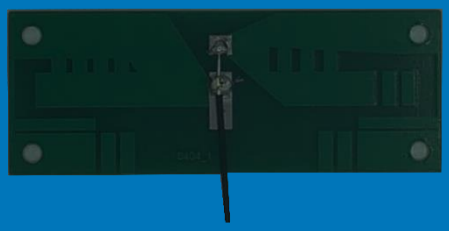
dynaflex®
MOBILE ANTENNAS

539

4G DIPOLE ANTENNA

MAIN FEATURES:

- Wide band
- Adhesive mount
- No ground plane required
- RoHS Compliant
- Good Efficiency
- Indoor use



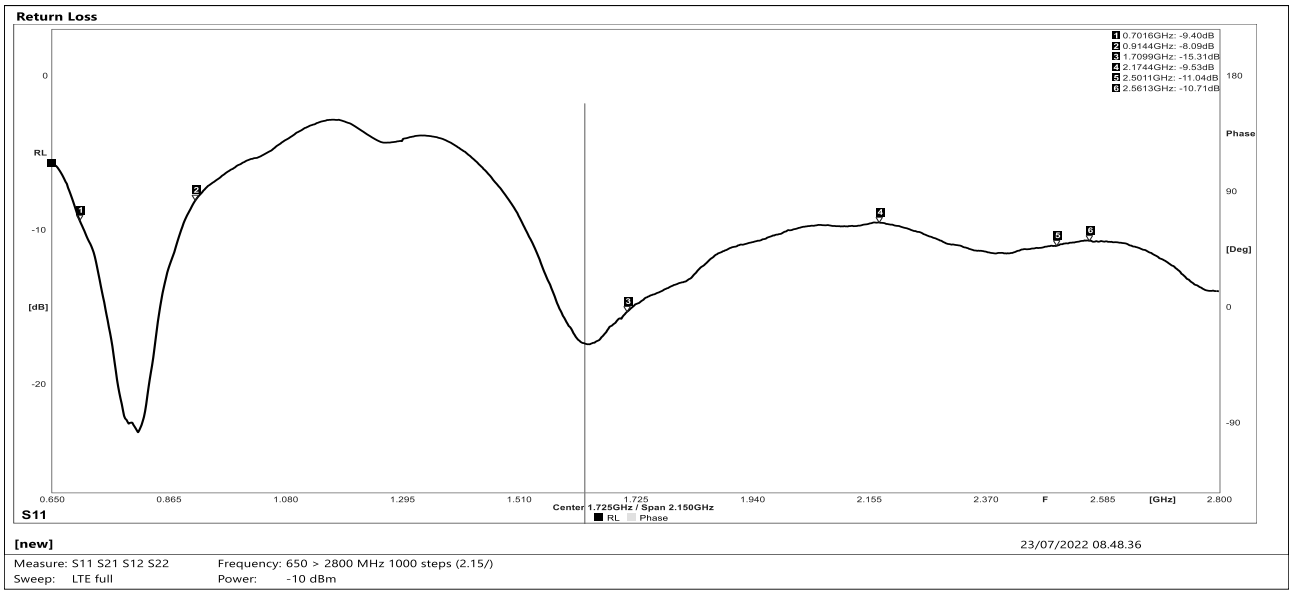
LTE 4G Frequency Bands

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

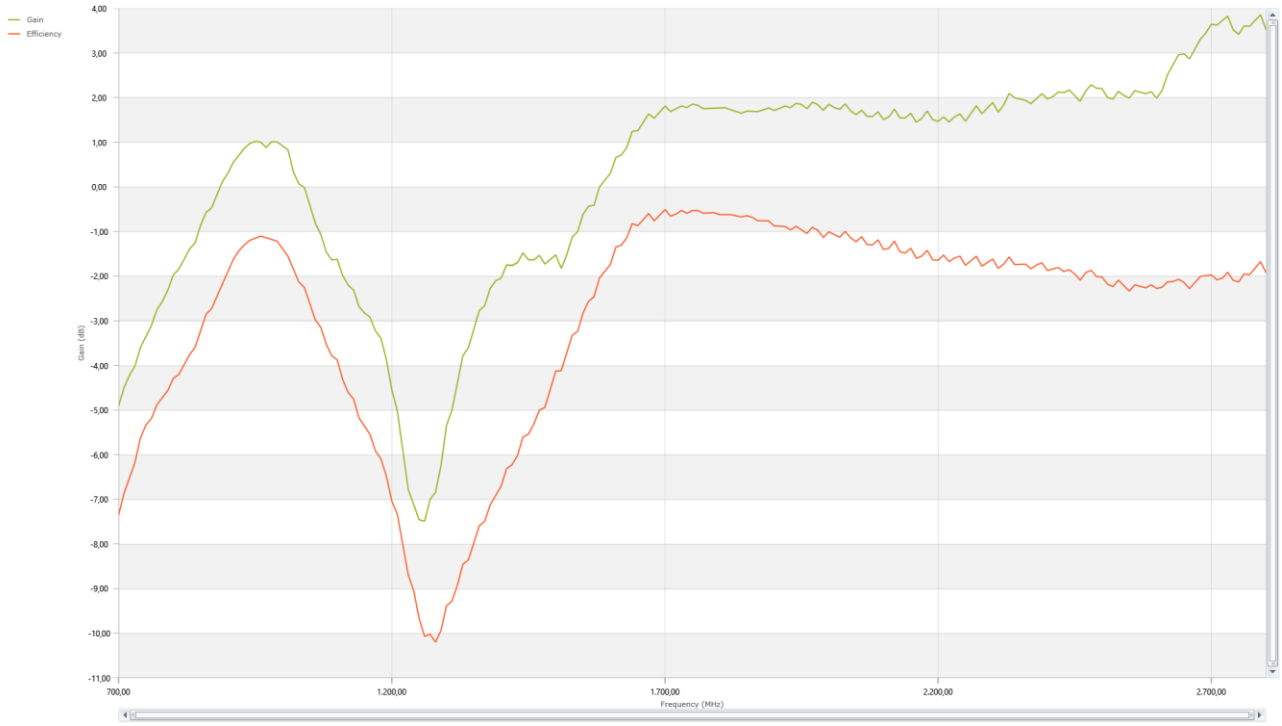
Parameter

Dimension	28.5x76x1 mm
Operating Temperature	-20/70 °C
Cable type	Custom
Cable length	Custom
Connector	Custom
Nominal impedance	50 Ohm

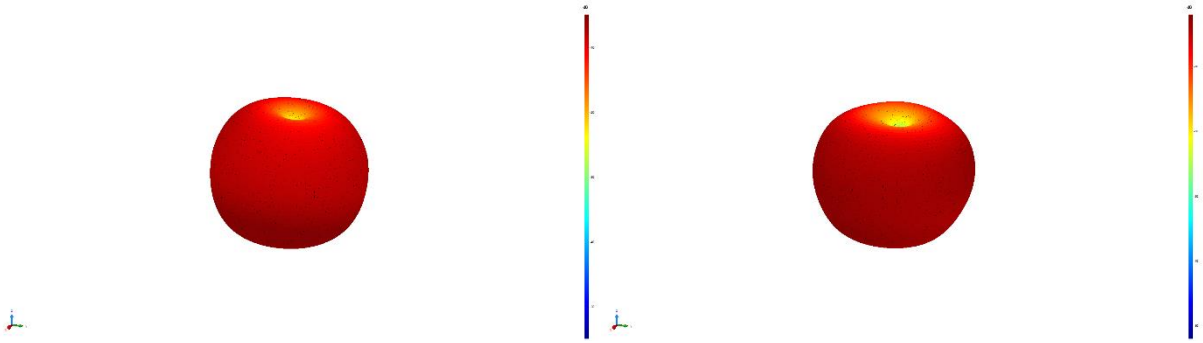
S11 DIAGRAM



EFFICIENCY DIAGRAM (dB)

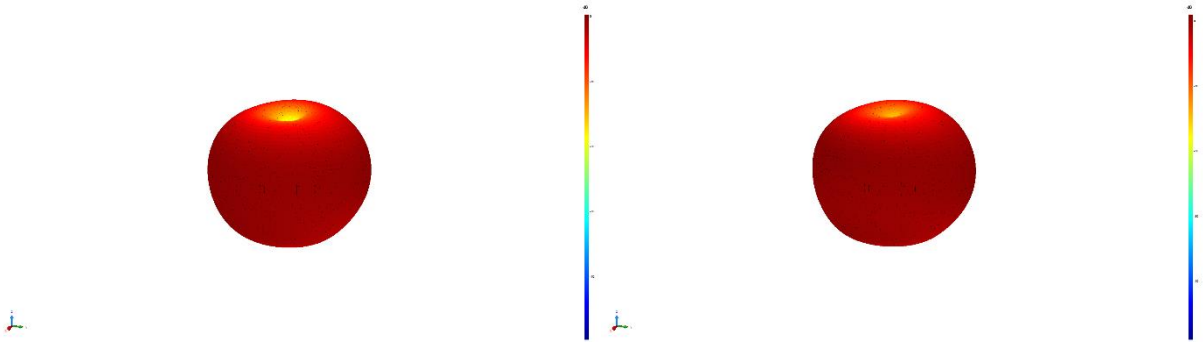


3D PATTERNS



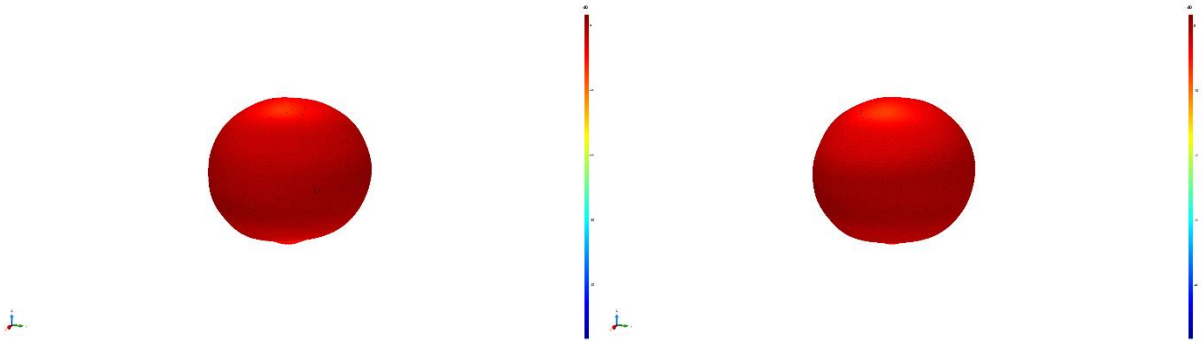
700 MHz

800 MHz



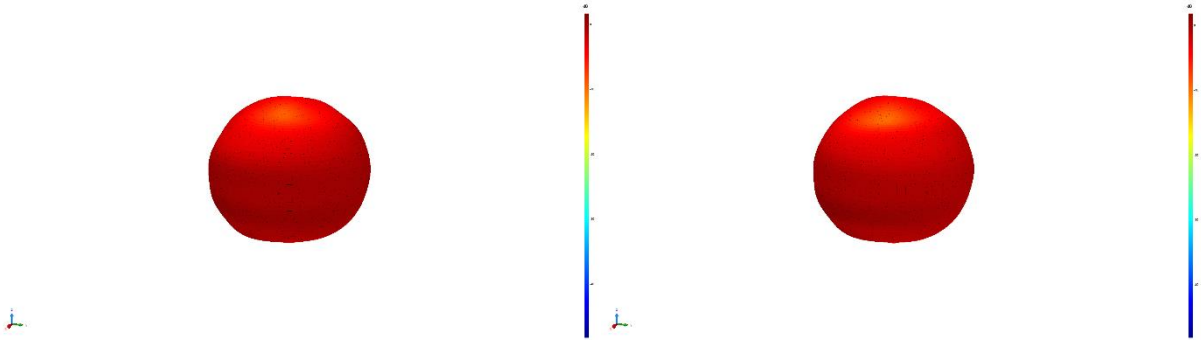
900 MHz

960 MHz



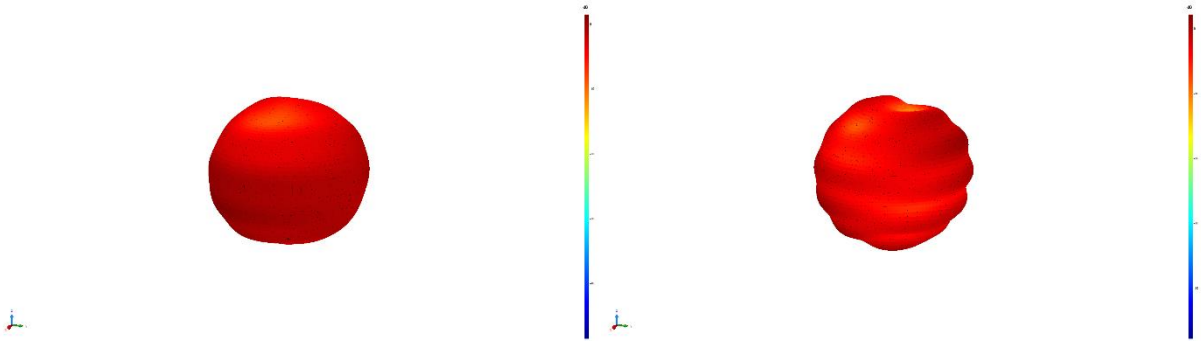
1710 MHz

1800 MHz



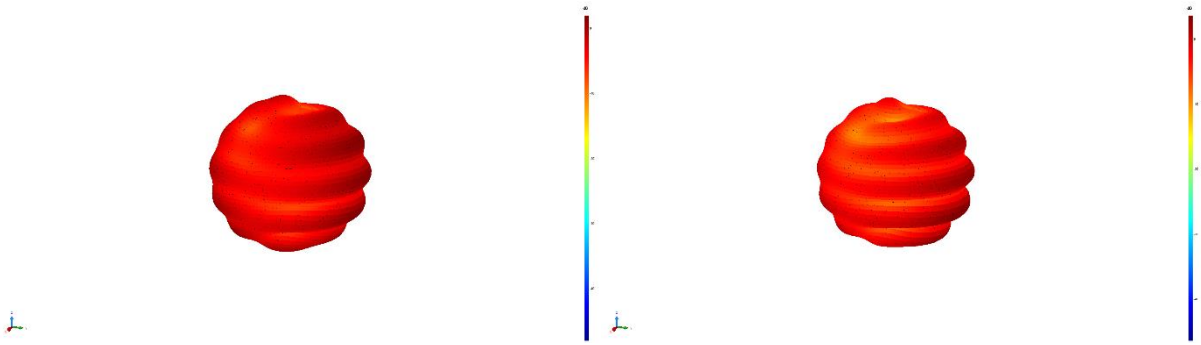
1900 MHz

2000 MHz



2100 MHz

2500 MHz



2600 MHz

2700 MHz

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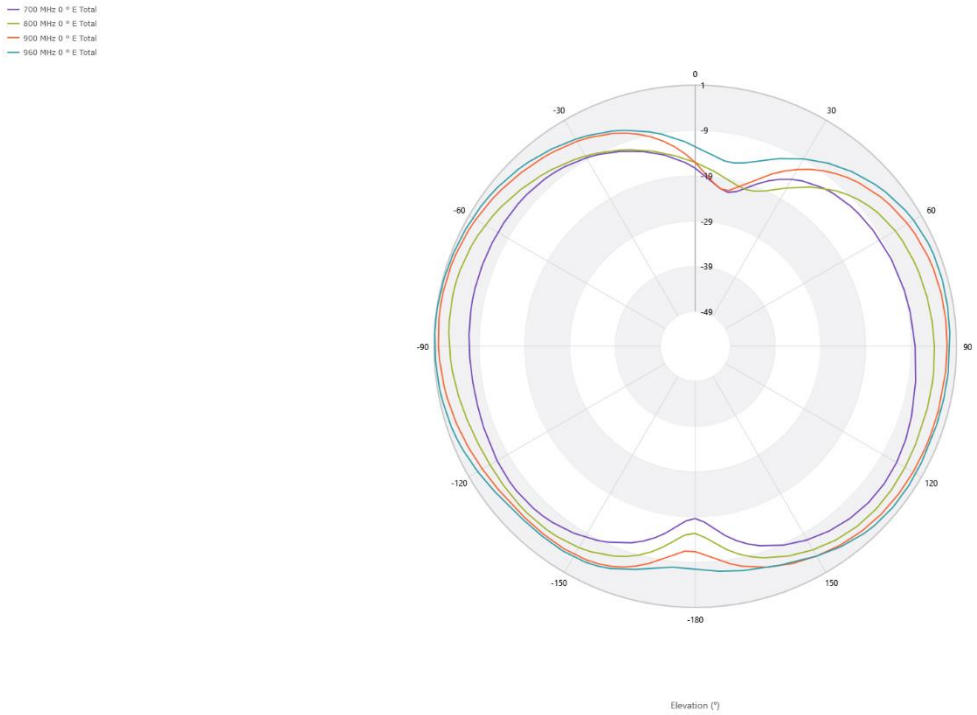
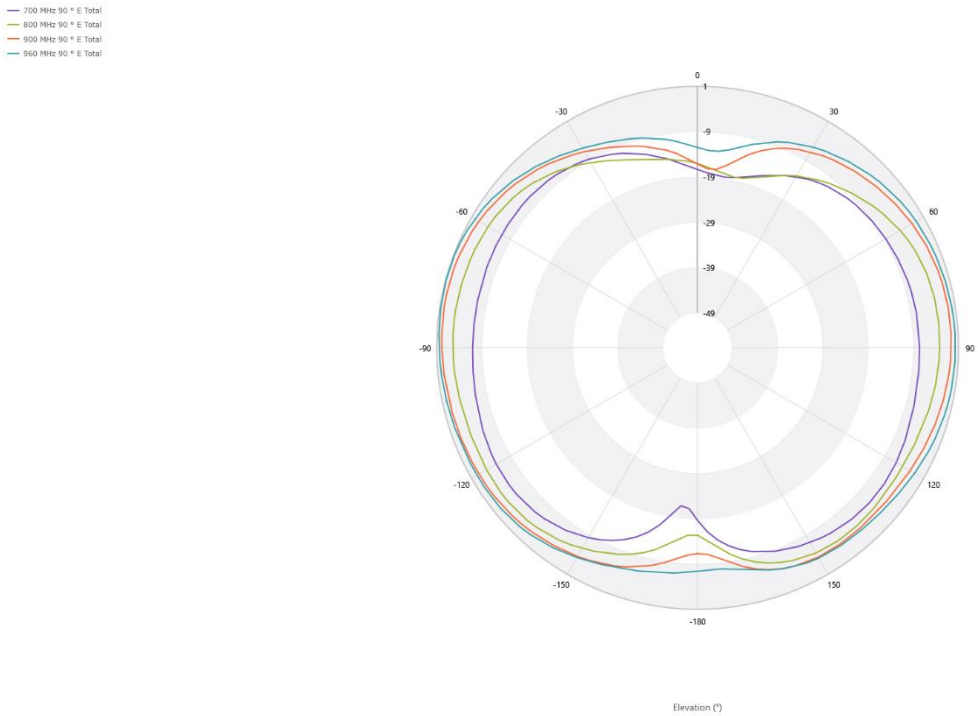
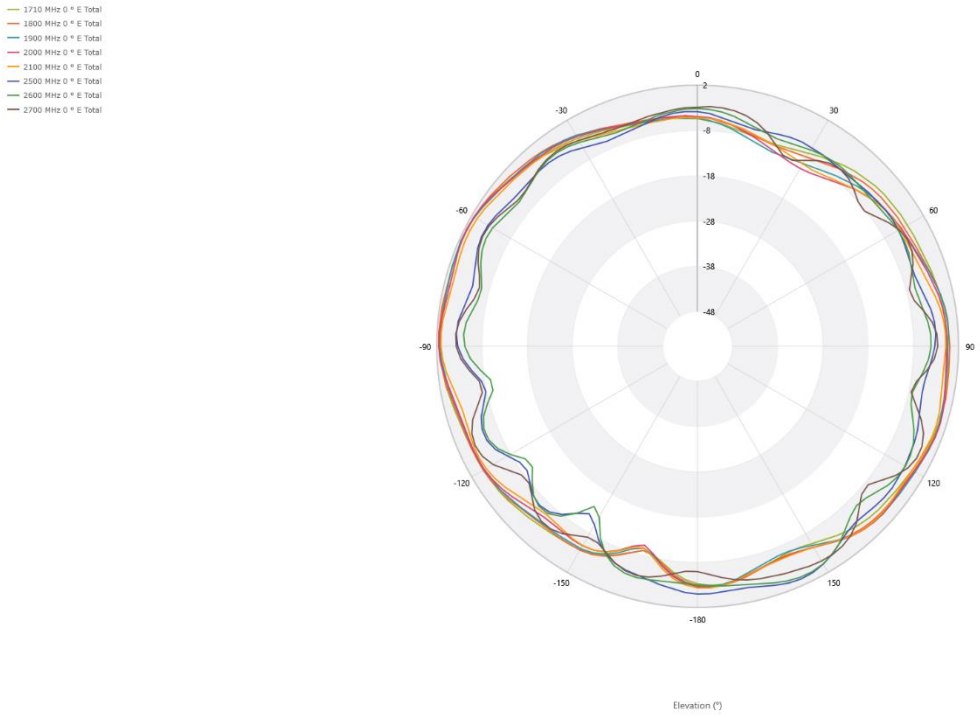
POLAR PATTERNS



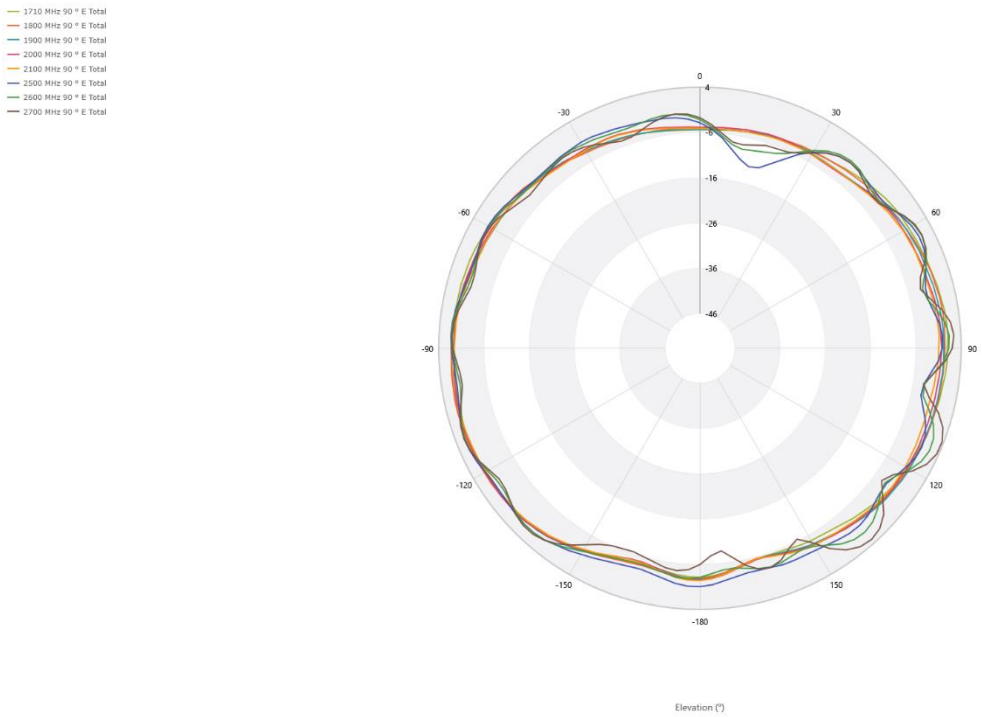
700-960 MHz ELEVATION 0°



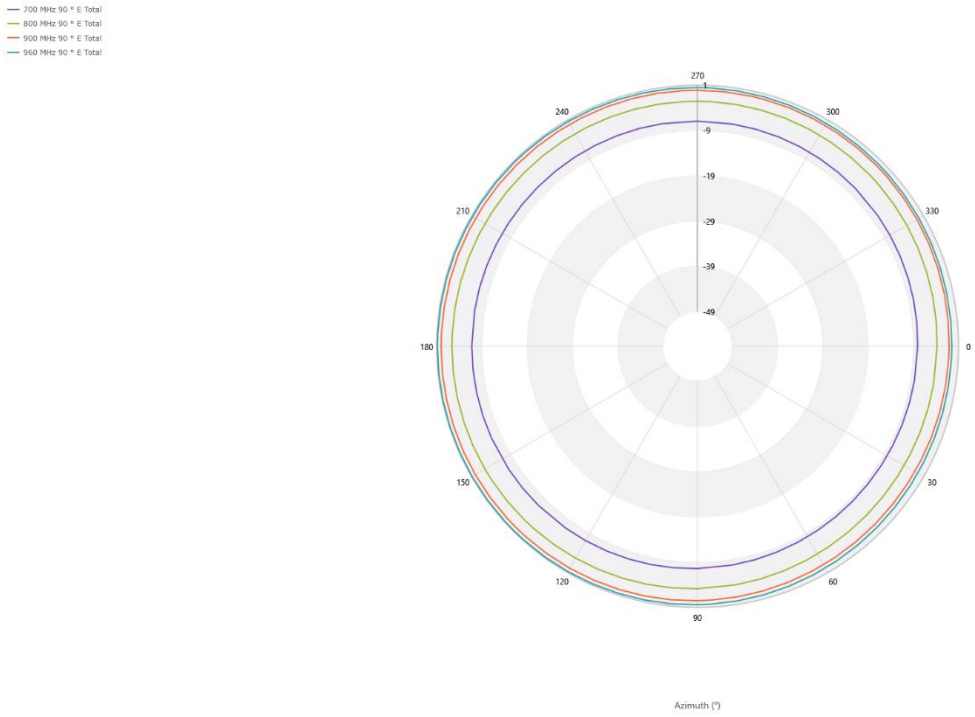
700-960 MHz ELEVATION 90°



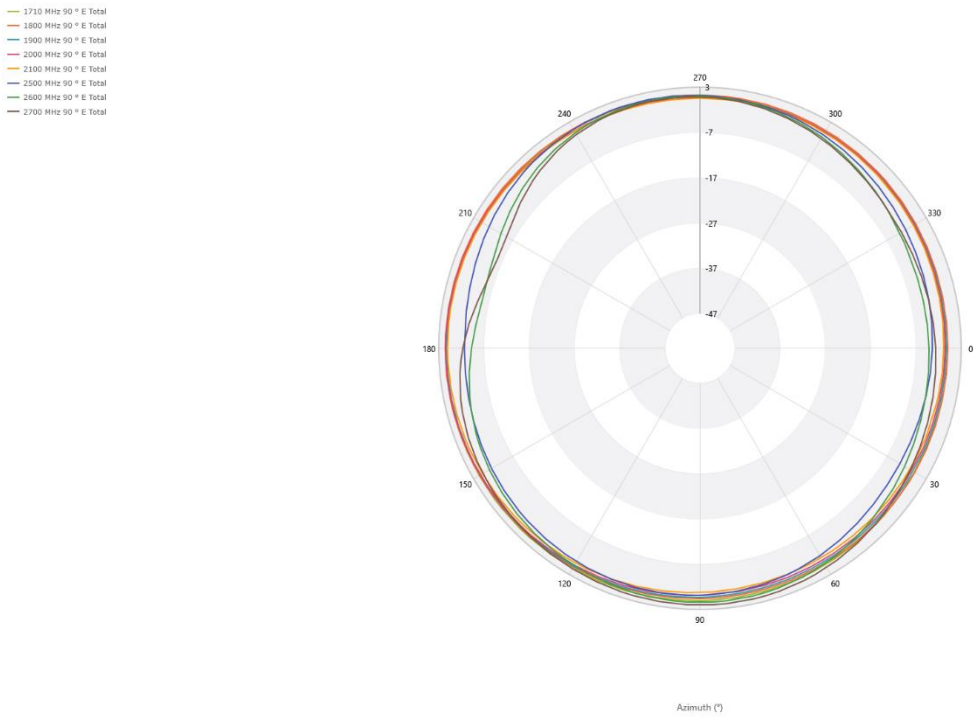
1710-2700 MHz ELEVATION 0°



1710-2700 MHz ELEVATION 90 °



700-960 MHz AZIMUTH 90°



1710-2700 MHz AZIMUTH 90°

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

COAXIAL LINE CHARACTERISTICS

	Dielectric strength (Kv/Minute)	Insulation Resistance (MOhm.km)	Impedance (Ohm)	Capacitance (pF/m)	Speed (%)
Rg178	1.0	>3000	50+/-2	95.8+/-5	0.695

ATTENUATION CONSTANT dB/100m

	1000 MHz	1800 MHz	2400 MHz	5200 MHz	6000 MHz
Rg178	18.0	26.0	29.0	45.0	49.0