



CENTERFED 4G DIPOLE ANTENNA

MAIN FEATURES:

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



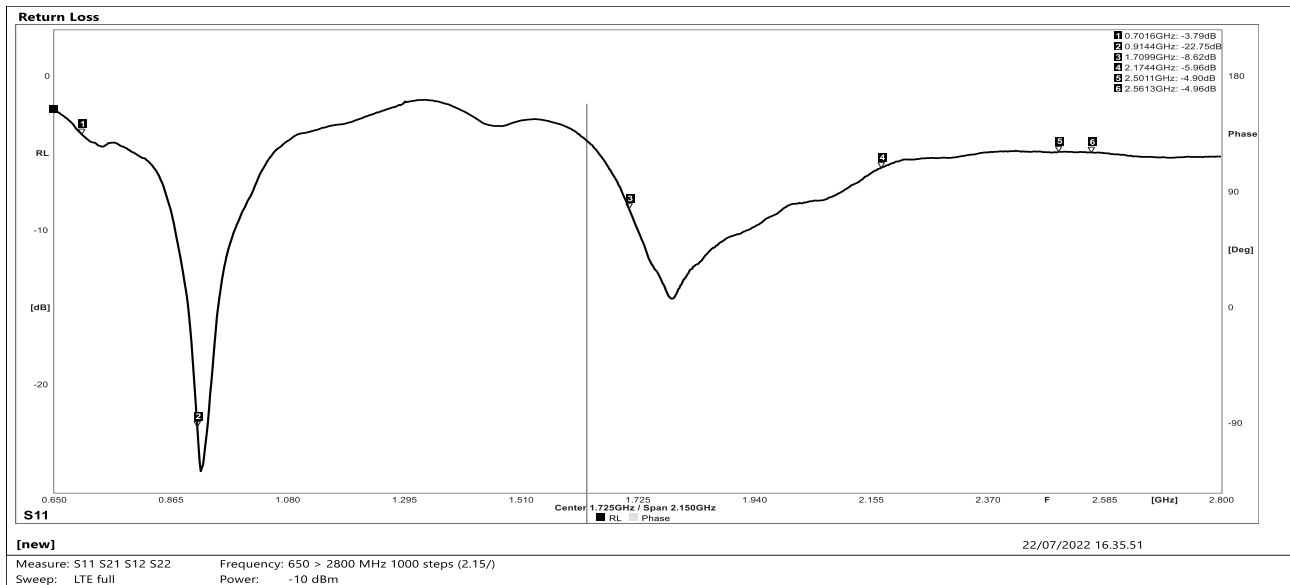
LTE 4G Frequency Bands

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

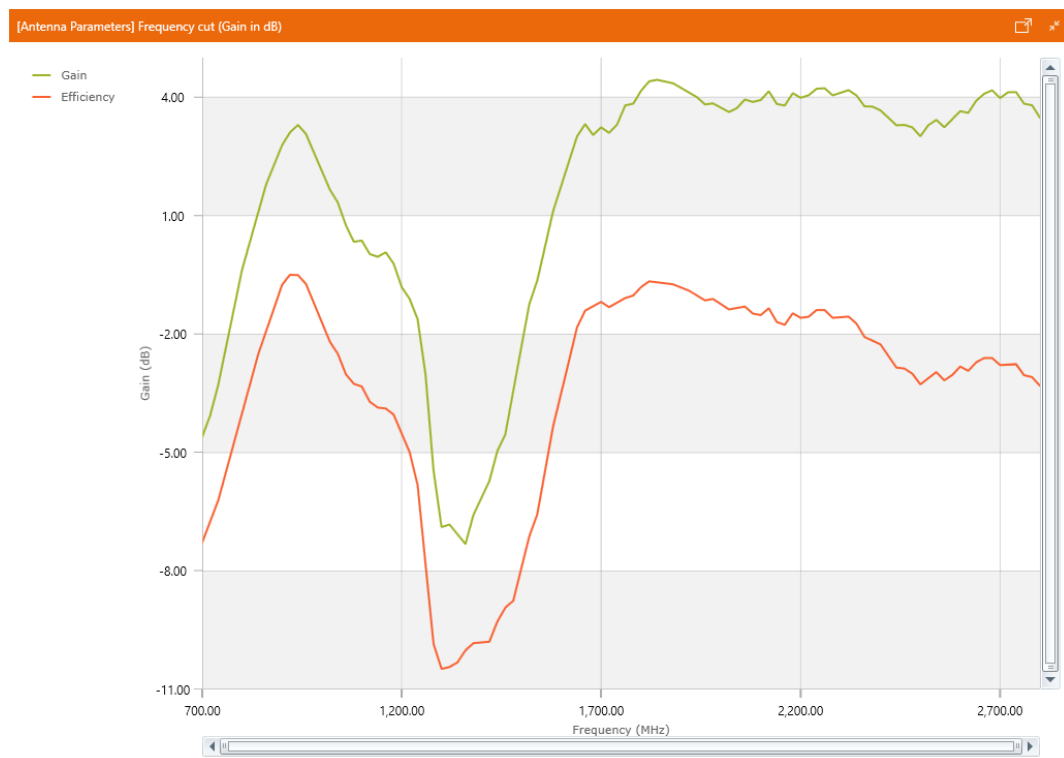
Parameter

Dimension	112x12x1.5 mm
Operating Temperature	-20/70 °C
Cable type	RG174
Cable length	CUSTOM
Connector	CUSTOM
Nominal impedance	50 Ohm

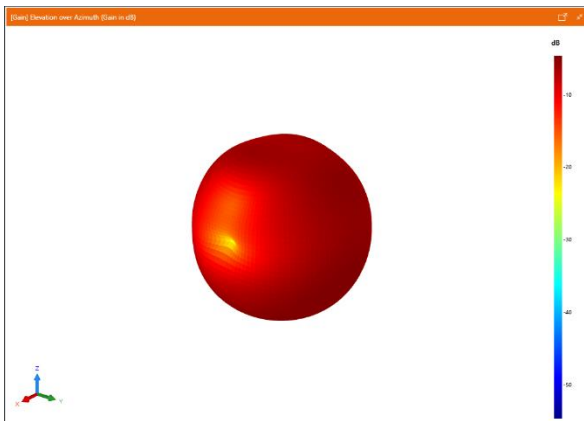
S11 DIAGRAM



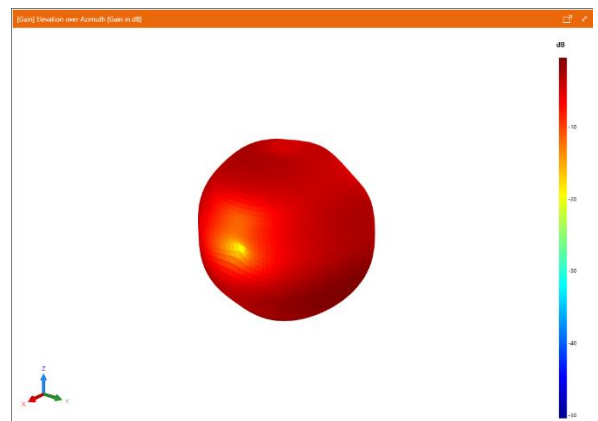
EFFICIENCY AND GAIN DIAGRAM (dB)



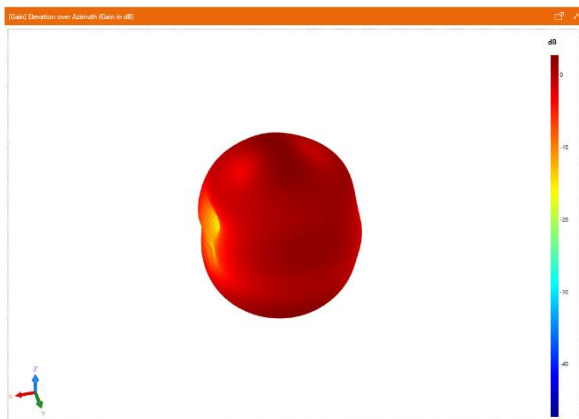
3D PATTERNS



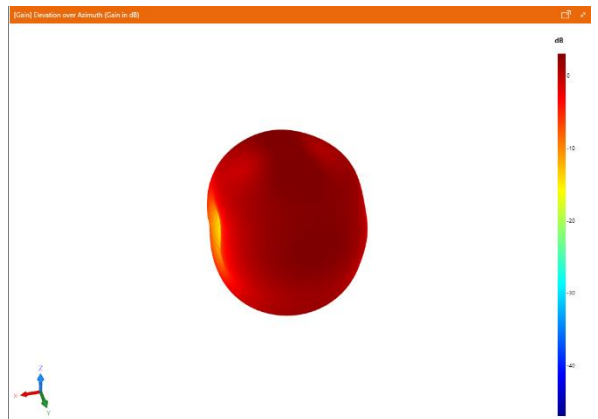
700 MHz



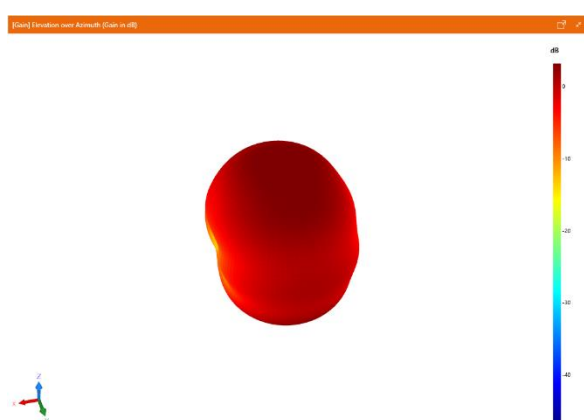
800 MHz



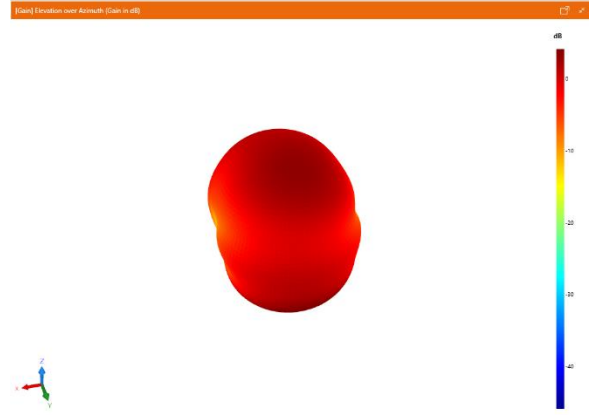
900 MHz



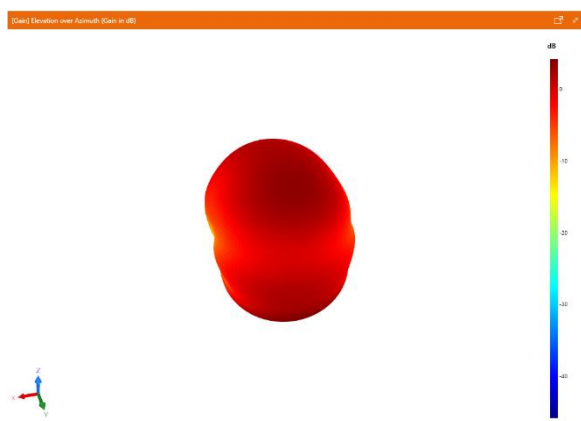
960 MHz



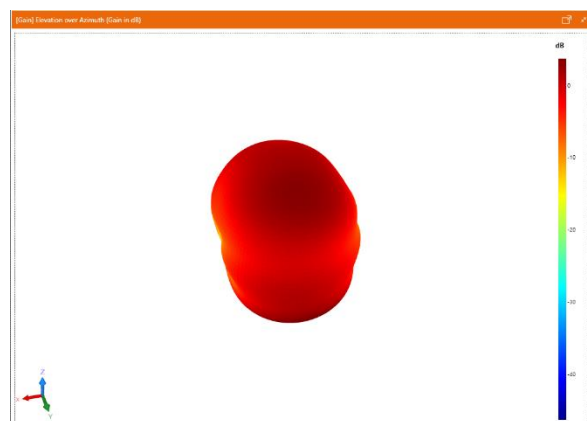
1710 MHz



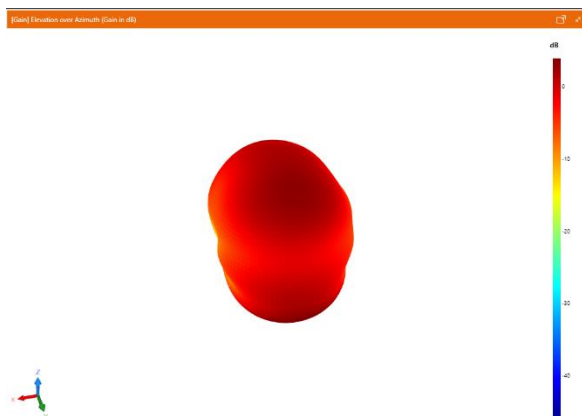
1800 MHz



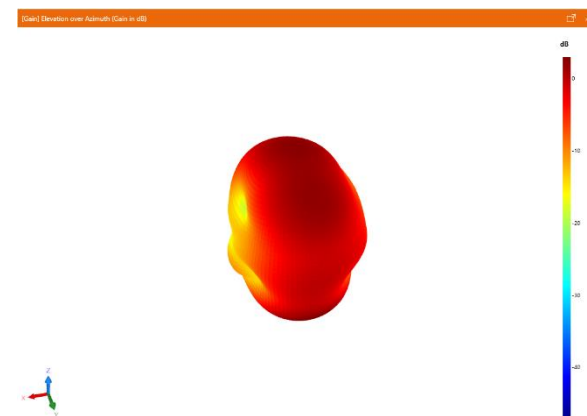
1900 MHz



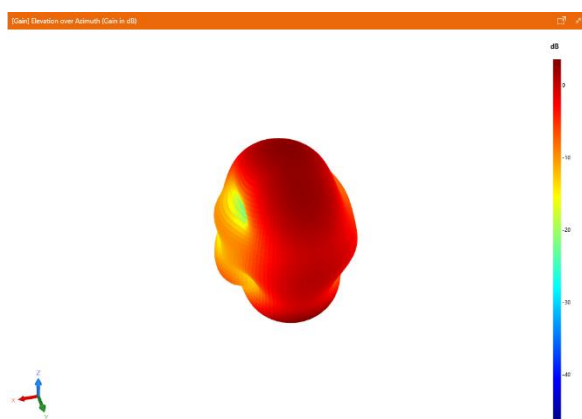
2000 MHz



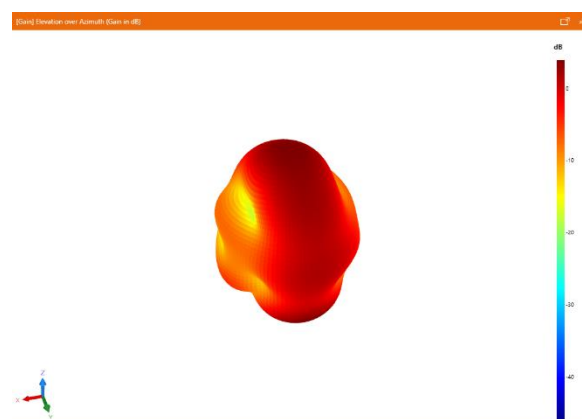
2100 MHz



2500 MHz



2600 MHz



2700 MHz

POLAR PATTERNS



700-960 MHz ELEVATION 0°

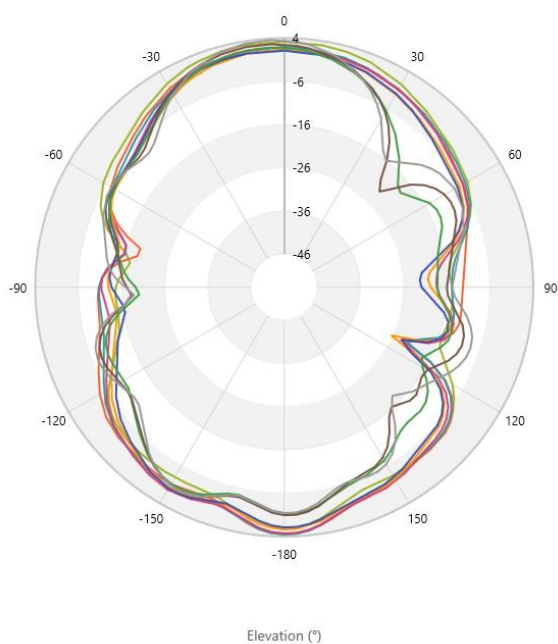


700-960 MHz ELEVATION 90°

[Gain] Elevation cut (Gain in dB)



1700 MHz 0 ° E Total
1800 MHz 0 ° E Total
1900 MHz 0 ° E Total
2000 MHz 0 ° E Total
2100 MHz 0 ° E Total
2200 MHz 0 ° E Total
2500 MHz 0 ° E Total
2600 MHz 0 ° E Total
2700 MHz 0 ° E Total

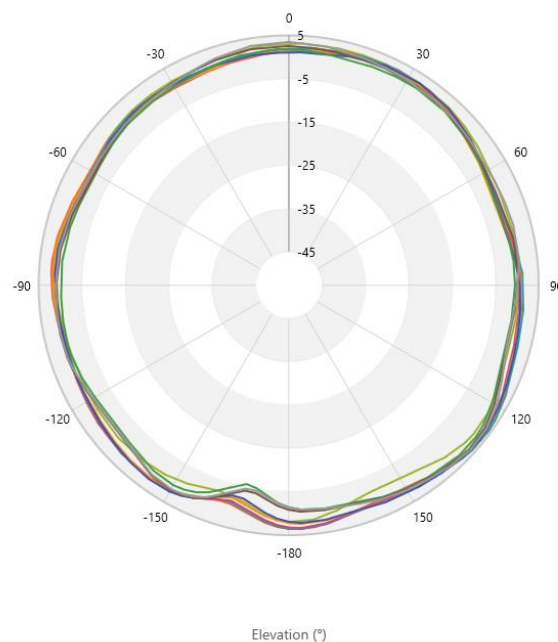


1710-2700 MHz ELEVATION 0°

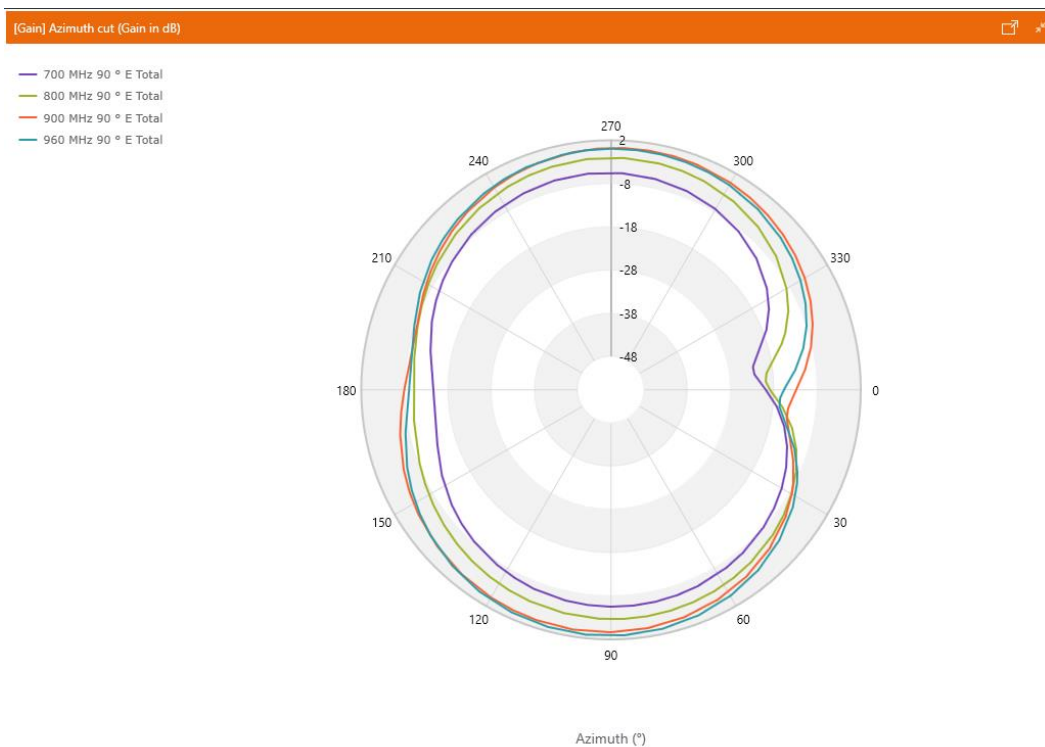
[Gain] Elevation cut (Gain in dB)



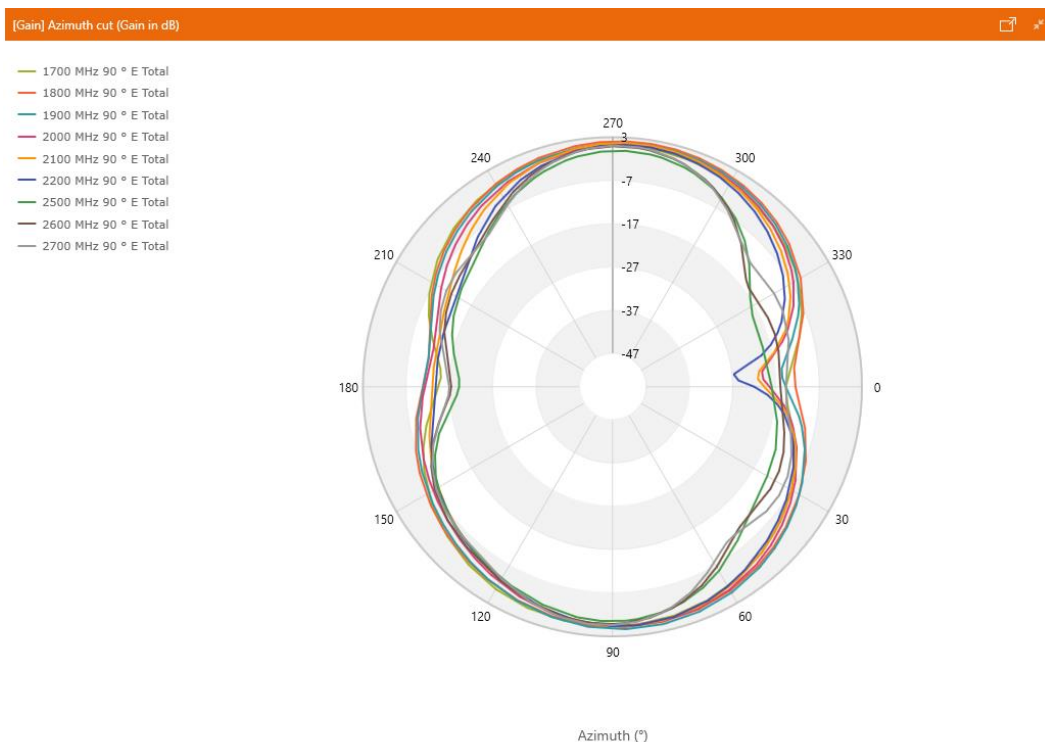
1700 MHz 90 ° E Total
1800 MHz 90 ° E Total
1900 MHz 90 ° E Total
2000 MHz 90 ° E Total
2100 MHz 90 ° E Total
2200 MHz 90 ° E Total
2500 MHz 90 ° E Total
2600 MHz 90 ° E Total
2700 MHz 90 ° E Total



1710-2700 MHz ELEVATION 90 °

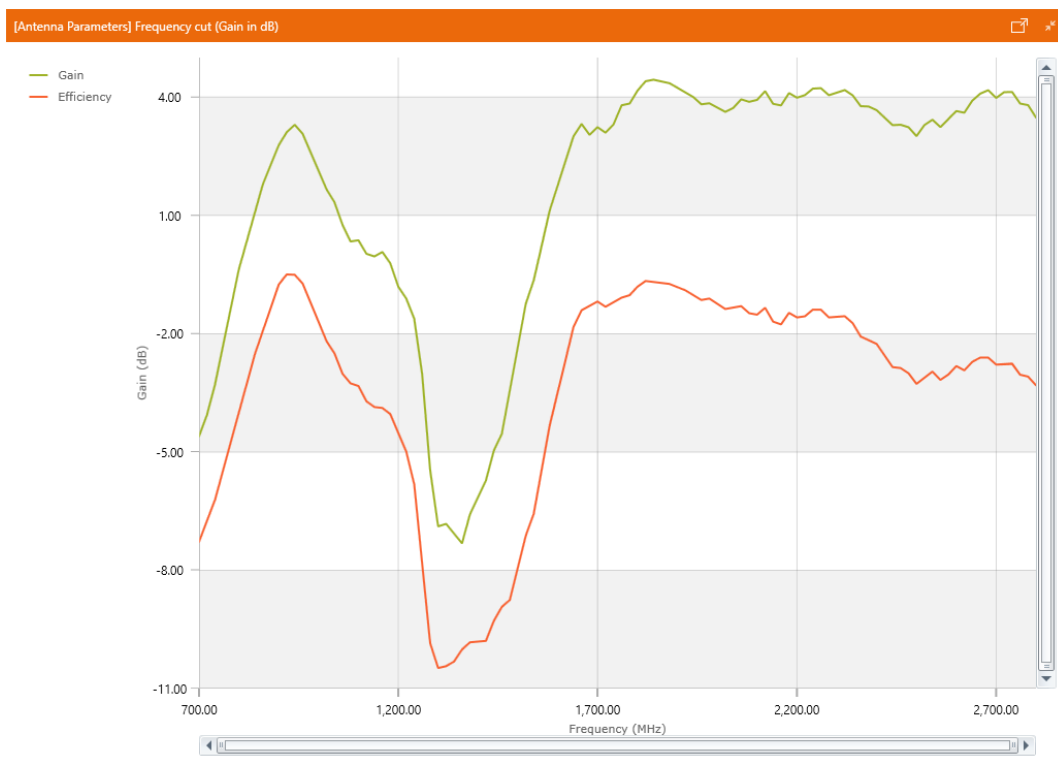


700-960 MHz AZIMUTH 90°



1710-2700 MHz AZIMUTH 90°

EFFICIENCY AND GAIN 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