



UHF/TETRA Wideband Indoor Panel Antenna 380-470MHz

Model #: 104A-57E-2



Description

The 104A-57E-2 antenna is a broadband panel antenna suitable for indoor or outdoor coverage with TETRA and other UHF repeater systems. The dual patch design gives the antenna stable radiation characteristics over a broad band of frequencies making the antenna ideal for a large range of indoor multichannel UHF repeater networks. This model has undergone S.A.R. testing to EN50385:2002. The antenna is available with a snap-fit wall mounting bracket for easy installation and can be supplied with connector and cabling options to suit application requirements.

Electrical Specifications

Parameter	Value
Frequency	380 - 470 MHz
Max. Input Power	50 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	120°
3 dB Beamwidth, H-Plane	130°
Impedance	50 Ω
Gain	1.9 dBd / 4 dBi
VSWR	< 2.0:1
Front-To-Back Ratio	> 8 dB
Passive Intermodulation	-140 dBc (3rd Order, 2 x Tx@ 37 dBm)

Mechanical Specifications

Parameter	Value
Connection(s)	N(f) on 500 mm RG303 cable
Materials	Aluminium, PTFE, ABS, Brass
Radome Material / Colour	ABS White Fire Retardant
Dimensions	292 x 292 x 76 mm
Weight	1.1 kg / 2.43 lb

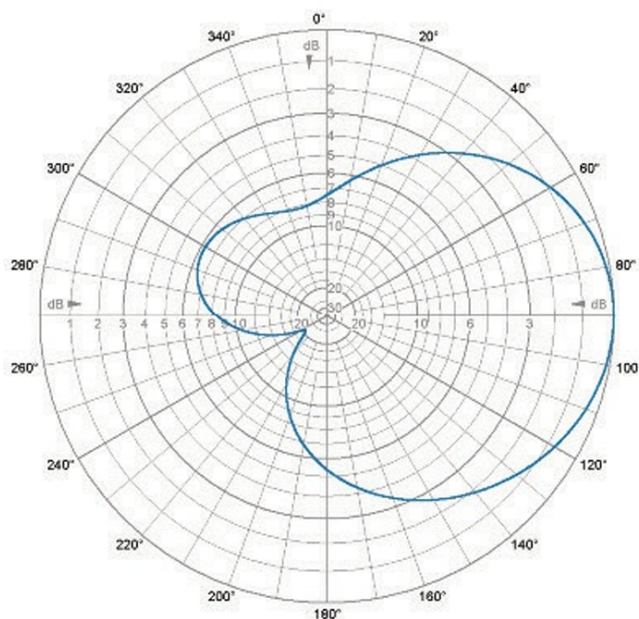


Environmental Specifications

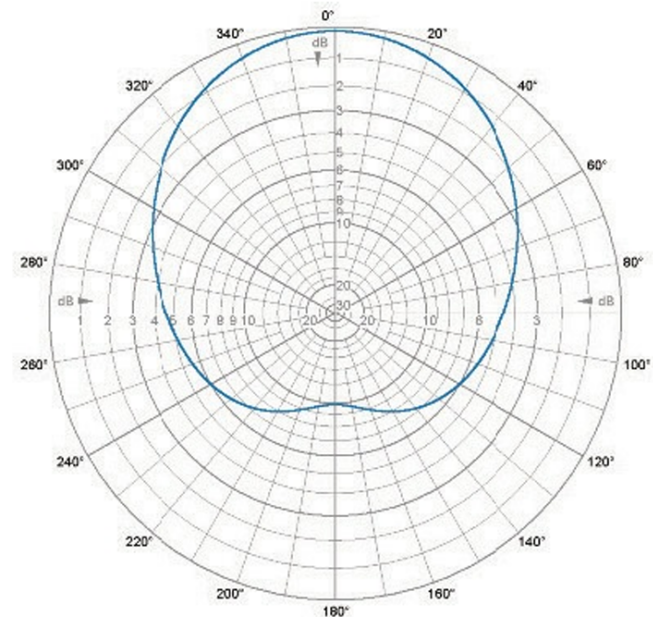
Parameter	Value
Operating Temperature Range	-40 to +75 °C
Ingress Protection	IP56

	Description	Frequency	Model #
UHF/TETRA wideband indoor panel antenna 380-470MHz	Wall mount plate	380 - 470 MHz	104A-57E-2-W
UHF/TETRA wideband indoor panel antenna 380-470MHz	Pole mount, 38-60mm	380 - 470 MHz	104A-57E-2-P

Radiation Patterns



E-Plane | 425 MHz



H-Plane | 425 MHz

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