

ANTENNA INFORMATION

OEM	Lenovo
ODM	LCFC
Platform model name	Yoga Book 9 14IAH10
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 : 4.4mm ;Pad Mode : 3.06mm ISED (1g) NB Mode : 3.06mm ;Pad Mode : 3.06mm ISED (10g) 3.06mm

Antenna manufacturer	Company name	Speed Wireless Technical Co., LTD
	Address	No.138 Huize Road, Hi-Tech Industrial Park of East River, Zhongkai Hi-tech District, Huizhou City, Guangdong Province
Test location	Company name	Speed Wireless Technical Co., LTD.
	Address	Lenovo Science and Technology Port, 5899 Xi You Road, Jingkai District, Hefei, Anhui province
Test Personnel	Name(Full name)	Zhenping Wu
	E-mail	Zhenping_wu@speed-hz.com
	Tel/Mobile	18718059121
Testing date		2024.12.18

Antenna Part number	Main	DC330027E00
	Aux	DC330027E10
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	-0.14	1.40	1.36	0.81	1.08	1.48	3.36	2.68	2.96	3.36
Aux	1.72	-1.01	-0.70	1.01	1.39	1.23	1.33	1.33	1.96	1.35

Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-048	288.5	1.13	50	IPEX
Aux	SY113L/50-050	236.5	1.13	50	IPEX

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

Table of Contents

Cover page..... 1

Annex A. Photographs

A.1 Setup Photo..... 3

A.2 Test sample..... 4

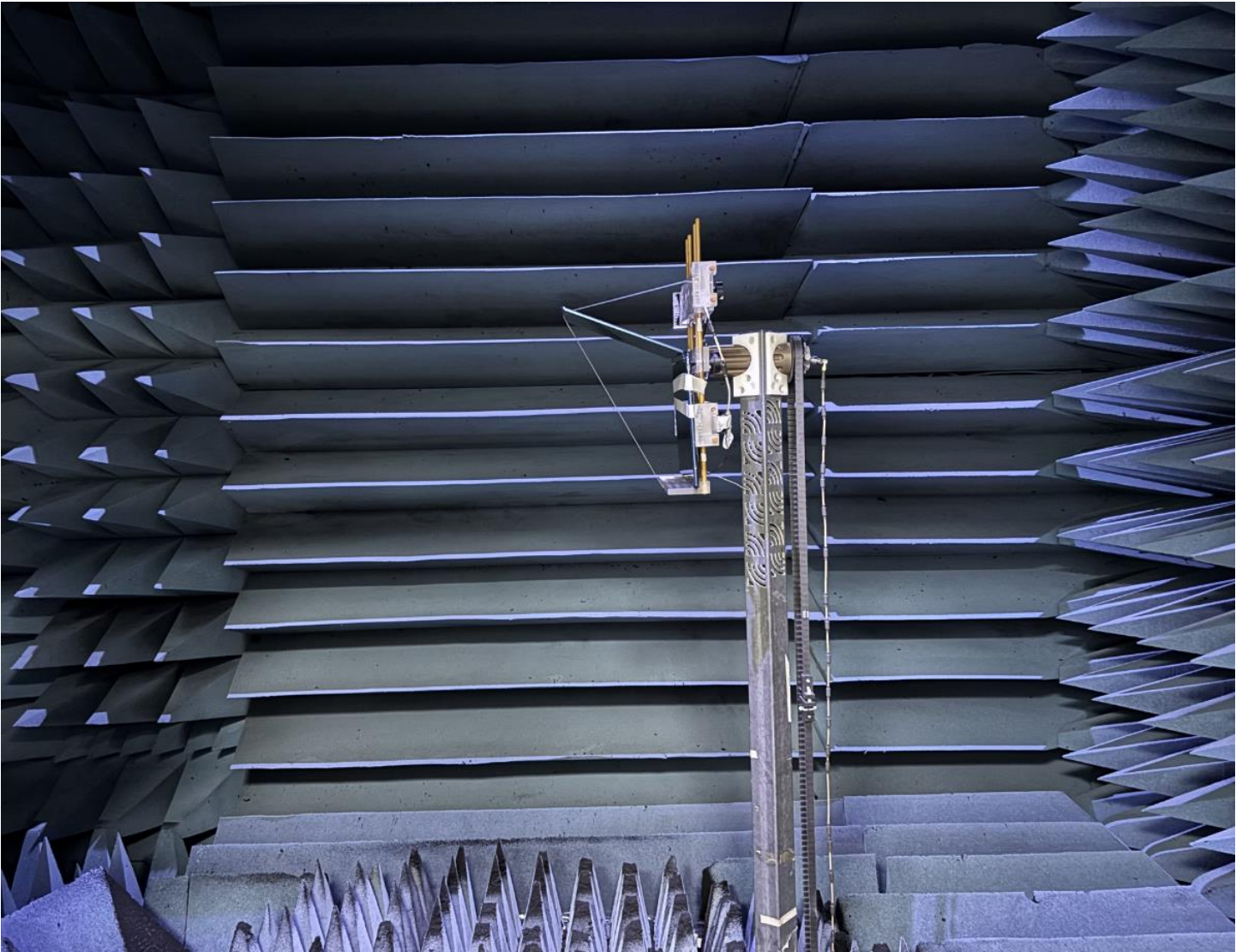
Annex B. Antenna Location

B.1 Antenna Host Platform Location Information.....6

B.2 Antenna dimensional information for SAR evaluation..... 8

Annex A. Photographs

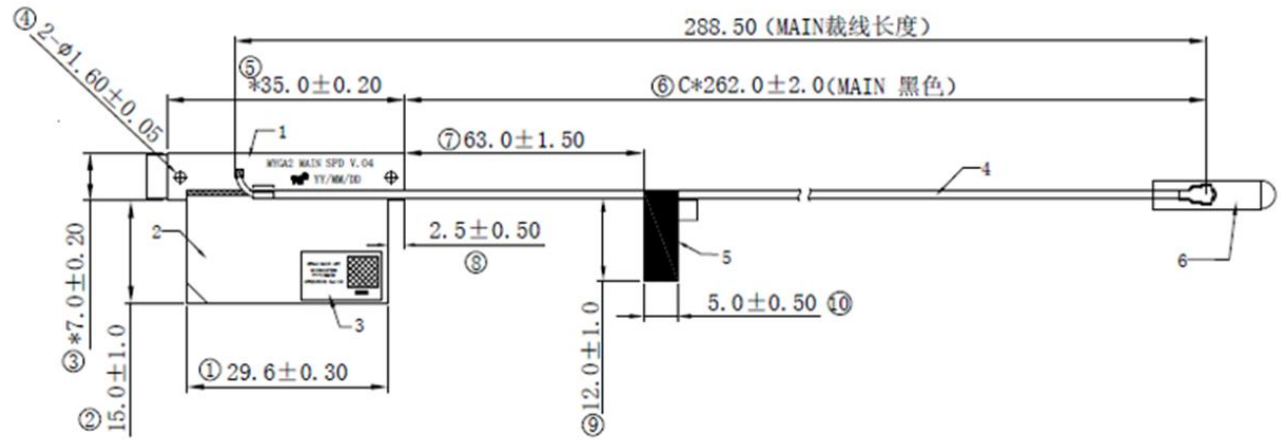
A.1 Setup Photo



A.2 Test sample

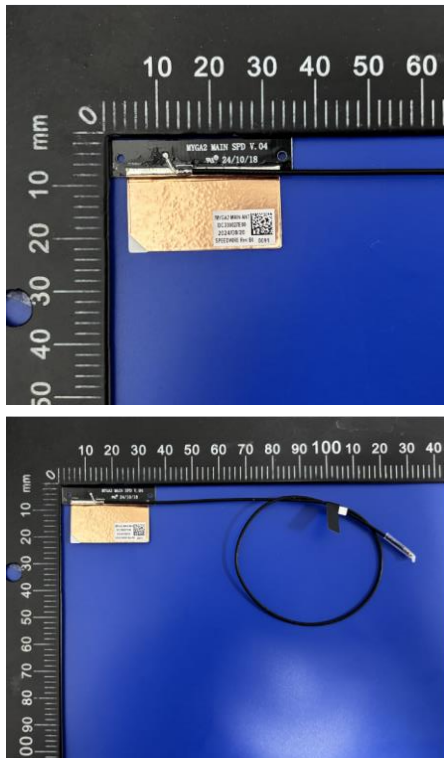
Main Antenna

Antenna Drawing

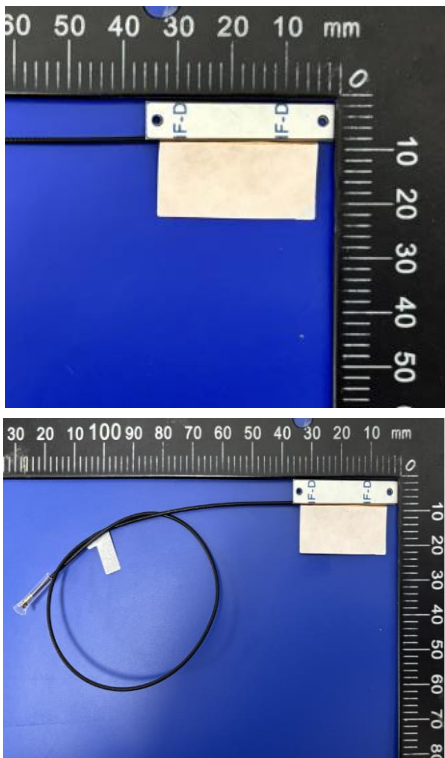


Antenna Photo

Front

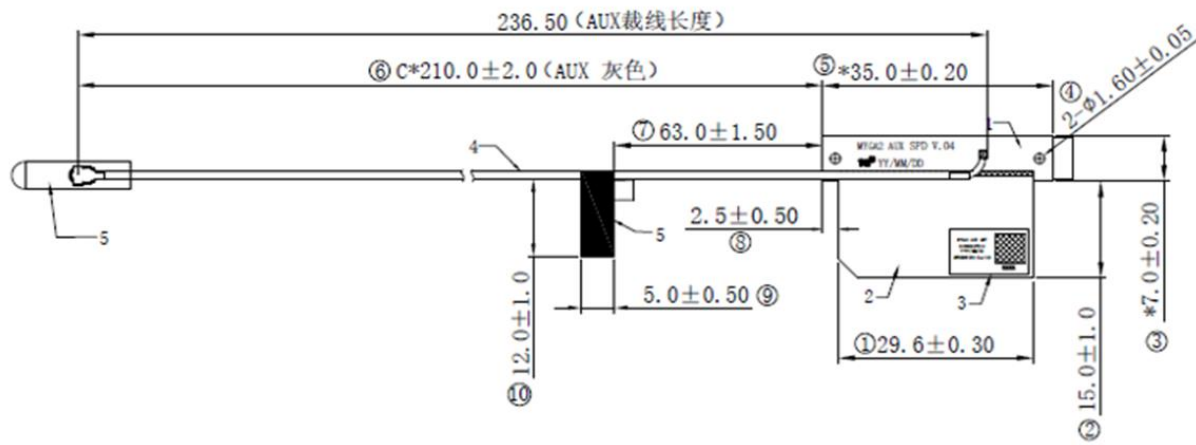


Back



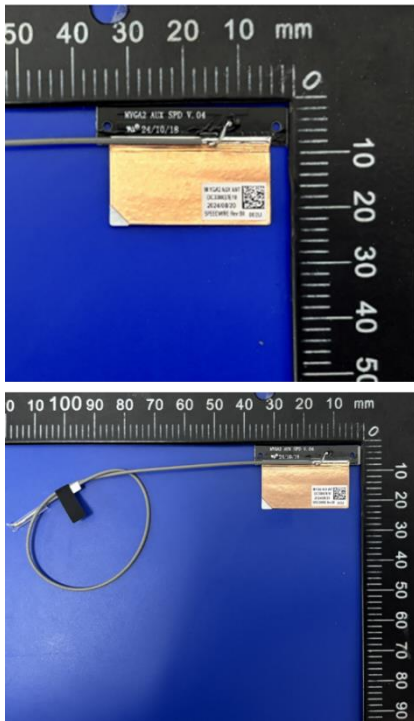
Aux Antenna

Antenna Drawing

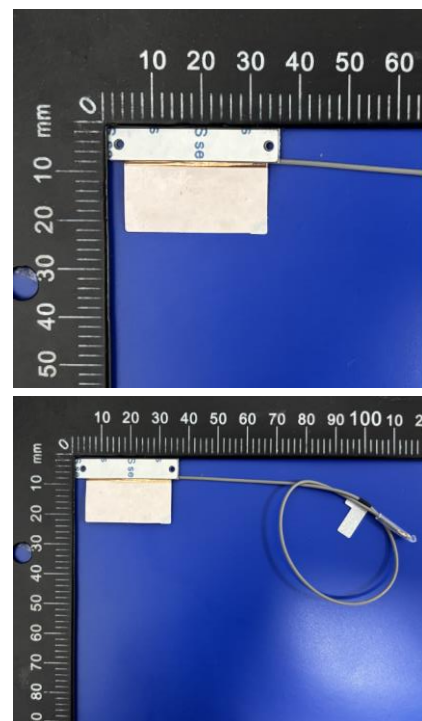


Antenna Photo

Front



Back



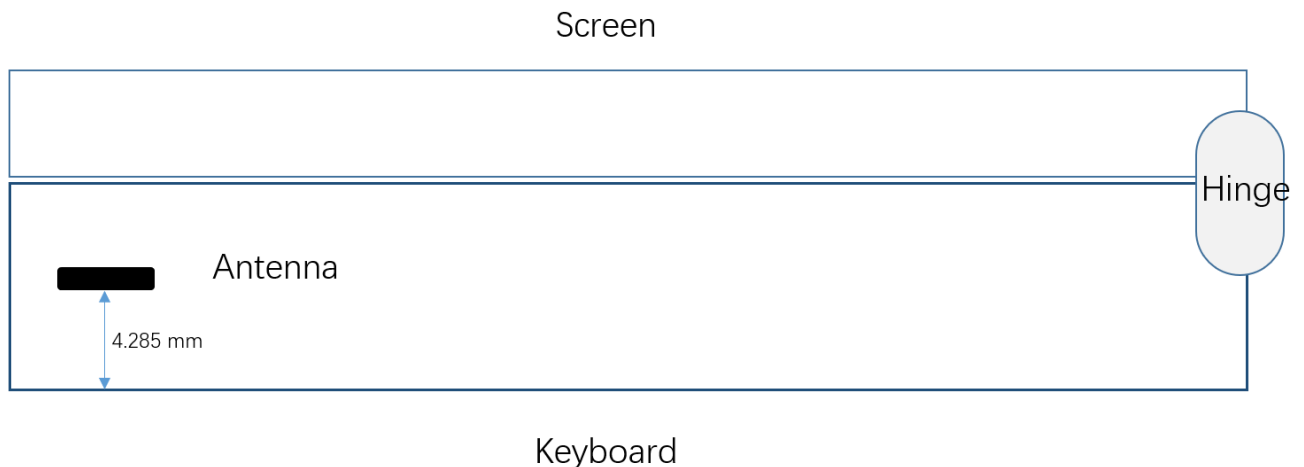
Annex B. Antenna Location

B.1 Antenna Host Platform Location Information

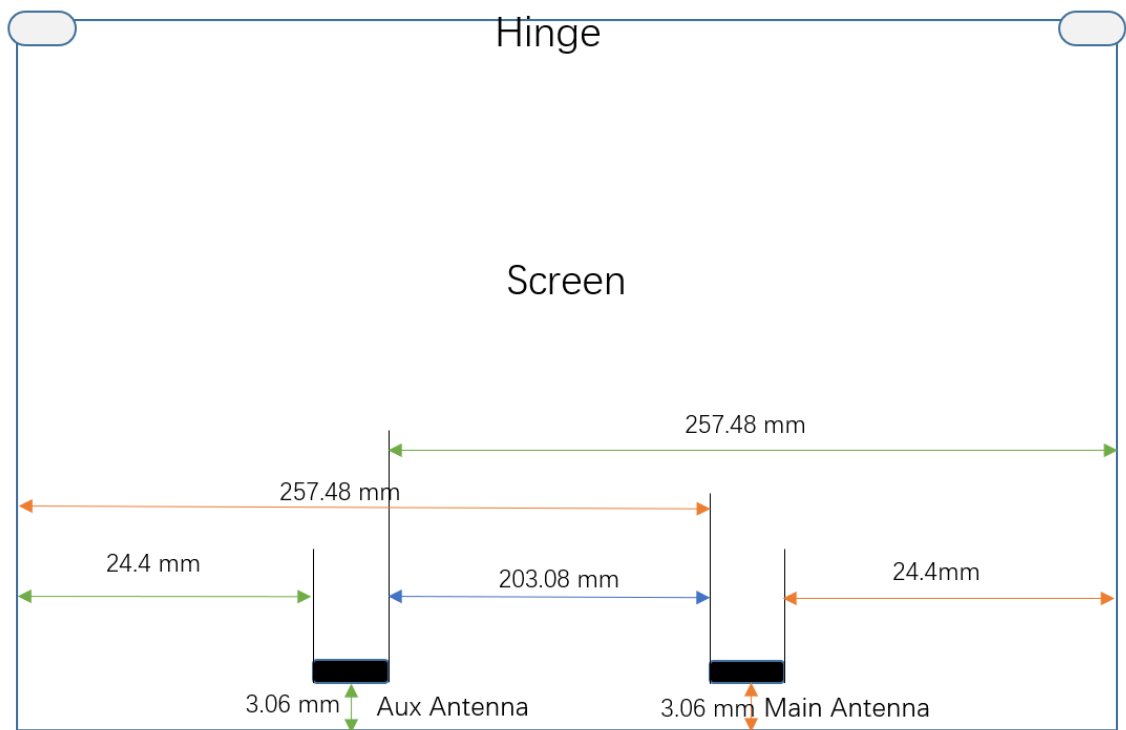
Include a dimensioned photo(s) or dimensioned drawing(s) of Main and Aux antenna placements (measurements are not required for receive-only antenna).

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.

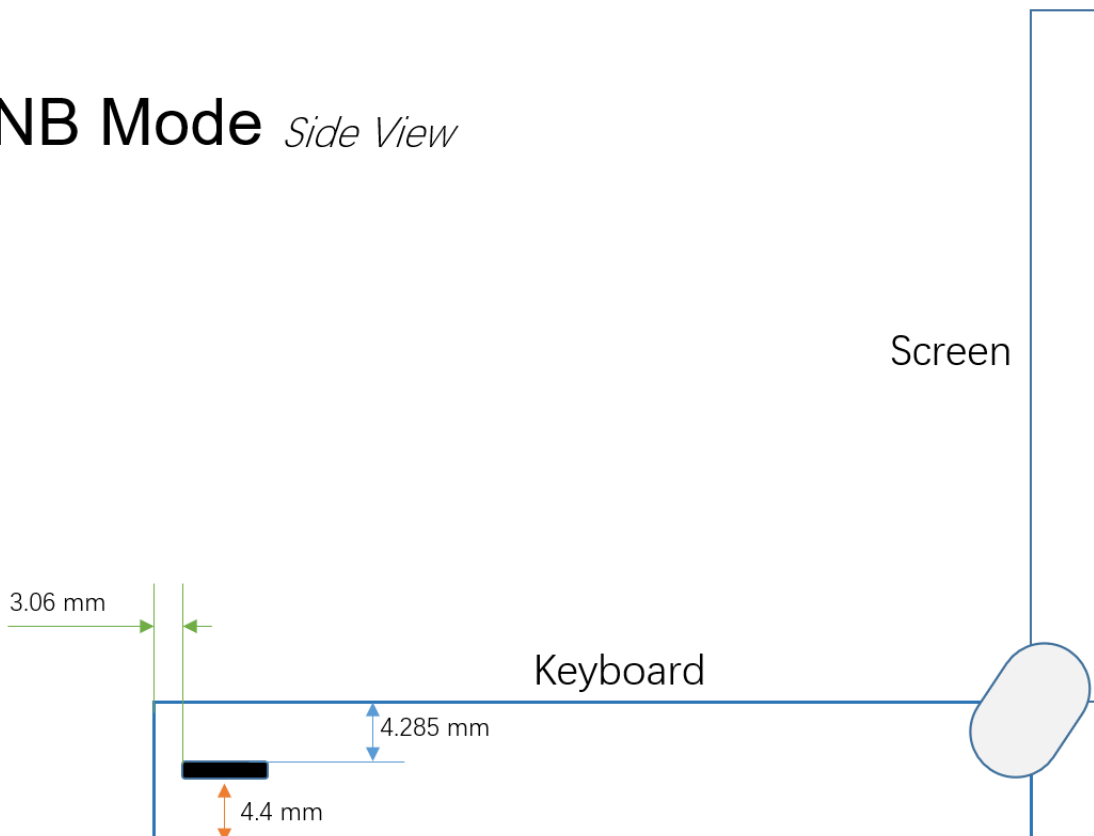
Tablet Mode *Side View*



Tablet Mode *Front View*



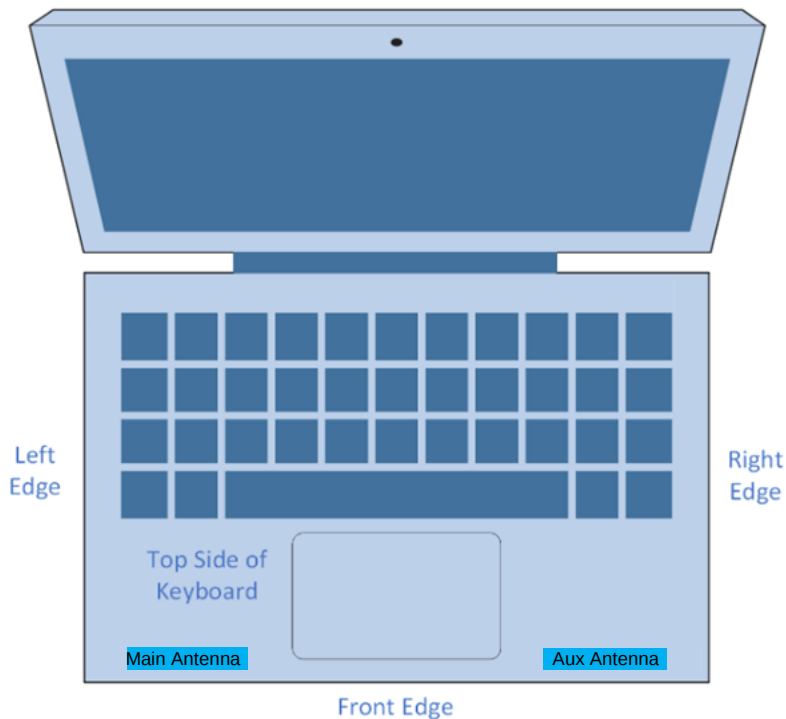
NB Mode *Side View*



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	4.4	1g (FCC/ISED)
	Aux	4.4	1g (FCC/ISED)
Front Edge	Main	3.06	1g (ISED)
	Aux	3.06	1g (ISED)
Left Edge	Main	257.48	10g (ISED)
	Aux	24.4	10g (ISED)
Right Edge	Main	24.4	10g (ISED)
	Aux	257.48	10g (ISED)
Top side of Keyboard	Main	4.285	10g (ISED)
	Aux	4.285	10g (ISED)