

VK3JFP - Amateur Radio Quick Reference Sheet

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 | 80m | 3.5 - 3.7 | Any mode | 2200m | .135 - .1378 | Any mode |
| 40m | 7 - 7.3 | | 40m | 7 - 7.3 | | 630m | .472 - .479 | |
| 15m | 21 - 21.45 | | 20m | 14 - 14.35 | | 160m | 1.8 - 1.875 | |
| 10m | 28 - 29.7 | | 15m | 21 - 21.45 | | 80m | 3.5 - 3.7 | |
| 2m | 144 - 148 | | 10m | 28 - 29.7 | | | 3.776 - 3.8 | |
| 70cm | 430 - 450 | | 6m | 52 - 54 | | 40m | 7 - 7.3 | |
| HF Conventions SSB >10MHz = USB SSB <10MHz = LSB RTTY use LSB | | | 2m | 144 - 148 | | 30m | 10.1 - 10.15 | |
| | | | 70cm | 430 - 450 | | 20m | 14 - 14.35 | |
| | | | 23cm | 1240 - 1300 | | 17 | 18.068 - 18.168 | |
| | | | 13cm | 2400 - 2450 | | 15m | 21 - 21.45 | |
| | | | 6cm | 5650 - 5850 | | 12m | 24.89 - 24.99 | |
| | | | | | 10m | 28 - 29.7 | | |

POWER LIMITS

| Mode | Foundation | Standard | Advanced |
|---------|------------|----------|----------|
| CW | 10W pX | 30W pY | 120W pY |
| AM | 10W pX | 30W pY | 120W pY |
| SSB | 10W pX | 100W pX | 400W pX |
| Digital | 10W pX | 30W pY | 120W pY |
| FM | 10W pX | 30W pY | 120W pY |

Abbreviated Codes

BK - Break
CQ - Call
DE - From.
DX - Distant
MSG - Message
PSE - Please
R - Received
Rx - Receiver

Offset Conventions

<= 147MHz use - 600kHz offset
 >147MHz use + 600kHz offset
 70 cm offset is 5MHz

Q Codes

Answers

| Questions | Answers |
|--------------------------------|---|
| What is my signal readability? | QRK Your signal readability is... (RST) |
| Are you busy? | QRL I am busy. |
| Are you interfered with? | QRM I am being interfered. (Manmade noise) |
| Are you troubled by static? | QRN I have static. (Noise) |
| Shall I increase power? | QRO Increase power. |
| Shall I decrease power? | QRP Decrease power. |
| Shall I send slower? | QRS Send slowly. |
| Shall I stop sending? | QRT Stop sending. (Quiet) |
| Who is calling me? | QRZ You are called by..... |
| Are you ready? | QRV I am ready. |
| Please wait | QRX I am waiting. |
| Are my signals fading? | QSB Your signal is fading. |
| Acknowledge receipt. | QSL I am acknowledging receipt. |
| Can you communicate with? | QSO I can communicate with.... |
| Shall I change frequency? | QSY Changing frequency.... |
| What is your location? | QTH My location is (Home) |

ARRL HF Calling Frequencies

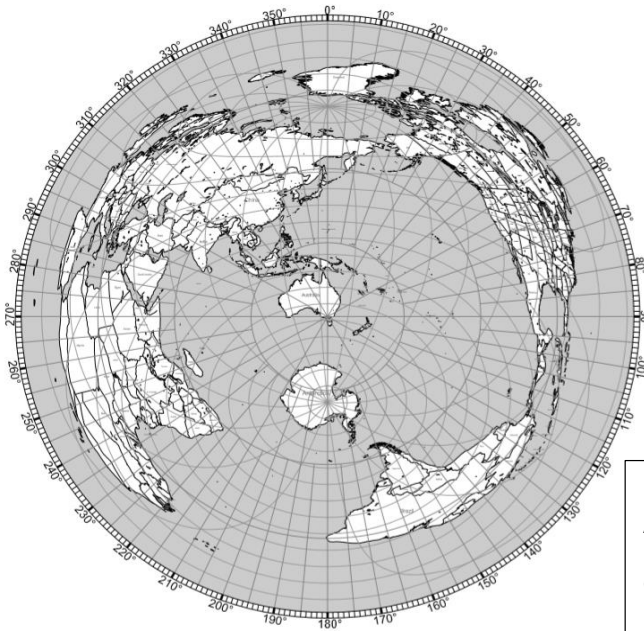
| | | | |
|------------|---------------|------------|-----------------------------------|
| 80m | 3.985Mhz SSB | 40m | 7.285Mhz SSB |
| 20m | 14.285Mhz SSB | 15m | 21.385Mhz SSB |
| 10m | 28.385Mhz SSB | | Just starting point for contacts. |

The shaded frequencies allow cross communications between all grades of licence.

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Azimuthal Map

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



Resistor Colours

| | |
|----------|-----|
| Black = | 0 |
| Brown = | 1 |
| Red = | 2 |
| Orange = | 3 |
| Yellow = | 4 |
| Green = | 5 |
| Blue = | 6 |
| Violet = | 7 |
| Grey = | 8 |
| White = | 9 |
| Gold = | 5% |
| Silver = | 10% |

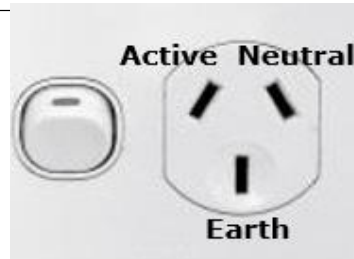
Distress: "MAYDAY" (CW: SOS)
Urgency: "PAN PAN" (CW: XXX)
Safety: "SECURITE" (CW: TTT)

More code in 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 | — — — — — |

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 |



240 Volt Wiring

| Pin | ISO Standard | Old |
|----------------|--------------|-------|
| Active | Brown | Red |
| Neutral | Blue | Black |
| Earth | Green/Yellow | Green |

Signal Readability

1. Unreadable
2. Barely readable, occasional words ok
3. Readable with considerable difficulty
4. Readable with practically no difficulty
5. Perfectly readable