

Antivandal antenna IP67 multi-band LORA/4G 1 mt



Antenna and electrical specification

Parameters	CELLULAR / LTE Antenna		
Standards	LoRa, 2G, 3G and 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency	698-960 MHz	1710-2170 MHz	2500-2700 MHz
Return Loss	~-11.6dB	~-8.7dB	~-18.4dB
VSWR	~1.9:1	~2.2:1	~1.3:1
Efficiency	~37.9%	~35.1%	~42.3%
Peak Gain	~1.8dBi	~3.5dBi	~4.4dBi
Average Gain	~-4.3dB	~-4.6dB	~-3.8dB
Impedance	50		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power	25W		
Connector Type	SMA Male		
Cable Length	1 meter		
Cable Type	LL100		

*Antenna measurement test conditions

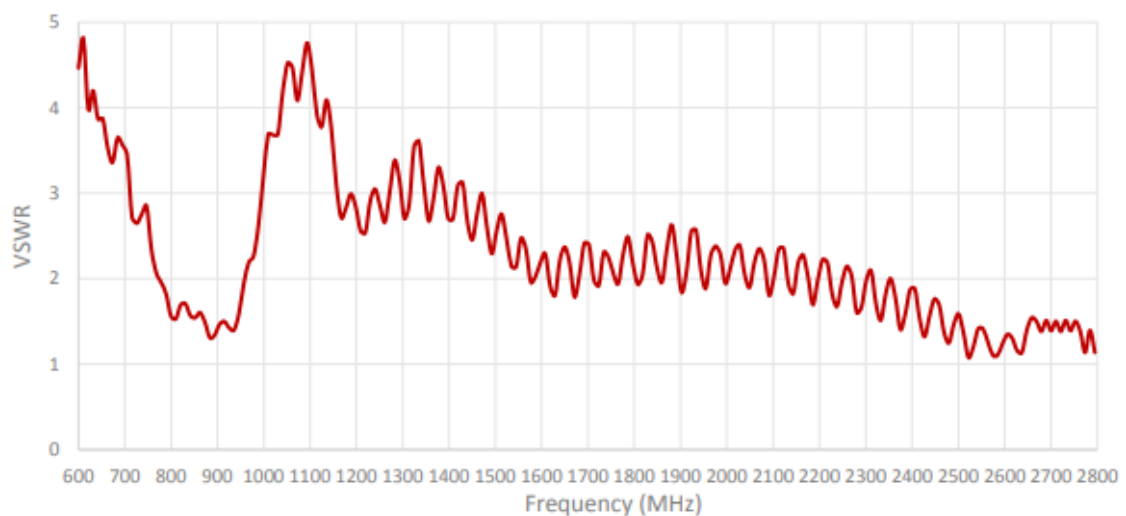
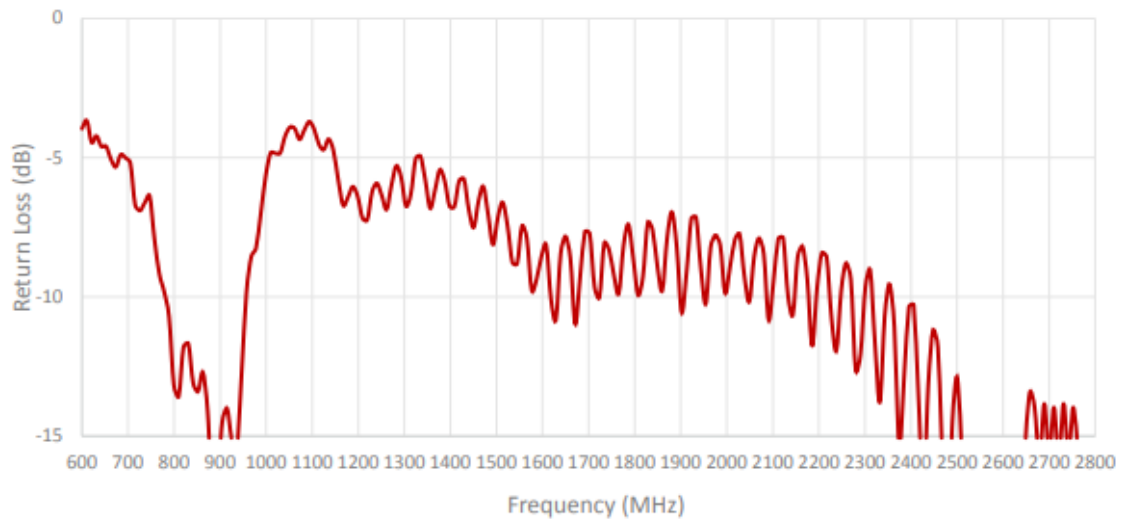
Mounted on 30 x 30 x 0.25 cm ABS Plate
 200 cm of Cable DACAR302
 Measured in Certified CTIA 3D Anechoic Chamber

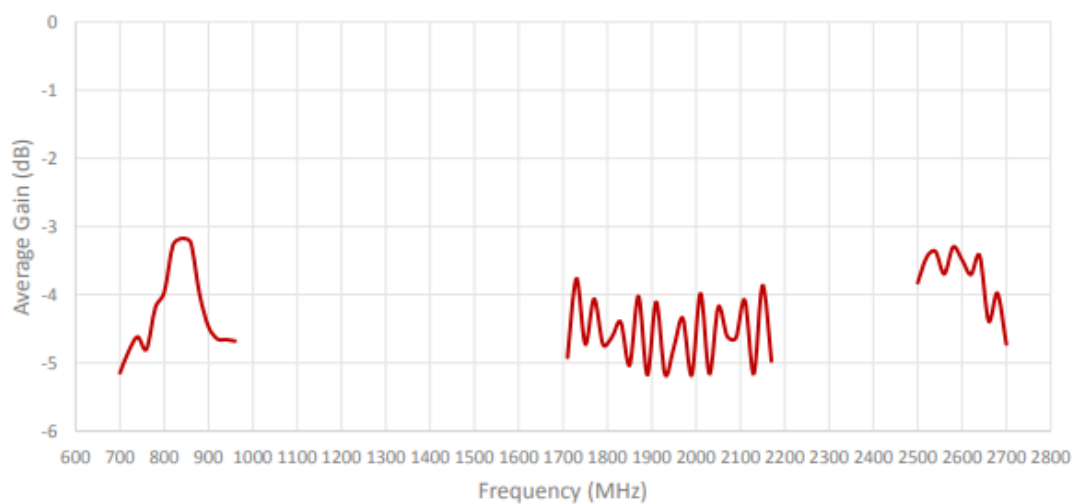
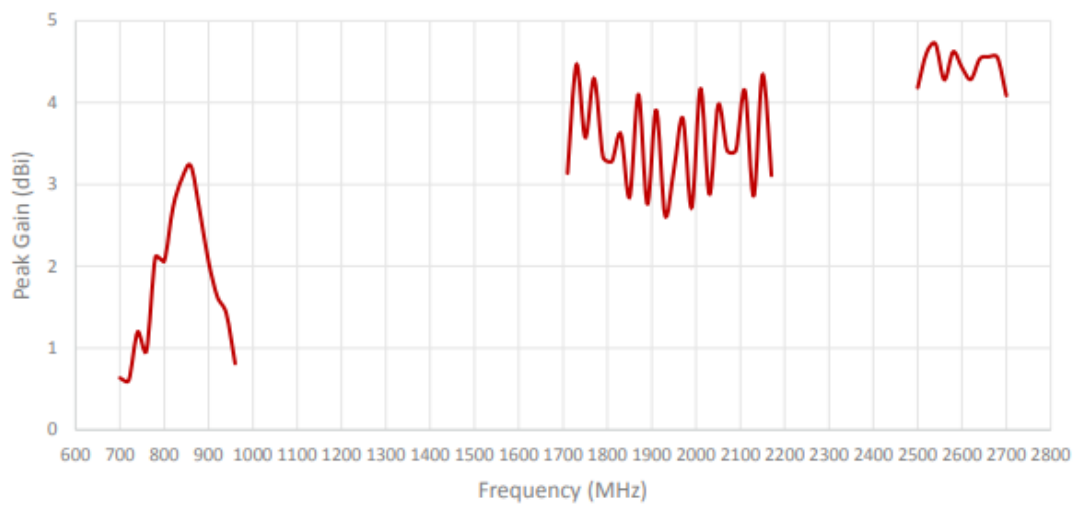
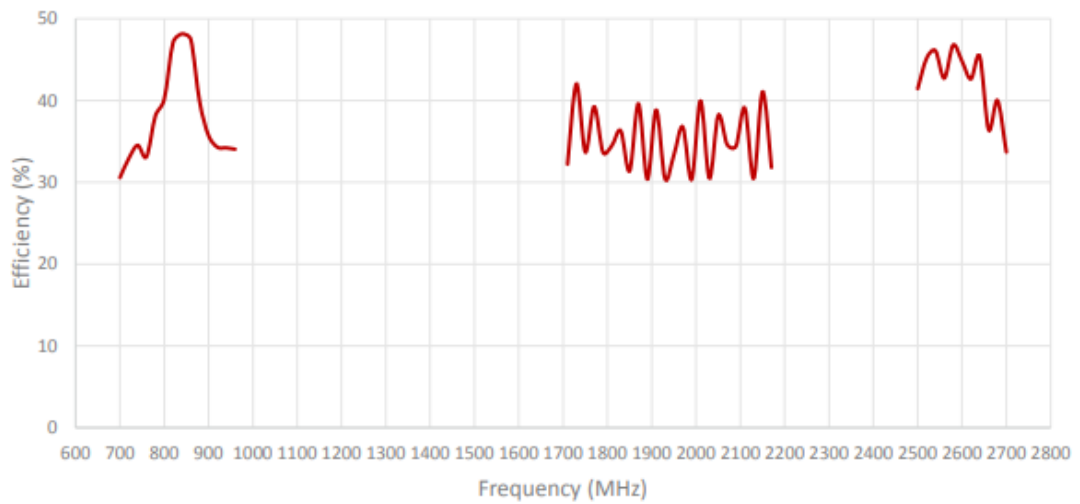
Mechanical and environmental specifications

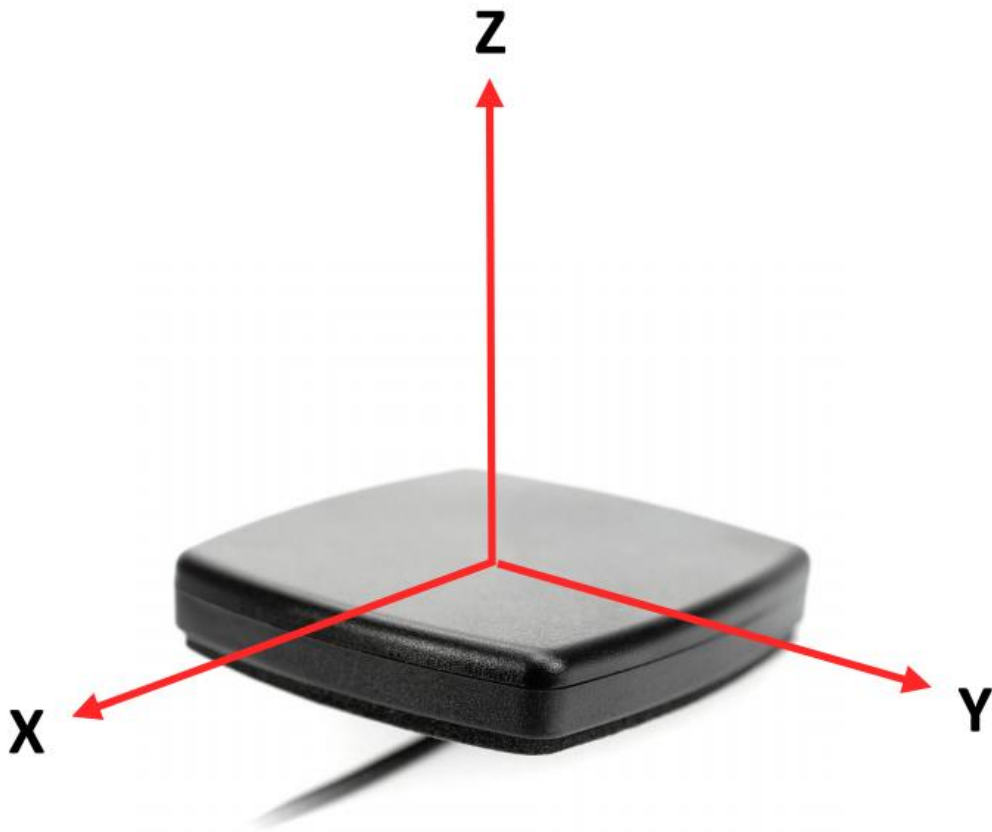
Mounting Type	Screw Mount
Dimensions	80 x 74 x 14.7 (mm)
Radome	ABS
Radome color	Black
Operating temperature	-40C° to +85C°
Storage temperature	-40C° to +85C°
Substance Compliance	RoHS
Certificates	IP67

Antenna parameters

Cable 1: CELLULAR/LTE

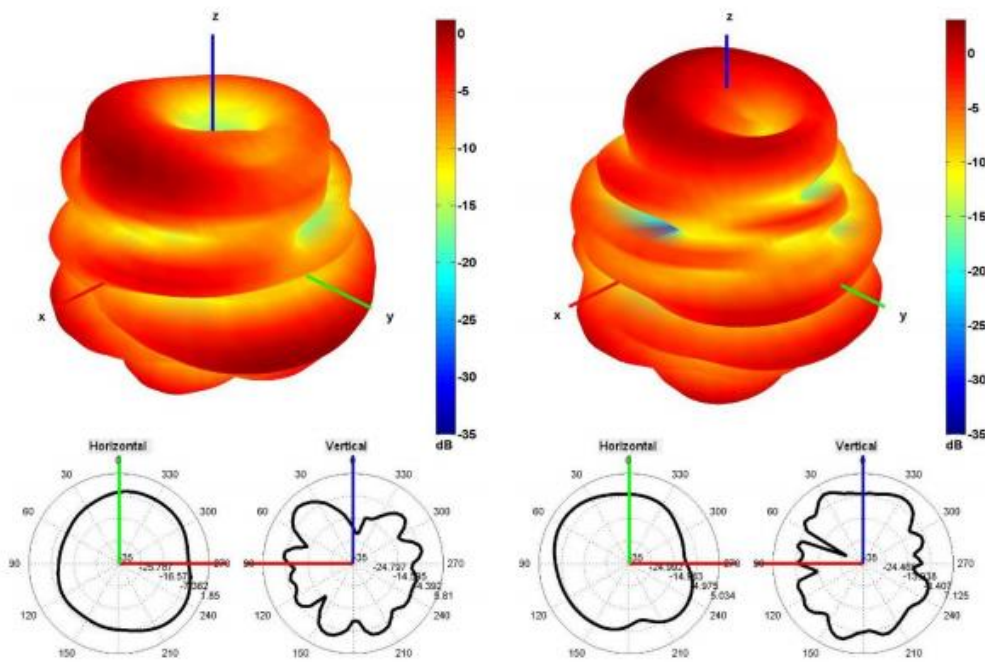




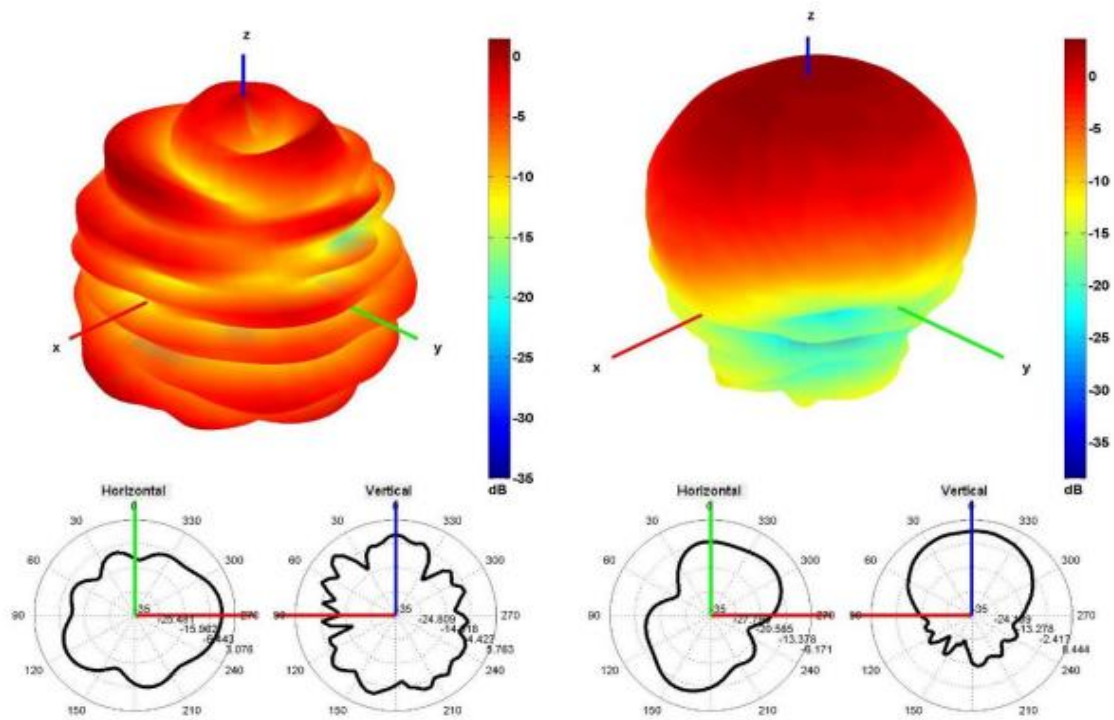


Radiation pattern reference

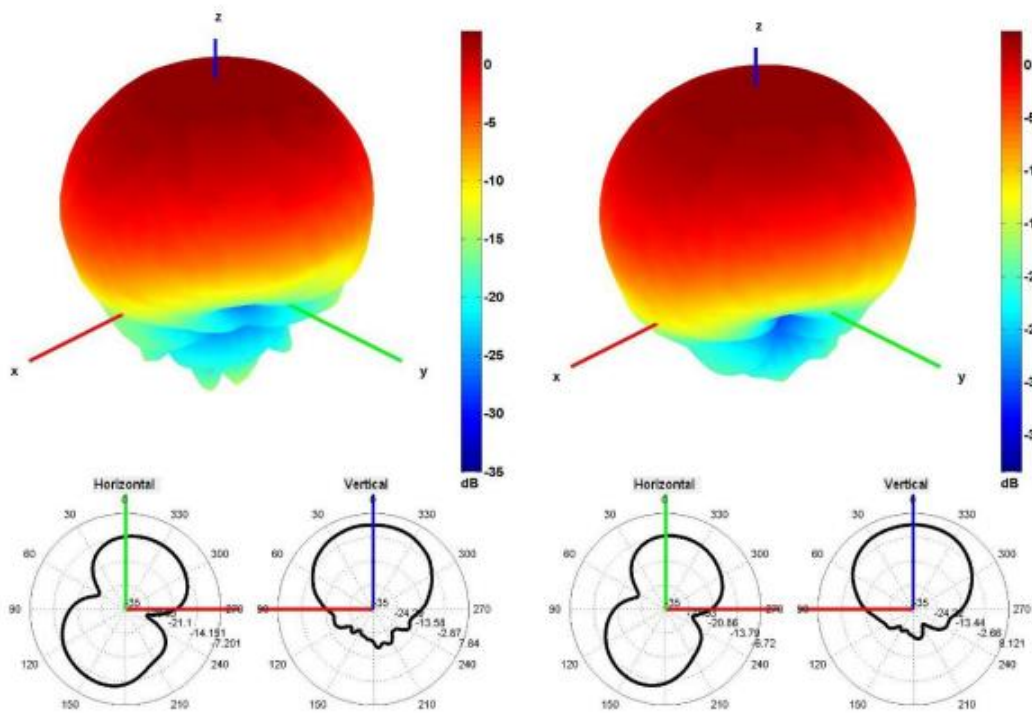
750 and 850 MHz Radiation pattern



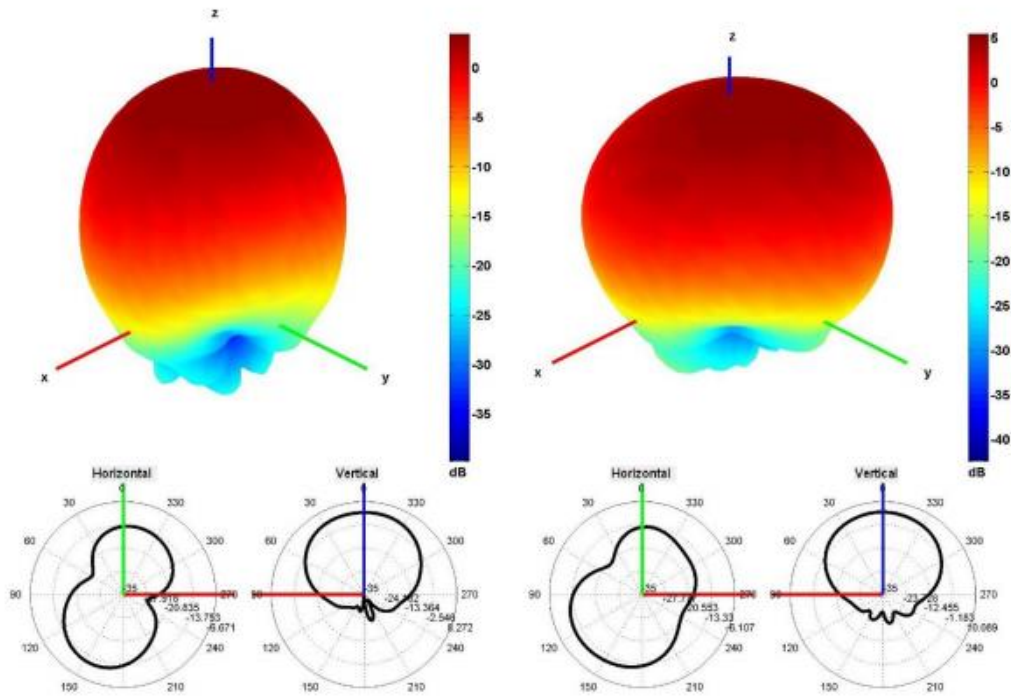
940 and 1750MHz Radiation pattern



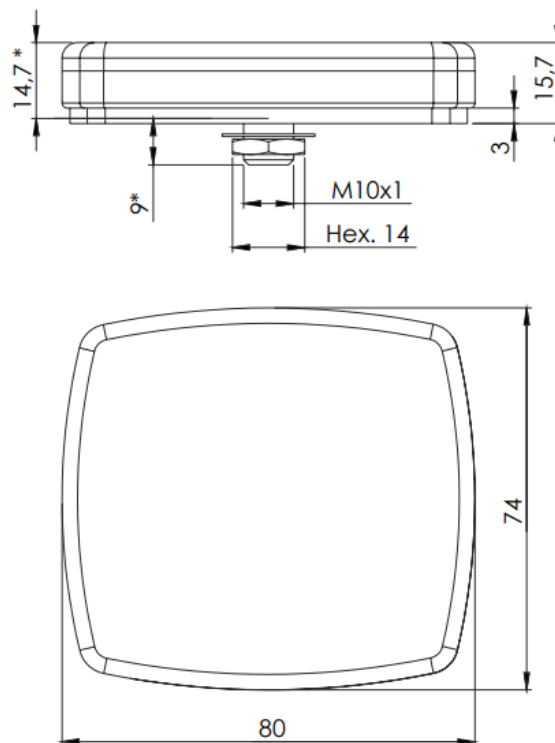
1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern



Dimensions



Images



Product references

Model	Reference	Cable length	Connector type
Antivandal antenna IP67 multi-band LORA/4G 1 mt	E032	1 meter	SMA Male