

**ComAp:
4G Antenna**



Order code: OT1A4GXXMCX

4G/LTE Antenna (magnetic mount)

Datasheet

KeyFeatures

- ▶ Cellular/LTE
 - 698-960MHz
 - 1710-2170MHz
 - 2500-2700 MHz
- ▶ Cable length: 5m
- ▶ Magnetic mount
- ▶ Connector type: SMA-Male Standard
- ▶ RoHS
- ▶ High performance
- ▶ Ground plane dependent

Technical data

Antenna and electrical specifications

Parameters	CELLULAR Antenna		
Standards	2G, 3G and 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2500-2700
Frequency (MHz)	698-960	1710-2170	1710-2170
Return Loss (dB)	~13.4	~14.1	~18.1
VSWR	~1.9:1	~1.5:1	~1.3:1
Efficiency (%)	~47	~39	~36
Peak Gain (dBi)	~1.0	~2.4	~2.1
Average Gain (dB)	~3.4	~4.1	~4.5
Impedance (Ohm)	50		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	35		
Connector Type	SMA-Male Standard (Other Connectors Available)		
Cable Length	500 cm Standard (Any Cable Length Available)		
Cable Type	LMR100 Standard (Other Cables Available)		

Antenna Measurement Conditions

Mounted on 30 x 30 cm Metal Plate

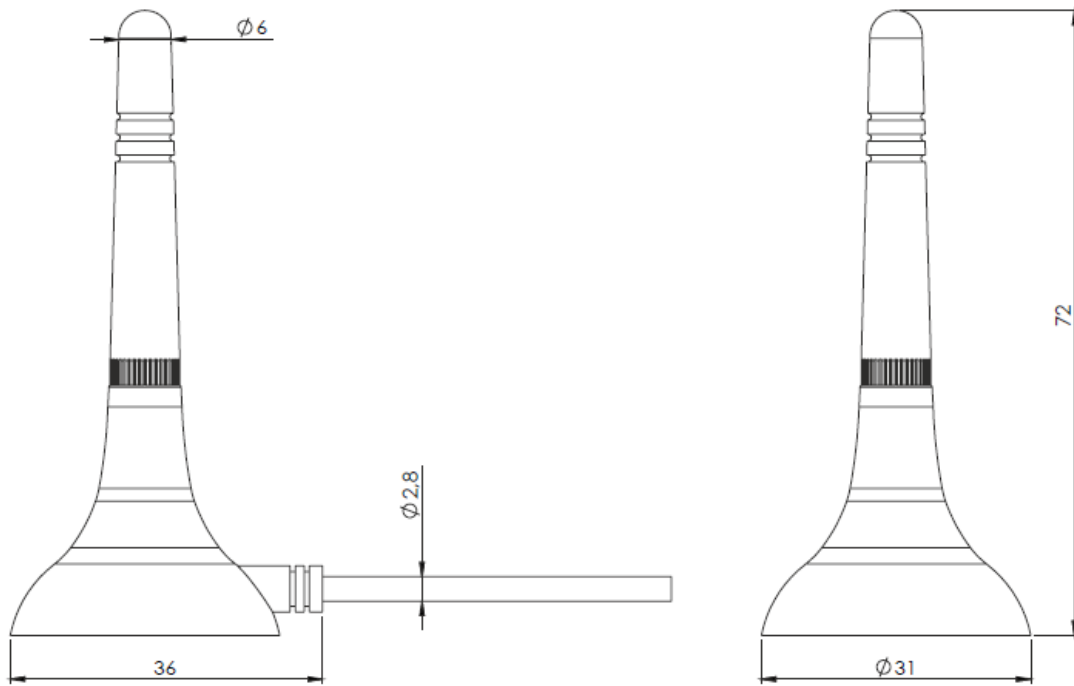
200 cm of Cable LMR100

Measured in Certified CTIA 3D Anechoic Chamber

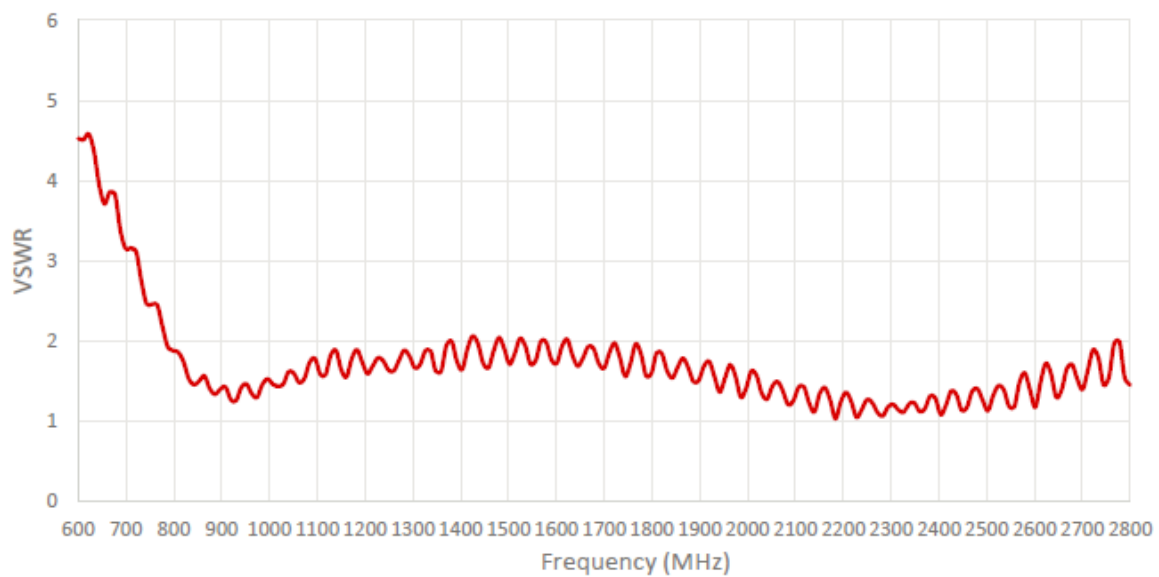
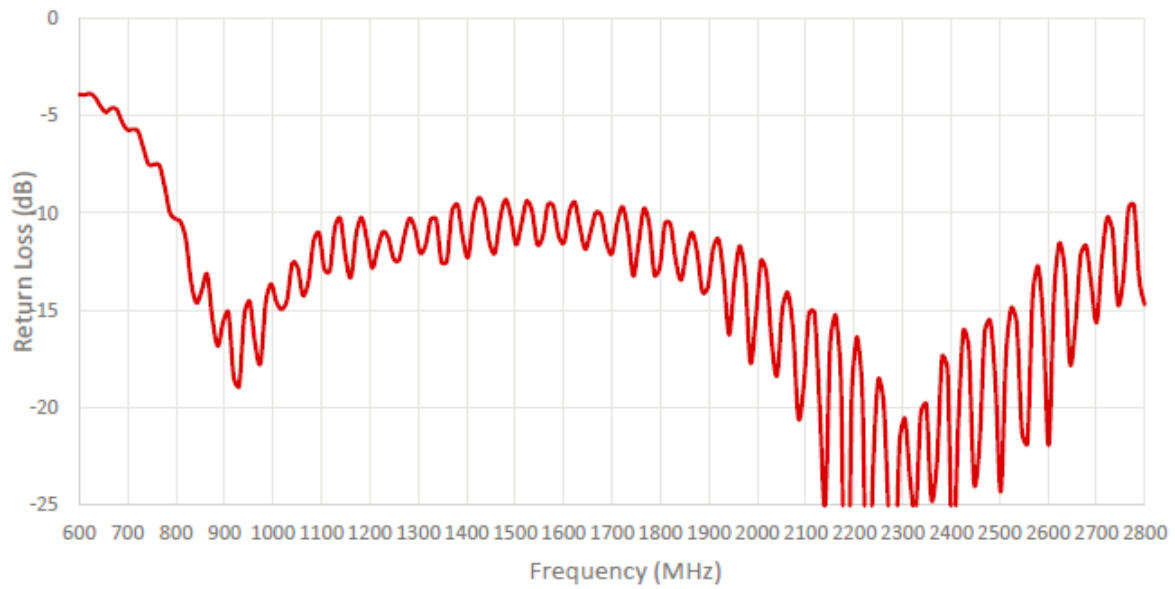
Mechanical and environmental specifications

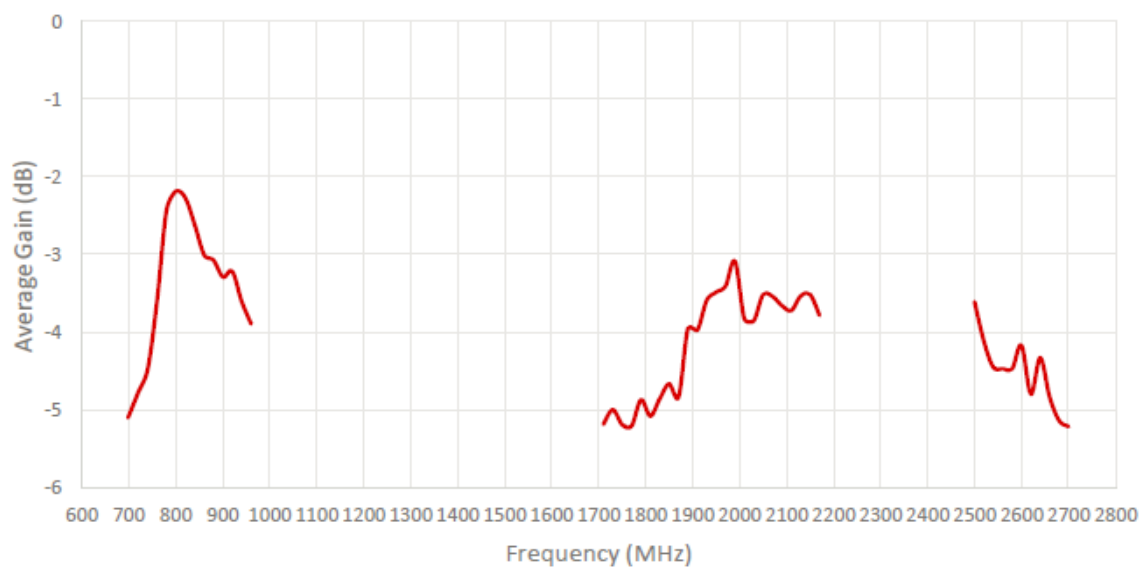
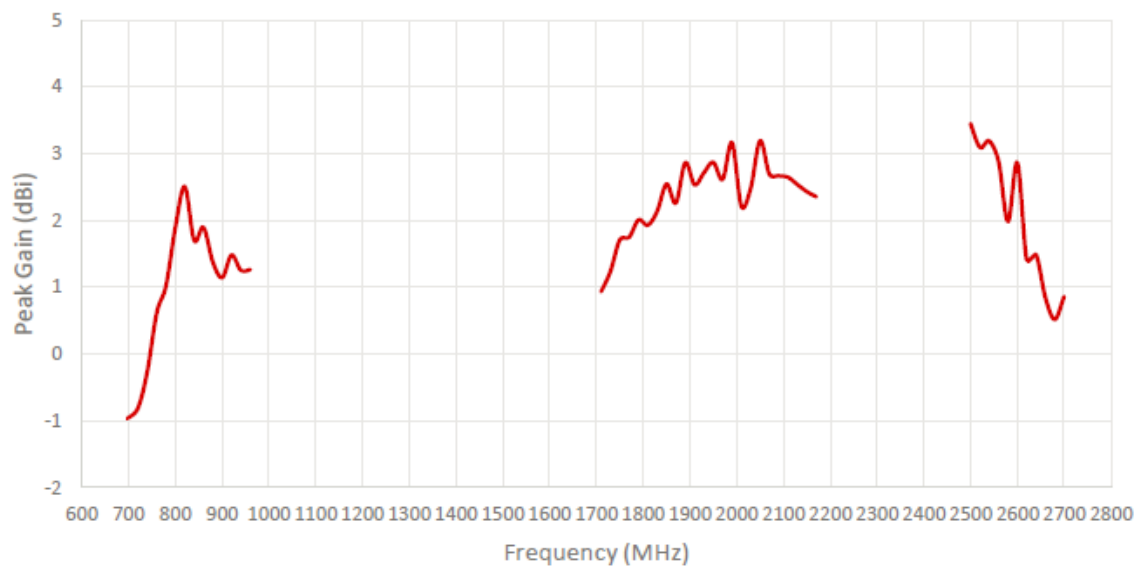
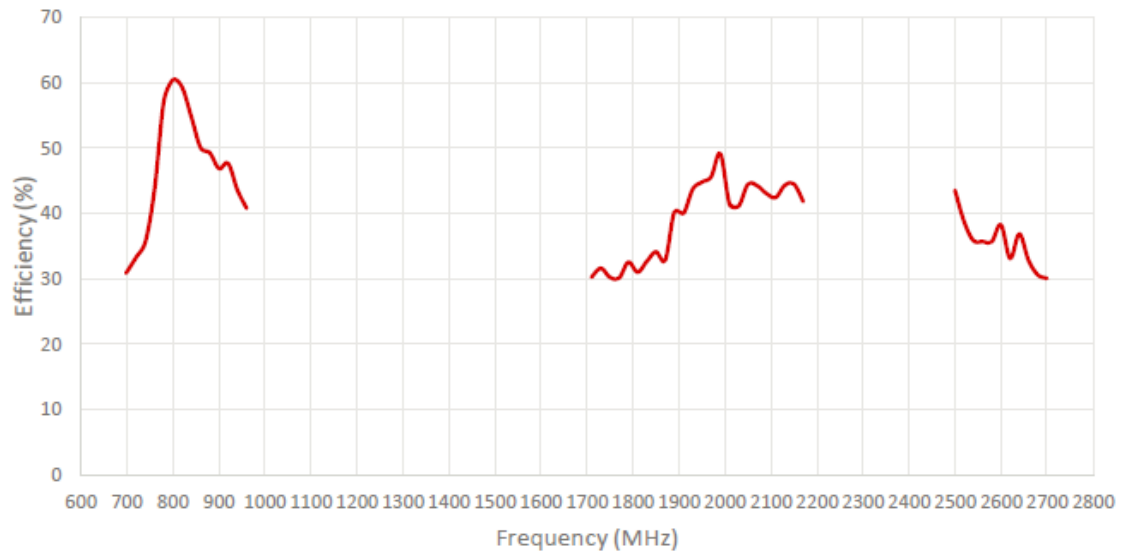
Specifications	2J300M
Mounting Type	Magnetic Mount
Dimensions (mm)	Ø 31 × 72
Radome color	Black
Antenna Base	PP
Whip Material	Brass
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

Dimensions, terminals and mounting



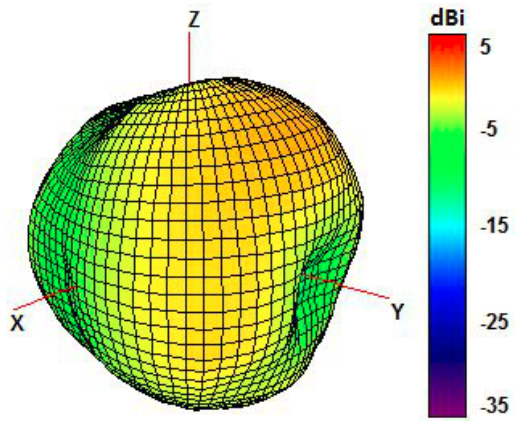
Measurements



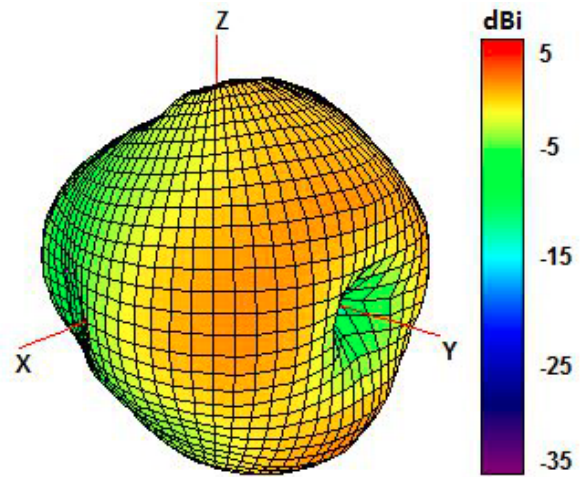


Radiation pattern

750 MHz

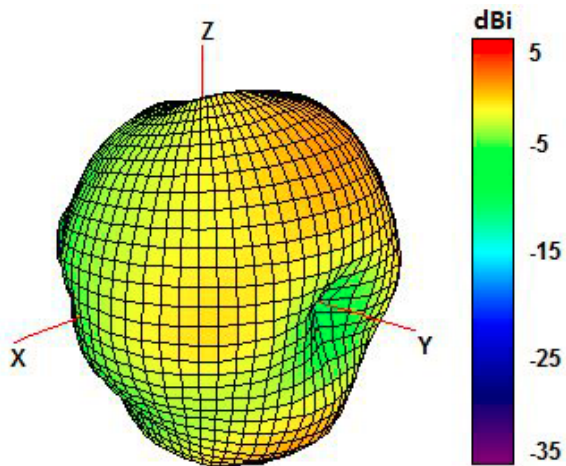


850 MHz

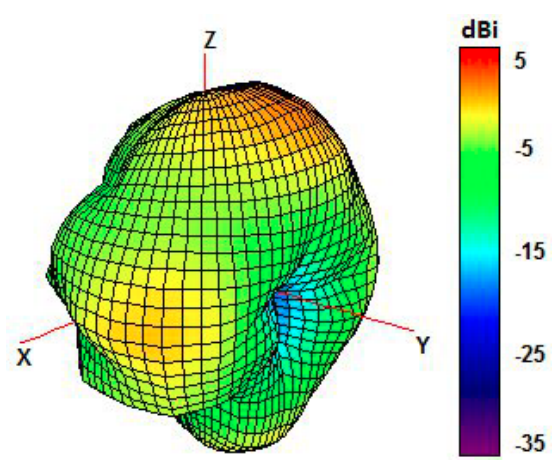


Radiation pattern

940 MHz

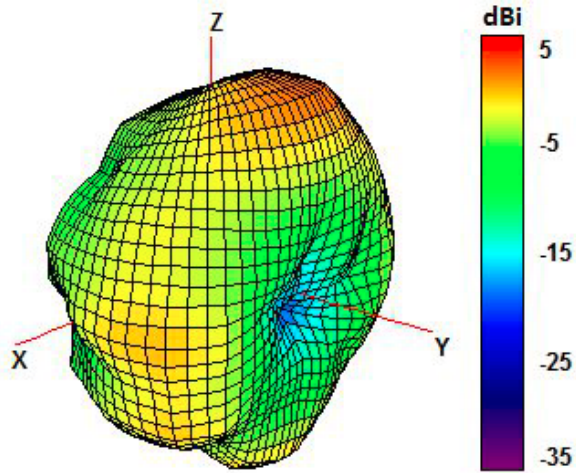


1750 MHz

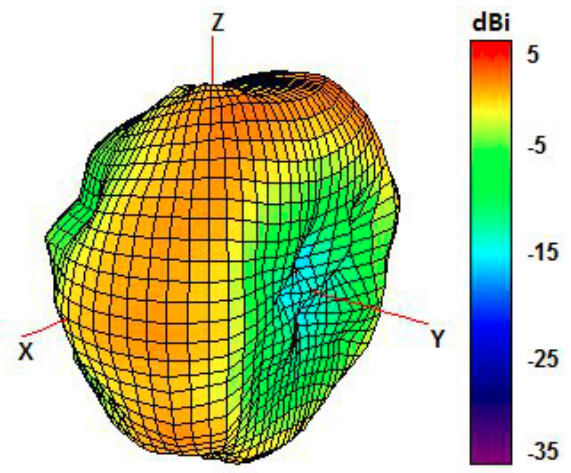


Radiation pattern

1850 MHz

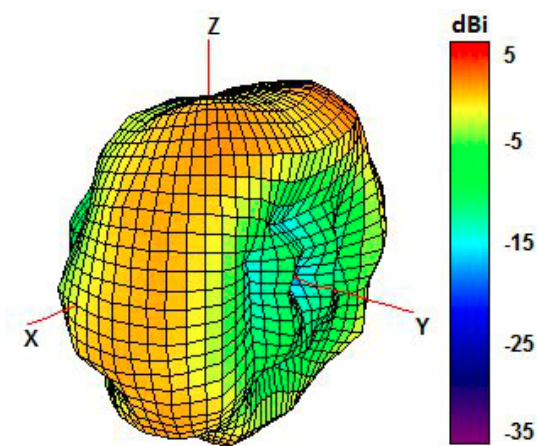


1950 MHz



Radiation pattern

2100 MHz



2600 MHz

