

4050 HF SDR General Specifications

TX Frequency Range	1.6MHz – 30MHz
RX Frequency Range	250KHz – 30MHz
Channel Capacity	1000
Frequency Stability	± 0.5 PPM -30°C to +70°C (±0.1 PPM available optionally)
Frequency Resolution	10 Hz program mode;1 Hz tunable receiver
Operating Modes	J3E (USB, LSB) – H2B (AM) – J2A (CW) – CF (Custom Filter) – ISB (data option)
Filter Bandwidths	Fully Software-Defined standard and custom filter range from 300Hz to 3000Hz and beyond.
Operating Temperature	-30° to +70°, relative humidity 95%, non condensing
Frequency Hopping	5 or 25 hops per second
Supply Voltage	+11V DC or +28V DC operation
Selcall System	Based on CCIR 493-4, 4 and 6 digit systems
ALE Standards	2G & 3G ALE
Current Consumption	350mA standby (muted)
Sensitivity	-125dBm (0.12 µV) for 10dB SINAD
RF Output Power	150W PEP (with 24V supply) 125W PEP (with 12V supply)
Duty Cycle	100% data with fan option
Standards	Designed to meet or exceed: <ul style="list-style-type: none"> - FCC – Part 87 - FCC – Part 90 - CE - Australia/New Zealand AS/NZS 4770 2000 and AS/NZS 4582:1999 and AS 60529:2004 - EMC and vibration Standard IEC 945 - Designed to meet Mil-STD 810G for temperature, humidity, altitude, shock, vibration and IP54 - NTIA - JITC

Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation.

Approval pending