

1A	Sov. Mil. Order of Malta	CP	Bolivia	J3	Grenada	T8, (21)	Palau	ZD7	St. Helena
3A	Monaco	CT	Portugal	J5	Guinea-Bissau	TA-TC	Turkey	ZD8	Ascension I.
3B6, 7	Agalega & St. Brandon Is.	CT3	Madeira Is.	J6	St. Lucia	TF	Iceland	ZD9	Tristan da Cunha & Gough I.
3B8	Mauritius	CU	Azores	J7	Dominica	TG, TD	Guatemala	ZF	Cayman Is.
3B9	Rodriguez I.	CV-CX	Uruguay	J8	St. Vincent	TI, TE	Costa Rica	ZK2	Niue
3C	Equatorial Guinea	CY0	Sable I.	JA-JS	Japan	TI9	Cocos I.	ZK3	Tokelau Is.
3C0	Annobon I.	CY9	St. Paul I.	JD1(19)	Minami Torishima	TJ	Cameroon	ZL-ZM	New Zealand
3D2	Fiji	D2-3	Angola	JD1(20)	Ogasawara	TK	Corsica	ZL7	Chatham Is.
3D2	Conway Reef	D4	Cape Verde	JT-JV	Mongolia	TL(30)	Central Africa	ZL8	Kermadec Is.
3D2	Rotuma I.	D6(13)	Comoros	JW	Svalbard	TN(31)	Congo (Republic of the)	ZL9	Auckland & Campbell Is.
3DA	Swaziland	DA-DR(14)	Fed. Rep. of Germany	JX	Jan Mayen	TR(32)	Gabon	ZP	Paraguay
3V	Tunisia	DU-DZ	Philippines	JY	Jordan	TT(33)	Chad	ZR-ZU	South Africa
3W, XV	VietNam	E3(15)	Eritrea	K,W,N,	United States of America	TU(34)	Cote d'Ivoire	ZS8	Prince Edward & Marion Is.
3X	Guinea	E4 (43)	Palestine	AA-AK		TY(35)	Benin		
3Y	Bouvet	E5	N. Cook Is.	KG4	Guantanamo Bay	TZ(36)	Mali		
3Y	Peter I I.	E5	S. Cook Is.	KH0	Mariana Is.	UA-UI1,3,4,6	European Russia		
4J, 4K	Azerbaijan	E7 (29)	Bosnia-Herzegovina	KH1	Baker & Howland Is.	RA-RZ			
4L	Georgia	EA-EH	Spain	KH2	Guam	UA2	Kaliningrad		
40(47)	Montenegro	EA6-EH6	Balearic Is.	KH3	Johnston I.	UA-UI8,9,0	Asiatic Russia		
4S	Sri Lanka	EA8-EH8	Canary Is.	KH4	Midway I.	RA-RZ			
4U ITU	ITU HQ	EA9-EH9	Ceuta & Melilla	KH5	Palmyra & Jarvis Is.	UJ-UM	Uzbekistan		
4U UN	United Nations HQ	EI-EJ	Ireland	KH5K	Kingman Reef	UN-UQ	Kazakhstan		
4W (44)	Timor - Leste	EK	Armenia	KH6,7	Hawaii	UR-UZ, EM-EO	Ukraine		
4X, 4Z	Israel	EL	Liberia	KH7K	Kure I.	V2	Antigua & Barbuda		
5A	Libya	EP-EQ	Iran	KH8	American Samoa	V3	Belize		
5B, C4, P3	Cyprus	ER	Moldova	KH8(48)	Swains I.	V4(37)	St. Kitts & Nevis		
5H-5I	Tanzania	ES	Estonia	KH9	Wake I.	V5	Namibia		
5N	Nigeria	ET	Ethiopia	KL,AL,NL,WL	Alaska	V6(38)	Micronesia		
5R	Madagascar	EU-EW	Belarus	KP1	Navassa I.	V7	Marshall Is.		
5T(2)	Mauritania	EX	Kyrgyzstan	KP2	Virgin Is.	V8	Brunei Darussalam		
5U(3)	Niger	EY	Tajikistan	KP3,4	Puerto Rico	VE, VO, VY	Canada		
5V	Togo	EZ	Turkmenistan	KP5(22)	Desecheo I.	VK	Australia		
5W	Samoa	F	France	LA-LN	Norway	VK0	Heard I.		
5X	Uganda	FG	Guadeloupe	LO-LW	Argentina	VK0	Macquarie I.		
5Y-5Z	Kenya	FH(13)	Mayotte	LX	Luxembourg	VK9C	Cocos (Keeling) Is.		
6V-6W(4)	Senegal	FJ(49)	Saint Barthelemy	LY	Lithuania	VK9L	Lord Howe I.		
6Y	Jamaica	FK	New Caledonia	LZ	Bulgaria	VK9M	Mellish Reef		
70(5)	Yemen	FK (45)	Chesterfield Is.	OA-OC	Peru	VK9N	Norfolk I.		
7P	Lesotho	FM	Martinique	OD	Lebanon	VK9W	Willis I.		
7Q	Malawi	FO(16)	Austral I.	OE	Austria	VK9X	Christmas I.		
7T-7Y	Algeria	FO	Clipperton I.	OF-OI	Finland	VP2E(37)	Anguilla		
8P	Barbados	FO	French Polynesia	OH0	Aland Is.	VP2M(37)	Montserrat		
8Q	Maldives	FO(16)	Marquesas Is.	OJ0	Market Reef	VP2V(37)	British Virgin Is.		
8R	Guyana	FP	St. Pierre & Miquelon	OK-OL(23)	Czech Republic	VP5	Turks & Caicos Is.		
9A(6)	Croatia	FR/G(17)	Glorioso Is.	OM(23)	Slovak Republic	VP6	Pitcairn I.		
9G(7)	Ghana	FR/J, E(17)	Juan de Nova, Europa	ON-OT	Belgium	VP6(46)	Ducie I.		
9H	Malta	FR	Reunion I.	OU-OW, OZ	Denmark	VP8	Falkland Is.		
9I-9J	Zambia	FR/T	Tromelin I.	OX	Greenland	VP8, LU	South Georgia I.		
9K	Kuwait	FS	Saint Martin	OY	Faroe Is.	VP8, LU	South Orkney Is.		
9L	Sierra Leone	FT/W	Crozet I.	P2(24)	Papua New Guinea	VP8, LU	South Sandwich Is.		
9M2, 4(8)	West Malaysia	FT/X	Kerguelen Is.	P4(25)	Aruba	VP8, LU,	South Shetland Is.		
9M6, 8(8)	East Malaysia	FT/Z	Amsterdam & St. Paul Is.	P5(26)	DR of Korea	CE9, HF0, 4K1			
9N	Nepal	FW	Wallis & Futuna Is.	PA-PI	Netherlands	VP9	Bermuda		
9Q-9T	Dem. Rep. of Congo	FY	French Guiana	PJ2, 4, 9	Bonaire, Curacao	VQ9	Chagos Is.		
9U(9)	Burundi	G, GX&	England	PJ5-8	St. Maarten, Saba, St. Eustatius	VR	Hong Kong		
9V(10)	Singapore	GD, GT	Isle of Man		Brazil	VU	India		
9X(9)	Rwanda	GI, GN	Northern Ireland	PP-PY	Fernando de Noronha	VU4	Andaman & Nicobar Is.		
9Y-9Z	Trinidad & Tobago	GJ, GH	Jersey	PP0-PY0F	St. Peter & St. Paul Rocks	VU7	Lakshadweep Is.		
A2	Botswana	GM, GS	Scotland	PP0-PY0S	Trindade & Martim Vaz Is.	XA-XI	Mexico		
A3	Tonga	GU, GP	Guernsey	PP0-PY0T	Suriname	XA4-XI4	Revillagigedo		
A4	Oman	GW, GC	Wales	PZ	France	XT(39)	Burkina Faso		
A5	Bhutan	H4	Solomon Is.	R1FJ	Franz Josef Land	XU	Cambodia		
A6	United Arab Emirates	H40 (18)	Temotu Province	R1MV	Malyj Vysotskij I.	XW	Laos		
A7	Qatar	HA, HG	Hungary	S0(1), (27)	Western Sahara	XX9	Macao		
A9	Bahrain	HB	Switzerland	S2	Bangladesh	XY-XZ	Myanmar		
AP	Pakistan	HBO	Liechtenstein	S5(6)	Slovenia	YA	Afghanistan		
B	China	HC-HD	Ecuador	S7	Seychelles	YB-YH(40)	Indonesia		
BS7 (11)	Scarborough Reef	HC8-HD8	Galapagos Is.	S9	Sao Tome & Principe	YI	Iraq		
BV	Taiwan	HH	Haiti	SA-SM	Sweden	YJ	Vanuatu		
BV9P (12)	Pratas I.	HI	Dominican Republic	SN-SR	Poland	YK	Syria		
C2	Nauru	HJ-HK, 5J-5K	Colombia	ST	Sudan	YL	Latvia		
C3	Andorra	HK0	Malpelo I.	SU	Egypt	YN,H6-7,HT	Nicaragua		
C5	The Gambia	HK0	San Andres & Providencia	SV-SZ, J4	Greece	YO-YR	Romania		
C6	Bahamas	HL, 6K-6N	Republic of Korea	SV/A	Mount Athos	YS, HU	El Salvador		
C8-9	Mozambique	HO-HP	Panama	SV5, J45	Dodecanese	YT-YU	Serbia		
CA-CE	Chile	HQ-HR	Honduras	SV9, J49	Crete	YV-YY, 4M	Venezuela		
CE0	Easter I.	HS, E2	Thailand	T2(28)	Tuvalu	YV0	Aves I.		
CE0	Juan Fernandez Is.	HV	Vatican	T30	W. Kiribati (Gilbert Is.)	Z2	Zimbabwe		
CE0	San Felix & San Ambrosio	HZ	Saudi Arabia	T31	C. Kiribati (British Phoenix Is.)	Z3(41)	Macedonia		
CE9/KC4^	Antarctica	I	Italy	T32	E. Kiribati (Line Is.)	ZA	Albania		
CM, CO	Cuba	IS0, IM0	Sardinia	T33	Banaba I. (Ocean I.)	ZB2	Gibraltar		
CN	Morocco	J2	Djibouti	T5, 60	Somalia	ZC4(42)	UK Sov. Base Areas on Cyprus		
				T7	San Marino				

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EB3CXQ
Catalan Amateur Radio Station
CQ Zone: 14 - ITU Zone: 37 -
Grid: JN11bj - Time: GMT +1

BANDA DE 160 METRES
 1.800 1.838 CW, RTTY
 1.830 1.840 LSB DX intercontinental, CW
 1.840 1.850 LSB, CW
 1. 840 2.000 LSB

BANDA DE 80 METRES
 3.500 3.510 DX intercontinental CW
 3.500 3.560 CW, recomanat per concursos CW
 3.560 3.580 CW
 3.580 3.590 RTTY, AMTOR, FACTOR, CW
 3.590 3.600 RTTY, RPQT, CW
 3.600 3.620 LSB, RPQT, CW
 3.620 3.650 LSB recomanat concursos, CW
 3.650 3.730 LSB, CW
 3.730 3.740 SSTV i FAX, fonia, CW
 3.740 3.790 LSB recomanat concursos, CW
 3.790 3.800 LSB, DX intercontinental, CW
 Nota: Les estacions americanes acostumen a cridar per damunt de 3.8 MHz., escoltant als europeus entre 3.6MHz. i 3.8 MHz.

BANDA DE 40 METRES
 7.000 7.035 CW
 7.035 7.040 SSTV, FAX, CW
 7.040 7.045 SSTV, FAX, LSB, CW
 7.045 7.100 LSB, CW
 7.100 7.200 LSB, CW (a títol secundari i potència màxima 24 dBW fins el 29 de març de 2009)

BANDA DE 30 METRES
 10.100 10.140 CW
 10.140 10.150 SSTV, FAX, CW.(LSB només emergències)

BANDA DE 20 METRES
 14.000 14.060 CW, segment per concursos CW
 14.060 14.065 CW QRP
 14.065 14.070 CW
 14.070 14.089 RTTY, FACTOR, AMTOR, CW
 14.089 14.099 Modes digitals (packet no automàtic), CW
 14.099 14.101 IBP - Projecte Internacional de Balises
 14.101 14.112 Modes digitals (BBS), USB, CW
 14.112 14.125 USB, CW
 14.125 14.225 USB(recomanat per concursos)
 14.225 14.235 SSTV, FAX, USB, CW
 14.235 14.300 USB(recomanat concursos), CW
 14.300 14.350 USB, CW

BANDA DE 17 METRES
 18.068 18.100 CW
 18.100 18.109 Modes digitals, CW
 18.109 18.111 IBP - Projecte Internacional de Balises
 18.111 18.168 Fonia, CW

BANDA DE 15 METRES
 21.000 21.080 CW
 21.080 21.100 RTTY, FACTOR, AMTOR, RPQT, CW
 21.100 21.149 CW
 21.149 21.151 IBP - Projecte Internacional de Balises
 21.151 21.335 USB, CW
 21.335 21.345 SSTV, FAX, USB, CW
 21.345 21.450 USB, CW

BANDA DE 12 METRES
 24.890 24.920 CW
 24.920 24.929 RTTY, FACTOR, AMTOR, CW
 24.929 24.931 IBP - Projecte Internacional de Balises
 24.931 24.990 USB, CW

BANDA DE 10 METRES
 28.000 28.050 CW
 28.050 28.120 RTTY, AMTOR, FACTOR, CW
 28.120 28.150 RPQT, RTTY, AMTOR, FACTOR, CW
 28.150 28.190 CW
 28.190 28.199 IBP (regional)
 28.199 28.201 IBP temps compartit (mundial)
 28.201 28.255 IBP en servei continu
 28.255 28.675 USB, CW
 28.675 28.685 SSTV, FAX, USB, CW
 28.685 29.200 USB, CW
 29.200 29.300 RPQT, NBFM, SSB, FM, CW
 29.300 29.550 Baixada satèl·lits
 29.550 29.700 Fonia, Repetidors, CW

PLA DE BANDA DE 50 MHZ (banda de 6m)
 50.000 50.100 CW (a)
 50.020 50.080 Balises
 50.090 Centre d'activitat en CW
 50.100 50.500 Tots els modes en banda estreta (b)
 50.100 50.130 Trucada internacional CW/SSB
 50.110 Freqüència de crida de DX fora d'Europa (c)
 50.150 Centre d'activitat en SSB
 50.185 Centre d'activitat en banda creuada
 50.200 Centre d'activitat en MS
 50.500 52.000 Tots els modes
 50.510 SSTV (AFSK)
 50.550 Freqüència de treball en fax (crida local en FM a UK)
 50.600 RTTY (FSK)
 50.620 50.750 Comunicacions digitals
 51.210 51.390 Entrada repetidors FM (d, e)
 51.410 51.590 FM
 51.510 Freqüència de crida en FM
 51.810 51.990 Sortida repetidors FM (d, e)

PLA DE BANDA DE VHF 144-146 MHZ (banda de 2m)
 144.000 a 144.150 CW
 144.000 a 144.035 CW Rebot lunar
 144.050 Trucada DX
 144.100 Trucada Random MS
 144.140 a 144.150 FAL esporàdica
 144.150 a 144.500 SSB, CW
 144.150 a 144.160 SSB FAL esporàdica
 144.195 a 144.205 SSB Random MS
 144.300 Trucada SSB DX
 144.395 a 144.400 SSB Random MS
 144.400 a 144.490 Reservat per a balises
 144.500 a 144.845 Tots els Modes
 144.500 Trucada SSTV
 144.625 a 144.675 tràfic digital RPQT
 144.700 Trucada FAX
 144.750 tràfic de serveis ATV
 145.000 a 145.175 Entrada Repetidors R0 - R7
 145.200 a 145.575 FM 16 Canals Simplex 145.300 tràfic digital local RTTY
 145.500 Trucada mòbils
 145.600 a 145.775 Sortida Repetidors R0 - R7
 145.800 a 146.000 Servei Satèl·lits

PLA DE BANDA DE UHF 430-440 MHZ (banda de 70cm)
 430.000 432.000 Pla de banda nacional
 430.025 430.375 Sortida repetidors (FRU 1-15)
 430.400 430.575 Enllaços de comunicacions digitals (a)
 430.600 430.925 Repetidors digitals (R 52-65) (a)
 430.950 431.025 Canals multimode (R 66-69) (a, b)
 431.050 431.825 Entrada repetidors (R 70-101)
 431.625 431.975 Entrada repetidors (FRU 1-15)
 432.000 432.800 Segment DX, banda estreta (c)
 432.000 432.150 CW (d)
 432.000 432.025 Rebot lunar
 432.050 Centre d'activitat en CW
 432.150 432.500 SSB, CW
 432.200 Centre d'activitat en SSB
 432.350 Centre d'activitat crida-reposta
 432.400 432.490 Balises
 432.500 SSTV (banda estreta)
 432.500 432.600 Entrada transponders
 432.600 RTTY (FSK/PSK)
 432.600 432.800 Sortida transponders
 432.700 Fax (FSK)
 432.800 432.900 Balises
 433.000 433.375 Entrada repetidors (RU 0-15)
 433.400 434.575 Canals simplex(SU 16-23)
 433.400 SSTV (FM/AFSK)
 433.500 Trucada mòbil(FM)
 433.600 RTTY (FM)
 433.625 433.775 Comunicacions digitals
 433.700 Fax (FM/AFSK)
 434.000 440.000 ATV (e)
 434.600 434.975 Sortida repetidors (RU 0-15)
 435.000 438.000 Servei de satèl·lits.
 438.000 440.000 Pla de banda estatal
 438.025 438.175 Comunicacions digitals
 438.200 438.525 Repetidors digitals (R 52-65) (a)
 438.550 438.625 Canals multimode (R66-69) (a, b)
 438.650 439.425 Sortida repetidors (R 70-101)
 439.800 439.975 enllaços de comunicacions digitals (a)

NOTES AL PLA DE BANDES DE 50-52 MHZ
 (a) La telegrafia està permesa en tota la banda, i en exclusiva entre 50.000 i 50.100 kHz.
 (b) La denominació "banda estreta" es refereix als modes de transmissió que ocupen una amplada de banda no major de 6 kHz.
 (c) La freqüència de crida internacional de 50.110 kHz no ha d'usar-se en cap moment per trucades dins d'Europa.
 (d) L'espaiat de canals en FM és de 20 kHz amb un desplaçament de 10 kHz.
 (e) En aquells països europeus on es permeti la instal·lació de repetidors de FM a la banda de 50 MHz, es recomanen els canals indicats en ordre a establir una uniformitat.
 En aquells països on no es permeten repetidors que operin amb freqüències de sortida per sobre de 51 MHz, les freqüències de sortida poden estar a -500 kHz.

PLA DE BANDA UHF PMR 446
 446.006.25 Canal 1
 446.018.75 Canal 2
 446.031.25 Canal 3
 446.043.75 Canal 4
 446.056.25 Canal 5
 446.068.75 Canal 6
 446.081.25 Canal 7
 446.093.75 Canal 8

BAND PLAN IARU REGION 1

Signal	Question
QRG	Will you indicate my exact frequency in kilocycles?
QRH	Does my frequency vary?
QRI	How is the tone of my transmission?
QRJ	Are you receiving me badly? Are my signals weak?
QRK	What is the legibility of my signals (1 to 5)?
QRL *	Are you busy? I am busy (or busy with....).
QRM *	Are you being interfered with?
QRN *	Are you troubled by static?
QRO *	Must I increase power?
QRP *	Must I decrease power?
QRQ *	Must I send faster?
QRS *	Must I send more slowly?
QRT *	Must I stop transmission?
QRU *	Have you anything for me?
QRV *	Are you ready?
QRW	Must I advise ... that you are calling him on ... kc?
QRX *	When will you call again?
QRZ *	By whom am I being called?
QSA	What is the strength of my signals (1 to 5)?
QSB *	Does the strength of my signals vary?
QSD	Is my keying correct? Are my signals distinct?
QSG	Must I transmit ... telegrams at a time?
QSK *	Shall I continue the transmission of all my traff c?
QSL *	Can you acknowledge receipt?
QSM	Shall I repeat the last telegram I sent you?
QSO *	Can you communicate with ... directy?
QSP	Will you relay to ...?
QSV	Shall I send a series of VVV....?
QSX	Will you listen for ... (call sign) on ... kcs?
QSY *	Shall I change to ... kc without changing the type of wave?
QSZ	Shall I send each word or group twice?
QTA	Shall I cancel nr ... as if it had not been sent?
QTB	Do you agree with my word count?
QTC	How many telegrams have you to send?
QTH *	What is your position (location)?
QTR	What is the exact time?

QST * General call preceding a message address to all amateurs and A.R.R.L. Members. This is in effect "CQ ARRL".
 QRRR Off cial A.R.R.L. "land SOS." A distress call for emergency use only.

A	: . -	T	: -	.	: . - . - . -
B	: - . . .	U	: . . -	,	: - - . . - -
C	: - . - .	V	: . . . -	?	: . . - - . .
D	: - . -	W	: . - -	'	: . - - - - .
E	: . . . -	X	: - . . -	!	: - - . . - -
F	: . . - .	Y	: - . - -	/	: -
G	: - - .	Z	: - - . .	(: - . . - -
H	:	0	: - - - - -)	: - . . - - -
I	: . .	1	: . - - - -	&	:
J	: . - - -	2	: . . - - -	:	: - - - - . .
K	: - . -	3	: . . . - -	;	: - . . - . .
L	:	4	: -	=	: - -
M	: - -	5	:	+	: . - . . .
N	: - .	6	: -	-	: - -
O	: - - -	7	: - -	=	: . . - - - -
P	: . - - .	8	: - - - - . .	=	: . -
Q	: - - . -	9	: - - - - .	\$: -
R	: . - .			@	: . - - . - .
S	: . . .				

MORSE CODE

CODE-Q

Answer, Advice or Order
 Your frequency is ... kc.
 Your frequency varies.
 The tone of your transmission is ...1. Good.2. Variable.3. Bad.
 I cannot receive you. Your signals are too weak.
 The legibility of your signals is ... (1 to 5).
 Please do not interfere.
 I am being interfered with.
 I am troubled by static.
 Increase power.
 Decrease power.
 Send faster ... (words per min.).
 Transmit more slowly ... (w.p.m.).
 Stop transmission.
 I have nothing for you.
 I am ready.
 Please advise ... that I am calling him on ... kc.
 I will call you again at ... hours (on ... kc.).
 You are being called by ...
 The strength of your signals is ... (1 to 5).
 The strength of your signals varies.
 Your keying is incorrect; your signals are bad.
 Transmit ... telegrams (or one telegram) at a time.
 I can hear you between my signals. Continue: I shall interrupt you if necessary
 I am acknowledging receipt.
 Repeat the last telegram you sent me.
 I can communicate with ... direct (or through...).
 I will relay to ... free of charge.
 Send a series of VVV.
 I am listening for ... on ... kcs.
 Change to ... kc. without changing type of wave.
 Send each word or group twice.
 Cancel nr ... as if it had not been sent.
 I don't agree with your word count; I will repeat 1st letter of each word & 1st f gure of each number.
 I have ... telegrams for you or for ...
 My position (location) is ...
 The exact time is ...

EB3CXQ
Catalan Amateur Radio Station
CQ Zone: 14 - ITU Zone: 37 -
Grid: JN11bj - Time: GMT +1

1	Italie	95	Mongolia	189	Mayotte isl
2	U.S.A	96	Tonga isl	190	Seyshelles isl
3	Brazil	97	Israel	191	Swaziland
4	Argentine	98	Singapore	192	Cocos isl Am
5	Venezuela	99	Fidji isl	193	Cocos isl Oc
6	Colombia	100	Korea	194	Dominica isl
7	Neederland Antilles	101	Papua New Guinea	195	Grenada isl
8	Peru	102	Kuwait	196	Guadeloupe isl
9	Canada	103	Haiti	197	Vanuatu isl
10	Mexico	104	Corsica	198	Falkland isl
11	Puerto-Rico	105	Botswana	199	Guinea Equatorial
12	Uruguay	106	Ceuta & Melilla	200	South Schetland isl
13	Germany	107	Monaco	201	Polynesia Fr
14	France	108	Scotland	202	Bhutan
15	Switzerland	109	Hungary	203	China
16	Belgium	110	Cyprus	204	Mozambique
17	Hawaian Isl	111	Jordan	205	Rep of Cape Verde
18	Greece	112	Libanon	206	Ethiopia
19	Neederland	113	West Malaysia	207	St Martin isl
20	Norway	114	Pakistan	208	Glorioso isl
21	Sweden	115	Qatar	209	Juan de Nova isl
22	French Guyana	116	Turkey	210	Wallis & Futuna isl
23	Jamaica	117	Egypt	211	Jan Mayen isl
24	Panama	118	Gambia	212	Aland isl
25	Japan	119	Madeira isl	213	Market Reef
26	England	120	Antigua & Barbuda	214	Congo
27	Iceland	121	Bahamas isl	215	Gabon
28	Honduras	122	Barbados isl	216	Mali
29	Ireland	123	Bermuda isl	217	Chrismass isl
30	Spain	124	Amsterdam & St Paul	218	Belise isl
31	Portugal	125	Cayman isl	219	Anguilla isl
32	Chile	126	Nicaragua	220	St Vincent isl
33	Alaska	127	US Virgin isl	221	South Orkney isl
34	Canary isl	128	BR Virgin isl	222	South Sandwich isl
35	Austria	129	Macquarie isl	223	Western Samoa
36	San Marino	130	Norfolk isl	224	Western Kiribati
37	Dominican Rep	131	Guiana	225	Brunei
38	Greenland	132	Marshall isl	226	Malawi
39	Angola	133	Mariana isl	227	Rwanda
40	Liechtenstein	134	Rep of Belau	228	Chagos isl
41	New Zealand	135	Salomon isl	229	Heard isl
42	Liberia	136	Martinique isl	230	Micronesia
43	Australia	137	Isle of Man	231	St Peter & St Paul Rocks
44	South Africa	138	Vatican city	232	Aruba isl
45	Serbia	140	Antartica	233	Romania
47	Denmark	141	St Pierre & Miquelon isl	234	Afghanistan
48	Saudi Arabia	142	Lesotho	235	I.T.U Geneva
49	Baleares isl	143	St Lucia isl	236	Bangladesh
50	European Russia	144	Easter isl	237	Union of Myanmar
51	Andorra	145	Galapagos isl	238	Cambodia
52	Feroe isl	146	Algeria	239	Laos
53	El Salvador	147	Tunisia	240	Macao
54	Luxembourg	148	Ascension isl	241	Spratly isl
55	Gibraltar	149	Laccadive isl	242	Vietnam
56	Finland	150	Bahrein	243	Agalega & St Brandon isl
57	India	151	Iraq	244	Pagalu isl
58	East Malaysia	152	Maldives	245	Niger Rep
59	Dodecanese isl	153	Thailand	246	Sao Tome & Principe Is.
60	Honk-Kong	154	Iran	247	Navassa isl
61	Ecuador	155	Taiwan	248	Turk & Caicos isl
62	Guam isl	156	Cameroon	249	Noth Cook isl
63	St Helena isl	157	Montserrat isl	250	South Cook isl
64	Senegal	158	Trinidad & Tobago isl	251	Albania
65	Sierra Leone	159	Somalia	252	Revilla Gigeo isl
66	Mauritania	160	Sudan	253	Andamam & Nicobar isl
67	Paraguay	161	Poland	254	Mount Athos
68	North Ireland	162	Zaire	255	Kerguelen isl
69	Costa Rica	163	Wales	256	Prince Edward & Marion Is.
70	American Samoa	164	Togo	257	Rodriguez isl
71	Midway isl	165	Sardinia	258	Tristan da Cunha isl
72	Guatemala	166	St Maarten isl	259	Tromelin isl
73	Surinam	167	Jersey isl	260	Baker & Howland isl
74	Namibia	168	Mauritius isl	261	Chatam isl
75	Azores isl	169	Guernsey isl	262	Johnston isl
76	Morocco	170	Burkina Faso	263	Kermadec isl
77	Ghana	171	Svalbard isl	264	Kingman Reef isl
78	Zambia	172	New Caledonia	265	Central Kiribati
79	Philippines	173	Reunion isl	266	Eastern Kiribati
80	Bolivia	174	Uganda	267	Kure isl
81	St Andrees	175	Chad	268	Lord Howe isl
82	Guantanamo Bay	176	Central Africa Republic	269	Mellish Reef
83	Tanzania	177	Sri Lanka	270	Minami Torishima isl
84	Ivory Coast	178	Bulgaria	271	Nauru Rep
85	Zimbabwe	180	Oman	272	Niue isl
86	Nepal	181	Syria	273	Jarvis & Palmiras isl
88	Cuba	182	Guinea Republic	274	Pitcairn isl
89	Nigeria	183	Benin	275	Tokelau isl
90	Creta isl	184	Burundi	276	Tuvalu isl
91	Indonesia	185	Comoros isl	277	Sable isl
92	Libya	186	Djibouti	278	Wake isl
93	Malta isl	187	Kenya	279	Willis isl
94	United Arab Emirates	188	Malagasy isl	280	Aves isl
				281	Ogasawara isl

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CH	S	Low	Middle	High	S.High
1	26.065	26.515	26.965	27.415	27.865
2	26.075	26.525	26.975	27.425	27.875
3	26.085	26.535	26.985	27.435	27.885
4	26.105	26.555	27.005	27.455	27.905
5	26.115	26.565	27.015	27.465	27.915
6	26.125	26.575	27.025	27.475	27.925
7	26.135	26.585	27.035	27.485	27.935
8	26.155	26.605	27.055	27.505	27.955
9	26.165	26.615	27.065	27.515	27.965
10	26.175	26.625	27.075	27.525	27.975
11	26.185	26.635	27.085	27.535	27.985
12	26.205	26.655	27.105	27.555	
13	26.215	26.665	27.115	27.565	
14	26.225	26.675	27.125	27.575	
15	26.235	26.685	27.135	27.585	
16	26.255	26.705	27.155	27.605	
17	26.265	26.715	27.165	27.615	
18	26.275	26.725	27.175	27.625	
19	26.285	26.735	27.185	27.635	
20	26.305	26.755	27.205	27.655	
21	26.315	26.765	27.215	27.665	
22	26.325	26.775	27.225	27.675	
23	26.355	26.805	27.255	27.705	
24	26.335	26.785	27.235	27.685	
25	26.345	26.795	27.245	27.695	
26	26.365	26.815	27.265	27.715	
27	26.375	26.825	27.275	27.725	
28	26.385	26.835	27.285	27.735	
29	26.395	26.845	27.295	27.745	
30	26.405	26.855	27.305	27.755	
31	26.415	26.865	27.315	27.765	
32	26.425	26.875	27.325	27.775	
33	26.435	26.885	27.335	27.785	
34	26.445	26.895	27.345	27.795	
35	26.455	26.905	27.355	27.805	
36	26.465	26.915	27.365	27.815	
37	26.475	26.925	27.375	27.825	
38	26.485	26.935	27.385	27.835	
39	26.495	26.945	27.395	27.845	
40	26.505	26.955	27.405	27.855	

CB FREQUENCY LIST

Signal	Question
QRG	Will you indicate my exact frequency in kilocycles?
QRH	Does my frequency vary?
QRI	How is the tone of my transmission?
QRJ	Are you receiving me badly? Are my signals weak?
QRK	What is the legibility of my signals (1 to 5)?
QRL *	Are you busy? I am busy (or busy with....).
QRM *	Are you being interfered with?
QRN *	Are you troubled by static?
QRO *	Must I increase power?
QRP *	Must I decrease power?
QRQ *	Must I send faster?
QRS *	Must I send more slowly?
QRT *	Must I stop transmission?
QRU *	Have you anything for me?
QRV *	Are you ready?
QRW	Must I advise ... that you are calling him on ... kc?
QRX *	When will you call again?
QRZ *	By whom am I being called?
QSA	What is the strength of my signals (1 to 5)?
QSB *	Does the strength of my signals vary?
QSD	Is my keying correct? Are my signals distinct?
QSG	Must I transmit ... telegrams at a time?
QSK *	Shall I continue the transmission of all my traff c?
QSL *	Can you acknowledge receipt?
QSM	Shall I repeat the last telegram I sent you?
QSO *	Can you communicate with ... directly?
QSP	Will you relay to ...?
QSV	Shall I send a series of VVV...?
QSX	Will you listen for ... (call sign) on ... kcs?
QSY *	Shall I change to ... kc without changing the type of wave?
QSZ	Shall I send each word or group twice?
QTA	Shall I cancel nr ... as if it had not been sent?
QTB	Do you agree with my word count?
QTC	How many telegrams have you to send?
QTH *	What is your position (location)?
QTR	What is the exact time?
QST *	General call preceeding a message address to all amateurs and A.R.R.L. Members. This is in effect "CQ ARRL".
QRRL	Off icial A.R.R.L. "land SOS." A distress call for emergency use only.

MORSE CODE

A	: . -	T	: -	.	:	. - . - . -
B	: - . . .	U	: . . -	?	:	- - . . - -
C	: - . - .	V	: . . . -	?	:	. . - - . .
D	: - . .	W	: . - -	!	:	- - - - . .
E	: .	X	: - . - -	!	:	- . . - - -
F	: . . - .	Y	: - . - -	/	:	- . . - . .
G	: - - .	Z	: - - . .	(:	- -
H	:	0	: - - - - -)	:	- . . - - -
I	: . .	1	: - . - - -	&	:	. . - . . .
J	: . - - -	2	: . . - - -	:	:	- - - - . . .
K	: - . -	3	: . . . - -	;	:	- . . - . .
L	: . - . -	4	: -	=	:	- . . - . -
M	: - -	5	:	+	:	. . - . . .
N	: - .	6	: -	-	:	- -
O	: - - -	7	: - - . . .	_	:	. . - - - -
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Q	: - - . -	9	: - - - - .	\$:	. . . - . . . -
R	: - . .			@	:	. - - . - .
S	: . . .					

ECB84WBj
Catalan Amateur Radio Station
CQ Zone: 14 - ITU Zone: 37 -
Grid: JN11bj - Time: GMT +1

Answer, Advice or Order
Your frequency is ... kc.
Your frequency varies.
The tone of your transmission is ...1. Good.2. Variable.3. Bad.
I cannot receive you. Your signals are too weak.
The legibility of your signals is ... (1 to 5).
Please do not interfere.
I am being interfered with.
I am troubled by static.
Increase power.
Decrease power.
Send faster ... (words per min.).
Transmit more slowly ... (w.p.m.).
Stop transmission.
I have nothing for you.
I am ready.
Please advise ... that I am calling him on ... kc.
I will call you again at ... hours (on ... kc.).
You are being called by ...
The strength of your signals is ... (1 to 5).
The strength of your signals varies.
Your keying is incorrect; your signals are bad.
Transmit ... telegrams (or one telegram) at a time.
I can hear you between my signals. Continue: I shall interrupt you if necessary
I am acknowledging receipt.
Repeat the last telegram you sent me.
I can communicate with ... direct (or through...)
I will relay to ... free of charge.
Send a series of VVV.
I am listening for ... on ... kcs.
Change to ... kc. without changing type of wave.
Send each word or group twice.
Cancel nr ... as if it had not been sent.
I don't agree with your word count; I will repeat 1st letter of each word & 1st f gure of each number.
I have ... telegrams for you or for
My position (location) is
The exact time is

CODE-Q