

Ultra Wideband 4x4 MIMO Antenna [617-960, 1695-2690, 3300-4200, 5000-6000 MHz]

PEAR™ GI1604-06837

Description:

- Ceiling mount omni directional antenna covering 617-960, 1695-2690, 3300-4200 and 5000-6000 MHz.
- MIMO IDAS and Venue applications requiring ceiling mounted omni antennas.
- 4 x 4 MIMO coverage over very wide frequency range for 2G/3G/4G/5G system applications.



617-960, 1695-2690, 3300-4200 and 5000-6000 MHz 4x4 MIMO Omni Antenna

Electrical Specifications

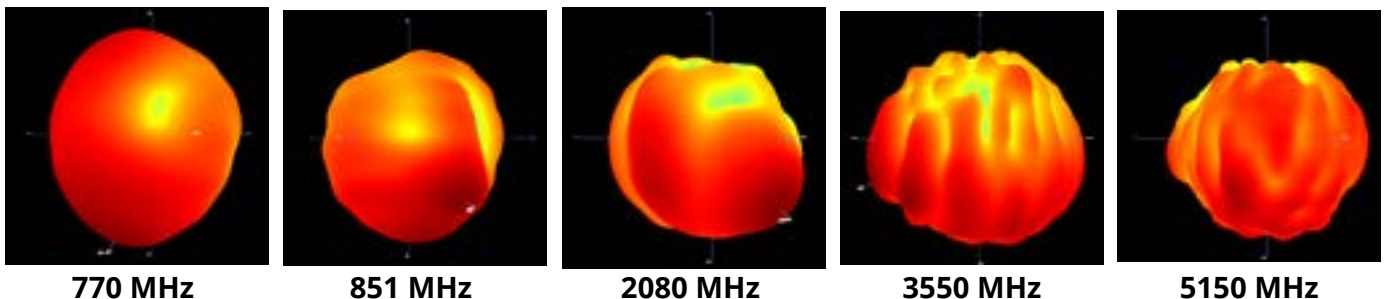
Frequency Band [MHz]	617-698	698-806	806-960	1695-1850	1850-1990	1990-2200	2200-2400	2405-2700	3300-4200	5000-6000
Input Connector Type	4x 4.3-10(F) Pigtail (17", 43.2 cm)									
VSWR (max.) /RL (min.)	1.8:1 / 11.0 dB					1.7:1 / 12.0 dB				
Impedance	50 Ω									
Polarization	Linear									
Horizontal Beamwidth	Omni (360°)									
Isolation (min.)	10 dB	12 dB		17 dB				20 dB		
Gain (max.)	5.8 dBi	6.1 dBi	5.7 dBi	5.7 dBi	5.8 dBi	7.9 dBi	7.9 dBi	7.4 dBi	8.1 dBi	9.7 dBi
Gain (avg.)	4.8 dBi	4.9 dBi	5.1 dBi	5.1 dBi	5.3 dBi	6.4 dBi	6.3 dBi	6.7 dBi	6.5 dBi	8.0 dBi
Max Power / Port	50 W @77°F (25°C)									1W @77°F (25°C)
PIM @ 2x43 dBm	N/A	<-153 dBc							N/A	N/A

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	3 lbs (1.4 kg)
Antenna Diameter	16" (406 mm)
Antenna Height	4.65" (118 mm)
Radome Material	PC / ABS, UL 94-V0 Compliant
Pigtail	Plenum Rated
RoHS	Compliant
Radome Color	White*
Ingress Protection	Indoor

* Radome can be painted with recommended paint "Krylon fusion for plastic"

Antenna Patterns





* 3D patterns showing antenna radiation direction facing down.

Back View and Port Description



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
Antenna with 4x 4.3-10 DIN (F) Connectors	GI1604-06837-112
Mounting Bracket(s):	Part Number:
<p>Below Ceiling Installation (Standard)</p> <p>Fasteners for below suspended ceiling mounting included with antenna. Maximum ceiling thickness 1.18" (30mm).</p> <p>Instructions: Drill a 1.18" (30mm) hole in the ceiling tile. Secure the antenna to the ceiling tile with the supplied plastic nut. Included with antenna.</p>	
<p>Above Ceiling Installation Bracket (Optional)</p> <p>The antenna can be installed above suspended ceilings by using this optional mounting kit.</p>	 <p>62-13-03</p>

Mating Connector Torque:
4.3-10 44.3 in-lb (5 Nm)