

ANTENNA INFORMATION

OEM	Acer	
ODM	Compal Electronics Inc.	
Platform model name	N25C1	
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)	7.7 (w/bumper)
		5.6 (w/o bumper)
	ISED (1g)	7.7 (w/bumper)
		5.6 (w/o bumper)
		3.92 (Front edge)
	ISED (10g)	3.7 (Top side of keyboard)

Antenna manufacturer	Company name	Wistron Neweb Corporation
	Address	20 Park Ave.II , Hsinchu Science Park,Hsinchu 308,Taiwan
Test location	Company name	Wistron Neweb Corporation
	Address	20 Park Ave.II , Hsinchu Science Park,Hsinchu 308,Taiwan
Test Personnel	Name(Full name)	Water Chang
	E-mail	Water.Chang@wnc.com.tw
	Tel/Mobile	03-6667799
Testing date	2024/10/14	

Antenna Part number	Main	81EACB15.G09 (DC33002ZC00)
	Aux	81EACB15.G10 (DC33002ZC10)
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	0.91	2.67	2.54	2.59	2.75	2.75	2.93	2.82	2.56	2.47
Aux	2.25	2.62	2.62	2.51	2.71	2.71	2.92	2.92	2.87	2.85

Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	50.2EL8U.009	274	1.13	50	I-pex MHF4L
Aux	50.2EL8U.011	324	1.13	50	I-pex MHF4L

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

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	0.71	1.02	1.04	1.07	1.09	1.11	1.14	1.18	1.21	1.26
Aux	1.08	1.59	1.61	1.65	1.68	1.70	1.74	1.80	1.84	1.89

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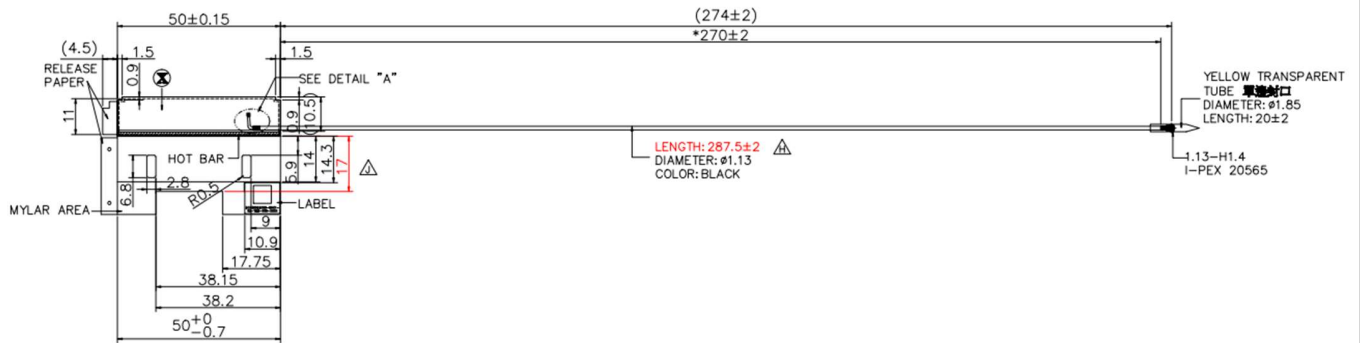
Annex A. Photographs

A.1 Setup Photo

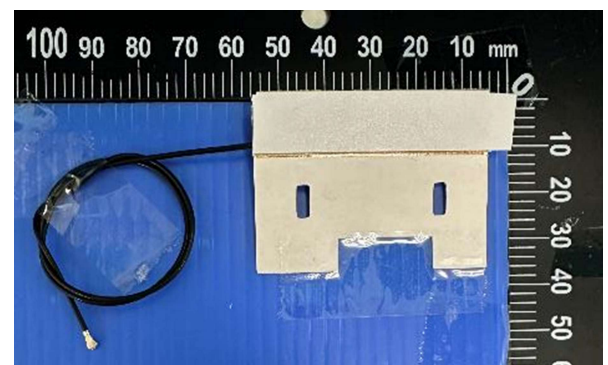
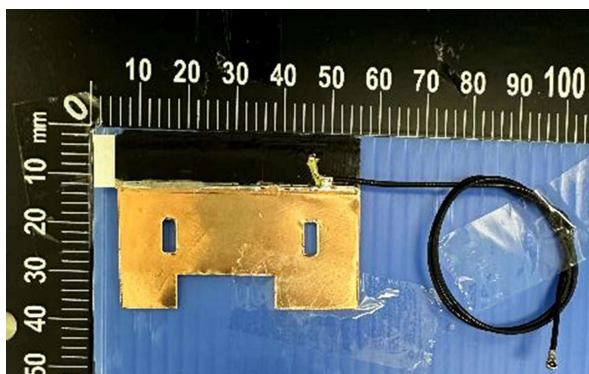
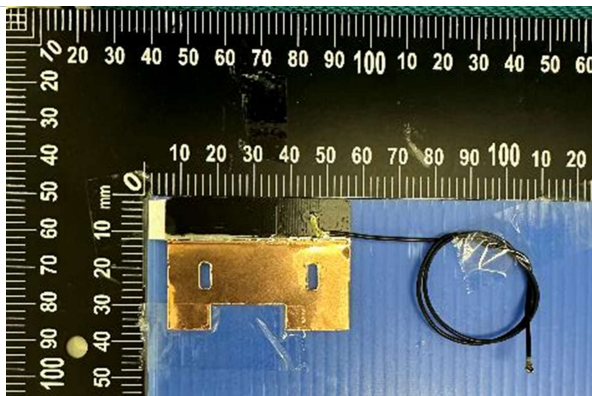
<insert test diagram here for test site utilized>



Antenna Drawing



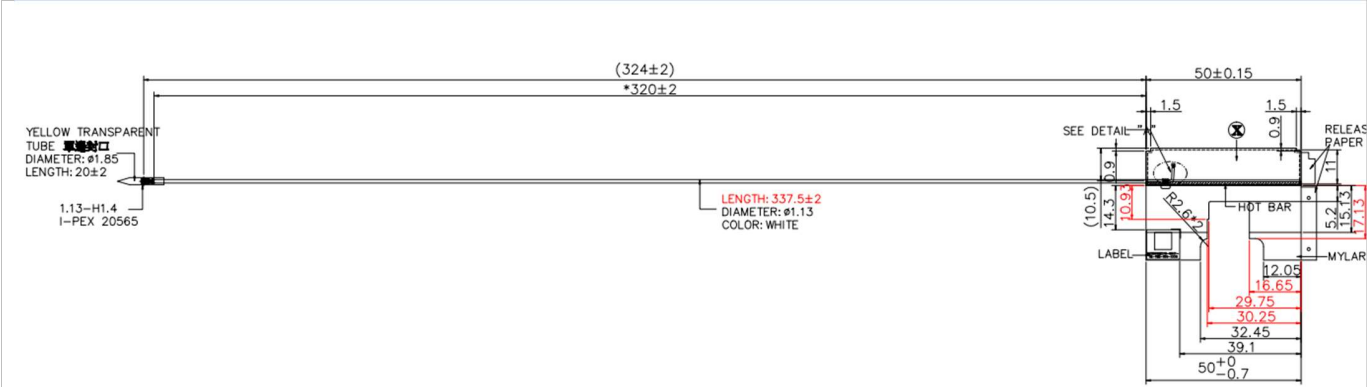
Front



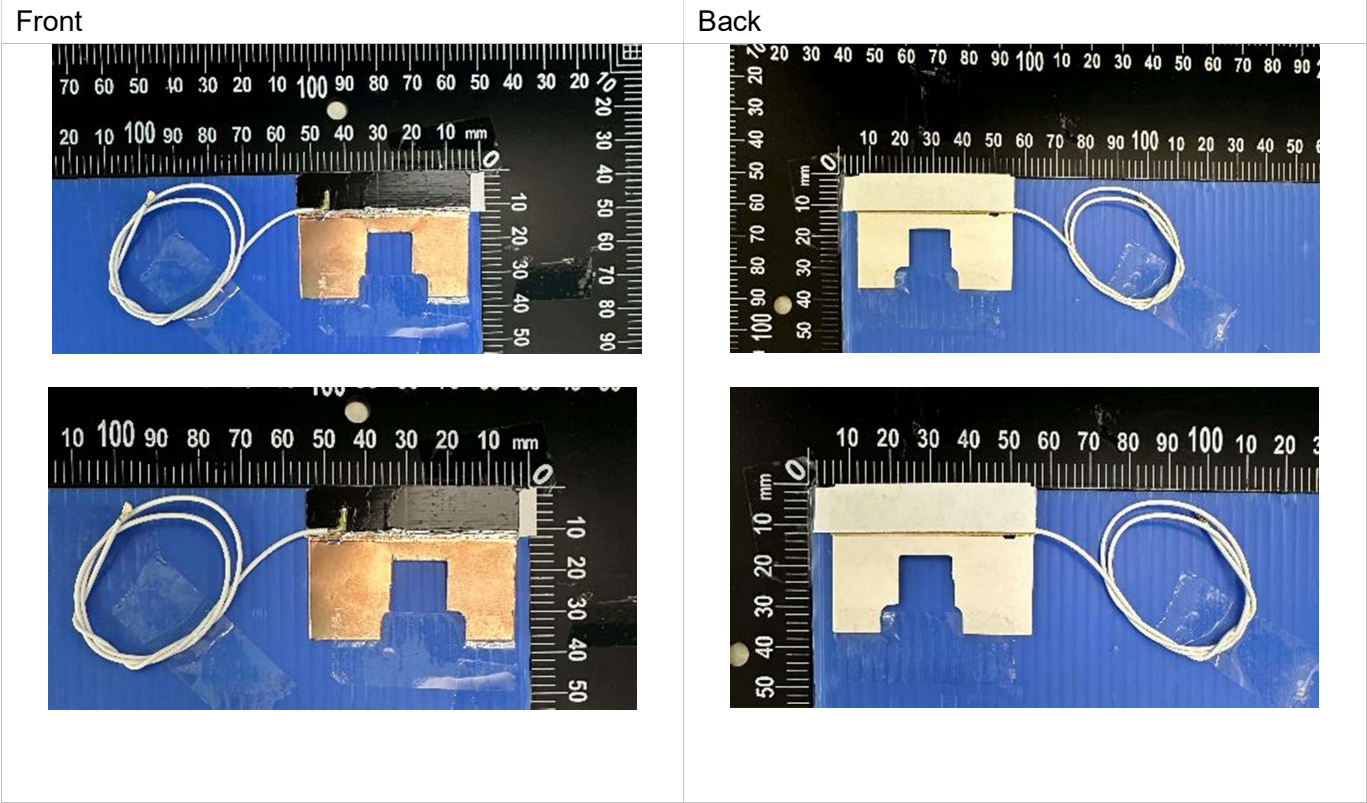
Note: antenna photo should include L type ruler

Aux Antenna

Antenna Drawing



Antenna Photo



Note: antenna photo should include L type ruler

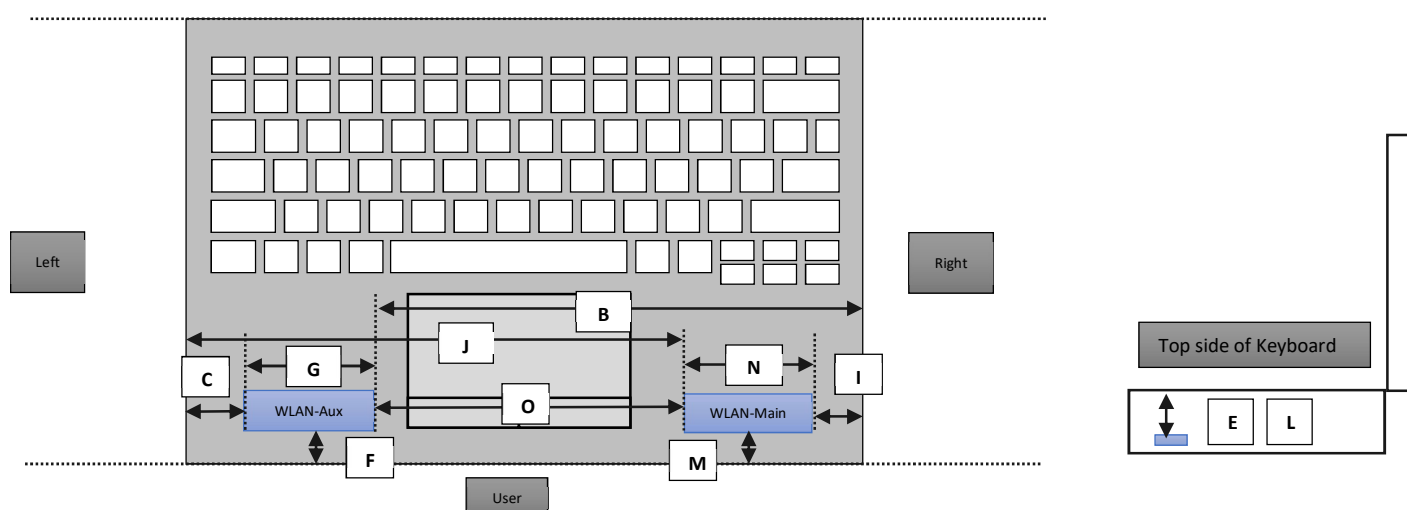
Annex B. Antenna Location

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.

Antennas on the keyboard section



Minimum Separation Distance

Item	Antenna	Position	Distance (mm)	1g or 10g SAR
B	WLAN-Aux	to Right	239.3	10g (ISED)
C	WLAN-Aux	to Left	23.9	10g (ISED)
D	WLAN-Aux	to Bottom of laptop	7.7	1g (FCC/ISED)
E	WLAN-Aux	To Top side of Keyboard	3.7	10g (ISED)
F	WLAN-Aux	to User (front)	3.92	1g (FCC/ISED)
I	WLAN-Main	to Right	37.14	10g (ISED)
J	WLAN-Main	to Left	226.1	10g (ISED)
K	WLAN-Main	to Bottom of laptop	7.7	1g FCC/ISED)
L	WLAN-Main	To Top side of Keyboard	3.7	10g (ISED)
M	WLAN-Main	to User (front)	3.92	1g FCC/ISED)
O	Main-Aux	Main to Aux	152.2	
P	NB	Bumper thickness	2.1	

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

