

AMC-ANT-2J6200PF

2G/3G and GPS adhesive mount antenna

Key Features

- Cable 1: Cellular
 - 824 – 960MHz
 - 1710 – 2170MHz
- Cable 2: GPS/Galileo/QZSS
 - 1575MHz
- Adhesive mount
- Pre filter GPS
- Ground plane independent
- Non-metal surface installation
- Dimensions: \varnothing 77 x 12mm



1. Antenna and electrical specifications

Cable 1

Parameters	Cellular Antenna	
Standards	2G/3G	
Band (MHz)	850/900	1700/1800/1900/2100
Frequency (MHz)	824 - 960	1710 - 2170
Return Loss (dB)	~-13.8	~-7.7
VSWR	~1.6:1	~2.4:1
Efficiency (%)	~43	~32
Peak Gain (dBi)	~1.5	~0.5
Average Gain (dB)	~-3.7	~-5.0
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA male standard (other connectors available)	
Cable Length	300cm standard (other lengths available)	
Cable Type	RG174 standard (other cables available)	



Cable 2

Parameters	GPS Antenna
Standards	GPS/Galileo/QZSS
Band (MHz)	1575
Frequency (MHz)	1575.42
Return Loss (dB)	<=-14
VSWR	<=1.5:1
Impedance (Ohms)	50
Polarisation	RHCP
Radiation Pattern	Hemispherical
SAW Filter	Pre-Filter
Active Gain (dB)	26 @ 3V
Noise Figure (dB)	1.2 (typ.)
Voltage (V)	2.7 – 5.5
Current (mA)	15 - 25
Power Consumption (mW)	40 - 137
Connector Type	SMA male standard (other connectors available)
Cable Length	300cm standard (other lengths available)
Cable Type	RG-174 standard (other cables available)

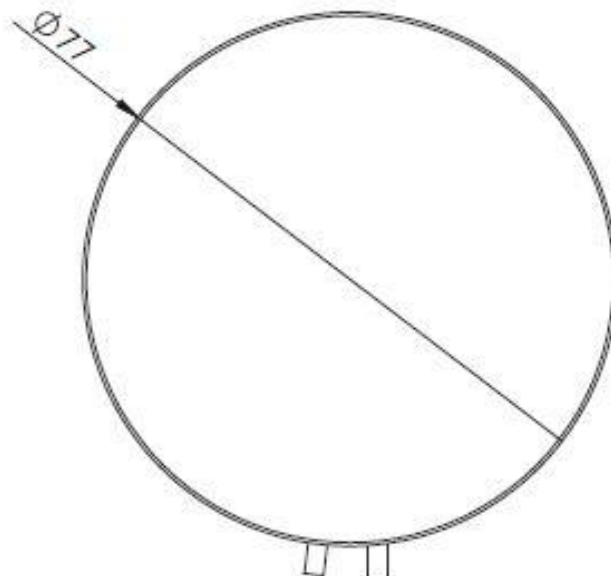
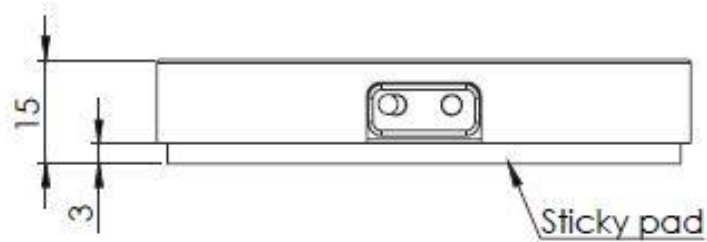
Measurement Conditions:

- Mounted on 300mm x 300mm x 2.5mm metal plate
- 2 meters RG174 cable
- Measured in certified CTIA 3D anechoic chamber

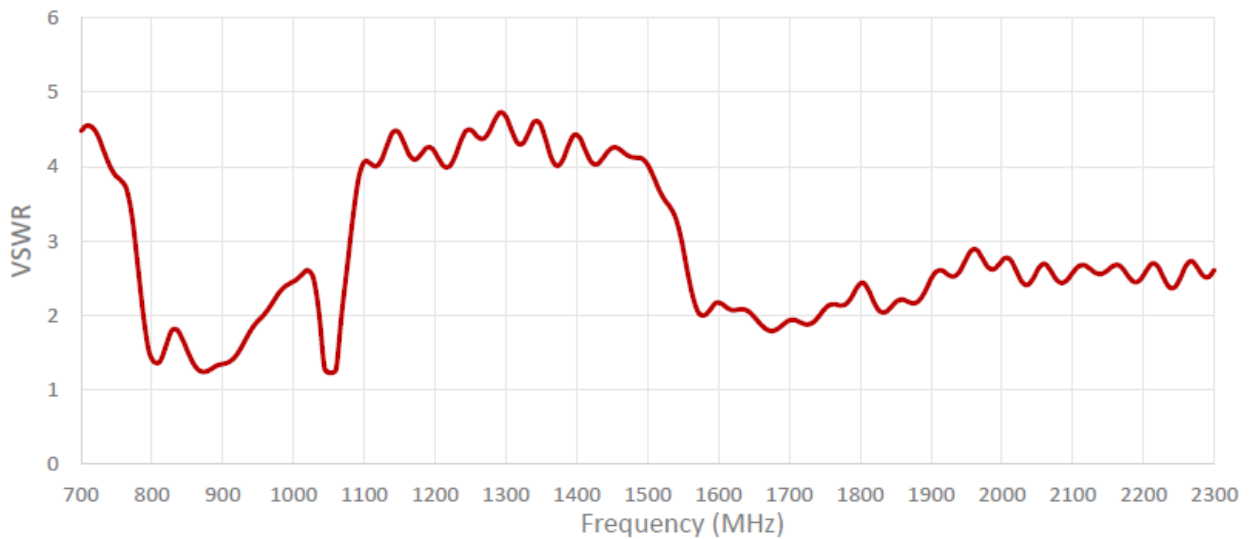
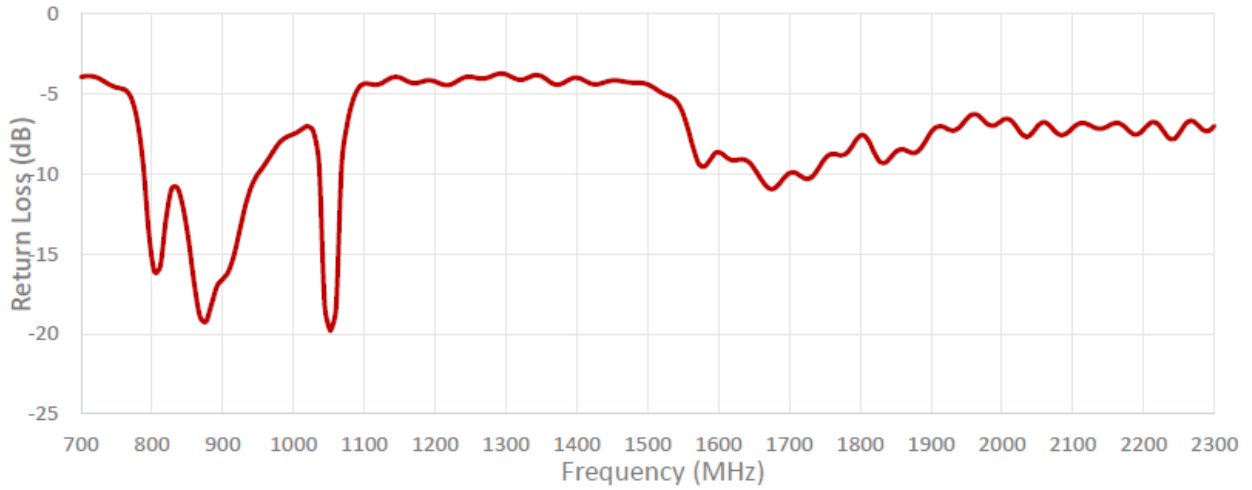


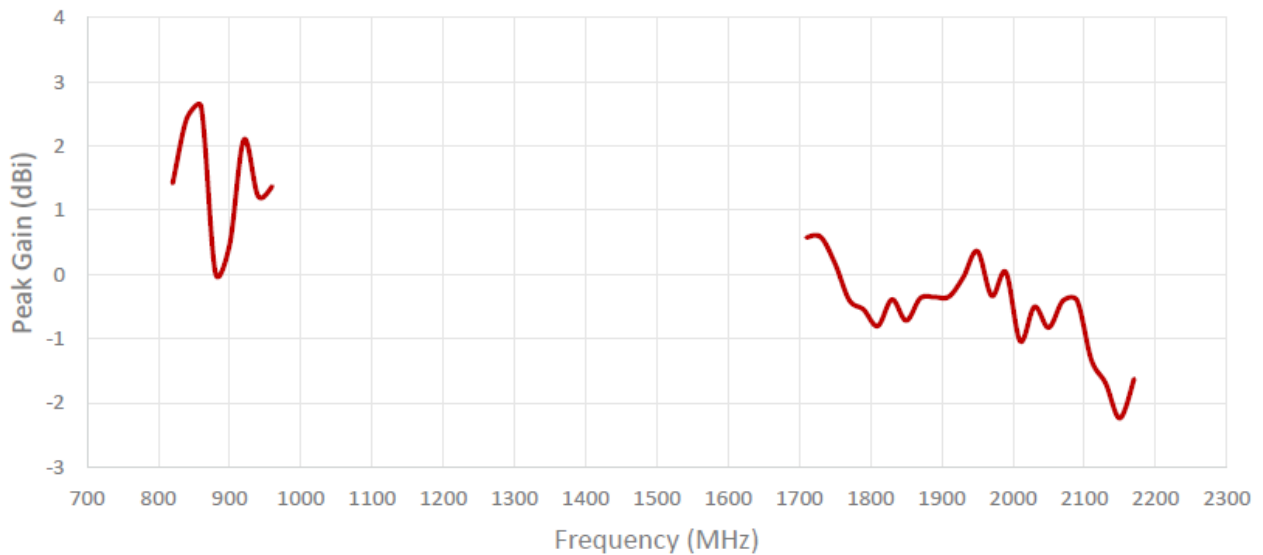
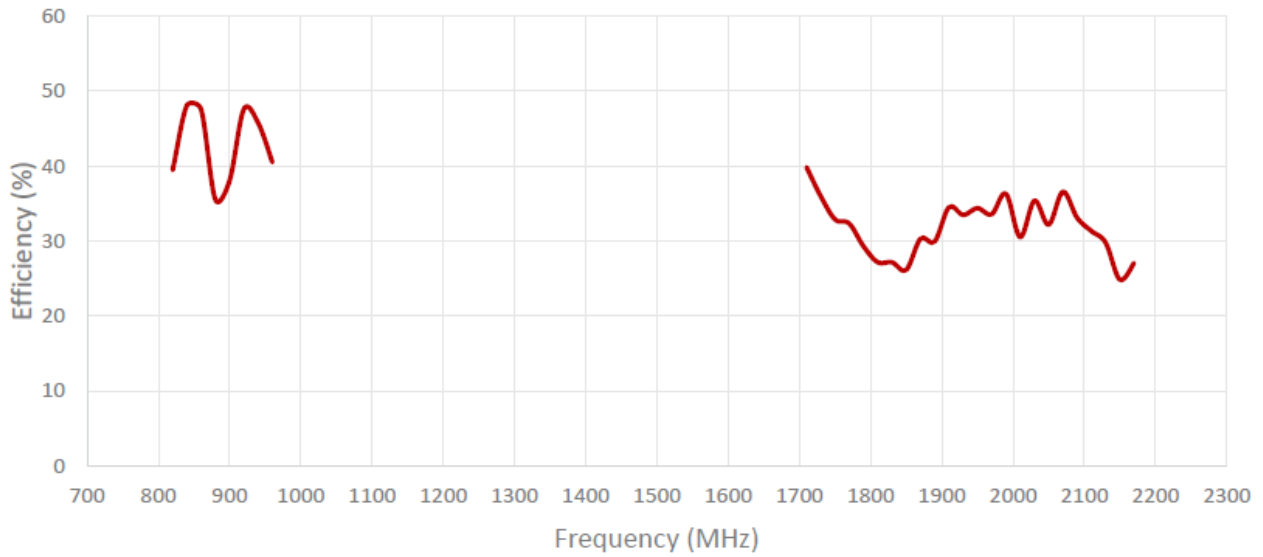
2. Mechanical and environmental specifications

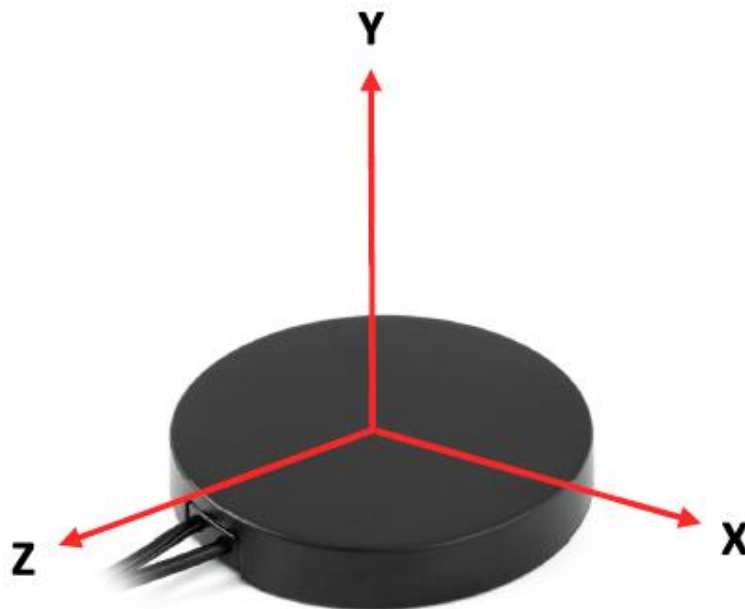
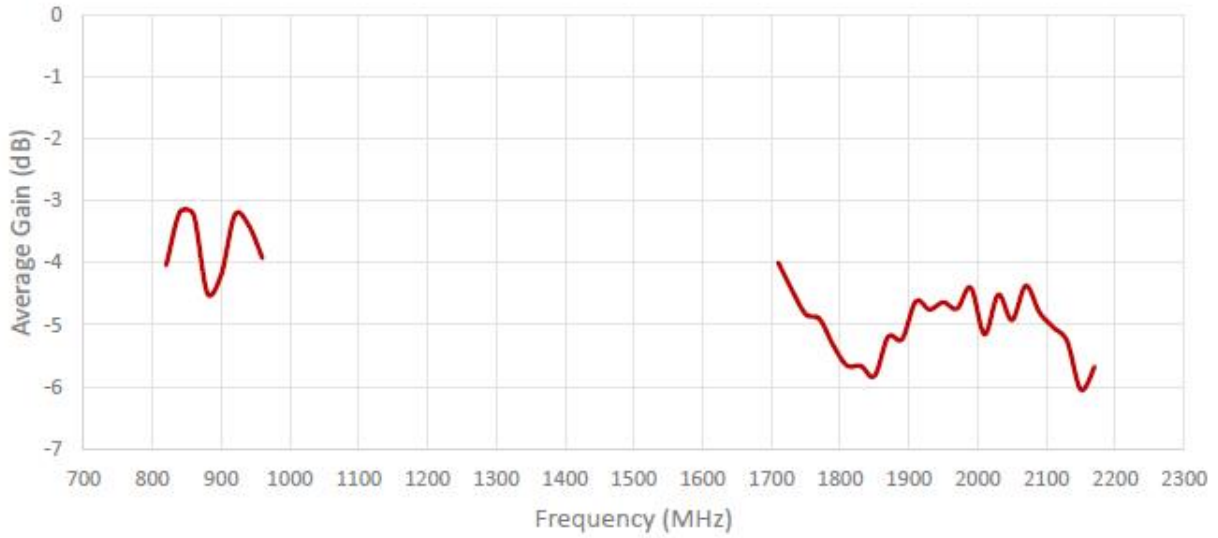
Mounting Type	Adhesive mount
Dimensions (mm)	Ø 77 x 12
Radome	ABS
Colour	Black
Antenna Base	ABS
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



3. Antenna parameters

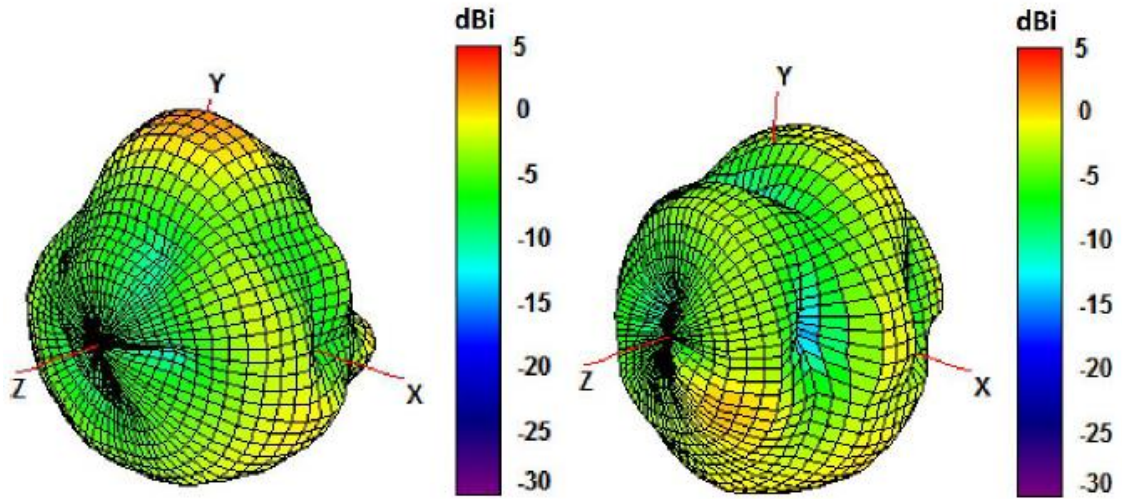




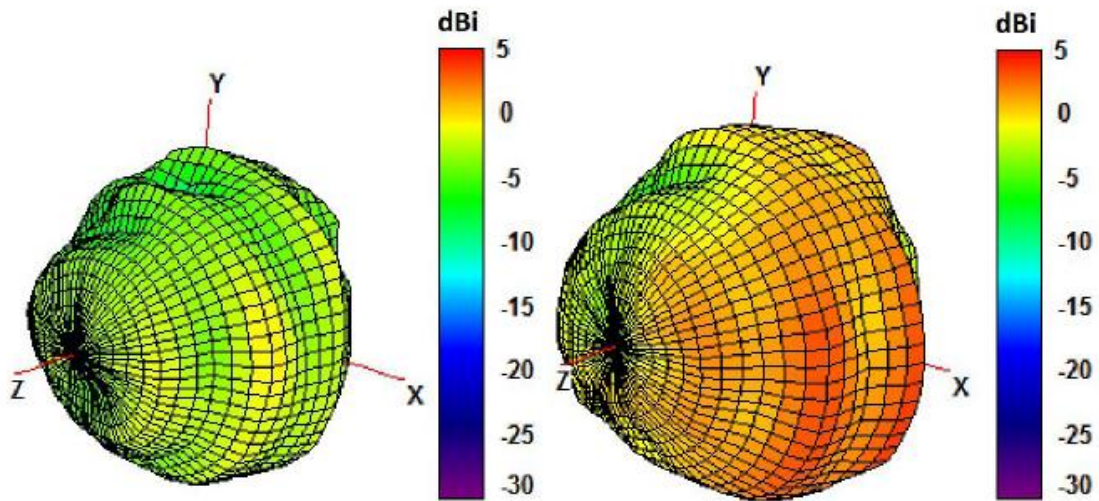


Radiation pattern reference



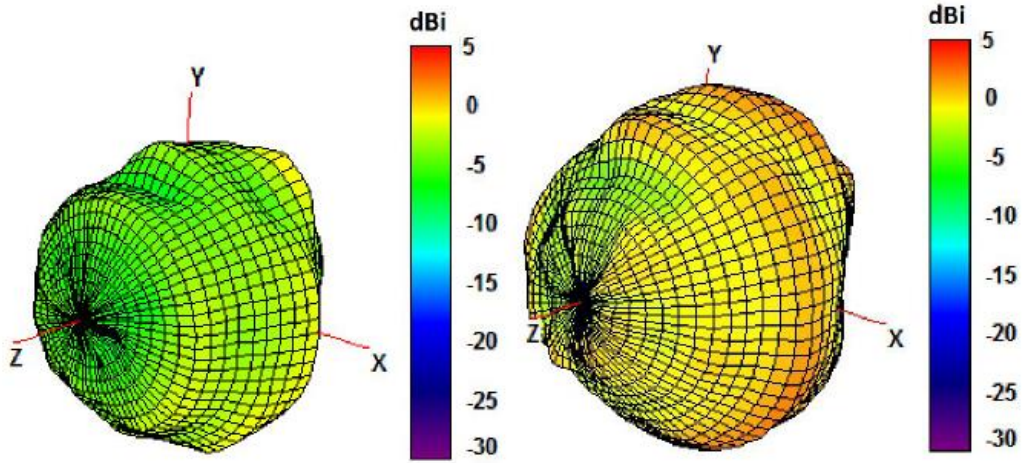


850 and 940 MHz Radiation pattern



1750 and 1850 MHz Radiation pattern





1950 and 2100 MHz Radiation pattern

