ANTENNA INFORMATION

OEM		DELL
ODM		Wistron
Platform model name		P196G
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)	12.85mm
	ISED (1g)	224.48mm
	ISED (10g)	86.67mm

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.G40 (025.902H5.0001)
	Aux	81ELBE15.G40 (025.902H5.0001)
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	2.31	1.40	1.94	2.35	1.22	1.15	2.35	0.16	1.73	2.23
Aux	2.56	0.65	0.65	0.76	1.24	1.24	1.41	2.27	2.86	2.86

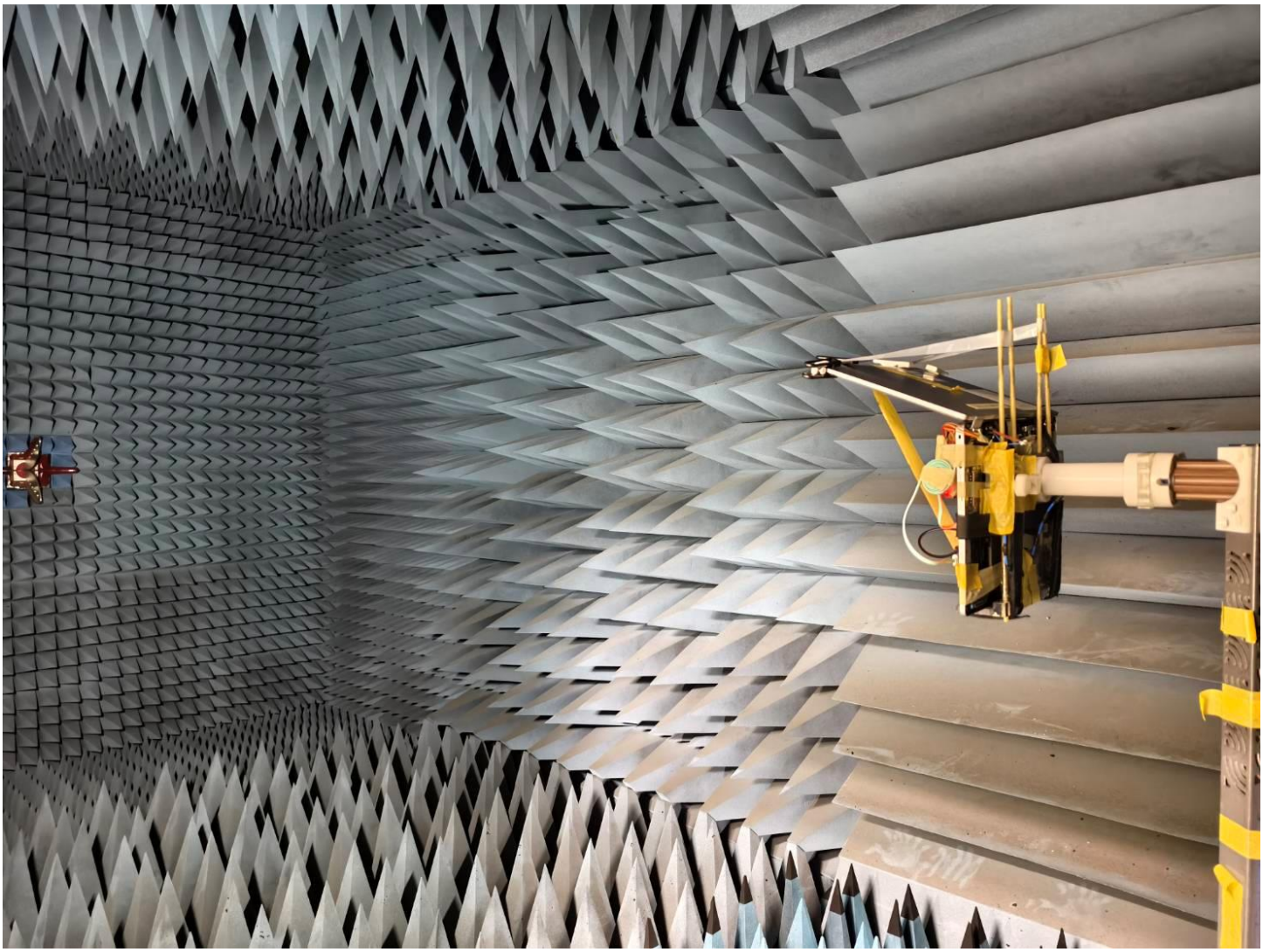
Cable Assembly Part Number and Information					
	Cable PN	**Cable length**(mm)	**Cable diameter**(mm)	**Impedance**(ohm)	**Connector type**
Main	SY113L/50-143	305mm	1.13mm	50	IPEX
Aux	SY113L/50-118	355.5mm	1.13mm	50	IPEX

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

Annex A. Photographs

A.1 Setup Photo

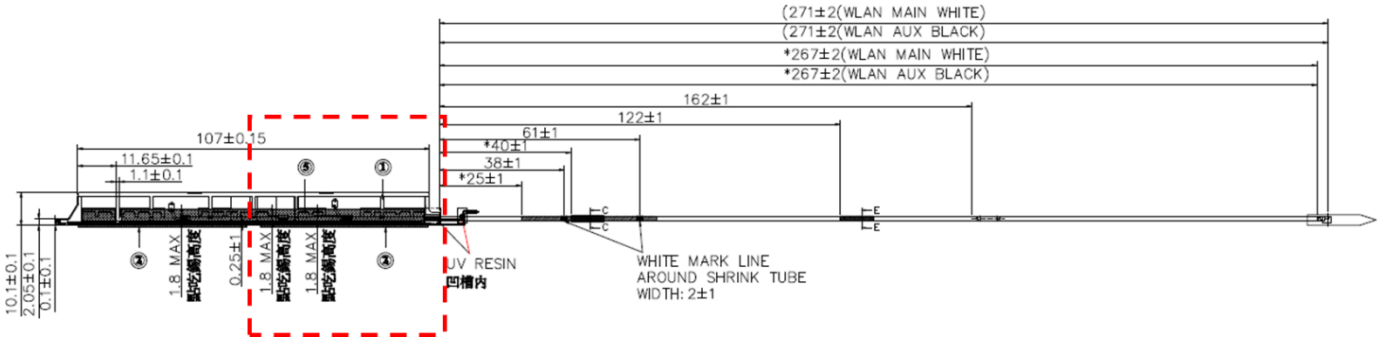
<insert test diagram here for test site utilized>



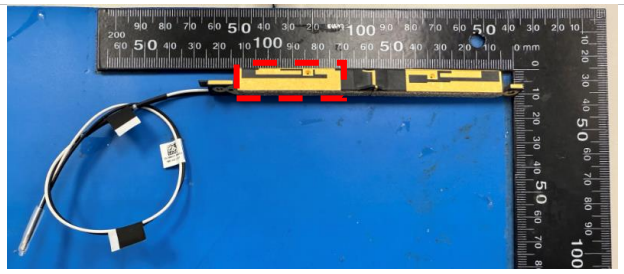
A.2 Test sample

Main Antenna

Antenna Drawing



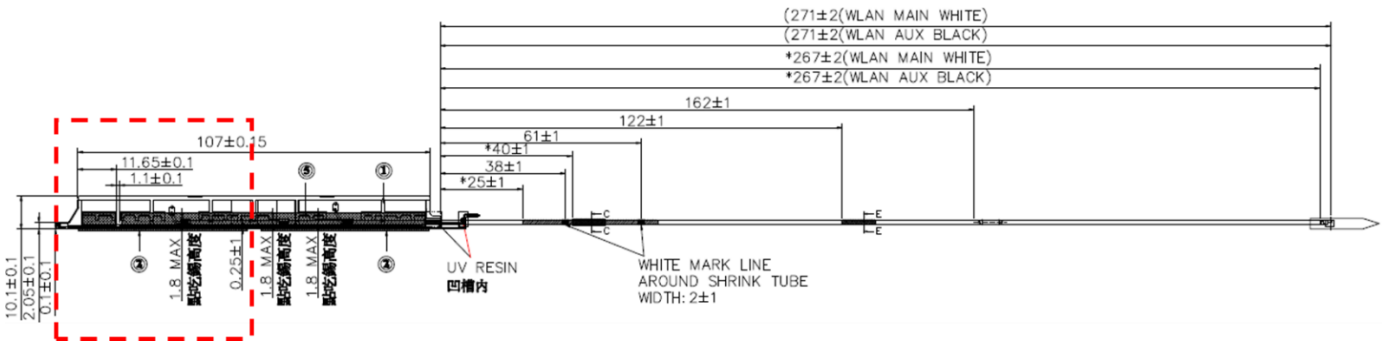
Antenna Photo

Front	Back
	

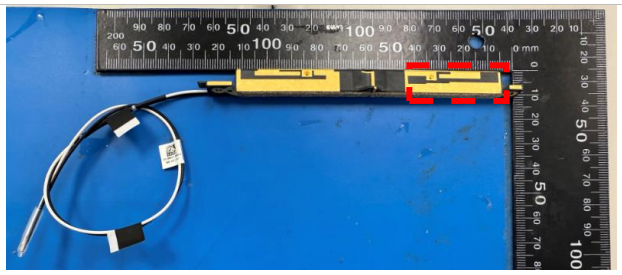
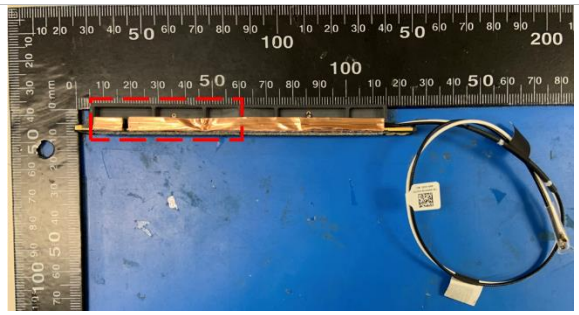
Note: antenna photo should include L type ruler

Aux Antenna

Antenna Drawing



Antenna Photo

Front	Back
	

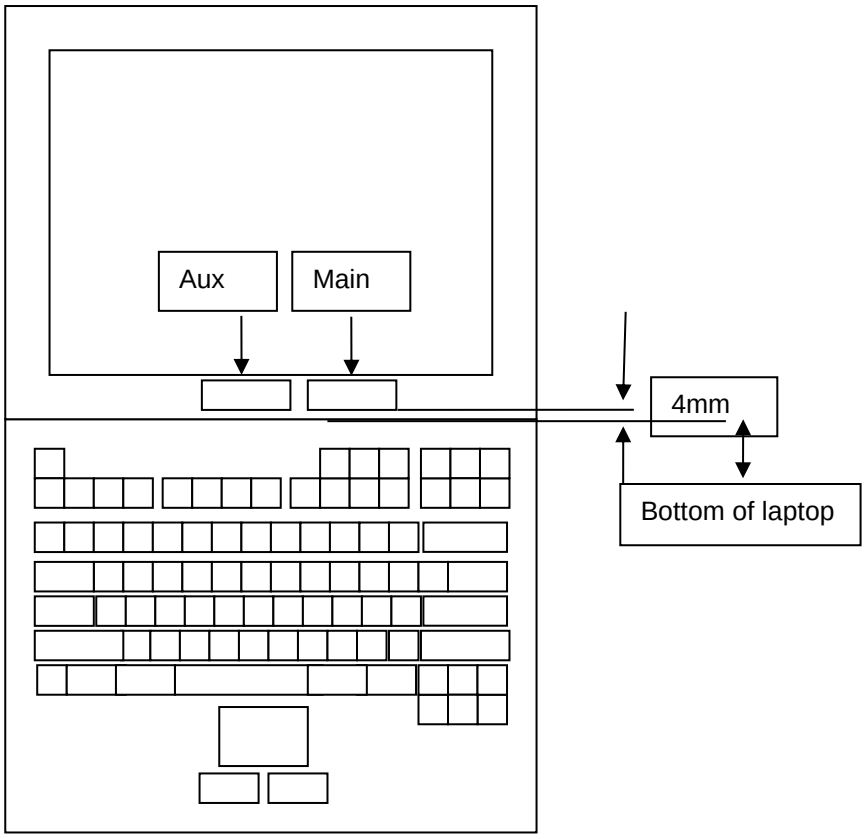
Note: antenna photo should include L type ruler

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).

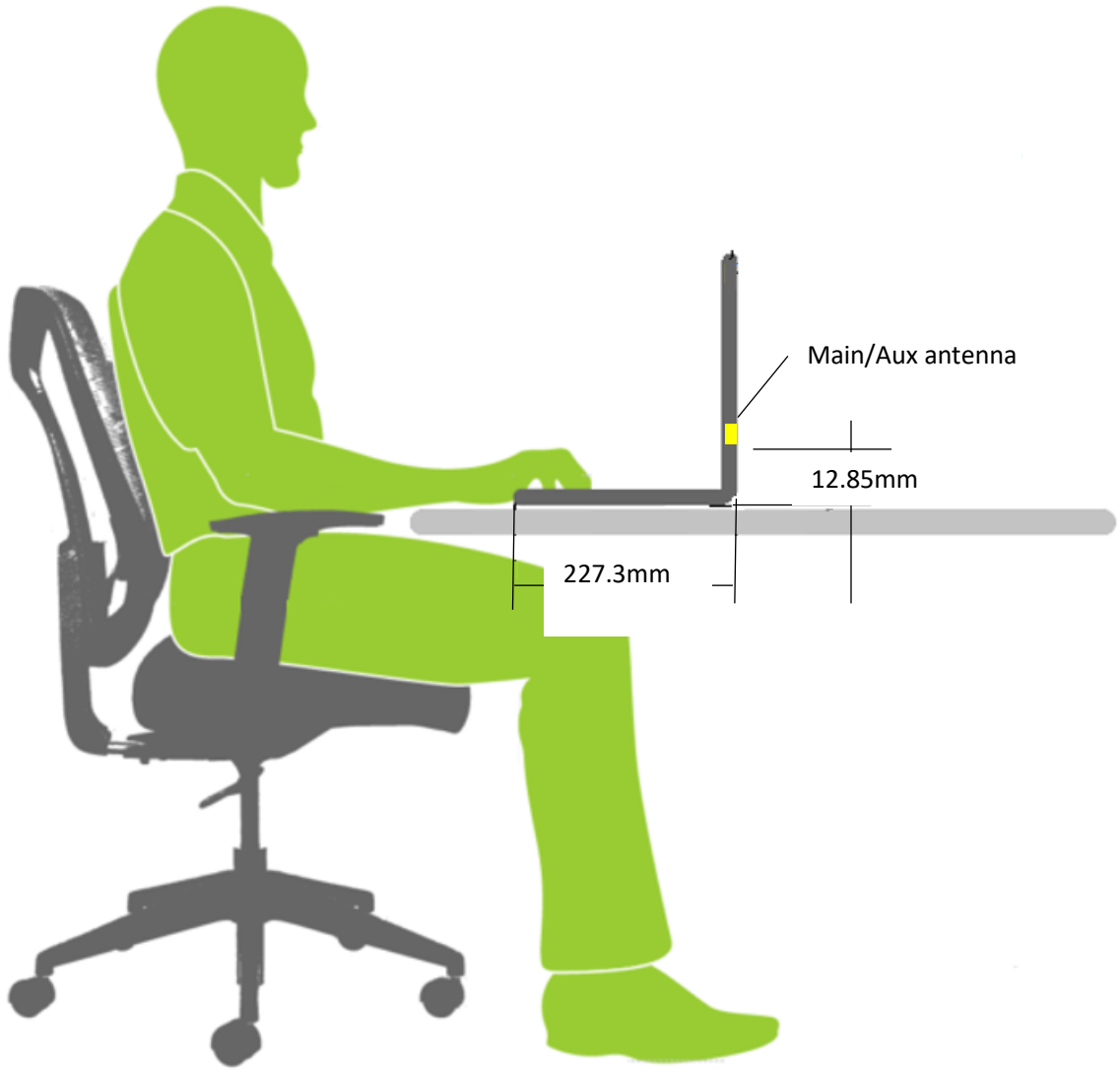
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.



B.2 Antenna dimensional information for SAR evaluation

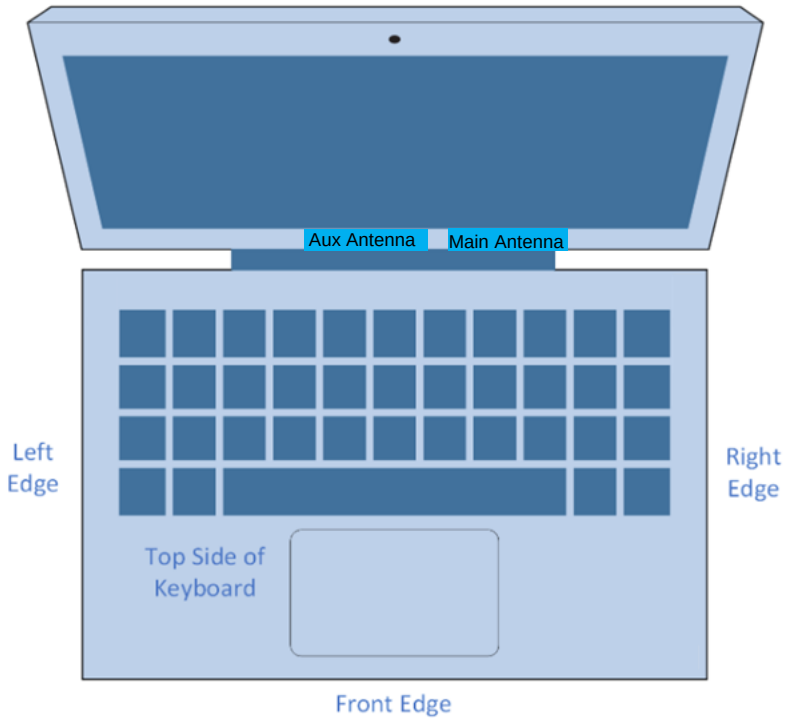
Include a dimensioned photo(s) or dimensioned drawing(s) showing the distance (mm) between the transmit antennas and the user. For notebook/laptop hosts show lapheld position (example below). For tablet hosts show all orientations including lapheld, primary & secondary portrait, primary & secondary landscape 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	**12.85 mm**	FCC/ISED
	Aux	**12.85 mm**	FCC/ISED

Antennas on the keyboard section



Measuring Surface	Antenna	Separation Distance(antenna-to-Surface)(mm)	1g or 10g SAR
Bottom Side	Main	**12.85**	1g (FCC/ISED)
	Aux	**12.85**	1g (FCC/ISED)
Front Edge	Main	**224.48**	1g (ISED)
	Aux	**224.48**	1g (ISED)
Left Edge	Main	**186.15**	10g (ISED)
	Aux	**120.1**	10g (ISED)
Right Edge	Main	**86.67**	10g (ISED)
	Aux	**152.85**	10g (ISED)
Top side of Keyboard	Main	**N/A**	10g (ISED)
	Aux	**N/A**	10g (ISED)