

Regulatory WLAN Antenna Information

English Language Required for Intel Regulatory Review / Approval

Platform information					
Brand	ODM	****End product model name	Intel platform (ex: Yes, No or NA)	Platform type (ex: regular NB, convertible PC, AIO...etc)	*SAR minimum separation (mm)
Vivint	Chicony	Coati	NA	Indoor Security Camera	
****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)	
Amphenol	PIFA	CY5922-11-001-C		CY5922-12-002-C	
Peak gain w/o cable loss (dBi)*					
	2.4GHz 2400-2500MHz	5.2GHz 5150-5350MHz	5.5GHz 5470-5725MHz	5.8GHz 5725-5850MHz	
Main	1.33	3.32	2.89	3.26	
Aux	1.77	3.73	3.86	4.09	
Peak gain w/ cable loss (dBi)*					
Aux	1.67	3.33	3.46	3.68	
Notes (marked with *)					
* SAR minimum separation (mm)					
- Regular NB: Minimum antenna-to-body (from antenna bottom to the bottom of the device)					
- Tablet / Convertible PC: Minimum antenna-to-edge (5 sides of the device)					
- Mini-tablet: Minimum antenna-to-edge (6 sides of the device)					
* 3D Peak Antenna gain should be equal or greater than -2 dBi					
- If a host integrator plans to use a lower gain antenna of the same type, additional CBP(FCC)/EDT(EU) testing need to be performed while the module is installed in the host.					
Manufacturing address: No. 689, Shennan Road, Minhang District, Shanghai					

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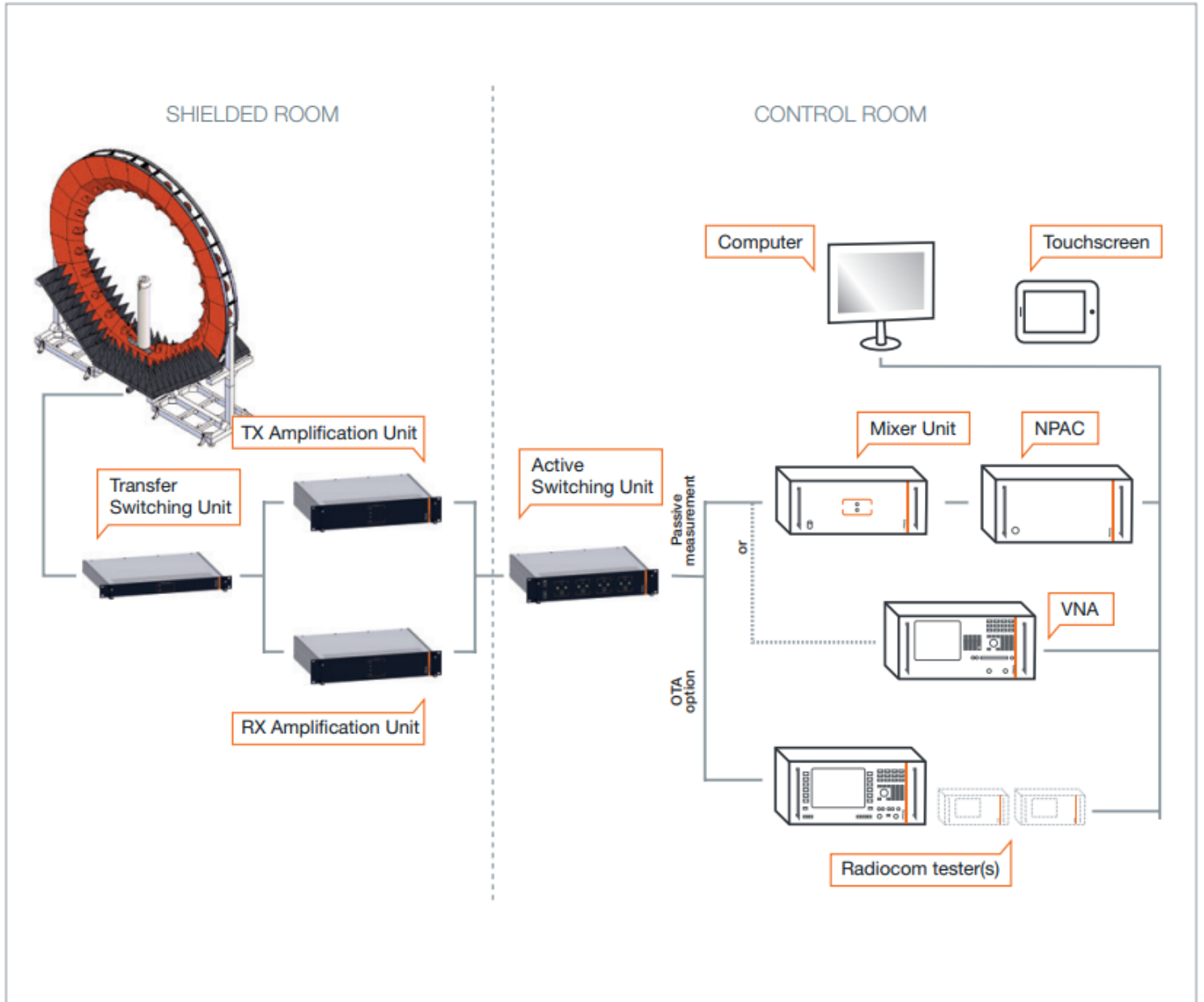
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1. Applicable test methods

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

2. Test & System Description

a. Test setup



b. Equipment list

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0001	Anechoic Chamber	SG24	-	SATIMO	2022-11-7	2023-11-7
0002	Turn Table	SATIMO	-	SATIMO	N/A	N/A
0003	Switch & Positioning systems	SATIMO	-	SATIMIO	N/A	N/A
0004	Horn antenna	SH400	-	SATIMIO	N/A	N/A
0005	Dipole antenna	SD740 SD880 SD1575 SD1800 SD2050 SD2450 SD5000 WD6000	-	SATIMIO	N/A	N/A
0006	Cable 1m – 40MHz to 26.5GHz	SUCOFLEX_101_PE	-	HUBER+SUHNER	N/A	N/A
0007	Spectrum Analyzer	N5230a	-	Agilent	2022-6-5	2023-6-5

Antenna Information

Section 1. Antenna Assembly Specifications

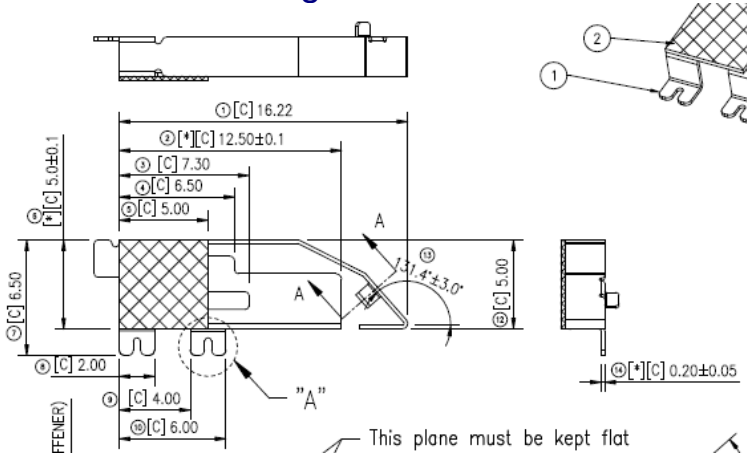
1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E * Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
(P/N: CY5922-11-001-C) Main Antenna	Amphenol	PIFA	NA	2400-2500		1.33	2	
				5150-5350		3.32	2	
				5470-5725		2.89	2	
				5725-5850		3.26	2	
(P/N: CY5922-11-002-C) Aux Antenna	Amphenol	PIFA	Example: (P/N: CY5922-11-002-C) 50 ohm Coaxial length: 70mm diameter: 1.13mm	2400-2500	1.67	1.77	2	0.1
				5150-5350	3.33	3.73	2	0.4
				5470-5725	3.46	3.86	2	0.4
				5725-5850	3.68	4.09	2	0.41

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

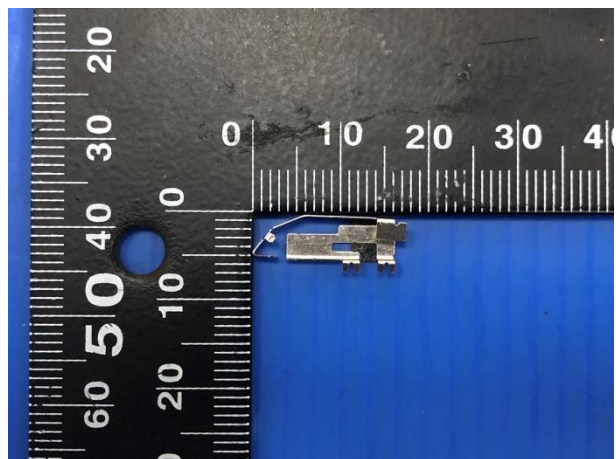
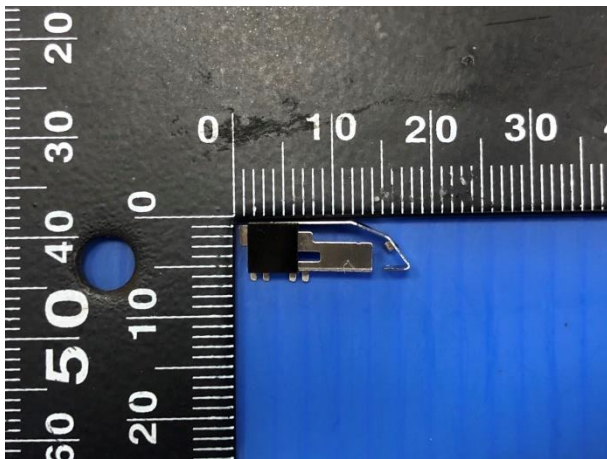
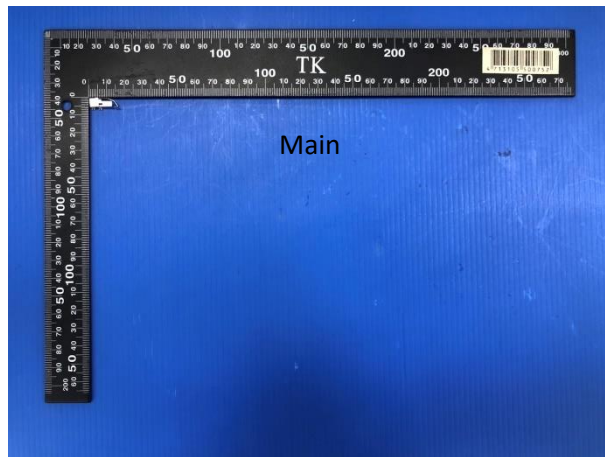
Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



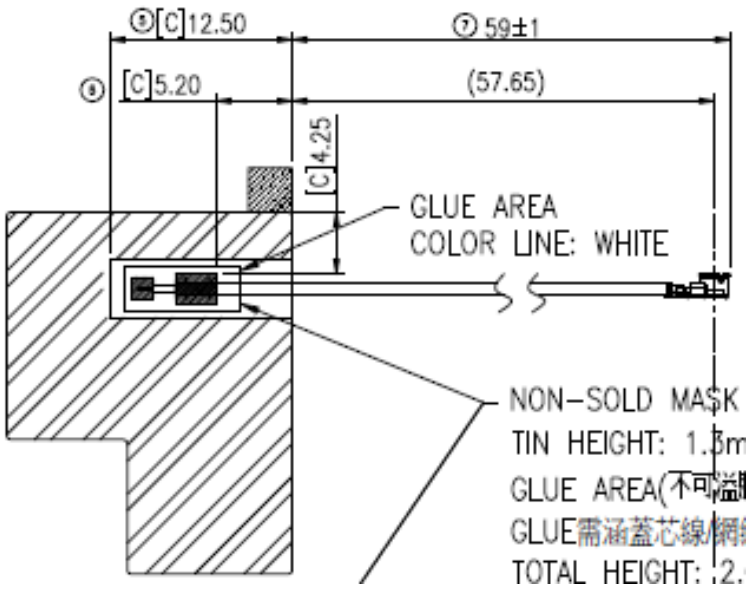
Main Antenna Photo (Front/Back):



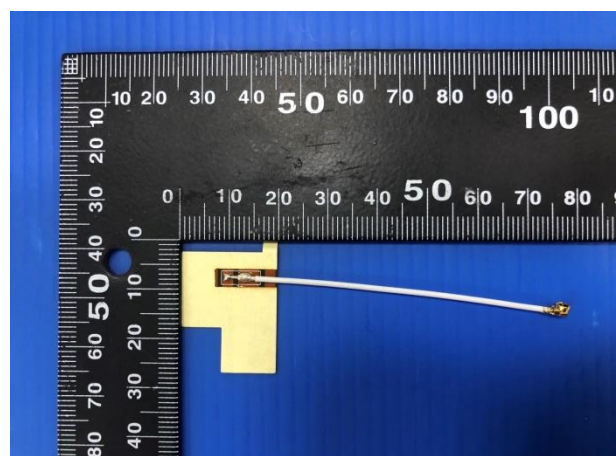
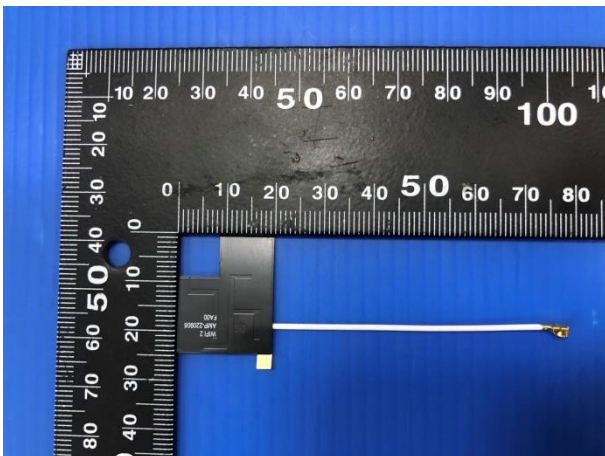
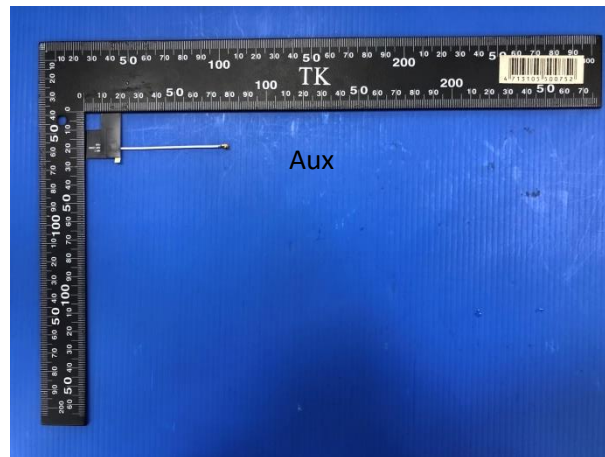
Note: antenna photo should include L type ruler

Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:



Aux Antenna Photo (Front/Back):



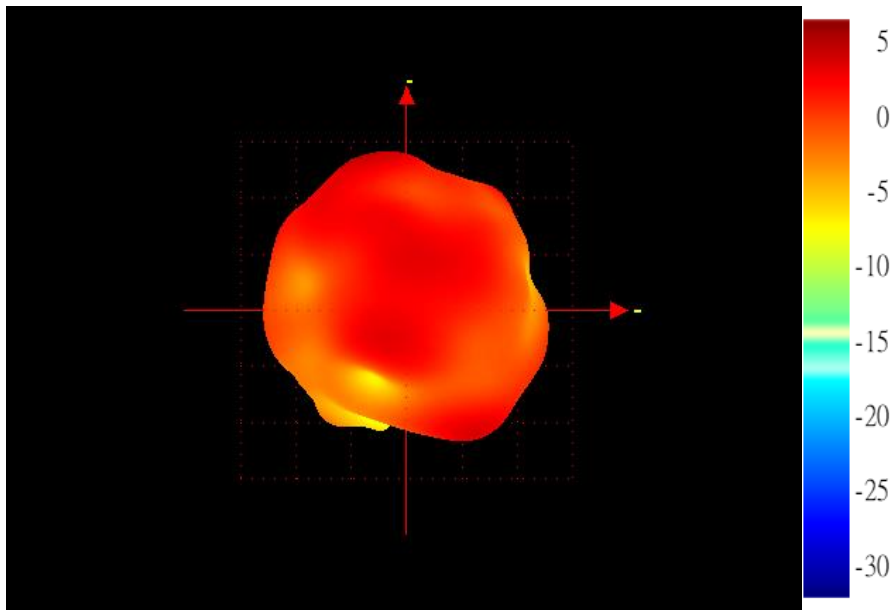
Note: antenna photo should include L type ruler

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

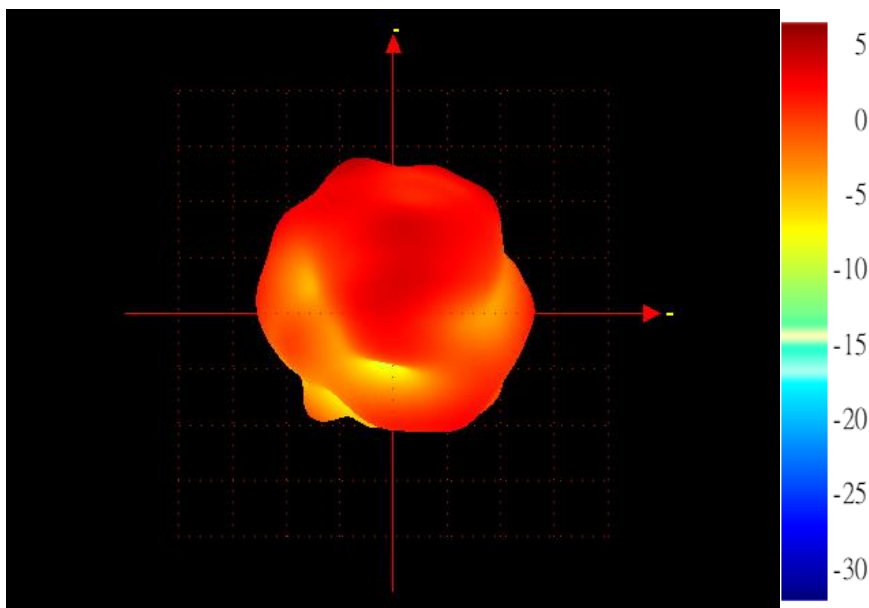
Max Antenna 3D Radiation Pattern 2400 – 2500 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2500	1.33



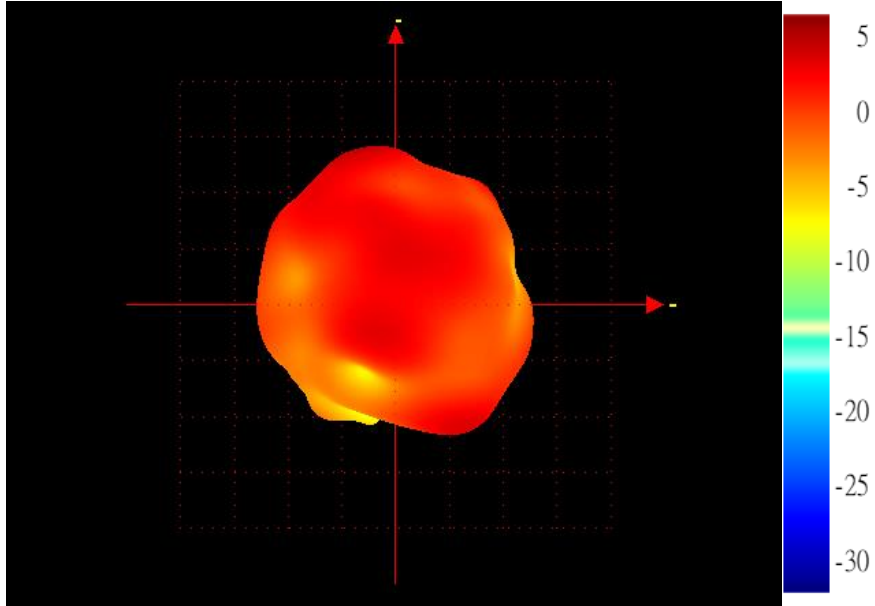
Max Antenna 3D Radiation Pattern 5150-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5350	3.32



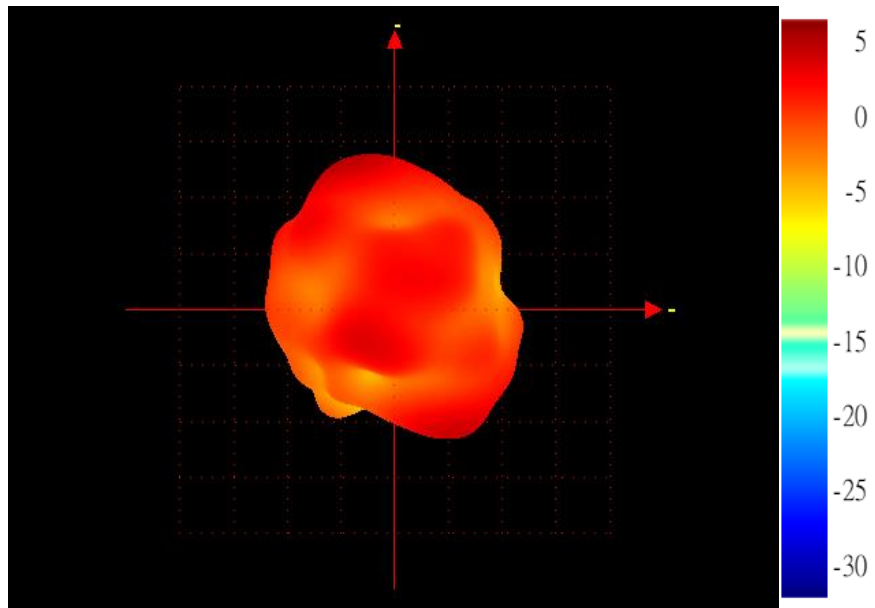
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.89



Max Antenna 3D Radiation Pattern 5725-5850 MHz

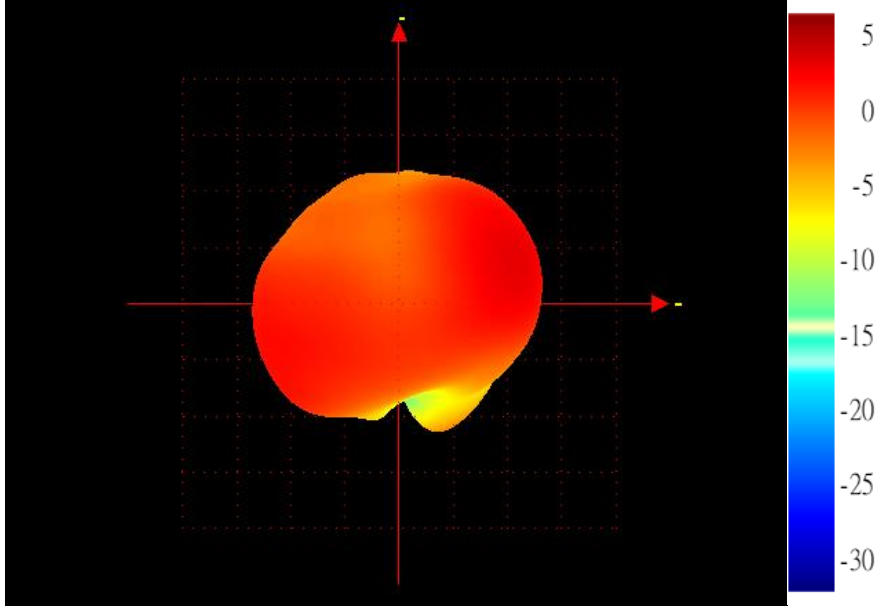
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.26



Auxiliary Antenna

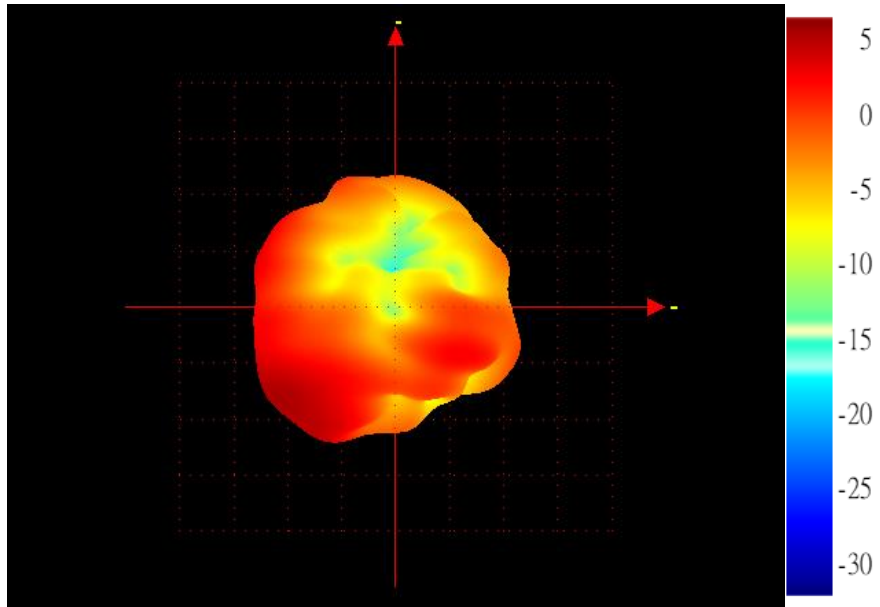
Max Antenna 3D Radiation Pattern 2400 – 2500 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2500	1.67



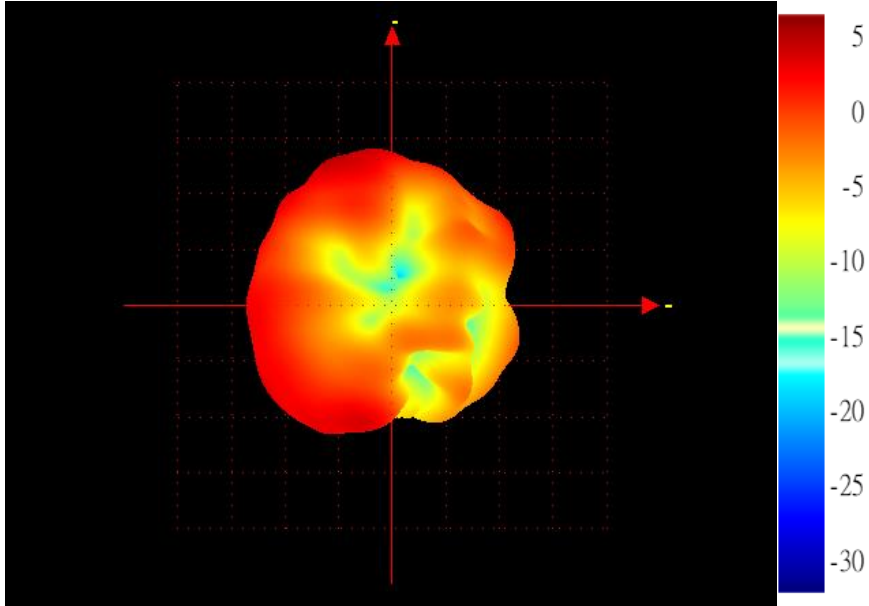
Max Antenna 3D Radiation Pattern 5150-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5350	3.33



Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	3.46



Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.68

