

SUPPLEMENT JANUARY 2012

to the

2011/2012 GUIDE TO UTILITY RADIO STATIONS

Edition 26

The following stations have been monitored between November 2010 and December 2011.

The **2013/2014** (*27th!*) edition of our **GUIDE TO UTILITY RADIO STATIONS** will be published on 10 December 2012. Many more new frequencies, new stations, and new digital data transmission systems will be included, monitored with the latest technology. If *you* are able to supply additional new frequencies and stations, your cooperation would be highly appreciated. Please let us have your contributions by 30 September 2012. Thank you! ☺

Sincerely,

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1880.0		UKCG Falmouth, GBR	SSB
1896.5		NATO digital data station	STANAG 4285: 1638+1652 encrypted tfc
1911.0	CND	Agadir R, MRC	SSB
2171.5		NATO digital data station	STANAG 4285: 1853 encrypted tfc
2193.0		NATO digital data station	STANAG 4285: 0552 encrypted tfc
2291.5		NATO digital data station	STANAG 4285: 2116 encrypted tfc
2403.0		NATO digital data station	STANAG 4285: 1653+1858 encrypted tfc
2435.0		NATO digital data station	STANAG 4285: 2033 encrypted tfc
2446.8		NATO digital data station	STANAG 4285: 1723+1808+1836+2117 encrypted tfc
2462.5		NATO digital data station	STANAG 4285: 1814 encrypted tfc
2577.8		Digital data station	CIS-12 PSK: 1818-1907 tfc
2593.0	CND	Agadir R, MRC	SSB
2638.7		Digital data station	FSK 300 Bd: 0636 tfc
2776.0	RCV	CISN Sevastopol', UKR	CW
2815.0	MKL	RAF London, GBR	STANAG 4481 FSK 75 Bd: 0135+1745+1926+2349 tfc
3071.5		NATO digital data station	STANAG 4285: 1627+1711+1828+2043 encrypted tfc
3354.8		NATO digital data station	STANAG 4285: 1714 encrypted tfc
3766.8		Digital data station	CIS-12 PSK: 2048 tfc
3801.5	DEK 30	DRK Hamburg, GER	PACTOR: 1700 tfc
3803.8		NATO digital data station	STANAG 4285: 1738 encrypted tfc
3815.0		Novosibirsk Air, SW, RUS	SSB
		Voronezh Air, RUS	SSB
3870.0		NATO digital data station	STANAG 4285: 1654+1702+1729 encrypted tfc
3880.0		Digital data station	FSK 75 Bd: 1810 tfc
3967.5		Digital data station	FSK 43 Bd: 1521 tfc
4018.0		many USAF MARS stations	SSB
4043.5	YQI 43	Sailmail R, Constanta, ROM	DIG
4045.0		Astana Air, KAZ	SSB
		Kostany Air, KAZ	SSB
		Krasnodar Air, RUS	SSB
		Nizhniy Novgorod Air, RUS	SSB
		Salekhard Air, SW, RUS	SSB
		Samara Air, RUS	SSB
		Syktyvkar Air, RUS	SSB
		Volgograd Air, RUS	SSB
4131.8		Digital data station	CIS-12 PSK: 1523 tfc
4153.9		Digital data station	STANAG 4481 FSK 75 Bd: 1836 tfc
4168.0		Digital data station	FSK 81 Bd: 1829 tfc
			CW
4215.7	IDR	IN Rome, ITA	ITA2 75 Bd: 1658+1832+2008 channel status
4218.0	UIW	Kaliningrad R, RUS	ITA2 50 Bd: 1000+1630 navigational warnings

4238.0	MVU	RAF London, GBR	SSB
4241.8		Digital data station	CIS-12 PSK: 0547 tfc
4322.0	CBM	Magallanes R, CHL	FAX \$
4397.4	KEM	Nikolski R, Umnak I., ALS	DIG
4403.4	KEM	Nikolski R, Umnak I., ALS	DIG
4405.0	9AR	Rijeka R, CRT	SSB
4408.0	J2A	Jibuti R, DJI	SSB
4421.4	KEM	Nikolski R, Umnak I., ALS	DIG
4424.4	KEM	Nikolski R, Umnak I., ALS	DIG
4440.0		Digital data station	FSK 75 Bd: 1604 tfc
4500.0	OSN	BN Oostende, BEL	ITA2 75 Bd: 1543-1554 channel status
4504.0		NATO digital data station	STANAG 4285: 1625-2108 encrypted tfc
4518.4		Digital data station	3-channel VFT: FSK 192 Bd: 1330 tfc
4529.7		Digital data station	FSK 300 Bd: 1512 tfc
4544.0		Digital data station	FSK 50 Bd: 1713-1730 tfc, s. off
			CW
4548.0		Digital data station	FSK 75 Bd: 1718 tfc
4594.0	'TYMT'	Guardia Civil Toledo, SPA	ALE: 1739 clg 'TXXX' Madrid
4606.8		NATO digital data station	STANAG 4285: 1644+1705+1905 encrypted tfc
4614.8		NATO digital data station	STANAG 4285: 1512+1606 encrypted tfc
4616.0		Digital data station	2-channel VFT: FSK 100 Bd: 1630 tfc
4700.0	CFH	CF Halifax, NS, CAN	SSB
4709.0	MQP	RAF London, GBR	SSB
4739.0	AFS	USAF Offutt AFB, NE, USA	SSB
4751.0	'TWLG'	Guardia Civil Guipuzc., SPA	ALE: 1915 clg 'TXXX' Madrid
4755.0		Krasnodar Air, RUS	SSB
		Moscow Air, RUS	SSB
		Rostov-na-Donu Air, RUS	SSB
4781.5		NATO digital data station	STANAG 4285: 1630 encrypted tfc
4968.0	RIT	CISN Vaygach, RUS	CW
5086.0		Digital data station	FSK 50 Bd: 1256 tfc
5106.8		NATO digital data station	STANAG 4285: 2245 encrypted tfc
5115.0		Digital data station	FSK 75 Bd: 1700 tfc
5151.5		NATO digital data station	STANAG 4285: 0607 encrypted tfc
5244.4		Digital data station	3-channel VFT: FSK 192 Bd: 1633 tfc
5253.8		Digital data station	CIS-12 PSK: 1813 tfc
5258.0		Digital data station	FSK 75 Bd: 1610 tfc
5286.0		Digital data station	FSK 75 Bd: 1718 tfc
5292.7		Digital data station	FSK 75 Bd: 1620 tfc
5301.8		Digital data station	CIS-12 PSK: 2250 tfc
5353.0	'TWCL'	Guardia Civil Lugo, SPA	ALE: 2200 clg 'TXXX' Madrid
5414.8		NATO digital data station	STANAG 4285: 1649 encrypted tfc
5433.0		Digital data station	FSK 40 Bd: 1728 tfc
5455.0	FDE	FAF Villacoublay, FRA	SSB
5696.0	NOJ	USCG Kodiak, ALS	SSB
5714.0	FUC	FN Cherbourg, FRA	SSB

5785.0	'NAPOLI'	IFG Napoli, ITA	ALE: 1814 tfc
5823.5		Digital data station	VFT: FSK 100 Bd: 1730 tfc
5824.5		Digital data station	VFT: FSK 100 Bd: 1730 tfc
5850.0	OVG	DM Frederikshavn, DNK	STANAG 4285: 1340-1734 encrypted tfc
5881.4	WQL 1952	Sailmail R, W.ville., CA, USA	DIG
6314.0	UFZ	Vladivostok R, SE, RUS	SITOR-B: 1100 navigational warnings
6337.0	GYA	RN London, GBR	STANAG 4285: 0553+0945+1504-2329 encrypted tfc
6413.5	OSN	BN Oostende, BEL	ITA2 75 Bd: 1523 channel status
6414.5	OSN	BN Oostende, BEL	STANAG 4285: 0907+1023+1456-1916 encrypted tfc
6416.0	RIT	CISN Vaygach, RUS	CW
6422.0	PWZ	BN Rio de Janeiro, BRA	PACTOR: 0515 msg
6449.0	RIT	CISN Vaygach, RUS	CW
6450.0	'NAPOLI'	IFG Napoli, ITA	ALE: 0846+1431 clg 'ROMA' Rome
	'TARANTO'	IFG Taranto, ITA	ALE: 1200 tfc
6500.0	PBC	DN Goeree Island, NLD	STANAG 4285: 0258-1857 channel status or encrypted tfc
6502.4		NATO digital data station	STANAG 4285: 1152-1718 encrypted tfc
6510.0	9AR	Rijeka R, CRT	SSB
6511.4	KEM	Nikolski R, Umnak I., ALS	DIG
6550.0	PBK	NCG Ijmuiden, NLD	SSB
6688.0	FDE	FAF Villacoublay, FRA	SSB
6709.0	NOJ	USCG Kodiak, ALS	SSB
6712.0	NAU	USN Roosevelt Roads, PTR	SSB
6796.0	'TZSE'	Guardia Civil Melilla, SPA	ALE: 1914 clg 'TXXX' Madrid
6832.0	RMP	CISN Kaliningrad, RUS	CW
6874.0	'TYMT'	Guardia Civil Toledo, SPA	ALE: 1738 clg 'TXXX' Madrid
6907.8		Digital data station	CIS-12 PSK: 1700 tfc
6934.0	'TYVA'	Guardia Civil Alicante, SPA	ALE: 2010 clg 'TXXX' Madrid
6955.0	'TWVA'	Guardia Civil Avila, SPA	ALE: 0701 clg 'TXXX' Madrid
	'TYMT'	Guardia Civil Toledo, SPA	ALE: 0726 clg 'TXXX' Madrid
7428.0		Digital data station	FSK 75 Bd: 0051 tfc
7455.0		Digital data station	FSK 50 Bd: 0051 tfc
7527.0	'TWBH'	Guardia Civil Huesca, SPA	ALE: 1110 clg 'TXXX' Madrid
	'TWLL'	Guardia Civil La Rioja, SPA	ALE: 1132 clg 'TXXX' Madrid
	'TWVL'	Guardia Civil Leon, SPA	ALE: 1636 clg 'TXXX' Madrid
	'TZSE'	Guardia Civil Melilla, SPA	ALE: 1200 clg 'TXXX' Madrid
7606.0		Digital data station	FSK 75 Bd: 0052+1735 tfc
7634.0		Digital data station	FSK 75 Bd: 1714 tfc
7641.8		Digital data station	CIS-12 PSK: 1640+1808 tfc
7682.8		Digital data station	CIS-12 PSK: 0454 tfc
7702.0		Digital data station	FSK 75 Bd: 1614 tfc
7711.8		Digital data station	CIS-12 PSK: 1947+2103 tfc
7713.0		Digital data station	FSK 75 Bd: 1644 tfc
7792.0	'DRINI'	Drini, ALB	ALE: 1044 clg 'MALI'
7816.0		Digital data station	FSK 50 Bd: 0350 tfc

7873.5	IDR	IN Rome, ITA	STANAG 4285: 0655+1446+1540 encrypted tfc
7900.0		Digital data station	FSK 75 Bd: 1546 tfc
7917.0	'DRINI'	Drini, ALB	ALE: 0755 clg 'BORA'
7931.8		Digital data station	CIS-12 PSK: 1645 tfc
7959.0		Digital data station	FSK 75 Bd: 1630 tfc
7963.0		ICG Reggio Calabria, ITA	SSB
7971.4	WQL 1952	Sailmail R, W.ville., CA, USA	DIG
8006.8		NATO digital data station	STANAG 4285: 2106 encrypted tfc
8070.0		Digital data station	FSK 50 Bd: 0502 tfc
8098.0		Digital data station	FSK 50 Bd: 1550 tfc
8125.0		NATO digital data station	STANAG 4285: 1546-1953 encrypted tfc
8136.0	RDL	Smolensk, RUS	CW
8138.0		Digital data station	FSK 50 Bd: 1351 tfc
			FSK 75 Bd: 1858 tfc
8138.5	YQI 83	Sailmail R, Constanta, ROM	DIG
8139.8		Digital data station	CIS-12 PSK: 2255 tfc
8180.0	'STAT11'	Digital data station	ALE: 1942 tfc
8190.0	'MESSINA'	IFG Messina, ITA	ALE: 1835 clg 'CAGLIARI' Cagliari
	'NAPOLI'	IFG Napoli, ITA	ALE: 1056 clg 'ROMA' Rome
	'PALERMO'	IFG Palermo, ITA	ALE: 1300 clg 'TARANTO' Taranto
	'TRAPANI'	IFG Trapani, ITA	ALE: 1137 tfc
8214.0		NATO digital data station	STANAG 4285: 1908+1952 encrypted tfc
8310.0	'GWPWR'	BN Recife, BRA	ALE: 0050 tfc
8327.0		NATO digital data station	STANAG 4285: 1654 encrypted tfc
8331.8		NATO digital data station	STANAG 4285: 1700 encrypted tfc
8416.5	UFZ	Vladivostok R, SE, RUS	SITOR-B: 1100 navigational warnings
8458.0		NATO digital data station	STANAG 4285: 1557 encrypted tfc
8552.0	PBB	DN Den Helder, NLD	ITA2 75 Bd: 0926 channel status
8585.0		Digital data station	FSK 50 Bd: 1711 tfc
8613.8		Digital data station	CIS-12 PSK: 2028 tfc
8627.8		Digital data station	CIS-12 PSK: 1546 tfc
8638.5	HEB	Berne R, SWI	PACTOR-2: H+00 tfc list; QSX 8338.0 kHz
8679.0		NATO digital data station	STANAG 4285: 1826 encrypted tfc
8685.8		Digital data station	CIS-12 PSK: 0327 tfc
8696.0	CBM	Magallanes R, CHL	FAX // 4322.0 kHz \$
8749.0	LSD 836	Buenos Aires R, ARG	SSB
8759.4	KEM	Nikolski R, Umnak I., ALS	GW-FSK: 1818 tfc
8797.0	J2A	Jibuti R, DJI	SSB
8800.0	CND	Agadir R, MRC	SSB
8803.0	FJA	Papeete R, Tahiti, PLY	SSB
8806.0	9AR	Rijeka R, CRT	SSB
8912.0	NMC	USCG San Franc., CA, USA	SSB
8951.0		Aktyubinsk Air, KAZ	SSB
8971.0	AFA	USAF Andrews, MD, USA	SSB
		USN Jacksonville, FL, USA	SSB

9013.0	LWB	AA Buenos Aires, ARG	SSB
9089.8		Digital data station	CIS-12 PSK: 1354 tfc
9091.0		Digital data station	ITA2 50 Bd: 1510 ry, operational tfc, msg (5fgs) after "386 1 51440 8591", 1520 s. off
9132.5		NATO digital data station	STANAG 4285: 0838+1812 encrypted tfc
9135.8		Digital data station	CIS-12 PSK: 1905 tfc
9140.0		Digital data station	FSK 50 Bd: 0925 tfc
			FSK 100 Bd: 0826 tfc
9152.0		Digital data station	FSK 75 Bd: 1635 tfc
9156.0		Digital data station	FSK 75 Bd: 1520 tfc
9181.8		Digital data station	CIS-12 PSK: 1648 tfc
9193.0		Digital data station	FSK 50 Bd: 1627 tfc
9227.8		NATO digital data station	STANAG 4285: 1653 encrypted tfc
9249.8		Digital data station	CIS-12 PSK: 1637 tfc
9251.2		Digital data station	STANAG 4539: 1141+1150+1540+1633 encrypted tfc
9270.0	AFE 70	USAF Cape Can., FL, USA	SSB
9866.0		Digital data station	FSK 75 Bd: 1100 tfc
9918.8		Digital data station	CIS-12 PSK: 1149 tfc
10164.0		Digital data station	FSK 50 Bd: 1859 encrypted tfc
10203.0	KPH	San Francisco R, CA, USA	GW-FSK: 2045 tfc
10217.0		Digital data station	CIS-14 100 Bd: 0920+0929 encrypted tfc
10343.0	WQL 1952	Sailmail R, W.ville., CA, USA	DIG
10405.0		Digital data station	FSK 75 Bd: 1654 tfc
10406.8		Digital data station	CIS-12 PSK: 1021 tfc
10552.0	VTK	IN Tuticorin, IND	CW
10561.0		NATO digital data station	STANAG 4285: 1728 encrypted tfc
10740.8		NATO digital data station	STANAG 4285: 0826+0926 encrypted tfc
11010.0	'GWPWB'	BN Belem, BRA	ALE: 2022 tfc
	'GWPWF'	BN Fortaleza, BRA	ALE: 2044 tfc
	'GWPWZ'	BN Rio de Janeiro, BRA	ALE: 1924+2051 tfc
11013.8		Digital data station	CIS-12 PSK: 1543 tfc
11065.8		Digital data station	CIS-12 PSK: 1828 tfc
11139.0		Digital data station	FSK 50 Bd: 0633 tfc
11147.8		Digital data station	CIS-12 PSK: 1238 tfc
11498.0	'GWPWN'	BN Natal, BRA	ALE: 0120 tfc
11622.0		Digital data station	CIS-93 PSK: 1428 tfc
11632.0		Digital data station	FSK 50 Bd: 1022 tfc
12086.0		Digital data station	FSK 50 Bd: 1156 tfc
12146.5		NATO digital data station	STANAG 4285: 1446 encrypted tfc
12226.0		Digital data station	FSK 75 Bd: 1152 tfc
12256.0		Digital data station	FSK 50 Bd: 0920 tfc
12305.0	'RETJ'	SN Madrid, SPA	STANAG 4285: 0952 encrypted msgs ending "SS5I(0)/SS3I(0)"

12315.0	'RETJ'	SN Madrid, SPA	STANAG 4285: 1635 encrypted msgs ending "SS5I(0)/SS3I(0)"
12431.0	'PALERMO'	IFG Palermo, ITA	ALE: 1855 tfc
	'TARANTO'	IFG Taranto, ITA	ALE: 1319 clg 'VIBOVALENTIA' Vibo Valentia
12457.8		NATO digital data station	STANAG 4285: 1505 encrypted tfc
12473.0	'GWPWF'	BN Fortaleza, BRA	ALE: 1040+2148 tfc
12570.1		NATO digital data station	STANAG 4285: 1454 encrypted tfc
12579.0	UFZ	Vladivostok R, SE, RUS	SITOR-B: 1100 navigational warnings
12592.0		Digital data station	FSK 50 Bd: 0656+1718 encrypted tfc
12663.0		NATO digital data station	STANAG 4285: 1300 encrypted tfc
12666.3	FUM	FN Papeete, Tahiti, PLY	STANAG 4285: 0600 clg FAAA
12666.8		NATO digital data station	STANAG 4285: 1444 encrypted tfc
12669.8		Digital data station	CIS-12 PSK: 0555 tfc
12724.8		Digital data station	CIS-12 PSK: 0851 tfc
12897.8		Digital data station	MIL-STD-110A: 1559 encrypted tfc
12907.0		NATO digital data station	STANAG 4285: 1513+1543 encrypted tfc
12997.0		Digital data station	FSK 50 Bd: 0917 tfc
13068.0		NATO digital data station	STANAG 4285: 0941 encrypted tfc
13080.0	CND	Agadir R, MRC	SSB
13104.0	J2A	Jibuti R, DJI	SSB
13200.0	AFS	USAF Offutt AFB, NE, USA	SSB
13242.0	'GUANPR'	USAF Andersen AFB, GUM	ALE: 1410 tfc
	'HAWNPR'	USAF Wideawake, ASC	ALE: 1722 tfc
13360.5		Digital data station	STANAG 4285: 1630 encrypted tfc
13381.7		Digital data station	PSK8A: 1427 tfc
13404.3		Digital data station	CIS-12 PSK: 1013 tfc
13439.0		Digital data station	FSK 100 Bd: 0849 tfc
13442.0		NATO digital data station	STANAG 4285: 1633 encrypted tfc
13547.0		Digital data station	PSK: 0849 tfc
			CIS-36 MFSK: 0851 encrypted tfc
13852.1		Digital data station	CIS-36 MFSK: 1518 encrypted tfc
13859.1		Digital data station	CIS-36 MFSK: 1715 encrypted tfc
13971.0	WQL 1952	Sailmail R, W.ville., CA, USA	DIG
13986.0	WQL 1952	Sailmail R, W.ville., CA, USA	DIG
14378.0		NATO digital data station	STANAG 4285: 1707 encrypted tfc
14444.8		NATO digital data station	STANAG 4285: 1600 encrypted tfc
14445.8		NATO digital data station	STANAG 4285: 1541 encrypted tfc
14452.5		many CFARS stations	SSB
14461.8		NATO digital data station	STANAG 4285: 1638 encrypted tfc
14577.8		Digital data station	CIS-12 PSK: 0915 tfc
14622.1		Digital data station	CIS-36 MFSK: 1526 encrypted tfc
14780.0	'GWPWZ'	BN Rio de Janeiro, BRA	ALE: 2332 tfc
		Digital data station	FSK 50 Bd: 0905 encrypted tfc
14902.8	MKD	RAF Akrotiri, CYP	STANAG 4285: 0530-1610 encrypted tfc
14971.1		Digital data station	CIS-93 PSK: 1013 tfc
15722.1		Digital data station	CIS-36 MFSK: 1157 encrypted tfc

15867.0	NMC	USCG San Franc., CA, USA	SSB
	'OPB'	USCG Cockb. H., G.T.I., TCA	ALE: 1820 tfc
16168.1		Digital data station	CIS-36 MFSK: 0842 encrypted tfc
16285.0	'STAT5'	Digital data station	PACTOR-2: 0800 tfc
	'STAT154'	Digital data station	ALE: 1000 clg 'STAT5'
16316.0		Digital data station	FSK 50 Bd: 0844 tfc
16450.0	'RETJ'	SN Madrid, SPA	STANAG 4285: 0844+0914+1609 encrypted msgs ending "SS5I(0)/SS3I(0)"
16623.5	'GWPWZ'	BN Rio de Janeiro, BRA	ALE: 1636 tfc
16824.0	KEM	Nikolski R, Umnak I., ALS	DIG
16927.0	UIW	Kaliningrad R, RUS	ITA2 50 Bd: 1000+1630 navigational warnings
16976.0	PWZ	BN Rio de Janeiro, BRA	ITA2 75 Bd: 1900 wx
17065.5		NATO digital data station	STANAG 4285: 1131 encrypted tfc
17084.0		NATO digital data station	STANAG 4285: 1635 encrypted tfc
17122.8		NATO digital data station	STANAG 4285: 1138+1204 encrypted tfc
17232.0		Digital data station	FSK 50 Bd: 0857 tfc
17336.4	KEM	Nikolski R, Umnak I., ALS	DIG
17366.4	KEM	Nikolski R, Umnak I., ALS	DIG
17988.0	NOJ	USCG Kodiak, ALS	SSB
18224.0	WNU	New Orleans R, LA, USA	GW-FSK: 0545+1256 tfc
18317.0		Digital data station	FSK 50 Bd: 0900 tfc
18624.0	WQL 1952	Sailmail R, W.ville., CA, USA	DIG
18764.0	RDL	Smolensk, RUS	CW
18780.0	RDL	Smolensk, RUS	CW
19682.0	KEM	Nikolski R, Umnak I., ALS	DIG
19759.4	CPK	Santa Cruz R, BOL	GW-FSK: 1944 tfc
20268.0		Digital data station	FSK 50 Bd: 0835 tfc
20890.0	NMC	USCG San Franc., CA, USA	SSB
22392.0		Digital data station	FSK 50 Bd: 1430 tfc
22596.5		NATO digital data station	STANAG 4285: 0901 encrypted tfc
22864.0		Digital data station	FSK 50 Bd: 1435 tfc
22917.4	WQL 1952	Sailmail R, W.ville., CA, USA	DIG

Due to the never-ending sunspot minimum with virtually zero solar activity between 2005 and 2010, we've not monitored as many new frequencies as expected. However, there has been a really dramatic increase in solar activity as from Summer 2011, with sunspot numbers up to 208 already on 9 November 2011. At the moment, Maximum Usable Frequencies (MUFs) are above 20 MHz, making the upper half of the HF spectrum usable again. It's been about time! ☺

WAVECOM W-CODE - 05102011osy8422www.klingenfuss.org

File HF-Modes VHF/UHF-DIR VHF/UHF-SUB Satellite FAX & Modems Options Demodulator Favorites Configuration View Window Help

W-FACTOR-III-HAM (CRC:0x0000) Baudrate: 100.00 Ascii NOR Traffic SL1 long 08:19:26

Mode Analysis

05102011osy8422www.klingenfuss.org:1

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5 Oct 2011, 08:15:41 Welcome to SailMail Europe, station R-12
5 Oct 2011, 08:15:41 FHHE de OSY QTC 4 msg 42899 char>
5 Oct 2011, 08:16:15 LAT A047_FHHE was previously sent 2011/10/05 08:08:03
5 Oct 2011, 08:16:19 FS M
5 Oct 2011, 08:16:19 ; FHHE DE OSY QTC: 4 31545 26045
5 Oct 2011, 08:16:23 FC EH FHHE_18 10589 9337 0
5 Oct 2011, 08:16:23 FC EH FHHE_19 10429 9168 0
5 Oct 2011, 08:16:27 FC EH FHHE_16 6613 5405 0
5 Oct 2011, 08:16:31 FC EH FHHE_17 3914 2135 1
    
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05102011osy8422www.klingenfuss.org:2

PERSEUS

ATT: OFF, 10 dB, 20 dB, 30 dB

FRONT-END: Preamp, Preamp, Other

AMPLITUDE: Ref Lev (dBm): 15, Scale (dB/dB): 15

FREQUENCY: 8.422000

Span (kHz) / RBW (Hz): 12.512 / 15.26

CF Step: 50.0 kHz

Wheel Step: 100 Hz

TUNING: Center, Cal

SAMPLING RATE (ks/s): 125, 250, 500, 1000, 2000

INPUT SELECT: Perseus, Wav

PLAYBACK / REC: PBT, Natch, ANotch, CWPeak

Date: Wed 05-Oct-2011 Time: 08:19:26 File:

Demodulator: IQ PB Bandwidth: 4000 Hz

Start Perseus WAVECOM ... PhotoLine - ... DE 08:19

WAVECOM W61PC - 16102011h15_21982www.klingenfuss.org

File HF-Modes VHF/UHF-DIR VHF/UHF-SUB Satellite FAX & Modems Options Demodulator Favorites Configuration View Window Help

HF-ACARS Data Rate: 300.00 bps Slot Length: 1.80 s NOR Sync Msg: All Data 13:53:52

Mode Analysis

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```

16 Oct 2011, 13:37:01 ACARS Mode: 2 Aircraft Registration: N254UP
16 Oct 2011, 13:37:01 NACK Label: A9 -- Deliver ATIS Information
16 Oct 2011, 13:37:01 Block ID: J
16 Oct 2011, 13:37:01 BEGIN OF MESSAGE:
16 Oct 2011, 13:37:01 /ATSUPXA.TI2/CAN ARR ATIS X
16 Oct 2011, 13:37:01 1300Z ZGGG ARR ATIS X
16 Oct 2011, 13:37:01 1300Z EXPECT ILS OR VIS
16 Oct 2011, 13:37:01 ARR RWY 02L AND 02R
16 Oct 2011, 13:37:01 CTN
16 Oct 2011, 13:37:01 DELIVERY FREQ 121.95
16 Oct 2011, 13:37:01 INDEPENDENT PARALLEL
16 Oct 2011, 13:37:01 DEPARTURES
16 Oct 2011, 13:37:01 CAVOK
16 Oct 2011, 13:37:01 WIND 030 DEG 01 MPS
16 Oct 2011, 13:37:01 T 23 /DP 15
16 Oct 2011, 13:37:01 QNH 1015 HPA
16 Oct 2011, 13:37:01 RPT
16 Oct 2011, 13:37:01 END OF MESSAGE
    
```

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```

ACARS Mode: 2 Aircraft Registration: VT-JGS
NACK Label: RA -- Command Aircraft Transmit Diagnostic
Block ID: K
BEGIN OF MESSAGE:
QUDELOZ6E-1WX UPLINK-
- WX RESPONSE
VOMM 161340Z 09008KT 6000 FEW020 29/25 Q1007 NOSIG=
VOBL 161300Z 00000KT 8000 FEW012 SCT020 FEW030CB 25/19 Q1012NOSIG CB
NE=
VAPO 161330Z 29004KT 6000 -TSRA SCT030 FEW040CB BKN
END OF MESSAGE
    
```

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```

11:24:21 ACARS Mode: 2 Aircraft Registration: HZ-AQF
11:24:21 NACK Label: 27
11:24:21 Block ID: 6
11:24:21 BEGIN OF MESSAGE:
11:24:21 M08BSV0365/ICE NONE
11:24:21 END OF MESSAGE
    
```

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```

11:23:16 BEGIN OF MESSAGE:
11:23:16 M08ASV0365SVA3C02 POSWX 0365/16/16 OEJN/IDTTA .HZ-AQF
11:23:16 /POS KATAB /OVR 1115
11:23:16 /LOC ABM/ALT 380/FOB 0453/MCH 820/SAT -52
11:23:16 /POS DTAA /OVR 1400
11:23:16 /POS
11:23:16 /WIND 274093/TRB SMOOTH /SKY CLEAR
11:23:16 END OF MESSAGE
    
```

16102011h15_21982www.klingenfuss.org:3

```

ACARS Mode: 2 Aircraft Registration: ZS-SFE
NACK Label: 4Z
Block ID: E
BEGIN OF MESSAGE:
FLT NO SA550
BAY C3
GPU AVAIL. (Y/N) N
NEXT ETD 1155
SA559/SAME ACFT
CPD 2XWCHRS ON REQ
B RGDS ZUR JNB
END OF MESSAGE
    
```

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```

ACARS Mode: 2 Aircraft Registration: 9V-SLL
NACK Label: 31
Block ID: B
BEGIN OF MESSAGE:
SINOC SQ 161106 SAFIYAHUSSAIN
MI337
BAY ASSIGNMENT
MI337 BAY T2 E2 OPT MI488 DEP 1300Z/16 STP
END OF MESSAGE
    
```

Signal Input

AFIF#1
AFIF#2
AFIF#3
IF70#4

Demodulator: IQ Shift: 2000 Hz Center: 1440 Hz Offset: 0 Hz Input: AFIF#1

Start WAVECOM ... Windows Tas... D:\ W I N ... Microsoft Word WAVECOM-Gr... 13:54

WAVECOM W61PC - 13112011h15_21982www.klingenfuss.org_2

HF-ACARS Data Rate: 300.00 bps Slot Length: 4.20 s NOR Traffic 12:25:22

13112011h15_21982www.klingenfuss.org_2:2

```

13 Nov 2011, 12:02:00 ACARS MESSAGE IN AIRMASTER FORMAT
13 Nov 2011, 12:02:00 ACARS Mode: 2 Aircraft Registration: B-LID
13 Nov 2011, 12:02:00 NACK Label: C1 -- Uplink To Cockpit Printer
13 Nov 2011, 12:02:00 Block ID: M
13 Nov 2011, 12:02:00 BEGIN OF MESSAGE:
13 Nov 2011, 12:02:00 .DDLIRXA 131156
13 Nov 2011, 12:02:00 AGH
13 Nov 2011, 12:02:00 AN B-LID/HA 748A
13 Nov 2011, 12:02:00 - DEST INFO BOM
13 Nov 2011, 12:02:00 BAY G4
13 Nov 2011, 12:02:00 END OF MESSAGE
  
```

UT2012- sorted by Freq.

Freq.	Callsign	Station	Country	Modulation	Details
21973.0		AMS		SSB	
21973.0	+H13+	Santa Cruz Air	BOL	DIG	ACARS
21976.0		AMS		SSB	
21979.0		AMS		SSB	
21982.0		AMS		SSB	
21982.0	+H15+	Muhuroq Air	BHR	DIG	ACARS
21985.0		AMS		SSB	
21988.0		AMS		SSB	
21988.0	+H13+	Santa Cruz Air	BOL	DIG	ACARS
21991.0		AMS		SSB	
21991.0	+H14+	Krasnoyarsk Air	RUS	DIG	ACARS

13112011h15_21982www...

```

BEGIN OF MESSAGE:
B-LID CX17 13NOV11
VABB:BOM 27 EDNO 4XT
LDA : 9728FT / 2965M
+33C 1009HPA OHEAD
MAN LAND FLAP OPT
4 REVERSERS DRY
WARNING:
RWY NOTAMED CLOSED.
SEE NOTAMS FOR DETAILS.
----- 747-40
END OF MESSAGE
  
```

13112011h15_21982www...

```

BEGIN OF MESSAGE:
0ERF -----
ADVISORY LANDING DATA:
ALW 279.0
LANDING FLAPS: F30
VREF30+5 157
DVREF 0
SPD INCR 0
VAPP 157
BRK SETTINGS (FT/M)
MAX MAN 5300/1615
MAX AUTO 6318/1925
AUTOBRK 4
END OF MESSAGE
  
```

13112011h15_21982www...

```

BEGIN OF MESSAGE:
7716/2351
AUTOBRK 3 9024/2750
AUTOBRK 2 RWY TOO SHORT
AUTOBRK 1 RWY TOO SHORT
INCL 1500FT AIR DIST AND
15 PCT SAFETY MARGIN
----- 747-400ERF -----
DISPATCH REQUIREMENT:
MLW 321.5 F25
ver 11461186LI
END OF MESSAGE
  
```

The 2012 Super Frequency List

Databases | Text files | About

- QldFreq Formerly active frequencies
- UT2012 Utility stations 2012
- BC2012 Broadcast stations 2012

Exit

Demodulator: IQ Shift: 2000 Hz Center: 1440 Hz Offset: 0 Hz Input: AFIF#1

WAVECOM W-CODE - 06112011_9hd224985www.klingenfuss.org

GW-FSK Baudrate: 100.00 INW Sync 08:54:20

06112011_9hd224985www.klingenfuss.org:1

Status: Message exchange

Call: 9HD Station: Valetta Radio

```

06 Nov 2011, 08:22:02 FORMAT SPECIFIER: Calling to an individual station
06 Nov 2011, 08:22:02 ADDRESS (MMSI): 605050505
06 Nov 2011, 08:22:02 LINK QUALITY: 050
06 Nov 2011, 08:22:02 COUNTRY: Algeria
06 Nov 2011, 08:33:38 Call: 9HD Station: Valetta Radio
06 Nov 2011, 08:33:39 Call: 9HD St PERSEUS
06 Nov 2011, 08:33:42 FORMAT SPECIFIER: Ca
06 Nov 2011, 08:33:42 ADDRESS (MMSI): 6050
06 Nov 2011, 08:33:42 LINK QUALITY: 050
06 Nov 2011, 08:33:42 COUNTRY: Algeria
06 Nov 2011, 08:33:52 FORMAT SPECIFIER: Ca
06 Nov 2011, 08:33:52 ADDRESS (MMSI): 6050
06 Nov 2011, 08:33:52 LINK QUALITY: 050
06 Nov 2011, 08:33:52 COUNTRY: Algeria
06 Nov 2011, 08:33:53 Call: 9HD St
06 Nov 2011, 08:33:53 Call: 9HD St
06 Nov 2011, 08:34:50 FORMAT SPECIFIER: Ca
06 Nov 2011, 08:34:50 ADDRESS (MMSI): 2350
06 Nov 2011, 08:34:50 LINK QUALITY: 330
06 Nov 2011, 08:34:50 COUNTRY: United King
06 Nov 2011, 08:34:59 FORMAT SPECIFIER: Ca
06 Nov 2011, 08:34:59 ADDRESS (MMSI): 2356
06 Nov 2011, 08:34:59 LINK QUALITY: 330
  
```

Signal Input

AF (LEFT)
AF (RIGHT)
AF (LEFT+RIGHT)
IQ (LEFT&RIGHT)

FRONT-END

AMPLITUDE
Ref Lev (dBm) 15

FREQUENCY
22.498499

Span (kHz) / RBW (Hz)
1.564 / 1.91

CF Step
50.0 kHz

Wheel Step
100 Hz

TUNING
450.1 Hz

SAMPLING RATE (ks/s)
125 250 500 1000 2000

INPUT SELECT
Perseus Wav

PLAYBACK / REC
Date: Sun 06-Nov-2011 Time: 08:54:20 File:

Demodulator: MS Shift: 198 Hz Center: 1663 Hz Offset: 0 Hz Input: IQ (LEFT&RIGHT)