ANTENNA INFORMATION

OEM	dynabook
ODM	Compal
Platform model name	SATELLITE PRO C50-K SATELLITE C50-K
Intel platform (ex: Yes, No or NA)	Yes
Platform type (ex: regular NB, convertible PC, AIO…etc)	Regular NB
SAR minimum separation (mm)	4.95(without bumper) 6.95(with bumper)

Antenna manufacturer	SOUTHSTAR TECHNOLOGY CO.,LTD	
Address	1003/1004/1604A, Bldg. C6, HengFeng Ind. Park, XiXiang Town, Bao'An District,ShenZhen City, P.R.C	
Antenna Part number	Main: DC33002PX00(N12-8274-R0A)	Aux: DC33002PX00(N12-8274-R0A)
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	1.71	2.66	2.66	2.21	2.67	2.67	2.65	2.02	2.49	2.60
Aux	1.62	2.11	2.11	1.55	1.88	1.88	2.76	2.76	2.70	2.78

Cable Assembly Part Number and Information					
	Cable PN	**Cable length**(mm)	**Cable diameter**(mm)	**Impedance**(ohm)	**Connector type**
Main	MHF-B13-N-01	292	1.13	50	I-pex
Aux	MHF-B13-N-01	365	1.13	50	I-pex

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

Table of Contents

1. Test & System Description

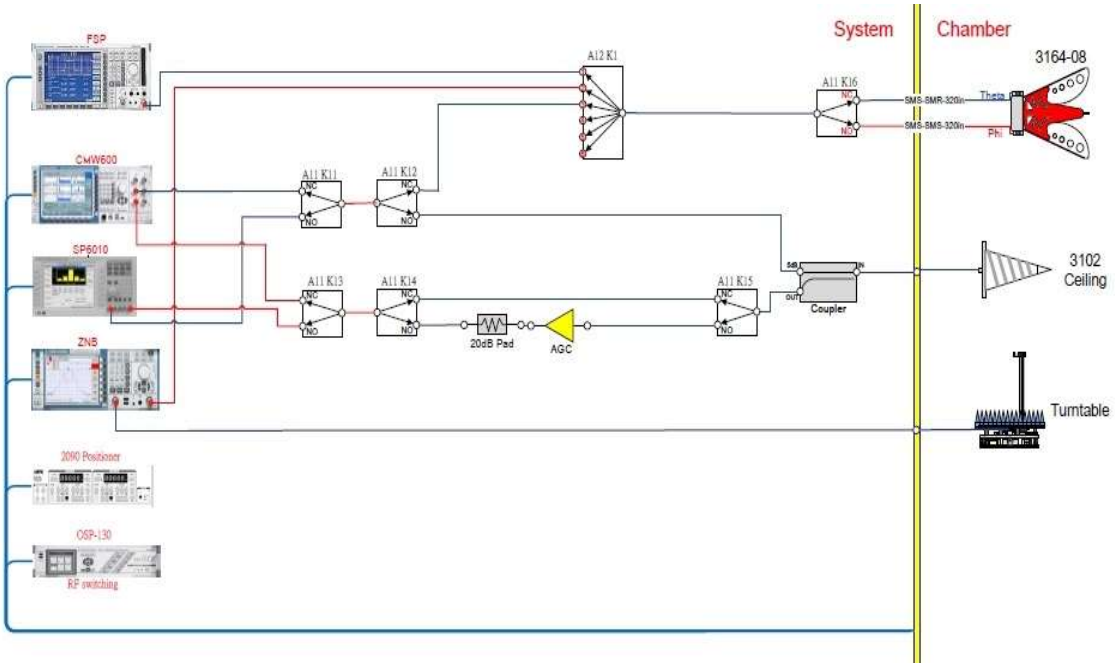
1.1 Measurement Method and System

<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>

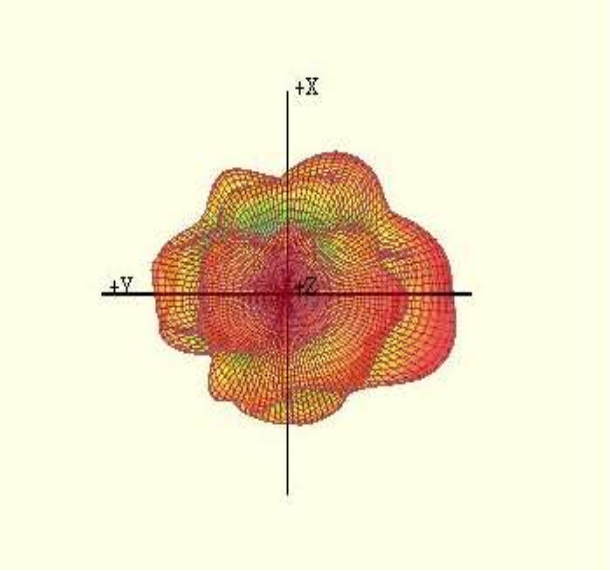
Device	Type / Model	Manufacturer	Cal. Date	Cal. Daye
Customized Switch Module		BWant	N/A	N/A
Programmable Attenuator	PATT–121-4	BWant	N/A	N/A
Horn Antenna	700MHz~10GHz	BWant	2023.04.15	2023.04.15
Network Analyzer	ZNB 20	Rohdes&Schwarz	2023.05.21	2023.05.21
Cable	LL142	Fairview Microwave	2023.03.22	2023.03.22
Turn table	—	BWant	N/A	N/A
Anechoic Chamber	—	BWant	2023.10.22	2023.10.22

2. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

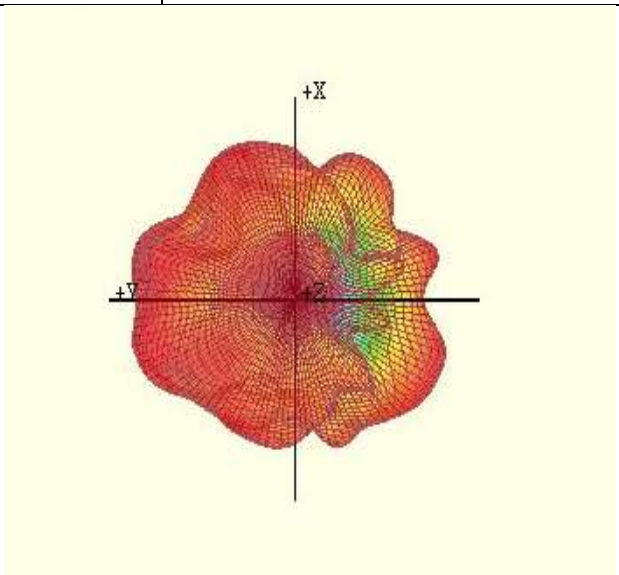
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.71



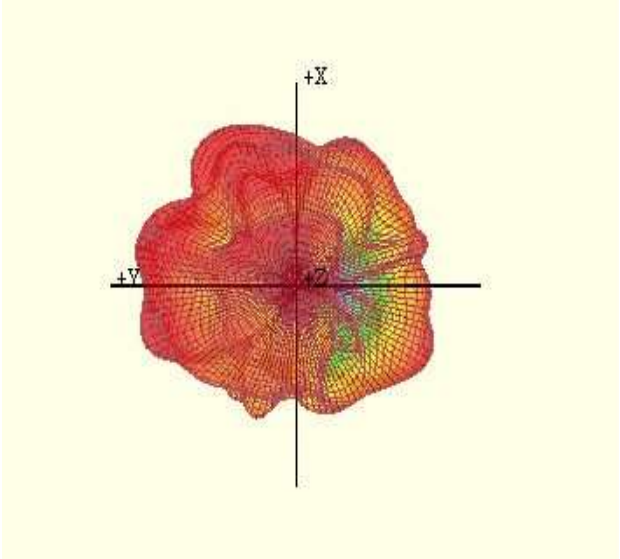
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.66



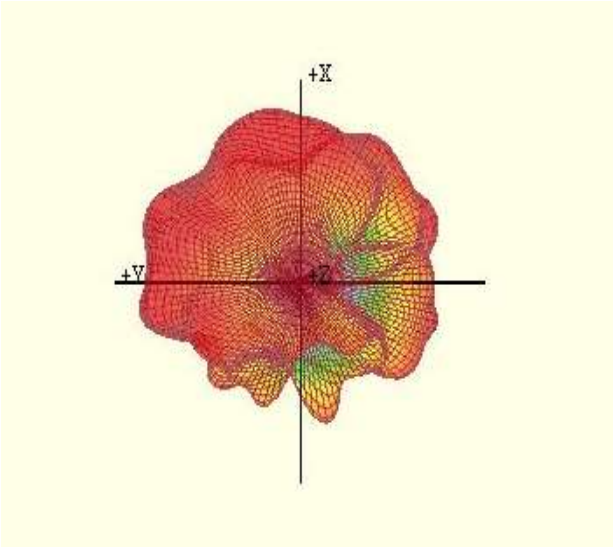
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.66



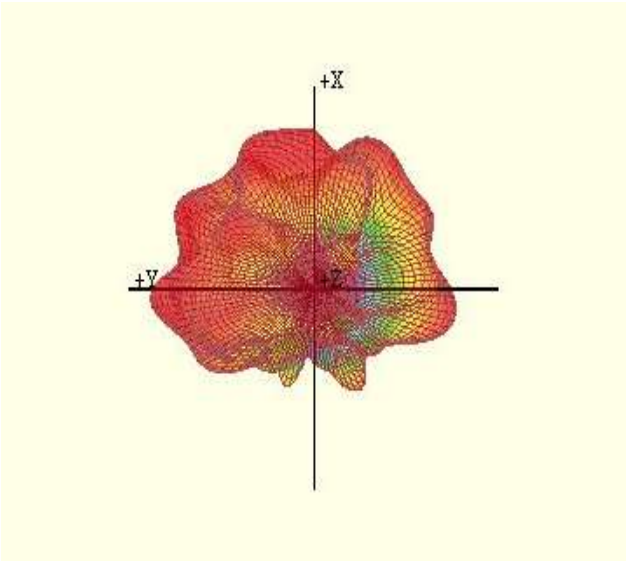
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.21



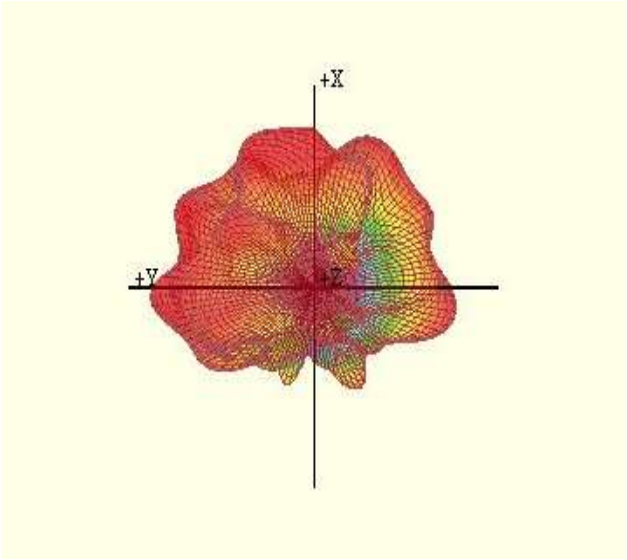
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.67



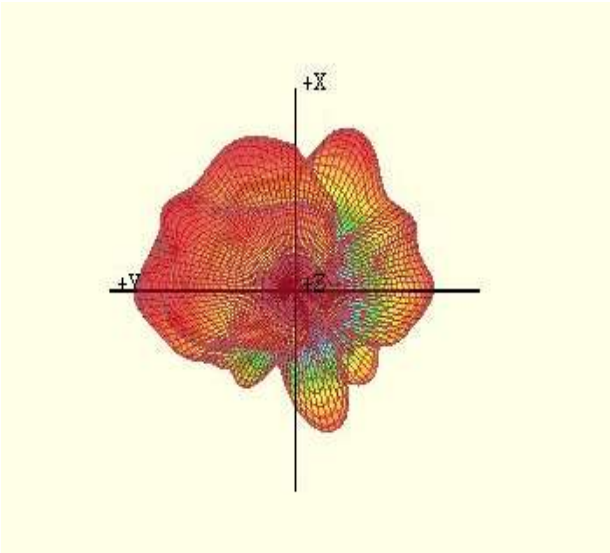
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.67



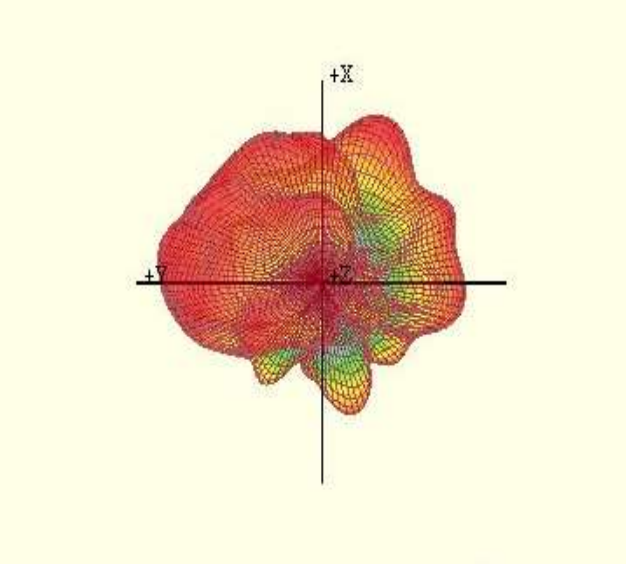
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.65



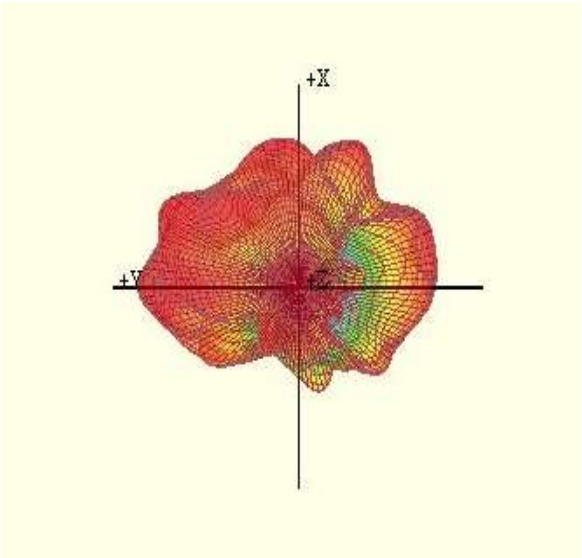
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.02



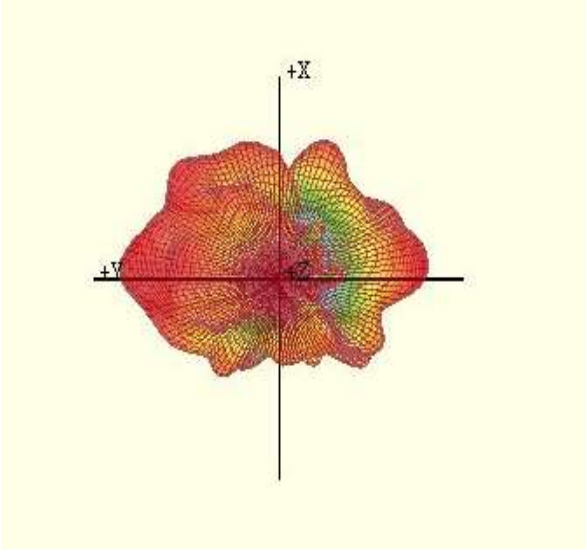
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.49



Max Antenna 3D Radiation Pattern 6875-7125 MHz

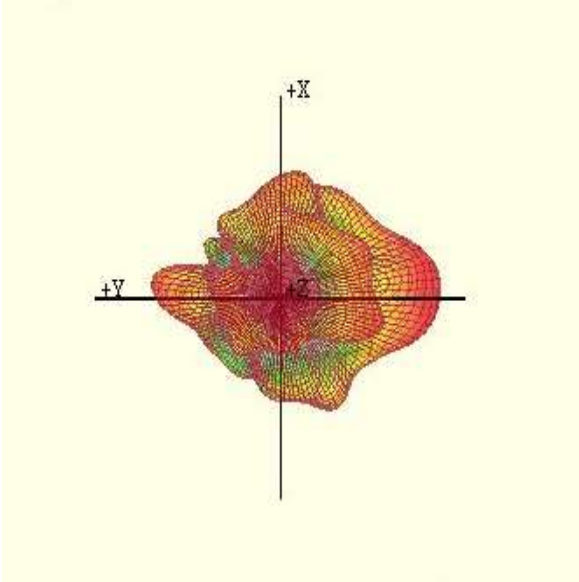
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.60



Auxiliary Antenna

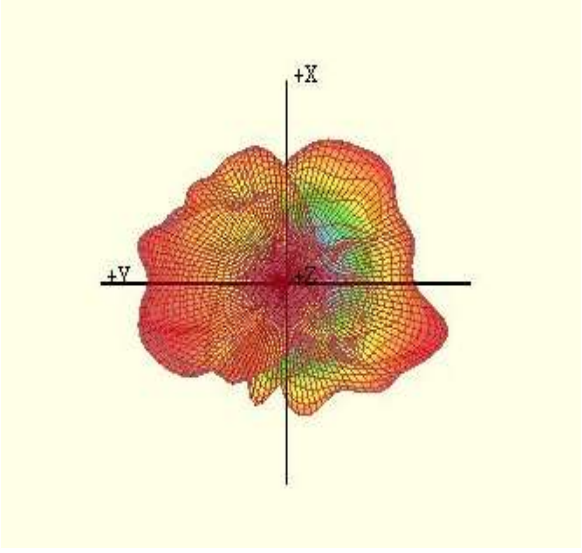
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.62



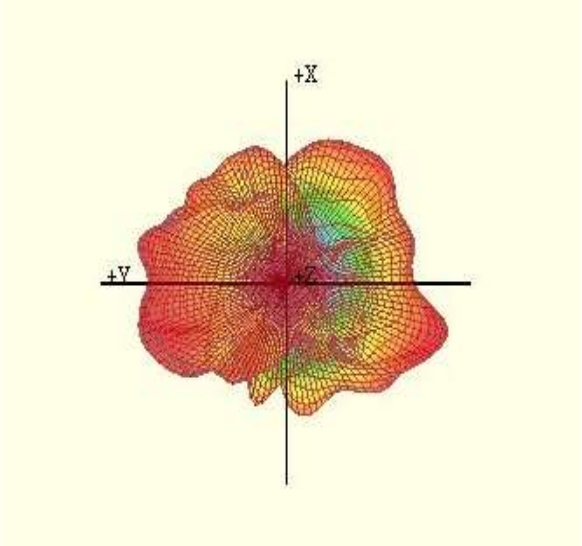
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.11



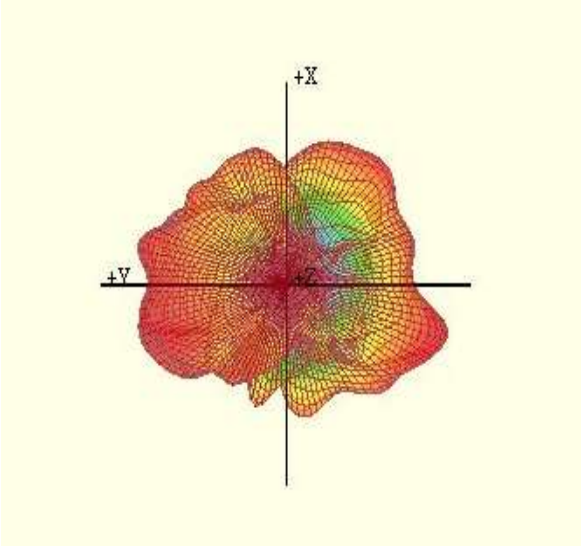
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.11



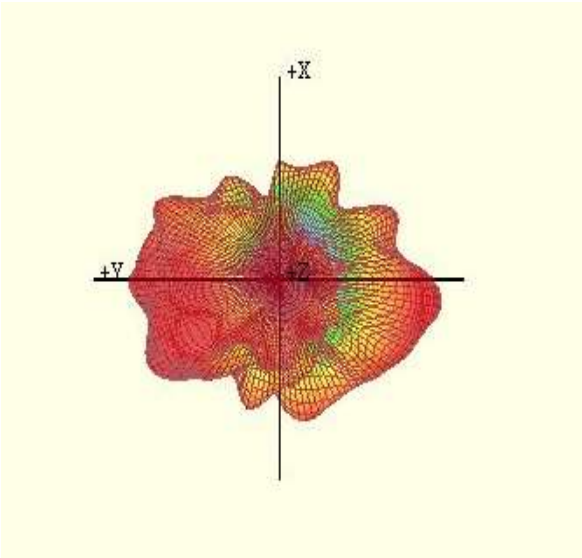
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	1.55



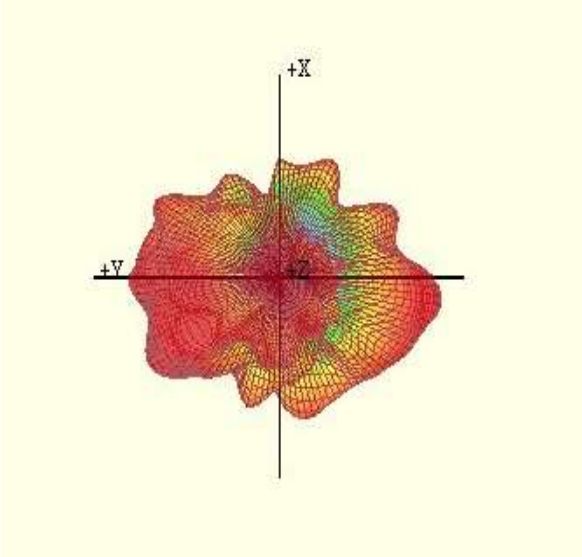
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	1.88



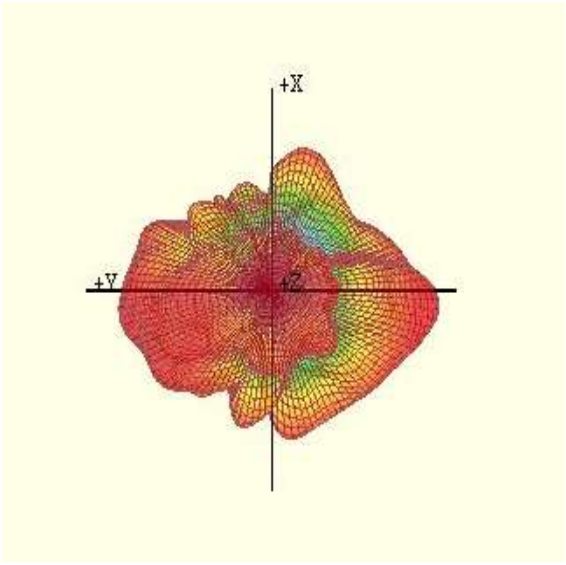
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	1.88



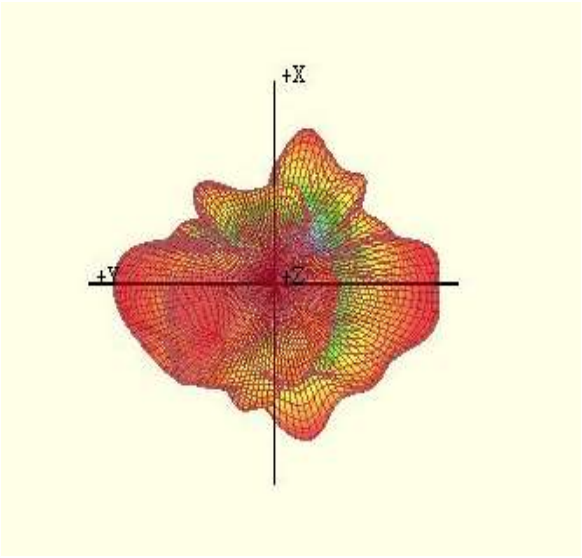
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.76



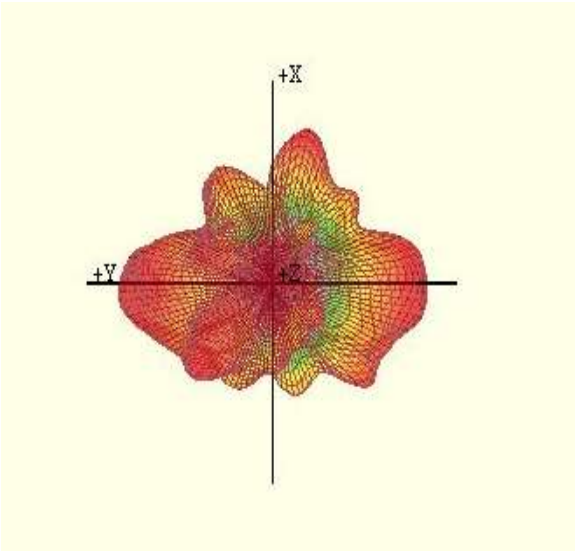
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.76



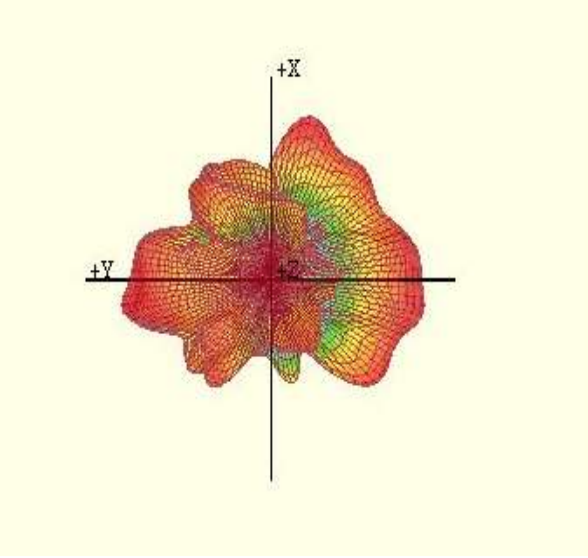
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.70



Max Antenna 3D Radiation Pattern 6875-7125 MHz

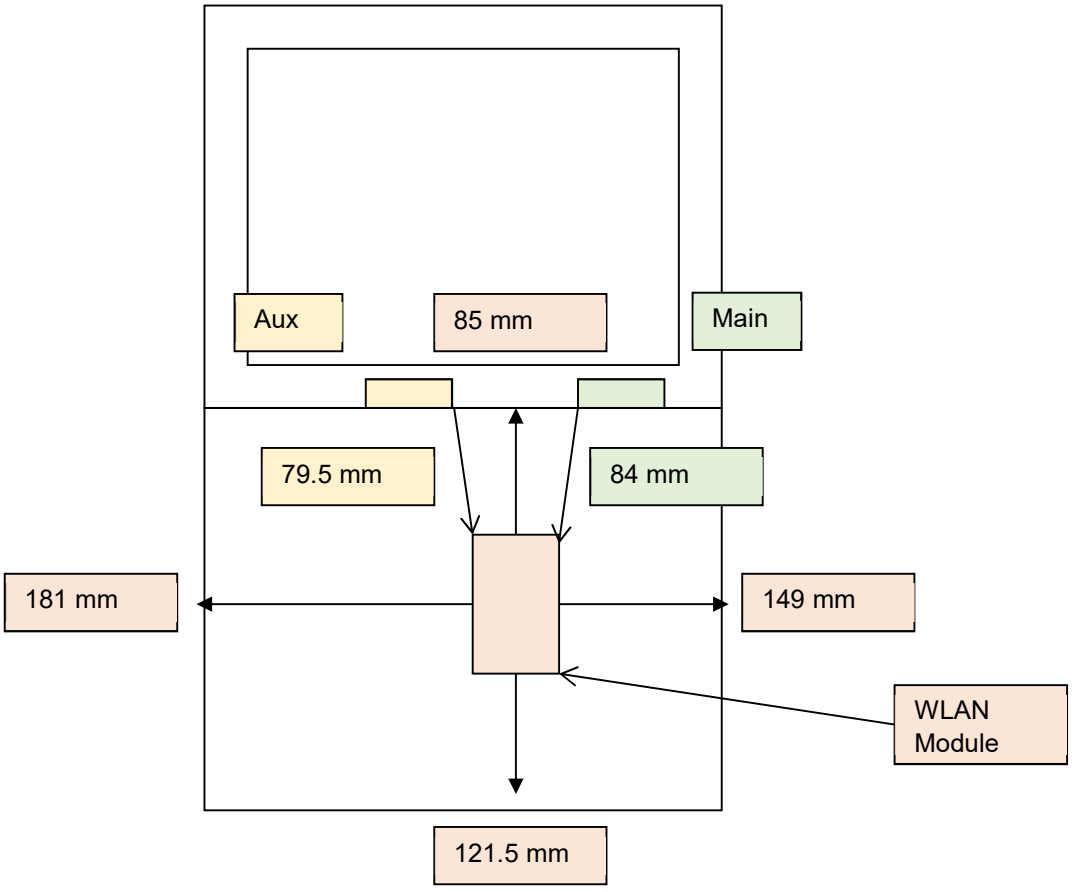
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.78



Annex B. Antenna Location

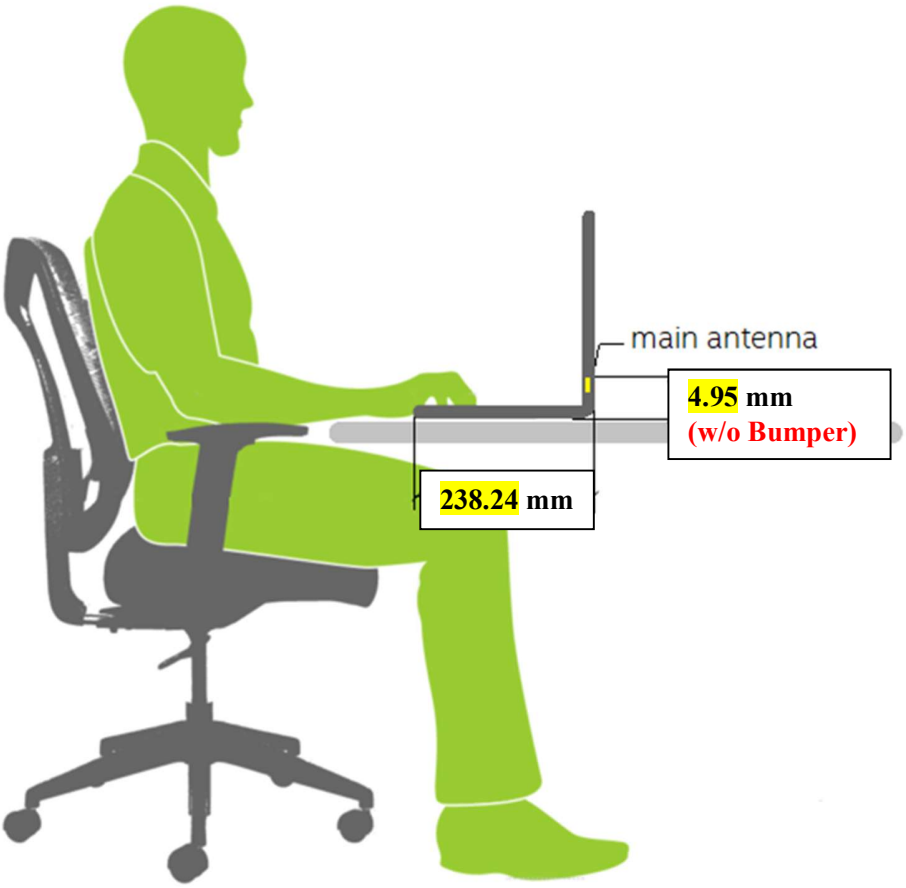
B.1 Antenna Host Platform Location Information

Include a dimensioned photo(s) or dimensioned drawing(s) of Main and Aux antenna placements (measurements are not required for receive-only antenna).
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.



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.



Annex C. Antenna Information

C.1 Antenna Assembly Specifications

1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E *Total Peak Gain W/ Cable loss (dBi)	1F Total Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
DC33002PX00 (N12-8274-R0A)	Shenzhen South Star Technology Ltd	PIFA	50 ohm Coaxial length: 292cm diameter : 1.13mm_LLS Connector : Kangshuo MHF-B13-N-01	2400-2483.5	1.71	2.52	3	0.81
				5150-5250	2.66	3.87	3	1.21
				5250-5350	2.66	3.87	3	1.21
				5470-5725	2.21	3.45	3	1.24
				5725-5850	2.67	3.93	3	1.26
				5925-6425	2.65	3.97	3	1.32
				6425-6525	2.02	3.37	3	1.35
				6525-6875	2.49	3.87	3	1.38
				6875-7125	2.60	4.22	3	1.42
DC33002PX00 (N12-8274-R0A)	Shenzhen South Star Technology Ltd	PIFA	50 ohm Coaxial length: 365cm diameter : 1.13mm_LLS Connector : Kangshuo MHF-B13-N-01	2400-2483.5	1.62	2.63	3	1.01
				5150-5250	2.11	3.62	3	1.51
				5250-5350	2.11	3.62	3	1.51
				5470-5725	1.55	3.10	3	1.55
				5725-5850	1.88	3.46	3	1.58
				5925-6425	2.76	4.12	3	1.66
				6425-6525	2.76	4.15	3	1.69
				6525-6875	2.70	4.43	3	1.73
				6875-7125	2.78	4.36	3	1.78