

2JP0224

CELLULAR / LTE Rigid Fiberglass

Key Features

CELLULAR / LTE

- 698-960 MHz

- 1710-2170 MHz

- 2500-2700 MHz

Embedded Antenna

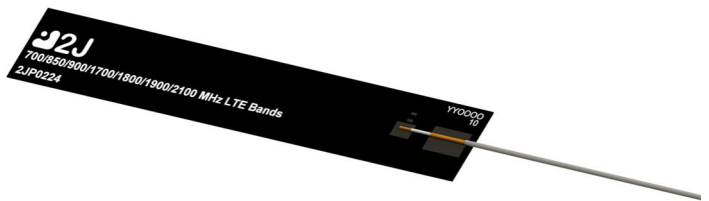
Self-Adhesive

High Performance

Ground Plane Independent

Dimensions 115 x 19.2 x 0.8 mm

Customizable Cable and Connector



1. Antenna and electrical specifications

Parameters	CELLULAR / LTE Antenna	
Standards	2G,3G and 4G	
Band (MHz)	700/850/900	1700/1800/1900/2100
Frequency (MHz)	698-960	1710-2170
Return Loss (dB)	~-12.4	~-14.8
VSWR	~1.7:1	~1.6:1
Efficiency (%)	~52	~56
Peak Gain (dBi)	~0.8	~2.7
Average Gain (dB)	~-2.8	~-2.5
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	Most RF Connectors (U.FL Standard)	
Cable Length	Any Cable Length (150mm Standard)	
Cable Type	Other Cables Available (1.37mm Standard)	

Antenna Measurement Conditions:

Mounted on 30 x 30 cm ABS Plate with 2.5 mm Thickness

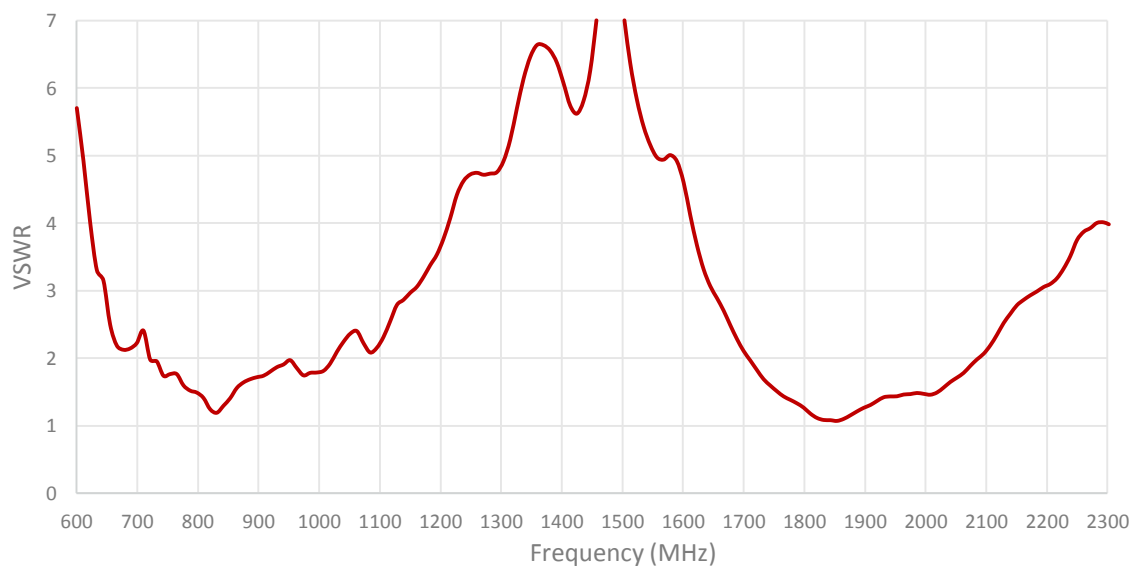
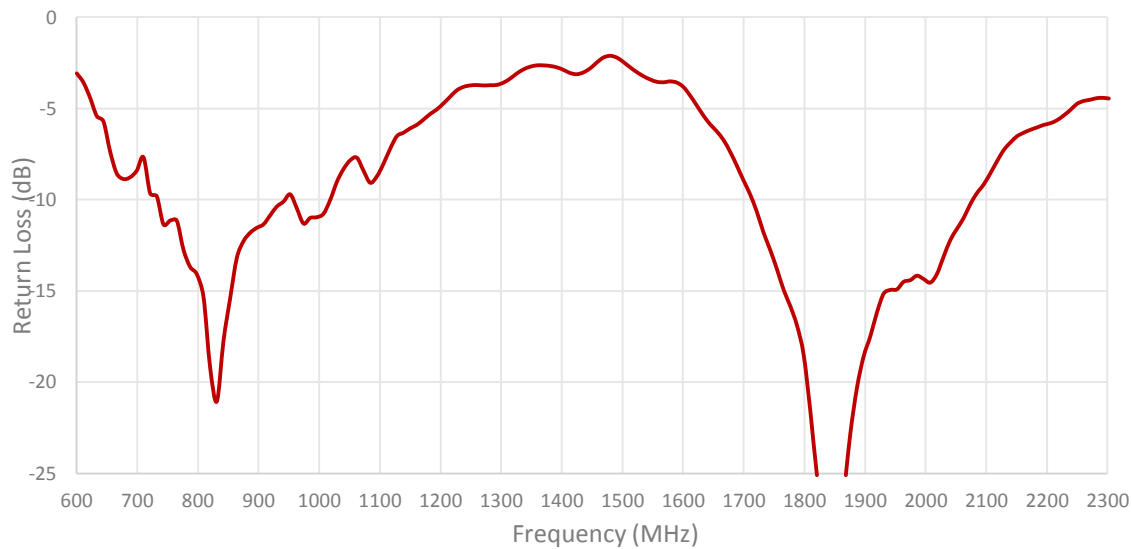
150 mm 1.37 mm Cable

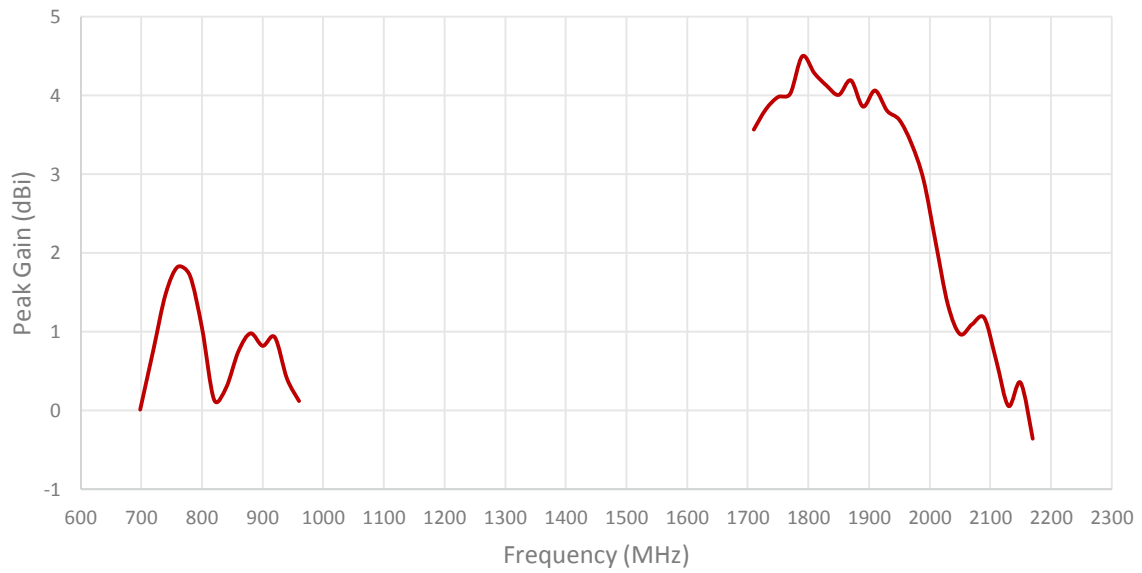
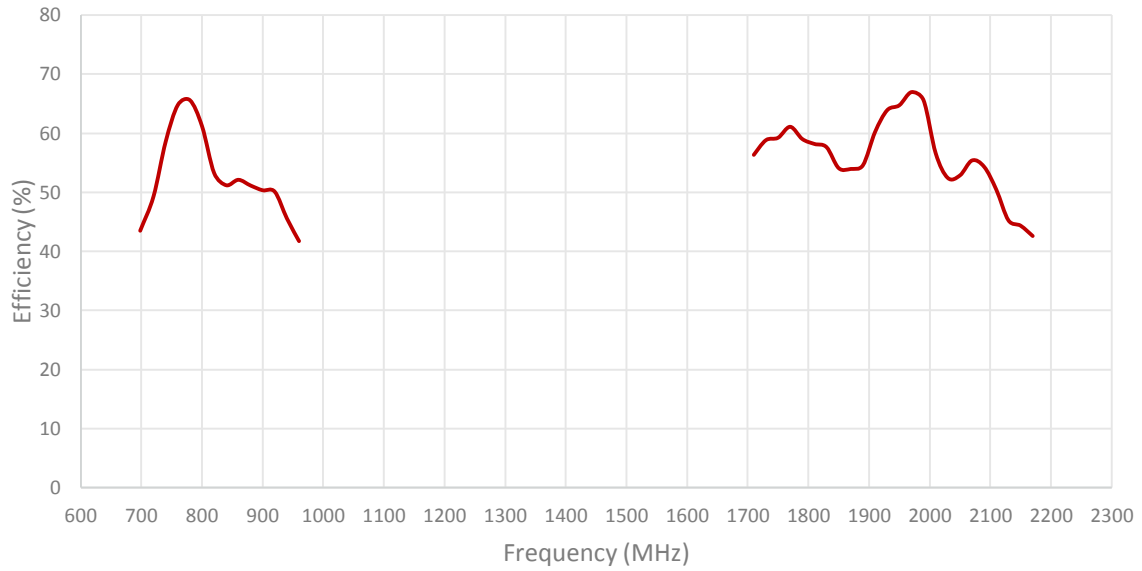
Measured in Certified CTIA 3D Anechoic Chamber

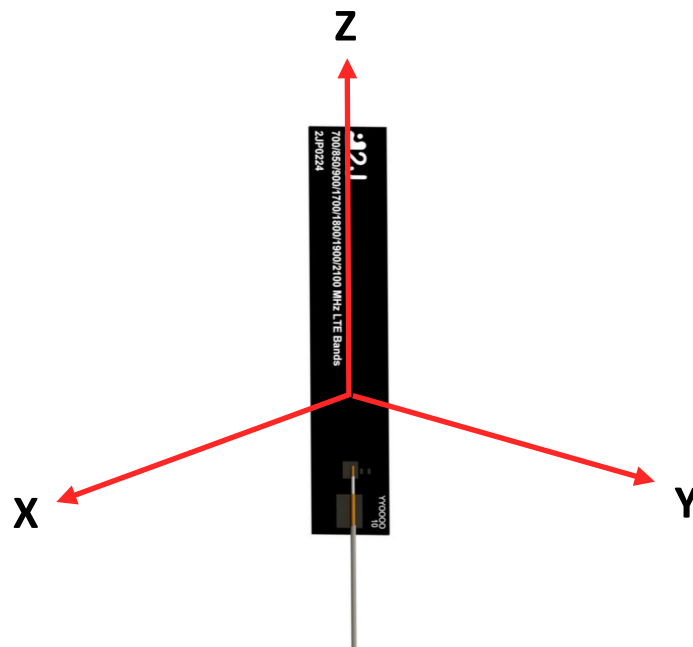
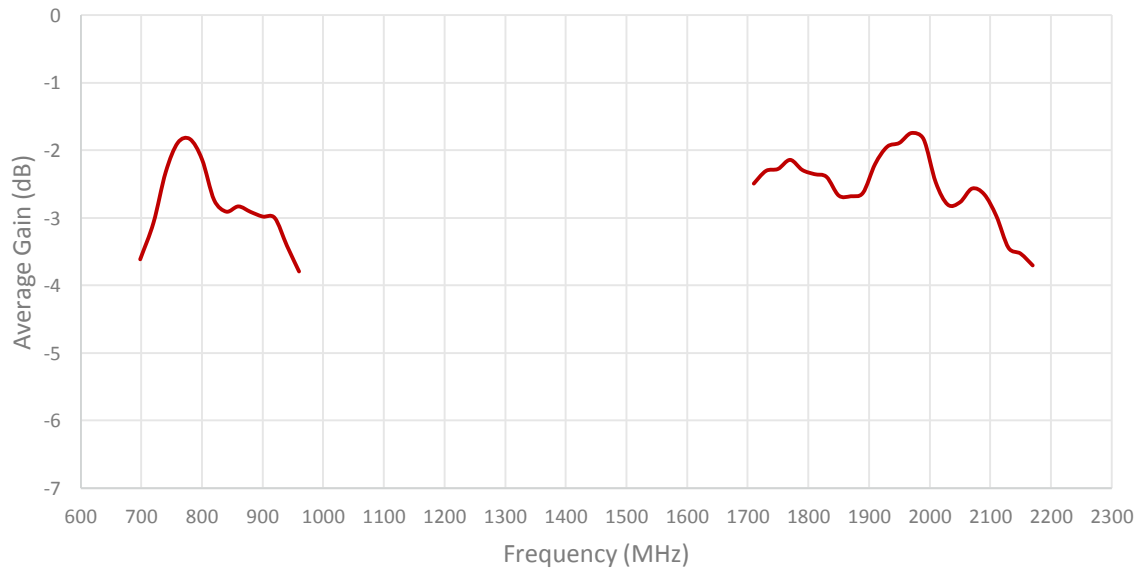
2. Mechanical and environmental specifications

Specifications	2JP0224
Mounting Type	Adhesive Mount
Dimensions (mm)	115 x 19.2 x 0.8
Adhesive Type	3M 467
Material	Rigid Fiberglass
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

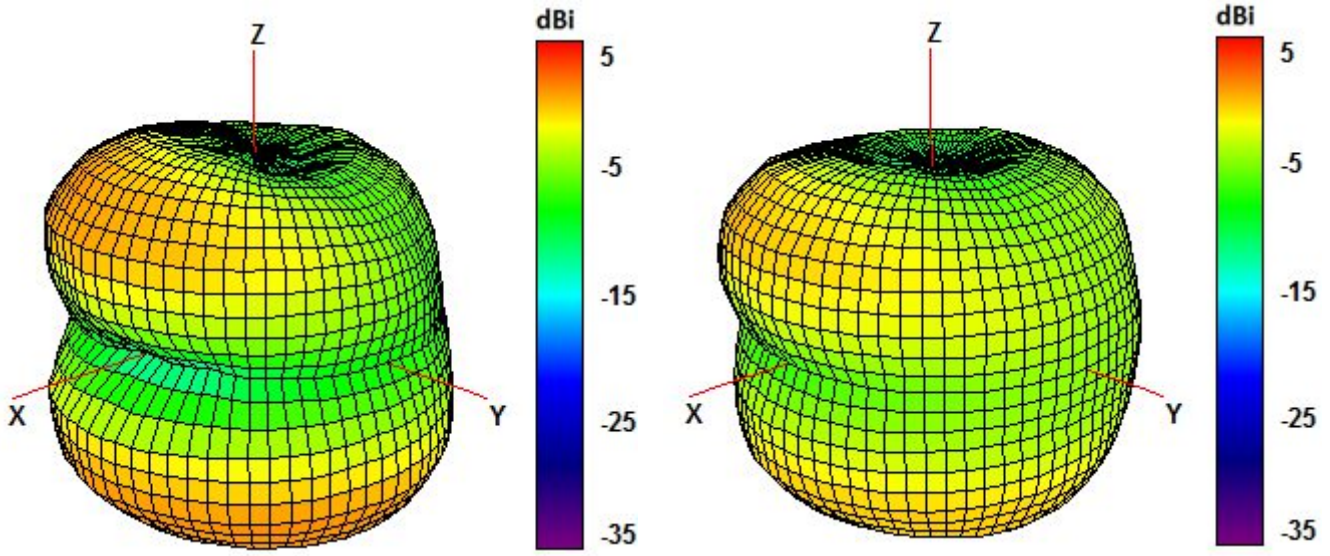
3. Antenna parameters



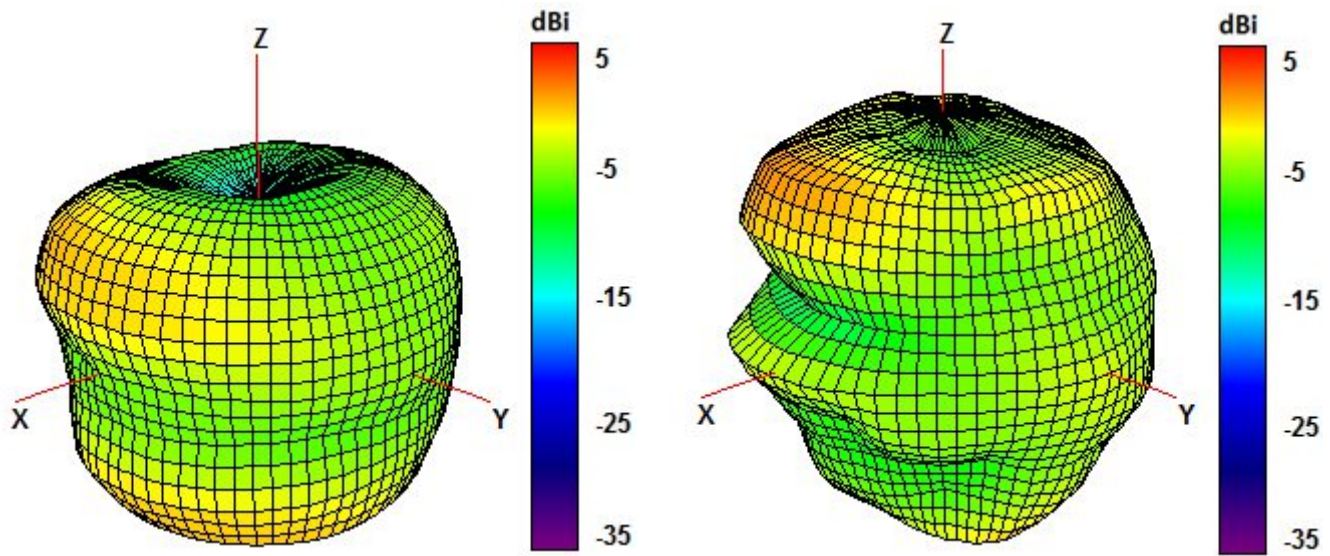




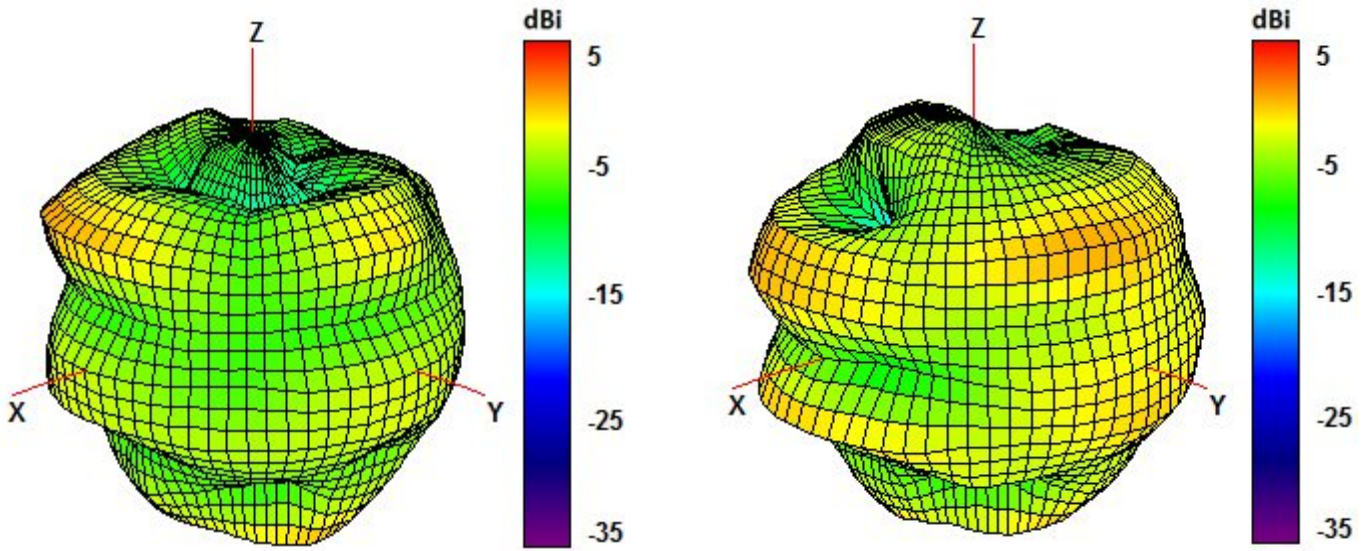
Radiation pattern reference



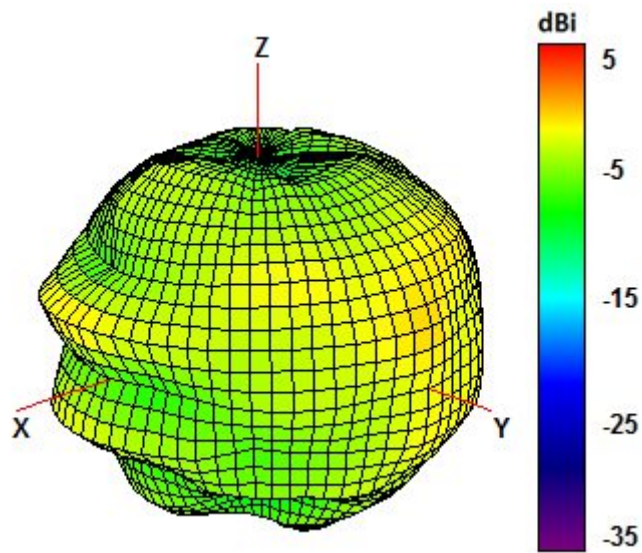
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

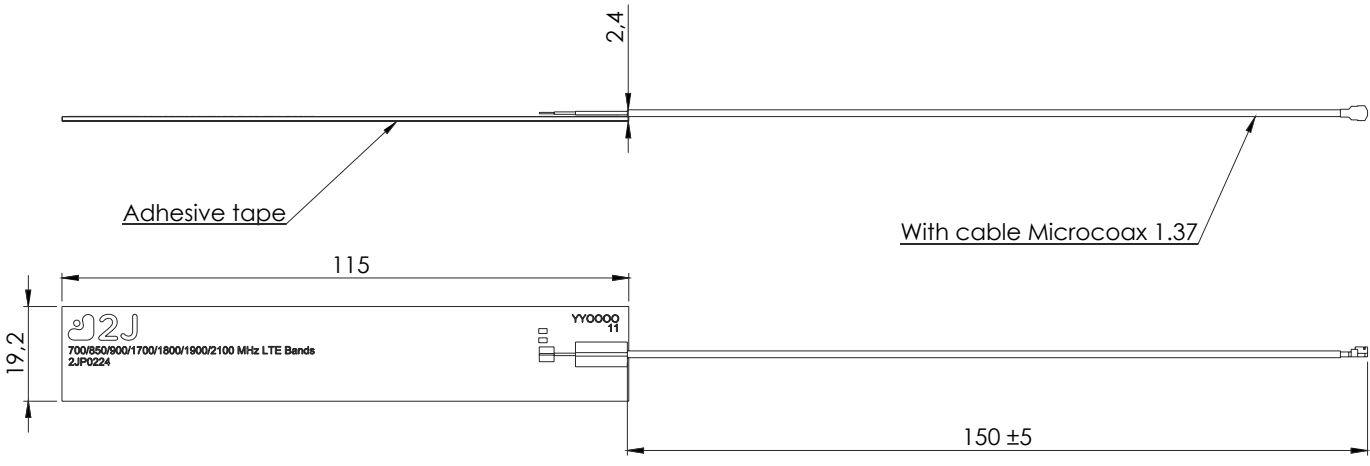


1850 and 1950 MHz Radiation pattern



2100 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

