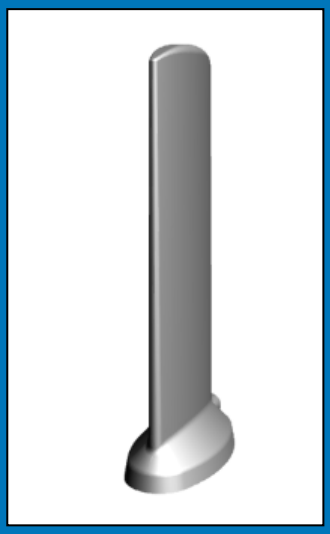
dynaflex®
MOBILE ANTENNAS

631_030RG174_SMA

4G DIPOLE ANTENNA



MAIN FEATURES:

- Wide band
- Bracket mount or magnetic munt
- No ground plane required
- RoHS Compliant
- Good Efficiency
- Indoor use

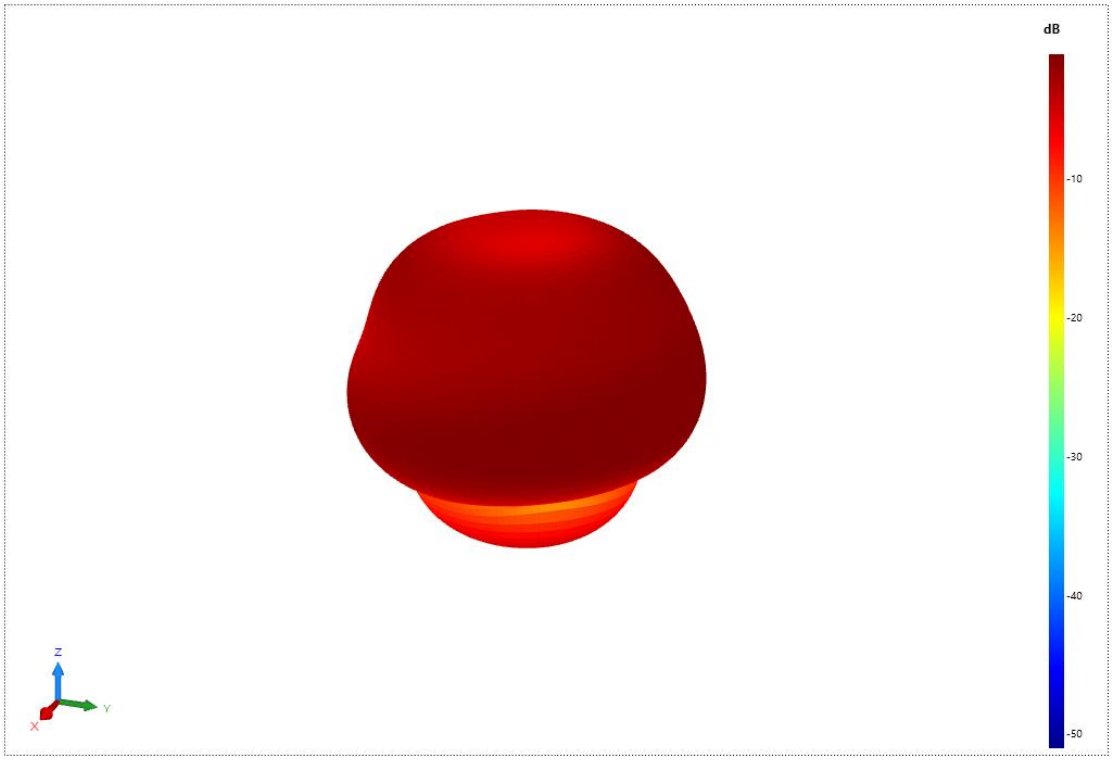
LTE 4G Frequency Bands

B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B30, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B48, B49, B52, B53, B65, B66, B68, B70, B85

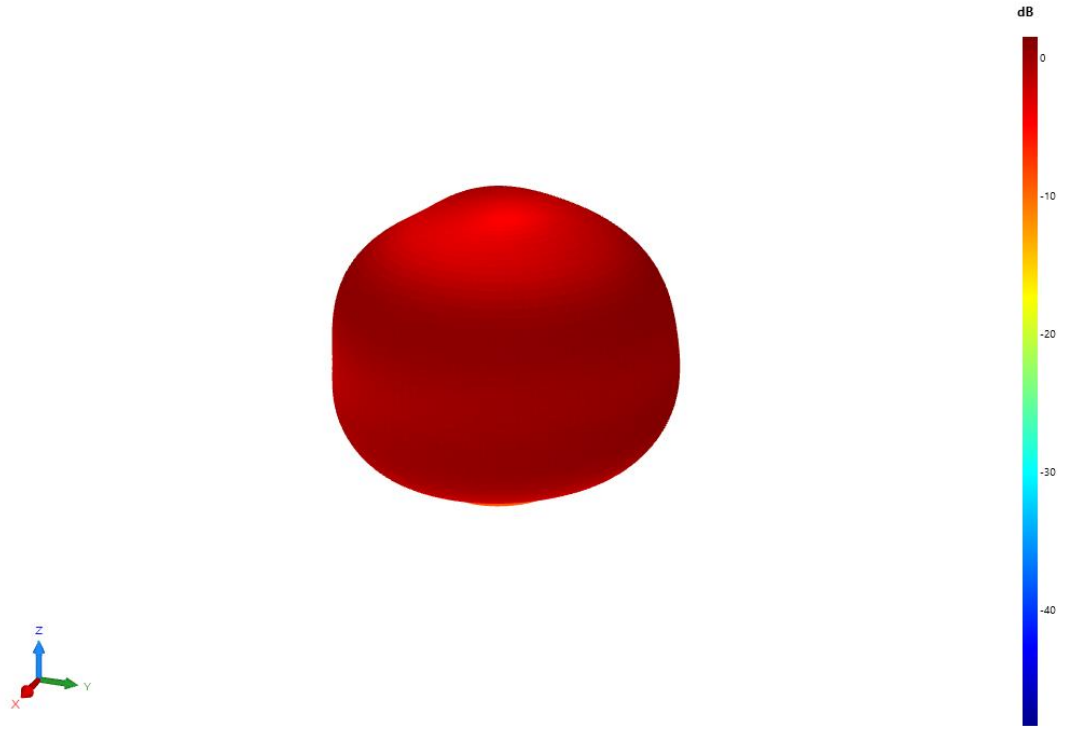
Parameter

Dimension	130x50x20 mm
Operating Temperature	-20/70 °C
Cable type	RG174
Cable length	300 mm
Connector	SMA MALE
Nominal impedance	50 Ohm

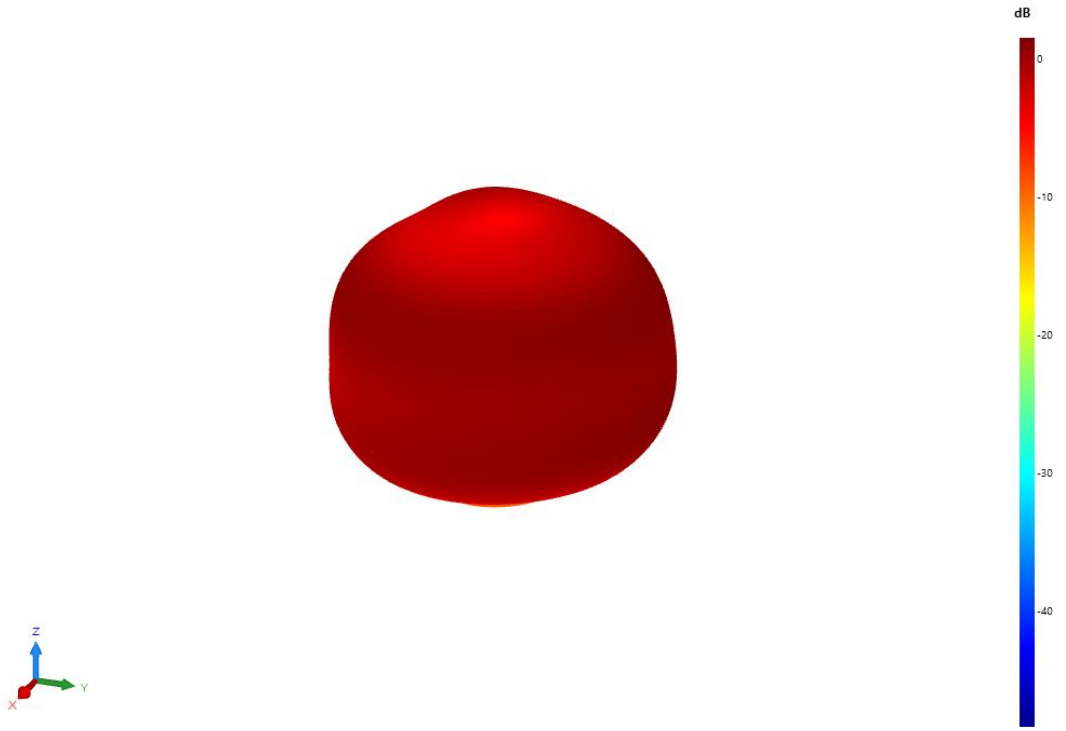
3D PATTERNS



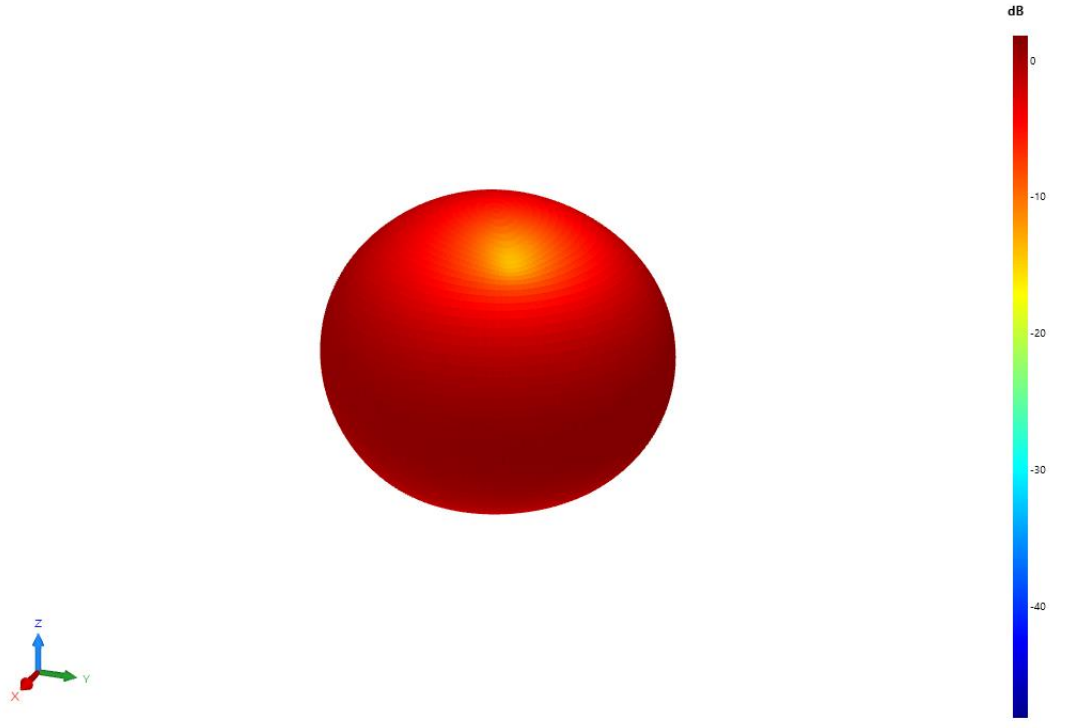
700 MHz



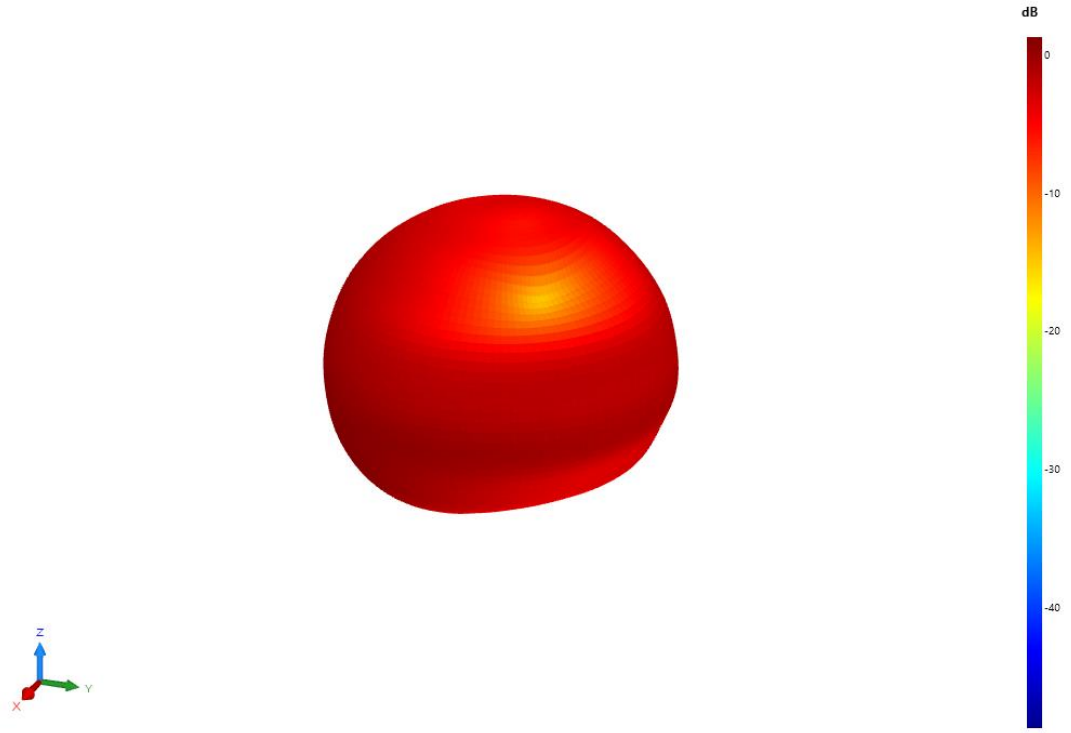
800 MHz



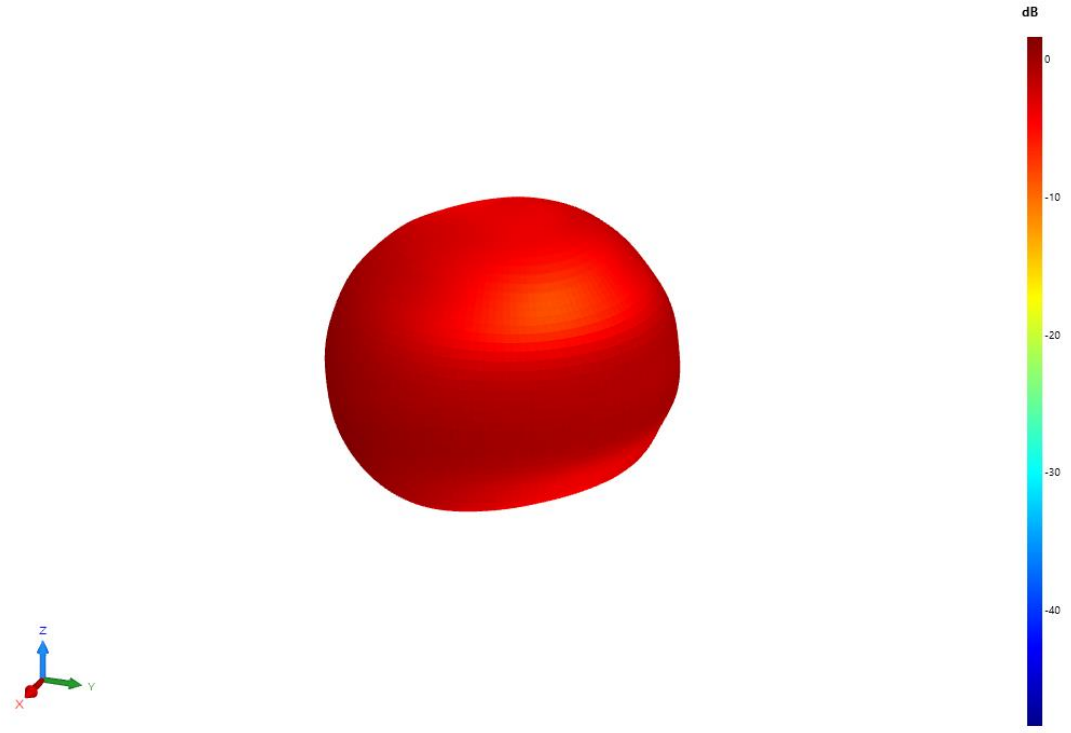
900 MHz



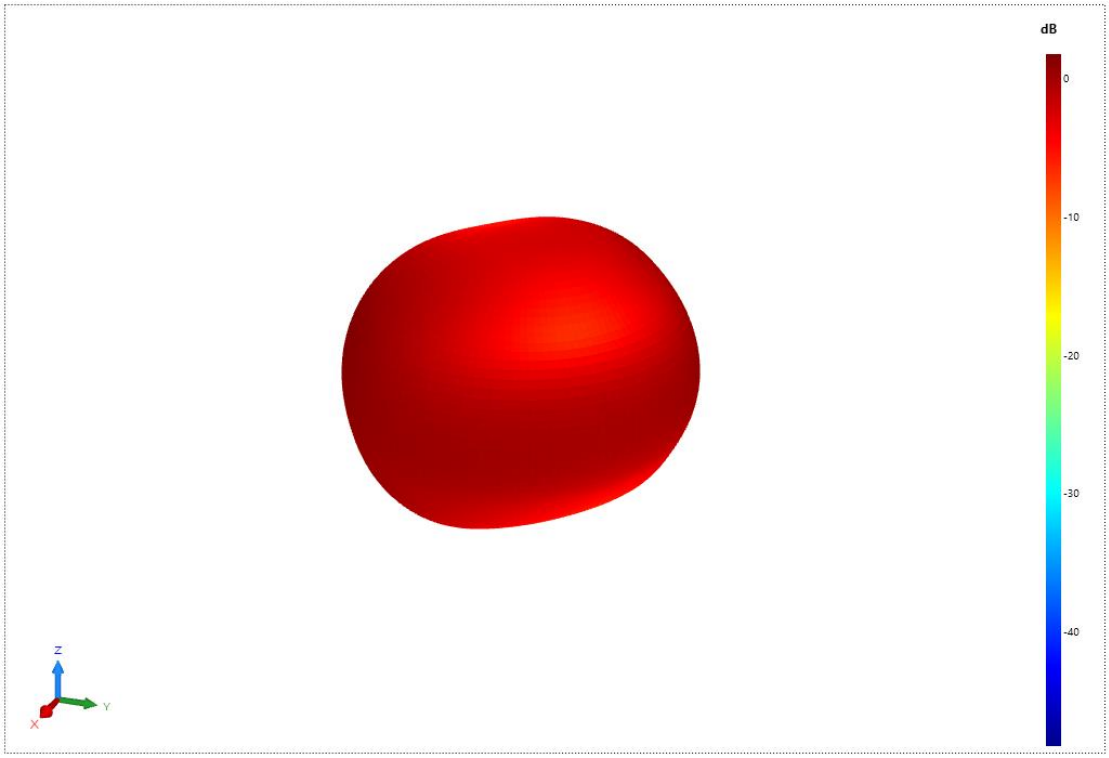
960 MHz



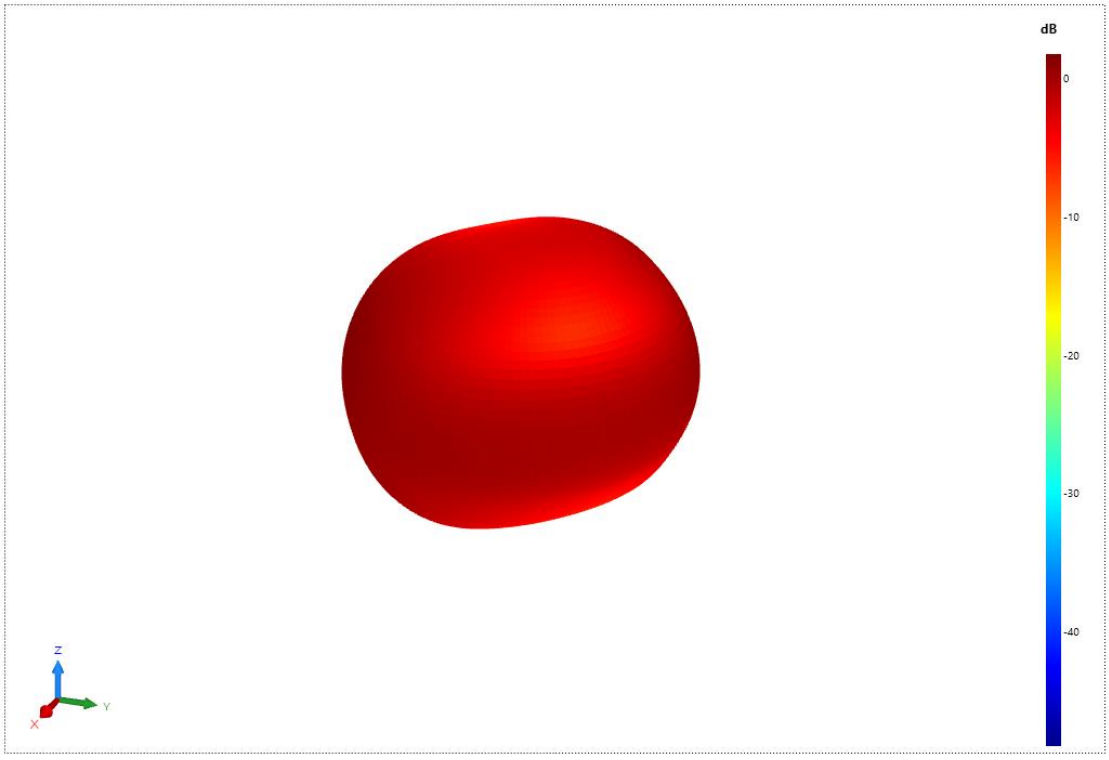
1710 MHz



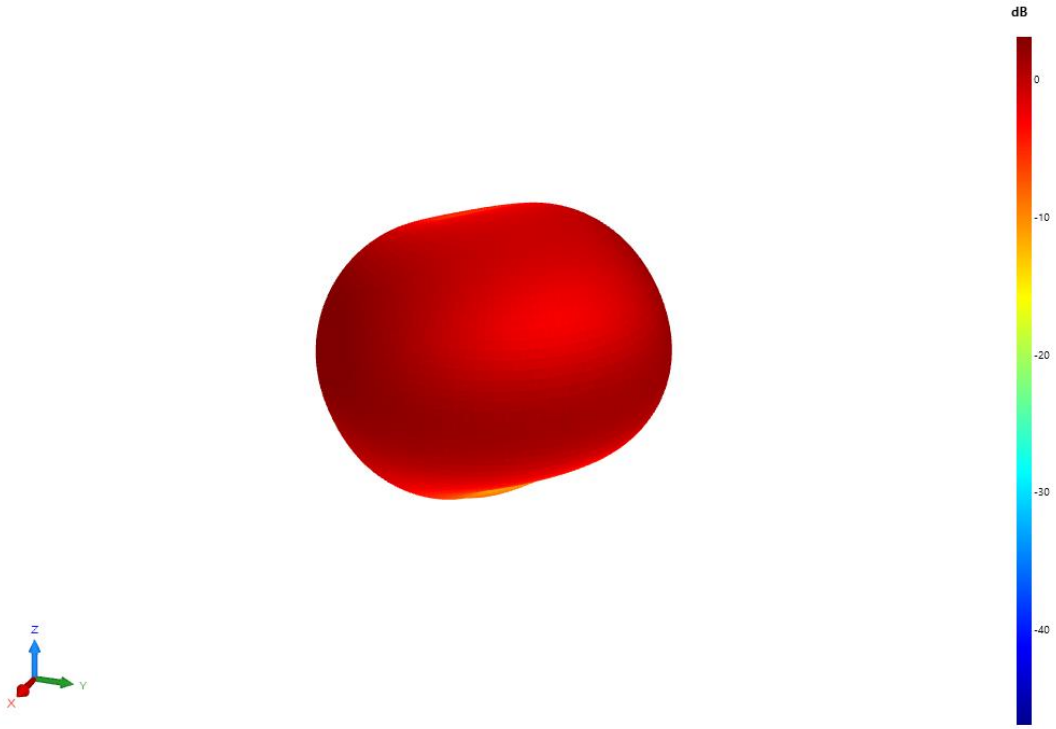
1800 MHz



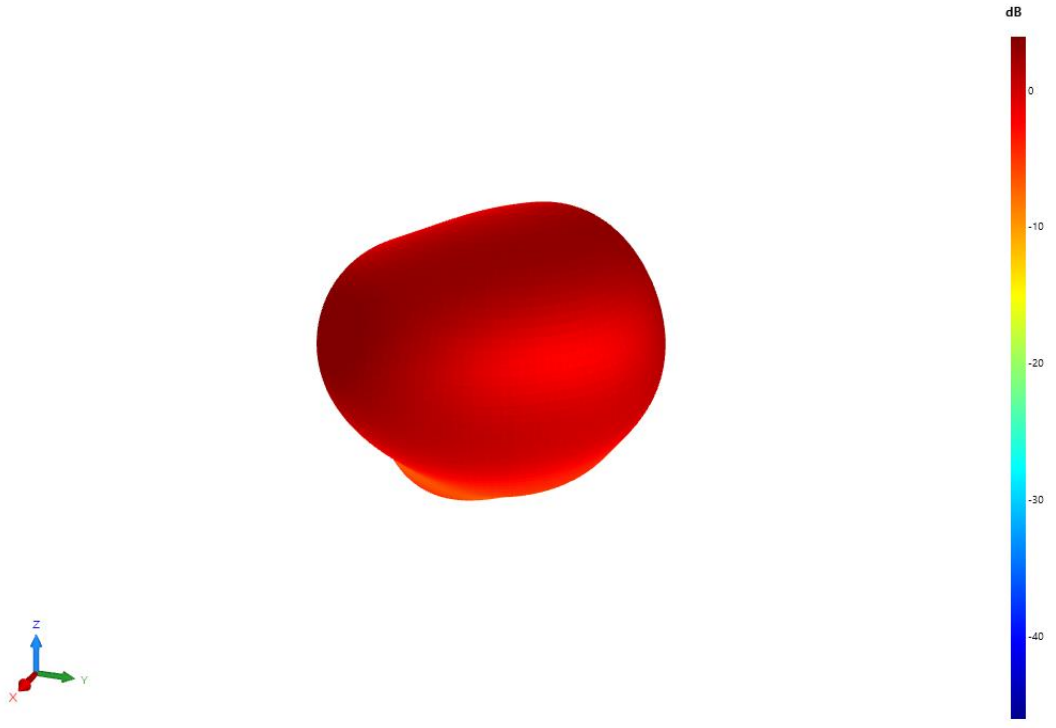
1900 MHz



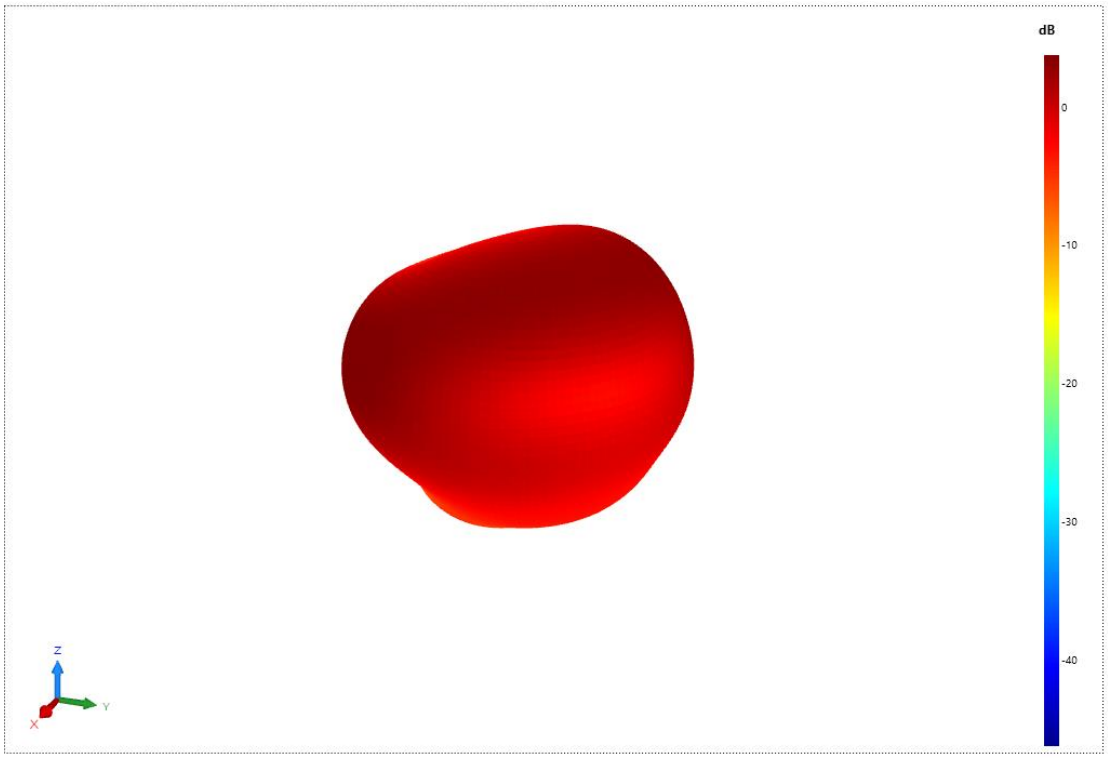
2000 MHz



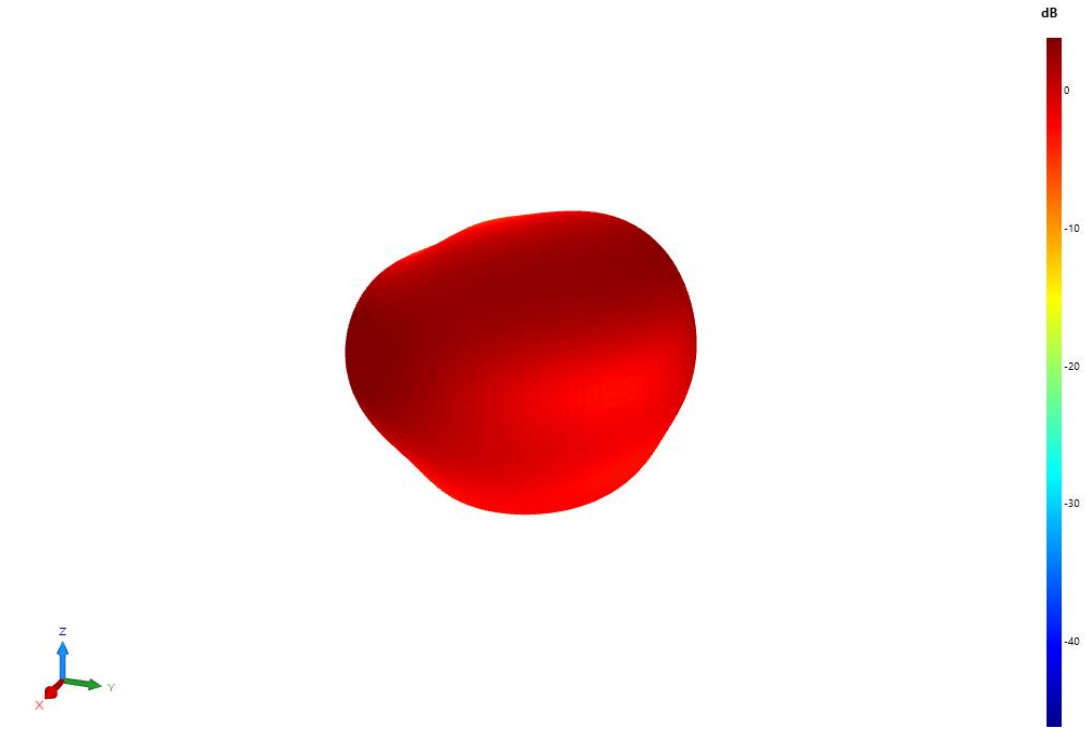
2100 MHz



2500 MHz

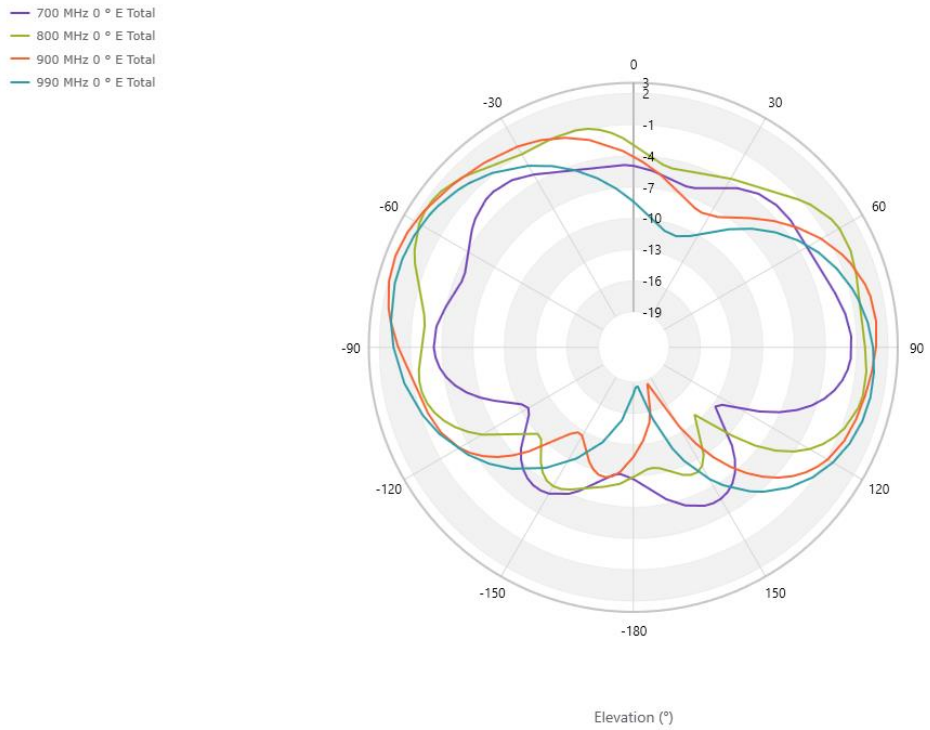


2600 MHz

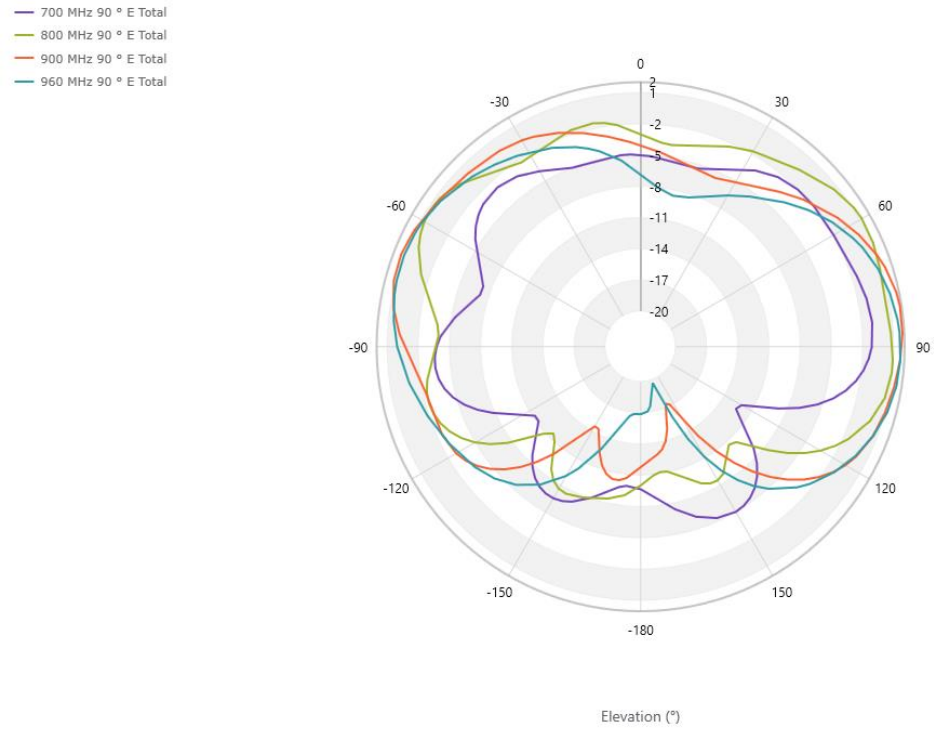


2700 MHz

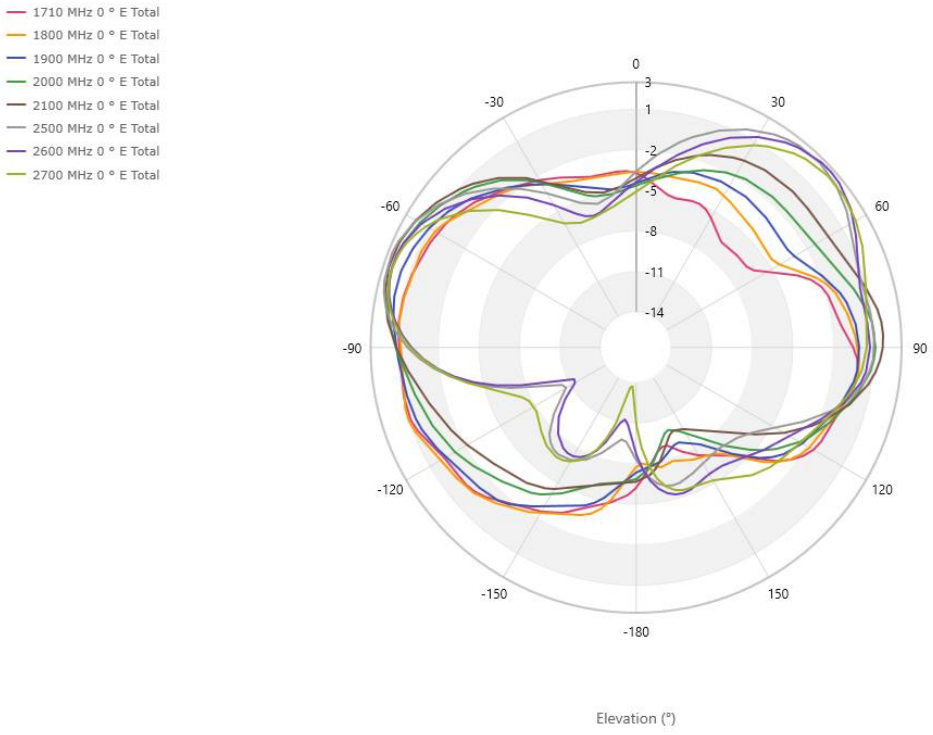
POLAR PATTERNS



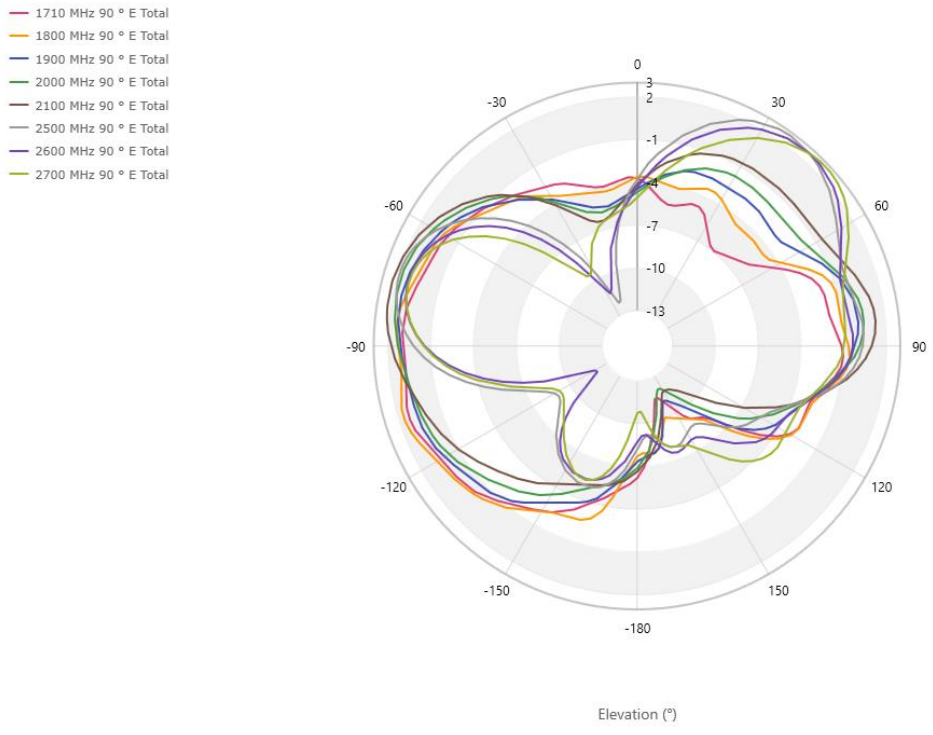
700-960 MHz ELEVATION 0°



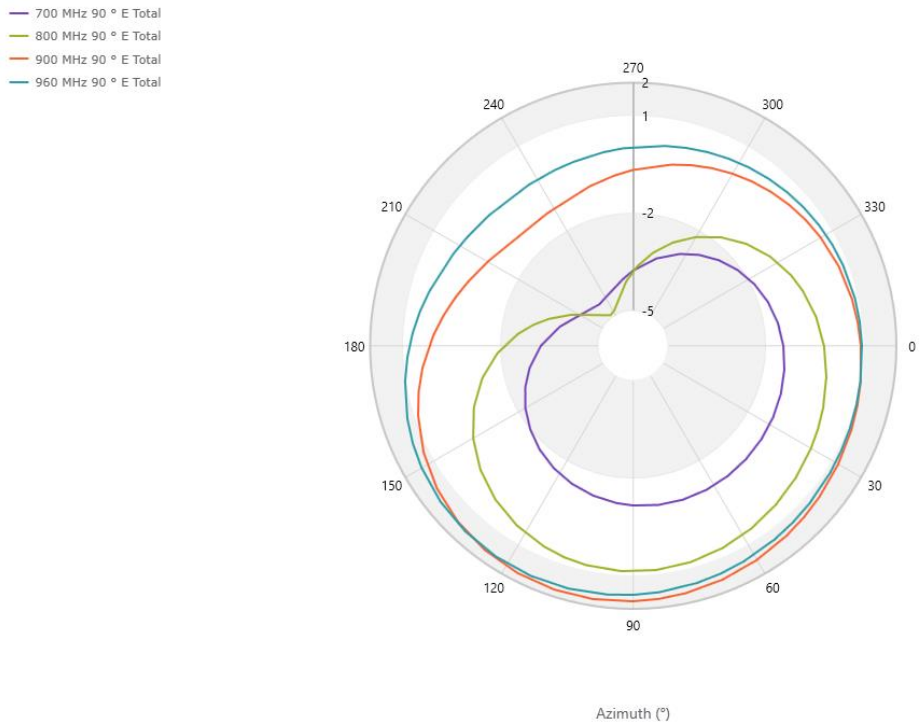
700-960 MHz ELEVATION 90°



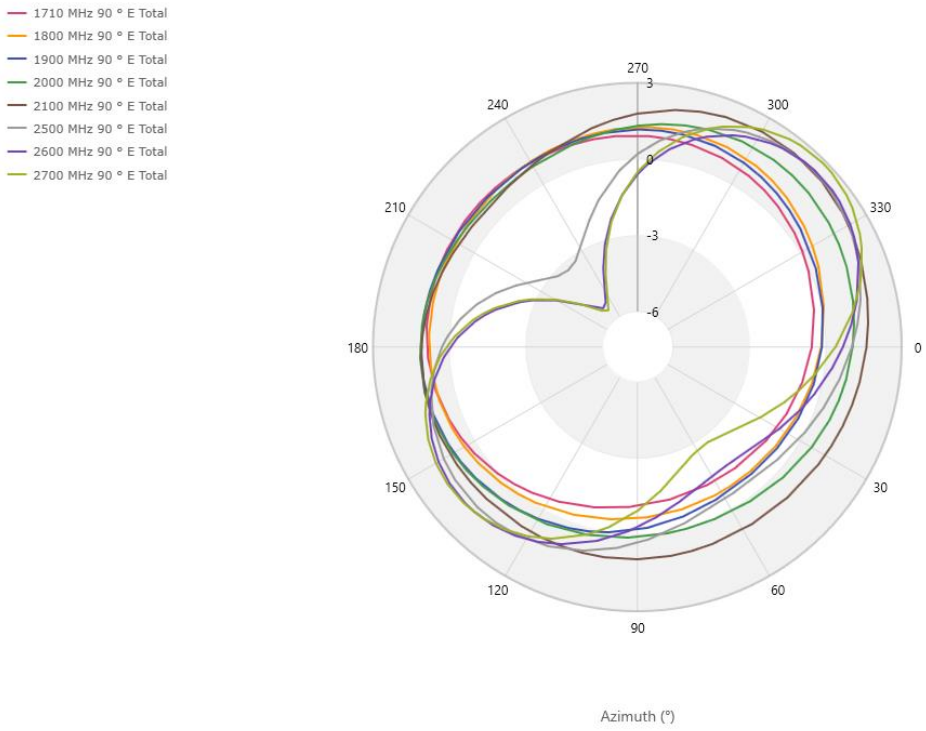
1710-2700 MHz ELEVATION 0°



1710-2700 MHz ELEVATION 90 °

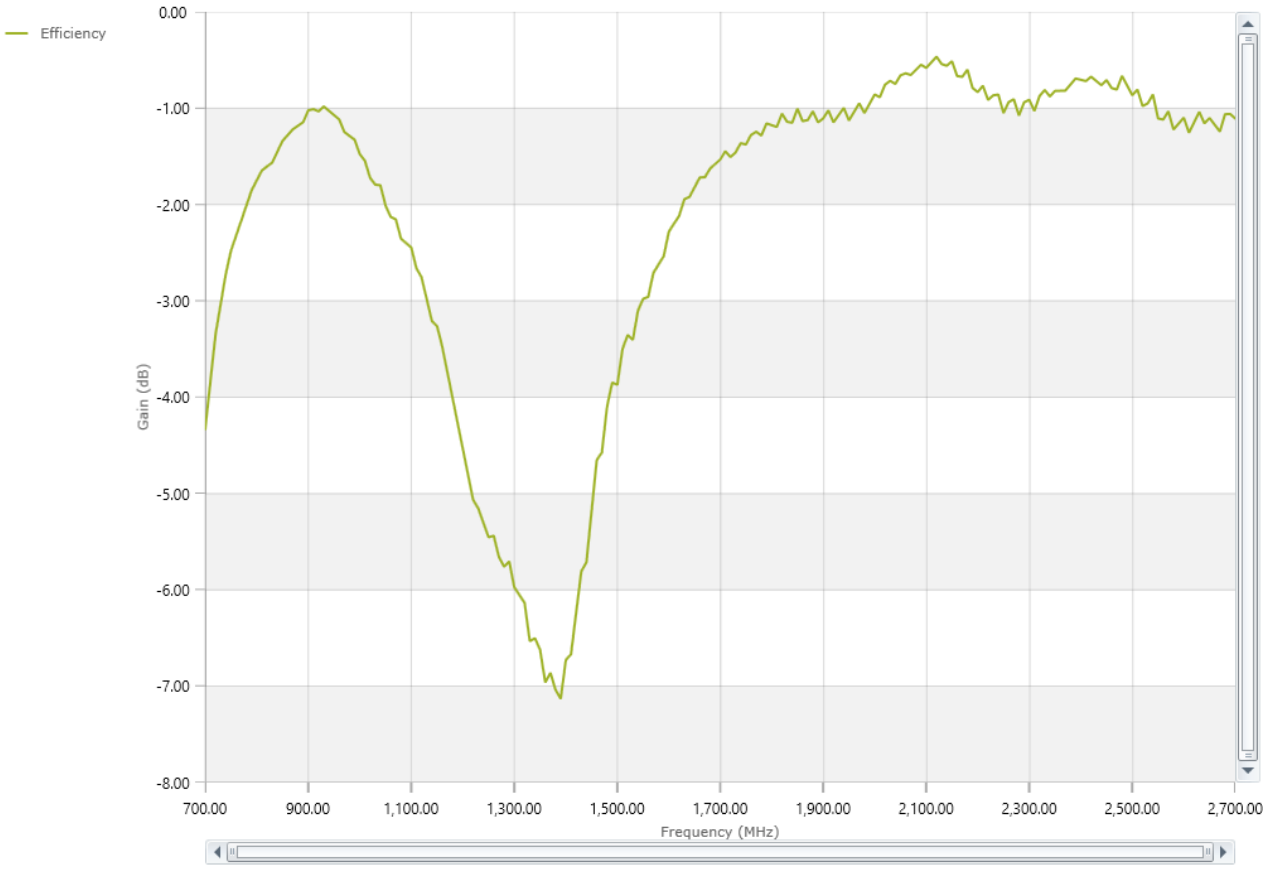


700-960 MHz AZIMUTH 90°



1710-2700 MHz AZIMUTH 90°

EFFICIENCY DIAGRAM (dB)



- **Patterns are obtained with a sample with 300mm long coaxial line**

COAXIAL LINE CHARACTERISTICS

	Dielectric strength (kV)	Insulation Resistance (MOhm.km)	Impedance (Ohm)	Capacitance (pF/m)	Speed (%)	Weight (kg/km)	Min bending Indoor radius
Rg174/u	2.0	>5000	50+/-2	100+/-5	0.66	15	15

ATTENUATION CONSTANT dB/100m

	100 MHz	200 MHz	400 MHz	800 MHz	1000 MHz	1500 MHz	2000 MHz
Rg174/u	27.85	44.26	63.55	86.43	101.64	122.51	142.22