



5G Wi-Fi DIPOLE ANTENNA

MAIN FEATURES:

- Ultra Wide band
- Bracket mount
- No ground plane required
- RoHS Compliant
- Good Efficiency
- Ip 55
- Outdoor use
- L Bracket provided



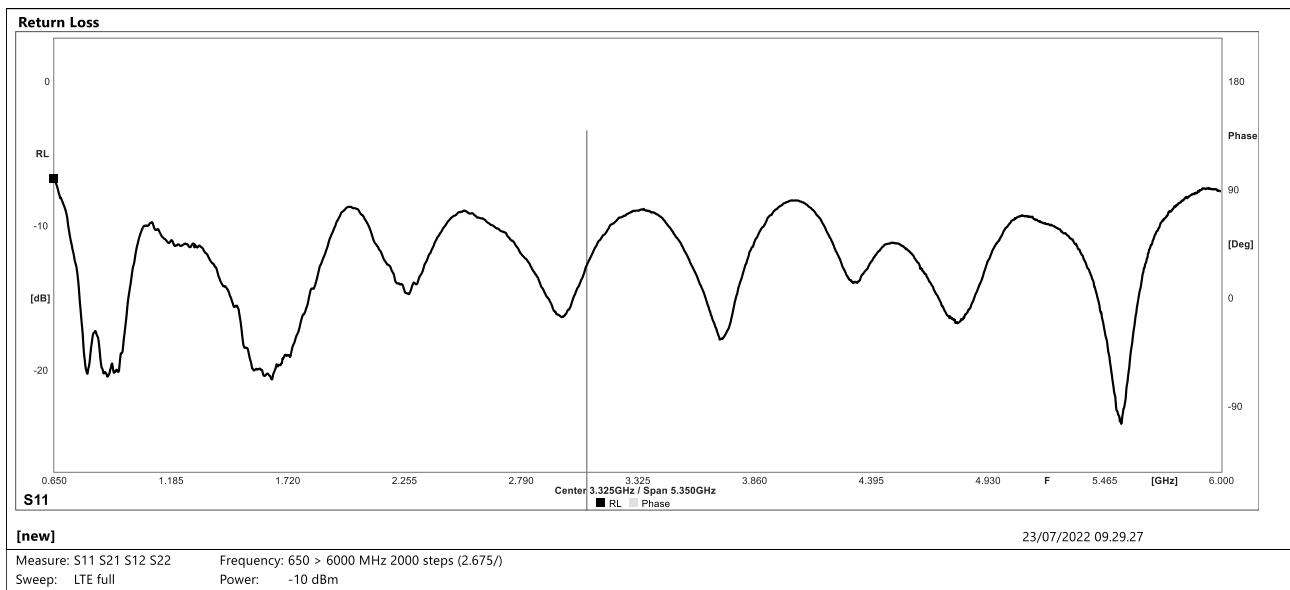
LTE 5G SUB6 Frequency Bands

700-6000 MHz

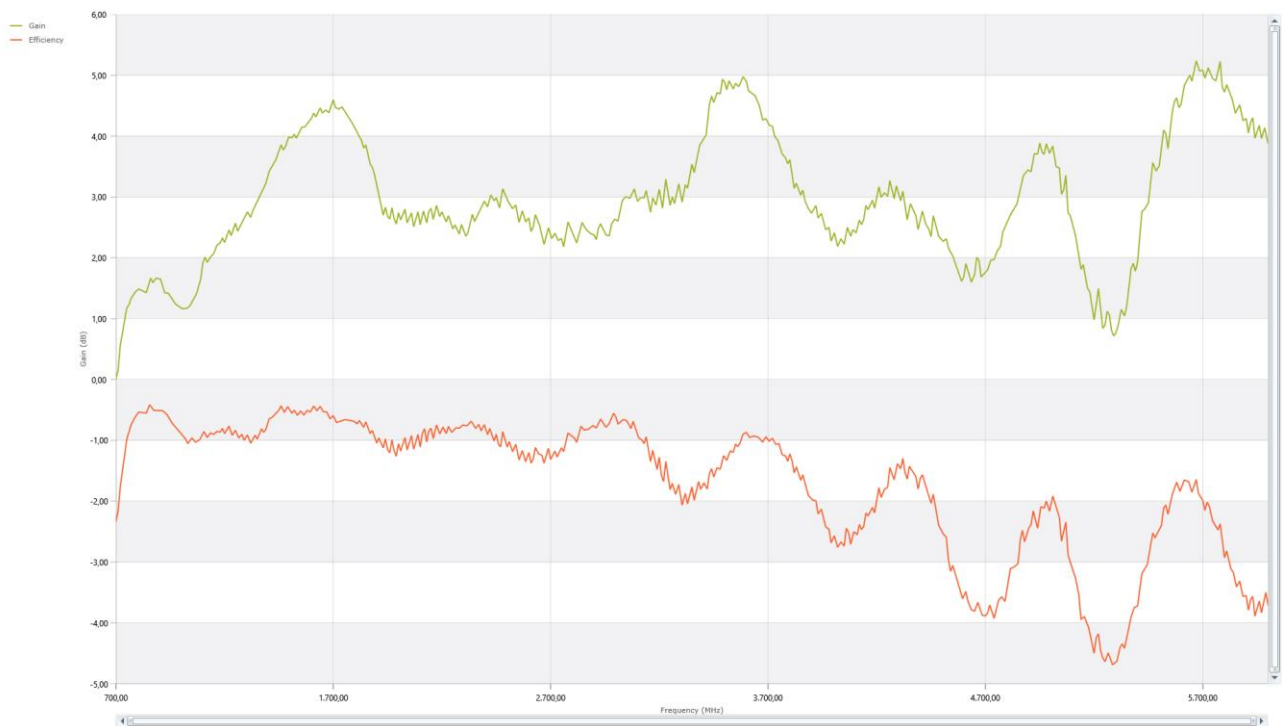
Parameter

Dimension	61x150x20 mm
Operating Temperature	-20/70 °C
Cable type	Rg58 low loss type
Cable length	Custom
Connector	custom
Nominal impedance	50 Ohm

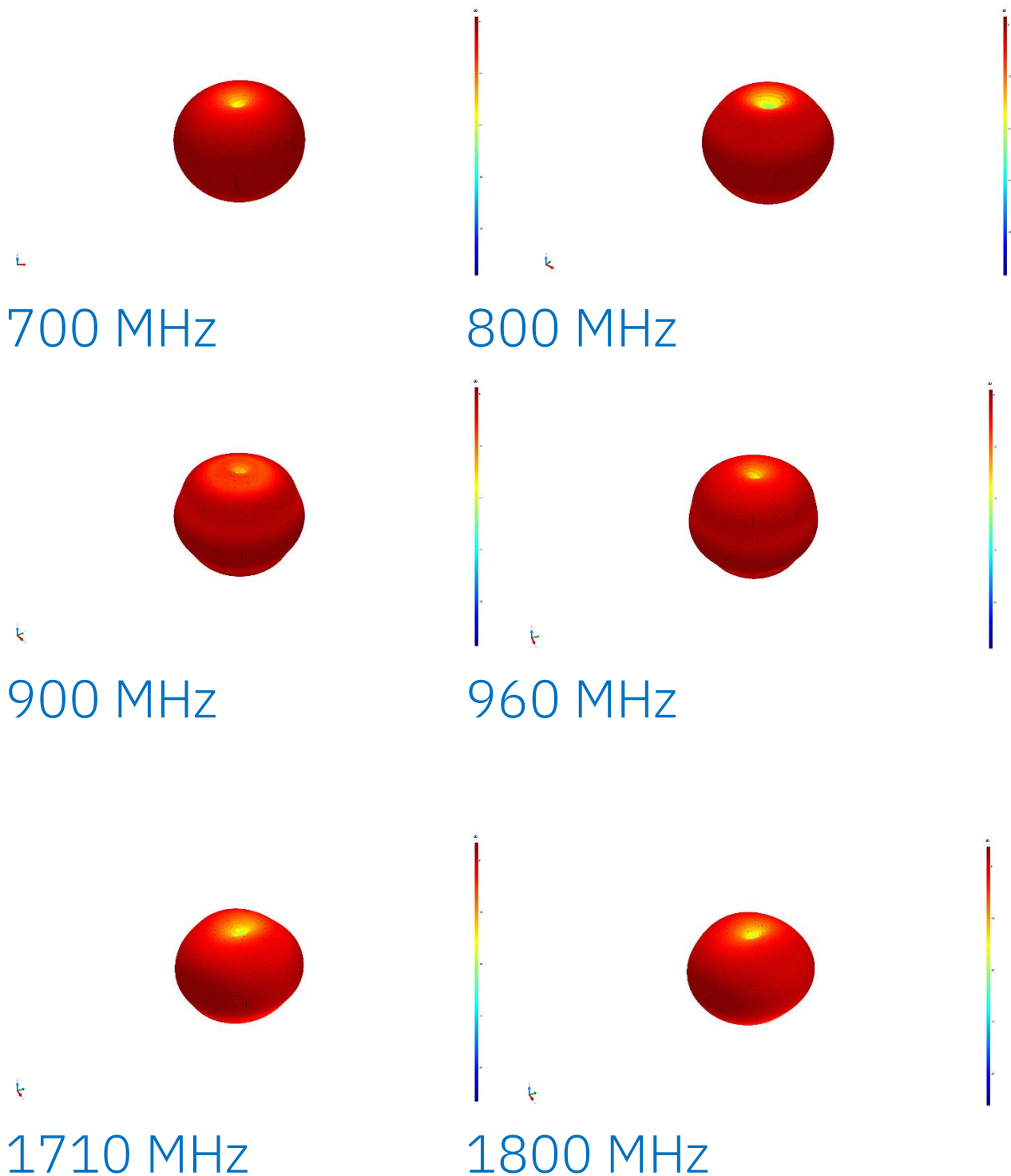
S11 diagram

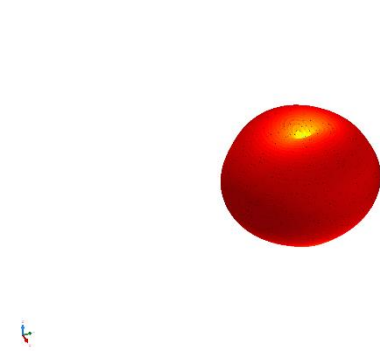


Efficiency diagram

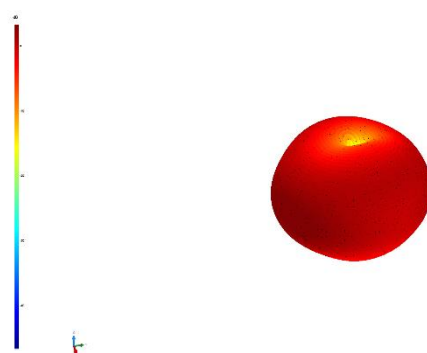


3D PATTERNS (5G BANDS)

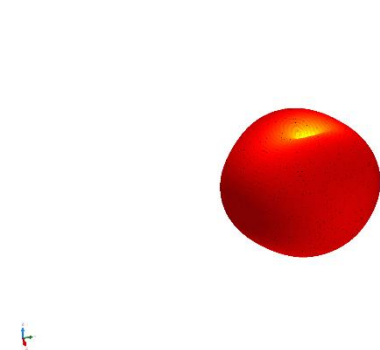




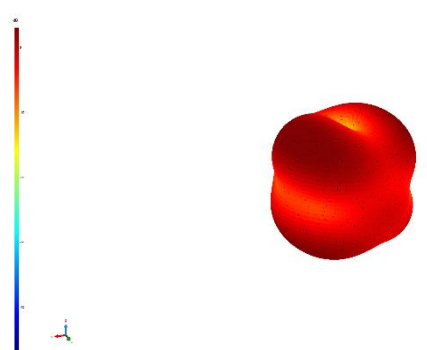
1900 MHz



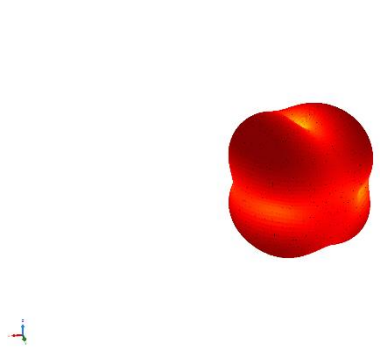
2000 MHz



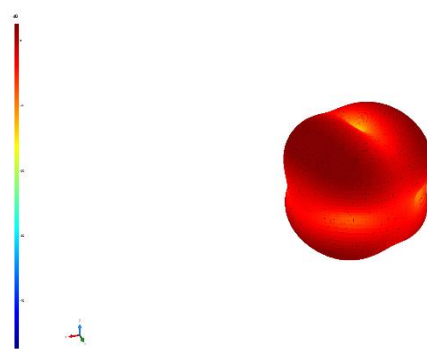
2100 MHz



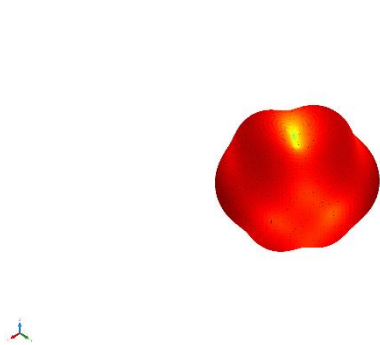
2500 MHz



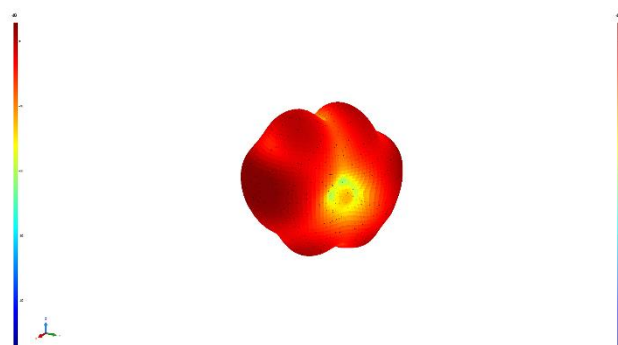
2600 MHz



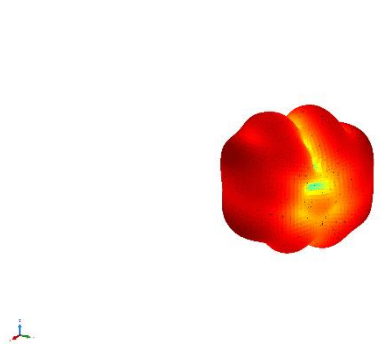
2700 MHz



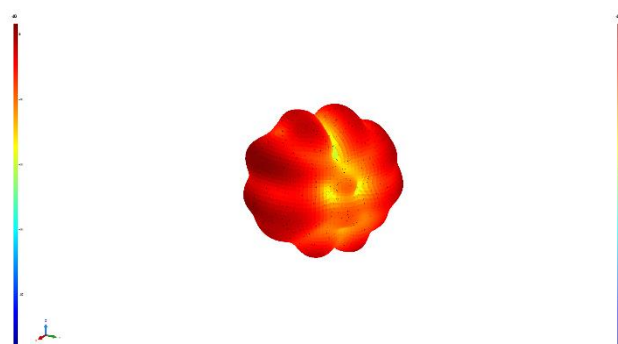
3300 MHz



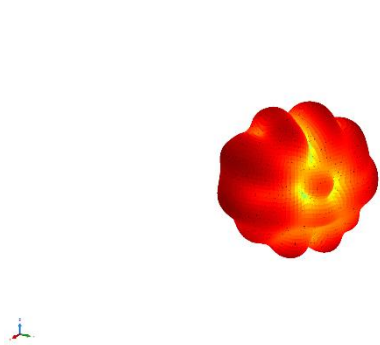
3900 MHz



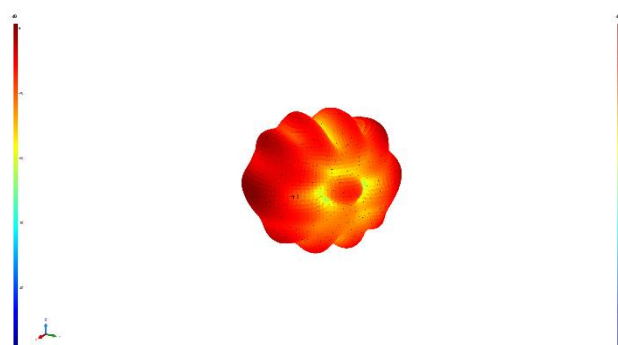
4600 MHz



5100 MHz

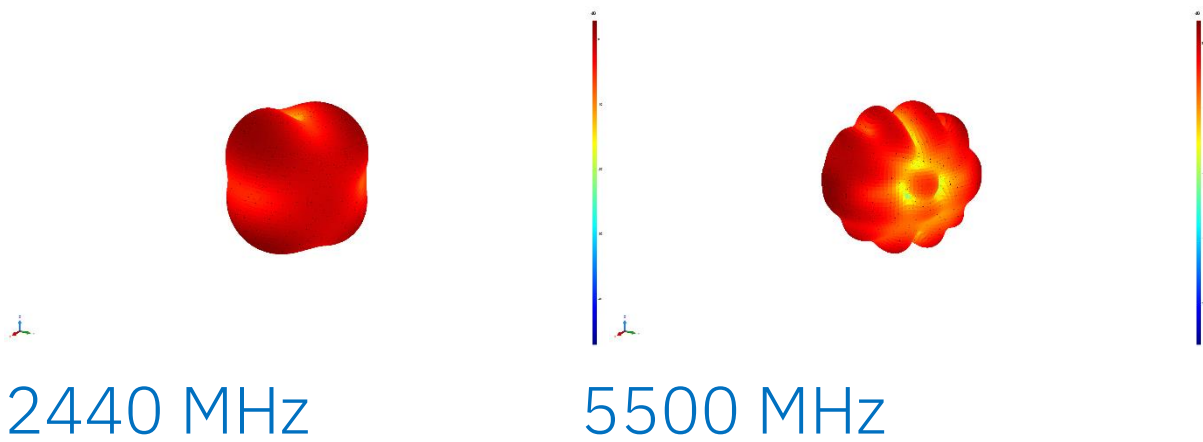


5300 MHz

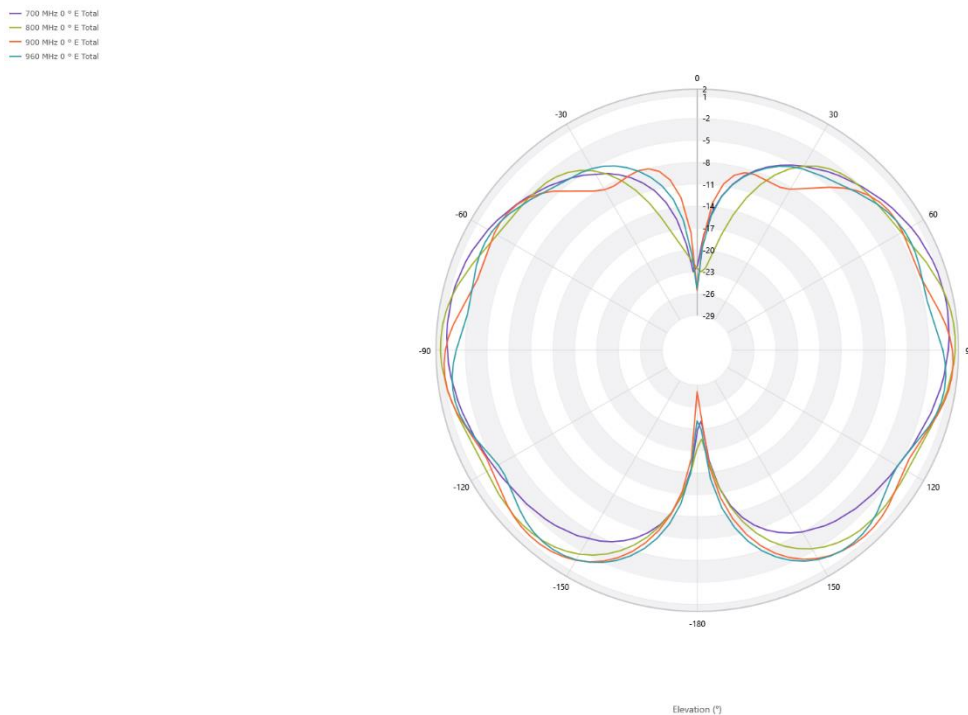


5700 MHz

3D PATTERNS (Wi-Fi BANDS)

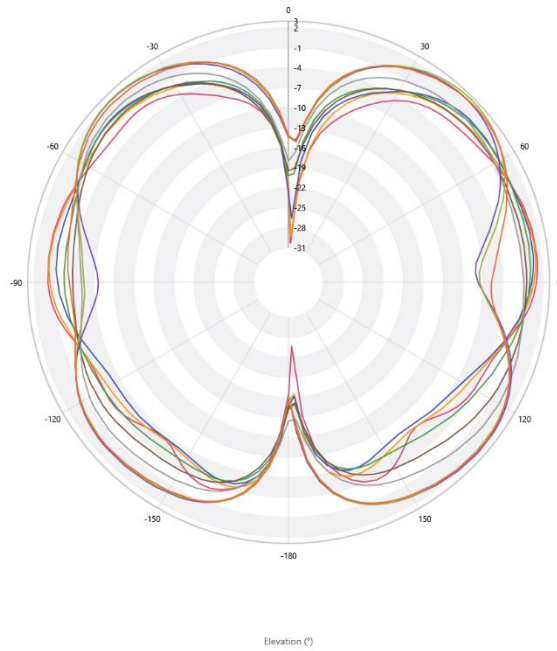


POLAR PATTERNS



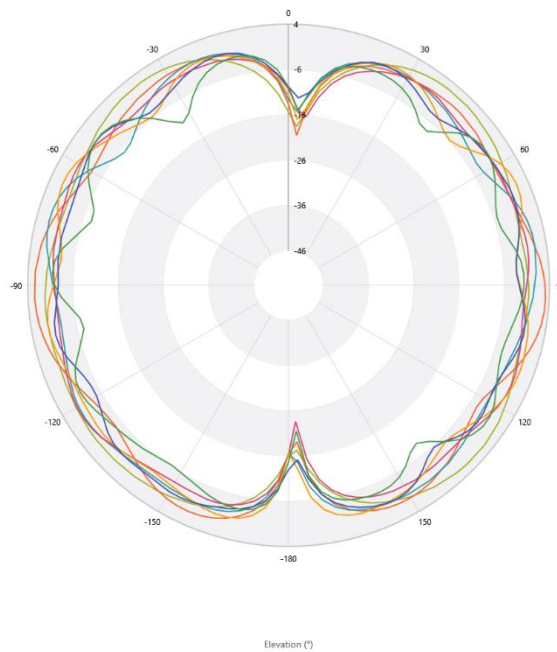
700-960 MHz ELEVATION 0°

1710 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



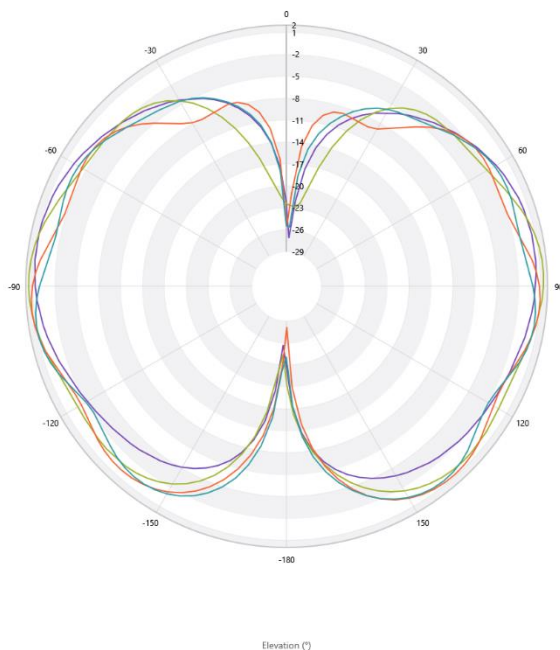
1710-2700 MHz ELEVATION 0°

3000 MHz 0° E Total
 3500 MHz 0° E Total
 4000 MHz 0° E Total
 4500 MHz 0° E Total
 5000 MHz 0° E Total
 5500 MHz 0° E Total
 6000 MHz 0° E Total



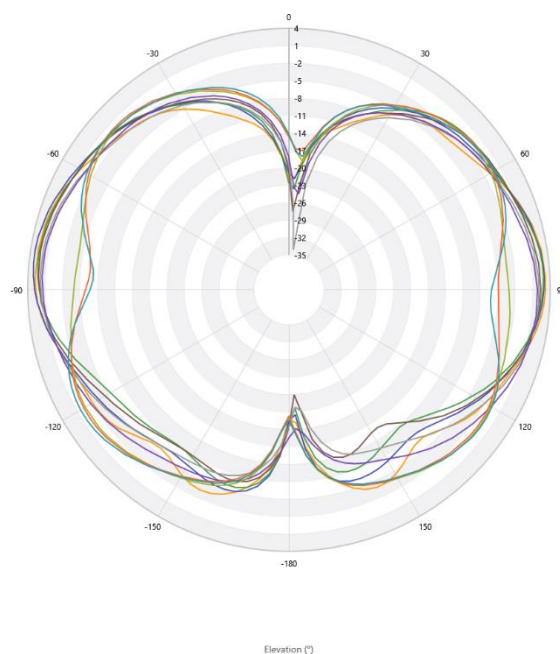
3000-6000 MHz ELEVATION 0°

700 MHz 90 ° E Total
 800 MHz 90 ° E Total
 900 MHz 90 ° E Total
 960 MHz 90 ° E Total



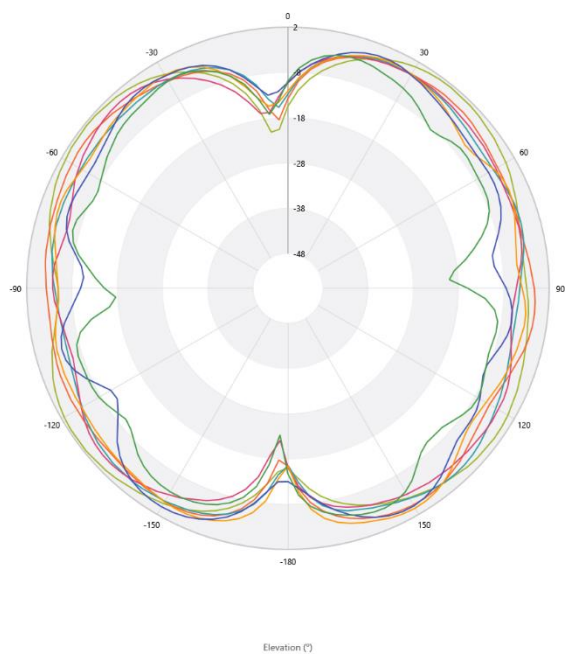
700-960 MHz ELEVATION 90°

1710 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
 2300 MHz 90 ° E Total
 2500 MHz 90 ° E Total
 2700 MHz 90 ° E Total



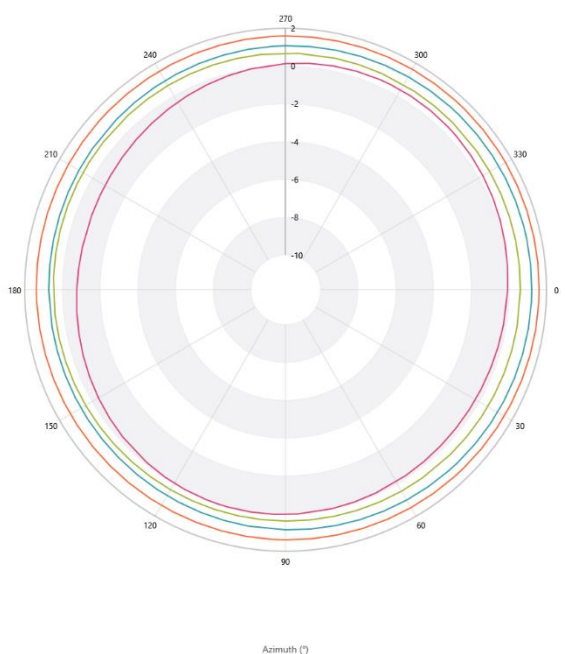
1710-2700 MHz ELEVATION 90 °

3000 MHz 90 ° E Total
 3500 MHz 90 ° E Total
 4000 MHz 90 ° E Total
 4500 MHz 90 ° E Total
 5000 MHz 90 ° E Total
 5500 MHz 90 ° E Total
 6000 MHz 90 ° E Total



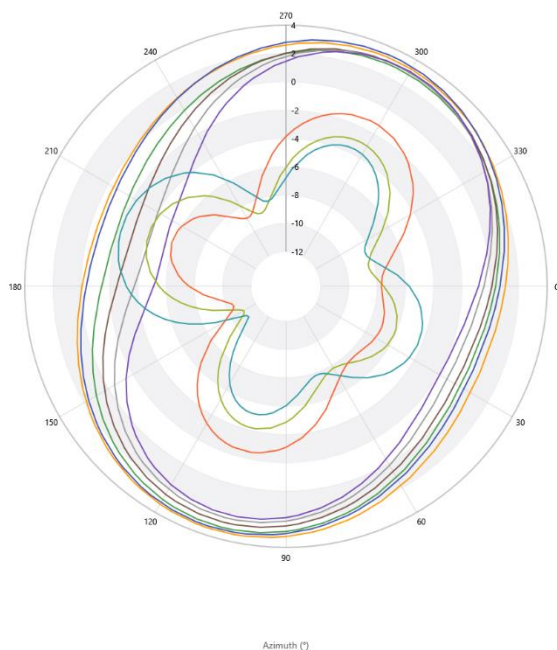
3000-6000 MHz ELEVATION 90°

700 MHz 90 ° E Total
 800 MHz 90 ° E Total
 900 MHz 90 ° E Total
 960 MHz 90 ° E Total



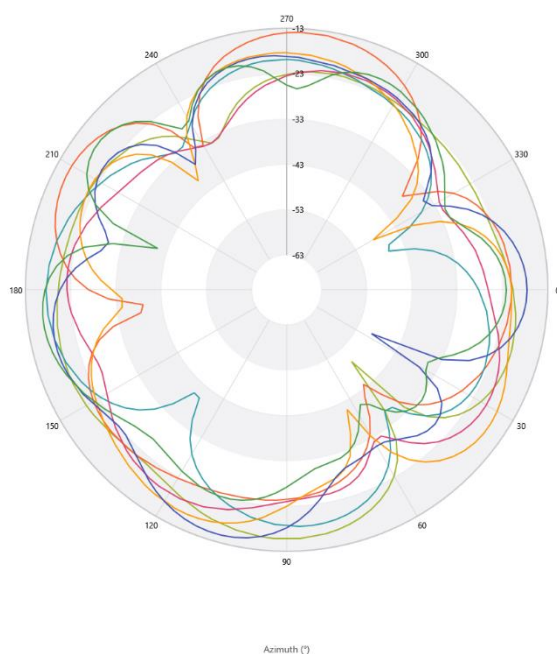
700-960 MHz AZIMUTH 90°

1710 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
 2600 MHz 90 ° E Total
 2500 MHz 90 ° E Total
 2700 MHz 90 ° E Total



1710-2700 MHz AZIMUTH 90°

3000 MHz 90 ° Polar H
 3500 MHz 90 ° Polar H
 4000 MHz 90 ° Polar H
 4500 MHz 90 ° Polar H
 5000 MHz 90 ° Polar H
 5500 MHz 90 ° Polar H
 6000 MHz 90 ° Polar H



3000-6000 MHz AZIMUTH 90°

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

COAXIAL LINE CHARACTERISTICS

Dimensional data				
No.	Item	Structure	Material	Color
1	Inner conductor	1.12 mm	Bare copper	Yellow
2	Insulation	2.95 mm	Foam PE	White
3	Folia	3.10 mm	Aluminum foil	Silver gray
4	Wire braid	96*0.12mm	Tinned copper	Silver gray
5	Jacket	5.00 mm	PVC	Black
6	Marking	LMH200		
Electrical and physical and properties of product				
Electric units		Unit	Value	
Capacitance		pF/m	81±5	
Impedance		Ω	50±2	
Velocity ratio		%	81	
Bent radius		mm	50	
Max voltage		VMS	1500	
Max Frequency		MHz	3000	
Temperature range		℃	-20 ~ +80	
Attenuation constant at 20℃（Max.）	100MHz	dB/100m	10.8	
	400MHz	dB/100m	21.9	
	900MHz	dB/100m	32.6	
	1800MHz	dB/100m	46.5	
	2000MHz	dB/100m	49.3	
	2400MHz	dB/100m	54.5	
	3000MHz	dB/100m	61.2	