Outdoor 3G Radome Omni 2 dBi Antenna

Pulse Part Number RO8061/21702 Family



Pulse announces a new outdoor radome omni antenna for 3G operations. The frequency range covers 806-960 and 1710-2170 MHz with peak gain levels of 1.5 and 2.5 dBi delivered in the lower and higher frequency bands respectively. The white Pultruded Fiberglass radome is 216 mm (8.5 inches) in height, UV protected and IP-67 rated. It has been tested to wind loading of 150 mph. The antenna is designed for installation on a mast or external wall using the FB2BRACKET or FB3BRACKET.

Key applications are femto cells, 3G repeaters and small base stations. Given the frequency range covered by the RO8061/27102, this antenna is also suitable for other global cellular bands such as GPRS, EDGE, HSDPA, GSM, UMTS.

Features
- Frequency Range 806-960/1710-2170 MHz
- Omni Directional with 2 dBi Gain
- UV Protected and IP-67 Rated
- RoHS Compliant Product

Applications
- 3G Repeaters
- Femto Cell
- Small Base Station

PRELIMINARY

Part Number	Connector
RO8061/21702NM	N Male
RO8061/21702NF	N Female

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Electrical Specifications

	Frequency 1 [MHz]	806-960
	Frequency 2 [MHz]	1710-2170
	Nominal Impedance [Ω]	50
VSWR	Freq 1	2.5:1
	Freq 2	2.5:1
Gain	Freq 1 [dBi avg]	1.5 Max
	Freq 2 [dBi avg]	2.5 Max
Polar-ization	Frequency 1	Horizontal Omni
	Frequency 2	Vertical - 60˚
	Power Rating [W]	20

Environmental Specifications

Operating Temperature [°C]	-40 to +85
Storage Temperature [°C]	-40 to +85
Relative Humidity [%]	100

Mechanical Specifications

Radome Material	Pultruded Fiberglass
Color	Off White
Ingress Protection	IP-67
Weight [oz/g]	5 / 156
Wind-loading [Mph]	150
Dimensions [Inches/Meters]	1 x 8.5 / 25.3 x 215.9
Flammability Rating	UL94 HB

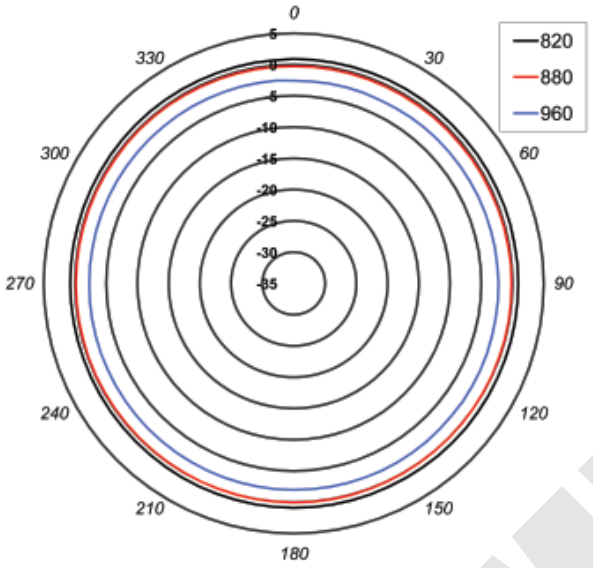
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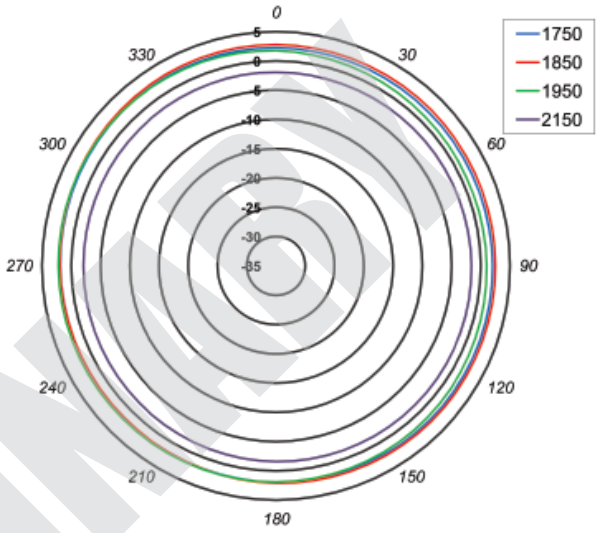
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Radiation Patterns

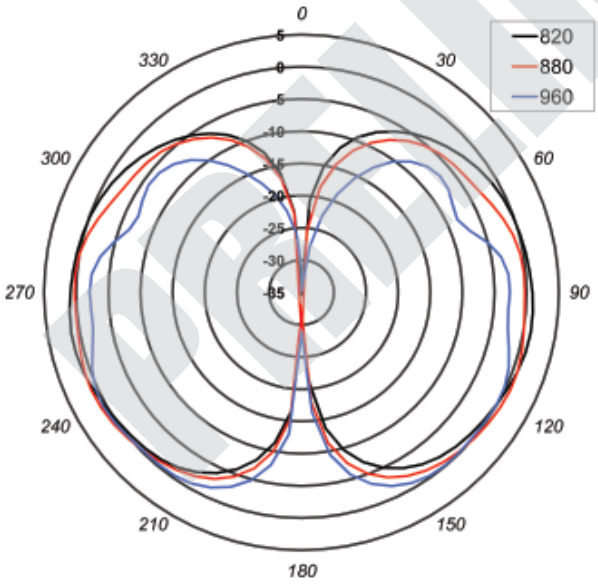
Horizontal Plane - 806-960 MHz



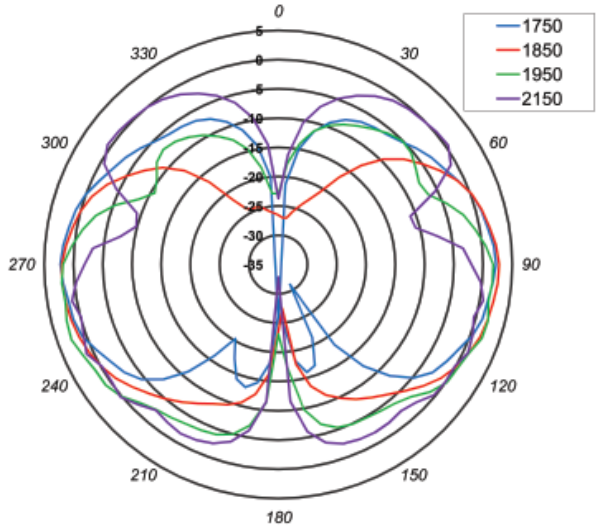
Horizontal Plane - 1710-2170 MHz



Vertical Plane - 806-960 MHz



Vertical Plane - 1710-2170 MHz



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