

ANTENNA INFORMATION

OEM	Dell
ODM	Compal
Platform model name	P207G
Intel platform (ex: Yes, No or NA)	Yes
Platform type (ex: regular NB, convertible PC, AIO...etc)	Regular NB
SAR minimum separation (mm)	FCC (1g) 4.32 mm (w/bumper) 2.72 mm (w/o bumper)
	ISED (1g) 4.32 mm (w/bumper) 2.72 mm (w/o bumper)
	ISED (10g) 4.32 mm

Antenna manufacturer	Company name	Auden Techno Corp
	Address	NO. 19, Lane 772, Heping Rd., Bade Dist, Taoyuan City, Taiwan (R.O.C)
Test location	Company name	SPORTON INTERNATIONAL INC
	Address	NO. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
Test Personnel	Name(Full name)	Monster Yang
	E-mail	Monster.yang@auden.com.tw
	Tel/Mobile	+886-3-3631901 #311
Testing date		2026.02.05

Antenna Part number	Main	A23841-30
	Aux	A23842-30
Antenna type (ex: PIFA, Dipole...etc)		PIFA

Antenna 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	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0 GHz 6875-7125MHz
Main	1.76	1.69	2.33	2.37	2.37	2.30	2.26	1.96	2.74	2.32
Aux	1.72	1.87	2.18	2.30	2.31	2.37	2.46	1.94	3.24	3.26

Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-143	333	1.13	50	IPEX-4 20565-001R-13
Aux	SY113L/50-118	240	1.13	50	IPEX-4 20565-001R-13

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

Cable loss (dB)

	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0 GHz 6875-7125MHz
Main	0.70	1.14	1.17	1.22	1.27	1.30	1.32	1.41	1.43	1.47
Aux	0.51	0.82	0.84	0.87	0.92	0.94	0.95	1.01	1.03	1.06

Table of Contents

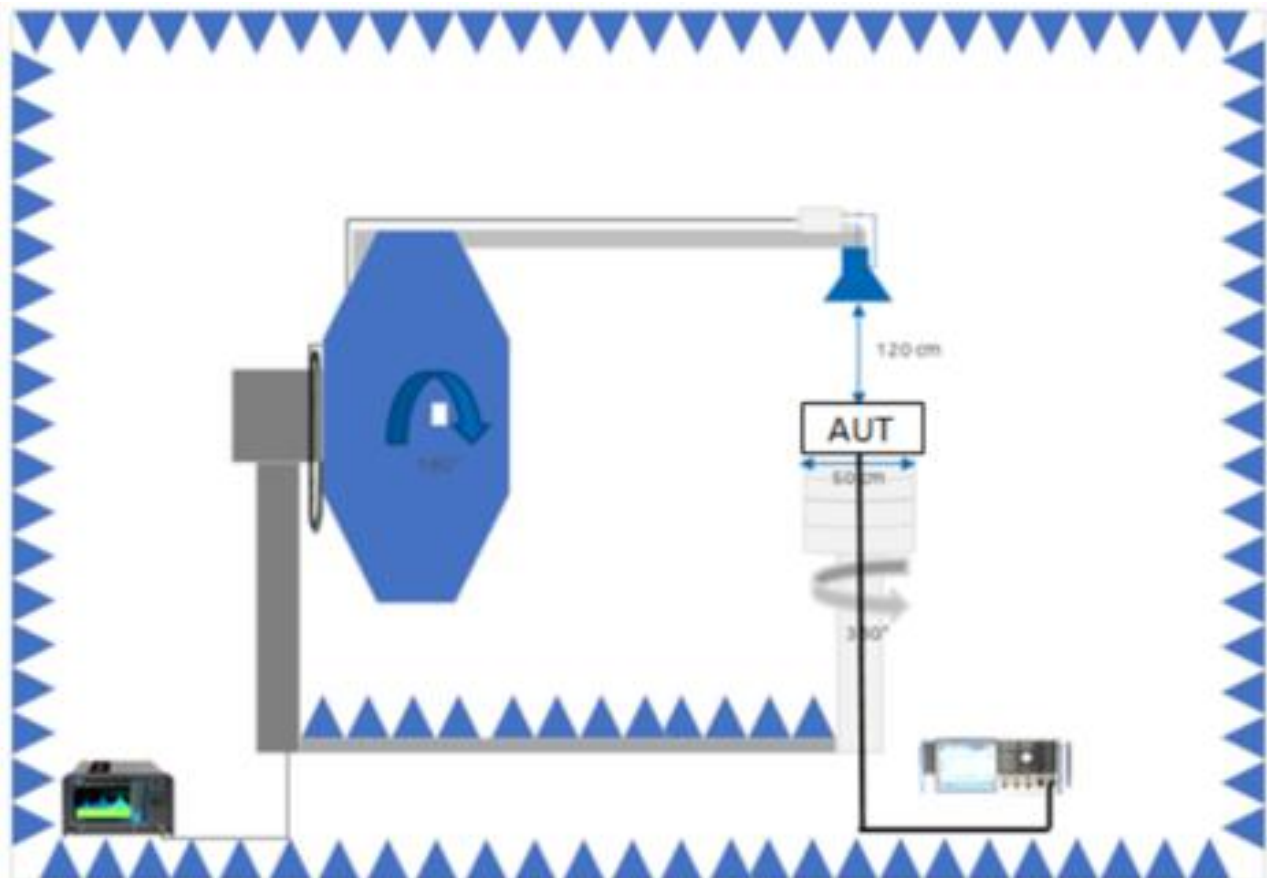
Cover page.....	1
1. Test & System Description	
1.1 Measurement Method and System.....	4
1.2 Test setup.....	4
1.3 Equipment list.....	5
2. Radiation characteristics of antenna loaded in Host Platform.....	6
Annex A. Photographs	
A.1 Setup Photo.....	16
A.2 Test sample.....	17
Annex B. Antenna Location	
B.1 Antenna Host Platform Location Information.....	19
B.2 Antenna dimensional information for SAR evaluation.....	20

1. Test & System Description

1.1 Measurement Method and System

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

1.2 Test setup



1.3 Equipment list

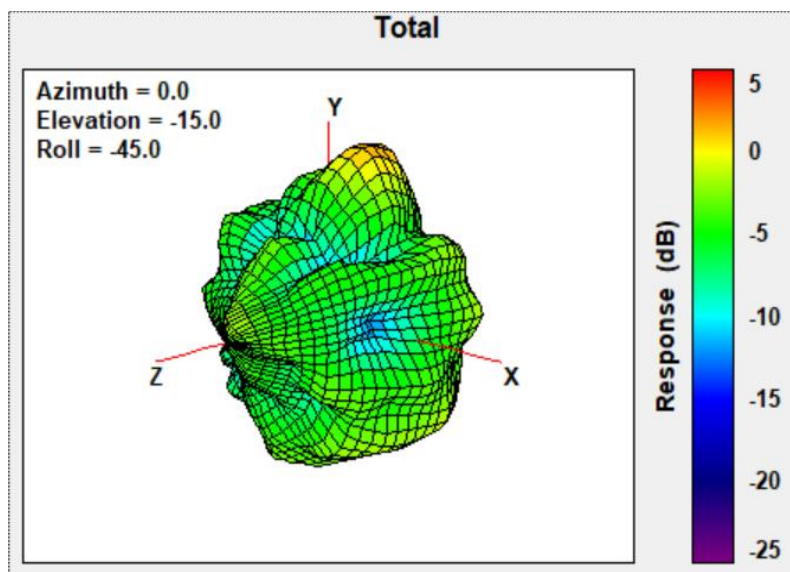
OTA03-HY					
Name	Manufacturer	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
ENA Series vector network analyzer	Keysight	E5080B	MY59500745	2025/5/20	2026/5/19
RF Switch	ETS	EMCENTER™	N/A	NCR	NCR
Multi-Axis Positioner Controller	ETS-Lindgren	2090	N/A	N/A	N/A
Medium-Duty Positioner	ETS-Lindgren	2015	N/A	N/A	N/A
Measurement Horn Antenna	EMCO	3164-08	00086722	NCR	NCR
Anechoic Chamber	ETS-Lindgren	AMS-8500	N/A	2025/10/22	2026/10/21

2. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

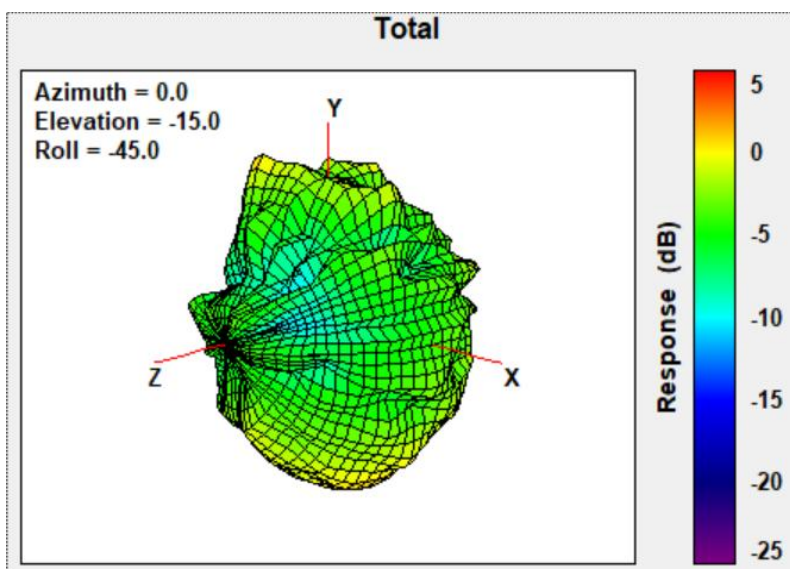
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.76



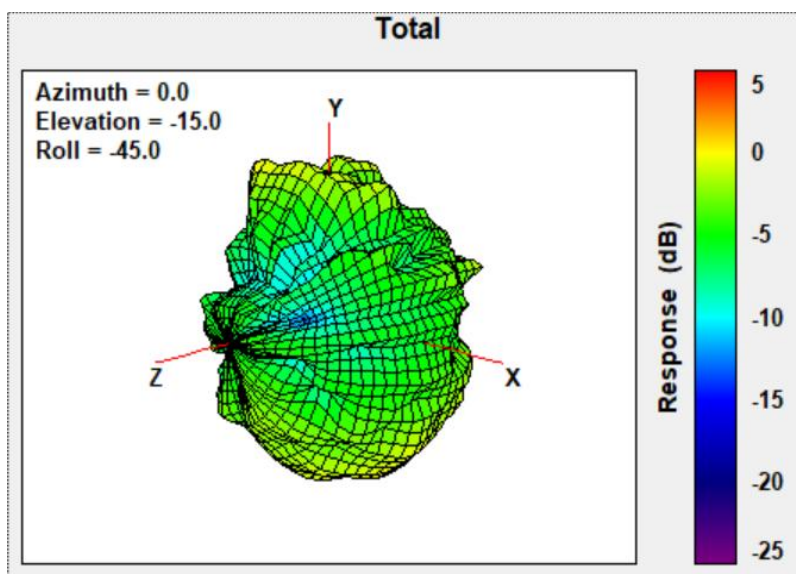
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.69



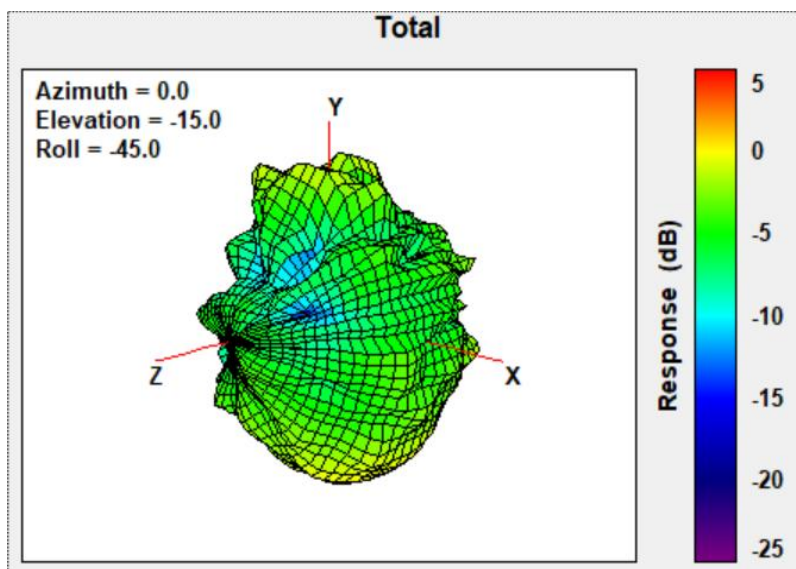
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.33



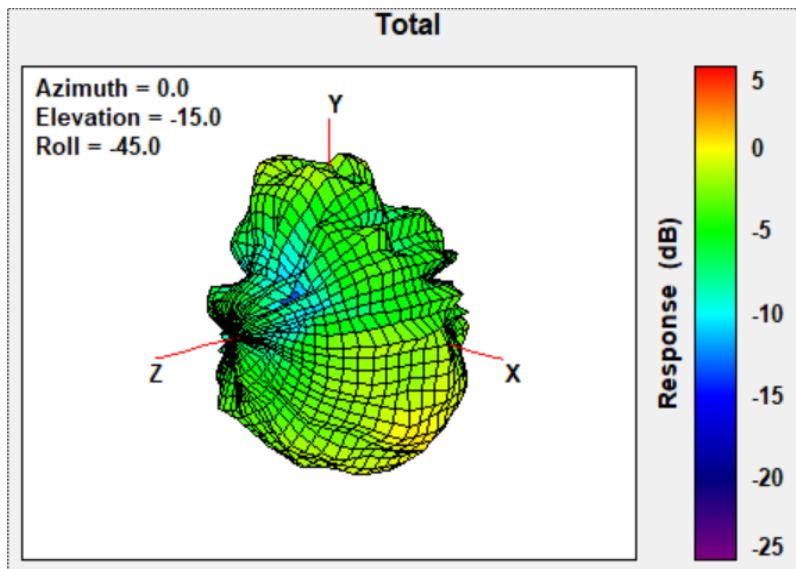
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.37



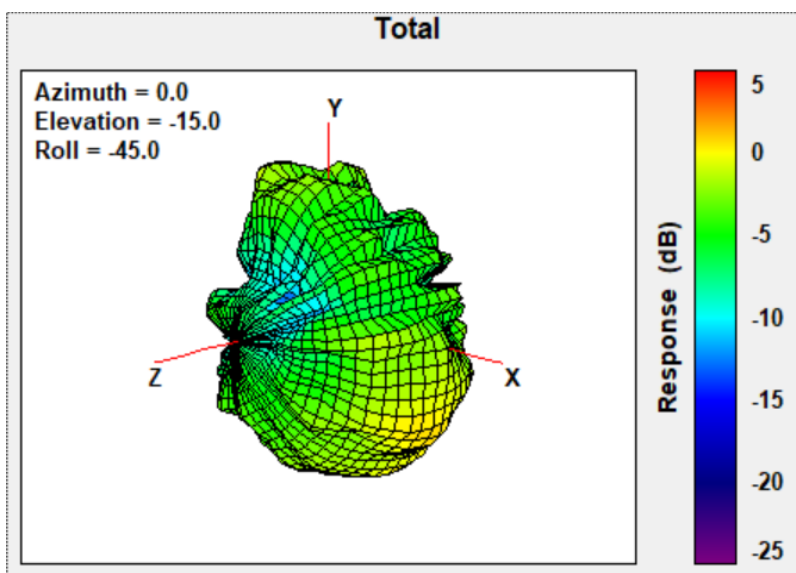
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.37



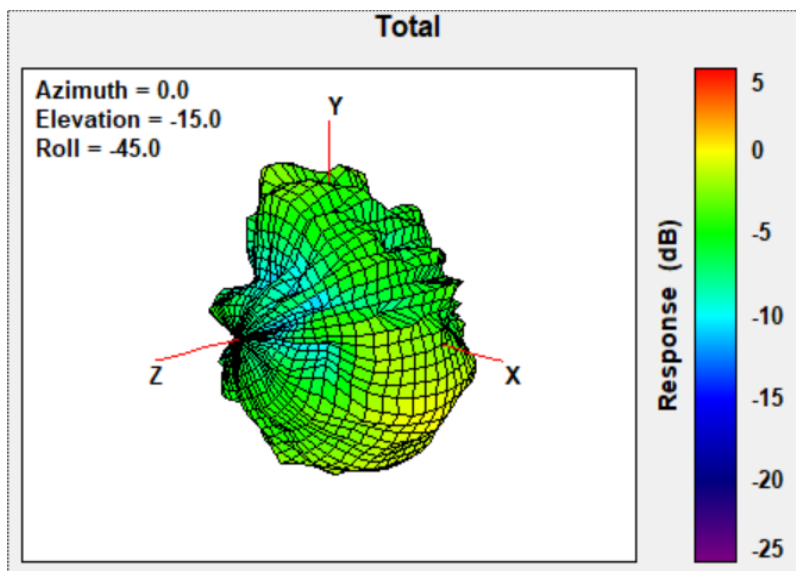
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.3



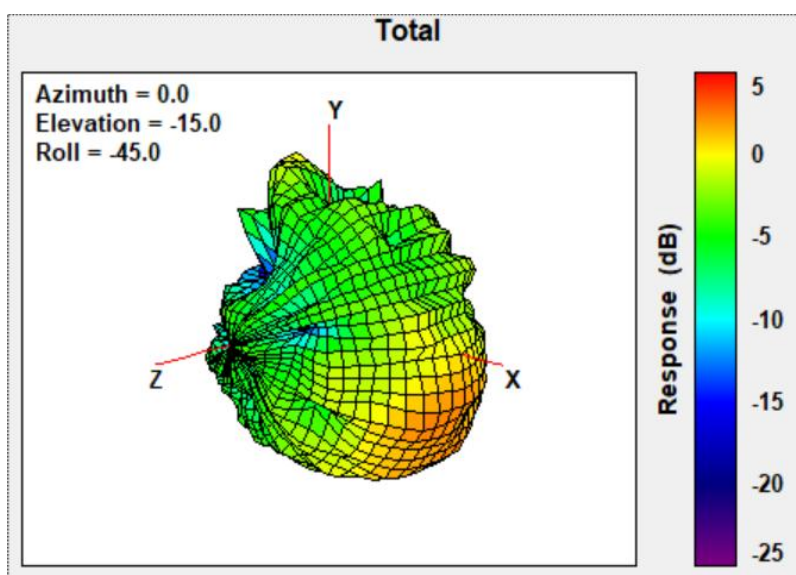
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.26



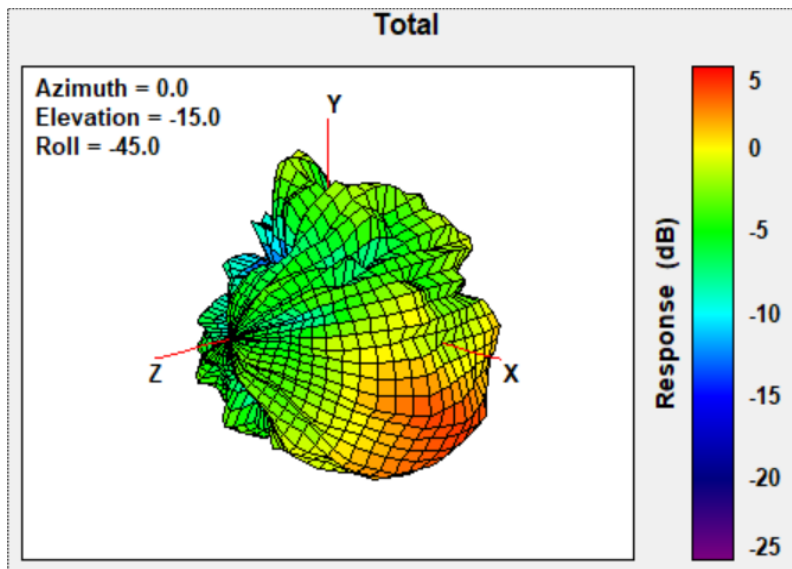
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.96



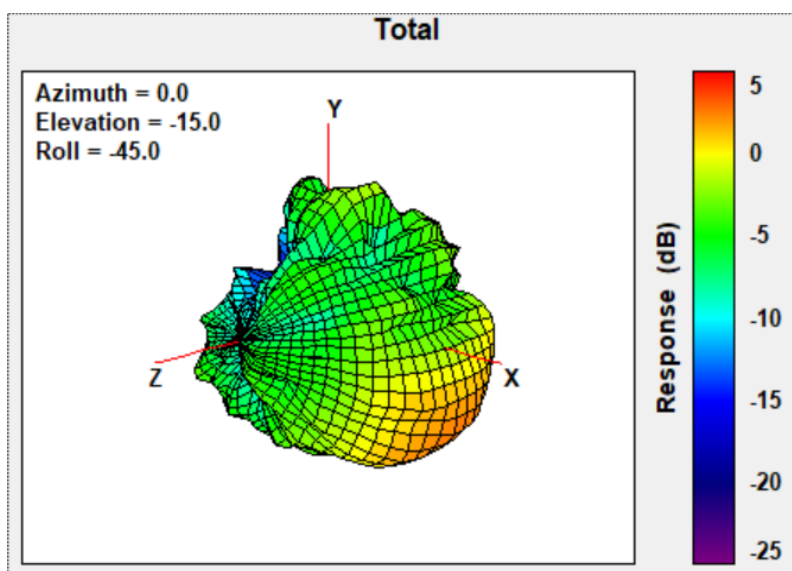
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.74



Max Antenna 3D Radiation Pattern 6875-7125 MHz

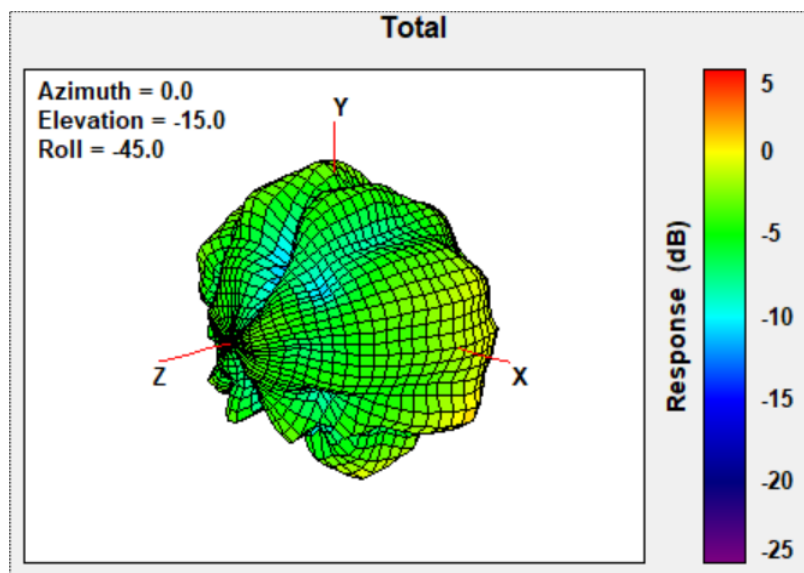
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.32



Auxiliary Antenna

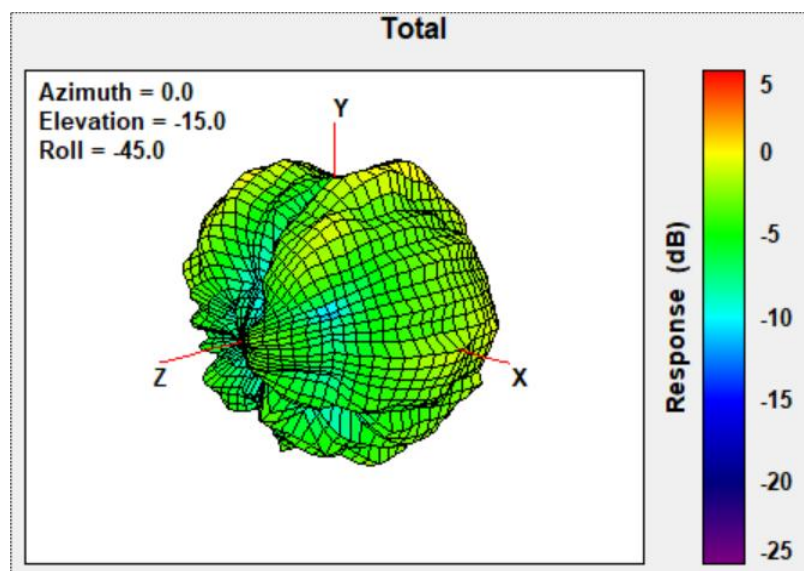
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.72



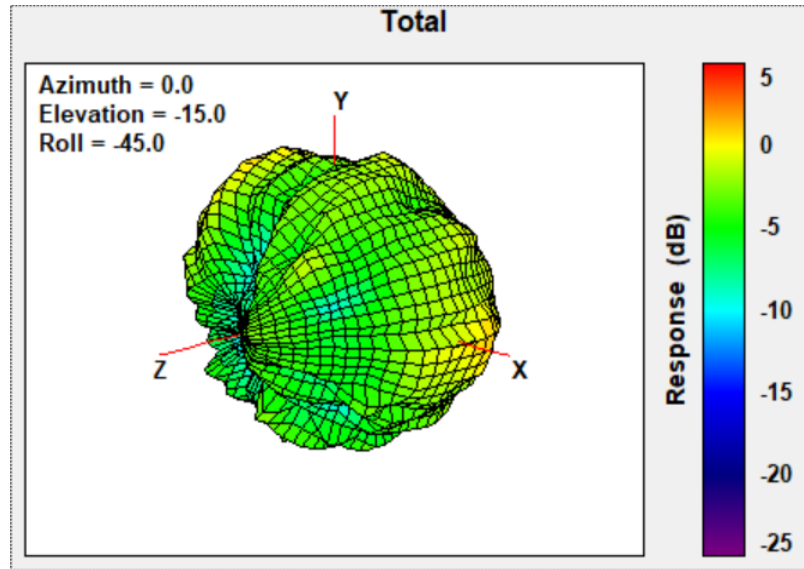
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.87



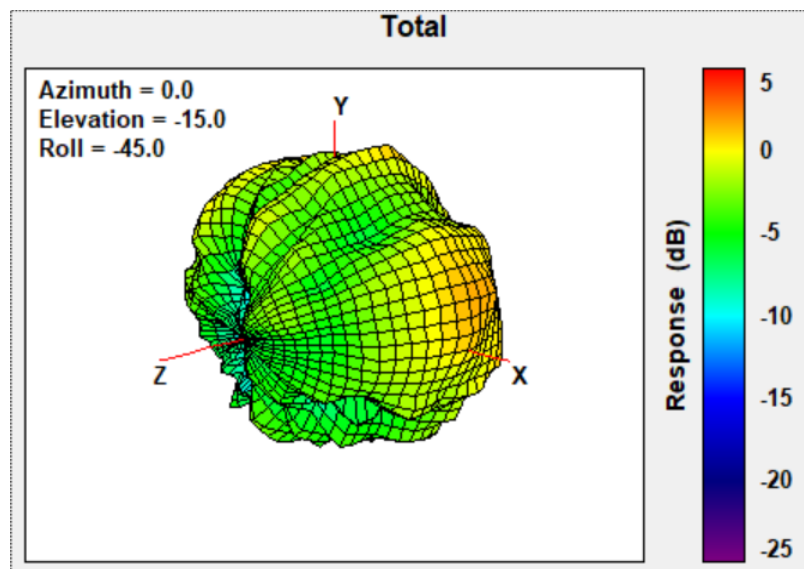
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.18



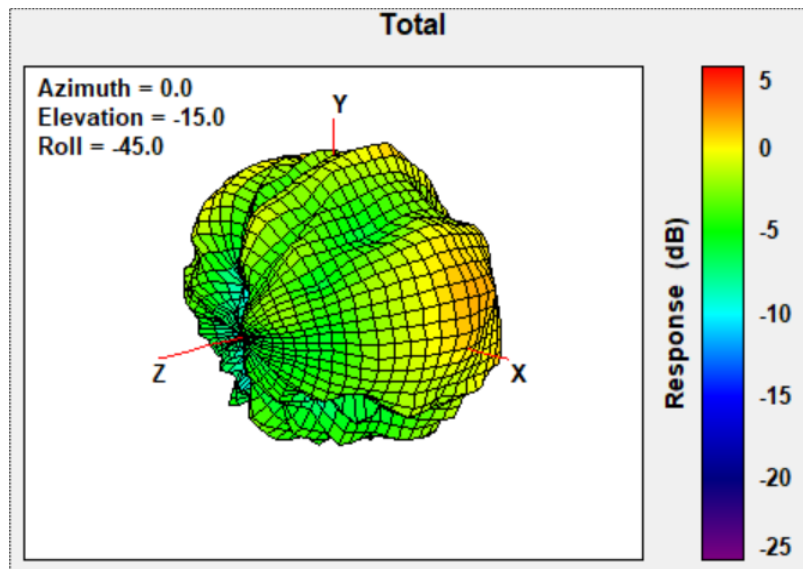
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.3



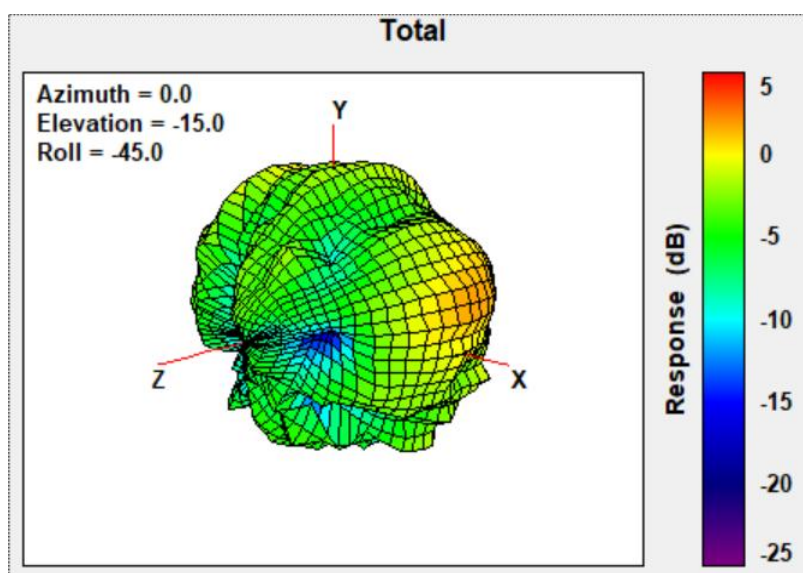
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.31



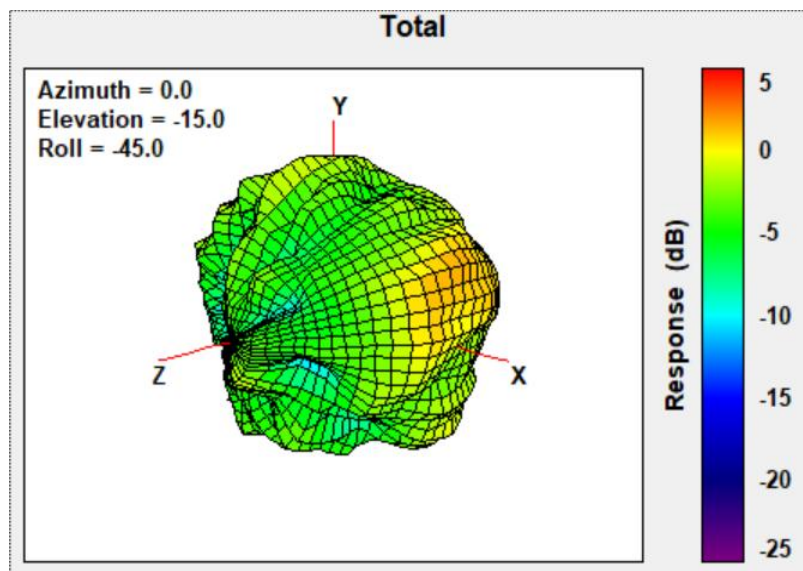
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.37



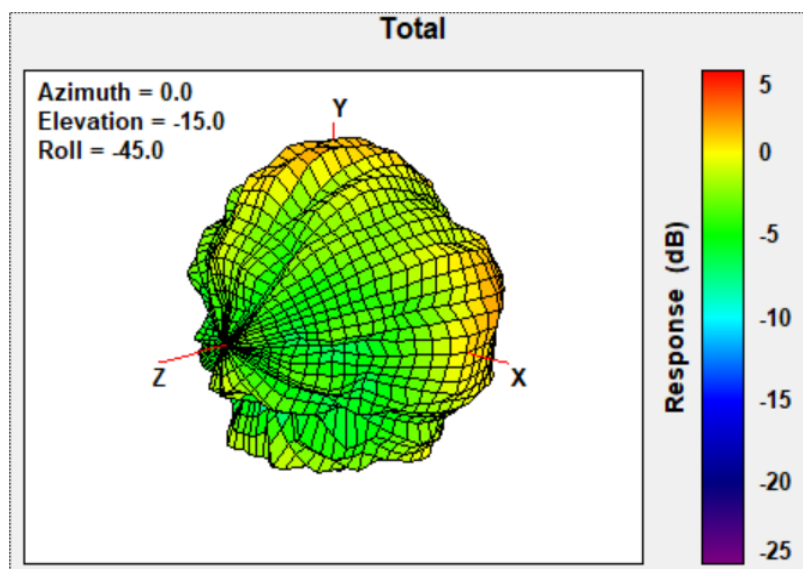
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.46



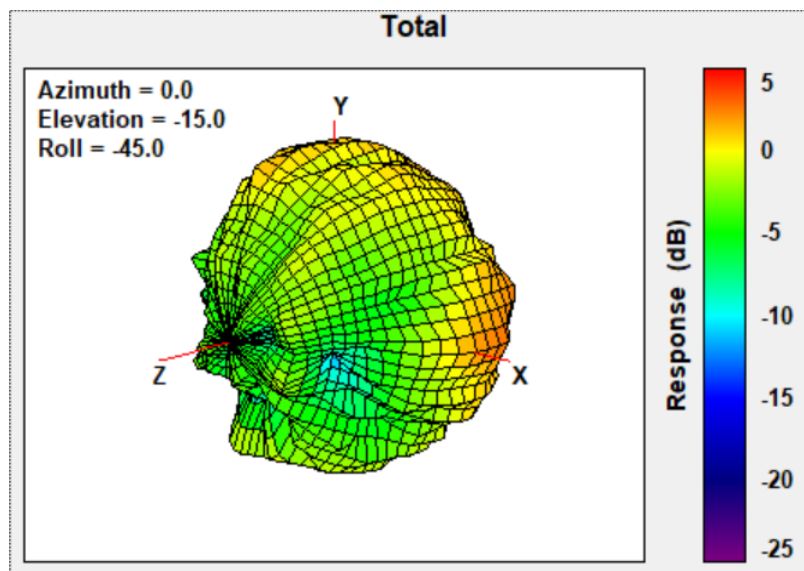
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.94



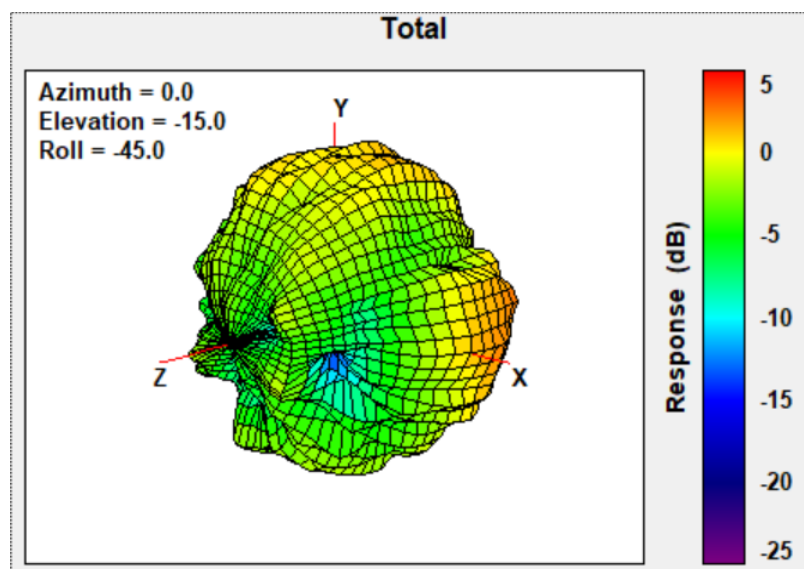
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.24



Max Antenna 3D Radiation Pattern 6875-7125 MHz

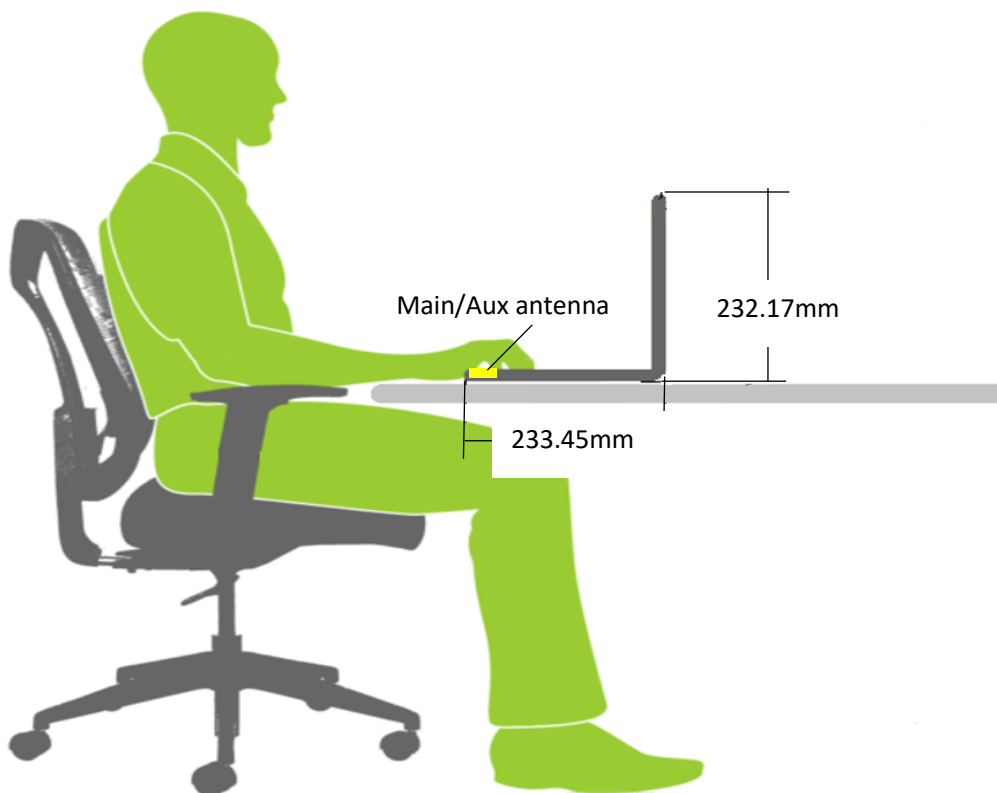
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.26



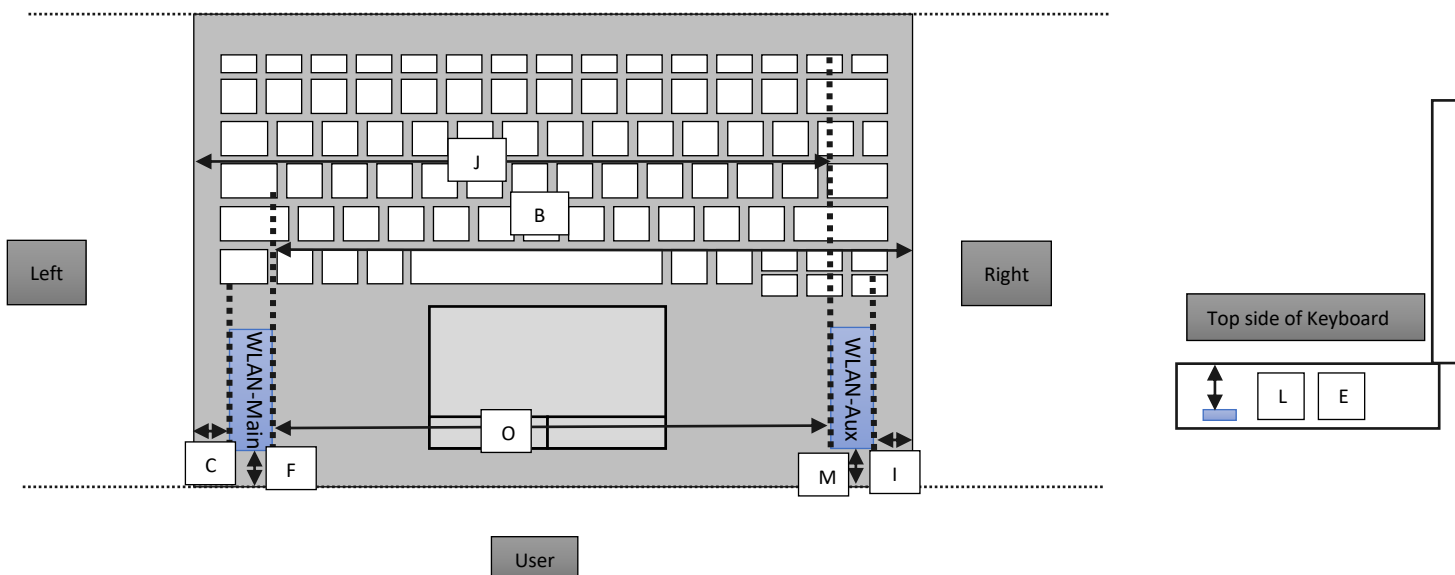
B.2 Antenna dimensional information for SAR evaluation

Include a dimensioned photo(s) or dimensioned drawing(s) showing the distance (mm) between the transmit antennas and the user. For notebook/laptop hosts show lapheld position (example below). For tablet hosts show all orientations including lapheld, primary & secondary portrait, primary & secondary landscape positions. Include a description of any proximity sensors or power throttling implementations that limit or exclude use of any host orientation.

Antennas on the panel section



Antennas on the keyboard section



Minimum Separation Distance				
Item	Antenna	Position	Distance (mm)	1g or 10g SAR
B	WLAN-Main	to Right	295.95	10g (ISED)
C		to Left	7.10	10g (ISED)
E		To Top side of Keyboard	1.15	10g (ISED)
F		to User (front)	23.90	1g (ISED)
I	WLAN-Aux	to Right	7.10	10g (ISED)
J		to Left	295.95	10g (ISED)
L		To Top side of Keyboard	1.15	10g (ISED)
M		to User (front)	23.90	1g (ISED)
O	Main-Aux	Main to Aux	276.40	
P	NB	Bumper thickness	3.49	