

ANTENNA INFORMATION

OEM	Lenovo
ODM	HQ
Platform model name	Yoga Slim 7 14IMH9
Platform type (ex: regular NB, convertible PC, AIO...etc)	Regular NB
SAR minimum separation (mm)	9.01

Antenna manufacturer	AWAN		
Address	No.925 Huayuan Road,Zhangpu Town,Kunshan City,Jiangsu Province		
Antenna Part number	Main: AYP6Y-200080	Aux: AYP6Y-200080	
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	2.54	2.5	2.79	2.51	2.84	2.71	2.83	2.98	1.38	2.09
Aux	2.7	2.26	1.45	2.03	2.22	2.44	2.89	1.74	1.91	2.65

Cable Assembly Part Number and Information					
	Cable PN	Cable length(cm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	CY7006-0249504/CY7006-0249505	20.5	1.13	50	I-PEX NGFF:20565-001R-13/KangShuo NGFF:MHF-B13-N-01
Aux	CY7006-0205004/CY7006-0205005	24.95	1.13	50	I-PEX NGFF:20565-001R-13/KangShuo NGFF:MHF-B13-N-01

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

Table of Contents

Cover page.....	1
1. Document Revision History.....	3
2. Test & System Description	
2.1 Measurement Method and System.....	4
2.2 Test setup.....	4
2.3 Equipment list.....	4
3. Radiation characteristics of antenna loaded in Host Platform.....	5
Annex A. Photographs	
A.1 Setup Photo.....	15
A.2 Test sample.....	16
Annex B. Antenna Location	
B.1 Antenna Host Platform Location Information.....	20
B.2 Antenna dimensional information for SAR evaluation.....	21

Revision #	Revision Details	Issued Date
Rev. 00	First Issue	2023.09.18

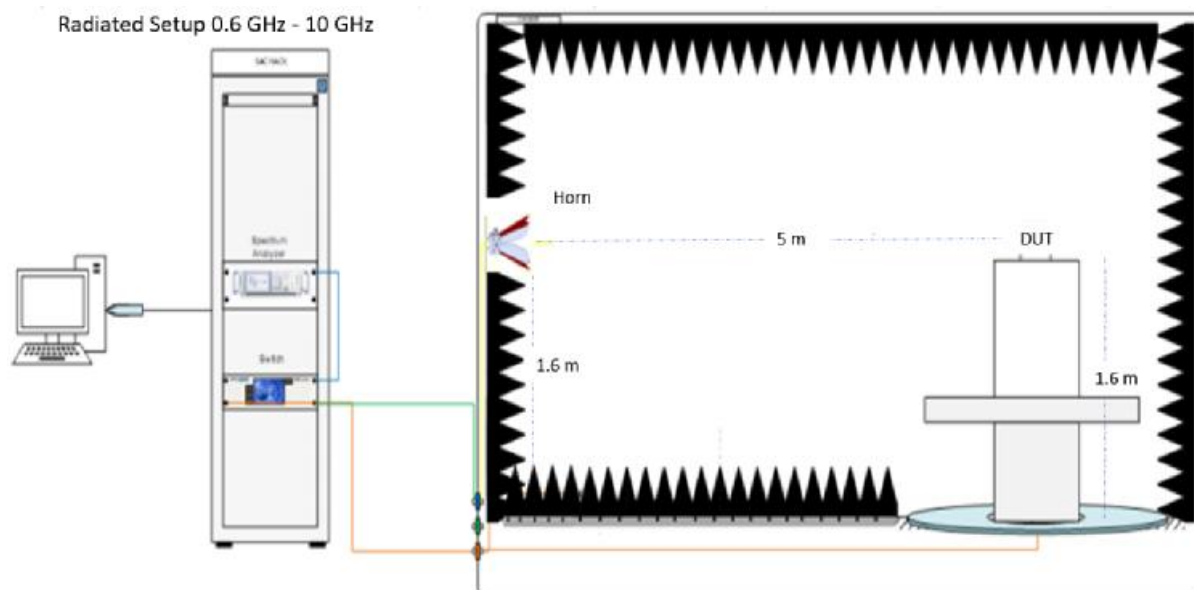
1. Document Revision History

2. Test & System Description

2.1 Measurement Method and System

1. Use a low-loss coaxial cable to connect the notebook fixture
2. Fix the notebook fixture on the turntable
3. Connect the jig to the network analyzer port, and use the antenna of the test probe to collect data.

2.2 Test setup



2.3 Equipment list

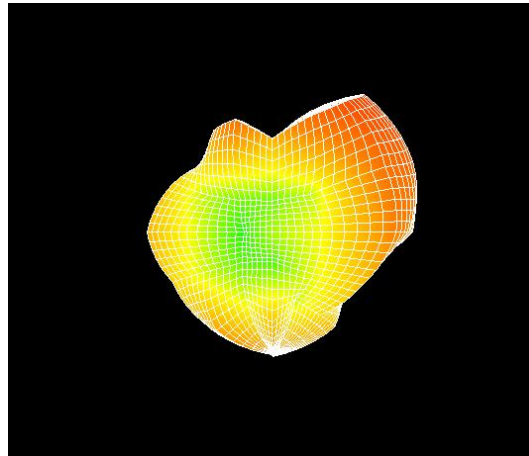
Number	Device	Manufacturer	Cal. Date	Cal. Due. Date
1	Chamber	ETS-Lindgren	2023/1/14	2024/1/13
2	Horn Antenna	Bwant	2023/1/14	2024/1/13
3	Network Analyzer	Keysight	2023/3/13	2024/3/12
4	Turn table control box	ETS-Lindgren	N/A	N/A
5	Turn table control computer	ETS-Lindgren	N/A	N/A
6	Test system host	EMT	N/A	N/A
7	RF Line TX	Jmtt	2023/2/5	2024/2/4
8	RF Line RX	Jmtt	2023/2/5	2024/2/4
9	Cable 2m 1KHz-8.5GHz	Jmtt	2023/2/5	2024/2/4
10	optical fiber line	Jmtt	N/A	N/A

3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

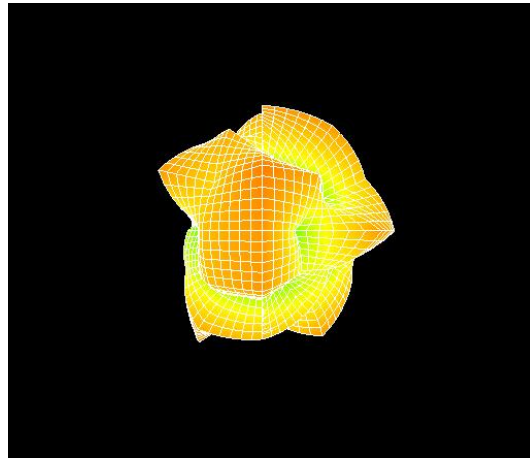
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.54



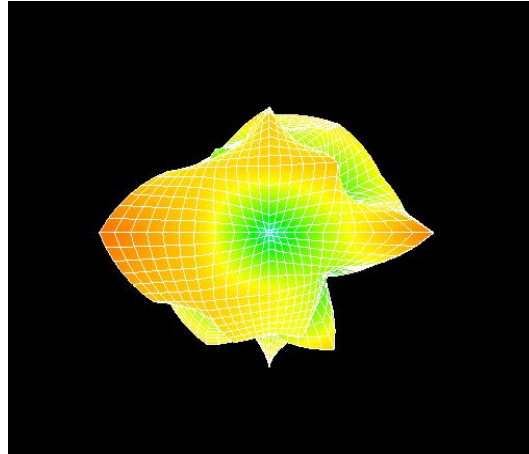
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.5



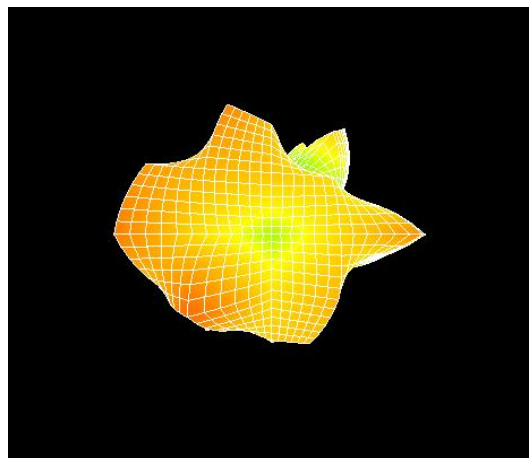
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.79



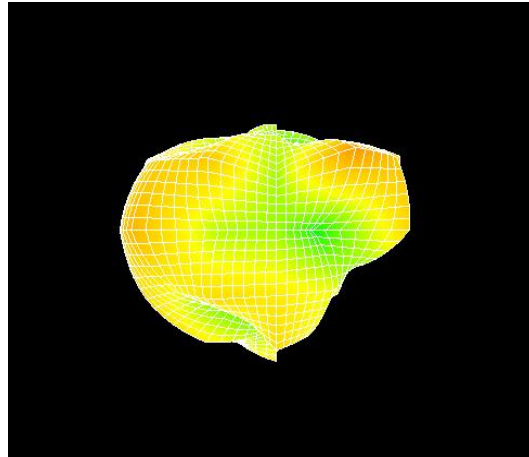
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.51



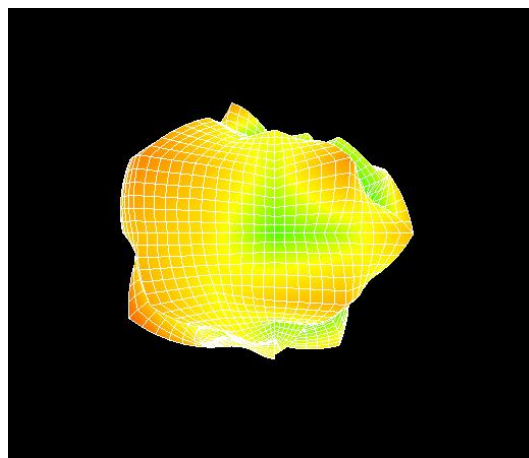
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.84



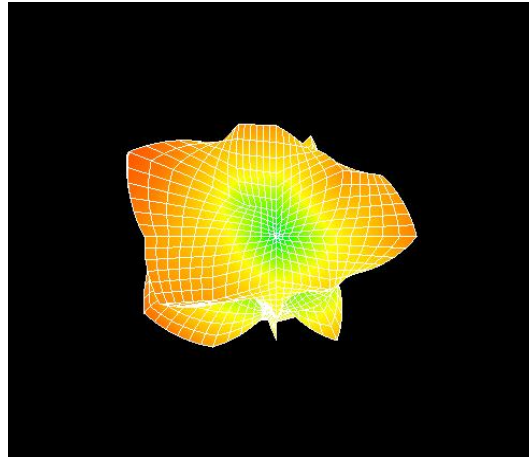
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.71



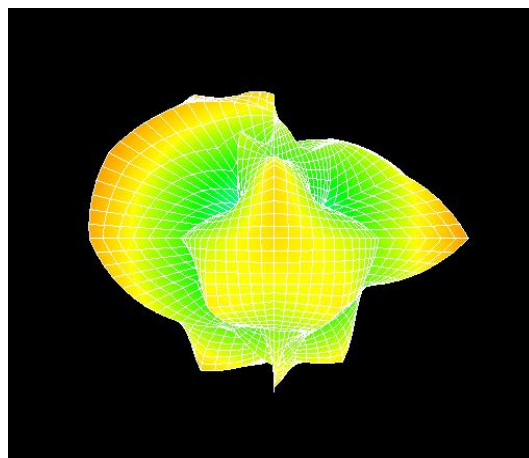
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.83



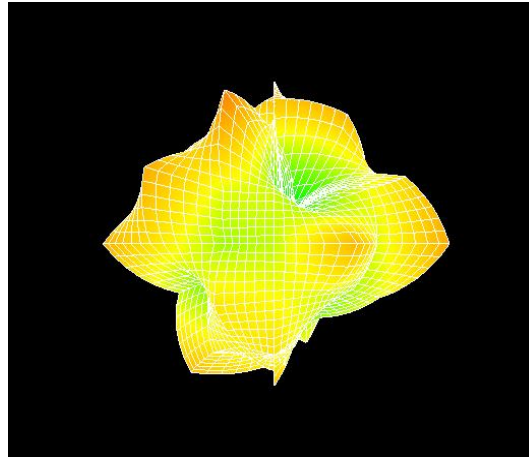
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.98



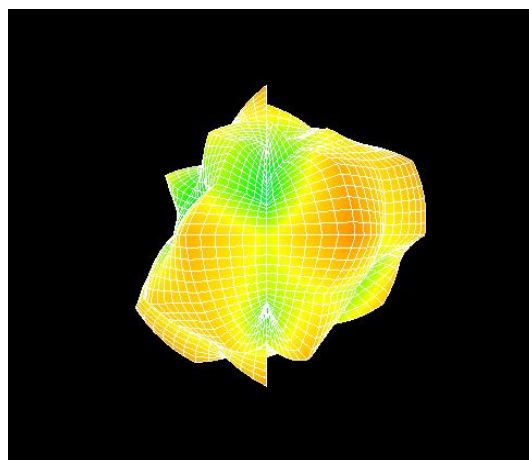
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.38



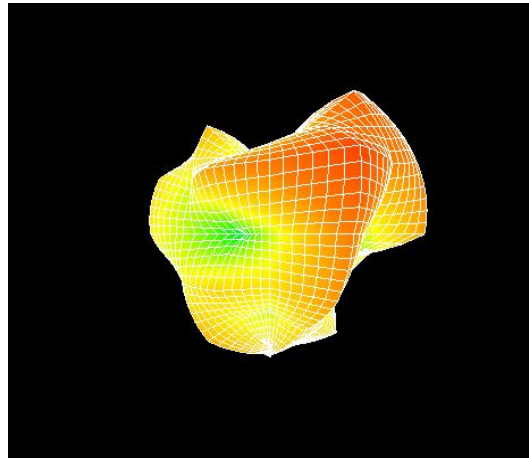
Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.09

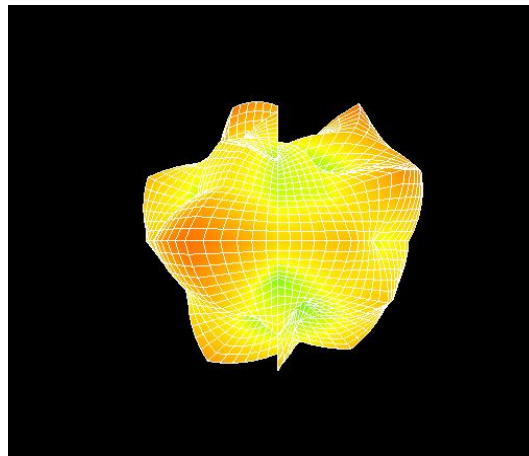


Auxiliary Antenna**Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.7

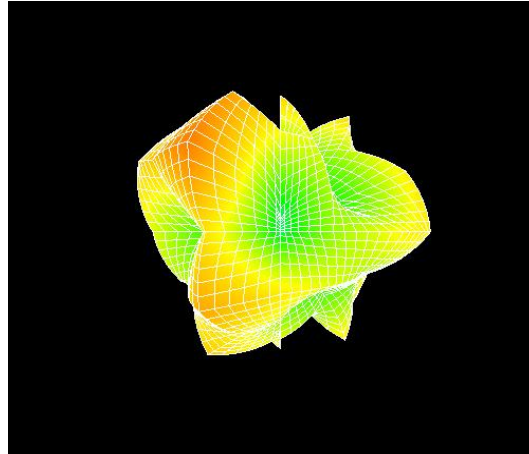
**Max Antenna 3D Radiation Pattern 5150-5250 MHz**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.26



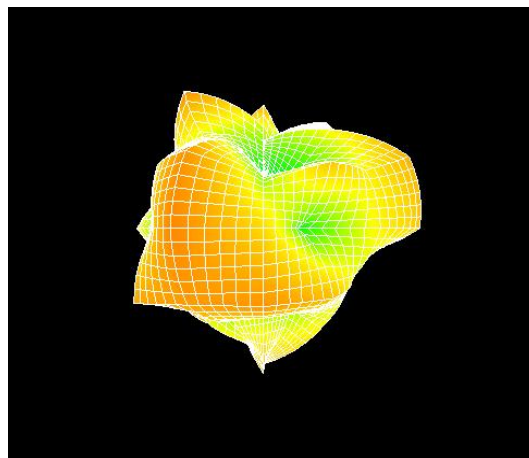
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.45



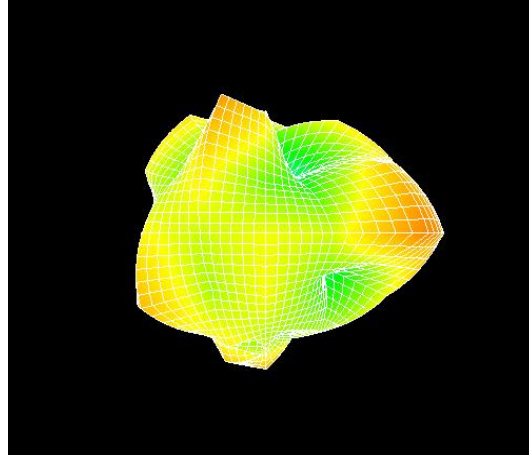
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.03



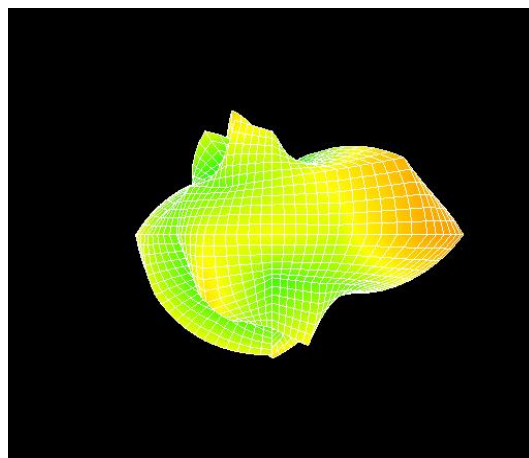
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.22



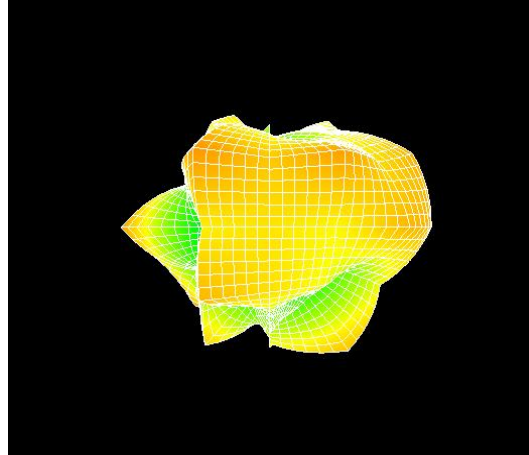
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.44



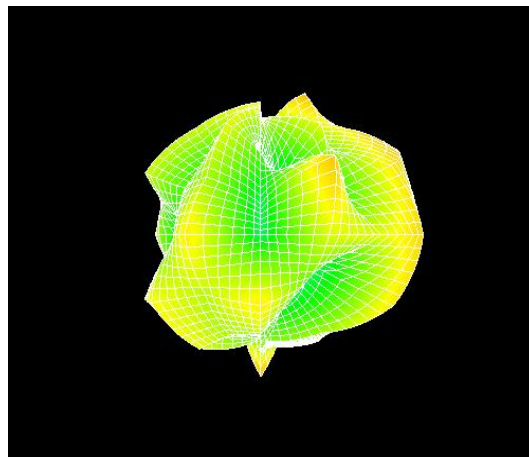
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.89



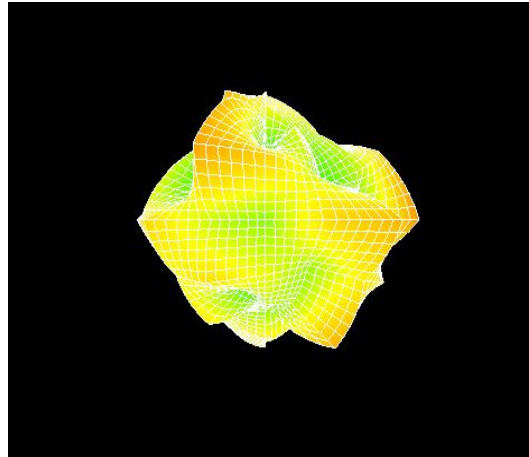
Max Antenna 3D Radiation Pattern 6425-6525 MHz

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



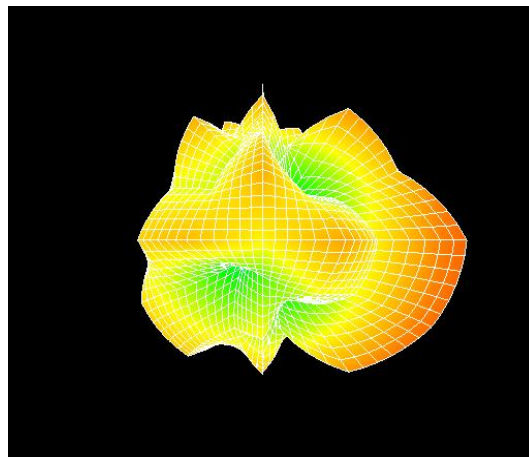
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.91



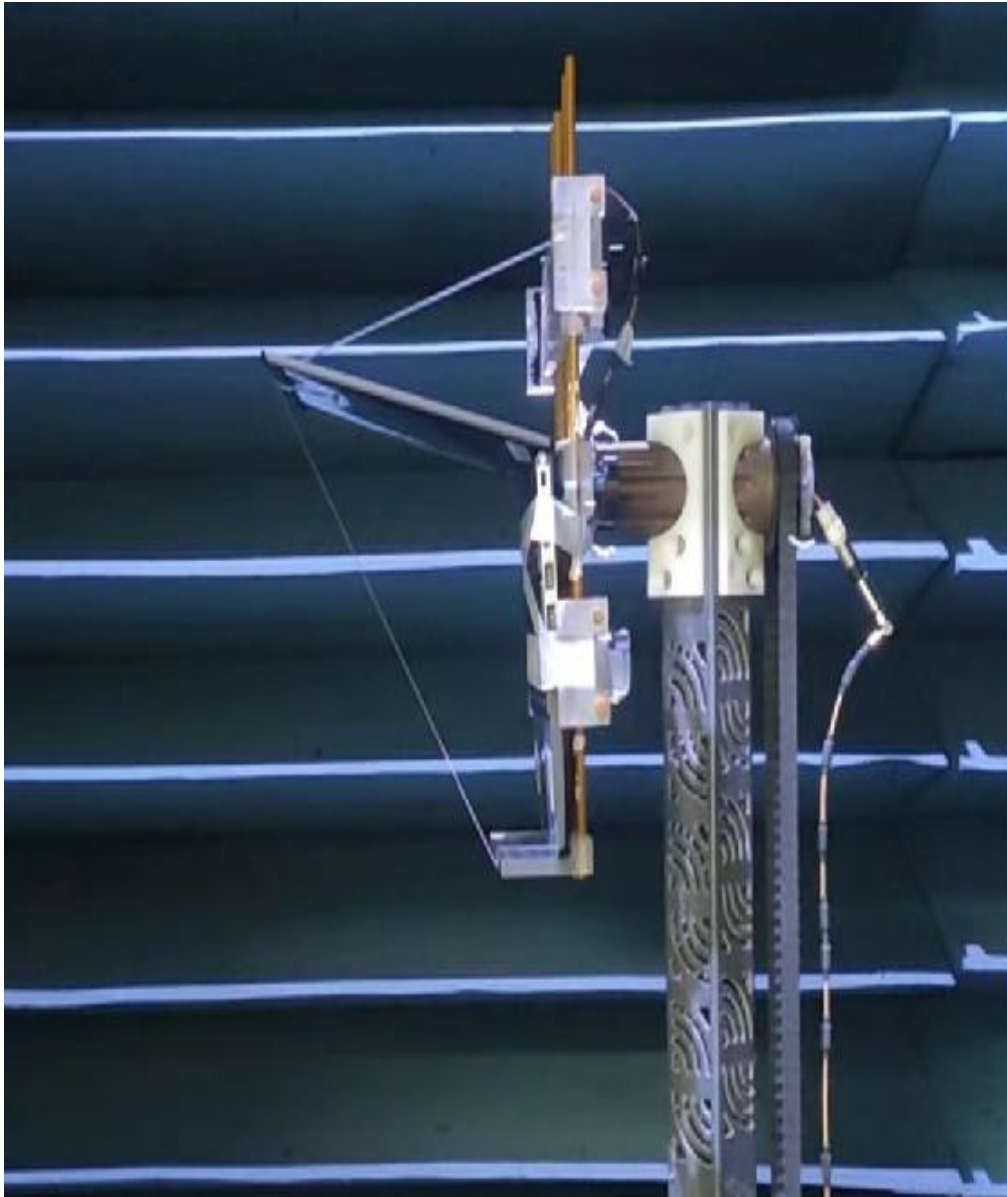
Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.65



Annex A. Photographs

A.1 Setup Photo

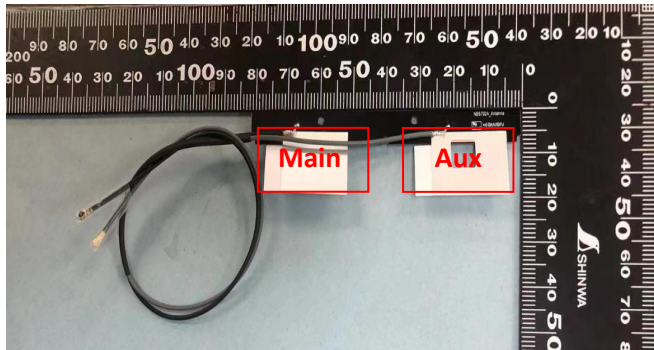
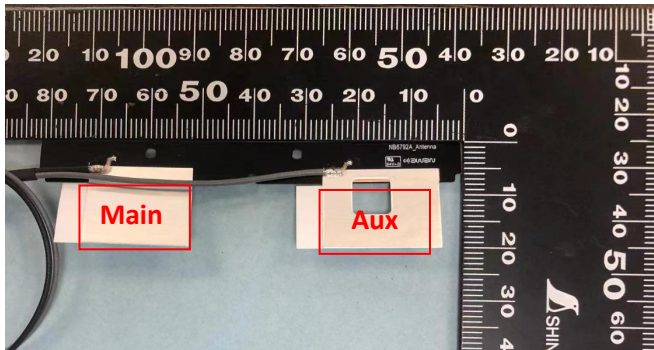


Antenna Drawing

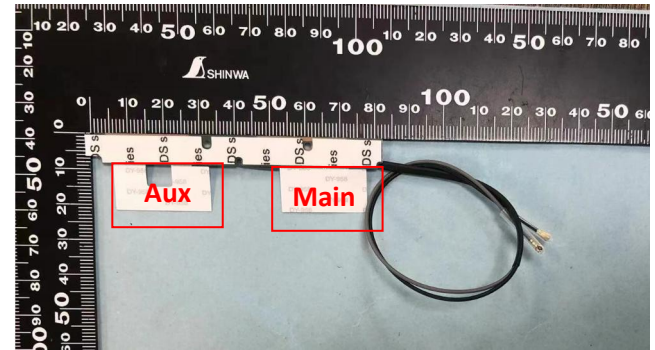
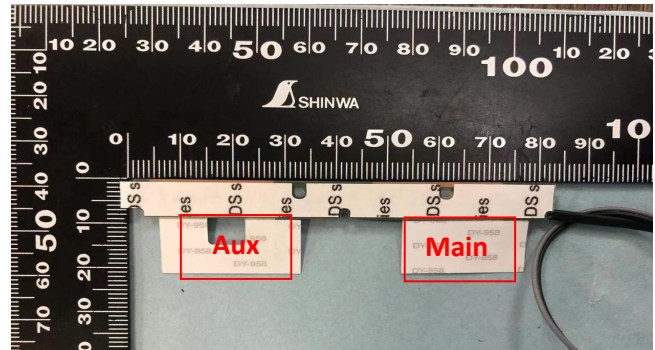


Antenna Photo

Front

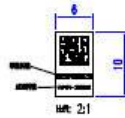
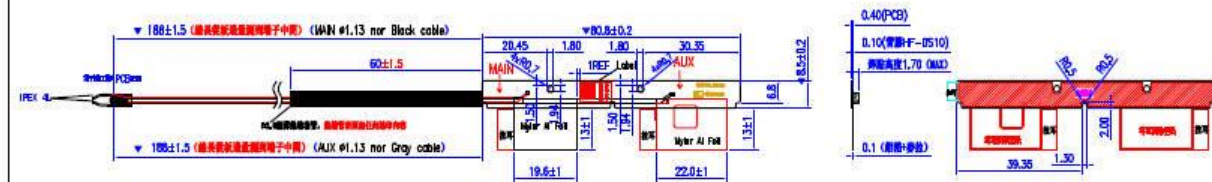


Back



Note: antenna photo should include L type ruler

1	2	3	4	5	6	7	8			
AWAN P/N	AYP6Y-200080				Rev.	Ed#	Description	Insert/Date	Checked/Date	Approved/Date
Customer P/N	HQ26006000220				11		NEW RELEASE	WC 06/28/25	Jerry 06/28/25	Jerry 06/28/25
					12		release, AYP6Y-200080	WC 06/28/25	Jerry 06/28/25	Jerry 06/28/25
					13		WPCOMM	WC 06/14/25	Jerry 06/14/25	Jerry 06/14/25
					14		WPCOMM, release	WC 06/31/25	Jerry 06/31/25	Jerry 06/31/25

[illegible]

8	Lable	1	XXX		PPD
9	PC connector terminals	1	TURB202-0000705		Tube
10	HIP (HF-D516)	1	XXXX		Tape
11	Wipe	2	I-UU015-1800000		Tube
12	OD 1.13 HIP Rods+PEX 4L	1	2000-0000000		Cable
13	OD 1.13 HIP GRV4+PEX 4L	1	2000-0000000		Cable
14	AUX A1 Fall	1	P-T-P-20 1517200100	AI	
15	AUX A1 Fall	1	P-T-P-20 1519196010	AI	
16	ALAH PCBGA-fans	1	XXXX		PCB
Item	Name	Qty		Unitcost / Finish	
Material Data		Part #			
	VIC	08/21/25'	awari www.awari.com		
	VIC	08/21/25'			
	Jerry	08/21/23'			
	Jerry	08/21/23'			
res	Customer Drawing		NBS792A antenna	Rev	A3
				Asy No.	X1

HALOGEN FREE

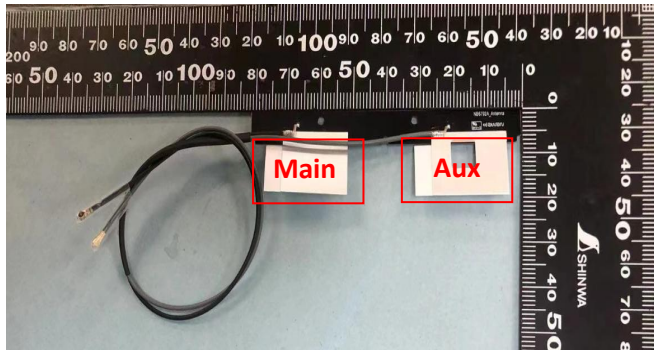
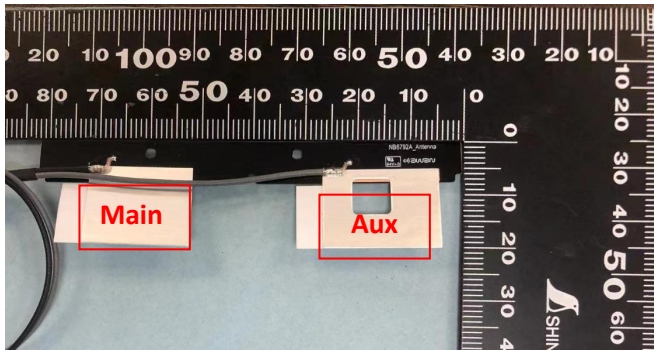
This document and information contained herein are the property of ABBM.
copies are issued in strict confidence and shall not be reproduced or copied,
or used as the basis of manufacture or sale of apparatus without permission

HSF相關物質分析及鑑定結果參照
<HSF均質物質分析作業圖示表>

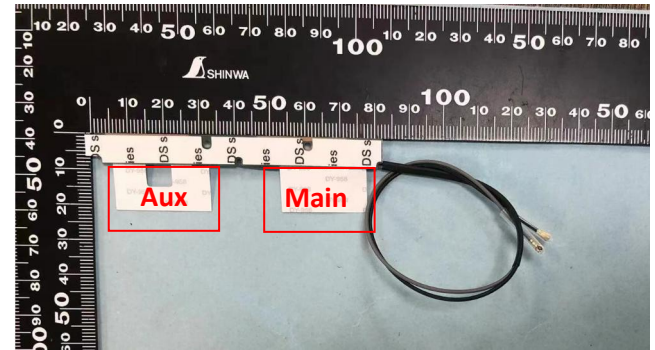
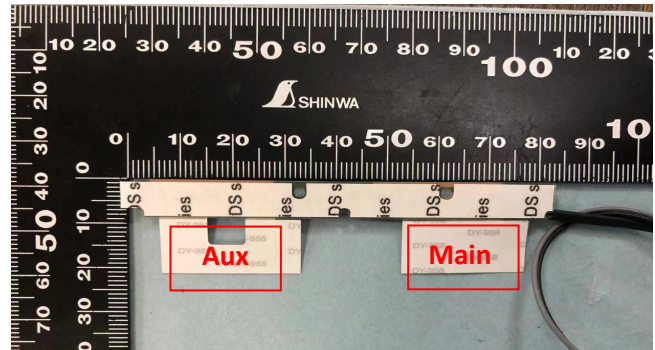
符合AWAN環境管理物質技術標準
All materials meet the AWAN's spec. Environment - related substances management technical standard.

Antenna Photo

Front



Back



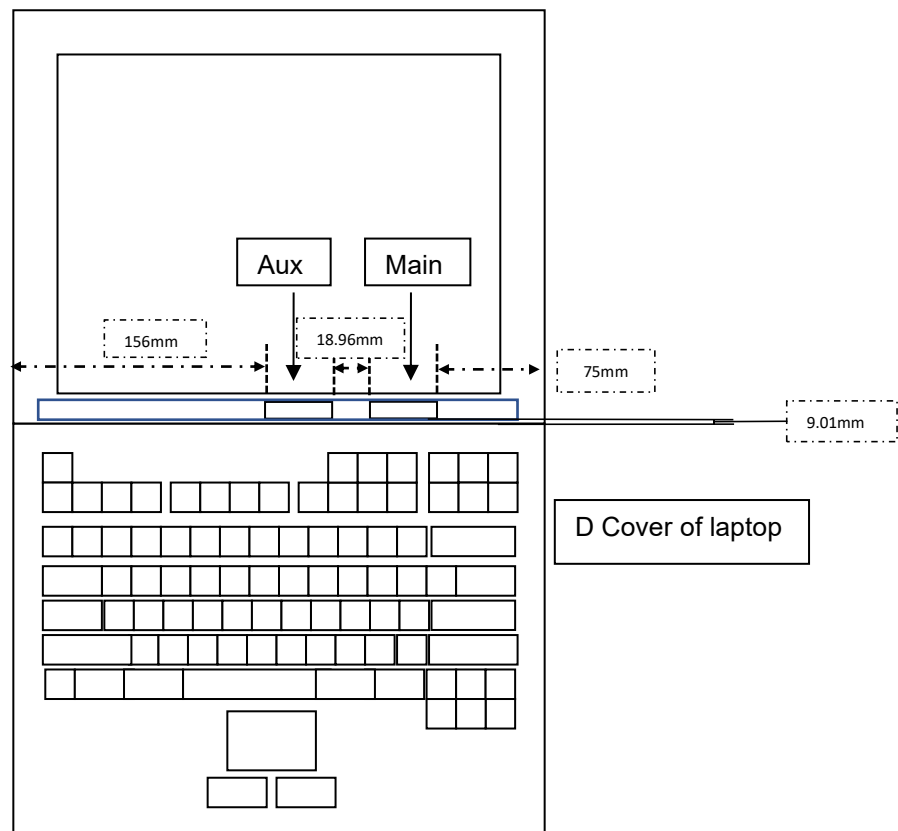
Note: antenna photo should include L type ruler

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.



Note: Antenna inside the hinge

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.

