Sub 6GHz 5GNR Bands Antenna

ANT-859-01

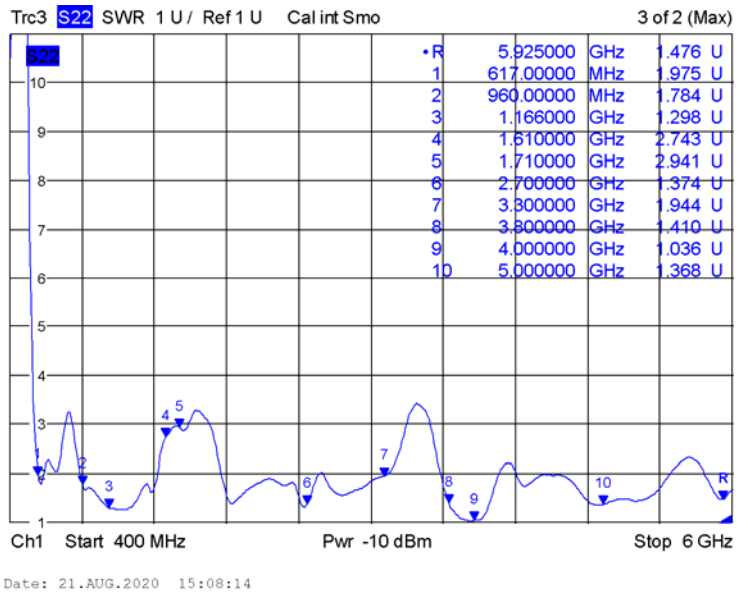
Specifications

Frequency (MHz)	617-798	803-960	1166-1610	1710-2200	2300-2690	3300-3800	4200-5000	5150-5925
Peak gain	1.04 dBi	0.74 dBi	2.31 dBi	3.58 dBi	3.88 dBi	2.26 dBi	4.5 dBi	4.31 dBi
Average gain	-1.96 dBi	-2.54 dBi	-0.82 dBi	-2.05 dBi	-1.41 dBi	-2.23 dBi	-2.51 dBi	-3.03 dBi
Efficiency	46 %	41 %	69 %	65 %	74 %	54 %	60 %	60 %
VSWR	4.0：1 Max	4.0：1 Max	4.0：1 Max	4.0：1 Max	4.0：1 Max	4.0：1 Max	3.0：1 Max	3.0：1 Max
Polarization	Linear, vertical							
Impedance	50 Ω							
Connector	SMA PLUG							

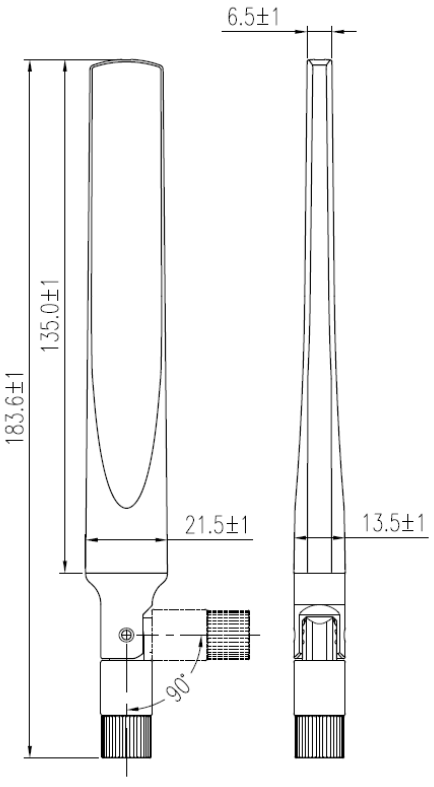
Environment & Mechanical Characteristics

Temperature	- 40℃ to +85℃
Humidity	95% @ 25℃

VSWR



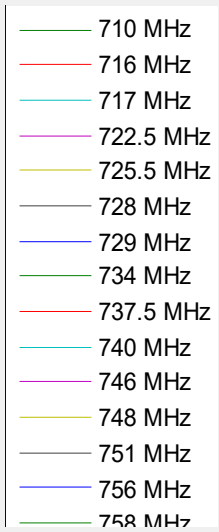




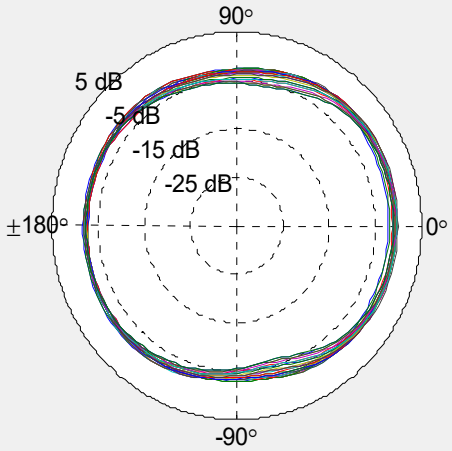
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Radiation Pattern

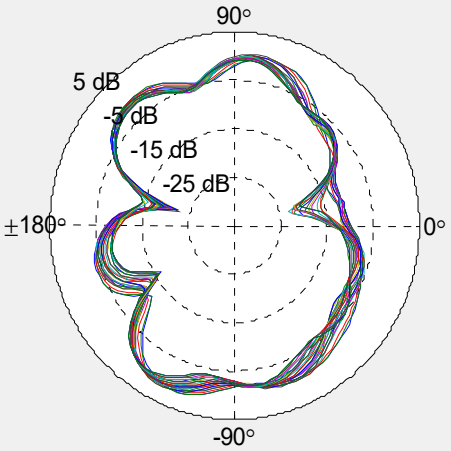
L1 Band = 650 - 790 MHz % LTE-L Band



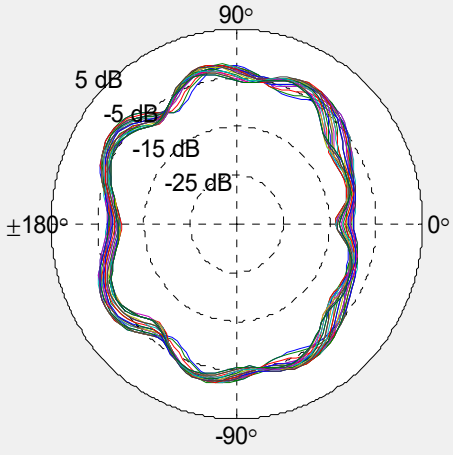
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0 °

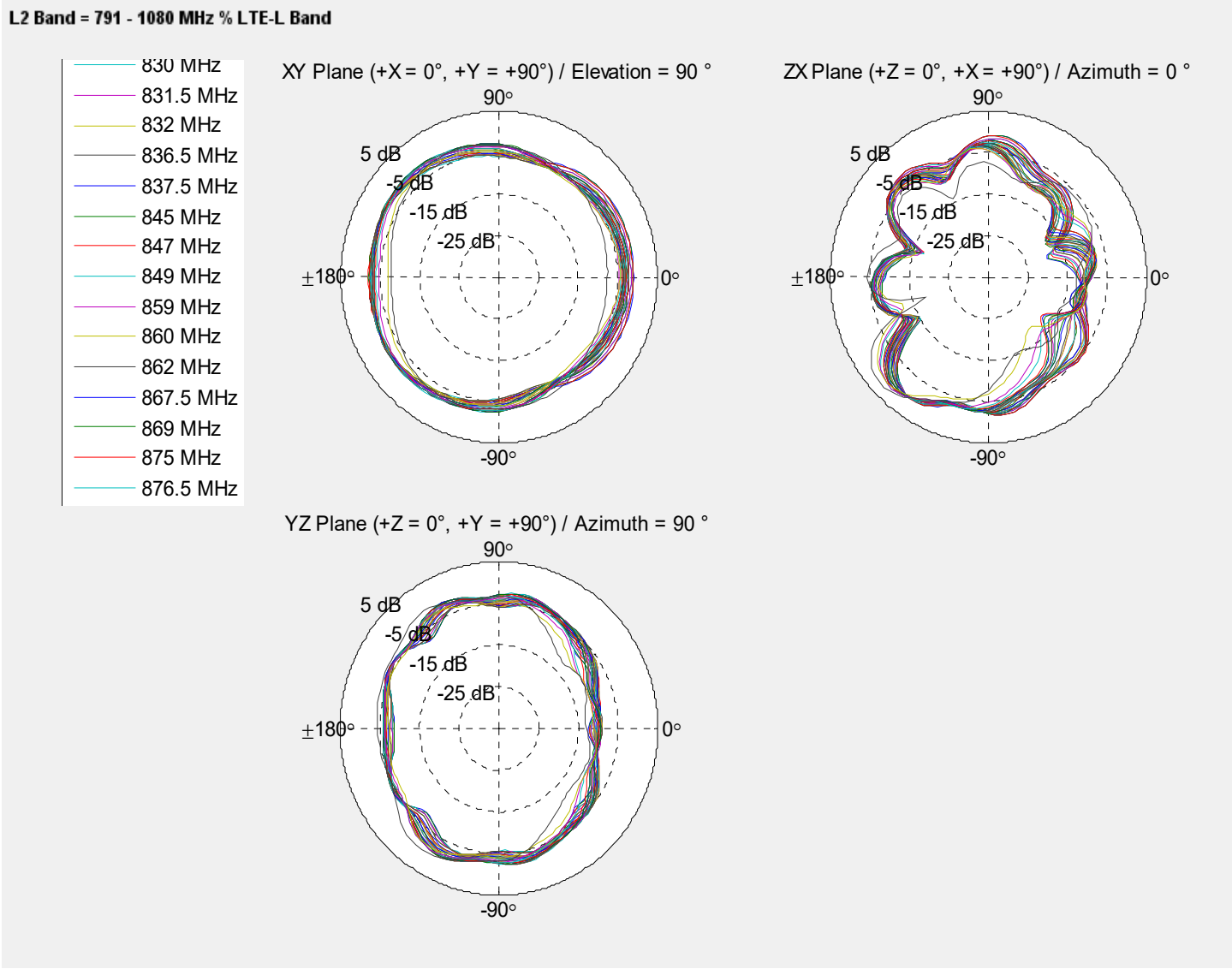


YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



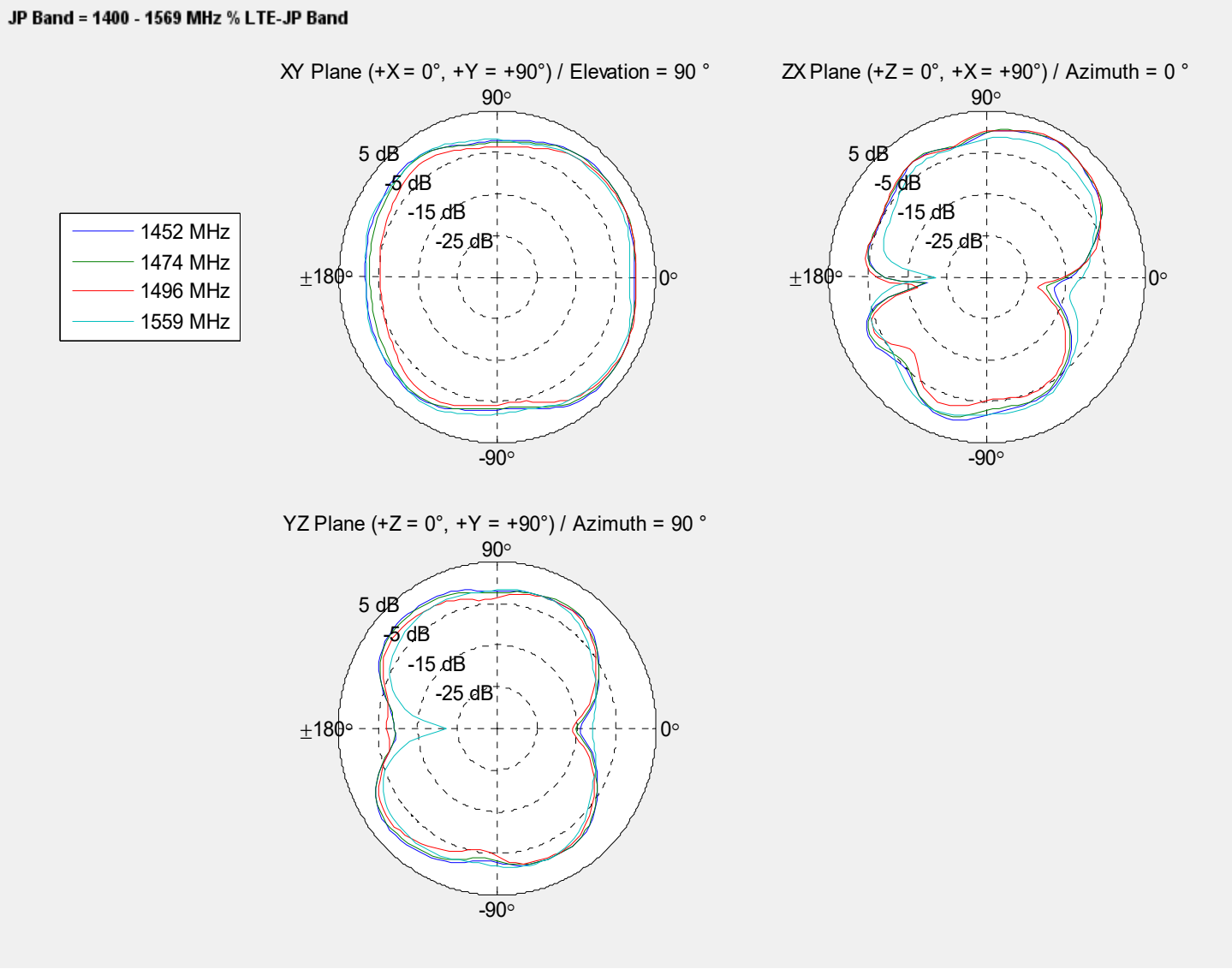
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Radiation Pattern



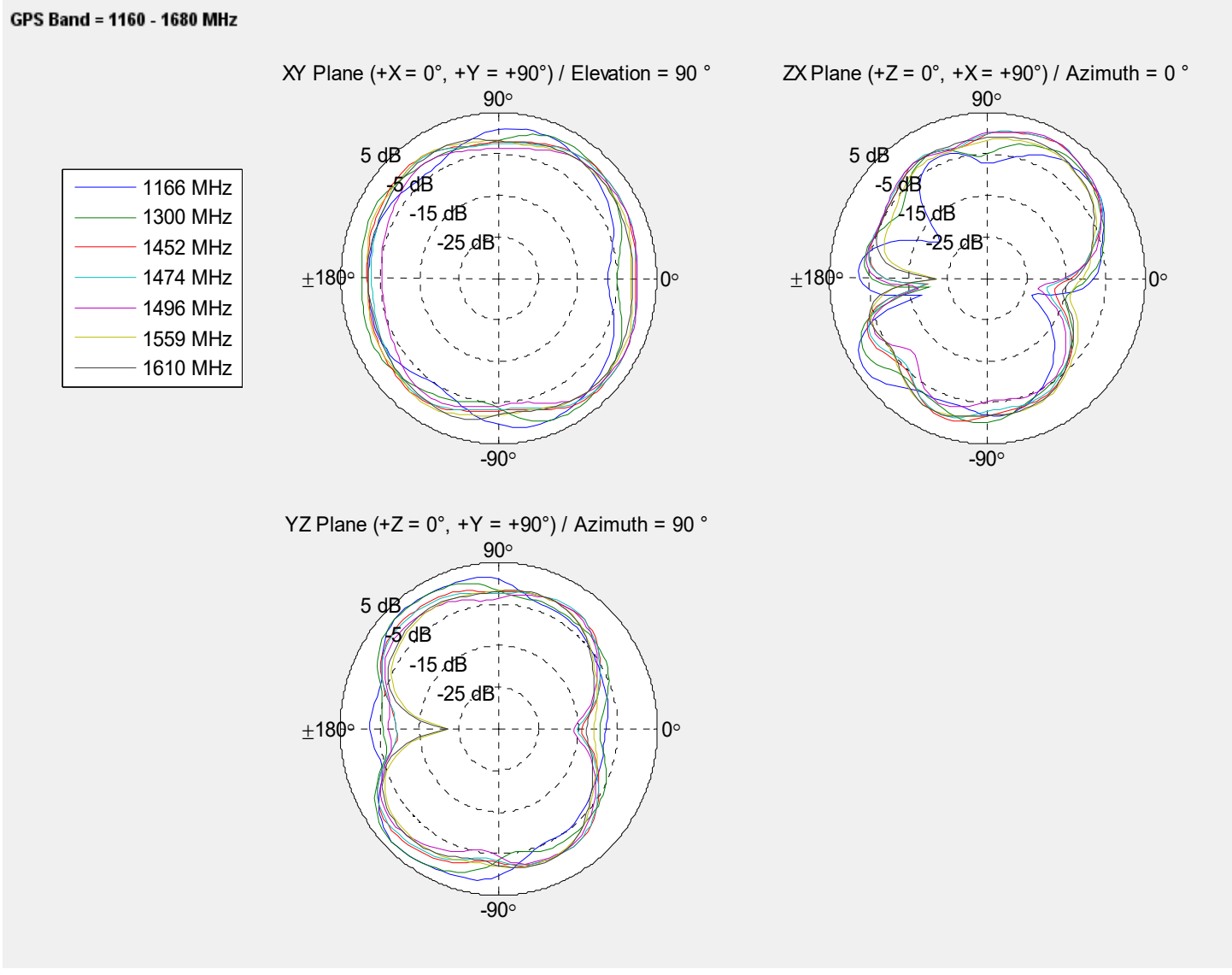
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Radiation Pattern



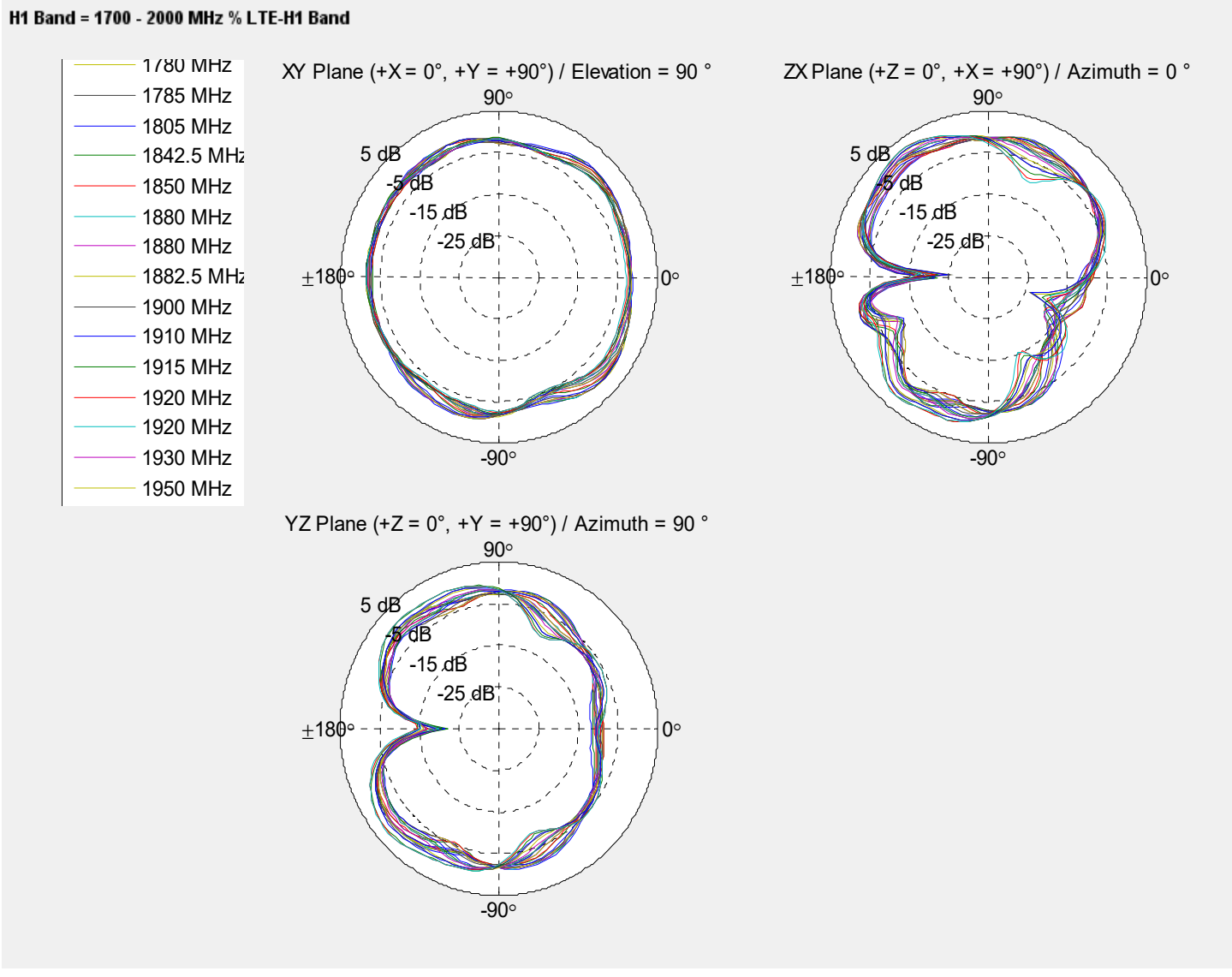
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Radiation Pattern



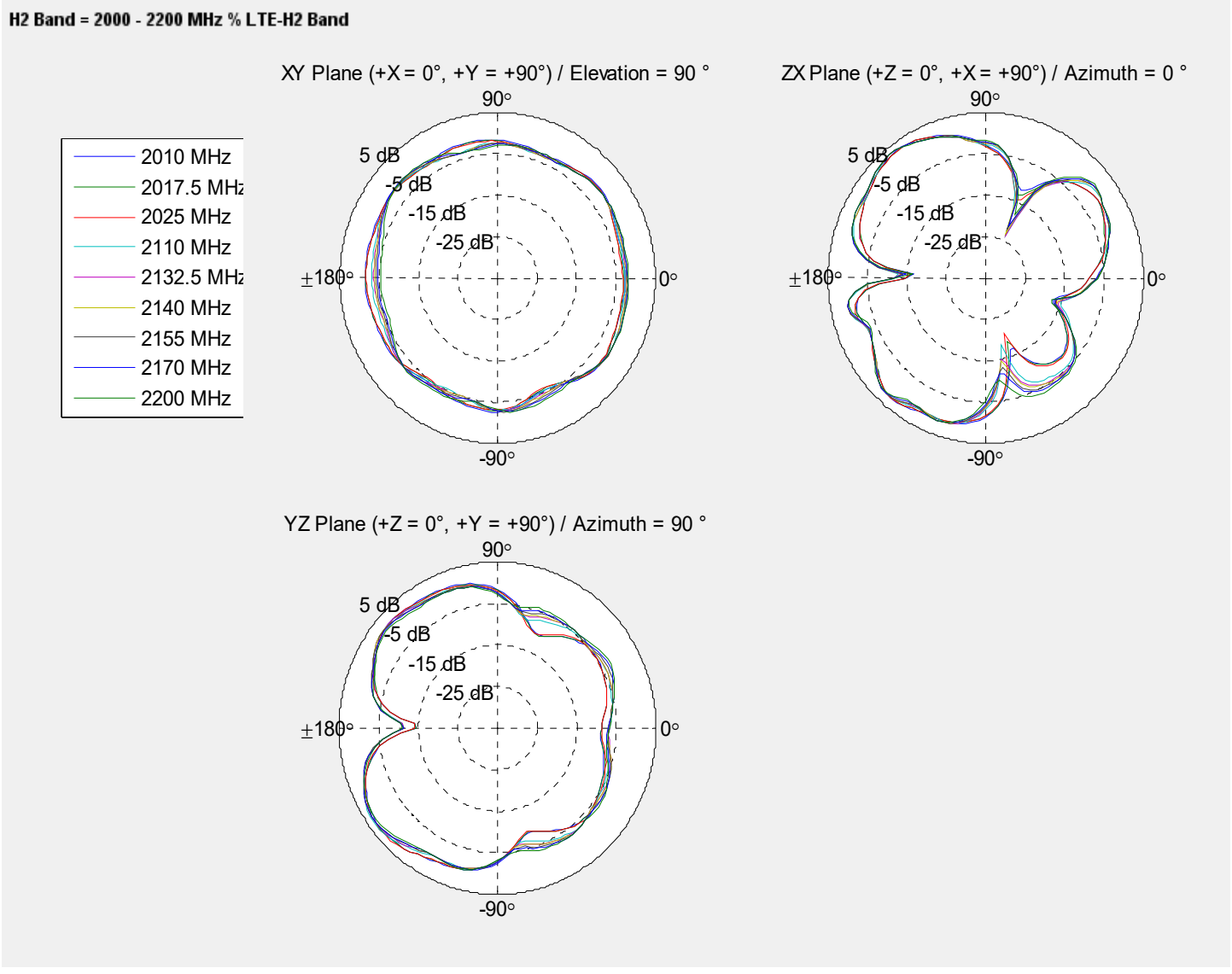
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Radiation Pattern

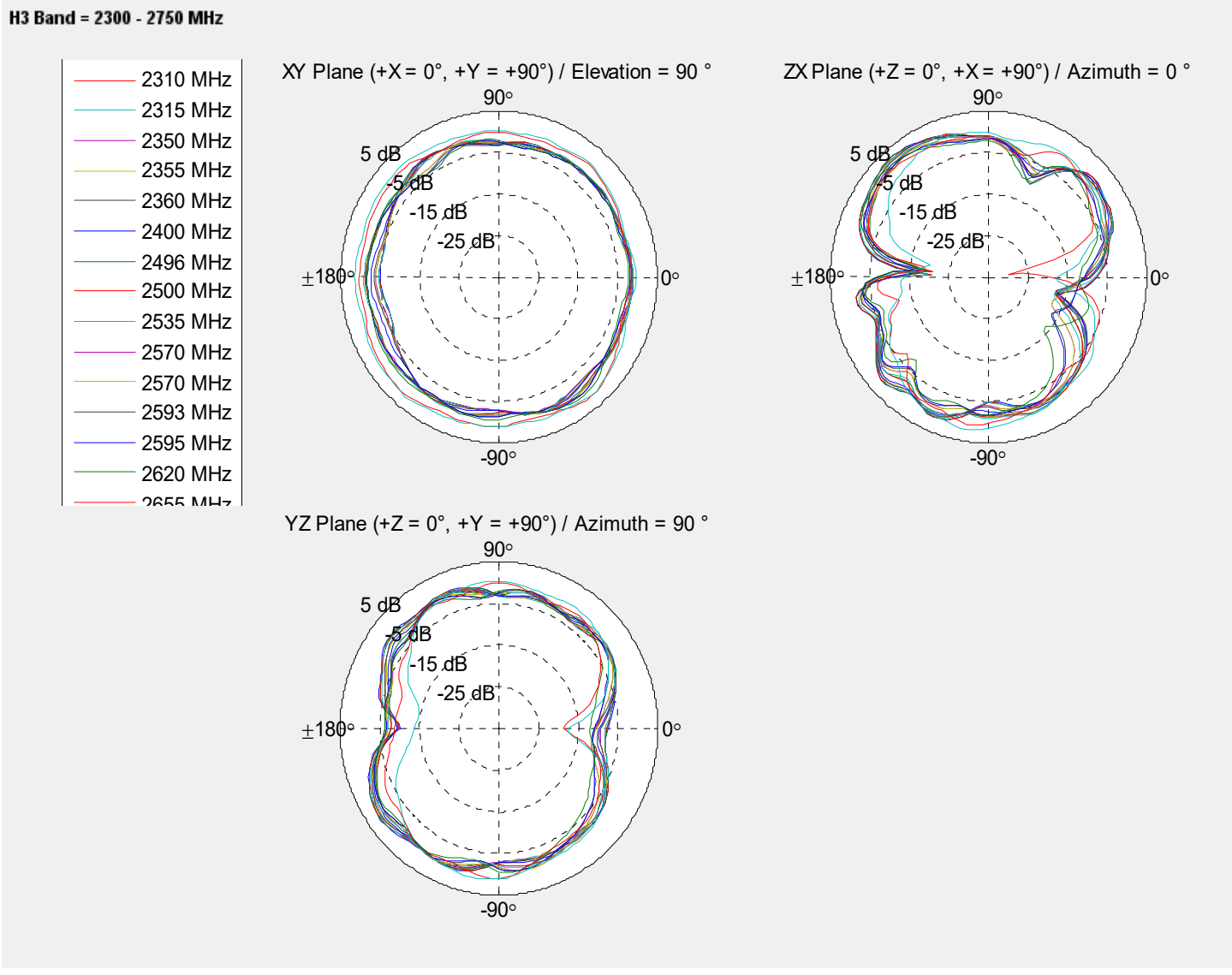


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Radiation Pattern

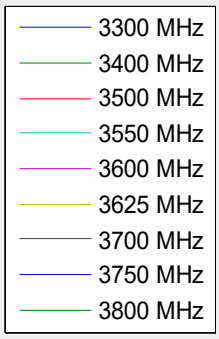


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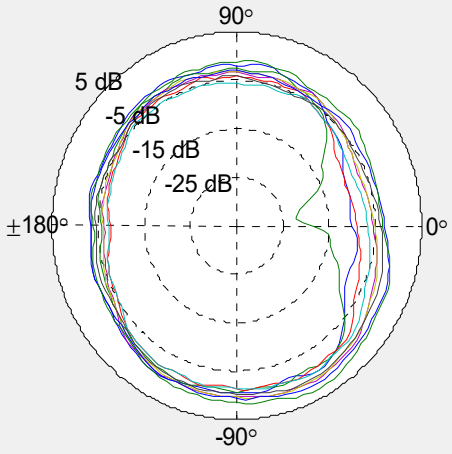


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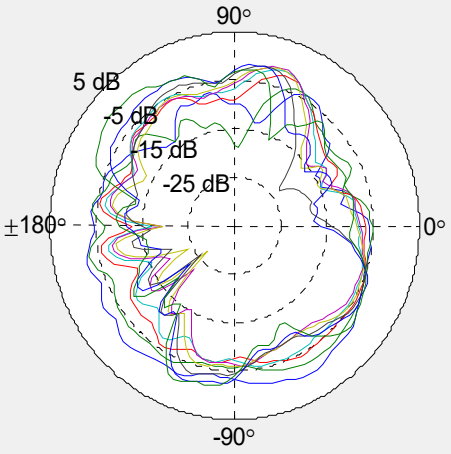
3G Band = 3000 - 3800 MHz % 3G Band



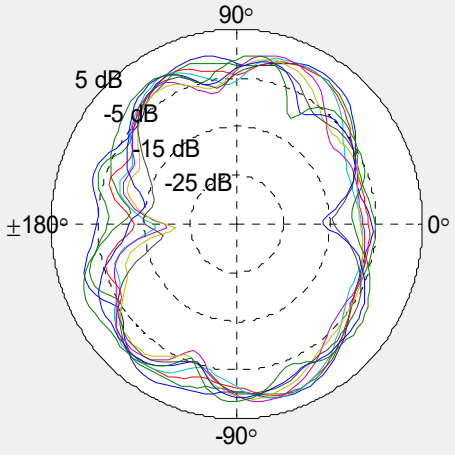
XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0 °

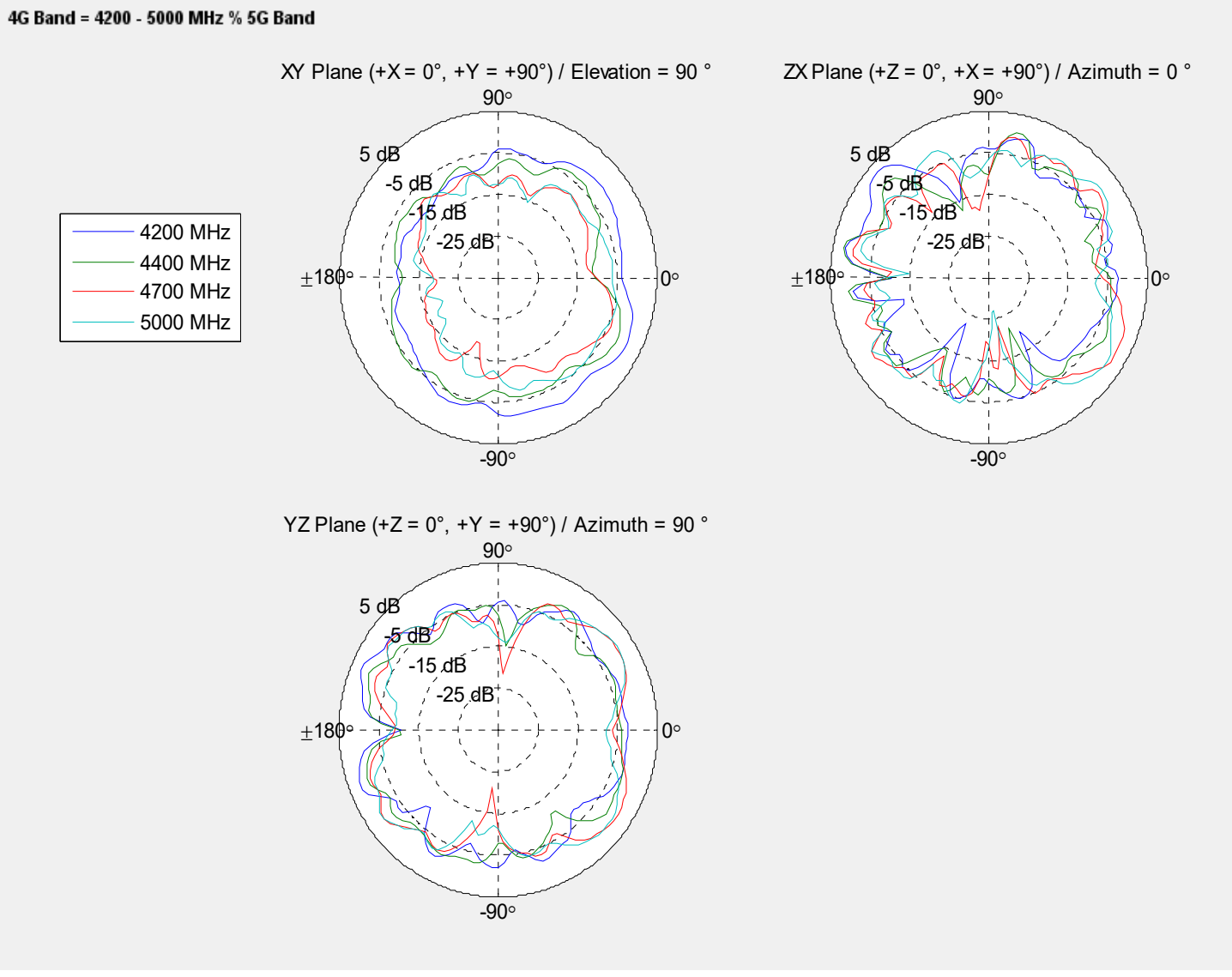


YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °



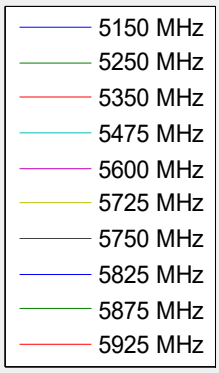
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Radiation Pattern

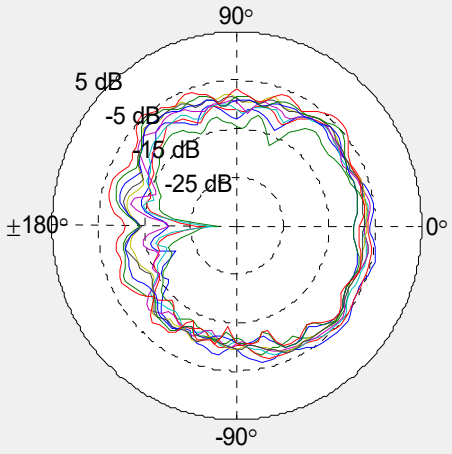


Radiation Pattern

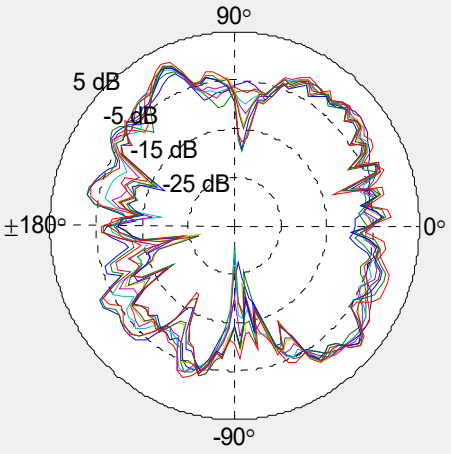
5G Band = 5150 - 6000 MHz



XY Plane (+X = 0°, +Y = +90°) / Elevation = 90 °



ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0 °



YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90 °

