

ANTENNA INFORMATION

OEM	Lenovo
ODM	LCFC
Platform model name	Yoga 9 2-in-1 14ILL10
Intel platform (ex: Yes, No or NA)	Yes
Platform type (ex: regular NB, convertible PC, AIO...etc)	Convertible PC
SAR minimum separation (mm)	FCC (1g) NB Mode : 0.8mm ;Pad Mode : 0.5mm ISED (1g) NB Mode : 0.8mm ;Pad Mode : 0.5mm ISED (10g) 0.5mm

Antenna manufacturer	Company name	Luxshare-ict
	Address	No. 277, Baisheng Road, Jinxi Town, Kunshan City, Suzhou
Test location	Company name	Luxshare-ict
	Address	No. 277, Baisheng Road, Jinxi Town, Kunshan City, Suzhou
Test Personnel	Name(Full name)	Fei.Luo
	E-mail	Fei.Luo@luxshare-ict.com
	Tel/Mobile	13235167216
Testing date		2024/10/25

Antenna Part number	Main	DC330025T00
	Aux	DC330025T00
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	1.23	1.40	1.40	2.22	3.94	3.86	4.08	4.14	2.60	2.60
Aux	0.60	2.10	2.11	2.64	0.95	1.09	3.77	2.46	1.97	0.99

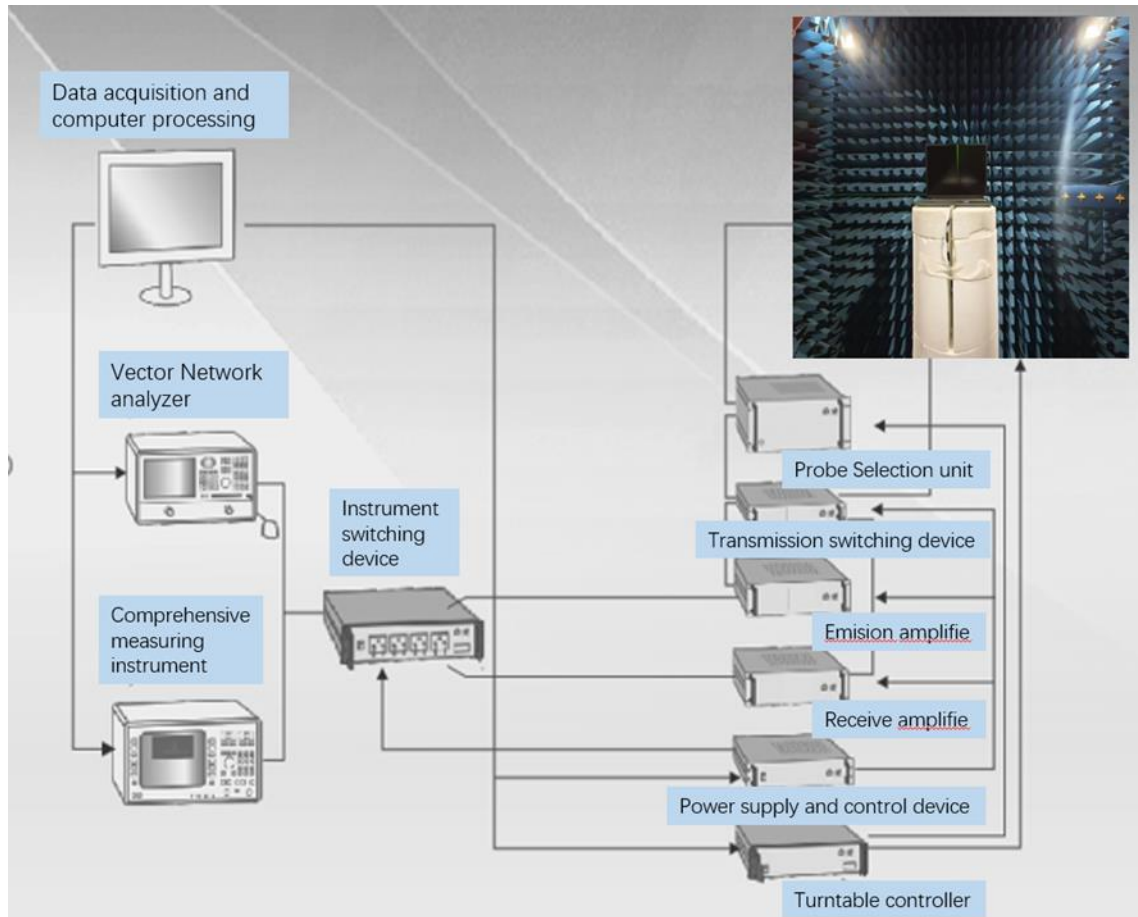
Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY081/50-004	48	0.81	50	IPEX
Aux	SY081/50-003	95	0.81	50	IPEX

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

3.1 Measurement Method and System

This test report is prepared by testing in a dark room that is completely silenced and shielded from external signals .

a. Test setup



3.2 Equipment list

Number	Device	Type/Model	Serial	Manufacturer	Cal. Date	Cal. Due Date
1	EMT24 Chamber	EM-testing	1603000653	EMT	2024/10/15	2024/12/31
2	Turntable control box	EM-testing	1603000653	EMT	2024/10/15	2024/12/31
3	Turntable control computer	EM-testing	1603000653	EMT	2024/10/15	2024/12/31
4	Tx/rx RF power and its control unit	EM-testing	1603000653	EMT	N/A	N/A
5	Probe switch array	EM-testing	1603000653	EMT	N/A	N/A
6	Test system host	EM-testing	1603000653	EMT	N/A	N/A
7	Network analyzer	E5071C	1603000653	EMT	2023/12/31	2024/12/31
8	RF line TX	EM-testing	1603000653	EMT	N/A	N/A
9	RF line RX	EM-testing	1603000653	EMT	N/A	N/A
10	UPS uninterruptible power supply	Castle	1603000653	EMT	N/A	N/A
11	24 Probe Antenna	EM-testing	1603000653	EMT	2024/10/15	2024/12/31
12	Cable 3m 400MHz~8.5GHz	EM-testing	1603000653	EMT	2023/9/30	2024/12/31

Annex A. Photographs

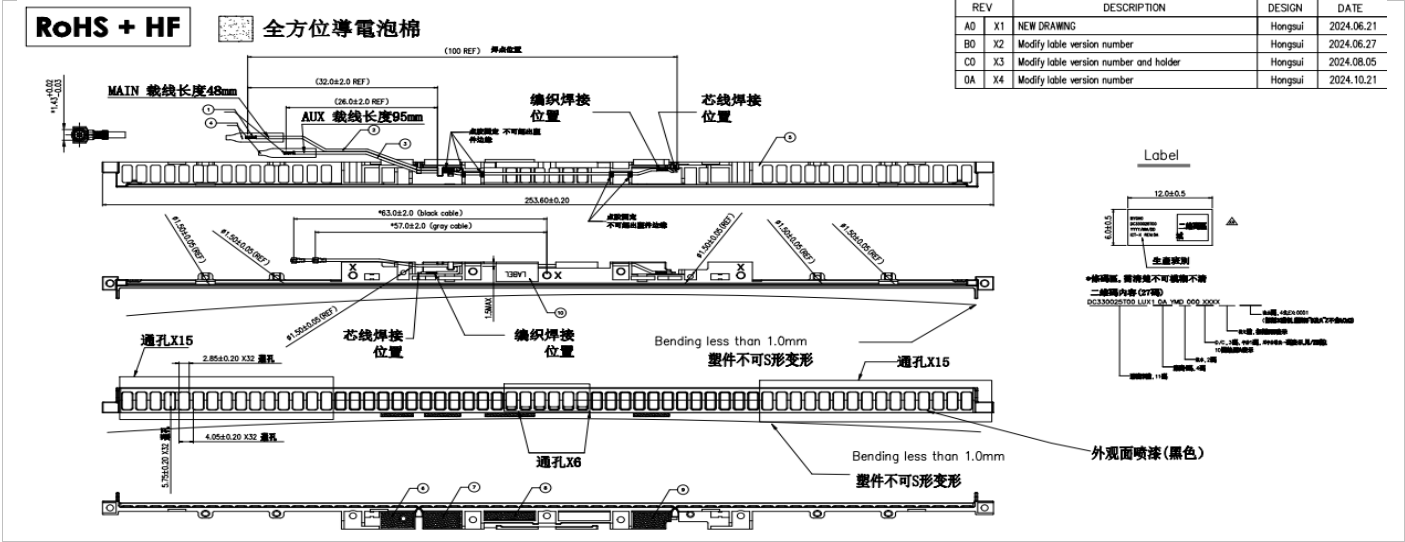
A.1 Setup Photo



A.2 Test sample

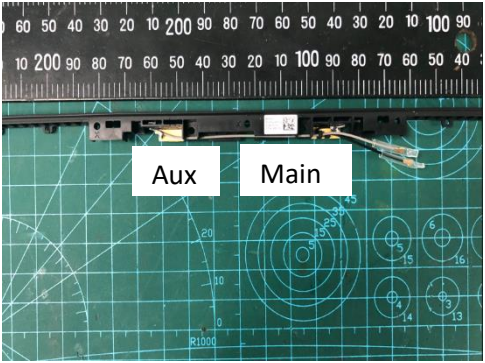
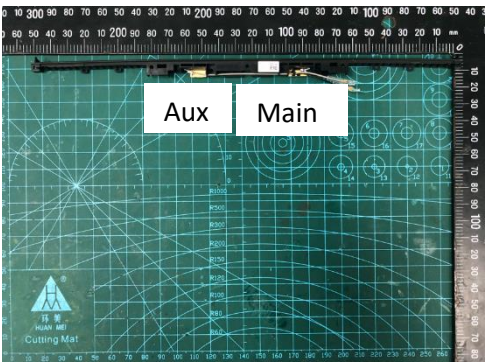
Main Antenna

Antenna Drawing

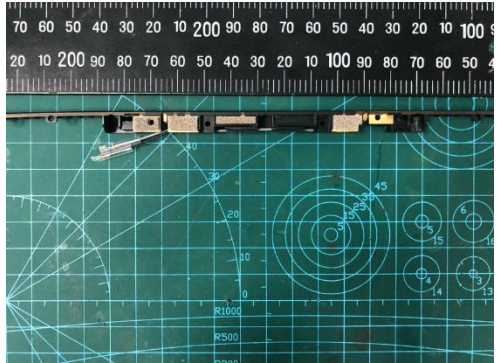
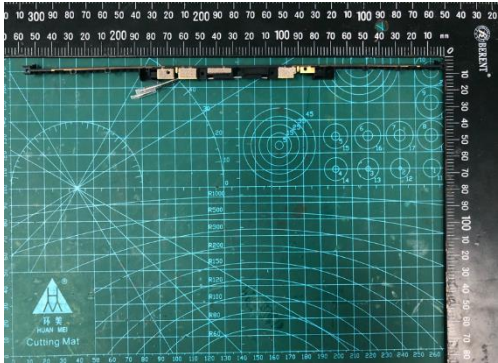


Antenna Photo

Front



Back



Aux Antenna

Antenna Drawing

RoHS + HF

✶

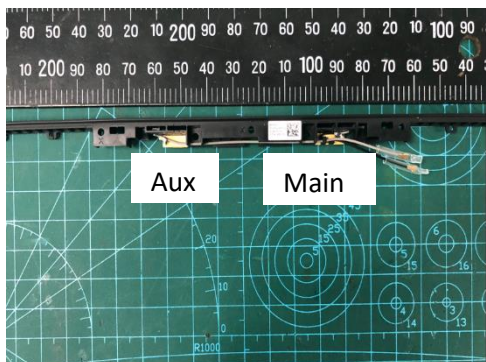
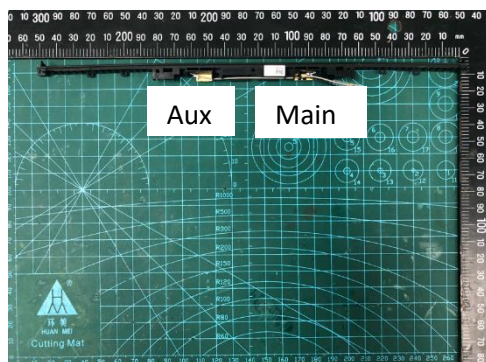
全方位導電泡棉

REV	DESCRIPTION	DESIGN	DATE
A0	X1 NEW DRAWING	Hongui	2024.06.21
B0	X2 Modify lable version number	Hongui	2024.06.27
C0	X3 Modify lable version number and holder	Hongui	2024.08.05
DA	X4 Modify lable version number	Hongui	2024.10.21

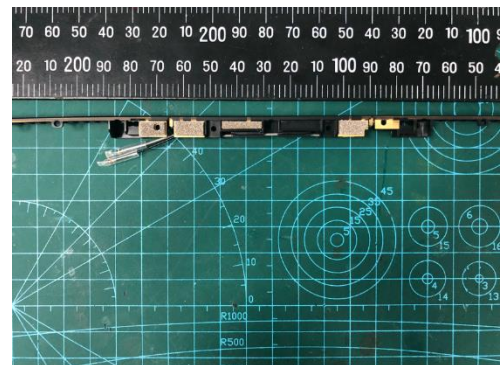
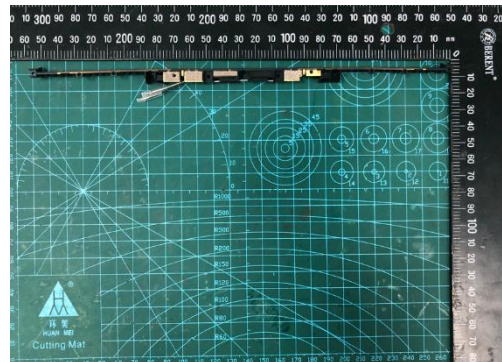
MAIN 載線長度48mm
AUX 載線長度95mm
芯線焊接位置
編織焊接位置
138V1
15A
16A
通孔X15
通孔X6
Bending less than 1.0mm
塑料不可S形變形
外觀面噴漆(黑色)

Antenna Photo

Front



[Back](#)



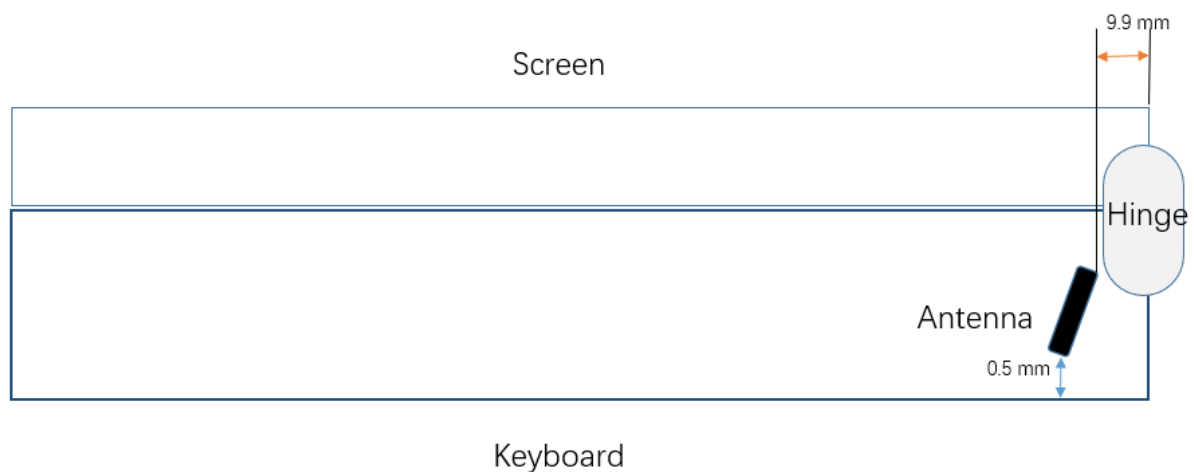
Annex B. Antenna Location

B.1 Antenna Host Platform Location Information

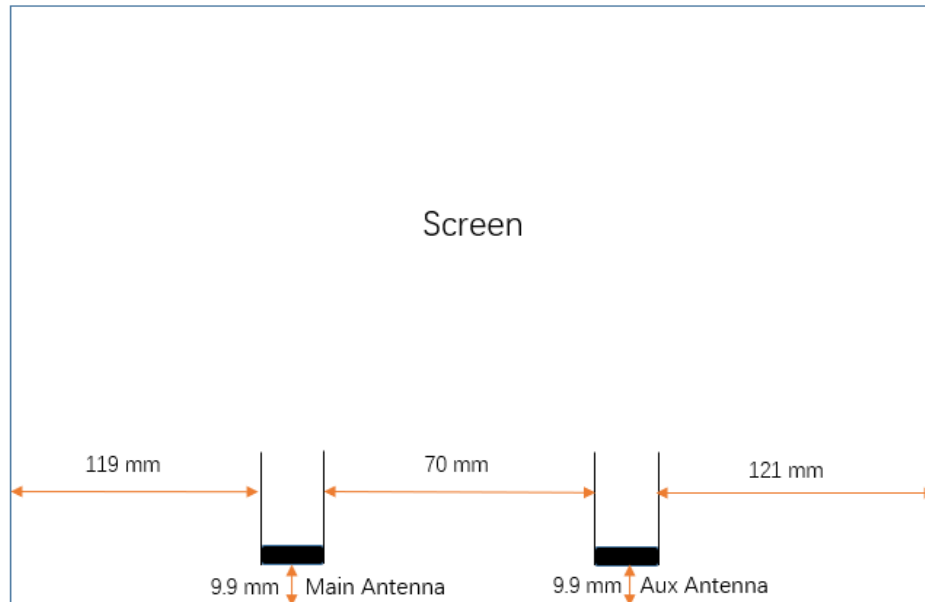
Include a dimensioned photo(s) or dimensioned drawing(s) of Main and Aux antenna placements (measurements are not required for receive-only antenna).

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.

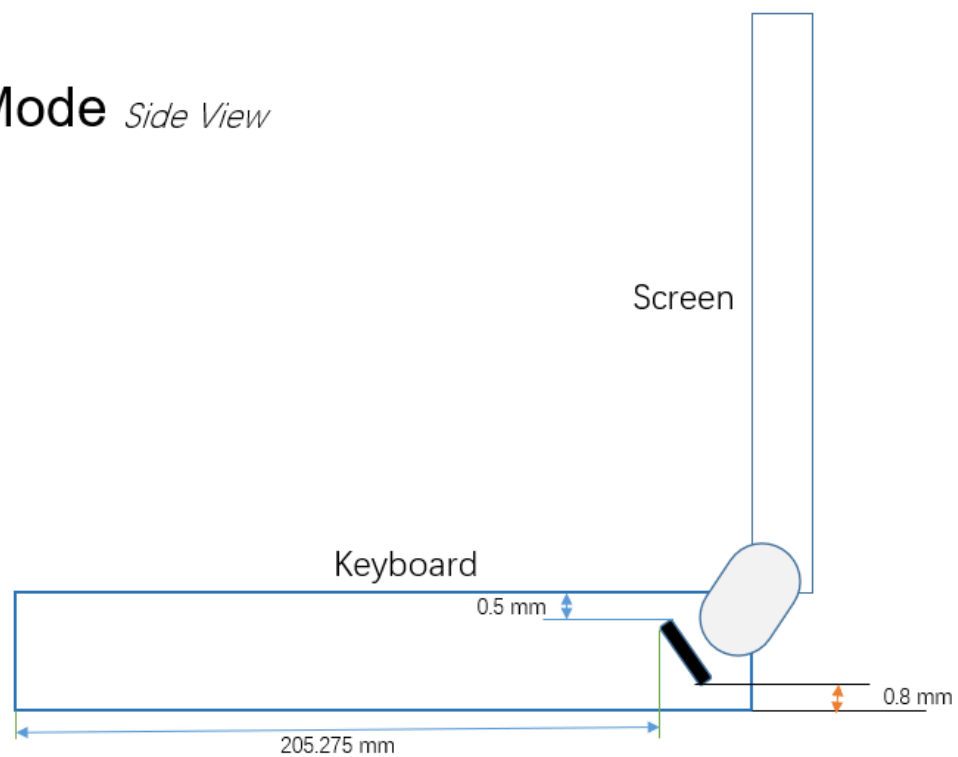
Tablet Mode *Side View*



Tablet Mode *Front View*



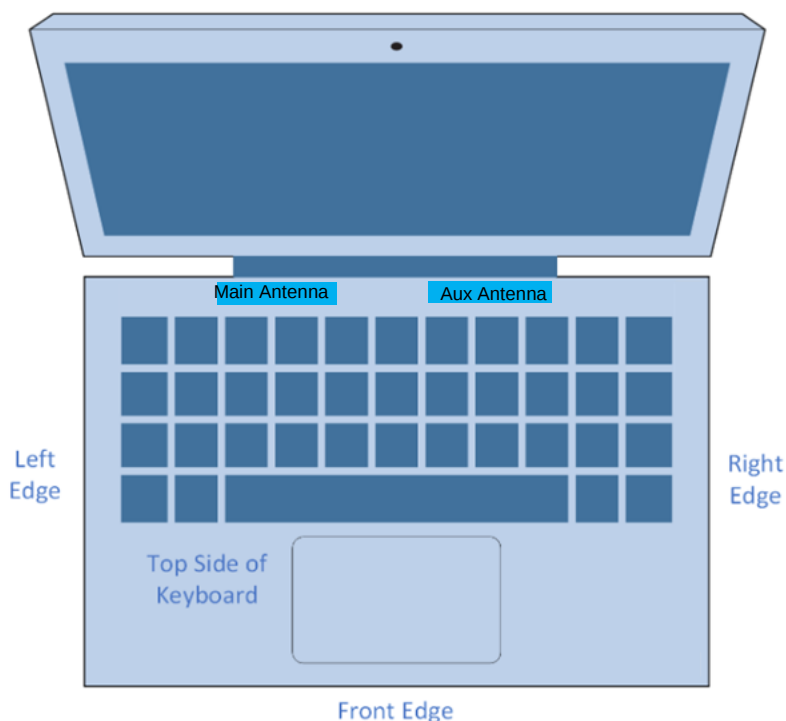
NB Mode *Side View*



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 keyboard section



Measuring Surface	Antenna	Separation Distance(antenna-to-Surface) (mm)	1g or 10g SAR
Bottom Side	Main	0.8	1g (FCC/ISED)
	Aux	0.8	1g (FCC/ISED)
Front Edge	Main	205.275	1g (ISED)
	Aux	205.275	1g (ISED)
Left Edge	Main	119	10g (ISED)
	Aux	189	10g (ISED)
Right Edge	Main	191	10g (ISED)
	Aux	121	10g (ISED)
Top side of Keyboard	Main	0.5	10g (ISED)
	Aux	0.5	10g (ISED)