

ANTENNA INFORMATION

OEM	DELL
ODM	COMPAL
Platform model name	P126F
Intel platform (ex: Yes, No or NA)	Yes
Platform type (ex: regular NB, convertible PC, AIO...etc)	Regular NB
SAR minimum separation (mm)	4.44 mm (w/o bumper: 2.96 mm)

Antenna manufacturer	SPEEDWIRE		
Address	25F, No.95, Xindu 6th St., Taoyuan Dist., Taoyuan City 33044, Taiwan.		
Antenna Part number	Main: F-0G-FH-6156-001-00	DC33002RT0L(Compal)	
Antenna type (ex: PIFA, Dipole...etc)	Aux: F-0G-FH-6156-001-00	DC33002RT0L(Compal)	
	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	0.58	1.78	2.42	1.57	2.13	2.59	4.43	3.95	4.65	4.63
Aux	1.86	1.11	2.09	2.00	1.92	0.52	3.33	3.14	2.53	1.25

Cable Assembly Part Number and Information					
	Cable PN	Cable length(cm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-143	79	1.13	50	IPEX 4L
Aux	SY113L/50-118	226	1.13	50	IPEX 4L

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

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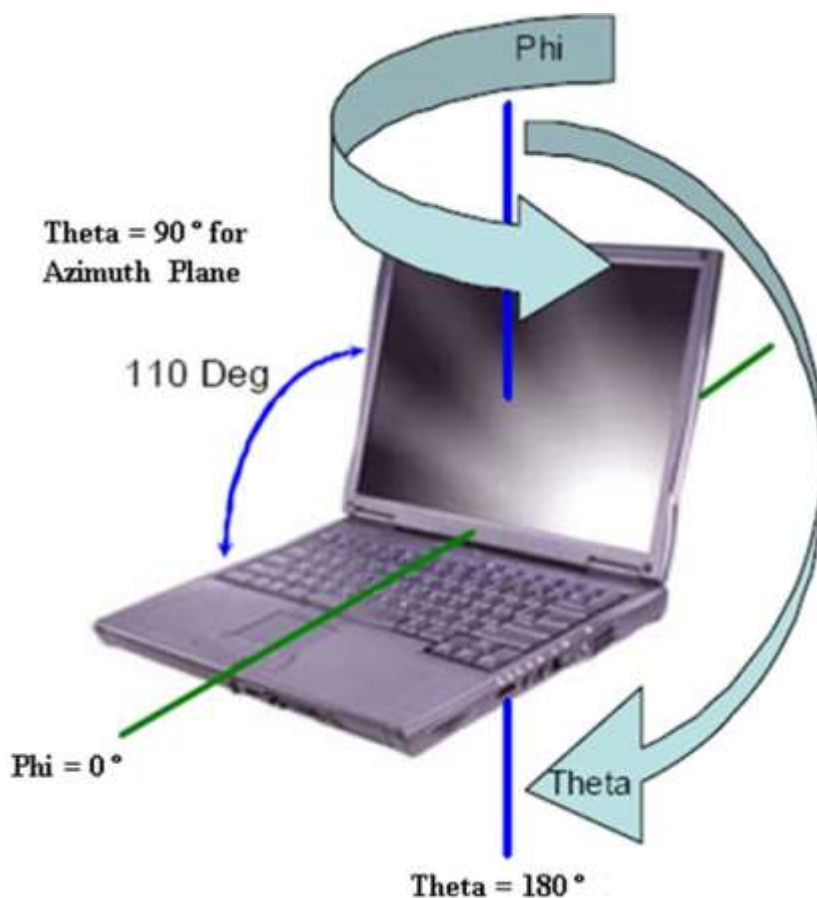
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Test Conditions

NB under test placed on a non-conductive structure at sufficient height to be in the 'quiet zone' of the chamber

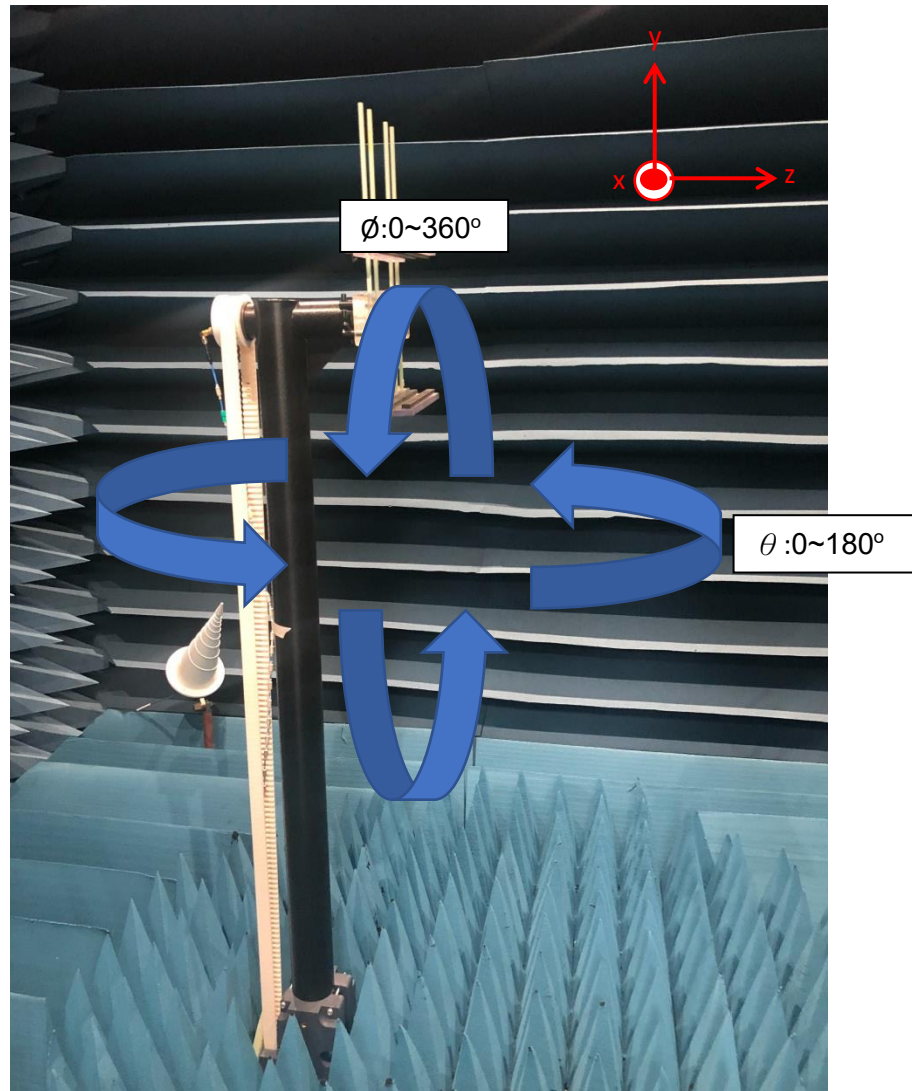
The NB under test must be fully populated with a power, motherboard, hard drive, disk drives, etc... The purpose is to characterize the antennas on a fully populated customer deliverable unit.

NB's Control panel should be parallel with XY-plane and face to X-axis, see diagram below.



Annex A. Photographs

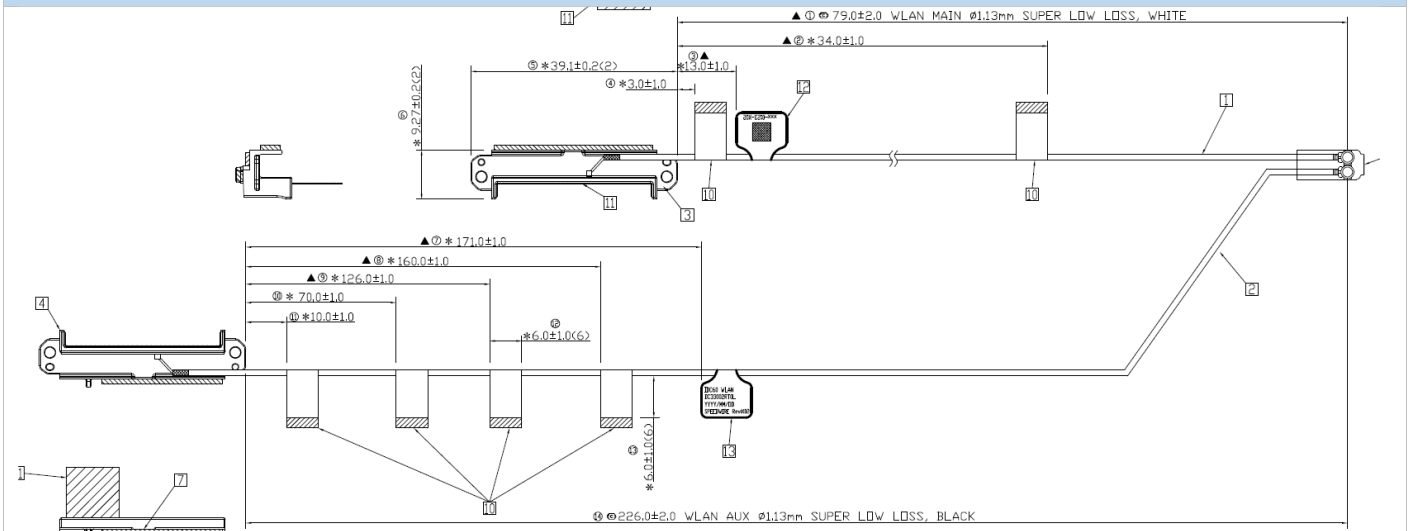
A.1 Setup Photo



A.2 Test sample

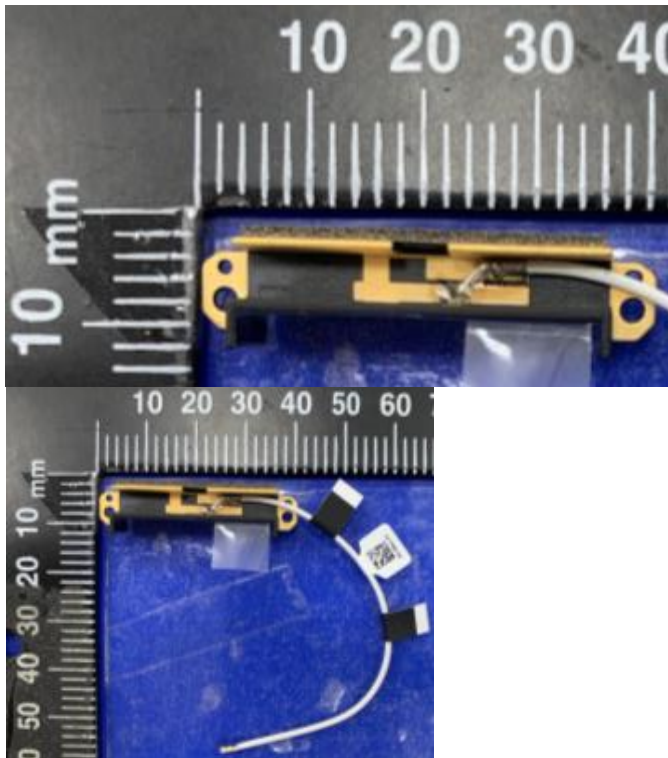
Main Antenna

Antenna Drawing

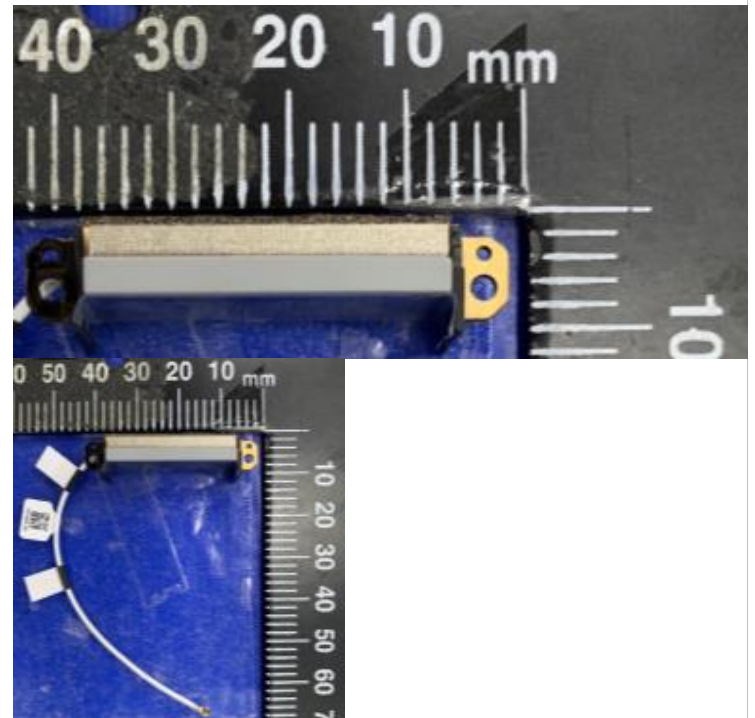


Antenna Photo

Front



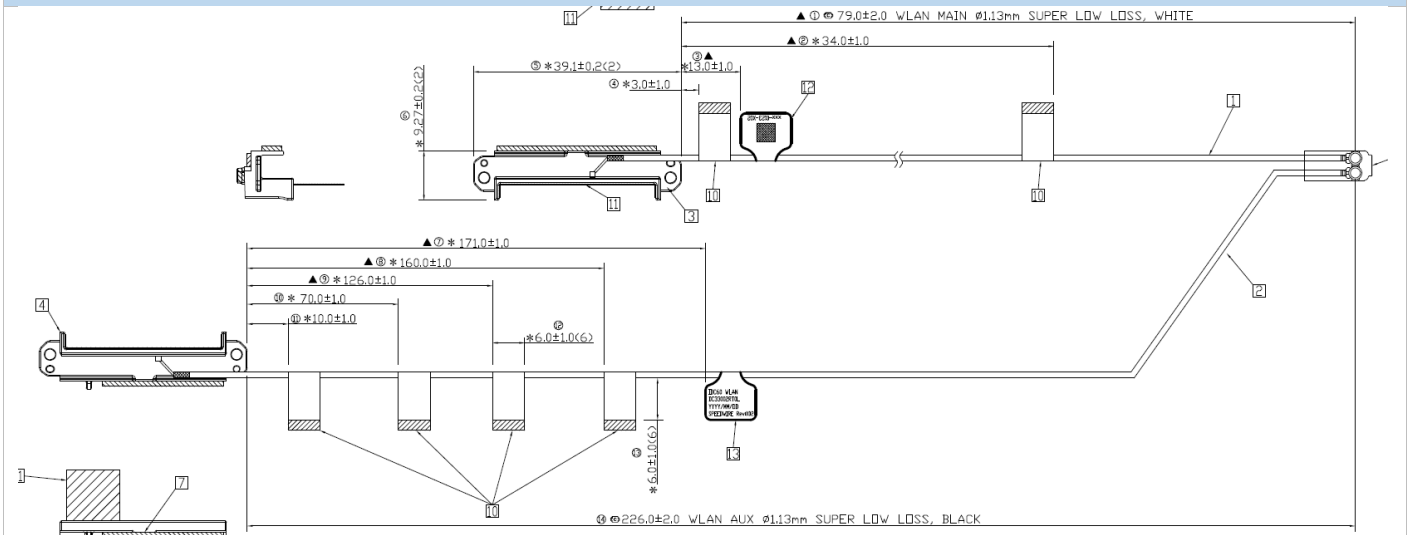
Back



Note: antenna photo should include L type ruler

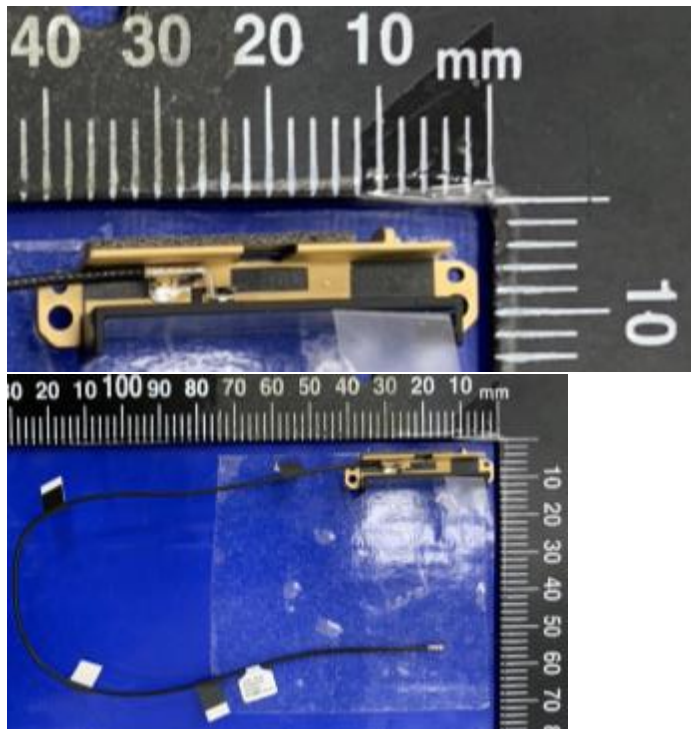
Aux Antenna

Antenna Drawing

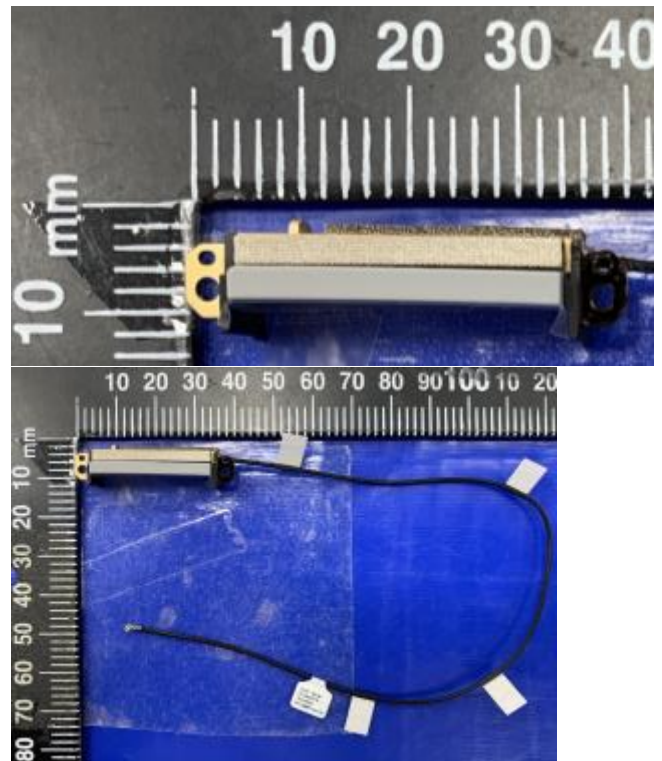


Antenna Photo

Front



[Back](#)



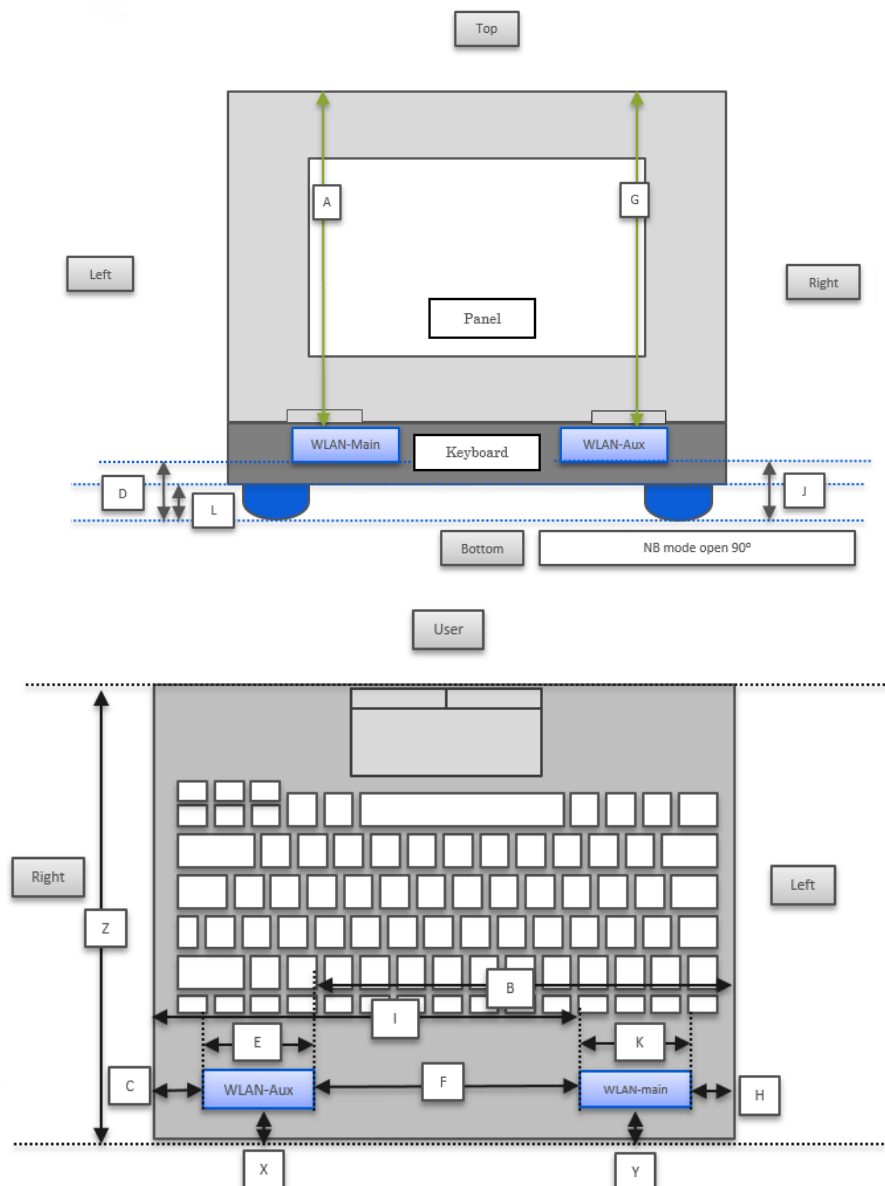
Note: antenna photo should include L type ruler

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.



Minimum Separation Distance			
Item	Antenna	Position	Distance (mm)
A	WLAN-Aux	to Top	239
B	WLAN-Aux	to Left	301
C	WLAN-Aux	to Right	19
D	WLAN-Aux	to Bottom	4.44
E	WLAN-Aux	Main Antenna Length	38.5
F	Main-Aux	Main to Aux	244
G	WLAN-main	to Top	239
H	WLAN-main	to Left	19
I	WLAN-main	to Right	301
J	WLAN-main	to Bottom	3.44
K	WLAN-main	Aux Antenna Length	38.5
L	NB	Bumper thickness	1.48
X	WLAN-Aux	to hinge	12
Y	WLAN-Main	to hinge	12
Z	NB	Keyboard depth	248

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.

