

WPANT30001-SB

3G Penta-band Monopole Antenna



Description / Application

This Penta-band monopole antenna is an ideal solution for wireless modems and devices operating in the cellular frequency bands. This antenna is more of plug and play (off the shelf solution) and so Client's don't have to be concerned about tuning the Antenna or investing lot of time and money in to R&D. The actual antenna performance in an application is dependent on the device ground plane configuration (any circuit board in a typical wireless device will provide a sufficient match for this Antenna). This particular antenna has successfully met the TIS, TRP & FCC requirements on a number of wireless modems in the past. It comes with an RA-SMA connector.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further customize the antennas for your specific needs. Please contact sales@worldproducts.com with your specific application requirements.

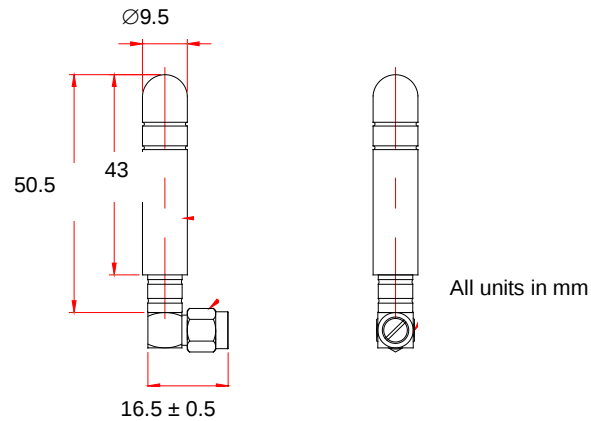
Electrical Properties

Operating Frequency	824 – 960 MHz	1710 – 2170 MHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR – Typical	< 2.5:1	< 2.5:1
Peak Gain [dBi] (Typical)	0.5 dBi	2.5 dBi
Efficiency [%] (Typical)	55 %	70 %
Polarization	Linear	Linear
Pattern	Omni-directional	Omni-directional

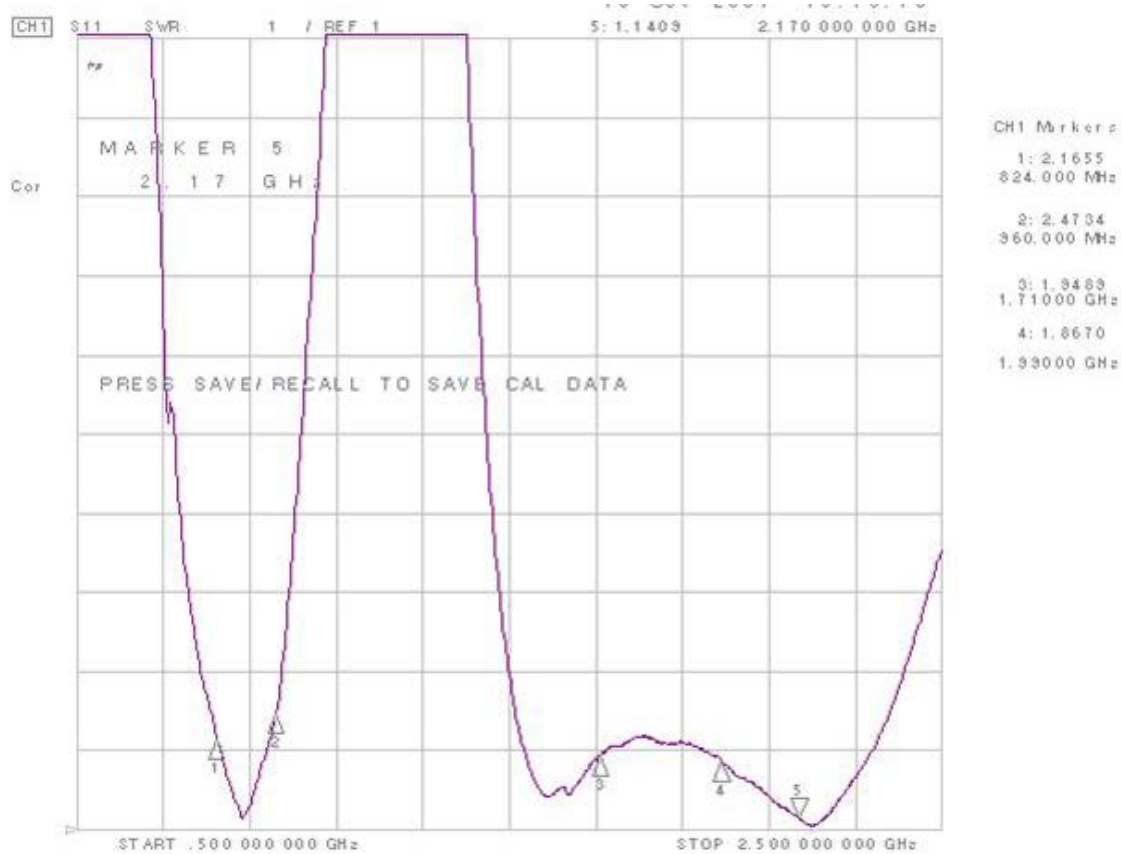
Mechanical / Environmental Properties

Antenna Height	2" (50.5 mm)
Antenna Color	Black
Connector	Right Angle SMA Male, Brass coating
Antenna Radome	ABS (Black)
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Physical Dimensions of the Antenna



VSWR of the Antenna



3D Radiation Pattern of the Antenna (as measured on a typical WPI evaluation board)

