

VK3JFP - AMATEUR RADIO QUICK REFERENCE SHEET

Code Used as a Question

QRK - What is the readability of my signals?
QRL - Are you busy?
QRM - Are you being interfered with?
QRN - Are you troubled by static?
QRO - Shall I increase transmitter power?
QRP - Shall I decrease transmitter power?
QRS - Shall I send more slowly?
QRT - Shall I stop sending?
QRZ - Who is calling me?
QRV - Are you ready?
QRX - I will be right back.
QSB - Are my signals fading?
QSL - Can you acknowledge receipt?
QSO - Can you communicate with ... direct?
QSY Shall I change frequency?
QTH - What is your location?

Used as an Answer or statement

The readability of your signals is ...
 I am busy.
 I am being interfered with (M= manmade)
 I am troubled by static (N=noise)
 Increase transmitter power (O=output)
 Decrease transmitter power (P=power)
 Send more slowly (S=slow)
 Stop sending (QRT=quiet)
 You are being called by ...
 I am ready
 Please QRX one.
 Your signals are fading
 I am acknowledging receipt (L=letter)
 I can communicate with ... direct
 Change to another frequency
 My location is (H=home)

BK - Signal used to interrupt a transmission on progress
CQ - General call to all stations
CW - Continuous wave or Morse code
DE - From, used to separate the callsign of the station called from that of the calling station
DX - Distant
K - Invitation to transmit
MSG - Message
PSE - Please
R - Received
RX -Receiver
TX - Transmitter
UR - Your

Shaded areas are cross licence compatible.

Foundation (6 Bands)

Standard (11 Bands)

Advanced (25 Bands)

Band	Freq MHz	Mode	Band	Freq MHz	Mode	Band	Freq MHz	Mode
80m	3.5 – 3.7	Any mode. Where bandwidth >8kHz the max power density =< than 1 watt per 100kHz. * <= 8kHz	80m	3.5 – 3.7	Any. BW <= 8kHz	2200m	.135 - .1378	Any. BW <= 2.1kHz
40m	7 – 7.1 7.1-7.3*		40m	7 - 7.3	As above	630m	.472 - .479	As Above
15m	21 – 21.45		20m	14 – 14.35	As above	160m	1.8 – 1.875	Any. BW <= 8kHz
10m	28 – 29.7	Any mode. As above but >16kHz	15m	21 – 21.45	As above	80m	3.5 – 3.7 3.776 – 3.8	As Above
2m	144 – 148	Any mode.	10m	28 – 29.7	Any. BW <= 16kHz	40m	7 – 7.3	As Above
70cm	430 - 450	Any mode.	6m	52 – 54	As above	30m	10.1 – 10.15	As Above
			2m	144 - 148	As above	20m	14 – 14.35	As Above
			70cm	430 - 450	As above	17m	18.068 – 18.168	As Above
			23cm	1240 - 1300	As above	15m	21 – 21.45	As Above
			13cm	2400 - 2450	As above	12m	24.89 – 24.99	As Above
			6cm	5650 - 5850	As above	10m	28 – 29.7	Any. BW <= 16kHz
						6m	50 - 54	Any. BW <= 100kHz
						2m	144 - 148	Any.
						70 cm	420 - 450	As Above
						23cm	1240 -1300	As Above
							2300 – 2302	
						13cm	2400 2450	As Above
							3300 – 3425 3492.5 3542.5	
						10cm	3575 - 3600	As Above
						6cm	5650 5850	As Above
						3cm	10 – 10.5GHz	As Above
						1.25cm	24 = 24025GHz	As Above
						7.5mm	47 – 47.2GHz	As Above
						3.7mm	76 – 81GHz	As Above
							122.25 –	
						2.5mm	123GHz	As Above
						2mm	134 – 141GHz	As Above
						1.25mm	241 – 250GHz	As Above

Message Telephony Telegraphy

Distress signal: "MAYDAY" SOS
Urgency signal: "PAN PAN" XXX
Safety signal: "SECURITE" TTT

ARRL HF Calling Frequencies (CF)

80m 3.885Mhz AM CF
 3.985Mhz SSB CF
40m 7.285Mhz SSBCF
 7.290Mhz AM CF
20m 14.285Mhz SSB CF
 14.286Mhz AM CF
15m 21.385Mhz SSB CF
10m 28.385Mhz SSB CF
 Just a suggested starting point to look for contacts.

Phonetic Alphabet

A - Alpha	N - November	. - Decimal
B - Bravo	O - Oscar	. - Stop
C - Charlie	P - Papa	
D - Delta	Q - Quebec	0 - Zero
E - Echo	R - Romeo	1 - Wun
F - Foxtrot	S - Sierra	2 - Two
G - Golf	T - Tango	3 - Tree
H - Hotel	U - Uniform	4 - Fower
I - India	V - Victor	5 - Fife
J - Juliet	W - Whiskey	6 - Six
K - Kilo	X - X-ray	7 - Seven
L - Lima	Y - Yankee	8 - Ait
M - Mike	Z - Zulu	9 - Niner

Resistor Colours

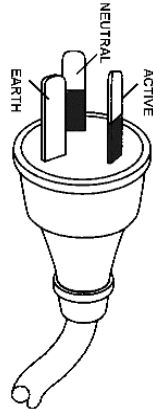
- Black = 0
- Brown = 1
- Red = 2
- Orange = 3
- Yellow = 4
- Green = 5
- Blue = 6
- Violet = 7
- Grey = 8
- White = 9
- Gold = 5%

SSB Convention
 >10MHz use USB
 <10MHz use LSB

Digital All Bands
 RTTY use LSB
 Data mode use USB

2 Metre Convention
 <= 147Mhz use - 600 offset
 >147Mhz use + 600 offset

240 Volt Wiring		
Pin	ISO Std	Old
Active	Brown	Red
Neutral	Blue	Black
Earth	Green/Yellow	Green

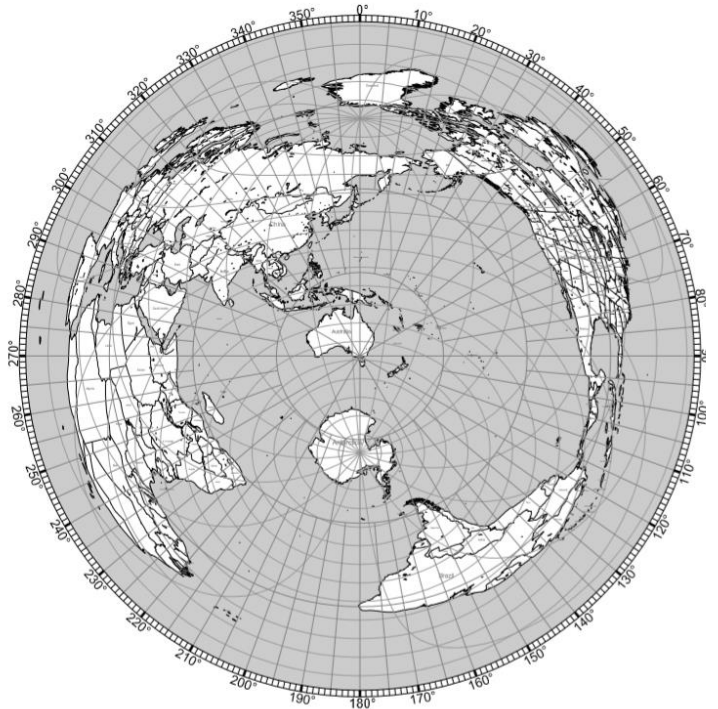


MORSE CODE (CODE ORDER)

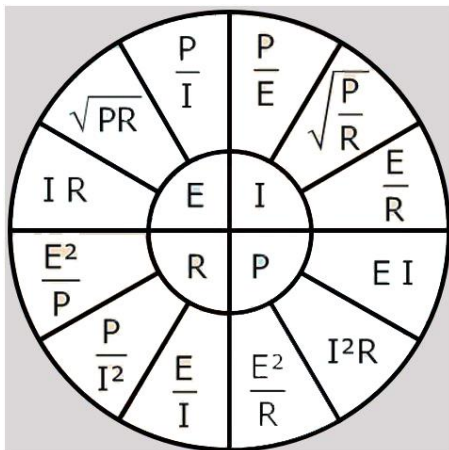
E	•	T	—
I	••	M	—•
S	•••	O	—••
H	••••	N	—••
A	•—	G	•••
U	••—	Z	••••
V	•••—	Q	•••—
W	•—•	D	•••
J	•—••	B	••••
R	•—•	K	•••—
L	••—•	C	••••
F	••••	Y	•••—
P	•••••	X	••••
1	•••••—	6	••••••
2	••••••	7	•••••••
3	•••••••	8	••••••••
4	••••••••	9	•••••••••
5	•••••••••	0	••••••••••

Azimuthal Map

Center: 37°48'48"S 144°57'47"E
 Courtesy of Tom (NS6T)



Amateur Mode	Power Type	Foundation Licence Power Level	Standard Licence Power Level	Advanced Licence Power Level	Advanced Licence High Power Trial Authorisations ²
CW	Mean (pY)	10W	30W	120W	500W
AM (Phone)	Mean (pY)	10W	30W	120W	500W
SSB (Phone)	PEP (pX)	10W	100W	400W	1000W
All Digital Modes ¹	Mean (pY)	NAM*	30W	120W	500W
FM (Phone)	Mean (pY)	10W	30W	120W	500W



- VK0** – Antarctica
- VK1** – ACT
- VK2** – New South Wales
- VK3** – Victoria
- VK4** – Queensland
- VK5** – South Australia
- VK6** – Western Australia
- VK7** – Tasmania
- VK8** – Northern Territory
- VK9** – Australian External Territory
- AX\$** - National Events \$= State number
- VI\$** - Club or local events