



Wireless Device Over the Air Performance Test Report

REPORT NO.	OQ4D1003
APPLICANT	: Getac Technology Corporation.
EQUIPMENT	: Tablet PC
DATE OF RECEIPT	: December 27, 2024
DATE OF TEST	: December 27, 2024
ISSUE DATE	: March 21, 2025

Reviewed by:


SPORTON LAB.

Tim Kao / Vice Manager

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

The declared product specification for EUT presented in this report is provided by the manufacturer / applicant, and the manufacturer / applicant takes all the responsibilities for the accuracy of product specification.

SPORTON INTERNATIONAL INC.



Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
OQ4D1003	1.0	Initial issue of report	January 02,2025
OQ4D1003	2.0	Added 5850-5895MHz Peak Gain	March 21, 2025

1. Test Laboratory

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Telephone Number	TEL: +886-3-327-3456; FAX: +886-3-328-4978
Address	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan
Chamber	☐ OTA01-HY ☐ OTA03-HY ☐ OTA04-HY ☒ OTA05-HY

☒ : The chamber(s) which used to perform the test in this test report.

2. Client Information

2.1 Applicant

Company Name	Getac Technology Corporation.
Address	5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 115018, Taiwan, R.O.C.
Contact Person	Kevin Chiang / kevin.chiang@getac.com.tw
Telephone Number	FAX : +886-2-2785-7888 TEL : 886-2-2652-5835

3. Device Under test(DUT) Information

3.1 Description of DUT

Product Feature & Specification	
EUT Type	Tablet PC
Brand Name	Getac
Model Name	A140, A140G2
Antenna Type	PIFA Antenna
Antenna Brand	AWAN
Antenna Company Name	ADVANCED WIRELESS & ANTENNA INC.
Antenna Company Address	No. 207-1, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231030, Taiwan (R.O.C.)
Antenna Main Model Name	ALP6Y-100023
Antenna Aux Model Name	ALP6Y-100022

4. Measurement Environment

Ambient Condition

Temperature (°C):	25°C +/- 5°C	Humidity (%):	<60%
-------------------	--------------	---------------	------

Test Equipment List

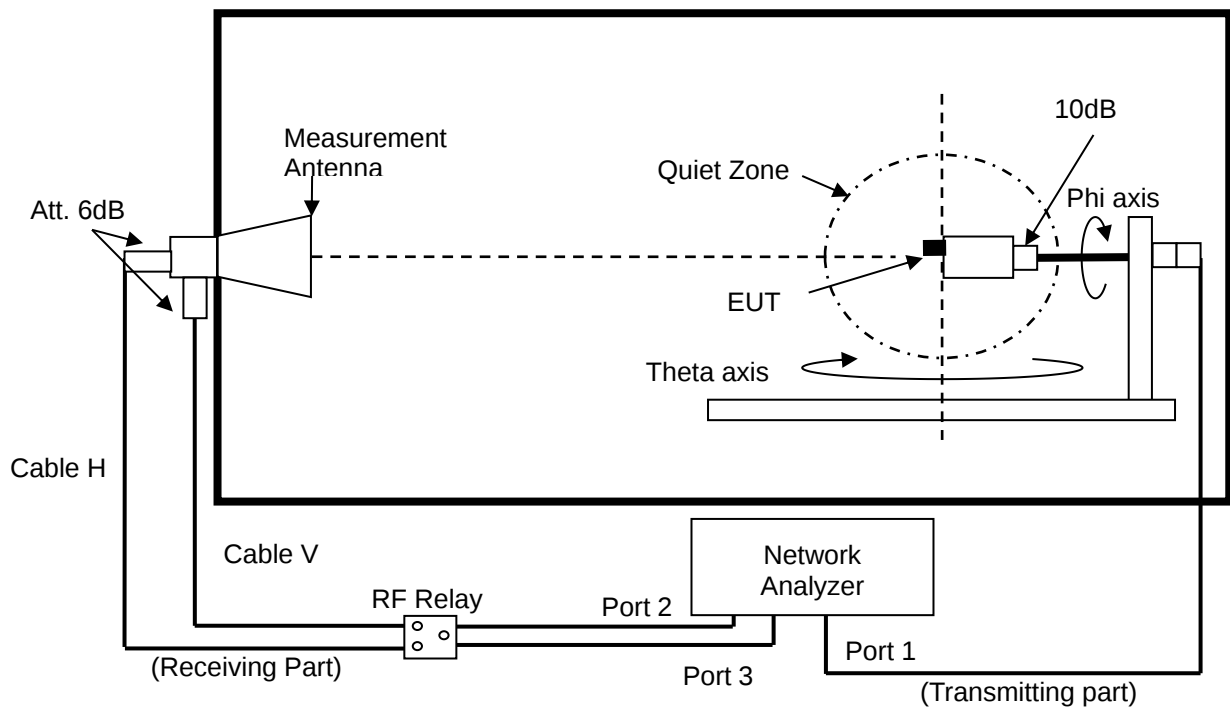
Name	Manufacturer	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
ENA Series vector network analyzer	Keysight	E5080B	MY59101211	2024/06/03	2025/06/02
RF Switch	Keysight	3499A	N/A	NCR	NCR
Multi-Axis Positioner Controller	ETS-Lindgren	2090	N/A	NCR	NCR
Medium-Duty Positioner	ETS-Lindgren	2015	N/A	NCR	NCR
Measurement Horn Antenna	EMCO	3164-10	00239261	NCR	NCR

Measurement Uncertainty

The maximum expanded measurement uncertainty (k=2, at a 95% confidence level) as below:

Normal	2300-2800	5150-5925
	MHz	MHz
Free Space	1.77	2.30
Laptops over 30 cm	1.77	2.35

Passive measurement setup



5. Summary of Test Results

5.1 Declaration

Declaration of Conformity:
The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and Explanations:
None

5.2 Abbreviations and Definitions

Please note the following abbreviations in this section:

FS = Free Space

5.3 Summary Table

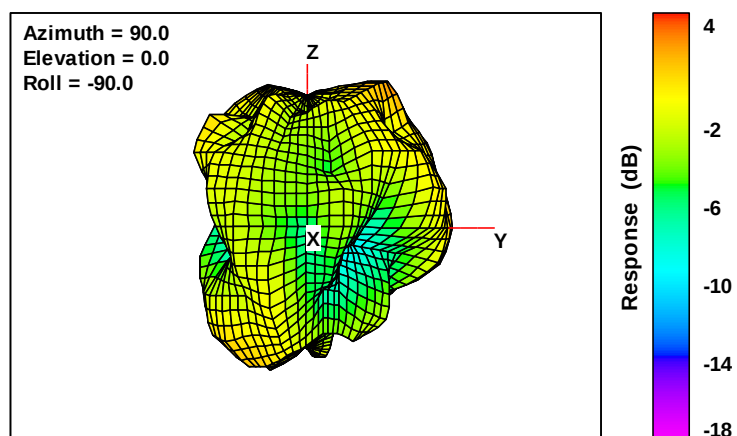
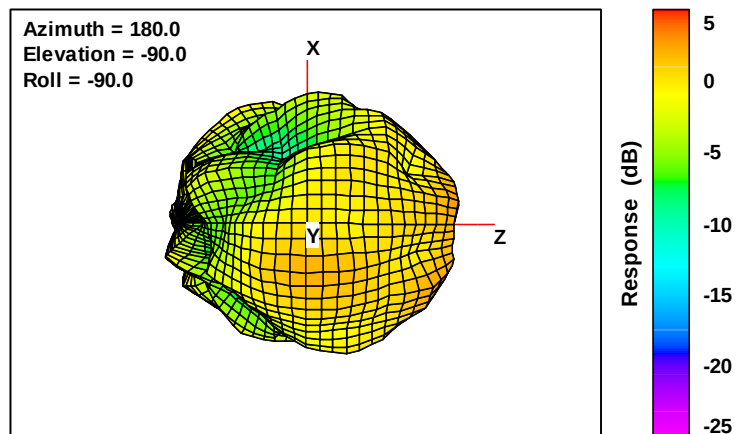
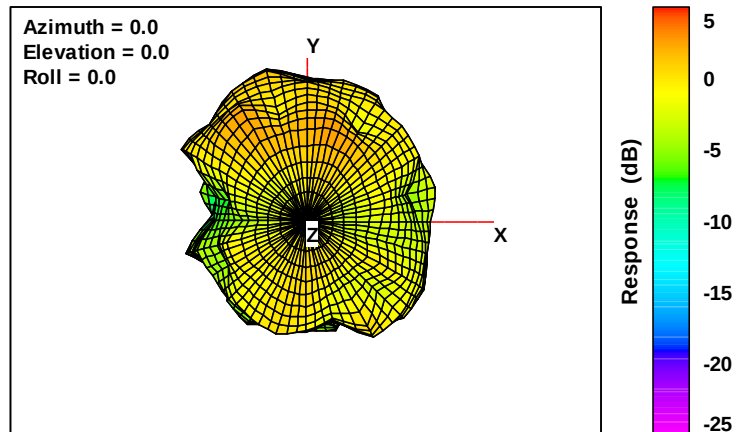
WLAN Main		
Frequency (MHz)	Ant. Port Input Pwr. (dB)	Peak Gain(dBi)
2400 - 2483.5	0.0	3.16
5150 - 5250	0.0	4.37
5250 - 5350	0.0	3.99
5470 - 5725	0.0	4.19
5725 - 5850	0.0	3.52
5850 - 5895	0.0	2.97
5925 - 6425	0.0	3.49
6425 - 6525	0.0	3.01
6525 - 6825	0.0	4.04
6875 - 7125	0.0	2.85

WLAN Aux		
Frequency (MHz)	Ant. Port Input Pwr. (dB)	Gain (dBi)
2400 - 2483.5	0.0	1.97
5150 - 5250	0.0	2.65
5250 - 5350	0.0	2.08
5470 - 5725	0.0	2.64
5725 - 5850	0.0	2.56
5850 - 5895	0.0	2.26
5925 - 6425	0.0	3.32
6425 - 6525	0.0	2.80
6525 - 6825	0.0	2.48
6875 - 7125	0.0	1.84

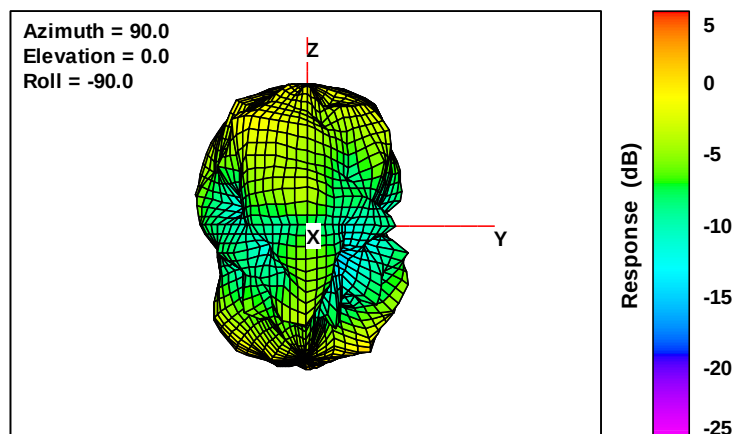
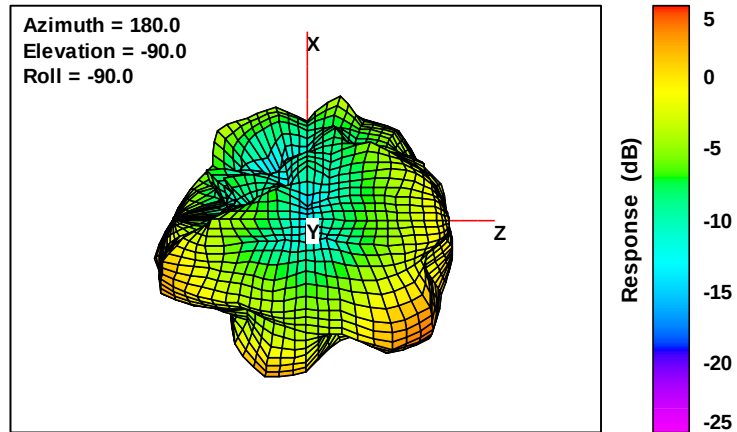
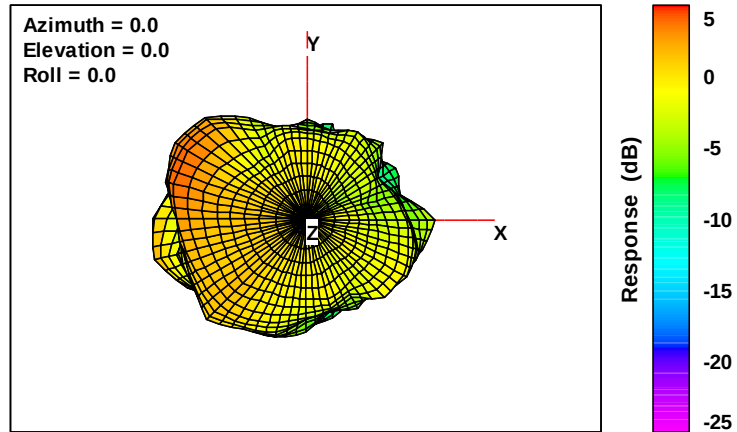
Appendix A 3D Pattern

Appendix A.1.1 Main_Gain

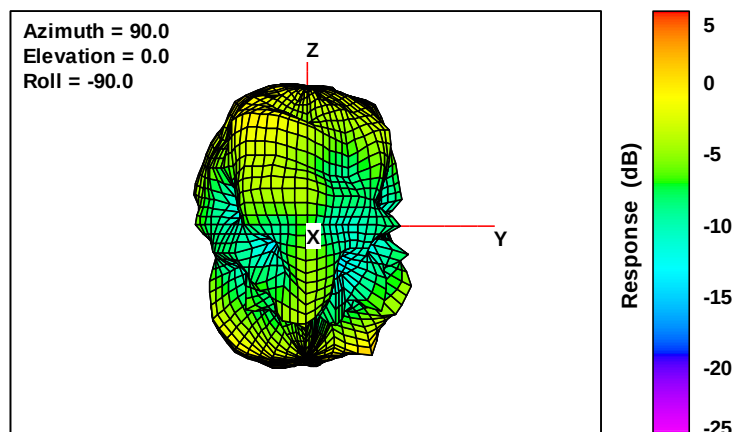
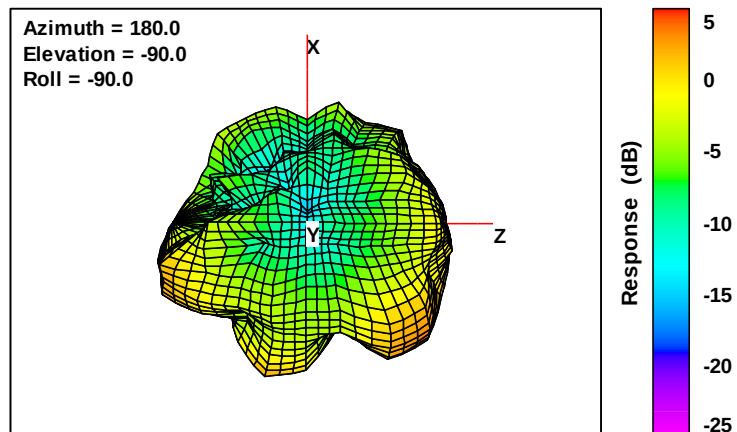
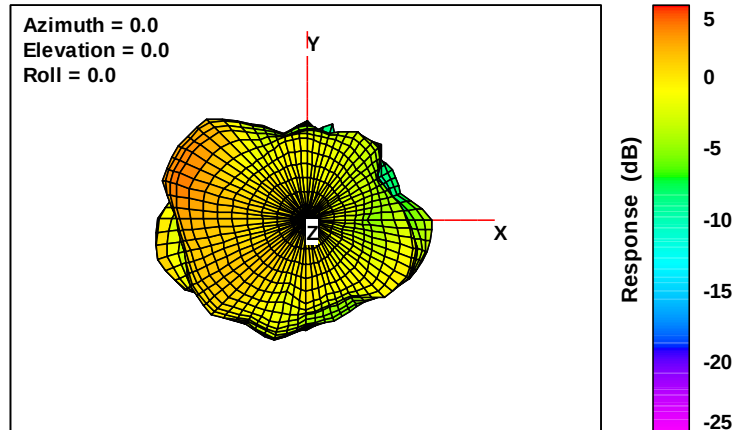
2475MHz



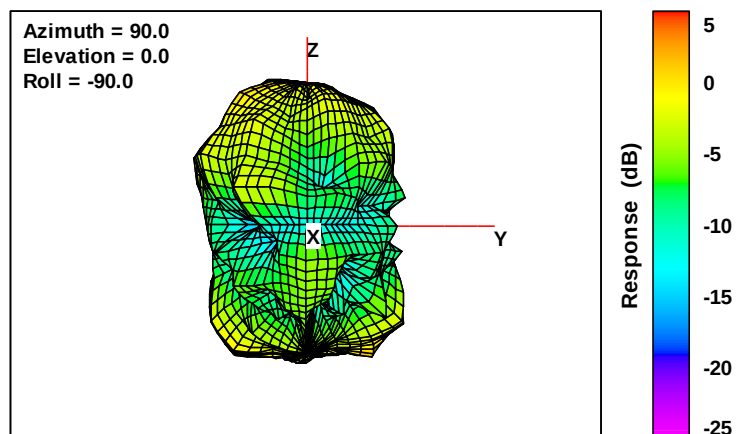
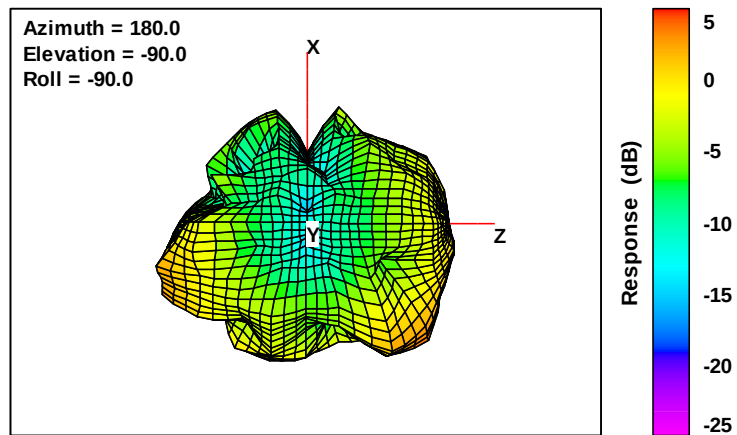
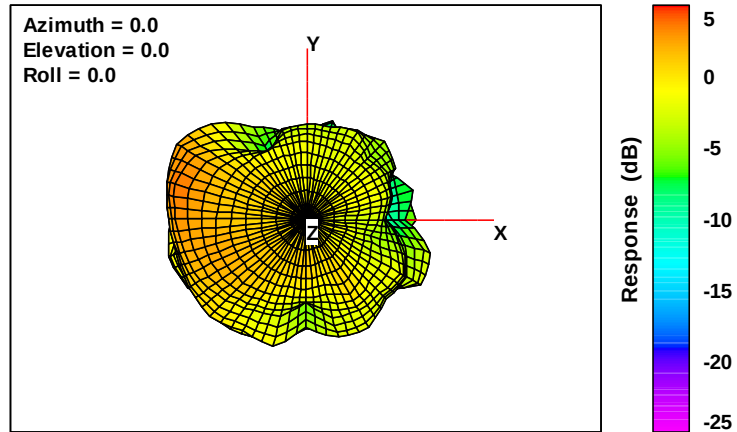
5150MHz



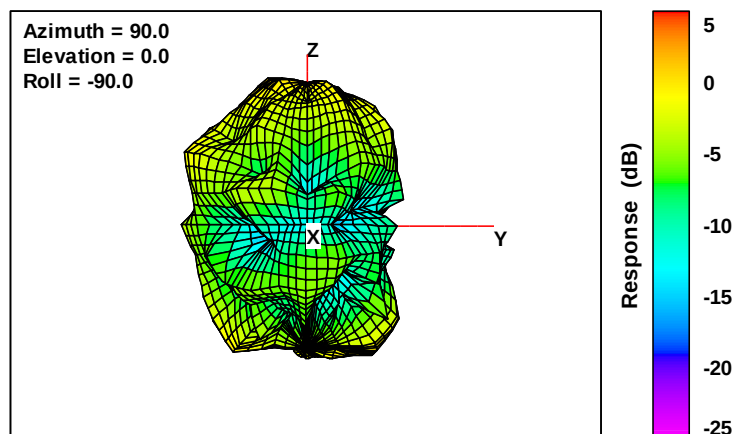
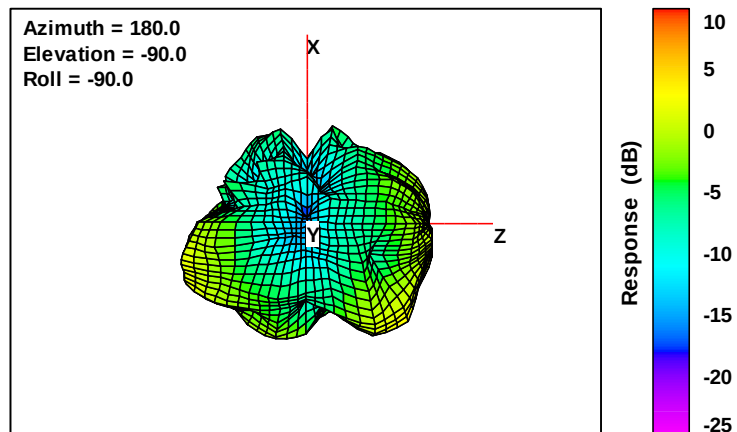
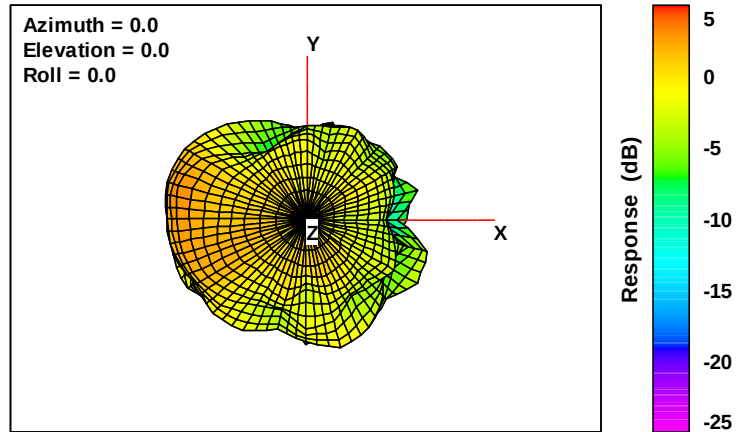
5250MHz



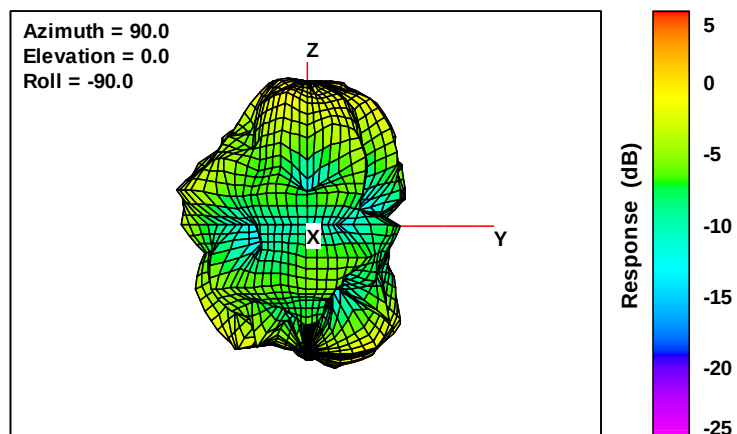
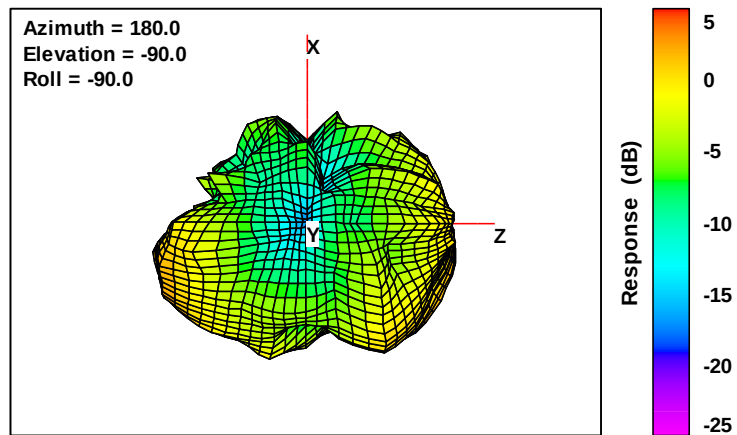
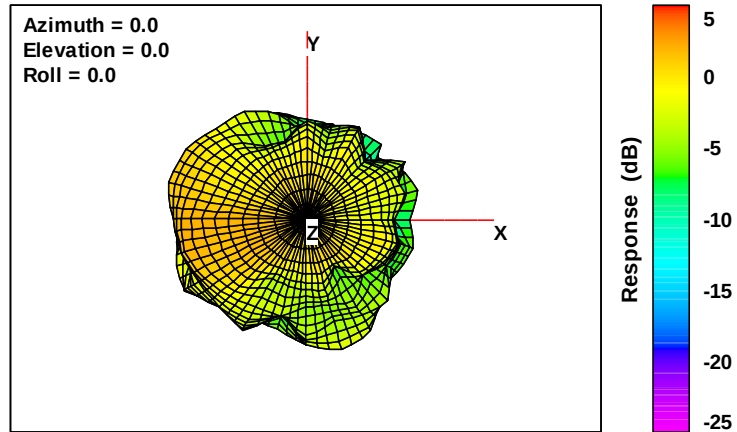
5575MHz



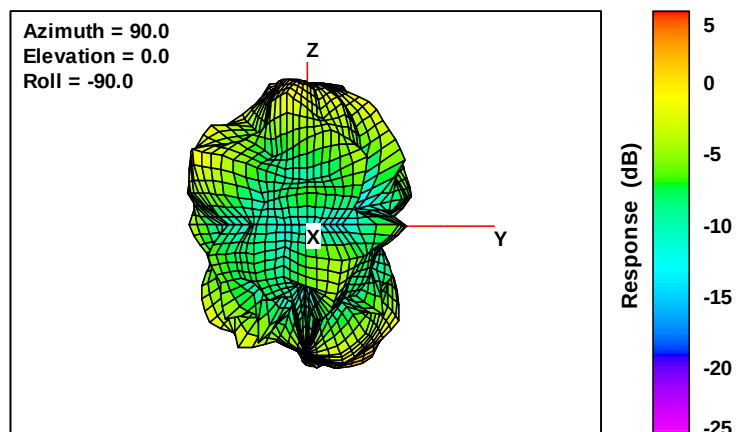
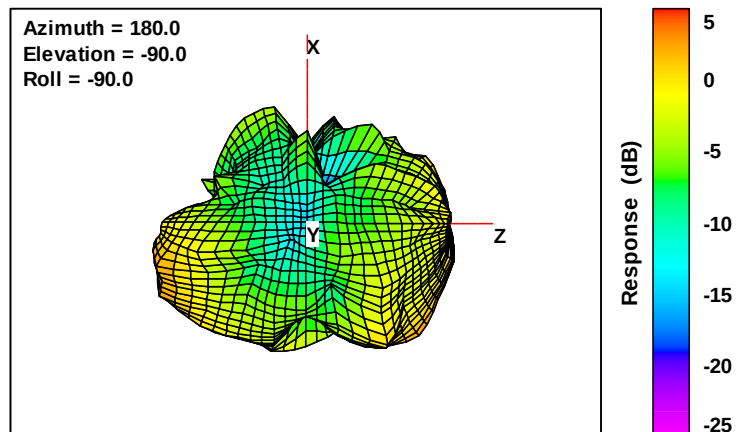
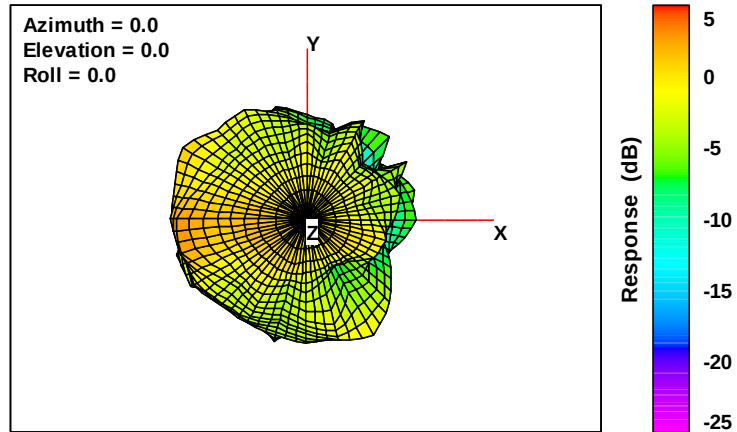
5725MHz



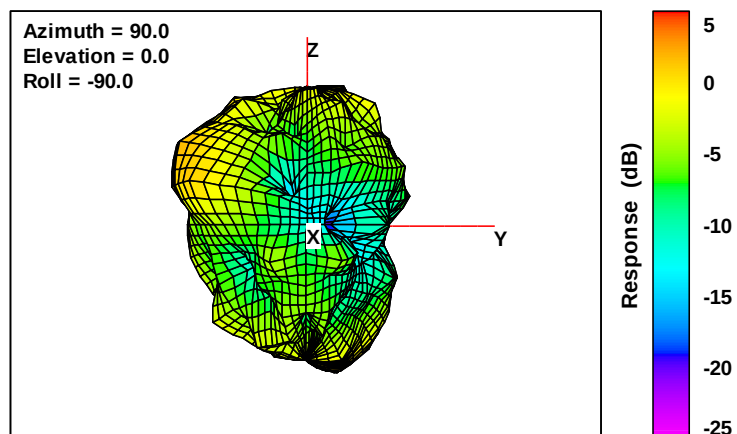
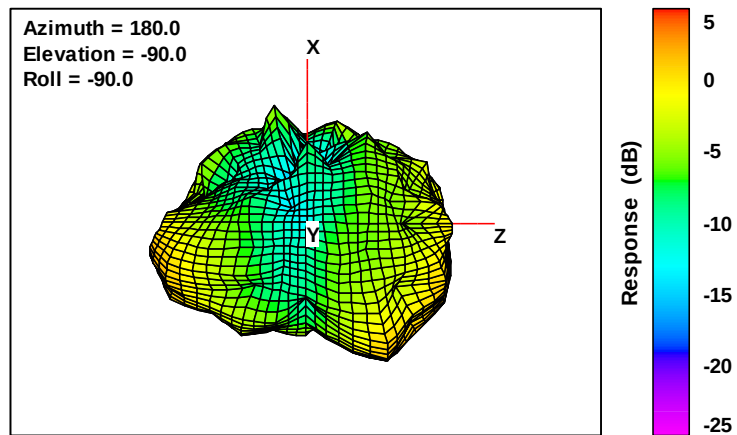
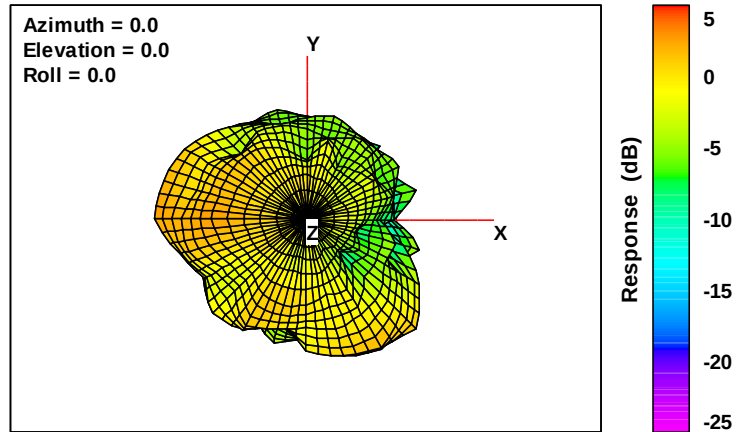
5875MHz



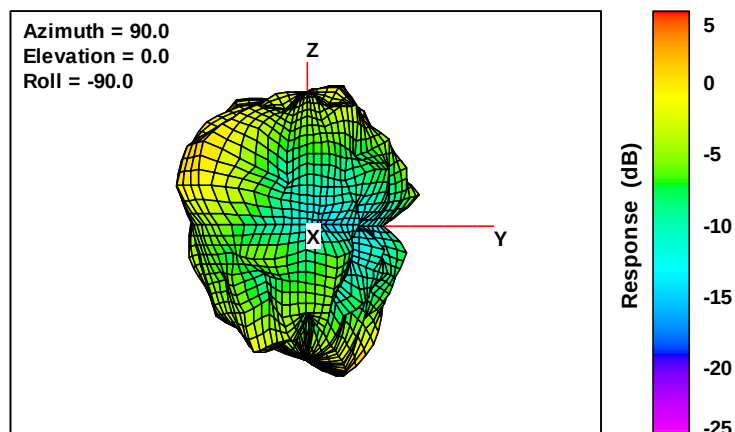
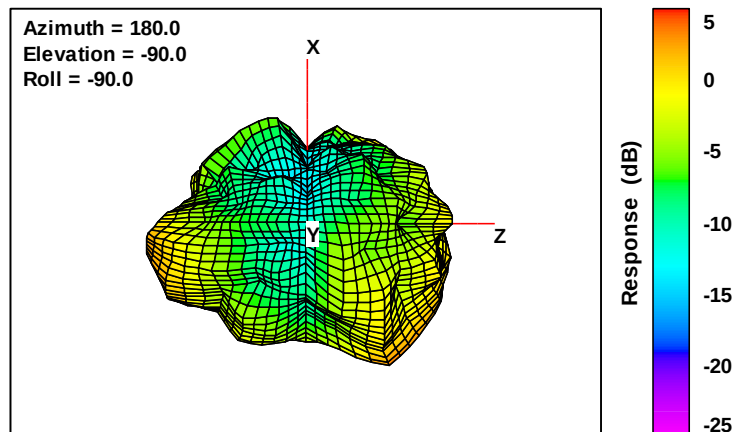
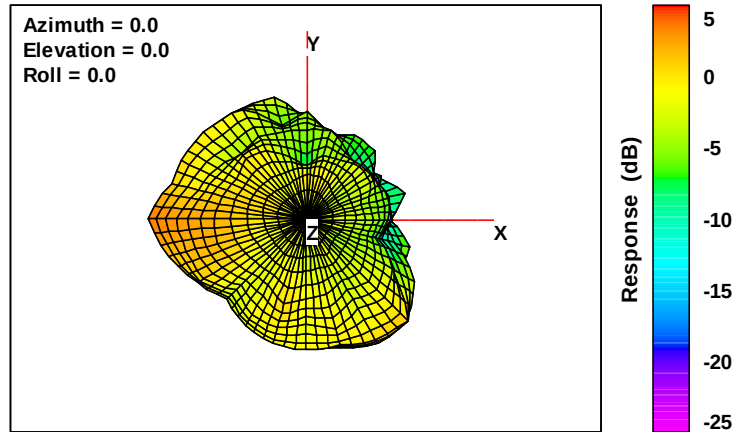
6025MHz



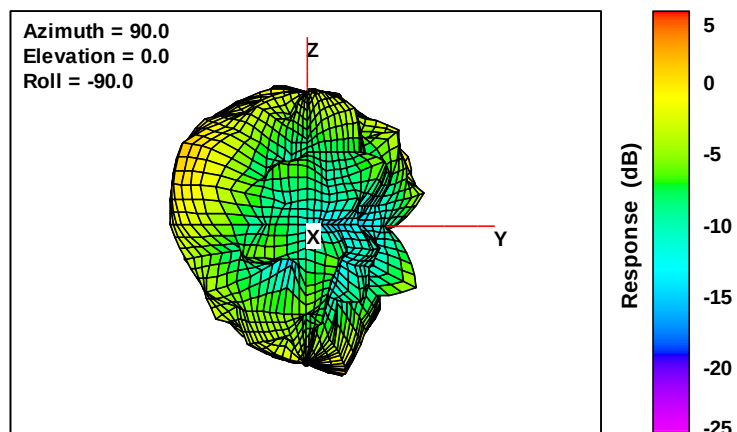
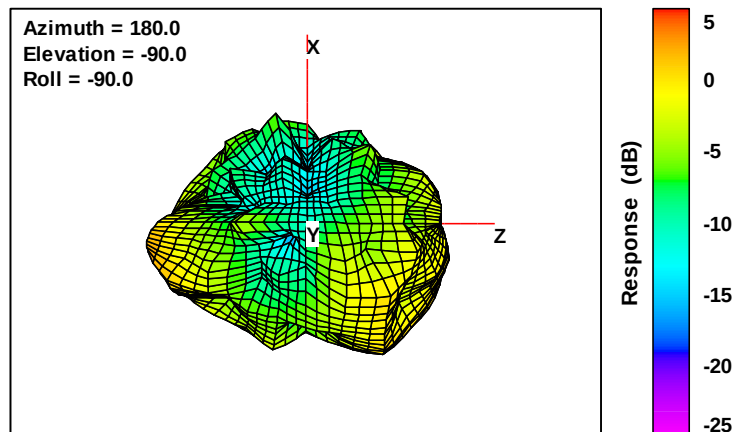
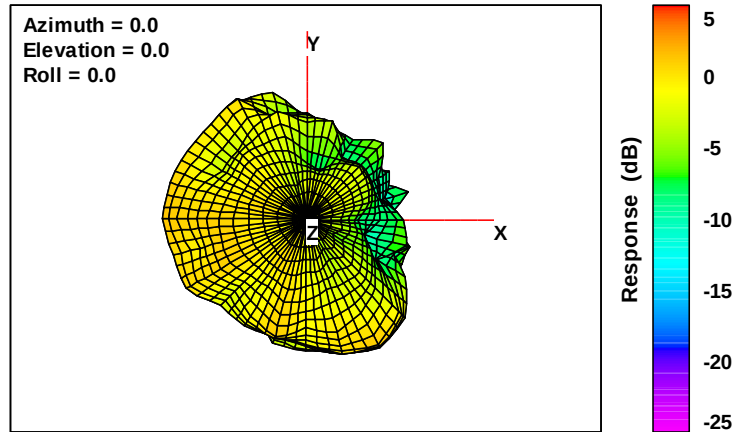
6525MHz



6700MHz

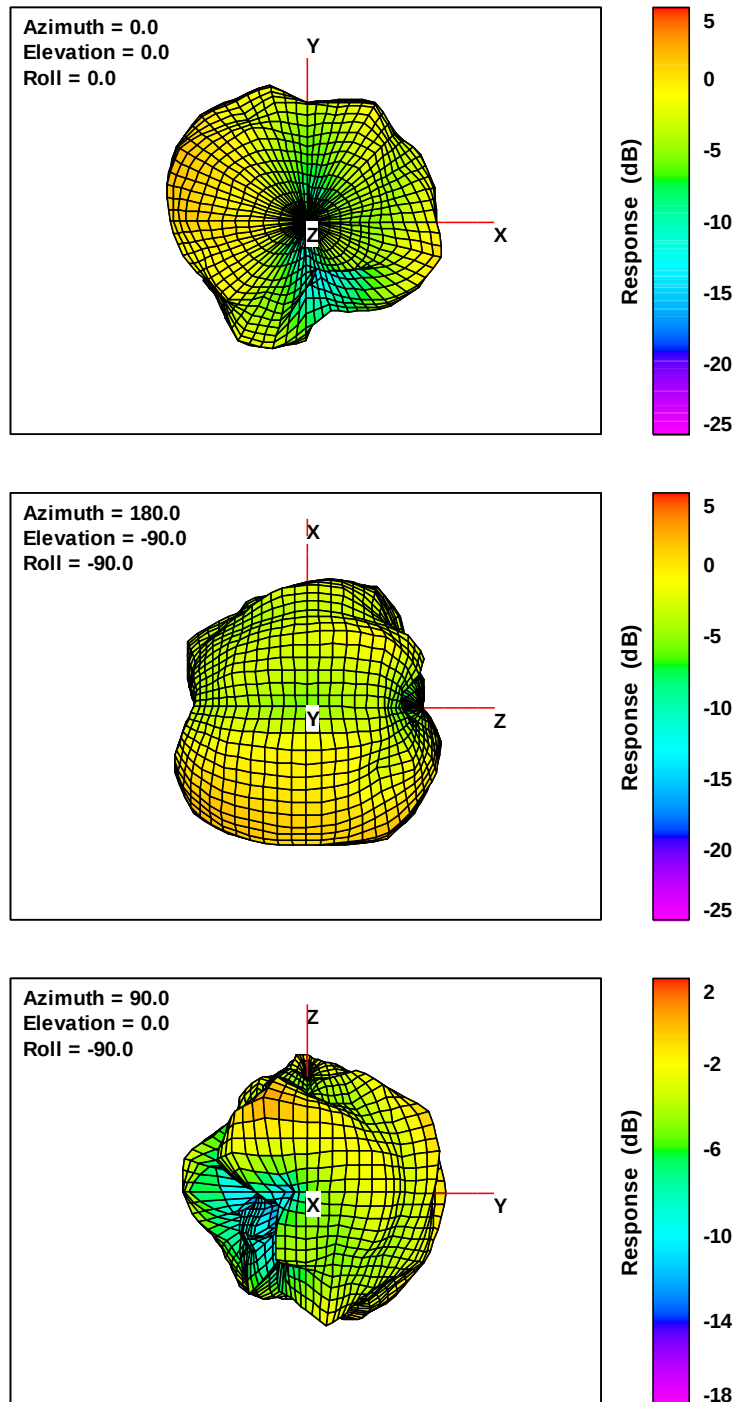


6875MHz

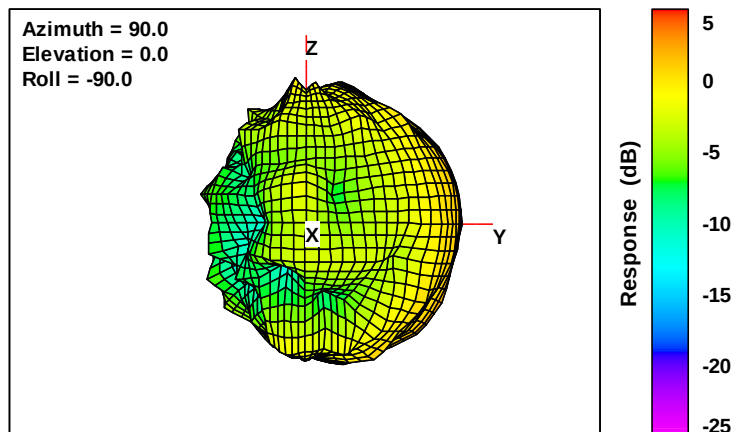
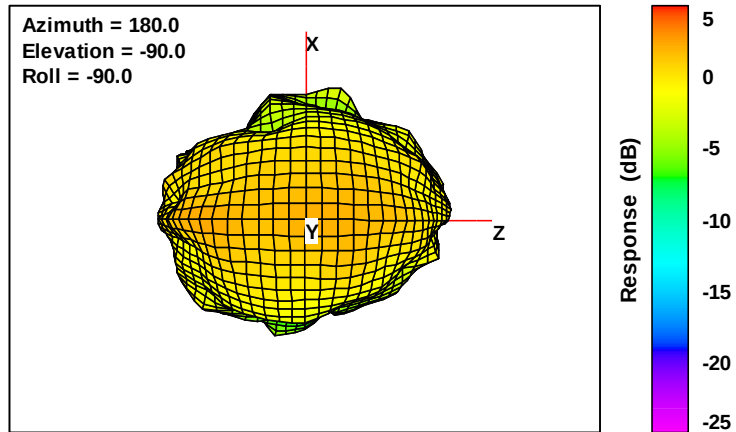
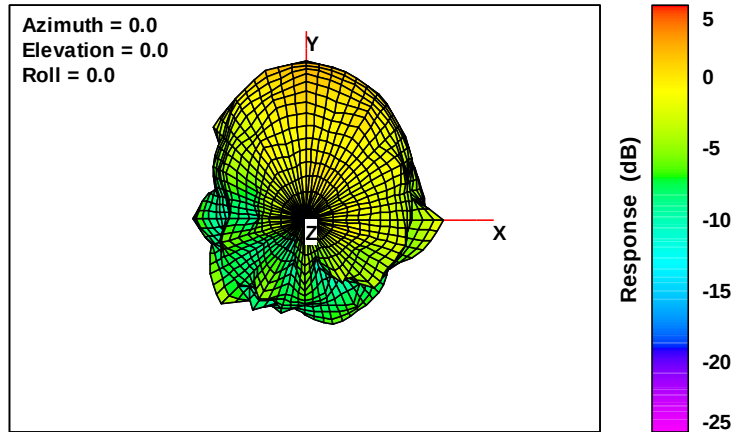


Appendix A.1.2 Aux_Gain

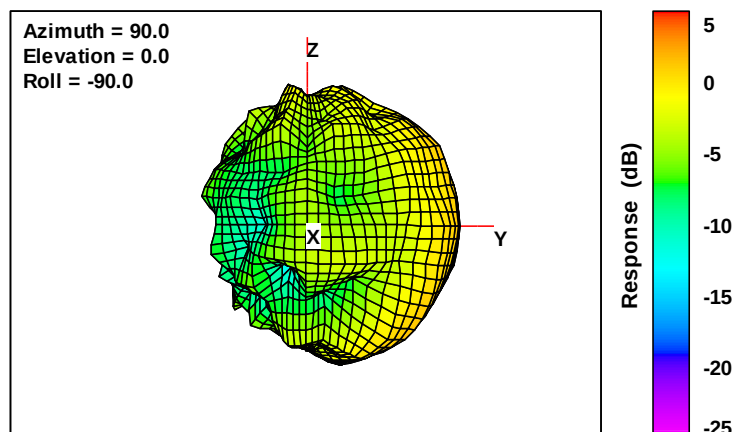
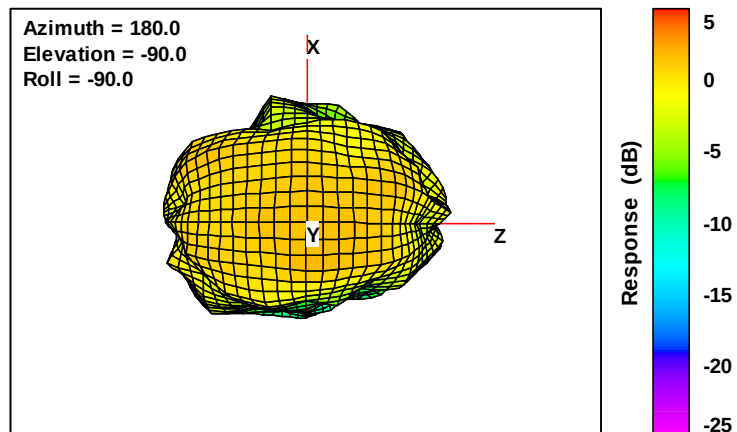
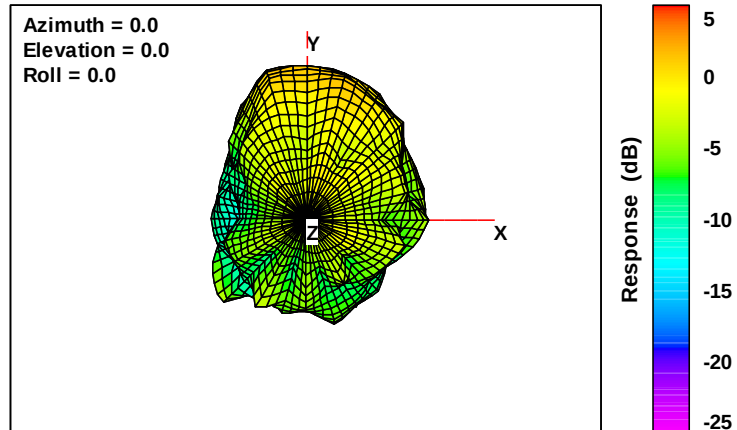
2475MHz



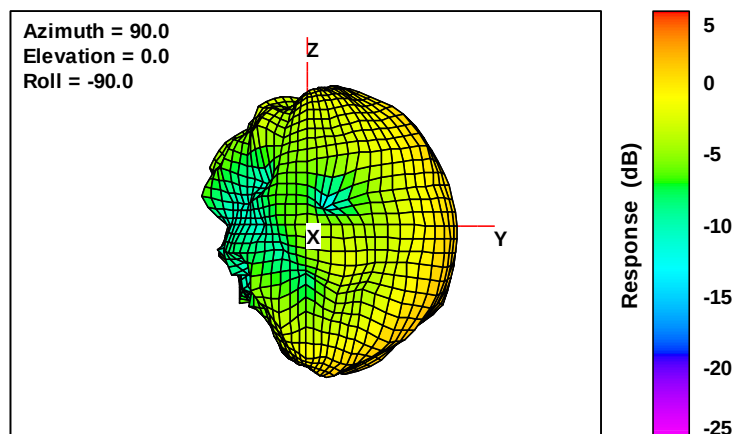
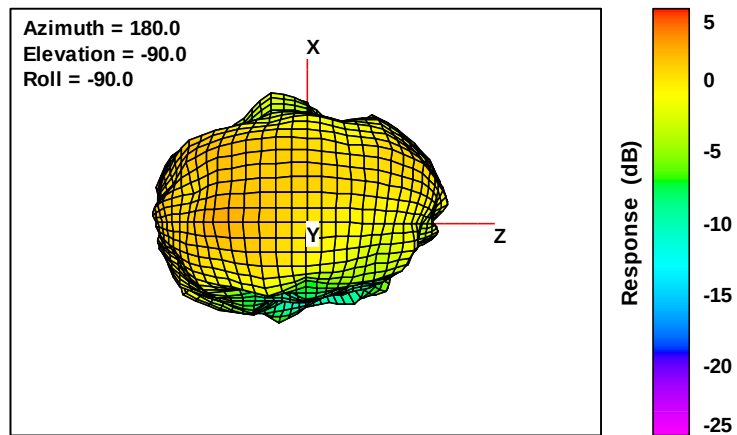
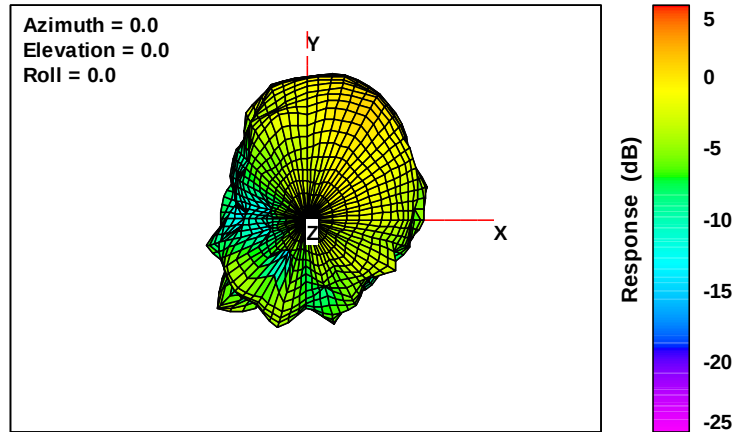
5150MHz



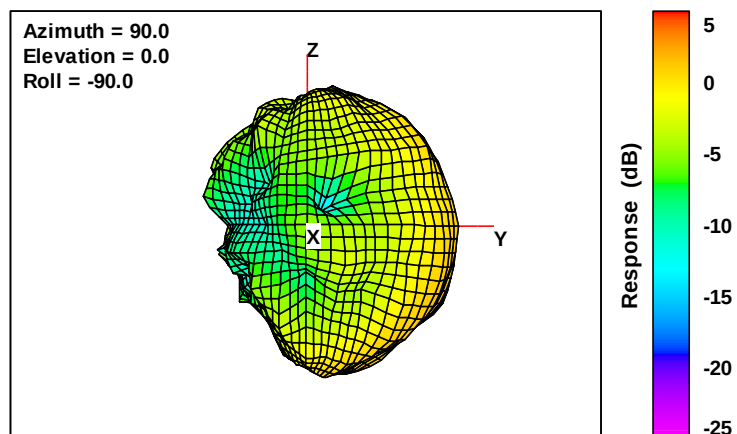
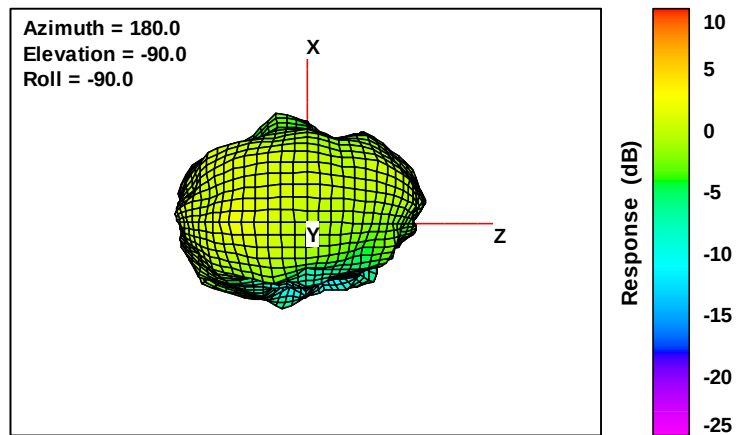
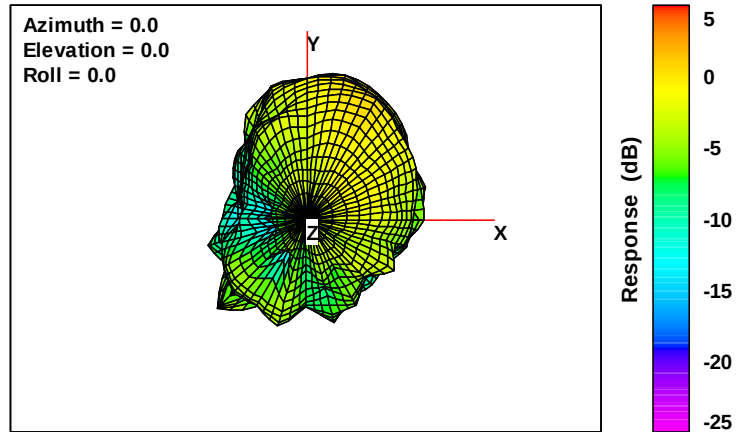
5300MHz



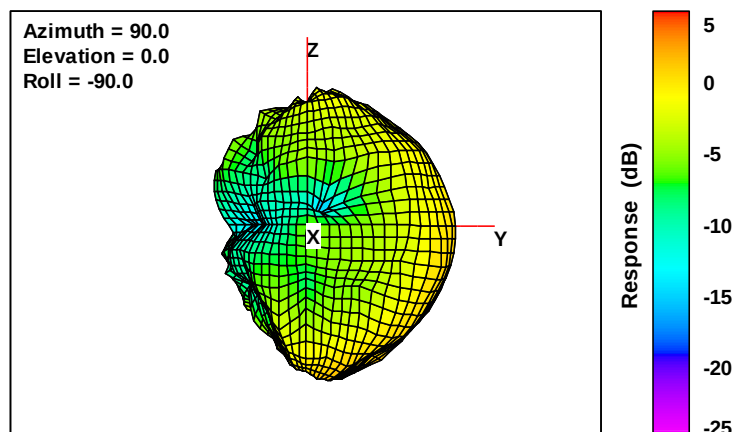
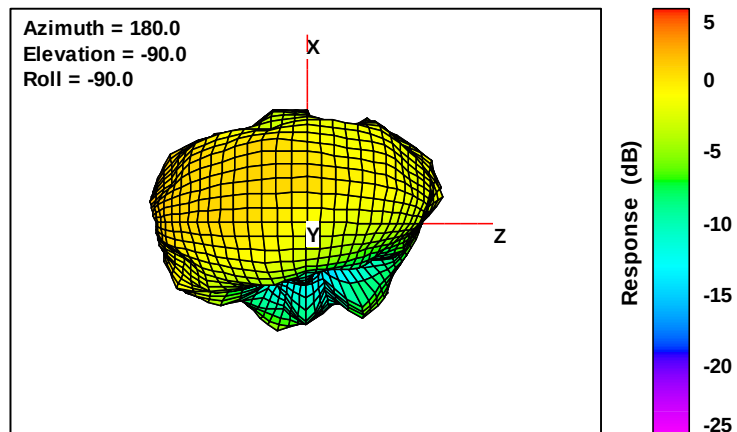
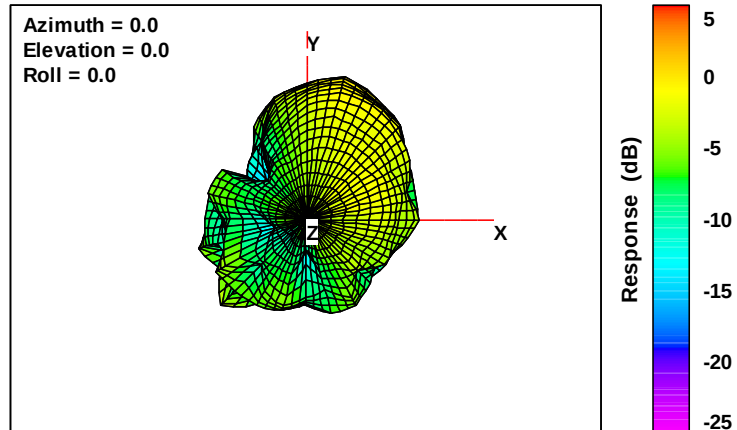
5700MHz



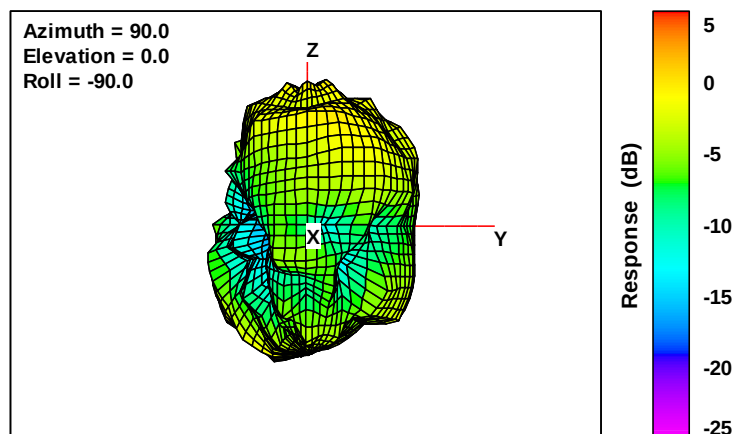
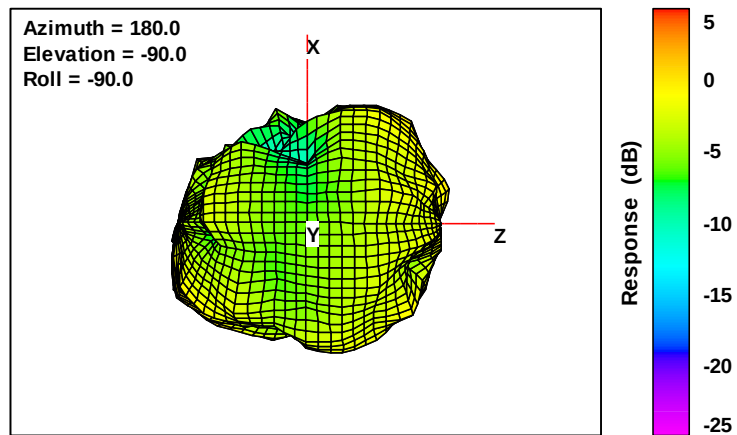
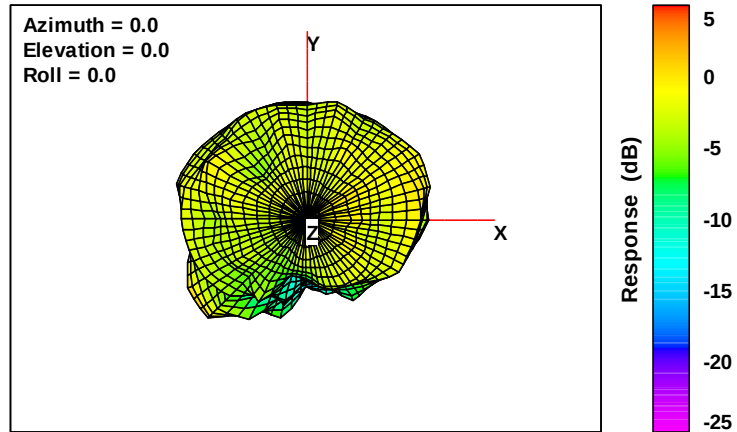
5725MHz



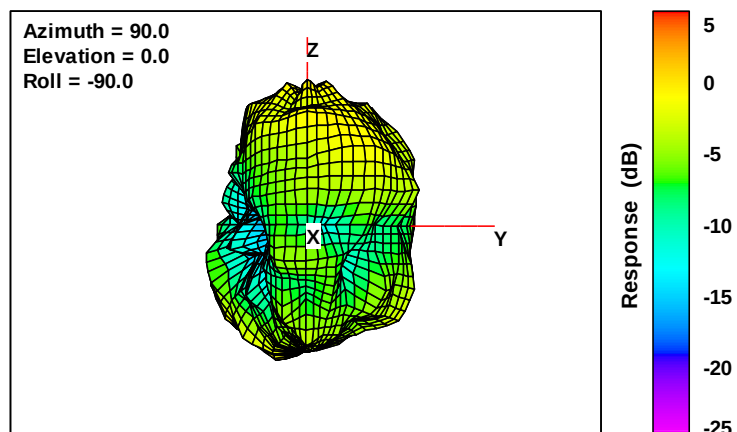
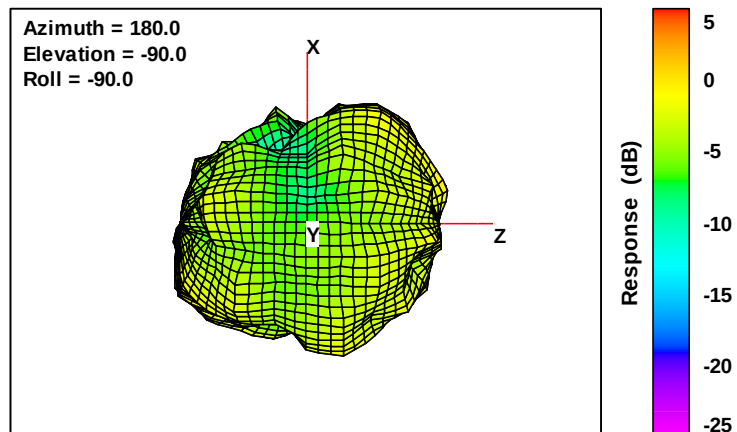
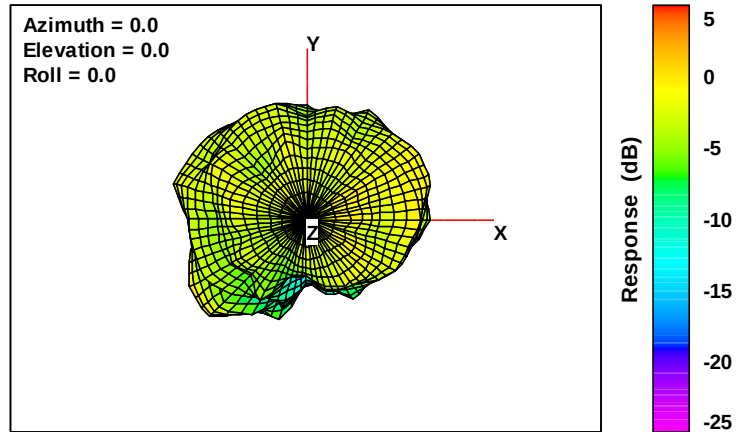
5875MHz



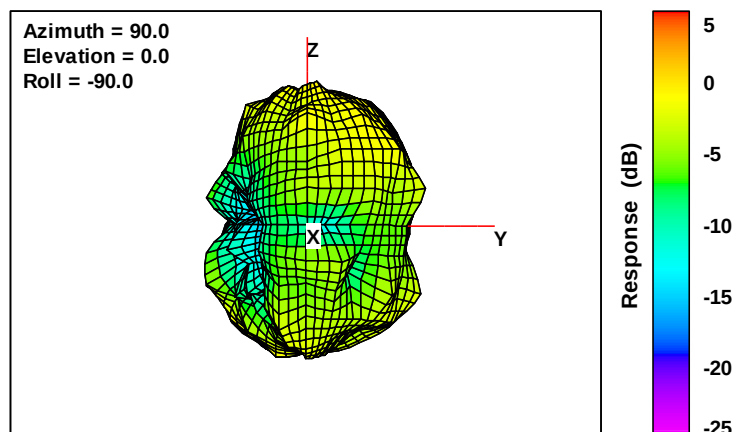
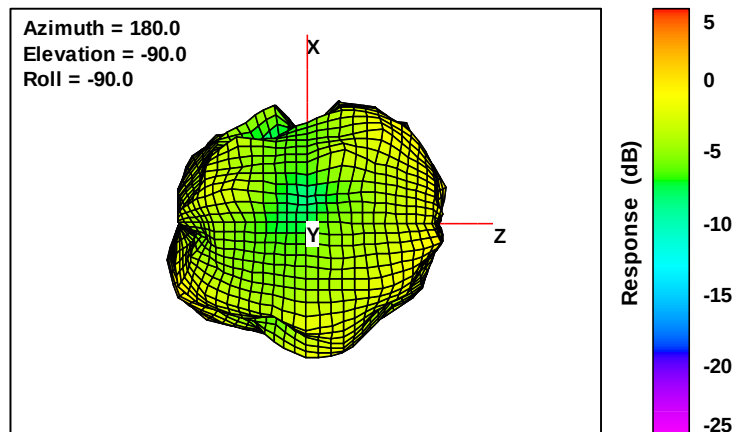
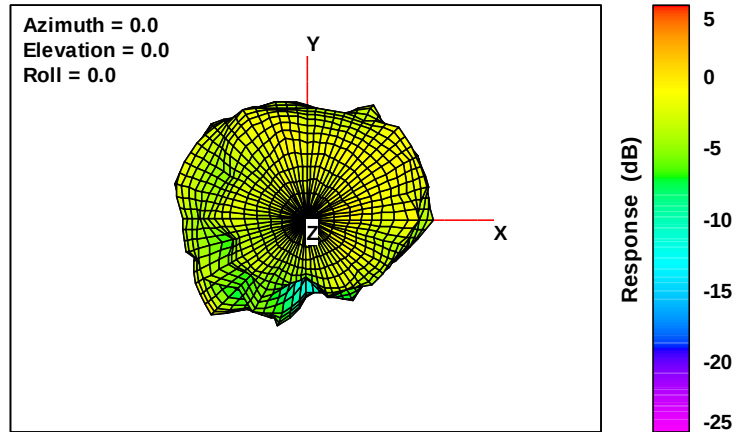
6375MHz



6425MHz



6550MHz



6875MHz

