



GSM ANTENNA

Antenna GSM Magnet Mount 50,
5 dBi, MMCX (m), RG174/3m

AO-AGSM-MG5C

SECTRON company offers a wide portfolio of GSM antennas with various versions 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.

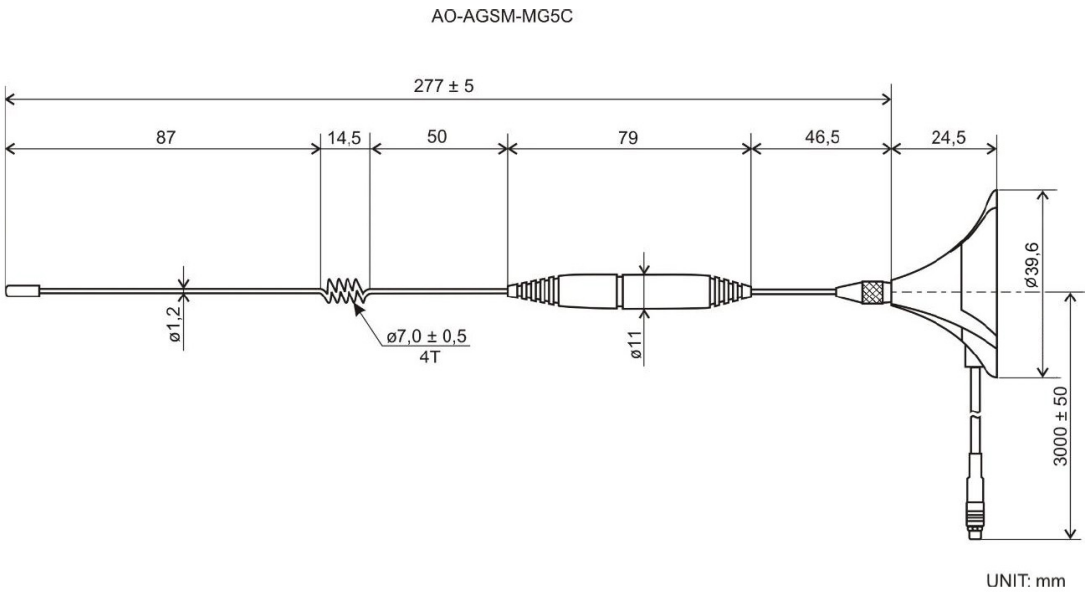
BENEFITS

- Low VSWR
- Easy installation
- Omnidirectional - suitable for moving devices

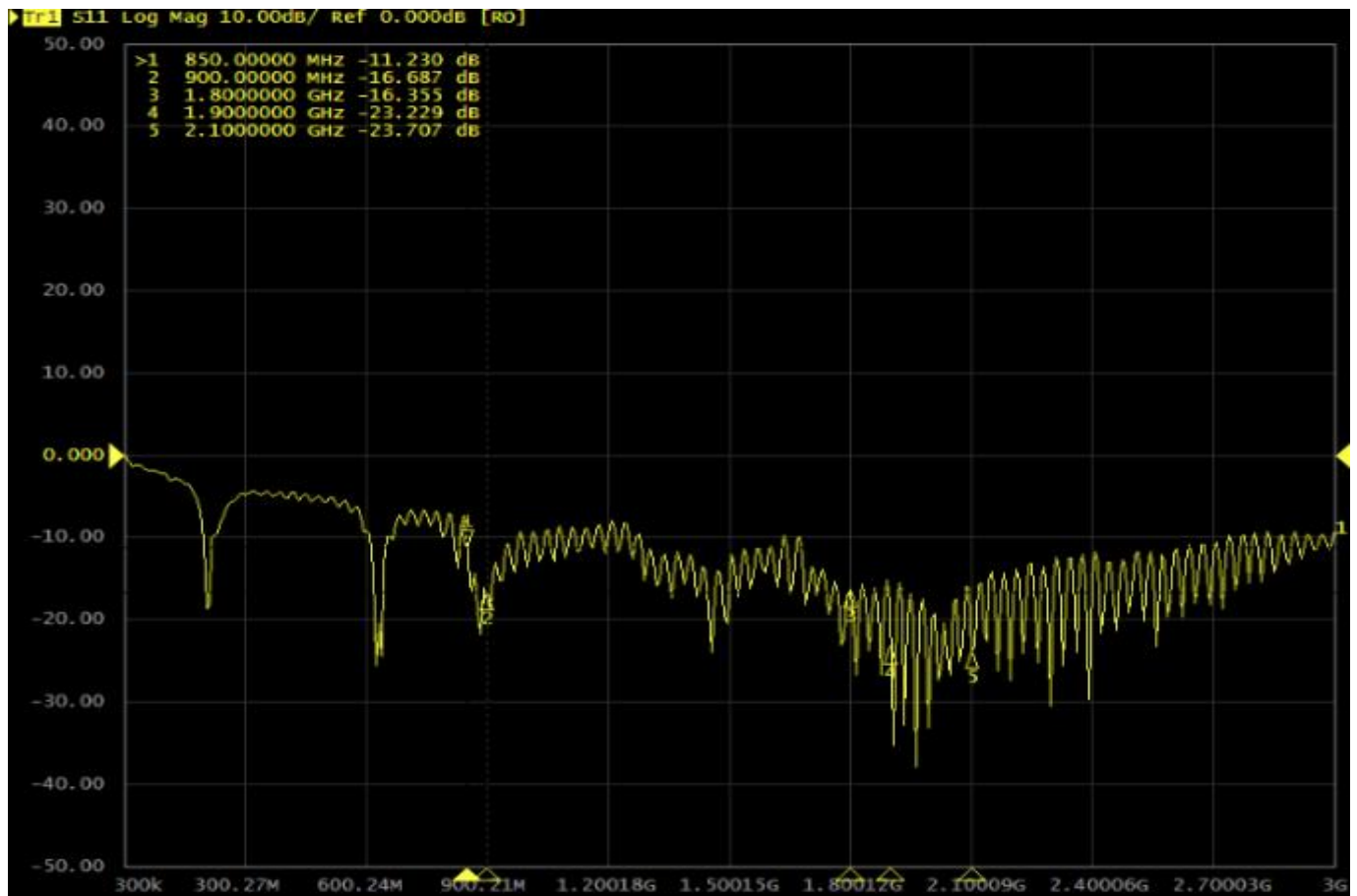


Technology	GSM
Frequency bands	800/900/1800/1900/2100 MHz
Bandwidth	-
Gain	5 dBi
VSWR	<1.8:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H-360°, V-30°
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	39.6 x 300 mm
Weight	58.76 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnet Mount
Cable type	RG174/U
The cable length	3 m
Connector type	MMCX (m)

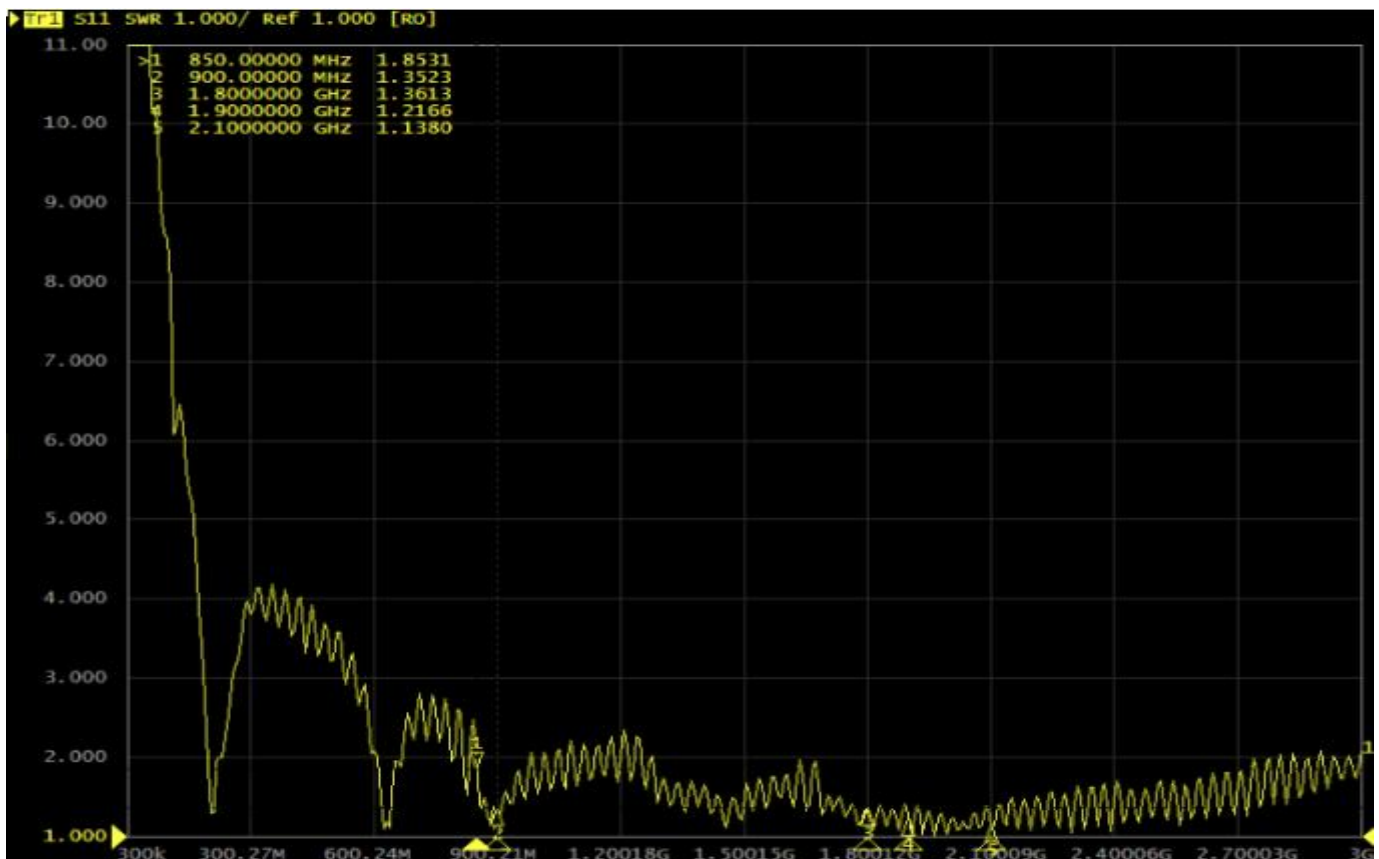
DRAWING



S11- Return loss [dB]

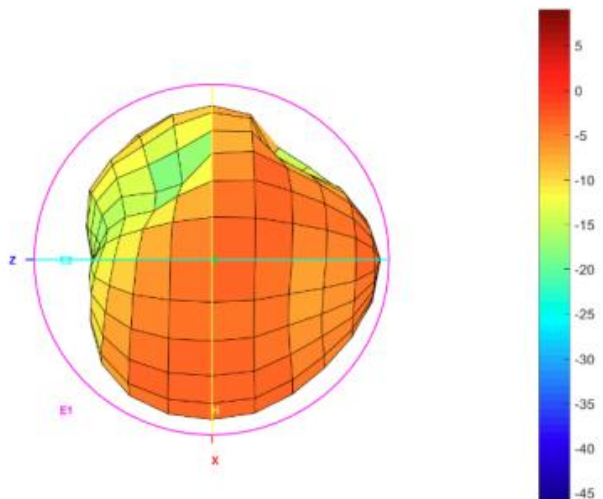


VSWR- Voltage standing wave ratio [-]

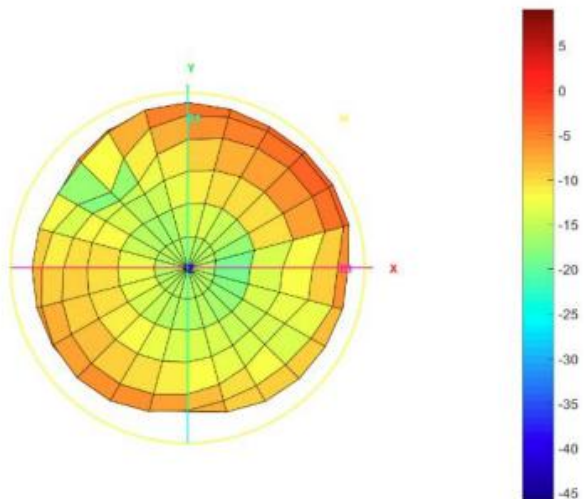


RADIATION PATTERN

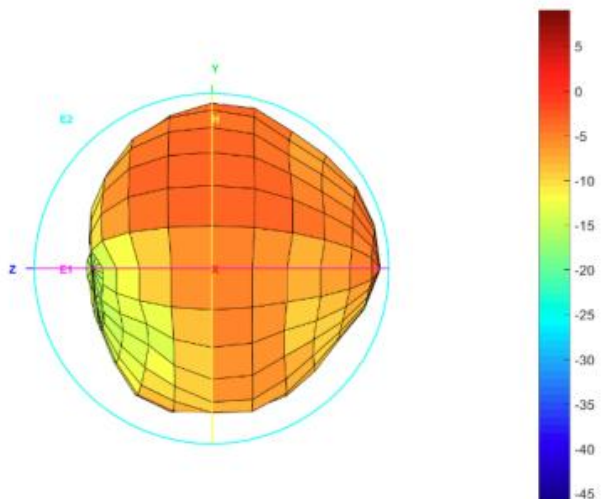
Total_3D_Top View_850MHz



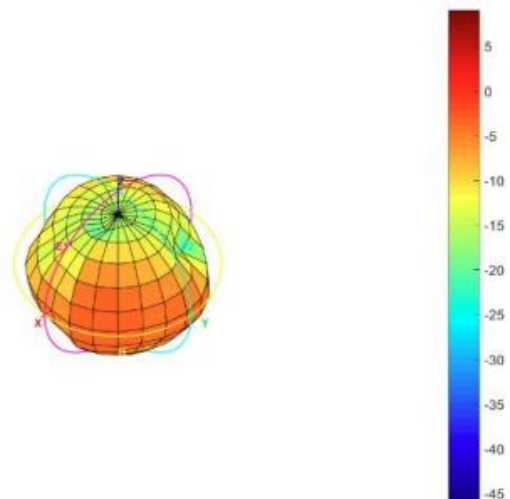
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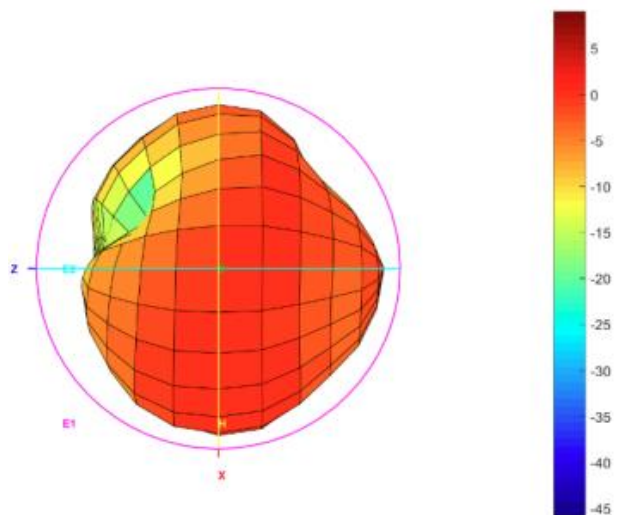
Total_3D_Left View_850MHz



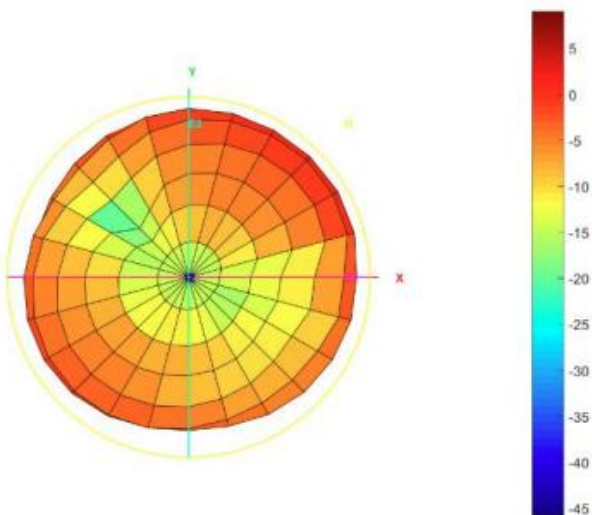
Total_3D_Side View 1_850MHz



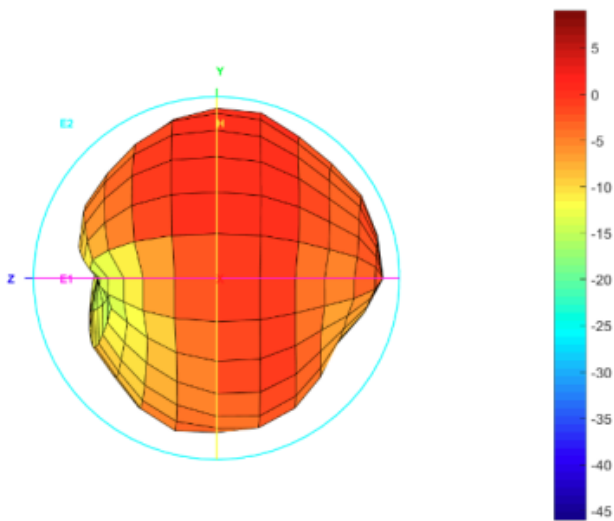
Total_3D_Top View_900MHz



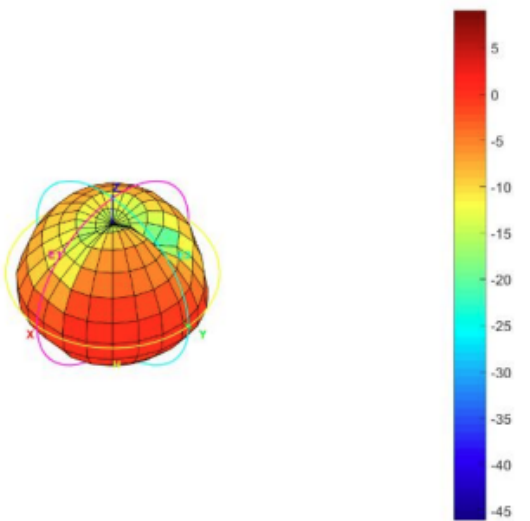
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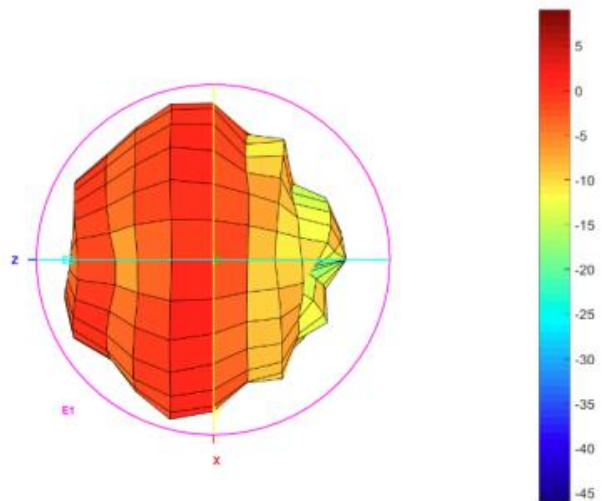
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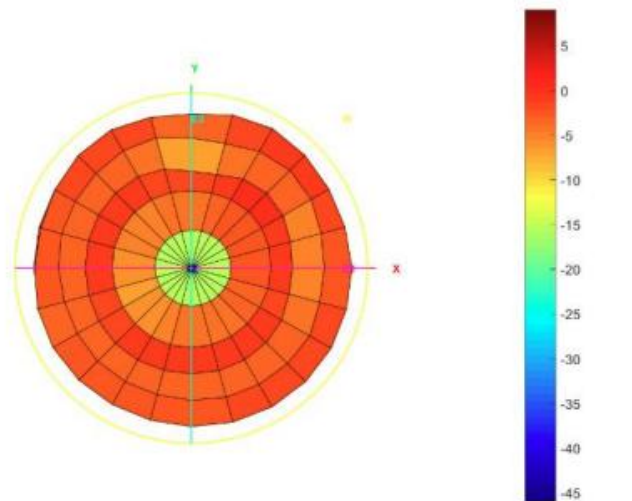
Total_3D_Side View 1_900MHz



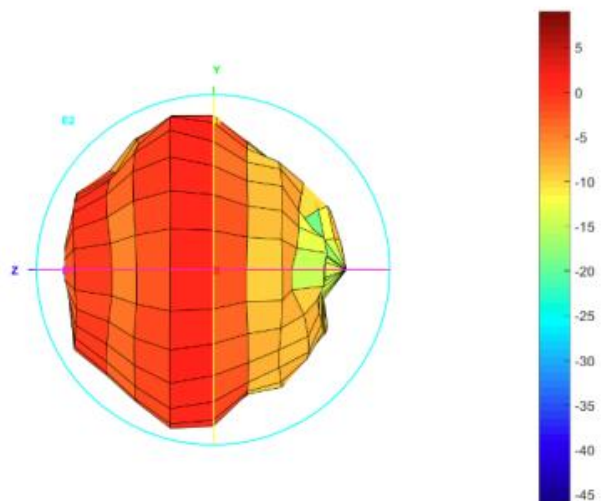
Total_3D_Top View_1.8GHz



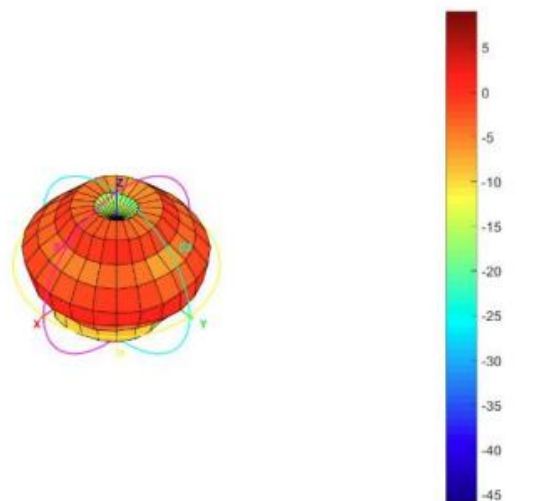
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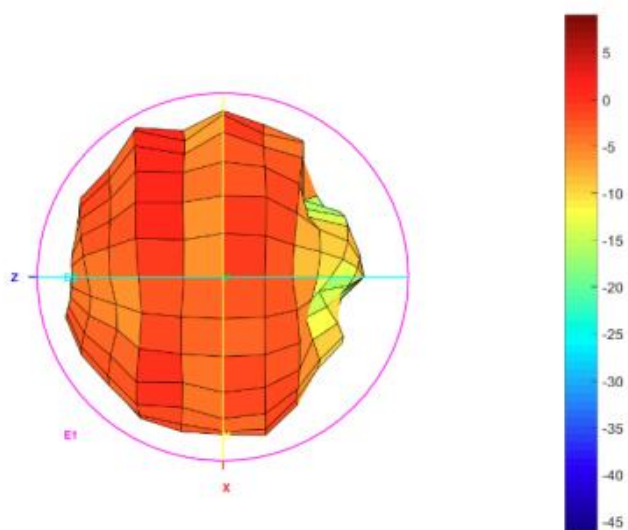
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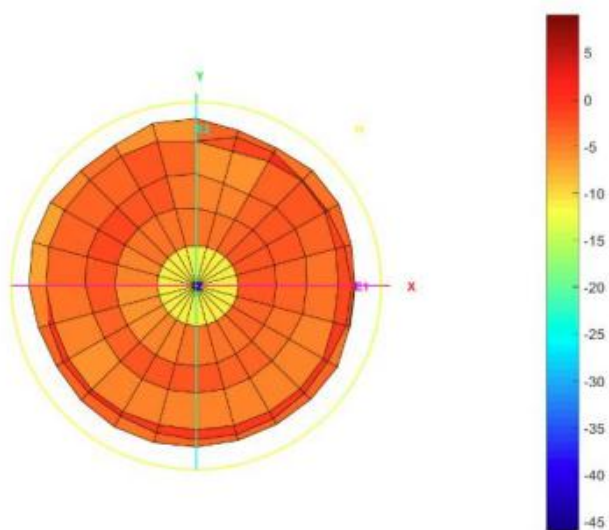
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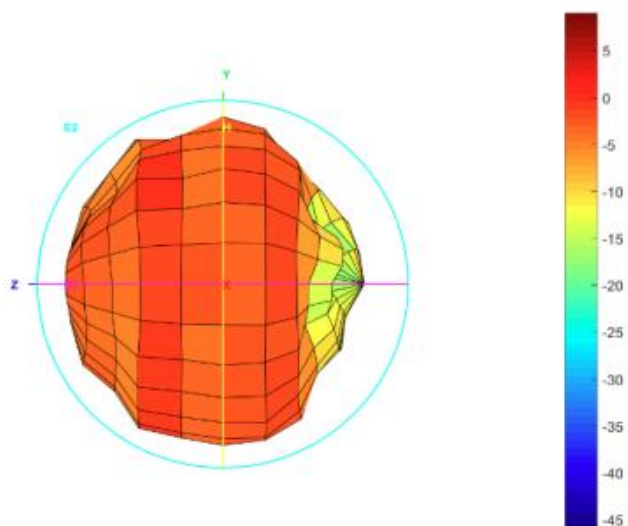
Total_3D_Top View_1.9GHz



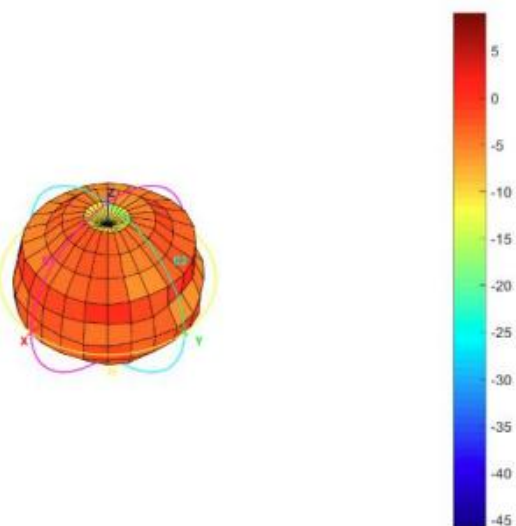
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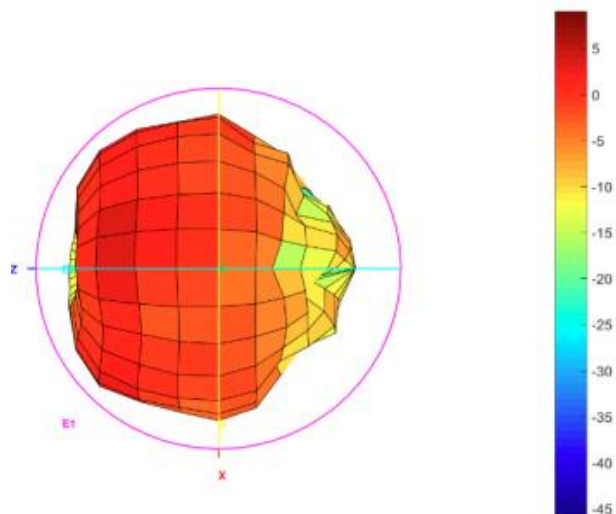
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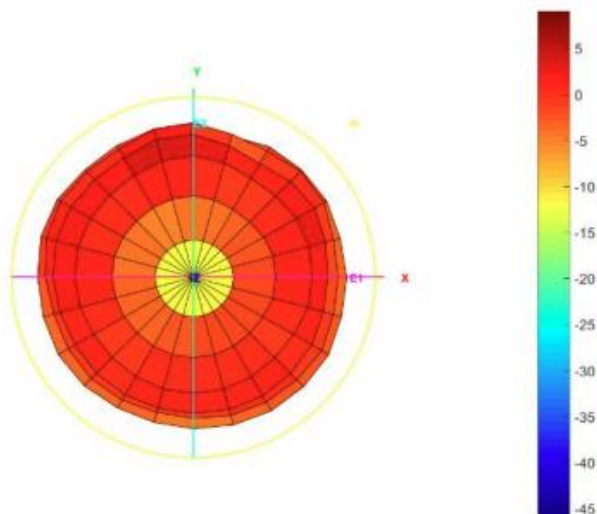
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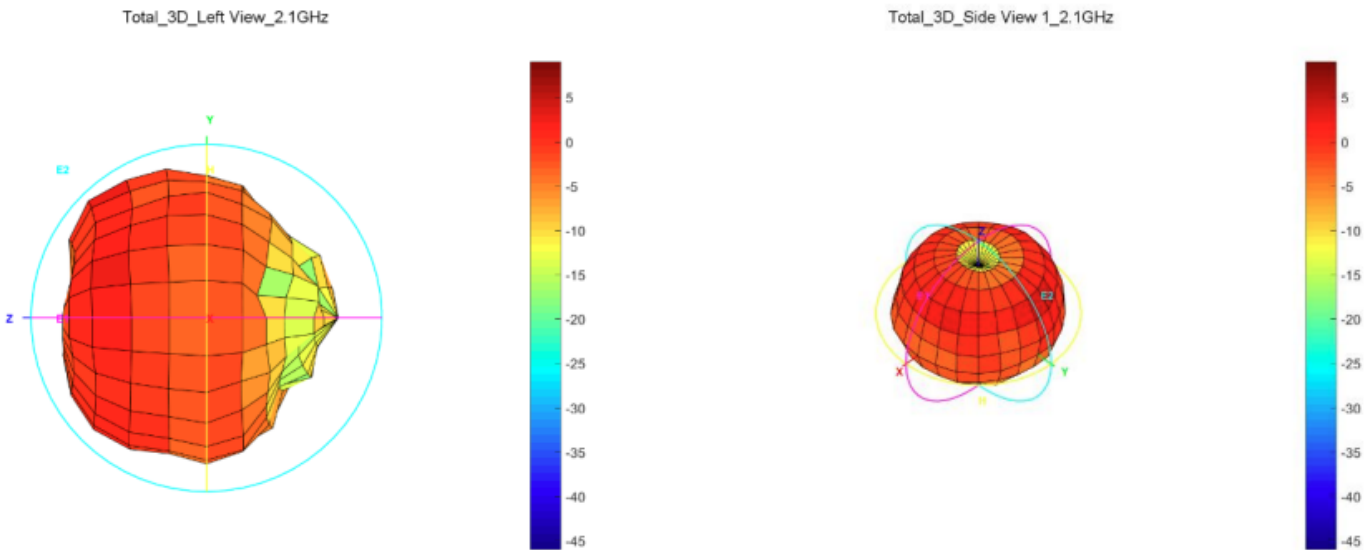


Total_3D_Top View_2.1GHz



Total_3D_Front View_2.1GHz





Frequency (MHz)	Return Loss (dB)	VSWR	Efficiency (%)	Gain (dBi)
850	-11.23	1.85	19.68	-3.08
900	-16.68	1.35	42.85	0.4
1800	-16.35	1.36	44.67	1.48
1900	-23.22	1.21	42.95	1.11
2100	-23.70	1.13	54.58	3.45

ALL VARIANTS

VARIANT	PART NUMBER
Antenna GSM Magnetic 50, 5dBi, FME(f), RG174 3m	AO-AGSM-MG5F
Antenna GSM Magnetic 50, 5dBi, MCX90(m), RG174 3m	AO-AGSM-MG5M
Antenna GSM Magnetic 50, 5dBi, MMCX(m), RG174 3m	AO-AGSM-MG5C
Antenna GSM Magnetic 50, 5dBi, SMA(m), RG174/3m	AO-AGSM-MG5S

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