Vertex Standard
FTL-7011 / FTL-2011 / FTL-1011
Mobile Two-Way Radios
Vertex Mobile
4/24/99 Channels 25 - 110 Watts
Specifications

General Specifications	**FTL-1011H** (110 Watts)	**FTL-1011** (60 Watts)	**FTL-2011** (40 Watts)	**FTL-7011** (25 Watts)
Number of Channels	4 / 24 / 99 Channels			
Frequency Range	29.7-38 MHz (A) 38-50 MHz (B)	29.7-38 MHz (A) 38-50 MHz (B)	134-160 MHz (A) 148-174 MHz (C)	400-430 MHz (A) 450-490 MHz (D) 490-512 MHz (F)
Maximum Channel Spread	Any Within Band			
Channel Spacing	25 KHz / 12.5 KHz			
Programmable Channel Step	5.0 / 6.25 KHz	5.0 / 6.25 KHz	5.0 / 6.25 KHz	10 / 12.5 KHz
Emission Type	16K0F3E			
Power Supply Voltage	13.8 VDC			
Current Consumption				
Receive	700 mA			
Transmit	20 A	9.0 A	9.0 A	9.0 A
Standby	300 mA			
Ambient Temperature Range	-30 Degrees C to + 60 Degrees C (-22 to +140 F)			
Frequency Stability	± 5 ppm			
RF Input-Output Impedance	50 Ohms			
Audio Output Impedance	8 Ohms			
Dimensions	6.25"x 2"x 11.75"	6.25"x 2"x 7.125"	6.25"x 2"x 7.125"	6.25"x2"x 7.125"
Weight	7.9lbs (3.6 kg)	3.3lbs (1.5 kg)	3.3lbs (1.5 kg)	3.3lbs (1.5 kg)

Receiver Specifications	Measurements made per EIA standard EIA-204D			
Circuit Type	Double Conversion Superheterodyne			
Sensitivity				
EIA 12 dB SINAD	0.25 uV	0.25 uV	0.25 uV	0.30 uV
20 dB Quieting	0.35 uV	0.35 uV	0.35 uV	0.45 uV
Threshold Squelch	0.20 uV	0.20 uV	0.20 uV	0.20 uV
Adjacent Channel Selectivity	80 dB	80 dB	80 dB	70 dB
Intermodulation	70 dB (3 signal method)			
Spurious and Image Rejection	80 dB	80 dB	80 dB	70 dB
Conducted Spurious Emissions	-50 dBm			
Audio Response	+3/-8 dB from the 6 dB/oct. De-emphasis curve			
Audio Distortion (at rated power)	less than 10% (less than 5% w/optional VAK-10)			
Audio Output	15 W	5 W (10 W w/optional VAK-10)		
Hum and Noise	45 db			
Transmitter Specifications				
Power Output	110 W	60 W	40W	25W
Modulation	Direct FM			
Maximum Deviation	± 5 KHz / ± 2.5 KHz			
Conducted Spurious Emissions	65 dBc	70 dBc	70 dBc	70 dBc
FM Hum and Noise	45 dB			
Audio Response	+1/-3 dB from the 6 dB/oct Pre-emphasis curve			
Audio Distortion	Less than 5%			