

Stations logged from Newfoundland by Jean Burnell in 2013

8 to 16 November, from Cappahayden NL (with John Fisher, Chuck Hutton and Jim Renfrew): receivers: Microtelecom Perseus and RFSpace SDR-IQ;
antennas: 500 m towards northern Europe and 500 m towards eastern South America

freq	country	station	location	UTC date	from	peak SINPO
177	Germany	Deutschlandradio Kultur	Oranienburg, Zehlendorf	2013.11.09	0057	25353
531	Algeria	Jil FM	F'Kirina, Ain El Beida	2013.11.09	0057	34343
531	Iran	IRIB (<i>note 1</i>)	Ararshahr	2013.11.08	2357	22431
531	Spain	RNE Radio 5	Pontevedra GA	2013.11.11	0625	34333
540	Brazil	ZYK697 Rádio Globo	Birigui SP	2013.11.15	0501	12XX1
539.992	Canada	CBGA1	Grande-Anse NB / New Carlisle QC	2013.11.11	0059	33333
540	Grenada	Grenada Broadcasting Network	St. George's	2013.11.15	0858	32332
549.000	Algeria	Jil FM	Sidi Hamadouche, Les Trembles	2013.11.11	0159	34444
549.000	Ireland	Spirit Radio	Carrickroe	2013.11.08	2143	33443
550	Colombia	Radio Nacional de Colombia	Marinilla & Neiva	2013.11.15	0457	23333
550	Puerto Rico	WPAB	Ponce	2013.11.15	0256	22332
550.002	Uruguay	CW1 Radio Colonia	Colonia	2013.11.11	0259	23423
560	Guyana	8RG NCN Voice of Guyana	Vreed en Hoop, Georgetown	2013.11.09	2258	23342
560	Venezuela	YVRH Radio Nacional de Venezuela	Ciudad Guayana	2013.11.10	0158	34332
567	Saudi Arabia	BSKSA Quran Pgm	Afif & Abha	2013.11.09	0059	25332
570.027	Argentina	Radio Argentina	Buenos Aires	2013.11.11	0402	23333
570.004	Brazil	ZYL261 Rádio Capital	Belo Horizonte MG	2013.11.11	0359	23332
570	Colombia	HJND Radio Colombia	El Rosal, Bogotá	2013.11.14	0356	23332
570	USA	WSYR	Syracuse NY	2013.11.11	1000	22432
570	Venezuela	Radio Villa	Villa de Cura	2013.11.13	0501	23333
576	Bulgaria	Radio Horizont	Vidin	2013.11.08	2259	33343
580	Brazil	ZYI776 Rádio RBC AM	Recife PE	2013.11.10	0157	33332
579.999	Brazil	ZYJ465 Rádio Nova Relógio	Rio de Janeiro RJ	2013.11.15	0059	23322
580	Canada	CFRA	Ottawa ON	2013.11.11	0929	34333
590	Argentina	LS4 Radio Continental	Buenos Aires	2013.11.14	0131	32342
590	USA	WEZE	Boston MA	2013.11.11	0100	213X1
600.000	Brazil	ZYH920 Rádio Mirante AM	São Luís MA	2013.11.15	0758	44444
599.998	Puerto Rico	WYEL	Mayagüez	2013.11.14	0259	24333
600	USA	WFST	Caribou ME	2013.11.16	0000	22432
610	Uruguay	CX4 Radio Rural	Santiago Vázquez, Montevideo	2013.11.14	0458	23332
610	USA	WVBE	Roanoke VA	2013.11.15	0700	22321
610.998	Morocco	RTV Marocaine	Sebaâ-Aioun	2013.11.08	2158	44444

612	Romania	Radio România Actualități	Botosani & Oradea	2013.11.09	0100	23332
620	Brazil	ZYK521 Rádio Jovem Pan	São Paulo SP	2013.11.10	0258	23333
620	Brazil	ZYJ779 Super Rádio Difusora	Rio do Sul SC	2013.11.11	0100	223X1
620	Brazil	ZYH590 Rádio Assunção Cearense	Fortaleza CE	2013.11.14	0258	23332
620.000	USA	WZON	Bangor ME	2013.11.11	0959	32433
621	Egypt	Voice of the Arabs (tent)	Batrah	2013.11.09	0057	32342
630	Argentina	LS5 Radio Rivadavia	Buenos Aires	2013.11.11	0128	33333
630	Brazil	ZYJ920 Rádio Aperipe	Aracajú SE	2013.11.10	2259	24321
640	Guadeloupe	Radio Première	Pointe-à-Pitre	2013.11.14	0229	32442
650	Paraguay	ZP4 Radio Uno	Asunción	2013.11.13	0500	22331
657	Italy	RAI Radio 1	Pisa	2013.11.08	2258	22332
665.766	Iran	IRIB Radio Fars	Shushtar	2013.11.08	2358	23322
670	Brazil	ZYJ921 Rádio Cultura de Sergipe	Aracajú SE	2013.11.10	2302	24332
670	USA	WWFE	Miami FL	2013.11.15	0559	33433
680	Brazil	ZYH885 Rádio Difusora do Maranhão	São Luís MA	2013.11.11	0600	23332
680	Canada	CFTR	Toronto ON	2013.11.09	0859	24343
684	Tunisia	RTV Tunisienne	Mednine	2013.11.09	2159	22441
690	Argentina	LRA4 Radio Nacional	Salta	2013.11.11	0900	22322
690	Argentina	LU19 La Voz de Comahue (note 2)	Cipolletti	2013.11.15	0359	23322
689.997	Brazil	ZYH780 Rádio Sociedade de Ceres	Ceres GO	2013.11.14	0259	24332
690	Brazil	ZYI532 Rádio Clube do Pará	Belém PA	2013.11.15	0756	34343
690.000	Canada	CKGM	Montréal QC	2013.11.11	1000	22432
689.997	Colombia	HJCZ W Radio	Bogotá	2013.11.11	0959	33433
690	Cuba	Radio Progreso	Santa Clara	2013.11.14	0900	24332
700.002	Argentina	LV3 Radio Córdoba	Córdoba	2013.11.13	0500	33333
699.997	Brazil	ZYK686 Rádio Estadão	São Paulo SP	2013.11.11	0602	23343
700	Brazil	ZYI890 Rádio Globo	Teresina PI	2013.11.14	0304	23332
700	Colombia	HJCX W Radio	Calí	2013.11.15	0601	23332
720	Argentina	LV10 LV Diez	Mendoza	2013.11.11	0857	23332
720	Brazil	ZYK276 Rádio Guaíba	Porto Alegre RS	2013.11.14	0457	34334
720	Paraguay	ZP17 Radio Pa'i Puku	25 Leguas, Teniente Irala Fernandez	2013.11.11	0828	24343
730	Argentina	LRA27 Radio Nacional	Catamarca	2013.11.11	0857	23321
730	Brazil	ZYJ208 Rádio Marumby	Curitiba PR	2013.11.11	0828	23332
730	Colombia	HJCU Melodía	Bogotá	2013.11.11	0900	23333
740	Canada	CFZM	Toronto ON	2013.11.09	0059	32422
750	Argentina	LRA7 Radio Nacional	Córdoba	2013.11.11	0857	22332
749.998	Brazil	ZYL213 Rádio América	Belo Horizonte MG	2013.11.11	0700	33333
750	Brazil	ZYH709 Rádio Jovem Pan	Brasília DF	2013.11.11	0729	32332
760	Argentina	LU6 Emisora Atlántica	Mar del Plata	2013.11.11	0302	32422

770	Brazil	ZYI557 Rádio Clube	Marabá PA	2013.11.09	2327	33333
770	Brazil	ZYJ922 Rádio Atalaia	Aracajú SE	2013.11.14	0356	33333
770.000	Uruguay	CX12 Radio Oriental	Montevideo	2013.11.11	0256	32432
774	Spain	RNE Radio Nacional	Valencia VA	2013.11.11	0625	22321
780	Argentina	LRF210 Radio Tres	Trelew	2013.11.11	0659	23322
780	Brazil	ZYH657 Rádio Difusora	Nova Russas CE	2013.11.15	0658	23332
780	Brazil	ZYK695 Rádio CBN	São Paulo SP	2013.11.15	0756	23332
779.997	Paraguay	ZP70 Radio Primero de Marzo	Asunción	2013.11.11	0159	34433
780	Venezuela	YVOD Ecos del Torbes	San Cristóbal	2013.11.11	0329	23323
790	Argentina	LRA22 Radio Nacional	San Salvador de Jujuy	2013.11.11	0857	123X1
790	Cuba	Radio Reloj	Pinar del Río & Holguín	2013.11.10	0900	32332
790	USA	WAXY	South Miami FL	2013.11.13	0459	33332
790	Venezuela	YVXM Radio Minuto	Barquisimeto	2013.11.10	0900	32332
800	Brazil	ZYJ457 Rádio MEC	Rio de Janeiro RJ	2013.11.11	0458	33343
810.000	Brazil	ZYH589 Rádio Verdes Mares	Fortaleza CE	2013.11.11	0701	34333
810	Cuba	Radio Progreso	Guantánamo	2013.11.13	0900	13331
810	Puerto Rico	WKVM Radio Paz	San Juan	2013.11.14	0857	23333
810	Uruguay	CX14 Radio El Espectador	Montevideo	2013.11.15	0657	33333
810	USA	WHB	Kansas City MO	2013.11.09	0857	23333
820	Argentina	LRA8 Radio Nacional	Formosa	2013.11.15	0256	24343
820	Brazil	ZYL273 Rádio Bom Sucesso (tent)	Minas Novas MG	2013.11.09	2353	23322
819.993	Brazil	ZYI212 Rádio Gazeta AM	Vitória ES	2013.11.10	2359	33323
819.978	Brazil	ZYH752 Rádio Bandeirantes	Goiânia GO	2013.11.11	0100	33333
820	Cuba	Radio Progreso	Moa	2013.11.11	0859	24322
820.000	USA	WBAP	Fort Worth TX	2013.11.11	0958	24432
830	Brazil	ZYH659 Rádio Pioneira	Forquilha CE	2013.11.15	0759	24332
830	Dominican Republic	Radio HIJB	Santo Domingo	2013.11.15	0358	23433
830.000	Venezuela	YVLT Radio Sensación	San Antonio de los Altos	2013.11.11	0857	33333
840.011	Argentina	LV9 Radio Salta	Salta	2013.11.11	0302	34423
840	Argentina	Radio General Belgrano	Ciudad Evita, Buenos Aires	2013.11.15	0803	25332
850	Brazil	ZYH474 Rádio Caraiba	Senhor do Bonfim BA	2013.11.09	2129	23332
850	Brazil	ZYL254 Rádio Mundo Melhor (tent)	Governador Valadares MG	2013.11.09	2201	13421
849.999	Uruguay	CX16 Radio Carve	Montevideo	2013.11.10	0158	33333
855	Saudi Arabia	BSKSA Quran Pgm	Ras al-Zawr	2013.11.09	0100	32332
859.985	Brazil	ZYH592 Rádio Cidade	Maracanaú CE	2013.11.11	0729	33443
860	Cuba	Radio Reloj	Jovellanos	2013.11.13	0857	13321
860	Curaçao	PJZ86 Radio Curom	Willemstad	2013.11.11	0930	23333
870	Brazil	ZYH499 Rádio Boa Nova / Cidade	Juazeiro BA	2013.11.10	0700	22332
870.014	Venezuela	YVRU Unión Deportiva	Puerto La Cruz	2013.11.10	2359	24323

873.000	Spain	SER Radio Galicia	Santiago de la Compostela GA	2013.11.08	2157	33423
873.007	Spain	SER Radio Zaragoza	Zaragoza AR	2013.11.08	2157	33433
880	Brazil	ZYK363 Rádio Sociedade Seberi (tent)	Seberi RS	2013.11.15	0758	23331
890	Argentina	Radio Libre	San Justo, Buenos Aires	2013.11.15	0801	24322
890	Brazil	ZYI772 Rádio Tamandaré	Recife PE	2013.11.10	0100	23332
890	Brazil	ZYL370 Rádio Clube de Inhapim	Inhapim MG	2013.11.10	0457	24333
890	Brazil	ZYJ499 Rádio Musical	Cantagalo RJ	2013.11.11	0625	14331
890	Brazil	ZYJ338 Rádio Itapuã	Pato Branco PR	2013.11.15	0759	23322
900	Brazil	ZYK742 Rádio Globo	Itapetininga SP	2013.11.09	2129	24333
900	Brazil	ZYJ591 Rádio Transmundial	Natal RN	2013.11.10	0459	34333
900	Brazil	ZYJ272 Rádio Sant'Ana	Ponta Grossa PR	2013.11.10	2301	22322
900	Brazil	ZYK664 Rádio Jovem Pan (tent)	São José do Rio Preto SP	2013.11.14	0029	22332
900	Brazil	ZYK211 Rádio Aratiba	Aratiba RS	2013.11.14	0259	23322
900	Brazil	ZYJ454 Rádio Tamoio	Rio de Janeiro RJ	2013.11.15	0700	33323
909	Romania	Radio România Actualități	Jucu	2013.11.08	2259	32332
910	Argentina	LRA23 Radio Nacional	San Juan	2013.11.11	0857	12321
910	Brazil	ZYN206 Rádio Globo	Juiz de Fora MG	2013.11.10	0501	23322
920	Brazil	ZYI697 Rádio CBN	João Pessoa, Paraíba	2013.11.11	0328	23332
920	Brazil	ZYH476 Rádio Educadora Santana	Caetité BA	2013.11.11	0329	23332
920	Brazil	ZYJ494 Rádio Sociedade / Stereo Sul	Volta Redonda RJ	2013.11.11	0400	24322
920	Paraguay	ZP1 Radio Nacional de Paraguay	Asunción	2013.11.13	0257	34233
927	Algeria	Radio Algérie	Timimoun	2013.11.10	2257	24332
930	Brazil	ZYL229 Rádio Araguari	Araguari MG	2013.11.10	0502	22322
930	Brazil	ZYL237 Rádio Globo	Governador Valadares MG	2013.11.11	0001	32332
930	Brazil	ZYL220 Rádio Clube	Campo Belo MG	2013.11.14	0259	23333
930	Cuba	Radio Reloj	3 small synchros	2013.11.14	0859	12331
936	Iran	IRIB	Fesenduz	2013.11.08	2359	23332
940.010	Argentina	LRH200 Radio Chajarí (note 3)	Chajarí	2013.11.11	0801	23322
939.997	Brazil	ZYJ453 Super Rádio Boa Vontade	Rio de Janeiro RJ	2013.11.11	0100	34444
950.000	Argentina	LR3 Radio Nueve	William C. Morris, Buenos Aires	2013.11.11	0228	34434
950	Brazil	ZYL212 Rádio Atalaia	Belo Horizonte MG	2013.11.15	0456	33333
950	USA	WKDN	Philadelphia PA	2013.11.10	0859	22322
954	Qatar	Qatar Broadcasting Station	Al-Arish, Doha	2013.11.09	0100	33443
960	Argentina	LRA6 Radio Nacional	Mendoza	2013.11.11	0857	23332
960	Brazil	ZYH793 Rádio Jovem Palmas	Palmas TO	2013.11.09	2357	34333
960	Brazil	ZYJ257 Rádio Globo (tent)	Maringá PR	2013.11.11	0400	13321
959.965	Brazil	ZYI216 Rádio Diocesana	Cachoeiro do Itapemirim ES	2013.11.11	0559	23332
959.998	Brazil	ZYH241 Rádio Difusora de Alagoas	Maceió AL	2013.11.11	0700	22332
960.000	Brazil	ZYH802 Rádio Caraíba	Aparecida de Goiânia GO	2013.11.11	0800	23322

959.996	Brazil	ZYH793 Rádio Jovem Palmas	Palmas TO	2013.11.12	0257	24333
960	Brazil	ZYK689 Rádio São Paulo	São Paulo SP	2013.11.15	0300	24332
960	USA	WHYL	Carlisle PA	2013.11.11	0902	23332
963	Cyprus	Cyprus Broadcasting Corp. (tent)	Nicosia	2013.11.09	0101	24332
970	Argentina	LT25 Radio Guarani	Curuzú Cuatiá	2013.11.11	0528	24322
970	Brazil	ZYK201 Rádio Pampa	Porto Alegre RS	2013.11.10	0256	32332
970	Brazil	ZYJ260 Rádio Alvorada	Londrina PR	2013.11.11	0329	123X1
970	Brazil	ZYL285 Rádio São João del Rei	São João del Rei MG	2013.11.14	0032	13321
970	Brazil	ZYH451 Rádio Sociedade	Feira de Santana BA	2013.11.15	0400	23322
970	Uruguay	CX22 Radio Universal	Montevideo	2013.11.11	0601	33323
972	Iran	IRIB	Ilam	2013.11.08	2359	22321
972	Spain	RNE Radio Nacional	Cabra AN	2013.11.11	0625	24332
980	Canada	CFPL	London ON	2013.11.12	2300	14321
990.021	Argentina	LR4 Radio Splendid	Villa Domínico, Buenos Aires	2013.11.11	0358	33333
990	Argentina	LRH203 La AM 990	Formosa	2013.11.11	0625	32322
990	Spain	SER Radio Cádiz	Cádiz AN	2013.11.08	2258	33333
999	Italy	RAI Radio 1	Volpiano, Torino	2013.11.08	2300	133X1
999.989	Brazil	ZYK522 Rádio Record	São Paulo SP	2013.11.11	0259	35444
1008	Spain / Canary Islands	esRadio	Las Palmas	2013.11.09	0059	34343
1009.998	Brazil	ZYH625 Rádio Globo	Fortaleza CE	2013.11.11	0658	43443
1010	Brazil	ZYH448 Rádio Bahia	Salvador BA	2013.11.13	0457	22422
1017	Iran	IRIB	Bandar Abbas	2013.11.08	2358	22332
1020	Argentina	LRJ214 AM 1020	San Juan	2013.11.11	0500	24331
1019.934	Brazil	ZYH247 Rádio Jovem Pan	Maceió AL	2013.11.11	0402	34333
1020	Brazil	ZYH781 Rádio Boas Novas	Firminópolis GO	2013.11.11	0800	23322
1020.096	Paraguay	ZP14 Radio Ñandutí	Asunción	2013.11.10	0700	23332
1030	Brazil	ZYI777 Rádio Olinda	Olinda PE	2013.11.09	2359	33323
1030	Puerto Rico	WOSO	San Juan	2013.11.11	0859	32332
1034.972	Iran	IRIB	Yazd	2013.11.08	2358	33323
1044.002	Spain	SER Radio San Sebastián	San Sebastián EU	2013.11.08	2158	45555
1050	Argentina	LV27 Radio San Francisco	Santa Fé	2013.11.13	0301	22322
1049.995	Brazil	ZYI203 Rádio Capixaba	Vitória ES	2013.11.10	0500	33333
1050	Uruguay	CX26 Radio Uruguay	Montevideo	2013.11.11	0800	22312
1059.997	Brazil	ZYL278 Rádio 880	Belo Horizonte MG	2013.11.11	0100	34434
1060	Brazil	ZYJ830 Rádio Mais Alegria (note 4)	Florianópolis SC	2013.11.14	0230	23322
1060	Brazil	ZYJ597 Rádio Tapuyo	Mossoró RN	2013.11.15	0759	34444
1070.000	Brazil	ZYI673 Rádio Cajazeiras	Cajazeiras PB	2013.11.10	2257	24333
1069.972	Brazil	ZYK615 Rádio Metropolitana	Mogi das Cruzes SP	2013.11.11	0200	13322
1070	Brazil	ZYK615 Rádio Metropolitana	Mogi das Cruzes SP	2013.11.14	0300	14321

1070	Colombia	HJCG Radio Santa Fé	Bogotá	2013.11.10	0259	34333
1070	Colombia	HJAH Emisora Atlántico	Barranquilla	2013.11.15	0601	33323
1070	USA	WAPI	Birmingham AL	2013.11.08	2258	34323
1071.000	Saudi Arabia	BSKSA General Pgm	Bisha	2013.11.08	2200	23432
1080	Brazil	ZYK280 R. Univ. Fed. Rio Grande do Sul	Porto Alegre RS	2013.11.09	2359	23332
1080	Brazil	ZYI784 Rádio Jornal	Caruaru PE	2013.11.10	0259	23322
1080	Brazil	ZYH670 Rádio Cultura	Quixadá CE	2013.11.10	2158	33333
1080	Brazil	ZYH708 Rádio Capital	Brasília DF	2013.11.11	0301	234X1
1080	Brazil	ZYH485 Rádio Fascinação	Itapetinga BA	2013.11.15	0559	22322
1080	Paraguay	ZP25 Radio Monumental	Asunción	2013.11.11	0800	24333
1090.001	Brazil	ZYJ592 Rádio Rural de Natal	Natal RN	2013.11.10	0359	34434
1090	Brazil	ZYJ468 Rádio Metropolitana	Rio de Janeiro RJ	2013.11.11	0701	23322
1089.992	Brazil	ZYH758 Rádio Aliança AM	Goiânia GO	2013.11.15	0256	23333
1100	Brazil	ZYJ607 Rádio Seridó	Caicó RN	2013.11.09	2159	22332
1100	Colombia	HJCN BBN	Bogotá	2013.11.10	0900	33323
1107	Italy	RAI Radio 1	Roma	2013.11.08	2300	133X1
1110	Argentina	LS1 Radio de la Ciudad	Buenos Aires, CABA	2013.11.11	0458	33333
1110	Brazil	ZYI679 Rádio Tabajara	João Pessoa PB	2013.11.10	0029	33323
1110	Brazil	ZYJ471 Rádio Record	Campos RJ	2013.11.14	0102	24322
1116	Spain	SER Radio Pontevedra	Pontevedra GA	2013.11.08	2258	44444
1119.880	Brazil	ZYI778 Rádio Relógio Musical (tent)	Paulista PE	2013.11.10	0400	13331
1120.001	Brazil	ZYK274 Rádio Rural	Porto Alegre RS	2013.11.11	0256	34333
1120.002	Brazil	ZYK660 Rádio Feliz Cidade	São José dos Campos SP	2013.11.14	0059	24323
1120	Uruguay	CW31 Radio Salto	Salto	2013.11.15	0100	24332
1130	Argentina	LRA21 Radio Nacional	Santiago del Estero	2013.11.11	0857	22322
1130	Brazil	ZYI783 Rádio Cultura do Nordeste	Caruarú PE	2013.11.10	0059	22322
1130.051	Brazil	ZYH667 Rádio Patu	Senador Pompeu CE	2013.11.10	2156	33323
1134	Kuwait	Radio Kuwait	Kabd	2013.11.09	0057	32432
1140	Brazil	ZYL362 Rádio Clube	Bocaiúva MG	2013.11.10	0700	22332
1140	Brazil	ZYH449 Rádio Cultura da Bahia	Salvador BA	2013.11.10	2256	23322
1140	USA	WRVA	Richmond VA	2013.11.09	0900	21432
1150	Argentina	LT9 Radio Brigadier López	Santa Fé	2013.11.13	0301	23332
1150	Argentina	LRH202 Radio Tupambaé	Posadas	2013.11.14	0101	32332
1150	Brazil	ZYL283 Rádio Globo	Belo Horizonte MG	2013.11.09	2256	22322
1150	Brazil	ZYJ617 Rádio Cabugi do Seridó	Jardim do Seridó RN	2013.11.10	0501	22332
1150	Brazil	ZYI891 Rádio Pioneira	Teresina PI	2013.11.11	0259	32332
1150	Brazil	ZYH250 Rádio Cultura	Arapiraca AL	2013.11.11	0559	33322
1150	USA	WHBY	Kimberly WI	2013.11.09	0859	24332
1160	Antigua	Caribbean Radio Lighthouse	St. John's	2013.11.10	2258	24332

1160	Brazil	ZYI558 Rádio Guamá	São Miguel do Guamá PA	2013.11.11	0701	23322
1160	Brazil	ZYI202 Rádio Espírito Santo	Vitória ES	2013.11.14	0133	23322
1160	Brazil	ZYK245 Rádio Luz e Alegria	Frederico Westphalen RS	2013.11.14	0300	14331
1160	Colombia	HJOC Fuego AM	Bogotá	2013.11.10	0857	23322
1161	Algeria	Radio Algérie	Ain Salah	2013.11.10	2259	14321
1161	UK / England	Magic 1161	Goxhill, Hull	2013.11.09	0058	33343
1169.992	Brazil	ZYJ498 Rádio Bom Jesus	Bom Jesus de Itabapoana RJ	2013.11.11	0101	33323
1170	Brazil	ZYJ598 Rádio Difusora	Mossoró RN	2013.11.11	0201	22322
1170	Brazil	ZYJ363 Rádio Colméia	Mandaguaçu PR	2013.11.11	0256	23322
1169.991	Brazil	ZYK569 Rádio Bandeirantes	Campinas SP	2013.11.11	0556	34333
1170	Brazil	ZYJ273 Rádio Atalaia	Curitiba PR	2013.11.14	0401	23332
1170	Slovenia	Radio Capodistra	Beli Kriz	2013.11.09	0057	34343
1170	USA	KFAQ (tent)	Tulsa OK	2013.11.11	1000	32422
1179	Spain	SER Radio Valencia	Valencia VA	2013.11.08	2259	32332
1180	Brazil	ZYN602 Rádio Ativa	Campo Grande MS	2013.11.11	0757	23323
1180	Brazil	ZYH889 Rádio Capital	São Luís MA	2013.11.11	0802	23332
1180	Brazil	ZYJ463 Rádio Mundial	Rio de Janeiro RJ	2013.11.15	0400	32333
1188	Saudi Arabia	BSKSA General Pgm	unknown location	2013.11.08	2201	12XX1
1190	Argentina	LRA15 Radio Nacional	San Miguel de Tucumán	2013.11.11	0857	22322
1190.000	Argentina	LR9 Radio América	Buenos Aires, CABA	2013.11.15	0703	34424
1190	Brazil	ZYJ594 Rádio CBN	Natal RN	2013.11.09	2131	24343
1190	Puerto Rico	WBMJ La Roca	San Juan	2013.11.10	0059	23332
1200.004	Brazil	ZYH585 Ceará Rádio Clube	Fortaleza CE	2013.11.11	0300	33333
1210	Brazil	ZYH711 Super Rádio Brasília	Brasília DF	2013.11.11	0259	22322
1210	Brazil	ZYJ219 Super Rádio Deus é Amor	Curitiba PR	2013.11.14	0231	23332
1210	Brazil	ZYI786 Rádio Jornal	Garanhuns PE	2013.11.14	0402	23322
1210	Brazil	ZYH452 Rádio Povo	Feira de Santana BA	2013.11.15	0702	22332
1219.999	Argentina	LRL328 Radio Eco	Buenos Aires, CABA	2013.11.11	0301	32422
1220	USA	WSLM	Salem IN	2013.11.11	0959	24432
1230	Argentina	LT2 Radio Dos	Rosario	2013.11.14	0130	24333
1230	Brazil	ZYK699 Super Rádio Boa Vontade	São Paulo SP	2013.11.11	0624	22322
1230.009	Brazil	ZYH532 Rádio Povo	Ubatã BA	2013.11.11	0700	23333
1230	Brazil	ZYJ816 Rádio Guararema	São José SC	2013.11.14	0232	23322
1240.090	Brazil	ZYL317 Rádio Pirapora	Pirapora MG	2013.11.15	0501	23332
1250	Brazil	ZYL367 Rádio Metropolitana	Vespasiano MG	2013.11.11	0658	24323
1250	Brazil	ZYK233 Rádio Difusora Caxiense	Caxias do Sul RS	2013.11.11	0731	23321
1250	Brazil	ZYK702 Rádio Canção Nova	Caçapava SP	2013.11.14	0500	23321
1250	Brazil	ZYJ925 Rádio Esperança	Estância SE	2013.11.15	0257	23322
1250	USA	WGAM	Manchester NH	2013.11.09	2259	24332

1260	Brazil	ZYH242 Rádio Gazeta de Alagoas	Maceió AL	2013.11.11	0200	22322
1260	Brazil	ZYH596 Rádio Vale do Jaguaribe	Limoeiro do Norte CE	2013.11.13	2301	24233
1260	Brazil	ZYK629 Rádio Clube	Pirajuí SP	2013.11.14	0028	23322
1259.843	Greece / Dodecanese	ERA	Rodos	2013.11.08	2159	33433
1270	Argentina	LS11 Radio Provincia de Buenos Aires	La Plata	2013.11.15	0055	34444
1270	USA	WTSN	Dover NH	2013.11.12	0900	22321
1278.000	Egypt	ERTU 1	Aswan	2013.11.08	2200	32322
1280	Brazil	ZYI688 Rádio Sanhauá	João Pessoa PB	2013.11.09	2159	32442
1280	Puerto Rico	WCMN NotiUno	Arecibo	2013.11.15	0600	33333
1290	Brazil	ZYL345 Rádio Cidade (tent)	Arcos MG	2013.11.09	2201	13321
1290.006	Brazil	ZYL273 Rádio Uberlândia AM (note 5)	Uberlândia MG	2013.11.11	0702	23332
1290	Brazil	ZYH286 Rádio Rio Mar	Manaus AM	2013.11.14	0402	24332
1290.001	Canada	CJBK	London ON	2013.11.12	0258	24322
1290.003	Uruguay	CX38 Emisora del Sur	Santiago Vázquez, Montevideo	2013.11.11	0328	23322
1299.974	Brazil	ZYH586 Rádio Iracema	Fortaleza CE	2013.11.10	2156	34433
1300	Brazil	ZYK535 Rádio Universo	São Bernardo do Campo SP	2013.11.11	0200	23332
1300	Brazil	ZYK762 Rádio Realidade	São Carlos SP	2013.11.11	0659	22321
1310.058	Brazil	ZYI691 Rádio Cidade Esperança	Esperança PB	2013.11.11	0729	24333
1319.989	Brazil	ZYJ255 Rádio Tropical	Curitiba PR	2013.11.11	0359	34323
1319.998	Brazil	ZYH243 Rádio Milênio	Maceió AL	2013.11.11	0659	34444
1320	USA	WTOW	Washington NC	2013.11.09	0900	23321
1320	USA	WJAS	Pittsburgh PA	2013.11.14	0402	23322
1322.998	UK / England	Gold	Southwick, Brighton	2013.11.08	2159	33443
1330	Argentina	Radio Mailín	Gregorio de Laferrère, Buenos Aires	2013.11.15	0300	13321
1330.001	Brazil	ZYK736 Rádio Terra	São Paulo SP	2013.11.11	0059	33433
1330	Uruguay	CX40 Radio Fénix	Montevideo	2013.11.09	2327	23332
1332	Romania	Radio România Actualități	Galati	2013.11.09	0059	32422
1332	UK / England	Gold	Gunthorpe, Peterborough	2013.11.09	0059	23432
1340	Brazil	ZYL352 Rádio Globo	Passos MG	2013.11.11	0300	14321
1339.952	Brazil	ZYK374 Rádio Jornal da Manhã	Ijuí RS	2013.11.15	0700	23332
1340	Colombia	HJFB Radio Amor Estéreo (tent) (note 6)	Bogotá	2013.11.12	2358	24322
1340	USA	WIRY	Plattsburgh NY	2013.11.10	0027	24332
1340	USA	WMDR	Augusta ME	2013.11.11	0156	23322
1349.911	Brazil	ZYH520 Rádio Cristal	Salvador BA	2013.11.09	2159	24333
1350	Brazil	ZYI675 Super Rádio Clube	Campina Grande PB	2013.11.09	2256	33323
1350	Brazil	ZYJ760 Rádio Clube Bandeirantes	Itajaí SC	2013.11.15	0356	13321
1359	Iran	IRIB Radio Fars	Darab	2013.11.08	2258	33323
1360.055	Brazil	ZYJ265 Rádio Cidade	Pato Branco PR	2013.11.10	0058	23332
1360.000	Brazil	ZYJ464 Rádio Bandeirantes	Rio de Janeiro RJ	2013.11.10	0357	34333

1368	Italy	Challenger Radio	Villa Estense, Padova	2013.11.09	0058	23332
1370	Brazil	ZYJ267 Rádio Independência	Curitiba PR	2013.11.11	0059	23332
1370	Brazil	ZYH555 Rádio Jornal	Monte Santo BA	2013.11.14	0057	23322
1380.001	Brazil	ZYI773 Rádio Continental	Recife PE	2013.11.11	0158	24333
1380	Brazil	ZYL323 Rádio Gorutubana (tent)	Janaúba MG	2013.11.15	0501	14331
1390	Brazil	ZYJ242 Rádio Cultura	Maringá PR	2013.11.11	0628	22322
1389.993	Brazil	ZYI209 Rádio Educadora	Afonso Cláudio ES	2013.11.11	0659	33343
1390	Brazil	ZYK570 Rádio Globo	Campinas SP	2013.11.15	0701	113X1
1395	Armenia	Voice of Russia	Yerevan	2013.11.08	2258	23343
1395	Russia	Radio Rossii	Buguruslan	2013.11.09	0058	14332
1404	Greece	ERA	Komotini	2013.11.08	2159	32432
1410	Brazil	ZYJ486 Rádio Itaperuna	Itaperuna RJ	2013.11.10	0700	23322
1410	Canada	CJWI	St. Constant, Montréal QC	2013.11.14	0456	33333
1420	Brazil	ZYJ754 Rádio Guarujá (note 7)	Florianópolis SC	2013.11.10	0057	24333
1420	Brazil	ZYL286 Rádio Difusora	São João Nepomuceno MG	2013.11.10	0400	34323
1420	Brazil	ZYH504 Rádio Cidade (tent)	Irecê BA	2013.11.11	0601	23321
1420.024	Brazil	ZYL288 Rádio Cultura	Sete Lagoas MG	2013.11.15	0557	23332
1430	Brazil	ZYK707 Rádio Imaculada Conceição	Sao Roque SP	2013.11.11	0329	123X1
1430	Brazil	ZYJ200 Rádio B2	Curitiba PR	2013.11.11	0759	33323
1430	Brazil	ZYJ604 Rádio Libertadora Mossoroense	Mossoró RN	2013.11.14	0101	22322
1430	USA	KZQZ	Dupo IL / St. Louis MO	2013.11.10	0027	23333
1449.000	Saudi Arabia	BSKSA General Pgm	Bahrah	2013.11.08	2200	33433
1450	Uruguay	CX46 Radio América	Montevideo	2013.11.15	0559	24332
1450	USA	WNBP	Newburyport MA	2013.11.15	0802	23322
1460	Brazil	ZYH300 Rádio Clube de Parintins	Parintins AM	2013.11.11	0556	24433
1460	Brazil	ZYK608 Rádio Cultura (tent)	Lorena SP	2013.11.14	0100	13XX1
1460.015	Brazil	ZYJ204 Rádio Difusora	Paranaguá PR	2013.11.14	0500	13331
1460	USA	WHIC	Rochester NY	2013.11.10	0159	24333
1467	Iran	IRIB	Qom	2013.11.08	2359	33343
1490.183	Brazil	ZYL231 Rádio Onda Viva	Araguari MG	2013.11.10	0501	13311
1490	Brazil	ZYK764 Rádio Imaculada Conceição	Mauá SP	2013.11.11	0731	24332
1490.005	USA	WRMT	Rocky Mount NC	2013.11.09	2256	23322
1490	USA	WOLF	Syracuse NY	2013.11.11	0056	13321
1500	Brazil	ZYI779 Rádio Pajeu	Afogados da Ingazeira PB	2013.11.11	0728	23332
1500	Brazil	ZYL215 Rádio Montanhosa	Viçosa MG	2013.11.15	0501	123X1
1510	USA	WUFC	Boston MA	2013.11.11	0059	45444
1511.930	Greece / Crete	ERA	Chania	2013.11.08	2159	33433
1520	Brazil	ZYJ218 Rádio Serra do Mar	Antonina PR	2013.11.11	0401	12321
1530	Brazil	ZYK677 Rádio Difusora Dracena	Tupi Paulista SP	2013.11.11	0627	13311

1530	Brazil	ZYH479 Rádio Cultura	Guanambi BA	2013.11.14	0602	32332
1539	Spain	SER Radio Elche	Elche VA	2013.11.08	2158	32422
1539	Spain	SER Radio Manresa	Manresa CA	2013.11.08	2158	33432
1540	Brazil	ZYH611 Rádio Sant' Ana	Tianguá CE	2013.11.11	0430	23332
1549.993	Brazil	ZYI700 Rádio Jardim da Borborema AM	Areia PB	2013.11.11	0556	24333
1550	Canada	CBEF	Windsor ON	2013.11.15	0259	34333
1550	USA	WSDK	Bloomfield CT	2013.11.12	0900	14331
1560	Brazil	ZYH526 Rádio Povo	Ribeira do Pombal BA	2013.11.11	0559	22322
1560	USA	WQEW	New York NY	2013.11.09	2356	45454
1566	UK / England	Eagle Extra	Peasmarsh, Guildford	2013.11.08	2359	23342
1570	Brazil	ZYH496 Rádio Povo	Jaguaquara BA	2013.11.11	0657	23332
1570	Brazil	ZYK651 Rádio Emissora ABC	Santo André SP	2013.11.15	0300	24322
1570	Mexico	XERF La Poderosa	Ciudad Acuña	2013.11.14	0500	23332
1570	Perú	OAU7Z Radio Carráviz (note 8)	Juliaca	2013.11.15	0857	22332
1580.236	Brazil	ZYH502 Rádio Atalaia	Canavieiras BA	2013.11.11	0601	24322
1590	USA	WKTP	Jonesborough TN	2013.11.15	0659	23322
1600	USA	WAAM	Ann Arbor MI	2013.11.09	0900	23321
1602	Spain	SER Radio Onteniente	Onteniente VA	2013.11.08	2158	22432
1602	Spain	SER Radio Linares	Linares AN	2013.11.08	2300	33423
1602	Spain	SER Radio Segovia	Segovia CL	2013.11.08	2300	23432
1620	Cuba	Radio Angulo	Holguín	2013.11.09	0100	32422
1620	Cuba	CMNL Radio Bayamo	Bayamo	2013.11.15	0401	22342
1628.985	Netherlands	Radio Calypso (note 9)	pirate	2013.11.08	2157	25443
1629.828	Argentina	LRI234 Radio América	San José	2013.11.11	0300	14322
1630	Argentina	Radio Diagonal (tent)	La Plata	2013.11.11	0303	14322
1640.020	USA	WTNI	Biloxi MS	2013.11.11	0700	24233
1670.004	Argentina	Radio Rubi	Rafael Castillo, Buenos Aires	2013.11.11	0256	33323
1710.007	USA	WQFG689 (TIS)	Hudson County NJ	2013.11.15	2359	14321
1710.028	USA	Radio Celestial	Bronx NY	2013.11.16	0001	24332
6205.45	Italy	Tango Italia	pirate	2013.11.09	2210	25332

Notes: **note 1** Also many parallels: 666, 828, 837, 936, 972, 1017, 1035, 1116, 1242, 1251, 1377, 1431, 1467, 1503, 1539, 1575; **note 2** ID by Jan Alvestad / RealDX; **note 3** ID confirmed by Sylvain Naud, Chuck Hutton & Henrik Klemetz / RealDX; **note 4** ID by Rocco Cotroneo / RealDX; **note 5** ID confirmed by Rocco Cotroneo / RealDX; **note 6** With useful input from Henrik Klemetz / RealDX; **note 7** Network identified by Jan Alvestad / RealDX; **note 8** ID by Henrik Klemetz, Torolf Johnsson & Fredrik Dourén / RealDX; **note 9** Reception confirmed by the station operator in December, 2019