Micro Communications, Inc.
Quality RF Transmission Systems and Products since 1966

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Band I Versatile Antenna System
Top-Mount Vertical Polarization
Model: AT11-111

This type of antenna system allows selection of the horizontal radiation pattern in the field that best fulfils a given application using either all or only part of the elements provided in a kit. Upon the number of elements used and the configuration installed, either directional, peanut or quasi-omnidirectional horizontal radiation patterns can be obtained.

The antenna system allows the implementation of a complete secondary low power network in a very short time. The system is top mounted by means of a supporting pipe included in the kit.

Two active and two parasitic dipoles, together with the splitter and dipole-feeding cables complete the kit.

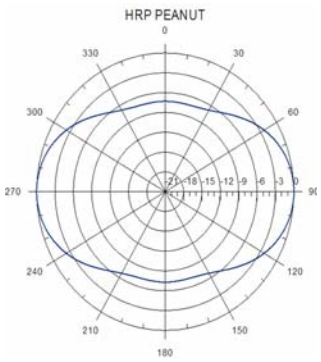
Electrical Specifications

Frequency range	54 - 88 MHz (One model per FCC channel)		
Peak gain	Directional	Peanut	Quasi-omnidirectional
	7.5 dB (ref. λ/2 dipole)	3.5 dB (ref. λ/2 dipole)	5.7 dB (ref. λ/2 dipole)
Polarization	Vertical		
Impedance	50 Ohm		
VSWR	Visual: ≤ 1.22:1		Aural: ≤ 1.50
Maximum power handling peak sync	500 W		
Maximum power handling RMS	350 W		
Connector type	DIN 7/16		
Pressurization	Non pressurized		

Mechanical & Environmental Specifications

Materials	Hot dip galvanized steel		
Configuration	Directional	Peanut	Quasi-omnidirectional
Aperture of radiating elements	5940 mm	2340 mm	5940 mm
Wind load @160 Km/h (including pipe)	1814 N	1322 N	1322 N
Weight	170 Kg	136 Kg	141 Kg
Maximum wind speed	120 Km/h		
Mounting	Top mounted on pipe		
Grounding	DC grounded		
Temperature range	-40°C to +80°C		
Humidity	100%		

NOTE: Mechanical data supplied for the larger system, which corresponds to channel 2 FCC



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