

ANTENNA INFORMATION

OEM	DELL
ODM	Wistron
Platform model name	P136F
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) 13.31mm
	ISED (1g) 253.13mm
	ISED (10g) 100.45mm

Antenna manufacturer	Company name	Wistron Neweb Corporation
	Address	No.20 ,Park Ave.II ,Hsinchu Science Park,Hsinchu City ,Taiwan(R.O.C.)
Test location	Company name	Wistron Neweb Corporation
	Address	No.20 ,Park Ave.II ,Hsinchu Science Park,Hsinchu City ,Taiwan(R.O.C.)
Test Personnel	Name(Full name)	Johnson Wu
	E-mail	Johnson.Wu@wnc.com.tw
	Tel/Mobile	03-6667799#7651
Testing date		2024.10.22

Antenna Part number	Main	81ELBE15.G49 (025.902H7.0001)
	Aux	81ELBE15.G49 (025.902H7.0001)
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	2.22	0.47	0.05	1.02	1.12	1.10	1.52	1.84	2.62	2.62
Aux	2.63	0.21	0.72	2.01	2.52	2.52	2.53	2.32	2.91	3.28

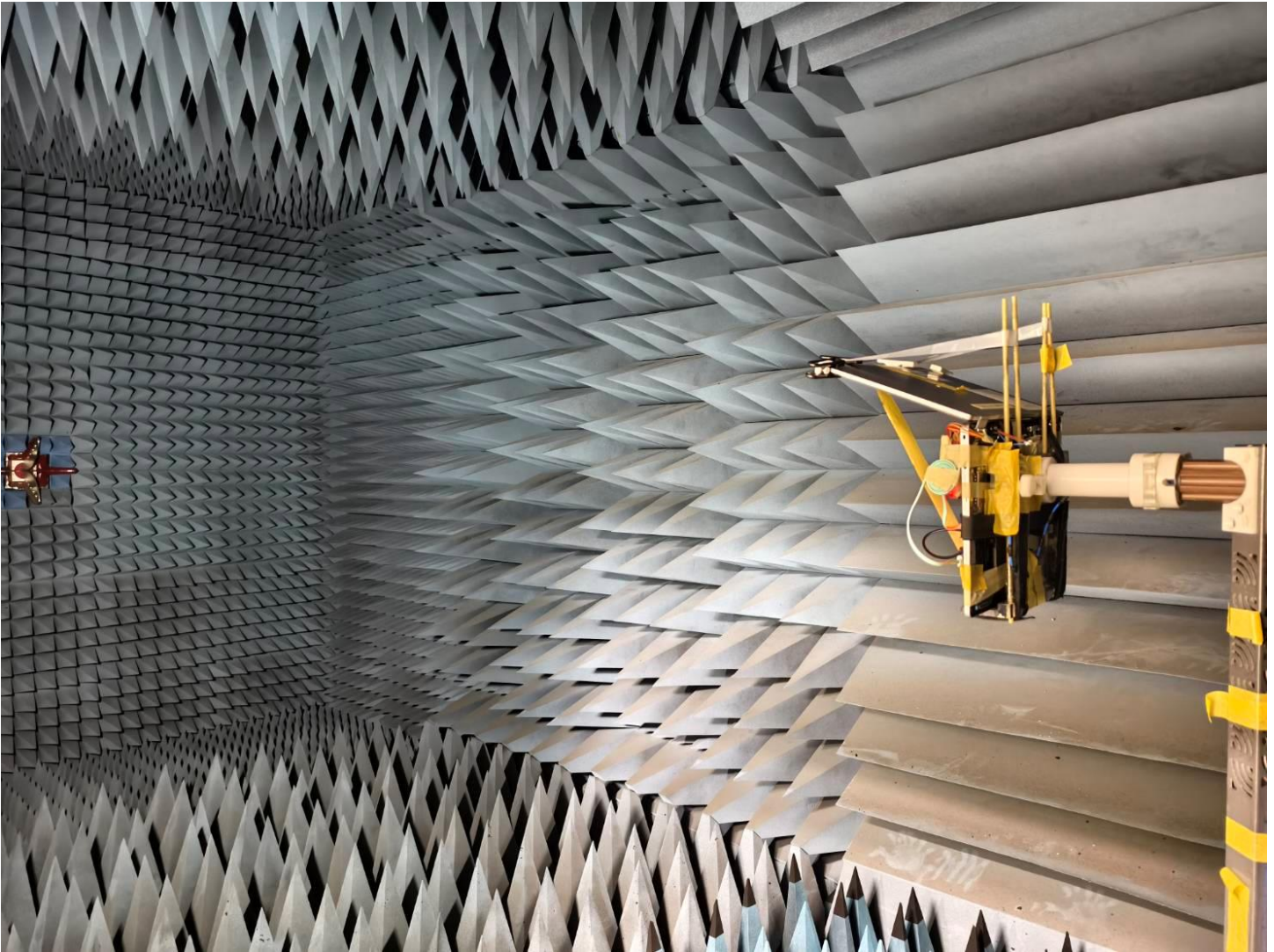
Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-143	305mm	1.13mm	50	IPEX
Aux	SY113L/50-118	355.5mm	1.13mm	50	IPEX

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

Annex A. Photographs

A.1 Setup Photo

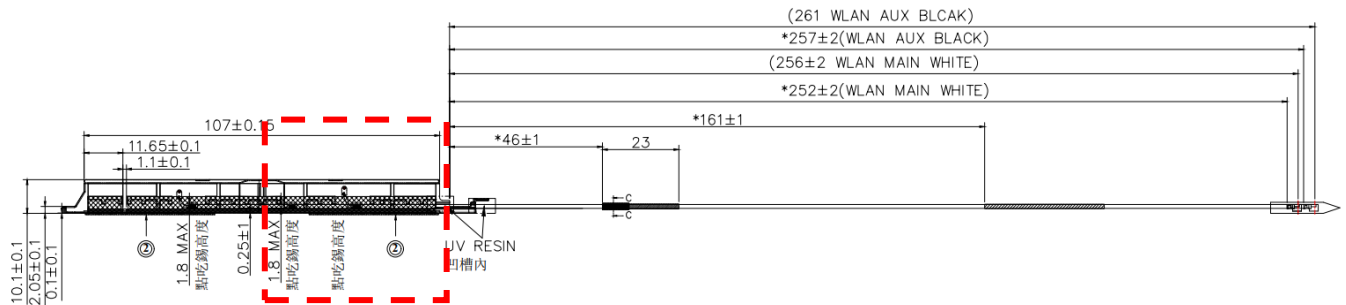
<insert test diagram here for test site utilized>



A.2 Test sample

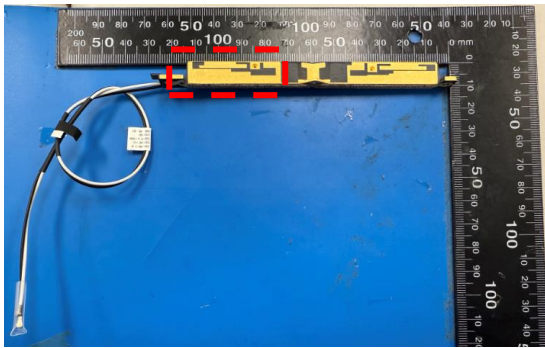
Main Antenna

Antenna Drawing

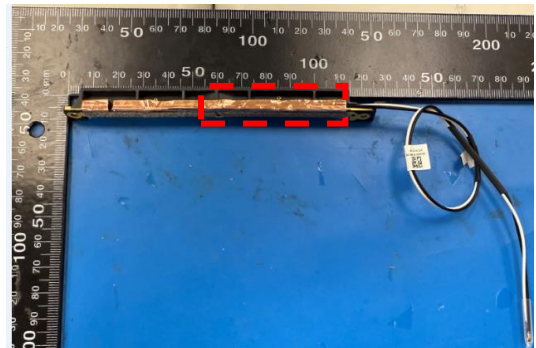


Antenna Photo

Front



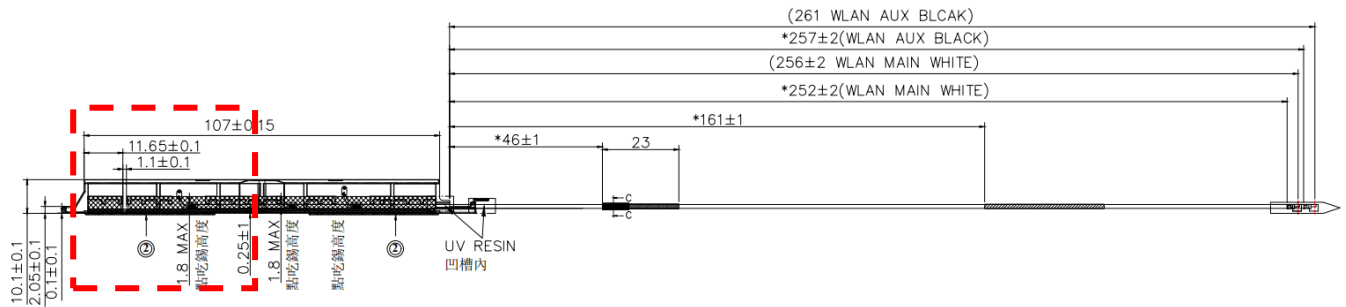
Back



Note: antenna photo should include L type ruler

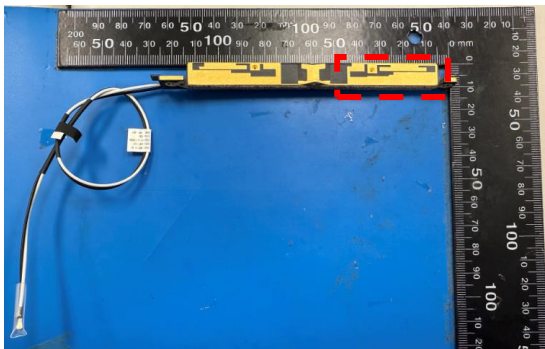
Aux Antenna

Antenna Drawing



Antenna Photo

Front



Back



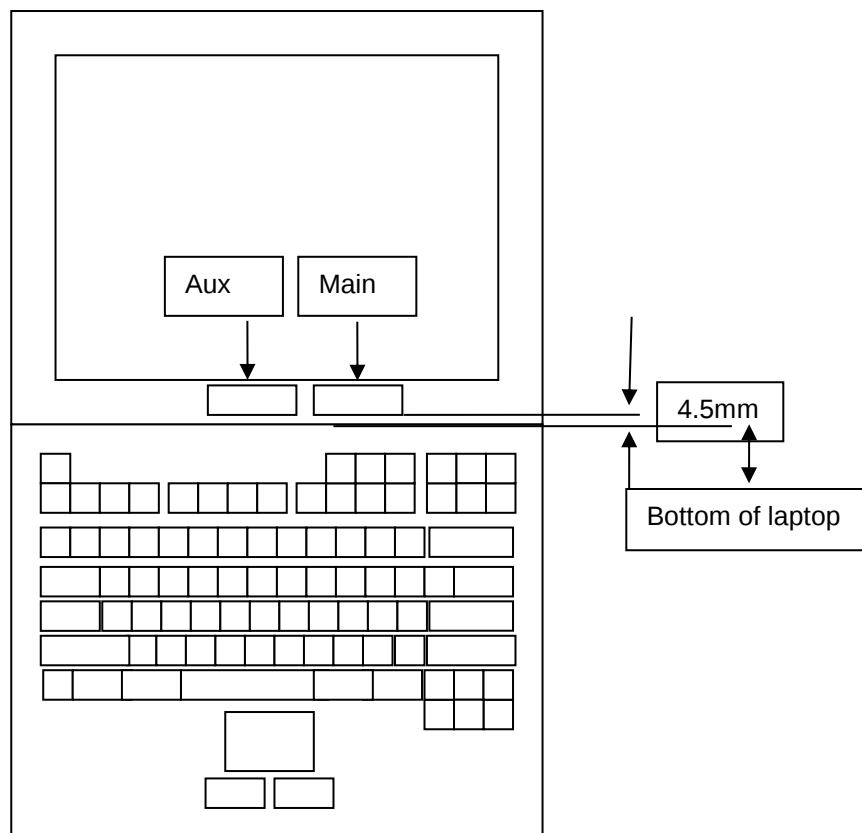
Note: antenna photo should include L type ruler

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).

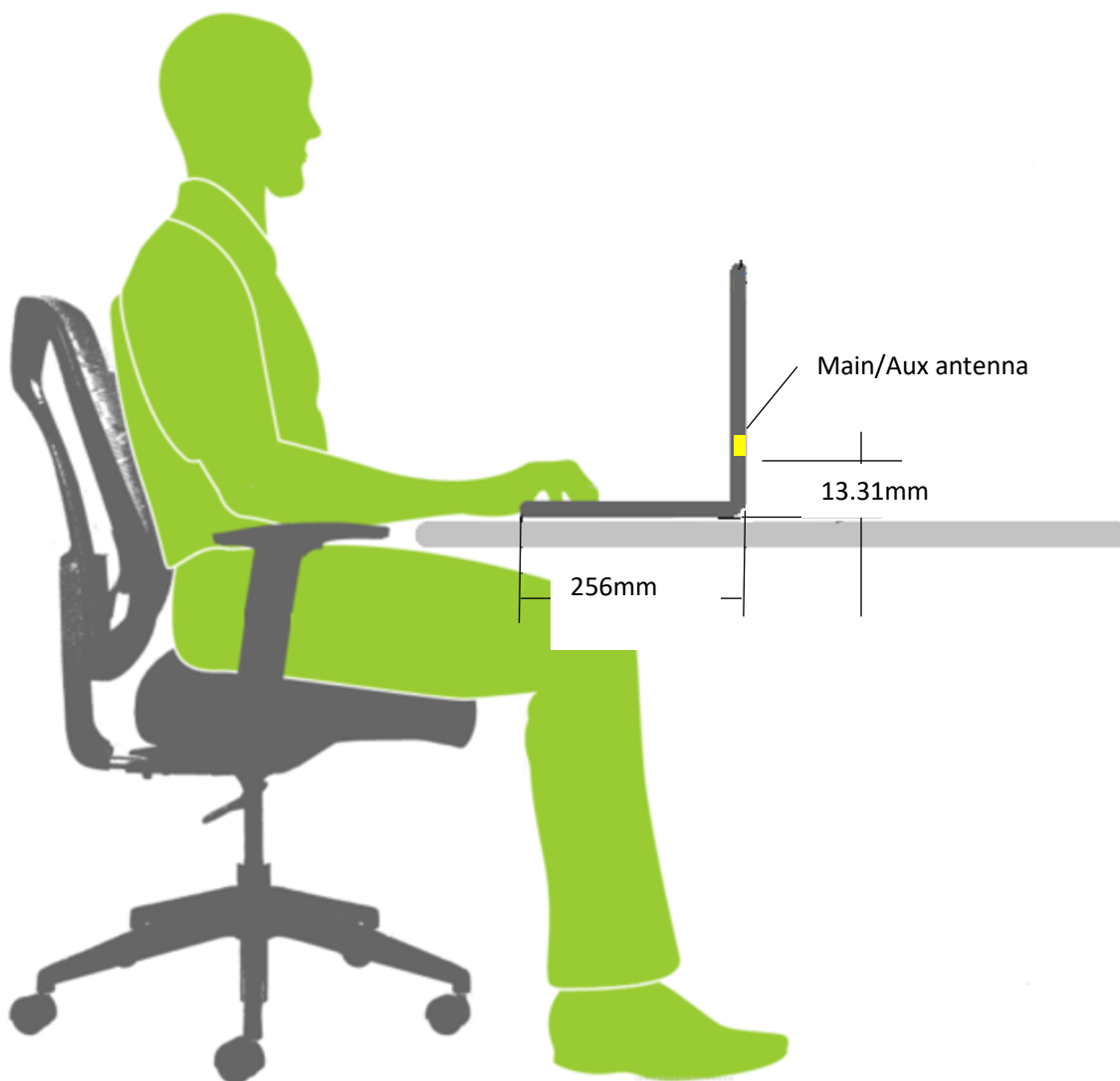
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.



B.2 Antenna dimensional information for SAR evaluation

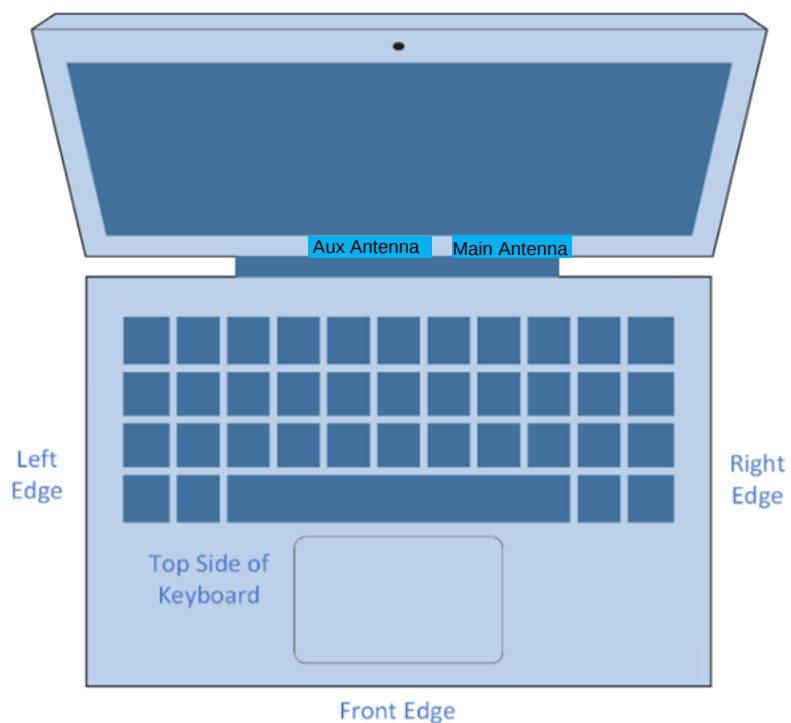
Include a dimensioned photo(s) or dimensioned drawing(s) showing the distance (mm) between the transmit antennas and the user. For notebook/laptop hosts show lapheld position (example below). For tablet hosts show all orientations including lapheld, primary & secondary portrait, primary & secondary landscape 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



Measuring Surface	Antenna	Separation Distance(antenna-to- Surface)(mm)	1g SAR
Bottom Side	Main	13.31 mm	FCC/ISED
	Aux	13.31 mm	FCC/ISED

Antennas on the keyboard section



Measuring Surface	Antenna	Separation Distance(antenna-to-Surface)(mm)	1g or 10g SAR
Bottom Side	Main	13.31	1g (FCC/ISED)
	Aux	13.31	1g (FCC/ISED)
Front Edge	Main	253.13	1g (ISED)
	Aux	253.13	1g (ISED)
Left Edge	Main	217.10	10g (ISED)
	Aux	150.67	10g (ISED)
Right Edge	Main	100.45	10g (ISED)
	Aux	166.90	10g (ISED)
Top side of Keyboard	Main	N/A	10g (ISED)
	Aux	N/A	10g (ISED)