

Sens' Antenna

Wall Mount Deported Antenna

Reference AC0201



Application

The antenna is intended to equip GSM / UMTS / LTE cellular equipment operating on different frequency ranges:

- 698-960 MHz
- 1710-2170 MHz
- 2500-2700 MHz

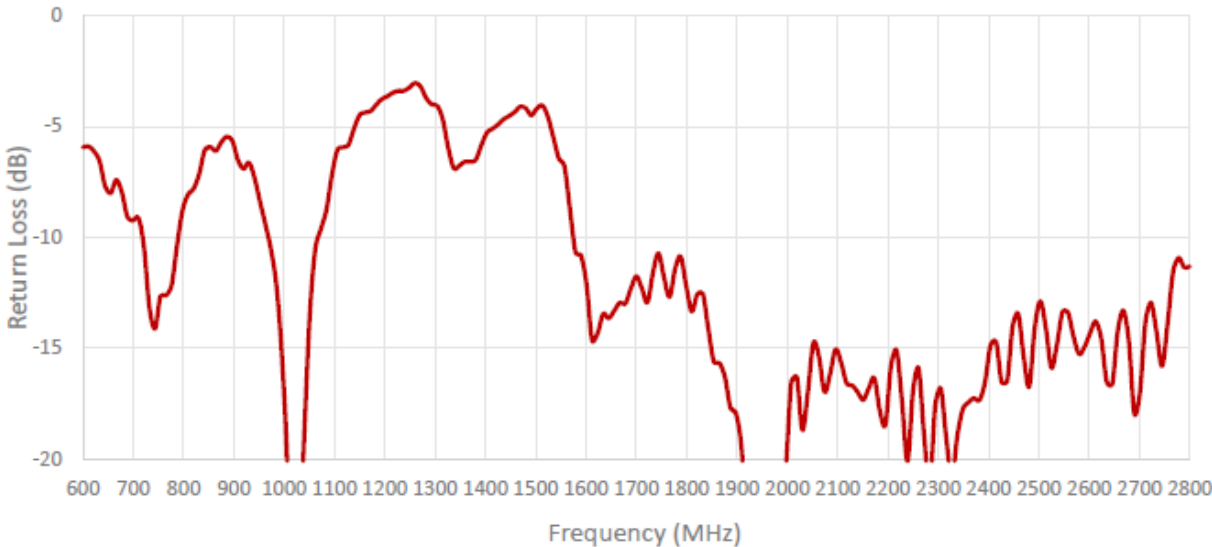
This antenna is equipped with a cable of 5, 10 or 20 meters (see parts references below).

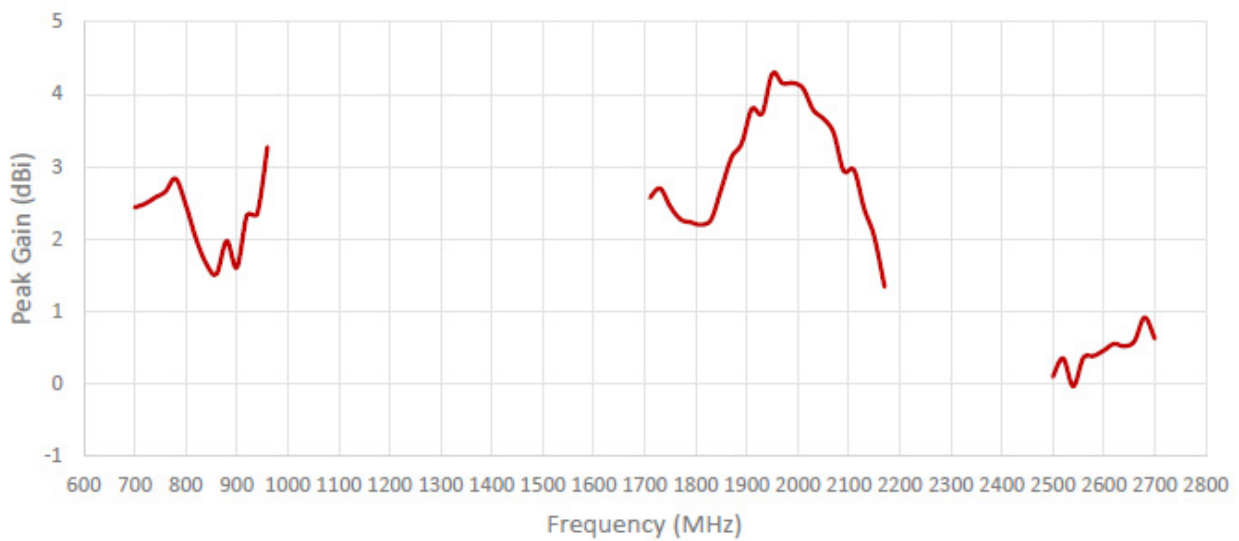
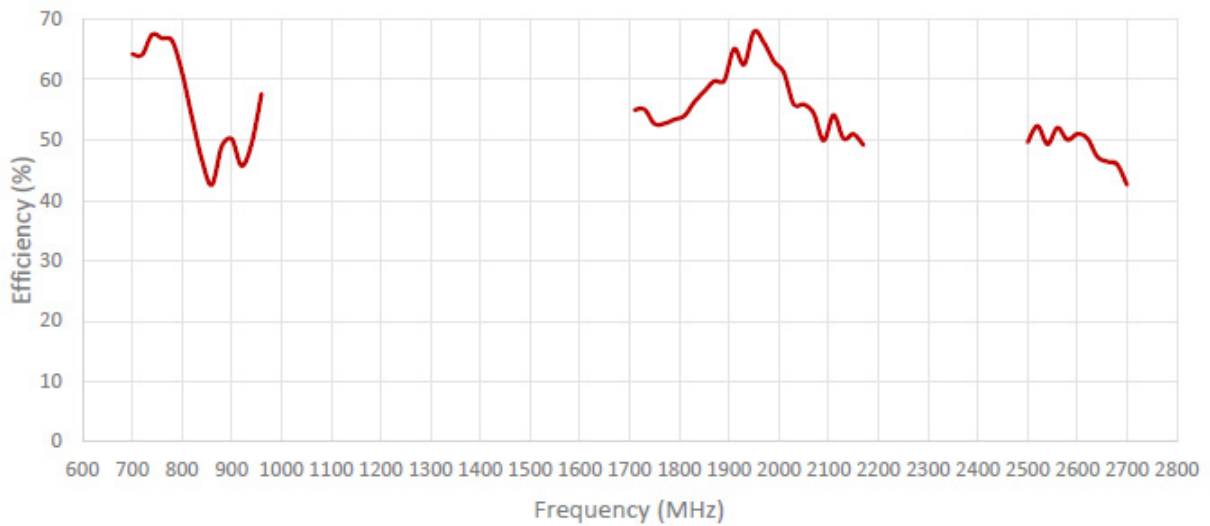
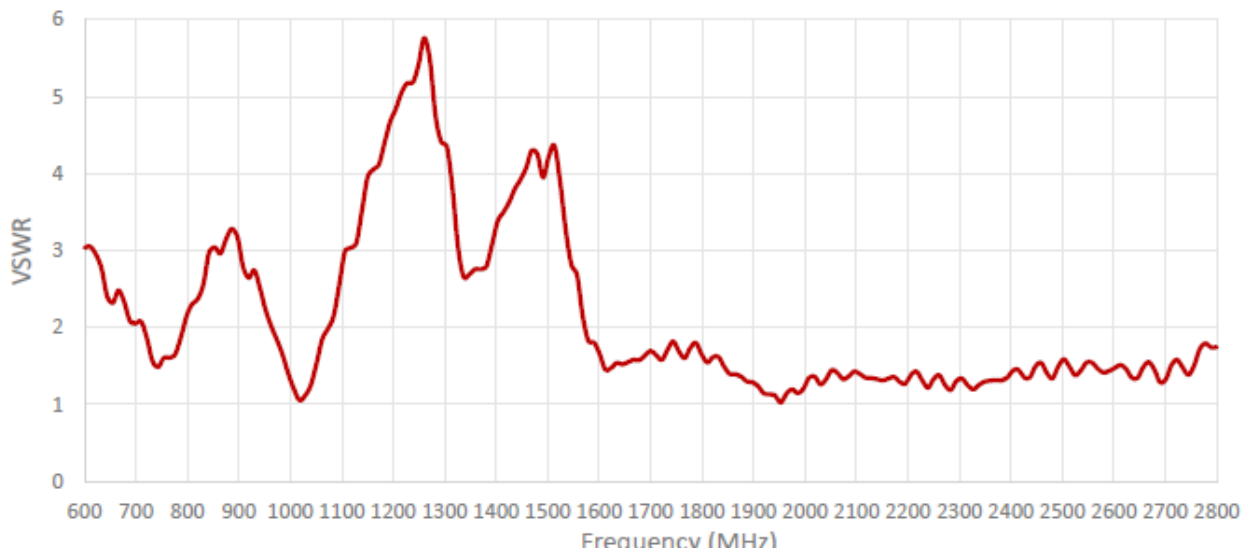
Characteristics

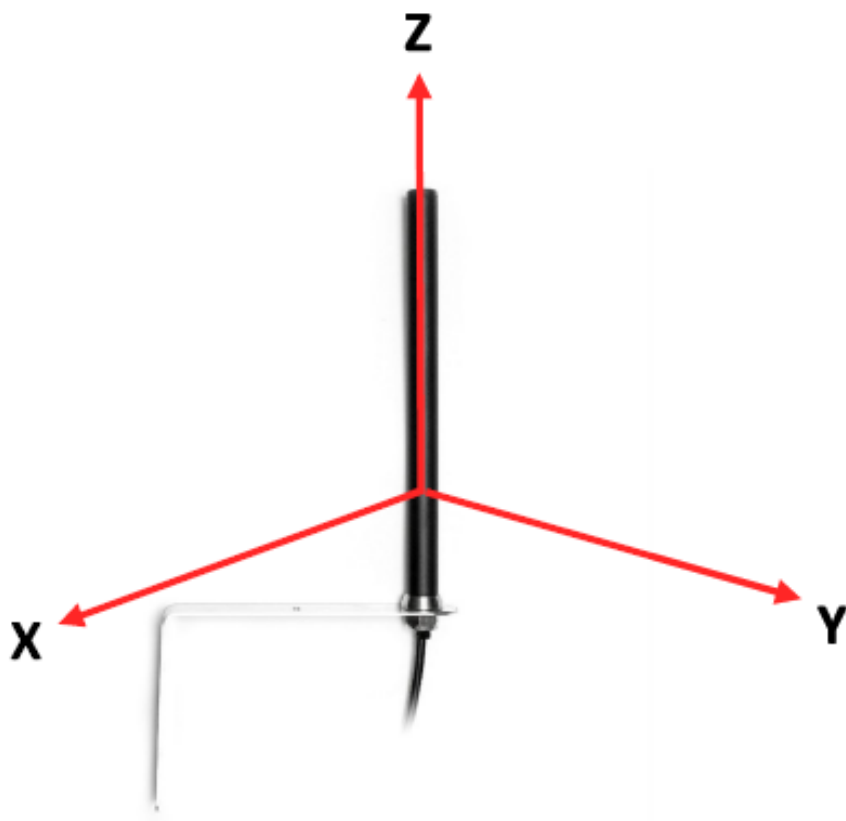
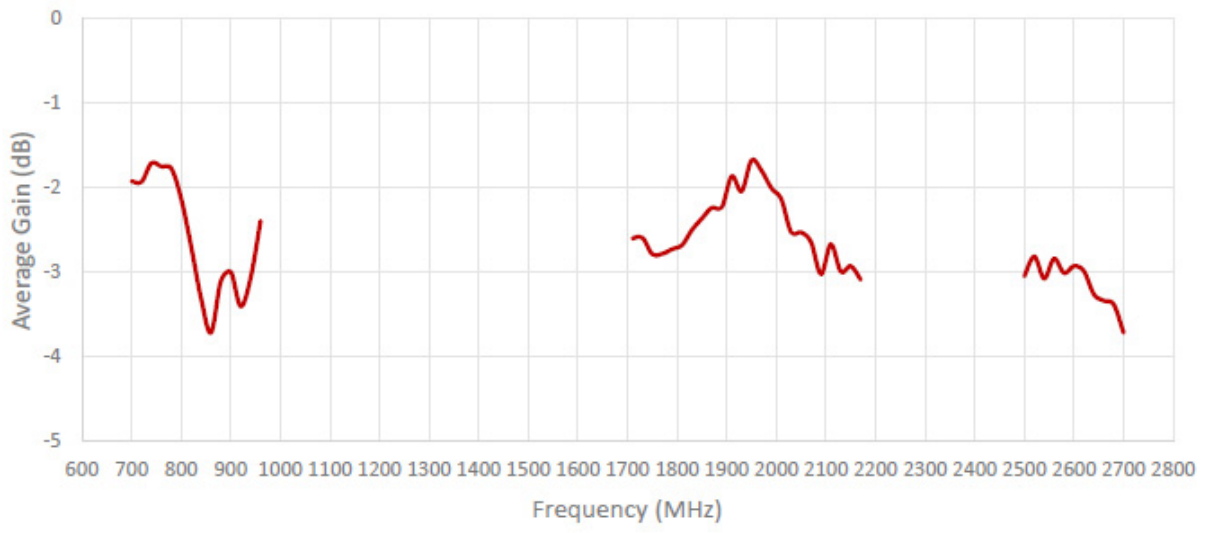
Parameters	Antenna GSM5 + LTE		
Standards	2G, 3G, 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~ -8.6	~ -16.8	~ -14.7
Efficiency (%)	~54.7	~56.8	~48.8
Peak Gain (dBi)	~2.2	~3.0	~0.4
Average Gain (dB)	~ -2.7	~ -2.5	~ -3.1
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		

Parameters		Antenna GSM5 + LTE		
Max. Input Power (W)				25
Connector type				Most RF connectors (SMA-Male Standard)
Cable lenght	5m	10m	20m	
Mounting type				Wall mount
Dimensions (mm)				325x36x155 (220 x Ø16)
Antenna base				Brass
Bracket				Stainless steel
Operating temperature (C)				-40 to +85
Storage temperature (C)				-40 to +85
Susbtance compliance				RoHS
Certificate				IP67

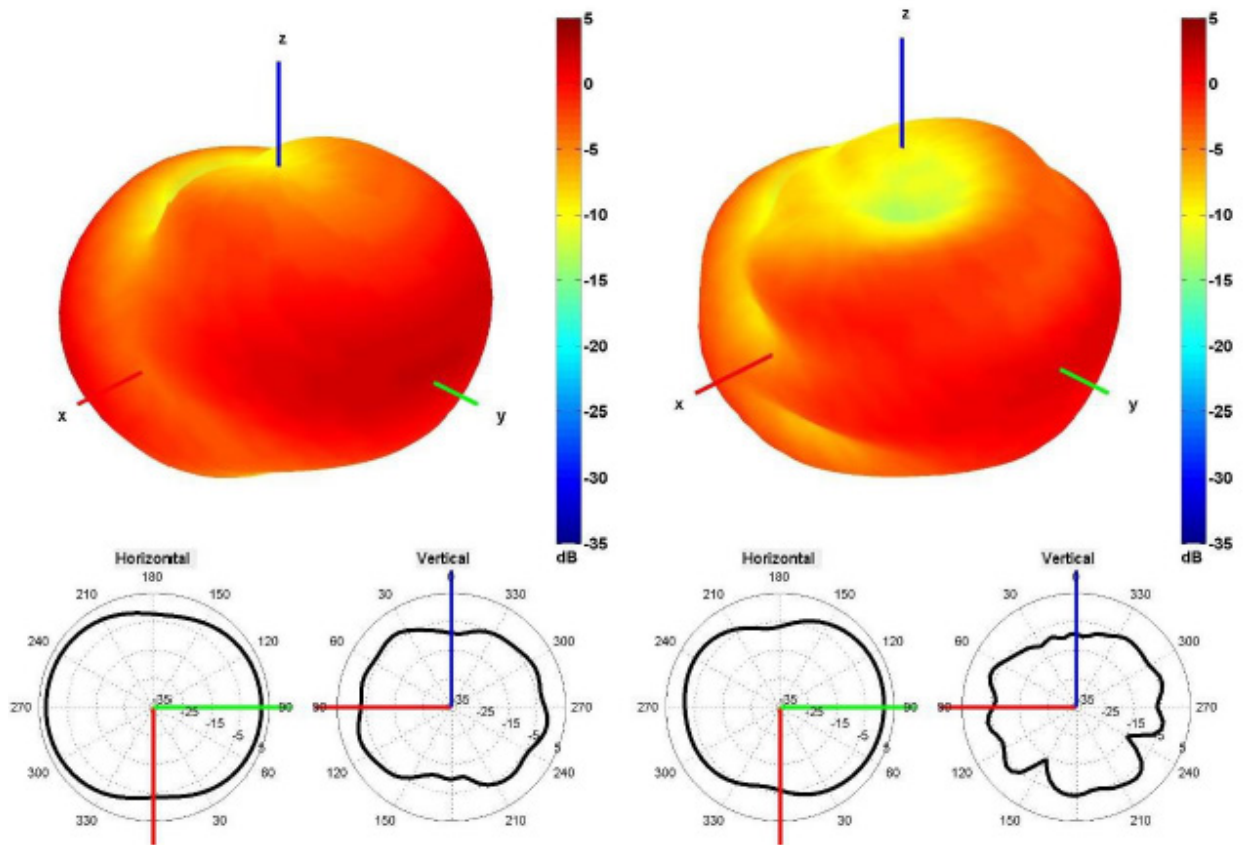
Antenna parameters



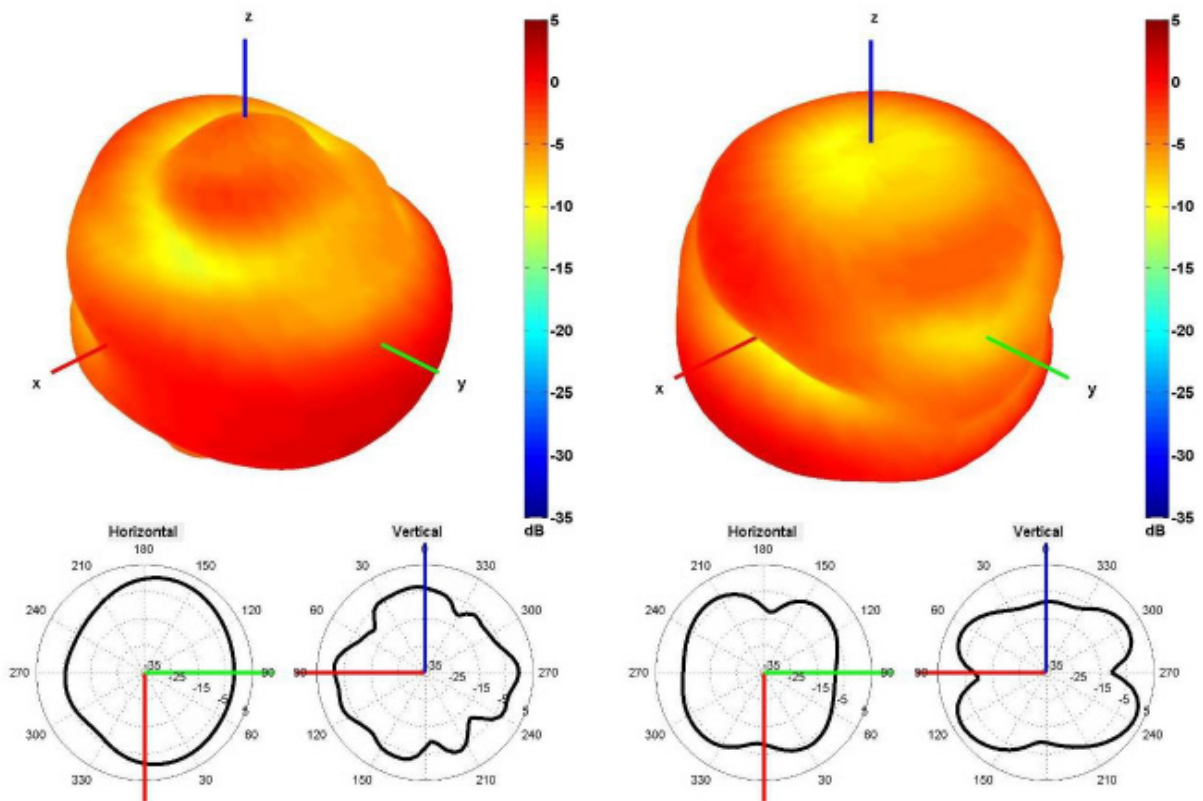




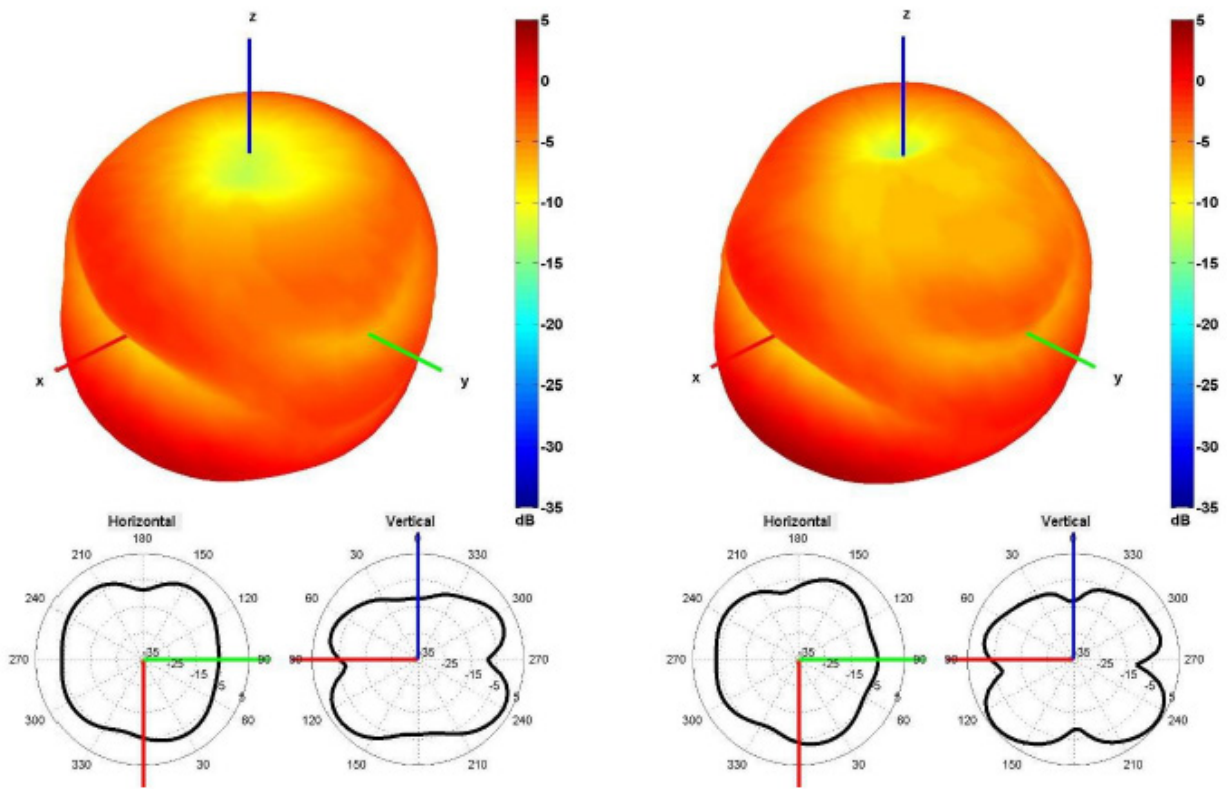
Radiation pattern reference



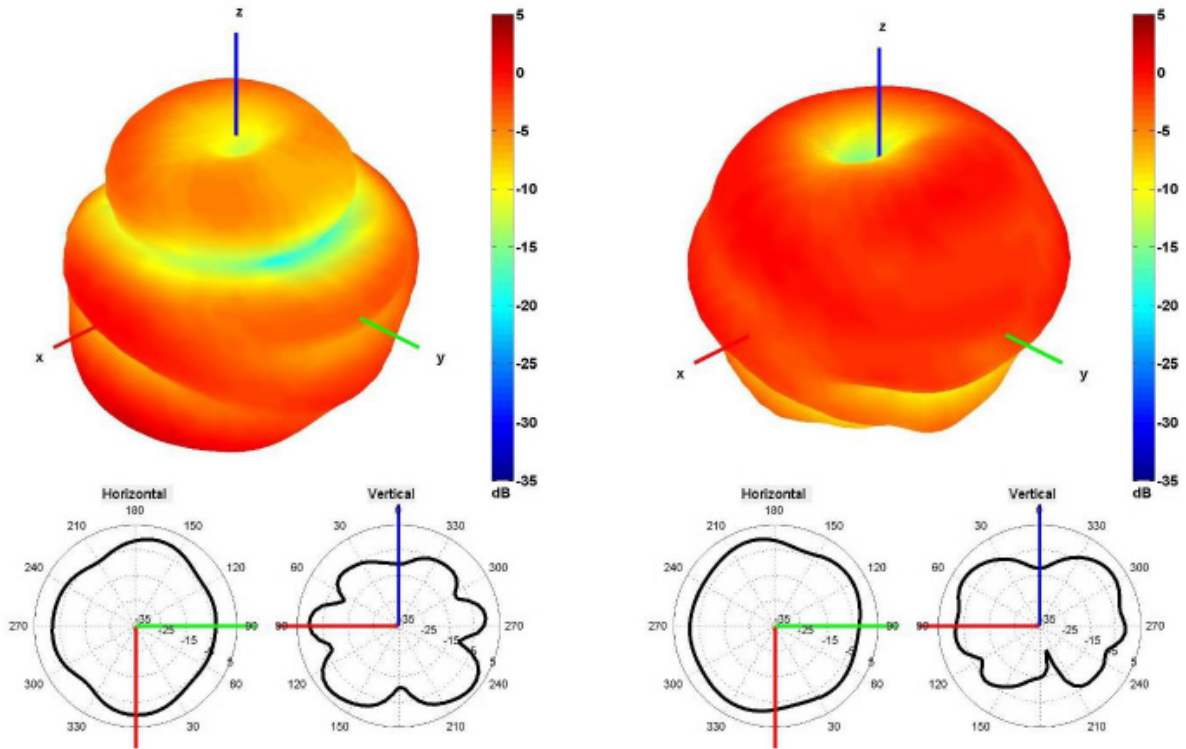
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

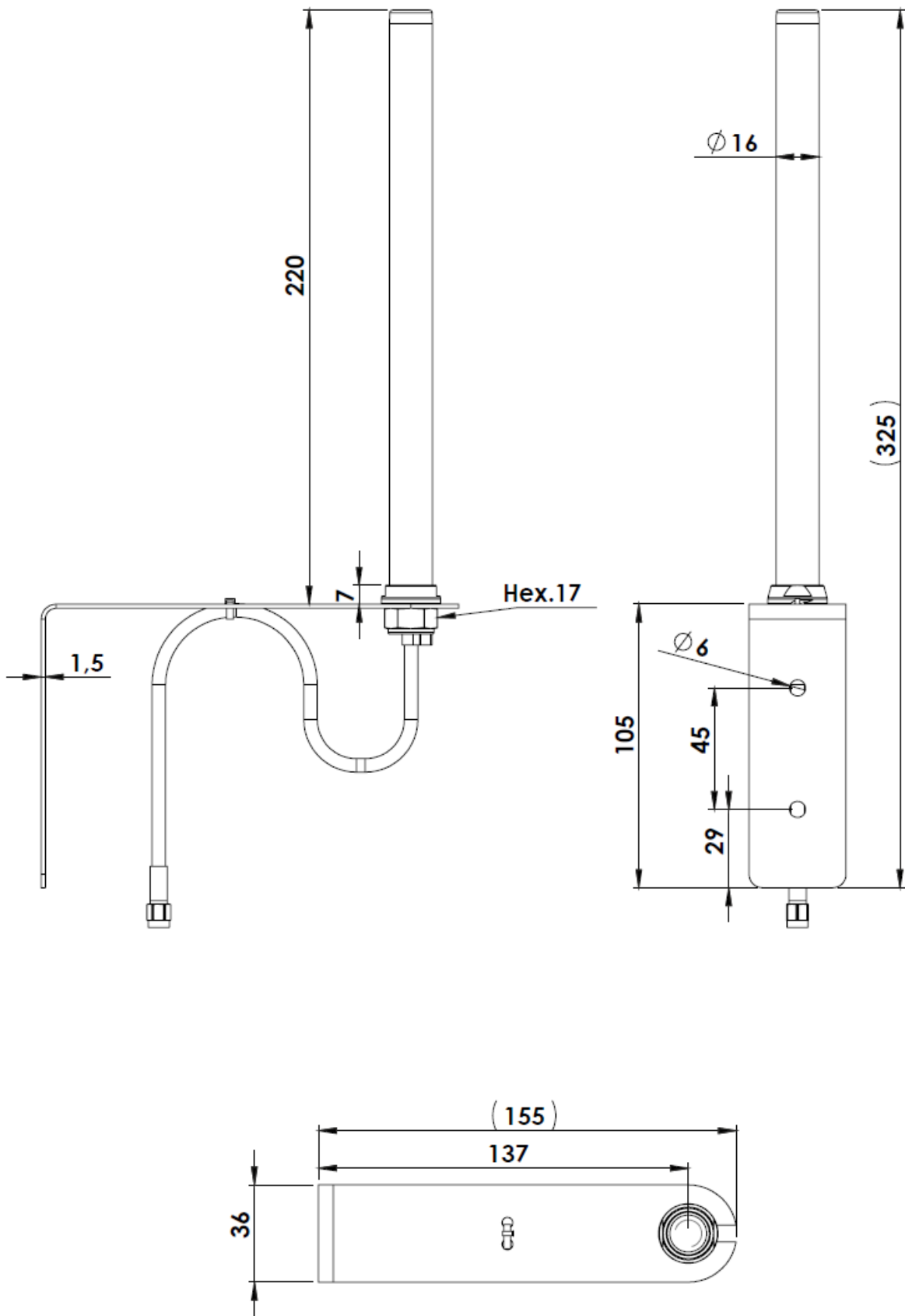


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

Antenna drawings





References

- AC0201-11: Antenna GSM5+LTE700/2600 SMA M -IP67- RG58 - 5m cable
- AC0201-13: Antenna GSM5+LTE700/2600 SMA M -IP67- RG58 - 10m cable
- AC0201-12: Antenna GSM5+LTE700/2600 SMA M -IP67- RG58 - 20m cable