

Here is the festive season:



Jago! Jago!! Jago!!! – Wake up you all

Waking up in the early hours, long before the HF band opens up, in the darkness of the VLF and LF bands, I called upon the Universal Omnipotent Omnipresent Force of DX, to bless all the worldwide community of Dxers and for Aditya to provide us with more major solar flares to open up the Magic Band. I call upon all Dxers to chant Jago! Jago! Jago!

TUK TAK NIK NAK ODDS & SODS

Tuk Tak Nik Nak, is a regularly irregular feature about all the odd items from the bottom drawer of the HQ office desk, to bring a smile to your face and some light hearted relief, after the difficult night trying to log the most slippery and elusive “Radio Eels”, broadcasting from the Rebel controlled, disputed self-declared ‘Peoples Democratic Republic of TransSlipenia’.

Loafer
3D2F, CU2MORO



Jenab: This is not a chappal and shoe fashion magazine. It's for Radio Listeners and Dxers... Hazoor: One needs very good Loafers while trying to traverse the dark and sparse region of the VLF and LF bands.

Season's Greetings to Dxers from 'the Loafer'

Minsk se Mumbai ki Mohabbat

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Dead line for next issue is November 25th 2023

Radio enthusiasts from all over the world are requested to send in their write-up, loggings, report and feedback to: idxc.international@gmail.com



Indian DX Club International
P.O.Box 646, Kolkata 700001,
West Bengal, India

All images used in this newsletter come from personal scans/photos, station websites or via Google images.

(Instructions for best listening experience: must be taken with a pinch of salt, twist of lemon and shots of 'Minskaya Kristall Rare Triple Sec, after reading each paragraph)

Following the excellent introduction of the Belka SDR, by OM SBM, this is a follow up Love Story. Many of us remember 'Radio Peace and Progress', an era when many of the CCCP/USSR Republics broadcast independently from their respective capitals, viz, Radio Riga, Radio Vilnius, and others, with Radio Minsk broadcasting from the then Byelorussian SSR, now Belarus.

For those of us, Dxing in the Post Gorbachev era, a little background would be helpful.

Svetlana Agarwal, the world-famous Bollywood and Minsk wood, actress, singer, artist, producer, choreographer, resident of Minsk and Mumbai, is well known to you all. She was born in Minsk, in then known as Byelorussian Soviet Socialist Republic, now known as Belarus. From a very early age, she had an angelic voice and a very keen ear, listening to the Golden Olden Hindi film songs that her parents would listen to. For OT (old timers like me), we remember the 'Cold War' era when CCCP/USSR did not permit any Hollywood films, so the alternative was films from Bombay, dubbed in Russian. So Svetlana fell in love with the Hindi film songs, singing them, long before she became fluent in Hindi and now some other Indian languages. She spends her professional time between Minsk and Mumbai, *"With Love"*.



Also from Minsk, we are familiar with the beautiful lady called Selena. Multi-band portable transistor from Minsk Radio Works. The early sets were single conversion superhet, covering LW, MW, FM and 5 SW bands. As can be seen, it had an analogue scale for the bands. It also had a basic signal strength indicator, sort of S-meter. As some of the internals were borrowed from VEF, Riga, Latvia, a lot of the mechanism were similar. The IF was set at 465Khz and 10.7 Mhz for the FM band. With its part wooden frame, some of the sets were close to 4 Kg in weight.



белка the love story of the three
BELKA squirrels from Minsk, Belarus



Brought to you expressly by Belavia,
now with direct flights from Belarus to India

The Belka SDR is so tiny, literally the size of a matchbox, that I just couldn't believe it was a fully functioning DSP SDR at par with most table top commercial DSP SDRs. Unlike the USB sticks and similar systems, which may require a tablet/laptop or desk top to operate, the Belka is all inclusive and even has a knob to turn around. For Old Timers (OT) like me, I feel a knob – the encoder, is more comfortable than the 'mouse'. Many of us can remember the era of 'Radio Peace and Progress', when the tiny VEF Minox, from Riga, Latvia, was the smallest and ultimate sub-miniature film camera, a must have for all those in the cloak and dagger trade. Likewise, it wasn't just FOMO, but the Belka SDR is a necessity for intrepid Dxers like me, who found the 'ultra-lights' were taking up too much space in my carry-on bag. So now I travel with my new series of 'super-lights'.



In my opinion, Fernando Duarte of Fenu-Radio, www.fenu-radio.ch, has extensively tested all three of the Belka series of SDRs and compared these with the likes of large table top DSP professional communications receivers. Fernando and a few others have made excellent audio recordings, for comparison with other heavy weight table tops.

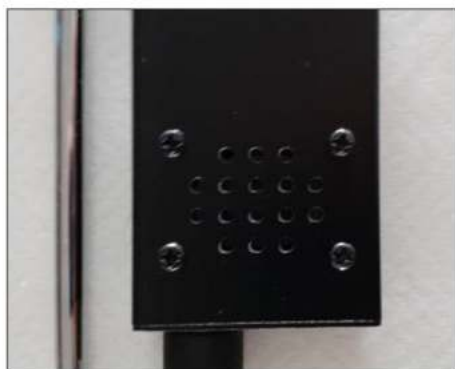


Now back to the three Squirrels, not the fast-food nuts, but the Belka. Before the pandemic, the virtual world was abuzz with whispers of a new matchbox size shortwave receiver with DSP. This was the brainchild of electronics genius Alexander A. Buevsky, EU1ME. Many other prototypes would appear, but just like the mayflies of summer, before you knew it, they disappeared. But not Alex's first squirrel the Belka DSP.



Weighing in at a minuscule 95g, with a height of 50mm, width of 84mm and depth of 20mm, it was a marvel of technological achievement. Due to its small size and space taken up by the battery, it lacked a speaker, so it had a 3.5mm stereo jack output for earphones or external speaker. It came with a 70cm detachable antenna with a BNC connector. It covered the HF range of 3.5 MHz to 31 MHz and was able to receive CW, AM, AMS, LSB, USB, NFM, with bandwidths of 2.4, 2.7, 3.0, 3.5, 4.0, 4.7 khz. It also had 32 Memory bank. All the receivers' functions were controlled by the use of the four soft touch buttons and the encoder on the right side. It had a long battery life of over 24 hours of listening.

As with everything, there were antagonists and protagonists, but Alex is an acute observer and keen listener. The short comings were addressed in the next iteration, the Belka DX.



So this squirrel had a built in speaker, and as can be seen in the image, the frequency range extended from 1.5 MHz to 31 MHz, so a little segment of the MF was included. The form factor remained the same except for the speaker at the rear. The detachable antenna of 74 cm still comes with the BNC connector. Furthermore, this 'super light' comes with an I/Q interface for viewing the data on a screen, with spectrum

and waterfall display. It is probably the only microminature quasi professional communications receiver to have this facility to interface with the sound card input of a computer, to have a display, spectrum bandwidth of 40 KHz, signal demodulation and waterfall. With the extended frequency range, some of the filters were adjusted accordingly. I received the Belka DX in 2020, in anticipation of the imminent opening of the international borders, post pandemic border lockdown. Now I was a “super light” Dxr and the squirrel was in my jacket pocket. As it so tiny it would have been better with a little stand. There are some aftermarket stands available, Also, due its small form factor, any contact with the antenna changes the Z and results in the loss of signal. As a well-known “Loafer” to my OT friends at HQ, I did miss the VLF/LF bands on the Belka DX.

The Belka DX had excellent reception with the antenna supplied. I tried it with a portable loop, but the loop did not give me any better performance. I didn't have the opportunity of using any outside external antennae. Nevertheless, there have been some technical work by various authors and researchers, connecting the Belka with various different antennae, including dipoles, longwires, beverages and others.

Time passes very quickly and Alex has once again surprised the Dxers community, with his latest squirrel, jumping around from 100 KHz to 31 MHz, called just Belka, which I would refer to as Belka Version 3. It has the same match box size form factor, with the built-in speaker and the detachable antenna connected via the BNC connector.

The new Belka, 0.1 -31 MHz All-mode, the frequency range extended from 100 KHz to 31 MHz, to the delight of “Loafers” / Lowfers, like me, chasing NDB's and costal stations around the world. As the Long wave and medium wave bands have been included, there is now a 9 Khz tuning spacing instead of the previous 10 Khz. I'm sure this is for the AM stations in regions 1 and 3, rather than to 10 Khz of region 2. It still packs everything in 95 grams weight!!



The Belka V3, lower limit of 100kHz, with resolution still down to 10Hz!!! All the Belka models have 0.5 ppm TCXO for extreme accurate stability and frequency readout!! This makes it the hyper ultraportable sub-miniature quasi-professional communications receiver, the squirrel in your pocket, covering VLF, LF, MF and HF up to 31 MHz.. It continued to have pseudo-synchronous detection, a feature in large table top professional communications receivers.



Belka V3 speaker in the rear



Right side with the encoder and the I/Q out, 3.5 mm stereo connector



Left side with micro-USB for recharging, BNC connector and audio out



Battery level right corner of screen



Modes, CW LSB, USB, AM1, AM2, NFM



Sensitivity



CW centre



AM High Cut Off



AM Low Cut Off

Attachments



Ear phone on left side, charging cable on left side, BNC antenna connector on the left side, I/Q out with USB 2.0 on right side. Also, possible to connect I/Q 3.5 mm stereo out to USB C or IOS for Apple



Belka with an Android phone screen. It is very important to use a 3.5 mm stereo output for the I/Q connector or else there could be some damage to the receiver. In conclusion, the Belka receiver from Alex, is the ultimate portable standalone micro miniature professional communications receiver in your pocket, with the possibility of attaching any tablet, phone or computer for a display. A few things which I found while using it, any contact with the telescopic antenna results in loss of signal, as it is a very high Z antenna. Working inside very large buildings, the steel structure of such buildings does affect the reception and hence an external antenna would be useful. Of course, it does not have any FM broadcast band, which the cheap copycat receivers have. This itself is a positive point as it is not intended for that market, as seen in the clone pictured below:



With love from Minsk to Mumbai.
Loafer





GREEN EARTH NET

HF - 20 Meter Band

(14.220 MHz + - 5 KC)

Saurav ~ VU3JXF

Babul ~ VU3ZBG



GREEN EARTH NET
Pandal artists of Bengal

Durga Puja
pandal

Green Earth Net
November Topic
Pandal artists of Bengal

Join Us on 5th November, 2023
between 12:30 UTC - 13:00 UTC
on HF - 20 Meter Band

An Initiative Of VU3JXF
Initiative Supported By VU3ZBG
Join Us on Air
on
1st Sunday of Every Month
to support our initiative

vu3jxf@gmail.com babulgupta@gmail.com

Indian DX Club International (IDXCI) is a loose association of DXers mainly from India. Head Quartered at Kolkata, India the association brings out "Asian DX Review" DX bulletin presently an online publication distributed free. It has also been active in organising DX peditions and promoting the hobby of radio DXing in general.

THE ASIAN DX REVIEW is a publication of the Indian DX Club International

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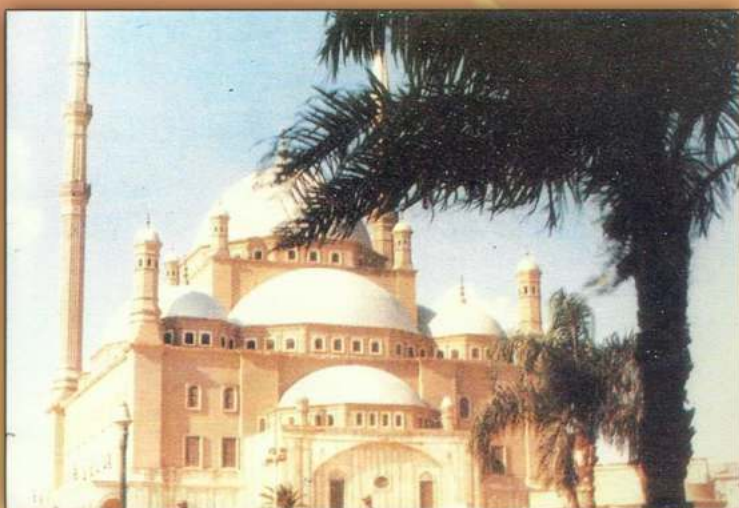
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Radio Cairo

Radio Cairo External Service (Egypt)



IDXCI

NOVEMBER - 2023

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		



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Radio Listening and the Eclipse: An Unforgettable Adventure

by Sandipan Basu Mallick (VU3JXD)

14th October, 2023 around 8:30pm India Time when the entire nation is glued to the television set watching the high voltage India Pakistan Cricket World Cup Match. Like everyone Babul Gupta, a septuagenarian staying at Barasat, West Bengal, India, which is in the outskirts of Kolkata, was following the proceedings of Cricket Match. Suddenly he recalled something and hurriedly turned off the television to pick up his portable radio set and rushed towards the rooftop.

Sometime later hearing some screams coming from rooftop, his family realised that it is not the neighbour cheering on the fall of wicket in cricket but it's the voice of OM Babul. They rushed to the roof to find Babul, with radio set in his hand jumping with joy and shouting "Rangoon", "Rangoon".

Babul's passion for radio comes a long way from his early teens, his family knows about the passion of radio listening, and various radio adventures the old man achieved over time.

This time it was something different. "Rangoon" in present day known as "Yangon", is the past capital of Myanmar, formerly known as Burma, the country where Babul spent his early childhood and have some fond memories. After a long time, he was able to listen to a radio station over 1000 kms or roughly 635 miles aerial distance away from his place. What made this so special for him that this time it was just a standalone radio receiver and at a time when there's a total solar eclipse happening exactly on the opposite side of the world.

The 14th of October 2023 was a day that DXers had been eagerly waiting for a long time. It was the day of the Total Solar Eclipse (TSE) and viewable from USA followed by parts of Mexico, Central America, Colombia and Brazil. Very few people in India had interest regarding this phenomenon of solar eclipse happening on the other part of the world. But it caught the fancy of the members of Indian DX Club international when they came across the initiative of The HAMSci Community which is led by The University of Scranton Department of Physics and Engineering W3USR in collaboration with various other universities. This is a group of amateur radio operators and scientists working together in tandem to study the ionosphere and further the radio hobby.



Among various activities to monitor the impact of solar eclipse, which was primarily focused on the area of direct and partial path of the eclipse. Babul is a veteran in the world of DXing and chased radio propagation on February 16th, 1980 when the Total Solar Eclipse passed over the Bay of Bengal area in India. This is the time when the members of IDXC set out for their first ever DXpedition in the coastal areas Bay of Bengal on the path of totality. This was inspired by the Prof D. D Meisel of New York State University who then sought help of Radio DXers from IDXC with their findings during the total solar eclipse. IDXC published their observations in their monthly publication. Dr S. Chowdhury, a HQ staff of IDXC at that time, made a presentation at "Chitrabani", Kolkata regarding the TSE vis-à-vis radio propagation.



Experienced DXers know that the blocking out of radiation from the sun during a total solar eclipse can introduce temporary night time listening conditions over an area far beyond the path of totality in the AM Broadcast Band and the lower short-wave bands.

Babul had predicted that the moon's passing would result in an incredible boost in signal strength, in the opposite part of the earth which will allow him to hear distant radio stations that otherwise couldn't be heard in normal conditions and without additional equipment. And he was right. On the day of the eclipse, DXers the world over were treated to a unique and rare experience. Signals from distant stations were suddenly and unexpectedly strong enough to be heard clearly. With Tera Bytes of radio recordings from all over the world who were monitoring the radio waves, the HAMSci Community members a vast resource to study and make some incredible discoveries to further the radio hobby.

Scientists and researchers were excited with the recordings and preliminary findings they were able to make that day, and they knew that the next solar eclipse on April 8th, 2024 would bring even more potential for discovery.

DXers everywhere were already anticipating the event, and were determined to make the most of it.

The 14th of October 2023 was a day that DXers had been waiting for a long time, and it did not disappoint. With the discoveries made that day, it once again had proved how powerful and incredible the effects of the eclipse could be, and DXers everywhere were already counting down the days until they could again experience this rare phenomenon.

Babul Gupta's Eclipse Log – Comparative Study

On 14th October, our DXer friends of IDXCI monitored the MW Band during the Eclipse time.

The findings on the MW Band are quite interesting and even if the eclipse was not in the path of the Indian Subcontinent, Babul was able to log MW station as far as 1021 Kms or 635 Miles approx. Aerial Distance.

Station/Transmitter Site	Country	Frequency	14th October (Eclipse Time)		17th October (Post Eclipse Tstudy)		
			Aerial Distance	Time	SIO	Time	SIO
Akashwani, Chinsura Transmitter	India	594 KHz	38 kms / 21 Miles	15:08 UTC	5-5-5	15:10 UTC	5-5-5
Bangladesh Betar, Khulna	Bangladesh	558 KHz	108 kms / 67 Miles	15:13 UTC	5-5-4	15:04 UTC	4-3-4
Radio Nepal, Kathmandu	Nepal	792 Khz	641 kms / 398 Miles	15:08 UTC	5-5-5	15:13 UTC	4-4-4
Myanmar Radio, Yangon	Myanmar	576 Khz	1021 kms / 635 Miles	15:32 UTC	5-5-5	15:07 UTC	2-3-3

To make a comparative study of the band condition, he monitored the same frequencies a few days later. As compared the post eclipse condition for these stations, the difference is clearly visible where the furthest station could barely be heard.



Freq	Time	SIO	Station, Country, program & Reception detail	Date	Cont
540	2339	333	Radio Thailand, Mukdahan in Thai talk between Y? & OM.	29/10	BG
549	2251	333	AIR Ranchi, Jharkhand with special program "Mahishasur Mardini"	13/10	BG
594	2253	555	AIR Chinsurah, West Bengal with special program "Mahishasur Mardini"	13/10	BG
603	2255	322	AIR Ajmer, Rajasthan with special program "Mahishasur Mardini"	13/10	BG
621	2256	343	AIR Patna, Bihar with special program "Mahishasur Mardini"	13/10	BG
648	2257	322	AIR Indore A, Madhya Pradesh with special program "Mahishasur Mardini"	13/10	BG
657	2258	555	AIR Kolkata A, West Bengal with special program "Mahishasur Mardini"	13/10	BG
684	2259	333	Radio Nepal via Pokhara in Nepali OM talk with YL.	13/10	BG
711	2300	343	AIR Siliguri, West Bengal with special program "Mahishasur Mardini"	13/10	BG
756	2302	333	AIR Jagdalpur, Chhatisgarh with special program "Mahishasur Mardini"	13/10	BG
792	2303	343	Radio Nepan via Kathmandu in Nepali with Bhajan by YLs.	13/10	BG
810	2304	322	AIR Rajkot A, Gujarat with special program "Mahishasur Mardini"	13/10	BG
819	2349	333	Radio Thailand, Bangkok (Pathum Thani) in Thai YL talk f/by song by YL.	29/10	BG
846	2305	222	AIR Ahmedabad, Gujarat with special program "Mahishasur Mardini"	13/10	BG
1143	2306	333	Radio Nepal via Bardibas in Nepali talk between two OM's regarding Navratri.	13/10	BG
1242	2307	322	ATR Varanasi, Uttar Pradesh with special program "Mahishasur Mardini"	13/10	BG
1350	2356	322	Phon Neung RoR Bangkok with beautiful Thai song by YL.	29/10	BG
1404	2308	333	AIR Gangtok, Sikkim with special program "Mahishasur Mardini"	13/10	BG
1449	1400	444	Voice of Maldives in Dhivehi from Male songs by OM's.	06/10	PSS
5860	0102	333	Radio Farda in Persian via Kuwait (250 KW)	20/10	JT
5875	0005	444	VOA in Burmese via Udon Thani news report by YL.	29/10	BG
5915	0014	333	Myanmar Radio in Burmese via Naypyidaw with prog. For children.	29/10	BG
5935	0210	322	WWCR University Network in English via Nashville Gospel talk by YL.	17/10	BG
5945	1625	444	CNR 1 in Chinese via Beijing songs by YL.	04/10	PSS
5985	0007	433	Myanmar Radio via Yangon in Burmese OM talk about water supply.	29/10	BG
6000	0104	333	IRIB in Tajik via Sirjan (500 KW)	20/10	JT
6090	0017	333	CNR 2-China Business Radio in Chinese via Golmud YL talk.	29/10	BG
6105	0207	333	NHK World Radio Japan in Japanese via Issoudun with beautiful Japanese song by OM.	17/10	BG
6110	1630	444	The Holy Tibet in English via Lhasa traditional songs by YL.	04/10	PSS
6165	0010	333	Thazin Radio via Naypyidaw with Burmese song by OM.	29/10	BG
6195	0105	444	China Radio International in English via Nanning (100 KW)	20/10	JT
7210	0020	333	PBS Yunan in Vernacular via Kunming YL talk.	29/10	BG
7240	0106	333	China Radio International in Urdu via Kashi saibag (100 KW)	20/10	JT
7310	0107	333	PBS Xinjiang in Chinese via Urumqi (100 KW)	20/10	JT
7425	0108	544	BBC news in Englidsh via Al Seela (250 KW)	20/10	JT
7435	0346	333	Voice of Vietnam in Vietnamese via Hanoi-sontay YL talk.	15/10	BG
7600	0109	222	Afghanistan International TV in Pashto via Tashkent (100 KW)	20/10	JT
9330	1517	444	Voice of wilderness Korean from Tashkent talk by OM.	01/10	PSS
9330	0203	322	WBCQ World's Last Chance in Spanish via Monticello OM talk about Christ.	15/10	BG
9345	1532	444	FEBC Radio Liangyou Chinese via Iba Christain thoughts by YL.	01/10	PSS
9370	0414	333	Radio Farda in Persian via Kuwait with songs by YL.	15/10	BG
9370	1518	444	VOA in Burmese via Tinang OM talk.	01/10	PSS
9395	0416	322	The Overcomer Ministry via Okeechobee with chorus songs.	15/10	BG
9400	0642	333	The Overcomer Ministry in English via Kostinbrod with Gospel song by YL.	25/10	BG
9440	0639	322	BBC in Hausa via Ascension Island talk between YL & OM.	25/10	BG
9445	1519	444	Adventist World Radio in Tamil via Tashkent thoughts from Bible by YL.	01/10	PSS
9470	0419	333	Ifriky FM in Arabic via Bechar with OM talk.	15/10	BG
9470	1535	444	Adventist World Radio in Oriya via Trincomalee Christain songs by OM's.	01/10	PSS
9480	0422	333	Radio Azadi (R. Free Afghanistan) in Pashto via Biblis OM talk about recent War	15/10	BG
9495	0108	333	BBC World Service via Tashkent (100 KW)	20/10	JT
9630	0105	322	CNI - 1 Voice of China in Chinesae via Golmud (100 KW)	20/10	JT
9640	1525	444	Voice of Iran IRIB Arabic from Sirjan talk by YL.	01/10	PSS

9695	1526	444	Radio Saudi in Pashto from Riyadh Islamic thoughts by YL.	01/10	PSS
9720	1527	444	IBRA media in Pashto from Al Dhabbiya talk by OM.	01/10	PSS
9760	1528	433	World Christain Broadcasting in Chinese via Anchor Point, Alaska OM talk.	01/10	PSS
9785	1530	444	KBS World Radio in English via Kimjae K Pop songs.	01/10	PSS
9790	0648	333	Radio France International in French via Issoudun YL & JM talk f/by by music.	25/10	BG
9820	1536	444	Deutsche Welle in Husa via Pinheiro OM talk	01/10	PSS
9830	0651	322	Voice of Beibu Bay in Thai via Nanning talk by OMs	25/10	BG
9920	1530	444	FEBC Radio Russian from Bocaue talk about Christ by YL.	01/10	PSS
9950	1442	444	All India Radio in Dari via Delhi film songs by YL.	05/10	PSS
9990	1531	333	Radio Free Asia in Korean from Tinian Island talk by OMs.	01/10	PSS
11600	1633	333	The Overcomer Ministry in English via Kostinbrod OM talk about Jesus Christ.	04/10	PSS
11620	1524	433	Voice of Martys in Korean through Tashkent talk by YL.	01/10	PSS
11645	1532	444	IRIB in English from Sirjan news bulletin by OM.	01/10	PSS
11650	0401	333	Radio Tamazuz in Jubbly via Talata-volo... talk between OMs.	16/10	BG
11655	1533	544	Radio Japan Hindi service via Yamata Hindi Samachar by YL.	01/10	PSS
11700	0405	333	Radio France International in French via Issoudun talk by YL.	16/10	BG
11720	1534	433	Voice of Vietnam in Vietnamese from Hanoi talk by YL.	01/10	PSS
11740	0407	333	Radio Romania International in Romanian via Galbeni talk between OM & YL.	16/10	BG
11745	0408	444	Al-Azm Radio in Arabic via Jeddah songs by chorus singers.	16/10	BG
11760	0410	454	CNR 1 Voice of China in Chinese via Shijiazhuang news report by OMK.	16/10	BG
11760	1635	544	Voice Yiaki/Bayroyiaki in Tigriya talk by OM.	04/10	PSS
11765	1535	444	China Radio International in Nepali via Kunming-anning news (500 KW)	01/10	PSS
11860	0111	555	Voice of Turkey Pashto from Emirler talk by OM.	20/10	JT
11885	1443	444	Voice of Vietnam in Russian from Hanoi talk by YL.	05/10	PSS
11905	0416	333	Voice of Islamic Rep. Iran in Arabic via Sirjan Quran recitation by OM	16/10	BG
11945	0110	343	Al – Azim Radio via Jeddah in Arabic (250 KW)	20/10	JT
11975	1639	444	Radio Romania International in French via Galbeni Bacau talk by OM.	04/10	PSS
12005	1537	444	Radio Farda in Persian through Woofferton talk by YL.	01/10	PSS
12015	1539	333	Voice of Korea in Russian from Kujang songs by YL.	01/10	PSS
12020	1110	433	VOA Deewa Radio in Pashto via Udon Thani (250 KW)	02/10	PSS
12035	0111	333	Voice of Vietnam in Japanese from Hanoi tal	20/10	JT
12095	0216	333	BBC via Al Seela in Pashto OM talk about Pakistan.	17/10	BG
13590	0112	444	Ifrikiya FM in Arabic with music (300 KW)	20/10	JT
13670	0112	333	SOH Ximang Zhi Sheng in Chinese-Middei.	20/10	JT
13670	0423	333	PBS Xinjiang in Uyghur via Urumi YL talk.	16/10	BG
13680	1445	444	Radio Japan in Persian via Issoudun talk by YL.	05/10	PSS
13740	0325	322	Voice of Islamic Rep. Iran in Hebrew via Sirjan songs f/by OM talk.	16/10	BG
13760	0210	544	World Christian Broadcasting in EE via Mahajanga OM talk about Jesus Christ.	02/10	PSS
13770	0113	333	CNR 7 Radio the Great Bay, Cantonese via Kashi saibagh (500 KW)	20/10	JT
13790	0428	333	BBC in Somali lang. s/off at 0430 hrs. UTC.	16/10	BG
15030	0432	444	All India Radio via Bangaluru in Persian talk about PM Modi by OM.	16/10	BG
15030	1102	444	All India Radio in Chinese via Bengaluru songs by YL.	02/10	PSS
15090	0435	343	Radio Azadi (R. Free Afghanistan) in Dari via Kuwait talk about War in Israel.	16/10	BG
15185	0438	343	All India Radio via Bangaluru in Pashto talk by YL.	16/10	BG
15195	1106	444	Radio Free Asia in Laotian via Tinian Island talk by OM.	02/10	PSS
15285	0411	333	Radio Saudi International in Indonesian via Riyadh Quran recitation by OM.	16/10	BG
15300	1446	444	Bible Voice BCN Nue from Tashkent talk by OM.	05/10	PSS
15365	0446	333	Mashaal Radio in Pashto via Al-Dhabbiya with songs by YL.	16/10	BG
15460	1355	444	Reach Beyond Australia in English from Kununurra talk by OM.	06/10	PSS
15460	1922	443	Adventist World Radio in Chinese via Tricomalee (125 KW)	01/10	TA
15515	0111	232	Reach Beyond Australia via Kununurra EE religious talk by YL & religious song.	20/10	JT
15520	1540	444	Radio Exterior de Espana in Spanish from Nobleja tal by OM.	01/10	PSS
15550	1559	444	JRC Radio Tamazuj Jubbly via Santa Maria songs by OM	01/10	PSS
15580	1420	433	Voice of America from Selephibiphiwe 'Borders Crossing' songs by YL	05/10	PSS
15630	0449	333	Iran International TV in Persian via Tashkent talk between OM & YL.	16/10	BG
15640	0320	444	Radio Pilipinas in English from Tinang traditional songs by OM.	06/10	PSS
15665	0451	444	China Radio International in Russian via Urumi Hutubi YL talk.	16/10	BG
15770	0454	322	WRMI Radio Liberty in Russian via Okeechobee talk between OMs with music.	16/10	BG
17570	1705	444	Adventist World Radio in Swahili via Moosbrunn OM talk about Christ.	05/10	PSS
17655	0218	454	China Radio International in Tamil via Kashi saibagh OM talk news report.	17/10	BG
17720	1056	444	Adventist World Radio in Mongolian via Agat instrumentals music.	02/10	PSS

17790	0221	454	Radio NUG in Burmese via Paochung with news report by YL.	17/10	BG
17800	1606	444	Deutsche Welle in Amharic from Issoudun talk by YL.	01/10	PSS
17830	1607	444	BBC Radio in English via Ascension Island news bulletin by YL.	01/10	PSS
17880	1057	444	Radio Azadi in Dari through Udan Thani OM's conversation.	02/10	PSS
17890	0224	444	CNR 1 Voice of China in Chinese via Beijing news read by YL f/by music.	17/10	BG
21550	0535	444	Radio Romania International in English, news bulletin about Asian Games.	02/10	PSS
21550	1610	444	Ifrikyia FM in Arabic from Bechar talk by OM.	01/10	PSS
21580	1706	444	Radio France International in French from Issoudun talk by YL	05/10	PSS
21670	1050	444	Radio Saudi International via Riyadh OM talk about Islamic thoughts.	02/10	PSS
21800	0228	343	SOH Xi Wang Zhi Sheng in Chinese via Miaoli YL & OM talk f/by music.	17/10	BG

NB: All times in UTC, days and dates are day/month, unless otherwise stated. Logs are entered in frequency order.

Abbreviation: **OM** = Old Man (Male), **YL** = Young Lady (Female), **Px** = prog., **Mx** = Music, **Nx** = News, **w/** = with, **f/** = from, **Xmtr** = Transmitter.

Language abbreviations: **AA** = Arabic, **BB** = Burmese, **CC** = Chinese, **CT** = Catalan, **DD** = Dutch, **EE** = English, **FF** = French, **GG** = German, **HA** = Hausa, **II** = Indian, **IT** = Italian, **JJ** = Japanese, **KK** = Korean, **PP** = Portuguese, **RM** = Romanian, **RR** = Russian, **SS** = Spanish, **VV** = Vernacular.

Contributors: **BG:** Babul Gupta, Barasat, West Bengal, India. **Rx:** ICOM IC-R75, TESUN S-2000, JRC JSB – 176 SSB Marine Radio, XHDATA D-808 **Ant:** Inverted V antenna, J Pole, Whip antenna & Diamond HF Multi band wire dipole (Trap) Ant.

PSS: P.S.Sekar, Kumbakonam, Tamil Nadu, India. **Rx:** Tecsun 606. **Ant:** Telescopic Antenna.

TA: Tony Ashar, West Java, Indonesia. **RX:** RETEKESS. **Ant:** Telescopic Antenna.

JT: Dr Jaisakthivel Thangavel, Chennai, Tamilnadu, India.

DX news

by Alokesh Gupta ~ VU3BSE



EDXC Conference at METZ



The 2023 EDXC conference went to plan, with presentations, visits to historic radio sites, and international friendship and socialising, plus early plans for the 2024 conference. A huge thanks to Christian Ghibaudo, Assistant Secretary General of the EDXC for arranging and facilitating it.

EDXC member Eric Tiffon made a video showing some highlights, which can be viewed here.

EDXC member Alan Pennington, as ever, wrote an excellent report for the British DX Club in October's Communication. It will soon be available online too, along with past conference reports, at <http://bdxc.org.uk/articles.html>

Christian Ghibaudo and Chrissy Brand are both stepping down from their EDXC roles which they have held since late in 2018.

via - chrissynumero19 i.e. Chrissy Brand!

International SWL Contest in November and December 2023

Frank SWL F14368 Paris France

SWL F-14368 FRANK, informs about the International SWL contest in November and December 2023.
Contest Date 01 November 2023 to 31 December 2023

It is not necessary to register to participate in the contest, send your list of countries (radio transmitter) you have listen at the end of the contest in January 2024

This SWL contest is to encourage listening to medium wave and shortwave radios stations all over the world. This SWL contest is open to SWL all over the WORLD.

Frank informs that he thought about organizing this competition. This is only for the FUN; participants can use physical radio receiver and it is also possible to use a WEB or KIWI SDR but the SDR must be always at the same place.

Example if participant uses the Web SDR in Twente Netherlands Europe, then participant must make all the listening from this web SDR on SW and MW.

If participant is from another continent, participant can choice to use Web SDR in Europe or on another continent

It will be two categories

First Category: Real radio receiver users or you have a SDR on your computer (not SDR on internet)

Second Category: Web or Kiwi SDR online on internet

Participant must have a FACEBOOK page.

Sponsorship - If you want to be a sponsor of this SWL CONTEST and offer a book, radio, antenna etc to the best scores please contact Franck Fzeroduw on Facebook

<https://www.facebook.com/profile.php?id=100009933974595>



Who is Frank F14368

I am Frank SWL F14368 since 1981, my city is near Paris France

Franck Fzeroduw is my Facebook name because my amateur radio call sign is FØDUW!!!

My FACEBOOK page: <https://www.facebook.com/profile.php?id=100009933974595>

This SWL contest is open to all listeners in the world.

THE GOAL is to listen to a maximum of countries (Transmitters) in the world on MW and SW

MEDIUM WAVE 530 kHz to 1602 kHz

<https://mwcircle.org/1-introduction/>

https://en.wikipedia.org/wiki/Medium_wave

SHORTWAVE

- Bande des 120 mètres : 2 300 kHz-2 550 kHz
- Bande des 90 mètres : 3 150 kHz-3 450 kHz
- Bande des 75 mètres : 3 850 kHz-4 050 kHz
- Bande des 60 mètres : 4 700 kHz-5 150 kHz
- Bande des 49 mètres : 5 750 kHz-6 200 kHz
- Bande des 41 mètres : 7 200 kHz-7 400 kHz
- Bande des 31 mètres : 9 400 kHz-10 050 kHz
- Bande des 25 mètres : 11 500 kHz-12 200 kHz
- Bande des 22 mètres : 13 500 kHz-13 900 kHz
- Bande des 19 mètres : 14 950 kHz-15 700 kHz
- Bande des 16 mètres : 17 400 kHz-18 000 kHz
- Bande des 13 mètres : 21 300 kHz-21 950 kHz
- Bande des 11 mètres : 25 600 kHz-26 100 kHz

The transmitter is the most important, if radio Voice of America broadcast from Thailand this is VALID for THAILAND country, not for USA, after you can listen to a radio who broadcast from USA to confirm USA.

When you have listened to a radio with transmitter in a country you don't need to listen again to this country.

One country on medium wave

One country on shortwave

You can listen France on MW and France on SW.

List of countries in the world for SWL

<https://drive.google.com/file/d/1Uh6A0U7AxpkySfXtDb0DyqysO0fuzBWc/view?pli=1>

<https://www.wwdxc.de/ll2007.htm>

<https://edxcnews.wordpress.com/2021/12/04/edxc-radio-countries-list-2022/>

The operators who listen to the maximum of countries (the transmitters) will be the winners.

You must listen to a maximum of countries on Shortwave (transmitter's places) and you must do the same on Medium Wave, listen to a maximum of countries (transmitter's places) on MW

After I will multiply your SW transmitters, X by your MW transmitters countries listening.

Example you listen to 35 countries on Shortwave X by 20 countries on medium wave = 700 points

I will send an AWARD to all participants by Facebook messenger.
Please send me the list of your radio's stations listening, you can send only with FACEBOOK messenger.
Make a list for SW and a list for MW please
You must send me your lists of countries listening (transmitters) on SW and MW before 10 January 2024

YOU MUST GIVE ME THESE INFORMATIONS:

Your Facebook name and Facebook page (all communications will be only by Facebook)
Your Country (where you live)
Do you use a real radio receiver or a SDR on your computer (not via Internet) or a Web/Kiwi SDR? If you listen via a Kiwi or Web SDR, give me the address of this SDR
If you use a real radio receiver yes what is your radio receiver and antenna
If you use a Kiwi or Web SDR, give me the link to this kiwi or web SDR. Its place, and country, continent.

<https://rx-tx.info/>

This is not an obligation for the web or kiwi SDR to be on your continent

Example you are in Africa, Asia, etc you can use the WEB SDR of Twente Netherlands Europe or other part of the world

<http://websdr.ewi.utwente.nl:8901/>

<https://rx-tx.info/map-sdr-points>

VERY Important

For the MW this is not a problem but for Shortwave many radio stations use relay
Example CRI China radio Int. use relay in Mali Africa and Cuba. For me the important thing is the place of the transmitter. So you listen to CRI in Mali Africa you have not China. Your entry is valid for Mali.
To have China you must be sure the transmitter is in China. If you listen to Mali Africa with CRI you don't need to listen again to radio Mali. Only one country on SW and the same for MW.
Mali is valid only one time.
The goal is to listen more countries (transmitter) as possible on SW and on MW.

NO PIRATE or clandestine radios please (because we don't know where is the transmitter)
Only AM radio on MW and SW (no amateur radio, SSB or radio in DMR please)

If you listen to a radio station in USA on SW, you do not need to listen again a station with transmitter in USA on SW.

Same for MW if you listen for example Netherlands you can listen only one radio transmitter from this country on MW.

This is not an obligation to send a reception report to the radio station and receive a QSL card.
The goal is not to receive QSL cards in this contest.

I hope the rules are not too difficult to understand. You can send me a message on my Facebook if you have questions.

EXAMPLE OF LIST

Station name, country of the transmitter
Example CRI via CUBA relay
Frequency in kHz,
Date like 01 Nov 2023
Local time in your city or UTC (this is not important so you can write time in your city its easier)
SIO or SINPO https://en.wikipedia.org/wiki/SINPO_code

Rating scale	S	I	N	P	O
	Signal strength	Degrading effect of			Overall rating
		Interference	Noise	Propagation disturbance	
5	Excellent	Nil	Nil	Nil	Excellent
4	Good	Slight	Slight	Slight	Good
3	Fair	Moderate	Moderate	Moderate	Fair
2	Poor	Severe	Severe	Severe	Poor
1	Barely audible	Extreme	Extreme	Extreme	Unusable

To be sure that you listen a radio station and you want to know name and place of transmitter you can use

WRTH, Klingenfuss or other books

ON INTERNET

MEDIUM WAVE

https://www.mwlist.org/mwlist_quick_and_easy.php

Choice the continent this is the best way to know a radio with this MW list.

SHORTWAVE

<https://www.short-wave.info/> I think this is one of the best way to know the radio name and transmitter place.

On GOOGLE enter the frequency like 11995 kHz

<https://www.google.fr/>

Google will give you few links very interesting

You can use also:

<https://shortwaveschedule.com/>

<http://hfradio.org/swbc/>

<https://shortwavedb.org/>

<http://www.eibispace.de/dx/bc-a23.txt>

<http://hfcc.org/data/a23/index.phtml>

<http://www.eibispace.de/dx/freq-a23.txt>

The contest will start 1st November 2023 and finish the 31st December 2023.

Send you list of listening via my messenger FACEBOOK before 10 January 2024 please.

Thank you. Good SWL contest.

Frank SWL F14368 near Paris FRANCE Europe

Example of listed (this my listed !!!)

Franck Fzeroduw

<https://www.facebook.com/profile.php?id=100009933974595>

SWL F14368

My City Paris France Europe

My radio Sangean ATS 909 with 10-meter indoor antenna



Hello Friends! Season's Greetings to all of you. Hope we all have enjoyed the biggest festival of Durgapuja and Navaratri with Mahalaxmi Puja very much. Now, Deepawali, the festival of light is ahead of us. So, we are in a very pleasant mood. This month's QSL Review is also a decent looking one with some interesting QSL details. Let's have a look.

NB: Radio stations are listed under the country in which the transmitter (not studio!) is (presumed to be) located. Unless otherwise stated reception report should be considered as sent by electronic mail.

HONG KONG

Hong Kong VOLMET on 13282 kHz (USB mode). Logged this station and send report with audio file, f/d verification letter received after 36 days for my email report to: V/s Connie Ma (Babul Gupta, Barasat, West Bengal, India)

HUNGARY

Nemzetisegi Radio (Tx site Lekihagy & Pecs) 873 kHz, email report verified with full data eQSL received in a day. Email: kovacs.ivan@mtva.hu (Pradip Chandra Kundu, Agartala, Tripura, India)

INDIA

Akashvani Nalgonda 100.1 MHz full data card showing Palace, Leh received by post for report sent by email to spectrum-manager@prasarbharati.gov.in 2 months (Jose Jacob, Hyderabad, Telangana, India)

JAPAN

NHK World Hindi service 11655 kHz report submitted via Webform verified with Full data QSL card showing Mountain stream in Spring received by post after 46 days. (Pradip Chandra Kundu, Agartala, Tripura, India)

NEDERLAND

Radio Delta International Test broadcast on 12075 kHz , Email report verified with full data eQSL received in 2 weeks. Email: info@radiodelta.am (Pradip Chandra Kundu, Agartala, Tripura, India)

NEW ZEALAND

RNZ Pacific 7425 kHz report submitted via Webform verified in a day with full data eQSL signed by Adrian Sainsbury, Freq. Manager. (Pradip Chandra Kundu, Agartala, Tripura, India)

SPAIN

1) RNE Majadahonda, Madrid 657 kHz reception report verified with full data eQSL in a week.
2) RNE, Dos Harmanas, Sevilla 684 kHz reception report verified with full data eQSL received in a week.
3) RNE, Palau de Plegamans, Barcelona 738 kHz reception report verified with full data eQSL in a week.
Email sent for all 3 reports - jantonio.garcia@rtve.es (Pradip Chandra Kundu, Agartala, Tripura, India)

TAIWAN

RTI Test broadcast in Deutsche 11995 kHz two beautiful full data QSL card with photo of Deutsche staff received in 7 weeks by post. Email: rti@rti.org.tw (Pradip Chandra Kundu, Agartala, Tripura, India)

VATICAN

Radio Dabanga on 7315 kHz in Dari lang. logged this station on 9th September 2023 and submitted reception report to: info@dabangasudan.org and f/d eQSL arrived after 19 days. V/s Rachelle Traboulsi, Project Officer, Dabanga – Radio TV (Babul Gupta, Barasat, West Bengal, India)

Encompass Digital Media, Special broadcast "Wooferton at 80" via Wooferton on 15245 and 17785 kHz, both reports verified in a single eQSL (full data) received in two days. Email: radio@encompass.tv (Pradip Chandra Kundu, Agartala, Tripura, India)

Encompass Digital Media – Special broadcast "Wooferton at 80" on 17785 kHz, logged this station on 17th October 2023 and f/d eQSL arrived after 3 days for my email report to: radio@encompass.tv (Babul Gupta, Barasat, West Bengal, India)

UK Encompass 17785 kHz special eQSL for 80th anniversary broadcast of 17 October 2023. 2 days for email report to radio@encompass.tv Reply got from Dave Passi MOMYA (Transmitter Engineer). (Jose Jacob, Hyderabad, Telangana, India)

USA

WRMI Radio Africa on 17790 kHz via Okeechobee, Florida, USA logged on 22nd September 2023 and f/d eQSL arrived after 3 days for my report to: <https://www.wrmi.net/index.php/reception-report-qsl/> (Babul Gupta, Barasat, West Bengal, India)

WRMI 9395 kHz report verified with full data Voice of Indonesia QSL card received by snail mail after 4 months 2 weeks. Email: info@wrmi.net (Pradip Chandra Kundu, Agartala, Tripura, India)





An Unforgettable Christmas Gift for Radio Lovers - WRTH 2024 Preorder!

Can you believe it? In just two months, the most wonderful time of the year will be upon us, bringing with it the joy of gift-giving, twinkling lights, and cherished moments with loved ones. If you're on the hunt for the perfect present for a radio enthusiast or perhaps even for yourself, we have an idea that will make this Christmas truly exceptional.

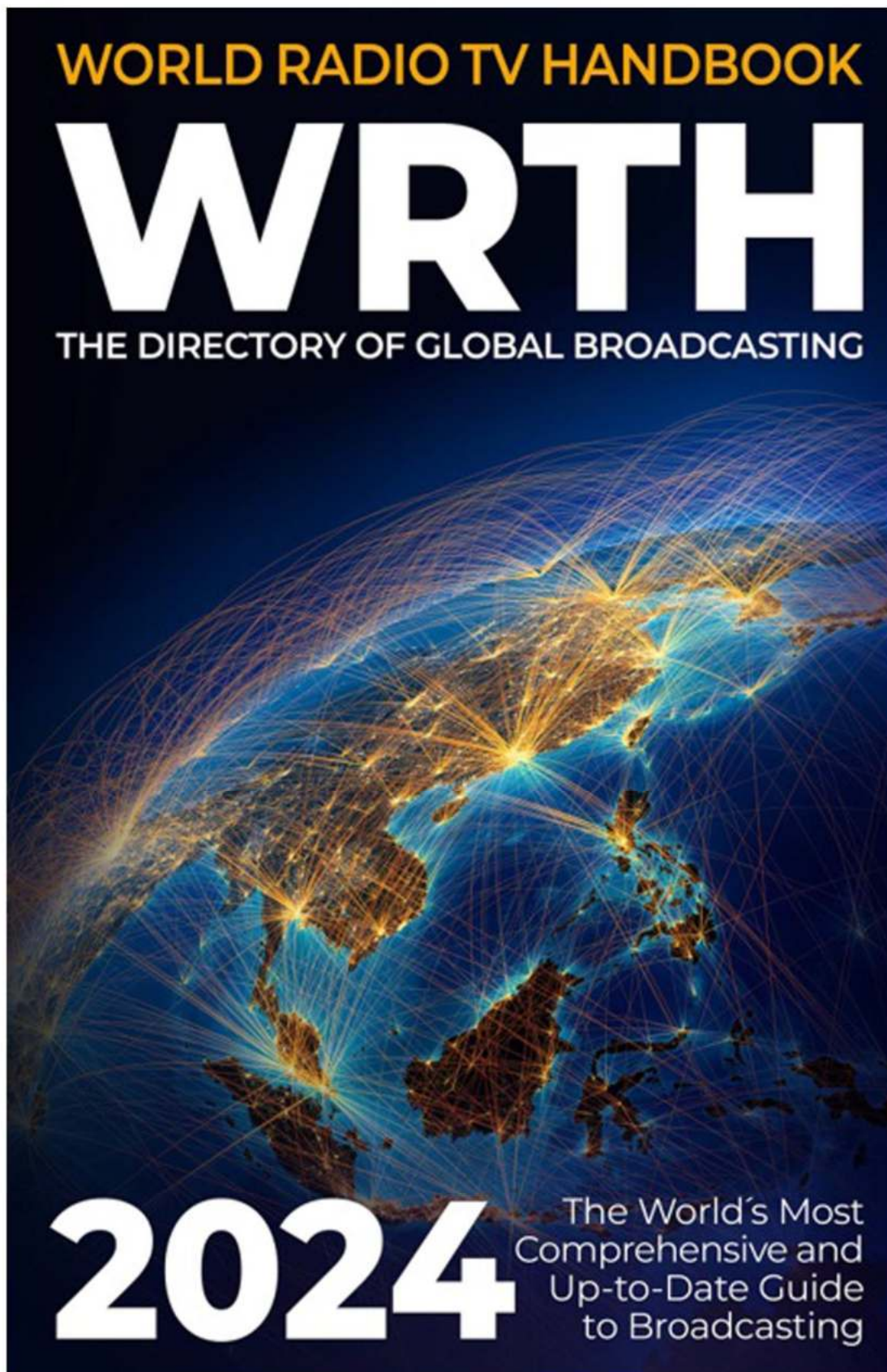
Introducing the WRTH 2024 - a must-have for radio enthusiasts, hobbyists, and those who love to explore the fascinating world of radio broadcasting. With this extraordinary book in your collection, you gain access to a world of knowledge, adventure, and endless entertainment. But here's the twist: this year, you have the opportunity to give a gift that keeps on giving, something that will light up the eyes of your loved ones and add that extra sparkle to your holiday celebrations.

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1. **Radio Enthusiast's Dream:** The WRTH (World Radio TV Handbook) is the ultimate guide for radio enthusiasts, providing in-depth information on broadcast stations from around the globe.
2. **A World of Information:** From frequencies to schedules, transmitter locations to contact details, WRTH 2024 is a treasure trove of knowledge, a valuable resource for radio hobbyists and DXers.
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Avoid the holiday rush, secure your WRTH 2024 preorder today, and make this Christmas season one to remember. Whether you're presenting it to a radio enthusiast in your life or indulging yourself, this gift is something that will be cherished throughout the year.

Make this Christmas extra special with the gift of WRTH 2024. Order now to guarantee that your copy arrives in time for the festive season. Give the gift of radio exploration, knowledge, and holiday cheer - it's a present that truly keeps on giving!



This is how easy it is to order from us:

1. Navigate to our website: shop.radiodatacenter.com/rdc-shop/
2. Select the product and add it to your shopping cart.
3. During the checkout process, utilize the code "earlybird" to enjoy a 5% discount.
4. Finalize your payment.



B23 SCHEDULES

AWR B23

Site	Start	Stop	Language	Service Area	kHz	kW	Days
TRM	0000	0030	Thai	Cambod, Viet, Thai, Laos	9510	125	1234567
SDA	0000	0100	Mandarin	C/N-China	17580	100	1234567
TAC	0000	0030	Vietnamese	Vietnam	11640	100	1234567
SDA	0000	0030	Burmese	Myanmar, Thailand, China	17650	100	1234567
SDA	0030	0100	Karen	Myanmar, Thailand, China	17525	100	1234567
TRM	0030	0100	Asho Chin	Myanmar	9810	125	1234567
TRM	0100	0130	Mandarin	S-China	11830	125	6
TRM	0100	0130	Min Nan Chinese	NE-China	15625	125	12345
TRM	0100	0200	Mandarin	S-China	11830	125	7
TAI	0100	0200	Vietnamese	Vietnam	15445	100	7
TRM	0100	0130	Mandarin	NE-China	15625	125	67
TRM	0100	0130	Min Nan Chinese	S-China	11830	125	12345
TRM	0130	0200	Cantonese	NE-China	15625	125	123456
TRM	0130	0200	Cantonese	S-China	11830	125	123456
TRM	0130	0200	Mandarin	NE-China	15625	125	7
MOS	0200	0230	Urdu	Afghanistan, Pakistan	6100	100	1234567
DB	0200	0300	English	Bangladesh	15510	100	1234567
MOS	0230	0300	Panjabi	Pakistan	6100	100	1234567
TRM	0230	0300	Dari	Afghanistan	15310	125	1234567
MDC	0300	0400	Malagasy	Madagascar	6065	100	1234567
TRM	0300	0330	Tigrinya	Eritrea	15445	125	1234567
TRM	0300	0330	Oromo	S-Ethiopia	15310	125	1234567
MOS	0330	0400	Farsi	Iran	7390	100	1234567
TRM	0400	0430	Anharic	Ethiopia	15310	125	1234567
MOS	0400	0430	Turkish	Turkey	6185	100	1234567
NAU	0430	0500	French	Morocco, Algeria	7325	250	1234567
MDC	0500	0600	Arabic	Egypt, Iraq, Arab Peninsula	17790	125	1234567
MOS	0500	0530	Hausa	Nigeria	9630	100	1234567
MOS	0600	0700	Arabic	Libya	11880	100	1234567
NAU	0600	0630	French	Cameroon, Ghana, (Senegal)	11640	250	1234567
NAU	0600	0630	French	Cameroon, Ghana, (Senegal)	9860	250	1234567
NAU	0700	0800	Arabic	Morocco, Algeria	11980	250	1234567
MOS	0700	0730	French	Cameroon, Ghana, (Senegal)	15610	100	1234567
MOS	0800	0830	French	Morocco, Algeria	15145	100	1234567
NAU	0830	0900	Tachelhit	Morocco, Algeria	15220	250	1234567
SDA	1000	1100	Mandarin	C/N-China	11690	100	1234567
SDA	1000	1100	Mandarin	S-China	15420	100	1234567
NAU	1000	1100	Italian	Italy	9610	125	1
SDA	1030	1100	Mongolian	N-China, Mongolia	15500	100	1234567
SDA	1100	1200	Mandarin	S-China	15210	100	1234567
SDA	1100	1130	Indonesian	W-Indonesia	15500	100	1234567
TRM	1100	1200	Mandarin	NE-China	9610	125	1234567

SDA	1100	1200	Mandarin	C/N-China	11690	100	1234567
SDA	1130	1200	Javanese	Indonesia, Malaysia	15500	100	240
SDA	1130	1200	Sundanese	Indonesia, Malaysia	15500	100	1357
SDA	1130	1200	Shan	Myanmar	15530	100	1234567
SDA	1200	1230	Mandarin	S-China	12080	100	67
DB	1200	1230	Mandarin	NE-China	11620	100	67
SDA	1200	1230	Min Nan Chinese	S-China	12080	100	12345
DB	1200	1300	Korean	Korea	15255	100	1234567
SDA	1200	1230	Mon	Myanmar	15430	100	1234567
TRM	1200	1230	Balinese	E-Indonesia	15450	125	1234567
DB	1200	1230	Min Nan Chinese	NE-China	11620	100	12345
SDA	1200	1230	Min Nan Chinese	C/N-China	9610	100	12345
SDA	1200	1230	Mandarin	C/N-China	9610	100	67
TAC	1200	1300	Korean	Korea	15530	100	1234567
SDA	1230	1300	Meitei	NE-India, Bangladesh	15430	100	1234567
DB	1230	1300	Mandarin	NE-China	11620	100	6
DB	1230	1300	Cantonese	NE-China	11620	100	123457
SDA	1230	1300	Cantonese	C/N-China	9610	100	123457
SDA	1230	1300	Mandarin	C/N-China	9610	100	6
SDA	1230	1300	Mandarin	S-China	12080	100	6
SDA	1230	1300	Cantonese	S-China	12080	100	123457
SDA	1300	1330	Uighur	W-China	9470	100	17
SDA	1300	1330	Mandarin	W-China	9470	100	23456
MDC	1300	1400	Vietnamese	Vietnam	17770	250	1234567
SDA	1300	1330	Bangla	Bangladesh	15255	100	1234567
DB	1300	1330	Nepali	NE-India	15430	100	1234567
TRM	1300	1330	Khmer	Cambod, Viet, Thai, Laos	15550	125	167
TRM	1300	1330	Khmer	Cambod, Viet, Thai, Laos	15550	125	2345
SDA	1300	1330	Kachin	Myanmar	15530	100	1234567
SDA	1300	1330	Asho Chin	Myanmar	15505	100	1234567
TRM	1300	1330	Indonesian	E-Indonesia	11620	125	1234567
SDA	1330	1400	Assamese	NE-India	15550	100	14
TRM	1330	1400	Lisu	Myanmar	15505	125	1234567
TRM	1330	1400	Dawan	E-Indonesia	11620	125	1234567
DB	1330	1400	Thai	Cambod, Viet, Thai, Laos	15440	100	1234567
SDA	1330	1400	Kokborok	Bangladesh	15255	100	1234567
SDA	1330	1400	Hmong	Thailand	15550	100	56
SDA	1330	1400	Isan	Cambod, Viet, Thai, Laos	12085	100	12346
SDA	1330	1400	Indonesian	Malaysia	15550	100	237
SDA	1330	1400	Lao	Cambod, Viet, Thai, Laos	12085	100	57
SDA	1330	1400	Khasi	NE-India, Bangladesh	15430	100	1234567
MDC	1400	1500	Malagasy	Madagascar	6055	100	1234567
TRM	1400	1500	Mandarin	S-China	15710	125	1234567
MDC	1400	1430	Sinhalese	Sri Lanka	15530	125	1234567
SDA	1400	1430	Asho Chin	Myanmar	11620	100	1234567
TRM	1400	1500	Mandarin	W-China	9450	125	1234567
DB	1400	1500	English	Bangladesh	15515	100	1234567
SDA	1400	1430	Karen	Myanmar, Thailand, China	12085	100	1234567
SDA	1400	1430	Mandarin	W-China	9720	100	1234567
MOS	1400	1430	Urdu	Pakistan	17765	100	1234567
SDA	1430	1500	Burmese	Myanmar	15530	100	1234567
SDA	1430	1500	Karen	Myanmar, Thailand, China	15505	100	1234567
MDC	1500	1530	Mizo	NE-India	15600	125	1234567
TAC	1500	1530	Tamil	S-India	12085	100	1234567
SDA	1500	1530	Kannada	S-India	15215	100	1234567
TRM	1500	1530	Nepali	Nepal	9765	125	1234567

MOS	1500	1530	Turkish	Turkey	11955	100	1234567
SDA	1530	1600	English	Nepal, Tibet	15530	100	12347
SDA	1530	1600	Tibetan	Nepal, Tibet	15530	100	56
TRM	1530	1600	Oriya	India-Odisha	9765	125	1234567
SDA	1530	1600	Kannada	S-India	15680	100	1234567
MOS	1530	1600	Punjabi	Pakistan	15265	100	1234567
TAC	1530	1600	Hindi	India-Gujarat	15705	100	1234567
SDA	1530	1600	Hindi	N-India	15215	100	1234567
SDA	1530	1600	Gujarati	C-India	15615	100	1234567
MDC	1530	1600	Malayalam	S-India	15665	125	1234567
TRM	1600	1630	Urdu	N-India	11755	125	1234567
SDA	1600	1630	Telugu	S-India	12040	100	1234567
MOS	1600	1630	Urdu	Pakistan	15265	100	1234567
MDC	1600	1630	Marathi	C-India	17730	125	1234567
NAU	1630	1700	Somali	Somalia	15490	250	1234567
TRM	1630	1700	Pushto	N-India	15360	125	246
NAU	1630	1700	Anharic	Ethiopia	12040	250	1234567
MOS	1630	1700	Farsi	Iran	9760	100	1234567
NAU	1630	1700	Tigrinya	Eritrea	11955	250	1234567
SDA	1630	1730	Korean	Korea	11755	100	1234567
TRM	1630	1700	Sindhi	S-Pakistan	15360	125	1357
MDC	1700	1728	Kiswahili	Tanzania, Kenya, Uganda	11720	250	1234567
TRM	1700	1730	Kiswahili	Tanzania, Kenya, Uganda	15360	125	1234567
MOS	1730	1800	Masai	Tanzania, Kenya, Uganda	17765	100	1234567
NAU	1730	1800	Oromo	S-Ethiopia	11870	250	1234567
SDA	1730	1830	Korean	Korea	15530	100	1234567
MOS	1800	1858	Arabic	Libya	11955	100	1234567
TRM	1800	1900	Korean	Korea	9760	125	1234567
SDA	1830	1930	Korean	Korea	15530	100	1234567
TRM	1900	2000	Korean	Korea	9760	125	1234567
NAU	1900	2000	Arabic	Morocco, Algeria	6130	250	1234567
MOS	1900	1930	Hausa	Nigeria	11955	100	1234567
TRM	1900	2000	Arabic	Egypt, Iraq, Arab Peninsula	11985	125	1234567
NAU	1930	2000	Tachelhit	Morocco, Algeria	9495	125	1234567
MDC	1930	2000	Ibo	E-Nigeria	17730	125	1234567
MOS	1930	2000	French	C-Africa	17765	100	1234567
MDC	2000	2030	French	Cameroon, Niger	17730	125	1234567
NAU	2000	2030	French	Morocco, Algeria	9515	250	1234567
NAU	2000	2030	Moore	Burkina Faso	11795	250	1234567
MOS	2000	2030	Dyula	Burk. Faso, Ivory Coast, Mali	9535	100	1234567
SDA	2000	2100	Korean	Korea	9890	100	1234567
MDC	2030	2100	Yoruba	Nigeria	15420	250	1234567
MOS	2030	2100	French	N-Africa	9535	100	1234567
MDC	2100	2130	Pidgin	Nigeria	11985	250	1234567
TRM	2100	2200	Mandarin	C/N-China	9885	125	1234567
NAU	2130	2200	TWI	W-Africa	9800	250	1234567
TRM	2200	2230	English	W-Indonesia	12040	125	135
SDA	2200	2230	Dayak	W-Indonesia	15680	100	1234567
TRM	2200	2230	Sundanese	W-Indonesia	12040	125	2467
TRM	2200	2300	Mandarin	C/N-China	12060	125	1234567
SDA	2200	2300	Mandarin	NE-China	15625	100	1234567
SDA	2200	2300	Vietnamese	Vietnam	15215	100	1234567
SDA	2230	2300	Javanese	W-Indonesia	15665	100	1234567
SDA	2230	2300	Indonesian	W-Indonesia	15680	100	1234567
SDA	2300	2400	Mandarin	NE-China	17620	100	1234567

SDA	2300	2330	Khmer	Cambod, Viet, Thai, Laos	17570	100	167
SDA	2300	2330	Khmer	Cambod, Viet, Thai, Laos	17570	100	2345
SDA	2300	2400	Mandarin	C/N-China	17530	100	1234567
SDA	2330	2400	Lao	Cambod, Viet, Thai, Laos	17570	100	1234567

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FREQ	START	STOP	DAYS	SITE	POWER	AZI	LANG	CIRAF
11895	1730	1750	.mtwtf.	A SEELA	250	240	Amharic	48
15685	1730	1750	.mtwtf.	DHABAYYA	250	225	Amharic	48
11830	1730	1750	.mtwtf.	S. MARIA DI GALERIA	250	130	Amharic	48
11895	1830	1850	.mtwtf.	A SEELA	250	240	Amharic	48
9705	1830	1850	.mtwtf.	S. MARIA DI GALERIA	250	130	Amharic	48
15310	1330	1400	smtwtfs	DHABAYYA	250	90	Burmese	49NW
7485	1330	1400	smtwtfs	TASHKENT HF	100	131	Burmese	49NW
9560	1330	1400	smtwtfs	TINANG	250	283	Burmese	49NW
1413	0030	0100	smtwtfs	A SEELA	800	35	Dari	40E,41NW
7410	0030	0100	smtwtfs	S. MARIA DI GALERIA	250	84	Dari	40E,41NW
7445	0030	0100	smtwtfs	WOOFFERTON	125	86	Dari	40E,41NW
6195	0130	0200	smtwtfs	A SEELA	250	35	Dari	40E,41NW
7410	0130	0200	smtwtfs	S. MARIA DI GALERIA	250	84	Dari	40E,41NW
7445	0130	0200	smtwtfs	WOOFFERTON	125	86	Dari	40E,41NW
7445	0230	0300	smtwtfs	A SEELA	250	35	Dari	40E,41NW
6195	0230	0300	smtwtfs	A SEELA	250	35	Dari	40E,41NW
5875	0230	0300	smtwtfs	EREVAN	300	100	Dari	40E,41NW
17810	0830	0900	smtwtfs	A SEELA	250	35	Dari	40E,41NW
15310	0830	0900	smtwtfs	A SEELA	250	35	Dari	40E,41NW
17810	0930	1000	smtwtfs	A SEELA	250	35	Dari	40E,41NW
15310	0930	1000	smtwtfs	A SEELA	250	35	Dari	40E,41NW
15310	1030	1100	smtwtfs	A SEELA	250	35	Dari	40E,41NW
17810	1030	1100	smtwtfs	A SEELA	250	35	Dari	40E,41NW
11995	1400	1500	smtwtfs	A SEELA	250	35	Dari	40E,41NW
5975	1400	1500	smtwtfs	A SEELA	250	35	Dari	40E,41NW
11995	1600	1630	smtwtfs	A SEELA	250	35	Dari	40E,41NW
5975	1600	1630	smtwtfs	A SEELA	250	35	Dari	40E,41NW
11995	1630	1700	s.....s	A SEELA	250	35	Dari	40E,41NW
5975	1630	1700	s.....s	A SEELA	250	35	Dari	40E,41NW
11735	1700	1800	smtwtfs	A SEELA	250	35	Dari	40E,41NW
6090	1700	1800	smtwtfs	A SEELA	250	35	Dari	40E,41NW
5875	1700	1800	smtwtfs	EREVAN	300	100	Dari	40E,41NW
5980	0000	0100	smtwtfs	A SEELA	250	63	English	41NE
5875	0000	0200	smtwtfs	TASHKENT HF	100	131	English	41NE
7430	0100	0200	smtwtfs	A SEELA	250	63	English	41NE

1413	0100	0230	smtwtfs	A SEELA	800	80	English	41NW
1413	0230	0400	smtwtfs	A SEELA	800	350	English	39NE,40
12095	0400	0500	smtwtfs	MADAGASCAR	250	315	English	48SW,53NW
1413	0400	0500	smtwtfs	A SEELA	800	350	English	39NE,40
17690	0500	0600	smtwtfs	DHABAYYA	250	215	English	48SW,53NW
15400	0500	0600	smtwtfs	MADAGASCAR	125	265	English	52SE,53SW,57N
12095	0500	0600	smtwtfs	SAO TOME	100	138	English	52SE,53SW,57N
7285	0500	0600	smtwtfs	ASCENSION RELAY	125	65	English	47SW,52
9410	0500	0600	smtwtfs	ASCENSION RELAY	125	27	English	46
6195	0500	0600	smtwtfs	S. MARIA DI GALERIA	250	195	English	46
3955	0559	0700	smtwtfs	WOOFFERTON	250	114	English	27SE,28NW
21560	0600	0800	smtwtfs	DHABAYYA	250	220	English	48SW,53NW
17640	0600	0700	smtwtfs	MADAGASCAR	250	265	English	52SE,53SW,57N
15400	0600	0700	smtwtfs	SAO TOME	100	138	English	52SE,53SW,57N
11810	0600	0700	smtwtfs	ASCENSION RELAY	125	65	English	47SW,52
11830	0600	0700	smtwtfs	ASCENSION RELAY	125	27	English	46
15490	0600	0700	smtwtfs	S. MARIA DI GALERIA	250	175	English	47SW,52
7285	0600	0700	smtwtfs	SAO TOME	100	335	English	46
21660	0700	0800	smtwtfs	MADAGASCAR	125	260	English	52SE,53SW,57N
17640	0700	0800	smtwtfs	SAO TOME	100	138	English	52SE,53SW,57N
15490	0700	0800	smtwtfs	ASCENSION RELAY	125	85	English	47SW,52
15400	0700	0800	smtwtfs	ASCENSION RELAY	125	27	English	46
21470	0700	0800	smtwtfs	S. MARIA DI GALERIA	250	170	English	47SW,52
11830	0700	0800	smtwtfs	SAO TOME	100	335	English	46
15110	0759	0900	smtwtfs	TASHKENT HF	100	163	English	41
9580	1000	1200	smtwtfs	TINANG	250	200	English	51W,54
11850	1200	1400	smtwtfs	A SEELA	250	63	English	41NE
15295	1200	1300	smtwtfs	A SEELA	250	70	English	41NE
1413	1300	1600	smtwtfs	A SEELA	800	80	English	41NW
9410	1300	1400	smtwtfs	TASHKENT HF	100	131	English	41NE
9410	1500	1600	smtwtfs	A SEELA	250	225	English	48SW,53NW
17640	1600	1700	smtwtfs	A SEELA	250	225	English	52SE,53SW,57N
21630	1600	1700	smtwtfs	ASCENSION RELAY	125	114	English	52SE,53SW,57N
7445	1600	2000	smtwtfs	MADAGASCAR	250	320	English	48SW,53NW
25900	1600	1700	smtwtfs	WOOFFERTON	125	165	English	47SW,52
1413	1600	1700	smtwtfs	A SEELA	800	350	English	39NE,40
7265	1700	2000	smtwtfs	MADAGASCAR	125	265	English	52SE,53SW,57N
21630	1700	1800	smtwtfs	ASCENSION RELAY	125	65	English	46
17780	1700	1800	smtwtfs	ASCENSION RELAY	125	27	English	46
25900	1700	1800	smtwtfs	WOOFFERTON	125	165	English	47SW,52
1413	1700	1800	smtwtfs	A SEELA	800	80	English	41NW
12095	1800	2000	smtwtfs	DHABAYYA	250	225	English	48SW,53NW
15420	1800	1900	smtwtfs	ASCENSION RELAY	125	85	English	47SW,52

17780	1800	1900	smtwtfs	ASCENSION RELAY	125	65	English	46
15400	1800	1900	smtwtfs	ASCENSION RELAY	125	27	English	46
9890	1900	2000	smtwtfs	SAO TOME	100	138	English	52SE,53SW,57N
15400	1900	2000	smtwtfs	ASCENSION RELAY	125	27	English	46
11810	1900	2100	smtwtfs	DHABAYYA	250	245	English	47SW,52
1413	1900	2100	smtwtfs	A SEELA	800	350	English	39NE,40
12095	2000	2100	smtwtfs	ASCENSION RELAY	125	27	English	46
11810	2100	2200	.mtwtf.	ASCENSION RELAY	125	65	English	47SW,52
12095	2100	2200	.mtwtf.	ASCENSION RELAY	125	27	English	46
9580	2200	2300	smtwtfs	TINANG	250	200	English	51W,54
11825	2300	0000	smtwtfs	TINANG	250	200	English	51W,54
12095	0600	0629	smtwtfs	ASCENSION RELAY	250	70	French	47S,52N,52SE
7305	0600	0629	smtwtfs	ASCENSION RELAY	125	27	French	46
6195	0600	0629	smtwtfs	S. MARIA DI GALERIA	250	234	French	37
7265	0600	0629	smtwtfs	WOOFFERTON	250	170	French	37
12095	0700	0729	smtwtfs	ASCENSION RELAY	250	27	French	46
21630	0700	0729	smtwtfs	S. MARIA DI GALERIA	250	170	French	47S,52N,52SE
17640	1200	1230	smtwtfs	ASCENSION RELAY	250	27	French	46
25900	1200	1230	smtwtfs	MADAGASCAR	250	310	French	47S,52N,52SE
21500	1200	1230	smtwtfs	WOOFFERTON	125	170	French	37
15490	1800	1830	smtwtfs	ASCENSION RELAY	125	27	French	46
6195	1800	1830	smtwtfs	S. MARIA DI GALERIA	100	235	French	37
13790	1800	1830	smtwtfs	S. MARIA DI GALERIA	250	210	French	46
9750	1800	1830	smtwtfs	S. MARIA DI GALERIA	250	146	French	53S
11765	1800	1830	smtwtfs	SOFIA	250	180	French	47S,52N,52SE
6135	0529	0600	smtwtfs	ASCENSION RELAY	125	65	Hausa	46SE
7305	0529	0600	smtwtfs	ASCENSION RELAY	125	55	Hausa	46SE
5975	0529	0600	smtwtfs	WOOFFERTON	250	160	Hausa	46SE
11640	0629	0700	smtwtfs	ASCENSION RELAY	125	65	Hausa	46SE
9410	0629	0700	smtwtfs	ASCENSION RELAY	125	55	Hausa	46SE
12095	0629	0700	smtwtfs	S. MARIA DI GALERIA	250	189	Hausa	46SE
21560	1200	1500	.....s	ASCENSION RELAY	250	65	Hausa	46SE
21560	1400	1430	.mtwtf.	ASCENSION RELAY	250	55	Hausa	46SE
21630	1400	1430	.mtwtf.	DHABAYYA	250	260	Hausa	46SE
11640	1400	1430	.mtwtf.	SAO TOME	100	0	Hausa	46SE
11660	1930	2030	.....f.	ASCENSION RELAY	125	65	Hausa	46SE
15490	1930	2030	.....f.	ASCENSION RELAY	125	65	Hausa	46SE
11660	1930	2000	smtwt.s	ASCENSION RELAY	125	65	Hausa	46SE
15490	1930	2000	smtwt.s	ASCENSION RELAY	125	65	Hausa	46SE
9545	1930	2030	.....f.	WOOFFERTON	125	160	Hausa	46SE
9545	1930	2000	smtwt.s	WOOFFERTON	125	160	Hausa	46SE

17760	1230	1300	.mtwtf.	TASHKENT HF	100	68	Korean	44NE
7485	1230	1300	.mtwtf.	TINIAN	250	329	Korean	44NE
5895	1530	1600	.mtwtf.	ORZU	250	72	Korean	44NE
5845	1530	1600	.mtwtf.	TINANG	250	21	Korean	44NE
7485	1530	1600	.mtwtf.	TINIAN	250	329	Korean	44NE
5895	1630	1700	.mtwtf.	ORZU	250	72	Korean	44NE
5845	1630	1700	.mtwtf.	TINANG	250	21	Korean	44NE
7485	1630	1700	.mtwtf.	TINIAN	250	329	Korean	44NE
5895	1730	1800	.mtwtf.	ORZU	250	72	Korean	44NE
5845	1730	1800	.mtwtf.	TINANG	250	21	Korean	44NE
7485	1730	1800	.mtwtf.	TINIAN	250	329	Korean	44NE
17815	0500	0600	.....s	DHABAYYA	250	225	Krwanda/Krundi	48SW,53NW
21660	0500	0600	.....s	DHABAYYA	250	225	Krwanda/Krundi	48SW,53NW
17815	0529	0600	s.....	DHABAYYA	250	225	Krwanda/Krundi	48SW,53NW
21660	0529	0600	s.....	DHABAYYA	250	225	Krwanda/Krundi	48SW,53NW
9820	1630	1700	.mtwtf.	DHABAYYA	250	225	Krwanda/Krundi	48SW,53NW
15685	1630	1700	.mtwtf.	MADAGASCAR	125	315	Krwanda/Krundi	48SW,53NW
11895	1750	1810	.mtwtf.	A SEELA	250	240	Oromo	48
15685	1750	1810	.mtwtf.	DHABAYYA	250	225	Oromo	48
11830	1750	1810	.mtwtf.	S. MARIA DI GALERIA	250	130	Oromo	48
11895	1850	1910	.mtwtf.	A SEELA	250	240	Oromo	48
9705	1850	1910	.mtwtf.	S. MARIA DI GALERIA	250	130	Oromo	48
6195	0100	0130	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
7410	0100	0130	smtwtfs	S. MARIA DI GALERIA	250	84	Pashto	40E,41NW
7445	0100	0130	smtwtfs	WOOFFERTON	125	86	Pashto	40E,41NW
7445	0200	0230	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
6195	0200	0230	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
5875	0200	0230	smtwtfs	EREVAN	300	100	Pashto	40E,41NW
9410	0300	0330	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
11870	0300	0330	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
12095	0300	0330	smtwtfs	DHABAYYA	250	45	Pashto	40E,41NW
15310	0900	0930	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
17810	0900	0930	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
15310	1000	1030	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
17810	1000	1030	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
15310	1100	1130	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
17810	1100	1130	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
11995	1500	1600	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
5975	1500	1600	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
5975	1630	1700	.mtwtf.	A SEELA	250	35	Pashto	40E,41NW
11995	1630	1700	.mtwtf.	A SEELA	250	35	Pashto	40E,41NW
11735	1800	1900	smtwtfs	A SEELA	250	35	Pashto	40E,41NW
6090	1800	1900	smtwtfs	A SEELA	250	35	Pashto	40E,41NW

1413	1800	1900	smtwtfs	A SEELA	800	35	Pashto	41NW
5875	1800	1900	smtwtfs	EREVAN	300	100	Pashto	40E,41NW
15420	0400	0430	.mtwtf.	A SEELA	250	225	Somali	48
13790	0400	0430	.mtwtf.	DHABAYYA	250	205	Somali	48
12065	1200	1400	.....s	DHABAYYA	250	225	Somali	48
21660	1200	1400	.....s	MADAGASCAR	250	0	Somali	48
12065	1400	1500	.mtwtf.	A SEELA	250	225	Somali	48
12065	1400	1500	.....s	A SEELA	250	225	Somali	48
15420	1400	1500	.mtwtf.	DHABAYYA	250	225	Somali	48
21660	1400	1500	.....s	DHABAYYA	250	225	Somali	48
21660	1400	1500	.mtwtf.	S. MARIA DI GALERIA	250	130	Somali	48
12065	1500	1800	s.....	DHABAYYA	250	225	Somali	48
17745	1500	1600	s.....	DHABAYYA	250	215	Somali	48
17745	1600	1800	s.....	DHABAYYA	250	220	Somali	48
11895	1810	1830	.mtwtf.	A SEELA	250	240	Tigrinya	48
15685	1810	1830	.mtwtf.	DHABAYYA	250	225	Tigrinya	48
11830	1810	1830	.mtwtf.	S. MARIA DI GALERIA	250	130	Tigrinya	48
11895	1910	1930	.mtwtf.	A SEELA	250	240	Tigrinya	48
9705	1910	1930	.mtwtf.	S. MARIA DI GALERIA	250	130	Tigrinya	48

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LANG	START	STOP	FREQ	SITE	TARGET AREA	DAYS	VALID FROM-TO
AMHARIC	1600	- 1700	11830 kHz	ISSOUDUN	Ethiopia	Daily	29.10.23 - 30.03.24
AMHARIC	1600	- 1700	15275 kHz	ISSOUDUN	Ethiopia	Daily	29.10.23 - 30.03.24
ARABIC	1230	- 1300	15390 kHz	ISSOUDUN	Sudan	Mon-Fri	29.10.23 - 31.12.23
ARABIC	1230	- 1300	17570 kHz	ISSOUDUN	Sudan	Mon-Fri	29.10.23 - 31.12.23
ARABIC	1830	- 1900	15275 kHz	ISSOUDUN	Sudan	Mon-Fri	29.10.23 - 31.12.23
ARABIC	1830	- 1900	17800 kHz	ISSOUDUN	Sudan	Mon-Fri	29.10.23 - 31.12.23
HAUSA	0630	- 0700	7230 kHz	SAO TOME	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	0630	- 0700	9830 kHz	ISSOUDUN	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	0630	- 0700	11800 kHz	ISSOUDUN	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1300	- 1400	9830 kHz	SAO TOME	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1300	- 1400	11980 kHz	SAO TOME	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1300	- 1400	17800 kHz	ISSOUDUN	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1800	- 1900	9830 kHz	SAO TOME	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1800	- 1900	11980 kHz	ISSOUDUN	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1800	- 1900	15215 kHz	ISSOUDUN	Africa (west)	Daily	29.10.23 - 30.03.24
HAUSA	1425	- 1630	15195 kHz	ISSOUDUN	Africa (west)	Sat	29.10.23 - 30.03.24 (Football)
HAUSA	1425	- 1630	17840 kHz	ISSOUDUN	Africa (west)	Sat	29.10.23 - 30.03.24 (Football)
Football Bundesliga at dates :							
04.11.23-11.11.23 | 25.11.23-16.12.23 | 13.01.24-16.03.24 | 30.03.24							

(Alokesh Gupta)

CHINA RADIO INTERNATIONAL

B23 CHINA RADIO INTERNATIONAL October 29, 2023 - March 25, 2024

0000-0100	Cantonese	17490bei, 11820xia
	Chinese	13655xia, 13580bei, 12035xia, 11975kun, 11900bei, 11780jin, 9620kun
	English	11790xia, 9560bei, 7425kas
	Hakka	9860jin, 9610kun, 9550kun, 9460kun
	Khmer	11990nnn, 9765nnn, 684dof-hai
	Mongolian	9470xia, 7205bei
	Portuguese	9710kas, 6100bei
	Russian	7415huh, 5990huh
	Spanish	5990qvc
	Vietnamese	13770xia, 11770bei, 603dof-hai
0000-0200	English	15125bei, 13800kas, 11885xia, 7350kas, 6180kas
0100-0200	Amoy	11980kun, 11945kun, 9860jin, 9610kun, 9550kun, 9460kun
	Chinese	15160jin, 13655xia, 13580bei, 11770nnn, 11640xia, 9655nnn, 7300kas, 7250uru
	English	9675kas, 7370kas, 6180qvc
	Russian	9440xia, 5905kas
	Urdu	7240kas, 6020kas
0100-0300	Amoy	17490bei, 15425xia
	Spanish	9710kas, 9590kas
0130-0230	Nepalese	13780kun, 11860kun
0200-0230	Pashto	11740xia, 7350kas, 6065kas
0200-0300	Bengali	11640kun, 9655kun
	Burmese	900deh
	Chinese	15160jin, 13655xia, 11780bei, 9825uru, 7330kas, 6180qvc
	English	15350kas, 11770kas
	Russian	11980xia, 5915kas
	Tamil	11870kas, 9800kas
	Urdu	7290kas, 6020kas
0230-0330	Nepalese	13780kun, 11730kun
0300-0400	Chinese	17540bei, 15160jin, 15130bei, 13655xia, 9450kas
	English	15120bei, 13800kas, 13590bei, 13570xia, 11770kas, 5910qvc,
	Hindi	15350kas, 11700kas, 11640kas, 9695kas
	Russian	17710jin, 15435xia, 11710uru, 7325kas
	Tamil	13730kas, 13600kun
0400-0500	Cantonese	15160jin, 13655xia, 5910qvc
	Chinese	15170kas, 15130bei, 13640kas
	English	17855bei, 17730xia, 15120bei, 13590bei, 13570xia
	Hakka	17710bei, 17510xia, 15350kas, 13740kas
	Russian	17640xia, 15665uru, 15445kas, 7325kas
0400-0600	Vietnamese	17740xia, 11650kun, 603dof-hai
0500-0600	Cantonese	15160jin, 13655xia
	Chinese	15130bei, 15120bei, 15110kas, 13570xia
	English	17855bei, 17730xia, 17510kas, 15465kas, 15430kas, 15350kas, 11895kas
	Russian	15665uru, 15445kas
0500-0700	Arabic	17485kas
0600-0700	Chinese	17740xia, 17650kas, 15160jin, 15120bei, 13750kun, 13655xia, 13570xia, 11710nnn

	English	17710bei, 17510kas, 15465kas, 15430kas, 15350kas, 15145kas, 13645xia, 11925nnn, 11895kas, 11870kas
0600-0800	Italian	15620kas
	French	15220kas
	German	17720kas, 17615uru
	Spanish	15135kas
0700-0800	Burmese	900deh
	Cantonese	13610xia, 11640jin
	Chaozhou	17750xia, 15145xia
	Chinese	17740xia, 17650kas, 17520kas, 13750kun, 11875nnn, 11710nnn
	English	17710bei, 13660xia
0700-0900	English	17670kas, 17490kas, 15465kas, 15350kas, 15185kas, 11895kas
0800-0900	Chinese	17650kas, 15560xia, 15550kas, 13650xia, 13610xia, 11640jin, 9880bei
	Russian	15665uru, 15335kas
0800-1000	English	9415xia
0830-0930	Indonesian	17735kun, 15135kun
0900-1000	Chinese	17670kun, 15560xia, 15440kun, 13650xia, 11895nnn (Voice of the South China Sea) 9880nnn, 9440xia, 7430jin, 5965bei
	English	17750kas, 17690jin, 17650kas, 17570uru, 17490kas, 15350kas, 15210kun
	Romanian	15260kas
	Russian	15665uru, 15335kas
0900-1100	Chinese	15525uru, 15340xia, 15250kun, 13850bei, 13780kas, 11980kun, 9460nnn, 5965bei
0930-1030	Malay	17680kun, 15135kun
1000-1100	Cantonese	17670kun, 15440kun
	Chinese	17650kas, 9880bei, 7255xia, 5965bei
	English	17750kas, 17690jin, 17490kas, 15350kas, 15210kun, 13720xia, 13590bei, 11635bei, 7215xia, 5955xia
	Hungarian	17570kas, 15220kas
	Japanese	9440xia, 7325jin
	Russian	7390huh, 7290szg, 5915huh, 1323htb, 1116har, 963hua-jil
1030-1130	Khmer	17680kun, 15160nnn, 684dof-hai
	Indonesian	15135kun, 11700kun
1100-1200	Bulgarian	15180kas
	Burmese	9880kun, 1188kun-yun
	Cantonese	13580kun, 9645bei, 9590kun, 9540bei, 7370nnn, 603dof-hai
	Chaozhou	11875kun, 9440kun
	Chinese	17650kas, 15440kun, 11980kas, 11750bei, 9515kas, 7435bei
	Czech	17570kas, 15225kas
	English	13720xia, 11795kas, 9730bei
	Esperanto	9450uru, 7210uru
	Japanese	7325jin, 7260xia, 1044hnl-jia
	Mongolian	7390huh, 6100uru
	Russian	7290szg, 6080bei, 5915huh
	Vietnamese	11990xia, 11785bji, 9550bei, 1296kun-yun
1100-1300	English	17490kas, 12015kas, 11650uru, 7250kas, 5955bei,

		1269xua-yun
1100-1400	Korean	5965xia, 1323hua-jil, 1017cah-jil
1130-1200	Filipino	12070nnn, 11955kun, 7410nnn, 5985bei, 1341hdu-gua
1130-1230	Thai	9785kun, 7360kun, 1080xua-yun
1200-1230	Filipino	11955kun, 9720nnn (Voice of the South China Sea)
1200-1300	Amoy	11910bei
	Cantonese	9570qvc (to 1250)
	Chinese	13720kas, 9655kas, 9520uru, 7390bei, 7205kas
	English	13790uru, 11980kun, 11760kun, 11690xia, 9760kun, 9730kun, 9645bei, 9600kun, 9460kas, 1341hdu-gua, 1269xua-yun, 1188kun-yun, 684dof-hai
	Japanese	7325jin, 7260xia, 1044hnl-jia
	Khmer	11680nnn, 9440kun
	Mongolian	5990huh, 5915huh, 1323htb, 100.9ula, 103.7Darkhan
	Russian	9685uru, 9590szg, 7410szg, 7215xia, 6100bei, 5905kas
	Serbian	15180kas
	Vietnamese	11720bji, 11640xia, 9550bei (Voice of the South China Sea), 9550bei, 1296kun-yun
1200-1400	Chinese	13810kas, 11790kas - News Radio
	Chinese	9855bei, 9540kun, 7440nnn
	French	13570kas
1230-1330	Lao	9785kun, 7360kun
	Malay	11955kun, 11700kun (Voice of the South China Sea)
1300-1400	Bengali	11610kun, 9600bji, 9490kun, 1188kun-yun
	Burmese	9880kun, 7385kun
	Chinese	13855kas, 9520uru, 7215xia, 7205bei
	English	13790uru, 11980kun, 11910bei, 11900kun, 11760kun, 11640kas, 9870xia, 9765bji, 9730nnn, 9655kas, 7300kas, 5955bei, 1341hdu-gua
	Esperanto	9695bei, 9440nnn
	French	17880bko, 13720kas, 13685bko
	Hindi	9450kas, 7265uru, 1422kas-xin
	Japanese	7410jin, 7325xia, 1044hnl-jia
	Mongolian	7285bei, 6100uru, 100.9ula, 103.7Darkhan
	Russian	9665xia, 7255szg, 5990huh, 5915huh, 5905kas
	Vietnamese	9685xia, 9550bei, 1296kun-yun, 684dof
1330-1430	Indonesian	11955kun, 11805kun (Voice of the South China Sea)
	Thai	9785kun, 7360kun, 1080xua-yun
1400-1500	Amoy	11650kun, 9655kun
	Bengali	11610kun, 9490kun, 1269xua-yun
	Burmese	7445kun, 900deh
	Chinese	11785kas, 9730kas, 9590kas, 9520uru, 7410bei, 7235kas, 7210bei, 6040xia
	English	11880kas, 9795uru, 9765xia, 9460uru, 7300uru, 6100uru, 1422kas-xin
	Japanese	7410jin, 7355xia, 1044hnl-jia
	Khmer	9880nnn, 6055nnn, 684dof
	Korean	5965xia, 1017cah-jil
	Mongolian	5990huh, 5915huh

	Nepalese	7435kun, 7220xia, 1269xua-yun, 1188kun-yun
	Russian	7435szg, 7330xia, 5905kas
	Sinhalese	9665jin, 7265kas, 1188kun-yun
	Tamil	9610kas, 5965kas
	Urdu	7285kun, 6075kas, 1422kas-xin
	Vietnamese	9685bji, 9550bei, 1296kun-yun, 684dof-hai
1430-1500	Filipino	11640nnn, 7325nnn, 1341hdu-gua
1430-1530	Lao	9675kun, 7360kun, 1080xua-yun
1430-1600	English	17630bko, 13685bko
1500-1530	Pashto	9665kas, 7435kun
	Persian	9600kas, 6165uru
1500-1600	Bengali	9690kun, 9610kun
	Chinese	9705kas, 9590kas, 9560kas, 9455kun, 7255bei, 7235kas, 6100bei
	English	9880nnn, 9785jin, 9720uru, 9675kas, 9525kas, 7395uru, 7325bei, 6135xia, 6095kas, 5955bei, 1323htb-xin
	Hindi	7265kas, 7225uru
	Japanese	7220jin, 5980xia, 1044hnl-jia
	Nepalese	9535xia, 7215kun, 1188kun-yun
	Russian	6180uru, 6105szg, 6025xia, 5990huh, 5965bei, 5915huh, 5905kas
	Tamil	9490kas, 7360kas
	Turkish	9565kun
	Urdu	7285kas, 6075kun, 1422kas-xin
	Vietnamese	6190bei, 684dof-hai, 603dof-hai
1530-1600	Pashto	9665kas, 7435kun, 6165uru
1600-1700	Arabic	17880bko, 15125bko
	English	9880nnn, 9875kas, 9675kas, 9570bei, 7435jin, 7420uru, 7255kas, 7235kas, 6175nnn, 6060kun, 1323htb, 1080xua
	Hakka	7325uru, 6090xia
	Hindi	7410kun, 5915kas, 1422kas-xin, 1269xua-yun, 1188kun-yun
	Russian	7265bei, 7215szg, 6040uru, 5905kas
	Turkish	7325kun, 6165uru
	Vietnamese	7315kun, 6010bei, 684dof
1600-1800	Arabic	7300kas
	French	7350kas
	German	7380bji, 5970xia
	Swahili	7245xia, 5985bei
1630-1730	Hausa	9665kun, 9620kas
1700-1800	Cantonese	7325uru, 7220xia
	Croatian	9410kas, 7335bei
	English	9880nnn, 9570bei, 7435jin, 7420kun, 7410kas, 7255kas, 7235kas, 6175nnn, 6165bei, 6140kas, 6100bei, 6090kun, 1323htb-xin, 1080xua-yun
	Esperanto	7420xia, 7205bei
	Hindi	5910kun, 1269xua-yun
	Russian	7410szg, 7265uru, 6070xia, 6040uru
	Swahili	15125bko, 13645bko
1730-1830	Chinese	9695kun, 7445uru, 7315kun, 7305uru, 6150szg
	Hausa	9685kun, 9450kas
1800-1830	Hausa	13645bko, 11640bko
	Persian	7415xia, 7325bei
1800-1900	Chaozhou	7285xia, 6010uru

	English	7210bei, 6100bei
	Italian	7435jin, 7340kas
	Russian	7255szg, 7240uru, 6070bei
1800-2000	French	7360xia, 6055kas
	German	9615uru, 7395kas, 6160xia
1830-1900	Bulgarian	9695kun, 7265uru, 6020szg
	Persian	7415xia, 7325bei
1830-1930	Arabic	13685bko, 11640bko
1830-2030	French	9645kun, 7350kas
1900-1930	Czech	7415uru, 7325szg
	Hungarian	9560uru, 7435xia
1900-2000	Albanian	7385kas, 6020szg
	Cantonese	9770kas, 7215bei
	English	9440kun, 7295uru
	Portuguese	9730kas, 9535bjj, 7365bei, 7335jin, 7205xia, 5985bei
	Romanian	7435xia from 1930, 6090uru
	Russian	7245bjj, 6110xia, 6100bei
	Turkish	9655kun, 7255kun
1930-2000	Czech	7415uru
	Portuguese	13630bko, 11640bko
1930-2030	Esperanto	9745kas, 7265uru
2000-2030	Serbian	9585kas, 7390xia, 7325uru
2000-2100	Chinese	9865kun, 7440bei, 7335szg, 7245kas, 7205xia
	English	9600kas, 9440kun, 7415kas, 7295uru, 7285xia, 5985bei
	Polish	7305uru, 6020szg
	Russian	7255bjj, 6155bei
2000-2130	English	13630bko, 11640bko
2000-2200	Arabic	6100xia
2030-2100	Bulgarian	9720uru, 7320kun
	Hungarian	9585kas, 7390jin
2030-2130	Italian	7345kas, 7265uru
2030-2230	French	7350uru, 6115bei
2100-2130	Serbian	7445.....kun, 7325xia
2100-2200	Croatian	7225bei, 6135bei
	English	9600kas, 7415kas, 7325bei, 7285xia, 7205xia
2100-2300	Korean	7290xia, 1323hua-jil, 1017cah-jil
	Spanish	9640kas, 6020szg
2130-2200	Hungarian	7445uru
2130-2230	French	13630bko, 11975bko
2200-2300	Chinese	7440jin, 7325kun, 7305bei, 7290uru, 7265kun, 6180kun, 6140kun, 6100kun, 5975bei
	English	5915bei
	Esperanto	9860kas, 7315kas
	Japanese	7430jin, 5985xia
	Portuguese	9685kas, 9410kas, 7260uru, 6175xia
	Spanish	6100bei
2200-2400	Spanish	7250uru
2300-2400	Cantonese	11945kun, 9630jin, 7325kun, 6180kun, 6140kun
	Chinese	9555bei, 7300uru
	English	13800kas, 11790xia, 9535kun, 7410kas, 7350kas, 6145bei, 5990qvc
	Japanese	9720xia, 9695jin
	Khmer	9765nnn, 7430nnn, 684dof-hai
	Mongolian	7205xia, 6185xia

Portuguese 13650qvc, 6100bei
 Russian 7415huh, 5990huh
 Vietnamese 9415bei, 7220xia, 603dof-hai
 2300-0100 Spanish 9800kas, 9590kas
 2330-0030 Sinhalese 7260kas, 6100kun

Source : <https://www1.s2.starcat.ne.jp/ndxc/cn/crib23.htm>

IBRA RADIO B23

FREQ	START	STOP	DAYS	SITE	POWER	LANG	CIRAF
7470	0000	0030	smtwtfs	TASHKENT	100	Bengali	41NE
7300	0230	0300	smtwtfs	DHABAYYA	250	Dari	40E
17640	0800	0830	smtwtfs	WOOFFERTON	250	Arabic	39NE
17865	0830	1030	smtwtfs	DHABAYYA	250	Dari	40E
15180	1430	1500	smtwtfs	DHABAYYA	250	Hazaragi	40E
7470	1500	1530	smtwtfs	TASHKENT	100	Bengali	41NE
9580	1500	1545	smtwtfs	DHABAYYA	250	Pashto	40E
11655	1600	1630	smtwtfs	DHABAYYA	250	Afar	48NW
9540	1615	1630	smtwtfs	DHABAYYA	250	Amharic	48W
9540	1630	1700	smtwtfs	DHABAYYA	250	Amharic	48W
9540	1700	1730	smtwtfs	DHABAYYA	250	Orominya	48W
15260	1700	1800	smtwtfs	WOOFFERTON	250	Arabic	39SE
9540	1730	1800	smtwtfs	DHABAYYA	250	Tigrinya	48W
9750	1730	1800	smtwtfs	DHABAYYA	250	Silte	48SW
15510	1730	1900	smtwtfs	WOOFFERTON	250	Arabic	47E, 48W

(Alokesh Gupta)

KBS WORLD RADIO B23

Effective from 29th Oct to 31st March, 2023

Lang	Time (UTC)	Freq(kHz)
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Europe

Korean 1	1600 1700	7275
Korean 1	1700 1800	9515
Korean 1	0700 0800	9870
Russian	1300 1400	9645
Russian	1800 1900	6040
Russian	1800 1900	WRN
English 2	1500 1700	9515
English 3	2200 2300	11810
English 4	2200 2230	WRN
English 4	1330 1400	WRN
French	2100 2200	3955
German	2000 2100	3955
Spanish	1700 1800	9740

North America

Korean 1	1400	1500	15575
English 3	1300	1400	15575
Spanish	0200	0300	15575

South America

Korean 2	0300	0400	11810
English 3	0200	0300	9580
Spanish	0100	0200	11880
Spanish	1100	1200	11795

Southeast Asia

Korean 1	0800	0900	9570
Korean 1	0900	1000	9570
Chinese	1130	1230	9770
English 1	0800	1030	9770
English 3	1300	1400	9570
English 3	1600	1700	9640
Indonesian	1200	1300	9570
Indonesian	1400	1500	9570
Vietnamese	1030	1100	9770
Vietnamese	1530	1600	9640

Middle East/Africa

Korean 1	1600	1700	9740
Korean 1	0900	1000	15160
Arabic	2000	2100	6090
Arabic	1700	1800	WRN
French	2000	2100	5950 (Issoudun)

China

Chinese	1130	1230	6095
Chinese	2300	2400	7215
Chinese	1100	1200	1557 (AM)

India

English 2	1400	1600	9630 (9785)
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Japan

Japanese	0100	0200	9580
Japanese	0200	0300	11810

Jakarta (Indonesia)

Indonesian	1200	1300	102.6 (FM)
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Non Direction

Korean 1	0900	1000	7275
Korean 1	1000	1100	1170 (AM)
Korean 1	1100	1200	7275
Japanese	0800	0900	7275
Japanese	0800	0900	6155
Japanese	1100	1200	1170 (AM)
Russian	1200	1300	1170 (AM)

Chinese 1300 1400 1170 (AM)

Submit reception reports at :

https://world.kbs.co.kr/service/about_report.htm?lang=e

(Alokesh Gupta)

RNZI B23

29 Oct 2023 - 23 Mar 2024			
UTC	KHZ	TARGET	DAYS
05:59 - 08:58	13755	Pacific	Mon - Fri
05:59 - 12:58	13755	Pacific	Sat Sun
08:59 - 12:58	13755	Solomon Islands, PNG	Mon - Fri
12:59 - 16:50	7390	Pacific	Daily
16:51 - 17:55	9700 AM 9780 DRM	Tonga Samoa Cook Islands	Sun - Fri
16:51 - 17:58	9700 AM	Pacific	Sat
17:56 - 18:57	11725 AM 11690 DRM	Tonga Samoa Cook Islands	Sun - Fri
17:59 - 19:58	11725	Pacific	Sat
18:58 - 20:58	11725 AM 13840 DRM	Tonga Samoa Cook Islands	Sun - Fri
19:59 - 22:58	15720	Pacific	Sat
20:59 - 22:58	15720	Pacific	Sun - Fri
22:59 - 05:58	17675	Pacific	Daily

Source : RNZI

.

Radio Free Asia B23

(Oct 29, 2023 to Mar 30, 2024)

Burmese

0030-0130 UTC 7515 15110 15245

0200-0300 UTC 15245

1230-1330 UTC 11795 15120

1330-1400 UTC 11795 12055 13750
1400-1430 UTC 11795 12055

Cantonese

1400-1500 UTC FNP*

Khmer

1230-1330 UTC 9390 11885 15155
1430-1500 UTC 9720 11750
2230-2330 UTC 9390 11850

Korean

1000-1100 UTC 1566
1200-1400 UTC 9900
1500-1700 UTC 1188 9990 11510 11550
1700-1900 UTC 1188 9990 11550
2100-2200 UTC 9940 9990 11945

Lao

0000-0100 UTC 9930
1100-1200 UTC 13685

Mandarin

0300-0500 UTC 11980 15730 17660
0500-0600 UTC 11980 15730 17660 21725
0600-0700 UTC 11980 15610 17660 17855
1500-1600 UTC 7540 7665 9790
1600-1700 UTC 7665 9315 11565
1700-1900 UTC 9950 11565
1900-2000 UTC 5890 7520 9860 9950
2000-2100 UTC 5890 7520 9410 9455 11830
2100-2200 UTC 7520 9410 9455
2300-2400 UTC 9860 11615 11775

Last amended October 23, 2023 |

Tibetan

0100-0200 UTC 9510 11895 11950 17740
0200-0300 UTC 9450 11950 17645 17690 17730
0600-0700 UTC 15245 15665 17675 21480
1000-1100 UTC 9420 15665
1100-1200 UTC 9305 11830 15745
1200-1300 UTC 9305 11935 12050 13660 15745
1300-1400 UTC 9305 11730 13660 13680 15725
1500-1600 UTC 9470 11980 12125
2200-2300 UTC 7560 9540 12050
2300-2400 UTC 5875 7510 7620 9490

Uyghur

0100-0200 UTC 7580 9450 9790 11530 12015

1600-1700 UTC 7620 7635

Notes: FNP* = frequency not promoted

Reception reports to : qsl@rfa.org

Last Updated : 23 Oct 2023

(Alokesh Gupta)

MBR B23

STATION	START (UTC)	STOP (UTC)	FREQ (kHz)	LANG	DAY (1=SUNDAY)	CIRAF ZONE	AZI (DEG)	TXER SITE	POWER (kW)	FROM DATE	TO DATE
AWR	1900	2000	6130	Ara	1234567	37,38W	210	NAU	250	291023	300324
AWR	0430	0500	7325	Fra	1234567	37,38W	210	NAU	250	291023	300324
AWR	0430	0500	7390	Fra	1234567	37,38W	210	NAU	250	260323	281023
AWR	1930	2000	9495	Shi	1234567	37,38W	210	NAU	125	291023	300324
AWR	2000	2030	9515	Fra	1234567	37,38W	210	NAU	250	291023	300324
AWR	1000	1100	9610	Ita	1	28W	180	NAU	125	291023	300324
AWR	2130	2200	9800	Twi	1234567	46SE	200	NAU	250	291023	300324
AWR	0600	0630	9860	Fra	1234567	46S	180	NAU	250	291023	300324
AWR	1200	1230	11620	Nan	12345	33S,43 N,44N	64	DB	100	291023	300324
AWR	1200	1230	11620	Cmn	67	33S,43 N,44N	64	DB	100	291023	300324
AWR	1230	1300	11620	Cmn	6	33S,43 N,44N	64	DB	100	291023	300324
AWR	1230	1300	11620	Yue	123457	33S,43 N,44N	64	DB	100	291023	300324
AWR	0600	0630	11640	Fra	1234567	46S	200	NAU	250	291023	300324
AWR	0000	0030	11640	Vie	1234567	49E	122	TAC	100	291023	300324
AWR	2000	2030	11795	Mos	1234567	46SW	200	NAU	250	291023	300324
AWR	1730	1800	11870	Orm	1234567	48	145	NAU	250	291023	300324
AWR	1630	1700	11955	Tir	1234567	48	140	NAU	250	291023	300324
AWR	0700	0800	11980	Ara	1234567	37,38W	210	NAU	250	291023	300324
AWR	1630	1700	12040	Amh	1234567	48	140	NAU	250	291023	300324
AWR	1500	1530	12085	Tam	1234567	41S	163	TAC	100	291023	300324
AWR	0830	0900	15220	Shi	1234567	37,38W	210	NAU	250	291023	300324
AWR	1200	1300	15255	Kor	1234567	44NE,4 SNW	60	DB	100	291023	300324
AWR	1300	1330	15430	Nep	1234567	41NE	125	DB	100	291023	300324
AWR	1330	1400	15440	Tha	1234567	49E	125	DB	100	291023	300324
AWR	1630	1700	15490	Som	1234567	48	140	NAU	250	291023	300324
AWR	0200	0300	15510	Eng	1234567	41NE	125	DB	100	291023	300324
AWR	1400	1500	15515	Eng	1234567	41NE	125	DB	100	291023	300324
AWR	1200	1300	15530	Kor	1234567	44NE,4 SNW	76	TAC	100	291023	300324
AWR	1530	1600	15705	Hin	1234567	41W	163	TAC	100	291023	300324
BVB	1915	1930	5935	Mul	1	3,940	130	NAU	250	291023	300324
BVB	1830	1900	6150	Mul	1	37N	230	NAU	125	291023	300324
BVB	1800	1900	7295	Mul	5	3,940	105	NAU	100	291023	300324
BVB	1800	1830	7295	Mul	6	3,940	105	NAU	100	291023	300324
BVB	1830	1900	7295	Mul	13	3,940	105	NAU	100	291023	300324

BVB	0600	0615	9440	Mul	1234567	46N,47 NW,38 W,37S	180	NAU	125	291023	300324
BVB	0500	0515	9450	Mul	6	3,940	120	NAU	250	291023	300324
BVB	1710	1730	9490	Mul	24	38E,39, 40W	141	SOF	100	291023	300324
BVB	1830	1930	9715	Mul	1	39	126	NAU	100	291023	300324
BVB	1830	1930	9715	Mul	7	39	126	NAU	100	291023	300324
BVB	1800	1815	9715	Mul	6	39	126	NAU	100	291023	300324
BVB	1800	1830	9715	Mul	5	39	126	NAU	100	291023	300324
BVB	1930	2015	9715	Mul	1	39	126	NAU	100	291023	300324
BVB	0200	0300	11790	Mul	1	41	163	TAC	100	291023	300324
BVB	1230	1245	15210	Mul	1	54	131	TAC	100	291023	300324
BVB	1200	1230	15285	Mul	7	43S,44 S	90	TAC	100	291023	300324
BVB	1600	1730	15310	Mul	1	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1600	1630	15310	Mul	2	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1600	1730	15310	Mul	3	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1630	1730	15310	Mul	7	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1700	1730	15310	Mul	4	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1700	1730	15310	Mul	5	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1600	1630	15310	Mul	56	38S,39 S,47,48	150	NAU	100	291023	300324
BVB	1430	1500	17550	Mul	1234567	4,748	153	NAU	100	291023	300324
BVB	1400	1430	17650	Mul	1st Sa p.M. / 7	41	102	NAU	250	291023	300324
BVB	1430	1500	17650	Mul	17	41	102	NAU	250	291023	300324
DWL	0630	0700	7230	Hau	1234567	46,47W	0	SAO	100	291023	300324
DWL	0630	0700	9830	Hau	1234567	46,47W	165	ISS	250	291023	300324
DWL	1300	1400	9830	Hau	1234567	46,47W	0	SAO	100	291023	300324
DWL	1800	1900	9830	Hau	1234567	46,47W	20	SAO	100	291023	300324
DWL	0630	0700	11800	Hau	1234567	46,47W	170	ISS	250	291023	300324
DWL	1600	1700	11830	Amh	1234567	48	130	ISS	250	291023	300324
DWL	1300	1400	11980	Hau	1234567	46,47W	20	SAO	100	291023	300324
DWL	1800	1900	11980	Hau	1234567	46,47W	172	ISS	250	291023	300324
DWL	1425	1630	15195	Hau	7	46,47W	168	ISS	500	041123	111123
DWL	1425	1630	15195	Hau	7	46,47W	168	ISS	500	251123	161223
DWL	1425	1630	15195	Hau	7	46,47W	168	ISS	500	130124	160324
DWL	1425	1630	15195	Hau	7	46,47W	168	ISS	500	300324	300324
DWL	1800	1900	15215	Hau	1234567	46,47W	170	ISS	250	291023	300324
DWL	1600	1700	15275	Amh	1234567	48	130	ISS	250	291023	300324
DWL	1830	1900	15275	Ara	23456	47E,48 W	133	ISS	250	291023	311223
DWL	1230	1300	15390	Ara	23456	47E,48 W	133	ISS	250	291023	311223
DWL	1230	1300	17570	Ara	23456	47E,48 W	133	ISS	250	291023	311223
DWL	1300	1400	17800	Hau	1234567	46,47W	172	ISS	250	291023	300324
DWL	1830	1900	17800	Ara	23456	47E,48 W	133	ISS	250	291023	311223
DWL	1425	1630	17840	Hau	7	46,47W	175	ISS	250	041123	111123
DWL	1425	1630	17840	Hau	7	46,47W	175	ISS	250	251123	161223
DWL	1425	1630	17840	Hau	7	46,47W	175	ISS	250	130124	160324
DWL	1425	1630	17840	Hau	7	46,47W	175	ISS	250	300324	300324
EMG	1130	1200	6055	Mul	17	2,728	222	NAU	125	291023	300324
HCJ	1530	1630	9500	Mul	7	29S	100	NAU	125	291023	300324

M4J	1830	1930	7225	Mul	3	29S,30 NW,30 S,39N, 39SE,4 0,41N W	101	NAU	250	291023	300324
M4J	1830	1930	7225	Mul	5	29S,30 NW,30 S,39N, 39SE,4 0,41N W	101	NAU	100*	291023	300324
M4J	2000	2100	9810	Mul	3	37S,38 SW,46, 47W	213	NAU	250	291023	300324
M4J	2000	2100	9810	Mul	5	37S,38 SW,46, 47W	213	NAU	100*	291023	300324
M4J	1300	1400	13650	Mul	3	43E,44, 45SW, 50N	62	NAU	250	291023	300324
M4J	1300	1400	13650	Mul	5	43E,44, 45SW, 50N	62	NAU	100*	291023	300324
M4J	1800	1900	13710	Mul	3	48N,48 SW	158	NAU	250	291023	300324
M4J	1800	1900	13710	Mul	5	48N,48 SW	158	NAU	100*	291023	300324
NHK	0430	0450	6165	Rus	1234567	2,728	85	NAU	125	291023	300324
RSZ	1100	1400	6045	Mul	1234567 (on-demand)	27E,28	233	NAU	100	291023	300324
RSZ	1200	1400	11610	Mul	1234567 (on-demand)	27E,28	305	ERV	100	291023	300324
SBO	1700	1730	9610	Mul	246	38E,39 S,48	144	NAU	100	291023	300324
SFZ	1000	1600	5990	Mul	1234567 (on-demand)	27E,28	233	NAU	125	291023	300324
SKW	1300	1400	5960	Mul	6	27E,28 NW	310	MOS	100	221223	221223
SKW	1900	2000	6080	Mul	1	27E,28 NW	233	NAU	100	291023	291023
SKW	1300	1400	6095	Mul	6	27E,28 NW	233	NAU	100	221223	221223
SKW	0900	1000	6095	Mul	1st Su p.M. / 1	27E,28 NW	233	NAU	100	291023	300324
SKW	1900	2000	6150	Mul	1	27E,28 NW	310	MOS	100	291023	291023
SMD	1000	1200	6095	Deu	1 (on- demand)	27E,28	233	NAU	100	291023	300324
ST2	1100	1200	6095	Deu	1st Sa p.Q. / 7	27E,28	233	NAU	100	291023	300324
TSR	1000	1400	6045	Mul	1234567 (on-demand)	27E,28	233	NAU	100	291023	300324

*DRM

AWR	Adventist World Radio
BVB	High Adventure Gospel - Bible Voice Broadcasting
DWL	Deutsche Welle
EMG	Evangelische Missionsgemeinden in Deutschland
HCJ	Reach Beyond (former HCJ)
M4J	Music 4 Joy
NHK	NHK (JAPAN BROADCASTING CORPORATION)
RSZ	Radio60!
SBO	Sagalee Bilisummaa Oromoo
SFZ	Studio 52
SKW	Förderverein "Sender Königs Wusterhausen" e.V.
SMD	SM Radio Dessau
ST2	SE-TA 2

VATICAN RADIO B23

(Effective 29th Oct'23 to 30 Mar'24)

AFRICA

0930	1050	GE'EZ LITURGY	15595	17790	SUN/HOLIDAYS
1530	1600	AMHARIC	13830T	155565	DAILY
1600	1630	KISWAHILI	13830T	15565	SUN/MON
1600	1615	KISWAHILI	13830T	15565	SAT
1615	1630	SOMALI	13830T	15565	SAT
1630	1700	ENGLISH	13830T	15565	DAILY
1700	1730	FRENCH	13830	15565	DAILY
1730	1800	TIGRIGNA	13830	15565	DAILY
1800	1830	PORTUGUESE	15565		DAILY
1940	2000	ROSARY	9705	11870	SUN/HOLIDAYS
2000	2030	ENGLISH	9705	11870	DAILY
2030	2100	FRENCH	9705	11870	DAILY
2100	2130	PORTUGUESE	11870		DAILY

AMERICAS

0100	0130	PORTUGUESE	7305G		DAILY
0130	0145	SPANISH	7305G		DAILY
0145	0200	SPANISH	7305G		DAILY
1230	1245	SPANISH	7305G		DAILY

ASIA

1130	1200	MASS IN ENGLISH	15595	17790	FRI
1230	1315	MASS IN CHINESE	7485TI	9720TI 11750TI	SAT
1230	1250	RUSSIAN	9810TI	11805TI	DAILY
1430	1530	HINDI/TAMIL/MALAYALAM	11700TI	15490TI	DAILY
2200	2230	CHINESE	7300TI	9695TI	DAILY
2315	2350	VIETNAMESE	7420TI	9580TI	DAILY

EUROPE & THE MEDITERRANEAN

0500	0520	RUSSIAN	7360	9710	DAILY
0520	0530	RG UKRAINIAN	7360	9710	NEWS DAILY
0530	0540	UKRAINIAN	7360	9710	DAILY
0620	0700	MASS IN LATIN	15595		SUN/HOLIDAYS
0700	0710	ITALIAN	15595		NEWS WEEKDAYS
0705	0800	UKRAINIAN LITURGY	9710	11815	SUN/HOLIDAYS
0710	0730	ARABIC	15595		WEEKDAYS
0730	0745	FRENCH	15595		NEWS MON-FRI
0730	0745	ENGLISH	15595		NEWS SAT
0810	0920	RUMANIAN LITURGY	7250	9710	SUN/HOLIDAYS
0930	1050	ORIENTAL LITURGY	15595	17790	SUN/HOLIDAYS
1600	1620	ARMENIAN	7360	9710	DAILY
1620	1640	RUSSIAN	7360	9710	DAILY
1630	1700	ARABIC	11935	15595	DAILY
1700	1710	FRENCH	11935		MON-FRI NEWS

1700 1710 FRENCH	11935	SAT
1700-1710 MUSIC	11935	SUN
1715 1730 ENGLISH	7230	DAILY NEWS
1700 1720 BYELORUSSIAN	9710	DAILY
1700 1715 MUSIC	11935	DAILY
1715 1730 ENGLISH	11935	DAILY NEWS
1740 1750 RG UKRANIAN	7360 9710	DAILY NEWS
1750 1800 UKRANIAN	7360 9710	DAILY
1940 2000 ROSARY	11945	SUN/HOLIDAYS

T= TALATA-VOLONDRI, MADAGASCAR

G= GREENVILLE, SOUTH CAROLINA, USA

TI= TINANG, PHILIPPINES

TM= TINIAN, NORTHERN MARIANA ISLANDS

Reception reports to : qsl.request@spc.va

(Alokesh Gupta)

Akashvani : External Services (Time wise)			
B23 VU2JOS 29 Oct 2023			
Live streaming: https://prasarbharati.gov.in/get-apps/			
UTC	Language	kHz (Tx site)	Target Area
0030-0900	Bangla	594(C)	Bangladesh
0100-0130	Sindhi	1071(R) 7380(B)	Pakistan
0100-0230	Tibetan	11570(D)	Tibet
0130-0230	Indonesian	15050(B)	Indonesia
0145-0230	Nepali	15410(B) 103.2(N) 103.7(G)	Nepal
0230-0245	Hindi	„	„
0245-0300	English	„	„
0300-0315	Nepali	„	„
0300-0430	Baluchi	11560(D)	Pakistan
0315-0415	Burmese	15410(B)	Myanmar
0400-0530	Farsi	15030(B)	Iran
0400-0745	Urdu	1071(R) 103.6 MHz (A)	Pakistan
0430-0600	Dari	9950(D) 11620(B)	Afghanistan
0430-0600	Pashtu	11560(D) 15185(B)	Afghanistan
0530-0630	Arabic	15030(B)	Middle East
0900-1030	Nepali	9910(D) 11560(D) 15030(B) 103.2(N) 103.7(G)	Nepal
0930-1130	Urdu	1071(R) 103.6 MHz(A)	Pakistan
1000-1515	Bangla	594(C)	Bangladesh
1030-1200	Chinese	15030(B)	China
1045-1215	Tibetan	9950(D) 11560(D)	Tibet

1130-1200	Saraiki	1071(R) 103.6 MHz(A)	Pakistan
1200-1330	Punjabi	1071(R) 103.6 MHz(A)	Pakistan
1215-1315	Swahili	15030(B)	E.Africa
1230-1330	Baluchi	9950(D)	Pakistan
1230-1400	Pashtu	11560(B)	Afghanistan
1330-1500	Dari	9950(B)	Afghanistan
1515-1530	Hindi	594(C)	Bangladesh
1530-1545	English	594(C)	Bangladesh
1545-1830	Bangla	594(C)	Bangladesh
1545-1930	Urdu	1071(R) 103.6 MHz(A)	Pakistan
1600-1730	Farsi	9620(B)	Iran
1730-1930	Arabic	9620(B)	Middle East
1930-2030	French	9620(B)	W. Europe
2330-0100	Punjabi	1071(R) 103.6 MHz(A)	Pakistan
2345-0115	Chinese	15050(B)	China

Note: Home Service and other languages may be heard briefly for a few minutes prior to the start / after end of the scheduled External Services

Reception Reports to: spectrum-manager@prasarbharati.gov.in

Transmitter Sites used for External Services:

No.	Code	Location	kW	kHz/MHz
1	A	Amritsar	1x20	103.6
2	B	Bengaluru	3x500	SW
3	C	Chinsurah (Kolkata)	1x1000	594
4	D	New Delhi	2x100	SW
5	G	Gadania	1x10	103.7
6	N	Nanpara	1x10	103.2
7	R	Rajkot	1x1000	1071

Indian DX Club International

GPO Box 646, Kolkata 700001,
West Bengal, India.