

ANTENNA INFORMATION

OEM	Lenovo
ODM	Compal
Platform model name	ThinkBook 14 G6+ IMH
Intel platform (ex: Yes, No or NA)	Yes
Platform type (ex: regular NB, convertible PC, AIO...etc)	Regular NB
SAR minimum separation (mm)	13.86mm (w/bumper) 11.36mm (w/o bumper)

Antenna manufacturer	Pulse Electronics (Singapore) PTE LTD Taiwan Branch	
Address	2F, No. 2, Aly. 1, Ln. 235, Baoqiao Rd., Xindian Dist. New Taipei City 231, Taiwan (R.O.C.)	
Antenna Part number	Main: TZ27490(DC33002VI00)	Aux: TZ27490(DC33002VI00)
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	2.93	1.66	2.98	2.11	2.77	2.77	3.02	2.72	3.88	3.94
Aux	2.94	0.72	1.91	2.59	2.59	2.05	2.32	2.57	2.69	3.99

Cable Assembly Part Number and Information					
	Cable PN	Cable length(cm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	J18-TZ274901	25.8	1.13	50	MHF-B13L-N-01
Aux	J18-TZ274902	31.3	1.13	50	MHF-B13L-N-01

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

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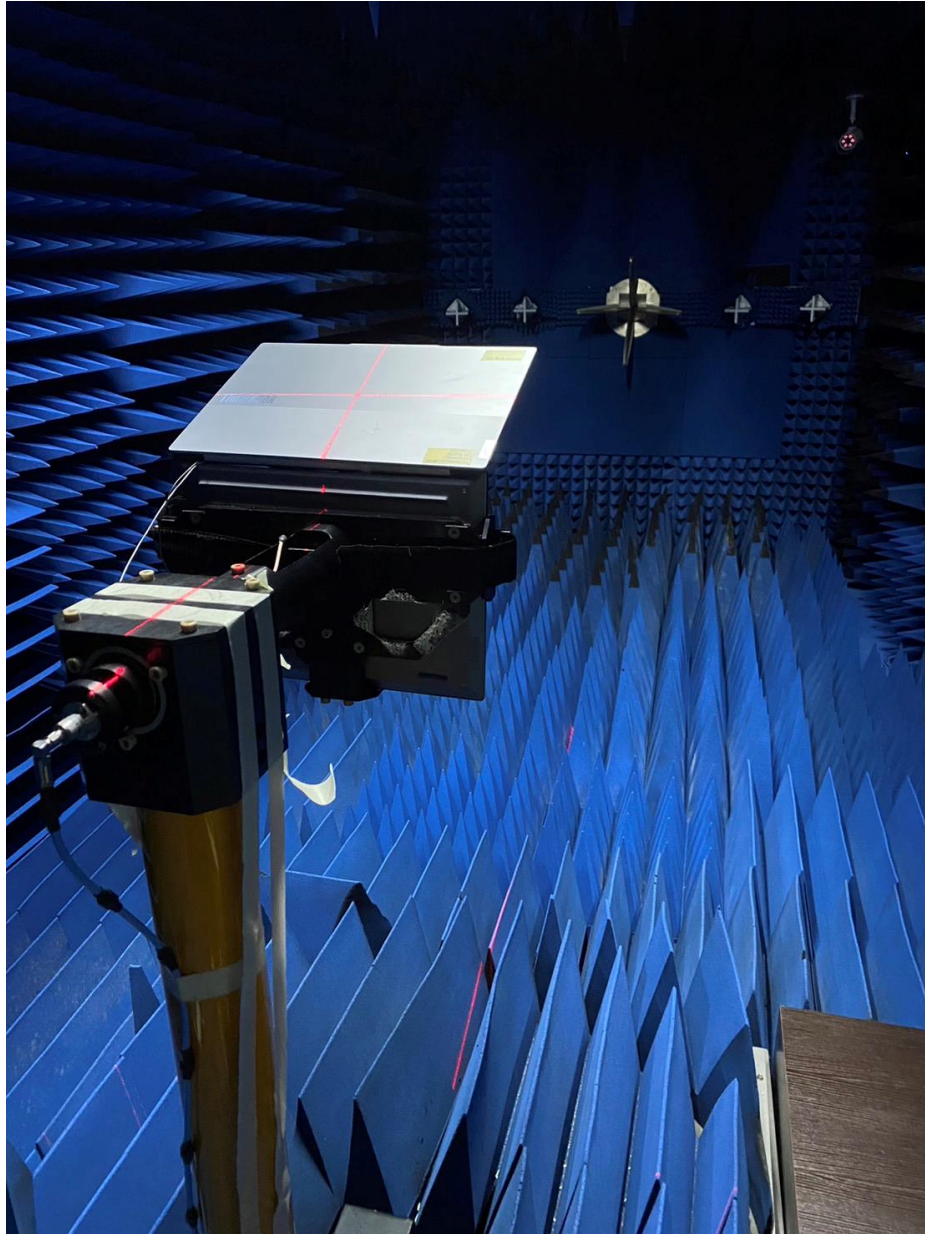
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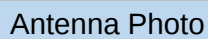
Annex A. Photographs

A.1 Setup Photo

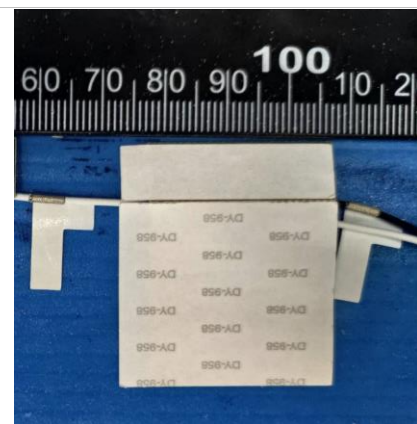
<insert test diagram here for test site utilized>



Antenna Drawing



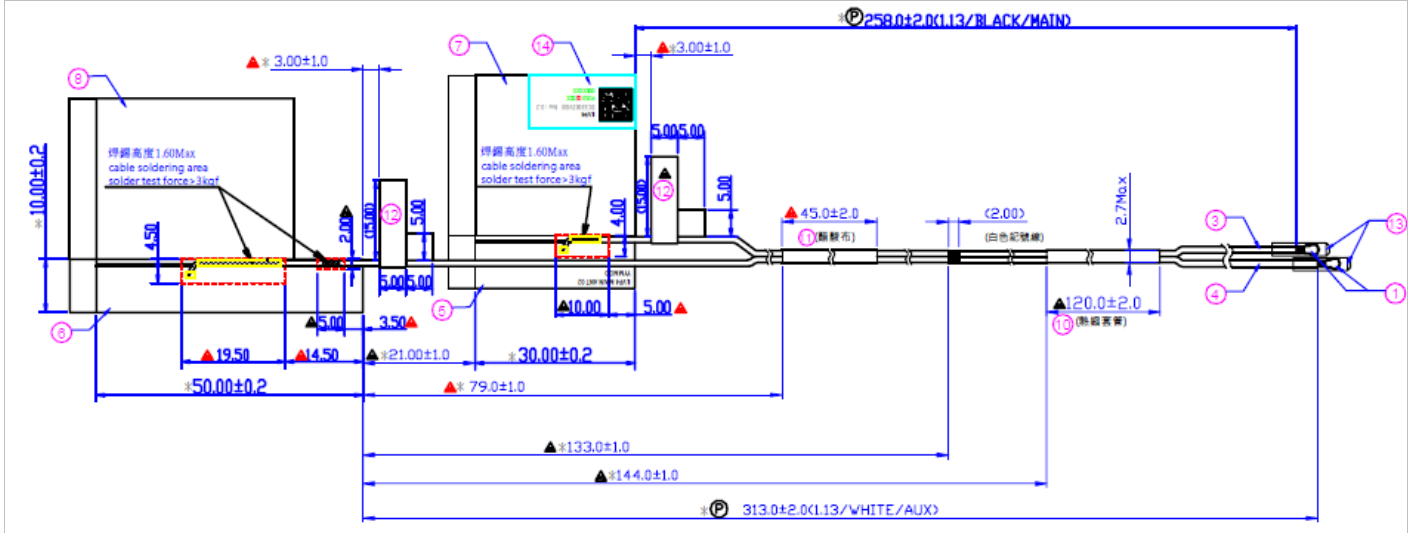
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Note: antenna photo should include L type ruler

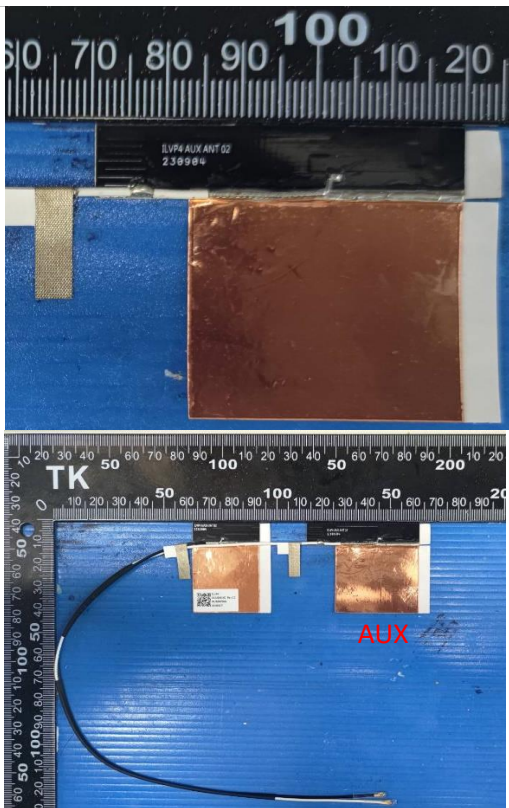
Aux Antenna

Antenna Drawing

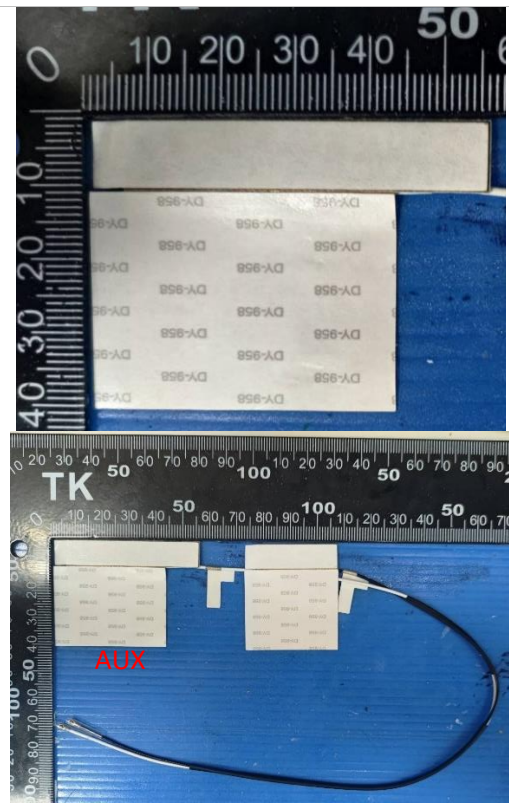


Antenna Photo

Front



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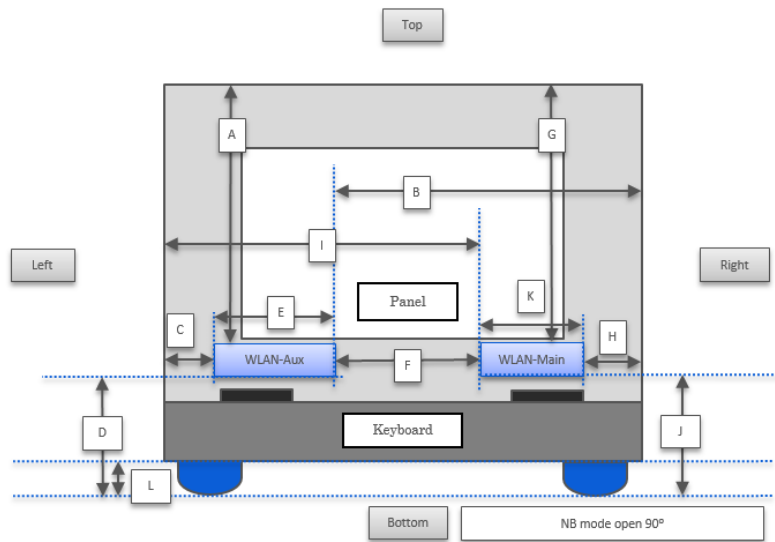
Note: antenna photo should include L type ruler

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.



Minimum Separation Distance

Item	Antenna	Position	Distance (mm)
A	WLAN-Aux	to Top	222.95
B	WLAN-Aux	to Right	144.91
C	WLAN-Aux	to Left	127.91
D	WLAN-Aux	to Bottom	13.86
E	WLAN-Aux	Main Antenna Length	50
F	Main-Aux	Main to Aux	21
G	WLAN-Main	to Top	222.95
H	WLAN-Main	to Right	93.91
I	WLAN-Main	to Left	198.91
J	WLAN-Main	to Bottom	13.86
K	WLAN-Main	Aux Antenna Length	30
L	NB	Bumper thickness	2.5

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.

