

British DX Club

Asia-Pacific on Shortwave



Guide to shortwave broadcasts
in Asia and the Pacific

February 2022

featuring schedules for the B21 season

Asia-Pacific on Shortwave

Compiled and edited by Tony Rogers.

This is a guide to shortwave broadcasting in the Asia-Pacific region.

This guide was last revised on 1 February 2022

Please always check www.dxguides.info for a possible later edition of the version you are reading.

Descriptions used in this guide may have been taken from radio station websites and/or Wikipedia.

Special thanks to Jose Jacob (DX-India), Zenon Teles and Atsuhiko Takezawa for their continued support.

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Mediumwave lists

Please note that this guide covers shortwave only and does not include any information about mediumwave stations. For details of mediumwave stations in the Asia-Pacific region, please refer to the following sites (all highly recommended):

[Asiawaves](#) (edited by Alan Davies) featuring radio and TV broadcasting in Asia

[DX India](#) (edited by Jose Jacob) featuring detailed information about broadcasting stations in India

[Pacific Asia Listener \(PAL\) Guide](#) (edited by Bruce Portzer) listing MW stations in southern & eastern Asia and the Pacific

News and Observations

News and observations are updated throughout the month.

Australia [Radio Symban](#) heard on 2368.5 kHz at 1023 on 31 January 2022; heard with Greek vocal music, S5 into the Freeman's Reach Kiwi SDR. Local storm activity in the Sydney area this evening. (Brian Powell, Sydney, Australia, 31 January 2022, WOR iog)

[Radio 4KZ](#) heard on 5055 kHz from 0915 till cut off at 0957:05* on 3 January 2022; above average reception, easily able to ID most of the pop songs; Bee Gees "Words," Van Morrison - "Brown Eyed Girl," Beatles - "All You Need Is Love," Bertie Higgins - "Casablanca" [brief audio attached], Go West - "King Of Wishful Thinking," Tears For Fears - "Everybody Wants To Rule The World," etc.; some commercial announcements. Tomorrow should cut off at 0957:00*. (Ron Howard, Asilomar State Beach CA, 4 January 2022, WOR iog)

[Radio 4KZ](#) heard on 5055 kHz with cut off at 0955:10* on 25 January 2022. (Ron Howard, Asilomar State Beach CA, 27 January 2022, WOR iog)

[Radio 4KZ](#) heard on 5055 kHz with cut off at 0954* on 28 January 2022. (Ron Howard, Asilomar State Beach CA, 28 January 2022, WOR iog)

China A reminder that 1 February (Tuesday) is Chinese New Year (Year of the Tiger). Every year I monitor all the Chinese SW stations to hear if any of them have coverage of the Chinese New Year's Eve (Spring Festival) Gala, broadcast with the CCTV audio feed. Some stations carry full (non-stop) coverage, while others have only partial (occasional) coverage. The festivities start on 31 January (Monday) at 1200 UTC and continue for about four and a half hours. Normally Voice of Strait (both 4900 & 4940) will have coverage; also check for either CNR1 or CNR2 (China Business Radio) to have live coverage, as well as checking some of the regional Chinese stations; in past years have noted Qinghai ("Qinghai News Comprehensive Broadcasting") on 6145 kHz. with coverage. Is a good opportunity to find many Chinese stations running parallel programming. The gala consists of comedy performances, songs, dance, acrobatics, magic, Chinese opera and even foreign celebrities. (Ron Howard, Asilomar State Beach CA, 27 January 2022, WOR iog)

Papua New Guinea Checking for any activity on 3260 & 3325 (both NBC) and 7325 (WRL), but all found totally silent at 0940 UTC, 28 January 2022. (Ron Howard, Asilomar State Beach CA, 28 January 2022, WOR iog)

Solomon Islands [Solomon Islands Broadcasting Corporation](#) Facebook post from Johnson Honimae, 25 January 2022: "SIBC continues to experience technical problems with its SW transmitter 5020 and 9545. Our technicians are working with the Japanese manufacturers to try and rectify the problem. Please tune to AM and FM 96.3. Otherwise if you have access to the internet go to sibconline for the livestream and also SIBC on FB. Happy listening to SIBC, Voice of the Nation".

Afghanistan

Radio Voice of Shari'ah

Radio Afghanistan was renamed Radio Voice of Shari'ah in August 2021 when the Taliban took control of the national radio and TV building in Kabul. The shortwave transmitter at Pol-e-Charkhi in Kabul (100 kW on 6100 kHz) has been inactive since early 2020.

Please see the [Afghanistan DX Guide](#) for further schedules and a timeline of radio-related events since the mid-1970's

Australia

Australian Broadcasting Corporation

The Australian Broadcasting Corporation (ABC) is Australia's national broadcaster. The ABC now provides radio, television, online, and mobile services throughout metropolitan and regional Australia and overseas through ABC Australia and Radio Australia. However, all domestic and external broadcasting on shortwave has been discontinued

Domestic HF Licences

Changes were made to Australia's Broadcasting Act in December 2000 to permit Christian Voice International to begin using the Radio Australia shortwave transmitters in Darwin, and to allow HCJB Australia to build a new facility at Kununurra in Western Australia. If a broadcaster wants to target a domestic audience within Australia, all they need do is apply to the Australian Communications Authority for a Domestic HF Licence (DHFL). It costs a few hundred dollars and the lower range frequency allocations are specifically exempt from ITU Regulations. The frequencies available are anywhere in the range 2300-26100 for broadcasting 'within Australia and its territories' and the following frequency blocks are only available for the DHFL broadcasters: 2300-2495, 3200-3400, 3950-4000, 4750-4995 and 5005-5060 kHz. The power of these stations is typically 1 kW.

Symban World Radio

SWR is based in Sydney, New South Wales, and established in 1997 to serve the Greek community of the city. It operates on mediumwave 1692 kHz and FM, and irregularly on shortwave 2368.5 kHz.

Transmitter Site: Sydney (Leppington), New South Wales.

Time/Days	Language	kHz	kW	Az.
irregular	Greek	2368.5	0.5	ND

Unique Radio

Unique Radio was started on shortwave by its owner, Tim Gaynor in 2016. Tim has a background in community radio and his station provides a variety of programming not necessarily heard on mainstream media.

Transmitter Site: Manilla, New South Wales.

Time/UTC	Days	Language	kHz	kW	Az.
0300-0500	Fri/Sat	English	3210	1	ND
0800-1100	Fri	English	3210	1	ND
0900-1300	Sat/Sun	English	3210	1	ND
1500-1600	Sun	English	3210	1	ND
1600-1700	Sat	English	3210	1	ND

(times as per EiBi)

Radio 4KZ

Located in Innisfail since 1967, Radio 4KZ covers the tropical coast of Far North Queensland on 531 kHz and FM. Its shortwave transmitter was launched

on 20 December 2017 to serve the remote areas of north Queensland.

Transmitter Site: Innisfail, Queensland.

Time/UTC	Days	Language	kHz	kW	Az.
2000v-1000v	Daily	English	5055	1	ND

Bay Islands Radio

Bay Islands Radio broadcasts from a low-power shortwave transmitter at Macleay Island, Queensland, with an oldies music format.

Transmitter Site: Macleay Island, Queensland.

Time/UTC	Language	kHz	kW	Az.
to be confirmed	English	5045	0.15	ND



International broadcasting on shortwave

Reach Beyond Australia

Since 2003, Reach Beyond (formerly HCJB) has been transmitting from their broadcast facility in the Kimberley, in far north Western Australia, to the Asia Pacific region through shortwave radio, and currently broadcasts in 24 languages.

Transmitter site: Kununurra, Western Australia - 3 x 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area	Notes
0900-0915	Mon/Fri	Korean	9860	100	005	44,45	East Asia	
0900-0930	Sat/Sun/Tue-Thu	Korean	9860	100	005	44,45	East Asia	
0915-0930	Mon/Fri	English	9860	100	005	44,45	East Asia	
1100-1130	Sat/Sun	Japanese	11905	75	005	45	East Asia	
1126-1141	Daily	Rohingya	11865	100	335	49	South-East Asia	
1128-1143	Sat/Sun/Tue-Thu	Dzongkha	11825	100	310	41	South Asia	
1128-1158	Mon/Fri	Nepali	11825	100	310	41	South Asia	
1141-1156	Daily	Burmese	11865	100	335	49	South-East Asia	
1143-1158	Sat/Sun	Dzongkha	11825	100	310	41	South Asia	
1143-1158	Tue-Thu	Tsangla	11825	100	310	41	South Asia	
1200-1215	Mon-Fri	Kannada	11825	100	310	41	South Asia	
1200-1230	Sat	Tamil	11825	100	310	41	South Asia	produced by TWR
1200-1230	Wed/Sat/Sun	Matu	11945	100	335	49	South-East Asia	
1200-1230	Mon/Tue/Thu/Fri	Burmese	11945	100	335	49	South-East Asia	
1200-1300	Sun	English	11825	100	310	41	South Asia	
1200-1300	Daily	Hindi	11875	100	310	41	South Asia	
1215-1230	Tue/Thu/Fri	Hindi	11825	100	310	41	South Asia	
1215-1245	Mon/Wed	Hindi	11825	100	310	41	South Asia	
1230-1245	Tue/Thu/Sat	Hindi	11825	100	310	41	South Asia	
1230-1245	Fri	Punjabi	11825	100	310	41	South Asia	
1245-1300	Mon/Sat	Telugu	11825	100	310	41	South Asia	
1245-1300	Tue	Kurux	11825	100	310	41	South Asia	
1245-1300	Wed	Gujarati	11825	100	310	41	South Asia	
1245-1300	Thu	Bengali	11825	100	310	41	South Asia	
1245-1300	Fri	Marwari	11825	100	310	41	South Asia	
1300-1315	Daily	Tamil	11825	100	310	41	South Asia	
1300-1315	Mon	Punjabi	11875	100	310	41	South Asia	
1300-1315	Sat/Sun	Chattisgarhi	11875	100	310	41	South Asia	
1300-1315	Tue	Kurux	11875	100	310	41	South Asia	
1300-1315	Wed	Bhojpuri	11875	100	310	41	South Asia	
1300-1315	Thu	Himachali	11875	100	310	41	South Asia	
1300-1315	Fri	Marathi	11875	100	310	41	South Asia	
1315-1330	Mon/Wed/Fri	English	11825	100	310	41	South Asia	
1315-1330	Tue	Tamil	11825	100	310	41	South Asia	
1315-1330	Thu	Malayalam	11825	100	310	41	South Asia	
1315-1330	Sat	Urdu	11825	100	310	41	South Asia	
1315-1330	Sun	Nepali	11825	100	310	41	South Asia	
1315-1330	Mon	Tamil	11875	100	310	41	South Asia	
1315-1330	Tue	Telugu	11875	100	310	41	South Asia	
1315-1330	Wed	Hindi	11875	100	310	41	South Asia	
1315-1330	Thu	Marathi	11875	100	310	41	South Asia	
1315-1330	Fri	Bengali	11875	100	310	41	South Asia	
1315-1330	Sat	Punjabi	11875	100	310	41	South Asia	
1315-1330	Sun	Oriya	11875	100	310	41	South Asia	
1330-1345	Mon-Fri	Nepali	11875	100	310	41	South Asia	
1330-1345	Sat/Sun	Tibetan	11875	100	310	41	South Asia	
1330-1400	Daily	English	11945	100	335	41	South Asia	
1345-1400	Mon/Sat	Urdu	11875	100	310	41	South Asia	
1345-1400	Tue	Bhojpuri	11875	100	310	41	South Asia	
1345-1400	Wed	Punjabi	11875	100	310	41	South Asia	
1345-1400	Thu	Nepali	11875	100	310	41	South Asia	
1345-1400	Fri	Bengali	11875	100	310	41	South Asia	
1345-1400	Sun	Gujarati	11875	100	310	41	South Asia	
1430-1500	Daily	Burmese	11825	100	335	49	South-East Asia	
2230-2300	Daily	Japanese	15410	75	005	45	East Asia	

Hobart Radio International

Hobart Radio International (The Voice of Tasmania) is a shortwave community service relayed across the globe via shortwave and FM in New Zealand. They describe themselves as "the voice for Tasmania, and will always be developing and different. Crossing the borders since 2004, telling the unknown and investigating on what's important".

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Location</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0030-0100	Sat	English	7730	WRMI Okeechobee FL, USA	100	285	10-12	C/S America
0430-0500	Sun	English	9955	WRMI Okeechobee FL, USA	100	160	11-16	C/S Am./Carib.
0830-0900	Wed	English	5850	WRMI Okeechobee FL, USA	100	315	2,3	North America
			7730	WRMI Okeechobee FL, USA	100	285	10-12	C/S America
2230-2300	Sat	English	9955	WRMI Okeechobee FL, USA	100	160	11-16	C/S Am./Carib.
2330-0000	Sat	English	7780	WRMI Okeechobee FL, USA	100	044	9,17,18,27-28	Europe/N Am.
2330-0000	Sun	English	6160	WMBQ Monticello ME, USA	50	245	3-5,9-11	North america

Note: schedule for B21 to be confirmed.

Bangladesh

Bangladesh Betar - Home Service

The Bangladesh Betar Home Service has nationwide coverage on mediumwave, shortwave and FM. It appears to be only on air for a limited period of time on shortwave nowadays.

Transmitter Site: Savar, Dhaka District.

Target area: Bangladesh domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>Notes</i>
1100-1150	Daily	Bengali	4750	100	ND	time to be confirmed

International broadcasting on shortwave

Bangladesh Betar - External Service

Bangladesh Betar's External Service had a new Thomson 250 kW shortwave transmitter and rotatable antenna system installed at Khabirpur in 2012. However, since March 2019, the external service has not been heard on any of its usual shortwave frequencies from Khabirpur and has been using the domestic service facilities at Savar on 4750 kHz instead.

Transmitter Site: Savar, Dhaka District.

Target area: Foreign listeners in the areas surrounding Bangladesh (i.e. mainly South Asia)

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>Notes</i>
1230-1300	Daily	English	4750	100	ND	
1315-1345	Daily	Nepali	4750	100	ND	
1400-1430	Daily	Urdu	4750	100	ND	
1515-1545	Daily	Hindi	4750	100	ND	
1600-1630	Daily	Arabic	4750	100	ND	
1630-1730	Daily	Bengali	4750	100	ND	
1745-1900	Daily	English	4750	100	ND	starts with Voice of Islam programme
1915-2000	Daily	Bengali	4750	100	ND	



Bhutan

Bhutan Broadcasting Service

BBS is currently inactive on shortwave. It broadcast on 6035 kHz daily from 0555 to approximately 1900 local time (0000-1300v UTC) and appears to have been last reported in November 2020 by Ron Howard. Ron's report read: "BHUTAN. 6035, BBS. Had been checking here around 1115, which is normally a good time to catch their signal before cutting off about 1130*, but recently nothing was heard. Perhaps today's log explains why? Nov 23, tuned into 6035, at 1033, to hear an announcer clearly in English, but only bits and pieces made out; also playing some pop songs; suddenly cut off at 1044*. A new, early closing time? Needs more monitoring. (Ron Howard, Asilomar State Beach, California, 23 November 2020, WOR iog) ... but it appears not to have been reported since.

China

China Media Group

China Media Group, also known as Voice of China, is the predominant state media company for radio and television broadcasting in the People's Republic of China. It was founded on 21 March 2018 as a national holding firm for China Central Television, China National Radio, and China Radio International. China Media Group is under the control of the Publicity Department of the Chinese Communist Party.

China National Radio

CNR is the state-operated radio service of the Peoples Republic of China. It forms the national radio service of the state-owned China Media Group, continuing its mission to broadcast a variety of radio programmes to listeners all over China and around the world.

CNR-1 - Voice of China, News Radio

Voice of China is the flagship radio station of CNR, broadcasting mainly news and commentaries.

Target area: China - domestic audience.

Silent period: Tuesday 0600-0900.

<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Time/UTC</i>
4750	Hailar, Nei Menggu	10	192	33S	1955-1730
4800	Golmud, Qinghai	100	ND	43NW	2025-1805
5945	Beijing	100	222	43SE,44SW	2025-0100 and 1000-1805
6000	Beijing	100	ND	43NE,44NW	2025-0100 and 0800-1805
6080	Golmud, Qinghai	100	236	42S,43N	2025-0100 and 1200-1805
6125	Beijing	100	037	33S,44NE	2025-2300 and 1000-1805
6125	Shijiazhuang, Hebei	100	217	43SE,44SW	2025-0100 and 1000-1805
6175	Beijing	100	037	33S,44NE	2025-0000 and 0900-1805
7215	Shijiazhuang, Hebei	100	037	33S,44NE	2025-0000
7230	Xi'an, Shaanxi	150	ND	43E,44W	2025-1805
7275	Beijing	100	251	42S,43SW	2025-0030 and 1100-1805
7290	Beijing	100	222	43SE,44SW	2025-0000 and 0930-1805
7305	Shijiazhuang, Hebei	100	037	33S,44NE	2025-2200 and 0800-1805
7365	Shijiazhuang, Hebei	100	037	33S,44NE	1000-1805
9500	Shijiazhuang, Hebei	100	165	44S	2025-1805
9630	Golmud, Qinghai	100	236	42S,43N	0100-1200
9645	Beijing	100	ND	43NE,44NW	0100-0800
9675	Beijing	100	037	33S,44NE	2300-1000
9710	Shijiazhuang, Hebei	100	217	43SE,44SW	2025-2330 and 1100-1805
9810	Nanning, Guangxi	150	155	44S	2025-2300 and 1300-1805
9830	Beijing	100	175	44S	2025-0200 and 0730-1805
9845	Beijing	100	251	42S,43SW	2025-0100 and 1030-1805
9860	Beijing	100	285	42W,43NW	1100-1805
11710	Beijing	100	285	42W,43NW	2025-0130 and 0900-1805
11720	Shijiazhuang, Hebei	100	217	43SE,44SW	2330-1100
11750	Shijiazhuang, Hebei	100	037	33S,44NE	2200-0800
11760	Shijiazhuang, Hebei	100	165	44S	0000-1000
11925	Lingshi, Shanxi	100	286	42NW	2025-0200 and 1000-1805
11960	Beijing	100	037	33S,44NE	0000-0900
12045	Beijing	100	285	42W,43NW	0000-1100
13610	Nanning, Guangxi	150	155	44S	2300-1300
15370	Shijiazhuang, Hebei	100	217	43SE,44SW	0100-1100
15380	Beijing	100	251	42S,43SW	0030-1100
15480	Beijing	100	222	43SE,44SW	0100-1000
17550	Beijing	100	251	42S,43SW	0000-1030
17565	Beijing	100	175	44S	0200-0730
17580	Lingshi, Shanxi	100	286	42NW	0200-1000
17595	Shijiazhuang, Hebei	100	217	43SE,44SW	0100-1000
17605	Beijing	100	285	42W,43NW	0130-0900
17890	Beijing	100	222	43SE,44SW	0000-0930

As well as operating on its registered frequencies, CNR-1 is also often heard on those used by Radio Taiwan International, Voice of America, Radio Free Asia, Sound of Hope and Voice of Tibet, where its presence is to block or interfere with their broadcasts to Mainland China. Please see the entry below for "Target broadcasts to China" and under Taiwan for details of these transmissions.

CNR-2 - China Business Radio

A nationwide service of mainly business news and reports.

Target area: China - domestic audience.

Silent period: Wednesday 0600-0855.

<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Time/UTC</i>
3985	Golmud, Qinghai	100	ND	43NW	0855-1605
6000	Xi'an, Shaanxi	150	257	42S,43SW	2055-0000
6040	Beijing	150	180	44S	2055-0030
6065	Beijing	150	220	43SE	2055-2330 and 1200-1605
6090	Golmud, Qinghai	100	172	43SW	2055-0300 and 1000-1605
6155	Beijing	150	ND	43NE,44NW	2055-0100 and 1000-1605
6190	Golmud, Qinghai	100	ND	43NW	2055-0000
7220	Golmud, Qinghai	100	ND	43NW	0000-0900
7245	Beijing	150	ND	43NE,44NW	2055-0100 and 0900-1605
7255	Baoji, Shaanxi	100	135	44S	2055-0100
7265	Baoji, Shaanxi	100	135	44S	1230-1605

7315	Xi'an, Shaanxi	150	ND	43E,44W	2055-0100 and 0855-1605
7335	Baoji, Shaanxi	100	255	42SE,43SW	2055-0030 and 1000-1605
7370	Beijing	150	270	42NE,43NW	2055-0000 and 1100-1605
7375	Beijing	150	180	44S	1030-1605
7425	Xi'an, Shaanxi	150	257	42S,43SW	1100-1605
9515	Beijing	100	163	44S	2055-0000 and 0855-1605
9570	Golmud, Qinghai	100	172	43SW	0300-1000
9620	Beijing	150	ND	43NE,44NW	0100-0855
9620	Beijing	100	163	44S	0855-1605
9720	Baoji, Shaanxi	150	ND	43E,44W	0000-1000
9755	Baoji, Shaanxi	100	255	42SE,44SW	2055-0200 and 1000-1605
9775	Beijing	150	270	42NE,43NW	2055-0200 and 0855-1605
9810	Baoji, Shaanxi	100	135	44S	0100-1230
9820	Xi'an, Shaanxi	150	290	42N,43NW	2055-0100 and 0855-1605
11600	Xi'an, Shaanxi	150	257	42S,43SW	0000-1100
11610	Beijing	150	270	42NE,43NW	0000-1100
11660	Xi'an, Shaanxi	150	ND	43E,44W	0100-0855
11670	Beijing	150	220	43SE	2330-1200
11740	Lingshi, Shanxi	100	286	42NW	2055-0100 and 1100-1605
11800	Beijing	150	180	44S	0030-1030
11835	Xi'an, Shaanxi	150	257	42S,43SW	0000-1100
11915	Baoji, Shaanxi	100	255	42SE,44SW	0030-1000
11970	Xi'an, Shaanxi	150	290	42N,43NW	0100-0855
12080	Baoji, Shaanxi	100	255	42SE,44SW	0200-1000
15270	Beijing	150	270	42SE,43NW	0200-0855
15500	Beijing	100	175	44S	0100-1000
15540	Lingshi, Shanxi	100	286	42NW	0100-1100
17625	Beijing	100	163	44S	0000-0855

CNR-5 - Cross-Strait Radio

CNR-5 was reorganised in March 2021 as "Cross-Strait Radio" with new opening music, closing music. The slogan is "Across the Strait, One Family on both sides".

Target area: Taiwan, Southern China.

Silent period: Wednesday 0600-0900.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF
2055-0000	Daily	Chinese	5925	Beijing	100	163	44S
			7385	Beijing	100	163	44S
			9665	Beijing	100	163	44S
0000-0600	Daily	Chinese	9685	Beijing	100	163	44S
			11620	Beijing	100	163	44S
			11935	Beijing	100	163	44S
0600-0900	Daily	Chinese	9685	Beijing	100	163	44S
			11620	Beijing	100	163	44S
			11935	Beijing	100	163	44S
0900-1000	Daily	Chinese	7385	Beijing	100	163	44S
			9685	Beijing	100	163	44S
			11620	Beijing	100	163	44S
1000-1705	Daily	Chinese	5925	Beijing	100	163	44S
			7385	Beijing	100	163	44S
			9410	Beijing	100	163	44S

CNR-6 - Voice of Shenzhou

CNR-6 is the second Taiwan service, broadcasting in dialects including Amoy, Hakka and entertainment in Mandarin,

Target area: Taiwan, Southern China.

Silent period: Wednesday 0600-0900.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF
2155-2200	Daily	Chinese	6165	Beijing	100	163	44S
			9730	Beijing	100	163	44S
2200-0100	Daily	Amoy	6165	Beijing	100	163	44S
			9730	Beijing	100	163	44S
0100-0500	Daily	Amoy	11905	Beijing	100	163	44S
			15710	Beijing	100	163	44S
0500-0900	Daily	Hakka	11905	Beijing	100	163	44S
			15710	Beijing	100	163	44S
0900-1100	Daily	Hakka	6165	Beijing	100	163	44S
			9620	Beijing	100	163	44S
1100-1605	Daily	Chinese	6165	Beijing	100	163	44S
			9620	Beijing	100	163	44S

CNR-7 - Radio Voice of the the Greater Bay

CNR-7 is China's first national-level radio station oriented at its Greater Bay Area. Programmes are in Cantonese, Chinese, Teochewese, Hakka, Shanghainese and Amoy.

Target area: Southern Guangdong-Hong Kong-Macao Greater Bay Area

Silent period: Tuesday 0600-0900.

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	CIRAF
2055-0000	Daily	Cantonese, Chinese etc	7345	Beijing	100	175	44S
			9745	Kashi, Xinjiang	500	106	44S
0000-0100	Daily	Cantonese, Chinese etc	9745	Kashi, Xinjiang	500	106	44S
			15550	Beijing	100	175	44S
0100-1100	Daily	Cantonese, Chinese etc	13770	Kashi, Xinjiang	500	106	44S
			15550	Beijing	100	175	44S
1100-1805	Daily	Cantonese, Chinese etc	7345	Beijing	100	175	44S
			13770	Kashi, Xinjiang	500	106	44S

CNR-8 - Minorities Radio

CNR-8 is the minorities service of China National Radio in Korean and Mongolian.

Target area: Mongolian and Korean-speaking areas of China.

Silent period: Wednesday 0605-0855.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF
2055-2100	Daily	Chinese	9610	Beijing	100	286	42N
			11810	Beijing	100	015	33S,44N
2100-0600	Daily	Mongolian	9610	Beijing	100	286	42N
			11810	Beijing	100	015	33S,44N
0600-1100	Daily	Korean	5975	Beijing	100	063	42N,43NW
			9785	Beijing	100	063	33S,44NE
1100-1500	Daily	Korean	5975	Beijing	100	063	42N,43NW
			9785	Beijing	100	063	33S,44NE
1500-1505	Daily	Chinese	5975	Beijing	100	063	42N,43NW
			9785	Beijing	100	063	33S,44NE

CNR-11 - Tibetan Radio

CNR-11 is the Tibetan service of China National Radio.

Silent period: Wednesday 0600-0900.

Target area: Tibetan-speaking areas of China.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
2155-0000	Daily	Tibetan	6010	Baoji, Shaanxi	100	255	42,43
			7350	Baoji, Shaanxi	100	255	42SE,43SW
			9480	Baoji, Shaanxi	100	255	42SE,43SW
0000-0100	Daily	Tibetan	9480	Baoji, Shaanxi	100	255	42SE,43SW
			9530	Baoji, Shaanxi	100	255	42SE,43SW
			11685	Baoji, Shaanxi	100	255	42SE,43SW
0100-1100	Daily	Tibetan	9530	Baoji, Shaanxi	100	255	42SE,43SW
			11685	Baoji, Shaanxi	100	255	42SE,43SW
			15570	Baoji, Shaanxi	100	255	42SE,43SW
1100-1300	Daily	Tibetan	9480	Baoji, Shaanxi	100	255	42SE,43SW
			9530	Baoji, Shaanxi	100	255	42SE,43SW
			11685	Baoji, Shaanxi	100	255	42SE,43SW
1300-1605	Daily	Tibetan	6010	Baoji, Shaanxi	100	255	42,43
			7350	Baoji, Shaanxi	100	255	42SE,43SW
			9480	Baoji, Shaanxi	100	255	42SE,43SW

CNR-13 - Uighur Radio

CNR-13 is the Uighur service of China National Radio. It may also broadcast in Chinese at certain times.

Target area: Uighur-speaking areas of China.

Silent period: Tuesday 0600-0855.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
2355-0200	Daily	Uighur	9890	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
0200-0900	Daily	Uighur	13700	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
0900-1000	Daily	Chinese	13700	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
1000-1100	Daily	Uighur	13700	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
1100-1805	Daily	Uighur	9420	Lingshi, Shanxi	100	286	42NW
			9890	Lingshi, Shanxi	100	286	42NW

CNR-17 - Kazakh Radio

CNR-17 is the Kazakh service of China National Radio.

Target area: Kazakh-speaking areas of China.

Silent period: Tuesday 0600-0900.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2355-1200	Daily	Kazakh	11630	Lingshi, Shanxi	100	286	42NW
			12055	Lingshi, Shanxi	100	286	42NW
1200-1500	Daily	Kazakh	6180	Lingshi, Shanxi	100	286	42NW
			9630	Lingshi, Shanxi	100	286	42NW
1500-1805	Daily	Kazakh	6145	Lingshi, Shanxi	100	286	42NW
			9630	Lingshi, Shanxi	100	286	42NW

Provincial radio stations on shortwave

Gannan Radio & TV Station

Gannan Tibetan Autonomous Prefecture is an autonomous prefecture in Southern Gansu Province in Western China.

The largest ethnic group in Gannan is Tibetan, followed by the Han.

General Service

Transmitter site: Hezuo City, Gannan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2225-0120	Daily	Chinese	3990	15	ND	43NW
0345-0526	Daily	Chinese	3990	15	ND	43NW
1025-1345v	Daily	Chinese	3990	15	ND	43NW

Note: relays of CNR-1 observed at 2230+ and 1030-1200 on weekdays, possibly at other times as well; may include some Tibetan content at certain times; Gannan's other shortwave frequency of 5970 kHz has not been heard recently.

Guizhou Radio & TV Station

Guizhou is a landlocked province in the southwest region of China. Guizhou borders the autonomous region of Guangxi to the south, Yunnan to the west, Sichuan to the northwest, Chongqing to the north, and Hunan to the east.

Chinese General Service

Transmitter site: Guiyang, Guizhou.

Silent period: Tuesdays 0600-0900

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2150-1705	Daily	Chinese	7275	10	ND	43SE

Note: may relay CNR-1 at certain times.

Hulun Buir Radio & TV Station

Hulun Buir is a region that is governed as a prefecture-level city in northeastern Inner Mongolia. Hulun Buir borders Russia to the north and west, Mongolia to the south and west, Heilongjiang province to the east and Hinggan League to the direct south.

News Radio

Transmitter site: Hailar, Hulun Buir.

Silent period: Tuesdays 0210-0700

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2130-0700	Daily	Chinese	3900	10	242	33S
0900-1440v	Daily	Chinese	3900	10	242	33S

Note: relay of CNR-1 at 1400-1440v, possibly other times as well.

Mongolian News & General Channel

Transmitter site: Hailar, Hulun Buir.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2150-0230	Daily	Mongolian	6080	10	247	33S
0925-1430	Daily	Mongolian	6080	10	247	33S

Note: may relay CNR-8 at certain times

Hunan Radio & TV Station

Hunan is a landlocked province, part of the South Central China region. Located in the middle reaches of the Yangtze watershed, it borders the province-level divisions of Hubei to the north, Jiangxi to the east, Guangdong and Guangxi to the south, Guizhou to the west and Chongqing to the northwest.

News Radio

Transmitter site: Xiangtan, Hunan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2030-0100	Daily	Chinese	4990	2	ND	43SE
0300-0500	Daily	Chinese	4990	2	ND	43SE
0900-1700	Daily	Chinese	4990	2	ND	43SE

Note: may relay CNR-1 at certain times

Nei Menggu Radio & TV Station

Inner Mongolia or Nei Mongol, officially the Inner Mongolia Autonomous Region, is a landlocked autonomous region of the People's Republic of China. Its border includes most of the length of China's border with the country of Mongolia. Inner Mongolia also accounts for a small section of China's border with Russia (Zabaykalsky Krai).

Chinese News Service

Transmitter site: Hohhot, Nei Menggu.

Silent period: Tuesdays 0600-0950

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Note</i>
2150-1605	Daily	Chinese	7420	50	052/263	43NE	both 052 & 263 degrees registered for 7420 kHz
			9520	50	036	43NE	

Note: may relay CNR-1 at certain times

Mongolian News Service

Transmitter site: Hohhot, Nei Menggu.

Silent period: Tuesdays 0600-0950

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2150-1605	Daily	Mongolian	6040	50	263	43NW
			7270	50	052	43NE
			9750	50	036	43NE

Note: relays CNR-8 at 0300-0400, possibly at other times as well.

Ron Howard heard Nei Menggu on 7270 kHz at 1221 UTC on 5 June 2021. Very strong signal on primary frequency; generating very noticeable spurs on the low side 7262 (strongest spur!) // 7254 and the high side 7278 // 7286. (Ron Howard, Asilomar State Beach, California, WOR iog)

Qinghai Radio & TV Station

Qinghai is a landlocked province in the northwest of China. It borders Gansu on the northeast, Xinjiang on the northwest, Sichuan on the southeast and the Tibet Autonomous Region on the southwest. The Han are largest ethnic group in Qinghai, followed by Tibetan.

Chinese News General Service

Transmitter site: Xining, Qinghai.

Silent period: Tuesdays 0600-0900

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2140-1600	Daily	Chinese	6145	50	270	43N
			9780	50	270	43N

Note: may relay CNR-1 at certain times.

Tibetan Service

Transmitter site: Xining, Qinghai..

Silent period: Tuesdays 0600-0855

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2250-1600	Daily	Tibetan	5990	50	206	43N
			9850	50	206	43N

Note: may relay CNR-11 at certain times.

Sichuan Radio & TV Station

Sichuan is a landlocked province in Southwest China occupying most of the Sichuan Basin and the easternmost part of the Tibetan Plateau between the Jinsha River on the west, the Daba Mountains in the north, and the Yungui Plateau to the south.

Minorities Service - Voice of the Golden Bridge

Transmitter site: Chengdu, Sichuan.

<i>Time/UTC</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2155-0135	Daily	Tibetan/Yui/Chinese	6060	50	358	43S
			7225	50	ND	43S
1000-1515	Daily	Tibetan/Yui/Chinese	6060	50	358	43S
			7225	50	ND	43S



Xinjiang Radio & TV Station

Xinjiang, officially Xinjiang Uigur Autonomous Region, is an autonomous region of China, located in the northwest of the country close to Central Asia. Xinjiang borders the countries of Mongolia, Russia, Kazakhstan, Kyrgyzstan, Tajikistan, Afghanistan, Pakistan and India. The Aksai Chin region, administered by China, is claimed by India. Xinjiang also borders the Tibet Autonomous Region and the provinces of Gansu and Qinghai.

Chinese General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1100

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2310-0300	Daily	Chinese	3950	100	ND	42N
			5060	50	230	42N
			5960	100	ND	42N
			7310	50	230	42N
0300-1200	Daily	Chinese	7260	100	ND	42N
			5960	100	ND	42N
			9600	50	230	42N
			11770	50	230	42N
1200-1800	Daily	Chinese	3950	100	ND	42N
			5060	50	230	42N
			5960	100	ND	42N
			7310	50	230	42N

Note: changeover times may vary slightly; may relay CNR-1 at certain times.

Kazakh General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1100

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2340-0330	Daily	Kazakh	4850	100	ND	42N
			6015	100	ND	42N
0330-1155	Daily	Kazakh	7340	100	ND	42N
			9470	100	ND	42N
1155-1800	Daily	Kazakh	4850	100	ND	42N
			6015	100	ND	42N

Note: changeover times may vary slightly; may relay CNR-17 at certain times.

Kyrgyz General Service

Transmitter site: Urumqi, Xinjiang.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0310-0530	Daily	Kyrgyz	7295	50	230	42N
			9705	50	230	42N
1010-1230	Daily	Kyrgyz	7295	50	230	42N
			9705	50	230	42N

Note: includes "Voice of China" prgr at 1130-1230

Mongolian General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1050

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2310-0330	Daily	Mongolian	4500	50	ND	42N
			6190	50	ND	42N
0510-1000	Daily	Mongolian	7230	50	ND	42N
			9510	50	ND	42N
1210-1800	Daily	Mongolian	4500	50	ND	42N
			6190	50	ND	42N

Note: changeover times may vary slightly; may relay CNR-8 at certain times.

Uighur General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1100

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2310-0300	Daily	Uighur	3990	100	ND	42N
			4980	50	230	42N
			6120	100	ND	42N
			7205	50	230	42N
0300-1225	Daily	Uighur	7275	100	ND	42N
			9560	100	ND	42N
			11885	50	230	42N
			13670	50	230	42N

1225-1800	Daily	Uighur	3990	100	ND	42N
			4980	50	230	42N
			6120	100	ND	42N
			7205	50	230	42N

Note: changeover times may vary slightly; may relay CNR-13 at certain times.

Xizang Radio & TV Station - China Tibet Broadcasting station

The Tibet Autonomous Region or Xizang Autonomous Region, called Tibet or Xizang for short, is a province-level autonomous region of the People's Republic of China in Southwest China. It was overlayed on the traditional Tibetan regions of Ü-Tsang and Kham. The Tibet Autonomous Region is located on the Tibetan Plateau, the highest region on earth. Mount Everest is located on Tibet's border with Nepal. China's provincial-level areas of Xinjiang, Qinghai and Sichuan lie to the north, northeast and east, respectively. There is also a short border with Yunnan Province to the southeast. The countries to the south and southwest are Myanmar, India, Bhutan, and Nepal. The ethnic composition of Tibet is 90% Tibetan and 8% Han.

Chinese Service

Transmitter site: Lhasa, Xizang (Tibet).

Silent period: Tuesdays 0600-1000.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2000(2100 Tue)-0300	Daily	Chinese	4820	100	ND	42SE,43SW
			5935	100	085	43SW
			6050	100	290	42SW
			7240	100	290	42SW
			7450	100	085	43SW
0300-0900	Daily	Chinese	4820	100	ND	42SE,43SW
			5935	100	085	43SW
			6050	100	290	42SW
			11860	100	085	43SW
			11950	100	290	42SW
0900-1800	Daily	Chinese	4820	100	ND	42SE,43SW
			5935	100	085	43SW
			6050	100	290	42SW
			7240	100	290	42SW
			7450	100	085	43SW

Note: CNR-1 is relayed at 2230-2300, 0030-0100 and 1030-1100.

Tibetan Service

Transmitter site: Lhasa, Xizang (Tibet).

Silent period: Tuesdays 0700-1000.

The Tibetan Service breaks at 0700-0800 and 1600-1700 for Holy Tibet Radio in English (see below)

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2050-1805	Daily	Tibetan	4905	100	ND	42SE,43SW
			4920	100	ND	42SE,43SW
			6025	100	268	42SE
			6110	100	220	42SE
			6130	100	290	42SW
			6200	100	085	43SW

and additionally:

2050-0200	Daily	Tibetan	7255	100	085	43SW
			7385	100	290	42SW
0200-0930	Daily	Tibetan	9490	100	085	43SW
			9580	100	290	42SW
0930-1000	Daily	Tibetan	7385	100	290	42SW
			9490	100	085	43SW
1000-1805	Daily	Tibetan	7255	100	085	43SW
			7385	100	290	42SW

Note: CNR-8 is relayed at 2300-2357, 0400-0457 and 1300-1357.

Holy Tibet Radio

Transmitter site: Lhasa, Xizang (Tibet).

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
0700-0800	Daily	English	4905	100	ND	42SE,43SW
			4920	100	ND	42SE,43SW
			6025	100	268	42SE
			6110	100	220	42SE
			6130	100	290	42SW
			6200	100	085	43SW
			9490	100	085	43SW
			9580	100	290	42SW

1600-1700	Daily	English	4905	100	ND	42SE,43SW
			4920	100	ND	42SE,43SW
			6025	100	268	42SE
			6110	100	220	42SE
			6130	100	290	42SW
			6200	100	085	43SW
			7255	100	085	43SW
			7385	100	290	42SW

Yunnan Radio & TV Station

Yunnan is a landlocked province in the southwest of China. The province borders the Chinese provinces of Guizhou, Sichuan, autonomous regions of Guangxi, and Tibet as well as Southeast Asian countries: Vietnam, Laos, and Myanmar.

Yunnan Radio International

Transmitter site: Shaland, Kunming, Yunnan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2200-0000	Daily	Chinese	6035	50	225	43S,49N
0945-1000	Daily	Music	6035	50	225	43S,49N
1000-1030	Daily	Vietnamese	6035	50	225	43S,49N
1030-1300	Daily	Chinese	6035	50	225	43S,49N
1300-1330	Daily	Vietnamese	6035	50	225	43S,49N
1330-1400	Daily	Chinese	6035	50	225	43S,49N



Minorities Service

Transmitter site: Shaland, Kunming, Yunnan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2245-0300	Daily	Minorities	7210	50	225	43S,49N
0630-0830	Daily	Minorities	7210	50	225	43S,49N
1040-1500	Daily	Minorities	7210	50	225	43S,49N

Note: 2245-2300 and 1040-1100 is music played prior to the start of actual programmes.

DRM broadcasting in China

CNR-1 DRM Transmissions

B21 schedule of CNR "Voice of China" DRM test transmission is as follows.

Transmitting Power 30kW. "3FF", "3EA" etc. are the transmission identification codes.

<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Time/UTC</i>	<i>ID code</i>
6030	Beijing	30	ND	43NE,44NW	2025-1805	3FF
9655	Urumqi, Xinjiang	30	098	43NE,44NW	0800-1200 and 2200-0100	3EC
11695	Dongfang, Hainan	30	041	44S	0100-0900	3E8
11990	Qiqihar, Heilongjiang	30	225	43NE,44NW	0400-0900	1
13710	Qiqihar, Heilongjiang	30	203	44S	0900-1200	1
13825	Beijing	30	175	44S	0100-0900	3EA
13850	Qiqihar	30	225	43NE,44NW	0000-0400	1
15180	Kunming, Yunnan	30	032	43NE,44NW	0100-0400 and 0800-1100	2
17770	Dongfang, Hainan	30	016	43NW,44NE	0100-0900	3ED
17800	Kunming, Yunnan	30	032	43NE,44NW	0400-0800	2
17830	Urumqi, Xinjiang	30	098	43NE,44NW	0100-0800	3EC

Additional test transmission using the HFCC registered CRI frequencies of Kunming transmitter site. Power 150 kW, 135° (CIRAF 55,59,60) transmission identification code 3F9:

0100-0300 on 11995 & 12030 kHz

0300-0500 on 12030 & 13715 kHz

0400-0800 on 17800 kHz

0500-0700 on 15415 & 17815 kHz

0700-0900 on 13715 & 15415 kHz

(cahcn.github.io, 26 March 2021, via Takahito Akabayashi, Tokyo, Japan, WOR iog, with updates for B21 made by referring to current HFCC registrations)



International broadcasting on shortwave

China Radio International

China Radio International (CRI) is a state-owned international radio broadcaster of China. It is headquartered in the Babaoshan area of Beijing's Shijingshan District. It was founded on December 3, 1941, as Radio Peking. It later adopted the pinyin form Radio Beijing. It has 32 overseas correspondent bureaux and 6 main regional bureaux, and broadcasts over 2,700 hours of programming each day (24 hours in English), including news, current affairs, and features on politics, the economy, culture, science and technology. Its overseas reporting involves 65 languages. More than 50 shortwave transmitters are used to cover most of the world.

CRI notes:

- The Cërrik transmitting station in Albania is leased to CRI. However, since the A20 season no broadcasts have been heard despite frequencies having been registered with HFCC. These are excluded from this schedule.
- Transmissions in several languages now consist of music only - there is no actual programming. To identify these easily a content column has been added below (C.) with P indicating normal programmes and M for music only.
- "China Radio Plus", the global English service of China Radio International, renamed "CGTN Radio" on December 14, 2021. Also the slogan of the service "Connecting with China and the World" was replaced with "Hear the difference", which corresponds to CGTN's slogan "See the difference". Along with this, the percentage of "CGTN Radio" in the contents of 24H CRI English AM service in Beijing (846kHz, 10kW) has been increased. The original article is at <https://cahcn.github.io/posts/2021-12-17-CGTM-Radio.html>. By the way, CGTN is the abbreviation of "China Global TV Network", which was set up in December 31, 2016, for Chinese global TV propaganda. (Takahito Akabayashi, Tokyo, Japan, 27 December 2021 via World of Radio iog)

0000-0100	Daily	English	P	6075	Kashi	100	174	41	South Asia
				6180	Kashi	100	173	41	South Asia
				7350	Kashi	500	308	27-29	Europe
				7425	Kashi	100	174	41	South Asia
				9560	Beijing	150	095	44NE,45N	Far East
				11790	Xian	500	190	49E	South-East Asia
				11885	Xian	500	200	49,54W	South-East Asia
				15125	Beijing	500	215	49,54W	South-East Asia
0000-0100	Daily	Cantonese	M	11820	Xian	500	200	49,54W	South-East Asia
				17490	Beijing	500	193	49E,54	South-East Asia
0000-0100	Daily	Chinese	P	9620	Kunming	100	184	49	South-East Asia
				11780	Jinhua	500	059	44NE,45N	Far East
				11900	Beijing	150	095	44NE,45N	Far East
				11975	Kunming	500	177	49S,54W	South-East Asia
				12035	Xian	500	200	49,54W	South-East Asia
				13580	Beijing	500	215	49,54W	South-East Asia
				13655	Xian	500	073	44NE,45N	Far East
0000-0100	Daily	Hakka	M	9460	Kunming	150	163	49NE	South-East Asia
				9550	Kunming	150	191	49,54NW	South-East Asia
				9610	Kunming	100	225	49	South-East Asia
				9860	Jinhua	500	161	50	South-East Asia
0000-0100	Daily	Khmer	M	9765	Nanning	100	200	54E	South-East Asia
				11990	Nanning	100	200	54E	South-East Asia
0000-0100	Daily	Mongolian	P	7205	Beijing	500	318	32S,33SW	Central Asia
				9470	Xian	500	354	32S,33SW	Central Asia
0000-0100	Daily	Portuguese	M	6100	Beijing	500	318	12-14	South America
				9710	Kashi	500	269	13S,15W	South America
0000-0100	Daily	Russian	P	5990	Huhhot	100	345	31-33	Siberia
				7415	Huhhot	100	345	31-33	Siberia
0000-0100	Daily	Spanish	P	5990	La Habana	250	ND	10E,11W	Caribbean
				9590	Kashi	500	294	12-14	South America
				9800	Kashi	500	269	14,15W	South America
0000-0100	Daily	Vietnamese	P	11770	Beijing	500	193	49E	South-East Asia
				13770	Xian	500	190	49E	South-East Asia
0100-0200	Daily	English	P	6075	Kashi	100	174	41	South Asia
				6180	La Habana	250	108	ND	Caribbean
				6180	Kashi	100	173	41	South Asia
				7350	Kashi	500	308	27-29	Europe
				7370	Kashi	100	174	41	South Asia
				9675	Kashi	500	308	27-29	Europe
				11885	Xian	500	200	49,54W	South-East Asia
				15125	Beijing	500	215	49,54W	South-East Asia

0100-0200	Daily	Amoy	M	9460	Kunming	150	163	49E,54	South-East Asia
				9550	Kunming	150	191	49,54NW	South-East Asia
				9610	Kunming	100	225	49	South-East Asia
				9860	Jinhua	500	161	50	South-East Asia
				11945	Kunming	150	177	49,54W	South-East Asia
				11980	Kunming	100	184	49,54	South-East Asia
				15425	Xian	500	190	49,54	South-East Asia
				17490	Beijing	500	193	49E,54	South-East Asia
0100-0200	Daily	Chinese	P	7250	Urumqi	500	212	41	South Asia
				7300	Kashi	100	173	41	South Asia
				9655	Nanning	100	200	49SE	South-East Asia
				11640	Xian	500	200	49,54W	South-East Asia
				11770	Nanning	100	200	49SE	South-East Asia
				13580	Beijing	500	215	49,54W	South-East Asia
				13655	Xian	500	073	44NE,45N	Far East
				15160	Jinhua	500	059	44NE,45N	Far East
0100-0200	Daily	Russian	P	5905	Kashi	100	000	30SE,31SW	Central Asia
				9440	Xian	500	292	29S,30S	Caucasus
0100-0200	Daily	Spanish	P	9590	Kashi	500	269	12-14	South America
				9710	Kashi	500	294	12-14	South America
0100-0200	Daily	Urdu	P	6020	Kashi	100	209	41NW	South Asia
				7240	Kashi	100	209	41NW	South Asia
0130-0230	Daily	Nepali	P	11860	Kunming	500	283	42S	South Asia
				13780	Kunming	500	283	42S	South Asia
0200-0230	Daily	Pashto	P	6065	Kashi	100	239	40E	West Asia
				7350	Kashi	100	239	40E	West Asia
				11740	Xian	500	292	29S,30S	West Asia
0200-0300	Daily	English	P	9610	Kashi	100	174	41	South Asia
				11770	Kashi	100	174	41	South Asia
0200-0300	Daily	Amoy	M	15425	Xian	500	190	49,54	South-East Asia
				17490	Beijing	500	193	49E,54	South-East Asia
0200-0300	Daily	Bengali	M	9655	Kunming	150	270	41NE	South Asia
				11640	Kunming	150	270	41NE	South Asia
0200-0300	Daily	Chinese	P	6180	La Habana	250	010	8	North America
				7330	Kashi	500	269	13S,14,15W	South America
				9825	Urumqi	500	212	41	South Asia
				11780	Beijing	500	322	13	South America
				13655	Xian	500	073	44NE,45N	Far East
				15160	Jinhua	500	059	44NE,45N	Far East
				5915	Kashi	100	000	30SE,31SW	Central Asia
0200-0300	Daily	Russian	P	11980	Xian	500	292	29S,30S	Caucasus
				9590	Kashi	500	269	12-14	South America
0200-0300	Daily	Spanish	P	9710	Kashi	500	294	12-14	South America
				9800	Kashi	100	173	41S	South Asia
0200-0300	Daily	Tamil	P	11870	Kashi	100	173	41S	South Asia
				6020	Kashi	100	209	41NW	South Asia
0200-0300	Daily	Urdu	P	7290	Kashi	100	209	41NW	South Asia
				11730	Kunming	500	283	42S	South Asia
0230-0330	Daily	Nepali	P	13780	Kunming	500	283	42S	South Asia
				5910	La Habana	250	305	6,7SW	Western North America
0300-0400	Daily	English	P	11770	Kashi	100	174	41	South Asia
				13570	Xian	500	354	32,33W	North Asia
				13590	Beijing	150	095	44NE,45N	Far East
				13800	Kashi	100	174	41	South Asia
				15120	Beijing	500	322	31,32	North Asia
				9450	Kashi	100	209	41NW	South Asia
				13655	Xian	500	073	44NE,45N	Far East
0300-0400	Daily	Chinese	P	15130	Beijing	150	095	44NE,45N	Far East
				15160	Jinhua	500	059	44NE,45N	Far East
				17540	Beijing	500	257	41	South Asia
				9695	Kashi	100	209	41NW	South Asia
0300-0400	Daily	Hindi	P	9870	Kashi	100	174	41	South Asia
				11640	Kashi	100	209	41NW	South Asia
				11700	Kashi	100	173	41	South Asia
				13600	Kunming	150	234	41S	South Asia
0300-0400	Daily	Tamil	P	13730	Kashi	100	173	41S	South Asia

0300-0400	Daily	Russian	P	7325	Kashi	100	000	30SE,31SW	Central Asia
				11710	Urumqi	500	270	30S	Central Asia
				15435	Xian	500	292	29S,30S	Caucasus
				17710	Jinhua	500	310	29,30	Eastern Europe
0400-0500	Daily	English	P	13570	Xian	500	354	32,33W	North Asia
				13590	Beijing	150	095	44NE,45N	Far East
				15120	Beijing	500	322	31,32	North Asia
				17730	Xian	500	292	29S,30S	Central Asia
0400-0500	Daily	Cantonese	M	17855	Beijing	500	288	29S,30S,31S	Central Asia
				5910	La Habana	250	305	6,7SW	Western North America
				13655	Xian	500	073	44NE,45N	Far East
				15160	Jinhua	500	059	44NE,45N	Far East
0400-0500	Daily	Chinese	P	13640	Kashi	100	209	41NW	South Asia
				15130	Beijing	150	095	44NE,45N	Far East
				15170	Kashi	100	174	41	South Asia
				13740	Kashi	100	173	41	South Asia
0400-0500	Daily	Hakka	M	15350	Kashi	100	174	41	South Asia
				17510	Xian	500	200	49,54W	South-East Asia
				17710	Beijing	500	193	49E,54	South-East Asia
				7325	Kashi	100	000	30SE,31SW	Central Asia
0400-0500	Daily	Russia	P	15445	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
				17640	Xian	500	292	29S,30S	Caucasus
				11650	Kunming	100	184	49E	South-East Asia
0400-0500	Daily	Vietnamese	P	17740	Xian	500	190	49E	South-East Asia
				11895	Kashi	100	209	41NW	South Asia
				15350	Kashi	100	174	41	South Asia
				15430	Kashi	100	173	41	South Asia
0500-0600	Daily	English	P	15465	Kashi	100	209	41NW	South Asia
				17510	Kashi	500	269	37-40,47E,48NW	North Africa, Middle East
				17730	Xian	500	292	29S,30S	Central Asia
				17855	Beijing	500	288	29S,30S,31S	Central Asia
0500-0600	Daily	Arabic	P	17485	Kashi	500	269	37E,38-40,47E,48NW	Arab World
0500-0600	Daily	Cantonese	M	13655	Xian	500	073	44NE,45N	Far East
				15160	Jinhua	500	059	44NE,45N	Far East
				13570	Xian	500	354	32,33W	North Asia
				15110	Kashi	100	174	41	South Asia
0500-0600	Daily	Chinese	P	15120	Beijing	500	322	31,32	North Asia
				15130	Beijing	150	095	44NE,45N	Far East
				15445	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
0500-0600	Daily	Russian	P	11650	Kunming	100	184	49E	South-East Asia
				17740	Xian	500	190	49E	South-East Asia
				11870	Kashi	100	239	39S,40S	West Asia
				11895	Kashi	100	209	41NW	South Asia
0600-0700	Daily	English	P	11925	Nanning	100	142	44S,50	South-East Asia
				13645	Xian	500	200	49,54W	South-East Asia
				15145	Kashi	100	239	39S,40S	West Asia
				15350	Kashi	100	174	41	South Asia
0600-0700	Daily	Arabic	P	15430	Kashi	100	173	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17510	Kashi	500	269	37-40,47E,48NW	N Africa, M East
				17710	Beijing	500	193	49E,54	South-East Asia
0600-0700	Daily	Arabic	P	17485	Kashi	500	269	37E,38-40,47E,48NW	Arab World
0600-0700	Daily	Chinese	P	11710	Nanning	100	200	49SE	South-East Asia
				13570	Xian	500	354	32,33W	North Asia
				13655	Xian	500	073	44NE,45N	Far East
				13720	Kashi	500	308	27-29	Europe
0600-0700	Daily	German	M	13750	Kunming	500	177	49S,54W	South-East Asia
				15120	Beijing	500	322	31,32	North Asia
				15160	Jinhua	500	059	44NE,45N	Far East
				17740	Xian	500	190	49,54	South-East Asia
0600-0700	Daily	French	P	17615	Urumqi	500	308	28NW	Europe
				17720	Kashi	500	308	28NW	Europe
				15220	Kashi	500	308	27SE	Europe
				15620	Kashi	500	294	28SW	Europe

0600-0700	Daily	Spanish	P	15135	Kashi	500	294	37NW	Europe
0700-0800	Daily	English	P	11895	Kashi	100	209	41NW	South Asia
				13660	Xian	500	200	49,54W	South-East Asia
				15185	Kashi	100	173	41	South Asia
				15350	Kashi	100	174	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17490	Kashi	500	308	27-29	Europe
				17670	Kashi	500	269	37-40,47E,48NW	N Africa, M East
				17710	Beijing	500	193	49E,54	South-East Asia
0700-0800	Daily	Amoy	M	15145	Xian	500	200	49,54W	South-East Asia
				17750	Xian	500	200	49,54W	South-East Asia
0700-0800	Daily	Cantonese	M	11640	Jinhua	500	059	44NE,45N	Far East
0700-0800	Daily	German	M	17615	Urumqi	500	308	28NW	Europe
				17720	Kashi	500	308	28NW	Europe
0700-0800	Daily	Chinese	P	11710	Nanning	100	200	49SE	South-East Asia
				11875	Nanning	100	200	49SE	South-East Asia
				13750	Kunming	500	177	49S,54W	South-East Asia
				17520	Kashi	100	174	41	South Asia
				17650	Kashi	500	308	27-29	Europe
				17740	Xian	500	190	49,54	South-East Asia
0700-0800	Daily	French	P	15220	Kashi	500	308	27SE	Europe
0700-0800	Daily	Spanish	P	15135	Kashi	500	294	37NW	Europe
0800-0900	Daily	English	P	9415	Xian	500	073	44NE,45N	Far East
				11895	Kashi	100	209	41NW	South Asia
				15185	Kashi	100	173	41	South Asia
				15350	Kashi	100	174	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17490	Kashi	500	308	27-29	Europe
				17670	Kashi	500	269	37-40,47E,48NW	N Africa, M East
0800-0900	Daily	Chinese	P	9880	Beijing	150	095	44NE,45N	Far East
				11640	Jinhua	500	059	44NE,45N	Far East
				13610	Xian	500	073	44NE,45N	Far East
				13650	Xian	500	292	29S,30S	Central Asia
				15550	Kashi	100	174	41	South Asia
				15560	Xian	500	292	29S,30S	Central Asia
				17650	Kashi	500	308	27-29	Europe
0800-0900	Daily	Russian	P	15335	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
0830-0930	Daily	Indonesian	P	15135	Kunming	500	177	54	South-East Asia
				17735	Kunming	100	175	54	South-East Asia
0900-1000	Daily	English	P	9415	Xian	500	073	44NE,45N	Far East
				15185	Kashi	100	173	41	South Asia
				15210	Kunming	500	135	55,59,60	Australasia
				15350	Kashi	100	174	41	South Asia
				17490	Kashi	500	308	27-29	Europe
				17570	Urumqi	500	308	28N	Europe
				17650	Kashi	500	308	27-29	Europe
				17690	Jinhua	500	150	55,59,60	Australasia
0900-1000	Daily	Chinese	P	5965	Beijing	150	095	44NE,45N	Far East
				7430	Jinhua	500	059	44NE,45N	Far East
				9440	Xian	500	073	44NE,45N	Far East
				9460	Nanning	100	200	49SE	South-East Asia
				9880	Nanning	100	142	44S,50	South-East Asia
				11895	Nanning	100	200	49SE	South-East Asia
				11980	Kunming	100	184	49,54	South-East Asia
				13650	Xian	500	292	29S,30S	Central Asia
				13780	Kashi	100	174	41	South Asia
				13850	Beijing	500	193	49E,54	South-East Asia
				15250	Kunming	100	122	50	South-East Asia
				15340	Xian	500	190	49,54	South-East Asia
				15525	Urumqi	500	212	41	South Asia
				15560	Xian	500	292	29S,30S	Central Asia
0900-1000	Daily	Romanian	M	15260	Kashi	500	294	28E	Europe
0900-1000	Daily	Russian	P	15335	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe

0930-1030	Daily	Malay	P	15135	Kunming	500	177	54N	South-East Asia
				17680	Kunming	100	175	54N	South-East Asia
1000-1100	Daily	English	P	5955	Xian	500	073	44NE,45N	Far East
				7215	Xian	500	354	32,33W	North Asia
				11635	Beijing	500	318	31,32	Central Asia
				13590	Beijing	500	193	49E,54	South-East Asia
				13720	Xian	500	200	49,54W	South-East Asia
				15190	Kashi	100	173	41	South Asia
				15210	Kunming	500	135	55,59,60	Australasia
				15350	Kashi	100	174	41	South Asia
				17490	Kashi	500	308	27-29	Europe
				17690	Jinhua	500	150	55,59,60	Australasia
1000-1100	Daily	Cantonese	M	15440	Kunming	500	135	55,59,60	Australasia
				17670	Kunming	500	135	55,56,58-60	Australasia
1000-1100	Daily	Chinese	P	5965	Beijing	150	095	44NE,45N	Far East
				7255	Xian	500	354	32,33W	North Asia
				9460	Nanning	100	200	49SE	South-East Asia
				9880	Beijing	500	322	31,32	Central Asia
				11980	Kunming	100	184	49,54	South-East Asia
				13780	Kashi	100	174	41	South Asia
				13850	Beijing	500	193	49E,54	South-East Asia
				15250	Kunming	100	122	50	South-East Asia
				15340	Xian	500	190	49,54	South-East Asia
				15525	Urumqi	500	212	41	South Asia
				17650	Kashi	500	308	27-29	Europe
1000-1100	Daily	Hungarian	P	15220	Kashi	500	298	28N	Europe
				17570	Kashi	500	298	28N	Europe
1000-1100	Daily	Japanese	P	7325	Jinhua	500	059	44NE,45N	Far East
				9440	Xian	500	073	44NE,45N	Far East
1000-1100	Daily	Russian	P	5915	Huhhot	100	345	31,32,33	Siberia
				7290	Shijiazhuang	500	037	33,34	Far East
				7390	Huhhot	100	345	31-33	Siberia
1030-1130	Daily	Indonesia	P	11700	Kunming	500	177	54	South-East Asia
				15135	Kunming	100	175	54	South-East Asia
1030-1130	Daily	Khmer	M	15160	Nanning	100	200	49SE	South-East Asia
				17680	Kunming	150	177	49SE	South-East Asia
1100-1200	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				7250	Kashi	100	209	41NW	South Asia
				9730	Beijing	500	193	49E,54	South-East Asia
				11650	Urumqi	500	212	41	South Asia
				11795	Kashi	100	174	41	South Asia
				12015	Kashi	100	173	41	South Asia
				13720	Xian	500	200	49,54W	South-East Asia
				17490	Kashi	500	308	27-29	Europe
1100-1200	Daily	Amoy	M	9440	Kunming	150	163	49E,54	South-East Asia
				11875	Kunming	500	177	49,54W	South-East Asia
1100-1200	Daily	Bulgarian	M	15180	Kashi	500	294	28SE	Europe
1100-1200	Daily	Burmese	P	9880	Kunming	100	225	49W	South-East Asia
1100-1200	Daily	Cantonese	M	7370	Nanning	100	200	49SE	South-East Asia
				9540	Beijing	500	142	55,59,60	Australasia
				9590	Kunming	150	191	49E,54	South-East Asia
				9645	Beijing	500	215	49,54W	South-East Asia
				13580	Kunming	500	135	55,59,60	Australasia
1100-1200	Daily	Chinese	P	7435	Beijing	150	095	44NE,45N	Far East
				9515	Kashi	100	209	41NW	South Asia
				11750	Beijing	500	142	55,59,60	Australasia
				11980	Kashi	100	174	41	South Asia
				15440	Kunming	500	135	55,59,60	Australasia
				17650	Kashi	500	308	27-29	Europe
1100-1200	Daily	Czech	M	15225	Kashi	500	298	28N	Europe
				17570	Kashi	500	298	28NE	Europe
1100-1200	Daily	Esperanto	P	7210	Urumqi	100	080	44NE,45N	Far East
				9450	Urumqi	100	080	44NE,45N	Far East
1100-1200	Daily	Japanese	P	7260	Xian	500	073	44NE,45N	Far East
				7325	Jinhua	500	059	44NE,45N	Far East
1100-1200	Daily	Korean	P	5965	Xian	500	073	44NE,45N	Far East

1100-1200	Daily	Mongolian	P	6100	Urumqi	100	090	32S,33SW	Central Asia
				7390	Huhhot	100	345	31-33	Central Asia
1100-1200	Daily	Russian	P	5915	Huhhot	100	345	31-33	Siberia
				6080	Beijing	500	318	31S,32S	Siberia
				7290	Shijiazhuang	500	037	33,34	Far East
1100-1200	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				11785	Baoji	150	195	49E	South-East Asia
				11990	Xian	500	190	49,54	South-East Asia
1130-1200	Daily	Tagalog	M	5985	Beijing	500	165	50	South-East Asia
				7410	Jinhua	500	172	50	South-East Asia
				7410	Nanning	100	130	50	South-East Asia
				11955	Kunming	100	122	50	South-East Asia
				12070	Xian	500	145	50	South-East Asia
				12070	Nanning	100	130	50	South-East Asia
1130-1230	Daily	Thai	P	7360	Kunming	100	184	49	South-East Asia
				9785	Kunming	150	191	49	South-East Asia
1200-1230	Daily	Cantonese	M	9570	La Habana	250	010	8	Eastern North America
1200-1230	Daily	Tagalog	M	9720	Nanning	100	130	50	South-East Asia
				9720	Xian	500	145	50	South-East Asia
				11955	Kunming	100	122	50	South-East Asia
1200-1300	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				7250	Kashi	100	209	41NW	South Asia
				9460	Kashi	100	174	41	South Asia
				9600	Kunming	150	163	49E,54	South-East Asia
				9645	Beijing	500	215	49,54W	South-East Asia
				9730	Kunming	100	225	49	South-East Asia
				9760	Kunming	500	135	55,59,60	Australasia
				11650	Urumqi	500	212	41	South Asia
				11690	Xian	500	292	29S,30S	Central Asia
				11760	Kunming	500	135	55,59,60	Australasia
				11980	Kunming	150	177	49,54W	South-East Asia
				12015	Kashi	100	173	41	South Asia
				13790	Urumqi	500	308	27-29	Europe
				17490	Kashi	500	308	27-29	Europe
1200-1300	Daily	Amoy	M	11910	Beijing	500	165	50	South-East Asia
1200-1300	Daily	Chinese	P	7205	Kashi	100	209	41NW	South Asia
				7390	Beijing	150	095	44NE,45N	Far East
				7440	Nanning	100	200	49E,54W	South-East Asia
				9520	Urumqi	500	270	39S,40N	West Asia
				9540	Kunming	500	283	42S	Central Asia
				9655	Kashi	100	174	41	South Asia
				9855	Beijing	500	215	49,54W	South-East Asia
				13720	Kashi	500	308	27-29	Europe
1200-1300	Daily	French	P	13570	Kashi	500	308	27SE	Europe
1200-1300	Daily	Japanese	P	7260	Xian	500	073	44NE,45N	Far East
				7325	Jinhua	500	059	44NE,45N	Far East
1200-1300	Daily	Khmer	M	9440	Kunming	150	163	49E,54	South-East Asia
				11680	Nanning	100	200	49SE	South-East Asia
1200-1300	Daily	Korean	P	5965	Xian	500	073	44NE,45N	Far East
1200-1300	Daily	Mongolian	P	5915	Huhhot	100	345	31-33	Central Asia
				5990	Huhhot	100	345	31-33	Central Asia
1200-1300	Daily	Russian	P	5905	Kashi	100	000	30SE,31SW	Central Asia
				6100	Beijing	500	055	33SE,34	Siberia
				7215	Xian	500	292	29S,30S	Caucasus
				7410	Shijiazhuang	500	037	33,34	Far East
				9590	Shijiazhuang	500	315	33E,34	Far East
				9685	Urumqi	500	308	29,30	Eastern Europe
1200-1300	Daily	Serbian	M	15180	Kashi	500	294	28S	Europe
1200-1300	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				9620	Beijing	500	193	49E	South-East Asia
				11640	Xian	500	190	54NW	South-East Asia
				11720	Baoji	150	195	49E	South-East Asia
1200-1400	Daily	News Radio	P	11790	Kashi	100	239	37-40	Middle East
		Chinese		13810	Kashi	100	239	37-40	Middle East
1230-1330	Daily	Lao	P	7360	Kunming	100	184	49	South-East Asia
				9785	Kunming	150	191	49	South-East Asia

1230-1330	Daily	Malay	P	11700	Kunming	100	175	54N	South-East Asia
				11955	Kunming	500	177	54N	South-East Asia
1300-1400	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				7300	Kashi	100	209	41NW	South Asia
				9655	Kashi	100	174	41	South Asia
				9730	Nanning	100	142	44S,50	South-East Asia
				9730	Beijing	500	193	49E,54	South-East Asia
				9765	Baoji	150	288	29S,30S	Central Asia
				9870	Xian	500	200	49,54W	South-East Asia
				11640	Kashi	500	308	27-29	Europe
				11760	Kunming	500	135	55,59,60	Australasia
				11900	Kunming	500	135	55,59,60	Australasia
				11910	Beijing	500	165	50	South-East Asia
				11980	Kunming	150	177	49,54W	South-East Asia
				13790	Urumqi	500	308	27-29	Europe
1300-1400	Daily	Bengali	M	9490	Kunming	150	270	41NE	South Asia
				9600	Baoji	150	255	41NE	South Asia
				11610	Kunming	150	270	41NE	South Asia
1300-1400	Daily	Burmese	P	7385	Kunming	100	225	49W	South-East Asia
				9880	Kunming	100	225	49W	South-East Asia
1300-1400	Daily	Chinese	P	7205	Beijing	150	095	44NE,45N	Far East
				7215	Xian	500	190	54NW	South-East Asia
				7440	Nanning	100	200	49E,54W	South-East Asia
				9520	Urumqi	500	270	39S,40N	West Asia
				9540	Kunming	500	283	42S	Central Asia
				9855	Beijing	500	215	49,54W	South-East Asia
				13855	Kashi	500	308	27-29	Europe
1300-1400	Daily	Esperanto	P	9440	Nanning	100	200	49SE	South-East Asia
				9695	Beijing	500	215	49,54W	South-East Asia
1300-1400	Daily	French	P	13570	Kashi	500	308	27SE	Europe
				13720	Kashi	500	308	27SE	Europe
1300-1400	Daily	Hindi	P	7265	Urumqi	500	212	41	South Asia
				9450	Kashi	100	174	41	South Asia
1300-1400	Daily	Japanese	P	7325	Xian	500	073	44NE,45N	Far East
				7410	Jinhua	500	059	44NE,45N	Far East
1300-1400	Daily	Korean	P	5965	Xian	500	073	44NE,45N	Far East
1300-1400	Daily	Mongolian	P	6100	Urumqi	100	090	32S,33SW	Central Asia
				7285	Beijing	500	318	32S,33SW	Central Asia
1300-1400	Daily	Russian	P	5905	Kashi	100	000	30SE,31SW	Central Asia
				5915	Huhhot	100	345	31-33	Siberia
				5990	Huhhot	100	345	31-33	Siberia
				7255	Shijiazhuang	500	037	33,34	Far East
				9665	Xian	500	292	29S,30S	Caucasus
1300-1400	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				9685	Xian	500	190	49E	South-East Asia
<u>1310</u> -1400	Daily	French	P	13685	Bamako	100	111	53	Central Africa, Madagascar
				17880	Bamako	100	111	53	Central Africa, Madagascar
1330-1430	Daily	Thai	P	7360	Kunming	100	184	49	South-East Asia
				9785	Kunming	150	191	49	South-East Asia
1330-1430	Daily	Indonesian	P	11805	Kunming	100	175	54	South-East Asia
				11955	Kunming	500	177	54	South-East Asia
1400-1500	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				6100	Urumqi	500	270	39S,40N	West Asia
				6135	Xian	500	200	49,54W	South-East Asia
				7300	Urumqi	500	212	41	South Asia
				9460	Urumqi	500	212	41	South Asia
				9765	Baoji	150	288	29S,30S	Caucasus
				9795	Urumqi	500	308	27-29	Europe
				11880	Kashi	500	308	27-29	Europe
				13685	Bamako	100	111	53	East Africa
				17630	Bamako	100	085	47E,48	North-East Africa
1400-1500	Daily	Amoy	M	9655	Kunming	100	225	49	South-East Asia
				11650	Kunming	150	177	49,54W	South-East Asia
1400-1500	Daily	Bengali	M	9490	Kunming	150	270	41NE	South Asia
				11610	Kunming	150	270	41NE	South Asia
1400-1500	Daily	Burmese	P	7445	Kunming	100	225	49W	South-East Asia

1400-1500	Daily	Chinese	P	6040	Xian	500	190	54	South-East Asia
				7210	Beijing	150	095	44NE,45N	Far East
				7235	Kashi	100	173	41	South Asia
				7410	Beijing	500	215	49,54W	South-East Asia
				9520	Urumqi	500	270	39S,40N	West Asia
				9590	Kashi	500	308	27-29	Europe
				9730	Kashi	100	174	41NW	South Asia
				11785	Kashi	500	308	27-29	Europe
1400-1500	Daily	Japanese	P	7355	Xian	500	073	44NE,45N	Far East
				7410	Jinhua	500	059	44NE,45N	Far East
1400-1500	Daily	Khmer	M	6055	Nanning	100	200	49SE	South-East Asia
				9880	Nanning	100	200	49SE	South-East Asia
1400-1500	Daily	Korean	P	5965	Xian	500	073	44NE,45NW	Far East
1400-1500	Daily	Mongolian	P	5915	Huhhot	100	345	31-33	Central Asia
				5990	Huhhot	100	345	31-33	Central Asia
				7220	Xian	500	252	42S	South Asia
1400-1500	Daily	Russian	P	7435	Kunming	500	283	42S	South Asia
				5905	Kashi	100	000	30SE,31SW	Central Asia
				7330	Xian	500	292	29S,30S	Caucasus
1400-1500	Daily	Sinhala	P	7435	Shijiazhuang	500	37	33,34	Far East
				7265	Kashi	100	174	41SE	South Asia
				9665	Jinhua	500	258	41SE	South Asia
1400-1500	Daily	Tamil	P	5965	Kashi	100	173	41S	South Asia
				9610	Kashi	100	174	41	South Asia
1400-1500	Daily	Urdu	P	1422	Kashi	600			South Asia
				6075	Kashi	100	209	41NW	South Asia
				7285	Kunming	500	300	40NW	South Asia
1400-1500	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				9685	Baoji	150	195	49E	South-East Asia
1430-1530	Daily	Lao	P	7360	Kunming	100	184	49	South-East Asia
				9675	Kunming	150	191	49	South-East Asia
1430-1500	Daily	Tagalog	M	7325	Nanning	100	130	50	South-East Asia
				7325	Beijing	500	165	50	South-East Asia
				11640	Nanning	100	130	50	South-East Asia
				11640	Beijing	500	165	50	South-East Asia
1500-1530	Daily	Pashto	P	7435	Kunming	500	300	40	West Asia
				9665	Kashi	100	239	40E	West Asia
1500-1530	Daily	Persian	P	6165	Urumqi	500	270	40	West Asia
				9600	Kashi	500	269	40	West Asia
1500-1600	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				6095	Kashi	500	269	37-40,47E,48NW	N Africa, M East
				6135	Xian	500	200	49,54W	South-East Asia
				7325	Beijing	500	193	49E,54	South-East Asia
				7395	Urumqi	500	212	41	South Asia
				9525	Kashi	500	308	27-29,37NW	Europe
				9675	Kashi	500	298	27-29	Europe
				9720	Urumqi	500	270	39S,40N	West Asia
				9785	Jinhua	500	280	41	South Asia
				9880	Nanning	100	200	49SE	South-East Asia
				13685	Bamako	100	111	53	East Africa
				17630	Bamako	100	085	47E,48	North-East Africa
1500-1600	Daily	Bengali	M	9610	Kunming	150	270	41NE	South Asia
				9690	Kunming	150	270	41NE	South Asia
1500-1600	Daily	Chinese	P	6100	Beijing	500	215	49,54W	South-East Asia
				7235	Kashi	100	173	41	South Asia
				7255	Beijing	150	095	44NE,45N	Far East
				9455	Kunming	150	191	49,54NW	South-East Asia
				9560	Kashi	100	174	41NW	South Asia
				9590	Kashi	500	308	27-29	Europe
				9705	Kashi	500	308	27-29	Europe
1500-1600	Daily	Hindi	P	7225	Urumqi	500	212	41	South Asia
				7265	Kashi	100	174	41	South Asia
1500-1600	Daily	Japanese	P	5980	Xian	500	073	44NE,45N	Far East
				7220	Jinhua	500	059	44NE,45N	Far East
1500-1600	Daily	Nepali	P	7215	Kunming	500	283	42S	South Asia
				9535	Xian	500	252	42S	South Asia

1500-1600	Daily	Russian	P	5905	Kashi	100	000	30SE,31SW	Central Asia
				5915	Huhhot	100	345	31-33	Siberia
				5965	Beijing	500	055	33SE,34	Siberia
				5990	Huhhot	100	345	31-33	Siberia
				6025	Xian	500	292	29S,30S	Caucasus
				6105	Shijiazhuang	500	315	29-31	Eastern Europe
				6180	Urumqi	500	308	29,30	Eastern Europe
1500-1600	Daily	Tamil	P	7360	Kashi	100	173	41S	South Asia
				9490	Kashi	100	174	41	South Asia
1500-1600	Daily	Turkish	P	9565	Kunming	500	300	39N	Middle East
1500-1600	Daily	Urdu	P	6075	Kashi	100	209	41NW	South Asia
				7285	Kashi	100	209	41NW	South Asia
1500-1600	Daily	Vietnamese	P	6190	Beijing	500	193	49E	South-East Asia
1530-1600	Daily	Pashto	P	6165	Urumqi	500	270	40E,41NW	West Asia
				7435	Kunming	500	300	40	West Asia
				9665	Kashi	100	239	40E	West Asia
				6060	Kunming	150	163	49E,54	South-East Asia
1600-1700	Daily	English	P	6175	Nanning	100	200	49SE	South-East Asia
				7235	Kashi	100	173	41	South Asia
				7255	Kashi	500	294	27-29,37NW	Europe
				7420	Urumqi	500	270	37S,38,39,40NW,46,47	NW/C Africa
				7435	Jinhua	500	255	53,57	Southern Africa
				9570	Beijing	500	257	52E,53,57N	Central Africa
				9675	Kashi	500	298	27-29	Europe
				9875	Kashi	500	308	27-29	Europe
				9880	Nanning	100	200	49SE	South-East Asia
				7300	Kashi	500	269	37-40,47E,48NW	Arab World
1600-1700	Daily	Arabic	P	15125	Bamako	100	085	47E,48NW	Arab World
				17880	Bamako	100	020	37	Arab World
1600-1700	Daily	French	P	7350	Kashi	500	308	27SE	Europe
1600-1700	Daily	German	M	5970	Xian	500	317	28NW	Europe
				7380	Baoji	150	317	28NW	Europe
1600-1700	Daily	Hakka	M	6090	Xian	500	252	53	East Africa
				7325	Urumqi	500	212	53,57	Southern Africa
1600-1700	Daily	Hindi	P	5915	Kashi	100	209	41NW	South Asia
				7410	Kunming	500	283	41	South Asia
1600-1700	Daily	Russian	P	5905	Kashi	100	000	30SE,31SW	Central Asia
				6040	Urumqi	500	308	29,30	Eastern Europe
				7215	Shijiazhuang	500	315	29-31	Eastern Europe
				7265	Beijing	500	318	29,30	Eastern Europe
1600-1700	Daily	Swahili	P	5985	Beijing	500	257	48SW,53NW	East Africa
				7245	Xian	500	252	48SW,53NW	East Africa
1600-1700	Daily	Turkish	P	6165	Urumqi	500	270	39N	Middle East
				7325	Kunming	500	300	39NW	Middle East
1600-1700	Daily	Vietnamese	P	6010	Beijing	500	193	49E	South-East Asia
				7315	Kunming	100	184	49E	South-East Asia
1630-1730	Daily	Hausa	P	9620	Kashi	500	269	46E	West Africa
				9665	Kunming	500	283	46E	West Africa
1700-1800	Daily	English	P	6090	Kunming	150	163	49E,54	South-East Asia
				6100	Beijing	500	318	27-29	Europe
				6140	Kashi	100	173	41	South Asia
				6165	Beijing	500	288	40	West Asia
				6175	Nanning	100	200	49SE	South-East Asia
				7235	Kashi	100	173	41	South Asia
				7255	Kashi	500	294	27-29,37NW	Europe
				7410	Kashi	100	174	41	South Asia
				7420	Kunming	150	191	49E,54	South-East Asia
				7435	Jinhua	500	255	53,57	Southern Africa
				9570	Beijing	500	257	52E,53,57N	East Africa
				9880	Nanning	100	200	49SE	South-East Asia
				7300	Kashi	500	269	37-40,47E,48NW	Arab World
				7220	Xian	500	252	48SE,53	East Africa
1700-1800	Daily	Cantonese	M	7325	Urumqi	500	212	53,57	Southern Africa
				7335	Beijing	500	322	28S	Europe
1700-1800	Daily	Croatian	M	9410	Kashi	500	294	28S	Europe
				7205	Beijing	500	318	27,28	Europe
1700-1800	Daily	Esperanto	P	7420	Xian	500	317	27,28	Europe

1700-1800	Daily	French	P	7350	Kashi	500	308	27SE	Europe
1700-1800	Daily	German	M	5970	Xian	500	317	28NW	Europe
				7380	Baoji	150	317	28NW	Europe
1700-1800	Daily	Russian	P	6040	Urumqi	500	308	29,30	Eastern Europe
				6070	Xian	500	292	29S,30S	Caucasus
				7265	Urumqi	500	308	29,30	Eastern Europe
				7410	Shijiazhuang	500	315	29-31	Eastern Europe
1700-1800	Daily	Swahili	P	5985	Beijing	500	257	48SW,53NW	East Africa
				7245	Xian	500	252	48SW,53NW	East Africa
				13645	Bamako	100	111	48SW,53NW	East Africa
				15125	Bamako	100	111	48SW,53NW	East Africa
1730-1830	Daily	Chinese	P	6150	Shijiazhuang	500	315	27-29,37NW	Europe
				7275	Urumqi	500	270	37S,38,39,40NW,46,47	N Africa, M East
				7315	Kunming	500	300	38-40,46,47	N/W Africa, M East
				7445	Urumqi	500	308	27-29	Europe
				9695	Kunming	500	283	38-40,46,47	N/W Africa, M East
1730-1830	Daily	Hausa	P	9450	Kashi	500	269	46E	West Africa
				9685	Kunming	500	283	46E	West Africa
1800-1830	Daily	Persian	P	7325	Beijing	500	288	40	West Asia
				7415	Xian	500	292	40	West Asia
1800-1830	Daily	Hausa	P	11640	Bamako	100	085	46E	West Africa
				13645	Bamako	100	111	46E	West Africa
1800-1900	Daily	English	P	6100	Beijing	500	318	27-29	Europe
				7240	Beijing	500	318	27-29	Europe
1800-1900	Daily	Amoy	M	6010	Urumqi	500	308	27SE	Europe
				7285	Xian	500	306	27SE	Europe
1800-1900	Daily	French	P	6055	Kashi	500	269	37,46W	North/West Africa
				7360	Xian	500	317	27SE	Europe
1800-1900	Daily	German	M	6160	Xian	500	317	28NW	Europe
				7395	Kashi	500	308	28NW	Europe
				9615	Urumqi	500	308	28NW	Europe
1800-1900	Daily	Italian	M	7340	Kashi	500	294	28SW	Europe
				7435	Jinhua	500	314	28SW	Europe
1800-1900	Daily	Russian	P	6070	Beijing	500	288	29S,30S	Caucasus
				7210	Urumqi	500	308	29,30	Eastern Europe
				7255	Shijiazhuang	500	315	29-31	Eastern Europe
1830-1900	Daily	Bulgarian	M	6020	Shijiazhuang	500	315	28SE	Europe
				7265	Urumqi	500	308	28SE	Europe
				9695	Kunming	500	300	28S	Europe
1830-1900	Daily	Persian	P	7325	Beijing	500	288	40	West Asia
				7415	Xian	500	292	40	West Asia
1830-1930	Daily	Arabic	P	11640	Bamako	100	085	47E,48NW	Arab World
				13685	Bamako	100	020	37	Arab World
1830-1930	Daily	French	P	7350	Kashi	500	269	46	West Africa
				9645	Kunming	500	283	46	West Africa
1900-1930	Daily	Czech	M	7325	Shijiazhuang	500	315	28NE	Europe
				7415	Urumqi	500	308	28NE	Europe
1900-1930	Daily	Hungarian	P	7435	Xian	500	306	28N	Europe
				9560	Urumqi	500	308	28N	Europe
1900-1930	Daily	Romanian	M	6090	Urumqi	500	308	28E	Europe
1900-2000	Daily	English	P	7295	Urumqi	500	270	38-40,47E,48NW	N Africa, M East
				9440	Kunming	500	283	38-40,46,47	N/W Africa, M East
1900-2000	Daily	Albanian	M	6020	Shijiazhuang	500	315	28SE	Europe
				7385	Kashi	500	294	28SE	Europe
1900-2000	Daily	Cantonese	M	7215	Beijing	500	322	27-29	Europe
				9770	Kashi	500	308	27-29	Europe
1900-2000	Daily	French	P	6055	Kashi	500	269	37,46W	North/West Africa
				7360	Xian	500	317	27SE	Europe
1900-2000	Daily	German	M	6160	Xian	500	317	28NW	Europe
				7395	Kashi	500	308	28NW	Europe
				9615	Urumqi	500	308	28NW	Europe
1900-2000	Daily	Portuguese	M	5985	Beijing	500	257	52S,53W	Southern Africa
				7205	Xian	500	252	52,53W,57N	Southern Africa
				7335	Jinhua	500	320	37NW	Europe
				7365	Beijing	500	257	52S,53W	Southern Africa
				9535	Baoji	150	255	52,53	Southern Africa
				9730	Kashi	500	298	37NW	Europe

1900-2000	Daily	Russian	P	6100	Beijing	500	318	29,30	Eastern Europe
				6110	Xian	500	292	29S,30S	Caucasus
				7245	Baoji	150	317	29-31	Eastern Europe
1900-2000	Daily	Turkish	P	7255	Kunming	500	300	39N	Middle East
				9655	Kunming	500	300	39N	Middle East
1930-2000	Daily	Czech	M	7415	Urumqi	500	308	28NE	Europe
1930-2000	Daily	Portuguese	M	11640	Bamako	100	111	53NW	Southern Africa
				13630	Bamako	100	111	53NW	Southern Africa
1930-2000	Daily	Romanian	M	6090	Urumqi	500	308	28E	Europe
				7435	Xian	500	306	28E	Europe
1930-2030	Daily	Esperanto	P	7265	Urumqi	500	308	27,28	Europe
				9745	Urumqi	500	308	27,28	Europe
1930-2030	Daily	French	P	7350	Kashi	500	269	46	West Africa
				9645	Kunming	500	283	46	West Africa
2000-2030	Daily	Serbian	M	7325	Urumqi	500	308	28S	Europe
				7390	Xian	500	317	28S	Europe
				9585	Kashi	500	298	28S	Europe
2000-2100	Daily	English	P	5985	Beijing	500	257	52E,53,57N	East Africa
				7285	Xian	500	317	27,28	Europe
				7295	Urumqi	500	270	38-40,47E,48NW	N Africa, M East
				7415	Kashi	500	308	27-29	Europe
				9440	Kunming	500	300	38-40,46,47	N/W Africa, M East
				9600	Kashi	500	308	27-29	Europe
				11640	Bamako	100	111	53	Central/East Africa
				13630	Bamako	100	111	53	Central/East Africa
2000-2100	Daily	Arabic	P	6100	Xian	500	292	37-40,47E	Arab World
2000-2100	Daily	Chinese	P	7205	Xian	500	252	53	East Africa
				7245	Kashi	500	269	37-40,47E,48NW	N Africa, M East
				7335	Shijiazhuang	500	315	27-29,37NW	Europe
				7440	Beijing	500	318	27-29	Europe
				9865	Kunming	500	283	38-40,46,47	N/W Africa, M East
2000-2100	Daily	Polish	M	6020	Shijiazhuang	500	315	28N	Europe
				7305	Urumqi	500	308	28N	Europe
2000-2100	Daily	Russian	P	6155	Beijing	500	318	29,30	Eastern Europe
				7255	Baoji	150	317	29-31	Eastern Europe
2030-2100	Daily	Bulgarian	M	7320	Kunming	500	300	28S	Europe
				9720	Urumqi	500	308	28SE	Europe
2030-2100	Daily	Hungarian	P	7390	Jinhua	500	314	28N	Europe
				9585	Kashi	500	298	28N	Europe
2030-2130	Daily	French	P	6115	Beijing	500	322	27SE	Europe
				7350	Urumqi	500	308	27SE	Europe
2030-2130	Daily	Italian	M	7265	Urumqi	500	308	28SW	Europe
				7345	Kashi	500	294	28SW	Europe
2100-2130	Daily	English	P	11640	Bamako	100	111	53	Central/East Africa
				13630	Bamako	100	111	53	Central/East Africa
2100-2130	Daily	Serbian	P	7325	Xian	500	317	28S	Europe
				7445	Kunming	500	300	28S	Europe
2100-2200	Daily	English	P	7205	Xian	500	252	53	East Africa
				7285	Xian	500	317	27,28	Europe
				7325	Beijing	500	257	52E,53,57N	East Africa
				7415	Kashi	500	308	27-29	Europe
				9600	Kashi	500	308	27-29	Europe
				6100	Xian	500	292	37-40,47E	Arab World
2100-2200	Daily	Croatian	M	6135	Beijing	500	318	28S	Europe
				7225	Beijing	500	318	28S	Europe
2100-2200	Daily	Korean	P	7290	Xian	500	073	44NE,45NW	Far East
2100-2300	Daily	Spanish	P	6020	Shijiazhuang	500	315	37NW	Europe
				9640	Kashi	500	298	37NW	Europe
2130-2200	Daily	Hungarian	P	7445	Urumqi	500	308	28N	Europe
2130-2230	Daily	French	P	6115	Beijing	500	322	27SE	Europe
				7350	Urumqi	500	308	27SE	Europe
				11975	Bamako	100	020	37	North-West Africa
				13630	Bamako	100	111	53	Central Africa, Madagascar
2200-2300	Daily	English	P	5915	Beijing	150	095	44NE,45N	Far East
2200-2300	Daily	Chinese	P	5975	Beijing	500	257	52E,53,57N	East Africa
				6100	Kunming	150	163	49E,54	South-East Asia
				6140	Kunming	100	225	49	South-East Asia
				6180	Kunming	100	184	49E,54W	South-East Asia

				7265	Kunming	500	283	38-40,46,47	N/W Africa, M East
				7290	Urumqi	500	270	37-40,47E,48NW	N/W Africa, M East
				7305	Beijing	150	095	44NE,45N	Far East
				7325	Kunming	150	191	49,54NW	South-East Asia
				7440	Jinhua	500	255	53,57	East/Southern Africa
2200-2300	Daily	Esperanto	P	7315	Kashi	500	294	12E,13,14N	South America
				9860	Kashi	500	269	13S,14,15W	South America
2200-2300	Daily	Japanese	P	5985	Xian	500	073	44NE,45N	Far East
				7430	Jinhua	500	059	44NE,45N	Far East
2200-2300	Daily	Korean	P	7290	Xian	500	073	44NE,45NW	Far East
2200-2300	Daily	Portuguese	M	6175	Xian	500	317	37NW	Europe
				7260	Urumqi	500	308	37NW	Europe
				9410	Kashi	500	294	13S,15W	South America
				9685	Kashi	500	269	13S,15W	South America
2200-2300	Daily	Spanish	P	6100	Beijing	500	318	12-14	South America
				7250	Urumqi	500	308	37NW	Europe
2300-0000	Daily	English	P	5915	Kashi	100	174	41	South Asia
				5990	La Habana	250	ND	8S,10E,11W	Central America, Caribbean
				6145	Beijing	150	095	44NE,45N	Far East
				7350	Kashi	500	308	27-29	Europe
				7410	Kashi	100	173	41	South Asia
				9535	Kunming	100	122	50	South-East Asia
				11790	Xian	500	190	49E	South-East Asia
2300-0000	Daily	Cantonese	M	6140	Kunming	100	225	49	South-East Asia
				6180	Kunming	150	163	49E,54	South-East Asia
				7325	Kunming	150	191	49,54NW	South-East Asia
				9630	Jinhua	500	161	50	South-East Asia
				11945	Kunming	100	175	49,54	South-East Asia
2300-0000	Daily	Chinese	P	7300	Urumqi	500	308	27-29	Europe
				9555	Beijing	150	095	44NE,45N	Far East
2300-0000	Daily	Japanese	P	9695	Jinhua	500	059	44NE,45N	Far East
				9720	Xian	500	073	44NE,45N	Far East
2300-0000	Daily	Khmer	M	7430	Nanning	100	200	49SE	South-East Asia
				9765	Nanning	100	200	49SE	South-East Asia
2300-0000	Daily	Mongolian	P	6185	Xian	500	354	32S,33SW	Central Asia
				7205	Xian	500	354	32S,33SW	Central Asia
2300-0000	Daily	Portuguese	M	6100	Beijing	500	318	12-14	South America
				13650	La Habana	250	135	12E,13,15NW	South America
2300-0000	Daily	Russian	P	5990	Huhhot	100	345	31-33	Siberia
				7415	Huhhot	100	345	31-33	Siberia
2300-0100	Daily	Spanish	P	9590	Kashi	500	294	12-14	South America
				9800	Kashi	500	269	14,15W	South America
2300-0000	Daily	Vietnamese	P	7220	Xian	500	190	49E	South-East Asia
				9415	Beijing	500	193	49E	South-East Asia
2330-0030	Daily	Sinhala	P	6100	Kunming	150	234	41SE	South Asia
				7260	Kashi	100	173	41	South Asia

China Huayi Broadcasting Corporation

China Huayi Broadcasting Corporation is a private radio station broadcasting news and entertainment to listeners in Taiwan, Hong Kong, Macao and South-East Asia in general.

Transmitter site: Fuzhou, Fujian - 15 kW.

Time/UTC Days Language kHz kW Az. Target area

0950-1600 Daily Chinese 6185 15 ND Southern China, South-East Asia

Haixa zhi Sheng (Voice of the Taiwan Strait)

Voice of the Strait is a service operated by the Peoples Liberation Army and broadcasting to Taiwan. There are two services, News Radio in Chinese (666 & 4940 kHz) and the Minnan Language Programme (783 & 4900 kHz).

Minnan Language Program

Transmitter site: Fuzhou, Fujian.

Silent period: Wednesday 0400-0955.

Time/UTC Days Language kHz kW Az. Target area

0945-1600 Daily Minnan 4900 50 140 Taiwan

Voice of the Taiwan Strait News Radio

Transmitter site: Fuzhou, Fujian.

Silent period: Wednesday 0400-0955.

Time/UTC Days Language kHz kW Az. Target area

0945-1600 Daily Chinese 4940 50 140 Taiwan

Voice of Jinling

The Voice of Jinling is located in Nanjing and broadcasts to the surrounding area on 99.7 FM. It is also aired on shortwave 6200 kHz between 1230-1505 reportedly for listeners in Taiwan.

Transmitter site: Nanjing, Jiangsu.

Target area: Taiwan

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
1230-1505	Daily	Chinese	6200	100	159	44S

Voice of Guangxi Beibu Wan (Beibu Bay Radio)

Beibu Bay Radio is a joint venture of Guangxi Broadcasting and TV Bureau and CRI.

Target area: ASEAN countries primarily in the Gulf of Tonkin.

Transmitter site: Nanning, Guangxi.

Time/UTC	Days	kHz	kW	Az.	CIRAF
2248-0102	Daily	5050	100	232	49
		9820	100	191	49
0945-1603	Daily	5050	100	232	49
		9820	100	191	49

Analysis of Beibu Bay Radio B21 schedule

Difference from A21 schedule

- Relay of CRI Vietnamese program (2 times at 1000 and 1400 in A21) has been reduced to 1 time at 1000 (since August 2021)
- Relay of CRI Chinese program at 0000 has been changed to that of CNR 9th "Story Radio" in Chinese (since 20 October 2021)
- The new programme produced by Chongzuo City Radio & TV station in southern dialect of Zhuang language has been regularly broadcast at 1300-1320 since November 1 2021. As FEBC terminated the broadcast in this language, this is the only broadcast on shortwave in Zhuang language.
- Relay of Radio Thailand in Thai at 1530-1545 on Saturdays and Sundays was replaced by own produced programme in Thai

The detailed B21 shortwave schedule is as follows.

Evening Broadcast 0945-1603 UTC

0945-0950	Top Music in Thai
0950-1000	Music
1000-1030	Own programme in Chinese
1030-1100	Recorded Relay of CRI Chinese programme
1100-1200	Relay of CRI Vietnamese programme
1200-1202	Chinese Lesson (Mon: Cambodian, Tue: Lao, Wed: Burmese, Thu: Thai, Fri: Vietnamese, Sat/Sun not fixed)
1202-1300	Own programme in Vietnamese
1300-1320	Programme in Southern dialect of Zhuang language produced by Chongzuo City Radio & TV station
1320-1340	Own programme in Chinese
1340-1345	Own programme in foreign languages (Mon: Cambodian, Tue: Lao, Wed: Burmese, Thu: Thai, Fri: Vietnamese, Sat/Sun not fixed)
1340-1410	Own programme in Chinese
1410-1420	Recorded relay of CRI Chinese programme
1420-1428	Own programme in Chinese
1428-1430	Own programme in Cantonese
1430-1510	Own programme in Chinese
1510-1515	Own programme in English
1515-1520	Own programme in Chinese
1520-1530	Own programme in Cantonese
1530-1545	Own programme in Thai
1545-1603	Own programme in Chinese



Morning Broadcast 2248-0102 UTC

2248-2300	Opening Music
2300-2350	Recorded relay of CNR 7th programme "Radio the Greater Bay" in Cantonese
2350-0000	Music
0000-0050	Recorded relay of CNR 9th programme "Story Radio" in Chinese
0050-0100	Music
0100-0102	Chinese Lesson (Mon/Sat Cambodian Tue Lao Wed Burmese Thu/Sun Thai Fri Vietnamese)
0102	Weather Forecast in Vietnamese

The original article is at <https://cahcn.github.io/posts/2021-11-15-Beibu-Bay-Radio.html>

Takahito Akabayashi, Tokyo, Japan via World of Radio iog, 20 November 2021

Target broadcasts to China

The following broadcasts are all jammed by China, either in the form of a co-channel transmission of CNR-1 or a continuous loop of Firedrake music. Please take care when trying to identify the correct station, it could be CNR-1! See Ron Howard's comments below regarding Sound of Hope vs CNR-1.

Radio Free Asia broadcasts to China

Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to China, Tibet, and other places in Asia with poor media environments and few, if any, free speech protections. Broadcasts in Chinese, Cantonese, Tibetan and Uighur all draw the wrath of the Chinese government.

Target area: China, including Tibet and environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0100-0200	Daily	Tibetan	9665	Dushanbe TJK	250	110	42,43W
			11895	Dushanbe TJK	250	110	42,43W
			11950	Umm al-Rimam KWT	250	070	42,43W
			13765	Saipan MRA	100	300	42,43W
0100-0200	Daily	Uighur	7580	Dushanbe TJK	200	060	42N,43N
			9450	Saipan MRA	100	310	42N,43N
			9700	Umm al-Rimam KWT	250	055	42N,43N
			11530	Tinian MRA	250	313	42N,43N
			12065	Umm al-Rimam KWT	250	058	42N,43N
0200-0300	Daily	Tibetan	9450	Umm al-Rimam KWT	250	078	42,43W
			11540	Tinian MRA	250	296	42,43W
			11895	Saipan MRA	100	300	42,43W
			11950	Umm al-Rimam KWT	250	070	42,43W
			12010	Tinian MRA	250	289	42,43W
0300-0400	Daily	Chinese	11980	Umm al-Rimam KWT	250	070	42-44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
0400-0500	Daily	Chinese	11980	Tinian MRA	250	313	43,44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
0500-0600	Daily	Chinese	11980	Tinian MRA	250	313	43,44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
			21700	Tinian MRA	250	296	42-44
0600-0700	Daily	Chinese	11980	Dushanbe TJK	200	110	42-44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
			17840	Tinian MRA	250	313	42-44
0600-0700	Daily	Tibetan	15255	Dhabbaya UAE	250	075	42,43W
			15665	Dushanbe TJK	200	117	42,43W
			17675	Biblis D	100	085	42,43W
			21480	Tinian MRA	250	296	42,43W
1000-1100	Daily	Tibetan	9690	Dushanbe TJK	200	125	42,43W
			15665	Tinian MRA	250	289	42,43W
1000-1100	Mon	Tibetan	17830	Tinian MRA	250	296	42,43W
1000-1100	Tue	Tibetan	17580	Tinian MRA	250	296	42,43W
1000-1100	Wed	Tibetan	17815	Tinian MRA	250	296	42,43W
1000-1100	Thu	Tibetan	17820	Tinian MRA	250	296	42,43W
1000-1100	Fri	Tibetan	17840	Tinian MRA	250	296	42,43W
1000-1100	Sat	Tibetan	17660	Tinian MRA	250	296	42,43W
1000-1100	Sun	Tibetan	17730	Tinian MRA	250	296	42,43W
1100-1200	Daily	Tibetan	9305	Dushanbe TJK	200	125	42,43W
			12050	Umm al-Rimam KWT	250	070	42,43W
			15745	Tinian MRA	250	289	42,43W
1200-1230	Daily	Tibetan	9305	Dushanbe TJK	200	125	42,43W
			11935	Tinian MRA	250	280	42,43W
			12050	Umm al-Rimam KWT	250	070	42,43W
			13830	Dushanbe TJK	250	110	42,43W
			15745	Tinian MRA	250	289	42,43W
1230-1300	Daily	Tibetan	9305	Dushanbe TJK	200	125	42,43W
			11935	Saipan MRA	100	310	42,43W
			12050	Umm al-Rimam KWT	250	070	42,43W
			13830	Dushanbe TJK	250	110	42,43W
			15745	Tinian TJK	250	313	42,43W
1300-1400	Daily	Tibetan	9305	Dushanbe TJK	200	125	42,43W

			11855	Saipan MRA	100	310	42,43W
			13650	Umm al-Rimam KWT	250	070	42,43W
			13830	Dushanbe TJK	250	110	42,43W
			15745	Dushanbe TJK	200	110	42,43W
1400-1500	Daily	Cantonese	9390	Tinian MRA	250	313	44S
1500-1600	Daily	Tibetan	9315	Dushanbe TJK	200	125	42,43W
			11805	Umm al-Rimam KWT	250	070	42,43W
			12125	Tinian MRA	250	296	42,43W
1500-1600	Daily	Chinese	7540	Dushanbe TJK	250	110	42-44
			9790	Saipan MRA	100	300	43,44
			11590	Umm al-Rimam KWT	250	070	43,44
			11725	Umm al-Rimam KWT	250	070	43,44
			11765	Umm al-Rimam KWT	250	070	43,44
1600-1700	Daily	Chinese	9315	Tinian MRA	250	313	42-44
			11590	Tinian MRA	250	296	43,44
1600-1700	M/W/F	Chinese	9455	Saipan MRA	100	300	43,44
1600-1700	Tue/Thu	Chinese	9720	Saipan MRA	100	300	43,44
1600-1700	Sat/Sun	Chinese	9900	Saipan MRA	100	300	43,44
1600-1700	Daily	Uighur	7545	Dushanbe TJK	200	060	42N,43N
			7560	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Mon	Uighur	11800	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Tue/Sun	Uighur	11775	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Wed	Uighur	11805	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Thu	Uighur	11780	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Fri	Uighur	11885	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Sat	Uighur	11890	Umm al-Rimam KWT	250	058	42N,43N
1700-1900	Daily	Chinese	9950	Saipan MRA	100	300	43,44
			11590	Tinian MRA	250	296	43,44
1900-2000	Daily	Chinese	5890	Umm al-Rimam KWT	250	070	42-44
			7520	Umm al-Rimam KWT	250	078	42-44
			9455	Saipan MRA	100	300	43,44
			9860	Saipan MRA	100	310	43,44
2000-2100	Daily	Chinese	5890	Umm al-Rimam KWT	250	070	42-44
			7520	Umm al-Rimam KWT	250	078	42-44
			9410	Saipan MRA	100	300	43,44
			9455	Saipan MRA	100	310	43,44
			11525	Tinian MRA	250	313	43,44
2100-2200	Daily	Chinese	7520	Umm al-Rimam KWT	250	070	42-44
			9410	Saipan MRA	100	300	43,44
			9455	Umm al-Rimam KWT	250	078	42-44
2200-2300	Daily	Tibetan	7480	Umm al-Rimam KWT	250	070	42,43W
			9790	Umm al-Rimam KWT	250	078	42,43W
			12050	Tinian MRA	250	289	42,43W
2300-0000	Daily	Tibetan	5875	Dushanbe TJK	200	110	42,43W
			7470	Dushanbe TJK	250	110	42,43W
			7540	Umm al-Rimam KWT	250	070	42,43W
			9910	Umm al-Rimam KWT	250	078	42,43W
2300-0000	Daily	Chinese	9860	Tinian MRA	250	313	42-44
			11525	Tinian MRA	250	313	43,44
			11775	Saipan MRA	100	310	43,44

Voice of America broadcasts to China

Voice of America (VOA) is an American international broadcaster funded by the United States Congress. It is the largest and oldest U.S. funded international broadcaster. VOA produces digital, TV, and radio content in 47 languages which it distributes to affiliate stations around the globe. It is primarily viewed by foreign audiences, so VOA programming has an influence on public opinion abroad regarding the United States and its people. VOA is headquartered in Washington, D.C., and overseen by the U.S. Agency for Global Media (USAGM), an independent agency of the U.S. government. Funds are appropriated annually under the budget for embassies and consulates.

Target area: China, including Tibet and environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0000-0030	Daily	Tibetan	5890	Umm al-Rimam KWT	250	070	42,43W
			7580	Umm al-Rimam KWT	250	078	42,43W
			9670	Udon Thani THA	250	311	42,43W
0000-0100	Daily	Chinese	7560	Udon Thani THA	250	006	43,44
			9880	Udon Thani THA	250	030	43,44
			11945	Tinang PHL	250	332	43,44
			15425	Tinang PHL	250	349	43,44
0030-0100	Daily	Tibetan	5890	Udon Thani THA	250	316	42,43W

0300-0400	Daily	Tibetan	7580	Umm al-Rimam KWT	250	078	42,43W
			9670	Udon Thani THA	250	311	42,43W
			17865	Tinang PHL	250	315	42,43W
			21600	Tinang PHL	250	315	42,43W
0400-0500	Daily	Tibetan	21785	Tinang PHL	250	283	42,43W
			15610	Udon Thani THA	250	316	42,43
			17865	Tinang PHL	250	315	42,43W
			21620	Tinang PHL	250	315	42,43W
0500-0600	Daily	Tibetan	15560	Udon Thani PHL	250	316	42,43
			17865	Tinang PHL	250	315	42,43W
			21670	Tinang PHL	250	315	42,43W
			9795	Tinang PHL	250	349	42-44
0900-1000	Daily	Chinese	11650	Udon Thani THA	250	006	43,44
			13830	Udon Thani THA	250	030	42-44
			15150	Udon Thani THA	250	030	43-44
			17720	Udon Thani THA	250	030	43,44
1000-1100	Daily	Chinese	9795	Tinang PHL	250	349	42-44
			9825	Tinang PHL	250	332	43,44
			11650	Udon Thani THA	250	006	43,44
			13830	Udon Thani THA	250	030	42-44
1100-1200	Daily	Chinese	15150	Udon Thani THA	250	030	43-44
			9825	Tinang PHL	250	349	43,44
			11660	Tinang PHL	250	349	42-44
			12080	Tinang PHL	250	332	43,44
1200-1300	Daily	Chinese	15150	Udon Thani THA	250	030	43-44
			7515	Udon Thani THA	250	030	43,44
			9825	Tinang PHL	250	349	43,44
			11660	Udon Thani THA	250	030	43,44
1300-1400	Daily	Chinese	11900	Tinang PHL	250	332	42-44
			7470	Udon Thani THA	250	030	43,44
			9585	Tinang PHL	250	315	42-44
			9825	Tinang PHL	250	349	43,44
1300-1500	Daily	Cantonese	11660	Tinang PHL	250	332	43,44
			7545	Tinang PHL	250	332	44S
1400-1430	Daily	Chinese	9605	Tinang PHL	250	332	43,44
			9825	Tinang PHL	250	315	43,44
			11660	Tinang PHL	250	332	43,44
			12120	Tinang PHL	250	349	42-44
1400-1500	Daily	Tibetan	11760	Tinang PHL	250	316	42,43W
			11910	Udon Thani THA	250	304	42,43W
			13830	Udon Thani THA	250	316	42,43W
			17585	Biblis D	100	085	42,43W
1430-1500	Daily	Chinese	9605	Tinang PHL	250	332	43,44
			9825	Tinang PHL	250	315	43,44
			11660	Udon Thani THA	250	030	43,44
			12120	Tinang PHL	250	349	42-44
1600-1700	Daily	Tibetan	7525	Tinang PHL	250	275	42,43W
			9760	Udon Thani THA	250	319	42,43W
			11670	Tinang PHL	250	315	42,43W
			7500	Udon Thani THA	250	030	43,44
2200-2300	Daily	Chinese	9620	Tinang PHL	250	332	43,44

Voice of Tibet

Voice of Tibet is a radio station based in Norway transmitting shortwave radio programmes in the Tibetan language as well as Mandarin Chinese. The station began broadcasting on 14 May 1996 and was founded by three Norwegian NGOs: Norwegian Human Rights House, The Norwegian Tibet Committee and Worldview Rights. Its broadcasts target Tibet and China as well as India, Bhutan and Nepal. It receives funds from the United States National Endowment for Democracy.

Target area: Tibet and environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.
1300-1400	Daily	Tibetan	moves between 9864 and 9894	Dushanbe, Tajikistan	100	131
2300-0000	Daily	Tibetan	moves between 7476 and 7496	Dushanbe, Tajikistan	100	131

Voice of Tibet moves frequency regularly to avoid the Chinese jammer that follows it ...

Sound of Hope

Sound of Hope (SOH) is an international Chinese-language radio network. Along with New Tang Dynasty Television and The Epoch Times, it is part of a network of media organisations established by practitioners of the Falun Gong new religious movement. SOH serves the Chinese diaspora in US, Europe, Australia, Japan and South Korea on mediumwave and FM and broadcasts to China on an extensive number of out-of-band shortwave frequencies. Programmes are in Chinese and Cantonese, and also include relays of Radio Free Asia at times.

Transmitter sites: Pingtung and Miaoli, Taiwan (and possibly another) - all transmitters are low power - 1 kW or less.

Frequencies: The frequencies and times below are those listed in the [Nagoya DXers Circle](#) shortwave schedule.

Target area: China.

Jamming: most frequencies will be jammed by a co-channel transmission of CNR-1 from Mainland China, which in most cases will be the dominant signal when listening from afar. See Ron Howard's tips below on how to distinguish between SOH and CNR.

kHz	Time/UTC	kHz	Time/UTC	kHz	Time/UTC
6215-mia	24 hours	11500-mia	2030-1700	14430-ptg	2110-1700
6229.9-mia	24 hours	11520-mia	2000-1600	14500-mia	2200-1600
6280-moa	24 hours	11550-mia	2100-1500	14560-mia	2200-1500
6340.2-mia	2110-1700	11580-mia	2100-1600	14580-mia	2200-1500
6370.1-mia	24 hours	11600-mia	2200-1600	14635-mia	2200-1500
6730-mia	24 hours	11715-mia	2105-1700	14690-mia	2200-1500
6850.1-mia	24 hours	11765-mia	2130-1500	14725-mia	2200-1611
6865.1-mia	24 hours	11775-mia	2131-1730	14775-mia	2200-1500
6900-mia	24 hours	11970-mia	2130-1500	14800-mia	2130-1500
6969.9	24 hours	11975-mia	0000-1700	14820-mia	2100-1500
7209.9-mia	24 hours	11990-mia	2130-1300	14870-mia	2200-1605
7280.1-mia	24 hours	12150-mia	2130-1700	14900-ptg	0100-1600
7310-mia	24 hours	12160-mia	2050-1600	14920-mia	2130-1430
7460-mia	2136-1500	12190-mia	1500-1600	14940-mia	2200-1605
7600.2-mia	0200-0100	12210-mia	2200-1500	14980-mia	2200-1500
7645-mia	0200-0100	12230-mia	2130-1700	15280-mia	2100-1700
7730.1-mia	24 hours	12345-mia	2130-1500	15295-mia	2300-1700
7810-mia	24 hours	12365-mia	2105-1600	15340-ptg	0000-1703
9120-mia	2100-1600	12430-mia	2100-1700	15360-mia	2200-1500
9155-mia	24 hours	12500-mia	2135-1700	15410-mia	2300-1200
9180-mia	2145-1630	12550-mia	2130-1700	15580-mia	2150-1700
9200-mia	2151-1530	12775-mia	2130-1400	15745-mia	2144-1530
9214.9-mia	24 hours	12795-mia	2130-1600	15760-mia	2200-1500
9230-mia	2130-1610	12820-mia	2130-1600	15775-mia	2130-1600
9254.9-mia	2130-1600	12835-mia	0000-1300	15800-mia	0000-1600
9280.1-mia	2145-1630	12870-mia	2130-1600	15840-mia	2200-1400
9300-mia	2130-1630	12880-mia	2130-1700	15870-mia	2100-1706
9320-ptg	2357-1646	12910-ptg	2152-1700	15890-mia	0010-1210
9339.8-mia	2100-1600	12950-mia	2130-1450	15920-mia	2100-1400
9540.1-mia	2200-1500	13020-mia	2110-1700	15940-mia	2200-1400
9635-mia	2140-1604	13070-mia	2208-1656	15970-mia	2110-1630
9730.1-ptg	2105-1705	13130-mia	2130-1430	16100-mia	2115-1420
9849.9-mia	2130-1700	13160-mia	2200-1700	16160-mia	2130-1430
9920-mia	2115-1700	13200-mia	2200-1700	16250-mia	2150-1700
9970-mia	2147-1702	13530-mia	2110-1550	16300-ptg	2204-1602
9980-mia	0100-1000	13550-mia	2100-1600	16600-mia	2200-1430
9989.9-mia	2200-1600	13590-mia	2200-1700	16680-mia	2100-1500
10160-mia	2110-1700	13630-mia	2110-1700	16790-mia	2110-1500
10820-mia	2140-1700	13640-mia	2300-1500	16980-mia	2130-1530
10870-mia	2103-1705	13670-mia	2130-1300	17150-mia	2110-1500
10920-mia	2125-1745	13680-mia	2200-1300	17170-mia	2330-1405
10960-ptg	2130-1705	13730-mia	2130-1430	17200-mia	2200-1350
11070-mia	2210-1710	13775-mia	2130-1420	17401-mia	2155-1420
11100-mia	2200-1610	13790-mia	2130-1420	17440-ptg	2300-1300
11120-mia	2150-1700	13820-mia	2130-1300	17760-mia	2250-1130
11150-mia	2300-1000	13840-mia	2120-1400	17780-mia	2300-1300
11170-mia	2110-1700	13870-mia	2030-1400	18180-mia	2300-1130
11300-mia	2110-1700	13890-mia	2200-1700	18900-mia	2200-1000
11410-mia	2120-1715	13920-mia	2213-1420	18970-mia	2200-1000
11440-mia	2041-1700	13960-mia	2130-1500	21800-mia	2300-1000
11480-mia	2100-1710	13980-mia	2300-1500		
		14370-mia	2300-1500		

Identifying Sound of Hope (Taiwan) vs CNR-1 jamming

Sound of Hope (SOH) is quite often jammed by a transmission of China National Radio's CNR-1 service from Mainland China. Ron Howard offered some tips on how to identify SOH in a post to the WOR iog on 17 May 2021.

For me, it has always been fun trying to tie down if a station heard is really a Sound of Hope reception or just the CNR-1 program jamming. Here are a few suggestions, based on my years of observations:

1) One positive way is to listen at the top-of-the-hour. **CNR-1 programming always has time pips, while SOH never has any.**

2) Find a known CNR-1 frequency, that is to say a non-jamming frequency (I use 6125 kHz.), then check to find if it is // to the station in question.

3) SOH is a religious station, so has a more refined format. At ToH usually has news and then a lot of monologues. Rather rare to hear music. While the CNR-1 format is fairly contemporary; many short segments; often with music; in general has a much more upbeat format than SOH.

4) After many years of listening to SOH, I find their audio slightly muffled; not a lot, just enough to be noticeable, especially when compared to the crisp audio of CNR-1.

5) It is not uncommon for SOH to be slightly off-frequency; while CNR-1 is on the exact frequency (xx.00).

6) Finally, if the station in question has fair to good reception, it almost certainly is CNR-1 jamming. SOH stations use rather low power, hence fair-good reception would be extremely rare.

7) If you are fortunate enough to actually hear SOH, their top-of-the-hour ID is "**Xiwang zhi sheng guoji guangbo diantai**" (Sound of Hope international broadcast station), given twice (once by OM and once by YL), then into the news. My audio of a typical ToH SOH ID format is posted at <http://bit.ly/3l6V2kn>.

Ron Howard, 17 May 2021 via WOR iog.



Guam

International broadcasting on shortwave

KSDA - AWR Asia/Pacific

KSDA is the AWR Asia/Pacific relay station based on Guam, which started shortwave broadcasting in 1987.

Transmitter site: Agat - 5 x 100 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0030	Daily	Vietnamese	15325	100	285	49E	South-East Asia
0000-0030	Daily	Burmese	17650	100	315	43N,44N	South-East Asia
0030-0100	Daily	Aso Chin	15325	100	285	49NW	South-East Asia
0030-0100	Daily	Karen	17525	100	285	49NW	South-East Asia
1000-1100	Daily	Chinese	11690	100	315	43N,44N	East Asia
			15420	100	300	43S,44S	East Asia
1030-1100	Fri/Sun	Ilocano	11870	100	255	50	South-East Asia
1030-1100	Mon-Thu/Sat	Tagalog	11870	100	255	50	South-East Asia
1030-1100	Daily	Mongolian	15500	100	215	43N,44N	East Asia
1100-1130	Daily	Indonesian	15500	100	255	54	South-East Asia
1100-1200	Daily	Chinese	9610	100	330	32S,33S,43N,44N	East Asia
			11690	100	315	43N,44N	East Asia
			15210	100	300	43N,44S	East Asia
1130-1200	Tu/Th/Sa/Su	Sundanese	15500	100	255	49S,54	South-East Asia
1130-1200	Mon/Wed/Fri	Javanese	15500	100	255	49S,54	South-East Asia
1130-1200	Daily	Shan	15610	100	285	49N	South-East Asia
1200-1230	Fri/Sat	Chinese	9610	100	315	43N,44N	East Asia

1200-1230	Sun-Thu	Min Nan	12080	100	300	43S,44S	East Asia
			9610	100	315	43N,44N	East Asia
			12080	100	300	43S,44S	East Asia
1200-1230	Daily	Mon	15610	100	285	49	South-East Asia
1230-1300	Fri	Chinese	9610	100	315	43N,44N	East Asia
1230-1300	Sat-Thu	Cantonese	9610	100	315	43N,44N	East Asia
1230-1300	Fri	Chinese	12080	100	300	43S,44S	East Asia
1230-1300	Sat-Thu	Cantonese	12080	100	300	43S,44S	East Asia
1300-1330	Mon-Fri	Chinese	9470	100	315	42,43W	East Asia
1300-1330	Sat/Sun	Uighur	9470	100	315	42,43W	East Asia
1300-1330	Daily	Bengali	15255	100	285	41NE	South Asia
1300-1330	Daily	Kachin	15530	100	285	49NW	South-East Asia
1300-1330	Daily	Nepali	15610	100	300	41NE	South Asia
1300-1400	Daily	Korean	9740	100	330	44NE,45NW	East Asia
1330-1400	Sun-Wed/Fri	Isan	12085	100	270	49E	South-East Asia
1330-1400	Thu/Sat	Lao	12085	100	270	49E	South-East Asia
1330-1400	Daily	Kokborok	15255	100	285	41NE	South Asia
1330-1400	Mon/Wed/Sat	Indonesian	15550	100	285	54N	South-East Asia
1330-1400	Wed/Sun	Assamese	15550	100	285	41NE	South Asia
1330-1400	Thu/Fri	Hmong	15550	100	285	41NE	South Asia
1330-1400	Daily	Khasi	15580	100	285	41NE	South Asia
1400-1430	Daily	Chinese	9720	100	300	42,43W	East Asia
1400-1430	Daily	Asho Chin	9720	100	285	49NW	South-East Asia
1400-1500	Daily	Korean	9645	100	330	44NW,45NW	East Asia
1400-1500	Daily	Burmese	11620	100	285	49NW	South-East Asia
1430-1500	Daily	Karen	11955	100	285	49NW	South-East Asia
			12085	100	285	49NW	South-East Asia
1500-1530	Daily	Kannada	15215	100	270	41S	South Asia
1530-1600	Daily	Hindi	15215	100	285	41N	South Asia
1530-1600	Thu/Fri	Tibetan	15530	100	285	41N,42S	Tibet & environs
1530-1600	Sat-Wed	English	15530	100	285	41N,42S	Tibet & environs
1530-1600	Daily	Gujarati	15615	100	285	41	South Asia
1530-1600	Daily	Kannada	15665	100	270	41S	South Asia
1600-1630	Daily	English	12040	100	270	41S	South Asia
2100-2200	Daily	Korean	9860	100	345	44NE,45NW	East Asia
2200-2230	Daily	Dayak	11955	100	255	54	South-East Asia
2200-2230	Mo/We/Sa/Su	Sundanese	12040	100	255	54	South-East Asia
2200-2230	Tue/Thu/Sun	English	12040	100	255	54	South-East Asia
2200-2300	Daily	Chinese	11870	100	330	32S,33S,43N,44N	East Asia
			11980	100	315	43N,44N	East Asia
2200-2300	Daily	Vietnamese	15215	100	285	43S,49	South-East Asia
2230-2300	Daily	Indonesian	11955	100	255	54	South-East Asia
2230-2300	Daily	Javanese	12040	100	255	54	South-East Asia
2300-2330	Daily	Khmer	15365	100	270	49E	South-East Asia
2300-0000	Daily	Chinese	15215	100	315	43N,44N	East Asia
			15625	100	330	32S,33S,43N,44N	East Asia
2330-0000	Sun-Wed/Fri	Thai	15365	100	270	49E	South-East Asia
2330-0000	Thu/Sat	Lao	15365	100	270	49E	South-East Asia



KTWR - Trans World Radio

KTWR is the TWR relay station based on Guam, which began broadcasting on shortwave in September 1977.

Transmitter site: Merizo - 1 x 100 kW & 2 x 250 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>	<i>Notes</i>
1000-1015	Mon-Fri	English	11995	100	165	51,55,56,58-60	Australasia	
1000-1015	Sat	Javanese	11965	100	248	54	South-East Asia	
1000-1030	Mon-Fri	Madurese	11965	100	248	54	South-East Asia	
1000-1030	Sun	South Indian	15200	90	285	41	South Asia	DRM
1000-1045	Sat	English	11995	100	165	51,55,56,58-60	Australasia	
1015-1030	Sat	Sundanese	11965	100	248	54	South-East Asia	
1030-1045	Sat	Javanese	11965	100	248	54	South-East Asia	
1030-1100	Mon-Fri	Sundanese	11965	100	248	54	South-East Asia	
1030-1100	Sun	Indonesian	11965	100	248	54	South-East Asia	
1030-1100	Sun	English	15200	90	285	41	South Asia	DRM
1045-1100	Sat	Indonesian	11965	100	248	54	South-East Asia	
1045-1100	Mon-Sat	Mongolian	12120	200	315	32-33	East Asia	
1100-1130	Sun	English	11965	100	263	49,50,54	South-East Asia	
1100-1133	Mon-Fri	English	11965	100	263	49,50,54	South-East Asia	
1100-1115	Sat	Thai	11965	100	263	49	South-East Asia	
1100-1115	Daily	Mongolian	12120	200	315	32-33	East Asia	
1100-1130	Sat	Mandarin	9910	90	305	42-44	East Asia	DRM
1100-1130	Sun	English	9910	200	305	42-44	East Asia	
1115-1130	Daily	Hui	9975	200	315	42-44	East Asia	
1115-1200	Daily	Hak	9975	200	315	42-44	East Asia	
1130-1230	Sat	Japanese	9910	50	350	45	East Asia	DRM
1130-1245	Sun	Mandarin	9910	200	305	42-44	East Asia	
1200-1215	Mon-Fri	Mandarin	9910	200	305	42-44	East Asia	
1200-1215	Daily	Mandarin	9975	200	315	43-44	East Asia	
1200-1230	Mon-Sat	Burmese	12040	100	293	49	South-East Asia	
1215-1230	Mon-Sat	Nosu Yi	9975	200	315	43-44	East Asia	
1215-1245	Sun	Japanese	7500	200	320	45	East Asia	
1215-1245	Sun	Sgaw Karen	12040	100	293	49	South-East Asia	
1230-1300	Mon-Fri	Sgaw Karen	12040	100	293	49	South-East Asia	
1230-1315	Sat	Vietnamese	9975	100	293	49	South-East Asia	
1245-1300	Sun-Wed	English	11590	250	285	41	South Asia	
1245-1300	Sun	Vietnamese	9975	100	293	49	South-East Asia	
1245-1300	Sat	Dzonkha	12040	250	290	41	South Asia	
1245-1300	Sun	Manipuri	12040	250	290	41	South Asia	
1300-1305	Mon-Fri	Hindi	11590	250	285	41	South Asia	
1300-1330	Sun-Fri	Mandarin	9975	200	305	42-44	East Asia	
1305-1310	Mon-Fri	English	11590	250	285	41	South Asia	
1315-1330	Sun	Bhatri	11590	250	285	41	South Asia	
1315-1345	Mon-Fri	Korean	7510	200	320	44-45	East Asia	
1315-1345	Sat	English	7510	100	320	44-45	East Asia	
1315-1345	Sat	Mandarin	9975	200	305	42-44	East Asia	
1330-1345	Mon-Fri	Cantonese	9975	200	290	42-44	East Asia	
1345-1515	Daily	Korean	7510	200	320	44-45	East Asia	
1430-1445	Daily	Kazakh	9910	200	305	42	Central Asia	
1500-1600	Tue-Sat	Korean	9900	250	335	44-45	East Asia	
1515-1545	Sat-Mon	Korean	7510	200	320	44-45	East Asia	
1515-1615	Tue-Fri	Korean	7515	250	320	44-45	East Asia	Living Water Ministry
1545-1615	Sat	Korean	7515	250	320	44-45	East Asia	Living Water Ministry

The schedule for broadcasts in South Indian languages at 1000-1030 is:

1st/3rd Sundays: Tamil, Malayalam and Kannada

2nd/4th Sundays: Tamil, Telugu and Hindi

5th Sunday: Tamil



DIGITAL radio mondiale



Speaking Hope to the World

India

All India Radio

All India Radio, officially known as Akashvani, is the radio broadcaster of India and a division of Prasar Bharati (Broadcasting Corporation of India), an autonomous corporation of the Ministry of Information and Broadcasting.

All India Radio Regional Stations on shortwave

All India Radio regional stations broadcast in Hindi, English and the principal languages of the respective states and Union Territories. As well as programmes originating from regional studios, the regional stations also relay news broadcasts and Network programmes from Delhi. After further closures on 31 December 2021 (namely AIR Srinagar on 4950 & 6110 kHz and AIR Jeypore on 5040 kHz), the last remaining regional station on shortwave is AIR Leh.

Ladakh - AIR Leh

Ladakh is a region administered by India as a union territory, and constitutes a part of the larger Kashmir region, which has been the subject of dispute between India, Pakistan, and China since 1947. It was established on 31 October 2019, following the passage of the Jammu and Kashmir Reorganisation Act. Ladakh is bordered by the Tibet Autonomous Region to the east, the Indian state of Himachal Pradesh to the south, both the Indian-administered union territory of Jammu and Kashmir and the Pakistan-administered Gilgit-Baltistan to the west, and the southwest corner of Xinjiang across the Karakoram Pass in the far north. It extends from the Siachen Glacier in the Karakoram range to the north to the main Great Himalayas to the south. The eastern end, consisting of the uninhabited Aksai Chin plains, is claimed by the Indian Government as part of Ladakh, and has been under Chinese control since 1962.

Transmitter Site: Leh, Ladakh.

Regional Zone: North;

Languages: Ladakhi, Hindi, English, Balti, Tibetan, Urdu

Time/UTC	Days	kHz	kW	Az.	CIRAF
0155(0210su)-0430	Daily	4760	10	130	41NW
0630-0930	Daily	6000	10	130	41NW
1130-1630(1700su)	Daily	4760	10	130	41NW

International broadcasting on shortwave

All India Radio External Services

All India Radio (AIR), officially known since 1957 as Akashvani (literary meaning "Voice from the Sky"), is the national public radio broadcaster of India and is a division of Prasar Bharati. The external services of All India Radio are broadcast to countries outside India.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Target
0100-0230	Daily	Tibetan	9875	Delhi-Kingsway, NCT	100	102	42,43	Tibet
0130-0230	Daily	Indonesian	13710	Bengaluru, Karnataka	500	120	49	Indonesia
0145-0315	Daily	Nepali	11560	Delhi-Kingsway, NCT	100	102	42S	Nepal
0300-0430	Daily	Baluchi	9950	Delhi-Kingsway, NCT	100	282	41NW	Pakistan
0315-0415	Daily	Burmese	11560	Delhi-Kingsway, NCT	100	102	49	Myanmar
0430-0600	Daily	Dari	9950	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
0430-0600	Daily	Pashto	11560	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
0500-0600	Daily	Arabic	15030	Bengaluru, Karnataka	500	300	38,39	Middle East
0800-0830	Daily	Persian	15030	Bengaluru, Karnataka	500	300	40	Iran
0900-1030	Daily	Nepali	9950	Delhi-Kingsway, NCT	100	102	42S	Nepal
1030-1200	Daily	Chinese	13795	Bengaluru, Karnataka	500	060	42-44	China
1045-1215	Daily	Tibetan	11590	Delhi-Kingsway, NCT	100	102	42,43	Tibet
1215-1315	Daily	Swahili	15030	Bengaluru, Karnataka	500	240	48	East Africa
1230-1330	Daily	Baluchi	9950	Delhi-Kingsway, NCT	100	282	41NW	Pakistan
1230-1400	Daily	Pashto	11560	Bengaluru, Karnataka	500	300	40E	Afghanistan
1330-1500	Daily	Dari	9950	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
			15030	Bengaluru, Karnataka	500	300	40E	Afghanistan
1615-1730	Daily	Persian	9620	Bengaluru, Karnataka	500	300	40	Iran
1730-1930	Daily	Arabic	9620	Bengaluru, Karnataka	500	300	38,39	Middle East
1930-2030	Daily	French	9620	Bengaluru, Karnataka	500	300	27	Western Europe (DRM)
2345-0115	Daily	Chinese	13795	Bengaluru, Karnataka	500	060	42-44	China

Home Service and other languages may be heard for a few prior to the start of some External Service broadcasts.



Indonesia

Voice of Indonesia

The Voice of Indonesia is the External Service of Radio Republik Indonesia. It currently broadcasts in the 90 and 60 metre shortwave bands primarily for listeners in Asia.

Target area: primarily South-East Asia.

Time/UTC	Days	kHz	Location	kW	Az.
1000-2200	Daily	3325	Palangkaraya	50	ND
		4750	Jakarta	10	ND

Time/UTC	Days	Language	Time/UTC	Days	Language
1000-1100	Daily	English	1600-1700	Daily	Arabic
1100-1200	Daily	Chinese	1700-1800	Daily	Spanish
1200-1300	Daily	Japanese	1800-1900	Daily	German
1300-1400	Daily	English	1900-2000	Daily	Dutch
1400-1500	Daily	Indonesian	2000-2100	Daily	French
1500-1600	Daily	Chinese	2100-2200	Daily	English



Japan

Radio Nikkei

Radio Nikkei is Japan's nationwide free-to-air shortwave commercial radio station. It is operated by Nikkei Radio Broadcasting Corporation, whose main share is held by Nihon Keizai Shimbun and Tokyo Stock Exchange. The language is almost exclusively in Japanese except for an English language learning programme. The station features the following four genres as the core of its programming: finance, JRA horse racing (weekends), health-medical, and culture.

The Radio Nikkei schedules below have been compiled from information on the website of the Nagoya DXers Circle (Aoki List) and Eike Bierwirth's EiBi list.

Radio Nikkei 1

Radio Nikkei 1 is for general programmes and eastern Japan horse-racing coverage.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2220-2300	Mon-Fri	Japanese	3925	Nemuro	50	ND	45
2220-2300	Tue-Sat	Japanese	6055	Nagara	50	064	45
2300-1055	Daily	Japanese	6055	Nagara	50	064	45
0750-1430	Mon-Fri	Japanese	3925	Nemuro	50	ND	45
1055-1200	Sun-Fri	Japanese	6055	Nagara	50	064	45
1200-1430	Mon-Fri	Japanese	6055	Nagara	50	064	45
1430-1500	Mon-Thu	Japanese	3925	Nemuro	50	ND	45
			6055	Nagara	50	064	45
1500-1520	Last Wed	Japanese	3925	Nemuro	50	ND	45
			6055	Nagara	50	064	45

Radio Nikkei 2

Radio Nikkei 2 is for live company stock price announcements and western Japan horse-racing coverage. Radio Nikkei 2's programming on weekdays is named RN2 with music programmes aimed at persons in their 30s and 40s

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2330-0000	Mon-Fri	Japanese	6115	Nagara	50	50	45
0000-0800	Daily	Japanese	6115	Nagara	50	50	45
0800-1000	Mon-Fri	Japanese	6115	Nagara	50	50	45
0950-1101	Mon-Fri	Japanese	3945	Nagara	50	ND	45

International broadcasting on shortwave

KDDI Corporation

KDDI Corporation is a Japanese telecommunications operator that owns the Yamata transmitting station in Tokyo.

Transmitter site: Tokyo Yamata - 4 x 100 kW; 7 x 300 kW.

NHK World-Japan

NHK World-Japan is the international service of Japan's public media organisation NHK. It provides the latest information on Japan and Asia through television, radio and online to a global audience.



Japanese Service

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Target area
0200-0300	Daily	Japanese	11790	Yamata, Japan	300	330	23,24,33	North-East Asia
0200-0400	Daily	Japanese	6105	Issoudun, France	500	290	10,11	Central America, Caribbean
			15755	Yamata, Japan	300	270	41	South Asia
0200-0500	Daily	Japanese	15195	Yamata, Japan	300	290	43,44	East Asia
			17810	Yamata, Japan	300	235	49,50,54	South-East Asia
0300-0500	Daily	Japanese	7265	Nauen, Germany	250	140	38-40	Middle East
0700-0800	Daily	Japanese	11825	Yamata, Japan	300	290	43,44	East Asia
0700-0900	Daily	Japanese	7445	Yamata, Japan	300	085	14,16	South America
0700-1000	Daily	Japanese	15280	Yamata, Japan	300	235	49,50,54	South-East Asia
0800-1000	Daily	Japanese	15290	Issoudun, France	500	190	46,47	West Africa
0800-1600	Daily	Japanese	9750	Yamata, Japan	300	290	43,44	East Asia
1000-1500	Daily	Japanese	11815	Yamata, Japan	300	235	49,50,54	South-East Asia
1300-1400	Daily	Japanese	9795	Yamata, Japan	300	270	41	South Asia
1500-1700	Daily	Japanese	11735	Yamata, Japan	300	240	49,50,54	South-East Asia
1700-1900	Daily	Japanese	6000	Nauen, Germany	250	140	38-40	Middle East
			11945	Issoudun, France	500	155	52,57	Southern Africa
1900-2100	Daily	Japanese	15130	Issoudun, France	500	152	46-48,52,53	West & Central Africa
			9835	Yamata, Japan	300	305	29,38-40	Eastern Europe, Middle East
2000-2100	Daily	Japanese	9625	Yamata, Japan	300	175	51,55,56,59,60	Australasia
2100-2300	Daily	Japanese	11630	Yamata, Japan	300	235	49,50,54	South-East Asia
2100-0000	Daily	Japanese	11910	Yamata, Japan	300	290	43,44	East Asia

Foreign Language Services

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Target area
0100-0120	Daily	Hindi	6155	Tashkent, Uzbekistan	100	163	41	South Asia
0330-0400	Daily	Swahili	9560	Talata Volonondry, Madagascar	250	320	48,53	East Africa
0400-0430	Daily	Persian	12010	Tashkent, Uzbekistan	100	236	40	Iran
0400-0430	Daily	Chinese	11825	Yamata, Japan	300	290	43,44	East Asia
0400-0430	Daily	Spanish	5985	WRMI Okeechobee FL, USA	100	222	10-12	Central America
0415-0445	Daily	Korean	11895	Yamata, Japan	300	290	43,44	East Asia
0430-0500	Mon-Fri	English	7245	Santa Maria di Galeria, Vatican	250	175	46	Africa
			9865	Issoudun, France	500	155	53,57	Africa
0430-0500	Daily	Russian	6165	Nauen, Germany	125	085	29	Western Russia
0500-0530	Sat/Sun	English	7245	Santa Maria di Galeria, Vatican	250	175	46	Africa
			9865	Issoudun, France	500	155	53,57	Africa
0530-0600	Daily	French	7450	Issoudun, France	500	190	37,46,47	Africa
			13840	Talata Volonondry, Madagascar	250	295	37,47,52	Africa
0530-0600	Daily	Russian	11790	Yamata, Japan	300	330	23,24,33	Eastern Russia
0600-0630	Daily	Arabic	6165	Issoudun, France	500	140	37-39	N Africa, M East
1100-1130	Daily	Korean	6090	Yamata, Japan	300	290	43,44	East Asia
1100-1130	Daily	Russian	5985	Yamata, Japan	300	330	23,24,33	Eastern Russia
1115-1145	Daily	Indonesian	17830	Dhabbaya, UAE	250	105	54	South-East Asia
1130-1200	Daily	Chinese	6090	Yamata, Japan	300	290	43,44	East Asia
1200-1230	Daily	Korean	6090	Yamata, Japan	300	290	43,44	East Asia
1230-1300	Daily	Chinese	6190	Yamata, Japan	300	290	43,44	East Asia
1300-1330	Daily	Bengali	5895	Tashkent, Uzbekistan	100	131	41NE	South Asia
1300-1330	Daily	Korean	6190	Yamata, Japan	300	290	43,44	East Asia
1315-1345	Daily	Indonesian	15325	Dhabbaya, UAE	250	105	54	South-East Asia
1330-1400	Daily	Chinese	6190	Yamata, Japan	300	290	43,44	East Asia
1400-1430	Daily	English	6165	Tashkent, Uzbekistan	100	163	41	South Asia
			11925	Dhabbaya, UAE	250	090	49,50,54	South-East Asia
1400-1430	Daily	Korean	6190	Yamata, Japan	300	290	43,44	East Africa
1430-1500	Daily	Burmese	11735	Yamata, Japan	300	240	49,50,54	South-East Asia
1430-1500	Daily	Persian	13725	Issoudun, France	500	090	40	Iran
1430-1500	Daily	Hindi	15720	Talata Volonondry, Madagascar	250	035	41	South Asia
1430-1500	Daily	Chinese	6190	Yamata, Japan	300	290	43,44	East Asia
1515-1545	Daily	Urdu	9580	Dhabbaya, UAE	250	060	41NW	South Asia
1530-1600	Daily	Hindi	7565	Tashkent, Uzbekistan	100	163	41	South Asia
1730-1800	Daily	Swahili	13730	Talata Volonondry, Madagascar	250	340	48,53	East Africa
2030-2100	Daily	French	9855	Talata Volonondry, Madagascar	250	305	37,46,47,52	Africa
2130-2200	Daily	Indonesian	7355	Yamata, Japan	300	235	49,50,54	South-East Asia
2210-2230	Daily	Korean	9560	Yamata, Japan	300	290	43,44	East Asia
2230-2250	Daily	Chinese	9560	Yamata, Japan	300	290	43,44	East Asia
2230-2300	Daily	Thai	13650	Yamata, Japan	300	235	49,50,54	South-East Asia
2300-2330	Daily	Vietnamese	13650	Yamata, Japan	300	235	49,50,54	South-East Asia

JSR Shiokaze

The transmitters at Yamata are also used for shortwave broadcasts to North Korea on behalf of JSR Shiokaze. Programmes concentrate on the abduction issue of Japanese citizens by North Korea and include information on Japanese policy on North Korea and the abduction issue, messages from relatives and friends of the abductees, and familiar Japanese songs. See the entry below for North Korean target broadcasts for the schedule.

Why Yamata transmitters can not broadcast the program of "Furusato no Kaze"

Ron Howard made a very useful comment on the WOR iog on 10 June 2021: "It might be worthwhile to be reminded of a past posting by Glenn, with info from online":

Currently 3 programs "Shiokaze", "Furusato no Kaze" and "Nippon no Kaze" are broadcast towards North Korea from VT Communications, and only "Shiokaze" is transmitted from Yamata. Why can't the Yamata transmitter send the message of "Furusato no Kaze" towards North Korea?

Japanese law on broadcasting says only NHK can broadcast "international service". And government controlled the license of broadcasting – it is quite difficult to get the permission (license) of broadcasting promptly.

At the opening announcement of Shiokaze, they announce call sign as JSR. Exactly speaking, JSR is not call sign for "general" radio stations. Shiokaze got a license for a "special utility broadcast" - the same as Traffic Information Service Radio on 1620 kHz - not for "general broadcast". [So Shiokaze is not really a "clandestine" station - Ron]

In the case of "Furusato no Kaze", they get neither the license of "utility broadcast" nor "general broadcast". And NHK reject the proposal of Japanese government to broadcast "Furusato no Kaze" within the program of Radio Japan. Thus Yamata transmitter can not send message of "Furusato no Kaze." [nor can they broadcast "Nippon no Kaze" - Ron]

(note by Tony Rogers: checking DXLD, the original credit appears to be: via Roger Thauer-D, A-DX ng 30 March 2019 via BC-DX 31 March 2019 via DXLD)

Korea (North)

Radio and Television Broadcasting Committee of the Democratic People's Republic of Korea

The Radio and Television Broadcasting Committee of the Democratic People's Republic of Korea is the state-owned broadcaster of North Korea. The committee is under the Cabinet of North Korea, but its personnel is chosen and appointed by the Propaganda and Agitation Department (PAD) of the Workers' Party of Korea. All three major television stations and 200 radio stations are controlled by the committee. The exceptions are Pyongyang FM Broadcasting Station, Pyongyang Broadcasting Station, and the Voice of National Salvation, which are under the United Front Department of the Workers' Party of Korea instead. The committee also controls the Korean Central News Agency.

Korean Central Broadcasting Station

The Korean Central Broadcasting Station (KCBS) is the main domestic radio network in the DPRK. It sits under the Central Broadcasting Committee of the DPRK. KCBS broadcasts from 5am to 3am local time via a network of mediumwave and shortwave transmitters that cover the nation. The powerful transmissions can easily be heard in neighbouring countries, including South Korea where some of its frequencies are jammed. It is also relayed at certain times via the Voice of Korea, the DPRK's international shortwave service. A central programme is broadcast from Pyongyang on most transmitters through the entire broadcast day, but some are reported to carry regional programming between 2pm and 3pm. All programming is in Korean and includes music, talk and news. Main news bulletins are broadcast at 6am, 7am, 10am, midday, 3pm, 5pm, 8pm, 9pm and 10pm. (description as per Martyn Williams, northkoreatech.org, 3 November 2010, although still appears valid despite the age)

Schedule: 2000-1800 UTC, daily, in Korean.

Target area: North Korea - domestic audience.

kHz	Location	kW	Az.	Notes
2350	Sariwon	5	ND	
3205	Pyongyang	100	ND	DRM
3220	Hamnung	5	ND	
3250	Pyongyang	100	ND	
3920	Hysean	5	ND	
3959	Kanggye	5	ND	
6100	Kanggye	250	ND	
9665	Kanggye	50	ND	
11680	Kanggye	50	ND	

Note: some frequencies may be slightly offset from the nominal.



International broadcasting on shortwave

Voice of Korea

Voice of Korea is the international broadcasting service of North Korea. Until 2002 it was known as Radio Pyongyang. Most of the broadcasts are transmitted from the Kujang shortwave transmitter site, approximately 25 km from the city of Kujang. A transmitter site in Kanggye is used as well.

North Korea does not make any registrations with the HFCC so the schedule below has been compiled with reference to Ivo Ivanov's Bulgarian DX blog, Nagoya DXers Circle (Aoki) and Eike Bierwirth's EiBi list

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	Target
0300-0400	Daily	Chinese	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0300-0400	Daily	Spanish	11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0400-0500	Daily	English	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
			9730	Kujang	200	ND	East Asia
			11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0400-0500	Daily	French	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0500-0600	Daily	Chinese	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
			9730	Kujang	200	ND	East Asia
0500-0600	Daily	English	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0500-0600	Daily	Spanish	11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0600-0700	Daily	Chinese	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0600-0700	Daily	English	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
			9730	Kujang	200	ND	East Asia
0600-0700	Daily	French	11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0700-0900	Daily	Japanese	7580	Kujang	200	109	East Asia
			9650	Kujang	200	109	East Asia
0700-0900	Daily	Russian	9875	Kujang	200	028	Eastern Russia
			11735	Kujang	200	028	Eastern Russia
			15245	Kujang	200	326	Western Russia
0800-0900	Daily	Chinese	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
0900-0950	Daily	Korean (KCBS)	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
0900-1250	Daily	Japanese	6070	Kanggye	250	109	East Asia
			7580	Kujang	200	109	East Asia
			9650	Kujang	200	109	East Asia
1000-1100	Daily	English	6170	Kujang	200	028	Central & South America
			6185	Kujang	200	238	South-East Asia
			9435	Kujang	200	028	Central & South America
			9850	Kujang	200	238	South-East Asia
1100-1200	Daily	Chinese	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
1100-1200	Daily	French	6170	Kujang	200	028	Central & South America
			6185	Kujang	200	238	South-East Asia
			9435	Kujang	200	028	Central & South America
			9850	Kujang	200	238	South-East Asia
1200-1250	Daily	Korean (KCBS)	6170	Kujang	200	028	Central & South America
			6185	Kujang	200	238	South-East Asia
			9435	Kujang	200	028	Central & South America
			9850	Kujang	200	238	South-East Asia
1300-1400	Daily	Chinese	6185	Kujang	200	238	South-East Asia
			9850	Kujang	200	238	South-East Asia
1300-1400	Daily	English	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe

1400-1450	Daily	Korean (KCBS)	6185	Kujang	200	238	South-East Asia
			9850	Kujang	200	238	South-East Asia
1400-1500	Daily	French	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1400-1500	Daily	Russian	6170	Kujang	200	325	Western Russia
			9425	Kujang	200	325	Western Russia
1500-1600	Daily	Arabic	9890	Kujang	200	296	Middle East
			11645	Kujang	200	296	Middle East
1500-1600	Daily	English	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1500-1600	Daily	Russian	6170	Kujang	200	325	Western Russia
			9425	Kujang	200	325	Western Russia
1600-1700	Daily	English	9890	Kujang	200	296	Middle East
			11645	Kujang	200	296	Middle East
1600-1700	Daily	French	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1600-1700	Daily	German	6170	Kujang	200	325	Western Europe
			9425	Kujang	200	325	Western Europe
1700-1750	Daily	Korean (KCBS)	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1700-1800	Daily	Arabic	9890	Kujang	200	296	Middle East
			11645	Kujang	200	296	Middle East
1700-1800	Daily	Russian	6170	Kujang	200	325	Western Russia
			9425	Kujang	200	325	Western Russia
1800-1900	Daily	English	7570	Kujang	200	325	Western Europe
			12015	Kujang	200	325	Western Europe
1800-1900	Daily	French	7210	Kujang	200	271	Central Africa
			9875	Kujang	200	296	Middle East
			11635	Kujang	200	296	Middle East
			11910	Kujang	200	271	Central Africa
1800-1900	Daily	German	6170	Kujang	200	325	Western Europe
			9425	Kujang	200	325	Western Europe
1900-2000	Daily	English	7210	Kujang	200	271	Central Africa
			9875	Kujang	200	296	Middle East
			11635	Kujang	200	296	Middle East
			11910	Kujang	200	271	Central Africa
1900-2000	Daily	German	6170	Kujang	200	325	Western Europe
			9425	Kujang	200	325	Western Europe
1900-2000	Daily	Spanish	7570	Kujang	200	325	Western Europe
			12015	Kujang	200	325	Western Europe
2000-2050	Daily	Korean (KCBS)	6170	Kujang	200	325	Western Europe
			7210	Kujang	200	271	Central Africa
			9425	Kujang	200	325	Western Europe
			9875	Kujang	200	296	Middle East
			11635	Kujang	200	296	Middle East
			11910	Kujang	200	271	Central Africa
2000-2100	Daily	French	7570	Kujang	200	325	Western Europe
			12015	Kujang	200	325	Western Europe
2100-2300	Daily	Chinese	7235	Kujang	200	ND	North-East Asia
			9445	Kujang	200	ND	North-East Asia
			9875	Kujang	200	271	East Asia
			11635	Kujang	200	271	East Asia
2100-2200	Daily	English	7570	Kujang	200	325	Western Europe
			12015	Kujang	200	325	Western Europe
2100-2350	Daily	Japanese	7580	Kujang	200	109	East Asia
			9650	Kujang	200	109	East Asia
2200-2300	Daily	Spanish	7570	Kujang	200	325	Western Europe
			12015	Kujang	200	325	Western Europe

2300-2350	Daily	Korean (KCBS)	7235	Kujang	200	ND	North-East Asia
			7570	Kujang	200	325	Western Europe
			9445	Kujang	200	ND	North-East Asia
			9875	Kujang	200	271	East Asia
			11635	Kujang	200	271	East Asia
			12015	Kujang	200	325	Western Europe

Pyongyang Broadcasting Station (Pyongyang Pansong)

The Pyongyang Broadcasting Station is part of the Radio & TV Broadcasting Committee of the DPRK for Korean listeners in South Korea, China and Japan.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	Target
2100-1800	Daily	Korean	3320	Pyongyang	50	ND	East Asia
			4557	Pyongyang	50	ND	East Asia
			6160	Kanggye	50	ND	East Asia
1800-1900	Daily	Korean	3220	Hamnung	5	ND	East Asia
			3320	Pyongyang	50	ND	East Asia
			4557	Pyongyang	50	ND	East Asia
1900-2000	Daily	Korean	3220	Hamnung	5	ND	East Asia
			4557	Pyongyang	50	ND	East Asia

Target broadcasts on shortwave to North Korea

JSR Shiokaze (Sea Breeze)

Shiokaze (Sea Breeze) broadcasts to North Korea and is operated by the independent investigating organisation "Investigation Commission on Missing Japanese Probably Related to North Korea", regarding persons believed to have been abducted by North Korea prior to 1983. The daily shortwave radio programme broadcast from Tokyo highlights the plight of those who were kidnapped. It is compiled in an office owned by the group which campaigns to keep the issue in the public eye and supports the families of those abducted. JSR Shiokaze radio is broadcast twice a day for 30 minutes. There are editions in Japanese, Korean, English and Chinese, and they include the latest news about the abduction issue, messages to those abducted and appeals for help in finding them.

Frequencies: please note that frequencies are rotated on a monthly basis. Those listed below are the ones in use at the time of editing but will change to alternatives in the range 5920-7295.

Target area: North Korea.

Schedule effective since 26 January 2022

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1300-1400	Daily	as below	5930	Yamata, Japan	300	290	44E
			7335	Yamata, Japan	300	290	44E
1405-1435	Daily	as below	6095	Yamata, Japan	300	290	44E
			7280	Yamata, Japan	300	290	44E
1600-1700	Daily	as below	6135	Yamata, Japan	300	290	44E
			7285	Yamata, Japan	300	290	44E

Language schedule

1300-1330 and 1600-1630	Mon/Tue/Sat/Sun	in Japanese
1300-1330 and 1600-1630	Wed/Fri	in Korean
1300-1330 and 1600-1630	Thu	in English
1330-1400 and 1630-1700	Mon/Tue	in Japanese
1330-1400 and 1630-1700	Wed/Fri/Sat/Sun	in Korean
1330-1400 and 1630-1700	Thu	in English

1405-1435 Daily in Japanese. The daily broadcast at 1405-1435 starts and ends with announcements from Shiokaze but the actual programme content is from Furusato no Kaze (see schedule below for other broadcasts from Furusato no Kaze)

Programmes are repeated quite often on Shiokaze.



Nippon no Kaze / Furusato no Kaze

Nippon no Kaze and Furusato no Kaze (Wind from Japan and Wind from the Homeland) are programmes broadcast in Korean and Japanese to the DPRK. Content includes information on Japanese policy on North Korea and the abduction issue, messages from relatives and friends of the abductees, and familiar Japanese songs.

Target area: North Korea.

Time/UTC	Days	Service	Language	kHz	Transmitter site	kW	Az.	CIRAF
1300-1330	Daily	Nippon no Kaze	Korean	7295	Tanshui, Taiwan	300	352	44E
				7585	Tashkent, Uzbekistan	100	076	44E
				9705	Paochung, Taiwan	300	002	44E
1330-1400	Daily	Furusato no Kaze	Japanese	7295	Tanshui, Taiwan	300	352	44E
				7585	Tashkent, Uzbekistan	100	076	44E
				9705	Paochung, Taiwan	300	002	44E
1430-1500	Daily	Furusato no Kaze	Japanese	7290	Tanshui, Taiwan	300	352	44E
				7525	Tashkent, Uzbekistan	100	076	44E
				9560	Paochung, Taiwan	300	002	44E
1500-1530	Daily	Nippon no Kaze	Korean	7290	Tanshui, Taiwan	300	352	44E
				7550	Tashkent, Uzbekistan	100	076	44E
				9800	Paochung, Taiwan	300	002	44E
1530-1600	Daily	Nippon no Kaze	Korean	7290	Tanshui, Taiwan	300	352	44E
				7550	Tashkent, Uzbekistan	100	076	44E
				9800	Paochung, Taiwan	300	002	44E
1600-1630	Daily	Furusato no Kaze	Japanese	5945	Tashkent, Uzbekistan	100	076	44E
				6045	Tanshui, Taiwan	300	352	44E
				9690	Paochung, Taiwan	300	002	44E
1630-1700	Daily	Nippon no Kaze	Korean	6155	Tanshui, Taiwan	300	352	44E
1700-1730	Daily	Furusato no Kaze	Japanese	6155	Tanshui, Taiwan	300	352	44E
1730-1800	Daily	Nippon no Kaze	Korean	5820	Tashkent, Uzbekistan	100	076	44E
1800-1830	Daily	Nippon no Kaze	Japanese	5820	Tashkent, Uzbekistan	100	076	44E

For the latest news about Shiokaze, Nippon no Kaze, Furusato no Kaze and others, please see Hiroshi's excellent site "[Radio broadcasting from overseas](#)" (in Japanese but easy to translate into English using Google Translate).

海外からのラジオ放送

Radio broadcasting from overseas

Voice of America and Radio Free Asia

Voice of America (VOA) is an American international broadcaster funded by the United States Congress. It is the largest and oldest U.S. funded international broadcaster. VOA produces programmes for audiences in North Korea. Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to several countries in Asia with poor media environments and few, if any, free speech protections. This includes North Korea.

Target area: North Korea.

Time/UTC	Days	Station	Language	kHz	Transmitter site	kW	Az.	CIRAF
1200-1300	Daily	Voice of America	Korean	7465	Tinang, Philippines	250	021	44NE
				9490	Tinang, Philippines	250	021	44NE
				11570	Tinang, Philippines	250	021	44NE
1200-1300	Daily	Radio Free Asia	Korean	9700	Paochung, Taiwan	300	002	44NE
1300-1400	Daily	Voice of America	Korean	9800	Tinang, Philippines	250	021	44NE
				9985	Saipan, Northern Marianas	100	310	44NE
				11570	Tinang, Philippines	250	021	44NE
1300-1400	Daily	Radio Free Asia	Korean	9460	Paochung, Taiwan	300	002	44NE
1400-1500	Daily	Voice of America	Korean	9800	Tinang, Philippines	250	021	44NE
				9985	Saipan, Northern Marianas	100	325	44NE
				11570	Saipan, Northern Marianas	100	325	44NE
1500-1700	Daily	Radio Free Asia	Korean	9985	Saipan, Northern Marianas	100	325	44NE
				11510	Tinian, Northern Marianas	250	329	44NE
				11550	Saipan, Northern Marianas	100	325	44NE
1700-1900	Daily	Radio Free Asia	Korean	9985	Saipan, Northern Marianas	100	325	44NE
				11550	Saipan, Northern Marianas	100	325	44NE
				7465	Tinang, Philippines	250	021	44NE
1900-2100	Daily	Voice of America	Korean	9800	Tinang, Philippines	250	021	44NE
				9975	Tinian, Northern Marianas	250	329	44NE
				9940	Tinian, Northern Marianas	250	329	44NE
2100-2200	Daily	Radio Free Asia	Korean	9985	Saipan, Northern Marianas	100	325	44NE
				11945	Saipan, , Northern Marianas	100	325	44NE

Committee for the Democratization of North Korea (CDNK)

CDNK is a broadcast from the Committee for the Democratization of North Korea. It was launched on 2 March 2021.

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1400-1430	Tue/Thu/Sat	Korean	6085	Tashkent, Uzbekistan	100	076	44W

Echo of Hope

Echo of Hope is operated by South Korea's National Intelligence Service and broadcasts news and information to NK.

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0000-0400	Daily	Korean	4890	Seoul, South Korea	100	ND	44E
			6250	Seoul, South Korea	10	010	44E
			9105	Seoul, South Korea	10	010	44E
0400-0800	Daily	Korean	3985	Hwaseong, South Korea	100	ND	44E
			5995	Hwaseong, South Korea	100	ND	44E
			6350	Hwaseong, South Korea	100	ND	44E
0800-0000	Daily	Korean	3985	Hwaseong, South Korea	100	ND	44E
			4890	Seoul, South Korea	100	ND	44E
			5995	Hwaseong, South Korea	100	ND	44E
			6250	Seoul, South Korea	10	010	44E
			6350	Hwaseong, South Korea	100	ND	44E
			9105	Seoul, South Korea	10	010	44E

Note: transmitters switch to adjacent frequencies (+/- 5 kHz) to avoid North Korean jamming.

Living Water Ministry Broadcasting

Living Waters Gospel Broadcasts is involved in a variety of activities "to spread the good news to the unreached through TV gospel transmission, Radio gospel broadcasts and Emmaus Bible Study literature".

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1515-1615	Tue-Fri	Korean	7515	KTWR, Agana, Guam	250	320	44-45
1545-1615	Sat	Korean	7515	KTWR, Agana, Guam	250	320	44-45

National Unity Radio / Radio Free Chosun

National Unity Radio is part of the Unification Media Group (UMG), a news and entertainment production organisation focused on North Korea. UMG produces and broadcasts news, civic education and cultural programmes.

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1100-1300	Daily	Korean	6115	Tanshui, Taiwan	300	352	44E
2100-2200	Daily	Korean	5985	Tanshui, Taiwan	300	002	44E

North Korea Reform Radio

Since 2007, NKRR has broadcast to DPRK. The primary target audience is North Korea's elite population (military officers, intellectuals, university students) in order to educate the future leaders of North Korea and help them access external information, so that they can lead the internal reform themselves while promoting ideals of democracy and freedom.

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1400-1500	Daily	Korean	7590	Tashkent, Uzbekistan	100	076	44E
2000-2100	Daily	Korean	7590	Tashkent, Uzbekistan	100	076	44E

Radio Free North Korea

Radio Free North Korea is an independent radio broadcaster based in Seoul, South Korea. The station is run primarily by North Korean refugees and defectors and broadcasts news and information to the general population inside North Korea. The radio was established by Kim Seong-min, a former North Korean military monitor for foreign broadcasts, who was influenced by the foreign broadcasts that he monitored and defected from North Korea in 1996.

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1300-1400	Daily	Korean	9910	Tashkent, Uzbekistan	100	076	44E
2000-2100	Daily	Korean	7540	Tashkent, Uzbekistan	100	076	44E

Sae Nala Bangsong

An entry for this appears in the WRTH A21 update for May 2021. It is marked as a religious broadcast in Korean.

Target area: North Korea.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1730-1800	Tue/Thu/Sun	Korean	5925	Tashkent, Uzbekistan	100	076	44E

Voice of Freedom

Voice of Freedom is operated by South Korea's Ministry of Defence.

Target area: North Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0800-0400	Daily	Korean	5920 (alt 6045)	Hwaseong, South Korea	10	ND	44E

Voice of the People

Voice of the People is operated by South Korea's National Intelligence Service and broadcasts news and information to listeners in North Korea.

Target area: North Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
24 hours	Daily	Korean	3480	Kyonggi-do Koyang, South Korea	50	ND	44E
			3910	Kyonggi-do Koyang, South Korea	50	ND	44E
			3930	Kyonggi-do Koyang, South Korea	50	ND	44E
			4450	Kyonggi-do Koyang, South Korea	50	ND	44E
			6520	Kyonggi-do Koyang, South Korea	50	ND	44E
			6600	Kyonggi-do Koyang, South Korea	50	ND	44E

Voice of the Martyrs

Voice of the Martyrs is a Christian broadcasting service aimed at North Korea. The VOTM website states "We've recently been updating the way in which we broadcast into NK. We learned that TV news broadcasting in NK has more of the sound of our old style broadcast but radio broadcasting in NK is using warmer personal voices these days. Our broadcast is pioneering the use of a combined NK/SK announcing corps, with NKs and SKs interacting about the Bible and the Christian faith in friendly voices".

Target area: North Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1200-1230	Daily	Korean	9930	Tashkent, Uzbekistan	100	076	44E
1530-1600	Daily	Korean	7530	Tashkent, Uzbekistan	100	076	44E
2100-2130	Daily	Korean	7550	Tashkent, Uzbekistan	100	076	44E

Voice of Wilderness

Voice of Wilderness is a programme produced by Cornerstone Ministries International. This ministry is organised to support the persecuted church in any nation restricting the propagation of the Gospel.

Target area: North Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1400-1500	Daily	Korean	9380	Tashkent, Uzbekistan	100	076	44E
1500-1530	Sun	Korean	9380	Tashkent, Uzbekistan	100	076	44E

Korea (South)

International broadcasting on shortwave

KBS World Radio

KBS World Radio is the official international broadcasting station of South Korea. Owned by the Korean Broadcasting System, the station broadcasts news and information in 11 languages

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0100-0200	Daily	Japanese	9580	Kimje, South Korea	250	081	45	East Asia
0100-0200	Daily	Spanish	11880	Greenville NC, USA	250	176	12,14	South America
0200-0300	Daily	English	9580	Kimje, South Korea	250	081	45	East Asia
0200-0300	Daily	Japanese	11810	Kimje, South Korea	250	081	45	East Asia
0200-0300	Daily	Spanish	15575	Kimje, South Korea	250	040	1,2,6	North America
0700-0800	Daily	Korean	7445	Woofferton, UK	250	105	28	Western Europe
			9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
0800-0900	Daily	Japanese	6155	Kimje, South Korea	100	ND	44,45	East Asia
			7275	Kimje, South Korea	250	ND	44,45	East Asia
0800-1030	Daily	English	9770	Kimje, South Korea	100	225	44S,49SE,50,54N	South-East Asia
0900-1000	Daily	Korean	7275	Kimje, South Korea	250	ND	44,45	East Asia
			9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
			15160	Kimje, South Korea	250	290	39E,40	Middle East
1000-1100	Daily	Japanese	6095	Kimje, South Korea	100	ND	42-44	East Asia
1030-1100	Daily	Vietnamese	9770	Kimje, South Korea	250	225	44S,49,50	South-East Asia
1100-1200	Daily	Korean	7275	Kimje, South Korea	250	ND	44,45	East Asia
1100-1200	Daily	Spanish	11795	Kimje, South Korea	250	096	45	South-East Asia
1130-1230	Daily	Chinese	6095	Kimje, South Korea	250	290	29SE,30S,39,40	Middle East
			9770	Kimje, South Korea	250	225	44S,49,50	South-East Asia
1200-1300	Daily	Indonesian	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia

1300-1400	Daily	English	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
			15575	Kimje, South Korea	250	040	1,2,6	North America
1300-1400	Daily	Russian	9645	Kimje, South Korea	100	319	30N,31N,32N	Central Russia
1400-1500	Daily	English	9630	Kimje, South Korea	250	264	41	South Asia
1400-1500	Daily	Indonesian	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
1400-1500	Daily	Korean	15575	Kimje, South Korea	250	040	1,2,6	North America
1500-1600	Daily	English	9515	Kimje, South Korea	250	304	28,29	Europe
			9630	Kimje, South Korea	250	264	41	South Asia
1530-1600	Daily	Vietnamese	9640	Kimje, South Korea	100	225	43SE,44S,49	South-East Asia
1600-1700	Daily	Korean	7275	Kimje, South Korea	250	305	28,39N,30-33,42,43N,44NW	EuMEAs
			9740	Kimje, South Korea	250	290	39E,40	Middle East
1600-1700	Daily	English	9515	Kimje, South Korea	250	304	28,29	Europe
			9640	Kimje, South Korea	100	225	43SE,44S,49	South-East Asia
1700-1900	Daily	Korean	9515	Kimje, South Korea	250	304	28,29	Europe
1800-1900	Daily	Russian	6040	Woofferton, UK	250	075	29N,29SE	Western Russia
1800-1900	Daily	Spanish	9740	Kimje, South Korea	250	290	37NW	Europe
2000-2100	Daily	Arabic	6090	Wofferton, UK	250	172	37S	North Africa
2000-2100	Daily	German	3955	Wofferton, UK	250	114	28NW	Europe
2000-2100	Daily	French	5950	Issoudun, France	250	180	37NE,37S,38,46N,47NW	Africa
2100-2200	Daily	French	3955	Wofferton, UK	250	114	27SE	Europe
2200-2300	Daily	English	11810	Kimje, South Korea	250	304	28S,31,32,38N,39NW,43,44	EuMEAs
2300-0000	Daily	Chinese	7215	Kimje, South Korea	250	290	43,44	East Asia

KBS Korean Global Network

The Global Korean Network is a service of KBS for ethnic Koreans living outside of South Korea.

Target area: East Asia

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0350-0000	Daily	Korean	6015	Hwaeseong, South Korea	100	ND	44N

Target broadcasts on shortwave to South Korea

Echo of Unification

Echo of Unification is a North Korean propaganda radio station targeting listeners in South Korea.

Target area: South Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0400-0600	Daily	Korean	3945	Pyongyang, North Korea	100	ND	44E
			3970	Chongjin-Nanam, North Korea	5	ND	44E
			5905	Pyongyang, North Korea	100	ND	44E
1200-1400	Daily	Korean	3945	Pyongyang, North Korea	100	ND	44E
			3970	Chongjin-Nanam, North Korea	5	ND	44E
			5905	Pyongyang, North Korea	100	ND	44E
2200-0000	Daily	Korean	3945	Pyongyang, North Korea	100	ND	44E
			3970	Chongjin-Nanam, North Korea	5	ND	44E
			5905	Pyongyang, North Korea	100	ND	44E

Kyrgyzstan

Public Broadcasting Corporation of the Kyrgyz Republic

The Public Broadcasting Corporation of the Kyrgyz Republic (KTRK) is the public broadcasting corporation of Kyrgyzstan.

Birinci Radio (First Programme)

The First Programme is called Birinci Radio, broadcasting news, information and sports.

Transmitter site: Bishkek-Krasnaya Rechka.

Target area: Kyrgyzstan - domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
0000-1800	Daily	Kyrgyz/Russian	4010v	100	ND

The following are carried on Birinci Radio as follows (as per Kyrgyz Radio website and monitoring observations):

<i>UTC</i>	<i>Days</i>	<i>Programme</i>	<i>UTC</i>	<i>Days</i>	<i>Programme</i>
0000	Daily	Sign-on (0600 local time)	1400-1500	Daily	Radio Liberty (RFE/RL) in Kyrgyz
0330-0430	Daily	Radio Liberty (RFE/RL) in Kyrgyz	1500-1506	Sat/Sun	BBC WS News in English
0800-0900	Mon-Fri	"Chinese Window" (in Kyrgyz?)	1500-1530	Mon-Fri	BBC Kyrgyz
0900-0930	Daily	Radio Liberty (RFE/RL) in Kyrgyz	1530-1600	Daily	Radio Liberty (RFE/RL) in Kyrgyz
0930-1000	Daily	Voice of Turkey in Kyrgyz	1600-1606	Mon-Fri	BBC WS News in English
1000-1004	Sat/Sun	BBC WS Sports News in English	1600-1700	Sat/Sun	"Chinese Window" (in Kyrgyz?)
1005-1009	Mon-Fri	BBC WS Sports News in English	1800	Daily	Sign-off (0000 local time)
1300-1330	Mon-Fri	BBC Kyrgyz			

Kyrgyz Radiosu (Second Programme)

Kyrgyz Radiosu is the Second Programme of KTRK with an emphasis on culture and education. The last report of Kyrgyz Radio 2 on 4820 kHz (Bishkek-Krasnaya Rechka - 15 kW) appears to have been in early 2020 and the service is assumed to be inactive now on shortwave.

International broadcasts on shortwave

Kyrgyztelekom shortwave transmitter

This low power shortwave transmitter at Krasnaya Rechka (reported to be 15 kW) is owned and operated by Kyrgyztelekom. It is heard with a relay of "Sedaye Zindagi" (Voice of Life), a Christian programme of Pamir Ministries in Dari for listeners in Afghanistan, which is preceded by a Christian programme that appears to be in a Central Asian language (presumably unrelated to Pamir Ministries).

Transmitter site: Bishkek-Krasnaya Rachka, Kyrgyzstan.

Time/UTC	Days	Service	Language	kHz	kW	Az.	Target area
1500-1600	Daily	unknown religious programme	Central Asian?	5130	15	ND	Central Asia?
1600-1800	Daily	Sedaye Zindagi	Dari	5130	15	ND	Afghanistan

Laos

Lao National Radio

Lao National Radio is the national radio station of Laos. The transmitter of LNR on 6130 kHz (Vientiane 50 kW) has not been reported since 2020. It was scheduled at 2200-0800 and 0900-1630 and included foreign language programmes in Chinese (1400-1430), English (1430-1500), French (1500-1530), Thai (1530-1600) and Vietnamese (1600-1630).

On 8 May 2021, Ron Howard wrote: "6130, LNR. Recently emailed the Director General of Lao National Radio (Phosy Keomanivong), saying in part: "For a long time now I have noted the absence of LNR on SW. I hope that you will again be able to transmit on 6130 kHz. in the near future. Your presence on SW is greatly missed!" No reply yet. Thanks to Mauno Ritola, for his encouragement to contact LNR. Now with the temporary absence of Xizang PBS (Tibet - Lhasa), it is especially clear that LNR is not broadcasting on 6130". (Xizang PBS is back on 6130 kHz after its temporary absence but LNR has sadly not returned - TR)

Malaysia

Sarawak FM

Sarawak FM (formerly known as Radio Malaysia Sarawak (RMS)) is a Malay language-state radio station operated by Radio Televisyen Malaysia. The station covers the whole of Sarawak with a 24 hour broadcast which airs Malaysian and international music. Sarawak FM is also relayed on shortwave.

Transmitter site: Kajang, West Malaysia.

Target area: Malaysia - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2200-1400	Daily	Malay	9835	100	093	54NE

Wai FM

Wai FM is a, Iban-language radio station in Sarawak operated by Radio Televisyen Malaysia. RTM caused outcry in August 2020 when it switched from the existing programme format that was popular with Iban-speaking listeners in the state and the decision was quickly reversed when Malaysian government ministers intervened. Wai FM is also relayed on shortwave.

Transmitter site: Kajang, West Malaysia - 100 kW.

Target area: Malaysia - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2200-1400	Daily	Iban	11665	100	025	44N,45NW



Federated States of Micronesia

The Cross

The Cross is the radio station of Pacific Missionary Aviation. Their website says that the shortwave service "is currently down as we are awaiting an engineer and parts". Its assigned frequency is 4755 kHz.

Mongolia

Mongolian National Broadcaster

The Mongolian National Broadcaster (MNB) is the official state-funded broadcaster in Mongolia.

P3 - FM 100.9

P3 is the only domestic radio service in Mongolia that has been broadcast on shortwave in recent times. However, it appears not to have been reported since October 2020 and it's current status is subject to confirmation. The frequencies are 4895 kHz (Moron 10 kW) and 7260 kHz (Khonkhor 50 kW).

International broadcasts on shortwave

Voice of Mongolia

Voice of Mongolia is the official international broadcasting station of Mongolia, operated by MNB.

Transmitter site: Ulaanbaatar with one 250 kW shortwave transmitter; Voice of Mongolia is also heard on Shortwaveservice in Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0900-0930	Daily	English	12085	Ulaanbataar, Mongolia	250	178	43,44,49	South-East Asia
0930-1000	Daily	Mongolian	12085	Ulaanbataar, Mongolia	250	116	45	East Asia
1000-1030	Daily	Chinese	12085	Ulaanbataar, Mongolia	250	116	45	East Asia
1030-1100	Daily	Japanese	12085	Ulaanbataar, Mongolia	250	116	45	East Asia
1200-1230	Daily	English	6005	Kall-Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1400-1430	Daily	Mongolian	12015	Ulaanbataar, Mongolia	250	178	43,44,49	East/SE Asia
1430-1500	Daily	Chinese	12015	Ulaanbataar, Mongolia	250	178	43,44,49	East/SE Asia
1500-1530	Daily	Japanese	12015	Ulaanbataar, Mongolia	250	116	45	East Asia
1530-1600	Daily	English	12015	Ulaanbataar, Mongolia	250	116	45	East Asia

Myanmar

Myanma Radio - National Programme

Myanma Radio is part of Myanma Radio and Television, the state-operated broadcasting service in Myanmar.

Transmitter site: Yangon (it appears that a second transmitter is currently inactive).

Target area: Burma - domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>
2300-0130	Daily	Burmese	5985	50
0130-0230	Daily	Burmese	9730	50
0230-0330	Daily	English	9730	50
0330-0700	Daily	Burmese	9730	50
0700-0730	Daily	English	9730	50
0730-1130	Daily	Burmese	9730	50
1150-1530	Daily	Burmese	5985	50
1530-1630	Daily	English	5985	50
1630-1700	Daily	Burmese	5985	50

Programmes from foreign broadcasters on 5985 kHz (subject to confirmation; times may vary)

1445-1505 Wed/Sat NHK World Japan Burmese

1530-1600 Wed Voice of America Learning English

Myanma Radio - Minorities Service

Aside from Myanmar (Burmese) and its dialects, the hundred or so languages of Myanmar include Shan (Tai, spoken by 3.2 million), Karen languages (spoken by 2.6 million), Kachin (spoken by 900,000), Thamizh (spoken by 1.1 Million), various Chin languages (spoken by 780,000), and Mon (Mon-Khmer, spoken by 750,000). Most of these languages use the Myanmar (Burmese) script. In Myanmar, usage of its minority languages is discouraged.

Transmitter site: Naypyidaw.

Target area: Burma - domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
2300-1700	Daily	Minority languages	5915	50	356

Thazin Radio

Thazin Radio is operated by the Burmese military. It is based in Pyin Oo Lwin, a scenic hill town in the Mandalay Region, which has approximately 10,000 Indian and 8,000 Gurkha inhabitants who settled there during British rule. Today, Pyin Oo Lwin has a thriving Eurasian community, consisting mostly of Anglo-Burmese and Anglo-Indians. There is also a diverse mix of Chinese, Chin, Kachin, Karen, Shan, Bamars (Burmese) and communities.

Main Programme

Transmitter site: Pyin Oo Lwin, Mandalay Region.

Target area: Burma - domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
2330-0130	Daily	Burmese	6030	50	356
0130-0200	Daily	English	6030	50	356
0430-0630	Daily	Burmese	9460	50	356
0630-0700	Daily	English	9460	50	356
0930-1430	Daily	Burmese	6165	50	356
1430-1500	Daily	English	6165	50	356

The Minorities Programme which operates on 6165 kHz at 2330-0030, 9590 kHz at 0130-0230 and 0430-0530, and 7345 kHz at 0930-1030 UTC has not been confirmed recently and may be inactive.

Selected target broadcasts to Myanmar

Voice of America and Radio Free Asia

Voice of America (VOA) is an American international broadcaster funded by the United States Congress. It is the largest and oldest U.S. funded international broadcaster. VOA produces programmes for audiences in Burma. Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to several countries in Asia with poor media environments and few, if any, free speech protections. This includes Burma.

Target area: Burma & environs.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2330-0030	Daily	Voice of America	Burmese	6150	Udon Thani, Thailand	250	280	49W
				9335	Tinang, Philippines	250	283	49W
				9380	Tinang, Philippines	250	270	49W
0030-0130	Daily	Radio Free Asia	Burmese	7340	Dhabbaya, UAE	250	090	49W
				7510	Dushanbe , Tajikistan	200	125	49W
				15110	Tinian, Northern Marianas	250	289	49W
				15250	Paochung, Taiwan	250	205	49W
0130-0230	Daily	Voice of America	Burmese	9355	Udon Thani, Thailand	250	280	49W
				11820	Tinang, Philippines	250	283	49W
				15110	Tinang, Philippines	250	283	49W
0200-0300	Daily	Radio Free Asia	Burmese	15250	Paochung, Taiwan	250	205	49W
0230-0330	Daily	Voice of America	Burmese	9355	Udon Thani, Thailand	250	280	49
				15235	Tinang, Philippines	250	283	49
				17525	Tinang, Philippines	250	283	49
0700-0800	Daily	Radio Free Asia	Burmese	15320	Saipan, Northern Marianas	100	285	49W
				17815	Tinian, Northern Marianas	250	289	49W
1130-1200	Mon-Fri	Radio Free Asia	Rohingya	12030	Tinang, Philippines	250	283	49W
				12125	Udon Thani, Thailand	250	304	49W
				15715	Udon Thani, Thailand	250	300	49W
1200-1230	Daily	Voice of America	Burmese	11965	Tinang, Philippines	250	270	49W
				15560	Tinang, Philippines	250	270	49W
				17680	Tinang, Philippines	250	270	49W
1230-1330	Daily	Radio Free Asia	Burmese	11795	Saipan, Northern Marianas	100	270	49W
				15120	Umm al-Rimam, Kuwait	250	094	49W
				15135	Dhabbaya, UAE	250	090	49W
1330-1400	Daily	Radio Free Asia	Burmese	11795	Umm al-Rimam, Kuwait	250	094	49W
				12055	Tinian, Northern Marianas	250	289	49W
				13750	Tinian, Northern Marianas	250	280	49W
1400-1430	Daily	Radio Free Asia	Burmese	11795	Umm al-Rimam, Kuwait	250	094	49W
				12055	Tinian, Northern Marianas	250	280	49W
1430-1530	Daily	Voice of America	Burmese	9335	Tinang, Philippines	250	270	49W
				11870	Tinang, Philippines	250	270	49W
				15450	Tinang, Philippines	250	283	49W
1530-1630	Daily	Voice of America	Burmese	9335	Tinang, Philippines	250	270	49W
				9385	Tinang, Philippines	250	283	49W
				11870	Tinang, Philippines	250	270	49W
1630-1730	Daily	Radio Free Asia	Burmese	9335	Tinang, Philippines	250	270	49
1730-1800	Daily	Radio Free Asia	Burmese	9335	Udon Thani, Thailand	250	300	49

BBC Burmese

Target area: Burma & environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1330-1430	Daily	Burmese	5845	Kranji, Singapore	100	340	49NW - DRM

The scheduled BBC Burmese programme at 0000-0030 UTC on 7465 9560 and 17800 kHz has been replaced by BBC World Service in English.

NHK World Japan

Target area: Burma & environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1430-1500	Daily	Burmese	11735	Yamata, Japan	300	240	49,50,54
2330-0000	Daily	Burmese	13650	Yamata, Japan	300	235	49,50,54

Radio NUG, Voice of the National Unity Government of Myanmar

Various tests were conducted from May 2021 directed to Myanmar, with broadcasts under the name of the Radio NUG commencing in August 2021. The schedule below is believed to be in use at the time of editing.

Target area: Burma & environs.

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	CIRAF
0200-0230	Daily	Burmese	17790	Paochung, Taiwan	250	205	49NW
1400-1430	Daily	Burmese	11940	Paochung, Taiwan	250	205	49NW



Supporters of Myanmar opposition launch radio channel

Excerpts from VOA News report, 27 August 2021

WASHINGTON - A radio station supported by Myanmar's shadow government has aired its first broadcasts as part of an effort to keep the country informed nearly seven months into the coup. Radio NUG airs for 30 minutes twice daily on a shortwave band that smaller transistor devices, including 10-band radios, can easily receive.

The station plans to cover the National Unity Government (NUG); human rights abuses allegedly perpetrated by the junta; and the civil disobedience movement, a pro-democracy campaign that leads anti-coup protests around the country. The NUG is a shadow government made up of members of the ousted National League for Democracy, activists and others from ethnic minorities. It was formed after the military claimed control in a February coup, ousted the democratically elected leadership and arrested senior politicians.

The NUG does not officially run the radio channel, but it is providing guidance to supporters who set up the station, according to Htin Linn Aung, the NUG minister of communications, information and technology. "We [the NUG] have to let them know what we are doing - how we are trying to restore democracy in Burma," Aung, who is living in the United States, told VOA. Burma is another name for Myanmar.

Banned from the start

Myanmar's military leaders outlawed the station on the day it first broadcast. The junta's Ministry of Information issued a statement in state media saying that those working with or supporting Radio NUG "will have action taken against them in accordance with the law."

Myanmar's military has historically limited press freedom. But since the overthrow of the civilian-led government in February, the military has targeted journalists, rights groups say.

Radios allegedly confiscated

The current media landscape in Myanmar makes Radio NUG even more important because Myanmar completely lacks press freedom, said Aung, the NUG communications minister. Using radio also means the station can reach listeners even if authorities cut access to the internet. "This could be the perfect medium for the Myanmar public to keep receiving free information," East Asia bureau head of Reporters Without Borders Cédric Alviani told VOA. "This is a very traditional resistance medium."

Some local news websites reported an increase in people buying radio receivers since the station launched. But at least one news website reported that the [military had confiscated radios](#) following the launch of the channel. VOA was not able to verify those reports.

The identities of those running the channel are not publicly available because of safety concerns, and Aung said he is worried that those working with Radio NUG could face retaliation. He declined to say where broadcasts originate.

Still, Alviani and Aung both said the response from the military shows it fears a free press. "The fact the regime immediately tries to confiscate these radio receivers shows how much they fear the power of free information," Alviani told VOA.

VOA Burma contributed to this report.

Mizzima Radio

Ivo Ivanov in his Bulgarian SW blog reported a new station to Myanmar on 9 December 2021 and Rob Wagner identified it as Mizzima Radio on 11 January 2022:

Target area: Burma & environs.

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	CIRAF
1200-1300	Daily	Burmese	17730	Dhabbaya, UAE	250	090	49NW

A new clandestine station began broadcasts on shortwave around January 1. The station is called Mizzima Radio and is on the air on a daily basis via the Encompass DM transmitter at Dhabayya, United Arab Emirates.

However, the organisation behind Mizzima Radio is not new!

<https://medxr.blogspot.com/2022/01/new-station-on-shortwave-mizzima-radio.html>

(Rob Wagner, Vic. via Glenn Hauser, WOR iog)

Nepal

Radio Nepal

Radio Nepal is the state-owned radio broadcasting service of Nepal. The shortwave transmitter that last operated on Radio Nepal's longstanding frequency of 5005 kHz has been decommissioned. It was last reported in early 2019.

New Zealand

International broadcasts on shortwave

RNZ Pacific

RNZ Pacific (formerly Radio New Zealand International or RNZI) is a division of Radio New Zealand and the official international broadcasting station of New Zealand. It broadcasts a variety of news, current affairs and sport. The station's mission statement requires it to promote and reflect New Zealand in the Pacific and better relations with Pacific countries.

Transmitter site: Rangitaiki - 1 x 100 kW (operating at 50 or 100 kW); [35 kW DRM](#).

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target (as per RNZ Pacific)
0000-0658	Daily	English	15720	50	035	61S,62,63W	Pacific
0659-0858	Daily	English	11725	50	035	61S,62,63W	Pacific
0859-1258	Mon-Fri	English	11725	100	325	51,56,64S,65S	NW Pacific Solomon Isl PNG
0859-1258	Sat/Sun	English	11725	50	035	61S,62,63W	Pacific
1259-1650	Daily	English	7390	50	035	61S,62,63W	Pacific
1651-1935	Sun-Fri	English	9780	35	036	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1651-1935	Sun-Fri	English	11725	50	036	61S,62,63W	Tonga Niue Samoa Cook Islands
1651-1758	Sat	English	7390	50	035	61S,62,63W	Pacific
1759-1958	Sat	English	11725	50	035	61S,62,63W	Pacific
1836-1935	Sun-Fri	English	11690	35	035	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1836-1935	Sun-Fri	English	11725	50	035	61S,62,63W	Tonga Niue Samoa Cook Islands
1936-2058	Sun-Fri	English	13840	35	035	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1936-2058	Sun-Fri	English	11725	50	035	61S,62,63W	Tonga Niue Samoa Cook Islands
1959-2258	Sat	English	13840	50	035	61S,62,63W	Pacific
2059-0000	Daily	English	13840	50	035	61S,62,63W	Pacific

Northern Mariana Islands

International broadcasts on shortwave

USAGM Northern Marianas "Robert E Kamosa" Transmitting Station

The USAGM REKTS consists of two sites and Saipan and Tinian, relaying VOA and Radio Free Asia to Asia.

Saipan: 3 x 100 kW transmitters.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0100-0200	Daily	Radio Free Asia	Uighur	9450	100	310	42N,43N	East Asia
0100-0200	Daily	Radio Free Asia	Tibetan	13765	100	300	42,43W	East Asia
0200-0300	Daily	Radio Free Asia	Tibetan	11895	100	300	42,43W	East Asia
0300-0700	Daily	Radio Free Asia	Chinese	15455	100	300	42-44	East Asia
				17660	100	325	42-44	East Asia
0700-0800	Daily	Radio Free Asia	Burmese	15320	100	285	49W	South-East Asia
1230-1300	Daily	Radio Free Asia	Khmer	9390	100	310	49E	South-East Asia
1230-1300	Daily	Radio Free Asia	Tibetan	11935	100	310	42,43W	East Asia
1230-1330	Daily	Radio Free Asia	Burmese	11795	100	270	49W	South-East Asia

1300-1400	Daily	Voice of America	Korean	9985	100	310	44NE	East Asia
1300-1400	Daily	Radio Free Asia	Tibetan	11885	100	310	42,43W	East Asia
1400-1500	Daily	Voice of America	Korean	9985	100	325	44NE	East Asia
				11570	100	325	44NE	East Asia
1430-1500	Daily	Radio Free Asia	Khmer	9720	100	270	49E	South-East Asia
1500-1600	Daily	Radio Free Asia	Chinese	9790	100	300	43,44	East Asia
1500-1900	Daily	Radio Free Asia	Korean	9985	100	325	44NE	East Asia
				11550	100	325	44NE	East Asia
1600-1700	Mon/Wed/Fri	Radio Free Asia	Chinese	9455	100	300	43,44	East Asia
1600-1700	Tue/Thu	Radio Free Asia	Chinese	9720	100	300	43,44	East Asia
1600-1700	Sat/Sun	Radio Free Asia	Chinese	9900	100	300	43,44	East Asia
1700-1900	Daily	Radio Free Asia	Chinese	9950	100	300	43,44	East Asia
1900-2000	Daily	Radio Free Asia	Chinese	9455	100	300	43,44	East Asia
				9860	100	310	43,44	East Asia
2000-2100	Daily	Radio Free Asia	Chinese	9410	100	300	43,44	East Asia
				9455	100	310	43,44	East Asia
2100-2200	Daily	Radio Free Asia	Chinese	9410	100	300	43,44	East Asia
2100-2200	Daily	Radio Free Asia	Korean	9985	100	325	44NE	East Asia
				11945	100	325	44NE	East Asia
2200-2230	Daily	Vatican Radio	Chinese	9580	250*	329	43,44	East Asia
2230-2330	Daily	Radio Free Asia	Khmer	9390	100	270	49E	South-East Asia
2300-0000	Daily	Radio Free Asia	Chinese	11775	100	310	43,44	East Asia

Note: HFCC list Vatican Radio at 2200-2230 on 9580 kHz as 250 kW but presumably this should be 100 kW.

Tinian: 2 x 250 kW & 6 x 500 kW transmitters (operating at 250 kW).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0030-0130	Daily	Radio Free Asia	Burmese	15110	250	289	49W	South-East Asia
0100-0200	Daily	Radio Free Asia	Uighur	11530	250	313	42N,43N	East Asia
0200-0300	Daily	Radio Free Asia	Tibetan	11540	250	296	42,43W	East Asia
				12010	250	289	42,43W	East Asia
0400-0500	Daily	Radio Free Asia	Chinese	11980	250	313	43,44	East Asia
0500-0600	Daily	Radio Free Asia	Chinese	11980	250	313	43,44	East Asia
				21700	250	296	42-44	East Asia
0600-0700	Daily	Radio Free Asia	Chinese	17840	250	313	42-44	East Asia
0600-0700	Daily	Radio Free Asia	Tibetan	21480	250	296	42,43W	East Asia
0700-0800	Daily	Radio Free Asia	Burmese	17815	250	289	49W	South-East Asia
1000-1100	Mon	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17830	250	289	42,43W	East Asia
1000-1100	Tue	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17580	250	289	42,43W	East Asia
1000-1100	Wed	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17815	250	289	42,43W	East Asia
1000-1100	Thu	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17820	250	289	42,43W	East Asia
1000-1100	Fri	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17840	250	289	42,43W	East Asia
1000-1100	Sat	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17660	250	289	42,43W	East Asia
1000-1100	Sun	Radio Free Asia	Tibetan	15665	250	289	42,43W	East Asia
				17730	250	289	42,43W	East Asia
1100-1200	Daily	Radio Free Asia	Lao	13685	250	272	49E	South-East Asia
1100-1200	Daily	Radio Free Asia	Tibetan	15745	250	289	42,43W	East Asia
1200-1230	Daily	Radio Free Asia	Tibetan	11935	250	280	42,43W	East Asia
				15745	250	313	42,43W	East Asia
1230-1250	Daily	Vatican Radio	Russian	7420	250	329	32,33W	Eastern Russia
1230-1300	Daily	Radio Free Asia	Tibetan	15745	250	313	42,43W	East Asia
1230-1300	Daily	Radio Free Asia	Khmer	15155	250	272	49E	South-East Asia
1300-1330	Daily	Radio Free Asia	Khmer	9390	250	289	49E	South-East Asia
				15155	250	272	49E	South-East Asia
1330-1400	Daily	Radio Free Asia	Burmese	12055	250	280	49W	South-East Asia
				13750	250	289	49W	South-East Asia
1400-1430	Daily	Radio Free Asia	Burmese	12055	250	280	49W	South-East Asia
1400-1500	Daily	Radio Free Asia	Cantonese	9390	250	313	44S	East Asia
1430-1500	Daily	Radio Free Asia	Cambodian	11750	250	272	49E	South-East Asia
1500-1600	Daily	Radio Free Asia	Tibetan	12125	250	296	42,43W	East Asia
1500-1700	Daily	Radio Free Asia	Korean	11510	250	329	44NE	East Asia
1600-1700	Daily	Radio Free Asia	Chinese	9315	250	313	42-44	East Asia
				11590	250	296	43,44	East Asia

1700-1900	Daily	Radio Free Asia	Chinese	11590	250	296	43,44	East Asia
1900-2100	Daily	Radio Free Asia	Korean	9975	250	329	44NE	East Asia
2000-2100	Daily	Radio Free Asia	Chinese	11525	250	313	43,44	East Asia
2100-2200	Daily	Radio Free Asia	Korean	9940	250	329	44NE	East Asia
2200-2300	Daily	Radio Free Asia	Tibetan	12050	250	289	42,43W	East Asia
2230-2330	Daily	Radio Free Asia	Cambodian	11850	250	272	49E	South-East Asia
2300-0000	Daily	Radio Free Asia	Tibetan	9860	250	313	42-44	East Asia
				11525	250	313	43,44	East Asia

Pakistan

Radio Pakistan

Radio Pakistan shortwave transmissions are currently suspended. The Ministry of Information and Broadcasting website currently says: "World and External services broadcasts programs for six hours daily in six foreign languages and designed to cover Asia. These languages are Persian, Dari, Bangla, Chinese, Pashto (Afghani), Hindi, Hazargi. Presently these programmes are streamed only and also available on the Mobile App. World Service broadcasts programs for 8 hours in Urdu language for Overseas Pakistanis in Middle East and Europe".

Azad Kashmir Radio

The Pakistan Broadcasting Corporation broadcasts a dedicated Kashmir-focused service from three stations, including the Trarkhal Programme which broadcasts on shortwave.

Transmitter site: Islamabad, Pakistan.

Target area: Azad Kashmir - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.
0900-0945	Daily	Urdu/Kashmiri	7265	100	ND

Palau

Hope Radio

The shortwave station on the island of Palau was founded by George Otis Sr. of Highmark Ministries and later sold to LeSEA Broadcasting under the late Dr. Lester Sumrall's ministry. As of September 2020, Joe Perozich became the CEO of the station and established Hope Radio. Hope Radio broadcasts to South East Asia with a mission to preach the gospel in the most populated parts of the world.

Angel 3 - currently testing

Transmitter site: Medorm, Babeldaob Island - 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
1100-1200	irregular tests	English	9930	100	318	43,44	East Asia

Paul Gager on the BDXC-UK iog said he had a message from Hope Radio on 16 December 2021: "Thank you for contacting us about our test broadcast. We are going to be testing the frequency again tomorrow (December 17th) from 1100-1200 UTC and then this initial test will be done. We do plan to run future tests, but we don't have times set for those yet. Please feel free to pass along the information. We appreciate feedback on signal strength in different locations."

Angel 4 "Reaching South China, Laos, Myanmar, Nepal, Indonesia, Philippines, Bhutan, Vietnam, Cambodia, Thailand, India, Malaysia, and Bangladesh"

Transmitter site: Medorm, Babeldaob Island - 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
0100-0222	Sun	English	15680	100	270	41,49,50,54	South & South-East Asia
0800-0922	Sun	English	15680	100	270	41,49,50,54	South & South-East Asia
0800-0935	Sat	English	15680	100	270	41,49,50,54	South & South-East Asia

Angel 5 "Reaching East China, Philippines, South Korea, Japan and North Korea"

Transmitter site: Medorm, Babeldaob Island - 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
0800-0835	Mon-Fri	English	9965	100	345	43-45	East Asia
0800-1105	Sun	English	9965	100	345	43-45	East Asia
0840-0935	Sat	English	9965	100	345	43-45	East Asia



Papua New Guinea

National Broadcasting Corporation

NBC is Papua New Guinea's state owned broadcaster. Its head office is in Boroko, Port Moresby, and has approximately 20 locations around the country.

NBC Madang

Madang (old German name: Friedrich-Wilhelmshafen) is the capital of Madang Province on the north coast of Papua New Guinea. It was first settled by the Germans in the 19th century. NBC Madang on 3260 kHz (4 kW) is currently inactive.

NBC Bougainville

Bougainville, officially the Autonomous Region of Bougainville, is an autonomous region in Papua New Guinea. The largest island is Bougainville Island, while the region also includes Buka Island and a number of outlying islands and atolls. The interim capital is Buka, though it is expected that major government services and buildings will be moved to Arawa, following reconstruction. NBC Bougainville on 3325 kHz (5 kW) is currently inactive.

Wantok Radio Light

Wantok Radio Light is a radio station operated by Papua New Guinea Christian Broadcasting Network, a non-profit, non-commercial Christian ministry. They broadcast on 93.9 FM in Port Moresby, 105.9 FM in other provinces and on shortwave 7325 kHz (1 kW) throughout PNG and overseas, although the latter has been reported off-air recently due to a transmitter problem.

Checking for any activity on 3260 & 3325 kHz (both NBC) and 7325 kHz (WRL), but all found totally silent at 0940 UTC, 28 January 2022. (Ron Howard, Asilomar State Beach CA, 28 January 2022, WOR iog)

Philippines

International broadcasts on shortwave

Radyo Pilipinas Overseas (DZRP)

Radyo Pilipinas Overseas (callsign DZRP) is the overseas broadcast of the Philippine Broadcasting Service (PBS). Radyo Pilipinas is broadcast through the facilities of the International Broadcasting Bureau - Voice of America. The programmes being aired over DZRP are produced by PBS staff dedicated in serving the needs of overseas Filipino workers and Filipinos all over the globe.

Transmitter site: USAGM Transmitting Station, Tinang, Central Luzon, Philippines.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0200-0330	Daily	English	9475	Tinang, Philippines	250	283	39,40	Middle East
			15640	Tinang, Philippines	250	270	39,40	Middle East
			17820	Tinang, Philippines	250	270	39,40	Middle East
1730-1930	Daily	Filipino	9925	Tinang, Philippines	250	283	39,40	Middle East
			12120	Tinang, Philippines	250	283	39,40	Middle East
			15190	Tinang, Philippines	250	283	39,40	Middle East

FEBC Philippines

Far East Broadcasting Company is an international Christian radio network.

Transmitter sites: Bocaue, Bulacan Province - 5 x 100 kW; Iba, Zambales Province - 3 x 100 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0015	Daily	Khmu	9795	Iba	100	270	49	South-East Asia
0000-0045	Daily	Shan	15435	Bocaue	100	305	49,43S	South-East Asia
0015-0045	Daily	Lahu	12055	Bocaue	100	305	43S,44S,49	South-East Asia
0030-0045	Daily	Chin (Mro)	15640	Bocaue	100	293	41NE,49	South-East Asia
0045-0100	Daily	Jingpho	15640	Bocaue	100	293	41NE,49	South-East Asia
0045-0100	Daily	Tai (Nua)	15435	Bocaue	100	305	49,43S	South-East Asia
0045-0100	Daily	Wa	12055	Bocaue	100	305	43S,44S,49	South-East Asia
0100-0130	Daily	Javanese	15560	Bocaue	100	200	49S,50S,51W,54	South-East Asia
0900-0930	Daily	Tibetan	15450	Bocaue	100	305	42S,43S,49N	Tibet & environs
0900-0930	Daily	Makasar	15580	Bocaue	100	185	54	South-East Asia
0930-1000	Daily	Minangkabu	15420	Bocaue	100	245	49S,54W	South-East Asia
0930-1000	Daily	Mongolian	15450	Iba	100	330	43S,44S	East Asia
0930-1000	Daily	Bugis	15580	Bocaue	100	215	54	South-East Asia
1000-1030	Daily	Hui	9400	Iba	100	330	42-44	East Asia
1000-1030	Daily	Sunda	15580	Iba	100	330	43S,44S	East Asia
1000-1600	Daily	Chinese	9275	Bocaue	100	345	42-44	East Asia
1030-1100	Daily	Cantonese	9400	Iba	100	330	42-44	East Asia
1030-1100	Daily	Lu	12095	Bocaue	100	293	43S,44S,49	South-East Asia
1030-1100	Mon-Fri	Iu Mien	13870	Bocaue	100	280	49	South-East Asia

1030-1100	Daily	Sasak	15580	Iba	100	330	43S,44S	East Asia
1100-1130	Daily	Hmong	12095	Bocau	100	305	43S,44S,49	South-East Asia
1100-1200	Daily	Vietnamese	9795	Iba	100	270	43S,44S,49	South-East Asia
1100-1300	Daily	Khmer	13870	Bocau	100	280	49	South-East Asia
1100-1400	Daily	Chinese	9400	Iba	100	330	42-44	East Asia
1115-1145	Daily	Mon	15330	Bocau	100	278	49	South-East Asia
1130-1200	Daily	Lao	12095	Bocau	100	305	43S,44S,49	South-East Asia
1145-1200	Daily	Karen	15330	Bocau	100	278	49	South-East Asia
1200-1215	Daily	Rawang	12120	Bocau	100	293	49	South-East Asia
1200-1230	Sun-Wed	Rade	9920	Iba	100	270	49	South-East Asia
1200-1230	Thu-Sat	Jarai	9920	Iba	100	270	49	South-East Asia
1200-1230	Daily	Iu Mien	12095	Bocau	100	305	43S,44S,49	South-East Asia
1215-1245	Daily	Akha	12120	Bocau	100	293	49	South-East Asia
1230-1245	Daily	Achang	12095	Bocau	100	305	43S,44S,49	South-East Asia
1230-1245	Daily	Naga	12120	Bocau	100	293	49	South-East Asia
1230-1300	Tu/Th/Sa/Su	Hre	9920	Iba	100	270	49	South-East Asia
1230-1300	Mon/Wed/Fri	Bahnar	9920	Iba	100	270	49	South-East Asia
1245-1300	Daily	Tai (Dam)	12095	Bocau	100	305	43S,44S,49	South-East Asia
1245-1300	Daily	Chin (Daai)	12120	Bocau	100	293	49	South-East Asia
1300-1330	Daily	Hui	11600	Bocau	100	305	42S,43,49N	South Asia
1300-1330	Daily	Hmong	12095	Bocau	100	280	43S,44S,49	South-East Asia
1300-1330	Daily	Koho	9920	Iba	100	270	49	South-East Asia
1300-1330	Daily	Lisu	12120	Bocau	100	293	49	South-East Asia
1330-1400	Daily	Yunnan	11600	Bocau	100	305	42S,43,49N	South Asia
1330-1400	Daily	Khmu	12095	Bocau	100	280	43S,44S,49	South-East Asia
1330-1400	Daily	Burmese	12120	Bocau	100	293	49	South-East Asia
1400-1430	Daily	Javanese	15620	Bocau	100	200	49S,50S,51W,54	South-East Asia
1400-1430	Daily	Lahu	11750	Bocau	100	305	43S,49	South-East Asia
1400-1600	Daily	Chinese	9345	Iba	100	330	42-44	East Asia
1430-1500	Daily	Uighur	9940	Bocau	100	323	30,42	East Asia
1500-1600	Daily	Russian	9920	Bocau	100	323	20-22,29E,30-32	Russia
1500-1530	Daily	Russian	9920	Bocau	100	323	20-22,29E,30-32	Russia
1530-1600	Mon-Sat	Russian	9920	Bocau	100	323	20-22,29E,30-32	Russia
1530-1600	Sun	Ukrainian	9920	Bocau	100	323	20-22,29E,30-32	Russia
2230-0030	Daily	Chinese	9405	Bocau	100	345	42-44	East Asia
2300-2330	Daily	Hmong	12095	Bocau	100	293	43S,49	South-East Asia
2300-2330	Daily	Iu Mien	9875	Bocau	100	280	49	South-East Asia
2300-2330	Daily	Mon	9795	Iba	100	270	43S,44S,49	South-East Asia
2300-0100	Daily	Chinese	12070	Iba	100	330	42-44	East Asia
2330-0000	Daily	Lao	9795	Iba	100	270	43S,44S,49	South-East Asia
2330-0000	Mon-Fri	Iu Mien	9875	Bocau	100	280	49	South-East Asia
2330-0030	Daily	Burmese	15640	Bocau	100	293	41NE	South-East Asia
2330-2345	Daily	Palaung	12055	Bocau	100	305	43S,44S,49	South-East Asia
2345-0015	Daily	Lu	12055	Bocau	100	305	43S,44S,49	South-East Asia

USAGM Philippines Transmitting Station

The USAGM Philippines Transmitting Station is located on the island of Luzon at Tinang, in Tarlac Province.

Transmitter site: Tinang - 9 x 250 kW.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0000-0030	Daily	Voice of America	Burmese	9335	250	283	49W	South-East Asia
				9380	250	270	49W	South-East Asia
0000-0030	Daily	BBC	English	17800	250	283	49NW	South-East Asia
0000-0100	Daily	Radio Free Asia	Chinese	11945	250	332	43,44	East Asia
				15425	250	349	43,44	East Asia
0130-0230	Daily	Voice of America	Burmese	11820	250	283	49W	South-East Asia
				15110	250	283	49W	South-East Asia
0200-0330	Daily	Radio Pilipinas	English	9475	250	283	39,40	Middle East
				15640	250	270	39,40	Middle East
				17820	250	270	39,40	Middle East
0230-0330	Daily	Voice of America	Burmese	15285	250	283	49	South-East Asia
				17525	250	283	49	South-East Asia
0300-0400	Daily	Voice of America	Tibetan	17865	250	315	42,43W	Tibet & environs
				21600	250	315	42,43W	Tibet & environs
				21785	250	315	42,43W	Tibet & environs
0400-0500	Daily	Voice of America	Tibetan	17865	250	315	42,43W	Tibet & environs
				21620	250	315	42,43W	Tibet & environs
0500-0600	Daily	Voice of America	Tibetan	17865	250	315	42,43W	Tibet & environs
				21760	250	315	42,43W	Tibet & environs

0900-1000	Daily	Radio Free Asia	Chinese	9795	250	349	42-44	East Asia
1000-1100	Daily	Radio Free Asia	Chinese	9795	250	349	42-44	East Asia
				9825	250	332	43,44	East Asia
1100-1200	Daily	Radio Free Asia	Chinese	9825	250	349	43,44	East Asia
				11660	250	349	42-44	East Asia
				12080	250	332	43,44	East Asia
1130-1200	Mon-Fri	Voice of America	Rohingya	12030	250	283	49W	South-East Asia
1130-1200	Sat/Sun	Voice of America	L. English	12030	250	283	49W	South-East Asia
1200-1300	Daily	Radio Free Asia	Chinese	9825	250	349	43,44	East Asia
1200-1230	Daily	Voice of America	Burmese	11965	250	270	49W	South-East Asia
				15560	250	270	49W	South-East Asia
				17680	250	270	49W	South-East Asia
1200-1300	Daily	Radio Free Asia	Chinese	11900	250	332	42-44	East Asia
1200-1300	Daily	Voice of America	Korean	7465	250	021	44NE	East Asia
				9490	250	021	44NE	East Asia
				11570	250	021	44NE	East Asia
1230-1250	Daily	Vatican Radio	Russian	9810	250	332	31,32W,42N	Russia
1230-1300	Sat	Vatican Radio	Chinese	5980	250	330	43,44	East Asia
				7485	250	332	33,44	East Asia
				9720	250	315	42,43	East Asia
1300-1400	Daily	Radio Free Asia	Chinese	9825	250	349	43,44	East Asia
1300-1400	Daily	Voice of America	Chinese	9585	250	315	42-44	East Asia
				11660	250	332	43,44	East Asia
1300-1400	Daily	Voice of America	Korean	9800	250	021	44NE	East Asia
				11570	250	021	44NE	East Asia
1300-1500	Daily	Voice of America	Cantonese	7545	250	332	44S	East Asia
1330-1400	Daily	BBC	Burmese	9560	250	283	49NW	South-East Asia
1330-1430	Daily	Voice of America	Cambodian	9335	250	270	49W	South-East Asia
				11675	250	270	49W	South-East Asia
1400-1430	Daily	Voice of America	Chinese	11660	250	332	43,44	East Asia
1400-1500	Daily	Voice of America	Korean	9800	250	021	44NE	East Asia
1400-1500	Daily	Radio Free Asia	Chinese	9605	250	332	43,44	East Asia
				9825	250	315	43,44	East Asia
				12120	250	349	42-44	East Asia
1400-1500	Daily	Voice of America	Tibetan	11760	250	315	42,43W	Tibet & environs
1430-1450	Daily	Vatican Radio	Hindi	7320	250	270	41	South Asia
				9595	250	283	41	South Asia
1430-1530	Daily	Voice of America	Burmese	9335	250	270	49W	South-East Asia
				11870	250	270	49W	South-East Asia
				15450	250	283	49W	South-East Asia
1450-1510	Daily	Vatican Radio	Tamil	7320	250	270	41	South Asia
				9595	250	283	41	South Asia
1510-1530	Daily	Vatican Radio	Malayalam	7320	250	270	41	South Asia
				9595	250	283	41	South Asia
1530-1630	Daily	Voice of America	Burmese	9335	250	270	49W	South-East Asia
				9385	250	49	49	South-East Asia
				11870	250	270	49W	South-East Asia
1530-1380	Daily	BBC	Korean	5845	250	021	44NE	East Asia
1600-1700	Daily	Voice of America	Tibetan	7525	250	275	42,43W	Tibet & environs
				11670	250	315	42,43W	Tibet & environs
1630-1730	Daily	Voice of America	Burmese	9335	250	283	49	South-East Asia
1730-1930	Daily	Radio Pilipinas	Filipino	9925	250	283	39,40	Middle East
				12120	250	283	39,40	Middle East
				15190	250	283	39,40	Middle East
1900-2100	Daily	Voice of America	Korean	7465	250	021	44NE	East Asia
				9800	250	021	44NE	East Asia
2200-2230	Daily	Voice of America	Cambodian	5880	250	270	49SE	South-East Asia
				7465	250	275	49E	South-East Asia
				9335	250	270	49SE	South-East Asia
2200-2300	Daily	Vatican Radio	Chinese	6185	250	332	43,44	East Asia
2200-2300	Daily	BBC	English	6150	250	200	51W,54	South-East Asia
2200-2300	Daily	Radio Free Asia	Chinese	9620	250	332	43,44	South-East Asia
2300-0000	Daily	BBC	English	11825	250	200	51W,54	South-East Asia
2315-0000	Daily	Vatican Radio	Vietnamese	7420	250	270	49E	South-East Asia
				9580	250	270	49E	South-East Asia
2330-0000	Daily	Voice of America	Burmese	9335	250	283	49W	South-East Asia
				9380	250	270	49W	South-East Asia

Russia (Far East)

Radio Purga (DRM transmissions)

Although not in the European-part of Russia, Radio Purga is an FM station based in Anadyr which broadcasts a variety of information and music for listeners in Chukotka, Far Eastern Russia. The relays on shortwave are in DRM mode.

Transmitter site: Komsomolsk-na-Amur - 20 kW DRM.

Target area: Chukotka, Far Eastern Russia.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Notes
2000-2200	Daily	Russian	6025	20	034	26	
2200-0100	Daily	Russian	11860	20	034	26	
0100-0600	Daily	Russian	9850	20	034	26	alternative 15325
0600-1000	Daily	Russian	6025	20	034	26	



Singapore

International broadcasts on shortwave

BBC Far Eastern Relay Station

The BBC Far Eastern Relay Station is located in the Kranji district of Singapore, on the west bank of Kranji Reservoir. The relay station has been in use since 1978.

Transmitter Site: Kranji - 4 x 100 kW & 5 x 250 kW (operating at 125 or 250 kW); **DRM 100 kW.**

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area	Notes
0000-0030	Daily	BBC	English	7465	250	340	49NW	South-East Asia	
				9560	125	340	49NW	South-East Asia	
0100-0200	Daily	BBC	English	12095	250	315	41,42SW	South Asia	
0759-0900	Daily	BBC	English	15620	100	315	41	South Asia	DRM
1000-1100	Daily	BBC	English	6195	125	000	49W	South-East Asia	
				6195	125	090	51W,54	South-East Asia	
				9580	125	013	43SE,44SW,49E	South-East Asia	
				9580	125	135	51W,54	South-East Asia	
				11945	125	340	49W	South-East Asia	
1100-1200	Daily	BBC	English	6195	125	000	49W	South-East Asia	
				6195	125	090	51W,54	South-East Asia	
				9580	125	013	43SE,44SW,49E	South-East Asia	
				9580	125	135	51W,54	South-East Asia	
				11945	125	330	49W	South-East Asia	
1200-1300	Daily	BBC	English	11850	250	013	43E,44	East Asia	
1300-1400	Daily	BBC	English	12065	250	320	41,42SW	South Asia	
1330-1400	Daily	BBC	Burmese	7485	250	340	49NW	South-East Asia	
				11995	125	340	49NW	South-East Asia	
1330-1400	Daily	BBC	Bengali	9510	250	320	41NE	South Asia	
1330-1430	Daily	BBC	Burmese	5845	100	340	49NW	South-East Asia	DRM
1400-1500	Daily	BBC	Dari	7465	250	315	40E,41NW	Afghanistan	
1500-1600	Daily	BBC	Pashto	7465	250	315	40E,41NW	Afghanistan	
1500-1700	Daily	BBC	English	7485	250	315	30S,39NE,40	Near East	
1530-1830	Daily	BBC	Korean	7355	250	025	44NE	East Asia	
				12095	250	025	44NE	East Asia	
1600-1630	Daily	BBC	Dari	7465	250	315	40E,41NW	Afghanistan	
1630-1700	Daily	BBC	Bengali	9585	250	320	41NE	South Asia	
1630-1700	Mon-Fri	BBC	Pashto	7465	250	315	40E,41NW	Afghanistan	
1630-1700	Sat/Sun	BBC	Dari	7465	250	315	40E,41NW	Afghanistan	
1700-1800	Daily	BBC	Pashto	7465	250	315	40E,41NW	Afghanistan	
1700-1900	Daily	BBC	English	7485	250	315	30S,39NE,40	Near East	
1800-1900	Daily	BBC	Pashto	7465	250	315	40E,41NW	Afghanistan	
2200-0000	Daily	BBC	English	3915	250	000	43SE,44SW,49E	South-East Asia	
				5890	250	013	43SE,44SW,49E	South-East Asia	
				6195	125	000	49W	South-East Asia	
				6195	125	090	51W,54	South-East Asia	

Solomon Islands

Solomon Islands Broadcasting Corporation

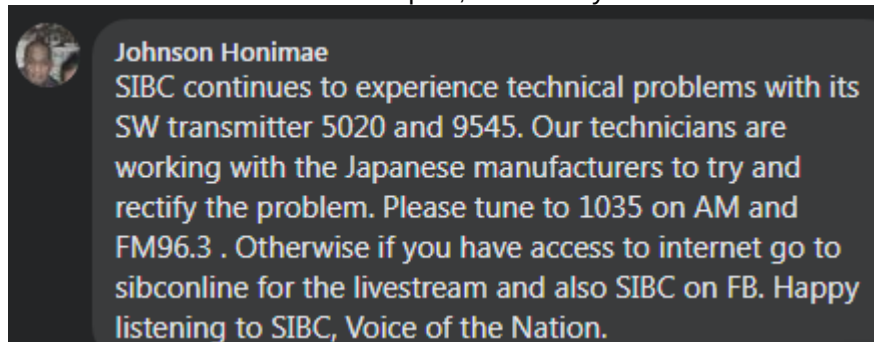
Solomon Islands Broadcasting Corporation (SIBC) is the official radio broadcaster of Solomon Islands. SIBC is self-defined as a public service broadcaster "which facilitates educational programs, recording and promotion of local music, and the unity of diverse cultures in a scattered island nation".

Transmitter Site: Honiara - 10 kW.

Target area: Solomon Islands - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Notes
1900-2200	Daily	Tok Pisin/English	5020	10	ND	51,56	
2200-0500	Daily	Tok Pisin/English	9545	10	ND	51,56	
0500-1200	Daily	Tok Pisin/English	5020	10	ND	51,56	may continue on 9545 rather than switch to 5020

SIBC Facebook post, 25 January 2022:



and Ron Howard previously posted the following to the WOR iog on 2 January 2022: "Hi Glenn - My last time looking for SIBC (5020 & 9545) was Dec 31, at 1035 UT. Found no trace of a signal; nothing at all. Ron (Calif.)"

Sri Lanka

International broadcasts on shortwave

Sri Lanka Broadcasting Corporation

Sri Lanka Broadcasting Corporation is the public broadcasting service of Sri Lanka. SLBC operates on shortwave are directed to South Asia and to the large expatriate community in the Middle East.

Transmitter Site: Trincomalee (trm) - 3 x 250 kW (operated at 125 kW).

Time/UTC	Days	Service	Languages	kHz	kW	Az.	CIRAF	Target area
0030-0100	Daily	SLBC	Bengali/Hindi	11905	125	350	41	South Asia
0200-0230	Daily	SLBC	Hindi	11905	125	350	41	South Asia
1630-1830	Fri	City FM	Sinhala/Tamil/English/Hindi	11750	125	300	39,40	Middle East
1700-1800/1830	irregular	City FM	Sinhala	11750	125	300	39,40	Middle East

The following shortwave transmissions are currently off-air:

Time/UTC	Languages	kHz	kW	Az.	CIRAF	Target area
1115-1200	Hindi/Malayalam/Tamil/Telugu	9695	125	340	41	South Asia
1700-1800	Tamil (Thendral FM)	11835	125	300	39,40	Middle East

SLBC Shortwave Relay Station - Trincomalee

The Deutsche Welle Relay Station at Trincomalee was opened in 1984 and closed on 1 November 2011. Upon closure it was transferred to the Sri Lanka Broadcasting Corporation.

Transmitter Site: Trincomalee - 3 x 300 kW (operating at 125 or 250 kW)

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0000-0030	Daily	AWR	Thai	9510	125	075	49E	South-East Asia
0100-0130	Sun-Thu	AWR	Minnan	12020	125	045	43S,44S	East Asia
				15625	125	025	32S,33S,43N,44N	East Asia
0100-0130	Fri	AWR	Chinese	12020	125	045	43S,44S	East Asia
0100-0130	Fri/Sat	AWR	Chinese	15625	125	025	32S,33S,43N,44N	East Asia
0100-0200	Sat	AWR	Chinese	12020	125	045	43S,44S	East Asia
0130-0200	Sun-Fri	AWR	Cantonese	12020	125	045	43S,44S	East Asia
				15625	125	025	32S,33S,43N,44N	East Asia
0130-0200	Sat	AWR	Chinese	15625	125	025	32S,33S,43N,44N	East Asia
0230-0300	Daily	AWR	Dari	15310	125	335	40W	Afghanistan
0300-0330	Daily	AWR	Oromo	15410	125	270	48	Horn of Africa
0400-0430	Daily	AWR	Amharic	15520	125	270	48	Horn of Africa
0500-0600	Daily	AWR	Arabic	15210	125	300	38E,39,47N,48N	NW Africa, M East

1230-1300	Daily	AWR	Manipuri	15430	125	025	41NE	South Asia
1300-1330	Daily	AWR	Indonesian	11620	125	090	54NE	South-East Asia
1300-1330	Daily	AWR	Cambodian	15550	125	075	49E	South-East Asia
1330-1400	Daily	BBC	Bengali	9900	125	015	41NE	South Asia
1330-1400	Daily	AWR	Dawan	11620	125	090	54SE	South-East Asia
1400-1500	Daily	AWR	Chinese	9450	125	015	42,43W	East Asia
				15705	125	045	43S,44S	East Asia
1500-1530	Daily	AWR	Nepali	9765	125	015	41N	South Asia
1530-1600	Daily	AWR	Oriya	9765	125	015	41E	South Asia
1600-1630	Daily	AWR	Urdu	11755	125	345	41N	South Asia
1630-1700	Mon/Wed/Fri	AWR	Pashto	15360	125	355	41N	South Asia
1630-1700	Tue/Thu/Sat/Sun	AWR	Sindhi	15360	125	335	41NW	South Asia
1700-1730	Daily	AWR	Swahili	15360	125	255	48SW,53NW	East Africa
1900-2000	Daily	AWR	Arabic	11985	125	300	38E,39,47N,48N	NW Africa, M East
1930-2000	Daily	AWR	French	15420	250	255	47,48W,52,53W	West/Central Africa
2100-2200	Daily	AWR	Chinese	9885	125	045	33S,43N,44N	East Asia

Taiwan

International broadcasts on shortwave

Radio Taiwan International

Radio Taiwan International is the international radio service of the Central Broadcasting System of the Republic of China, commonly known as Taiwan. It is a government-owned station that broadcasts in 13 languages around the world, with a majority emphasis on Mandarin and Taiwanese-language broadcasts over shortwave into China.

Note: Radio Taiwan International does not make registrations with the HFCC, so the schedule below has been compiled with reference to the Nagoya DXers Circle (Aoki) and Ivo Ivanov's Bulgarian DX blog.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>Target area</i>
0000-0100	Daily	Chinese	9490	Tamsui, Taiwan	100	352	East Asia
0000-0100	Daily	Thai	9745	Paochung, Taiwan	100	225	South-East Asia
0100-0130	Daily	Spanish	5800	WRMI Okeechobee FL, USA	100	160	South America
0200-0230	Daily	Spanish	5010	WRMI Okeechobee FL, USA	100	181	Caribbean
			5800	WRMI Okeechobee FL, USA	100	160	South America
			7780	WRMI Okeechobee FL, USA	100	044	Western Europe
			9395	WRMI Okeechobee FL, USA	100	355	East Coast of North America
0300-0400	Daily	English	15320	Paochung, Taiwan	100	225	South-East Asia
0400-0430	Daily	Cantonese	15320	Paochung, Taiwan	100	225	South-East Asia
0400-0600	Daily	Chinese	11840	Kouhu, Taiwan	100	225	East Asia
0430-0500	Daily	Hakka	15320	Paochung, Taiwan	100	225	South-East Asia
0700-0900	Daily	Chinese	11840	Kouhu, Taiwan	100	225	East Asia
0800-0900	Daily	Japanese	11745	Paochung, Taiwan	100	045	East Asia
0900-1000	Daily	Hakka	6105	Kouhu, Taiwan	100	267	East Asia
0900-1000	Daily	Amoy	9400	Paochung, Taiwan	100	205	East Asia
0900-1000	Daily	Amoy	12065	Paochung, Taiwan	100	225	South-East Asia
1000-1030	Daily	Cantonese	12065	Paochung, Taiwan	100	225	South-East Asia
			13825	Paochung, Taiwan	100	225	South-East Asia
1000-1100	Daily	Chinese	9610	Kouhu, Taiwan	100	267	East Asia
1000-1100	Daily	Indonesian	11915	Paochung, Taiwan	100	205	South-East Asia
1000-1100	Daily	Chinese	6180	Tamsui, Taiwan	300	325	East Asia
			9555	Kouhu, Taiwan	100	267	South-East Asia
			9610	Paochung, Taiwan	300	002	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9885	Kouhu, Taiwan	100	267	South-East Asia
			11840	Kouhu, Taiwan	100	225	South-East Asia
1030-1100	Daily	Hakka	12065	Paochung, Taiwan	100	225	South-East Asia
			13825	Paochung, Taiwan	100	225	South-East Asia
1030-1100	Daily	Korean	7200	Tamsui, Taiwan	300	352	East Asia
1100-1120	Daily	Amoy	12100	Paochung, Taiwan	100	205	South-East Asia
1000-1100	Daily	Chinese	6105	Kouhu, Taiwan	100	267	South-East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			9555	Kouhu, Taiwan	100	267	South-East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9680	Tamsui, Taiwan	100	352	East Asia
			9885	Kouhu, Taiwan	100	267	South-East Asia
			11840	Kouhu, Taiwan	100	225	South-East Asia
1100-1200	Daily	Japanese	9740	Paochung, Taiwan	100	045	East Asia

1100-1200	Daily	Russian	9490	Paochung, Taiwan	100	002	Eastern Russia
1100-1200	Daily	Vietnamese	9425	Paochung, Taiwan	100	250	South-East Asia
1120-1140	Daily	English	12100	Paochung, Taiwan	100	205	South-East Asia
1140-1200	Daily	Vietnamese	12100	Paochung, Taiwan	100	205	South-East Asia
1200-1230	Daily	Cantonese	6105	Kouhu, Taiwan	100	267	South-East Asia
			9735	Paochung, Taiwan	100	225	South-East Asia
1200-1300	Daily	Amoy	6140	Kouhu, Taiwan	100	267	South-East Asia
1200-1300	Daily	Chinese	6180	Tamsui, Taiwan	300	325	East Asia
			7430	Kouhu, Taiwan	100	310	East Asia
			9555	Kouhu, Taiwan	100	267	South-East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9680	Tamsui, Taiwan	100	352	East Asia
			9885	Kouhu, Taiwan	100	267	South-East Asia
1200-1300	Daily	Indonesian	11915	Paochung, Taiwan	100	205	South-East Asia
1200-1300	Daily	Thai	9625	Paochung, Taiwan	100	225	South-East Asia
1230-1300	Daily	Hakka	6105	Kouhu, Taiwan	100	267	South-East Asia
			9735	Paochung, Taiwan	100	225	South-East Asia
1300-1400	Daily	Chinese	6105	Kouhu, Taiwan	100	267	South-East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			7430	Kouhu, Taiwan	100	310	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9680	Tamsui, Taiwan	100	352	East Asia
1300-1400	Daily	Thai	9525	Paochung, Taiwan	100	225	South-East Asia
1400-1500	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6145	Kouhu, Taiwan	100	310	East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
1400-1500	Daily	Indonesian	9735	Paochung, Taiwan	100	225	South-East Asia
1400-1500	Daily	Thai	9415	Kouhu, Taiwan	100	245	South-East Asia
1400-1500	Daily	Vietnamese	9625	Paochung, Taiwan	250	250	South-East Asia
1500-1530	Daily	Cantonese	9540	Paochung, Taiwan	250	205	South-East Asia
1500-1600	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6145	Kouhu, Taiwan	100	310	East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			7330	Tamsui, Taiwan	100	352	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
1500-1600	Daily	Thai	9625	Paochung, Taiwan	100	225	South-East Asia
1530-1600	Daily	Hakka	9540	Paochung, Taiwan	250	205	South-East Asia
1600-1700	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6145	Kouhu, Taiwan	100	310	East Asia
			7300	Tamsui, Taiwan	100	352	East Asia
1600-1700	Daily	English	6100	Paochung, Taiwan	250	225	South Asia
1700-1730	Daily	Russian	5900	Kostinbrod, Bulgaria	50	030	Western Russia
1900-1930	Daily	German	5900	Kostinbrod, Bulgaria	100	306	Western Europe
1900-1930	Daily	French	6005	Kostinbrod, Bulgaria	100	306	Western Europe
1900-2000	Sun	French	9680	Issoudun, France	500	185	North-West Africa
2200-2230	Daily	Korean	6085	Tamsui, Taiwan	300	002	East Asia
2200-2230	Daily	Spanish	5850	WRMI Okceechobee FL, USA	100	315	West Coast of North America
2230-0030	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6105	Kouhu, Taiwan	100	310	East Asia
			9900	Paochung, Taiwan	100	352	East Asia
2300-2330	Daily	Korean	9580	Paochung, Taiwan	300	045	East Asia
2300-0000	Daily	Vietnamese	9745	Paochung, Taiwan	100	205	South-East Asia

Note: Radio Taiwan International broadcasts to Mainland China may be jammed by a transmission of CNR-1 in Chinese or a continuous loop of Firedrake music.



Shortwave relays from Taiwan

Several international broadcasters and other organisations use transmitters in Taiwan for broadcasts to Asia. Those stations being relayed for A21 are as follows:

Note: Foreign relays from Taiwan are not registered with the HFCC, so the schedule below has been compiled with reference to Nagoya DXers Circle (Aoki).

Transmitter Sites: Paochung - 4 x 100 kW & 6 x 300 kW; Tamsui - 4 x 300 kW

Time/UTC	Days	Station	Language	kHz	Tx site	kW	Az.	Target area
0030-0130	Daily	Radio Free Asia	Burmese	15250	Paochung	250	205	South-East Asia
0100-0200	Sat	AWR	Vietnamese	15445	Paochung	100	250	South-East Asia
0200-0230	Daily	Radio NUG	Burmese	17790	Paochung	250	205	South-East Asia
0200-0300	Daily	Radio Free Asia	Burmese	15250	Paochung	250	205	South-East Asia
1100-1300	Daily	National Unity Radio	Korean	6115	Tamsui	300	352	East Asia
1200-1300	Daily	Radio Free Asia	Korean	9580	Paochung	300	002	East Asia
1230-1300	Daily	Radio Daap Loi Song Nui	Vietnamese	9670	Paochung	100	250	South-East Asia
1300-1330	Daily	Nippon no Kaze	Korean	7295	Tamsui	300	352	East Asia
				9705	Paochung	300	002	East Asia
1300-1400	Daily	Radio Free Asia	Korean	9460	Paochung	300	002	East Asia
1300-1400	Sun	Radio France International	Vietnamese	9650	Paochung	100	250	South-East Asia
1330-1400	Daily	Furusato no Kaze	Japanese	7295	Tamsui	300	352	East Asia
				9705	Paochung	300	002	East Asia
1400-1430	Daily	Radio NUG	Burmese	11940	Paochung	250	205	South-East Asia
1430-1500	Daily	Furusato no Kaze	Japanese	7290	Tamsui	300	352	East Asia
				9560	Paochung	300	002	East Asia
1500-1530	Daily	Nippon no Kaze	Korean	7290	Tamsui	300	352	East Asia
				9800	Paochung	300	002	East Asia
1530-1600	Daily	Nippon no Kaze	Korean	7290	Paochung	300	002	East Asia
				9800	Tamsui	300	352	East Asia
1600-1630	Daily	Furusato no Kaze	Japanese	6045	Tamsui	300	352	East Asia
				9690	Paochung	300	002	East Asia
1630-1700	Daily	Nippon no Kaze	Korean	6155	Tamsui	300	352	East Asia
1700-1730	Daily	Furusato no Kaze	Japanese	6155	Tamsui	300	352	East Asia
2100-2200	Daily	National Unity Radio	Korean	5985	Tamsui	300	002	East Asia

Fu Hsing Broadcasting Station

Fu Hsing Broadcasting Station is a state-run radio station sponsored by Republic of China Armed Forces, located on the campus of Ming Chuan University in Taipei, Taiwan and is operated by the Ministry of National Defense.

Transmitter site: often reported as Kuanyin (10 kW) but WRTH says a visit to Kuanyin indicated this wasn't the site used.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	Target area	Notes
0500-0900/1000	Daily	Chinese/Hakka	9410	Kuanyin?	10	ND	Mainland China	
			9774	Kuanyin?	10	ND	Mainland China	
			15375	Kuanyin?	10	ND	Mainland China	this freq currently off-air

Sound of Hope

Sound of Hope (SOH) is an international Chinese-language radio network. Along with New Tang Dynasty Television and The Epoch Times, it is part of a network of media organisations established by practitioners of the Falun Gong new religious movement. SOH serves the Chinese diaspora in US, Europe, Australia, Japan and South Korea on mediumwave and FM and broadcasts to China on an extensive number of out-of-band shortwave frequencies. Programmes are in Chinese and Cantonese, and also include relays of Radio Free Asia at times.

Transmitter sites: Pingtung and Miaoli, Taiwan (and possibly another) - all transmitters are low power - 1 kW or less.

Frequencies: See entry for China - "Target broadcasts to China" for a list of SOH's shortwave frequencies.

Tajikistan

Tajik Radio

Tajik Radio is part of the state-run Kimutai Televizion va Radioi (State Committee for TV and Radio Broadcasting).

Radioi Tojikiston (Tajik Radio 1)

Radio Tajikistan is the main radio channel of Tajik Radio.

Transmitter site: Yangiyo'l, near Dushanbe.

General target: Tajik domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.
2300-0300	Daily	Tajik	4765	100	ND
0300-0330	Daily	Russian	4765	100	ND
0330-0900	Daily	Tajik	4765	100	ND
0900-0930	Daily	Russian	4765	100	ND
0930-1000	Daily	Uzbek	4765	100	ND
1000-2000	Daily	Tajik	4765	100	ND



Ovozi Tojik (Voice of Tajik)

Voice of Tajik is the external service of Tajik Radio.

Transmitter site: Orzu.

Target area: Foreign listeners in the areas surrounding Tajikistan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
0200-0400	Daily	Tajik	7245	100	ND
0400-0600	Daily	Persian	7245	100	ND
0600-0800	Daily	Dari	7245	100	ND
0800-1000	Daily	Russian	7245	100	ND
1000-1100	Daily	Uzbek	7245	100	ND
1100-1200	Daily	Hindi	7245	100	ND
1200-1300	Daily	Arabic	7245	100	ND
1300-1400	Daily	English	7245	100	ND
1400-1600	Daily	Tajik	7245	100	ND
1600-1800	Daily	Persian	7245	100	ND



International broadcasts on shortwave

Teleradiokom

Teleradiokom is the operator of all transmitters in Tajikistan and hires airtime to international broadcasters.

Transmitter site: Yangiyo'l, near Dushanbe; Orzu, Khatlon Region

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0030-0130	Daily	Radio Free Asia	Burmese	7510	Orzu	200	125	49W	South-East Asia
0100-0200	Daily	Radio Free Asia	Uighur	7580	Orzu	200	060	42N,43N	Western China
0100-0200	Daily	Radio Free Asia	Tibetan	9665	Orzu	250	110	42,43W	Tibet & environs
				11895	Orzu	200	110	42,43W	Tibet & environs
0200-0300	Daily	AWR	English	15515	Orzu	100	125	41NE	South Asia
0600-0700	Daily	Radio Free Asia	Chinese	11980	Orzu	200	110	42-44	East Asia
0600-0700	Daily	Radio Free Asia	Tibetan	15665	Orzu	200	117	42,43W	Tibet & environs
000-1100	Daily	Radio Free Asia	Tibetan	9690	Orzu	200	125	42,43W	Tibet & environs
1100-1200	Daily	Radio Free Asia	Tibetan	9305	Orzu	200	125	42,43W	Tibet & environs
1200-1230	Sun-Thu	AWR	Amoy	9800	Orzu	100	060	33S,43N,44N	East Asia
1200-1230	Fri/Sat	AWR	Chinese	9800	Orzu	100	060	33S,43N,44N	East Asia
1200-1300	Daily	Radio Free Asia	Tibetan	9305	Orzu	200	125	42,43W	Tibet & environs
				13830	Orzu	250	110	42,43W	Tibet & environs
1200-1300	Daily	AWR	Korean	9875	Orzu	100	065	44NE,45NW	East Asia
1230-1300	Sat-Thu	AWR	Cantonese	9800	Orzu	100	060	33S,43N,44N	East Asia
1230-1300	Fri	AWR	Chinese	9800	Orzu	100	060	33S,43N,44N	East Asia
1300-1400	Daily	Voice of Tibet	Tibetan	9876*	Yangiyul	100	131	42,43W	Tibet & environs
1300-1400	Daily	Radio Free Asia	Tibetan	9305	Orzu	200	125	42,43W	Tibet & environs
				13830	Orzu	250	110	42,43W	Tibet & environs
				15745	Orzu	200	110	42,43W	Tibet & environs
1400-1430	Daily	AWR	English	15515	Orzu	100	125	41NE	South Asia
1500-1600	Daily	Radio Free Asia	Chinese	7540	Orzu	250	110	42-44	East Asia
1500-1600	Daily	Radio Free Asia	Tibetan	9315	Orzu	200	125	42,43W	Tibet & environs
1530-1830	Daily	BBC	Korean	5895	Yangiyul	250	072	44NE	East Asia
1600-1700	Daily	Radio Free Asia	Uighur	7545	Orzu	200	060	42N,43N	Western China
2300-0000	Daily	Radio Free Asia	Tibetan	5875	Orzu	200	110	42,43W	Tibet & environs
				7470	Orzu	250	110	42,43W	Tibet & environs
2300-0000	Daily	Voice of Tibet	Tibetan	9476*	Yangiyul	100	131	42,43W	Tibet & environs

Note: * Voice of Tibet at 1300-1400 switches between 9876 & 9899 kHz and at 2300-0000 switches between 9476 & 9499

Thailand

Radio Thailand World Service (HSK9)

Radio Thailand World Service is the official international broadcasting station of Thailand. Owned by the National Broadcasting Services of Thailand, The station broadcasts in 10 languages. RTWS is broadcast on shortwave using the transmitters of the USAGM in Ban Dung District, Udon Thani.

Transmitter site: Udon Thani, Ban Dung, Thailand.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0030	Daily	English	13750	250	006	7,8	North America
0030-0100	Daily	Thai	13750	250	030	6,7	North America
0200-0230	Daily	English	13750	250	006	7,8	North America
0500-0530	Daily	English	17640	250	324	18,27-28,37-38	Europe
1000-1030	Daily	Thai	17630	250	300	39,40	Middle East
1200-1230	Daily	English	9940	250	154	54	South-East Asia

1230-1245	Daily	Vietnamese	9940	250	132	49	South-East Asia
1245-1300	Daily	Chinese	9940	250	030	49-51,54-55,58-60	South-East Asia
1300-1315	Daily	Japanese	9940	250	054	45	East Asia
1315-1330	Daily	Malaysian	9940	250	154	54	South-East Asia
1330-1415	Daily	Thai	9940	250	154	54	South-East Asia
1800-1830	Daily	Thai	7475	250	316	27-28	Europe
1830-1930	Daily	English	7475	250	316	27-28	Europe
1930-1945	Daily	Thai	7475	250	316	27-28	Europe

USAGM Thailand Transmitting Station

The transmitter station at Udon Thani is owned and operated by the USAGM. In addition to relays of the Voice of America, RFE/RL and Radio Farda, transmitters are also used by Radio Thailand World Service (as above).

Transmitter Site: Udon Thani, Ban Dung - 7 x 500 kW (operating at 250 kW).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0000-0030	Daily	Voice of America	Burmese	6150	250	280	49W	South-East Asia
0000-0030	Daily	Voice of America	Tibetan	9670	250	311	42,43W	Tibet & environs
0000-0100	Daily	Voice of America	Chinese	7560	250	006	43,44	East Asia
				9880	250	030	43,44	East Asia
0030-0100	Daily	Voice of America	Tibetan	5890	250	316	42,43W	Tibet & environs
				9670	250	311	42,43W	Tibet & environs
0030-0100	Daily	VOA Radio Ashna	Pashto	7495	250	304	40E,41NW	Afghanistan
0100-0130	Daily	VOA Radio Ashna	Dari	7495	250	304	40E,41NW	Afghanistan
0100-0400	Daily	VOA Deewa Radio	Pashto	9765	250	300	40E,41NW	Afghanistan/Pakistan
0130-0230	Daily	Voice of America	Burmese	9355	250	280	49W	South-East Asia
0200-0230	Daily	VOA Radio Ashna	Dari	12140	250	300	40E,41NW	Afghanistan
0230-0300	Daily	Radio Azadi (RFE/RL)	Pashto	12140	250	300	40E,41NW	Afghanistan
				13860	250	300	40E,41NW	Afghanistan
0230-0330	Daily	Voice of America	Burmese	9355	250	280	49	South-East Asia
0300-0330	Daily	Radio Azadi (RFE/RL)	Dari	12140	250	300	40E,41NW	Afghanistan
				13860	250	300	40E,41NW	Afghanistan
0400-0500	Daily	Mashaal Radio (RFE/RL)	Pashto	13580	250	300	40E,41NW	Afghanistan/Pakistan
				15765	250	300	40E,41NW	Afghanistan/Pakistan
0400-0500	Daily	Voice of America	Tibetan	15610	250	316	42,43	Tibet & environs
0400-0530	Daily	Radio Farda	Persian	13600	250	300	40	Iran
0500-0600	Daily	Voice of America	Tibetan	15560	250	316	42,43	Tibet & environs
0500-1300	Daily	Mashaal Radio (RFE/RL)	Pashto	15765	250	300	40E,41NW	Afghanistan/Pakistan
0730-1230	Daily	Radio Farda	Persian	17560	250	300	40	Iran
0900-1000	Daily	Voice of America	Chinese	11650	250	006	43,44	East Asia
				13830	250	030	42-44	East Asia
				15150	250	030	43-44	East Asia
				17720	250	030	43,44	East Asia
1000-1100	Daily	Voice of America	Chinese	11650	250	006	43,44	East Asia
				13830	250	030	42-44	East Asia
				15150	250	030	43-44	East Asia
1030-1100	Daily	Voice of America	Somali	17600	250	272	48	Horn of Africa
1100-1200	Daily	Voice of America	Chinese	15150	250	030	43-44	East Asia
1130-1200	Mon-Fri	Voice of America	Rohingya	12125	250	304	49W	South-East Asia
				15715	250	300	49W	South-East Asia
1130-1200	Sat/Sun	VOA Learning English	English	12125	250	304	49W	South-East Asia
				15715	250	300	49W	South-East Asia
1200-1300	Daily	Voice of America	Chinese	7515	250	030	43,44	East Asia
				11660	250	030	43,44	East Asia
1200-1250	Daily	Voice of America	Kurdish	15500	250	300	39N,40W	Middle East
1230-1330	Daily	Radio Farda	Persian	9990	250	300	40	Iran
				17560	250	300	40	Iran
1330-1430	Daily	Radio Farda	Persian	9990	250	300	40	Iran
1300-1400	Daily	Voice of America	Chinese	7470	250	030	43,44	East Asia
1300-1600	Daily	VOA Deewa Radio	Pashto	7495	250	304	40E,41NW	Afghanistan
				9370	250	300	40E,41NW	Afghanistan
1400-1500	Daily	Voice of America	Tibetan	11910	250	304	42,43W	Tibet & environs
				13830	250	316	42,43W	Tibet & environs
1400-1500	Daily	Voice of America	Chinese	11660	250	030	43,44	East Asia
1400-1600	Daily	RFE/RL Radio Ozodi	Tajik	7475	250	316	30SE	Central Asia
1500-1630	Daily	VOA Radio Ashna	Dari	12075	250	300	40E,41NW	Afghanistan
1600-1700	Daily	Voice of America	Tibetan	9760	250	319	42,43W	Tibet & environs
1600-1700	Daily	Radio Ozodlik (RFE/RL)	Uzbek	9940	250	304	30S	Central Asia
1600-1900	Daily	VOA Deewa Radio	Pashto	9370	250	300	40E,41NW	Afghanistan
1630-1730	Daily	VOA Radio Ashna	Pashto	12075	250	300	40E,41NW	Afghanistan

1730-1800	Daily	Voice of America	Burmese	9335	250	300	49	South-East Asia
1730-2130	Daily	Radio Farda	Persian	7580	250	300	40	Iran
1800-1900	Daily	Voice of America	English	11610	250	272	47S,48S,52-53	Central Africa
2200-2300	Daily	Voice of America	Chinese	7500	250	030	43,44	East Asia
2330-0000	Daily	Voice of America	Burmese	6150	250	280	49W	South-East Asia

Uzbekistan

International broadcasts on shortwave

The Center for Radio Communication, Radio Broadcasting and Television (RRTM)

RRTM is the operator of all transmitters in Uzbekistan and hires airtime to international broadcasters.

Transmitter site: Tashkent - 11 x 100 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0100-0120	Daily	NHK World Japan	Hindi	6155	100	163	41	South Asia
0300-1300	Daily	Afghanistan TV Int	Pashto	7600	100	236	40E,41NW	Afghanistan
0330-0430	Daily	BBC	Persian	6010	100	236	40	Iran
0400-0430	Daily	NHK World Japan	Persian	12010	100	236	40	Iran
0430-0530	Daily	BBC	Persian	13750	100	236	40	Iran
0530-1330	Daily	Radio Iran International	Persian	15630	100	236	40	Iran
1200-1230	Daily	Voice of the Martyrs	Korean	9930	100	076	44E	East Asia
1200-1300	Sat	Bible Voice Broadcasting	Urdu	6240	100	131	41	not heard
1200-1300	Daily	AWR	Korean	9460	100	090	44NE,45NW	East Asia
1300-1330	Daily	NHK World Japan	Bengali	5895	100	131	41NE	South Asia
1300-1330	Daily	Nippon no Kaze	Korean	7585	100	076	44NE	East Asia
1300-1330	Mon-Wed	Bible Voice Broadcasting	English	11590	100	066	44NE	East Asia
1300-1330	Sat/Sun	Bible Voice Broadcasting	Korean	11590	100	066	44NE	East Asia
1300-1400	Sat	PanAmerican Broadcasting	Japanese	5945	100	066	45	Japan
1300-1400	Daily	Radio Free North Korea	Korean	9910	100	076	44NE	East Asia
1315-1330	Fri	Bible Voice Broadcasting	Korean	11590	100	066	44NE	East Asia
1330-1400	Daily	Furusato no Kaze	Japanese	7585	100	076	44NE	East Asia
1330-0530	Daily	Iran International	Persian	5830	100	236	40	Iran
1400-1430	Daily	Deutsche Welle	Dari	5925	100	163	40E,41NW	West Asia
1400-1430	Daily	NHK World Japan	English	6165	100	163	41	South Asia
1400-1430	Tu/Th/Sa	Radio CDNK	Korean	6085	100	076	44NE	East Asia
1400-1500	Daily	North Korea Reform Radio	Korean	7590	100	076	44NE	East Asia
1400-1500	Mon-Sat	Voice of Wilderness	Korean	9380	100	076	44NE	East Asia
1400-1530	Sun	Voice of Wilderness	Korean	9380	100	076	44NE	East Asia
1430-1500	Daily	Deutsche Welle	Pashto	5925	100	163	40E,41NW	West Asia
1430-1500	Daily	Furusato no Kaze	Japanese	7525	100	076	44NE	East Asia
1430-1500	We-Su	FEBA India	Hindi	9540	100	131	41N	South Asia
1500-1530	Daily	IBRA Media	Bengali	5895	100	131	41NE	South Asia
1500-1530	Daily	AWR	Tamil	7410	100	163	41S	South Asia
1500-1530	Daily	Nippon no Kaze	Korean	7550	100	076	44NE	East Asia
1500-1600	Daily	BBC	Persian	5875	100	236	40	Iran
1530-1600	Daily	Adventist World Radio	Hindi	7410	100	163	41W	South Asia
1530-1600	Daily	Voice of Martyrs	Korean	7530	100	076	44NE	East Asia
1530-1600	Daily	Nippon no Kaze	Korean	7550	100	076	44NE	East Asia
1530-1600	Daily	NHK World Japan	Hindi	7565	100	163	41	South Asia
1600-1630	Daily	Furusato no Kaze	Japanese	5945	100	076	44NE	East Asia
1630-1730	Sun	PanAmerican Broadcasting	English	5945	100	090	42,43,44	East Asia
				6060	100	163	41	South Asia
1730-1800	Daily	Nippon no Kaze	Korean	5820	100	076	44NE	East Asia
1730-1800	Tu/Th/Su	Sae Nala Bangsong	Korean	5925	100	076	44NE	East Asia
1730-1800	Daily	Radio Ranginkaman	Persian	7610	100	236	40	Iran
1800-1830	Daily	Furusato no Kaze	Japanese	5820	100	076	44NE	East Asia
1830-1900	Sat/Sun	Bible Voice Broadcasting	Korean	7520	100	066	44NE	East Asia
1900-2100	Sat	Welle 370	German	6145	100	301	27,28,29	Europe
2000-2100	Daily	Radio Free North Korea	Korean	7540	100	076	44NE	East Asia
2000-2100	Daily	North Korea Reform Radio	Korean	7590	100	076	44NE	East Asia
2100-2130	Daily	Voice of Martyrs	Korean	7550	100	076	44NE	East Asia



Vanuatu

Radio Vanuatu

Radio Vanuatu is operated by the state-owned Vanuatu Broadcasting and Television Corporation.

Transmitter Site: Emten Lagoon, Efate - operating at around 2.5 kW.

Target area: Vanuatu - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
1830-2100	Daily	Bislama	3945	10	ND	56,51
2100-0000	Daily	Bislama	5040	10	ND	56,51
0000-0600	Daily	Bislama	7260	10	ND	56,51
0600-1100	Daily	Bislama	3945	10	ND	56,51

The 2nd, 3rd and 4th harmonics of 3945 kHz have been heard in the past on 7890, 11835 and 15780 kHz respectively.

Vietnam

Voice of Vietnam

The Voice of Vietnam (also Radio the Voice of Vietnam) is the Vietnamese national radio broadcaster. Directly controlled by the government of Vietnam, it is tasked with "propagating the views, policies of the Party and the laws of the state."

Voice of Vietnam - 1st National Programme

VOV1 broadcasts news, current affairs and music programmes.

Target area: all areas of Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2145-1700	Daily	Vietnamese	5975	Me Tri, Hanoi	50	ND	49
			7210	Buon Ma Thuot, Dac Lan Province	20	ND	49
			9530	Xuan Mai, Lang Son Province	50	ND	49
			9635	Son Tay, Hanoi	100	145	49

Voice of Vietnam - 2nd National Programme

VOV2 broadcasts economic, social, cultural and educational programmes.

Target area: all areas of Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2145-1700	Daily	Vietnamese	5925	Xuan Mai, Lang Son Province	50	ND	49

Language lessons on VOV-2

Time/UTC	Days	Language
0600-0614 and 1600-1614	Mon-Sat	English language lessons
0615-0629 and 1615-1629	Mon-Sat	French language lessons
0630-0644 and 1630-1644	Mon/Wed	Japanese language lessons
0630-0644 and 1630-1644	Tue/Fri	Chinese language lessons
0630-0644 and 1630-1644	Thu/Sat	Vietnamese language lessons for foreigners in English

VOV-4 for Ethnic Minorities in the Central Highlands

Tây Nguyên, translated as Western Highlands and sometimes also called Central Highlands, is one of the regions of Vietnam. It contains the provinces of Đắk Lắk, Đắk Nông, Gia Lai, Kon Tum, Lâm Đồng. This region is sometimes referred to as Cao nguyên Trung bộ (literally "Midland Highlands"), and was referred to during the former Republic of Vietnam as Cao nguyên Trung phần (literally "Central Highlands").

Target area: Central Highlands of Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2200-1600	Daily	Central Highland, Vietnamese	6020	Buon Ma Thuot, Dac Lac Province	20	ND	49

Note: Central Highland languages includes Bana, Ede, Giarai, Hmong, Koho, Sedang, Thai, M'Nong; may also relay VOV1 & 2 in Vietnamese at times.

VOV-4 for Ethnic Minorities in Northern Vietnam

Northern Vietnam is one of the three geographical regions within Vietnam. It consists of 3 administrative regions: the Northwest (Vùng Tây Bắc), the Northeast (Vùng Đông Bắc), and the Red River Delta (Đồng Bằng Sông Hồng). It has a total area of about 109,942.9 km². Tonkin is a historical exonym for this region plus the Thanh-Nghệ region. Of the three geographical regions, the oldest is Northern Vietnam, where the Vietnamese culture originated over 2,000 years ago in the Red River Delta, though Vietnamese people eventually spread south into the Mekong Delta.

Target area: Northern Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
0400-0600	Daily	Dao, Ho Mong, Thai, Vietnamese	9850	Xuan Mai, Lang Son Province	50	ND	49

Note: may also relay VOV1 & 2 in Vietnamese at times

International broadcasts on shortwave

Voice of Vietnam External Service (VOV-5)

VOV-5 (VOV World) is for Vietnamese nationals residing overseas and foreigners around the world.

Transmitter site: Son Tay, Hanoi - 11 x 100 kW (not all operational).

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
1000-1030	Daily	English	9840	100	177	54	South-East Asia
1030-1100	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia
1100-1130	Daily	Chinese	7220	100	027	31-33	East Asia
1100-1130	Daily	Japanese	9840	100	057	44-45	East Asia
			12020	100	057	44-45	East Asia
1100-1200	Daily	Lao	7285	100	216	49	South-East Asia
1130-1200	Daily	English	9840	100	057	44-45	East Asia
1200-1230	Daily	Chinese	7220	100	027	31-33	East Asia
1200-1230	Daily	French	7285	100	216	49	South-East Asia
1200-1230	Daily	Japanese	9840	100	057	44,45	East Asia
			12020	100	057	44,45	East Asia
1230-1300	Daily	English	9840	100	177	54	South-East Asia
1230-1300	Daily	Thai	7285	100	216	49	South-East Asia
1300-1330	Daily	Chinese	7220	100	027	31-33	East Asia
1300-1330	Daily	French	7285	100	216	49	South-East Asia
1300-1330	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia
1330-1400	Daily	English	9840	100	057	44,45	East Asia
1400-1430	Daily	Japanese	9840	100	057	44,45	East Asia
			12020	100	057	44,45	East Asia
1430-1500	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia
1500-1530	Daily	English	9840	100	177	54	South-East Asia
1500-1600	Daily	Vietnamese	7220	100	290	37-39	North Africa/Middle East
1600-1630	Daily	English	7220	100	290	37-39	Middle East/North Africa
			9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1630-1700	Daily	French	7220	100	290	37-39	Middle East/North Africa
1630-1700	Daily	Russian	11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1700-1800	Daily	Vietnamese	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1800-1830	Daily	Spanish	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1830-1900	Daily	German	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1900-1930	Daily	English	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1930-2000	Daily	French	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2000-2030	Daily	German	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2030-2100	Daily	French	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2030-2100	Daily	English	7220	100	290	37-39	North Africa/Middle East
2100-2130	Daily	Spanish	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2100-2130	Daily	French	7220	100	320	27-30,37-39	Europe/Middle East/North Africa
2130-2200	Daily	English	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2200-2230	Daily	Chinese	7220	100	027	31-33	East Asia
2300-2330	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia

Target broadcast to Vietnam

Radio Đáp Lời Sông Núi.

Radio ĐLSN (Vietnam Democracy Radio) is operated by the Foundation for Democracy in Vietnam, based in California.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Target area
1230-1300	Daily	Vietnamese	9670	Paochung, Taiwan	100	250	49E	South-East Asia

DX INDIA

For detailed information on broadcasting stations in India, please visit the DX India website at <https://www.qsl.net/vu2jos/>

For latest updated AIR A21 schedules please check in the links given below:

- 1) External Service Time Wise: <http://qsl.net/vu2jos/es/time.htm>
- 2) External Service Language Wise: <http://qsl.net/vu2jos/es/Language.htm>
- 3) Complete SW service in Frequency order: <http://qsl.net/vu2jos/sw/freq.htm>
- 4) Station wise SW Schedule of stations: <https://qsl.net/vu2jos/sw/loc.htm>



Asia-Pacific on Shortwave

Edited by Tony Rogers

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British DX Club (BDXC-UK)
Bulgarian DX Blog (Ivo Ivanov)
EiBi Schedules (Eike Bierwirth)
Glenn Hauser Weekly Log Roundups
Hansjörg Bieners DX Digest
hard-core-dx.com
Nagoya DXers Circle (including Aoki List)
World of Radio / WOR io group (Glenn Hauser)
WWDXC Top News / BC-DX (Wolfgang Bueschel)

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