

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	Speed
	Address	25F., No.95, Xinpu 6th St., Taoyuan Dist., Taoyuan City 330, Taiwan
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)	John Liu
	E-mail	john_liu@Speed-hz.com
	Tel/Mobile	03-325-3361 ext:253
Testing date		2026.02.05

Antenna Part number	Main	F-0G-FH-6216-002-00
	Aux	F-0G-FH-6216-003-00
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	1.45	1.54	2.12	2.22	2.07	2.09	2.13	1.62	2.58	2.15
Aux	1.61	1.61	2.06	2.01	2.26	2.16	2.33	1.74	3.01	3.06

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	20565-001R-13
Aux	SY113L/50-118	240	1.13	50	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	0.83	0.85	0.89	0.93	0.95	0.96	1.03	1.04	1.07

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1. Test & System Description

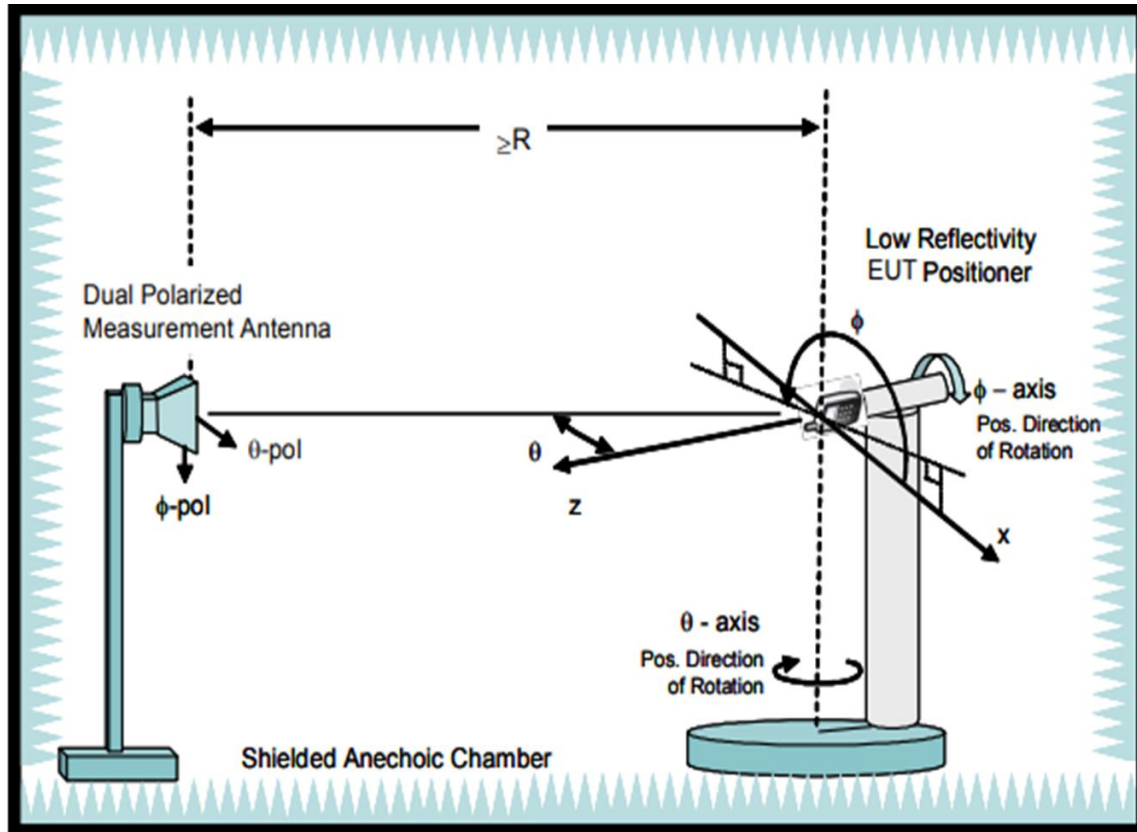
1.1 Measurement Method and System

<insert test description here for test method>

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

1.2 Test setup

<insert test diagram here for test site utilized>



1.3 Equipment list

<insert test diagram here for test site utilized>

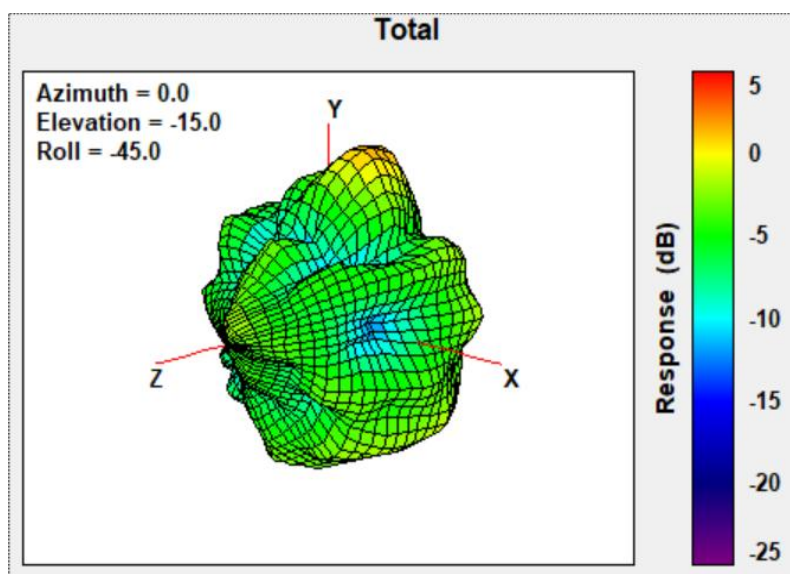
Test Equipment List						
ID	Device description	Model Name	Manufacturer	Serial Number	Calibration Date	Calibration Due Date
	Anechoic Chamber	AMS8500	ETS-Lindgren		2024/11/20	2026/11/19
	Turn Table	2117-7200	ETS-Lindgren	SN00231447	2024/11/20	2026/11/19
	Switch & Positioning systems	EMCenter	ETS-Lindgren	SN00242606	2024/11/20	2026/11/19
	Measurement SW	EMQuest V1.15 build 27347	ETS-Lindgren	SN1802	2024/11/20	2026/11/19
	Horn antenna	3164-10	ETS-Lindgren	SN00246202	2024/11/20	2026/11/19
	Vector Network Analyzer	E5071C	Keysight	PN5188-4462	2024/11/20	2026/11/19
	Cable 7.5m 400MHz to 18GHz(H-pol)	SS402	WOKEN	00100A1F5A1X XS	2024/11/20	2026/11/19
	Cable 7.5m 400MHz to 18GHz(V-pol)	SS402	WOKEN	00100A1F5A1X XS	2024/11/20	2026/11/19
	Cable 14m 400MHz to 18GHz	SS402	WOKEN	00100A1F5A1X XS	2024/11/20	2026/11/19
	Temp & Humidity Logger	830	PROVA	SN84972	2024/11/20	2026/11/19

2. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

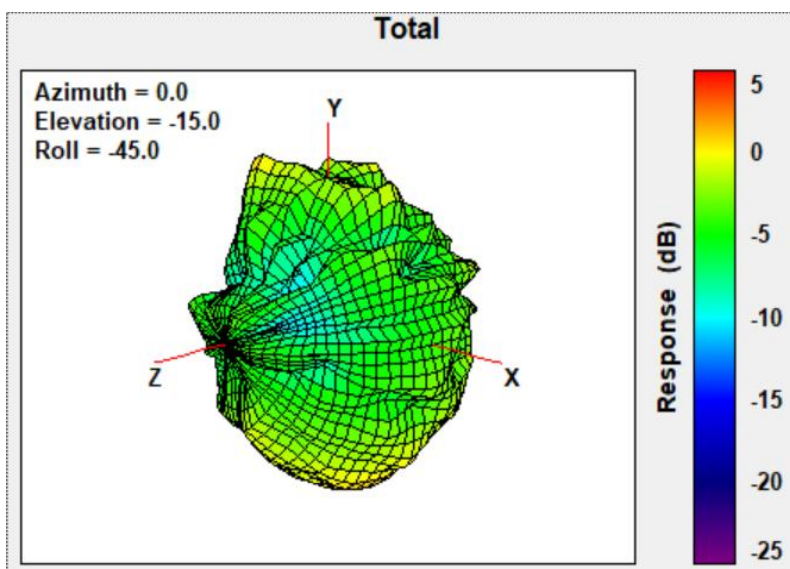
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.45



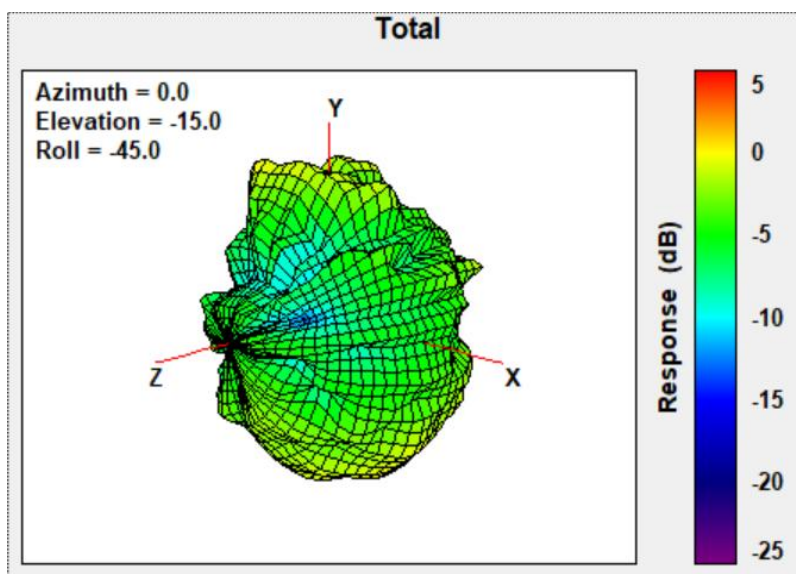
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.54



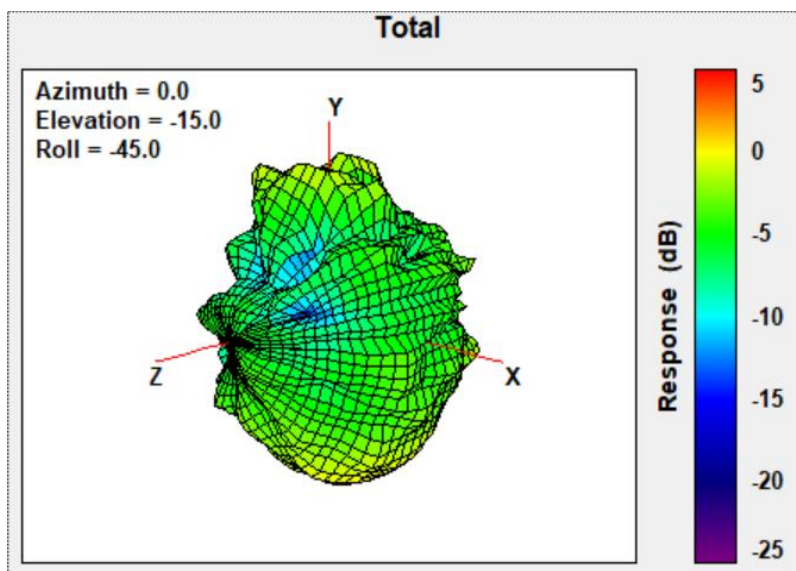
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.12



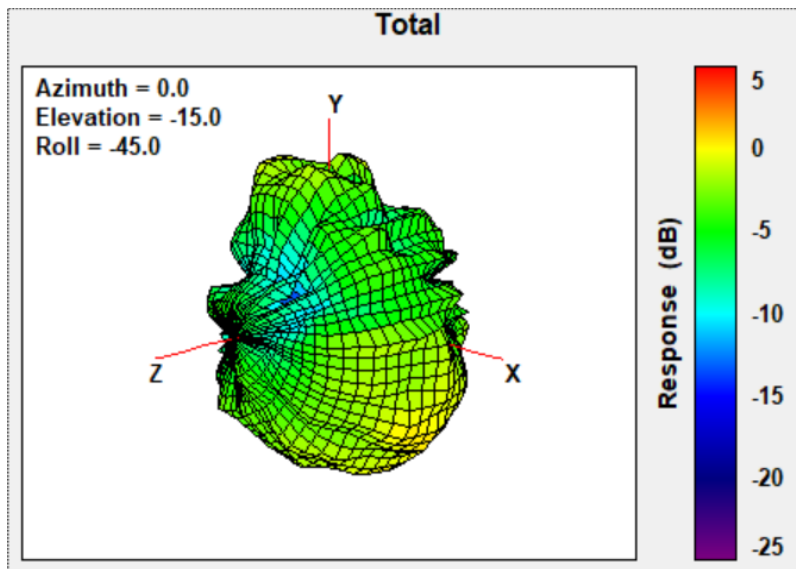
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.22



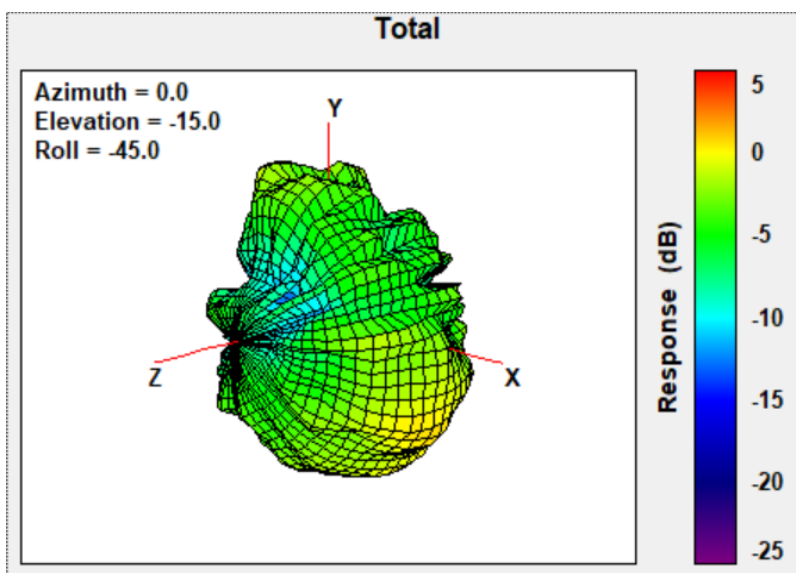
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.07



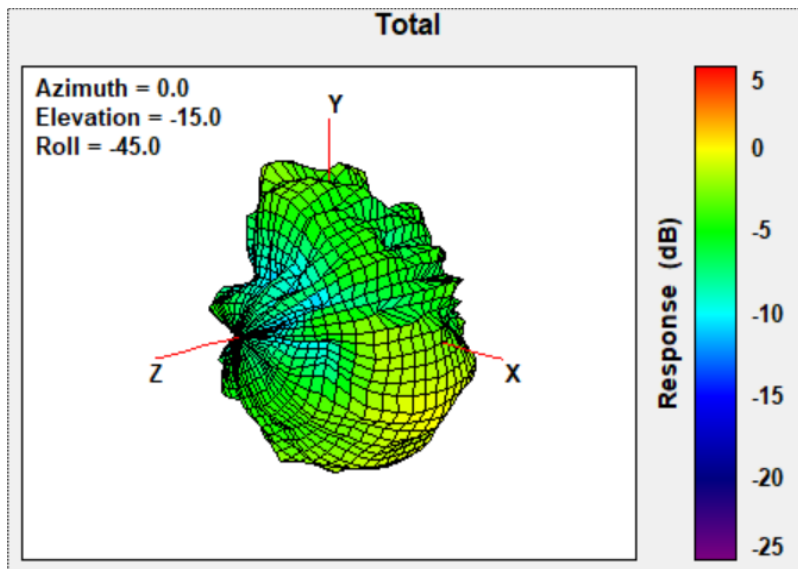
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.09



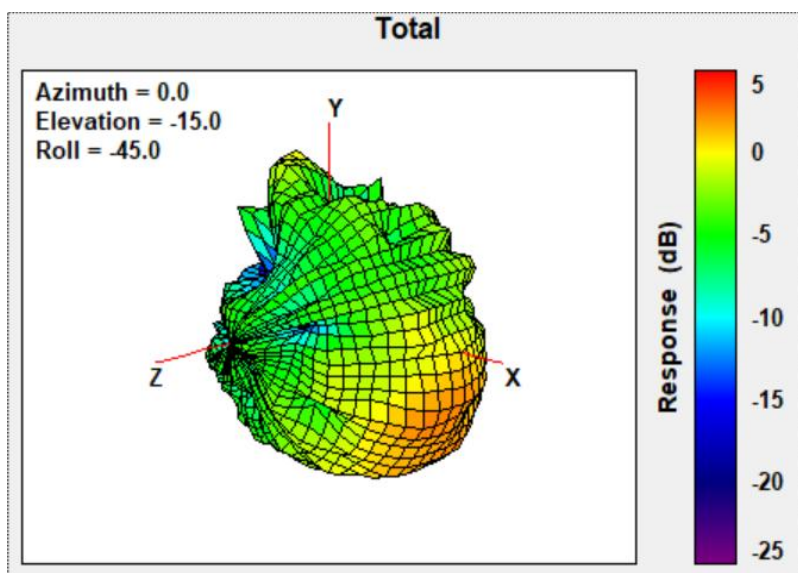
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.13



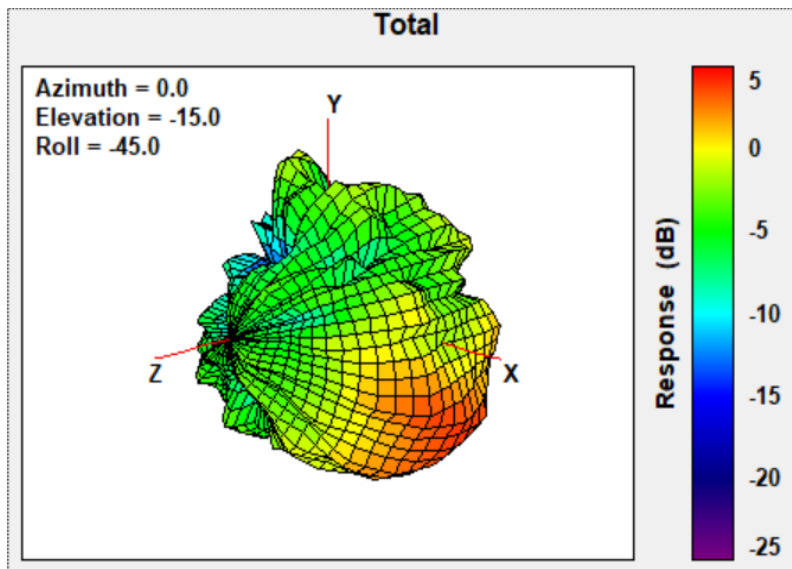
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.62



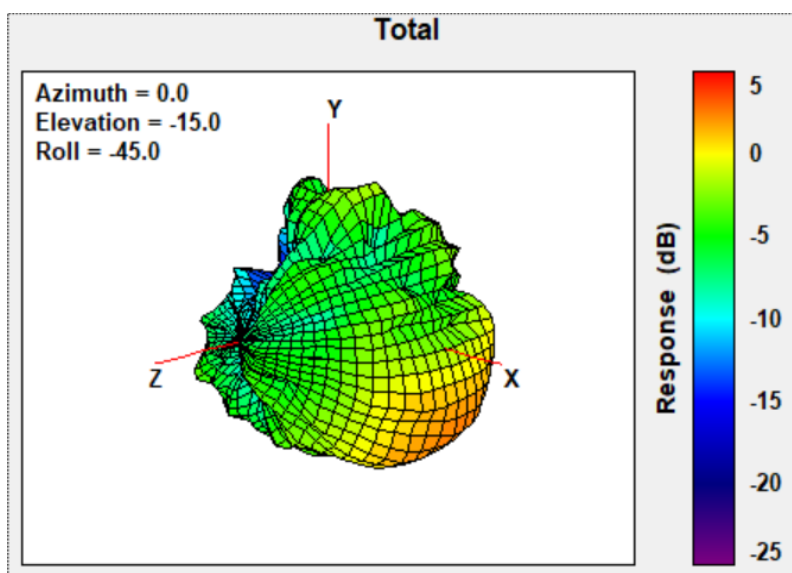
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.58



Max Antenna 3D Radiation Pattern 6875-7125 MHz

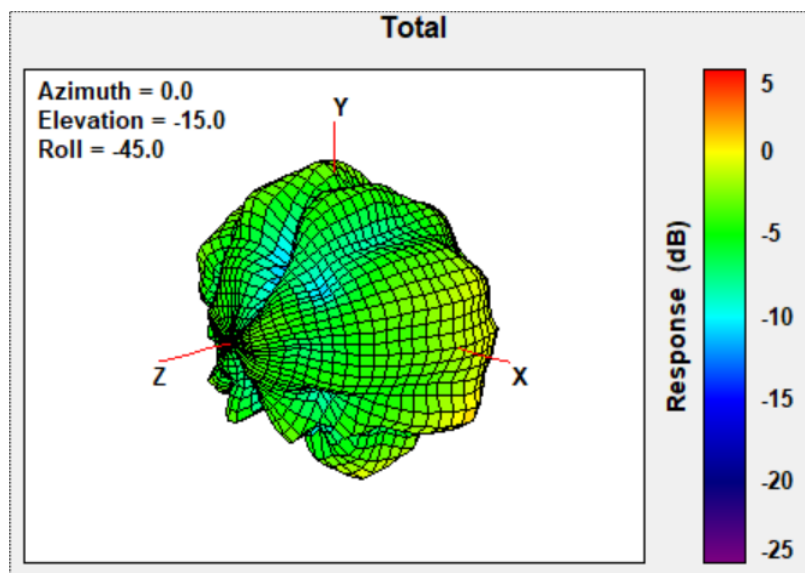
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.15



Auxiliary Antenna

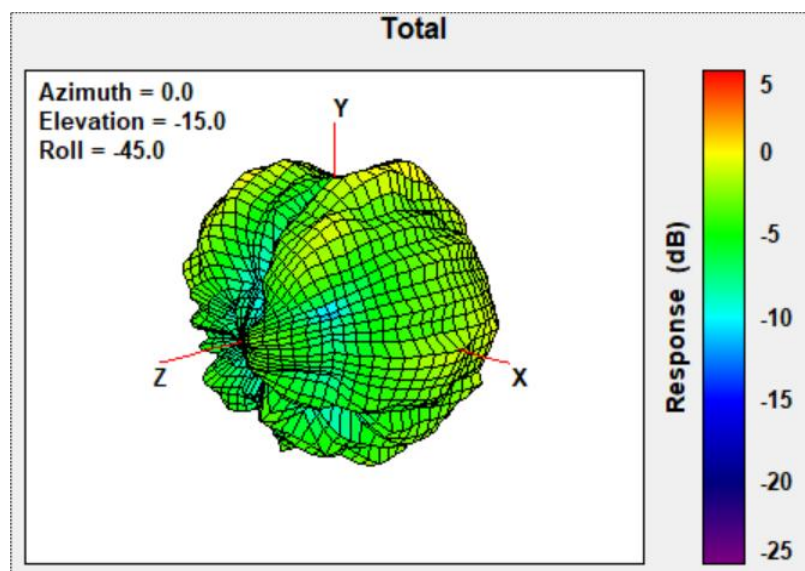
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.61



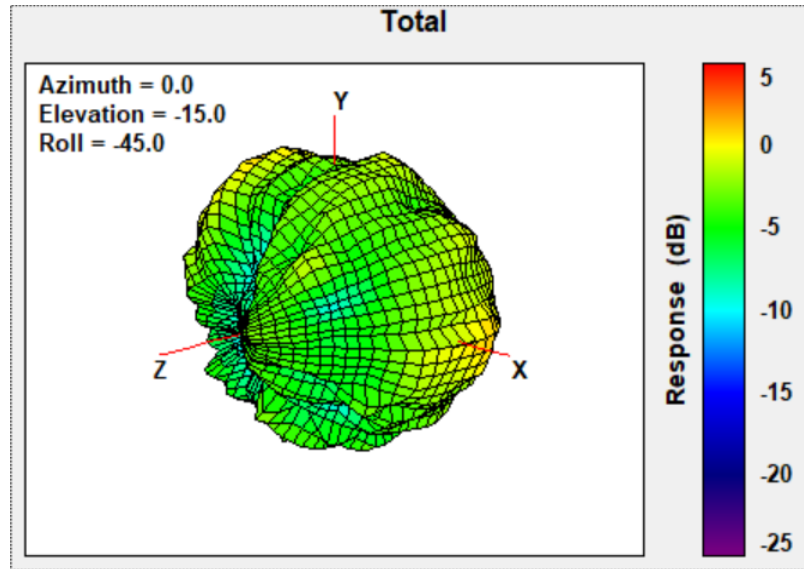
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.61



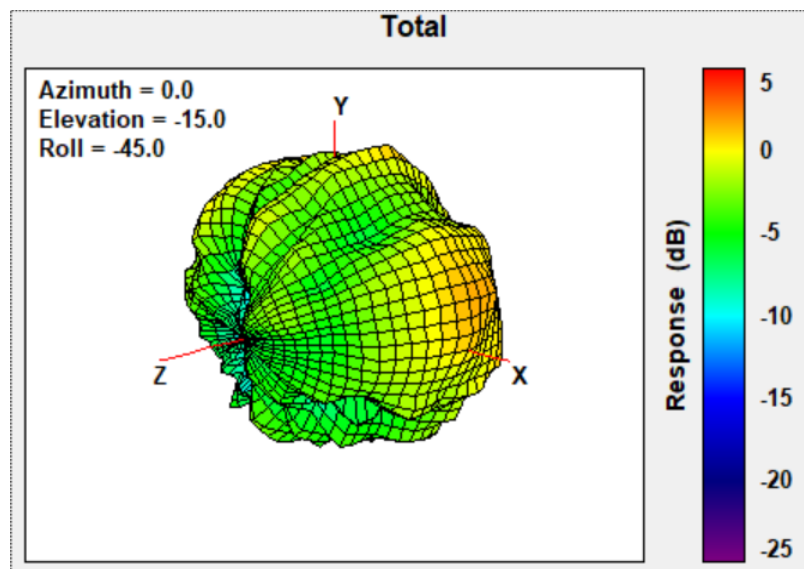
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.06



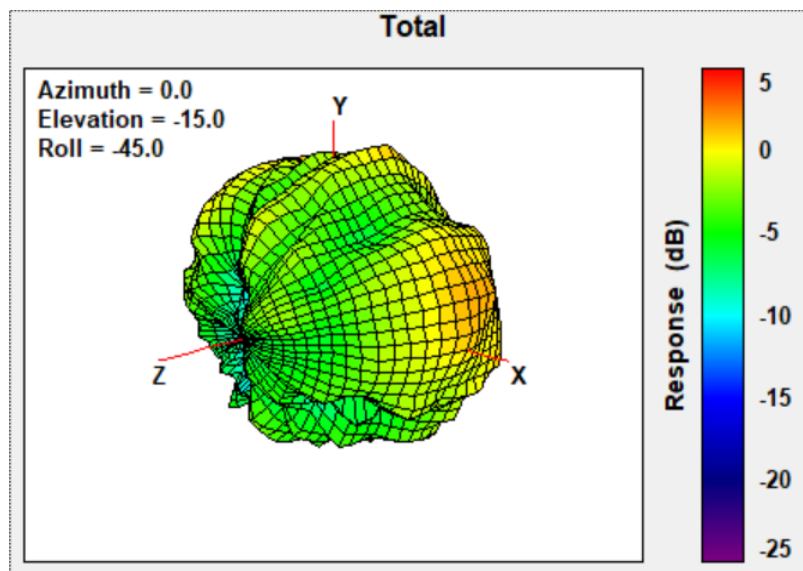
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.01



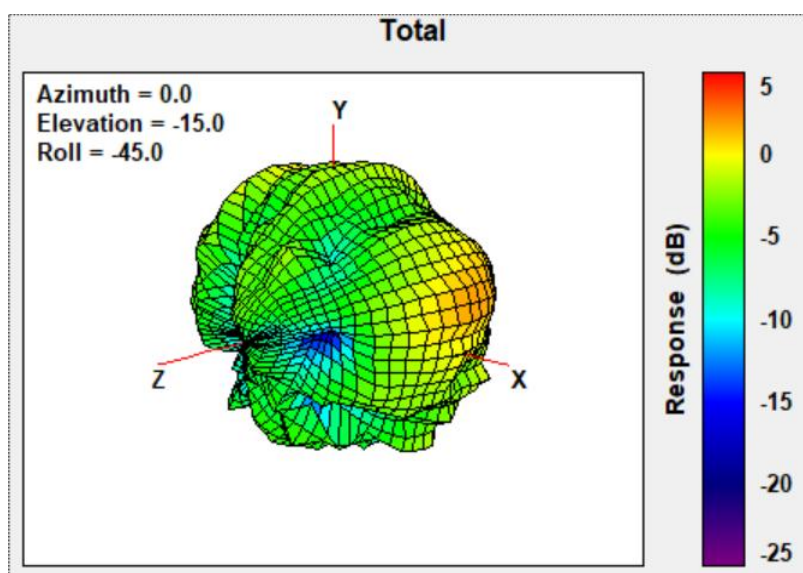
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.26



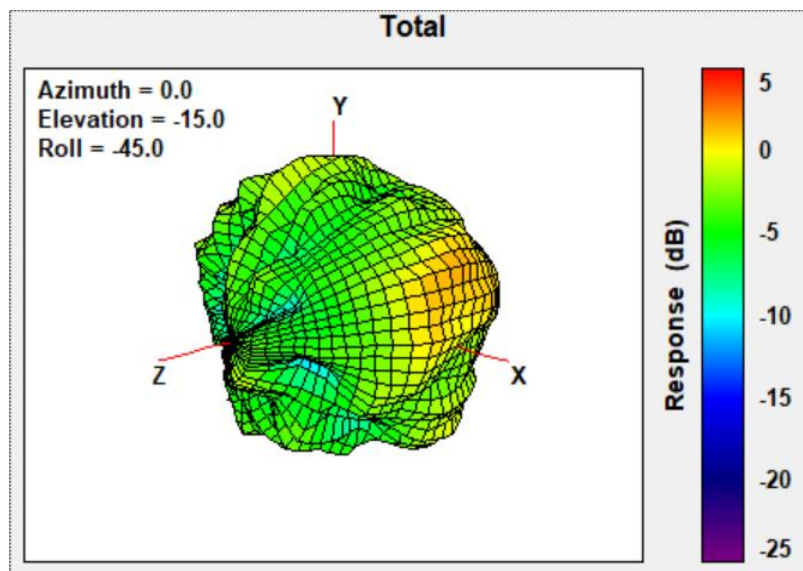
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.16



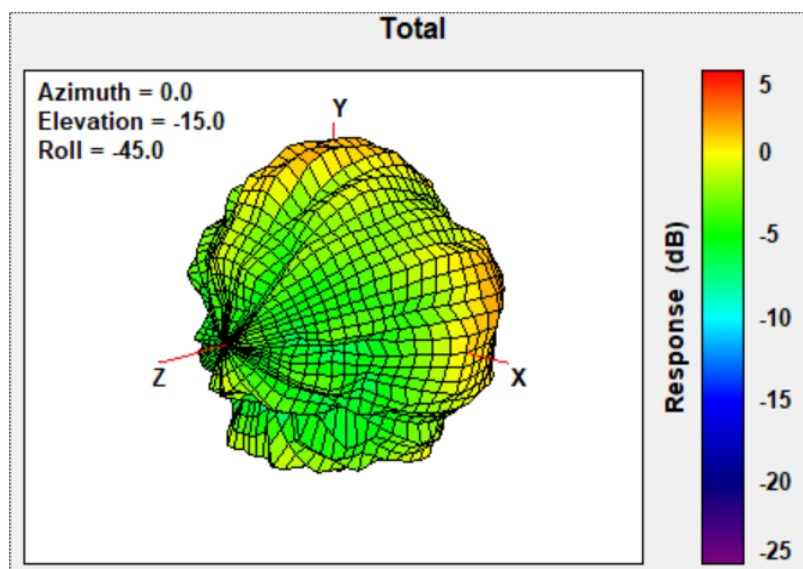
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.33



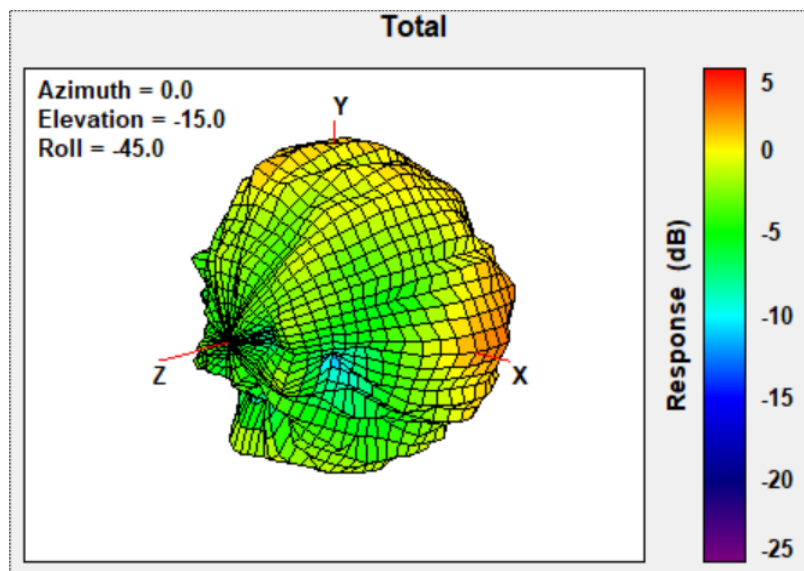
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.74



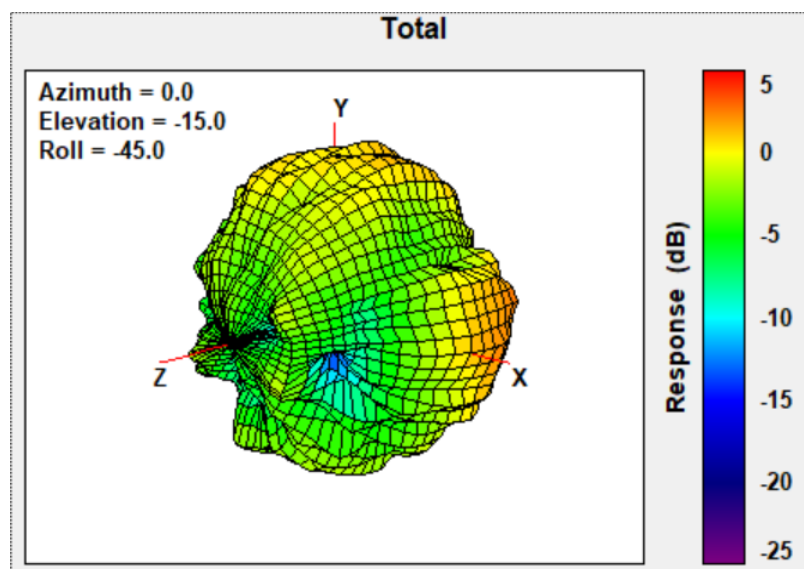
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.01



Max Antenna 3D Radiation Pattern 6875-7125 MHz

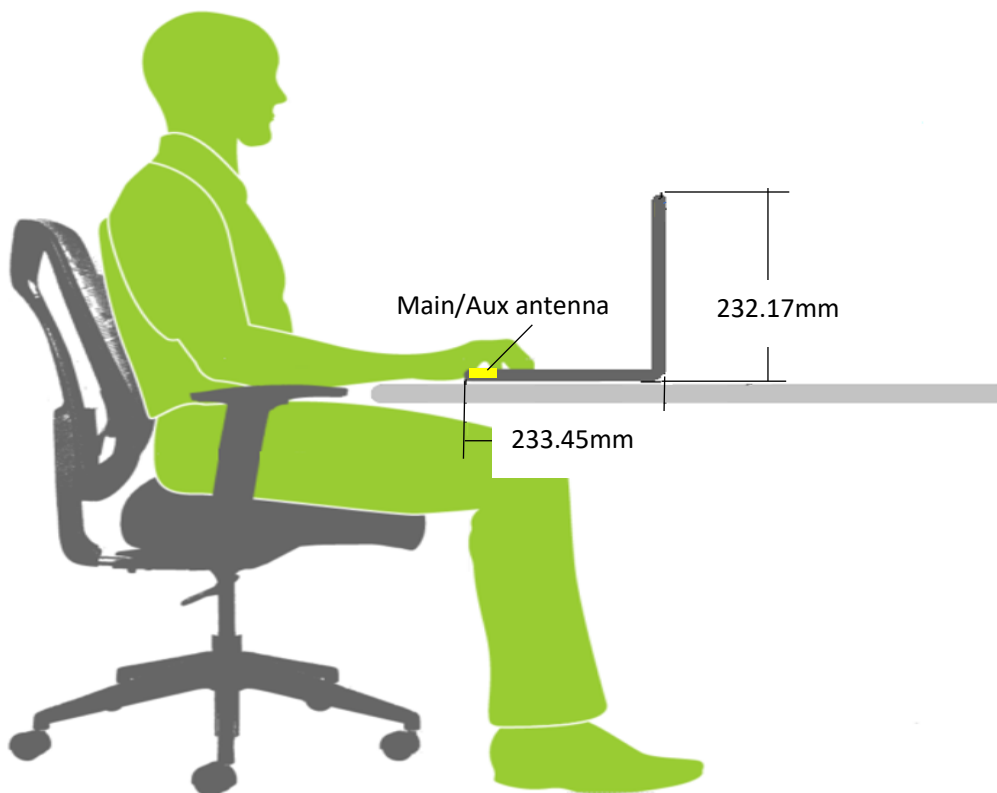
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.06



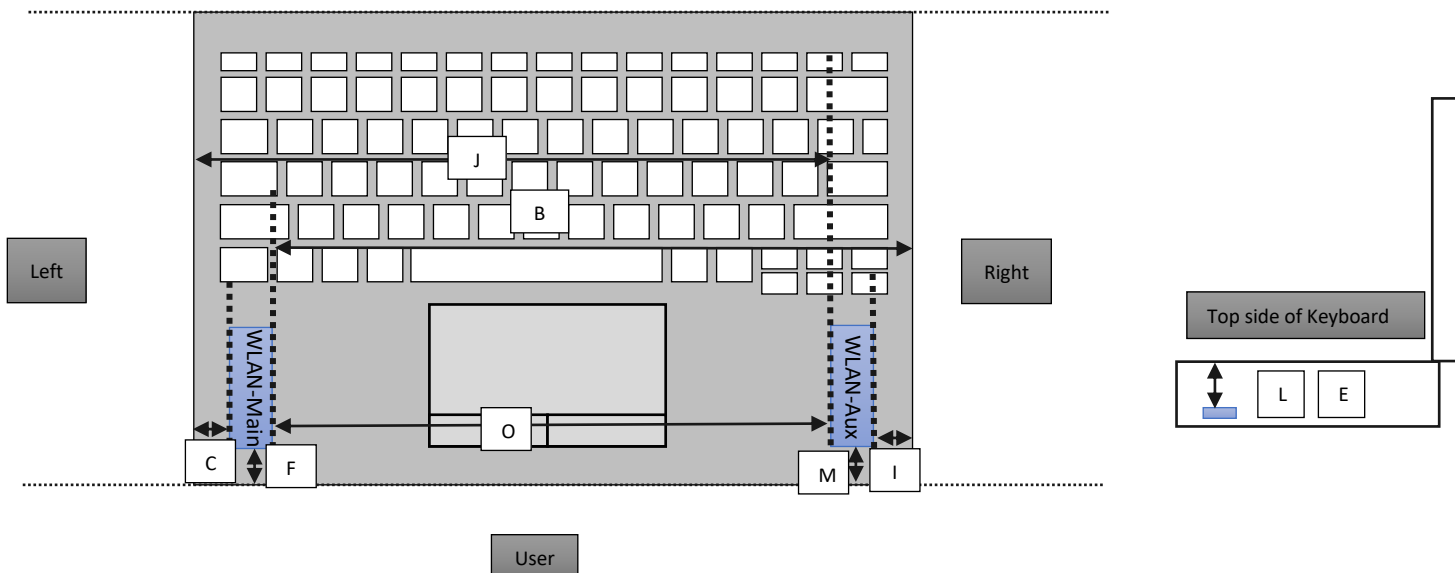
B.2 Antenna dimensional information for SAR evaluation

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	