

8/9 - 2022 € 3,00

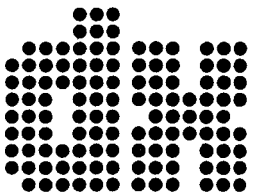
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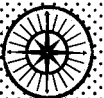
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WORLD WIDE DX CLUB



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The BBC Far Eastern Relay Station in Singapore is located at Kranji on the northern edge of Singapore island and it is only ten direct miles from the previous location at Tebrau in Malaysia. Transmission from Kranji began in 1979.

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DX MAGAZINE No. 8/9    ■    Vol. LVII    ■    August/September 2022

Hello again,

Welcome to the annual summer double issue of our DX MAGAZINE. Like in the past years you will find our normal monthly sections, some articles, and our annual "List of Members". *Please notice that our "List of Members" is only sent to our members - not to non-members, radio stations or other clubs.* I have also included Wolfgang Büschel's list "SWL / Media Programs in English, German & Spanish" and Walter Eibl's "Schedules of Broadcasts in German - Hörfahrplan Deutsch" and the latest "List of Radio Countries", published in 2022 by the EUROPEAN DX COUNCIL. I hope that you will enjoy this double edition and wish you a nice and sunny late summer.

Until October take care of each other and stay safe,

**NEWS ABOUT BROADCASTING (+other) STATIONS**  
**Editor: WALTER EIBL ■ eMail: <news@wwdxc.de>**

**ALASKA** - KNLS Alaska Anchor Point, both TXs on air July 31, at 10.40 UT

Updated Summer A22 schedule of KNLS The New Life Station via Anchor Point location:

0800-0900 on 9695 English tx#2, inactive at present  
 0800-0900 on 11875 Chinese tx#1

0900-1000 on 9695 Russian tx#2, inactive at present  
 0900-1000 on 11875 Chinese tx#1

1000-1100 on 9580 English tx#1  
 1000-1100 on 9685 Chinese tx#2, inactive at present

Today July 31 at 10.40 UT both txs at KNLS Anchor Point ALS on air again:

9580 and 9685 kHz noted in JPN and KOR remoted SDRs at S=9+20dB or -53dBm signal level. (wb df5sx)

1100-1200 on 9580 Russian tx#2, inactive at present  
 1100-1200 on 9730 Chinese tx#1

1200-1300 on 7355 English tx#2, inactive at present  
 1200-1300 on 9795 English tx#1

1300-1400 on 7395 Chinese tx#2, inactive at present  
 1300-1400 on 9740 Chinese tx#1

1400-1500 on 7355 Chinese tx#1, inactive at present

1400-1500 on 9580 English tx#2

1500-1600 on 9760 Chinese tx#1, inactive at present  
1500-1600 on 9800 Russian tx#2

1600-1800 on 9580 Russian tx#2  
1600-1800 on 11870 Chinese tx#1, inactive at present  
(DX MIX Bulgaria; via NASWA Journal #7 of July 2022)

**ALGERIA** - Algerian Radio has started testing from their new SW sites at Ouargla and/or Bechar, where installation of new 300 kW Ampegon transmitters has been underway for several years to cover the Sahel region.

>>> TDA facebook <<< page reported yesterday (21 July) that technicians at Berkaoui (near Ouargla) are preparing for the launch of the new SW centre there.

Radio Algiers heard since tune-in at 1600 UT today July 23 on 15340 kHz with low audio modulation, also noted since 2045 UT tune-in in // on 15100 kHz with a much stronger signal and better audio. Programming mostly in Arabic, with some French. Currently (at 2110 UT) 15100 and 15340 kHz are in parallel with the web feed of Radio Algerie Chaîne 1 in Arabic.

The schedule so far does not reflect HFCC request registrations. The registered schedule also includes the relays via Issoudun (France): <<http://hfcc.org/data/schedbybrc.php?seas=A22&broadc=TDA>> (Dave Kenny-UK, BrDXC-UK ionewsgroup July 23)

*Planned since 2006 year ! wb.*

Re: RTA Bechar and Qurgla sites on test ?

Nothing else than <<http://hfcc.org/data/schedbybrc.php?seas=A22&broadc=TDA>> is available so far, besides the unspecific announcement of testing, or?

Frequencies are used also widely outside these hours, so it's perhaps really a good idea to not take the site usage shown therein as granted. What can be made out is that one transmitter suffers from a squeal and somewhat low modulation. It probably stays always on 15340 kHz so far, where it operates also widely outside the shown 0700-1100 UT slot, like now, around 1900 UT. The other transmitter is on air now as well, this time on 17600 kHz which happens to be registered for use at this hour.

What does not match at all are the frequency selections and the given target areas. Bechar was originally supposed to serve Libya, Niger and Chad and the visible alignment of the really built antenna pair would fit.

Qurgla was once described as serving West Africa, in this case the antennas are not visible in Google Maps yet. For both target areas perhaps already 19 metres but at least 16 metres stretches the limits even during daytime. After 1900 UT, i.e. after sunset in Algeria, they are certainly too high for the originally stated purpose.

Perhaps it is at this point mere equipment testing and it does not matter at all whether or not the transmissions can actually be received anywhere. But so far these tests raise more new questions than they answer ...

And allow me to repeat the question about the co-located longwave outlets. Has any installation of TRAM gear taken place there (not talking about the separate 576 kHz building at Bechar {of went bankrupt TransRadio Berlin firm four years ago), or come the new signs of live on 153 kHz still from the old (Thomson-CSF I understand) tube transmitters? (Kai Ludwig-D, WOR July 26)

7200 kHz Telediffusion d'Algerie via Bechar, Aug 9. monster signal on new xmtr at 0420 UT with Ar pop mx. // 7430 kHz which is nearly all carrier, no modulation.

(Ralph Perry, Wheaton-IL-USA, NASWA Electronic Flashsheet #1061 Aug 14)

7200 kHz Radio Algerienne - Bechar, 0439-0501\* UT on Aug 10. tuned in to hear a male vocal selection followed by a man announcer with Arabic language talk. 5+1 time pips heard at 0500 UT followed by a man announcer with the news until the carrier was terminated at 0501 UT. Fair signal. Heard again at 0502 until 0504\* UT on Aug 11 with news until carrier suddenly terminated.

(Rich D'Angelo-PA-USA, via NASWA Electronic Flashsheet #1061 Aug 14)

7430 kHz R. Algerienne - Ouargla {test series by the TDA technicians at Qargla and Bechar sites, new 300 kW Ampegon units erected already in spring 2017 !, wb}, 0533 UT Arabic to WeAF. frantic Algerian pop songs and anncts. Time pips at 0600 UT and a few seconds of news before cut-off at 06:00:30 UT. Weak signal, Aug 20.

(Rob Wagner VK3BVW, Mount Evelyn-Vic-AUS; via NASWA Electronic Flashsheet #1062 Aug 21)

17600 kHz Aug 20 at 2122 UT, S0/S1 direct with flutter, JBA M&W talk, unsure language, and the OSOB - Spain still gone from 17855 kHz. This still there past 2200 UT. Only 17600 kHz anywhen in EiBi is RTA R. Algerienne, Bechar, only at 18-20 UT, but they typically do not adhere to any schedule.

Aoki has nothing on 17600 kHz, but HFCC shows not only 18-20 UT, but Bechar also at 08-13 UT, all 300 kW at 131 degrees. Recheck via UTwente at 2300 UT, still a JBA signal. At 2320 UT it's still locked onto 17599.994+ kHz but inaudible.

(gh, via NASWA Electronic Flashsheet #1062 Aug 21)

Bei diesen jetzt statt findenden technischen Tests wird man auch die 19, 16 und 13 mb Antenne in Ouargla fuer den kommenden suedlichen Sommer im Tuning testen wollen ... ausserdem bewegen wir uns auf das SF Maximum in 2024 / 2025 zu. Und dass aus Ouargla bei einer 210 Grad azimuth Richtungsabstrahlung nur ein duennes Sidelobe Signal in Mitteleuropa 'ankaeme', ist wohl auch klar.

(wb df5sx, wwdxc BC-DX TopNews July 27)

Fair/good signal of Telediffusion d'Algerie TDA in Arabic on 17600 kHz via Bechar, August 26 from 0601 on 17600 BEC 300 kW / 131 deg to EaAf Arabic, instead of 15100 kHz via SDR Albertirsa in HNG Parallel freq.7430 ORG 300 kW / 210 deg to WeAf Arabic Telediffusion d'Algerie A-22 - NOT ON AIR TODAY

Very good signal of Telediffusion d'Algerie TDA in Arabic on 9450 kHz via Bechar, August 26 from 0500 on 9450 BEC 300 kW / 131 deg to EaAf Arabic as scheduled in A-22 via SDR Heimiswil in SUI. // frequency 7430 ORG 300 kW / 210 deg to WeAf Arabic Telediffusion d'Algerie A-22, NOT ON AIR TODAY (DX MIX, August 26, 2022)

**ANGOLA** - 4949.720 kHz on July 15 at 2152 UT, presumed RNA is JBA S7 mostly noise into Namibia SDR with signature offset, no signal into RSA SDR and there are no other Kiwis in southern Africa.

Tnx to tip from Manuel Mendez-ESP, who reported this yesterday to the WOR iog:

"Radio Nacional de Angola, 4949.7 kHz on air after months without detecting it Manuel Mendez, Lugo, Spain, Log in Reinante, NW of Spain, Tecsun PL-880, cable antenna, 8 meters: ANGOLA 4949.7, Radio Nacional de Angola, Mulenvos, 1956-2016 UT on July 14, comments, songs. Strong carrier, extremely weak audio, barely audible, best on LSB."

Tropical Bands Monitor as of 1 July shows this on 4949.7 kHz had been reported this year only in January and March. Once upon a time RNA ran allnight and its off-frequency carrier at least could be detected in deep North America. As of last year, WRTH showed 4950 kHz as 24 hrs with {national wb.} A program in Portuguese, nominal 25 kW; while MW 945 kHz had some foreign languages local evenings.

(wh, wor July 15)

4950 kHz R. Nacional de Angola, Mulenvos; July 26, at 0532-0548 UT music, male and female in news programme about elections operating structure at provinces of Angola, with a testimony of a professional of bureaucracy:

"o presidente em exercicio da funcao municipal ... as materias a serem administradas ... que no final saimos todos a ganhar; a formadora provincial Helena da Silva: vamos falar sobre o boletim de voto ... trabalhar com os eleitores ... o quadro do processo eleitoral", seems canned male: "o inicio do dia ao ritmo da vida ... Radio Nacional de Angola, unindo o pais", hi life African music, male about sports, male news programme "os numeros da producao este ano".

Exceptionally fair to good, if we consider the conditions of RNA's signal in recent times, maybe by the grey line there but deteriorating over the listening. ...

(Lucio Otavio Bobrowiec-BRA, wor July 26)

Radio Nacional de Angola, Mulenvos; Aug 7, 0055-0109 UT instead of its traditional "male in Portuguese talks and music" content, RNA has presented dialect speeches and African tribal music; there's must be reflection of the political campaign taking place in the country.

Male in dialect (some unconfirmed sources indicate 37 languages and 50 dialects in Angola), xylophone (sounding like) music, ToH time pips, male in dialect, minimalist tribal music (whistle & male reciting, no instruments), male in short Portuguese and dialect announcements "Radio Nacional de Angola". Fair, het, one of the best listenings of the week. Hope that this return of RNA (returned 13/07) does not end when the elections are over.

(Lucio Bobrowiec-BRA, hcdx Aug 7)

**AUSTRALIA** - 2310 kHz Shortwave Australia, Bendigo-VIC. A new station in AM, good signal at 0930 UT with a

replay of an old show celebrating the Melbourne MW station 3KZ. July 12. See my recent post for more information about this station.

<<https://medxr.blogspot.com/2022/07/new-station-shortwave-australia.html>>

2368.44 kHz Radio Symban, Hurlstone Park-NSW. 1905 UT Endless Greek music with no anncts, fair signal. Their website has been parked, but the F\_B page appears active under the moniker "Symban World Radio" July 15. (Rob Wagner VK3BVW, Mount Evelyn-Vic-AUS; ARDXC ADXN PDF file of Aug 4 via wwdxc BC-DX TopNews)

11825 kHz "Reach Beyond Australia" religious broadcaster in Burmese to Myanmar, August 18, at 1512-1531 UT. SIO 333. YL with talk / homily in Burmese. Moderate QRN / QSB. Listenable. MX clips. YL continues with long religious monologue. YL with hymn follows then more YL talk. POP MX song at 1527 UT. Station ID and frequencies given in English. Off the air at 1531 UT.

(Vince Henley-WA-USA, via NASWA Electronic Flashsheet #1062 Aug 21)

**AUSTRIA** - OE1 Kurzwelle am Morgen nur noch gekuerzt um 07.00-08.00 ME(S)Z / CE(S)T. Seit Samstag, dem 23. July 2022, entfaellt offenbar die Kurzwellenausstrahlung des "OE1 Journal um acht" auf 6155 kHz:

Mo-Fr 08.00-08.20 ME(S)Z / CE(S)T

Sa-Su 08.00-08.10 ME(S)Z / CE(S)T

Es verbleiben folgende Kurzwellensendungen des oesterreichischen Rundfunks:

6155 kHz, Mo-Su 07.00-08.00 ME(S)Z

13730 kHz, Mo-Sa 12.00-13.00 ME(S)Z

5940 kHz, Mo-Th 18.00-18.25 & Fr 18.00-18.20 & Su 18.00-18.15 ME(S)Z

(Alexander Busneag-D, wwdxc BC-DX TopNews July 25)

OE1 Kurzwelle am Morgen nur noch 07.00-08.00 ME(S)Z 301022 260323

Das liegt an der Verfuegbarkeit des 300 kW Schaetzchens und dessen NICHT-Ersatzteilversorgung ?

Ueber den Anhaltinischen Berger - Dessau Einmieter kam wohl der Hinweis, dass bei ORS Moosbrunn demnaechst nur noch 2 ? x 100 kW Units einsetzbar sind, bzw. der 2. Sender als Ersatzteil - Traeger dient.

Der 300kW Sender wird stillgelegt {oder erwartet andere Ersatzteilversorgung ?}, also braucht man den 6155kHz Sender ab 0800 Uhr fuer AWR Franzoesisch 15610 kHz Richtung West-Afrika ab 07.00 UT auf 206degr Azimuth.

Da muss der Nichts-Kosten-Bringer ORF zurueckstecken. Wenn die einst Wertachtal Schaetzchen nicht so gnadenlos speedy verschrottet worden waeren, haette sich der ORS Austria im Wertachtal mit TX Hardware bedienen koennen. Verschuetete Milch von gestern, wie all-ueber-all dieser Tage.

In B-22 ORS Moosbrunn request geplant in 301022-260323 B-22 season :

5930	0030	0100	40E, 41NW	MOS	300	95	211	1234567	Prs	BBC	ENC	DARIA
5930	0100	0130	40E, 41NW	MOS	300	95	211	1234567	Pus	BBC	ENC	PASHA
5930	0130	0200	40E, 41NW	MOS	300	95	211	1234567	Prs	BBC	ENC	DARIA
5940	1700	1730	28, 29	MOS	100	70	805	1234567	Deu	ORF	ORS	
6070	1000	1100	18, 27-29, 37-39	MOS	100	0	926	1	Deu	C29	ORS	
6120	0330	0400	40	MOS	300	100	211	1234567	Fas	AWR	AWR	x303
6155	0600	0720	18, 27-29, 37-39	MOS	300	0	926	1234567	Deu	ORF	ORS	
6185	0400	0430	29S, 39N, 40W	MOS	300	115	211	1234567	Tur	AWR	AWR	x310
7270	2000	2030	46	MOS	300	210	211	1234567	Dyu	AWR	AWR	x102
9510	0200	0230	40E, 41NW	MOS	300	94	211	1234567	Urd	AWR	AWR	x214
9510	0230	0300	40E, 41NW	MOS	300	94	211	1234567	Pan	AWR	AWR	x214
9630	0500	0530	46SE, 47W	MOS	300	190	211	1234567	Hau	AWR	AWR	x112
9770	1630	1700	40	MOS	300	100	211	1234567	Fas	AWR	AWR	x303
11880	0600	0700	38	MOS	300	175	217	1234567	Ara	AWR	AWR	x306
11880	2030	2100	46	MOS	300	210	217	1234567	Fra	AWR	AWR	x118
11955	1500	1530	29S, 39N, 40W	MOS	300	115	217	1234567	Tur	AWR	AWR	x310
11955	1600	1630	40E, 41NW	MOS	300	95	217	1234567	Urd	AWR	AWR	x214
11955	1800	1858	38N	MOS	300	180	217	1234567	Ara	AWR	AWR	x306
13600	1600	1700	29, 30	MOS	100	55	218	1234567	Rus	C29	ORS	
13730	1100	1200	28, 29	MOS	100	70	805	1234567	Deu	ORF	ORS	
15145	0800	0830	37, 38W	MOS	300	225	217	1234567	Fra	AWR	AWR	x307
15265	1530	1600	40E, 41NW	MOS	300	95	217	1234567	Pan	AWR	AWR	x214

15360 1730 1800 48SW, 53NW MOS 300 156 217 1234567 Mas AWR AWR x117  
 15420 1930 2000 47, 48W, 52, 53W MOS 300 170 217 1234567 Fra AWR AWR x103  
 15440 1400 1430 40E, 41NW MOS 300 95 217 1234567 Urd AWR AWR x214  
 15610 0700 0730 46S MOS 300 206 217 1234567 Fra AWR AWR x104  
 (B22 season, 301022-260323; wb df5sx wwdxc July 25)

**CANADA** - 6070 kHz CFRX Toronto (Mississauga xmtr) ON; at 1455-1500+UT Aug 2; "News-Talk 10-10 Toronto", "News-Talk 10-10 where Toronto gets answers"; Call-in show re smoking in outdoor public places; news ToH. S8-9, // 1010 kHz CFRB at QRN level.

(Harold Frodge-MI-USA, WOR Aug 5) 6069.978 kHz at 1315 UT on Aug 5th. wb.

**CHINA** - PBS Xizang "Holy Tibet" program in English on 6200 kHz at 16:00 UT (runs until 17:00 UT) on 19 August; good reception on this frequency; also noted on // 4905, 4920, and 7255 kHz amongst the several transmitted frequencies.

(Richard Langley-CAN on tourist trip at Hawaii island Kona, wor Aug 20)

**CUBA** - Good signal of Radio Habana Cuba in English on 5040 kHz via Bauta, August 26  
 0457&0557 on 5040 BAU 100 kW / 083&263 to Cuba English via SDR Boca Raton FL, USA.  
 (DX MIX, August 26, 2022)

Reception of Radio Habana Cuba in English on all five frequencies, August 18:

from 0457 on 5040 BAU 100 kW / 083&263 to Cuba English. Good via SDR Frostburg MD.  
 from 0534 on 6000 QVC 250 kW / 010 deg to ENAm English. Good via SDR Frostburg MD.  
 from 0457 on 6060 BAU 100 kW / 010 deg to ENAm English. Good via SDR Frostburg MD.  
 from 0534 on 6100 BAU 100 kW / 310 deg to WNAmerican English. Good via SDR Frostburg MD.  
 from 0457 on 6165 BAU 100 kW / 340 deg to WNAmerican English. Good via SDR Frostburg MD.

Unscheduled Radio Habana Cuba in English after 06UT on 5040 kHz via Bauta, August 19  
 0615&0654 on 5040 BAU 100 kW / 083&263 to Cuba English and off at 0658UT.

Very good signal via SDR Boca Raton FL, USA.  
 (DX MIX 1259)

Prensa Latina: Diaz-Canel congratulates Cuba's radio on its 100th anniversary.

<<https://www.plenglish.com/news/2022/08/22/diaz-canel-congratulates-cubas-radio-on-its-100th-anniversary/>>

Diaz-Canel congratulates Cuba's radio on its 100th anniversary Havana, Aug 22 (Prensa Latina) President Miguel Diaz-Canel on Monday congratulated producers and listeners on the occasion of the centenary of Cuban radio. On his Twitter, the president wished "that for the next 100 years it will continue sounding with the Cuban spirit that distinguishes it".

With the beginning of radio transmissions on August 22, 1922, Cuba was among the first countries in Latin America to have this kind of communication. The accelerated development of the medium allowed that less than a year later 24 transmitting stations were registered, including 14 in Havana. By the end of 1923, that number rose to 31 radio stations throughout the country.

The creation of Radio Rebelde in the mountains of the Sierra Maestra, on February 24, 1958, marked the beginning of the National Radio System, which has focused on the dissemination of knowledge, culture, recreation and the ideological, social, ethical and aesthetic values of the Cuban people.

Cuban radio began its first digital transmission in 1998. Today, the 97 digital radio stations produce their own contents. (via Mike Cooper-Atlanta-GA-USA, Aug 22)

**ETHIOPIA** - 6110 kHz Fana Broadcasting Corporation from Addis Ababa in Amharic, August 2, at 1517-1530 UT. SIO 344. OM with long monologue in Amharic. MX follows. POP MX with YL announcer. Mixed YL and OM commentators with domestic programming.

(Vince Henley-WA-USA, via NASWA Electronic Flashsheet #1060 Aug 7)

**FRANCE** - 6110-6115-6120 kHz DRM noise. August 8 at 0623 UT, whence ? Not noticed here before. EiBi list has 06-07 UT "MiniTransAt Sailing" but not marked as DRM mode. Hit by chance without a DRM SDR handy, had been intending to check as in: <<http://hfcc.org/data/schedbybrc.php?seas=A22&broadc=TDF>>

As Dave Kenny-UK, BrDXC-UK pointed out: "HFCC also lists a schedule of "Sailor DRM tests" taking place until 30 September:

0000-0100	on	6040		1	Aug-30	Sep	
0600-0700	on	6115	9740	19	Jul-30	Sep	
1200-1300	on	13730	15535	19	Jul-30	Sep	
1800-1900	on	7305	11915	15535	19	Jul-30	Sep

The official web site for the race is at <<http://lessables-lesacores650.com>>

The bilingual weather info at 1500-1530 UT on AM mode, 13735 & 5975, was scheduled only until 16 August, apparently this race is a round trip back to France; but is there again a truly TA race to follow from Acores to Caribbean as in previous years?

Via Canary Islands SDR, from 1800 August 8 I am trying the three listed frequencies: nothing on 15535 or 11915 kHz, but on 7305 kHz: news in French, nothing about weather or the race, so regular RFI ?  
 Display shows: S9 signal. "SNR 22.3v dB; DRM mode: B. Chan: 10 kHz.  
 ILV: L. SDC: 16 QAM. MSC: 64 QAM. Medium range use, multipath resistant.  
 Services: 1AAC (1000) DEMO TDF EEP Data 8.08 kbps".

Lo-fi audio with slight echo. Occasionally drops off in fades below S9. 1810 UT, rechecking the other two frequencies: no DRM, and no DRM noise audible when tuned in AM mode, beyond considerable same band noise level on adjacent frequencies. 1829 UT recheck, some music, ID, and off the air for good. So not a full hour as registered.

As with all Kiwis, must be very careful handling mouse, lest it change to a totally unwanted frequency. On the displayed DRM schedule one can find these not under F for France, but under T for Telediffusion, of course !  
 (gh, via NASWA Electronic Flashsheet #1061 Aug 14)

**GERMANY** - 9800 kHz AWR via MBR Nauen site, 2145 UT to s/off 2200 UT in Twi to WeAF. a discussion, then closing music by Bach. Fair signal, Aug 10. Twi (pronounced "chwee") (a.k.a. Ashanti Twi) is a dialect of the Akan language spoken by about 7 million people in the southern two-thirds of Ghana, parts of Cote d'Ivoire and even found in parts of Togo. Like most languages spoken south of the Sahara, Twi is a tonal language having three main tones - high, middle and low.  
 (Rob Wagner VK3BVW, Vic-AUS; NASWA Electronic Flashsheet #1061 Aug 14)

Reception of HCJB Voice of The Andes in Russian/Chechen on 13800 kHz via MBR Nauen, August 27  
 1529-1629 on 13800 NAU 100 kW / 100 deg to CeAs Russian/Chechen Sat. Very good signal via SDR Tambov, Russia.

Reception of Bible Voice Broadcasting in English on 15265 kHz via MBR Nauen, August 27  
 1430-1500 on 15265 NAU 250 kW / 102 deg to SoAs English Sat. Very good signal via SDR Tambov, Russia.  
 (DX MIX August 27, 2022)

HCJB Germany will celebrate their 50<sup>th</sup> Anniversary on October 16<sup>th</sup> 2022. Arbeitsgemeinschaft HCJB was founded as an association in October 1972 by Johannes und Margot Stegmiller. It now broadcasts via 3 shortwave stations in Northern Germany and via Astra satellite. The full story can be found at <<http://www.hcjb.de>> (in German).

**GUAM** - Reception of BRB Living Water Ministry in Korean on 9900 kHz via KTWR Agana, Aug 24:  
 1500-1600 9900 kHz TWR 250 kW 335 deg to NEAs Korean Tue-Sa. Good via SDR So Phisal, THA.  
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Aug 26)

9900even kHz S=9 in Hiroshima JPN at 15.40 UT on Aug 26.  
 [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Aug 26)

**GUAM / UZBEKISTAN** - Japanese service of KTWR "Friendship Radio" will be transmitted from Tashkent in September - only 4 times. Japanese service "Friendship Radio" of KTWR Guam, Sun 1215-1245 UT 9380 kHz 100 kW 345 deg. has been off the air since July 10, due to the trouble of transmitter #7 of KTWR. The repair of the transmitter has been unsuccessful.

"Friendship Radio" announced in August 21 that they will change the transmitter site to RRTM Telecom Tashkent Uzbekistan Shortwave Transmitting bcst center.

Tashkent from September on the same day/time/frequency. But the contract will be only 4 times in September (4/11/18/25).  
 (Takahito Akabayashi-JPN, wor and direct Aug 22)

*KTWR has 7 transmitters? Not at the same time, I guess. WRTH credits it with three. (gh)*



Yes, there seems to be only 3 active SW transmitters. They call it "TX7". Probably this is the serial number of the transmitter

since 1976 or some identification at the transmitter site.  
(Takahito Akabayashi-JPN, wor and direct Aug 22)

Txer # 5 - HCJB HC100 (100 kW)  
Txer # 6 - Thomson TSW 2250D (250 kW)  
Txer # 7 - Thomson TSW 2250D (250 kW)

Harris SW100 transmitters were numbered # 3 & # 4.  
(Alokesh Gupta-IND, WOR Aug 22)

**GUAM / TAJIKISTAN / UAE** - Two frequencies originating from KTWR Guam have been moved to others sites Mike Sabin, TWR Asia Broadcast Technical Operations Director confirmed in an email to Zenon Teles that "ENC Encompass" FMO of Al Dhabbaya-UAE is doing 13740 kHz for us, because KTWR's TX#7 is down. It is awaiting a part that is no longer manu- factured by the original company".  
(via Tony Rogers).

The changes affect:

1200-1215 9975 dsb 250 kW 87deg to EAs Chinese Daily, ex via TWR Guam  
1215-1230 9975 dsb 250 kW 87deg to EAs Nosu Yi Mon-Sat, ex via TWR Guam  
1245-1300 13740 dha 250 kW 85deg to SAs English Su-We TWR India, ex Guam  
1300-1304 13740 dha 250 kW 85deg to SAs Hindi Mo-Fr TWR India, ex Guam  
1304-1306 13740 dha 250 kW 85deg to SAs English Mo-Fr TWR India, ex Guam  
1315-1330 13740 dha 250 kW 85deg to SAs Bhatiri Sunday TWR India, ex Guam  
(Ivo Ivanov Bulgarian DX Blog 22 July; via BrDXC-UK "Communication" printed magazine Aug 6)

## INDIA - B-22

### AIR World Service 1 UTC / QRG

#### East Asia

Chinese	2345-0115	15050	
Chinese	1030-1200	15050	
Indonesian	0130-0230	13710	
Thai	0245-0330	13710	delete

#### West Asia

Arabic	0530-0630	15030	
	1730-1930	9620	
Persian	0400-0530	15030	
	1600-1730	9620	

#### East Africa

Swahili	1215-1315	15030	
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### B-22 AIR World Service 2 UTC / QRG

#### West Europe

French	1930-2030	9620	(AM, formerly DRM)
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#### East Asia, China {Tibet, Xizang}

Tibetan	0100-0230	9910	
Tibetan	1045-1215	9950	11560

#### East Europe

Russian	0945-1045	17710	(DRM) delete
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#### Pakistan

Baluchi	0300-0430	9950	
Baluchi	1230-1330	9950	

#### Afghanistan

Dari	0430-0600	9950	
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1330-1500 9950 (ex11560 1071 DRM)

### B-22 AIR World Service 3 UTC / QRG

#### Pakistan

Punjabi	1130-0100	1071 (DRM)
Punjabi	1200-1330	1071 (DRM)
Sindhi	0100-0130	7380
Urdu	0400-0745	1071 (DRM)
	0930-1130	1071 (DRM)
	1545-1930	1071 (DRM)
Saraiki	1130-1200	1071 (DRM)

### B-22 AIR World Service 4 UTC / QRG

#### Nepal, Bhutan, Sikkim, China {Tibet, Xizang}

Nepali	0145-0315	11560
	0900-1030	9910 11560 15030

#### Myanmar

Burmese	0315-0415	11560
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#### Afghanistan

Pashto	0430-0600	11560
	15285{QRM mixture co-ch ARS R Saudi, Riyadh in Swahili EaAF}	
	1230-1400	11560

#### Sri Lanka

Sinhala	0615-0645	11560 delete
	1300-1500	15185 delete

#### Bangladesh Bangla / Moitree Channel

	0030-0900	594
	1000-1830	594

(via Jose Jacob-IND VU2JOS. DXindia Aug 19)

Re: [dxindia] B22 schedule of AIR External Service:

'Moitree' is a Bengali word which means 'friendship'. The channel is a unique venture of All India Radio and is aimed at strengthening ties between the two neighbours, India and Bangladesh. Channel's uniqueness lies in sharing of content between Bangladesh Betar & Akashvani Maitree. It is a common platform for participatory content creation for listeners in India and Bangladesh. Primary aim of the channel is to strengthen cultural, economic, political & emotional bonding between the two

neighbours. The Language is Bengali.

(Alokesh Gupta-IND, DXindia of AIR External Service)

Nice to see UPDATED B22 schedule of AIR External Service at last in  
<<https://prasarbharati.gov.in/wp-content/uploads/2022/08/External-Services-.pdf>>

Reception of All India Radio External Service in Nepali on 15030 kHz via Bengaluru, August 26:  
0854-0900 on 15030 BGL 500 kW / 035 deg to CAs English news from Kolkota and then Hindi, unscheduled  
0900-1030 on 15030 BGL 500 kW / 035 deg to CAs Nepali. Very good signal via SDR So Phisal, Thailand.  
(DX MIX, August 26, 2022)

**KOREA, REP. OF {South}** - Echo of Hope - VOH, frequencies for this week (July 25-31): 3985 // 4880 // 5995 // 6245 // 6350 // 9095 kHz. Voice of the People: Some good news; several of their frequencies have not been jammed for over a week now;

3480 (as usual, not jammed) //  
3910 (good - not jammed now) //  
3930 (good - not jammed now) //  
4450 //  
6520 //

6600, at 1318 UT on July 26; heard a program I was not familiar with. Surprised at 1520 UT to find VOP clearly off

the air on 3480, 3910, 3930, 4450 (not sure about 6520 & 6600 kHz).  
(Ron Howard-CA-USA, WOR and direct July 27)

### **LITHUANIA** - 1557 kHz Radio Lenta

<<https://www.lrt.lt/en/news-in-english/19/1759345/lithuania-to-broadcast-into-russia-radio-programme-against-war>>

Lithuania will start broadcasting a Russian-language, Netherlands-registered radio station, Radio Pravda, which will be accessible to audiences in Russia, Belarus, and elsewhere.

"These are broadcasts for Russian-speaking audiences, the waves travel far, and the programme is broadcast from 20:00 to midnight," Valdas Kaminskas, a spokesperson for the Lithuanian Radio and Television Centre (Telecentras), told BNS.

"The broadcasts are aimed against disinformation, against war, to compensate for Russia's anti-Ukrainian propaganda", he added. The programme will be picked up as far as Siberia, Central Asia and Kazakhstan, according to Kaminskas.

Radio Pravda will be broadcast from Sitkunai in central Lithuania. The Sitkunai radio station originally came online in 1950 and then played a major role during the January 1991 events. In their attempts to topple the Lithuanian government, which had declared in March 1990, Soviet troops occupied the Lithuanian Radio and Television building and the TV Tower in Vilnius. ...

(Steve Whitt, Medium Wave News Editor, York, England; MWC iog, WOR Aug 12)

On Friday 5 August at 17.00 UTC, "Radio Pravda" started broadcasting on AM 1557 kHz from Sitkunai in Lithuania. The station, also known as "Nasha Lenta" (Our Band), provides independent information in Russian to Russia and Belarus and is fully funded by private donors.

Its programmes are under the supervision of the Dutch Media Commission. Radio Pravda received permission from the Commissariat and its programmes are compiled in the Netherlands before being transmitted to Lithuania for rebroadcasting on AM 1557 kHz. The Lithuanian authorities in turn issued a 'retransmission licence'.

There are no political motives and no involvement of any government, not even financial. "The only thing that matters is the free flow of uncensored, verified information to Russia and Belarus."

The transmitter used in Lithuania is the Nautel RX50 which was previously used by Big L on AM 1395 kHz from Trintelhaven in the Netherlands, in an attempt to reach a daytime audience in England. Later this transmitter was used on 1008 kHz to broadcast the religious station Groot Nieuws Radio. Since the 1008 kHz was closed down, the transmitter was stored in the Netherlands. The past few weeks a lot of work was done to get the full 50 kilowatts on the air on AM 1557 kHz. This also required a new antenna design.

The results are phenomenal. The signal on AM 1557 kHz can be received well at night throughout Europe. There is a strong night signal in cities like Saint-Petersburg, Moscow and Minsk and it also covers the whole territory of the Ukraine. Even on Russia's border with Norway in the Arctic, the signal is still quite good, as well as in Novosibirsk, which is some 1,500 kilometres from the transmitter site.

<<https://radiovisie.eu/nederlandse-radio-pravda-gestart-op-am-vanuit-litouwen/>>

(Hans Knot-HOL Aug 10; via Ydun Ritz-DEN; via RUSdx #1198 via wwdxc BC-DX TopNews Aug 14)

**MADAGASCAR** - 13760 World Christian Broadcasting from MWV New Life Station, Mahajanga, at 0348-0359\* UT on Aug 4. group religious vocals followed by a man announcer with a creation segment in the English language. Closed with "New Life Station" ID at 0354 UT followed by a man providing broadcast schedule for the English language transmissions. Nice vocal selection until the carrier was terminated. Fair.

(Rich D'Angelo-PA-USA, via NASWA Electronic Flashsheet #1060 Aug 7)

13760 kHz Aug 17 at 0330 UT, MWV amid English hour, no African accent but I guess it's African Pathways Radio as per EiBi Nagoya request list, rather than KNLS programming, S=8/9+10dB No! This masked does not show this hour as APR so must be NLS:

<<http://www.africanpathways.org/home/radio/>>

(gh, WOR / hcdx Aug 17)

11965 kHz African Pathways Radio - Mahajanga, 2022-2058\* UT, Aug 9. health feature by two male announcers in the English language followed by "The Bible for Children" series, station IDs. Good signal.

(Rich D'Angelo-PA-USA, via NASWA Electronic Flashsheet #1061 Aug 14)

11965 kHz MWV African Pathways Radio heard at 2025 UT on Aug 12. "Thank you for listening to African Pathways Radio." A song by Survivor followed. Fair-to-poor.

(Bob Brossell, Pewaukee-WI-USA, NASWA Electronic Flashsheet #1061 Aug 14)

**MALAYSIA** - RTM Wai FM {from K-L Kajang site} on 11665 kHz today (20 August) starting at 07:45 UT and through the night. Strong but poor signal due to QRM splash or just distorted signal. Definite echo in the audio, though. Audio problems have been reported here recently.

(Richard Langley-CAN on tourist trip at Hawaii island Kona, WOR Aug 21)

Richard - Yes, Wai FM (11665 kHz) indeed does have poor audio. I hear echo audio and crackling sounds !! For a long time (over a year?) they formerly had that problem, then it went off the air for a while for maintenance. When it returned the audio was in fact fixed, but is now back to being poor again.

Sarawak FM never had a problem with their audio. Today (August 20), from 1005 to 1030 UT, I was listening to Sarawak FM (9835.0 kHz) with mostly fair reception, but some adjacent QRM. I guess earlier they are being noted on 9836.77 kHz, but at some point they jump back to 9835.0 kHz.

(Ron Howard-CA-USA, WOR Aug 21)

**MYANMAR** - 9730 kHz Myanma R. via Yegu, Yangon, at 1105 UT on Aug 9. Burmese with National network. Music and talk programming with Burmese pops, before suddenly launching into Ella Fitzgerald & Louis Armstrong "Cheek to Cheek". 1120 UT "Myanma Radio" station jingle.

Heard under the slightly stronger co-channel KNLS Mandarin service, but pretty easy to copy. News reports and commentaries from 1130 UT. At 1200, no frequency change to the scheduled 5985 kHz. Instead, 9730 kHz continued with commentaries, interviews, and occasional short musical interludes. Back into Burmese pops at 1220 UT to past 1240 UT when I stopped monitoring. Co-channel QRM at 1200 UT from CRI's English to SoEAs.

(Rob Wagner VK3BVW, Vic-AUS; NASWA Electronic Flashsheet #1061 Aug 14)

Myanmar Radio on 5985 kHz on 19 August with sign-on at about 11:14 UTC in presumed Burmese; nearly obliterated by CRI in Filipino on the same frequency from just before 11:30 until 12:00 UT; and then with heavy splash from RNZ Pacific on 5980 kHz from 13:00 UT onwards; will need narrower bandwidth or USB for any hope of hearing the English program that nominally starts at 15:30 UT.

Myanmar Radio {Yangoon site} on 5985 kHz at about 15:30 UT in USB mode to escape some QRM from RNZ Pacific on 5980 kHz. But signal too weak to understand talk. CRI in Swahili starts up just before 16:00 UT on the frequency.

(Richard Langley-CAN on tourist trip at Hawaii island Kona, wor Aug 21)

**NIGERIA** - Voice of Nigeria has been missing for the past two months when checked at any of its scheduled times 0600-1100 UT and 1600-2100 UT on either 7255, 9690, 11770 or 15120 kHz.

The last logs in Communication were in mid May. Reason for the outage is not known but its likely that that they only had one working transmitter which may have failed. There have been long periods in the past when VoN has been missing on SW, so let's hope they manage to get back on the air soon.

(Dave Kenny-UK, BrDXC-UK "Communication" magazine Aug 6)

*Probably new successor company Arete & Cocchi 'Ampegon Power Electronics' Thurgi Switzerland unit will soon receive an order for the supply of spare parts and a subsequent repair work of the 3 tx and antenna control units. (wb)*

7254.94 kHz Voice of Nigeria - Abuja, 0618 UT in Hausa to WAf0; discussion program, occasional mentions of Nigeria. 0630 UT - A few seconds of the usual crazy wind instrument music and into news reports and interviews with many mentions of Nigeria. This station has been missing for months now. Great to see it back again. Fair to poor signal until s/off at 0658 UT. Then at 0713 UT, the carrier returned with a high-pitched variable tuning tone for several minutes, then an open carrier noted until I finally quit monitoring at 0810 UT. It seems like the 0700 UT Fulfulde and 0800 UT English services have not been restored yet. Aug 20.

(Rob Wagner VK3BVW, Mount Evelyn-Vic-AUS; via NASWA Electronic Flashsheet #1062 Aug 21)

7254.9v kHz, Voice of Nigeria out of the air today Aug 26 in the early morning, checked from 0557-0630, no signal. (Manuel Mendez-ESP, wor Aug 26)

**PERU** - 4810 kHz Radio Logos - Chazuta, Tarapoto, San Martin, 0957 UT. Andean flute music, anncts 1000 UT and possibly news. Almost continuous LA pops from around 1012 UT with very few anncts. Started off weakly but strengthened by 1020 UT. Best listening in LSB due to the booming STANAG on 4810.5 kHz. Gone by 1055 UT. Tough listening and rarely heard here these days - first time this year! Aug 9.

(Rob Wagner VK3BVW, Vic-AUS; NASWA Electronic Flashsheet #1061 Aug 14)

**PHILIPPINES (non)** - Vatican Radio Mass in Chinese on 6085, 7490 and 9720 kHz via USAGM Tinang, August 27:

1230-1310 on 6085 PHT 250 kW / 330 deg to EAs Chinese Mass Sat. Weak/fair signal via SDR Hanoi, Vietnam  
 1230-1310 on 7490 PHT 250 kW / 332 deg to EAs Chinese Mass Sat. Very good signal via SDR Hanoi, Vietnam  
 1230-1310 on 9720 PHT 250 kW / 315 deg to EAs Chinese Mass Sat. Very good signal via SDR Hanoi, Vietnam  
 (DX MIX August 27, 2022)

FEBC Radio Teos on 9920 kHz via Bocaue, August 14:

1500-1530 on 9920 BOC 100 kW / 323 deg to CAs Russian Su,  
 1530-1545 on 9920 BOC 100 kW / 323 deg to CAs Ukrainian Su,  
 1545-1600 on 9920 BOC 100 kW / 323 deg to CAs Russian Su.

Again wrong time & frequency announcement: 19-20MST on 11650, instead 18-19MST on 9920. Strong via SDR So Phisal, Thailand.

(DX MIX 1258)

**ROMANIA** - Tiganesti TX #1 ist zurueck! Volles Programm von RRI auf KW. Der Sender # 1 in Tiganesti ist offenbar erfolgreich repariert worden und konnte heute wieder seinen Betrieb aufnehmen. Seit heute 1000 UTC werden wieder saemtliche RRI-Kurzwellensendungen regulaer ausgestrahlt! Radio Romania International on 7375 kHz // 9850 kHz, 0300 UT on August 18. Yes, it has been fixed. Tiganesti TX1 returned on air yesterday 17. Aug. 2022 at 1000 UT. (Alexander Busneag-D, wor Aug 17 / 18)

Radio Romania International on 7375 kHz // 9850 kHz, 0300 UTC on August 18, 2022. Excellent news that Tig #1 is finally back on the air after I think about 16 months absence. Let's hope that the repair lasts, for I remember there was trouble with this transmitter before.

One thing which is puzzling me is why Tig#3 (also 300 kW) was not used as a replacement whilst Tig#1 was out of action. Is this transmitter non-operational, or maybe it is only reserved for relays of foreign broadcasters (for example IRRS). Perhaps it can be coupled to only a few and not all of the antennas which are available. Do you have an explanation Alexander?

(Alan Holder, G4ZBH Isle of Wight, U.K., WOR Aug 19)

TX3 is non-operational at the moment. But it had been operational for a few months, a few years ago, in order to temporarily retransmit broadcasts scheduled for TX1 which was out of order at that time. As far as I know, TX3 is normally used as a "spare parts store". ;-)

(Alexander Busneag-D, WOR Aug 19)

For the first time I can recall this season, I am hearing R Romania International on 7375 kHz (in addition to 9850 kHz) during their 0300 UT broadcast directed to western North America. Perhaps their trouble at the Tiganesti site has been fixed?

7375 kHz heard weakly on my own equipment in Calgary, Alberta, in a very noisy environment; also received via the web-controlled KiwiSDRs operated by VE6ARS south of Calgary (much clearer at this rural location) and W1NT in Newton, N.H. (very strong reception).

(Ricky Leong, WOR Aug 18)

**SINGAPORE** - BBC World Service frequencies registered on HFCC database shows changes to English via Kranji, Singapore, ENC brokered FMO:

15620 0100-0159 English to SAs Sa & Su only, from 2nd July. (WeAS daily)

17790 0100-0200 English to SAs Mo-Fr from 2nd July NEW. (ex 15620)

15640 1200-1259 English to EAs Sa-Su only, from 2nd July. (WeAS daily)

11695 1200-1300 English to EAs Mo-Fr from 2nd July NEW. (ex 15640)

(Alan Pennington-UK, July 8; BrDXC-UK "Communication" Magazine Aug 6)

**SPAIN** - 17855 kHz on August 1 at 2200 UT, REE another Monday, another week, another month, still no token English as allegedly scheduled on REE; rather another episode of 'Canciones Tenebres' about Cuba. Rechecking the English podcast page, still nothing new since 16 July. Ironically, just before the 2200 UT timesignal was a song about summer in English on the program outroed in Spanish as 'Canciones de Verano'.

Something's messed up in Madrid - 17855 kHz, Wednesday August 3 at 2200 UT REE still no English, but more of 'Canciones Tenebres' about Cuba. Following links below for what's supposedly on now, 'El Guateque', that program last aired on 14 Febr 2020 !

(gh, via NASWA Electronic Flashsheet #1060 Aug 7)

15520 kHz REE w/En language service (returning, as they said at the beginning of the show, after a holiday) w/News, including items about high speed train between Madrid and Barcelona halted for 5 hours because of cables being stolen.

Also tourism post COVID being 'stretched' in Spain because of the resurgence of travelers. At end of news, the COVID numbers for Spain: the incidence rate for those over age 60 for the fortnight ending August 3 was 395 per 100k population, and so far there have been over 13,256,000 cases, with 111,094 deaths, 310 of them in the week ending 3 August.

After the news, a repeat of the show with the female clown from 18 July.

16 metres was dicey, and this channel was also not as good as usual, 3+543+3+ 2200-2220 UT on 8 Aug RSPdx +SDRuno +ANC-4 +randomwire Zichi MI

17855 kHz REE w/EE language service w/Justin Coe both reading the news and doing the 'letterbox' feature. News today included items about an extradition request from Peru to Spain for a 'war criminal' from the 1980s who was convicted in Peru, but who reappeared in Spain this year. Also discussed the attempts to cut gas use in the EU to help offset issues with Russian supply this winter.

At end of news, the COVID numbers for Spain: the incidence rate for those over age 60 for the fortnight ending August 6 was 336 per 100k population, and so far there have been over 13,280,000 cases, with 111,339 deaths, 222 of them in the week ending 7 August.

In letterbox Justin explained that a 'confluence' of events caused the lack of En programming in late July. He was scheduled for vacation, and Amy Egan was out sick, and they are a 'two person department' so there was no backup. He talked about the past when they had more staff, and intimated that there were plans to add one more person in English and French departments so I guess things are going well in Spain?

They need more letters to encourage them! Today's show included emails from people 'who don't listen to SW' in places like the UK, Pennsylvania, Australia, Virginia, and Alberta.

MUCH better than Monday, 4+554+4+ 2200-2230 Ut on 10 Aug RSPdx +SDRuno +ANC-4 +randomwire (Zichi MI-USA, WOR Aug 15)

**TAIWAN** - {to MALDIVES nationals target} 11620 kHz on July 26 at quick check 1525 UT, Voice of Martyrs Korea, secret site maybe {via Pao Chung site in} Taiwan, S7/S9 into University Enschede Twente, still in English not Dhivehi language; has huge secondadjacent QRM splash from 11610 kHz in American English which means it must be CRI: yes, 500 kW, 269 degrees from Kashgar Xinjiang province division in China, {*EAST TURKISTAN called geographical region in the west, wb.*}, land of imperialist ChiCom genocide against Uighurs and other Moslems. {?}  
(gh / also Ron Howard-CA-USA, WOR July 26)

Reception of Radio Taiwan International in Russian on 9490 kHz via Paochung, August 25:  
1100-1158 on 9490\*PAO 300 kW / 002 deg to NEAs Russian. Very good via SDR So Phisal, Thailand.  
\* co-ch same 9490 KUN 150 kW / 177 deg to SEAs Khmer CGTN China Radio International til 1130UT

Reception of Radio Taiwan International RTI in Korean on 9570 kHz via Tamsui, August 25:  
1030-1058 on 9570 TSH 100 kW / 002 deg to NEAs Korean. Good+jamming via SDR So Phisal, Thailand  
(DX MIX, August 26, 2022)

**TAIWAN / CHINA** - Taiwan Sound of Hope; and other subjects of China mainland jamming.  
SOH Taiwan A-22 Shortwave Frequency list of 2022, monitored by wb on August 19. Also on log noted some other China CNR1 jamming broadcasts. Log of August 19 checked some Asian target outlets on remote SDRs in Hiroshima, Akitaka, as well as at northern Tokyo Japan Far East.

CNR1 Beijing program compared during monitoring against web player  
<<http://www.surfmusic.de/radio-station/cnr-1-voice-of-china,10555.html>>

6030DRM mode CNR1 Beijing 3FF code digital transmission, S=9+30dB.	
Scheduled 09.00-18.05 UT.	at 10.00 UT.
6040.006 CHN PBS Nei Menggu, Hohot, Mongolian	at 11.38 UT.
6060even CHN PBS Sichuan 2 from Chengdu, Tibetan, S=7	at 11.44 UT.
6079.997 CHN PBS Hulun Buir, Xinwen Zongh, Mongolian	at 11.46 UT.
6180even 1000-1600 CHN CNR1 Jammer. Mandarin, Fuzhou (Fuj	

S=9+30dB in remote SDR at Hiroshima against at 10.15 UT.  
 6180even TWN R. Taiwan Int. Danshui, Mandarin. at 10.16 UT.  
 6214.942 TWN SOH Chinese, S=8-9 level, August 19 at 09.25 UT.  
 6229.933 TWN SOH Chinese, S=7 in Hiroshima August 19 10.19 UT.  
 6230even CHN CNR1 Mandarin Chinese jamming against SOH TWN  
 S=9+5dB in Tokyo-JPN 10.50 UT.  
 6279.995 TWN SOH Xi Wang Zhi Shen, Miaoli, S=9 at 10.23 UT.  
 6340.173 TWN SOH Xi Wang Zhi Shen, Miaoli, S=9 at 10.24 UT.  
 6369.975 TWN SOH Chinese Mandarin, S=9+5dB Aug 19 at 10.28 UT.  
 6710.035 TWN SOH Xi Wang Zhi Shen, Miaoli at 10.34 UT.  
 6850.010 TWN SOH Xi Wang Zhi Shen, Miaoli at 10.35 UT.  
 6864.995 TWN SOH Xi Wang Zhi Shen, Miaoli, S=9 at 10.36 UT.  
 6865even CHN CNR1 Mandarin Chinese jamming against SOH TWN  
 S=9+15dB in Tokyo-JPN at 12.00 UT.  
 6899.990 CHN CNR1 Mandarin Chinese jamming against SOH TWN  
 S=9+5dB in Hiroshima-JPN, irregul. at 12.10 UT.  
 6900.023 TWN SOH Xi Wang Zhi Shen, Miaoli, S=6 at 10.38 UT.  
 6970.094 TWN SOH Xi Wang Zhi Shen, Miaoli, S=6 at 10.40 UT.  
  
 7199.991 TWN National Unity R in Korean via Pao Chung at 12.00 UT  
 12.00-12.58 UT. 7200 kHz No ITU BC range border channel !  
 S=9+30dB signal in northern Tokyo-JPN SDR unit.  
 7209.889 TWN SOH Xi Wang Zhi Shen, Miaoli, S=8-9 at 10.42 UT.  
 7259.938 CHN PBS Xinjiang Urumqi, in Mandarin, Aug 19 at 10.47 UT.  
 7280.090 TWN SOH Xi Wang Zhi Shen. 0000-2359 Chinese Miaoli  
 S=8-9 in Hiroshima-JPN. at 10.49 UT.  
 7310even CHN CNR1 jamming signal against TWN SoH services, 16.27 UT.  
 7310.059 TWN SOH Xi Wang Zhi Sheng. 0000-2359 UT Chinese Miaoli  
 S=8 in Tokyo-JPN. 16.30 and 10.54 UT.  
 7419.999 CHN CNR PBS Nei Menggu Hohhot, Chinese at 11.06 UT.  
 7600.161 TWN SOH Mandarin S=7, 0200-0100 UT. at 11.08 UT.  
 7644.975 TWN SOH Mandarin S=8, 0200-0100 UT. at 11.20 UT.  
 7730.079 TWN SOH Miaoli Chinese S=7-8 signal level at 11.22 UT.  
 9119.972 TWN SOH Xi Wang Zhi Shen, Miaoli, S=7 Aug 19 at 03.00 UT.  
 9155even CHN CNR1 jamming S=9+10dB Aug 19 at 16.41 UT.  
 9155.007 TWN Sound of Hope Taipei, S=9 at 09.39 UT.  
 9180.005 TWN Sound of Hope Taipei, S=8 at 03.02 UT.  
 9214.993 TWN Sound of Hope Taipei, S=7-8 at 02.44 UT.  
 9230.181 TWN Sound of Hope Taipei, S=6 at 02.42 UT.  
 9254.878 TWN Sound of Hope Taipei, S=8 Aug 19 at 02.40 UT.  
 9255even CHN CNR1 jamming S=9+15dB Aug 19 til 13 UT cl-d, 02.39 UT.  
 9280.104 TWN Sound of Hope Taipei, S=5 poor at 02.38 UT.  
 9299.930 TWN Sound of Hope Taipei, S=8 at 02.37 UT.  
 9300even CHN CNR1 jamming S=9+5dB at 11.05 UT.  
 9339.802 TWN SOH Xi Wang Zhi Shen. S=6 at 02.35 UT.  
 9420DRM mode digital CNR1 Qiqar site NoEaChina, S=7 in Tokyo 02.31 UT.  
 9425.004 TWN RTI in Vietnamese 11-12 UT, via Pao Chung 11.24 UT.  
 9454.985 TWN Nippon no Kaze, Korean via PaoChung, at 13.00-13.30 UT.  
 in Japanese Furusato no Kaze at 13.30-14.00 UT.  
 9470even CHN PBS Xinjiang Urumqi, Kazakh sce at 09.14 UT.  
 9510even CHN PBS Xinjiang Urumqi, Mongolian sce at 09.13 UT.  
 9529.941 TWN SOH Xi Wang Zhi Shen, Miaoli, S=7 Aug 19 at 02.20 UT.  
 9530even CHN CNR11 Baoji Sifangshan RTC #724 site, S=8 at 02.21 UT.  
 9554.988 TWN RTI in Chinese 11-13 UT, via Pao Chung 11.33 UT.  
 9555even CHN CNR1 jamming S=9+10dB at 11.30 UT.  
 9559.982 CHN PBS Xinjiang Urumqi, Uyghur sce at 09.12 UT.  
 9660even CHN CNR1 jamming S=9+10dB at 11.43 UT.  
 9660.005 TWN RTI in Chinese 11-13 UT, via Kouhu bc center 11.45 UT.  
 9680even CHN CNR1 jamming S=9+10dB at 11.47 UT.  
 9680.008 TWN RTI in Chinese 11-14 UT, via Pao Chung site 11.48 UT.  
 9704.986 TWN Furusato no Kaze, Japanese via PaoChung, 13.30-14.00 UT. at 13.35 UT.  
 9719.994 TWN SOH Xi Wang Zhi Shen, Miaoli, S=8 Aug 19 at 02.14 UT.  
 9720even CHN CNR2 Business Radio Baoji-Xinji S=9 on Aug 19 02.16 UT.  
 9729.965 VTN Voice of Vietnam, Son Tay, Vietnamese, 20.00-20.30 UT

S=8-9 signal 17.15 and 20.04 UT.

9749.690 CHN PBS Nei Menggu, Mongolian, Aug 19 at 09.02 UT.  
9779.989 CHN PBS Qinghai Xining, in Mandarin, S=7-8 at 08.45 UT.  
9849.892 TWN SOH Xi Wang Zhi Shen, Miaoli, S=8 Aug 19 at 02.09 UT.  
9910even CHN CNR1 jamming S=9+10dB on August 19 at 02.02 UT.  
9919.940 TWN SOH Xi Wang Zhi Shen, Miaoli, S=8 Aug 19 at 01.59 UT.  
9970even CHN CNR1 jamming signal S=9+15dB, Chinese Firedrake music  
against on August 19 17.33 UT.  
9969.972 TWN SOH Xi Wang Zhi Shen, Miaoli, S=8 Aug 19 at 01.55 UT.  
9985even CHN CNR1 jamming S=9+10dB on August 19 at 01.50 UT.  
[selected SDR options, span 10.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews  
August 19)

10819.867 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=6 Aug 18 16.44 UT.  
10869.868 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6-7 16.43 UT.  
10939.917 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 at 16.42 UT.  
10959.712 TWN SOH Xi Wang Zhi Shen. Mandarin. S=6 Aug 17 & 18 16.41 UT.  
11100.002 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7 16.39 UT.  
11170.088 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 16.38 UT.  
11460.090 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8 16.37 UT.  
18 kHz wide CNR1 audio block.  
11499.979 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 16.38 UT.  
11775.003 CHN CNR1 program jammer in Mandarin, S=7 strong at 17.08 UT.  
11870even UNID Mandarin program S=8 at 16.40 UT.  
AUT AWR in Persian via ORS Moosbrunn relay, S=9 16.45 UT.  
11884.992 CHN PBS Xinjiang Urumqi in Uyghur sce, 14.30-1800 UT 16.08 UT.  
and co-channel interference buzz tone  
11885even VTN VoVTN Sontay in En at 16.00 UT, S=9+5dB at 16.10 UT.  
11895.000 CHN CNR1 jamming on July 23, against at 04.48 UT.  
11974.990 CHN CNR1 jamming on Aug 18, against at 15.55 UT.  
12135.036 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 15.52 UT.  
12169.956 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 15.51 UT.  
12189.921 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=6 Aug 18 15.44 UT.  
12209.911 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=9 Aug 18 15.49 UT.  
12 kHz wideband audio block.  
12229.983 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=7 Aug 18 15.42 UT.  
12364.885 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=6 Aug 18 15.46 UT.  
12499.918 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=6 Aug 18 15.38 UT.  
12794.978 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=5 Aug 18 15.37 UT.  
12819.889 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=8 Aug 18 15.59 UT.  
12834.998 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 15.58 UT.  
12864.974 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=9strong 15.51 UT.  
12879.972 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 15.50 UT.  
13549.953 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 15.38 UT.  
13720even MRA USAGM RFA Tibetan via Tinian Isl relay 15-16 UT SuTuThSat  
S=9+15dB signal, jamming not strong today at 15.27 UT.  
13770even CHN CNR7 Radio The Great Bay, from Kashgar #2022 site, Aug 15,  
10 kHz wideband audio, nice music program selection 15.38 UT.  
08.55-18.05 UT Cantonese lang, S=9+20dB time pips at 14.00 UT.  
13790even MRA USAGM RFA Tibetan via Tinian-MRA bcast center at 15.35 UT.  
Mon, Wed, Fri only.  
13790.016 SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5 poor 15.15 UT.  
13810 kHz three signals in 15-17 UT time slot, like  
13809.913 TJK USAGM RFA Chinese via Dushanbe Yangi Yu1 site at 15.23 UT.  
13809.968 CHN CNR1 mainland jamming and at 15.10 UT.  
13809even CHN CNR1 mainland jamming at 15.25 UT.  
13889.893 SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=7, Aug 15 at 15.19 UT.  
14429.873 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5 at 15.06 UT.  
14900.031 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5 at 15.06 UT.  
15050.005 IND AIR Bangalore in Mandarin, 10.30-12.00 UT S=7 11.58 UT.  
15209.997 GUM KSDA AWR Agat in Chinese, not jammed by CHN mainland.  
on Aug 17. S=9+10dB signal level in Tokyo JPN at 11.45 UT.  
15279.998 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5 10.34 UT.  
15330even CHN CNR1 mainland jamming noted on August 17 at 10.35 UT



At S=8 level. 10 kHz wide audio block. And co-channel underneath

15330.002 MRA USAGM RFA Tibetan 10-11 UT via Tinian island 10.36 UT.  
15340.008 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5 10.24 UT.  
15359.889 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 10.23 UT.  
15360even CHN CNR1 mainland jamming noted on Aug 17 at 10.22 UT.  
At S=9+25dB level. 10 kHz wideband broad audio block.

15420.011 GUM KSDA AWR Agat in Chinese, not jammed by CHN mainland.  
on Aug 17. S=9+20dB signal level in Tokyo JPN at 10.20 UT.

15450.038 GUM KSDA AWR Agat in Chinese, not jammed by CHN mainland.  
at 10.08 UT on August 17. S=9+20dB signal too in Japan.

15460.155 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=4 at 10.17 UT.  
15709.869 CLN AWR Chinese service, very smooth audio modulation, Aug 15  
S=9+15dB in Hiroshima and Tokyo JPN, 14-15 UT at 14.44 UT.

15729.996 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=4 at 14.40 UT.  
15745even CHN CNR1 mainland jamming noted on August 18 at 13.59 UT.  
and final time pips of Beijing at 14.00 UT sharp. Against  
co-channel RFA Tibetan via Dushanbe Yangi Yu1 13-14 UT Tibetan.

15759.944 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=9 signal ! and at 13.58 UT.  
15760even CHN CNR1 mainland jamming noted at 13.55 UT.  
15760.002 on August 17. Also second jammer on 15760.002 kHz co-channel.  
At S=9+20dB powerhouse level. 20 kHz wide audio block.

15799.950 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, at 13.47 UT.  
15800even CHN CNR1 mainland jamming noted on August 17 at 10.08 UT.  
At S=9+15dB level. 16 kHz wide audio block.  
Beijing time pips 09.59 to 10.00 UT, and jammer TX switched OFF.

15870.025 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, at 13.45 UT.  
15890.020 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8, 10.05 UT.  
15919.856 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 10.00 UT.  
15919.900 CHN CNR1 mainland jamming noted Aug 18 at 13.43 UT.  
At S=9+5dB level. 16 kHz wide audio block.

15920even CHN CNR1 mainland jamming noted Aug 17, start at 10.03 UT.  
At S=9+10dB level. 20 kHz wide audio block.

15969.738 TWN SOH Xi Wang Zhi Shen Chinese, Miaoli on Aug 18 at 13.52 UT.  
S=7 on August 17 at 09.45 UT.

15970even CHN CNR1 mainland jamming noted on August 18 at 09.42 UT.  
At S=9+20dB level. 20.7 kHz wide audio block. at 13.40 UT.

16099.945 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6, 09.51 UT.  
16100even CHN CNR1 mainland jamming noted on August 11 at 23.44 UT.  
At S=9+15dB level. 16 kHz wide audio block. at 09.51 UT.

16160.078 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. 09.45 UT.  
16249.680 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=5, 06.57 UT,  
but no CNR1 jamming on that channel.

16299.651 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin S=7 Aug 18 13.35 UT.  
16789.783 TWN SOH Xi Wang Zhi Shen Miaoli, Mandarin. S=9 strong 09.20 UT.  
17169.936 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=8 09.13 UT.  
12 kHz wide SOH audio block. Fq unstable signal.

17280.183 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 09.10 UT.  
17400.236 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 09.08 UT.  
17440.056 TWN SOH Xi Wang Zhi Shen. Miaoli, Mandarin. S=6 09.06 UT.  
12 kHz wide SOH audio block. RFA tx for SOH.

17485even and

17485.002 CHN CNR1 Jammer. 2300-1400 Mandarin, S=9+10dB at 09.28 UT.  
17485.010 THA VoA Chinese sce via US AGM Udon Thani relay at 09.30 UT.  
17490even CHN CRI in Cantonese, 00-01 UT S=7 in Alberta 00.14 UT.  
17490.052 D\_\_ US AGM VoA Tibetan lang via Biblis-D, Aug 15 at 14.35 UT.  
17550even CHN CNR1 Mandarin, Beijing, 00-06 UT S=6 in Alberta 00.15 UT.  
17560even PHL VoA Chinese sce via US AGM Tinang relay at 00.12 UT.  
17580even CHN CNR1 Mandarin, Lingshi, 23.30-06.00UT, S=6 in Alb 00.16 UT.  
17689.959 MRA US RFA Saipan Agignan Point, Mandarin outlet.  
17689.997 CHN CNR1 jamming, Aug 15, and 14.01 UT.  
17690.000 CHN CNR1 jamming, July 23 and 04.20 UT.  
17690.006 D\_\_ USAGM VoA Mandarin, via LAM-Germany, S=7 14.26 UT.  
17770DRM CHN CNR1 digital 3ED xHE Dong Fang Isl site, S=9+10dB 08.53 UT.

17830DRM CHN CNR1 Mandarin, Dong Fang Isl, 01-08 UT S=8 in Alb 01.17 UT.  
 17859.967 MRA USAGM RFA Saipan Agignan Point, Tibetan 13-14 UT 13.14 UT.  
 20 kHz wideband signal in Hiroshima-JPN. Underneath co-channel  
 17860even CHN CNR1 Jammer. S=9+10dB signal in Hiroshima-JPN at 13.18 UT.  
 17890even CHN CNR1 Mandarin, Beijing, 01-06 UT S=8 in Alberta 01.13 UT.  
 18179.782 TWN SOH Xi Wang Zhi Shen Chi Miaoli on Aug 17 08.20 UT.  
 S=5 - unstable fq shift 8 Hertz up and down. at 10.33 UT.  
 18360.007 TWN SOH Xi Wang Zhi Shen Chi Miaoli on Aug 17 08.18 UT.  
 18360.011 at 10.34 UT.  
 18899.562 TWN SOH Xi Wang Zhi Shen Chi Miaoli on Aug 17 08.14 UT.  
 18900even CHN CNR1 Jammer Mandarin, 2200-2400 UT 11 - 24 kHz wide broad-  
 Audio block. S=7 on Aug 11, off switch at 24.00 UT after pips at  
 23.30 UT. Start S=9 sig of different jammer on Aug 12 at 01.12 & 00.02 UT.  
 S=9+20dB powerful jammer on Aug 15 at 13.35 UT.  
 S=9+20dB powerful jammer on Aug 17/18 at 08.11 & 10.39 UT.  
 18900.005 CHN CNR1 jamming, 12 kHz wide audio block. Aug 18 at 09.56 UT,  
 18900.021 CHN CNR1 jamming, 12 kHz wide audio block. at 04.31 UT,  
 18899.549 TWN SOH Mandarin Falun Gong sect, S=6 in Tokyo-JPN.  
 18969.816 TWN SOH Xi Wang Zhi Shen Chi Miaoli Aug 12 & 16 & 18 00.03 UT.  
 S=9 in Tokyo-JPN Mandarin Falun Gong sect,  
 S=8 in Hiroshima-JPN, at 08.08 & 10.41 UT.  
 18970even 2200-1000 CHN CNR1 Jammer Mandarin, 20 kHz wide broad audio,  
 S=8 on August 12, against SOH TWN at 08.05 & 00.40 UT.  
 S=8 on August 18. at 09.50 UT.  
 21504.991 MRA US RFA Tinian Mandarin outlet.  
 21505.000 and 21505.005 two! China mainland CNR1 jammer coverage.  
 S=9+10 at 04.12 UT.  
 21530even CHN CNR1 program jamming powerful signal. S=9+20dB at 00.37 UT;  
 on August 12 also 01.10 UT.  
 on August 18 also 09.30 UT.  
 21564.991 MRA USAGM Tinian Isl bcast center, 10-11 UT RFA Tibetan sce  
 21565even CHN CNR1 program jamming powerful S=9+10dB Aug 18 at 10.07 UT.  
 Three signals noted Aug 18 at 09.34 & 10.10 UT:  
 21694.852 PHL fundamental USAGM Tinang relay center 09-11 UT VoA Mandarin  
 or / and  
 21694.987 CHN CNR1 program jamming at S=9 level in Delhi, also //  
 21694.997 CHN CNR1 program jamming at S=9+20dB level in Tokyo 10.25 UT.  
 21799.626 TWN highest SOH Mandarin Falun Gong sect opposite program.  
 on July 23 04.44 UT.  
 21799.642 TWN highest SOH Mandarin Falun Gong sect opposite program.  
 on August 11/12 01.08 / 23.52 UT.  
 Final frequency channel of A-2022 season traced now:  
 21800.000 CHN CNR1 jammer - 20.6 kHz kHz wideband audio - against highest SOH TWN  
 outlet in frequency, August 12 also 00.08 / 02.52 / 06.10 UT.

RFA Mandarin noted in Tokyo, Hiroshima and Delhi SDR installations remotely:

0400-0500 UTC 11895SAI 13750KWT 17690SAI 21505TIN

0500-0600 UTC 11895SAI 17690KWT 21690TIN

[selected SDR options, span 13.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews July 23, August 11 - 18)

**TAJIKISTAN / UAE** - Two frequencies originating from KTWR Guam have been moved to others sites Mike Sabin, TWR Asia Broadcast Technical Operations Director confirmed in an email to Zenon Teles that "ENC Encompass" FMO of Al Dhabbaya-UAE is doing 13740 kHz for us, because KTWR's TX#7 is down. It is awaiting a part that is no longer manufactured by the original company".  
 (via Tony Rogers).

The changes affect:

1200-1215 9975 dsb 250 kW 87deg to EAs Chinese Daily, ex via TWR Guam

1215-1230 9975 dsb 250 kW 87deg to EAs Nosu Yi Mo-Sa, ex via TWR Guam

1245-1300 13740 dha 250 kW 85deg to SAs English Su-We TWR India, ex Guam

1300-1304 13740 dha 250 kW 85deg to SAs Hindi Mo-Fr TWR India, ex Guam

1304-1306 13740 dha 250 kW 85deg to SAs English Mo-Fr TWR India, ex Guam  
 1315-1330 13740 dha 250 kW 85deg to SAs Bhatiri Sunday TWR India, ex Guam  
 (Ivo Ivanov Bulgarian DX Blog 22 July; via BrDXC-UK "Communication" magazine Aug 6)

**TAJIKISTAN (non)** - Frequencies of Voice of Tibet in 31mb:

1300-1305 on 9894.9vDB\* 100 kW / 131 deg to CAs Tibetan  
 1305-1311 on 9886.9vDB\* 100 kW / 131 deg to CAs Tibetan  
 1311-1335 on 9876.9vDB\* 100 kW / 131 deg to CAs Tibetan  
 1330-1334 on 9893.0 DB 100 kW / 131 deg to CAs Tibetan  
 1334-1400 on 9887.0 DB 100 kW / 131 deg to CAs Tibetan  
 1335-1340 on 9863.9vDB\* 100 kW / 131 deg to CAs Tibetan  
 1340-1400 on 9892.9vDB\* 100 kW / 131 deg to CAs Tibetan

\* alternative tx via TAC 100 kW / 131 deg to CAs Tibetan  
 (DX MIX, August 26, 2022)

**THAILAND** - HSK9 Radio Thailand World Service in English on 9920 kHz via Udorn Thani, August 12:

1830-1930 on 9920 UD0 250 kW / 313 deg to WEu English. Very good signal via SDR Heimiswil, SUI

HSK9 Radio Thailand World Service in English on 17640 kHz via Udorn Thani, August 15:

till 0500 on 17640 XIA 500 kW / 292 deg to EEU Russian CGTN China Radio International very good  
 0500-0530 on 17640 UD0 250 kW / 324 deg to WEu English. Good signal via SDR So Phisal, Thailand  
 (DX MIX 1258)

**TURKEY** - New time of Voice of Turkey in Georgian / Turkmen / Italian / French from August 26:

0800-0825 on 9655 EMR 250 kW / 072 deg to CAs Georgian, ex 1000-1055UT on same 9655  
 0800-0825 on 15285 EMR 250 kW / 072 deg to CAs Turkmen, ex 1200-1225UT on same 15285  
 0830-0855 on 11710 EMR 250 kW / 290 deg to SEEU Italian, ex 1400-1425UT on same 11710  
 1000-1055 on 9635 EMR 500 kW / 300 deg to WEu French, ex 1930-2025UT on same 9635

But on Saturday, August 27 NO SIGNAL on these frequencies at 0800UT, 0830UT and 1000U  
 (DX MIX, August 26/27, 2022)

**UNITED ARAB EMIRATES** - 15215 kHz Gaweylon Tibetan Radio via Dhabbaya, noted here 1202 UT, on Aug 15. quick check with the "Gaweylon Song" on flutes and drums. Very poor signal but at least able to confirm they are indeed also xmtng on Mondays as sked (Su/Mo/Tue 1200-1230 UT).

Gaweylon Tibetan Radio via ENC Al Dhabbaya, on Aug 16. fair signal 1212 UT noted with OM halting talks in pres Tibetan. So sked confirmed, they are on at least Sun/Mon/Tue 1200-1230 UT, as also noted on their website.  
 (Ralph Perry, Wheaton-IL-USA, NASWA Electronic Flashsheet #1062 Aug 21)

**UNITED ARAB EMIRATES {U.K. , non}** - Registered frequency in A-22 HFCC for new unknown broadcast

1100-1200 UT on 21500 DHA 250 kW 60 deg to EAs Chinese - from August 1st.  
 (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Aug 2)

Check 21500 kHz at 1100-1200 UT. Re Tentative 21500 kHz UAE Al Dhabbaya 11-12 UT in Mandarin Chinese ?  
 Checked also US AGM RMS logs under China, - negative -, nothing 21500 kHz entry found so far.

Nothing observed in 13 mb at 11 UT today April 2nd, checked west European KIWI SDRs, also Perseus unit at Delhi, and various Perseus RX locations in Japan - remotely.

The only bc station in 13 mb was today at 11.01 UT

21670.033v Radio Saudi International Riyadh in Indonesian language, requested 09.00-11.57 UT, S=8 in Hiroshima-JPN at 11.01 UT on Aug 2nd.

[selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (wb df5sx, wwdxc BC-DX TopNews Aug 2)

**UNITED KINGDOM** - 15510 kHz FEBA Radio Sama px via ENC Woofferton relay site heard at 1815 UT on Aug 2, a man giving website and frequencies in listed Fur. This was followed by a sub-continental song sung by a group of women. Good - fair.

(Bob Brossell Pewaukee-WI-USA, NASWA Electronic Flashsheet #1060 Aug 7)

15660 kHz VOA via ENC Woofferton relay site, heard at 1819 UT on Aug 2.

Two men commenting on brief soundbites in listed Amharic. Fair to good.

(Bob Brossell, Pewaukee-WI-USA, NASWA Electronic Flashsheet #1060 Aug 7)

7300 kHz HCJB Radio Akhbar Mufria in Berber and Arabic via ENC Woofferton bc center, 250 kW. 2100-2130 UT; Broadcasting Mo-Sa in Berber 21.00 UT. Sundays in Berber language, at 21.15 UT in Arabic.

Thank you for your confirmation request (of a QSL card). We will take care of it as soon as possible.

Daniel Berger, Secretary ~ Secetaire.

Radio Akbar Mufriha.

E-mail: <akhbarmufriha -at- outlook.com>

<email -at- akhbarmufriha.com>

'Akhbar Mufriha' The Joyful News Station. (hcdx, Aug 18)

BBC World Service continues its series of edited highlights from this years' BBC Proms Season:

Saturdays 13, 20 and 27 August, 3 Sept at 1806 UT (to Middle East):

6195-sla, 12025-sng

Saturdays 13, 20 and 27 August, 3 Sept at 1906 UT (to Africa):

6155-sao, 6195-dha, 7265-mdc, 7445-mdc, 11810-wof, 12095-asc

Sundays 14, 21 and 28 August, 4 Sept at 1106 UT (to Asia):

6195-sng, 9410-sng, 11945-sng

As Glenn Hauser pointed out in WOR iog mail list recently, the full series of BBC Proms (including the above in their original unedited form) are available online at

<<https://www.bbc.co.uk/sounds/brand/b007v097>>

(Alan Roe, Teddington-UK, BrDXC-UK iogroups Aug 7 / 17)

**U.S.A.** - WMLK on 9275 kHz; mail of Bodo DF8DX to Wolfgang DF5SX, automated translation into English.

... I was in the USA in June and put WMLK into operation. Currently they only broadcast on 9275 kHz in AM (daily except Saturdays, 1300 ... 1800 local time). They are testing something with various settings (DCC, power, etc). In the next few months, the 15150 kHz will also be put into operation. The antenna doesn't allow it at the moment.

More work will probably be done in October (when all the material is there). There should then be a DRM upgrade and a few remaining works to be carried out. WMLK is very interested in reception reports. They would also like to send QSL cards again. This has probably already been done in the past, but they no longer have any cards.

Bodo, DF8DX

(wb df5sx, wwdxc BC-DX TopNews July 20)

WMLK on 9275 kHz, 31mb outlets are NOT a nearby skip transmission production: for example in cold war time some 50 years back in Europe was the 'like distance' on daytime in 31 mb some minimal 1800 km from DWL Cologne or RL Lampertheim Germany towards Bulgaria or Moscow as such ...

Here on June 20 all these 'S4 ... to S9 R Marti' signal for example the TX chain on 31 mb observed today around 20.00 and 20.30 UT:

7850.000 kHz CAN CHU Ottawa time and standard.

9264.985 kHz USA WINB Red Lion PA state.

9275.008 kHz USA WMLK, surprisingly upper side plus 8 Hertz (!)  
via a brand new TX unit. Unstable mainpower access at the station?

9330even kHz USA WBCQ Maine US state.

9395even kHz USA WRMI Okeechobee FL US state.

9460.004 kHz TUR TRT Emirler S=5-6 Turkish service, 16-21 UT.

9565even kHz USA USAGM Greenville, opposite R Marti towards CUBA country

9575even kHz ROU RRI Galbeni site, French 20.00-20.27 UT.

9610even kHz AUT AWR DYU NoAF. ORS Moosbrunn, S=4 sidelobe in NY state.

9635.008 kHz TUR TRT Emirler in French, 19.30-20.28 UT.

9675.008 kHz ARS R Saudi Internat from Riyadh, Turkish sce 18-21 UT, S=5

9705even kHz CVA English from Vatican Radio at Santa Maria di Galeria,  
20.00-20.30 UT

9880.004 kHz TUR TRT Emirler in French language at 20.24 UT.

9955even kHz USA WRMI Okeechobee FL US state.

checked against 10 MHz WWV / WWVH standard signals.  
(wb df5sx, wwdxc BC-DX TopNews June 20)

Checked the Rockport Maine SDR remotely at 1845 UT. Found WMLK with a huge  $S=9+30\text{dB}$  signal. Beautiful audio quality. Obviously their 53 degr curtain antenna is working well beaming North-East across Eastern Canada.  
(Alan Holder-UK, G4ZBH Isle of Wight, direct and WOR June 20)

9265 kHz WINB Red Lion, 2330-0000 UT on 4 Aug. SWRadiogram 266: terrible with deep fades at image trigger time. I could hear the transmission which at times fading in nicely and was good, but was soon swamped by a deep fade that usually occurred at image trigger. SINPO 23222. {signal on lower side flank, rather 9264.986 kHz, wb}  
(Tony Pavick-BC-CAN, via NASWA Electronic Flashsheet #1060 Aug 7)

9275 kHz WMLK Bethel PA state, 1710-1720 UT, 01 Aug, En. Hymn 'How Great Thou Art' played on a flute followed at 1713 UT by a piano hymn. Station ID at 1716 UT followed by a sermon. Deep fades SINPO 44334.  
(Tony Pavick-BC-CAN, via NASWA Electronic Flashsheet #1060 Aug 7)

9330 kHz WBCQ Monticello ME state, 1150-1200 UT 2 Aug, En. World's Last Chance radio. Woman doing promos for station. Gave website links about articles on why God commands Christian to kill and destroy evil.

Promo by another woman about E-Courses. 1153 UT Man spoke about book of revelation saying that Demons will present as extraterrestrials to deliver the mark of the beast. Station ID at 1159 UT. Blowtorch signal! Monitored in a hotel room in center city Pittsburgh PA with the Sony ICF-7600D. SINPO 55555.  
(Tony Pavick-BC-CAN, via NASWA Electronic Flashsheet #1060 Aug 7)

Less Brother Stair on WRMI, effective Aug. 7:

Transmitter 10 on 5800 kHz is completely blank on the updated schedule grid, with no programming listed, but it is still on the air, noted with Overcomer at 0800 UT today // 7570 kHz.  
(Dave Kenny-UK, WOR Aug 7)

9330 kHz - July 15 at 0128 UT, no signal from WLCR/WBCQ. Ailing? Yes, a twit as of 13 hours before 0000 UT July 16:

"Allan Weiner -at- AllanWBCQ: 13hrs working at the stations. The great 500 kW transmitter is down. Very complex. All of us troubleshooting now. Free speech radio continues. Angela & Allan on tonight at 8pm eastern on 7490/6160/5130/3265 kHz.

Support radio-please listen. Your prayers appreciated. The big one??."

Well, UT Sat July 16 after 0000 UT, 3265 kHz is JBA S5 at Maryland SDR, mostly local and storm noise but SAM as carrier +151 Hz 3265.152v kHz.

3265.153v kHz much better S8/S9 into nearest PEI SDR. Apparently during AAAXWW original broadcast is only time it's occasionally returned.

3265 kHz is not even included in the program guide. A new AAAXWW, since discussing the Webb Space Telescope images. Angela is not within grasp of Allan but on a lo-fi remote phone line. I guess he is in ME, she in FL. Or, "she is on an errand".

Almost whole program is Allan lexuring us on the Universe and Everything, Relativity, with the inevitable Christian undertones. I'm listening via the 7490v webcast. Datestamp at 0038 UT as he is from Studio 1 in Monticello, for 15 July YOOLF 2022. Never heard anything about what's wrong with the SuperStition. 0053 UT into email. [...]

9330 kHz July 16 circa 0630 UT, WLCR/WBCQ is still off, reason unknown. Pray harder! [...]

9330.066, July 18 at 0233 UT,

9330.147, July 19 at 0028 UT,

9330.160, July 19 at 0638 UT,

9330.118, July 19 at 1515 UT,

Another measurement July 24 at 1437 UT:

9329.856V kHz, always in English when I check, now only S9 direct. At 1447 UT via Maryland remote,  $S=9+10\text{dB}$  and minus 143 Hz on 9329.857 kHz, calibration OK at WWV 10000 kHz standard signal.

Latest twit: "Allan Weiner -at-AllanWBCQ + 37m [= 1449 UT minus 37 1412 UT July 24] Working on the transmitters. 9330 kHz back on the air. The worlds free speech station is WBCQ. Always. Tune in tonight on 6160kHz for Area61 programming. Then Radio Angela on 5130 kHz at 10pm eastern. Shortwaves Rules??. We do it with real transmitters,

real RF, in real time. Really"

AW never volunteers pertinent info such as substituting one transmitter for another. Since the WLCR antenna and the classic 245-degree antennas and transmitters are at separate locations, it might have been difficult or impossible to intermix them.

WLCR language and azimuth usage has been quite flexible but per FCC A22, 9330 kHz would be  
250 kW, 180 degrees at 06-08 UT;  
250 kW, 290 degrees at 13-15 UT. If both transmitter and SS antenna are out of service, everything is probably no more than 50 kW on WSW beam.  
(wh, WOR July 16 - 24)

Reception of WTWW-2 "QSO Radio Show" in English on 5085 kHz via Lebanon, August 26:  
0438&0519 on 5085 TWW 100 kW / 180 deg to SoAm English. Very good via SDR Frostburg MD, USA  
(DX MIX, August 26. 2022)

**U.S.A. (non)** - Reception of Radio Free Asia in Burmese on new 9990 kHz via Dushanbe/Tinian, August 26:  
1230-1330 NF 9990 DB 200 kW / 125 deg to SEAs Burmese, ex 7530. Fair/good via SDR So Phisal, THA  
1330-1430 NF 9990 TIN 250 kW / 289 deg to SEAs Burmese, ex 7530. Very good via SDR So Phisal, THA  
9990 kHz is not registered in Summer A22 HFCC Database under United States Agency for Global Media  
(DX MIX, August 26. 2022)

### **UZBEKISTAN (non) -**

Radio Free North Korea in Korean on 11510 kHz via RRTM Telecom Tashkent, August 26:  
1300-1400 on 11510 TAC 100 kW / 076 deg to NEAs Korean. Good signal via SDR via SDR Tambov, Russia.

Reception of Voice of Martyrs on 15549.8v kHz via RRTM Telecom Tashkent, August 26:  
1200-1230 on 15549.8vTAC 100 kW / 076 deg to NEAs Korean. Good signal via SDR via SDR Tambov, Russia.  
(DX MIX, August 26. 2022)

**ZAMBIA** - 9680 kHz Voice of Hope Africa; at 0524-0532+ UT on Aug 4; Low-key religimusic; BoH ID w/freqs, Central African time TC, "From Los Angeles and Lusaka, this is the Voice of Hope" into more music. SIO=3+33 w/hiss QRM.

<<http://www.voiceofhope.com/player1.html#/player1?catid=0&trackid=1>> Listed // 11680 kHz not heard.  
(Harold Frodge-MI-USA, WOR Aug 5) scheduled 04-08 UT.

4965	Voice of Hope Africa	16:00-21:00	1234567	English	100	ND	ZMB	Lusaka
6065	Voice of Hope Africa	16:00-21:00	1234567	English	100	315	ZMB	Lusaka
6085	Voice of Hope Africa	14:00-16:00	1234567	English	100	315	ZMB	Lusaka
9680	Voice of Hope Africa	04:00-08:00	1234567	English	100	ND	ZMB	Lusaka
9680	Voice of Hope Africa	14:00-16:00	1234567	English	100	ND	ZMB	Lusaka
11680	Voice of Hope Africa	04:00-08:00	1234567	English	100	315	ZMB	Lusaka

**VANUATU** - Radio Vanuatu and info about Solomon Islands - August 8 in coming B-22 season; the New Zealanders FMO 'RNZ' brokery requested this date of previous seasons:

2485	1000	1900	56,51	PVL	10	0	0	400	301022	260323	Bis	VUT	VBT	RNZ
3945	0700	1000	56,51	PVL	10	0	0	400	301022	260323	Bis	VUT	VBT	RNZ
3945	1900	2400	56,51	PVL	10	0	0	400	301022	260323	Bis	VUT	VBT	RNZ
5040	2000	2300	56,51	PVL	10	0	0	400	301022	260323	Bis	VUT	VBT	RNZ
7260	0100	0700	56,51	PVL	10	0	0	400	301022	260323	Bis	VUT	VBT	RNZ

(wb, Aug 8)

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### **Looking for the ENGLISH SCHEDULES?**

I have no extra and reliable editor for those immense work, no co-worker or even co-operator ... except wb. Editing those schedules is far more than copy and paste ... updating, verifying, editing for a readable and useful issue, etc. ... and afterwards nil response! ... I now prefer to use my precious spare time for gardening, nature, travelling with bike and railway ...

**SORRY - NO ENGLISH SCHEDULES IN THIS SUMMER EDITION OF OUR DX MAGAZINE!**

(we)

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**Editor's info desk was closed for this edition at 19:00 hours UTC on August 27th, 2022.**

**Please also see the "List of Broadcasts in German" (Hörfahrplan Deutsch) updated regularly on the WWDXC website.**

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### **Sources & Contributors:**

**A-DX** - e-mail exchange - Austria

**BCDX** - News Bulletin by Wolfgang Bueschel (**wb**) - Stuttgart - Germany

**WOR (gh)** - Glenn Hauser's WORLD OF RADIO - Oklahoma - USA

**Prof. Dr. Hansjörg Biener (hjb)** - Nuremberg - Germany

Others as stated at contribution.

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### **Abbreviations:**

with name of station:

BC / bc = Broadcaster, Int. = International, R = Radio, tx = Transmitter, Vo = Voice of, QRG = frequency

Location of transmitters with frequency:

Al = Aligarh/India, ALB = Albania, Ban = Bangalore, Be = Beijing/China, Bib = Biblis/DL, BOT = Botswana, CHN = China, CLN-TRM = Sri Lanka Trincomalee, Du = Dushanbe/TJK, ERV (ARM) = Erivan/Armenia, F = Issoudun/France, Fl = Florida/USA, HAB = Habana/Cuba, Ho = Hohhot/CHN, HRI = WHRI Cypress Creek/USA, Jin = Jinhua, Kash = Kashgar/CHN, Ka = Kingsway (Delhi), Kh = Khampur (Delhi), Kil - Kall/DL, KOR = (South) Korea, Ku = Kununurra/Aus, Kun = Kunming/CHN, KWT = Kuwait, Lam = Lampertheim/DL, MDA = Moldavia, MDG = Madagascar, MNG = Mongolia, MRA = Northern Marianas, N = Nauen/DL, Nn = Nanning/CHN, OM = Oman, Pan = Panaji/India, Row = Rohrbach Waal/DL, RUS = Russia incl. Sibiria, SAI = Saipan (MRA), SNG = Singapur, STP = Sao Tomé, SWZ = Swaziland (ESWATINI), SZG = Shijazhuang/CHN, TH = (NAK) Nakhon Sawan/Thailand, TIN = Tinian (MRA), TJK = Tajikistan, TWN = Taiwan, UAE = Al Dubbaya/ United Arab Emirates, Ur = Urumchi/CHN, Wil = Winsen/Luhe/DL, Wof = Woofferton/GB, Xi = Xian/CHN, Ya = Yamata/Japan.

Mostly within round brackets target areas as known:

Af = Africa, Am = America, As = Asien, Aus = Australien; Eu = Europe, FE = Far East, ME = Middle East, OC / Pac = Pacific Region; C = Central, E = East, N = North, S = South, W = West

Languages:

Ar Arabic - Ch Chinese - Du Dutch - E, En English - F French - G, Ge German - Gr Greek - I Italian - J Japanese - K Korean - P Portuguese - R Russian - Sp, Spa Spanish - Turk Turkish - VN Vernacular

Technical hint with frequency (QRG):

(\* /drm) = Digital Radio broadcast (DRM) v = variable irr / # = irregular / technical problems /USB = upper sideband, /LSB = lower sideband, alt.: (QRG) = alternative frequency

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### **Editor:**

Walter Eibl (we)

EMail: <we@wwdx.de> or <we@kwrs.de>

Used equipment:

Receiver: ICOM IC-R70 communications receiver (no modification)

Antennas: Hamtronic HT504 selective active antenna, in roof window ca. 15 m above ground

Situation: Herzogenaurach / Germany; 49.567/10.917; 310 m NN

mostly monitoring via WORLD WIDE WEB.

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# DX LOGBOOK

## Logs around the clock

by Ashok Kumar Bose, 106 Aspermont Crescent, Brampton, Ontario, L6P 3Z3, Canada  
E-Mail: <logbook@wwdxc.de>

### SHORTWAVE BANDS

Frequency	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3955.0	0345	454	D	TOM via Ch292	English	E, ID, rel bc, ID, adr	0207	SG
3955.0	1900	454	D	Radio PowerRumpel	German	D, ID, full metal jacket	1007	SG
3955.0	1930	454	D	TOM via Ch292	English	E, ID, phone, rel bc	1006	SG
3955.0	2000	454	G	KBS-WR via Woofferton	German	D, ID, NX, Hörerecke	0508	SG
3955.0	2000	454	G	KBS-WR via Woofferton	German	D, ID, NX, Hörerecke	0107	SG
3975.0	2100	444	D	Shortwave Radio	English	E, ID, Rockpop, adr	0508	SG
4840.0	0200	454	USA	WWCR	English	E, ID, ann, relPX	1506	SG
5025.0	0230	454	CUB	Radio Rebelde	Spanish	S, ID, ann, MX, rpt	1506	SG
5040.0	0215	454	CUB	RHC	Spanish	S, ID, rpts, ID, MX	1506	SG
5800.0	0400	444	USA	RPI via WRMI	English	E, ID, NX, WX, rpts	0207	SG
5800.0	1930	454	HOL	Mike Radio	English	E, dt. Schlager, ID, HP	0107	SG
5900.0	1700	342	BUL	RTI via Kostinbrod	Russian	R, ID, NX, rpt	0707	SG
5900.0	1900	454	BUL	RTI via Kostinbrod	German	ID,NX, HBF	1208	SG
5905.0	1200	343	D	DWD Pinneberg	German	ID,Seewetter	0708	SG
5910.0	1930	554	ROU	RRI	Serbian	Serbian, IS, ID, NX, rpt	0106	SG
5920.0	0430	342	D	HCJB Weenermoor	German	D, ID, Medienmagazin	0207	SG
5920.0	0930	343	D	HCJB Weenermoor	German	D, ID, Medienmagazin	1007	SG
5925.0	0400	454	BOT	VOA-Relay	English	E, ID, NX, rpts // 6080	0307	SG
5930.0	0700	353	DNK	WMR-Branning	English	E, RockPop, Jingle-ID	0607	SG
5935.0	0420	454	USA	WWCR	English	Love of god bc, ID, adr	0208	SG
5940.0	1600	454	AUT	OE1 via ORS-Moosbrunn	German	D, IS, ID, Abendjournal	0707	SG
5945.0	1830	454	TUR	TRT	English	IS, ID, NX, press, MX	0206	SG
6000.0	0245	454	CUB	RHC	English	E, ID, adr, sports	1506	SG
6005.0	0830	444	D	Ukraine Radio via Kall	Ukraine	Ukraine, rpts, ID, rpts	0406	SG
6005.0	0900	454	D	RSI via Kall	English	E, ID, NX, rpts, MX	1106	SG
6005.0	1000	343	D	RSI via Kall	German	D, ID, NX, Magazin	1007	SG
6015.0	0400	554	ROU	R. Romania Actualidad	Romanian	ID, TS, TA, NX	0208	SG
6015.0	0500	554	ROU	RRI	French	F, IS, ID, NX, rpt	0308	SG
6030.0	0215	444	USA	Radio Marti	Spanish	S, rpt, MX, ID, ann	0406	SG
6070.0	0600	454	D	RWI R Wave Intl.	Various	Multiling, ID, RockPop	1007	SG
6070.0	0700	454	D	SuperClanRadio	English	E, ID, Rockpop	1007	SG
6070.0	0800	444	D	Jake FM via Ch292	German	D, ID, Rockpop, Jingles	0207	SG
6070.0	0800	454	D	RNI via Ch.292	German	ID Goldrausch Rock	1408	SG
6070.0	0900	454	AUT	R. DARC via Moosbrunn	German	ID, Afu; Technik; Pop	3107	SG
6070.0	1100	342	D	SMRD via Ch292	German	D, Jingle ID, Tondock	1408	SG
6070.0	1200	342	D	Korches Radio	German	D, ID, Schlager der 70er	1906	SG
6070.0	1200	444	D	TOM via Ch292	English	E, ID, ann, adr, prayer	0807	SG
6070.0	1300	444	D	TOM via Ch292	English	E, ID, ann, adr, prayer	0807	SG
6070.0	1400	443	D	OHR-OffshoreHistoryR.	English	E, ID, offshore history	0907	SG
6070.0	1500	454	D	SMRD via Ch292	German	D, ID, Sam Cooke	0907	SG
6070.0	1800	342	D	OHR-OffshoreHistoryR.	English	E, ID, offshore history	2606	SG



6070.0	1500	454	D	SMRD via Ch, 292	German	D, ID, Ringo Starr	3007	SG
6070.0	1800	454	D	Radio PowerRumpel	German	D, ID, full metal jacket	1007	SG
6070.0	1300	342	D	Steelguitar via Ch292	German	ID, NS mit C&W songs	1408	SG
6070.0	2000	454	D	Korches Radio	German	D, ID, Schlagermix	2606	SG
6080.0	0300	554	BOT	VOA-Relay	English	E, ID, NX, rpts // 5925	2206	SG
6085.0	1215	454	D	R. Mi Amigo Int. via Kall	Various	Multiling, ID, RockPop	0708	SG
6095.0	1500	454	D	SMRD via Nauen	German	Jingle ID, Tondock	1408	SG
6105.0	0245	454	F	NHK-World-Radio Japan	Japanese	J, MX, ID, rpt, MX	1907	SG
6120.0	0330	444	AUT	AWR-Relay	Persian	Persian, IS, ID, rel bc	1806	SG
6120.0	0400	454	AUT	AWR-Relay	Turkish	Turkish, IS, ID, rel bc	1806	SG
6140.0	0800	554	AUT	Welle 370 via ORS	German	D, IS, ID, Börse, Messe	0307	SG
6140.0	0630	454	HOL	Radio Onda	French	F, Rockpop, ID	1007	SG
6145.0	1900	554	G	KBS-WR via Woofferton	French	F, IS, ID, NX, rpts, MX	2406	SG
6150.0	0715	454	D	Europa 24	Various	Multiling, ID, RockPop	0607	SG
6150.0	1400	454	D	Europa 24	German	ID, NX, WX, ID, MX	0607	SG
6155.0	0430	554	D	AWR-Relay	French	F, IS, ID, rel bc	0208	SG
6155.0	0500	554	AUT	OE1 via ORS-Moosbrunn	German	IS, ID, Morgenjournal	0408	SG
6165.0	0259	433	TUR	TRT	English	E, IS, ID, NX, rpts	1506	SG
6165.0	0430	554	D	NHK-World-Radio Japan	English	E, ID, NX, ID, newslite	1806	SG
6165.0	0430	554	D	NHK-World-Radio Japan	English	E, ID, NX, ID, newslite	0207	SG
6180.0	1200	343	D	DWD Pinneberg	German	ID, Seewetter	0708	SG
6185.0	1930	454	HOL	Radio Piepsender	Various	Multi., ID, Blasmusik	1006	SG
7250.0	1940	433	TWN	RTI-Test via Tamsui	German	D, Reise durch TWN	2506	SG
7255.0	1910	454	CHN	CRI	Turkish	Turkish, ID, rpts	2506	SG
7260.0	0440	554	CVA	Vatican Radio	Ukraine	Ukraine, IS, ID, NX	0207	SG
7260.0	0100	554	TUR	TRT	Spanish	IS, ID, NX, Sport, Music	1108	SG
7275.0	0300	454	TUR	TRT	English	E, IS, ID, NX, rpts	0406	SG
7290.0	0200	454	AUT	AWR-Relay	Urdu	Urdu, IS, ID, relPX	1907	SG
7290.0	0230	454	AUT	AWR-Relay	Punjabi	Punjabi, IS, ID, relPX	1907	SG
7315.0	0330	454	CVA	Vatican Radio	Vernacular	IS, ID, rel bc	0207	SG
7335.0	0130	454	USA	Radio Marti	Spanish	ID, Ann., rpt, MX	0908	SG
7350.0	0000	554	CHN	CRI	English	E, ID, NX, rpt Taiwan	1008	SG
7355.0	0500	454	F	NHK-World-Radio Japan	English	E, IS, ID, NX, rpts, MX	1106	SG
7360.0	0245	454	CVA	BBC-WS-Relay	Persian	Persian, ID, rpt, ID	0406	SG
7375.0	0010	554	ROU	RRI	English	ID, Sports, Music, Report	0908	SG
7375.0	0100	554	ROU	RRI	French	ID, Sports, Music, Report	1008	SG
7420.0	0000	554	ROU	RRI	Romanian	ID, TS, TA, News	0908	SG
7505.0	0300	444	USA	WRNO	English	E, ID, relPX, adr	1106	SG
7730.0	0030	453	USA	RSI via WRMI	English	E, ID, NX, ID, rpts	0908	SG
9265.0	0300	353	USA	WINB	English	E, ID, adr, rel bc	1806	SG
9330.0	0300	454	USA	WBCQ WLC Radio	German	D, ID, ann, relPX	1406	SG
9330.0	0100	454	USA	WBCQ WLC Radio	Spanish	IS, ID, ann, relPX	0908	SG
9330.0	0400	454	USA	WBCQ WLC Radio	French	IS, ID, ann, relPX	0108	SG
9360.0	1813	343	KWT	RFA Kuwait relay	Chinese	Traditional music drums	2607	KS
9410.0	1119	453	OMA	BBC	English	1967 War	1807	RL
9425.0	1600	242	KRE	VoKorea	German	D, IS, ID, NA, MX, NX	0707	SG
9440.0	2135	454	EGY	Radio Cairo	English	E, arab pop, ID, rpt	1506	SG
9490.0	0445	454	F	NHK Radio Japan World	Japanese	Music, ID, Report, Music	0208	SG
9545.0	1900	454	TWN	RTI-Test via Tamsui	German	ID, KP, RdT; Kochstudio	3107	SG
9545.0	1900	454	TWN	RTI-Tamsui	French	ID, Ann. News, Report	0508	SG
9545.0	2300	454	TJK	RFA-Relay	Tibetan	Tibetan, IS, ID, NX, rpts	0607	SG
9600.0	1800	554	CHN	CRI	English	E, ID, NX, rpts	1306	SG
9640.0	2240	454	CHN	CRI	Spanish	S, ID, turismo, MX	0607	SG
9700.0	0600	454	ROU	RRI	German	IS, ID, NX, Wochensp.	1408	SG
9705.0	0440	454	CVA	Vatican Radio	Ukrainian	IS, ID, News	0208	SG
9730.0	2130	343	VTN	VOV	English	E, ID, NX, rpts, MX	1506	SG
9760.0	1500	453	ALS	KNLS	Chinese	Program	1707	RL
9770.0	0510	554	TUR	TRT	Turkish	Turkish, ID, rpts	0208	SG

9790.0	0630	454	F	RFI	French	F, ID, NX, ID, rpts	2706	SG
9800.0	2345	454	CHN	CRI	Spanish	Report historias, ID	0808	SG
9800.0	1500	453	ALS	KNLS	Russian	Program	1707	RL
9830.0	2330	454	TUR	TRT	German	Medizin, ID, Tourismus	0808	SG
9840.0	1730	454	TUT	TRT	German	IS, ID, News, HBF Ufuk	0408	SG
9850.0	0347	453	ROU	RRI	English	Listeners Letterbox	1907	RL
9865.0	2325	454	CHN	CRI	Chinese	Music, ID Report Taiwan	0808	SG
9925.0	0020	453	HOL	Mighty KBC Radio	English	Dave Mason Show	1707	RL
11620.0	0630	454	CVA	Vatican Radio	French	F, ID, NX, rpts ecole	2806	SG
11700.0	1215	454	ROU	RRI	Arabic	ID, Reports, Music	0708	SG
11715.0	1740	343	TWN	Soh Xi Wang, Miaoli	Chinese	Commercials & YL talk	2607	KS
11800.0	2315	454	ROU	RRI	Spanish	ID, Reports, Music	0808	SG
11800.0	1745	454	J	Radio Japan NHK	Japanese	Song by Neil Sedaka	2607	KS
11815.0	1420	553	J	Radio Japan NHK World	English	Japanese landmarks	1807	RL
11855.0	2200	554	CHN	CRI	Spanish	S, IS, ID, NX, rpts	0607	SG
11885.0	2000	454	VTN	VOV	German	D, ID, NX, rpt, HBF	2206	SG
11885.0	2030	454	VTN	VOV	French	F, ID, NX, rpt, MX	2206	SG
11885.0	1607	433	VTN	VOV	English	The Sunday Show	1707	RL
11940.0	2200	454	E	REE	English	IS, ID, News, Reports	0808	SG
11950.0	1300	554	ROU	R. Romania Actualidad	Romanian	Romanian, ID, rpt, sport	0707	SG
11965.0	1300	454	TUR	TRT	Russian	R, IS, ID, NX, rpt, MX	0607	SG
11975.0	1802	343	ROU	Radio Romania Intl.,	Romanian	News, Ukraine, Spain etc.	2607	KS
11995.0	0410	454	MDG	BBC-WS-Relay	Somali	Somali, rpt, ID, rpt	0406	SG
11995.0	1700	454	TWN	RTI-Tamsui	German	ID, KP; RdT: Hitparade	3107	SG
11995.0	1700	454	TWN	RTI- Tamsui	French	ID, Ann., News, Music	0508	RL
12015.0	1600	353	KRE	VoKorea	German	D, IS, ID, NA, MX, NX	0707	SG
12025.0	1807	454	SNG	BBC-WS- Kranji Relay	English	Peace keeping in Congo	2607	KS
12095.0	0400	454	OMA	BBC-WS-Relay	English	E, ID, NX, newsreel	0406	SG
13580.0	0700	353	STP	BBC-WS-Relay	English	E, ID, NX, heartlook	0606	SG
13635.0	1030	554	TUR	TRT	Turkish	Turkish, ID, NX, Sport	0408	SG
13650.0	0420	454	IRN	IRIB	Turkish	IS, ID, NA, NX, rpt	0406	SG
13685.0	1900	454	MLI	Bamako Relay CRI	Arabic	A, ID, rpts, MX, rpts	2206	SG
13710.0	1729	454	ARS	BSKSA, Riyadh	Arabic	Koran & Announcement	2607	KS
13730.0	1000	454	AUT	OE1 via Moosbrunn	German	IS, ID, Mittagsjournal	0508	SG
13750.0	1100	554	ROU	RRI	English	IS, ID, News, Report, MX	0508	SG
13750.0	1215	554	ROU	RRI	Arabic	IS, ID, Music, Report	0708	SG
13760.0	1800	554	CHN	CRI	English	E, ID, NX, rpts	1306	SG
13760.0	2100	444	KRE	VoKorea	English	IS, ID, NA, Lieder, NX	0906	SG
13790.0	1000	554	ROU	RRI	French	F, IS, ID, NX, MX, rpts	0408	SG
13800.0	1000	554	BUL	TOM via Kostinbrod	English	E, ID, prayer, gospel	0806	SG
15120.0	0400	444	CHN	CRI	English	E, ID, rpts Ukraine	0406	SG
15150.0	1000	454	ROU	RRI	French	F, IS, ID, NX, MX, rpts	0408	SG
15165.0	1726	454	G	VOA Woofferton relay	English	Talks Korean landmines	2607	KS
15245.0	2100	443	KRE	VoKorea	English	IS, ID, NA, Lieder, NX	0906	SG
15300.0	0720	453	F	RFI	French	F, ID, rpts, MX // 17850	0607	SG
15320.0	1100	454	ROU	RRI	English	IS, ID, NX; rpt, Music	0508	SG
15350.0	1130	444	TUR	TRT	Spanish	ID, NX; Fehlschaltung	0408	SG
15380.0	1230	554	TUR	TRT	Urdu	Music, ID, Report	0708	SG
15400.0	0500	554	ROU	RRI	French	IS, ID, News, Report	0308	SG
15435.0	1715	555	PHL	BBC Tinang relay	Korean	YL speaking slow speed	2607	KS
15450.0	1230	554	TUR	TRT	English	IS, ID, News, Report	0708	SG
15490.0	0700	453	ASC	BBC-WS-Relay	English	E, ID, NX, heartlook	0606	SG
15510.0	1824	343	G	IBRA Woofferton relay	Arabic	Radio Sama Reg. talks	2607	KS
15520.0	1719	555	E	REE Noblejas relay	Spanish	Song La Roza Enflorose	2607	KS
15530.0	0500	454	KWT	Radio Kuwait	English	TS/TA, ID, NA, ID, Islam	0108	SG
15560.0	0700	353	AUT	AWR-Relay	French	F, IS, ID, rel bc	0607	SG
15565.0	1722	555	CVA	Vatican Radio	French	Music Amarde Nuevo	2607	KS

15590.0	1315	454	CHN	CRI	English	E, ID, Beijing hour	0607	SG
15740.0	1200	454	G	BBC-WS-Relay	English	E, ID, NX, rpts, MX	0406	SG
15770.0	1100	343	USA	RAE via WRMI	German	NX, ID, MX, ID, HBF	0607	SG
15770.0	1129	343	USA	WRMI	English	E, ID, ann; adr; Pop	0607	SG
15770.0	2100	443	USA	RPI via WRMI	English	E, ID, NX, rpts	0806	SG
15825.0	1300	454	USA	WWCR	English	E, ID, adr, rel bc	0607	SG
17490.0	1110	454	CHN	CRI	English	E, ID, world today	0607	SG
17530.0	1700	555	USA	VOA Greenville relay	English	News , Russian Military	2607	KS
17570.0	1710	555	AUT	AWR Moosbrunn relay	Swahili	REligious talks by YL.	2607	KS
17615.0	0500	454	CHN	CRI	German	D, MX only // 17720	1106	SG
17620.0	1100	454	TUR	TRT	Chinese	C, IS, ID, NX, rpts	0707	SG
17670.0	1100	444	ROU	RRI	English	E, IS, ID, NX, sport	0607	SG
17720.0	0500	554	CHN	CRI	German	ID, MX only // 17615	1106	SG
17725.0	1657	454	D	AWR via Nauen relay	Amharic	Sign off with Freq. ID	2607	KS
17745.0	1650	454	MDG	BBC via Talata Volondry	Kinyarwan	Talks between OM & YL	2607	KS
17760.0	0530	554	ROU	RRI	English	E, IS, ID, NX, rpts	1106	SG
17800.0	1658	343	F	Deutsche Welle Issoudoun	Amharic	Song by YL.	2607	KS
17830.0	0700	554	CVA	BBC-WS-Relay	English	E, ID, NX, heartlook	0606	SG
17850.0	0720	343	F	RFI	French	F, ID, rpts, MX // 15300	0607	SG
17865.0	0730	454	CHN	CRI	French	F, ID, NX, rpts, MX	0607	SG
17880.0	1641	454	MLI	CRI via Bamako relay	Arabic	Song Heya by Mohd.	2607	KS
21465.0	1000	343	MRA	RFA-Relay	Tibetan	Tibetan, IS, ID, NX, rpts	0606	SG
21505.0	1000	443	MRA	RFA-Relay	Tibetan	Tibetan, IS, ID, NX, rpts	1206	SG
21530.0	0726	353	CHN	China National Radio	Chinese	MX, rpts, TS, ann, NX	0606	SG
21670.0	1015	454	ARS	Saudi Radio	Indonesian	Indonesian, ID, rpts, ID	1206	SG
21695.0	1030	443	PHL	VOA-Relay	Chinese	C, TS, ID, NX, rpts	1206	SG

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### Here are the loggings from Richard D'Angelo of Wyomissing, PA, USA:

- 7200.0 ALGERIA Radio Algerienne – Bechar, 0439-0501\* Aug 10, tuned in to hear a male vocal selection followed by OM in Arabic . 5+1 time pips heard at 0500 followed by news until carrier terminated at 0501. Fair signal. Heard again at 0502 until 0504\* on Aug 11 with news until carrier terminated.
- 7260.0 TURKEY Voice of Turkey – Emirler, 0120-0146 Jul 21, YL with talk features in Spanish followed by Turkish vocals. Fair.
- 7285.0 CLANDESTINE Dengê Welat – Sofia, \*0355-0417 Jul 26, open carrier with group vocals at 0359. An OM with opening announcements in Kurdish . After the news there were several discussions. Fair signal.
- 9275.0 USA WMLK – Bethel, 2026-2109 Jul 20, an OM (Jacob Meyer?) with long religious talk into nice station ID at top of the hour “You have been listening to radio station WMLK broadcasting from Bethel, Pennsylvania.” Into another religious talk. Fair to good reception.
- 9810.0 EGYPT Radio Cairo – Abis (presumed), 2124-2201\* Jul 20, woman announcer speaking in an unidentified language, Time pips noted at 2130 followed by music features. Another round of time pips at 2200 and a man seemed to follow with news but it was soon terminated. Poor.
- 9830.0 TURKEY Voice of Turkey – Emirler, 2202-2232 Jul 20, YL reading the news in English. Nice station ID at 2209 followed by an assortment of talk features. Good signal.
- 11905.0 SRI LANKA Sri Lanka Broadcasting Corporation – Trincomalee, \*0028-0055\* Aug 12, open carrier followed by drums and then group vocals to opening announcements by a woman announcer in the listed Bangla language. Program mainly of vocals with some talk by a man and woman. Poor to fair.
- 11965.0 MADAGASCAR African Pathwaus Radio – Mahajanga, 2022-2058\* Aug 9, health feature by two male announcers in English followed by The Bible for Children series, station IDs. Good signal.
- 13685.0 MALI China Radio International – Bamako, 1922-1927\* Aug 10, woman announcer speaking in Arabic followed by closing announcements by a man and another woman, Poor to fair.
- 13735.0 FRANCE Mini Transit Sailing (tentative), 1509-1540\* Aug 9, man announcer talking with some English words heard but not enough to follow the discussion. Instrumental music at 1530 followed by a woman announcer but almost impossible to tell what was being said at this point as the signal was really down . Overall quite poor. Heard again at 1544 on Aug 11 with weak signal just before closing transmission.
- 13760.0 MADAGASCAR World Christian Broadcasting – Mahajanga, 0348-0359\* Aug 4, group religious vocals followed by an OM with a creation segment in the English language. Closed with “New Life Station” ID at 0354 followed by a man providing broadcast schedule for the English language transmissions. Nice vocal selection until the carrier was terminated. Fair.

- 15100.0 ALGERIA Radio Algerienne – Bechar, 2147-2301\* Jul 25, non-stop vocal selections until 5+1 time pips at 2100 followed by a YL with news in Arabic followed with lively discussion with OM and YL team with some musical selections interviewing a singer who sung two songs. At 2300 there were 5+1 time pip, a man with presumed station ID followed by the woman announcer with the news but she was cut off abruptly mid-sentence. Fair signal.
- 15340.0 CLANDESTINE Sound of Hope (presumed) – Taipei, 2352-0104 Jul 25, OM and YL talking in Mandarin. Brief instrumental music ending the program segment followed by announcements. 5+1 time pips at top of the hour. Poor to fair but no jamming noted.
- 15510.0 ENGLAND FEBA Radio Sama – Woofferton, 1806-1837 Jul 23, mix of long talks in listed Fur language and short musical segments, Apparently station ID at 1829 followed by instrumental music and possible change in language. Fair.
- 15530.0 KUWAIT Radio Kuwait – Kabd, 0505-0548 Aug 4, pleased to be able to hear Radio Kuwait in English once again with a religious program until 0520, some music followed by the news in English at 0530. Fair signal although beginning to fade after 0540.
- 15590.0 THAILAND Voice of Thailand – Udon, 0004-0029\* Aug 4, the usual English language news program featuring a man and woman announcing team, station IDs, promotional announcements & ads. Poor to fair.

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**Thanks a lot to our club members for their contributions:**

- KS : Kanwar Sandhu, Abbotsford, BC, Canada. ICOM IC R75 with long wire 50 feet
- RAD : Richard D'Angelo, Wyomissing, PA, USA. Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4
- RL : Richard Lemke, St. Albert, Alberta, Canada. JRC NRD-535 HF with random long wires in trees.
- SG : Siegbert Gerhard, Frankfurt am Main, Germany. AOR AR 7030 + 5m-EMF (Electric Magnetic Field) Antenna & Degen DE 1103 + Telescopic

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Dear Friends,

Welcome to the August/September double edition.

Thanks to our regular member's for their contributions,

*Ashok Kumar Bose*

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	<p><b>QSL CORNER</b>          Editor: Dario Gabrielli, Viale della Resistenza 33b, 30031 Dolo (Ve), ITALY          eMail: &lt;qsl@wwdxc.de&gt;</p>	
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**ASCENSION ISLAND:** BBC-WS, London 11930 kHz, eQSL received for report send to: <<https://eqsl.tools.bbc.co.uk>> (HS)

BBC-WS, London 12095 kHz, eQSL received for report send to: <<https://eqsl.tools.bbc.co.uk>> (HS)

**AUSTRALIA:** Reach Beyond Australia, Kilsyth 11825 kHz. eQSL received in 3 days together with nice e-mail from Margaret Penford and programme schedule, report sent to E-Mail: <[radio@reachbeyond.org.au](mailto:radio@reachbeyond.org.au)> (HS)

**AUSTRIA:** Museumsradio 1476 - 1476 kHz via tx Bad ischl, German programme "Plattenkiste", QSL received in 4 days together with personal letter, report sent sent together with 20 EUR to: Museumsradio 1476, Reinhard Pirnbacher, Golfstrasse 1a, A-4820 Bad Ischl, Austria (HS)

**EGYPT:** ERU Radio Cairo 9810 kHz. French programme. eQSL received in 4 days for report sent to: <[freqmeg@yahoo.com](mailto:freqmeg@yahoo.com)> (HS)

**GUAM:** TWR Asia Monitoring 13660 kHz. Russian programme. eQSL received in 18 days with programme schedule, frequency plan and personal letter for report sent to: <Asiafeedback@twr.org> (HS)

**HUNGARY:** MTVA, Budapest FM 87,6 MHz. Kossuth Radio programme from transmitter Győr, e-QSL received in 13 days from Mr. Ivan Kovacs, report sent via E-Mail to: <kovacs.lvan@mtva.hu> (HS)

**MALAGASY/MADAGASCAR:** BBC-WS, London 12095 kHz. E-QSL received for report send via Web-Form to: <https://eqsl.tools.bbc.co.uk> (HS)

**SINGAPORE:** BBC-WS, London 12025 kHz. E-QSL received for report send via Web-Form to: <https://eqsl.tools.bbc.co.uk> (HS) (please see page 2 for a reproduction of this eQSL)

**SLOVAKIA:** SR Devin, Bratislava 1098 kHz. Slovak night programme of Radio Devin, QSL received by post in 10 days for report sent to: <jana.hrbekova@rtvs.sk> (German Department of RSI-External Service) (HS)

**TAIWAN:** Radio Taiwan International 11955 kHz via Tamsui (Taiwan). German programme. Special summer series of direct programmes. Full data colour QSL received in 46 days (20 days for air mail delivery) for report sent to <deutsch@rti.org.tw>. Postal address on the envelope: P. O. Box 123-199, Taipei 11199, Taiwan, R. O. C. (HB) (please see DXM 7, page 2 for a reproduction of this QSL)

Radio Taiwan International 7240/7250/9545/11945 kHz. German programme. EQSL received after 5 weeks for report sent to: <deutsch@rti.org.tw> (GK) (please see DXM 7, page 2 for a reproduction of this QSL)

**TURKEY:** TRT-Radyo Bir via TRT VoTurkey, Ankara 954 kHz, via tx Trabzon. Turkish programme, QSL received by post in 218 days after reminder for report sent to: TRT VoTurkey, Box 333,06-443 Yenisehir, Ankara (HS)

TRT Voice of Turkey, Ankara 6000 kHz, via tx Emirler. Turkish programme, QSL received by post in 218 days after reminder, for report sent to: TRT VoTurkey, Box 333,06-443 Yenisehir, Ankara (HS)

TRT VoTurkey, Ankara 9840 kHz, via tx Emirler, German programme, QSL received by post in 70 days for report sent to: TRT VoTurkey, Box 333,06-443 Yenisehir, Ankara (HS)

**UNITED KINGDOM:** CWR - Carillon Wellbeing Radio 1476 kHz via Coalville, program of Radio Seagull, E-QSL received from Ham-Operator and member of the station Mr. Jon Skethley G4DCE in 11 days for report sent to: <jsketchley@aol.com> (HS)

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### The reporters of this edition of QSL CORNER have been:

**GK** = Gerard Koopal, Almere, The Netherlands

**HB** = Hansjoerg Biener, Nuremberg, Germany

**HS** = Harald Suess, Strasshof, Austria)

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Fortunately, this month too we were able to publish this column even if with little cooperation. I remember that everyone can actively collaborate in this column by sending the QSLs they receive in jpg format together with the data necessary for publication. Since the publication will not be released next September, please remember that the next final date to contribute to this page will be 7 October 2022 at 23:00 UTC. The editorial team wishes everyone a good holiday with your families and of course good listening.

# SWL / Media Programs in English, German & Spanish

March 27 – October 30, 2022 – V5 As of August 23, 2022

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e-mail: <mail@wwdxc.de>

URL: <<http://www.wwdxc.de>>

DX & Media news, receiver reviews, radio features, letterbox programmes, tuning tips, propagation, satellites, computers, amateur radio and radio theory.

**2<sup>nd</sup>** Figures behind language symbols En, Ge or Sp, indicate weeks of the month. Times and days in UTC.

STL – Satellite transmission. drm = DRM – digital mode

## Monday

0000 WRMI, E, AWR Wavescan – 5950 NoCe&SoAM EUR  
 0000 WRMI, Sp, "Antena DX" – 7780 NoCe&SoAM EUR  
 0030 WRMI, E, World of Radio – 7780 WeNoAM EUR  
 0030 WRMI, E, R Slovakia "Listeners Tribune" –  
 5850 7730 NoAM SoLatinAM EUR  
 0040 RRI Bucharest, E, "Listeners Letterbox" – 7375 9550 NoAM  
 0040 RHC Habana, E, RHC Mailbag Show – 6000 6165 NoAM  
 0135 RHC Habana, Sp, "En Contacto" – 5040 6060irr 9535  
 9650 11670 11760 11850 13740 15230 NoAM/LatAM  
 0145 WRMI, E, "Viva Miami" – 5010 NoCe&SoAM  
 0200 WRMI, E, RAE "ARG DXers Special" – 5850 SoAM  
 0200 RRI Bucharest, Sp – 9440 9700 11780 11945 AM  
 0200 WRMI, Port, RAE Buenos Aires – 5800 SoAM  
 0230 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM EUR  
 0230 WBCQ, Sp, Frecuencia al Dia – 7490v NoCeSoAM  
 0245 RHC Habana, E, RHC Mailbag Show 6000 6165 NoAM  
 0245 WRMI, E, "Viva Miami" – 5800 NoCe&SoAM  
 0250 BBCWS E, "Over to You" – DAB UK 198LW  
 0300 WBCQ, E, "World of Radio" via "Area 51" – 6160v  
 0300 WRMI, Sp, "Antena DX" – 7780 NoCe&SoAM EUR  
 0300 WRMI, E, R Slovakia "Listeners Tribune" –  
 7730 NoAM SoLatinAM EUR  
 0330 WRMI, E, AWR Wavescan – 7780 NoCe&SoAM EUR  
 0345 RRI Bucharest, E, "Listeners Letterbox" –  
 7375 9850 11825 15330-drm NoAM SoAS  
 0430 WRMI, Sp, "Antena DX" – 9455 NoCe&SoAM EUR  
 0445 RHC Habana, E, RHC Mailbag Show – 6000 6165 NoAM  
 0612 RRI Bucharest, G, Mailbox – 7325-drm 9700 EUR  
 0645 RHC Habana, E, RHC Mailbag Show –  
 6060 6165irr 9700 NoAM  
 0800 WRMI, E, "SW Radiogram" – 5850 7780 No&CeAM  
 0800 WRMI, Jap, RAE Buenos Aires – 9455 NoSoAM EUR  
 0900 WRMI, Sp, La Rosa de Tokio – 9455 No&CeAM EUR  
 0900 Radio Slovakia Internat, "Letterbox" G, Kall relay – 6005  
 0930 WRMI, Sp, La Rosa de Tokio – 9455 No&CeAM  
 1000 Radio Slovakia Int., "Listeners Tribune" E. Kall relay – 6005  
 1100 WRMI, Sp, RAE Buenos Aires – 15770 EUR NoAM  
 1130 WRMI, Sp, RAE Buenos Aires – 15770 EUR NoAM  
 1140 RRI Bucharest, E, "Listeners Letterbox" –  
 13750 15130 15320 17670 EUR EaAF  
 1315 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM  
 1335 DeutschlandFunk Cologne, G, Medias-res

1430 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM  
 1500 DARC Radio, via ch292 Rohrbach Germany, G – 6070  
 1600 WRMI, G, RAE Buenos Aires DX – 7730 CeNoAM  
 1730 VoHope Zambia, "AWR Wavescan" E, CeAF SoAF –  
 4965voh 6065voh - depends of local main power  
 1740 RRI Bucharest, E, "Listeners Letterbox" –  
 9760-drm 11850 EUR  
 1900 DARC Radio, via ch292 Rohrbach Germany, G – 6070  
 2000 WRMI, Russian, "Radio Panorama" – 7730 NoCeSoAM  
 2100 WRMI, Sp, La Rosa de Tokio – 9955 NoCe&SoAM  
 2200 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM EUR  
 2210 REE Madrid, E, Letters Mailbag – irregular, 2 x monthly  
 11685 11940 15520 17855 NE, EaAF, AF, SoAM, NoAM  
 2240 RRI Bucharest, E, "Listeners Letterbox" –  
 5945 7310 7325 9790 EaAS EUR  
 2300 WRMI, E, "Viva Miami" – 9395 NoCe&SoAM EUR  
 2330 WRMI, Fr, RAE Buenos Aires – 7730 EUR NoAM

## Tuesday

0000 WRMI, E, AWR Wavescan – 9395 9455 WeNoAM EUR  
 0030 WRMI, E, AWR Wavescan – 7780 WeNoAM EUR  
 0030 WRMI, E, World of Radio – 9395 9455 WeNoAM EUR  
 0040 RRI Bucharest, E, "Listeners Letterbox" –  
 7375 9550 NoAM  
 0100 WRMI, E, RAE "ARG DXers Special" – 9395 SoAM  
 0130 WRMI, E, AWR Wavescan – 5850 7730 NoCe&SoAM  
 0130 WRMI, E, AWR Wavescan – 9395 NoCe&SoAM EUR  
 0130 WRMI, Sp, Frecuencia al Dia – 5010 9955 NoCe&SoAM  
 0200 KVOH Voice of Hope, En, 'AWR Wavescan' – 9975  
 0200 WRMI, Sp, RAE Buenos Aires – 5800 SoAM  
 0340 RRI Bucharest, E, "Listeners Letterbox" –  
 7375 9850 11825 15330-drm NoAM SoAS  
 0500 WRMI, Sp, RAE Buenos Aires – 7780 NoSoAM EUR  
 1030 WRMI, E, AWR Wavescan – 5850 NoCe&SoAM  
 1100 WRMI, Port, RAE Buenos Aires – 15770 EUR NoAM  
 1140 RRI Bucharest, E, "Listeners Letterbox" –  
 13750 15130 15320 17670 EUR EaAF  
 1330 WRMI, E, "Viva Miami" – 9955 NoCe&SoAM  
 1335 DeutschlandFunk Cologne, G, Medias-res  
 1430 WRMI, E, "Shortwave Radiogram" – 9955 NoCe&SoAM  
 1740 RRI Bucharest, E, "DX Mailbag" – 9760-drm 11850 EUR  
 1830 IRRS via Kostinbrod-BUL, E, "AWR Wavescan" – 7290  
 1830 IRRS, E, "AWR Wavescan" – 918 1323 AM Italia, Italy  
 1900 RRI Bucharest, Sp – 9610 11850 EUR WeAF  
 1932 BBCWS E, "Digital Planet" – DAB UK  
 1413oma NE / ME 11680wof EaEUR / UKR/RUS  
 2000 WRMI, Sp, La Rosa de Tokio – 15770 No&CeAM EUR  
 2030 IRRS, E, "AWR Wavescan" – 918 1323 AM Italia, Italy  
 2045 WRMI, E, "Viva Miami" – 7730 NoCe&SoAM EUR  
 2100 RRI Bucharest, Sp – 9620-drm 11650 LatAM  
 2115 WRMI, E, "Viva Miami" – 7730 NoCe&SoAM EUR  
 2130 WRMI, E, AWR Wavescan – 7730 NoCe&SoAM EUR  
 2130 WBCQ, Sp, Frecuencia al Dia – 7490v NoCe&SoAM  
 2145 WRMI, E, "Viva Miami" – 9955 NoCe&SoAM EUR  
 2200 WRMI, Sp, "Antena DX" – 9955 NoCe&SoAM EUR  
 2230 WRMI, E, "World of Radio" – 9955 NoCe&SoAM EUR  
 2240 RRI Bucharest, E, "DX Mailbag" –  
 5945 7310 7325 9790 EaAS EUR



2300 WRMI, E, "Viva Miami" – 9395 NoCe&SoAM EUR  
 2330 WRMI, E, "World of Radio" – 9395 NoCe&SoAM  
 2330 WRMI, G, RAE Buenos Aires DX – 7730 EUR NoAM

### Wednesday

0040 RRI Bucharest, E, "DX Mailbag" – 7375 9550 AM  
 0100-0130 WBCQ, E, Amateur Radio Roundtable – 6160v  
 0100 WRMI, It, Studio DX – 9955 NoWeAM EUR  
 0100 WRMI, Sp, La Rosa de Tokio – 5010 Ce&SoAM  
 0100 WRMI, Fr, RAE Buenos Aires – 9395 SoAM  
 0100 WTWW, E, "QSO Radio Show" by Ted Randall – 5085  
 0130 WRMI, En, AWR Wavescan –  
 5850 7730 9395 NoCe&SoAM EUR  
 0130 WRMI, Sp, La Rosa de Tokio – 5010 Ce&SoAM  
 0200 WTWW, E, "QSO Radio Show" by Ted Randall – 5085  
 0200 WRMI, Port, RAE Buenos Aires – 5800 SoAM  
 0300 WBCQ, E, Amateur Radio Roundtable – 6160v NoAM  
 0340 R Taiwan Internat, E, 'Status Update' – 15320 AS  
 0340 RRI Bucharest, E, "DX Mailbag" –  
 7375 9850 11825 15330-drm NoAM SoAS  
 0500 WRMI, Port, RAE Buenos Aires – 7780 NoSoAM EUR  
 0615 WRMI, E, "Viva Miami" – 7730 NoCe&SoAM EUR  
 0800 WRMI, E, "Hobart Radio Int" – 5850 7780 NoCe&SoAM  
 0800 WRMI, Jap, RAE Buenos Aires – 9455 NoSoAM EUR  
 0830 WRMI, E, AWR Wavescan – 5850 7780 NoWeAM  
 0832 BBCWS E, "Digital Planet" – DAB UK  
 17720-drm mode via sng SoAS  
 0900 WRMI, Jap, RAE "ARG DXers Special" – 9455 NoSoAM  
 0930 WRMI, E, RAE "ARG DXers Special" – 9455 NoSoAM  
 1000 WRMI, E, AWR Wavescan – 5850 NoWeAM  
 1030 WRMI, E, "World of Radio" – 5850 NoWeAM  
 1100 Unique Radio Australia, E, "World of Radio" –  
 5035usb or 3210usb AUS NZL PAC  
 1100 WRMI, G, RAE Buenos Aires DX – 15770 EUR NoAM  
 1130 WRMI, G, RAE Buenos Aires DX – 15770 EUR NoAM  
 1232 BBCWS E, "Digital Planet" – DAB UK  
 1300 Radio Slovakia Internat, "Listeners Tribune" G, Kall – 6005  
 1300 WRMI, Sp, "Antena DX" – 9955 NoCe&SoAM  
 1330 WRMI, E, "Australian DX Report" – 9955 NoCe&SoAM  
 1335 DeutschlandFunk Cologne, G, Medias-res  
 1430 WRMI, E, "Hobart Radio Int" – 9955 NoCe&SoAM EUR  
 1530 BBC R4 "The Media Show" – 198LW MW FM DAB UK  
 1600 WRMI, G, RAE Buenos Aires DX – 7730 CeNoAM  
 1846 VoVTN Hanoi Son Tay, G, "Letterbox" 9730 11885 EUR  
 1930 WWCR Nashville, E, "Ask WWCR" –  
 15825 NoAM EUR NoWeAF  
 1930 RHC Habana, E, RHC Mailbag Show – 13680/15140 EUR  
 1932 BBCWS E, "Digital Planet" – 6155sao 6195dha 7265mdg  
 7265mdg 7445mdg 12025sng AF ME NE SoAS  
 2016 VoVTN Hanoi Son Tay, G, "Letterbox" 9730 11885 EUR  
 2030 BBC R4 "The Media Show" – 198LW FM DAB UK  
 2030 WRMI, E, AWR Wavescan – 15770 No&CeAM EUR AF  
 2100 WBCQ, E, World of Radio – 7490v NoWeAM  
 2210 REE Madrid, E, Letters Mailbag – irregular, 2 x monthly  
 11670 11940 15520 17855 NE, EaAF, AF, SoAM, NoAM  
 2230 WRMI, E, AWR Wavescan – 9955 NoCeSoAM EUR

2330 WRMI, E, RAE "ARG DXers Special" – 7730 SoAM  
 2330 RHC Habana, E, RHC Mailbag Show – 5040 NoAM  
 2330 RHC Habana, E, RHC Mailbag Show – 11880 AF  
 2330 WRMI, E, AWR Wavescan – 7730 NoCe&SoAM EUR  
 2330 WRMI, E, AWR Wavescan – 9395 NoCe&SoAM EUR

### Thursday

0000 WRMI, Sp, Frecuencia al Dia – 7780 NoCe&SoAM EUR  
 0030 WRMI, E, AWR Wavescan – 7780 NoCe&SoAM EUR  
 0030 WRMI, E, "World of Radio" – 9395 NoCe&SoAM  
 0030 RHC Habana, E, RHC Mailbag Show – 6000 6165 NoAM  
 0100 WRMI, It, RAE Buenos Aires – 9395 SoAM EUR  
 0130 WRMI, E, "World of Radio" – 5010 NoCeAM&SoAM  
 0200 WRMI, E, RAE Buenos Aires – 5800 SoAM  
 0230 WRMI, Fr, RAE Buenos Aires – 5800 SoAM  
 0230 RHC Habana, E, RHC Mailbag Show – 6000 6165 NoAM  
 0330 WRMI, Sp, Frecuencia al Dia – 7780 NoCe&SoAM EUR  
 0430 RHC Habana, E, RHC Mailbag Show – 6000 6165 NoAM  
 0500 WRMI, En, RAE Buenos Aires – 7780 NoSoAM EUR  
 0630 RHC Habana, E, RHC Mailbag Show –  
 6060 6165irr. 9700 NoAM  
 0800 WRMI, Jap, RAE Buenos Aires – 9455 NoSoAM EUR  
 0800 Radio Ukraine Internat, G, "Letterbox" Kall relay – 6005  
 0815 WRMI, E, "CQ Calling" – 5850 7780 NoCe&SoAM  
 0830 WRMI, E, "Hobart Radio Int" – 5850 7780 NoCe&SoAM  
 0900 WRMI, Sp, RAE Buenos Aires – 9455 NoSoAM  
 1100 WRMI, E, RAE "ARG DXers Special" – 15770 NoAM EUR  
 1130 WRMI, Fr, RAE Buenos Aires – 15770 EUR NoAM  
 1232 BBCWS E, "Digital Planet" – DAB UK  
 1300 WRMI, Sp, Frecuencia al Dia – 9955 NoCe&SoAM  
 1335 DeutschlandFunk Cologne, G, Medias-res  
 1430 WRMI, Sp, Frecuencia al Dia – 9955 NoCe&SoAM  
 1444 RRI Bucharest, G, Netz Welt – 9600 11880 EUR  
 1600 WRMI, G, RAE Buenos Aires DX – 7730 CeNoAM  
 1800 Radio Slovakia Internat, "Letterbox" G, Kall relay – 3985  
 1844 RRI Bucharest, G, Netz Welt – 7245-drm 9570 EUR  
 2000 WRMI, E, 'Viva Miami' – 15770 NoCe&SoAM EUR  
 2015 WRMI, E, 'CQ Calling' – 15770 NoCe&SoAM EUR  
 2100 WBCQ, E, Amateur Radio Roundtable – 7490v NoAM  
 2115 WRMI, E, 'Viva Miami' – 9955 NoCe&SoAM EUR  
 2130 WRMI, E, AWR Wavescan – 9955 NoCeSoAM EUR  
 2235 RHC Habana, Sp, "En Contacto" – 5040 9535 9650  
 11760 11850 13680 13740 LatAM  
 2330 WRMI, E, 'CQ CALLING' – 9395 NoCe&SoAM EUR  
 2330 WINB, E, "SW Radiogram - digital" AM mode – 9265 NoAM  
 2330 WRMI, It, RAE Buenos Aires – 7730 EUR NoAM

### Friday

0000 WRMI, Sp, La Rosa de Tokio – 9395 9455 Ce&SoAM  
 0015 WRMI, E, "CQ CALLING" – 9955 NoCe&SoAM EUR  
 0030 WRMI, E, "Viva Miami" – 7780 NoCe&SoAM EUR  
 0045 WRMI, E, "CQ CALLING" – 7780 NoCe&SoAM EUR  
 0100 WRMI, E, RAE "ARG DXers Special" – 9395 SoAM  
 0100 WRMI, Sp, Frecuencia al Dia – 9955 NoCe&SoAM EUR  
 0130 WRMI, E, World of Radio – 5850 7730 NoCe&SoAM EUR

0130 WRMI, E, AWR Wavescan – 9395 NoCe&SoAM EUR  
 0200 WRMI, It, RAE Buenos Aires – 5800 SoAM  
 0230 WRMI, Jap, RAE Buenos Aires – 5800 SoAM  
 0330 WRMI, E, World of Radio – 7780 NoCe&SoAM  
 0500 WRMI, Fr, RAE Buenos Aires – 7780 NoSoAM EUR  
 0800 WRMI, Jap, RAE Buenos Aires – 9455 NoSoAM EUR  
 0900 WRMI, Port, RAE Buenos Aires – 9455 NoSoAM  
 1000 WRMI, E, AWR Wavescan – 5850 NoCe&SoAM  
 1015 WRMI, E, "Viva Miami" – 5850 NoCe&SoAM  
 1030 WRMI, Sp, Frecuencia al Dia – 5850 NoCe&SoAM  
 1100 WRMI, It, RAE Buenos Aires – 15770 NoAM EUR  
 1130 WRMI, E, RAE "ARG DXers Special" – 15770 NoAM EUR  
 1230 WRMI, E, AWR Wavescan – 5010 15770 NoCe&SoAM  
 1300 WRMI, E, "SW Radiogram - digital" AM mode –  
 15770 NoAM EUR NoWeAF  
 1335 DeutschlandFunk Cologne, G, Medias-res  
 1430 WRMI, E, World of Radio – 9955 NoCe&SoAM EUR  
 1500 WRMI, E, AWR Wavescan – 7730 NoCe&SoAM EUR  
 1500 WINB, E, "SW Radiogram - digital" – 15750-drm mode NoAM  
 1530 BBC R4, E, "Feedback" – LW 198, MW, FM, DAB, online  
 1815 IRRS via Kostinbrod-BUL, E, "World of Radio" – – **x3<sup>rd</sup>**  
 7290 EUR NE NoAF  
 1815 IRRS, E, World o. Radio – **x3<sup>rd</sup>** 918 1323 AM Italia, Italy  
 1906 BBCWS, E, "Tech Tent" – DAB UK  
 1413oma NE / ME 11680wof EaEUR / UKR/RUS  
 1910 R TWN-Int via Sofia Bulgaria, G, Letterbox – 5900 EUR  
 2010 KBS World Radio Seoul, G, **x-last Fri** – 3955wof EUR  
 2030 IRRS, E, World of Radio – 918 1323 AM Italia, Italy  
 2100 WRMI, E, "Viva Miami" – 7730 NoCe&SoAM EUR  
 2100 WWCR Nashville, Sp, Frecuencia al Dia – 6115 NoAM  
 2115 WRMI, E, 'CQ CALLING' – 7730 NoCe&SoAM EUR  
 2200 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM EUR  
 2330 WRMI, Sp, RAE Buenos Aires – 7730 EUR NoAM

## Saturday

0000 WBCQ, E, Allan Weiner Worldwide, Radio Angela+ –  
 5130v 6160v 7490v  
 0030 WRMI, E, AWR Wavescan – 9395 9455 NoCe&SoAM  
 0100 WRMI, Sp, RAE Buenos Aires – 9395 SoAM EUR  
 0130 WRMI, E, AWR Wavescan – 5850 7730 NoCe&SoAM  
 0200 WRMI, Sp, RAE Buenos Aires – 5800 SoAM  
 0230 WINB, E, "SW Radiogram - digital" AM mode – 9265 NoAM  
 0400 WBCQ Radio Angela+, E, "World of Radio" – 5130v AM  
 0430 HCJB DX-Medien Weenermoor, G – 3995 EUR  
 0430 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** –  
 DX-Medien **x3<sup>rd</sup>** 3995 EUR  
 0500 WRMI, Sp, Frecuencia al Dia – 7780 NoCe&SoAM EUR  
 0530 WRMI, E, AWR Wavescan – 7780 NoCe&SoAM EUR  
 0700 Unique Radio Australia, E, "World of Radio" –  
 5035usb or 3210usb AUS NZL PAC  
 0730 Unique Radio Australia, E, International Report –  
 5035usb or 3210usb AUS NZL PAC  
 0800 WRMI, E, "Viva Miami" – 5850 7780 NoCe&SoAM  
 0800 WRMI, Jap, RAE Buenos Aires – 9455 NoSoAM EUR  
 0804 WDR5 Cologne, 'Toene/Texte/Bilder', G – FM, STL, DAB-S  
 0850 BBCWS E, "Over to You" – DAB UK  
 0900 IRRS via Saftica-ROU, E, Radiocity **3<sup>rd</sup>** – 9510

0900 Radio Delta HOL, E, 'Goes DX' – 6020 EUR  
 0900 WRMI, Jap, RAE Buenos Aires – 9455 NoSoAM EUR  
 0930 WRMI, E, RAE "ARG DXers Special" – 9455 NoSoAM  
 0930 HCJB Weenermoor, G – 3995 5920 EUR  
 0930 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** –  
 DX-Medien **x3<sup>rd</sup>** 3995 5920 EUR  
 1045 WRMI, E, "Viva Miami" – 9955 NoCe&SoAM  
 1105 DeutschlandRadio Kultur, Berlin, G, 'Breitband Media' –  
 FM, STL Astra, DAB-S  
 1140 RRI Bucharest, E, "DX Mailbag" –  
 13750 15130 15320 17670 EUR EaAF  
 1230 WRMI, It, Studio DX – 5850 NoCe&SoAM  
 1245 WRMI, E, "Viva Miami" – 9955 NoCe&SoAM EUR  
 1300 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM EUR  
 1300 SW Radio Winsen, E, 'CQ Serenade' – 3975 6160 EUR  
 1320 SR2 Saarebruck, G, 'Medien cross und quer' –  
 FM, STL Astra, DAB-S  
 1430 DLF Cologne, G, 'Computer und Kommunikation' –  
 FM, STL Astra, DAB-S  
 1500 SW Radio Winsen, E, 'CQ Serenade' – 3975 EUR  
 1505 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** –  
 DX-Medien **x3<sup>rd</sup>** 3995 EUR  
 1600 Radio Eins, Rundfunk Berlin-Brandenburg (rbb), G, irreg.  
 'Medienmagazin' – FM, DAB+, STL Astra digital  
 1700 HCJB Weenermoor, G – 3995 EUR  
 1740 RRI Bucharest, E, "DX Mailbag" – 9760-drm 11850 EUR  
 1900 WTWW, E, "QSO" with Ted Randall – 9475 NoCe&SoAM  
 1930 WRMI, E, World of Radio – 15770 EUR NoAM  
 2100 WRMI, E, "Viva Miami" – 7730 NoCe&SoAM EUR  
 2105 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** –  
 DX-Medien **x3<sup>rd</sup>** 3995 EUR  
 2106 Radio NZ Pacific, E, Mediawatch – 15720 {13840} PAC  
 2240 RRI Bucharest, E, "DX Mailbag" –  
 5945 7310 7325 9790 EaAS EUR  
 2300 WBCQ, E, "Radio Timtron Worldwide" – 6160v NoAM  
 2330 WRMI, E, "Hobart Radio Int" – 7730 NoCe&SoAM EUR  
 2334 Nexus IBA/IRRS/IPAR, E, World of Radio – webcast

## Sunday

0000 WRMI, E, AWR Wavescan – 7780 Ce&SoAM EUR  
 0000 E, "The Mighty KBC" – 5960nau NoAM EUR  
 0000 WTWW, E, "QSO" with Ted Randall – 5085 NoAM EUR  
 0030 WRMI, E, World of Radio – 7780 Ce&SoAM EUR  
 0030 E, "The Mighty KBC" / digital tests MFSK – 5960nau EUR  
 0040 RRI Bucharest, E, "DX Mailbag" – 7375 9550 NoAM  
 0100-0330 WBCQ, E, "Shortwave Saturday Night" – 7490v  
 0100 WRMI, E, "Texas SW Radio" – 5950 NoCe&SoAM EUR  
 0130 WRMI, E, AWR Wavescan – 9395 NoCe&SoAM EUR  
 0200 AWR via Dushanbe-TJK, E, 'AWR Wavescan' –  
 15515 EaAS / SoEaAS / SoAS / CeAS / ME  
 0200 KVOH Voice of Hope, En, 'AWR Wavescan' – 9975  
 0200 WRMI, Sp, La Rosa de Tokio – 5850 Ce&SoAM  
 0300 WWCR Nashville, E, "Ask WWCR" – 4840 NoAM EUR  
 0315 WWCR Nashville, E, "Australian DX Report" – 4840 NoAM  
 0330 WWCR Nashville, E, "AWR Wavescan" – 4840 NoAM EUR  
 0340 RRI Bucharest, E, "DX Mailbag" –  
 7375 9850 11825 15330-drm NoAM SoAS



- 0430 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** – DX-Medien **x3<sup>rd</sup>** 3995 EUR
- 0500 WRMI, Sp, La Rosa de Tokio – 7780 Ce&SoAM EUR
- 0510 NHK R Japan Tokyo, "Friends Around the World", E – 7355iss
- 0600 VoHope Zambia, "AWR Wavescan" E, CeAF SoAF – 9680voh 13680voh - depends of main power
- 0800 WRMI, E, AWR Wavescan – 5850 7780 NoCe&SoAM
- 0800 SARL Amateur Radio Mirror International, E – 7082-Isb
- 0900 DARC Radio, via ORS Moosbrunn relay, G – 6070
- 0900 R Slovakia, E, "Listeners Tribune" Kall relay – 6005 EUR
- 0900 SW Radio Winsen, E, 'CQ Serenade' – 3975 6160 EUR
- 0930 WRMI, E, AWR Wavescan – 9455 NoCe&SoAM
- 0930 HCJB Weenermoor, G – 3995 5920 EUR
- 0930 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** – DX-Medien **x3<sup>rd</sup>** 3995 5920 EUR
- 0945 WWCR Nashville, E, "Ask WWCR" – 4840 NoAM
- 1000 Radio Delta HOL, E, 'Goes DX' – 6020 EUR
- 1010 Radio NZ Pacific, E, Mediawatch – 7245 PAC
- 1026 KTWR Guam, E, 'DXers Diary' – 15200-drm mode AS
- 1045 WRMI, E, "Viva Miami" – 9955 NoCe&SoAM EUR
- 1100 IRRS via Saftica-ROU, E, "AWR Wavescan" – 9510 EUR
- 1115 WRMI, E, "CQ Calling" – 9955 NoCe&SoAM EUR
- 1140 RRI Bucharest, E, "Listeners Letterbox" – 13750 15130 15320 17670 EUR EaAF
- 1200 Korches Radio, RTI DX-Tipps via ch292 Rohrbach Waal Germany, G **2<sup>nd</sup>** **3<sup>rd</sup>** – 6070 EUR
- 1205 BR24 Munich, Medienmagazin, G – FM, STL Astra digital, DAB+, Livestream
- 1300 SW Radio Winsen, E, 'CQ Serenade' – 3975 6160 EUR
- 1324 ch292 Rohrbach GER, E, World of Radio – 9670 EUR irr.
- 1335 RHC Habana, Sp, "En Contacto" – 9535 9710 11760 13700 13740irr 15140 NoAM/LatAM
- 1350 BBCWS E, "Over to You" – DAB UK 1413oma NE ME 11685sng 11805oma CeAS SoAS
- 1400 AWR via Dushanbe-TJK, E, 'AWR Wavescan' – 15515 EaAS / SoEaAS / SoAS / CeAS / ME
- 1410 NHK R Japan Tokyo, "Friends Around the World", E – 11815yam
- 1414 RRI Bucharest, G, Letterbox – 9600 11880 EUR
- 1430 WRMI, E, AWR Wavescan – 9955 NoCe&SoAM EUR
- 1430 R Slovakia, E, "Listeners Tribune" Kall relay – 6005 EUR
- 1435 BR24 Munich, 'Computermagazin', G – FM, STL Astra digital, DAB+, Livestream [irreg.]
- 1500 ch292, E, HRI DX Extra SW and Radio Nx **3<sup>rd</sup>** – 6070
- 1500 SW Radio Winsen, E, 'CQ Serenade' – 3975 EUR
- 1505 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** – DX-Medien **x3<sup>rd</sup>** 3995 EUR
- 1530 AWR via MBR Nauen-Germany, E, 'AWR Wavescan' – 15670 SoEaAS / SoAS / CeAS / ME / EUR
- 1530 R Slovakia, E, "Listeners Tribune" Kall relay – 6005 EUR
- 1550 IRIB / VOIRI Iran, E, "Listeners Special" – 11645 11865 SoAS / SoEaAS / AUS / NZL
- 1600 AWR Wavescan Guam, E, SoEaAS / SoAS – 12080gum
- 1600 HCJB Weenermoor, G – 3995 EUR
- 1630 R Slovakia, E, "Listeners Tribune" Kall relay – 6005 EUR
- 1740 RRI Bucharest, E, "Listeners Letterbox" – 9760-drm 11850 EUR
- 1743 InfoRadio, Rundfunk Berlin-Brandenburg (rbb), G, irreg. 'Medienmagazin' – FM, DAB+, STL Astra digital
- 1800 VoHope Zambia, "AWR Wavescan" E, CeAF SoAF – 4965voh 6065voh - depends of local main power
- 1814 RRI Bucharest, G, Letterbox – 7245-drm 9570 EUR
- 1835 BR24 Munich, 'Computermagazin', G – FM, STL Astra digital, DAB+, Livestream [irreg.]
- 1902 BBC R4, E, "Feedback" – LW 198, MW, FM, DAB, online
- 1930 WRMI, E, AWR Wavescan – 15770 No&CeAM EUR AF
- 1945 RHC Habana, E, RHC Mailbag Show – 13680/15140 NoAM
- 1950 IRIB / VOIRI Iran, E, "Listeners Special" – 9835 9855 EUR / AF
- 2000 IRRS, E, World of Radio – 918 1323 AM Italia, Italy
- 2100 WRMI, Sp, La Rosa de Tokio – 5950 No&CeAM EUR
- 2100 WRMI, G, RAE Buenos Aires DX – 7730 EUR NoAM
- 2105 HCJB Weenermoor, G, AGDX-px by Olaf Mertens **3<sup>rd</sup>** – DX-Medien **x3<sup>rd</sup>** 3995 EUR
- 2150 BBC WS, E, "Over to YOU" – DAB, online
- 2200 KSDA AWR Guam, E, AWR Wavescan – 12040gum FE AS
- 2200 WRMI, E, AWR Wavescan – 5950 NoCe&SoAM EUR
- 2230 WRMI, E, World of Radio – 5950 NoCe&SoAM TOM?
- 2230 WRMI, E, "Hobart Radio Internat – 9955 NoCe&SoAM
- 2230 WBCQ, E, "Hobart Radio International" – 6160v
- 2235 RHC Habana, Sp, "En Contacto" – 5040 9535 9650 11760 11850 13680 13740 LatAM
- 2240 RRI Bucharest, E, "Listeners Letterbox" – 5945 7310 7325 9790 EaAS EUR
- 2300 WBCQ, E, "Radio Timtron Worldwide" – 6160v NoAM
- 2315 WRMI, E, "Viva Miami" – 9395 NoCe&SoAM EUR
- 2330 WRMI, E, "SW Radiogram - digital" – 7730 NoAM EUR
- 2330 WRMI, E, "AWR Wavescan" – 9395 NoCe&SoAM EUR
- 2345 RHC Habana, E, RHC Mailbag Show – 5040 NoAM EUR
- 2345 RHC Habana, E, RHC Mailbag Show – 11880 AF
- Web sites for DX & Media programmes:  
many of these have live or archived audio or programme scripts.
- Ask WWCR <<http://www.wwcr.com/ask-wwcr.html>>
- Australian DX Report <[adrx.podbean.com](http://adrx.podbean.com)>
- AWR Wavescan <[http://awr.org/program/engmi\\_wav-2](http://awr.org/program/engmi_wav-2)>
- BBC R4 Feedback:  
<<https://www.bbc.co.uk/programmes/b006slnx>>
- BBC World Service "Digital Planet"  
<<http://www.bbc.co.uk/programmes/p002w6r2>>
- BBC World Service "Over to You"  
<<http://www.bbc.co.uk/programmes/p002vsn8>>
- BBC World Service "Tech Tent"  
<<http://www.bbc.co.uk/programmes/p01plr2p>>
- CQ Serenade <<http://www.southgatearc.org>>
- FlirtFM (Ireland) "Wireless": <<http://wirelessflirt.radio.ie/2022/>>
- Hobart Radio Int "DX Extra": <<http://www.hriradio.org>>
- RAE Argentina "DX Supplement"  
<<http://www.radionacional.com.ar/welcome/>>
- R France International "The Sound Kitchen" - only podcasts:  
<<http://en.rfi.fr/features/sound-kitchen>>
- Radio Emma Toc: <<https://www.emmatoc.org>>
- Shortwave Radiogram <<http://swradiogram.net/>>
- World of Radio <<http://www.worldofradio.com>>
- WRMI <<http://www.wrmi.net/>>
- (thanks to BrDXC-UK British DX Club A-22 file item)

# Hörfahrplan Deutsch

Stand: 15. August 2022

Zeit Station, Frequenzen, Tag, Standort  
(UTC) Programm

..... 00:00 .....

0000-2400 „Funklust“ 15785\*\*/Erlangen,  
(ex biteXpress)

..... 01:00 .....

..... 02:00 .....

..... 03:00 .....

..... 04:00 .....

0400-0430 Andenstimme 6050/Ecuador; Sa #  
0400-0600 R HCJB 3995/Wee

0425-0430 Lutherische 3995/Wee  
Stunde

..... 05:00 .....

0500-0620 ORF 1 Wien 6155; Sa/So -0610  
0503-0530 MW Heukelbach 3995/Wee, 5920/Wee

..... 06:00 .....

0600-0628 R Rumänien Int. 7325\*, 9700  
0600-0630 DWD 5905/PIN, 6180/PIN  
0600-0800 R HCJB 3995/Wee, 5920/Wee  
0600-1800 R Marabu 6150/R Europa 24; multi  
Plan: -20:00  
0600-2400 „Channel 292“ 6070/ROW  
(Plan) inkl. Relais / + E/Holl

..... 07:00 .....

0700-1500 PopEXPRESS 3985/Eifel  
0800-1000 WLC 9330/U.S.A.  
0720-0730 R Bukarest 603, 909, 1197, 1314, 1593;  
So

..... 08:00 .....

0800-0900 Welle 370 6140/OE; 1. So  
0800-1000 R Pecs 873, 1188  
0800-1000 WLC 9330/U.S.A.

0800-1300 R HCJB 3995/Wee, 5920/Wee;  
7365/Wee > derzeit Russisch  
und Ukrainisch)  
0800-0900 R Ukraine 6005/Eifel  
(derzeit Ukrainisch)

..... 09:00 .....

0900-1000 R DARC 6070/OE, 9670/ROW; So  
0930-1000 R Prag 6005/Eifel

..... 10:00 .....

1000-1100 ORF 1 13730; Mo-Sa  
1000-1100 R Joystick 7330/OE; 1. So  
1000-1100 Welle 370 6070/ROW; 4. So  
1000-1100 R Temesvar 630  
1000-1100 R Mi Amigo 6085/Eifel; Fr  
1000-1027 R Slowakei Int. 6005/Eifel  
1030-1100 Ev. Missionsgem. 6055/N; Sa+So  
1030-1100 SRF Rendez-Vous 6005/Eifel

..... 11:00 .....

1100-1200 RAE 15770/FL; Mi  
1100-1200 R Bukarest 603, 909, 1197, 1314, 1593;  
Mo-Sa  
1130-1225 TRT Ankara 15350

..... 12:00 .....

1200-1230 DWD 5905/PIN, 6180/PIN  
1200-1300 Korches-Radio 6070/ROW; 2. + 3. So  
1200-1315 welle 370 810/Berlin; LP

..... 13:00 .....

1300-1327 R Slowakei Int. 6005/Eifel  
1300-1600 R HCJB 3995/Wee, 5920/Wee

..... 14:00 .....

1400-1455 R Rumänien Int. 9600, 11880

..... 15:00 .....

1500-1530 Polskie R 6005/Eifel  
1500-1530 R Tirana 3985/Eifel  
1500-1600 R DARC 6070/ROW, 9760/ROW; Mo  
1530-1600 MW Heukelbach 3995/Wee, 5920/Wee

..... 16:00 .....

1600-1615 ORF1 5940 Su; Fr -1620,  
Mo-Do -1625  
1600-1630 DWD 5905/PIN, 6180/PIN  
1600-1630 Polskie R 1386/LTU  
1600-1655 St. Koreas, Py. 9425, 12015

1600-1700 SRF Echo der Zeit **3985/Eifel**  
 1600-0300 R HCJB **3995/Wee (multi)**  
 1630-1700 R HCJB **3995/Wee, 5920/Wee**  
**(Mennonitenplatt)**

..... **17:00** .....

1700-1730 R Bulgarien **3985/Eifel**  
 1700-1800 WLC **9330/U.S.A. ##**  
 1730-1825 TRT Ankara **9840**

..... **18:00** .....

1800-1827 R Slowakei Int. **3985/Eifel**  
 1800-1855 St. Koreas Py. **9425, 12015**  
 1800-1900 R DARC **3955/ROW**  
 1800-1900 St. Indonesiens 3325, 4750 (Südostasien)  
 1800-1900 R Neumarkt **1197, 1323, 1593; Mo-Sa**  
 1800-1900 R Rumänien Int. **7245\*, 9570**  
 1830-1900 St Vietnams **9730, 11885**

..... **19:00** .....

1900-1930 R Taiwan Int. **5900/BUL**  
 1900-1955 St. Koreas, Py. **9425, 12015**  
 1900-2000 R Kairo **(9570) 9410 #(#)**  
 1930-1950 RT Tunis 963 (NAF)

..... **20:00** .....

2000-2030 DWD **5905/PIN, 6180/PIN**  
 2000-2030 St Vietnams 9730, 11885  
 2000-2100 KBS World **3955/Wof**  
 2000-2200 R Pecs **873, 1188**  
 2000-2100 ZP 30 (Arg) **3995/Wee (Di-Sa)**

..... **21:00** .....

2100-2200 RAE **7730/FL, Mi**  
 Buenos Aires

..... **22:00** .....

..... **23:00** .....

2330- RAE **7730/FL; Di**  
 2400 Buenos Aires

.....  
**Die Deutsche Welle strahlt seit 2011 keine Sendungen  
 mehr in Deutsch auf Kurzwelle aus.**

**Zeitangaben in UTC = Mitteleuropäische Sommerzeit  
 (MESZ) minus 2 Stunden /  
 Time is UTC = MEST minus 2 hours**

**Abkürzungen / abbreviations:**

bei Station:

Int. = International, R = Radio, St = Stimme, Vo = Voice of

**Senderstandorte bei Frequenz / transmitter sites:**

ARM = Armenien, BUL = Bulgarien, Eifel = Kall Krekel  
 (DL), LTU = Litauen, N = Nauen (DL), OE = Moosbrunn /  
 Österreich, PIN = Pinneberg (DL), ROW = Rohrbach Waal  
 (DL), Wee = Weenermoor (DL), Wof = Woofferton / GB.

**Technischer Hinweis bei Frequenz:**

/USB = oberes Seitenband, /LSB = unteres Seitenband,  
 /v = variabel, (multi) verschiedene. Sprachen und Anbieter  
 # = meist schwieriger Empfang  
 bzw. gelegentlicher Senderausfall,  
 ## = derzeit inaktiv  
 alt = alternativ  
 x Frequenzänderung möglich  
 \* = digitale Sendungen (DRM),  
 LP / \*\* mit geringer Sendeleistung  
 (DRM-Empfang nur mit geeigneten Empfängern möglich)

**Es sind nur Sendungen auf MW bzw. KW gelistet.**

Die Auflistung erhebt keinen Anspruch auf Vollständigkeit,  
 alle Angaben erfolgen nach bestem Wissen und ohne Gewähr.  
 Einige Sendungen sind auch außerhalb der eigentlichen Ziel-  
 gebiete hörbar. Kurzfristig sind Änderungen möglich, um z.B.  
 störenden Stationen auszuweichen.

Mittelwellensendungen sind stets für die Region gedacht.

Kleinsender in DL (max 500 W ERP) sind auf

[www.am-radio-stations.de](http://www.am-radio-stations.de) gelistet.

[www.plattenkiste.radio](http://www.plattenkiste.radio). (Österreich)

Es gibt noch eine Reihe lokaler Sender außerhalb Europas mit  
 teils geringer Leistung (z.B. in den USA, Kanada, Brasilien,  
 Australien) die stundenweise deutschsprachige Programme  
 ausstrahlen.

**Die Sendeperiode A22 dauert bis 29. Oktober 2022.**

**Aktuelle Hinweise auf Änderungen und Ergänzungen sind  
 stets willkommen an:**

**Redaktion: Walter Eibl, D-91074 Herzogenaurach**

**e-mail: >we@kwrs.de< oder >we@wwdxc.de<**

### Cuban Radio broadcasting celebrates 100th anniversary by Jorge Ruiz Miyares

One hundred years ago the first experimental radio broadcast took place in Cuba.

On August 22, 1922, the sound of radio astonished at 9:00 p.m. when the first Cuban station, 2LC, began broadcasting.

Its founder, Luis Casas Romero, composer, flutist, orchestra conductor, and cultural promoter, along with his children, premiered it on an experimental basis. The occasion is considered on the island, the advent of the radio broadcasts era.

In remarks to primetime Radio, Haciendo Radio, President Miguel Diaz-Canel Bermudez acknowledged the importance of the medium, which despite new technologies, the explosion of social media, and the Internet, remains a primary source of information, as the medium with the most extensive reach.

He said that in Cuba, people remain identified with their local radio stations, and he recalled programs that remain part and parcel of everyday life on the island.

In his remarks to Haciendo Radio, Diaz-Canel congratulated radio personnel, producers, and listeners and expressed his wishes that over the next century, radio broadcasting on the island continues to sound with the Cubanness that distinguishes it.



#### (Radio Habana Cuba)

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### Radio NUG - The Voice of National Unity Government of Myanmar



Radio NUG QSL via Sarath Weerakoon

The Voice of Myanmar Spring Revolution & National Unity Government of Myanmar was founded in August 24th 2021, under the guidance of National Unity Government's Ministry of Communications, Information & Technology.

It is broadcasting on shortwave daily in Burmese at 02.00-02.30 UTC on 17790 kHz and 14.00-14.30 UTC on 11940 kHz (250 kW from Paochung/Taiwan).

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.

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."

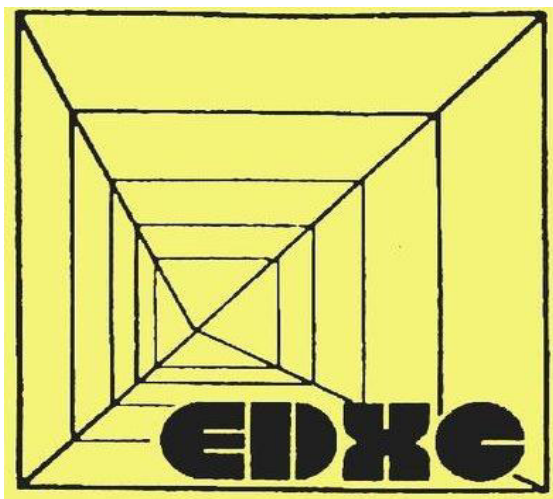
#### (Sources: NUG Radio & VoA)

# EDXC RADIO COUNTRIES 2022

## Explanations and key to columns and symbols

- ITU : the country code used by the ITU. Not available for all radio countries  
Zone : the CIRAF zone of the radio country.
- Country : the recommended English language name of the radio country
- Remarks : additional information
- Until (to) : is followed by the last date included in a time period
- Since (from) : is followed by the first date included in a time period
- † : means an extinct ("dead" or former) radio country or a reference to such a country
- \* : means a reference to a current radio country

Other abbreviations used are standard ones.



## 1 EUROPE

<b>ITU</b>	<b>Zon</b>	<b>Radio country</b>	<b>Remarks</b>
ALB	28	ALBANIA	
AND	27	ANDORRA	
AUT	28	AUSTRIA	
AZR	36	AZORES	
BLR	29	BELARUS	since 26 Dec 1991; before that part of the †USSR as the Belorussian SSR
BEL	27	BELGIUM	
BIH	28	BOSNIA AND HERZEGOVINA	since 6 Apr 1992; before that part of Yugoslavia (†Serbia and Montenegro)
BUL	28	BULGARIA	
-	28	BÜSINGEN	German enclave in the Swiss canton of Schaffhausen
-	28	CAMPIONE	Italian enclave in the Swiss canton of Ticino
HRV	28	CROATIA	since 15 Jan 1992; before that part of Yugoslavia (†Serbia and Montenegro)
TCH	28	†CZECHOSLOVAKIA	until 31 Dec 1992; then as *Czech Republic and *Slovakia
CZE	28	CZECH REPUBLIC (CZECHIA)	since 1 Jan 1993; before that part of †Czechoslovakia
DNK	18	DENMARK	incl. Bornholm island
EST	29	ESTONIA	since 6 Sep 1991; before that part of the †USSR
FRO	18	FAROE ISLANDS	
FIN	18	FINLAND	incl. Ahvenanmaa (Åland) islands
F	27	FRANCE	incl. Corsica (Corse) island; excl. the Fontbonne and Col de la Madonne (Mt. Agel) transmitter sites of Radio Monte Carlo, cf. *Monaco
D	28	GERMANY	since 3 Oct 1990; before that as †Germany, East, †Germany, West and †West Berlin

DDR	28	†GERMANY, EAST	until 2 Oct 1990; after that part of *Germany; officially: German Democratic Republic (GDR) or DDR; 8 May 1945 to 6 Oct 1949 Soviet Occupation Zone in Germany and Soviet Sector of Berlin
-	28	†GERMANY, WEST	until 2 Oct 1990; after that part of *Germany; officially: Federal Republic of Germany; since 1 Jan 1957 incl. †Saar; 8 May 1945 to 22 May 1949 American, British and French Occupation Zones in Germany
GIB	37	GIBRALTAR	= British Gibraltar
GRC	28	GREECE	incl. Crete, the Aegean Is. and the Dodecanese Is.
HNG	28	HUNGARY	
ISL	17	ICELAND	
IRL	27	IRELAND (ÉIRE)	
I	28	ITALY	incl. Sardinia (Sardegna), Sicily (Sicilia), Linosa, Pantelleria, Lampedusa, since 6 Oct 1954 incl. northern part of Trieste (Zone A); excl. the Santa Maria di Galeria transmitter site, cf. *Vatican City State
-	18	JAN MAYEN	
KAL	29	KALININGRAD	since 6 Sep 1991; before that part of the †USSR as the Kaliningradskaya oblast, now enclave of *Russia
RKS	28	KOSOVO	since 17 Feb 2008; before that part of *Serbia
LVA	29	LATVIA	since 6 Sep 1991; before that part of the †USSR
LIE	28	LIECHTENSTEIN	
LTU	29	LITHUANIA	since 6 Sep 1991; before that part of the †USSR
-	28	LLIVIA	Spanish enclave in the French Département of Pyrénées Orientales
LUX	27	LUXEMBOURG	
MDA	28	MOLDOVA	since 26 Dec 1991; before that part of the †USSR as the Moldavian SSR. Transnistria unilateral independence declared since July 1992
MCO	27	MONACO	incl. the Fontbonne and Col de la Madonne (Mt. Agel) transmitter sites on adjacent French territory, not incl. the Roumoules site in France
MNE	28	MONTENEGRO	since 4 June 2006; before that part of †Serbia and Montenegro

HOL	27	NETHERLANDS	Also know as Holland
MKD	28	NORTH MACEDONIA	since 8 Apr 1993; before that part of Yugoslavia (†Serbia and Montenegro) Until February 2019 called Macedonia (FYROM)
NOR	18	NORWAY	
POL	28	POLAND	
POR	37	PORTUGAL	
ROU	28	ROMANIA	
RUS	---	RUSSIA	since 26 Dec 1991; before that part of the †USSR; including Asian part
-	28	†SAAR	3 Jan 1948 to 31 Dec 1956 a separate radio country, then to †Germany, West; now part of *Germany
SMR	28	SAN MARINO	
SRB	28	SERBIA	since 4 June 2006; before that part of †Serbia and Montenegro; since 17 Feb 2008 excl. *Kosovo
YUG	28	†SERBIA AND MONTENEGRO	until 4 Feb 2003 known as Yugoslavia; since 6 Oct 1954 incl. southern part of †Trieste (now in *Slovenia); since 15 Jan 1992 excl. *Croatia, *Slovenia; since 6 Apr 1992 excl. *Bosnia and Herzegovina; since 8 Apr 1993 excl. *Macedonia; divided into *Serbia and *Montenegro from 4 June 2006
SVK	28	SLOVAKIA	since 1 Jan 1993; before that part of †Czechoslovakia
SVN	28	SLOVENIA	since 15 Jan 1992; before that part of † Yugoslavia
E	37	SPAIN	incl. the Balearic Is. and Isla Alborán; excl. *Ceuta and *Melilla
-	18	SVALBARD	also known as Spitsbergen; incl. Bjørnøya (Bear I.)
S	18	SWEDEN	incl. Gotland and Öland
SUI	28	SWITZERLAND	
-	28	†TRIESTE	10 Feb 1947 to 5 Oct 1954 a separate radio country; then northern part (Zone A) to *Italy and southern part (Zone B) to Yugoslavia (†Serbia and Montenegro) and then to *Slovenia
UKR	29	UKRAINE	since 26 Dec 1991; before that part of the †USSR. Crimea annexed by Russia since 26 March 2014.
G	27	UNITED KINGDOM	= England, Scotland, Wales, Northern Ireland; incl. the Channel Is., Isle of Man, the Orkney and the Shetland Is.



URS	---	†USSR	(Soviet Union); until 25 Dec 1991; since 6 Sep 1991 excl. *Estonia, *Latvia, *Lithuania, *Kaliningrad; from 26 Dec 1991 as *Belarus, *Moldova, *Russia, *Ukraine, all in Europe, and *Armenia, *Azerbaijan, *Georgia, *Kazakstan, *Kyrgyzstan, *Nakhichevan, *Tajikistan, *Turkmenistan, *Uzbekistan, all in Asia
CVA	28	VATICAN CITY STATE	incl. the Santa Maria di Galeria transmitter site (extraterritorial rights area in *Italy)
-	28	†WEST BERLIN	until 2 Oct 1990; after that part of *Germany; 8 May 1945 to 22 May 1949 American, British and French Sectors of Berlin

**Europe total: 53 + †8 radio countries**

Note: There are also many other, usually very small, enclaves in Europe. The editor invites information about confirmed broadcast activities from any such enclave.

## 2 AFRICA

<b>ITU</b>	<b>Zone</b>	<b>Radio country</b>	<b>Remarks</b>
ALG	37	ALGERIA	
AGL	52	ANGOLA	excl. *Cabinda
ASC	66	ASCENSION	
BEN	46	BENIN	since 4 Dec 1958; before that part of †French West Africa; until 30 Nov 1975 named Dahomey
-	46	†BIAFRA	30 May 1967 to 15 Jan 1970 a separate radio country; before and after this period part of *Nigeria
BOT	57	BOTSWANA	until 29 Sep 1966 Bechuanaland; since 30 Sep 1966 excl. the Imperial Reserve in Mafeking (cf. *South Africa)
-	46	†BRITISH CAMEROONS	until 30 Sep 1961; 1 Jun 1961 northern part to *Nigeria, 1 Oct 1961 southern part (incl. towns of Buea, Bamenda) to *Cameroon
-	48	†BRITISH SOMALILAND	until 30 Jun 1960; after that part of *Somalia
BFA	46	BURKINA FASO	since 11 Dec 1958; before that part of †French West Africa; until 02 Aug.1984 named Upper Volta
BDI	53	BURUNDI	since 1 Jul 1962; before that part of †Ruanda-Urundi
-	52	CABINDA	enclave of *Angola
CME	47	CAMEROON	from 1 Oct 1961 incl. the southern part of †British Cameroons
CNR	36	CANARY ISLANDS	
CPV	46	CAPE VERDE	
CAF	47	CENTRAL AFRICAN REPUBLIC	since 1 Dec 1958; before that part of †French Equatorial Africa
-	37	CEUTA	since 7 Apr 1956; before that part of †Spanish Morocco
TCD	47	CHAD (TCHAD)	since 28 Nov 1958; before that part of †French Equatorial Africa
COM	53	COMOROS	since 6 Jul 1975 excl. *Mayotte
COG	52	CONGO, REPUBLIC OF THE	since 28 Nov 1958; before that part of †French Equatorial Africa; until 15 Aug 1960 named French Congo

COD	52	CONGO, DEMOCRATIC REPUBLIC OF THE	until 29 Jun 1960 named Belgian Congo; from 30 Jun 1969 named first Congo-Léopoldville, then Congo-Kinshasa, from 28 Oct 1971 named Zaïre, in 1997 changed to the current name; 11 Jul 1960 to 31 Dec 1962 excl. †Katanga
DJI	48	DJIBOUTI	until 5 Jun 1967 named French Somali Coast (French Somaliland), then until 26 Jun 1977 Afars & Issas
EGY	38	EGYPT	22 Feb 1958 to 31 Aug 1971 named United Arab Rep.; incl. Asian part; since 23 Jul 1956 incl. the †Suez Canal Zone; cf. *Israel
GNE	47	EQUATORIAL GUINEA	= Mbini (Río Muni) & Bioko (Fernando Póo); excl. *Annobón; until 11 Oct 1968 named Spanish Guinea
ERI	48	ERITREA	until 10 Sep 52 and from 24 May 1993; during the intervening period to *Ethiopia
SWZ	57	ESWATINI	called Swaziland until 19 April 2018
ETH	48	ETHIOPIA	11 Sep 1952 to 23 May 1993 incl. *Eritrea
-	53	EUROPA	= Europa Island and Bassas da India (islands); French possessions in the Mozambique Channel
-	47	†FRENCH EQUATORIAL AFRICA	until 30 Nov 1958; since 28 Nov 1958 excl. *Chad, *Congo, *Gabon; remaining part as *Central African Rep. from 1 Dec 1958
-	37	†FRENCH MOROCCO	until 1 Mar 1956; then part of *Morocco
-	46	†FRENCH WEST AFRICA	until 17 Dec 1958; since 2 Oct 1958 excl. *Guinea; since 24 Nov 1958 excl. the Sudanese Rep. (now *Mali) and *Sénégal; since 3 Dec 1958 excl. *Ivory Coast and Dahomey (now *Benin); since 11 Dec 1958 excl. Upper Volta (now *Burkina Faso); remaining part as *Niger from 18 Dec 1958
GAB	52	GABON	since 28 Nov 1958; before that part of †French Equatorial Africa
GMB	46	GAMBIA	
GHA	46	GHANA	until 5 Mar 1957 named Gold Coast
GUI	46	GUINEA	since 2 Oct 1958; before that part of †French West Africa
GNB	46	GUINEA-BISSAU	until 9 Sep 1974 Portuguese Guinea
-	37	†IFNI	until 29 Jun 1969; after that part of *Morocco

-	48	†ITALIAN SOMALILAND	until 30 Jun 1960; after that part of *Somalia
CTI	46	IVORY COAST	since 3 Dec 1958; before that part of †French West Africa
-	53	JUAN DE NOVA	island, G.C: 17.02S/43.42E
-	52	†KATANGA	11 Jul 1960 to 31 Dec 1962 a separate radio country; before and after this period part of Congo-Léopoldville (now *Congo-Kinshasa)
KEN	48	KENYA	
LSO	57	LESOTHO	until 3 Oct 1966 named Basutoland
LBR	46	LIBERIA	
LBY	38	LIBYA	until 23 Dec 1951 = Cyrenaica & Tripolitania
MDG	53	MADAGASCAR	26 Jun 1960 to 20 Dec 1975 named Malagasy Republic
MDR	36	MADEIRA	
MWI	53	MALAWI	until 5 Jul 1964 named Nyasaland
MLI	46	MALI	since 24 Nov 1958; before that part of †French West Africa; until 20 Aug 1960 the Sudanese Rep., 16 Jan 1959 to 20 Aug 1960 within the Mali Federation
MTN	46	MAURITANIA	since 28 Nov 1958; before that part of †French West Africa
MAU	53	MAURITIUS	incl. Agalega Islands, Cargados Carajos Shoals (Saint Brandon) and Rodrigues
MYT	53	MAYOTTE	since 6 Jul 1975; before that part of *Comoros; overseas department of France; incl. Îles Glorieuses (Glorioso Islands), possession of France;
-	37	MELILLA	since 7 Apr 1956; before that part of †Spanish Morocco
MRC	37	MOROCCO	since 2 Mar 1956; since 7 Apr 1956 incl. †Spanish Morocco; since 29 Oct 1956 incl. †Tangier; since 1 Apr 1958 incl. Tarfaya region of †Spanish Sahara; since 30 Jun 1969 incl. †Ifní; since 26 Feb 1976 incl. rest of †Spanish Sahara (disputed)
MOZ	53	MOZAMBIQUE	
NMB	57	NAMIBIA	until 20 Mar 1990 named South West Africa; since 1 Mar 1994 incl. †Walvis Bay

NGR	46	NIGER	since 18 Dec 1958; before that part of †French West Africa
NIG	46	NIGERIA	30 May 1967 to 15 Jan 1970 excl. †Biafra; from 1 Juni 1961 incl. northern part of †British Cameroons
REU	53	REUNION	overseas department of France; incl. Tromelin Island, French possession
-	53	†RUANDA-URUNDI	until 30 Jun 1962; then as *Burundi and *Rwanda
RRW	53	RWANDA	since 1 Jul 1962; before that part of †Ruanda-Urundi
STP	47	SÃO TOMÉ & PRÍNCIPE	
SEN	46	SENEGAL	since 25 Nov 1958; before that part of †French West Africa; 16 Jan 1959 to 20 Aug 1960 part of the Mali Federation, cf. *Mali
SEY	53	SEYCHELLES	From 8 Nov 1965 to 28/29 June 1976 the Aldabra Islands, Farquhar and Desroches Islands were an outlying part of the British Indian Ocean Territory
SRL	46	SIERRA LEONE	
SOM	48	SOMALIA	since 1 Jul 1960; before that as †British Somaliland and †Italian Somaliland
-	48	SOMALILAND	part of Somalia (1960-1991) De facto independant since 18 May 1991
AFS	57	SOUTH AFRICA	since 30 Sep 1966 incl. the Imperial Reserve in Mafeking; incl. the former so called homelands; excl. †Walvis Bay
SSD	47,48	SOUTH SUDAN	since 9 Jul 2011; before that part of *Sudan
-	37	†SPANISH MOROCCO	until 6 Apr 1956; then part of *Morocco, exc. for *Ceuta and *Melilla
AOE	46	†SPANISH SAHARA	until 25 Feb 1976; then to *Morocco; since 1 Apr 1958 the Tarfaya region to *Morocco
SHN	66	ST. HELENA	
SDN	47, 48	SUDAN	since 9 Jul 2011 excl. *South Sudan
-	38	†SUEZ CANAL ZONE	until 22 Jul 1956; then part of *Egypt
TGK	53	†TANGANYIKA	until 25 Apr 1964; then part of *Tanzania
-	37	†TANGIER	until 28 Oct 1956; then part of *Morocco

TZA	53	TANZANIA	since 26 Apr 1964; before that as †Tanganyika and †Zanzibar; until 28 Oct 1964 named Tanganyika and Zanzibar
TGO	46	TOGO	
TRC	66	TRISTAN DA CUNHA	incl. Gough I.
TUN	37	TUNISIA	
UGA	48	UGANDA	
-	57	†WALVIS BAY	until 28 Feb 1994 as enclave of *South Africa; then part of *Namibia
ZMB	53	ZAMBIA	until 23 Oct 1964 named Northern Rhodesia
ZAN	53	†ZANZIBAR	until 25 Apr 1964; then part of *Tanzania; incl. Pemba
ZWE	53	ZIMBABWE	until 23 Oct 1964 named Southern Rhodesia, then until 18 Apr 1980 named Rhodesia

**Africa total: 67 + †17 radio countries**

### 3 ASIA

ITU	Zone	Radio country	Remarks
AFG	40	AFGHANISTAN	
-	49	ANDAMAN & NICOBAR ISLANDS	
ARM	29	ARMENIA	since 26 Dec 1991; before that part of the †USSR
AZE	29	AZERBAIJAN	since 26 Dec 1991; before that part of the †USSR; incl. Nagorno-Karabakh (declared independent as Artsakh on 12 May 1994).
BHR	39	BAHRAIN	
BGD	41	BANGLADESH	since 15 Aug 1947; before that part of †British India; until 26 Mar 1971 named East Pakistan
BTN	41	BHUTAN	
-	41	†BRITISH INDIA	until 14 Aug 1947; then as *India, East Pakistan (now *Bangladesh), †Hyderabad and West Pakistan (now *Pakistan)
BIO	41	BRITISH INDIAN OCEAN TERRITORY	until 7 Nov 1965 named Chagos Archipelago; incl. Diego Garcia; often named BIOT; overseas territory of the UK
BRU	54	BRUNEI	
CBG	49	CAMBODIA	since 8 Nov 1949; before that part of †French Indo-China; 17 Apr 1975 to 7 Jan 1980 named Khmer Republic, then until 1 May 1989 named Kampuchea
-	42-44	†CHINA	until 30 Sep 1949; then as *China, P.R. and *Taiwan
CHN	42-44	CHINA, PEOPLE'S REPUBLIC	since 1 Oct 1949; before that part of †China; incl. Paracel (Zhongsha) Is., Macclesfield Bank (Xisha I.) and Pratas (Dongsha) Is.; incl. Ladakh area in Kashmir; from 23 May 1951 including †Tibet; from 1 July 1997 including †Hong Kong; from 20 Dec 1999 including †Macau
CHR	54	CHRISTMAS ISLAND	in the Indian Ocean, G.C: 10.30S/105.40E; territory of Australia
ICO	87	COCOS (KEELING) ISLANDS	G.C: 12S/97E; territory of Australia
CYP	39	CYPRUS	since 15 Nov 1983 excl. *Cyprus, Northern (Turkish occupation zone); including the Sovereign Base Areas

-	39	CYPRUS, NORTHERN	since 15 Nov 1983; Turkish occupation zone, unilaterally declared republic, not internationally recognized, but de facto existing as a separate radio country
TMP	54	EAST TIMOR	since 20 May 2002; also until 16 Jul 1976 as Timor, Portuguese; during the intervening period part of *Indonesia as Timor Timur province (illegal occupation); also known as Timor Loro Sa'e or Timor Leste; excl. *Oecussi
-	49	†FRENCH INDO- CHINA	until 7 Nov 1949; since 8 Mar 1949 excl. *Vietnam, since 19 Jul 1949 excl. *Laos, and remaining part as *Cambodia from 8 Nov 1949
GEO	29	GEORGIA	since 26 Dec 1991; before that part of the †USSR.
-	41	†GOA	until 18 Dec 1961; then part of *India; administratively part of Portuguese India
HKG	44	†HONG KONG	until 30 June 1997; then part of *China, People's Republic; name in Standard Chinese: Xiang Gang
-	41	†HYDERABAD	15 Aug 1947 to 17 Sep 1948 a separate radio country, before this period part of †British India, after this period part of *India; a princely state
IND	41	INDIA	since 15 Aug 1947; before that part of †British India; incl. the part of Kashmir not under Pakistani control; incl. Lakshadweep (Laccadive Is.); since 19 Dec 1961 incl. †Goa; until 17 Sep 1948 excl. †Hyderabad
INS	51, 54	INDONESIA	until 16 Aug 1945 Dutch India; since 1 May 1963 incl. †Dutch New Guinea (West Irian, Irian Jaya); from 17 Jul 1976 to 19 May 2002 incl. *East Timor (former Timor, Portuguese)
IRN	40	IRAN	= Persia
IRQ	39	IRAQ	
ISR	39	ISRAEL	since 14 May 1948; before that part of †Palestine; incl. the autonomous Palestinian areas.
J	45	JAPAN	since 15 May 1972 incl. †Ryu Kyu Is.
JOR	39	JORDAN	until 31 Dec 1948 Transjordan; since 14 May 1948 incl. parts of †Palestine outside Israel; cf. *Israel
KAZ	30, 31	KAZAKSTAN	since 26 Dec 1991; before that part of the †USSR; incl. European part



-	44	†KOREA	until 14 Aug 1948; then as *Korea, North and *Korea, South
KRE	44	KOREA, NORTH	since 15 Aug 1948; before that part of †Korea
KOR	44	KOREA, SOUTH	since 15 Aug 1948; before that part of †Korea; incl. Cheju, Paengnyong and Taech'ong Is.
KWT	39	KUWAIT	
KGZ	31	KYRGYZSTAN	since 26 Dec 1991; before that part of the †USSR
LAO	49	LAOS	since 19 Jul 1949; before that part of †French Indo-China
LBN	39	LEBANON	
MAC	44	†MACAU	until 19 Dec 1999; since then part of *China; name in Chinese: Aomen or Oumen.
-	54	MALAYSIA, EASTERN	since 16 Sep 1963; before that as †Sabah and †Sarawak
MLA	54	MALAYSIA, WESTERN	before 16 Sep 1963 Malaya; 16 Sep 1963 to 8 Aug 1965 incl. *Singapore
MLD	41	MALDIVES	incl. Addu Atoll and Gan
MNG	32, 33	MONGOLIA	= Outer Mongolia
BRM	49	MYANMAR (BURMA)	
NPL	41	NEPAL	
-	54	OECUSSI	until 16 Jul 1976 and since 20 May 2002; enclave of *East Timor; during the intervening period part of *Indonesia as part of the Timor Timur province (illegal occupation); also known as Oekussi or Oecussi-Ambeno
OMA	39	OMAN	incl. Masirah I.; since 30 Nov 1967 incl. Kuria-Muria Island; until 15 Jan 1971 named Muscat & Oman
PAK	41	PAKISTAN	since 15 Aug 1947; before that part of †British India; incl. the part of Kashmir under Pakistani control; until 16 Dec 1971 named West Pakistan
-	39	†PALESTINE	until 13 May 1948; then as *Israel and Transjordan (now in *Jordan); the current autonomous Palestinian areas within *Israel as yet do not qualify for status as a separate radio country
PHL	50	PHILIPPINES	

QAT	39	QATAR	
-	39	RAS MUSANDAM	enclave of *Oman (tip of Musandam Peninsula). Also known as Musandam.
RYU	45	†RYUKYU ISLANDS	until 14 May 1972; then part of Japan; incl. Daito (Borodino) Islands
-	54	†SABAH	until 15 Sep 1963; then part of *Malaysia, Eastern; officially was named British North Borneo
-	54	†SARAWAK	until 15 Sep 1963; then part of *Malaysia, Eastern
ARS	39	SAUDI ARABIA	since 1 Dec 1982 incl. Iraq-Saudi Arabia International Zone
-	41	†SIKKIM	until 25 Apr 1975; then part of *India
SNG	54	SINGAPORE	1 Apr 1945 to 16 Sep 1963 and since 9 Aug 1965; before 1 Apr 1945 and 17 Sep 1963 to 8 Aug 1965 part of *Malaysia, Western (Malaya)
-	50	SPRATLY ISLANDS	also named (in Chinese) Nansha (incl. Taiping, Nanwei and Mahuan Is.) or (in Vietnamese) Quân Đảo Hoàng Sa; also claimed by Taiwan and the Philippines
CLN	41	SRI LANKA	until 21 May 1972 named Ceylon
SYR	39	SYRIA	excl. areas under Israeli control (cf. *Israel)
TWN	44	TAIWAN	since 1 Oct 1949; before that part of †China; officially named Republic of China (R.O.C.), in Chinese: Chunghua Minkuo; incl. Penghu (Pescadores), Matsu and Kinmen (Quemoy)
TJK	30	TAJIKISTAN	since 26 Dec 1991; before that part of the †USSR
THA	49	THAILAND	until 13 May 1949 named Siam
-	42, 43	†TIBET	until 22 May 1951; then part of *China, People's Republic as the Xizang Autonomous Region
TUR	39	TURKEY	incl. European part
TKM	30	TURKMENISTAN	since 26 Dec 1991; before that part of the †USSR
UAE	39	UNITED ARAB EMIRATES	= Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qiwain; until 1 Dec 1971 named Trucial Oman or Trucial States
UZB	30	UZBEKISTAN	since 26 Dec 1991; before that part of the †USSR
VTN	49	VIETNAM	since 8 Mar 1949; before that part of †French Indo-China;

-	49	†VIETNAM, NORTH	21 Jul 1954 to 2 Jul 1976 a separate radio country; before and after this period part of *Vietnam
-	49	†VIETNAM, SOUTH	21 Jul 1954 to 2 Jul 1976 a separate radio country, before and after this period part of *Vietnam
YEM	39	YEMEN	since 22 May 1990; before that as †Yemen, North and †Yemen, South
-	39	†YEMEN, NORTH	until 21 May 1990; then part of *Yemen; incl. Kamaran Island (disputed); officially named Yemen Arab Rep.
YMS	39	†YEMEN, SOUTH	until 21 May 1990; then part of *Yemen; incl. Perim Island; since 30 Nov 1967 incl. Socotra Is.; until 30 Nov 1967 known as Aden Protectorate and South Arabian Federation; until 1963 known as Aden and Aden Protectorate

**Asia total: 57 + †17 radio countries**

#### **4 OCEANIA (Pacific)**

<b>ITU Zone</b>	<b>Radio country</b>	<b>Remarks</b>
AUS ---	AUSTRALIA	incl. Tasmania, Lord Howe Island, Coral Sea Islands
- 65	†CANTON & ENDERBURY	until 1979; under joint US/British administration 1939-1979, then part of the *Phoenix Is. within Kiribati as the Kanton and Enderbury atolls
- 64, 65	†CAROLINE ISLANDS	until 31 Dec 1980; since 10 May 1979 excl. *Micronesia, Federated States of, and the remaining territory as *Palau from 1 Jan 1981
CPT 10	CLIPPERTON ISLAND	island off the SW coast of Mexico, G.C: 10.17N/109.13W; French administration
CKH 63	COOK ISLANDS	Rarotonga, etc.; incl. Palmerston
- 51	†DUTCH NEW GUINEA	until 30 Apr 1963; then part of *Indonesia as Irian Jaya; = West Papua; from 1 Oct 1962 named West Irian (Irian Barat) under UN administration
PAQ 63	EASTER ISLAND	incl. Sala y Gómez Island; also called Rapa Nui; administered by *Chile as the Isla de la Pascua province

FJI	56	FIJI	
OCE	63	FRENCH POLYNESIA	Tahiti
GIL	65	†GILBERT & ELLICE ISLANDS	until 31 Dec 1975; then as Gilbert Is. (now *Kiribati) and *Tuvalu
GUM	64	GUAM	US territory
HW A	61	HAWAII	US state; incl. Midway Islands (US territory)
HWL	61	HOWLAND & BAKER ISLANDS	G.C: 0.48N/176.38W and 0.13N/176.31W; US territories
JAR	62	JARVIS ISLAND	G.C: 0.22S/160.03W; US territory
JON	61	JOHNSTON ATOLL	G.C: 16.45N/169.31W; US territory as Johnston and Sand Islands
KIR	65	KIRIBATI	since 1 Jan 1976; before that part of the †Gilbert & Ellice Is.; until 11 Jul 79 named Gilbert Islands; incl. Banaba (Ocean Is.); *Line Is., Northern, *Line Is., Southern and the *Phoenix Is. are separate radio countries
-	61	LINE ISLANDS, NORTHERN	incl. Teraina (Washington), Tabuaeran (Fanning), and Kiritimati (Christmas) islands; since 11 Jul 1979 administered by Kiribati; excl. *Palmyra and Kingman Reef
-	62	LINE ISLANDS, SOUTHERN	= Malden, Starbuck, Caroline, Flint and Vostok islands; since 11 Jul 1979 administered by Kiribati; excl. *Jarvis
MRL	65	MARSHALL ISLANDS	incl. Enewetak, Bikini, Kwajalein; since 21 Oct 1986 republic, before that US-administered UN trusteeship
FSM	64, 65	MICRONESIA, FEDERATED STATES OF	since 10 May 1979; before that part of the †Caroline Is.; incl. Kosrae, Pohnpei (Ponape), Truk (Chuuk) and Yap; until 3 Nov 1986 US-administered UN Trusteeship
-	90	MINAMI TORI SHIMA	= Marcus Island; G.C: 24.16N/154E; to Japan, before 27 June 1968 under US administration
NRU	65	NAURU	
NCL	56	NEW CALEDONIA	incl. Chesterfield, Hunter, Loyauté, Sable, Walpole Is.
NZL	60	NEW ZEALAND	incl. Antipodes, Auckland, Bounty, Campbell, Chatham, Kermadec islands
NIU	62	NIUE	G.C: 19.02S/169.52W; self-governing island in free association with New Zealand

NFK	60	NORFOLK ISLAND	external territory of Australia
MRA	64	NORTHERN MARIANA ISLANDS	incl. Saipan and Tinian; US commonwealth territory
-	45	OGASAWARA	incl. Kazan Retto (Volcano Islands, incl. Iwo Jima) and Ogasawara Gunto (Bonin Islands); to Japan, before 27 June 1968 under US administration
-	64	OKINO TORI SHIMA	= Parece Vela; G.C: 20.25N/136.00E; to Japan, before 27 June 1968 under US administration
PLW	64	PALAU	since 1 Jan 1981; before that part of the †Caroline Islands, before 1 October 1994 under US-administered UN trusteeship
PLM	61	PALMYRA	= Palmyra Atoll and nearby Kingman Reef; G.C: 5.52N/162.05W; both US territories
PNG	51	PAPUA NEW GUINEA	incl. Admiralty Islands, Bismarck Archipelago and Louisiade Archipelago; before 1972 known as Papua & New Guinea
PHX	62	PHOENIX ISLANDS	= Gardner, Sydney (Manra) and neighbouring islands; from 11 Jul 1979 incl. †Canton (now Kanton or Abariringa) and Enderbury and transferred to Kiribati administration
PTC	63	PITCAIRN ISLANDS	incl. Ducie, Henderson and Oeno; overseas territory of the UK
SMA	62	SAMOA, AMERICAN	= Eastern Samoa; incl. Tutuila, Manu'a Islands, Swains Island
SMO	62	SAMOA	incl. Savai'i, Upolu, Manono, Apolima; before July 1997 known as Western Samoa
SLM	51	SOLOMON ISLANDS	incl. Santa Cruz Islands
TKL	62	TOKELAU	until 6 May 1946 named Union Islands; = Atafu, Fakaofu, Nukunono; territory of New Zealand
TON	62	TONGA	
TUV	65	TUVALU	<u>since 1 Jan 1976</u> ; before that the Ellice part of †Gilbert & Ellice Islands
VUT	56	VANUATU	incl. Banks Islands; until 29 Jul 1980 named New Hebrides
WAK	65	WAKE ISLAND	G.C: 19.17N/166.36E; US territory
WAL	62	WALLIS & FUTUNA	French overseas territory

**Oceania total: 39 + †4 radio countries**

## 5 NORTH AMERICA

<b>ITU</b>	<b>Zoe</b>	<b>Radio country</b>	<b>Remarks</b>
ALS	1	ALASKA	incl. Aleutian Islands
BER	11	BERMUDA	
CAN	---	CANADA	since 1 Apr 1949 incl. †Newfoundland and Labrador
GRL	5, 75	GREENLAND	
-	9	†NEWFOUNDLAND	<u>until 31 Mar 1949</u> ; after that a province of *Canada; incl. Labrador
SPM	9	ST. PIERRE & MIQUELON	
USA	6-8	USA	excl. *Alaska and *Hawaii

**North America total: 6 + †1 radio countries**

## 6 CENTRAL AMERICA

<b>ITU</b>	<b>Zon</b>	<b>Radio country</b>	<b>Remarks</b>
	<b>e</b>		
AIA	11	ANGUILLA	since 27 Feb 1967; before that part of the †Leeward Is.
ATG	11	ANTIGUA & BARBUDA	since 27 Jul 1967; before that part of the †Leeward Is.; incl. Redonda
ABW	11	ARUBA	since 1 Jan 1986; before that part of the Netherlands Antilles
-	11	AVES	also known as Isla Aves or Bird Island; G.C: 15.42N/63.38W; Venezuelan administration, also claimed by Dominica
BAH	11	BAHAMAS	
BRB	11	BARBADOS	
BLZ	10	BELIZE	until 31 May 1973 named British Honduras
BES	11	BONAIRE	until 9 Oct 2010 part of the Netherlands Antilles. Now part of the Caribbean Netherlands
CYM	11	CAYMAN ISLANDS	
CTR	11	COSTA RICA	incl. Isla del Coco
CUB	11	CUBA	incl. the Guantánamo Base
CUW	11	CURAÇAO	since 10 Oct 2010; before that part of the Netherlands Antilles
DMA	11	DOMINICA	
DOM	11	DOMINICAN REPUBLIC	
SLV	11	EL SALVADOR	
GRD	11	GRENADA	since 3 Mar 1967; before that part of the †Windward Is.; incl. Carriacou and Southern Grenadines
GDL	11	GUADELOUPE	incl. Désirade, Îles des Saintes and Marie-Galante
GTM	10	GUATEMALA	
HTI	11	HAÏTI	
HND	11	HONDURAS	since 2 Sep 1972 incl. †Swan Islands (now Islas Santanilla)
JMC	11	JAMAICA	incl. Pedro Cays

MRT	11	MARTINIQUE	
MEX	10	MEXICO	incl. Isla de Guadalupe and Islas de Revillagigedo.
MSR	11	MONTSERRAT	since 27 Feb 1967; before that part of the †Leeward Is.
-	11	NAVASSA ISLAND	G.C: 18.25N/75.01W; US administration
ATN	11	†NETHERLANDS ANTILLES	until 9 Oct 2010
NCG	11	NICARAGUA	incl. Islas del Maíz
PNR	11	PANAMA	
-	11	†PANAMA CANAL ZONE	until 30 Sep 1979; since then part of *Panama
PTR	11	PUERTO RICO	
BES	11	SABA	until 9 Oct 2010 part of the Netherlands Antilles. Now part of the Caribbean Netherlands
-	11	SAN ANDRES & PROVIDENCIA	incl. Bajo Nuevo, Cayos de Albuquerque, Serranilla Bank, and since 17 Sep 1981 Quita Sueño Bank, Roncador Cay, and Serrana Bank (previously contested); departamento of Colombia; the Serranilla Bank is often considered a Colombian possession, but this has not been confirmed by treaty;
BLM	11	ST. BARTHELEMY	French Overseas Collectivity since 1 January 2012
SCN	11	ST. KITTS-NEVIS	since 27 Feb 1967; before that part of the †Leeward Is.
LCA	11	ST. LUCIA	since 1 Mar 1967; before that part of the †Windward Is.
MAF	11	ST. MARTIN	French Overseas Collectivity since 15 July 2007. Northern part of Sint Maarten.
VCT	11	ST. VINCENT	since 1 Jun 1967; before that part of the †Windward Is.
BES	11	SINT EUSTATIUS	until 9 Oct 2010 part of the Netherlands Antilles. Now part of the Caribbean Netherlands
SXM	11	SINT MAARTEN	since 10 Oct 2010; before that part of the Netherlands Antilles. Southern part of Saint Martin.
-	11	†SWAN ISLANDS	until 1 Sep 1972; then part of *Honduras as Islas de El Cisne, later named Islas Santanilla
TRD	11	TRINIDAD & TOBAGO	
TCA	11	TURKS & CAICOS ISLANDS	



VIR	11	VIRGIN ISLANDS, AMERICAN	main islands: St. Croix, St. John and St. Thomas
VRG	11	VIRGIN ISLANDS, BRITISH	= Anegada, Tortola, Virgin Gorda and neighbouring islands
IOB	11	†WINDWARD ISLANDS	until 30 May 1967; since 1 Mar 1967 excl. *St. Lucia, since 3 Mar 1967 excl. *Grenada and remaining part as *St. Vincent from 1 Jun 1967

**Central America total: 41 + †4 radio countries**

## 7 SOUTH AMERICA

ITU	Zone	Radio country	Remarks
	<b>e</b>		
ARG	14, 16	ARGENTINA	
BOL	12, 14	BOLIVIA	
B	---	BRAZIL	incl. Fernando de Noronha and Rocas
CHL	14, 16	CHILE	excl. *Desventurados, *Juan Fernández and *Easter Island
CLM	12	COLOMBIA	incl. Isla Malpelo; excl. *San Andrés & Providencia
-	14	DESVENTURADOS	= Isla San Ambrosio and Isla San Félix (adm. by Chile)
EQA	12	ECUADOR	excl. *Galápagos
FLK	16	FALKLAND ISLANDS	also known as Islas Malvinas
GUF	12	FRENCH GUYANA	
GAL	12	GALAPAGOS	= Archipiélago de Colón; often considered as part of Oceania
GUY	12	GUYANA	until 25 May 1966 British Guyana
-	14	JUAN FERNANDEZ	(adm. by Chile)
PRG	14	PARAGUAY	
PRU	12	PERU	
-	13	SÃO PAULO	São Pedro e São Paulo = Brazilian islands at G.C: 0.56N/29.22W
SUR	12	SURINAME	formerly also named Dutch Guiana

-	15	TRINDADE	incl. Martim Vaz; Brazilian islands
URG	14	URUGUAY	
VEN	12	VENEZUELA	

**South America total: 19 + †0 radio countries**

## **8 ANTARCTICA**

<b>ITU</b>	<b>Zone</b>	<b>Radio country</b>	<b>Remarks</b>
ATA	---	ANTARCTIC MAINLAND	incl. South Shetlands; includes the Base Esperanza and McMurdo Base broadcast sites, and French overseas territory of Terre Adélie
-	71	BALLENY ISLANDS	
-	67	BOUVET ISLAND	= Bouvetøya; territory of Norway
CRO	68	CROZET ISLAND	district of the French Southern and Antarctic Lands, overseas territory of France
-	68	HEARD & MCDONALD ISLANDS	
KER	68	KERGUÉLEN ISLANDS	district of the French Southern and Antarctic Lands, overseas territory of France
-	---	MACQUARIE ISLANDS	
-	72	PETER I ISLAND	
-	57	PRINCE EDWARD ISLANDS	incl. Marion
-	71	SCOTT	
-	73	SOUTH GEORGIA	
-	73	SOUTH ORKNEYS	
-	73	SOUTH SANDWICH ISLANDS	
AMS	68	ST. PAUL & AMSTERDAM ISLANDS	district of the French Southern and Antarctic Lands, overseas territory of France

**Antarctica total: 14 + †0 radio countries**

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Freq.	Call sign	Station	Country	Modulation	Details
4206.5	FOHXM	Sailmail R, Menihi Atoll	PLY	DIG	FACTOR-4
4207.5	worldwide	DSC distress and safety f.		DIG	
4208.0		ship stations		DIG	OSX 4219.5 kHz (SXE)
4209.5	worldwide	NBDPT NAVTEX frequency		DIG	
4209.5	LGS	Svalbard R, Spitsbergen	NOR	DIG	SITOR
4209.5	L2C	ACG Buenos Aires	ARG	DIG	SITOR
4209.5	SUZ	Serapeum R	EGY	DIG	SITOR
4209.5	SVH	Iraklion R	GRC	DIG	SITOR

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