

## AMC-ANT-2J3104M

### 2G/3G magnetic mount antenna

#### Features

- Cellular
  - 824 - 960MHz
  - 1710 - 2170MHz
- Magnetic mount
- Ground plane dependent
- Dimensions: 248.4 x Ø 31mm
- 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)	~-14.2	~-14.0
VSWR	~1.6:1	~1.5:1
Efficiency (%)	~48.6	~34.5
Peak Gain (dBi)	~2.2	~3.0
Average Gain (dB)	~-3.2	~-4.6
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA male standard (other connectors available)	
Cable Length	300cm standard (other lengths available)	
Cable Type	RG174 standard (other cables available)	

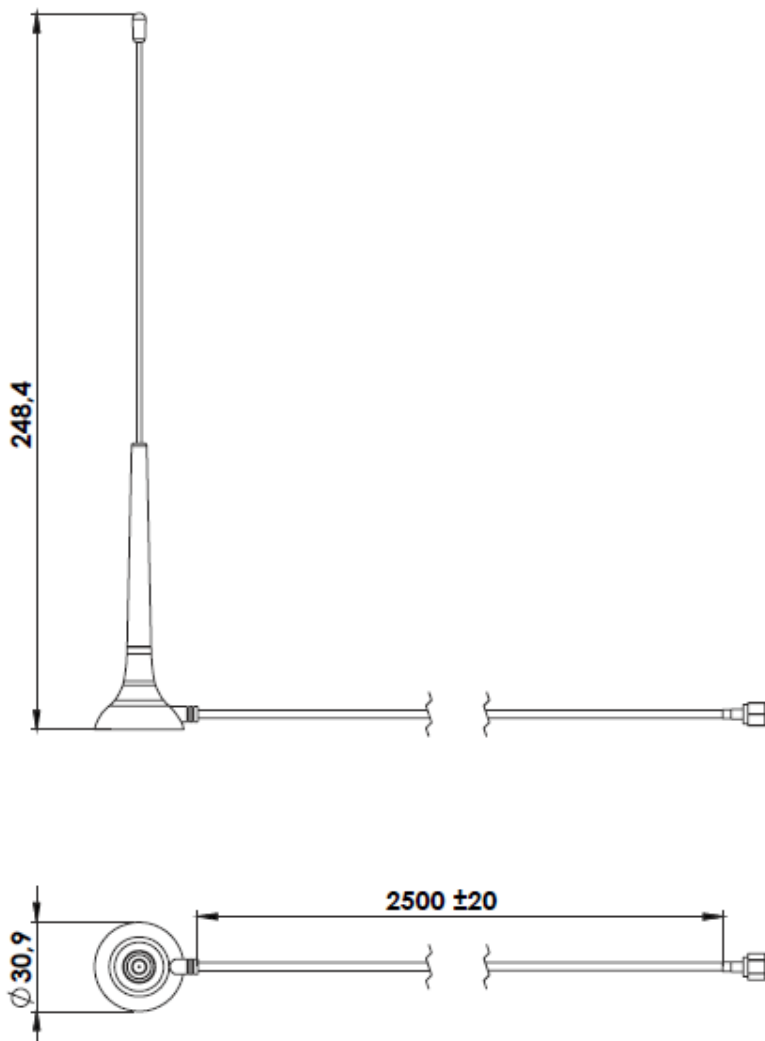
### Measurement conditions:

- Mounted on 30 x 30cm ground plane
- 200cm RG174 cable
- Measured in certified CTIA 3D anechoic chamber

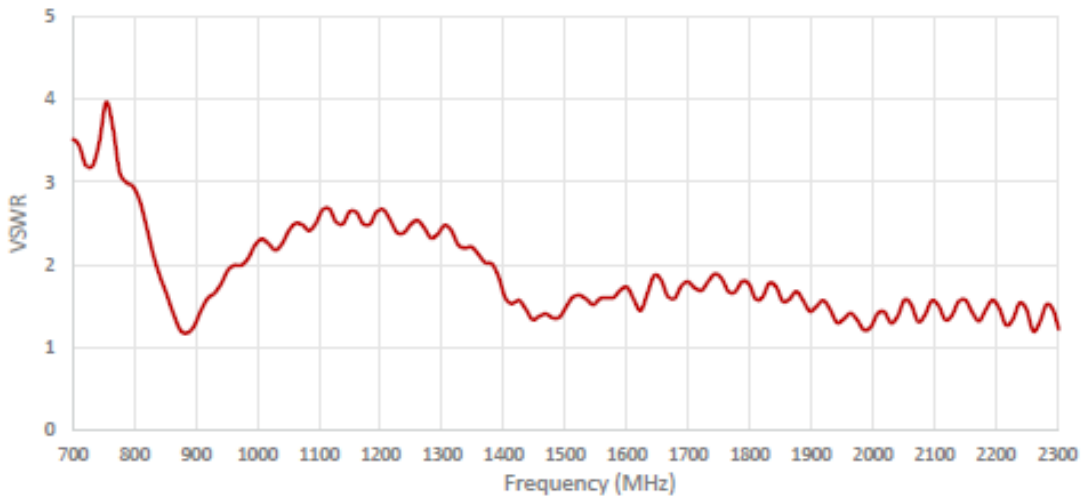
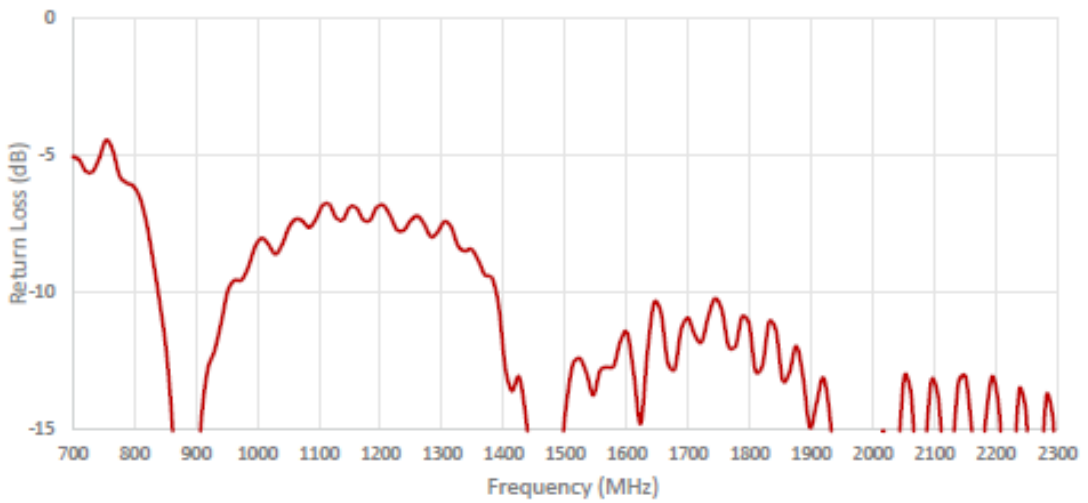


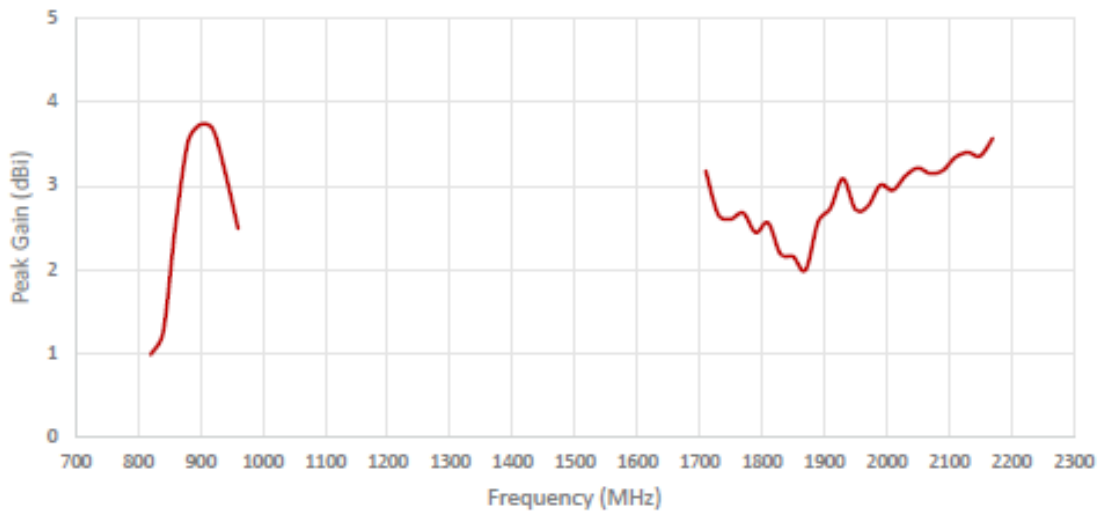
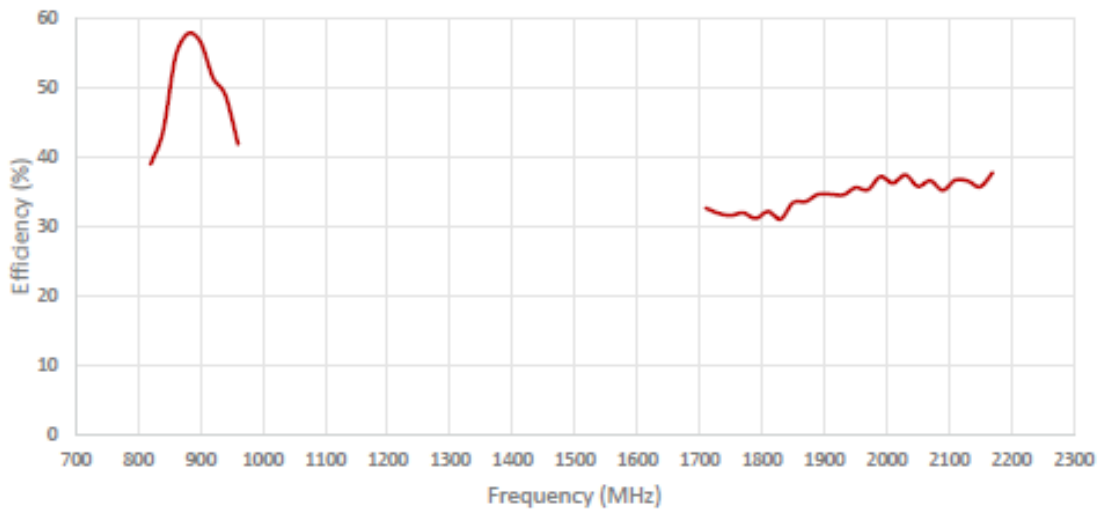
## 2. Mechanical and environmental specifications

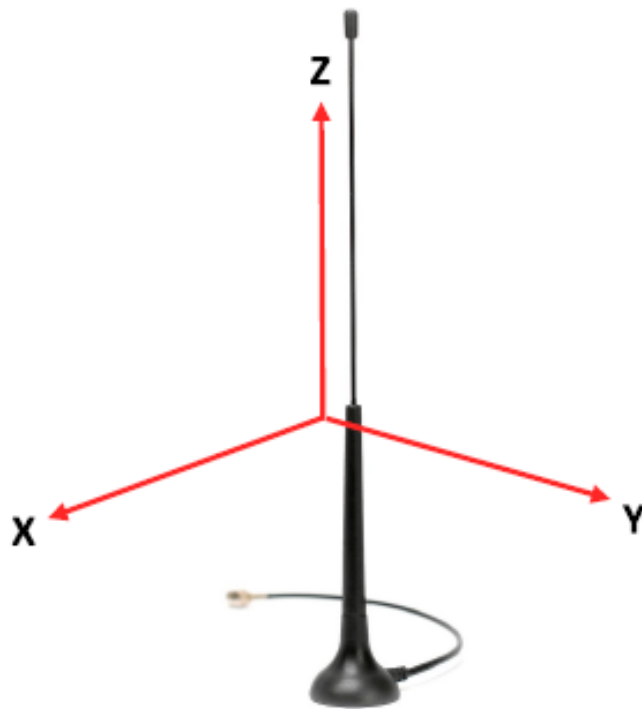
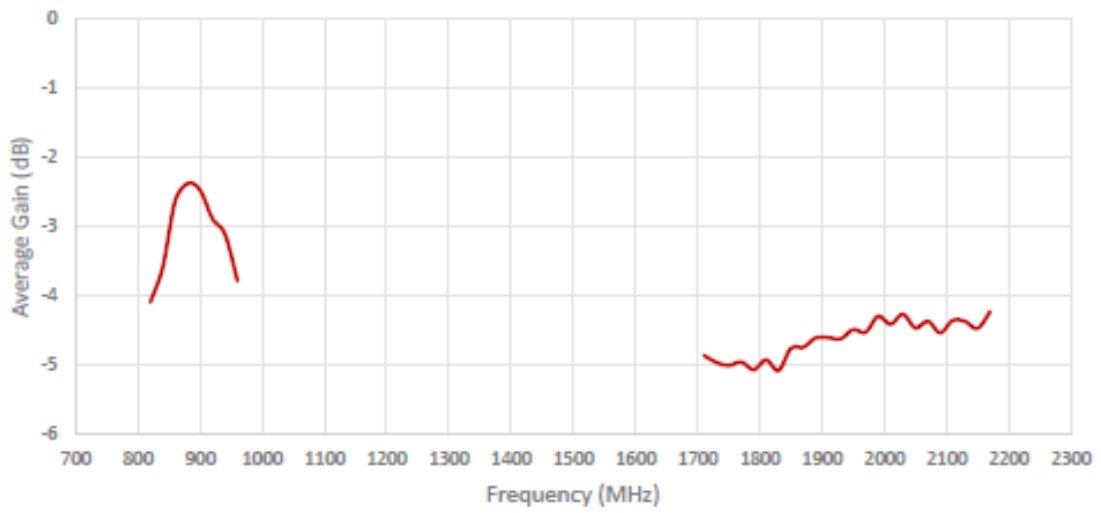
<b>Mounting Type</b>	Magnetic mount
<b>Dimensions (mm)</b>	248.4 x $\varnothing$ 31
<b>Radome &amp; Bracket</b>	PC/ABS UV stable
<b>Colour</b>	Black
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS



### 3. Antenna parameters

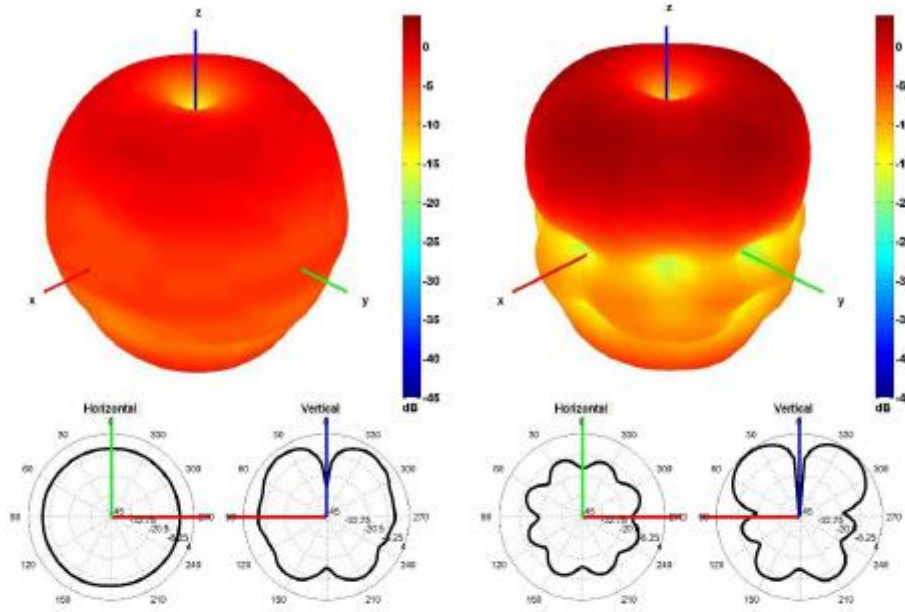




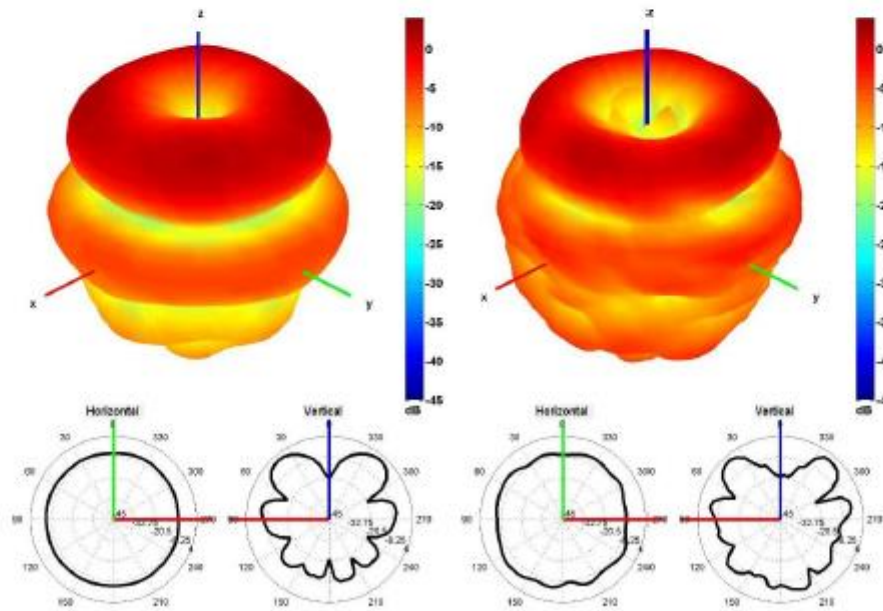


Radiation pattern reference



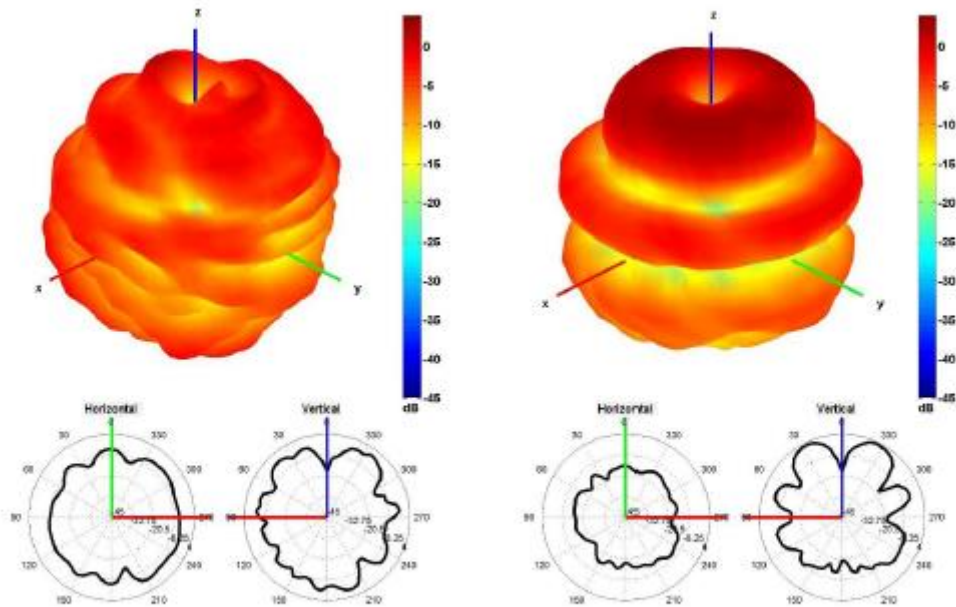


850 and 940 MHz Radiation pattern



1750 and 1850 MHz Radiation pattern





1950 and 2100 MHz Radiation pattern

