

2J6824MP

CELLULAR/LTE Adhesive/Magnetic Mount

Key Features

CELLULAR/LTE

- 698-960 MHz
- 824-960 MHz
- 1710-2170 MHz

Adhesive/Magnetic Mount

Ground Plane Dependent

Customizable Cable and Connector

Dimensions 117 x 49.5 x 38 mm



1. Antenna and electrical specifications

Parameters	CELLULAR / LTE Antenna		
Standards	2G,3G and 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~-10.1	~-10.5	~-14.0
VSWR	~2.3:1	~2.0:1	~1.6:1
Efficiency (%)	~46.6	~38.8	~48.7
Peak Gain (dBi)	~1.2	~1.9	~3.1
Average Gain (dB)	~-3.5	~-4.1	~-3.1
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	SMA-Male (Other connectors available)		
Cable Length	300 cm (Customizable length available)		
Cable Type	LL100 (Other cable type available)		

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Ground Plane

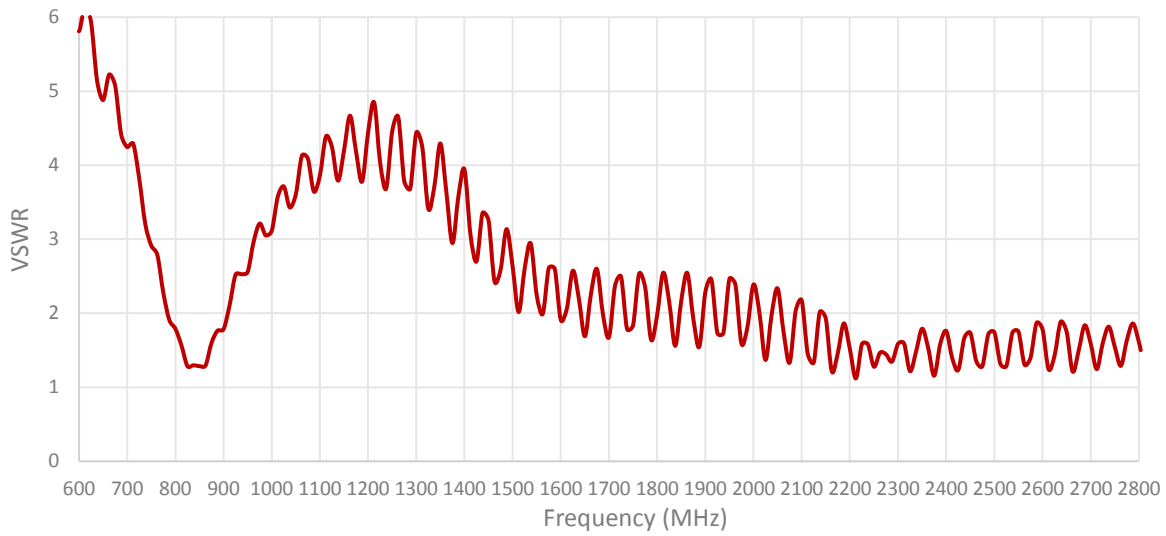
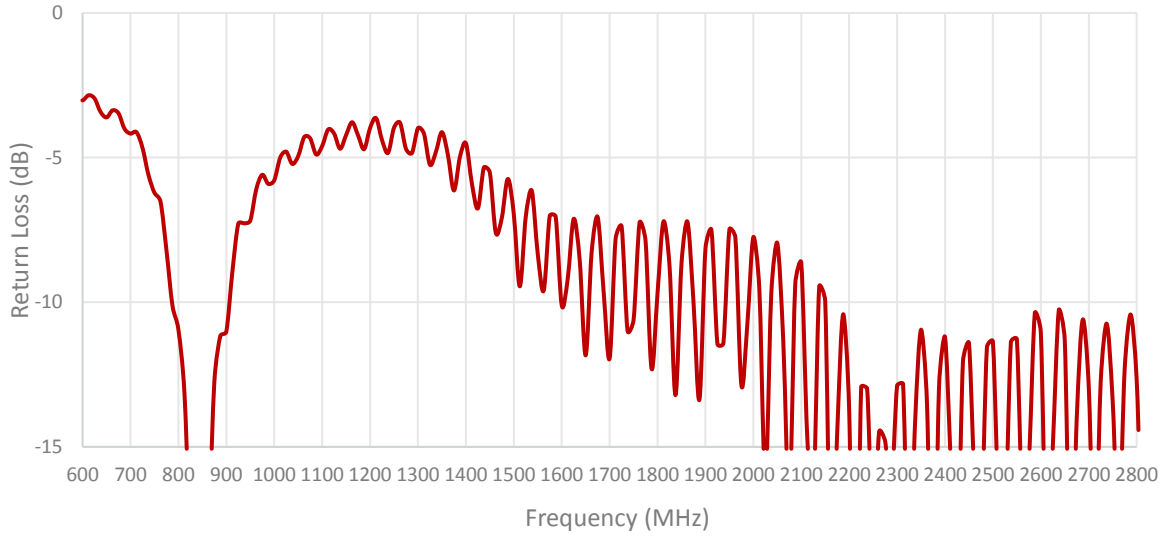
LL100 200 cm Cable Length

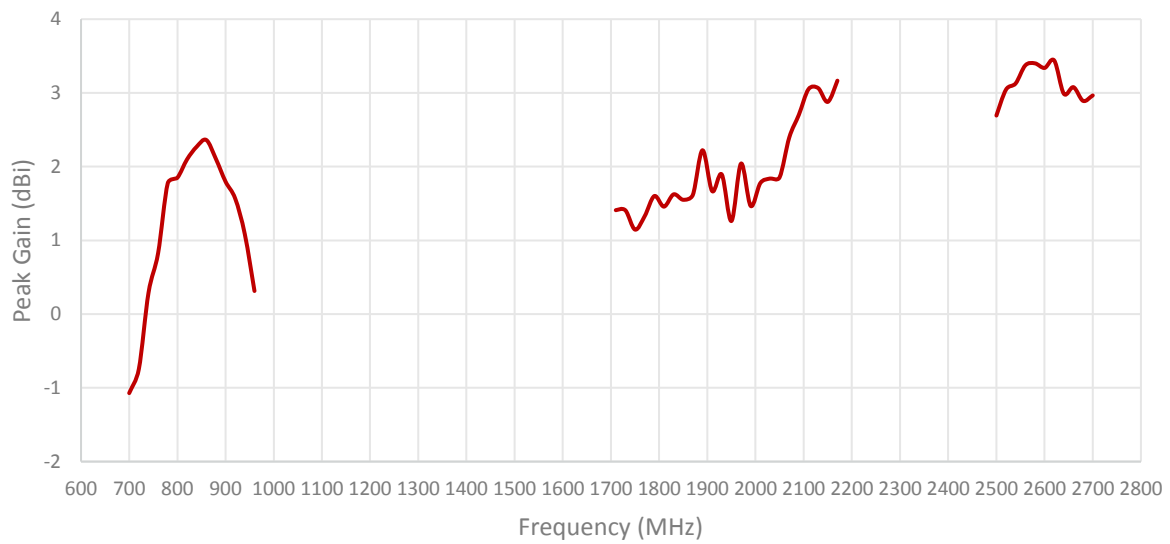
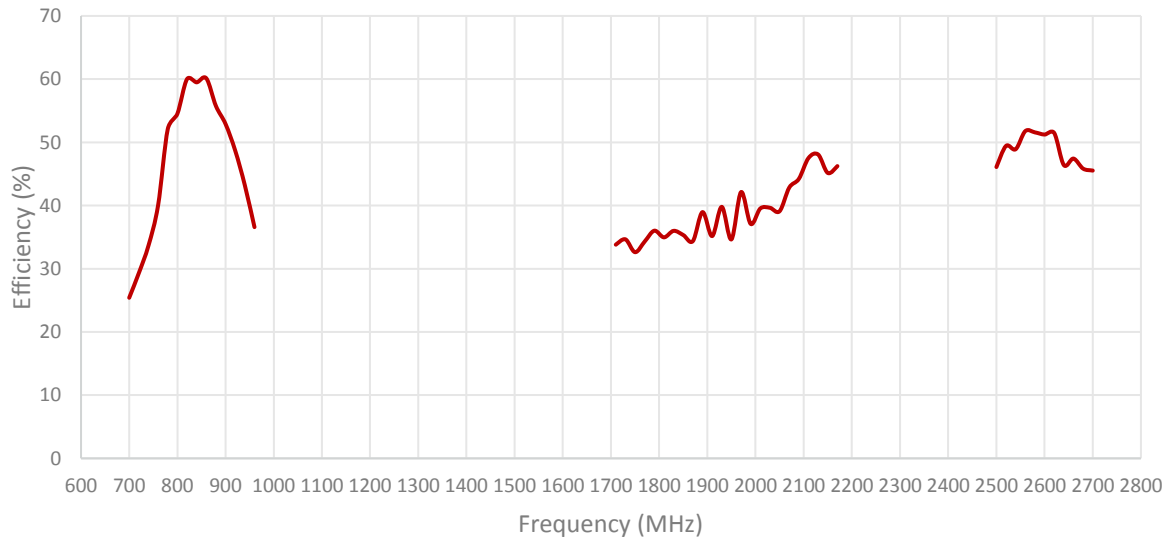
Measured in Certified CTIA 3D Anechoic Chamber

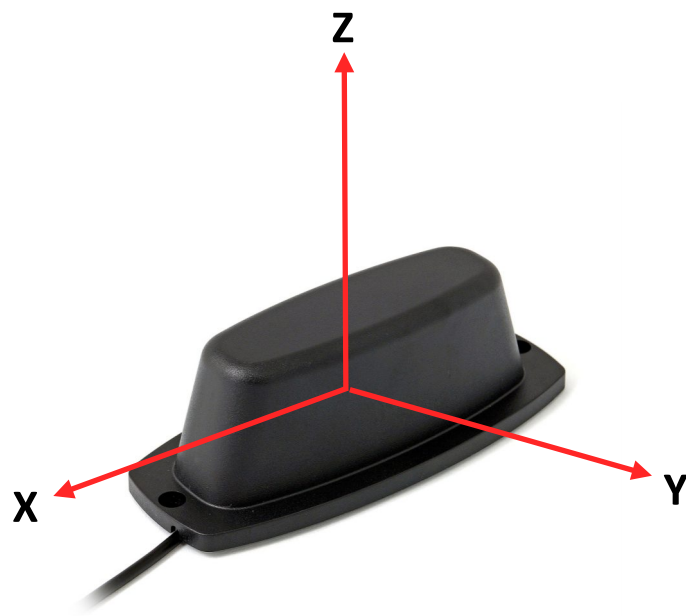
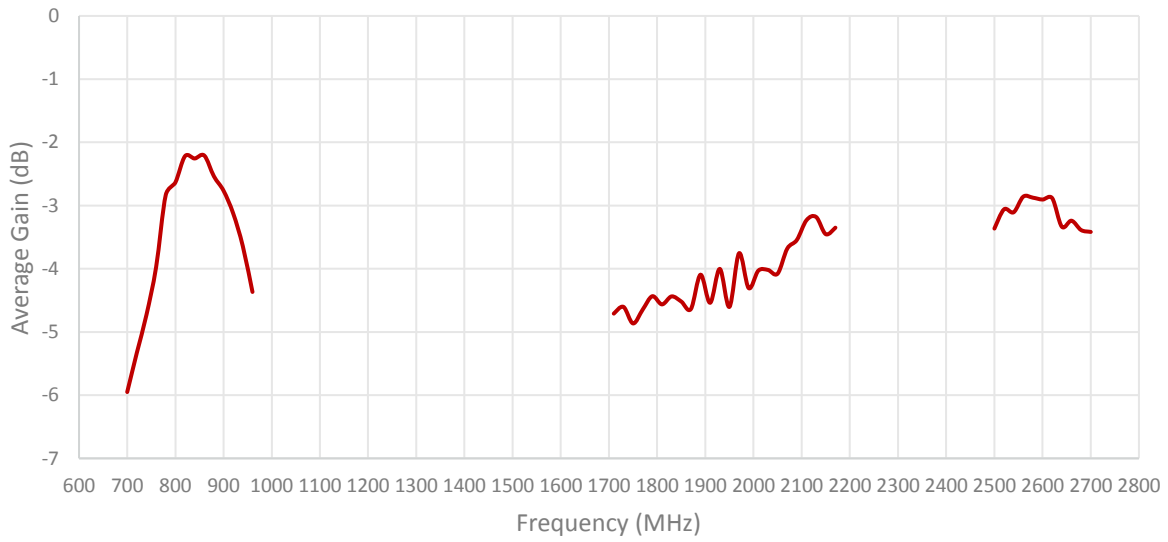
2. Mechanical and environmental specifications

Specifications	2J6824MP
Mounting Type	Adhesive/Magnetic Mount
Dimensions (mm)	117 x 49.5 x 38
Radome	PC/ABS UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

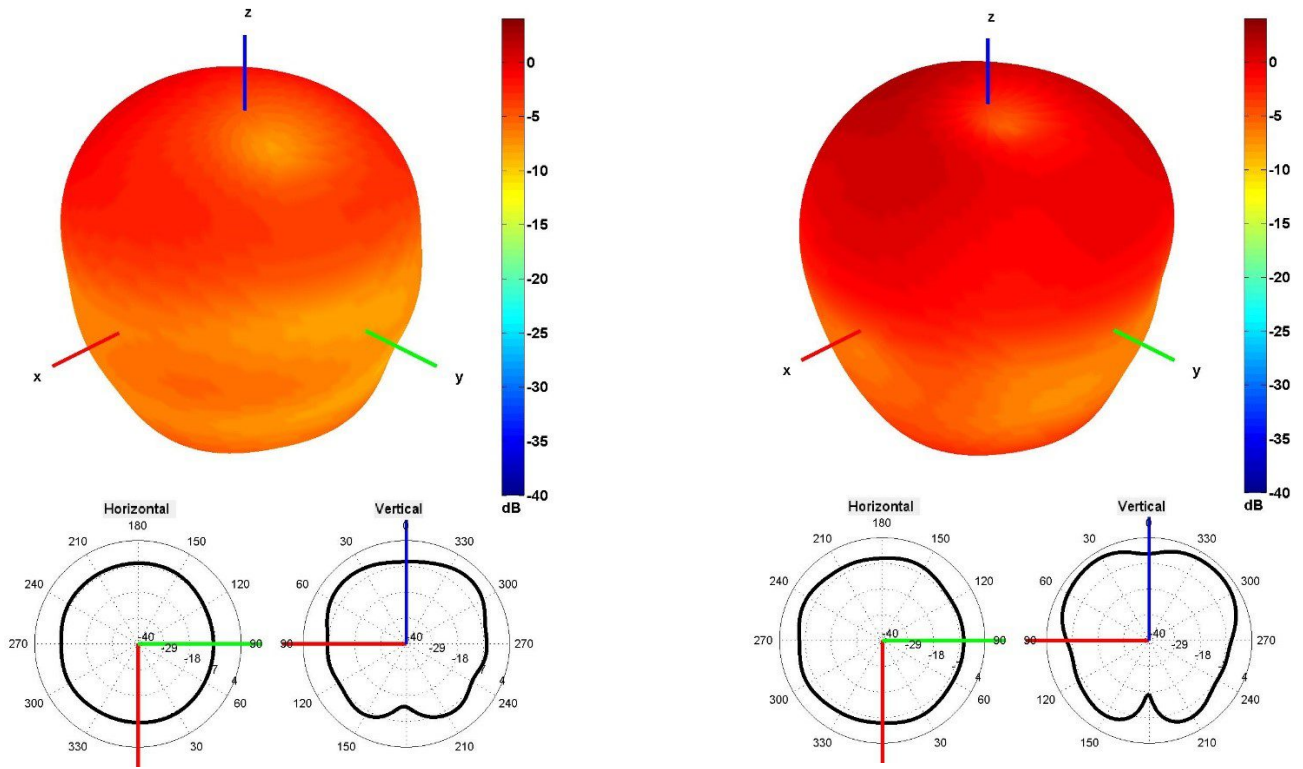
3. Antenna parameters



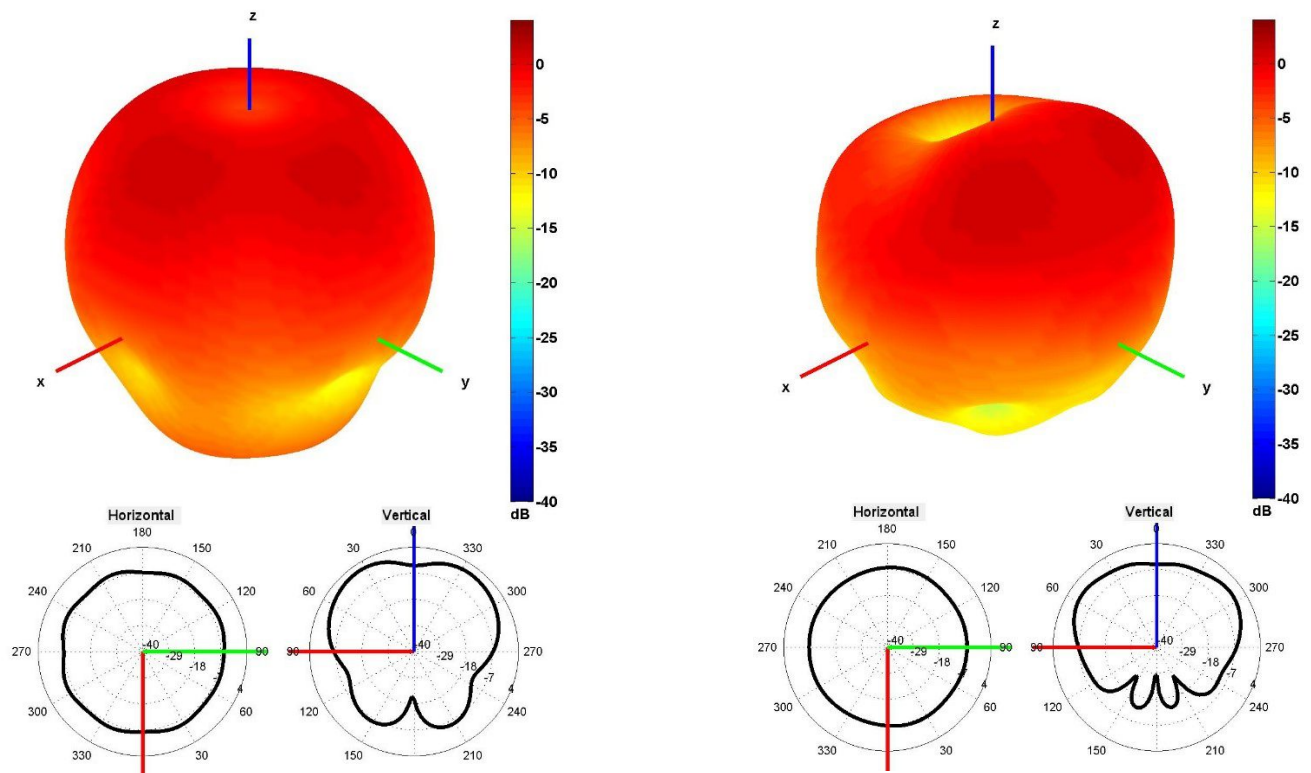




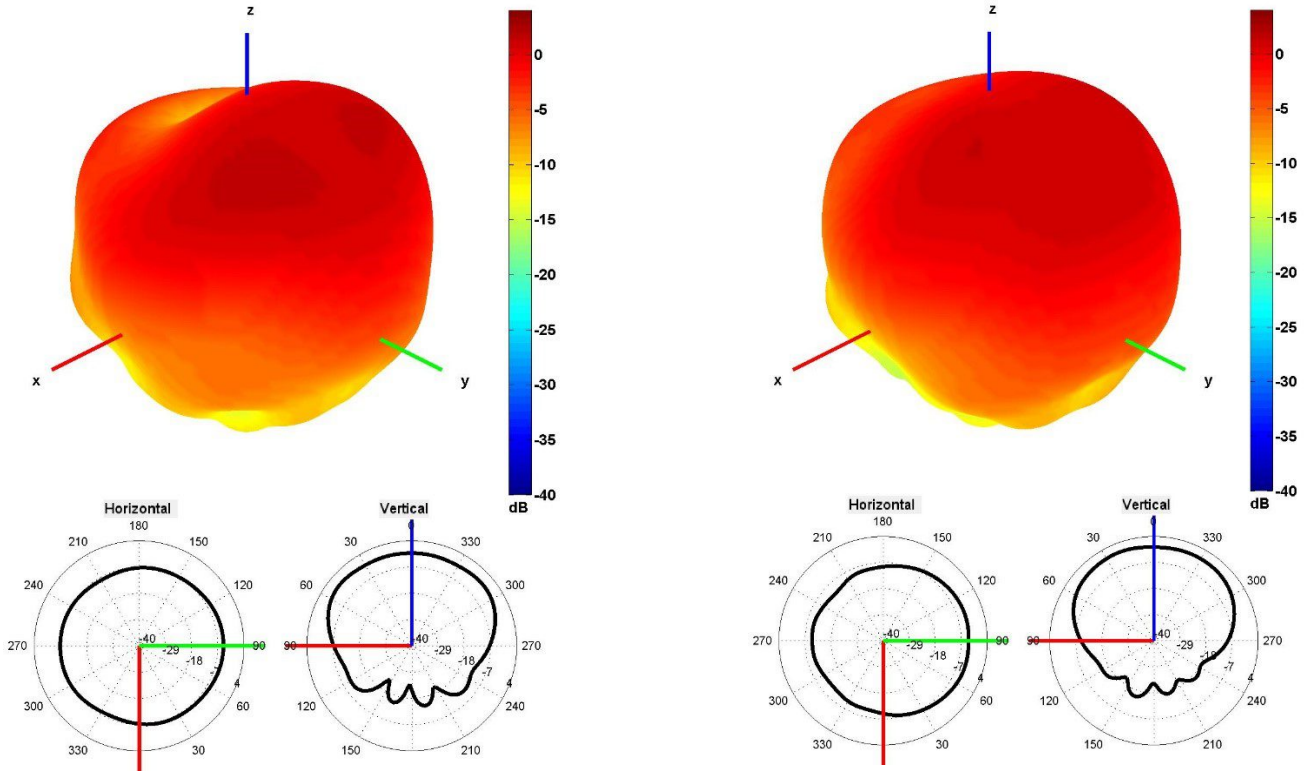
Radiation pattern reference



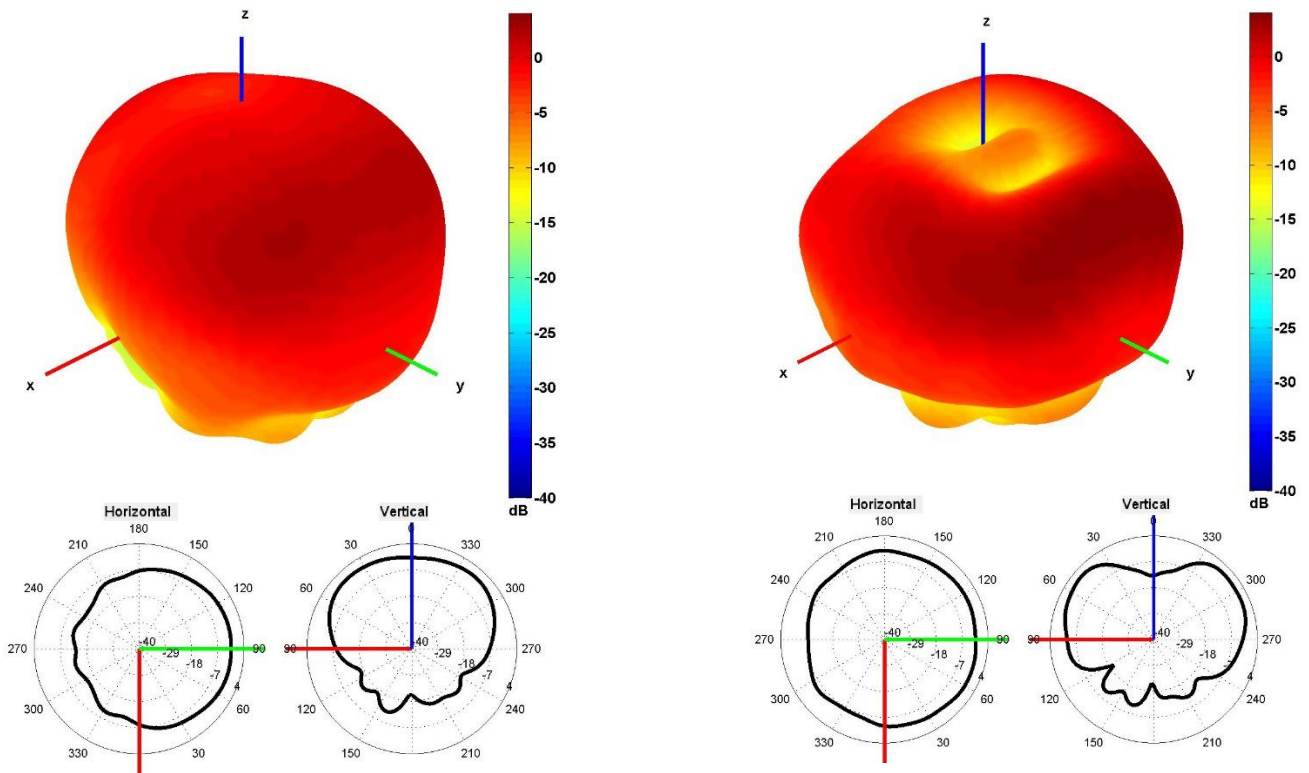
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

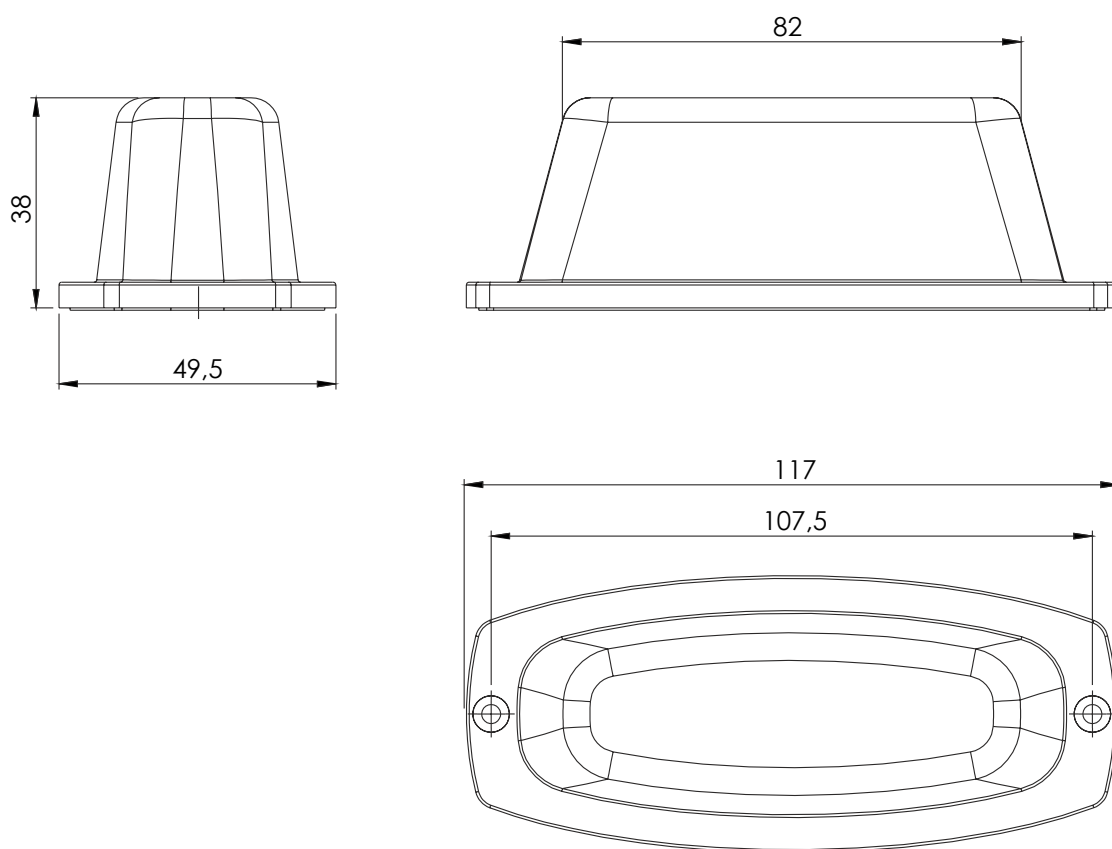


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

