

AMC-ANTEP0704P

2G/3G cellular rigid fibreglass antenna

Features

- Cellular
 - 698 – 960MHz
 - 1710 – 2170MHz
- Embedded antenna
- Self-adhesive
- Ground plane independent
- Dimensions: 75 x 8.1 x 0.8mm
- Customisable cable and connector



1. Antenna and electrical specifications

Standards	2G and 3G	
Band (MHz)	850/900	1700/1800/1900/2100
Frequencies (MHz)	824 - 960	1710 - 2170
Return loss (dB)	~-9.0	~-13.0
VSWR	~2.5:1	~1.7:1
Efficiency (%)	~32.6	~39.1
Peak gain (dBi)	~-1.3	~-1.3
Average gain (dB)	~-4.9	~-4.1
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation pattern	Omni-directional	
Max. input power (W)	25	
Connector type	U.FL standard (other connectors available)	
Cable length	100mm standard (other lengths available)	
Cable type	1.37mm standard (other cables available)	

Antenna measurement conditions:

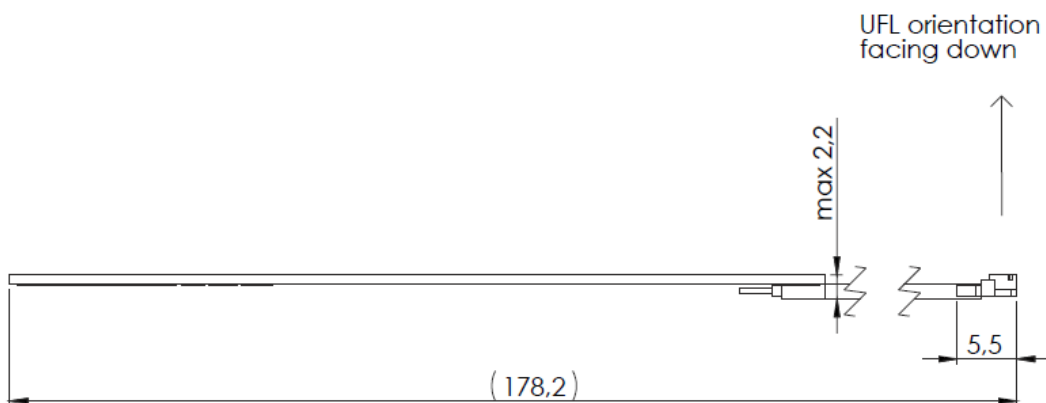
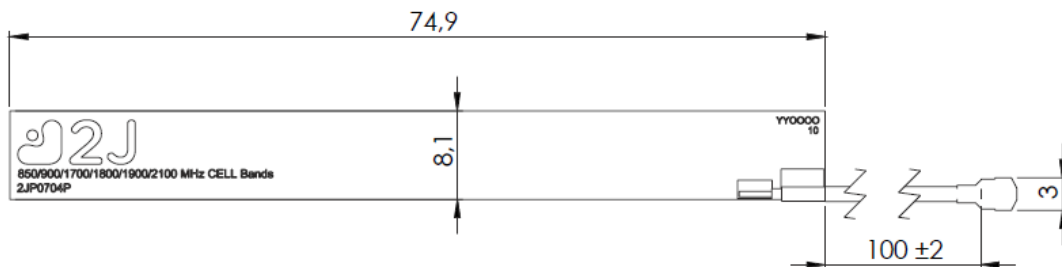
- Mounted on 30 x 30cm x 0.25cm ABS plate
- 100mm 1.37mm cable
- Measured in certified CTIA 3D anechoic chamber



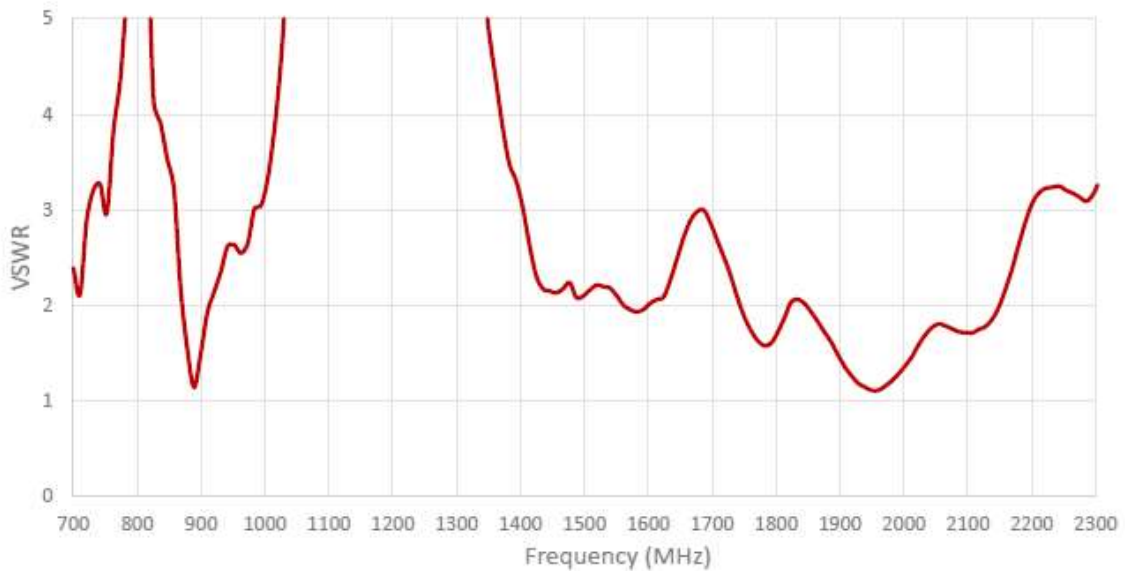
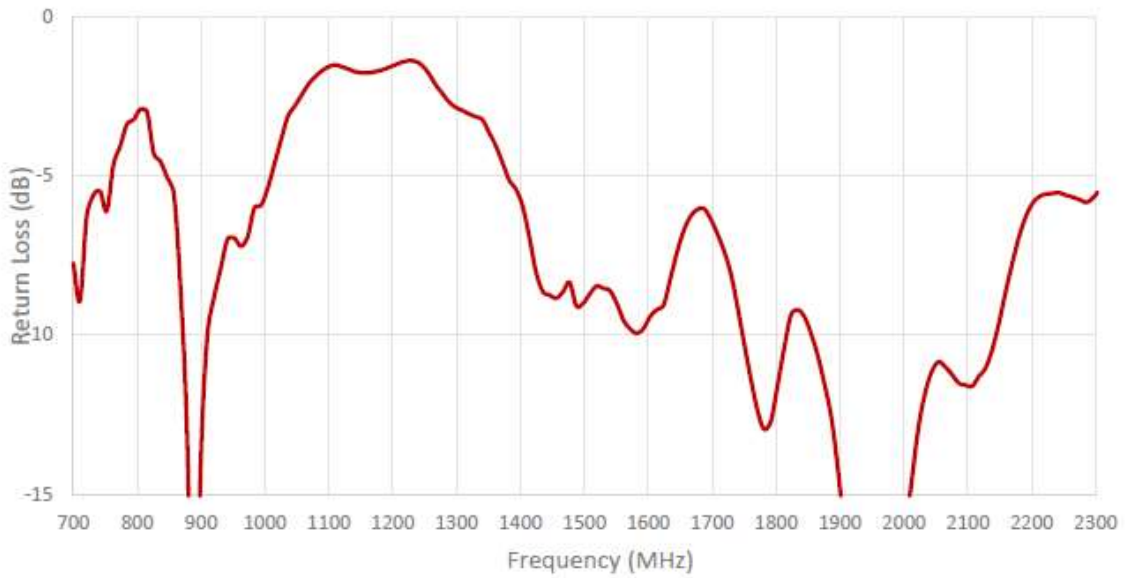
2. Mechanical and environmental specifications

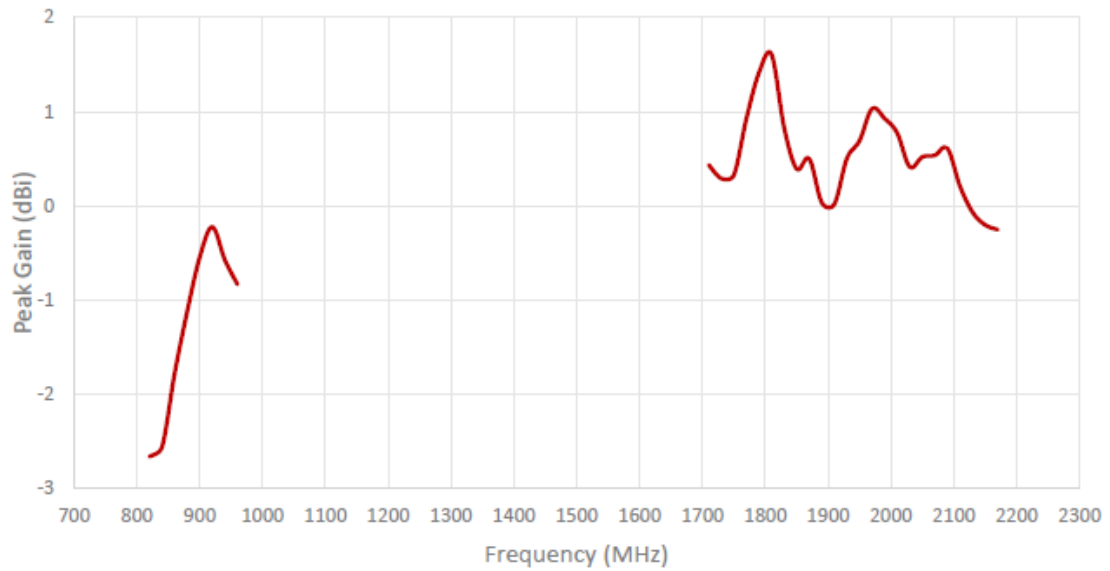
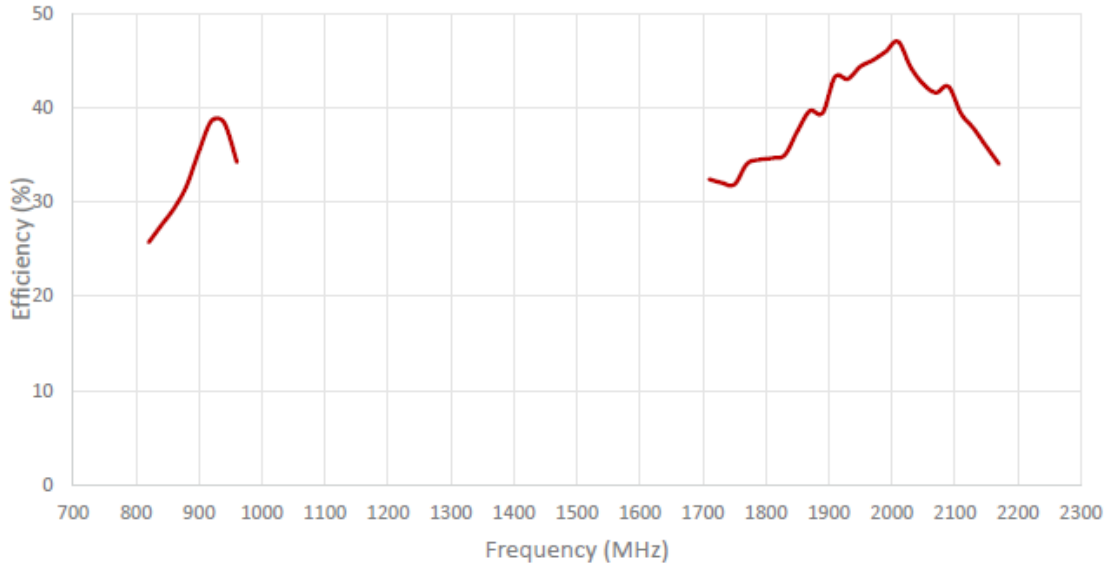
Mounting type	Self-adhesive
Dimensions (mm)	75 x 8.1 x 0.8mm
Adhesive type	3M 467
Material	Rigid fibreglass
Operating temperature (°C)	-40 to +85
Storage temperature (° C)	-40 to +85
Substance compliance	RoHS

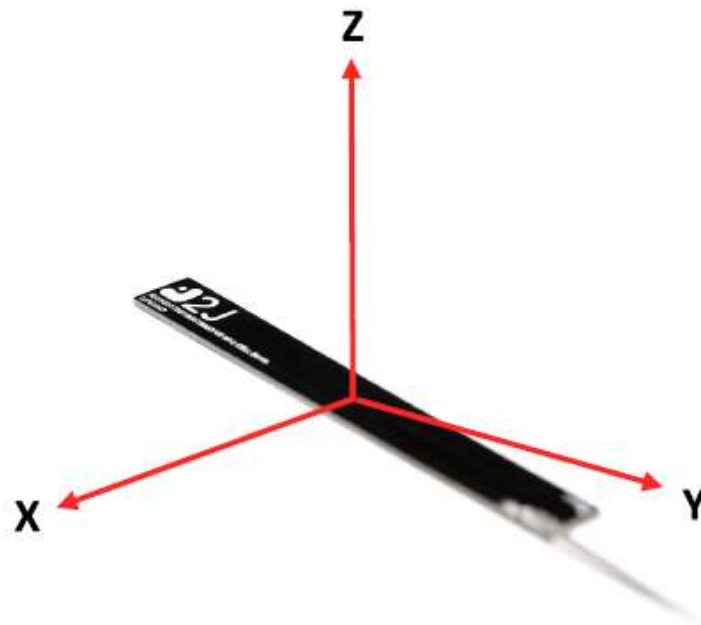
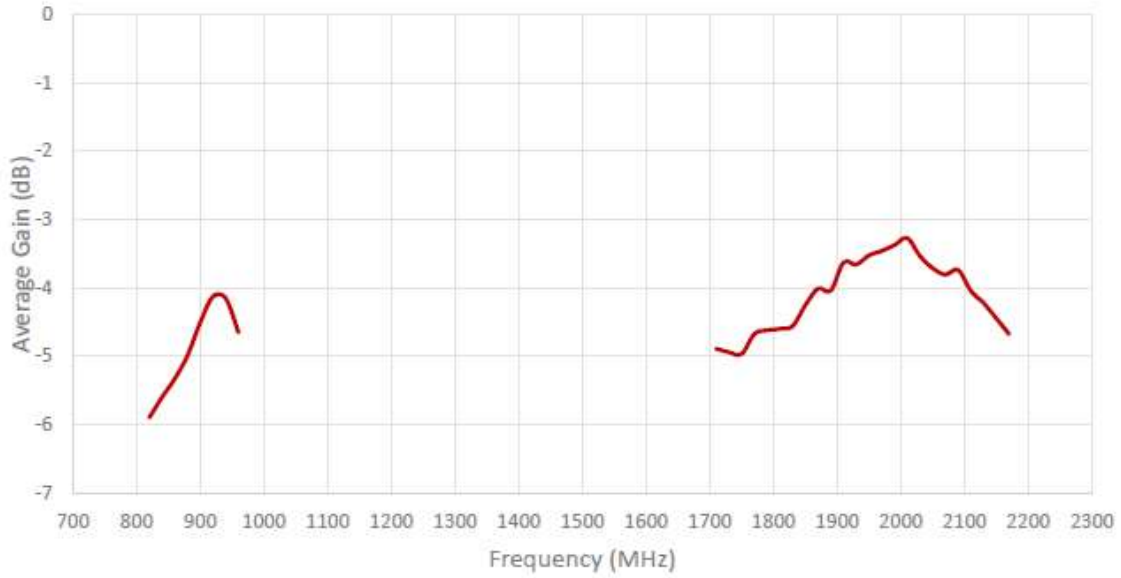
3. Antenna drawings



4. Antenna parameters

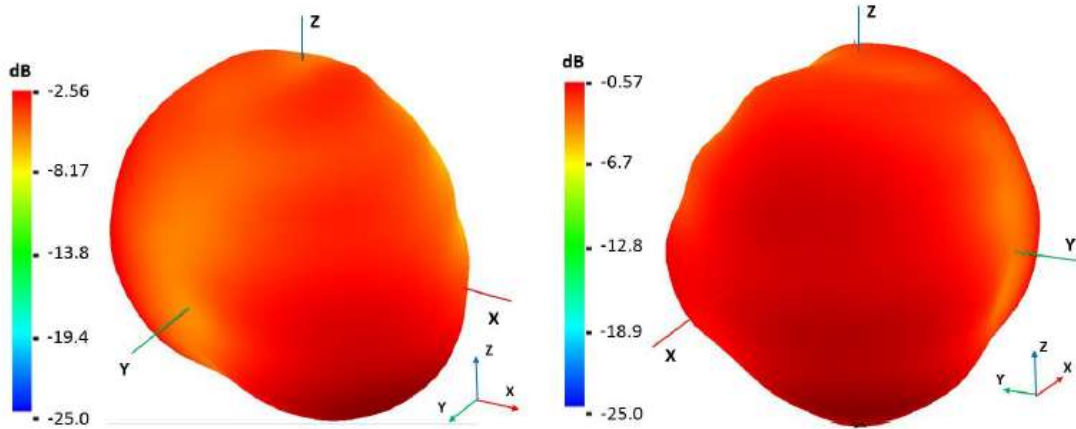




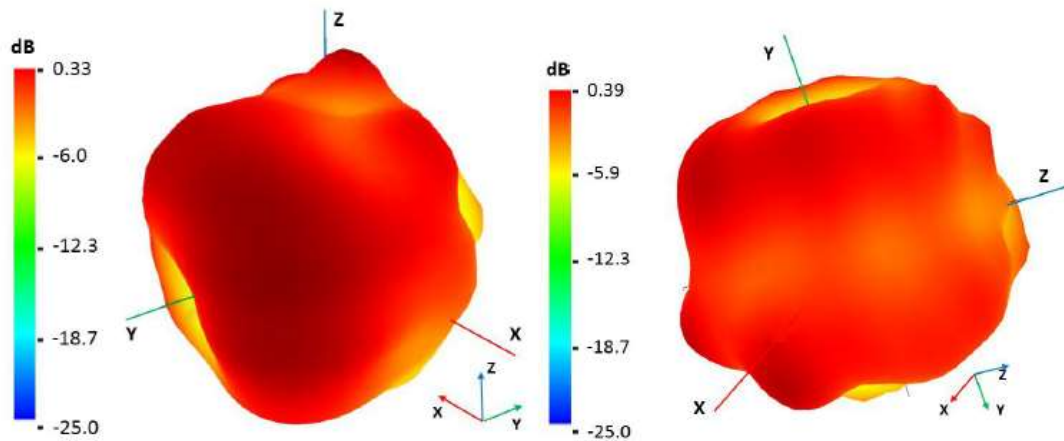


Radiation pattern reference

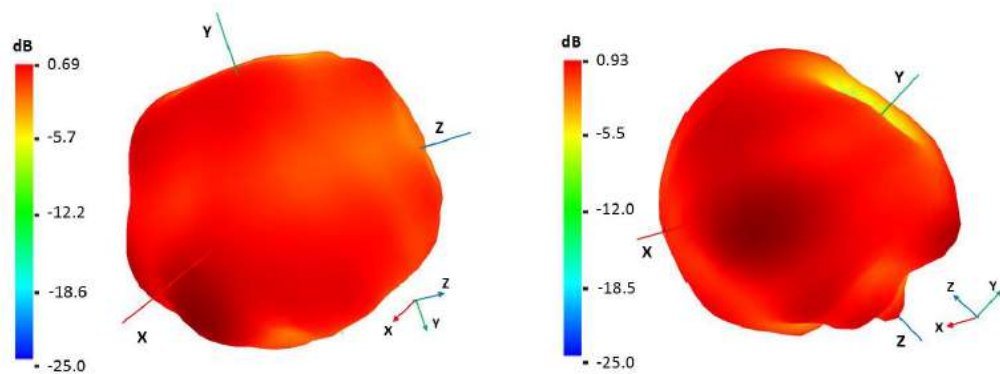




850 and 940 MHz Radiation pattern



1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

