

Regulatory Antenna Information

English Language Required

Platform information									
Brand		ODM		****End product model name					
SumUp inc		Wistron Corp.		R0DT5NB00-CN					
****Please fill in exact product model name and make sure the model name is visible on product cover or any parts for end users recognize for authority inspection.									
Antenna information									
Vendor		Type		Antenna Part number (Main)			Antenna Part number (Aux)		
Molex Interconnect (Shanghai) Co., Ltd		Monopole		2181620101			2181620201		
Address									
No.889, Yinglun Road, Waigaoqiao Free Trade Zone, Shanghai, P. R. China									
Peak gain w/ cable loss (dBi)*									
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz				
Main	3.15	2.18	2.40	1.96	1.51				
Aux	3.09	3.55	3.12	1.33	2.12				

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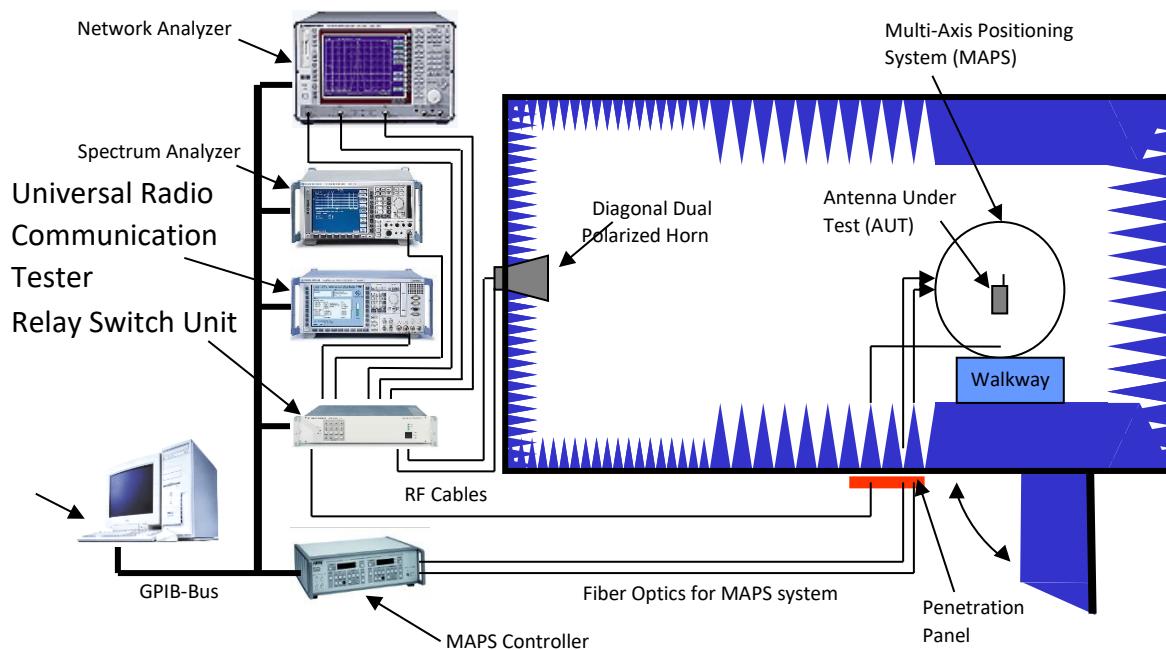
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1. Applicable test methods

This test report is prepared for host antenna testing under a Full Anechoic Chamber.

2. Test & System Description

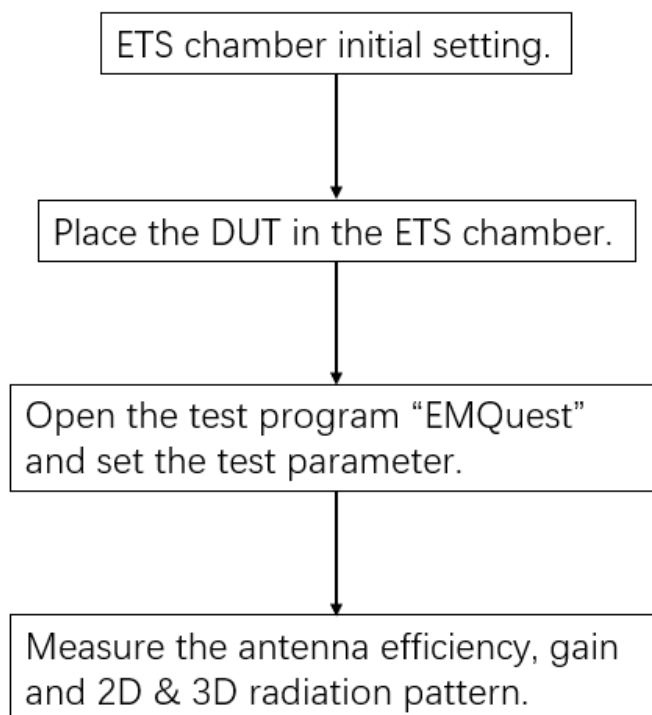
a. Test setup



b. Equipment list

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
Network Analyzer	Agilent	E5071C	MY46101560	2022/1/30	2023/1/30
Spectrum Analyzer	ROHDE&SCHWARZ	FSP	100878	2022/4/7	2023/4/7
Broad-Band Horn Antenna	ETS-LINDGREN	Model 3102	SN00066947	2022/8/25	2023/8/25
Broad-Band Horn Antenna	ETS-LINDGREN	Model 3164-03	SN00064049	2022/8/25	2023/8/25
Turn Table	ETS-LINDGREN	Model 2090	SN00105913	N/A	N/A
Controller	ROHDE&SCHWARZ	TS-RSP	100331	N/A	N/A
Chamber	ETS-Lindgren	AMS-8500	4063	2022/8/25	2023/8/25

c. Test setup



d. Chamber information



- **ETS-Lindgren AMS-8500 Antenna Measurement System**
- **Frequency Range: 400MHz~6GHz**
- **Overall Dimensions(L x W x H):**
7.5 m x 3.9 m x 3.9 m
- **Software: EMQuest**
- **Calibration Date: 2022/8/25**

e. Test information

Tester	Liu Hai
Test Date	2022/11/25
Test Software	EMQuest

Antenna Information

Section 1. Antenna Assembly Specifications

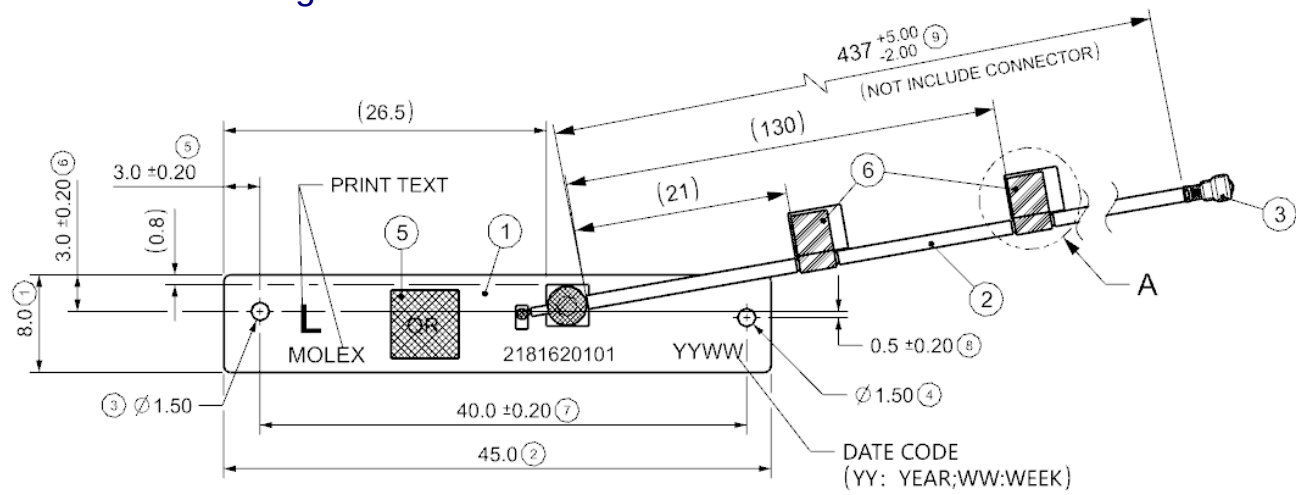
1A	1B	1C	1D		1E	1F	1G	1H
Antenna Part Number	Manufacturer	Antenna Type	Cable Assembly Part Number and Information	Freq Range MHz	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
(P/N: 2181620101) Main Antenna	Molex Interconnect (Shanghai) Co., Ltd	Monopole	NA	2400-2483.5	3.15	4.33	2.1	1.18
				5150-5250	2.18	3.97	2.2	1.79
				5250-5350	2.4	4.23	1.62	1.83
				5470-5725	1.96	3.85	1.65	1.89
				5725-5850	1.51	3.43	1.97	1.92
(P/N: 2181620201) Aux Antenna	Molex Interconnect (Shanghai) Co., Ltd	Monopole	NA	2400-2483.5	3.09	4.2	1.74	1.11
				5150-5250	3.55	5.24	1.81	1.69
				5250-5350	3.12	4.85	1.88	1.73
				5470-5725	1.33	3.1	2.39	1.77
				5725-5850	2.12	3.93	2.31	1.81

- 3D Antenna Peak Gain required being test in system basis.

Section 2. Dimensioned Photos and Drawings of Antennas

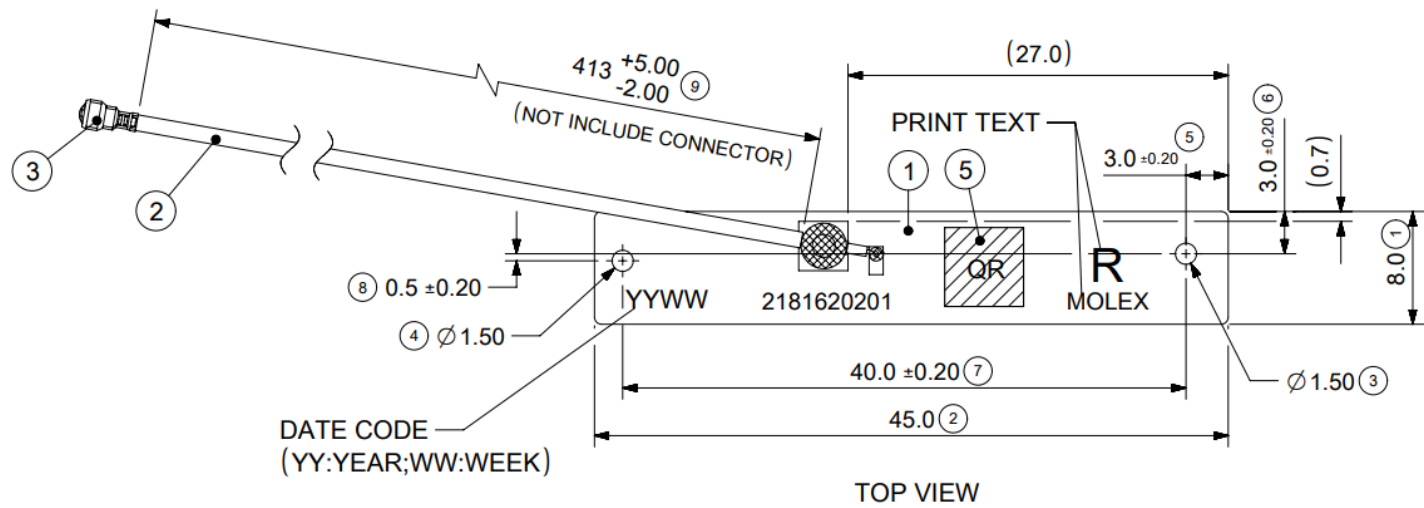
Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:

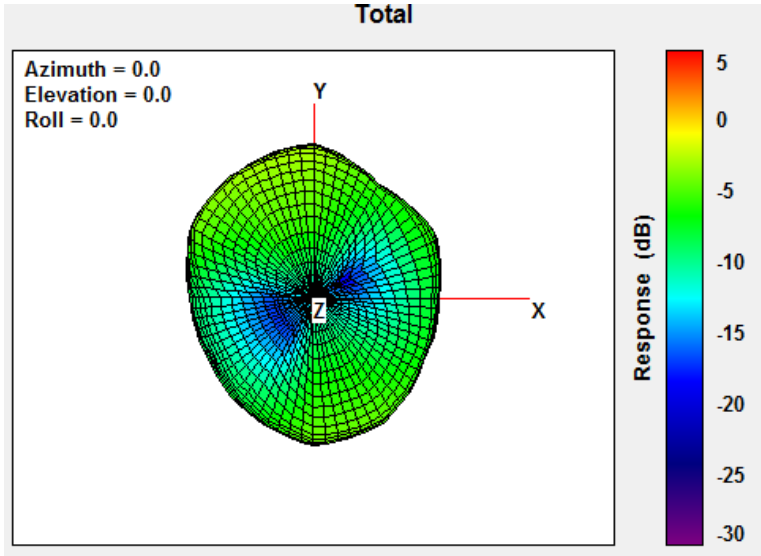


Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

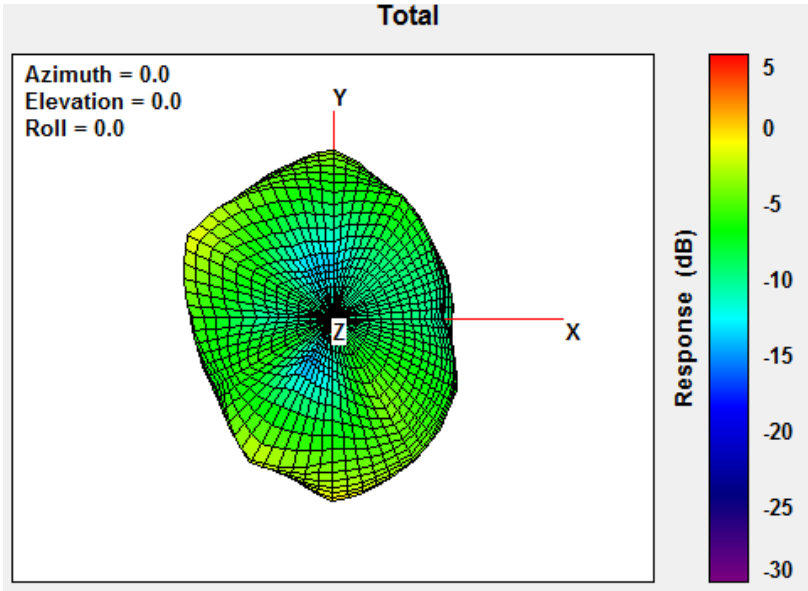
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	3.15



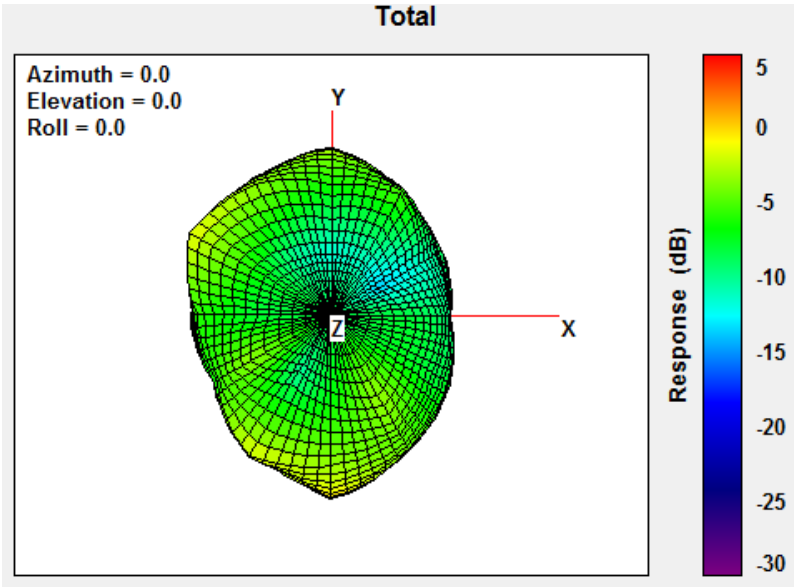
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.18



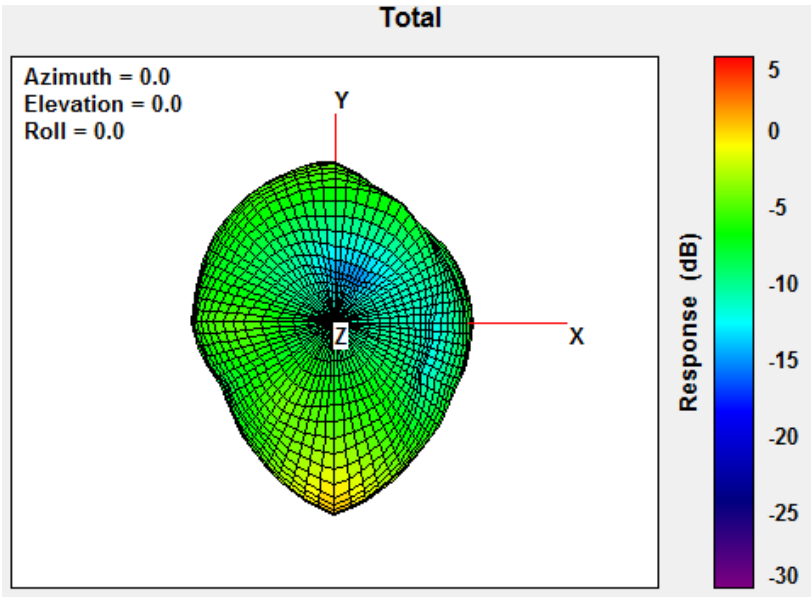
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.40



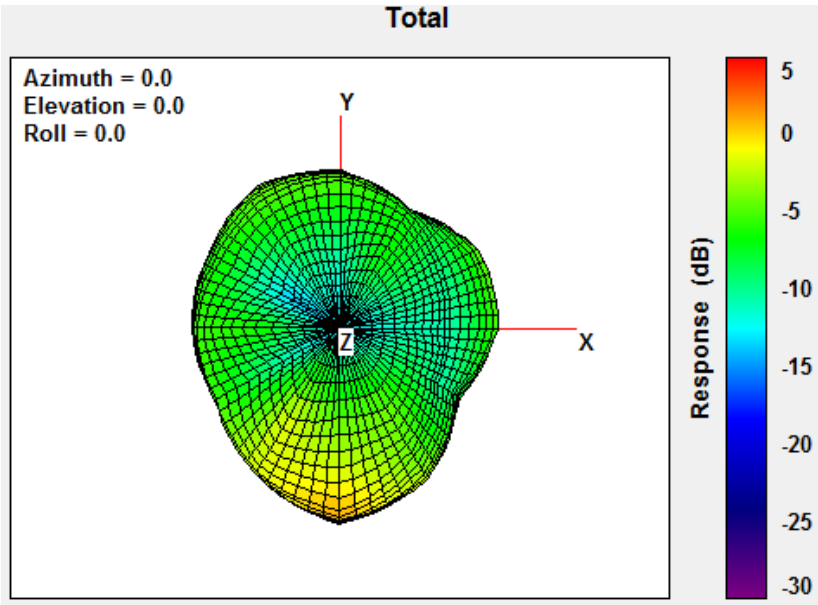
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	1.96



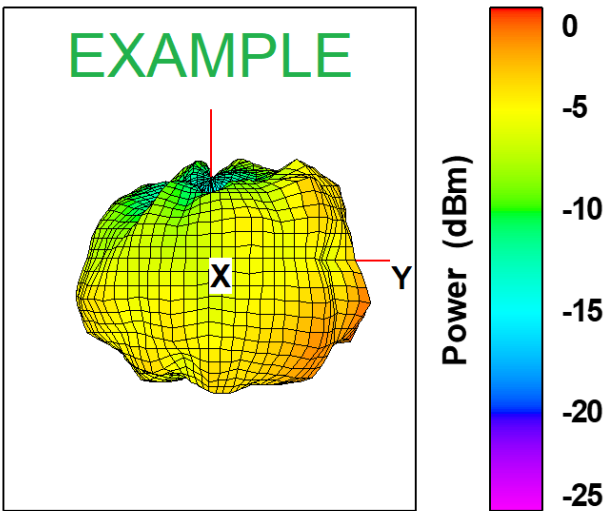
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	1.51



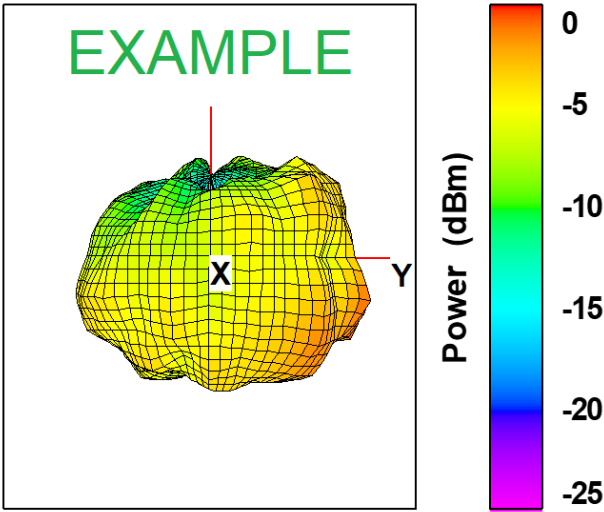
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	X.XX



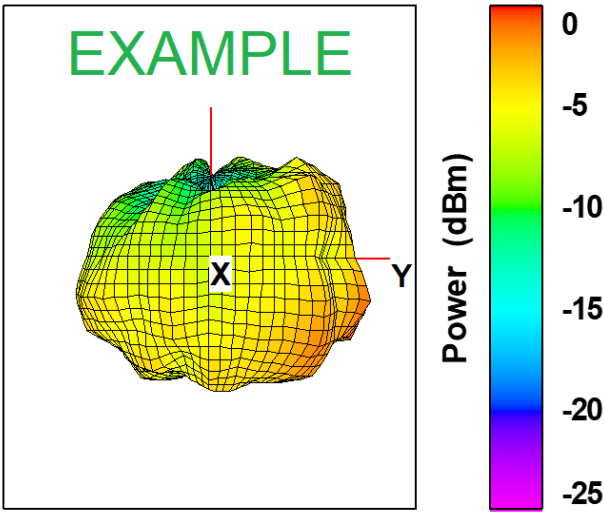
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	X.XX



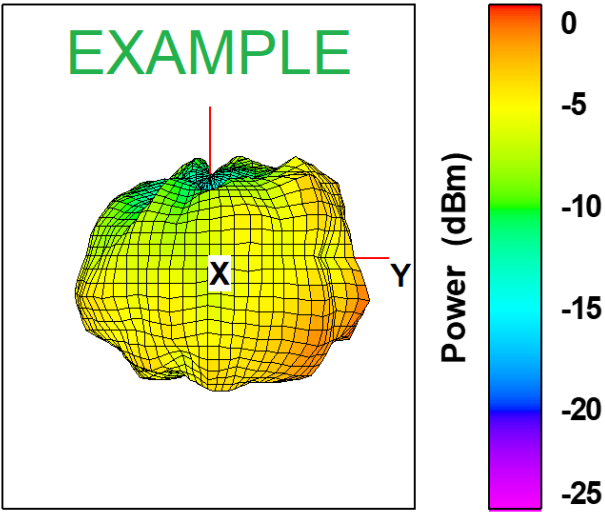
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	X.XX



Max Antenna 3D Radiation Pattern 6875-7125 MHz

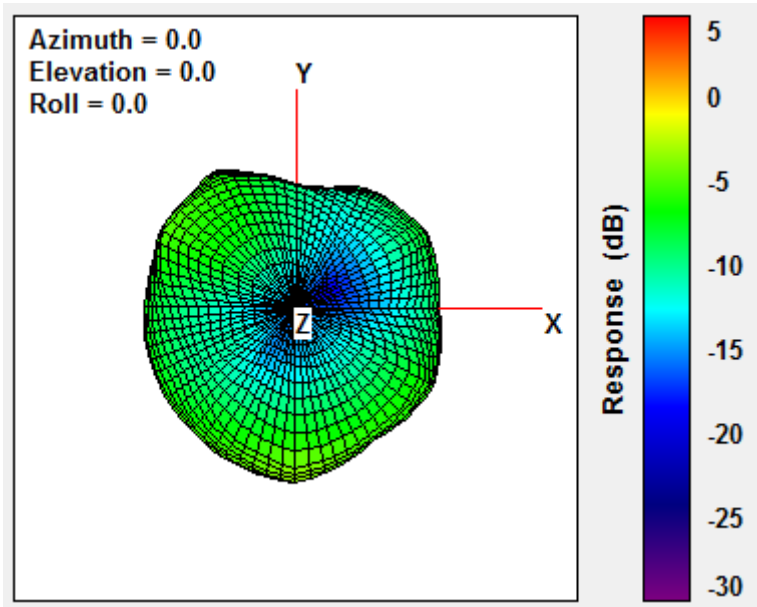
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	X.XX



Auxiliary Antenna

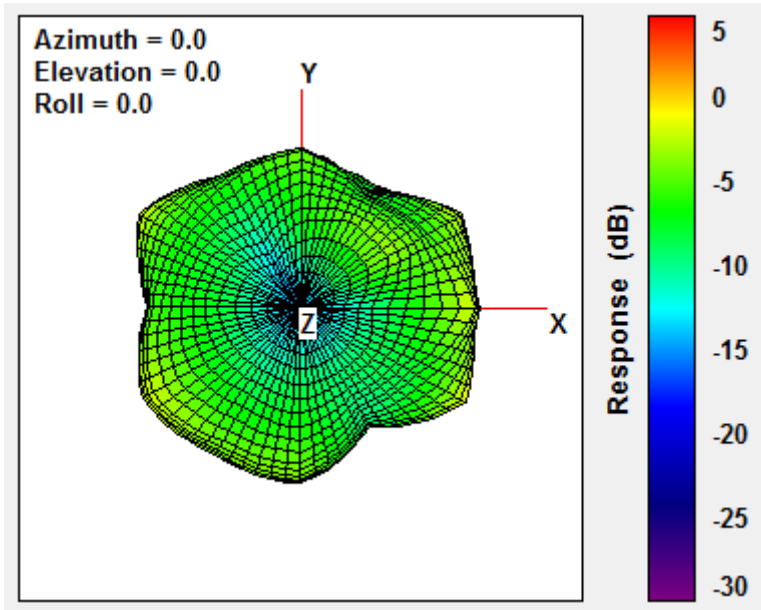
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	3.09



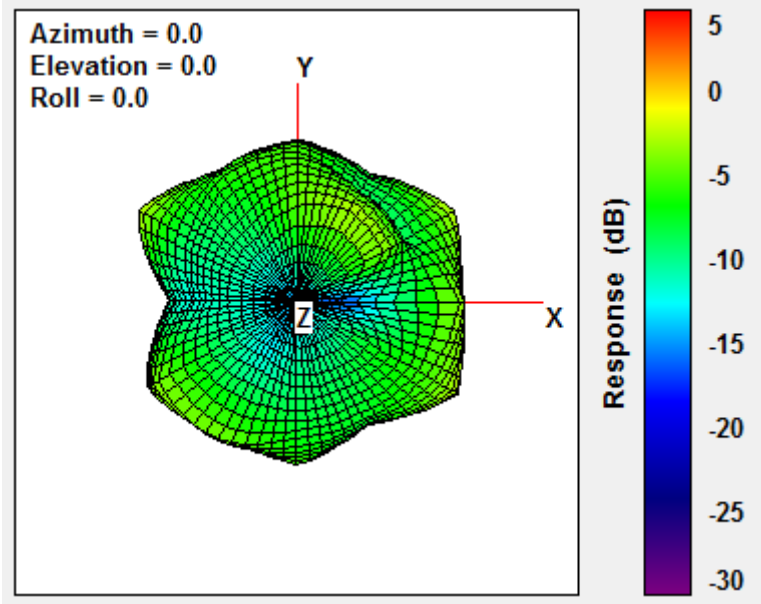
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	3.55



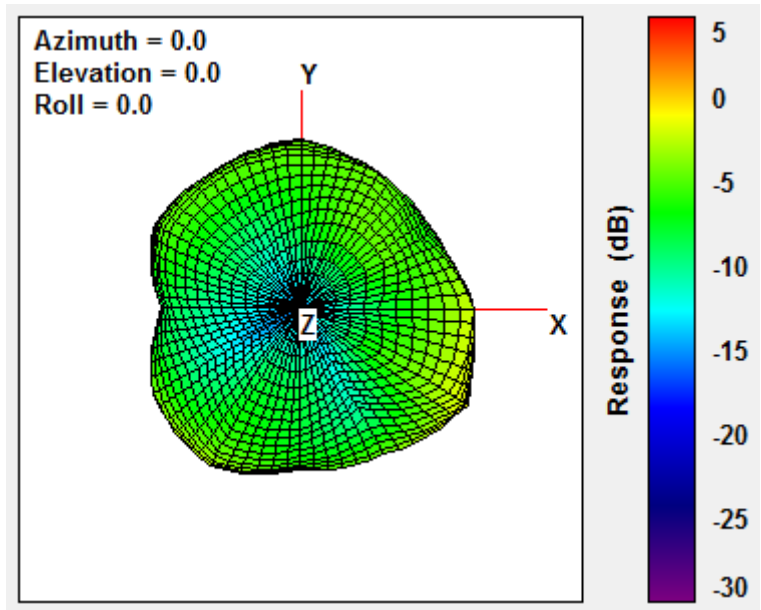
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	3.12



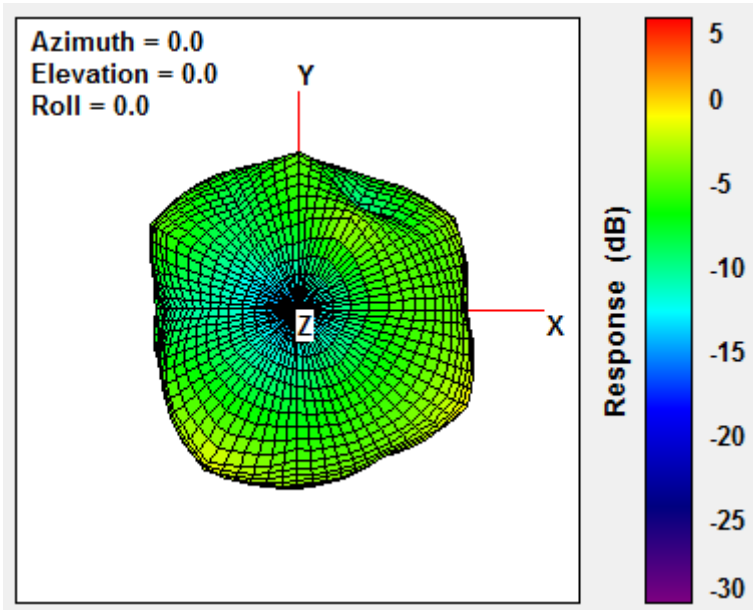
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	1.33



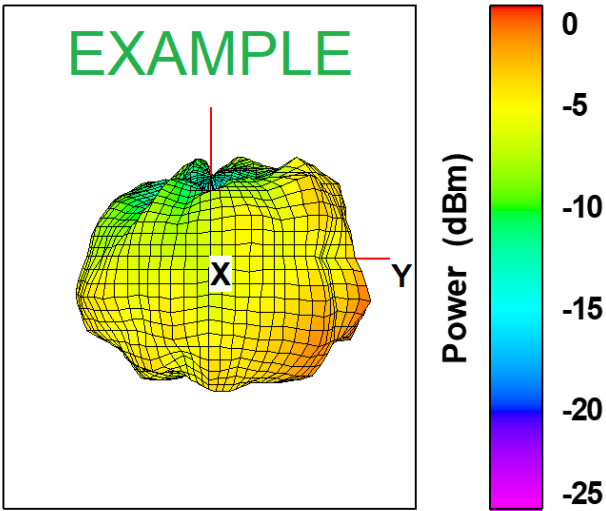
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.12



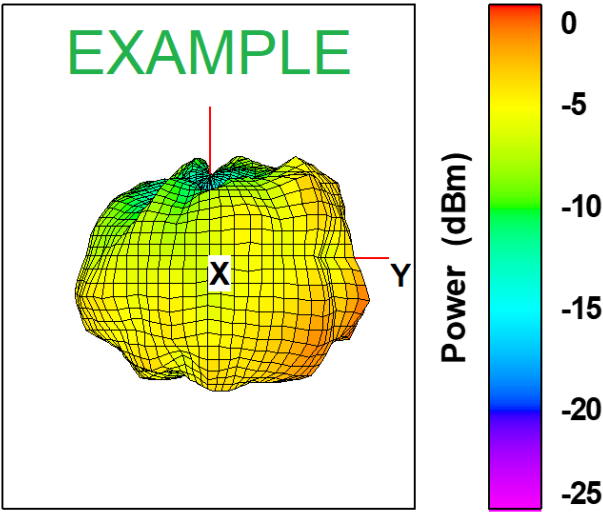
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	X.XX



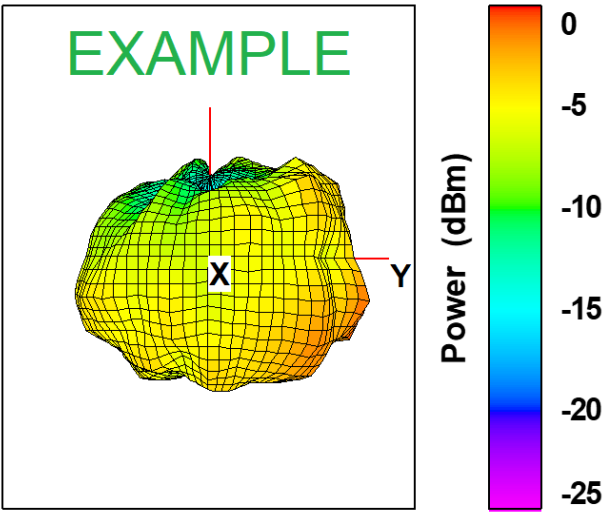
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	X.XX



Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	X.XX



Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	X.XX

