

AMC-ANT-2J3704M

2G/3G magnetic mount antenna

Features

- Cellular
 - 824 - 960MHz
 - 1710 - 2170MHz
- Magnetic mount
- Low profile
- Ground plane dependent
- Dimensions: 71.5 x 30.9mm
- Customisable cable and connector



1. Antenna and electrical specifications

Parameters	Cellular Antenna	
Standards	2G and 3G	
Band (GHz)	850/900	1700/1800/1900/2100
Frequency (MHz)	824 - 960	1710 - 2170
Return Loss (dB)	~-12.7	~-10.8
VSWR	~1.6:1	~1.8:1
Efficiency (%)	~49	~28
Peak Gain (dBi)	~1.7	~0.3
Average Gain (dB)	~-3.2	~-5.6
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA male standard (other connectors available)	
Cable Length	3 metres standard (other lengths available)	
Cable Type	RG174 standard (other cables available)	

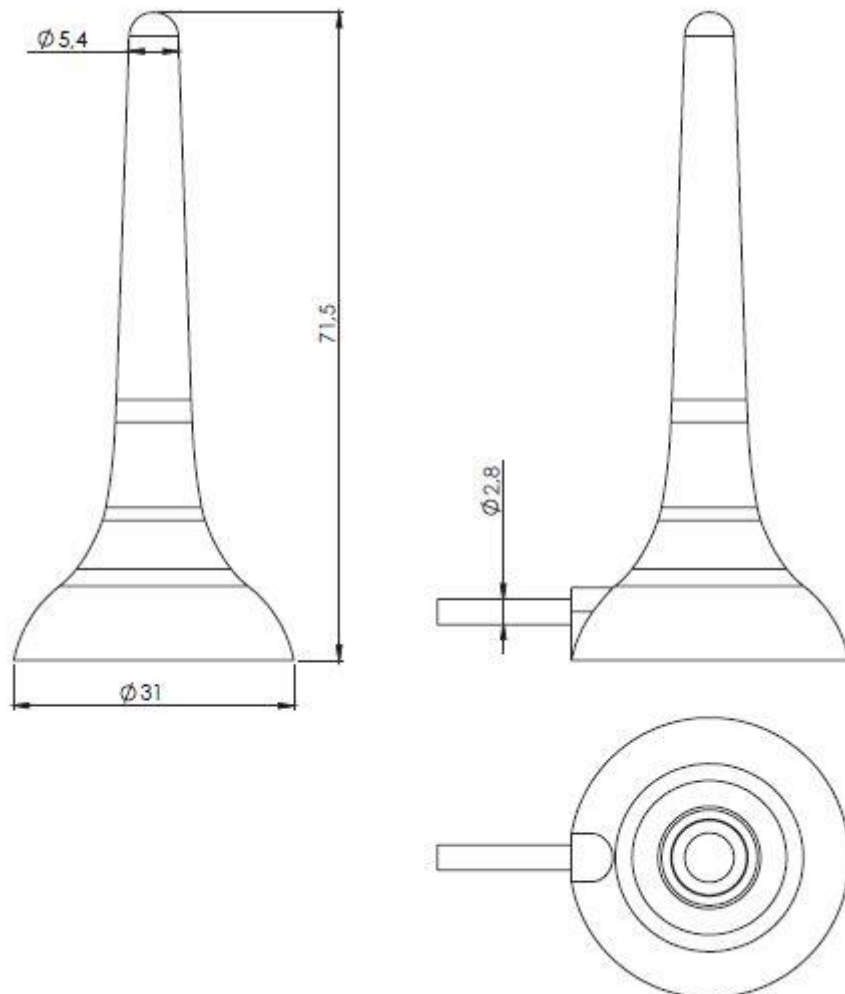
Measurement conditions:

- Mounted on 30 x 30cm ground plane
- 2 metres RG174 cable
- Measured in certified CTIA 3D anechoic chamber

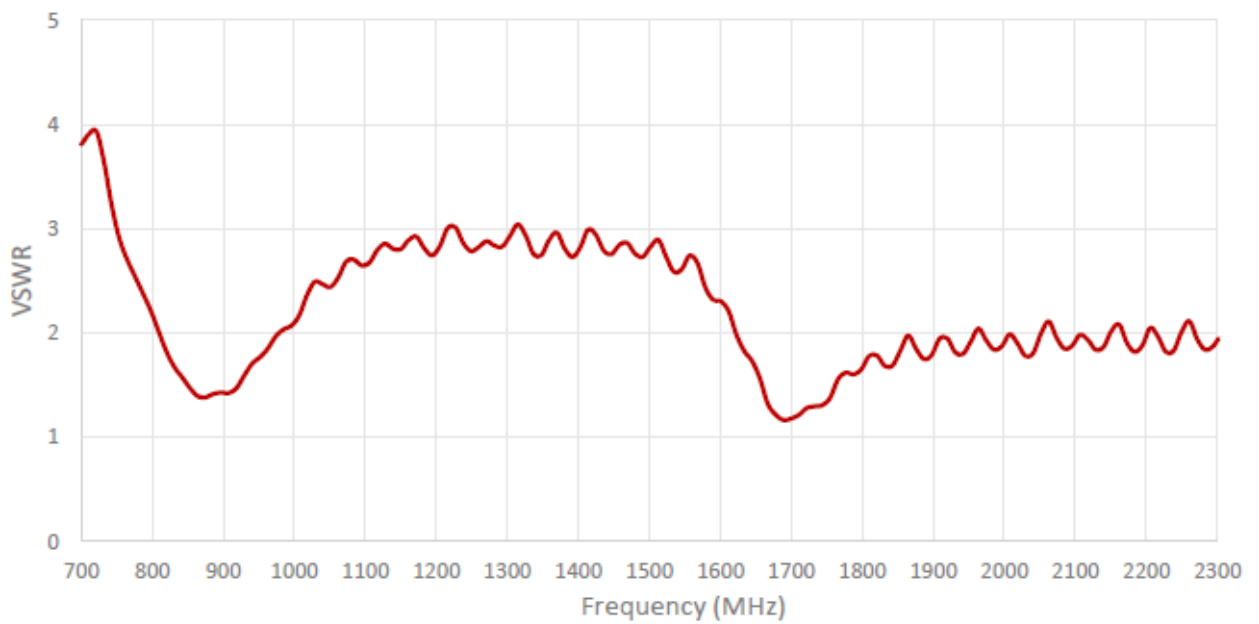
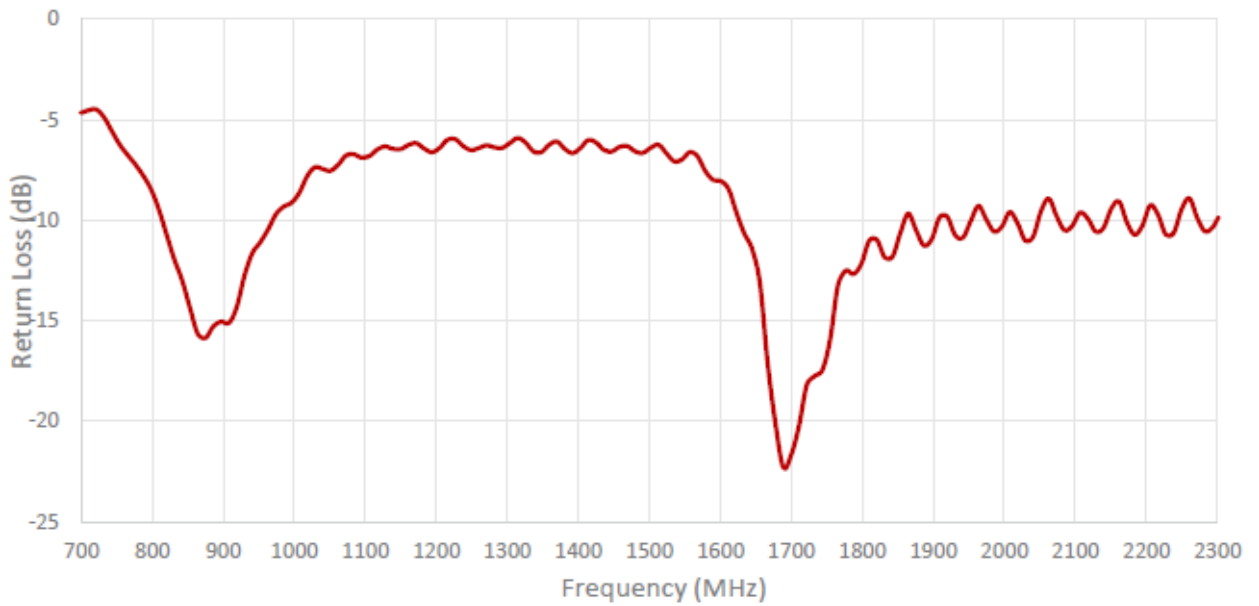


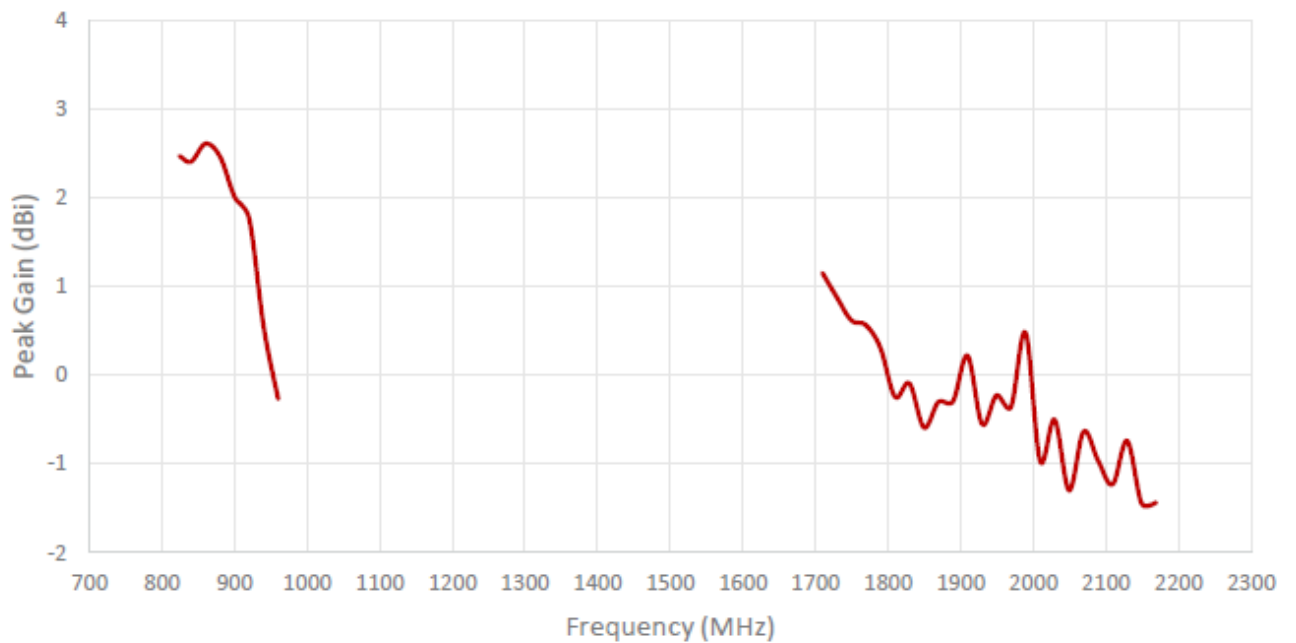
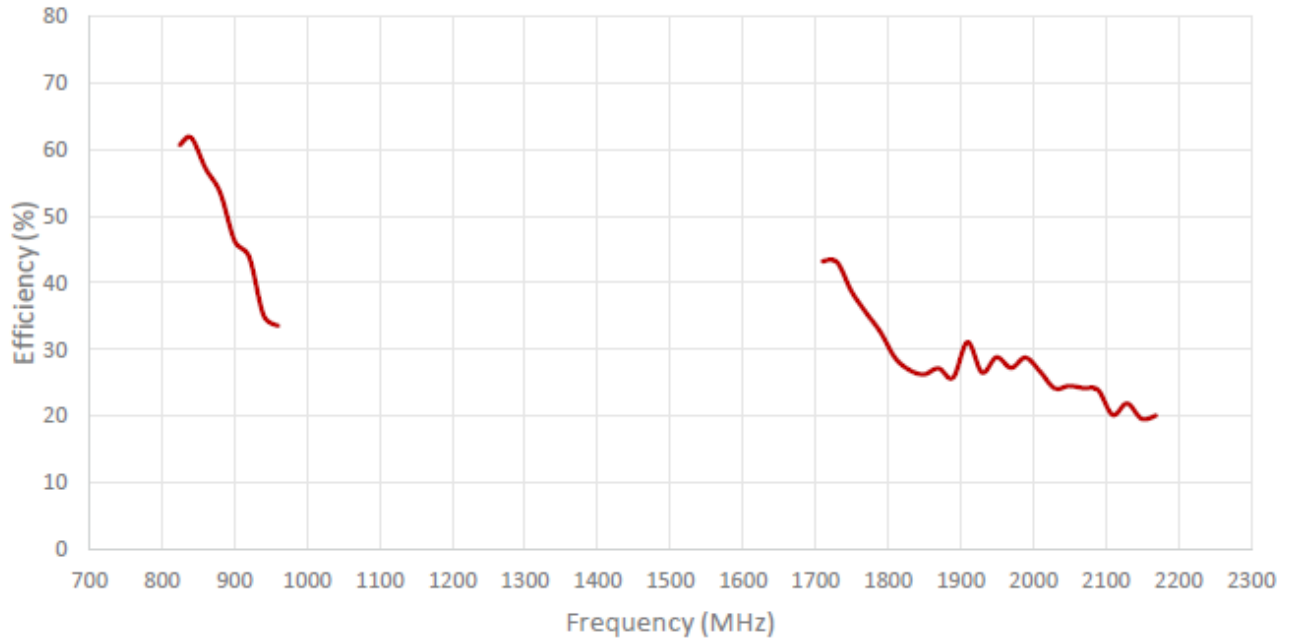
2. Mechanical and environmental specifications

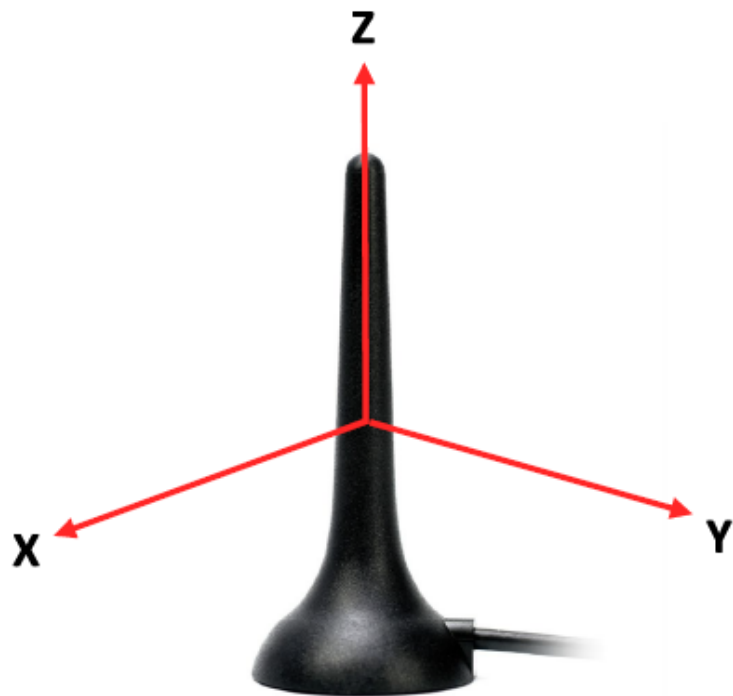
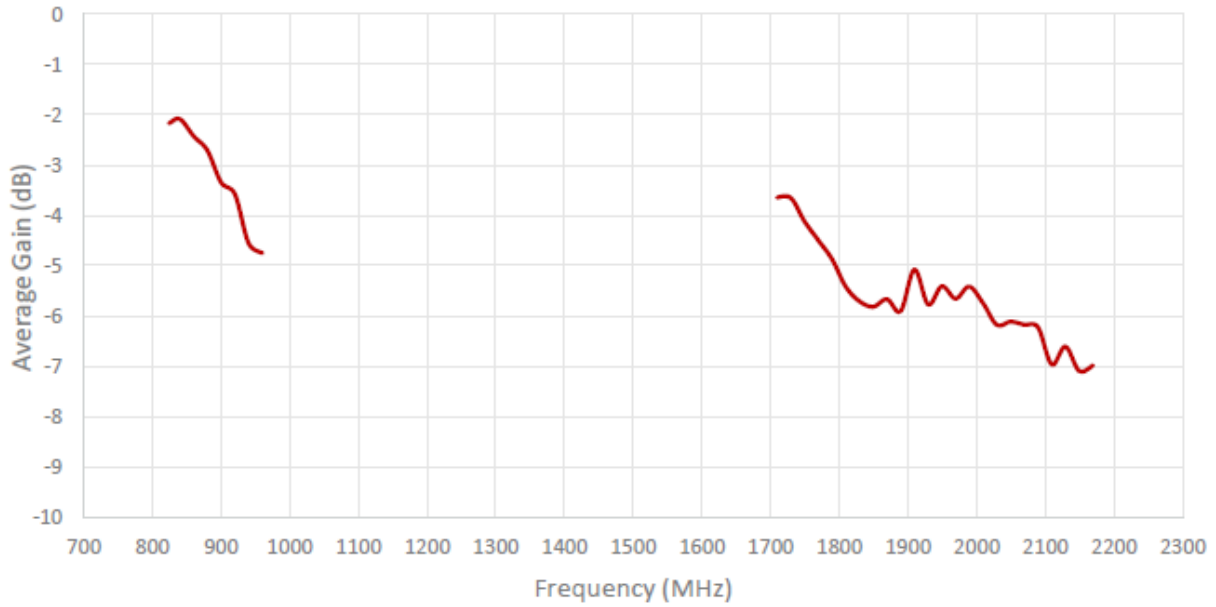
Mounting Type	Magnetic mount
Dimensions (mm)	71.5 x 30.9
Radome & Bracket	PC/ABS UV stable
Colour	Black
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



3. Antenna Parameters

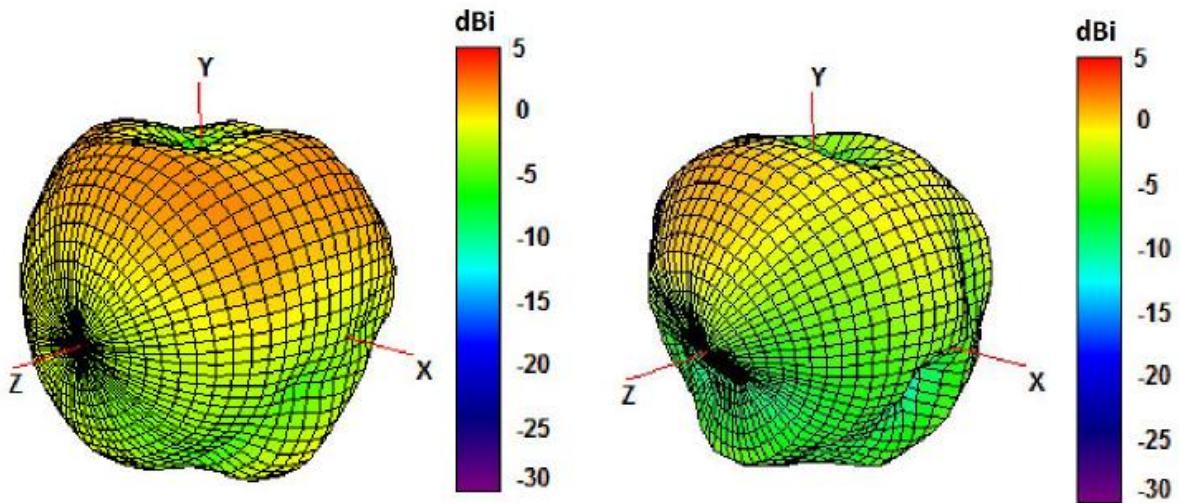




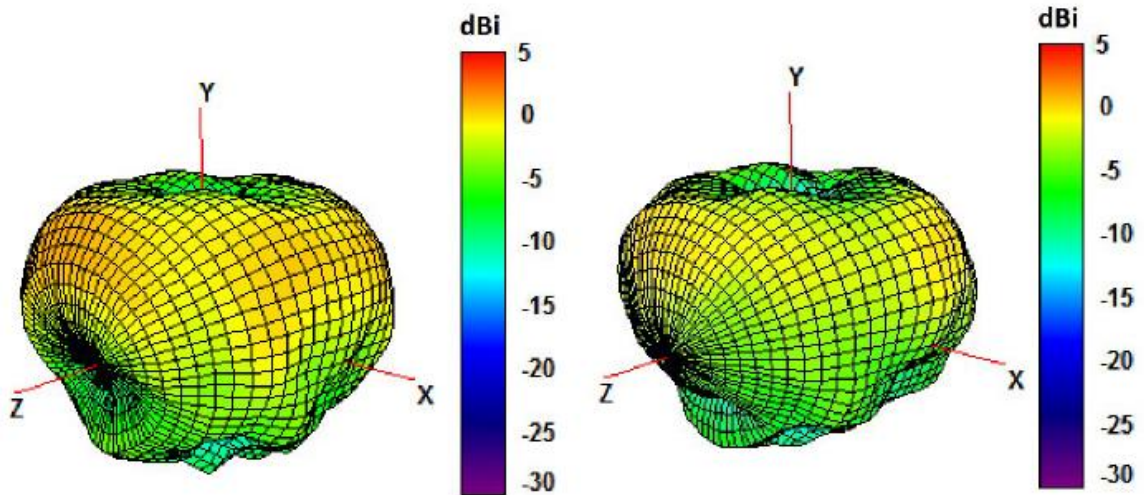


Radiation pattern reference



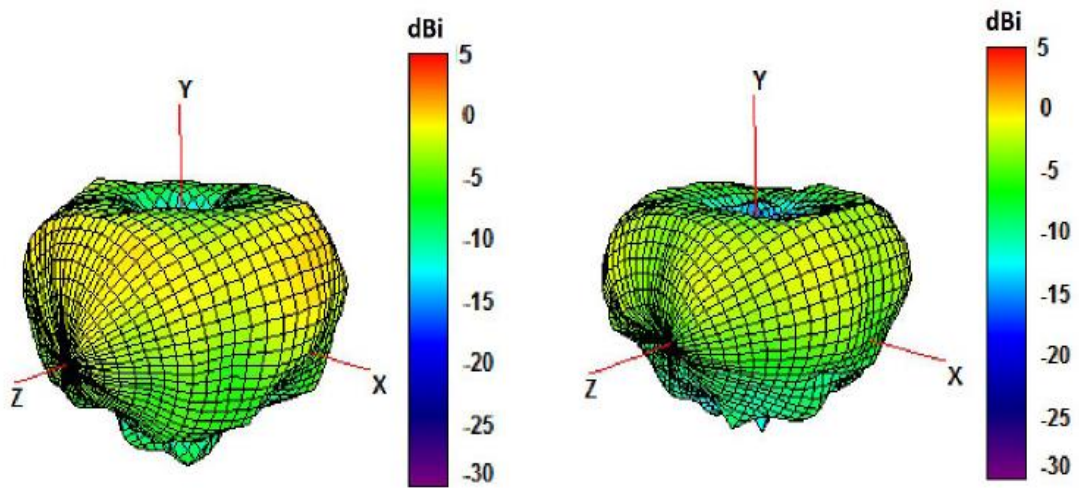


850 and 940 MHz Radiation pattern



1750 and 1850 MHz Radiation pattern





1950 and 2100 MHz Radiation pattern

