

## UHF & VHF TRANSCEIVER SPECIFICATIONS

Feature	Specification	Comments
<b><u>Mechanical / Electrical</u></b>		
Rack mountable	Standard 19 inch	
Chassis	RFI Shielded	
Power switch or button	Front of chassis	
Power indicator	Front of chassis	Both AC & DC Status
Transmitt / PTT indicator	Front of chassis	
Power	120VAC 60 Hz and +12 or +24 Vdc	
Squelch	Knob adjust	
Carrier test switch	Front of chassis	
Speaker or external audio jack	Front of chassis	With Volume adjust
Microphone jack	Front of chassis	Provide Microphone
Status / Error indicator	Front of chassis	
Antenna connection	Rear of chassis. Type "N"	BNC also acceptable
Power connection	Rear of chassis	TBD
External audio, PTT, I/O	Rear of chassis	
Frequency Adjust	Front of chassis	
<b><u>Receiver Characteristics</u></b>		
Minimum Sensativity	-103 dBm for 10 dB SINAD	
Audio Response	300 Hz to 3000 Hz	Compressed level prefered
Squelch Adjustable	From minimum to above -80 dBm	
Adjacent channel rejection	35 dB at 25 kHz	
Spurious response	Less than 80 dB	
<b><u>Transmitter Characteristics</u></b>		
Output Power	10 W minimum	With optional 50 W Amp
Spurious Output	70 dB below carrier	
Harmonic Output	50 dB below carrier	
Adjacent channel power	50 dB at 25 kHz	
<b><u>General</u></b>		
Frequency range VHF	116 to 152 MHz	
Frequency range UHF	225 to 399.975 MHz	
Tuning Increments	25 kHz	
Modulation Type	AM and FM	AM only would also be considered
Frequency Stability	+ / - 1PPM	
Operating Temperature	5 to 45 degrees Centigrade	41F - 113F
Stauts Meters	Forward & Reflected Power	Selectable display
<b><u>Remote Capability</u></b>		
Optional Remote	Hard wired up to 300 Ft	
Control features	Frequency & squelch adjust, Power on/off	
<b><u>Notes :</u></b>		
The transceiver shall be NON PC based. It shall be of the "instant on" variety.		
The user interface shall not consist of menus & submenus with single button access.		
All items specified herein shall be negotiable to meet customer needs.		