



# Worldwide List of HF Beacons

(Updated July 2019)

This list was created and maintain by Martin Harrison G3USF, when he was the Region 1 HF Beacon Coordinator.  
The list is now maintained by Dennis Green, ZS4BS. Please notify errors/changes to [zs4bs@iaru-r1.org](mailto:zs4bs@iaru-r1.org)

? = Activity uncertain; INT = Intermittent; PT=Part-time; IRREG = Irregular; UC = Under Construction; (T)NonOp = (Temporarily) NotOperational; OP? = Operational?; V = Varies; EXP = Experimental; WkEnd = Weekends during daylight; LT = Local Time; SYNCH = frequency sharing synchronised beacons: SYNCHn current sequence N4ESS (0,00 seconds), N4ES (0,20), WB4WOR (0,30), K7EK (0,40), N4ES (0,50). SYNCHx: K4UKB ID at 00 seconds and K4FUM at 30 seconds. ## K6FRC transmits on 28 245, 28 250, 28 300  
+++ 10 minutes constant carrier followed by ID  
zzz GB3WES at H+1, H+16 etc and GB3ORK at H+2, H+17 etc. Transmissions have a stepped power sequence.

IARU Region 1 discourages beacon operation on 1,8 MHz  
IARU Region 1 discourages beacon operation on 3,5 MHz (DK0WCY, OK0EU OK!  
IARU Region 1 discourages beacon operation on 7 MHz (OK0EU, OK0EP OK!  
IARU Region 1 discourages beacon operation on 10 MHz (DK0WCY excepted)

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
1810,5	YR2TOP	Zlatita	KN94RU	100	Inv Vee		A1	24
1853	OK0EV	Near Prague	JN79EV	0,1	25m Vert	Omni	A1	PT
1875	DL3KR		JO63LV	5	Dipole		A1	PT
3570	YO8RIX	Near Dorohoi	KN37FW	300mw	Lazi Loop	Omni	A1	24
3576,8	IZ3DVW	Monselice	JN55VF	0,5	Inv Vee		A1	IRREG
3579	DK0WCY	Scheggerott	JO44VQ	30	Dipole		A1	PT/zz??
3579,8	SM2IUF	Kalix	KP15NU	QRPP				15 - 07 UTC

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
3594,5	OK0EU	Panska Ves	JO70GM	100 mw	Mag Loop	N - S	A1	24
3600	OK0EN	Near Kladno	JO70AC	150mw	LW 41 m	SE - NW	A1	24
5195	DRA5	Scheggerott	JO44VQ	30	Dipole		A1	06 - 24 LT
5195	DRA5	Scheggerott	JO44VQ	30	Dipole		PSK,RTTY	24
5205,25	LX0HF	Junglinster	JN39DR	5	Dipole		A1	24
5289,5	OV1BCN	10 km S Soroe	JO55SI	30	32 m F, Dip @ 1 m		USB/MT63	H + 4, 19, 34, 49
5290	ZS6SRL	Johannesburg	KG33WV	?			WSPR	
5290	ZS4AFV	Bloemfontein	KG30BV	250 mW	Int Vee		WSPR	24
5290,5	OV1BCN	?						
5290	GB3WES	Cumbria	IO84QN	10<158 uw	Inv Vee		A1 + PSK	24
5290	GB3ORK	Orkney	IO89JA	10<158 uw	Inv Vee		JT9A	24
5291	HB9AW	Sursee	JN43BA	10/5/1/,1/,001	1/2 Dip		A1 + PSK	5 m cycle
7003	ES1VHF		KO29IK	?				
7034,8	PT9BCN		GG29RN	12			A1	OP?
7038,5	OK0EU	Panska Ves	JO70GM	1	Mag Loop	N - S	A1	OP?
7039,1	SK7CQ	TEST						
7039,2	IK1HGI	Cerano	JN61MM	0,1	QRSS			
7039,4	OK0EPB	Prague	JO70EC	10	Dipole@22m		A1	24
7039,8	IZ3DVW	Monselice Padua	JN55VF	0,5	Inv Vee		A1	24
7047,5	YD0MWK		OI33MQ	5	Inv Vee @ 15 m		A1	Planned
10130	OK1IF	Liberec	JO70HG	0,5			A1	?
10133	SA6RR	Oxaback	JO67KI	0,5	GP	Omni	A1	INT

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
10133,5	HB4FV			0,5	H-pole		A1	?
10137,2	IK3NWX	Near Monselice	JN55VB	4,2	Rot Dipole	E - W	A1	24
10138,7	WSPR beacons around here							
10140	WSPR beacons around here							
10142,51	IK1HGI	Tricati	JN45IK	0,1	Dipole		QRSS3	OP?
10144	DK0WCY	Scheggerott	JO44VQ	30	Dipole		A1, PSK, RTTY	24 zz
10145	OK0EF			0,5				OP?
14097	WSPR beacons around here							
14100	4U1UN	UN NY	FN30AS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	VE8AT	Eureka, Nunavut	EQ79AX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	W6WX	Mt Umunhum, CA	CM97BD	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	KH6RS	Laie, Oahu	BL10TS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	ZL6B	Nr Masterton	RE78TW	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	VK6RBP	Rolystone	OF87AV	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	JA2IGY	Mt Asama	PM84JK	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	RR9O	Novosibirsk	NO14KX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	VR2B	Hong Kong	OL72CQ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	4S7B	Colombo	NJ06CR	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	ZS6DN	Pretoria	KG44DC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	5Z4B	Kiambu	KI88MX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	4X6TU	Tel Aviv	KM72JB	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	OH2B	Lohja	KP20BM	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	CS3B	Santo da Serra	IM12OR	100 - 0,1	Vertical	Omni	A1	T Nonop
14100	LU4AA	Buenos Aires	GF05TJ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
14100	OA4B	Lima	FH17MW	100 - 0,1	Vertical	Omni	A1	T Nonop

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
14100	YV5B	Caracas	FK06NK	100 - 0,1	Vertical	Omni	A1	T Nonop
18095	YO8RIX	Nr Dorohoi	KN37FW	150mw	Lazi Loop	Omni	A1	24
18095,5	HP1AVS	Cerro Jefe	FJ09HD	2	Inv Vee		A1	24
18100	IK6BAK	Montefelcino	JN63KR	0,1	Inv Vee	Omni	A1	?
18102	I1M	Bordighera	JN33UT	10	Vert	Omni	A1	24
18104,6	WSPR beacons around here							
18110	4U1UN	UN, NY	FN30AS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	VE8AT	Eureka,Nunavut	EQ79AX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	W6WX	Mt Umunhum, CA	CM97BD	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	KH6RS	Laie, Oahu	BL10TS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	ZL6B	Nr Masterton	RE78TW	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	VK6RBP	Rolystone	OF87AV	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	JA2IGY	Mt Asama	PM84JK	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	RR9O	Novosibirsk	NO14KX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	VR2B	Hong Kong	OL72CQ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	4S7B	Colombo	NJ06CC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	ZS6DN	Pretoria	KG44DC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	5Z4B	Kiambu	KI88MX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	4X6TU	Tel Aviv	KM72JB	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	OH2B	Lohja	KP20BM	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	CS3B	Santo da Serra	IM12OR	100 - 0,1	Vertical	Omni	A1	T Nonop
18110	LU4AA	Buenos Aires	GF05TJ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
18110	OA4B	Lima	FH17MW	100 - 0,1	Vertical	Omni	A1	T Nonop
18110	YV5B	Caracas	FK60NK	100 - 0,1	Vertical	Omni	A1	T Nonop

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
21068	SK7OB				V,Dipole			IRREG
21094,6	WSPR beacons around here							
21145,7	IZ3DVW	Nr Monselice	JN55VF	2,6	Inv Vee, Dipole		A1	24
21149	F5ZHL		JO10SI					IRREG
21150	4U1UN	UN, NY	FN30AS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	VE8AT	Eureka, Nunavut	EQ79AX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	W6WX	Mt Umunhum, CA	CM97BD	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	KH6RS	Laie, Oahu	BL10TS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	ZL6B	Nr Masterton	RE78TW	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	VK6RBP	Rolystone	OF87AV	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	JA2IGY	Mt Asama	PM84JK	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	RR9O	Novosibirsk	NO14KX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	VR2B	Hong Kong	OL72CQ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	4S7B	Colombo	NJ06CC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	ZS6DN	Pretoria	KG44DC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	5Z4B	Kiambu	KI88MX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	4X6TU	Tel Aviv	KM72JB	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	OH2B	Lohja	KP20BM	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	CS3B	Santo da Serra	IM12OR	100 - 0,1	Vertical	Omni	A1	T Nonop
21150	LU4AA	Buenos Aires	GF05TJ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
21150	OA4B	Lima	FH17MW	100 - 0,1	Vertical	Omni	A1	T Nonop
21150	YV5B	Caracas	FK60NK	100 - 0,1	Vertical	Omni	A1	T Nonop
21151	I1M	Bordighera	JN33UT	10	2 5/8 Vert	Omni	A1	24
24920	IY4M	Bologna	JN54QK				A1	H+30>H+60m
24930	4U1UN	UN, NY	FN30AS	100 - 0,1	Vertical	Omni	A1	IBP Cycle

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
24930	VE8AT	Eureka,Nunavut	EQ79AX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	W6WX	Mt Umunhum, CA	CM97BD	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	KH6RS	Laie, Oahu	BL10TS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	ZL6B	Nr Masterton	RE78TW	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	VK6RBP	Rolystone	OF87AV	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	JA2IGY	Mt Asama	PM84JK	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	RR9O	Novosibirsk	NO14KX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	VR2B	Hong Kong	OL72CQ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	4S7B	Colombo	NJ06CC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	ZS6DN	Pretoria	KG44DC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	5Z4B	Kiambu	KI88MX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	4X6TU	Tel Aviv	KM72JB	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	OH2B	Lohja	KP20BM	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	CS3B	Santo da Serra	IM12OR	100 - 0,1	Vertical	Omni	A1	T Nonop
24930	LU4AA	Buenos Aires	GF05TJ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
24930	OA4B	Lima	FH17MW	100 - 0,1	Vertical	Omni	A1	T Nonop
24930	YV5B	Caracas	FK60NK	100 - 0,1	Vertical	Omni	A1	T Nonop
24931	7Z1CQ	Jeddah	KL91ON	5	Vert, Dip	Omni	A1	IRREG
28163	VK3XPT	Lang Lang	QF21SR		1/4 Vert			
28169	ZB2TEN	Gibraltar	IM76HD	4	1/4 Vert	Omni	A1	24?
28171	XE1FAS	Publa, PU	EK09UB	12	Dipole		A1	24
28173	IZ1EPM	27km NE Turin	JN35WD	20	1/2 Vert	Omni	A1	24
28174	VE1VDM		FN85AA				A1	?
28175	VE3TEN	Ottawa, ON	FN25	10	GP	Omni	A1	24
28176,9	HP1RCP	Cerro Jefe	FJ09HD	5	Slope Dipole		A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28177	IW1AVR	Cravanzana		5	Vertical		A1	?
28178	IQ0GV		JN61TR				A1	?
28180,3	I1M	Bordighera	JN33UT	5 W / 20 W	2 × 5/8 Vert	Omni	A1	30/60min
28182,4	SV3AQR	Amalias	KM07QS	4	GP	Omni	A1	24
28183,2	XE1RCS	Cerro Gordo	EK09OS	8	AR10	Omni	A1	24
28184	VE2REA	Quebec, QC	FN46IT				A1	24
28185	VA3SRC	Burlington, ON	FN03BH	5	Dipole		A1	PT
28187,6	VE7KC	Penticton, BC	DN09EL				A1	24
28188	OE3XAC	Kaiserkogel	JN78SB	20	7/8 GP @ 750 m	Omni	A1	24
28188,1	JE7YNQ	Fukushima	QM07					24
28188,9	SV5TEN	Raad	KM46CK	5	Vertical	Omni		24
28189,5	LU2DT	Mar del Plate	GF12	5	Vert, Dipole	Omni	A1/PSK	
28189,8	LU8XW	Ushuaia	FD55UE					?
28190	LU3HFA	Cordoba, CD	FF78UP	5	Vertical	Omni	A1	24?
28190	LU4VI	Villa Regina	FF60VI				A1	24
28191,5	A62ER	Sharjah, UAE	LL75QI				A1	OP?
28192	EP4HR	Shiraz	LL69GP	20/2/0,2	Dipole		A1	24
28193	EI7GR		IO53MG					?
28192,9	VE4ARM	Austin, MB	EM09HW	5	GP	Omni	A1	24
28193,5	A47RB	Oman	LL93FO	10	Vertical	Omni	A1	OP?
28193,5	LU2XPK		FF66DE				A1	?
28193,9	IW4EIR		JN54AS	1,5			A1	?
28194	IW4ERI		JN54AS					
28195,1	IY4M	Bologna	JN54QK	20	5/8 GP	Omni	A1	H>H+30m
28196	VA3ITA	Bramton, ON	FN03CW				A1	IRREG
28196,1	LU4JJ	Concordia, ER	GF08XO				A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28196,7	LU5FB	Rosario, SF	FF97PB				A1	24
28197	VE7MTY	Vancouver, BC	CN89	5	Vertical	Omni	A1	24
28197,7	IK3OTW						A1	?
28193	LU2ERC	Ensenada	GF15AD	10	Vertical	Omni	A1	24
28198	LU9FE		FF98GR					?
28199	LW6DJD	La Plata	GF15AC	5			A1	?
28199,3	LU1FHH	El Trebol, SF					A1	24
28200	4U1UN	UN, NY	FN30AS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	VE8AT	Eureka,Nunavut	EQ79AX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	W6WX	Mt Umunhum, CA	CM97BD	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	KH6RS	Laie, Oahu	BL10TS	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	ZL6B	Nr Masterton	RE78TW	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	VK6RBP	Rolystone	OF87AV	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	JA2IGY	Mt Asama	PM84JK	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	RR9O	Novosibirsk	NO14KX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	VR2B	Hong Kong	OL72CQ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	4S7B	Colombo	NJ06CC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	ZS6DN	Pretoria	KG44DC	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	5Z4B	Kiambu	KI88MX	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	4X6TU	Tel Aviv	KM72JB	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	OH2B	Lohja	KP20BM	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	CS3B	Santo da Serra	IM12OR	100 - 0,1	Vertical	Omni	A1	T Nonop
28200	LU4AA	Buenos Aires	GF05TJ	100 - 0,1	Vertical	Omni	A1	IBP Cycle
28200	OA4B	Lima	FH17MW	100 - 0,1	Vertical	Omni	A1	T Nonop
28200	YV5B	Caracas	FK60NK	100 - 0,1	Vertical	Omni	A1	T Nonop
28200,5	VA3GMT	Toronto					A1	?



Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28200,8	AC7AV	Oak Harbor, WA					A1	?
28201	N7JUB						A1	?
28201	WB9OTX		EN55				A1	?
28201,3	PU2SUT	Sao Paulo	GG66TB	20	Dipole		A1	?
28202	WN2WNC	New Berlin, NY	FN22IO				A1	
28202,5	KA3BWP	Stafford, VA	FM18GK				A1	24
28203	K4MTP	Tannersville, PA					A1	
28203	PY2WFG	Ipisanga, SP	GG77FF				A1	24
28203	KB1QZY	Springfield, MA	FN32QC	2	lmax2000 V	Omni	A1	24
28203	KG8CO	Clinton, MI	EN82AB	5	Vertical	Omni	A1	24
28203	N6DXX	Sacramento, CA	CM98FM				A1	?
28203	K4MTP		FN21TA				A1	
28203,5	K6LLL	Mission Viejo, CA	DM13EO				A1	24
28202	SV2HNE		KN10LL	5	GP			?
28204	WA2NTK	Big Flats, NY	FN12NE			E-W	A1	24
28204V	WL7N	Ward Cove, AK	CO45KK				A1	?
28204	KE4TWI	Watertown, TN	EM66VO	5			A1	24
28204	W0WF	St Charles, MO	EN02QB				A1	?
28204	W6CF	San Francisco	CM87UU		A1	24		
28204	KA1KNW	Windsor	CT	FN31RU	10	A1	?	
28205	DL0IGI	Hohenpeissenberg	JN57MT	Varies	1/4 Vert	Omni	A1	24
28205,2	VN3NIA	Ridgway, PA	FN01PK	4	Dipole		A1	24
28205,9	HS0BBD	Bangkok	OK13					?
28206,1	VA3GRR	Brampton, ON	FN03	1,75	1/2 Vert	Omni	A1	24
28206,3	K9EJ	Toledo	EM59UG	2	Vert @ 4 m	Omni	A1	24
28206,5	HP1RIS	Panama City	FJ09GA	3	Vert Dipole	Omni	A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28207	ON0RY	Binche	JO20CK	5	Vertical	Omni	A1	24
28207,3	KW7HR	Pasco, WA	DN06KG		A1	24?		
28207,8	W4CND	Jemison, AL	EM63QA	2	Vertical	Omni	A1	24
28208	KE6TE	Elk Grove, CA	CM98HK				A1	OP?
28208	AK2F	Randolph, NJ	FN20QT				A1	share
28208	WN2A	Budd Lake, NJ	FN20OU				A1	AK2F
28208,1	JROYAN	Nr Toyama	PM86JW	25	Hor,Loop		A1	24+++
28208,2	IZ3LCJ	St Lucia di Piave	JN65DU	5	1/4GP@15m	Omni	A1	QRT?
28208,5	NB7A	Reno, NV	DM09BM				A1	24
28208,7	N8PVL	Livonia, MI	EN82GJ				A1	24?
28209	KH6AP	Kikei Maui, HI	BL10SS	20	3/8 Vert	Omni	A1	24
28209,5	K9CW	Thomasboro. IL	EN50WF	2	AR99@15'	Omni	A1	24
28209,8	KV6Q	San Diego	DM12JS	3			A1	?
28210	PT2SSB	Brasilia	GH64CI				A1	?
28210	KB9UGA	Egg Harbor, WI					A1	24
28210	NJ4R						A1	?
28210,2	SB7W							?
28210,4	NT4F	Wilmington, NC	FM14AE	5			A1	24
28210,5	VE4TEN	Kelowna, BC		2	1/2 Vert	Omni	A1	24
28211	DB0FKS	Nr Frankfurt/M	JN40IT	0,2	DV27 Vert	Omni	A1	OP?
28211	K5ARC	Galvez, LA	EM40	20	Vertical	Omni	A1	24?
28211	CE1TUW	Antofagasta	FF46RQ				A1	?
28211,1	LA4TEN	Nr Hellvik	JO28WL	250	Vertical	Omni	A1	24
28211,5	VK4ADC	New Beith, QLD		10/5/2/1	1/4 Vert	Omni	A1	24
28211,5	VK4WSS	Mt Cotton, QLD						24
28211,8	AC7GZ	Chandler, AZ	DM43				A1	?

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28212	W4AMA		EM63WA				A1	?
28212	7Z1AL	Dammam	LL56BK	10	Vertical		A1	OP?
28212,5	K0KP	Fredenberg, MN	EN36VW	0,5	GP	Omni	A1	OP?
28212,5	KJ4QYB	Rainbow City, AL	EM63WO				A1	?
28212,6	LU7DQP	Lanos Oest, BA	GF05TH				A1	24
28213	WA5SAT		EL09				A1	?
28213,3	KD8RKJ	Cleveland, OH	EN91CK	2	Vertical	Omni	A1	24
28213,5	KE4KAA	Big Stone Gap, VA	EM86OV	5			A1	24
28213,5	W3IK	Gray, TN	EM86				A1	24
28213,8	KF5KBZ	Austin, TX	EM10FB				A1	?
28213,8	WA5SAT		EL09					?
28214	N4PAL	Longwood, FL	EL98HQ	5	Vert@4,5m	Omni	A1	24?
28214	LA9TEN	Snertingdal	JP50EV	10	5/8 GP	Omni	A1	24
28214,5	FR1GZ	Reunion Island	LG79RC					IRREG
28215	LU5EGY	Buenos Aires	GF05QI				A1	24
28215	N8MIE		EM44				A1	?
28215	SR5TDM		KO01KX				A1	?
28215	KA9SZX	Paxton, IL	EN50VD	1	Antron99	Omni	A1	24
28215	W4JPL	Liberty. NC	FM05FV				A1	24
28215	GB3RAL	Nr Didcot	IO91IN	25	HorizDip	Omni	F1	24
28215,3	XE3D	Merida, YUC	EL50EG				A1	24
28215,5	KD5CKP	Olive Branch, MS	EM54BW	3	Vertical	Omni	A1	24
28215,8	K6WKX	Santa Cruz, CA	CM86XX	10	Horiz Dipole	Omni	A1	24
28216	K3FX	Neptune City, NJ	FN20XE	7	1/2 Vert	Omni	A1	24
28216	N7MA	Cataldo, ID	DN17SN	5	Vertical	Omni	A1	24
28217	LA2BCN	Telemark	JO48GX	8	5/8 Vert	Omni	A1	24\$\$\$

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28126,1	LA2BCN	Telemark	JO48GX	8	5/8 Vert	Omni	WSPR	24
28217	WBOFTL	Alden, MN	EN33FP	5	AR10@25'	Omni	A1	24
28217	W6GY	Star, ID	DN13RP				A1	24
28217,5	WA1LAD	West Warick, RI	FN41FQ	4,5	J-Pole	Omni	A1	24
28217,5	W8MI	Mackinaw MI	EN75	0,5	Vertical	Omni	A1	24
28218	IQ5MS	Marina da Massa	JN54AA		Vertical	Omni	A1	24
28218,3	AC0KC	Fort Lupton, CO	DN70OA	qrpp			A1	?
28218,3	KD8RKJ	Cleveland, OH		2	Vertical	Omni	A1	?
28218,3	KJ4LAA	Decatur, AL	EM64LN	3	Vertical	Omni	A1	?
28218,5	W5RDW	Murphy, TX	EM12QX	5	AR10@25'	Omni	A1	24
28218,6	KA4RRU	Catlett, VA	FM18EN				A1	24
28218,8	KN8DMK	Amanda, OH	EM89OO	3	Slope Dipole	NW/SE	A1	?
28219,6	PY2UEP		GG58GA				A1	?
28219,9	KB9DJA	Mooreville, IN	EM69RO	35	GP	Omni	A1	24
28220	5B4CY	Mandria	KM64KU	15	GP	Omni	F1	24
28220	W8VO	Sterling Hts, MI	EN82NU	5	Vert@50'	Omni	A1	OP?
28220	K4AQXI		FM03IL				A1	?
28220,4	WK4DS	Trenton, GA	EM74FU	2	Dipole	NE-SW	A1	24
28220,5	YM7KK	Giresun	KN90IV	4			A1	24
28220,5	N5FUN	Caroltton, TX	EM12				A1	?
28220,8	SV2MCG	Thessaloniki	KN10FC				A1	?
8221	WE4S	Rock Springs, CA					A1	24
28221,5	KC0TKS	Sedalia MO	EM38IQ	5	J-poleVert	Omni	A1	24
28221,5	GW7HDS		IO81IP	3			A1	IRREG
28221,9	W1DLO	Calais, ME	FN65JE	10	A99 Vert	Omni	A!	24
28222	TP2CE	Strasbourg	JN38VO	450mw	GP-7000	Omni	A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28222	K6JCA	Carmel Valley CA	CM96DN	A1				QRT?
28222	IZ0KBA	Castel Madama	JN61KX	4	GP 350 m ASL	Omni	A1	24
28222,2	W4KLP						A1	?
28222,8	N4QDK	Sauratown Mt, NC	EM95	3	dipole		A1	24
28223	WY5B	Biloxi, MS	EM50NK				A1	24
28223	9H1LO	Malta	JM75	8	GP		A1	Irreg
28223	KP3FT	Ponce, PR	FK68	4	Vertical	Omni	A1	24
28223,3	XE3ACB	Hecelchakan	EL40				A1	24?
28223,5	KK6RE	Chico, CA	CM96VG				A1	?
28223,6	PB5A		JO21DE				A1	?
28224	WDOAKX	Albert Lea, MN	EN33	5	Vertical	Omni	A1	24
28224	WA3RNC	Lewistown, PA	FN10FO				A1	24
28224,2	YB9BWN	Denpasar, Bali	OJ13FK	2	Dipole	EU/VK	A1	24
28224,7	HA5BHA	Nr Budapest	JN97KO	5		Omni		24
28224,8	KW7Y	Marysville, WA	CN88SD	4	Vertical	Omni	A1	24
28224,8	IT9EJW	Sicily	JM77NN	3			A1	
28224,8	NT6T	Goleta, CA					A1	?
28225	YM7TEN		KN91RB	1	Vertical	Omni	A1	24
28225	K6FRC	Angels Common, CA	CM97GP		Vertical	Omni	A1	24??
28225	K5GJR	Corpus Christi TX	EL17HR				A1	24
28225,4	KC0JCA	St Louis, MO					A1	?
28225,5	W2DLL	Nr Buffalo, NY	FN02PP	8	1/2 Vert	Omni	A1	24
28225,6	WB0LYV	Beatrice, NE	EN10		Delta Loop		A1	?
28226	ED1YCA		IN73AL	5	H Loop	Omni	A1	24
28226	PU4CBX	Baraco de Cocais	GH80DB				A1	Irreg
28226,2	WA6HXW	Westn Covina, CA	DM14AB				A1	irreg

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28226,5	N7MSH	North Powder, OR	DN15				A1	24
28226,6	KC6WGN	Las Vegas, NV	DM26LD	10	Omni	A1	24	
28226,6	PY2RFF	Sco Pedro, SP	GG67AL	1,5	1/4 Vert	Omni	A1	24
28226,7	KU4A	Lexngton, KY	EM78SB				A1	?
28227	VE9AT	White Head Island	Head	0,1	Dipole		A1	OP?
28227	KJ4HYV	Zellwood, FL	FL				A1	24
28227,5	KC5MO	Austin, TX	EM10BF	2	Dipole		A1	24
28227,7	IW3FZQ	Monselice, PD	JN55VF	5	J-Pole@20m	Omni	A1	24
28228	ZL3TEN	Rolliston	RE66	10	1/2 Vert	Omni	A1	TNonOp
28228	OH5TEN	Kouvola	KP30HV	4	Horiz	Dip	A1	24
28228,3	TG9TEN		EK44				A1	OP?
28228,8	N3PV	Spring Valley CA	DM12LP				A1	24
28229	ZL2MHF	Nr Wellington	RE78NU	10	1/2 Vert	Omni	F1	24
28229	NG9Y	Vevay, IN	EM78LR				A1	?
28229,3	KA2LIM	Pine Valley, NY	FN12NP	NY			A1	?
28229,7	IQ8CZ	Catanzo	JM88HV	10	GP	Omni	A1	24
28230	WA4ZKO	Dry Ridge, KY	EM78PP	4	A99	Omni	A1	24
28230,5	AA0RQ	Pine, CO					A1	?
28230?	KI4AED	Ocoee, FL	EL98FN	5	Antron 99	Omni	A1	24
28230	KQ4TG	Leland, NC	FM40XF				A1	24
28230,5	HP6RCP	Santiago	EJ98MB	3	AR99	Omni	A1	IRREG
28231	F5ZEH		IN88VA	,5/5/50	1/2 V ,3-el Yagi		A1	24
28231,8	WA4FC	Prince George, VA	FM17HD	5	Ringo@200'	Omni	A1	24
28232	N1FSX	Simla, CO	DM89AC	5	Vertical	Omni	A1	24
28232,6	N9BPE	Tuscaloosa, IL	EM59UT	2	1/2 Dip @20'	Omni	A1	24
28232,7	N2MH	West Orange, NJ	FN20UT				A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28233	N2UHC	St Paul, KS	EM27JM	4	Vert Dipole	Omni	A1	24
28231,6	SV2AHT	Hortiatis	KN10NO				A1	24
28232,3	W7SWL	Tucson, AZ		5	Vertical	Omni	A1	?
28233	I0KNQ	Genzano di Roma	JN61FU	2	Turnstile	Omni	A1	24
28233	KB9GSY	Hammond, IN	EN61FP				A1	24
28234	K4DP	Covington, VA	FM07AR				A1	IRREG
28234,3	K4DXY	Birmingham, AL	EM63PP	2			A1	?
28234,8	VE1CBZ	Keswick Ridge, NB	FN65	2	A99 Vert	Omni	A1	24
28235	KI4AED	Ocoee, FL	EL98FN	5	Antron 99	Omni	A1	24
28235	KK6RE	Chico, CA					A1	?
28235	NP4LW	San Sebastian	FK68MI	15	Vertical		A1	?
28235	KQ4FM	Southlake, TX	EM12JW	5	GP		A1	24
28235	OY6BEC	Faroe Islands	IP62	20	Yagi		A1	24
28235,1	KI4HOZ	Pickens, SC	EM83XM				A1	?
28235,6	VE3GOP	Mississauga, ON	FN03GD	0,2	A99 Vert	Omni	A1	24
28236	W8YT	Martinsburg, WV	FM19AJ	5	Vertical	Omni	A1	24
28236,5	W0KIZ	Nr Denver, CO	DM79	5	Vertical	Omni	A1	24
28237	K7TIA	Houston, TX					A1	?
28237,5	WA2NEW	Beach Haven, NJ					A1	?
28237,6	LA5TEN	Nr Oslo	JO59JP	15	1/2 Vert	Omni	A1	24
28237,8	K7ZSA	Alger, WA	CN88UO	5	Vertical	Omni	A1	24?
28238	KB2SEO	Eton, GA	EM74OT	5	1/4 GP	Omni	A1	24
28239	VA7PL	Crystal Mountain	DM09	5	GP	Omni	A1	24
28239	PP6AJM	Nosso Senhora da Socorro	HH19LD					?
28239,2	AL7FS	Anchorage, AK	BP51BD	3	1/2 Vert	Omni	A1	PT
28239,5	WA3HGT	Montoursville PA	FN11MG					

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28239,8	N4LEM	Cocoa, FL	EL98	50	Vertical	Omni	A1	?
28239,8	IZ8RVA	Agropoli, SA	JN70LI				A1	24?
28240	I0KNQ	Rome	JN61FU				A1	24
28240	XE3OAX	Ocotlan, OAX	EK17PA	0,5?	+ sev,spurii		A1	24
28240,11	WE6Z	Granite Bay, CA	CM98JS	4	Vertical	Omni	A1	24
28240,5	N2DWS	Port Republic NJ	FM29SM				A1	24
28240,5	W4RKC	Winchester, VA	FM09VD	5	1/2 Vert	Omni	A1	24
28240,6	YO2X	Timisoara	KN05PS	2	GP	Omni	A1	09 - 15 UTC
28240,7	AJ8T	Sturgis, MI	EN71HS				A1	24
28241,5	F5ZUU	Malataverne	JN24IL	5	1/2 Vert	Omni	A1	24
28241,5	K5DZE	Erlanger, KY	EM78QS	5			A1	24
28242	IZ8DXB	Naples	JN70LN	6			A1	24?
28242,5	WD9CVP	Elgin, IL	EN52UA				A1	24
28242,7	F5ZWE	Foix	JN02TW	15	Vert Dipole	Omni	A1	24
28243	AA1SU	VT	FN34KL				A1	24
28244	WA6APQ	Long Beach, CA	DM13	30	Vertical	Omni	A1	24
28244	GB3TEN	Fleetwood	IO83LV	0,4	Dipole	Omni	F1A	24
28244,5	DV2FQN		KN10FC	5	GP			24?
28245	EB4YAK		IN80FK					24?
28245	DB0TEN	Bomlitz	JO42TW	2	1/2 GP	Omni	A1	24?
28245,6	SV2AHT	Hortiatis	KN10NO	24				
28246	VE9BEA	Crabbe Mntn, NB	FN66	6	AR10@43'	Omni	A1	QRT
28246	KG2GL	Nutley, NJ	FN20UT	5	R5 Vert @4'	Omni	A1	INT
28246,2	KI4LEV	Clarksville, TN	EM66	5			A1	?
28247	K6EMI		DM13AU				A1	?
28247,9	N1ME	Bangor, ME	FN54PS	5			A1	24



Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28248	K5DZE	Newman, GA					A1	?
28248,5	K5DDJ	San Antonio, TX	EL09	0,5	GP	Omni	A1	24
28249	N7LT	Bozeman, MT	DN45LQ	4/,4/,04	1/2 GP	Omni	A1	24
28249	KA3JOE	Bensalem, PA	FN29MB				A1	?
28249,1	ER1TEN	Chisinau	KN47IB	4	Vertical	Omni	A1	24
28249,5	PY3PSI	Porto Alegre	GF49KX	2,8	GP	Omni	A1	IRREG
26249,8	W4CJB	Santa Rosa Beach, FL	EM60WR				A1	?
28249,9	W3ATV	Trevoze, PA	FN20	1	Dipole		A1	24
28250	K1GND	Johnston, RI	FN41FT				A1	
28250	UB6LGR		JN54				A1	IRREG
28250	K8NDB	Somerton, AZ	DM22QQ	4	1/4 Vert	Omni	A1	24
28250	N4ES	Tampa, FL	EL88TA	20/2/,2/,02	Horiz		A1	SYNCH)n
28250	N4ESS	Zephyrhills, FL	EL88VG	A1			A1	SYNCH)n
28250	WB4WOR	Greensboro, NC	FM06BT	20/2/,2/,02	Horiz	Hor	A1	SYNCH)n
28250	K7EK	Graham, WA	CN87TB	25	1/2 Vert	Omni	A1	SYNCH)n
28250	N4ES	Clearwater, FL	EL88PA	20/2/,2/,02	Horiz	Horiz	A1	SYNCH)n
28250	K6FRC	Sutter Buttes, CA	CM97GP	10	Vertical	Omni	A1	24??
28250	K0HTF	Des Moines, IA	EN31DO	3	Inv,V@10'		A1	OP?
28251	AC0MO	Hutchinson, KS	EM18				A1	?
28251,15	WA4GEH	Clayton NC	FM05SN				A1	OP?
28251,1	ED4YAK		IN80FK	5	Vertical	Omni	A1	24
28251,5	KE5JXC	Pecan Island, LA	EL39SP	5	Vertical	Omni	A1	24
28252	WA2DVU	Cape May, NJ	FM29NC	NJ			A1	24
28252,5	K7OC	Fort Worth, TX	EL29	3,3	Vertical		A1	24
28252	WW9EE	Tremont, IL	EN50GK		A1	?		
28252,5	W6PC/4	Ocala, FL	EL89VD	10	Dipole	Omni	A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28253	N3BSQ	Bethel Park, PA					A1	24?
28253	ED5YAU		IM98WN	5	Vertical	Omni	A1	24
28253	KG4YUV	Crandall, GA	EM74OW	7	A99 Vert	Omni	A1	24
28253	K8HWW	Warren, MI	EN82MN	3			A1	24?
28253,8	XE1USG	Puebla	EK09VB				A1	?
28254	W4CJB	Pt Washington, FL	EM60WR				A1	24?
28254,3	N1FCU	Windham, ME	FN43ST				A1	24?
28254,5	K4JEE	Louisville, KY	EM78				A1	24?
28254,5	K5AHH	Broken Bow, OK	Bow	OK			A1	?
28255	N0AR	St Paul, MN	EM73SW	0,5	1/2 Vert	Omni	A1	24
28255,5	K8HWW	Stirling Heights, MI	EN82MN	3	Vertical	Omni	A1	24
28256	C30P	Andorra	JN02SM	10	R5 Vert@2m	Omni	A1	24
28256	WI5V	Oklahoma City	EM15	0,5			A1	24
28256,5	VK3RMH	25 km NE Melbourne	QF22OH	20 Feb	1/2 Vert	Omni	A1	24
28256,5	K9JHQ	O'Fallon, IL	EM58AM	10	Vertical	Omni	A1	24?
28257V	KB4UPI	Bessemer, AL	EM63MG				A1	24
28257,3	WA2DVU	Cape May, NJ		10	Mosley 57	45	A1	24
28257,5	N5WYN	Seven Points, TX	EM12VI				A1	
28257,5	DK0TEN	Siplingerberg, nr Überlingen		10			F1A	
28257,8	WY5I	Port St Kucie, FL	EL97TF	5	7 dB Coll	Omni	A1	07 - 22:00 LT
28258	EA7JNC	La Linea de la Concepcion	IM76IE	8				24
28258	NM5TW	Albuquerque, NM	DM65RD	5	Vert Dipole	Omni	A1	24
28258,3	N1YPM	Corea, ME	FN64				A1	24
28259	K5TLL	Hattiesburg, MS	EM51GG				A1	?
28259	AB8CL	Arcanum, OH	EN79RA				A1	?
28259	AA4AN	Brentwood, TN	EM65NW	4	Vertical	Omni	A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28259	F5ZVM	Valenciennes	JO10PA	5	3dbi Vert	Omni	A1	24
28259,3	VK5W1	Adelaide	PF95HG	10	GP	Omni	A1	24
28259,3	AF6PI	Indio, CA					A1	
28260	AD5KO	Mena, AR	EM24VS	20	Vert@20'	Omni	A1	24
28260,1	W7LFD/0	Shell Knob, MO		5	Vertical	Omni	A1	?
28260,8	NJ3T	Somerset, PA	FM09LX				A1	24?
28260,8	W5TXR	Schertz, TX	EL09VP				A1	?
28261	N7LF	Corbett, OR	CN85VI				A1	24
28261,5	N4VBV	Sumter, SC	EM93TW	5	Attic Dipole		A1	24
28261,6	RK3XWA	Kaluga	KO84DM	24				
28261,8	VK2RSY	Sydney	QF56MH	25	1/2 Vert	Omni	A1	24
28262	N4HFA	Ocala, FL	EL89VP	3	5/8 GP @ 25'	Omni	A1	24
28262,3	K8TK	Clarklake, MI	EN72TC	2	GP@15'	Omni	A1	24
28262,5	WF4HAM	Altamonte Springs, FL	EL95HP	6	A99@40'	Omni	A1	INT
28263	VK3RRU	Mildura	QF15AT	20			A1	?
28263	ED4YBA	Cuneca	IN80WC	5	GP	Omni	A1	24
28263,5	N5YEY	Kilgore, TX	EM22OJ				A1	24
28263,5	W4JPL	Liberty, NC	FM05EW	4			A1	24
28264	AB8Z	Parma, OH	EN91DJ	5	5/8 Vert	Omni	A1	24
28264	VK6RWA	Carine, WA	OF78WB	20	5/8 Vert	Omni	A1	24
28264,5	K7NWS	Kent, WA	CN87TK	1	GP	Omni	A1	24
28264,5	W5ZA	Shreveport, LA	EM32DJ	3	Vert Dipole	Omni	A1	24
28265	DF0ANN	Moritzberg Hill	JN59PL	5	Dipole	E-W	A1	24
28265	VK4RRC	Woody Point QD	QG62NS	10	Vertical	Omni	A1	24?
28265	KJ3P	Schwenksville PA	FN20GG	5			A1	?
28265	PT9BCN	Campo Grande, MS	GG29RN	12	1/2 Vert		A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28265,4	KR4HO	Lake City, FL	EM80QG	1	Vertical	Omni	A1	?
28265	NC4SW	Zebulon, NC	FM05				A1	24
28265	N7SCQ	Dixon, CA	CM98CK				A1	24
28266,2	KB3ZI	Bloomsberg, PA					A1	24
28266,5	KA1EKS	Millinocket, ME	FN5500	4	A99 GP	Omni	A1	24
28266,5	W5DJT	Pocola, OK	EM25SH				A1	24
28266,6	WN5KNY	Radium Springs NM	DM62LP	24			A1	24
28267	VK7RAE	TAS	QE38DT	10	Vertical	Omni	A1	24
28267,5	W5EFR	Houston, TX	EL29EW	2,75			A1	TQRT
28267,6	OH9TEN	Pirttikoski	KP36OI	20	1/2 GP	Omni	A1	24
28268	KB0QZ	Centralia, MO	EM39WE	5	Vertical	Omni	A1	24
28268	NM0R	St Genevieve, MO	EM47UV		A1		A1	
28268,3	VK8VF	Darwin, NT	PH57KP	25	1/4 Vert	Omni	A1	24
28268,5	KG4GXS	Coral Springs FL	EL96UG	3	Dip@23'	E-W	A1	24
28268,6	K7ZS	Hillsboro, OR	CN85MM				A1	24
28268,8	KD5ITM	Spring, TX		4	G5RV@50'		A1	
28269	WA2SFT	Cookville, TN	FN02OU				A1	
28268,9	AA1TT	Claremont, NH	FN33	5			A1	24
28268,9	SV6DBG	Ioannina	KM09KQ	2	5/8 Vertical	Omni	A1/ RTTY	24
28269,5	W3HH	Nr Ocala, FL	EL89VB	6	Hamstick	Omni	A1	24
28270	VK4RTL	Townsville	QH30JS	5	Vertical	Omni	F1	24
28271	OZ7IGY	Jystrup	JO55WM	10	Halo@90m	Omni	P14/CW	24
28271,7	W4TIY	Dallas, GA	EM73OW	4	¼ over 5/8	Omni	A1	24
28271,8	SV2HQL	Katakali-Grevens	KM09UV	5	5/8 GP	Omni	A1	24
28272,3	N1KON	Centerville, IN	EM79LT	5	Vertical	Omni	A1	24
28271,9	AC0RR	Springfield, MO	EM37IE				A1	?

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28272	PY1RJ	San Goncalo, RJ	GG87ME	4			A1	24
28272,5	K5BTV	Cumming, GA	EM74	0,25	HF6V Vert	Omni	A1	24
28273	PY4MAB	Pocos de Caldas	GG68RE	2	Dipole		A1	24
28273	AC4DJ	Eustis, FL	EL98EU	20	Ringo	Omni	A1	24
28273	WF4HAM	Altamont Spr, FL		10	Ringo		A1	?
28273	DB0BER	Berlin		5	Dipole	Omni	A1	24
28274	LW1DZ	Escobar, BA	GF05OQ	10	Loop		A1	24
28274,7	N0UD	Halliday, ND	DN87SH				A1	24
28275	PY2EMG	Jacarel, SP	GG76AQ				A1	?
28275	NP2SH	St John, VI	FK78OI				A1	?
28275	KG4GVV	Summerville, SC	EM93		Vertical	Omni	A1	24
28276}	K4UKB	Danville, KY	EM77NP	10	5/8 Vert	Omni	A1	SYNCHx
28276}	K4FUM	Stone Mntn, GA	EM73WU				A1	SYNCHx
28276,5	XE2YBG	Victoria Tamaulipas	EL03				A1	?
28277	WB7RBN	Pasco, WA	DN06ig				A1	24
28277	WI4L	Dalton, GA	EM74MS				A1	24
28277	WD8AQS	Fremont, MI	EN73AL				A1	24
28277,3	KD4MZM	Sarasota, FL	EL87RG	3	Ringo@15'	Omni	A1	24
28277,6	DM0AAB	Nr Kiel	JO54GH	12	GP	Omni	F1	24
28278	WA4OTD	Carmel, IN	EM69	5	Indoor	Dip	A1	24
28278,2	KE4IFI	Lexington, SC	SC				A1	24
28278,5	WA6MHZ	Crest, CA	CA		Ringo@20'	Omni	A1	24
28279	DB0UM	Schwedt	JO73CE	2	SlopeDipV	Omni	A1	24
28280	KA3NXN	Charlottesville	FM08SA				A1	24
28280	K5AB	Goldthwaite, TX	EM01	20	5/8 GP @ 45'	Omni	A1	24
28280	PU5AAD	Nova Brasilia	GG51PS	10			A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28280	N6SPP	Concord, CA	CM97	10	Vert Dipole	Omni	A1	24
28280,5	WB6FYR	Quartz Hill, CA	DM04VP	10	5/8 Vert	Omni	A1	24
28281	W8EH	Middletown, OH	EM79TL	7,5	Vert@40'	Omni	A1	
28281,2	IK6ZEW	Pescara	JN72OK				A1	?
28281,5	W4HEW	Milledgeville GA	EM94LX				A1	24
28282	LA6TEN	Kirkenes	KP49XQ	10/1/,1	Omni		A1	OP?
28282	HP1ATM	Santiago	EJ98				A1	24
28282	XE2ES	Mexicali	DM22RP				A1	24
28282	N2IFC	Allamuchy					A1	?
28282,6	OK0EG	Hradec Kralove	JO70WE	10	GP	Omni	F1	24
28282,8	WOERE	Fordlan, MO	EM36	5	Vertical	Omni	A1	24
28283	K7YSP	Gainsville, GA	EM84AH				A1	24
28283,6	KC9GNK	Madison, WI	EN53	4	Inv Vee		A1	24
28283,8	W5OM		DN28	98	3-el		A1	IRREG
28284	K2XG	Monticello, KY	EM76NU	5	V,Dip@25'	Omni	A1	24
28284,8	WD8AQS	Fremont, MI	EN73AL	5			A1	24
28284,8	WA3IIA	Bloomsberg, PA	FN11TA				A1	24
28284,5	KB9NK	Hudsonville, MI	EN72BU				A1	24?
28285	VP8ADE	Adelaide Is	FC52WK	10	1/4 Vert	Omni	A1	24
28285	W7IEW	Olympia, WA	CN87MC				A1	24?
28285	KD0GZJ	Loveland, CO	DN70KJ	1	Vertical		A1	24
28285	PT9BCN	Campo Grande, MS	GG29RN	1	Vertical	Omni	A1	24
28285,3	K5DRG	Lago Vista, TX	EM10CM				A1	?
28285,8	WA4ROX	Largo, FL	EL87	0,75			A1	24
28285,8	W0ILO	Fargo, ND	EN16					A1
28286	WI6J	Bakersfield, CA	DM05JJ	5	Vertical	Omni	A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28286	N5AQM	Chandler, AZ	DM43AH	2	Vertical	Omni	A1	24
28286	N2PD	Middletown, NY	FN21	5			A1	?
28286,7	K3XR	Sinking Spring PA	FN10XH				A1	?
28287	GB3XMB	Nr Waddington	IO83SV	10	V,Dip@800'	Omni	F1A	24
28287	W6WTG	Bakersfield, CA	DM05MJ				A1	24
28287,3	W2SDX	Buffalo, NY	FM18LV				A1	
28287,5	N8PUM	Ishpeming, MI		0,5	Loop		A1	24
28288	WA7LNW	Harmony Mesa, UT	DM37	5	F Wave Loop	EU/PAC	A1	24
28288	K4LJP	W Palm Beach FL	EL96	5	AR99@30'	Omni	A1	24
28288	RA3ATX		KO85NX					OP?
28288,5	ND3E	Newcastle, DE					A1	24
28289	KB9WA	Egg Harbor, WI					A1	
28289	WB5BXZ	Hattiesburg, MS					A1	?
28289	WJ5O	Nr Columbus, AL	EM72NE	2	Yagi	NE	A1	24
28289,5	N1KXR	Medway, MA	FN32	5			A1	24
28289,8	W0ERE	Highlandville MO	EM36HX	Varies			A1	24
28289V	PS8RF	Teresina, PI	GI84OW				A1	24
28290	N6UN	San Diego, CA	DM12	5			A1	24
28290,3	WB4WOR	Randleman, NC	FM06BT	3	Vertical	Omni	A1	24
28291	K5TLJ	Trumann, AR	EM45RQ	20			A1	?
28291	W6NIF	Fresno, CA			GP @ 25 Ft	Omni	A1	?
28291,8	N5MAV	Midland, TX					A1	
28292	VA3VA	Windsor, ON	EN82	5	Horiz Dipole		A1	24
28292,3	NH6HI	Kaleheo, HI		2			A1	24
28292,5	KM4GS	Kentucky Lake KY	EM56	0,5	Vertical	Omni	A1	24
28292,5	SKOCT	Sollentuna	JO89XK	10	GP	Omni	A1	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28292,8	K7GFH	Damascus, OR	CN85SJ	3	Attic Dipole		A1	24
28293,4	ND4Z	Gilbert, SC	EM94JA	5	5/8@40'	Omni	A1	24
28293,7	W4DJD	Woodbridge, VA	FM18HP				A1	24
28294	K7RON	Peoria, AZ	DM33				A1	24
28294	KE4IAP	Woodbridge, VA	FM18HP				A1	24
28295	KD1ZX	CentralFallsRI	FN41HV	4	Vert@10'	Omni	A1	24
28295	PU5ATX	Santa Catarina	GG51PR		Dipole		A1	06 to 23:50
28295,1	SK2TEN	Kristineberg	KP08FC	5	Vertical	Omni	A1	OP?
28295,4	K1SPD	La Vergne, TN	EM65RX			A1	24	
28295,5	K4IT	Flatwoods, KY	EM88PM	3,5		Dipole	A1	24
28295,5	IZ0CWW	Cervaro, FR	JN61VL	3				24
28295,7	W9MUP	WI	EN52				A1	?
28295,8	W3APL	Laurel, MD	FM19NE	10	Hor,Dipole	NE/SW	A1	24
28296	KA7BGR	Central Point OR	CN82				A1	24
28296,2	W5JDG	Washington, TX					A1	24
28297	NS9RC	Northfield, IL	EN62CC	5	1/2V@30'	Omni	A1	24
28297,8	WA3BM	Valencia, PA	PA	FN00SQ			A1	24
28298	V73TEN	Roi Namur I	RJ39RJ		Horiz OA50	Omni		24?
28298	K5TLL	Hattiesburg, MS	EM51GG	5	Vertical	Omni	A1	24
28298,15	WZ8D	Blachester OH	EM89OO				A1	24
28298,1	SK7GH	Bor	JO77BF	5			A1	24
28298,1	K7PO	Tenopah AZ	DM32	0,5	Vertical	Omni	A1	24
28298,5	K7FL	Battle Ground, WA	CN85SS	4	Horiz	Loop	A1	24
28298,6	K4JDR	Raleigh, NC	FM05	10	Vertical	Omni	A1	24
28299	N1SCA	Palm Bay, FL	EL97QX				A1	24
28300	K6FRC	Sutters Mntn, CA	CACM99				A1	24##



Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28300	HL1ZLL	Seoul	PM37MM	85	1/4 Vert	Omni	A1	24
28300	IK6ZEW	Pescara	JN72CK	0,4	Vertical		A1	?
28300	KF4MS	Tallahassee, FL	EM70VM	10	A99@25'	Omni	A1	24
28300,3	PU5ZAA	Novegentes	GG53QE	3			A1	24
28301	PI7ETE	Amersfoort	JO22QD	0,5	Vertical	Omni	F1A	24
28320,97	IZ8HUJ	Pignola PZ	JN70VN	0,4	Windom			?
28321	I1YRB	Torre Bert (TO)	JN35UB	0,2	Vertical	Omni	QRSS3	24
28321,2	IS0GOV	Cagliari	JM49NF	0,3	Vertical	Omni	QRSS3	24
28321,2	IK3ERY	Vittorio, Veneto	JN65DX	0,1	Vertical	OMNI	QRSS3	24
28321,47	IZ1GJH	Casarza Lig, GE	JN44RG	0,1	Vertical	Omni	QRSS3	24
28321,65	IN3KLQ	Nr Trento	JN56RG	0,3	Vertical	Omni	QRSS3	24
28321,7	IW4EMG	Ferrara	JN54RU	0,1			QRSS3	24
28321,8	I3GNQ	Tencarola, PD	JN55VJ	0,4	GP	Omni	QRSS3	24
28321,85	IK0IXI	Aprilia LT	JN62VB	0,1	Dipole@30m	NE/SW	A1/F1	24
28321,86	IZ8JFA	Cosenza	JM89CH	0,3		N/NE	QRSS3	24
28321,94	IW9BAJ	Sicily	JM77NO	1			QRSS3	24
28321,95	IW0HK	Civitavecchia	JN52WD	1/,1	1/2 Vert	Omni	QRSS3	24
28321,7	IZ1TAA	Nr la Spezia	JN54AC	0,1	Dipole	NW	QRSS3	24
28322	IQ3QR		JN55XR	0,5			QRSS3	24
28322	IZ7AVU	Brindisi	JN80XP					?
28322,2	IZ5ILK		JN63BN	0,05	5/8 Vert	Omni	?	?
28322	IZ0ANE	Cassino		0,1				?
28322,01	IW1QIF	Davagna-Genova	JN44LL	0,1	Long Wire		QRSS3	24
28322,04	IT9YAF	Canicatti	JM67WI	0,1	Vertical	Omni	QRSS3	24
28322,05	IK1HGI	Trecate	JN45IK	0,1	Dipole	NNW/SSE	QRSS3	24
28322,08	IS0GSR	Nr Cagliari	JM49IN	0,1	Dipole	N-S	QRSS3	24

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
28322,11	IK8YTN	Salerno	JN70LG	0,1	Int Vee	E-W	QRSS3	24
28322,18	IZ0HCC	Roma	JN61FT	0,1	Vertical	Omni	QRSS3	?
28322,2	IK8SUT	Salerno	JN70JQ	0,1	Inv Vee	E - W	QRSS3	24
28322,2	IW7DEC	Nr Bari	JN81GF	0,1	1/2 Vert	Omni	QRSS3	24
28322,32	IW9FRA	Trapani,Sicily	JM68HA	0,1	Dipole	N-S	QRSS3	24
38322,36	IW3SGT	Trieste	JN65VP				QRSS3	24
28322,45	IW4EMG	Nr Ferrara	JN54RW		Vertical	Omni	QRSS3	?
28322,62	IK1BPL	Novara	JN45HK	0,1	GP	NNW/SSE	QRSS3	24
28322,63	IK0VVE	Nr Latina	JN61KN	0,1	Dipole	NNW/SSE	QRSS3	24
28322,7	G3ZJG	Nr Leicester					QRSS3	PT
29010	DU1EV	Metro, Manila		100	Vert GP	Omni		

### Schedule of IBP/NCDXF Beacon Transmissions

Country	Call	14100	18110	21150	24930	28200
United Nations NY	4U1UN	00.00	00.10	00.20	00.30	00.40
Northern Canada	VE8AT	00.10	00.20	00.30	00.40	00.50
USA (CA)	W6WX	00:20	00.30	00:40	00.50	01:00
Hawaii	KH6WO	00.30	00.40	00.50	01.00	01.10
New Zealand	ZL6B	00.40	00.50	01.00	01.10	01.20
West Australia	VK6RBP	00.50	01.00	01.10	01.20	01.30
Japan	JA2IGY	01.00	01.10	01.20	01.30	01.40
Siberia	RR9O	01.10	01.20	01.30	01.40	01.50
China	VR2HK	01.20	01.30	01.40	01.50	02.00
Sri Lanka	4S7B	01.30	01.40	01.50	02.00	02.10
South Africa	ZS6DN	01:40	01.50	02:00	02:10	02:20
Kenya	5Z4B	01.50	02.00	02.10	02.20	02.30
Israel	4X6TU	02:00	02:10	02:20	02.30	02:40
Finland	OH2B	02:10	02:20	02:30	02:40	02:50
Madeira	CS3B	02.20	02.30	02.40	02.50	00.00
Argentina	LU4AA	02:30	02:40	02:50	00.00	00:10
Peru	OA4B	02.40	02.50	00.00	00.10	00.20
Venezuela	YV5B	02:50	00.00	00:10	00:20	00:30

IBP = International Beacon Project. Beacons transmit for ten seconds on each frequency in turn in the sequence shown above. They send call sign at 22 wpm and 100 watts, then four 1-second dashes at 100 w, 10 w, 1 w and 0.1 w. Equipment is TS-50, Cushcraft R-5 multiband vertical and a Trimble Navigation GPS receiver to ensure synchronization, with a control unit built by NCDXF.

### **DK0WCY/DRA5**

zz DK0WCY 3 579 operates 07:20 – 09:00 UTC and 16:00 – 19:00 UTC LOCAL time (i.e. UTC + 1 winter and UTC + 2 summer)  
DRA5 and DK0WCY on 10 144 are currently part-time. Transmissions on 3 579 are CW only, with beacon id interrupted at ten minute intervals by a datagram giving the Kiel K, current fof2 and MUF at Juliusruh and indications of current solar-geophysical events. DRA5 and DK0WCY on 10 MHz carry the CW datagrams but, at 10 minutes after the hour, the datagram transmission is on RTTY and contains additional information on x-ray background and hf2, using RTTY. The H + 50 transmission is PSK31(BPSK) is used.  
During auroral events the carrier at the end of the ID changes to a series of dots.  
See also [www.dk0wcy.de](http://www.dk0wcy.de) .

### **OK0EU**

OK0EU is a cluster of five high-stability transmitters with 4 Hz separation, running for multipoint measurement. The callsign is sent 40 Hz up to identify ionospheric echoes. Output power 1 watt to dipole radiating N-S. Transmitters are on 3 594.492 at Vackov (JO60EF), 3 594.496 Diouha Louka (JO60TP), 3 594.500 Panska Ves (JO70GM), 3 594.504 Pruhonice (JN79GX), 3 594.508 Kasperske Hory (JN69SD)

### **LA2BCN**

LA2BCN operates 10-min cycle. Min 0-1