

Antenna Report

Frequency range and operation

- Wi-Fi: 2.4 to 2.48 GHz and 5.15 to 5.85 GHz
- Bluetooth (2.4 GHz): 2.4 to 2.48 GHz

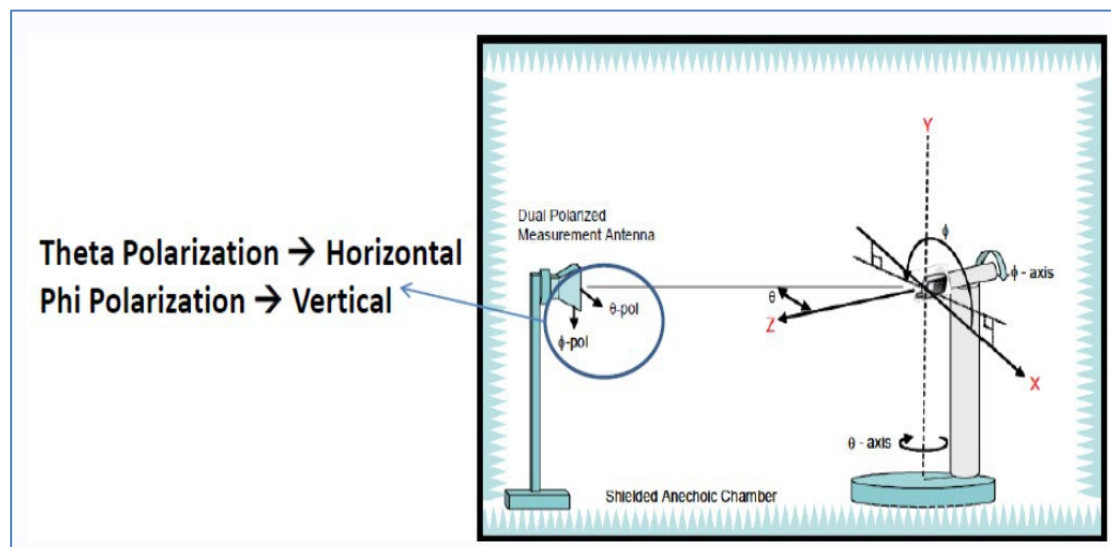
Antenna Type: IFA Antenna

Antenna Gain :

Band	WiFi/BT ANT1 2.4/5G	WiFi/BT ANT2 2.4/5G
BT Band 2400-2480MHz	1.7 dBi	1.9 dBi
2.4GHz Band 2400-2480MHz	1.7 dBi	1.9 dBi
5GHz Band 1 (5150-5250MHz)	1.9 dBi	1.9 dBi
5GHz Band 2 (5250-5350MHz)	0.5 dBi	2.3 dBi
5GHz Band 3 (5470-5725MHz)	1.2 dBi	3.8 dBi
5GHz Band 4 (5725-5850MHz)	1.7 dBi	4.2 dBi

Test Lab: Huizhou Speed Wireless Technology Co.,Ltd.

Address: No.138 Huize Road, Hi-tech Industrial Park of East-river, Hi tech District
of Zhongkai, Huizhou



Name and Signature of Test Engineer:

Test Engineer: Tim Wang

Signature:

Tim. Wang

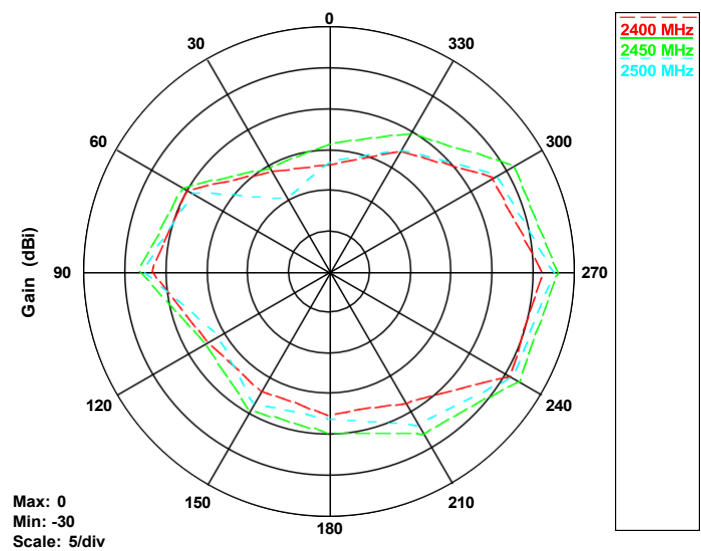
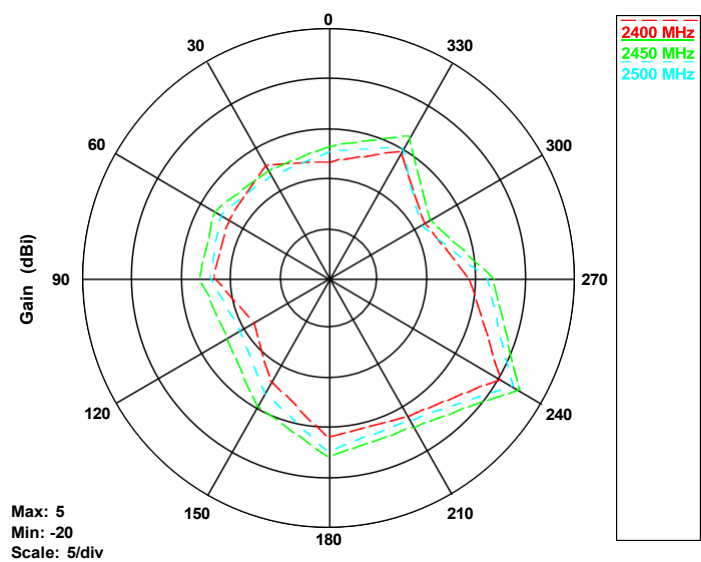
Date of Test: 2025/08/20

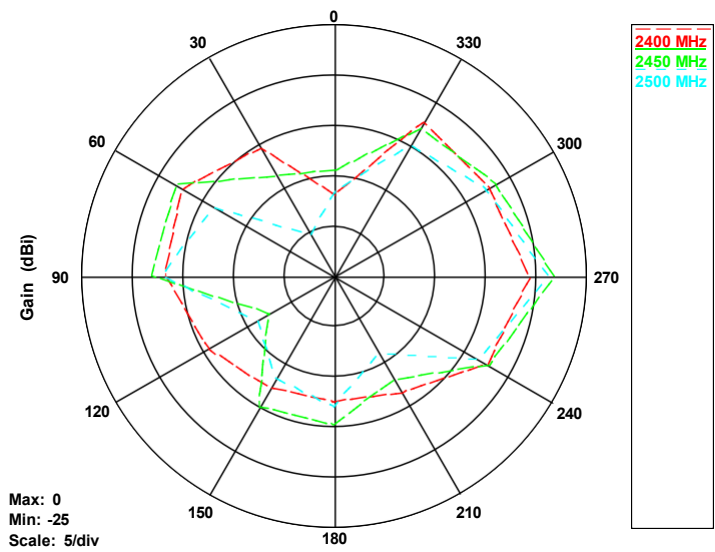
ETS Lab					
Name	Manufacturer	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
Network Analyzer	Keysight	E5071C	MY46213344	2025/5/12	2026/5/11
Switch Control	Keysight	3499	MY42000655	NCR	NCR
Diagonal Dual Polarized Horn	ETS-Lindgren	3164-10	00244619	NCR	NCR
Multi-Devices Controller	ETS-Lindgren	2090	00125970	NCR	NCR
Medium Duty Holder	ETS-Lindgren	115520/115321	N/A	NCR	NCR

GTS Lab				
Name	Manufacturer	Type/Model	Calibration	
			Last Cal.	Due Date
WIRELESS CONNECTIVITY TESTER	R&S	CMW500	2025/9/11	2026/9/10
WIRELESS TESTER	Keysight	E7515E	2025/7/14	2026/7/13
NETWORK ANALYZER	Keysight	E5071C	2025/5/12	2026/5/11
RF SWITCH UNIT	GTS	SU-2001	2025/5/6	2026/5/5
RF Amplifier Unit	GTS	N/A	2025/5/6	2026/5/5
software	GTS	1.5.7	N/A	N/A
Test Method	GTS	Far-Field test	2025/5/6	2026/5/5

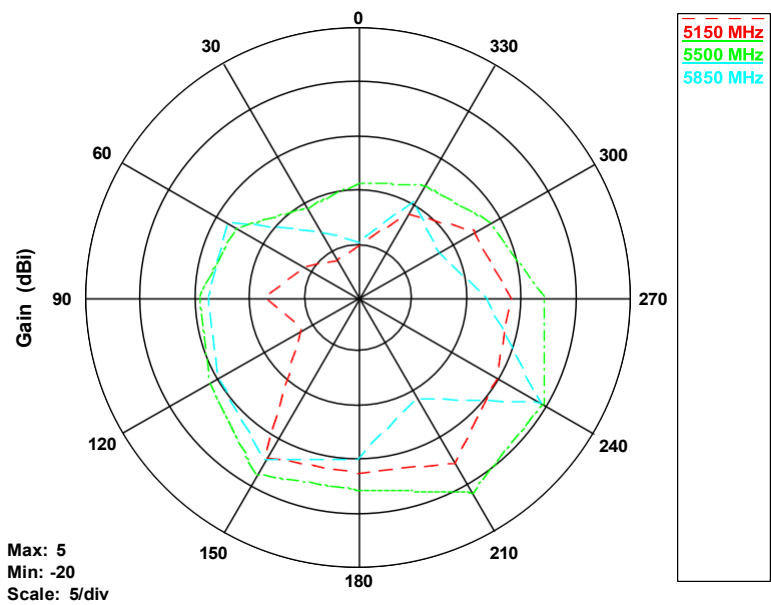
Chamber Model	Test software	Software Version	Test Method	Calibration Date	Equipment List
ETS-AMS8500	EM quest	1.1.2.0	Far-field Test	2025/05/12	Signal Analyzer /Comprehensive Tester /Network Analyzer /Switch /Magnification unit /Turntable Controller
GTS-RayZone2800	Max Sign libra	1.5.7	Far-field Test	2025/09/11	Comprehensive Tester /Network Analyzer /Switch /Magnification unit /Turntable Controller

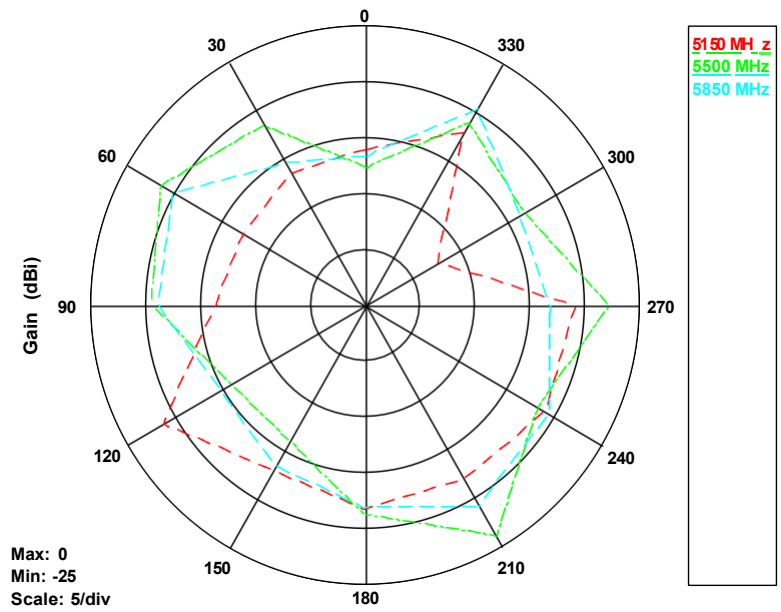
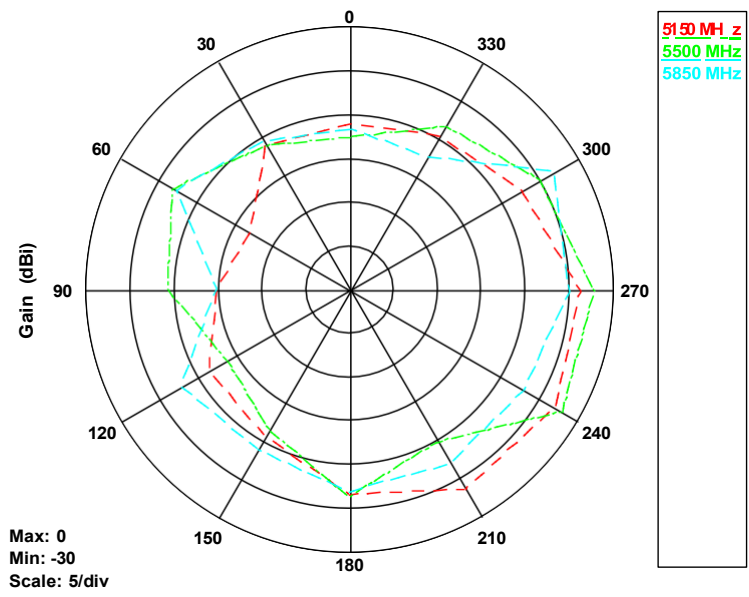
2D diagram of antenna radiation——ANT1-2.4G



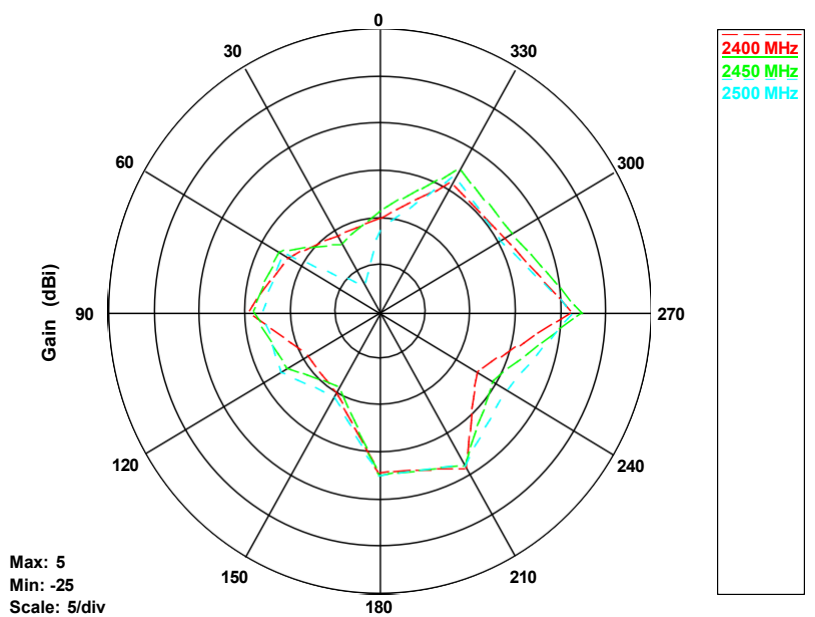
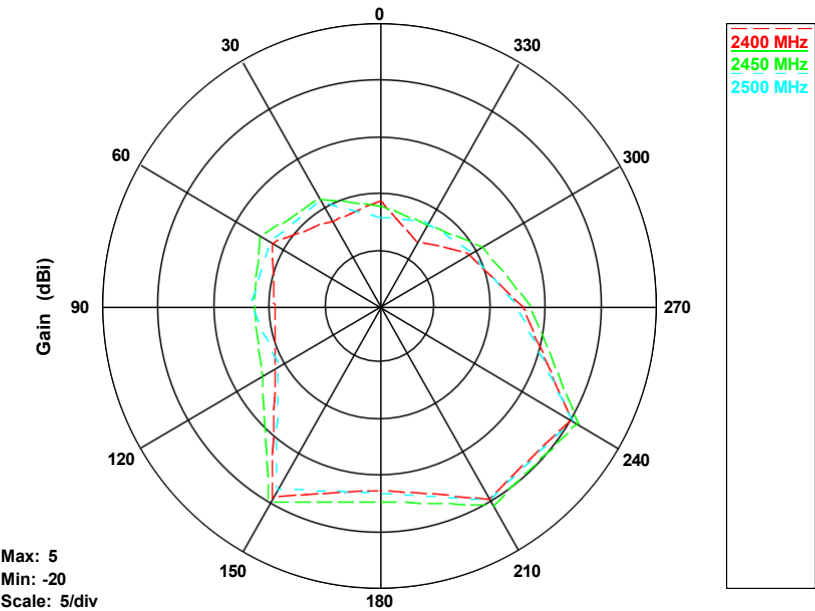


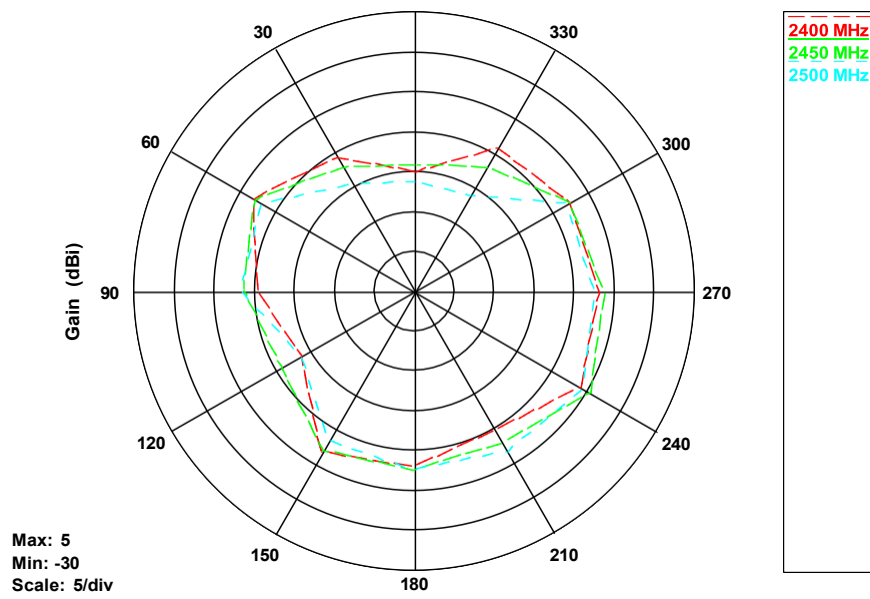
2D diagram of antenna radiation——ANT1-5G



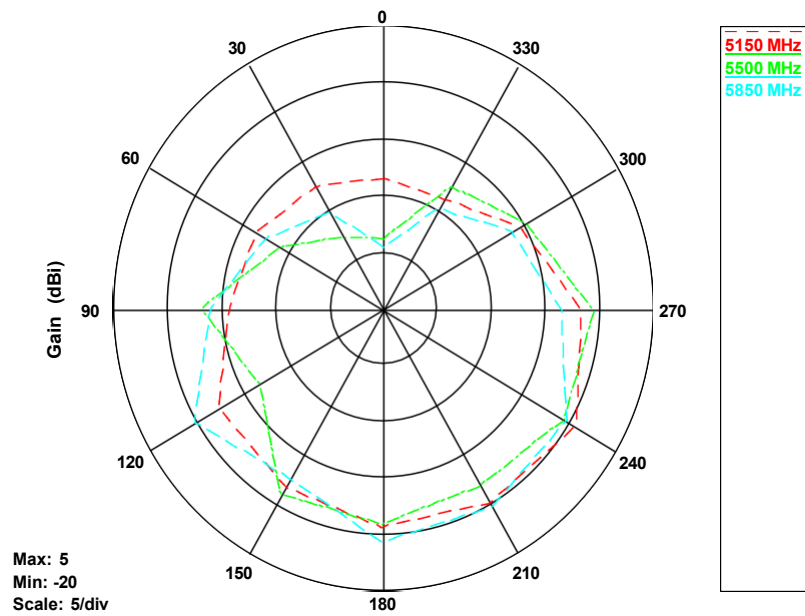


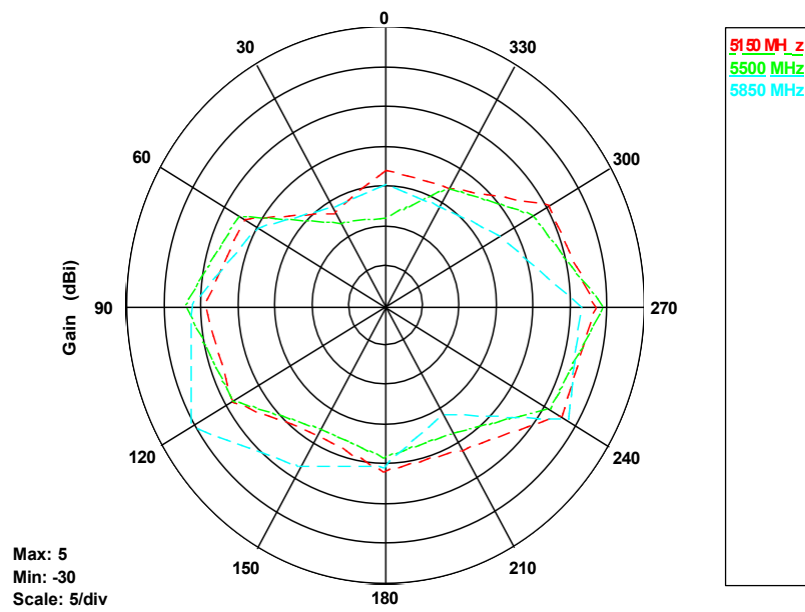
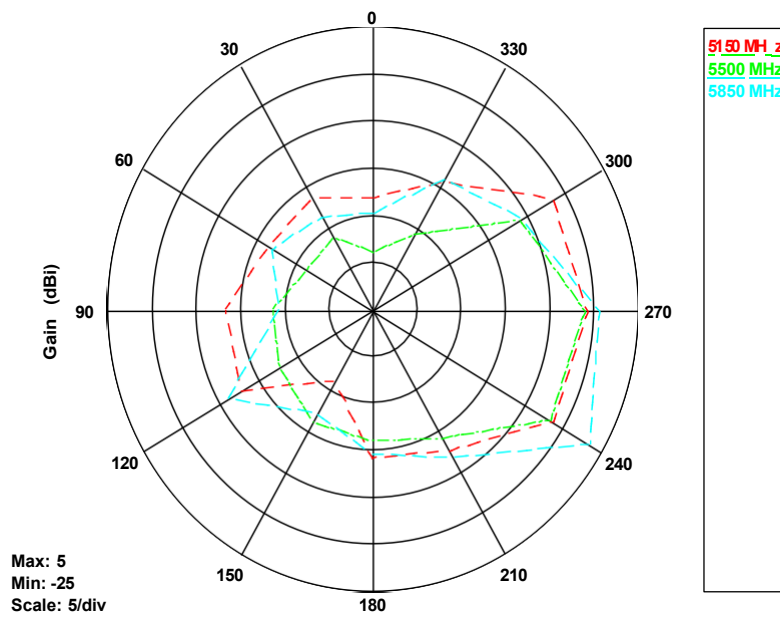
2D diagram of antenna radiation——ANT2-2.4G





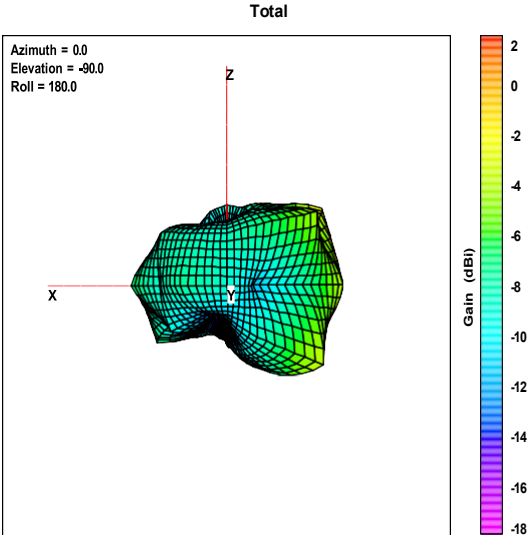
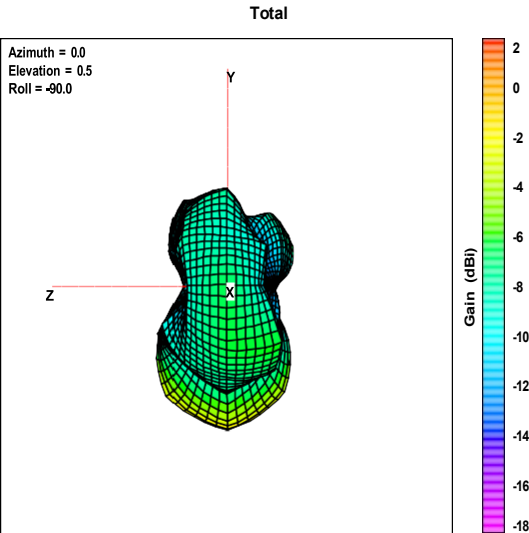
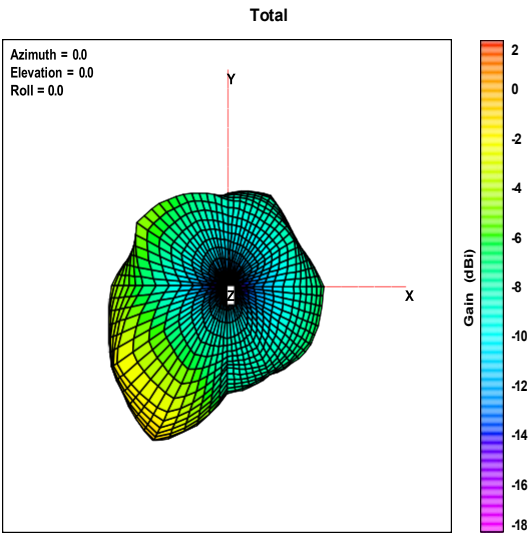
2D diagram of antenna radiation——ANT2-5G



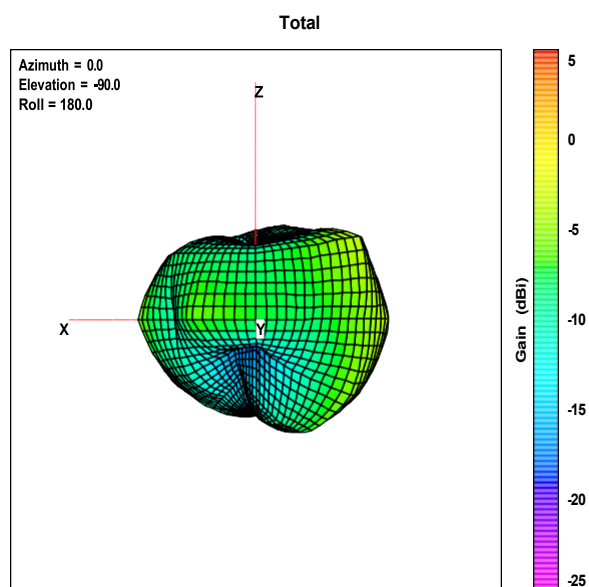
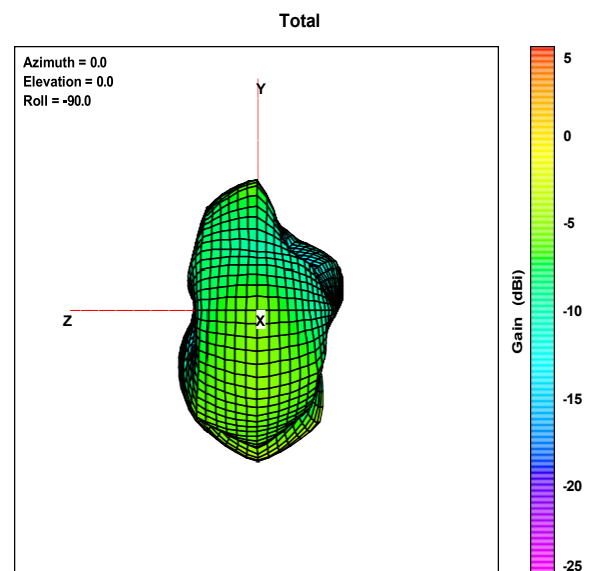
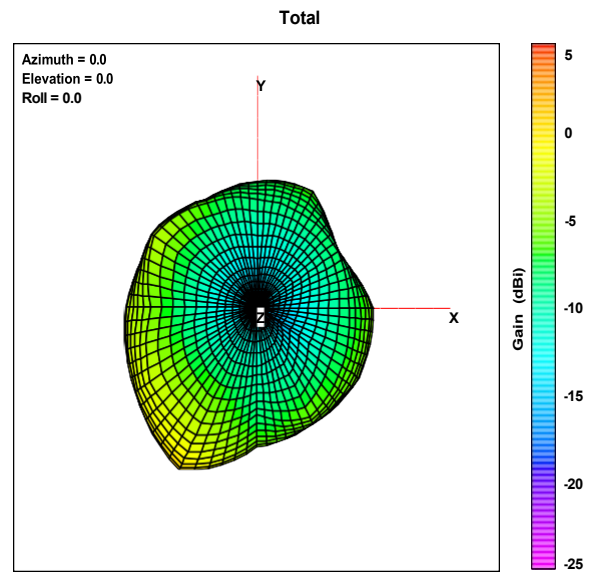


3D diagram of antenna radiation (ANT1):

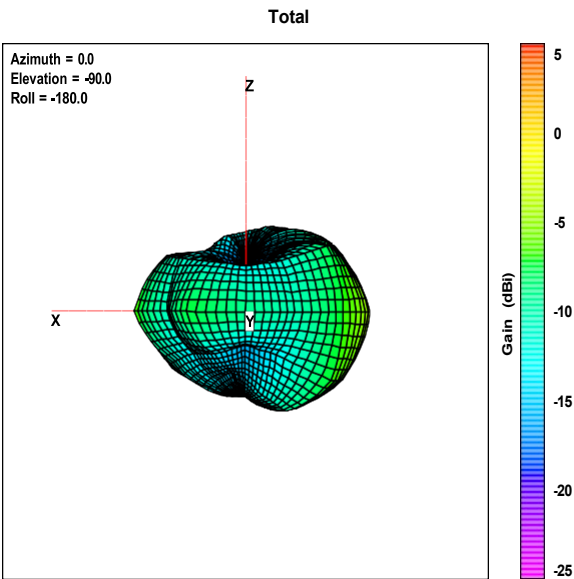
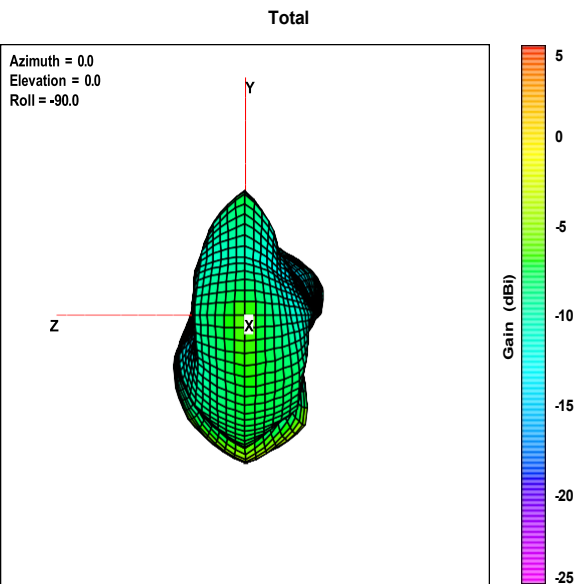
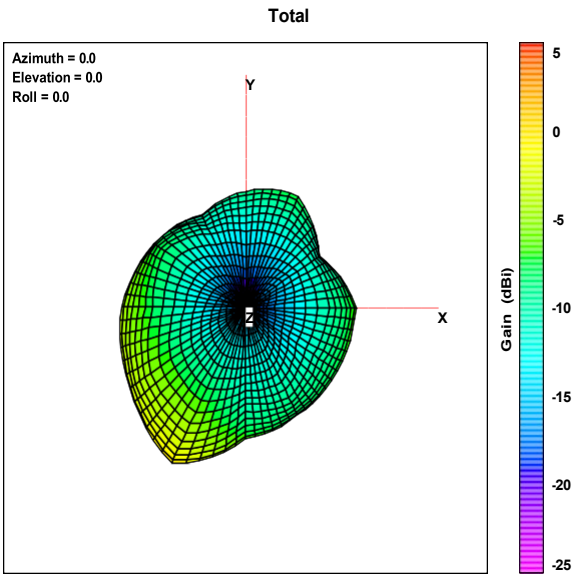
2.4GHz :



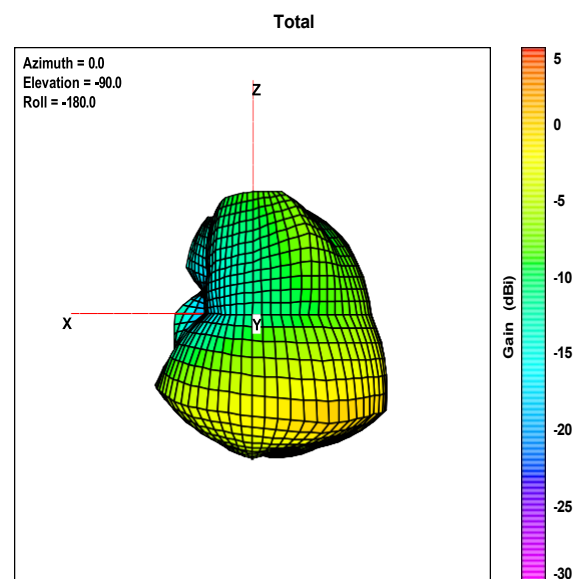
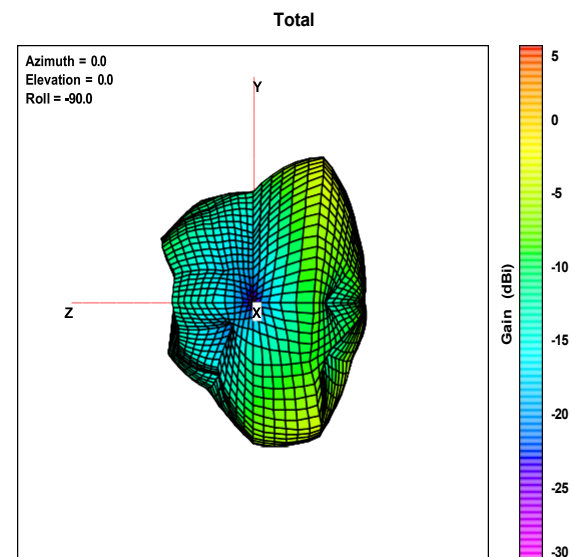
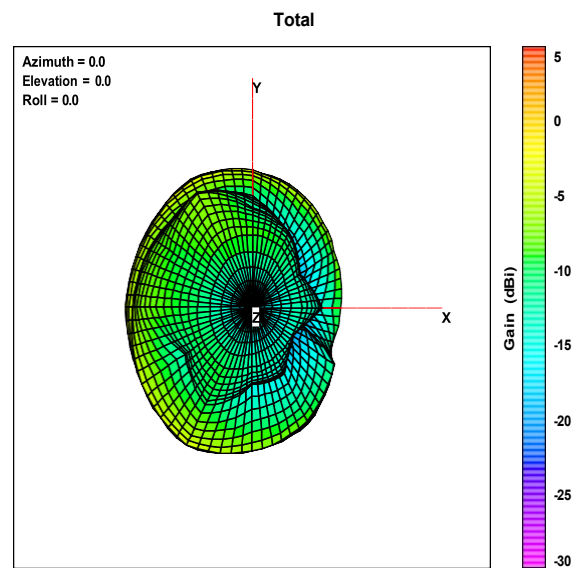
2.45GHz :



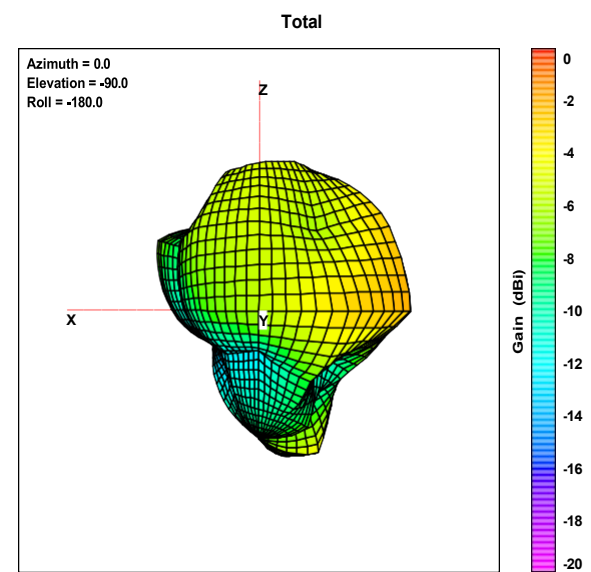
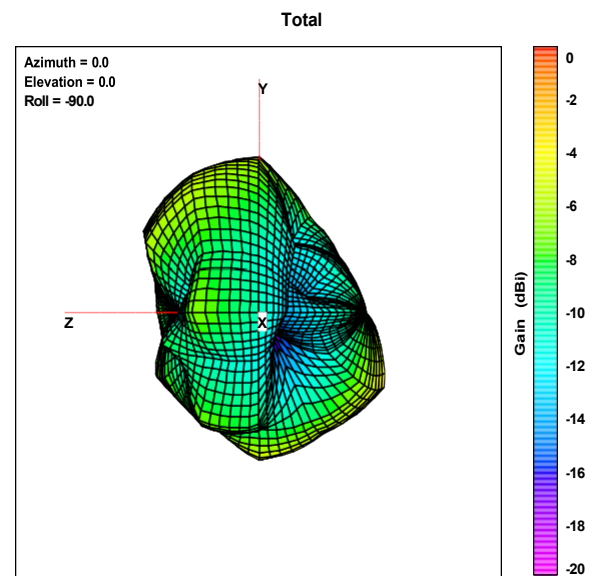
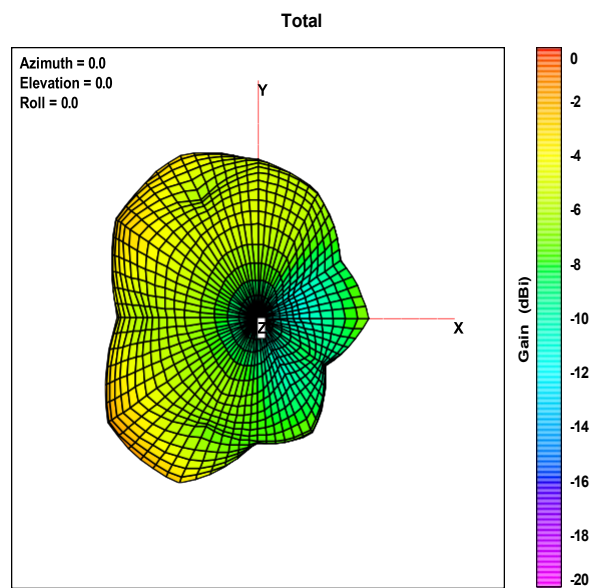
2.5GHz :



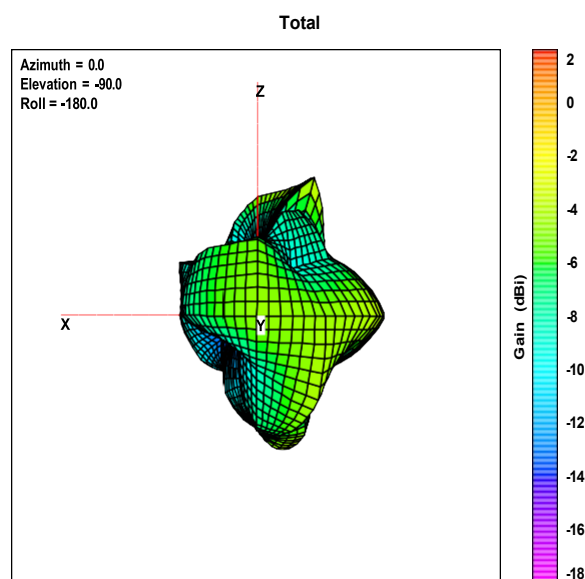
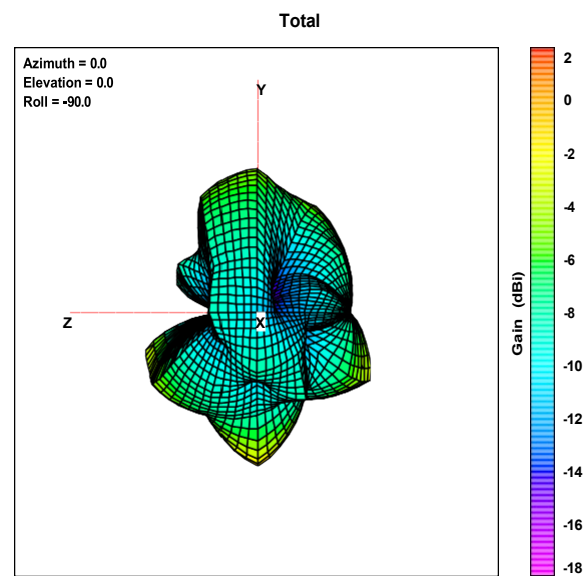
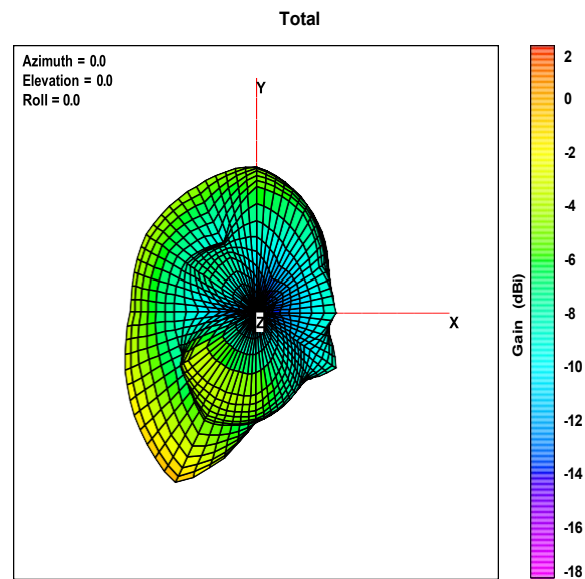
5.15GHz :



5.50GHz :

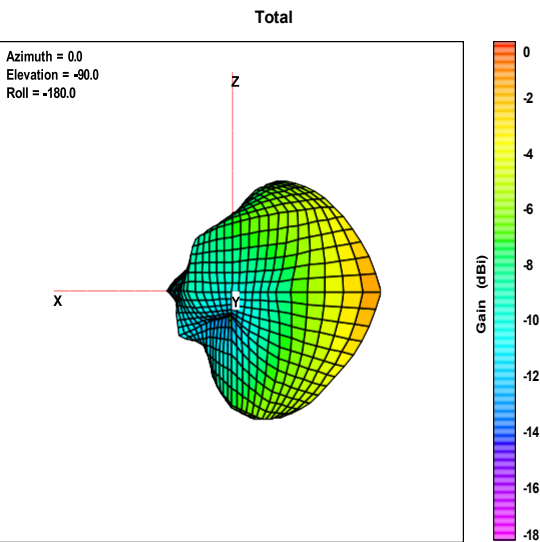
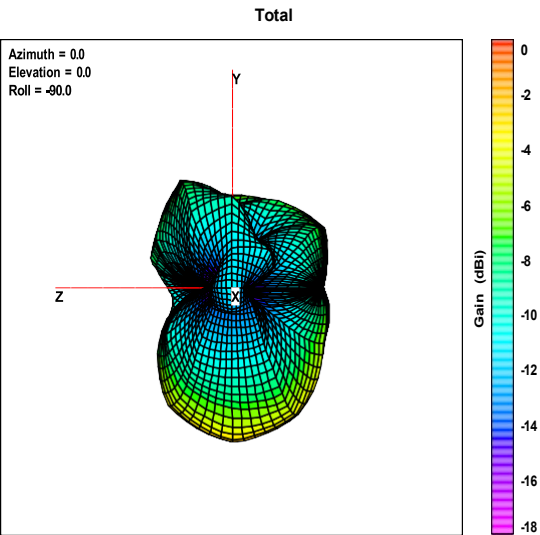
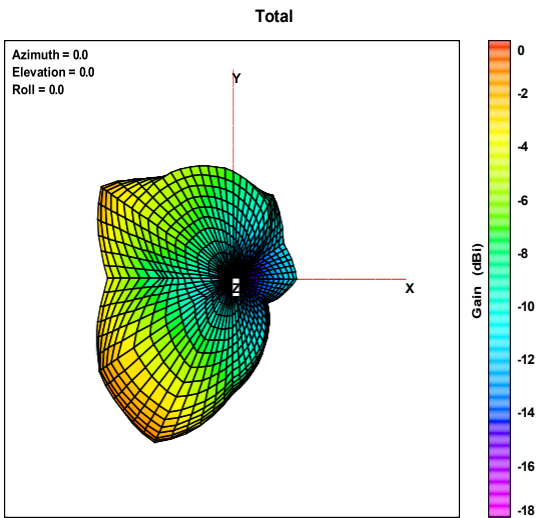


5.85GHz :

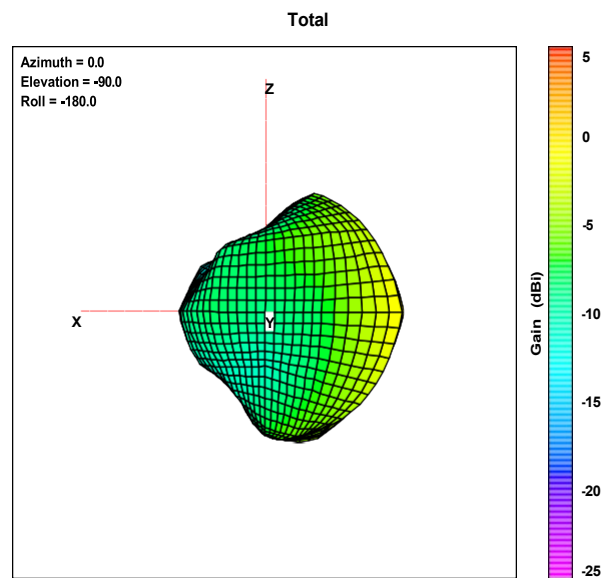
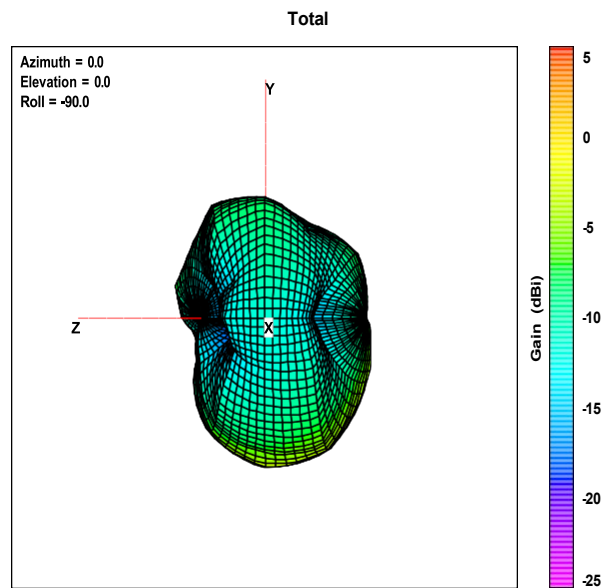
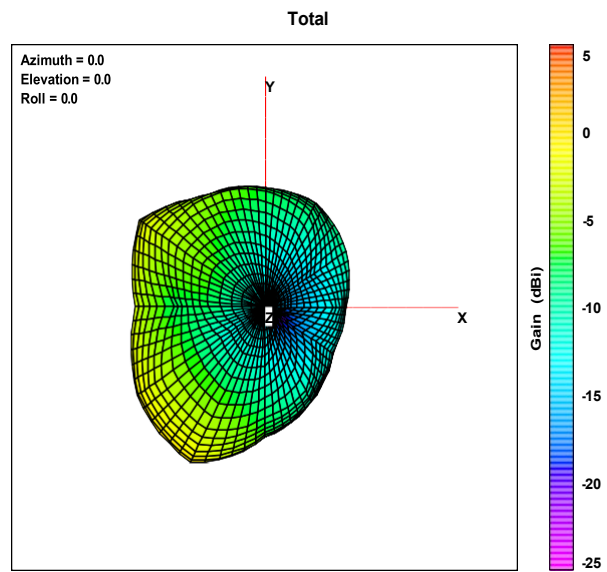


3D diagram of antenna radiation (ANT2):

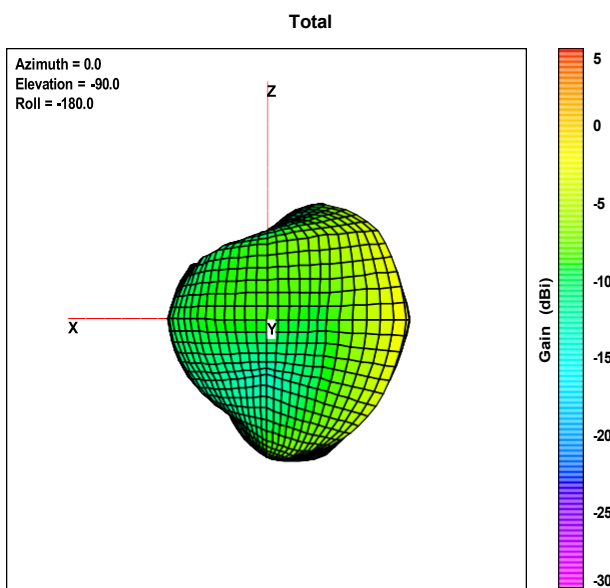
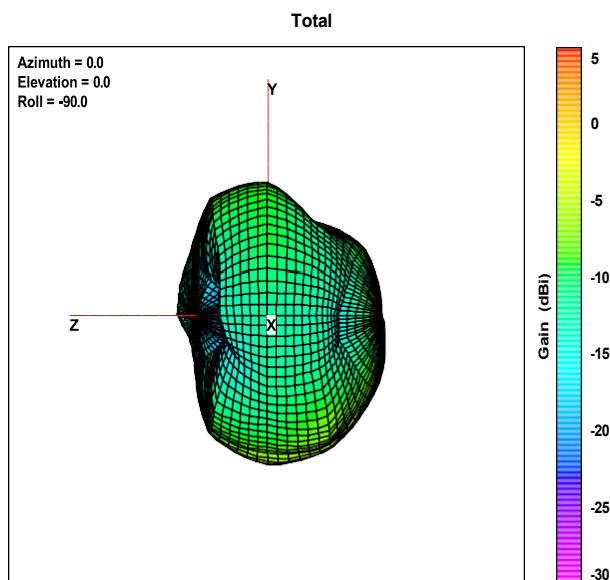
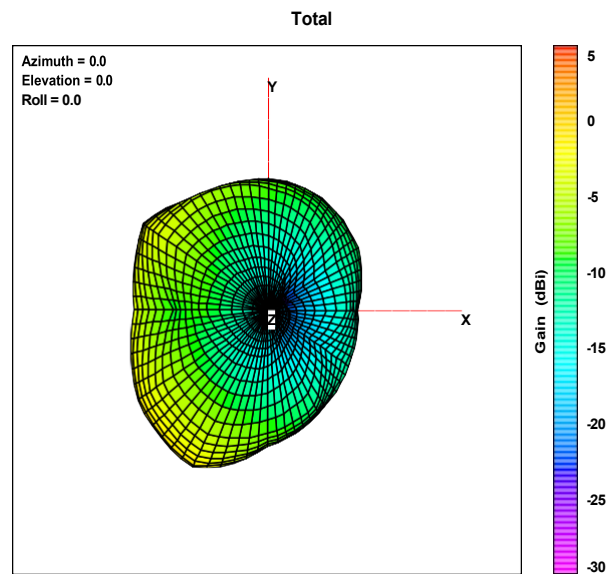
2.4GHz :



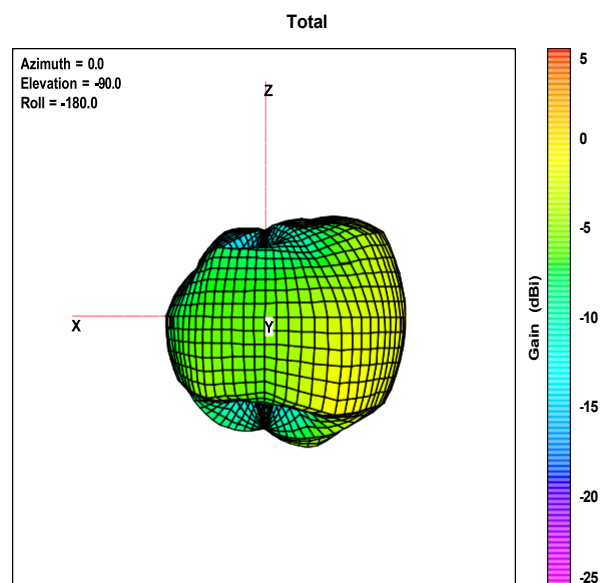
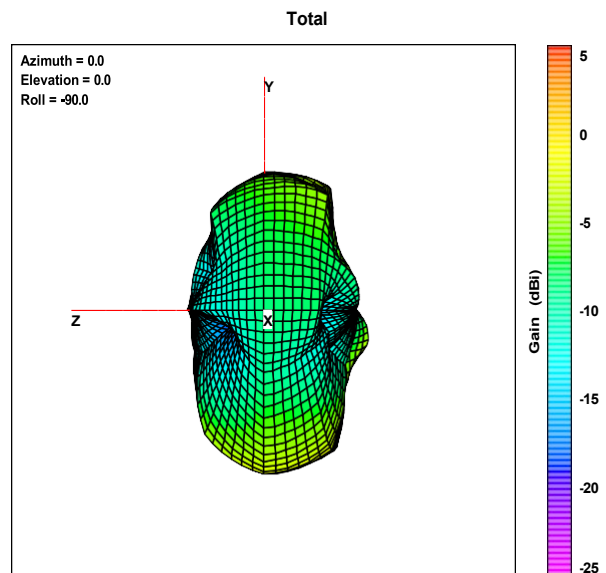
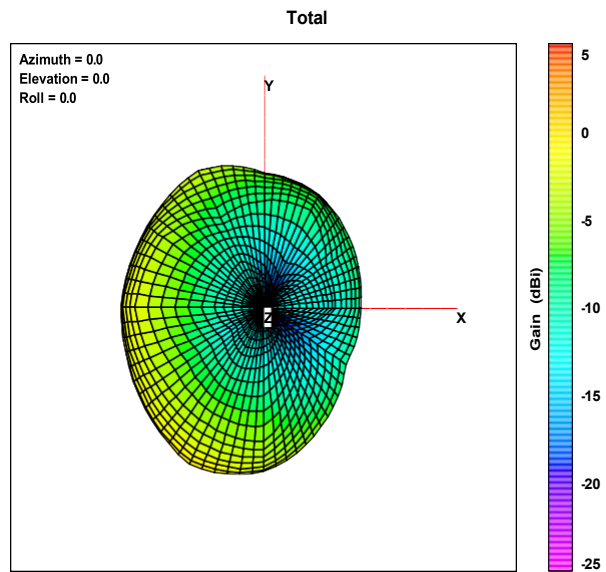
2.45GHz :



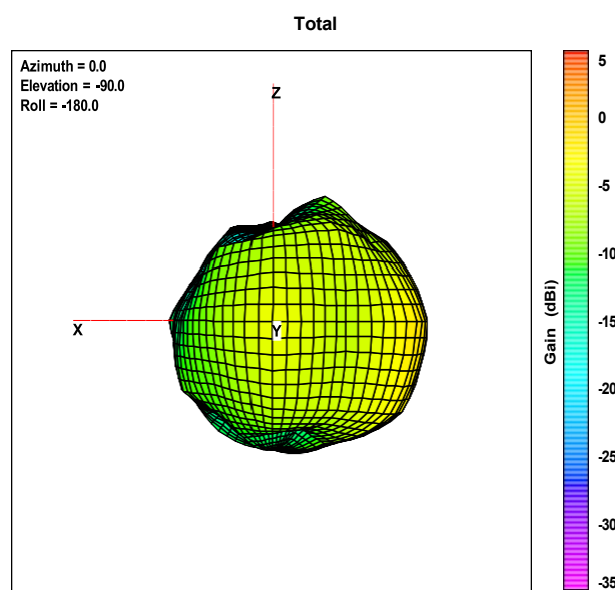
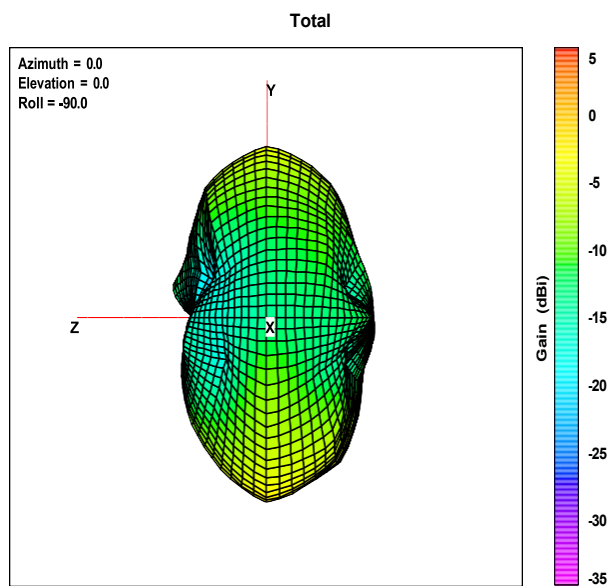
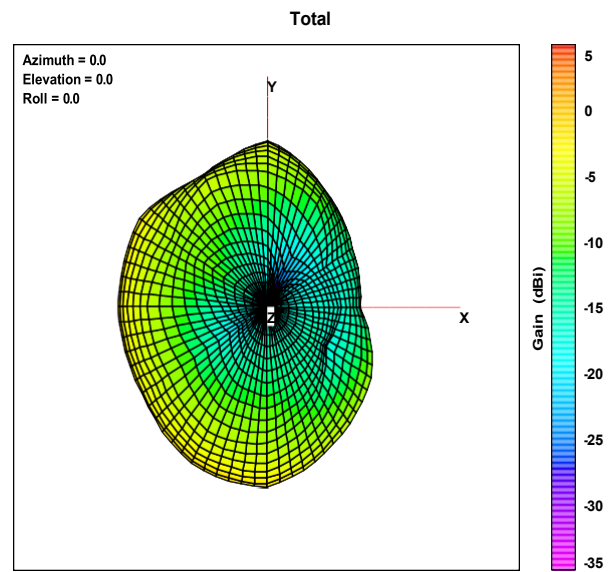
2.5GHz :



5.15GHz :



5.50GHz :



5.85GHz :

