



Micro Communications, Inc.
MICROWAVE A MICROWAVE TECHNIQUES COMPANY

Band III Versatile Antenna System

Top-Mount Vertical Polarization

Model: AT13-111

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

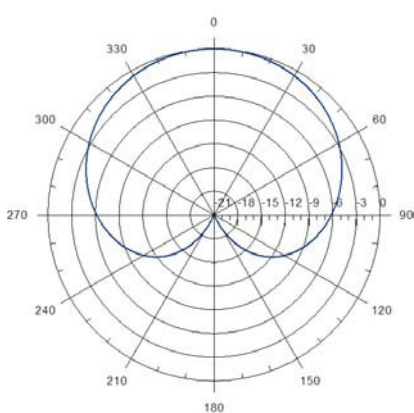
Frequency range	174-216 MHz		
Peak gain	Directional 7.5 dB (ref. $\lambda/2$ dipole)	Peanut 3.5 dB (ref. $\lambda/2$ dipole)	Quasi-omnidirectional 5.7 dB (ref. $\lambda/2$ dipole)
Polarization	Vertical		
Impedance	50 Ohm		
VSWR	$\leq 1.3:1$		
Maximum power handling peak sync	500 W		
Maximum power handling RMS	350 W		
Connector type	DIN 7/16		
Pressurization	Non pressurized		



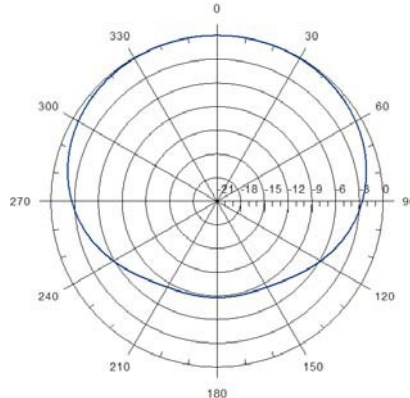
Mechanical & Environmental Specifications

Materials	Hot dip galvanized steel		
Configuration	Directional	Peanut	Quasi-omnidirectional
Aperture of radiating elements	2230 mm	750 mm	2230 mm
Wind load @160 Km/h (including pipe)	1760 N	770 N	770 N
Weight	127 Kg	118 Kg	118 Kg
Maximum wind speed	120 Km/h		
Mounting	Top mounted on pipe		
Grounding	DC grounded		
Temperature range	-40°C to $+80^{\circ}\text{C}$		
Humidity	100%		

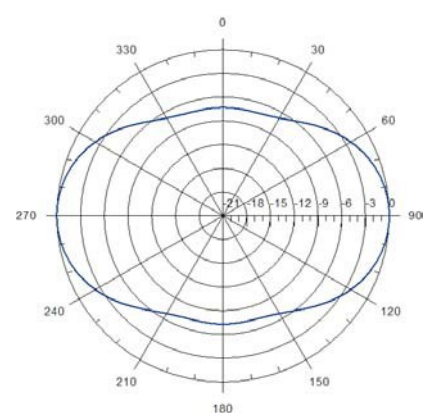
HRP DIRECTIONAL



HRP QUASI-OMNI



HRP PEANUT



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