Amateur Radio Digital Modes - PSK

Phase Shift Keying (PSK)

- PSK31, created by Peter Martinez (G3PLX), is most popular
- Transmits at 31 baud using BPSK modulation
- Sounds like whistling
- Very resistant to crowding and interference
- QPSK implements error correction for difficult QSOs
- DigiPan, fldigi, multimode, dxlab, DM-780

Frequency	Amateur Band
1.838 MHz	160 meter
3.580 MHz	80 meter
7.035 MHz 7.040 MHz 7.070 MHz 7.080 MHz	40 meter
10.142 MHz	30 meter
14.070 MHz	20 meter
18.097 MHz	17 meter
21.080 MHz	15 meter
24.920 MHz	12 meter
28.120 MHz	10 meter
50.290 MHz	6 meter
144.144 MHz	2 meter
222.07 MHz	1.25 meter
432.2 MHz	70 cm
909 MHz	33 cm

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Amateur Radio Digital Modes - Packet

AX.25 protocol digital mode

- First used by Canadian amateur radio operators in 1978
- Authorized for use in the US in 1980
- Requires a modem or Terminal Node Controller (TNC)
- Offers error collection and message forwarding
- Automated Packet Reporting System (APRS)
- TARPN, G8BPQ, ROSE, TexNet, BBS, KA
- Most commonly used on 2m