

AMC-ANT-2JW0924-C952B

4G LTE connector mount blade antenna

Features

- Cellular/LTE:
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Connector mount
- Ultra-wide band antenna
- High performance
- Ground plane independent
- Hinged connector
- Dimensions: 170 x 18 x 10mm



1. Antenna and electrical specifications

Parameters	Cellular/LTE antenna		
Standards	2G/3G/4G		
Technologies	GSM, CDMA, DCS, PCS, GPRS, WCDMA, UMTS, HSPA, EVDO, LTE		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698 - 960	1710 - 2170	2500 - 2700
Return loss (dB)	~-12.6	~-14.8	~-16.8
VSWR	~1.7:1	~1.5:1	~1.3:1
Efficiency (%)	~54	~60	~67
Peak gain (dBi)	~-0.6	~2.6	~2.3
Average gain (dB)	~-2.7	~-2.1	~-1.7
Impedance (Ohms)	50		
Polarisation	Linear		
Radiation pattern	Omni-Directional		
Max. input power (W)	25		
Connector type	Swivel SMA male		

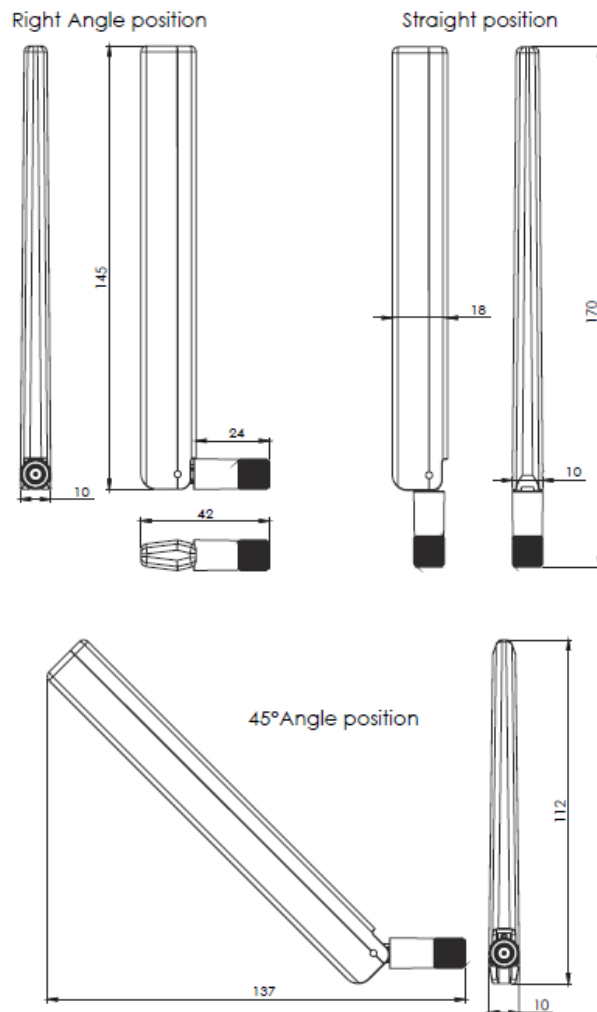
Measurement conditions:

- Free space
- Measured in certified CTIA 3D Anechoic chamber

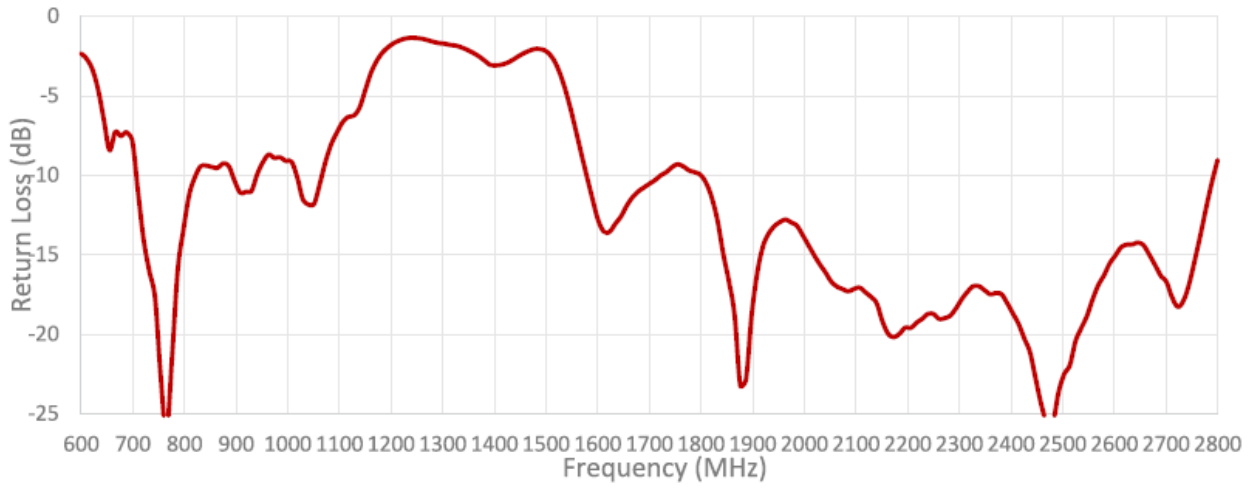


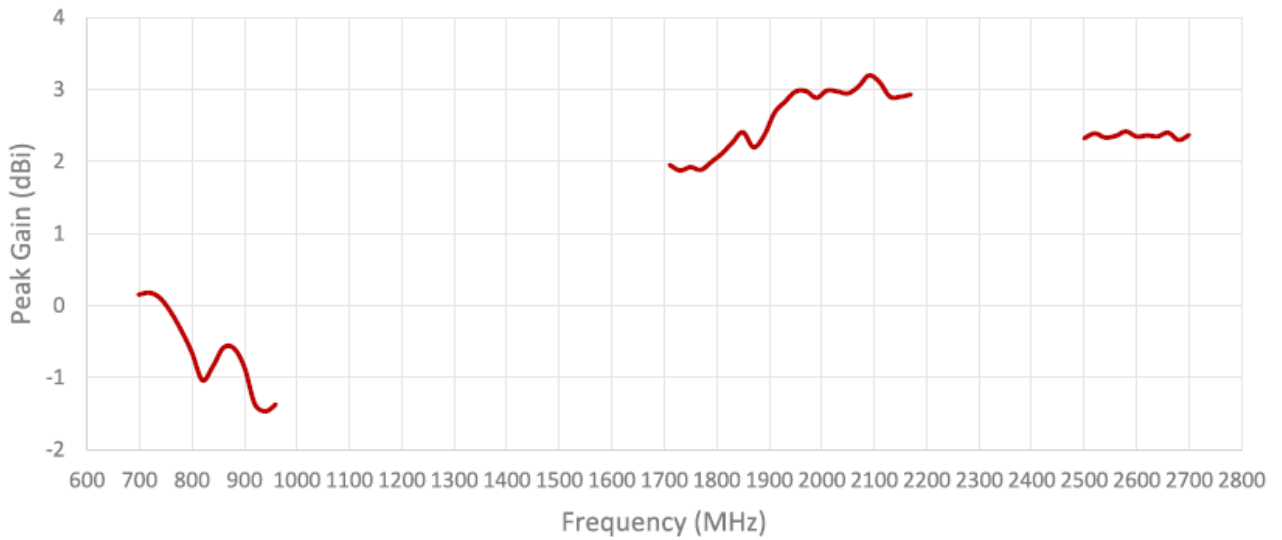
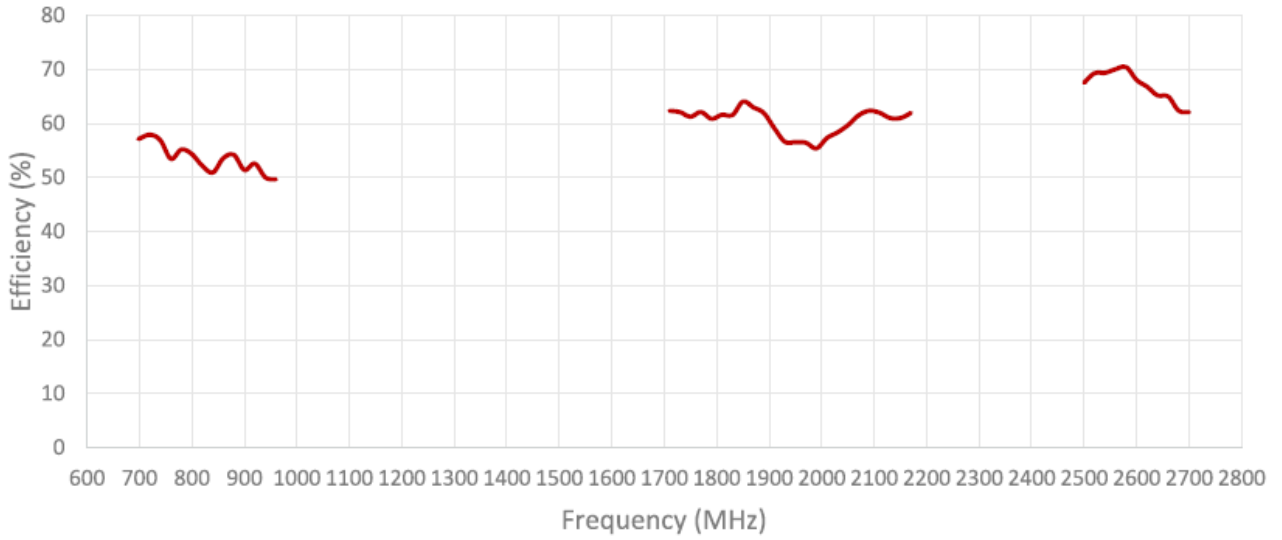
2. Mechanical and environmental specifications

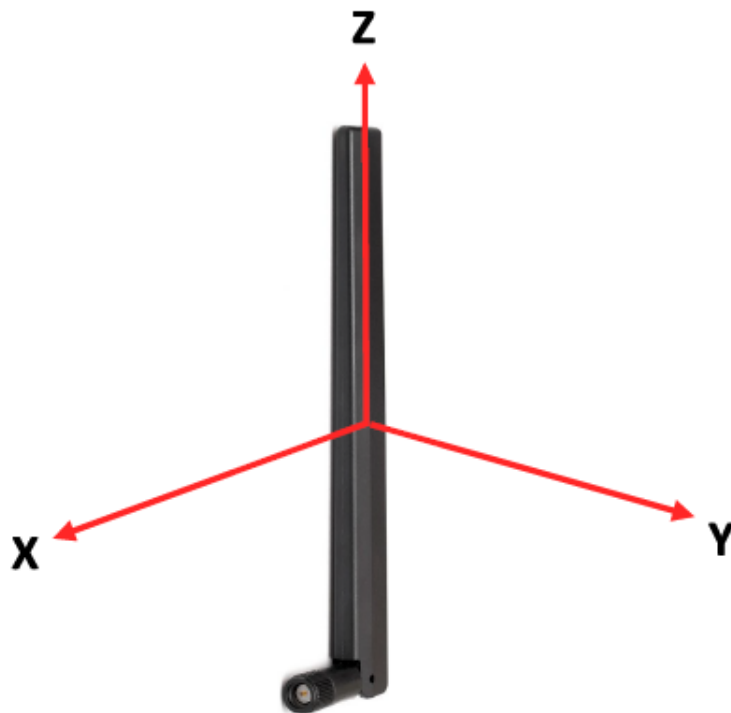
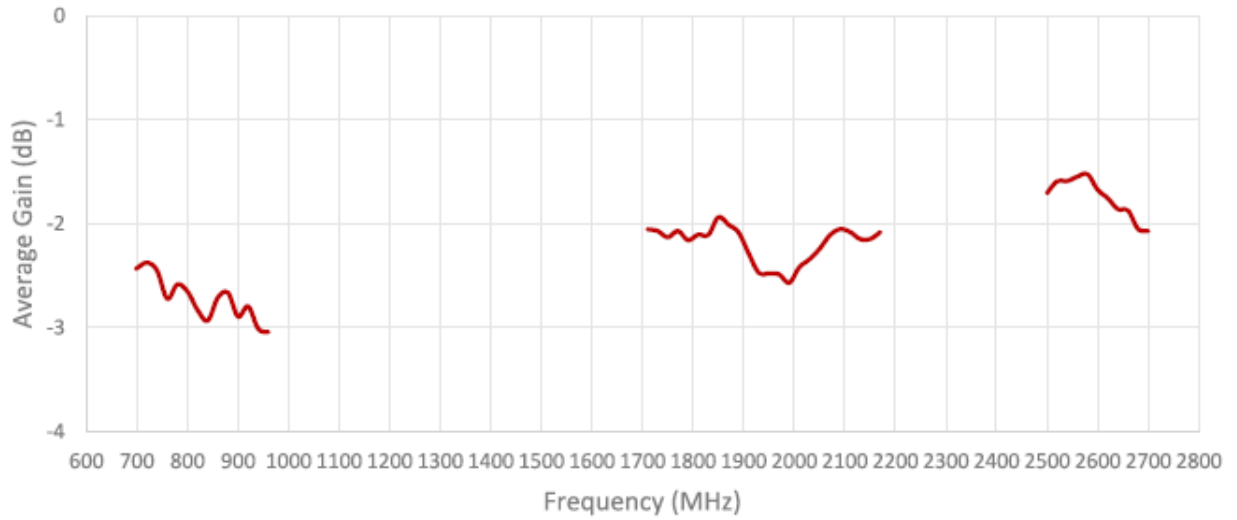
Mounting type	Connector mount
Dimensions (mm)	170 x 18 x 10
Radome	PC/ABS UV stable
Radome colour	Black
Connector Feature	Hinged
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS



3. Antenna parameters

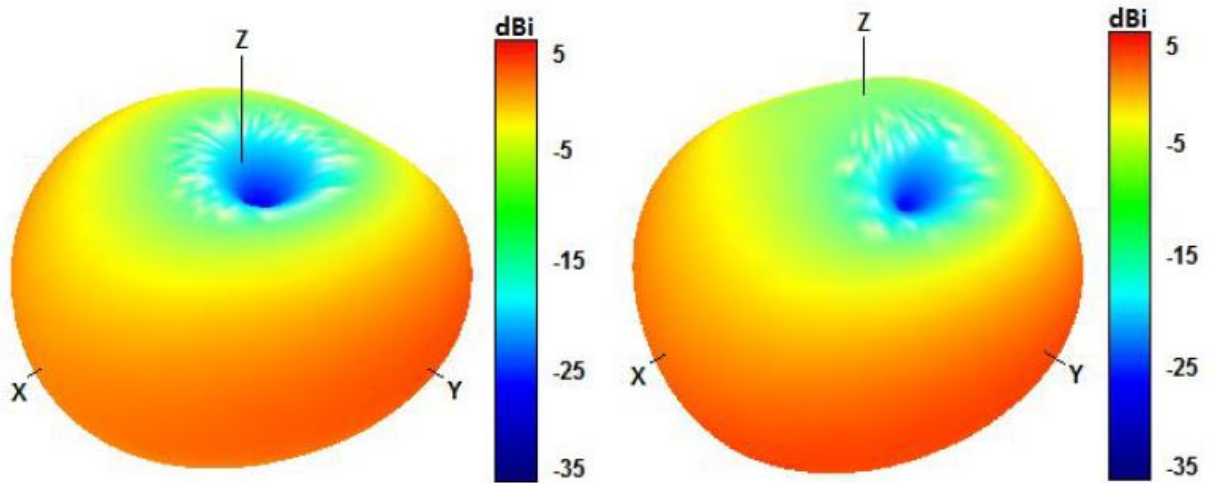




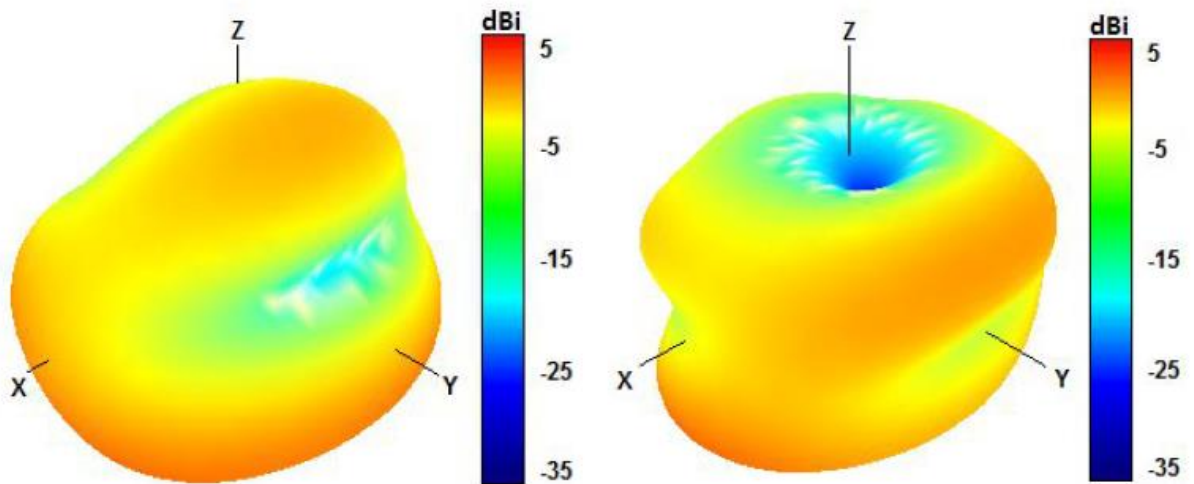


Radiation pattern reference



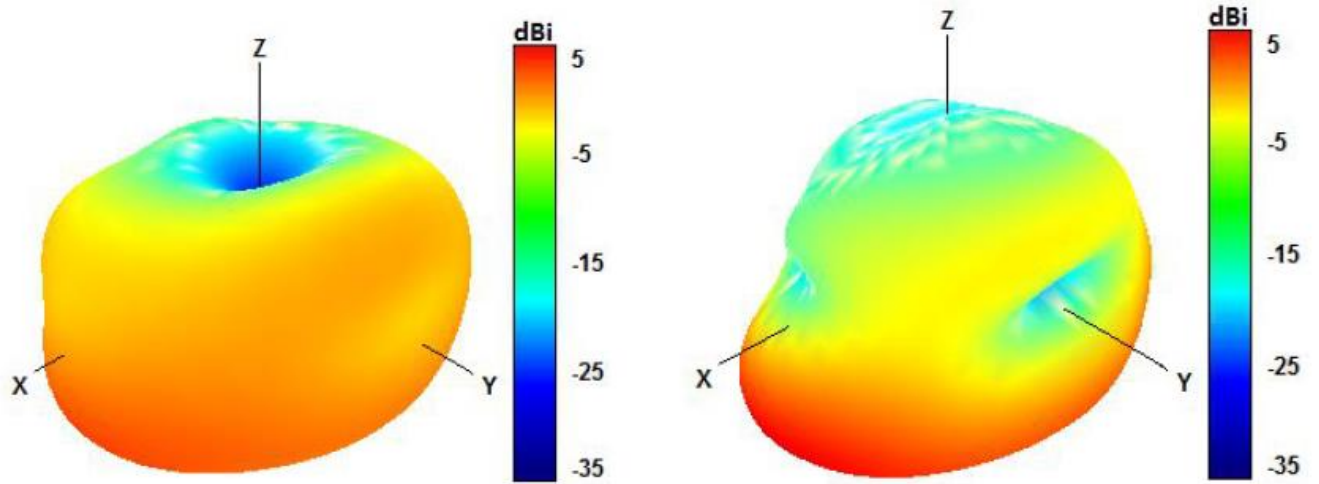


750 and 850 MHz Radiation pattern

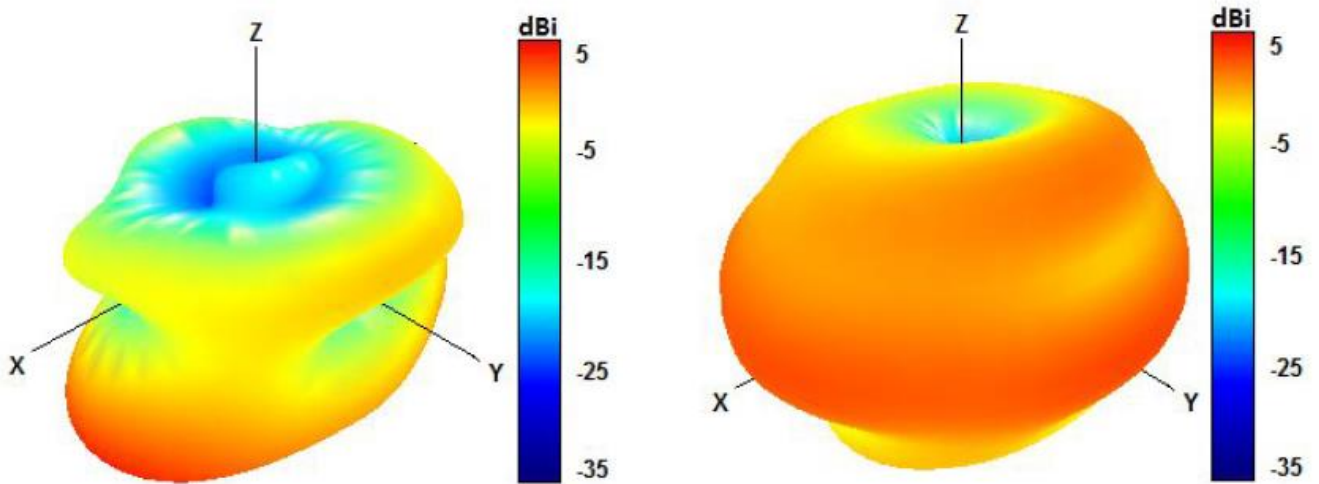


940 and 1750 MHz Radiation pattern





1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

