

HT-22

- SHORT RANGE
- DUAL MODE
- TRANSPORTABLE
- BROADBAND

SPECIFICATIONS			
RF CHARACTERISTICS			
Frequency Range	2 to 30 MHz	<p>ELEVATION PATTERN HT-22 ANTENNA Scale in dB, Frequency = 2 MHz, Gain = -2 dBd</p> <p>ELEVATION PATTERN HT-22 ANTENNA Scale in dB, Frequency = 8 MHz, Gain = -1 dBd</p> <p>ELEVATION PATTERN HT-22 ANTENNA Scale in dB, Frequency = 12 MHz, Gain = -4 dBd</p> <p>AZIMUTH PATTERN HT-22 ANTENNA Scale in dB, Omnidirectionality = +/- .2 dB Trace = 05, Frequency = 8 MHz</p>	
VSWR	2.3:1 maximum 2 to 5 MHz 2:1 maximum 5 to 30 MHz		
Impedance	50 Ohms unbalanced		
Power	3 kW avg/PEP		
Input Connector	Type "HN"		
Polarization	Horizontal and Vertical		
Gain	-4 dBi minimum 2 to 3 MHz 3 to 30 MHz		
Patterns			
Azimuth	±1.1 dB Omnidirectional 2 to 16 MHz ±3.3 dB Omnidirectional 16 to 30 MHz		
Elevation	Gain Maximum at Zenith Below 8 MHz Not lower than 28° above horizon Above 8 MHz		
MECHANICAL CHARACTERISTICS			
Deployed Size	150 x 150 x 22 ft (45.7 x 45.7 x 6.7 m)		
Stowed Size			
Transit Frame (L x W x H)	75 x 19 x 25 in (1.9 x .48 x .63 m)		
Transit Case (L x W x H)	48 x 16 x 12 in (1.22 x .41 x .32 m)		
Weight (Total System)	385 lbs (174 kg)		
Finish	Olive drab (CARC)		
ENVIRONMENTAL CHARACTERISTICS			
Wind and Ice	90 mph (78 knots) wind, no ice 50 mph (43 knots) wind, 1/2" radial ice		
Snow	40 lbs/sq ft		
Salt Fog	MIL STD 810 Method 509.2 Proc. I		
Altitude			
Operation	12,000 ft		
Storage	50,000 ft		
Solar Radiation	MIL STD 810 Method 505.2 Proc. II		
Fungus	MIL STD 810 Method 508.3		
Vibration	MIL STD 810 Method 514.3 Proc. II		
Shock	MIL STD 810 Method 516.3 Proc. IV		
Sand	MIL STD 810 Method 510.2 Proc. II		
Rain	MIL STD 810 Method 506.2 Proc. I		
Humidity	96% with temperature of 95°F		
Temperature			
Storage	-70°F to 155°F		
Operation	-60°F to 155°F		