



TAOGLAS®

Datasheet

Comet Series

Part No:
MA325.B.001

Description

2-in-1 Comet Series Dipole Wi-Fi 6E MIMO Adhesive / Magnetic Mount Puck Antenna

Features:

WIFI 6E MIMO
Cable: 2.8m 1.5DS
Connector: RP-SMA(M)ST

1. Specification	2
2. Test Setup	3
3. Antenna Characteristics	7
4. Radiation Patterns	10
5. Mechanical Drawing	14
6. Packaging.....	15
7. Appendix	16

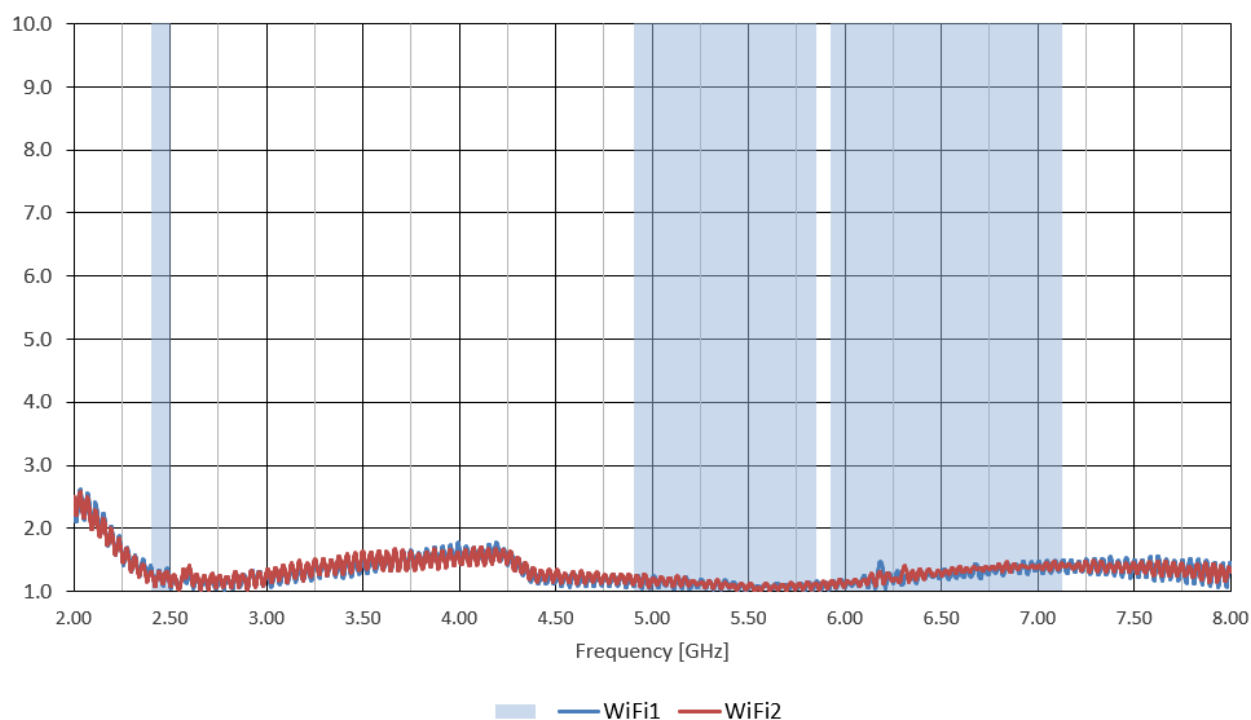
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Specification

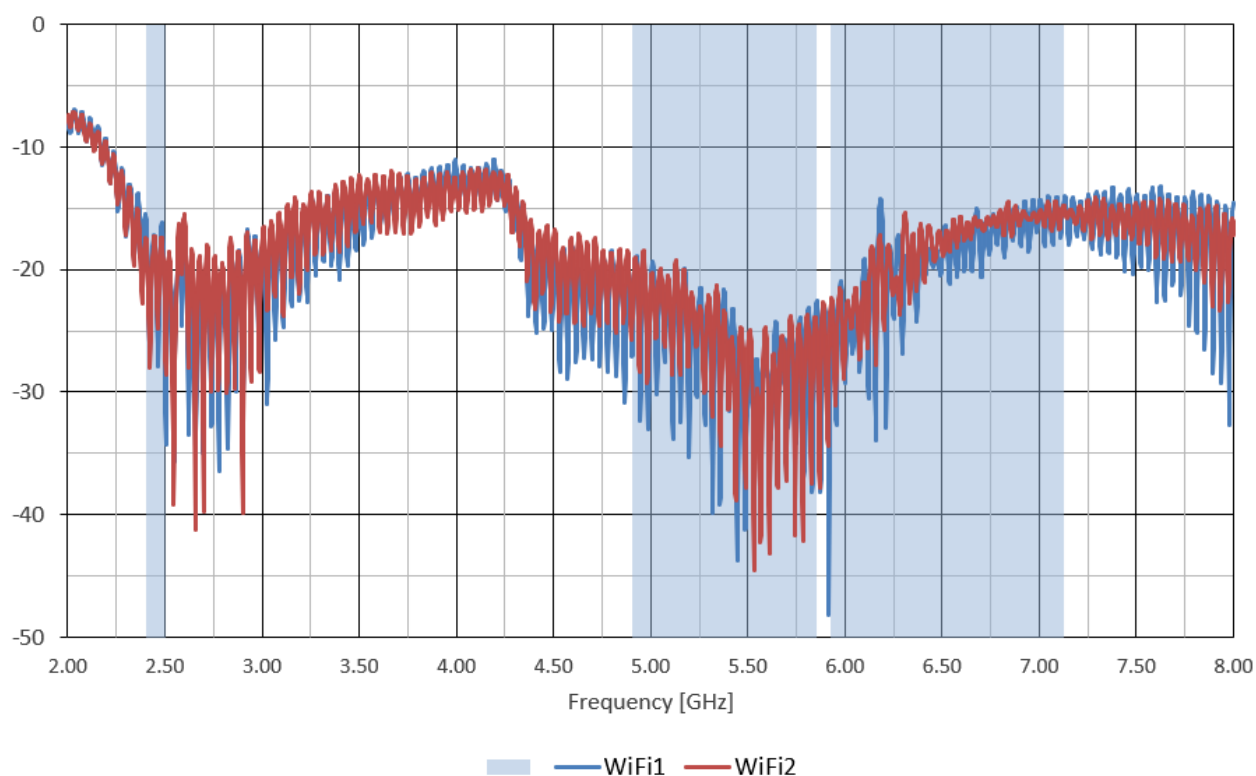
Electrical			
Frequency (MHz)	2400~2500	4900~5850	5925~7125
Efficiency (%)			
WI-FI1	37.5	26.5	23.03
WI-FI2	36.9	27.5	23.19
Average Gain (dB)			
WI-FI1	-4.26	-5.77	-6.5
WI-FI2	-4.33	-5.61	-6.46
Peak Gain (dBi)			
WI-FI1	0.63	1.47	1.69
WI-FI2	-0.01	1.14	1.22
Isolation (dB)			
WI-FI1 - WI-FI2	< -15 50Ω Linear Omni 10W		
Impedance			
Polarization			
Radiation Pattern			
Max. input power			
Mechanical			
Height	Ø80mm x 18 mm		
Planner Dimension	113g		
Casing	ASA		
Connector	RP-SMA(M)ST		
Environmental			
Waterproof Rating	IP67		
Temperature Range	-40°C to 85°C		
Humidity	Non-condensing 65°C 95% RH		

Antenna Characteristics

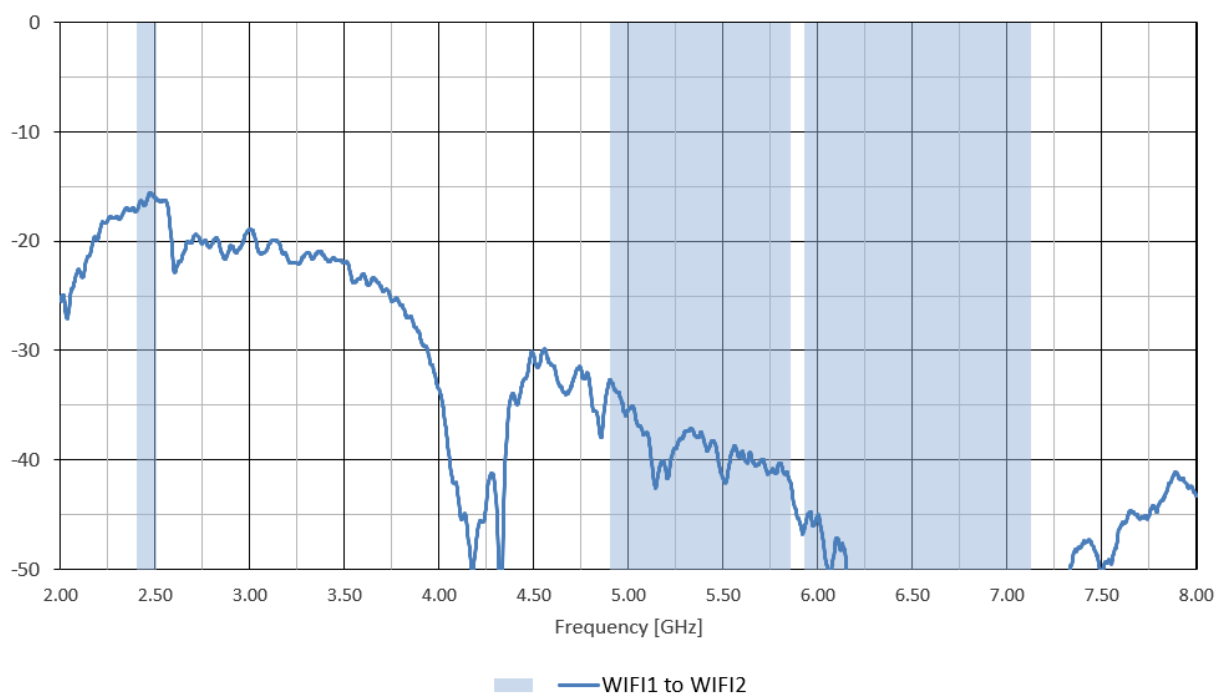
VSWR



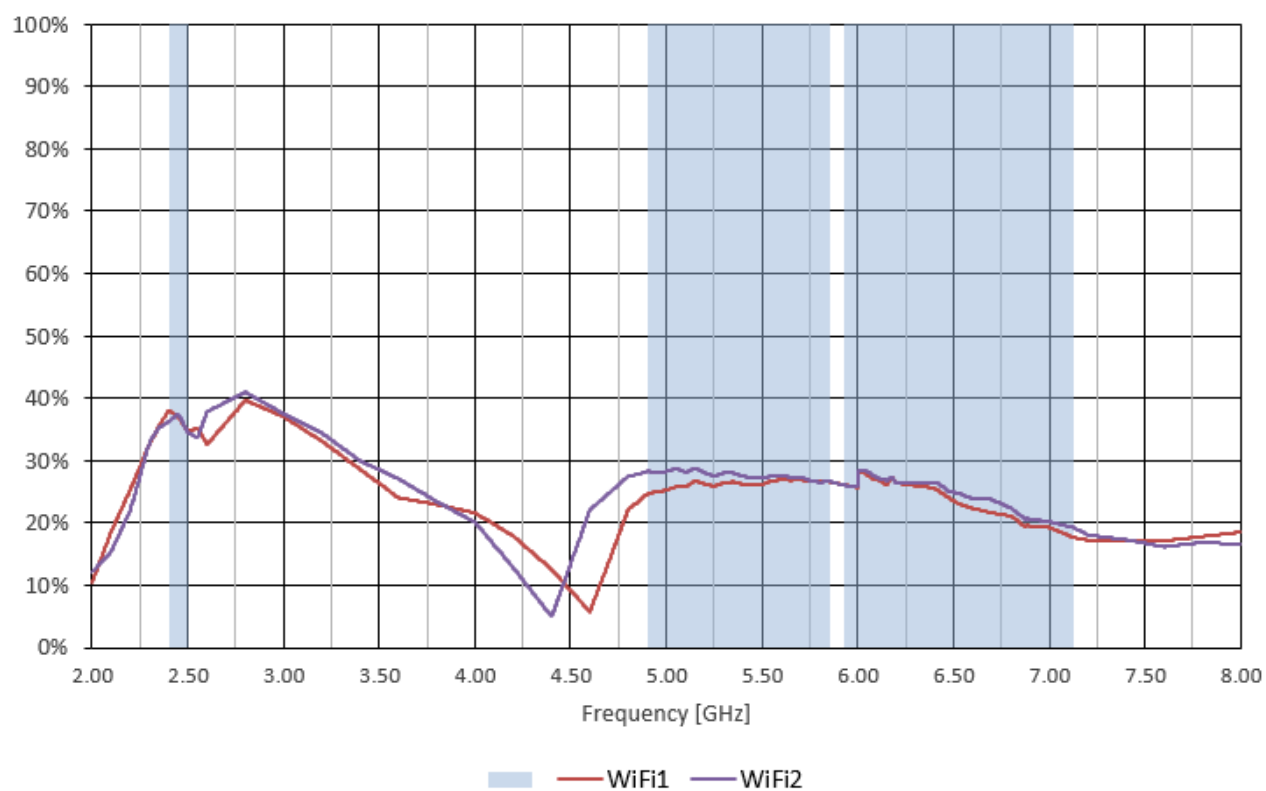
Return Loss



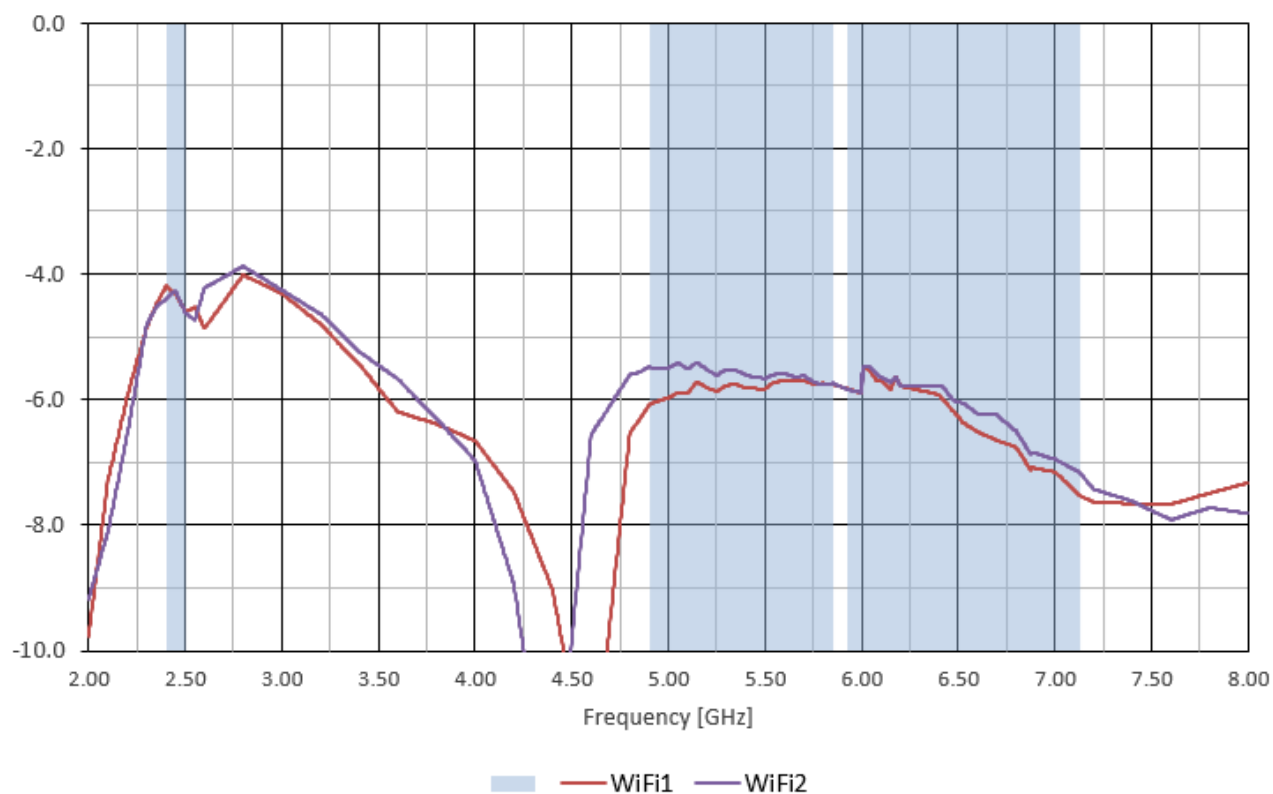
Isolation



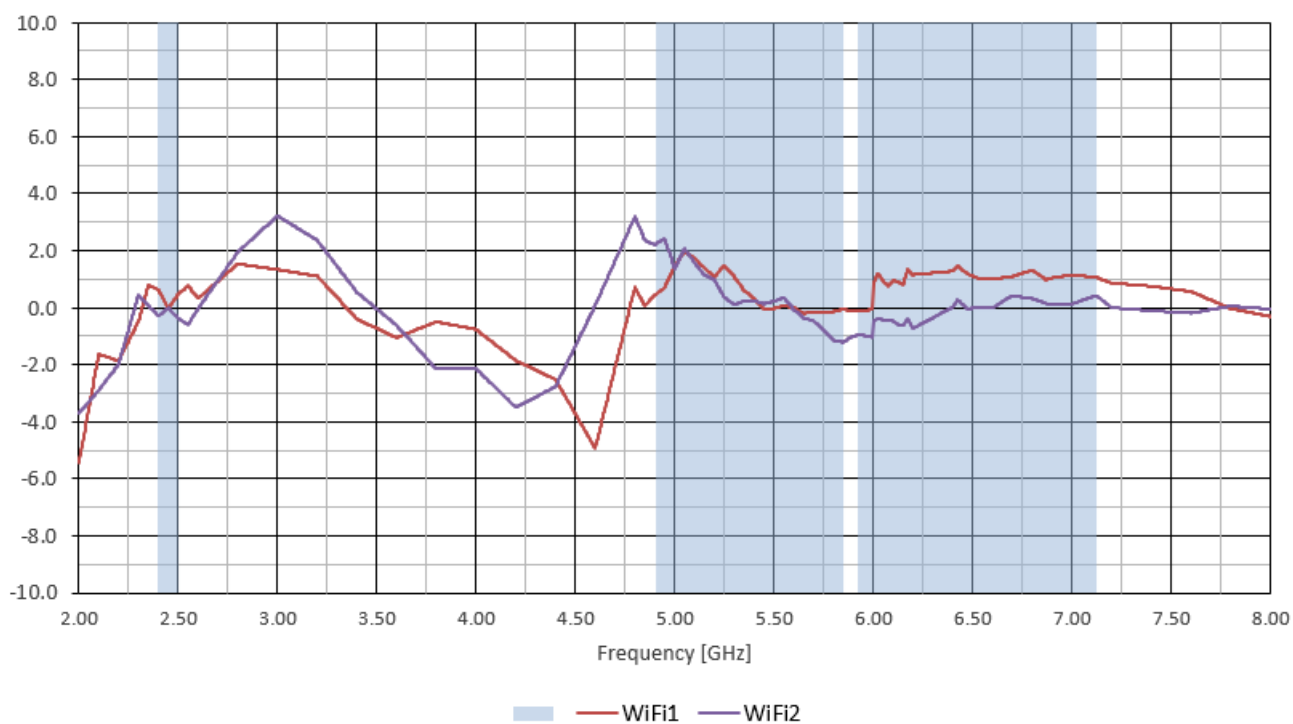
Efficiency



Average Gain



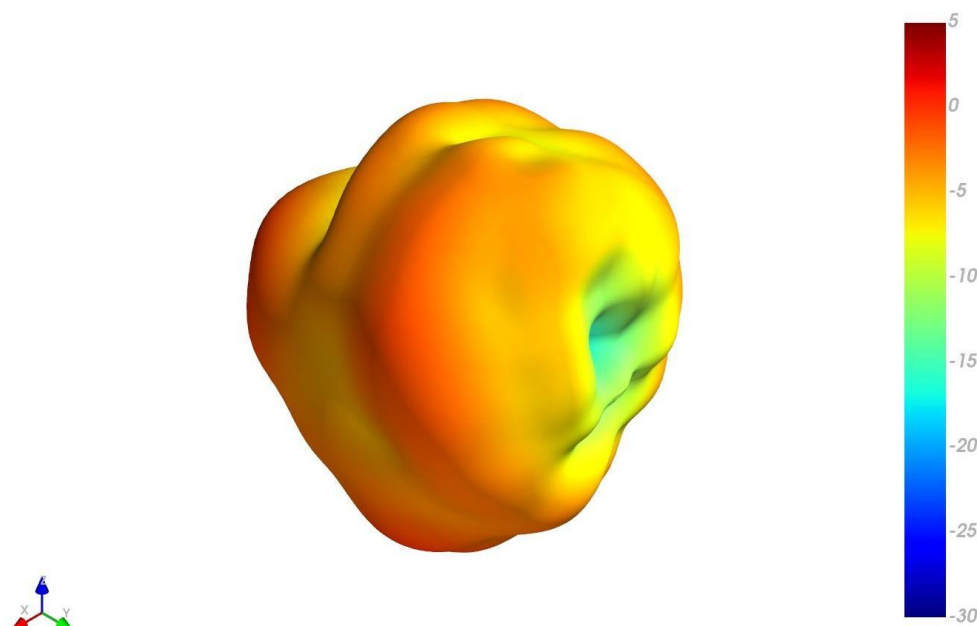
Peak Gain



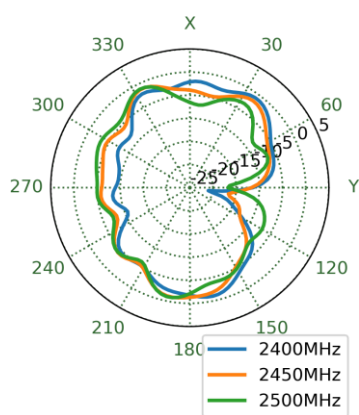
Radiation Patterns

WI-FI1 3D and 2D Radiation Patterns

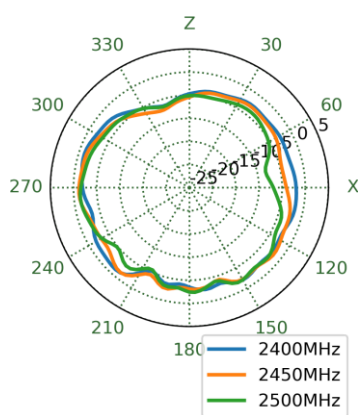
Gain total, 2450MHz



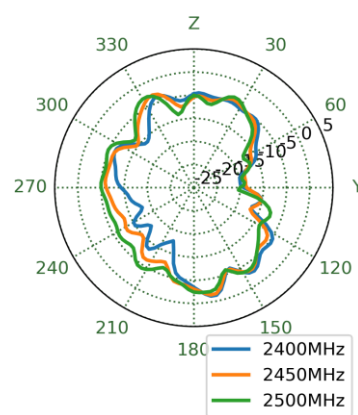
XY Plane



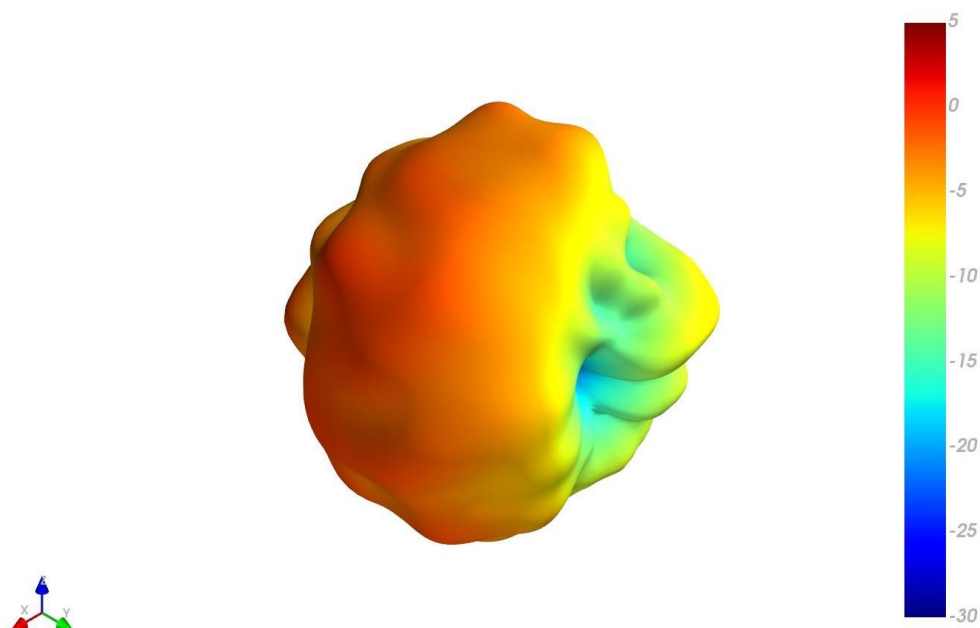
XZ Plane



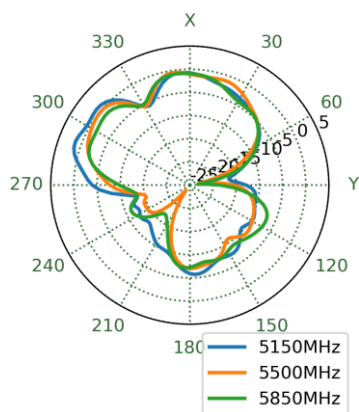
YZ Plane



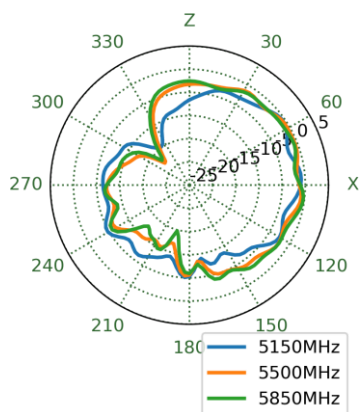
Gain total, 5500MHz



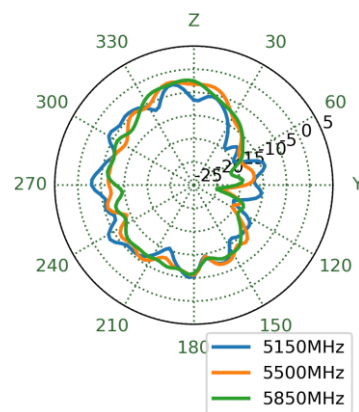
XY Plane



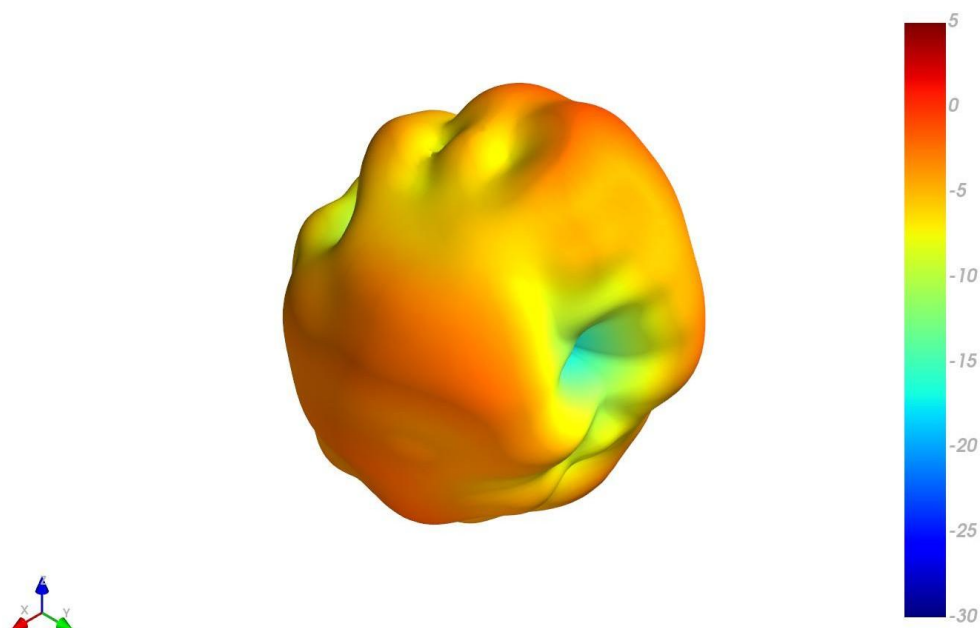
XZ Plane



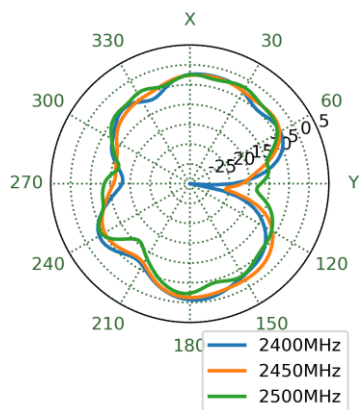
YZ Plane



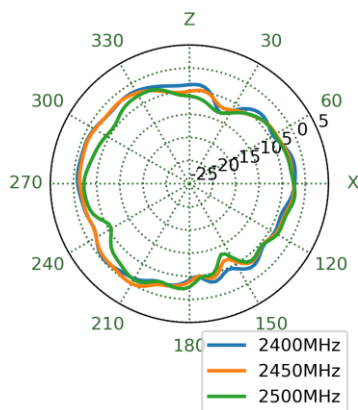
Gain total, 2450MHz



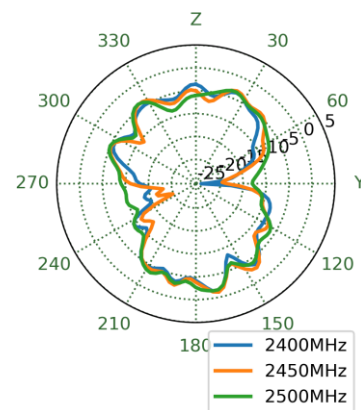
XY Plane



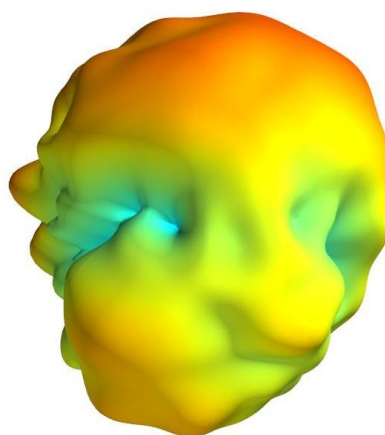
XZ Plane



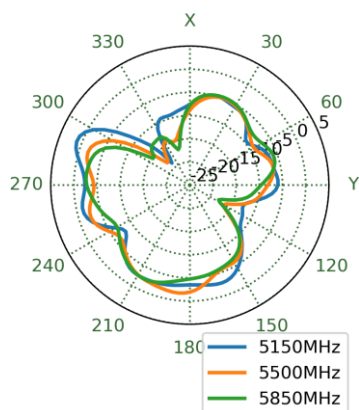
YZ Plane



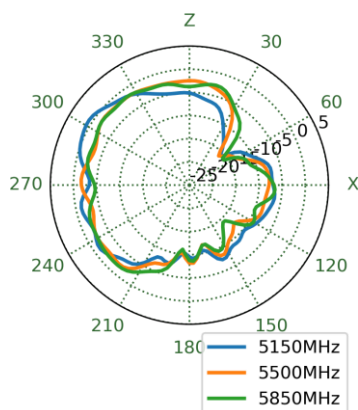
Gain total, 5500MHz



XY Plane



XZ Plane



YZ Plane

