



## GSM/UMTS/LTE ANTENNA

Antenna LTE Connector Mount TG09,  
90°/180°, 2 dBi, SMA(m)

AO-ALTE-TG09

SECTRON company offers a wide portfolio of GSM/LTE antennas with various version differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.

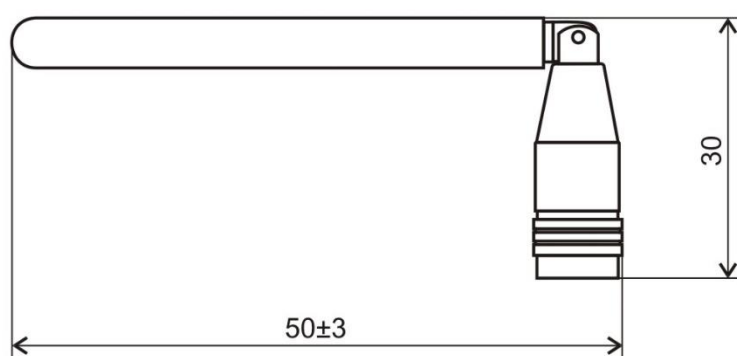
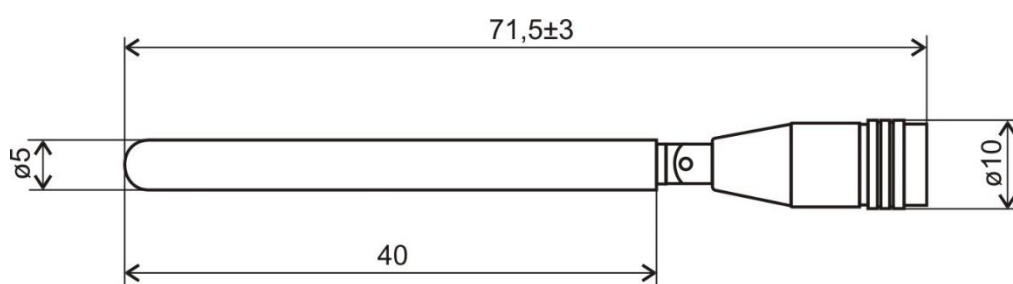


### BENEFITS

- Low VSWR
- Small compact design
- Easy installation

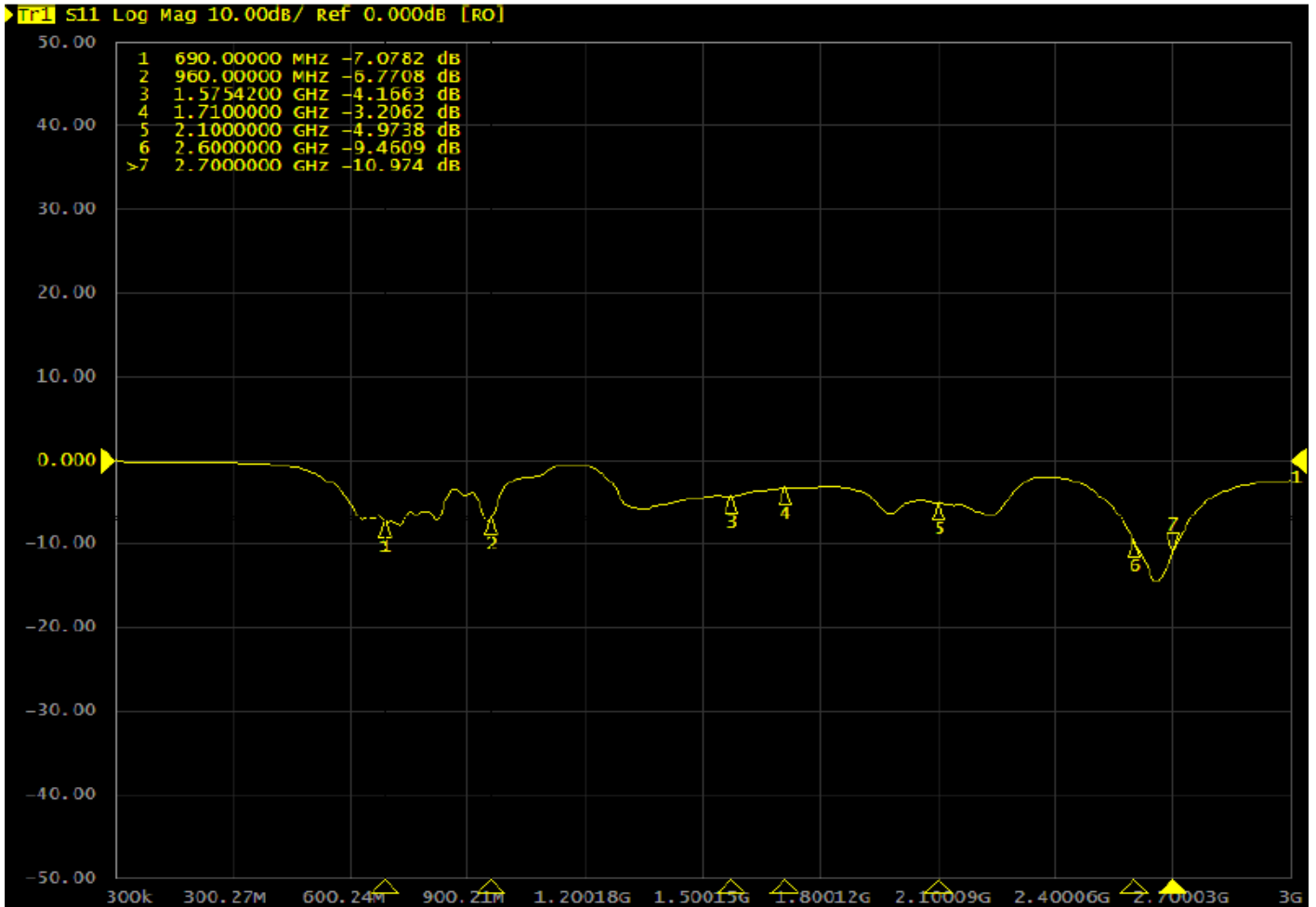
Technology	GSM/UMTS/LTE
Frequency bands	700/800/900/1700/1800/2100/2600/2700 MHz
Bandwidth	262 MHz
Gain	2.6 dBi
VSWR	<2.8:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs below
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	71.5 x $\varnothing$ 10 mm
Weight	8.34 g
Operating temperature	-20 to +80 °C
Execution	External
Method of attachment	Connector Mount
Cable type	-
The cable length	-
Connector type	SMA(m)
Certification	RoHS, ISO 9001, 14001

## DRAWING

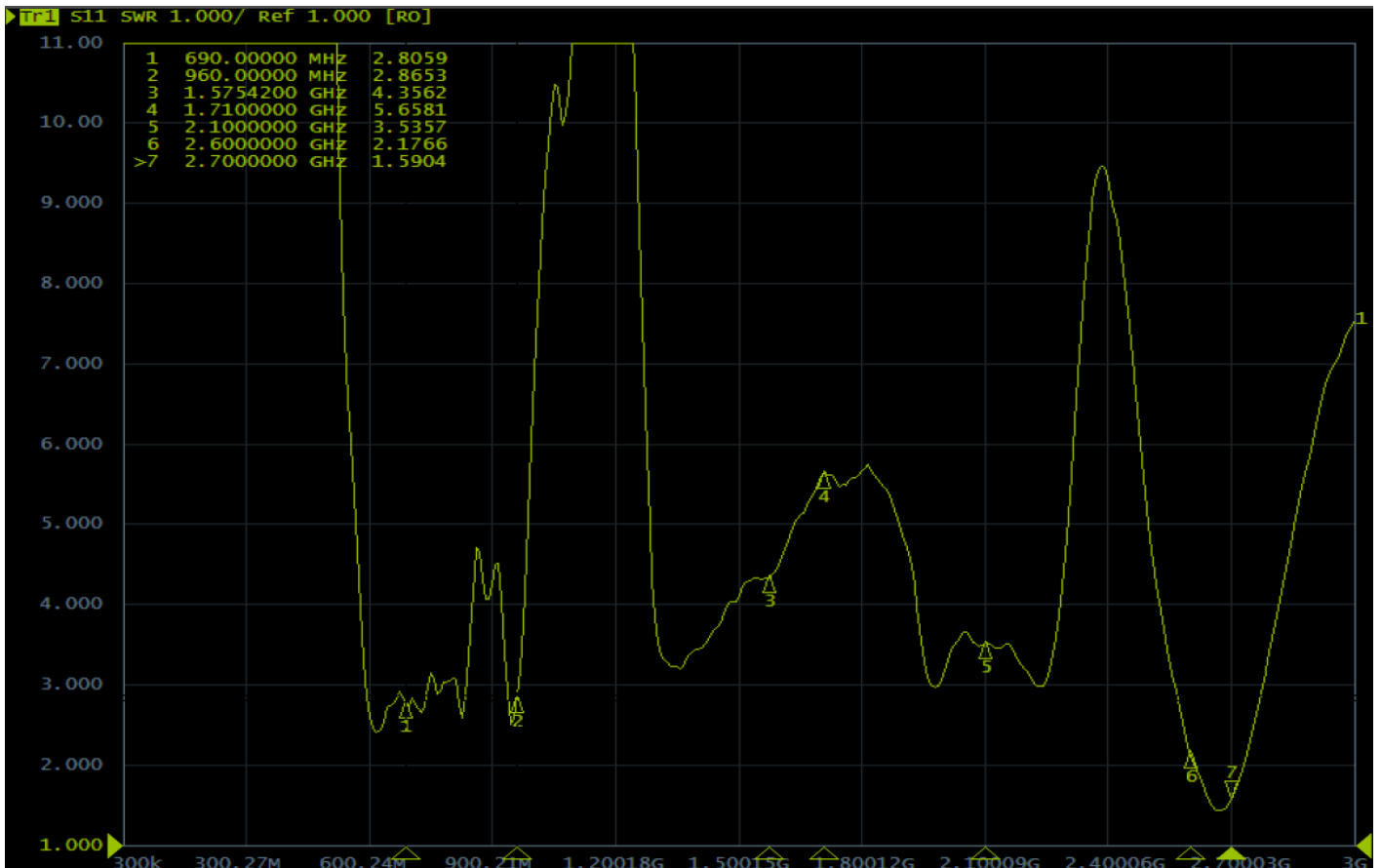


UNIT: mm

### S11 - Return Loss [dB]

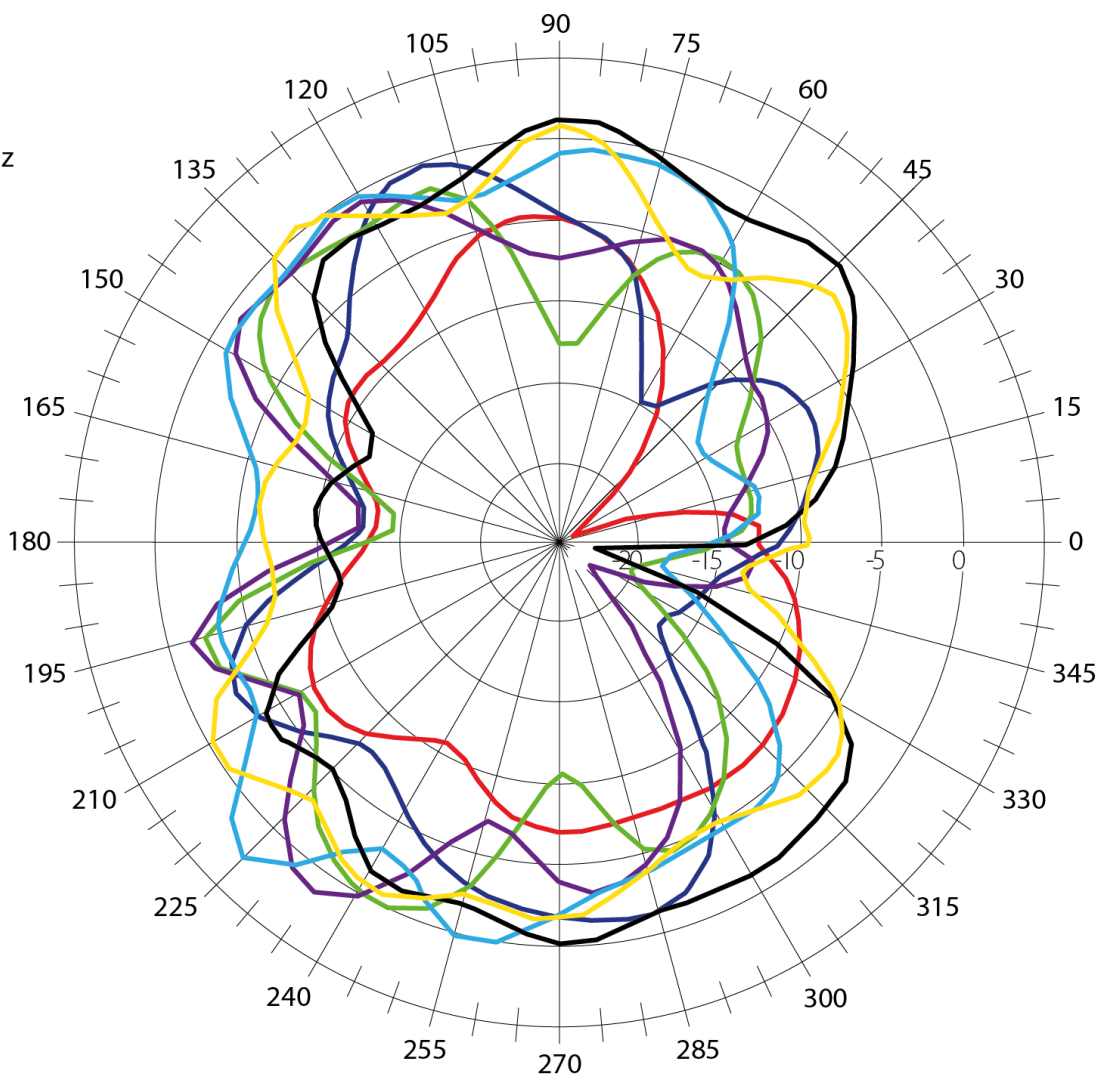


### VSWR – Standing wave ratio



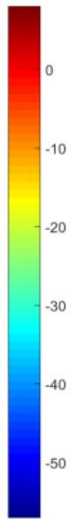
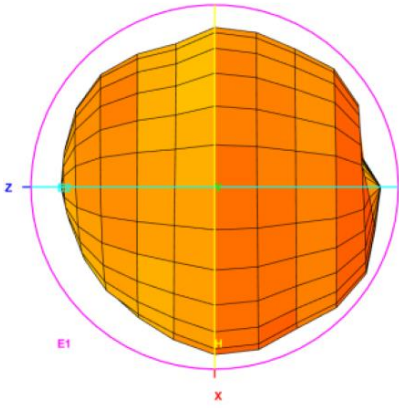
### RADIATION PATTERN 2D

- 690 MHz
- 960 MHz
- 1.57542 GHz
- 1.71 GHz
- 2.1 GHz
- 2.6 GHz
- 2.7 GHz

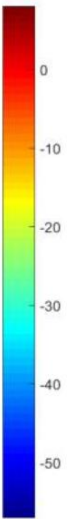
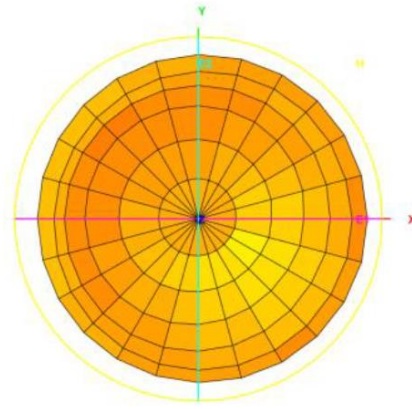


### RADIATION PATTERN 3D

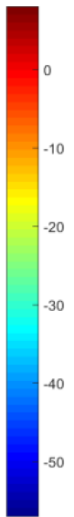
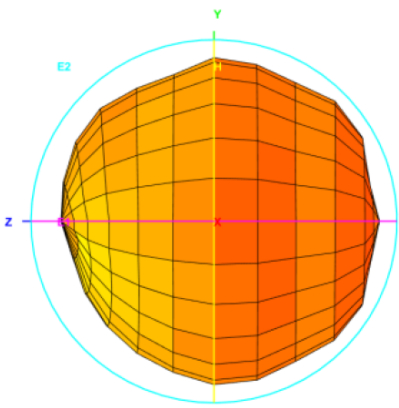
Total\_3D\_Top View\_698MHz



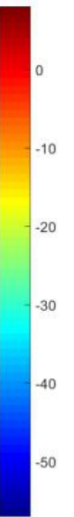
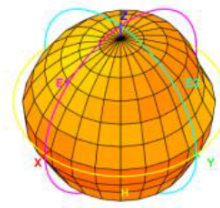
Total\_3D\_Front View\_698MHz



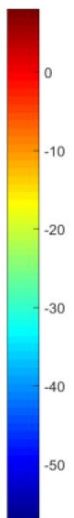
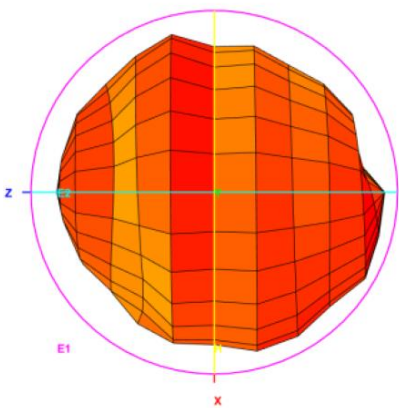
Total\_3D\_Left View\_698MHz



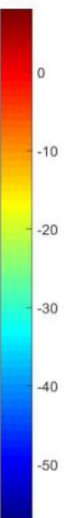
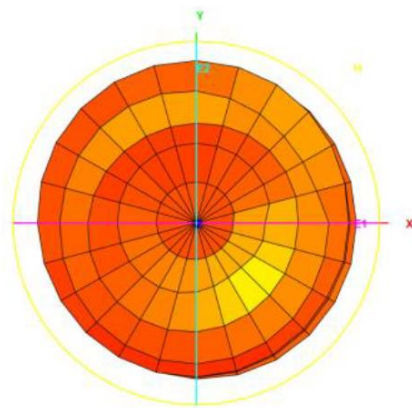
Total\_3D\_Side View 1\_698MHz



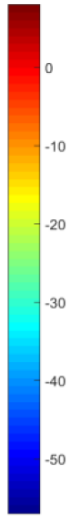
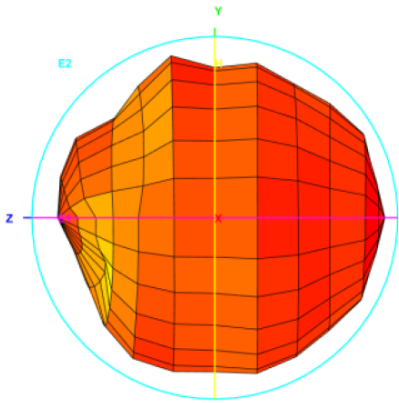
Total\_3D\_Top View\_960MHz



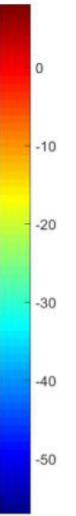
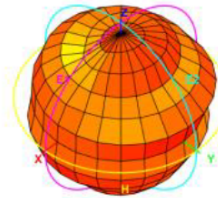
Total\_3D\_Front View\_960MHz



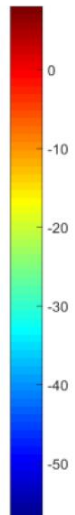
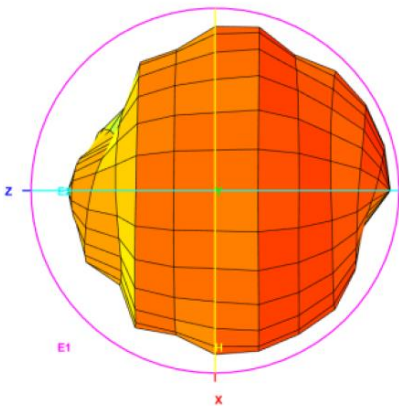
Total\_3D\_Left View\_960MHz



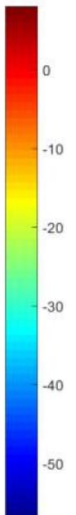
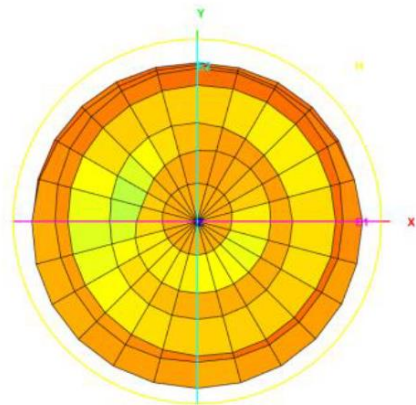
Total\_3D\_Side View 1\_960MHz



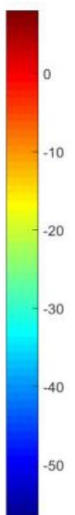
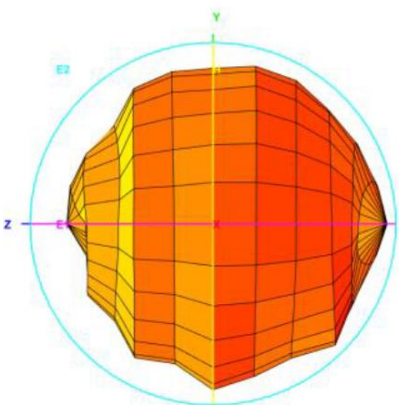
Total\_3D\_Top View\_1.57542GHz



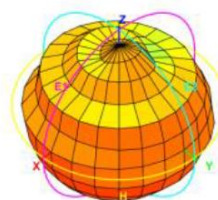
Total\_3D\_Front View\_1.57542GHz



Total\_3D\_Left View\_1.57542GHz

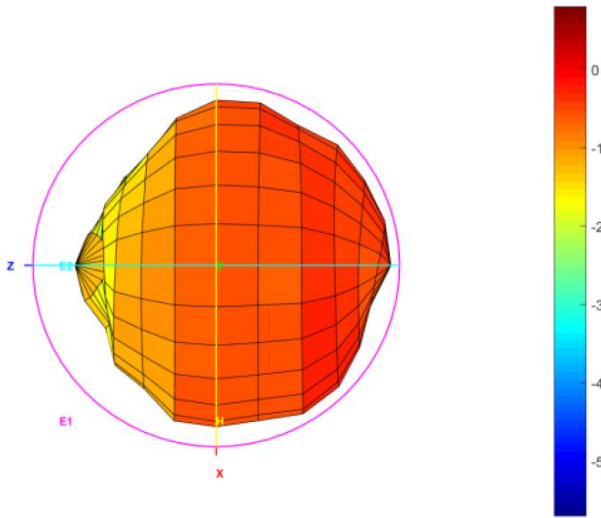


Total\_3D\_Side View 1\_1.57542GHz

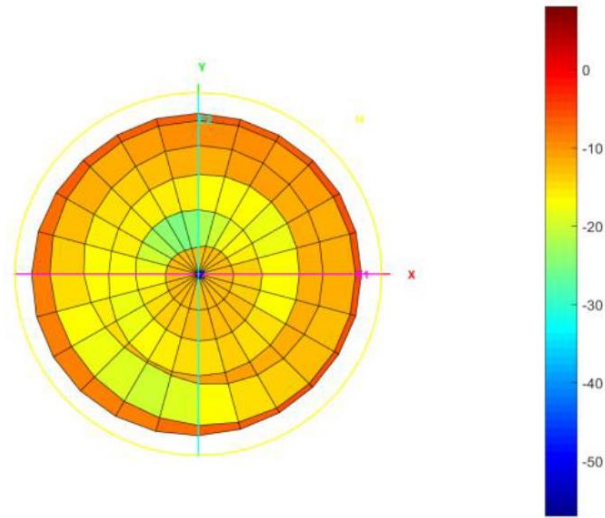




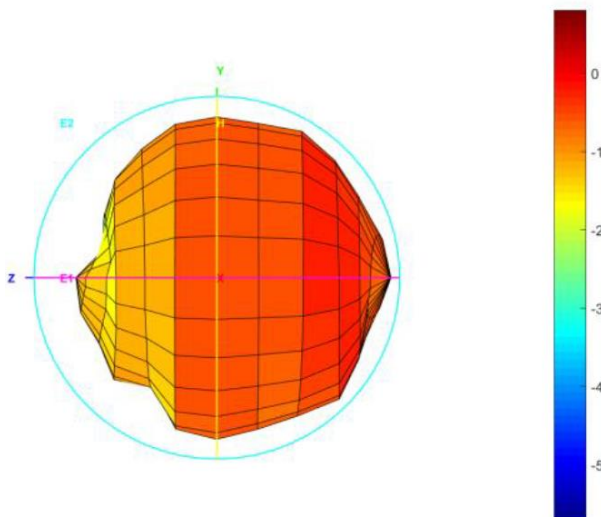
Total\_3D\_Top View\_1.71GHz



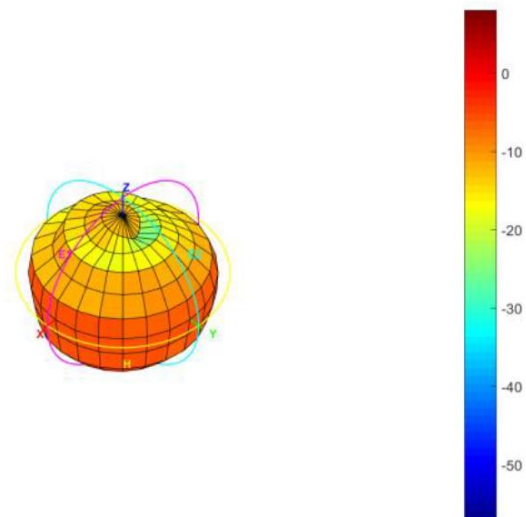
Total\_3D\_Front View\_1.71GHz



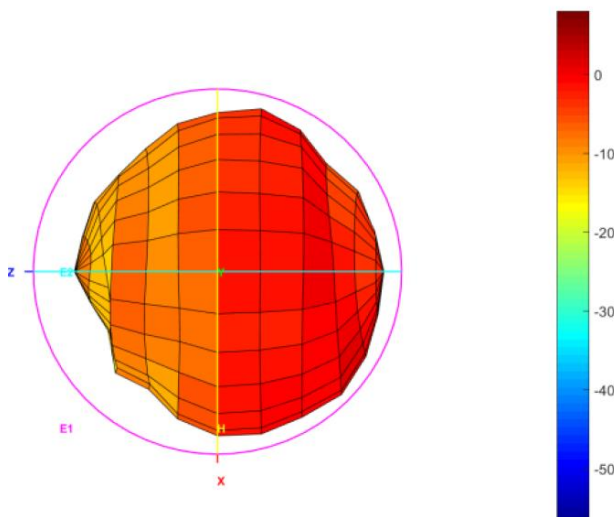
Total\_3D\_Left View\_1.71GHz



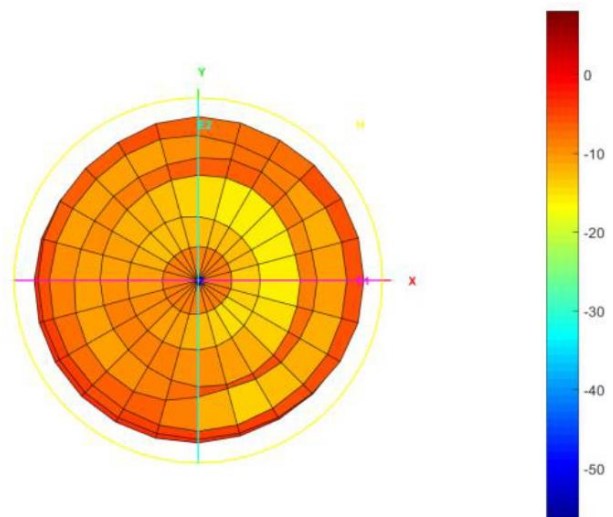
Total\_3D\_Side View 1\_1.71GHz



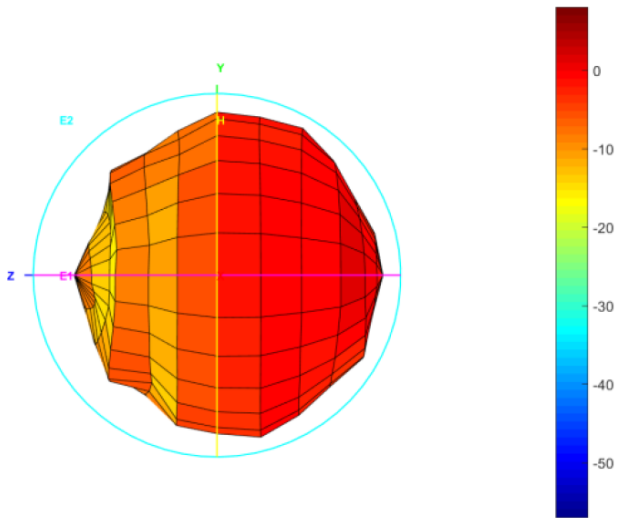
Total\_3D\_Top View\_2.1GHz



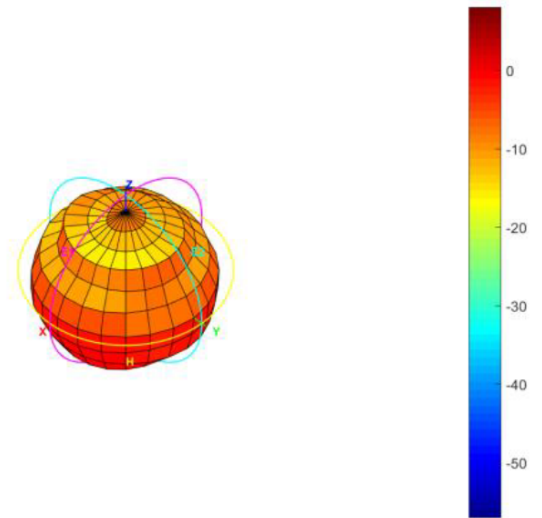
Total\_3D\_Front View\_2.1GHz



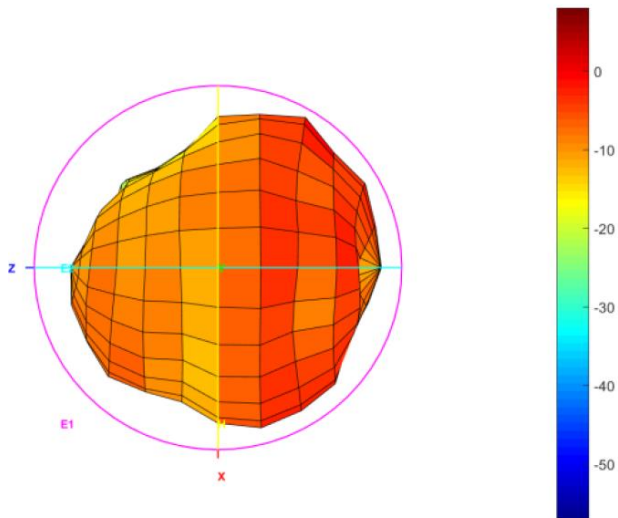
Total\_3D\_Left View\_2.1GHz



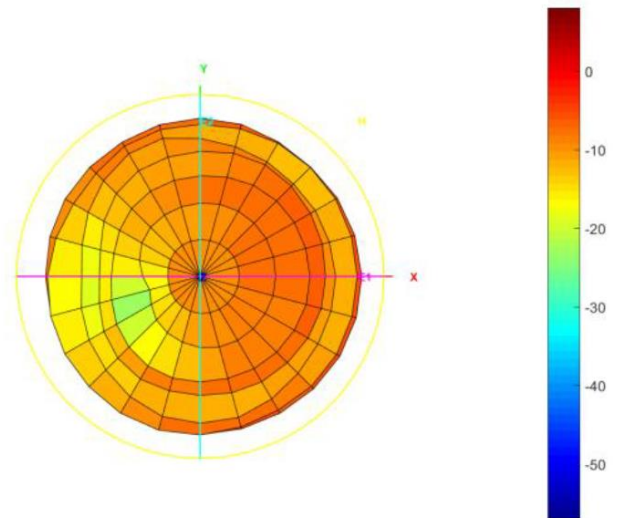
Total\_3D\_Side View 1\_2.1GHz



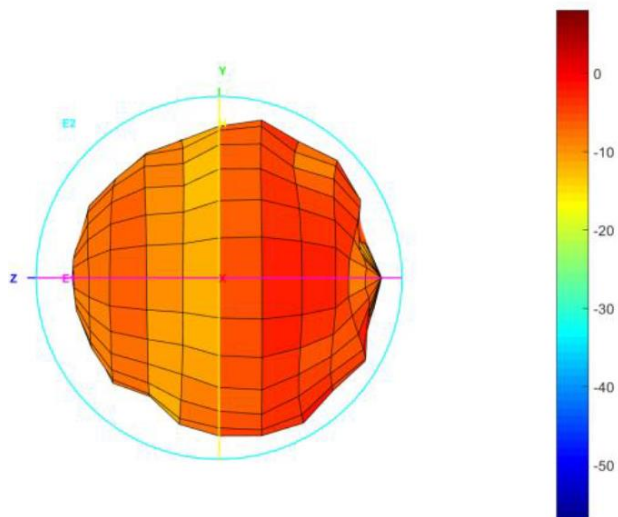
Total\_3D\_Top View\_2.6GHz



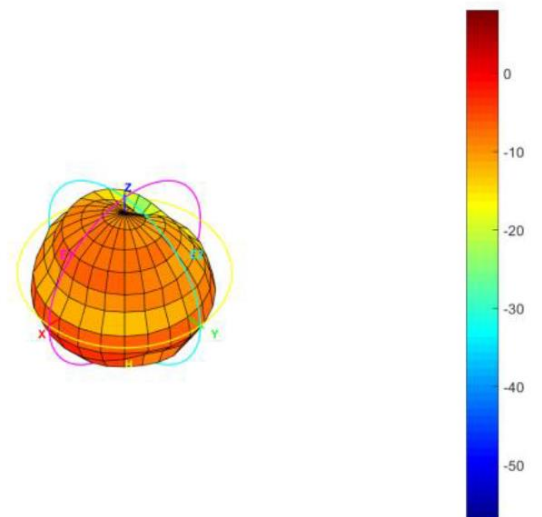
Total\_3D\_Front View\_2.6GHz



Total\_3D\_Left View\_2.6GHz

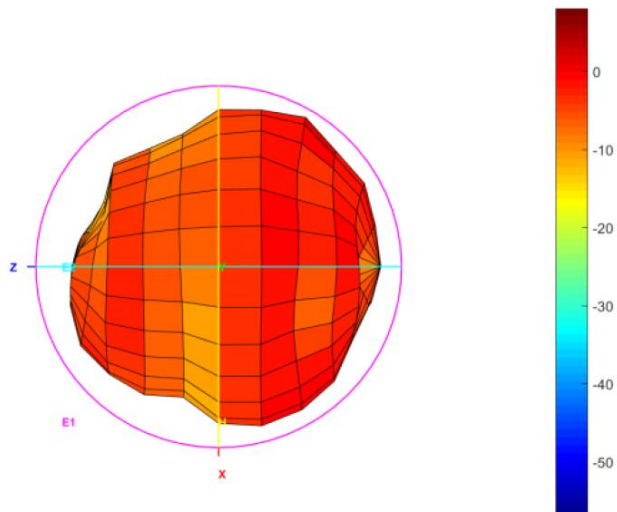


Total\_3D\_Side View 1\_2.6GHz

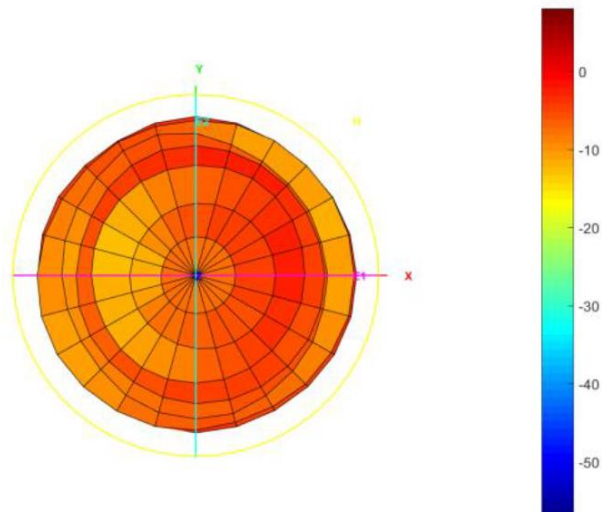




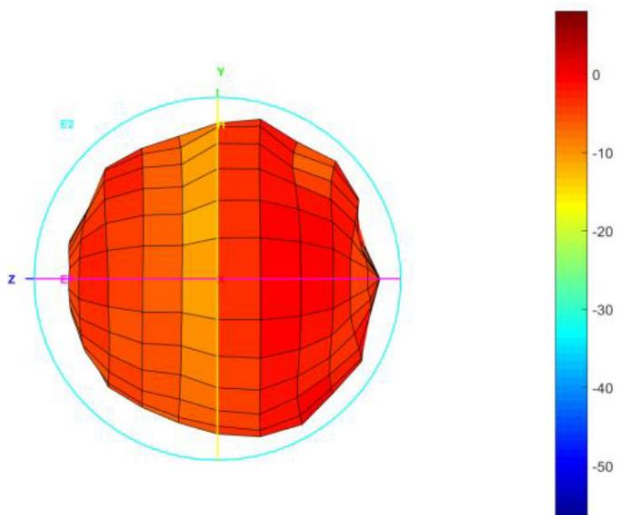
Total\_3D\_Top View\_2.7GHz



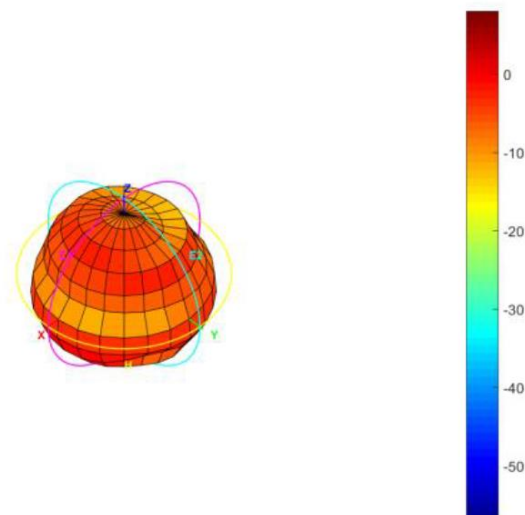
Total\_3D\_Front View\_2.7GHz



Total\_3D\_Left View\_2.7GHz



Total\_3D\_Side View 1\_2.7GHz



Frequency [MHz]	Return Loss [dB]	VSWR	Gain [dBi]
690	-7.07	2.80	-4.7
960	-6.77	2.86	-0.2
1575.42	-4.16	4.35	0
1710	-3.20	5.65	1.8
2100	-4.97	3.53	2.6
2600	-9.46	2.17	1
2700	-10.97	1.59	1.5

CONTACTS

SECTRON s.r.o. Josefa Šavla 1271/12  
709 00 Ostrava 9, Czech Republic

WWW.SECTRON.CZ  
Tel.: +420 556 621 020