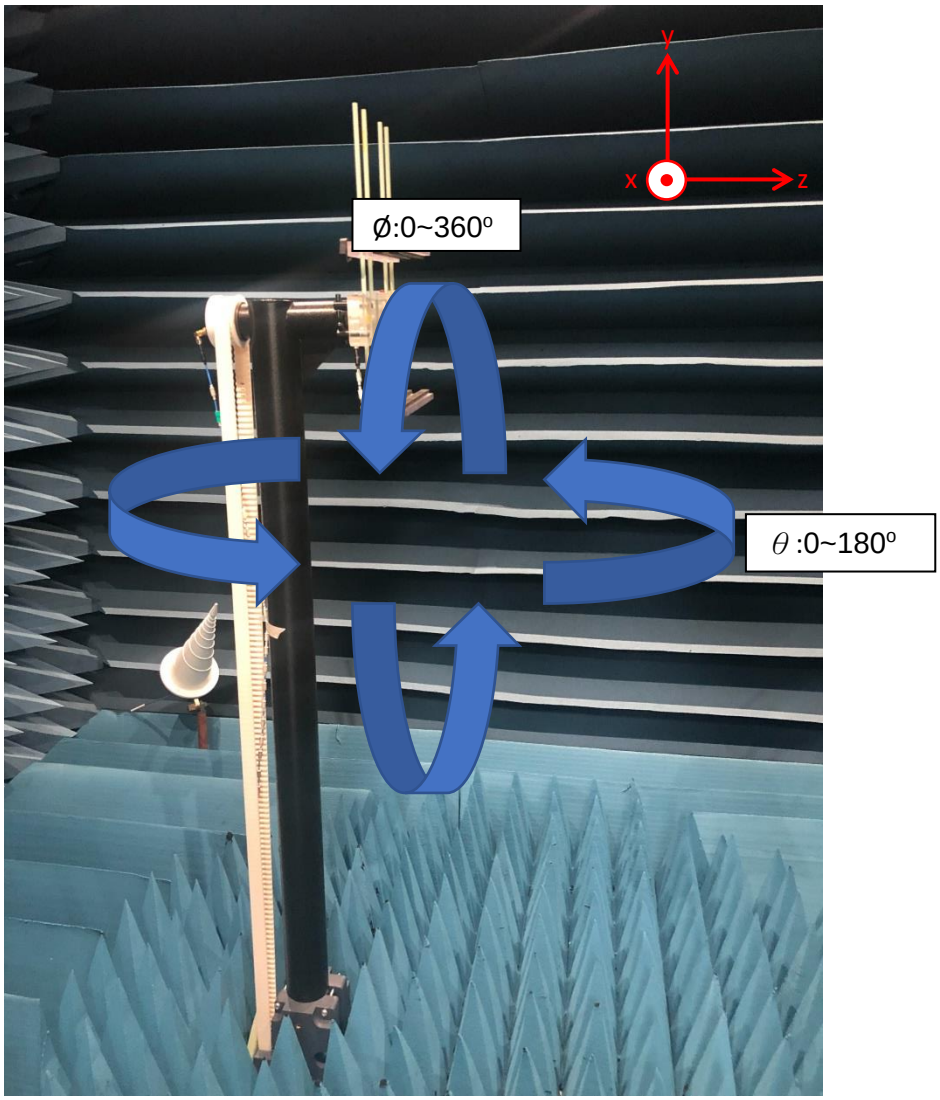
3. Setup photo

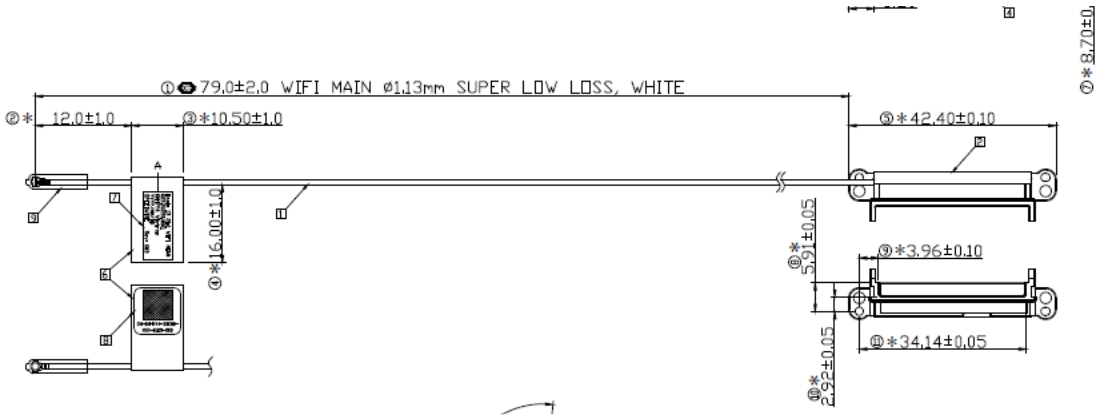
Test Conditions
NB under test placed on a non-conductive structure at sufficient height to be in the ‘quiet zone’ of the chamber
The NB under test must be fully populated with a power, motherboard, hard drive, disk drives, etc… The purpose is to characterize the antennas on a fully populated customer deliverable unit.
NB’s panel should be parallel with XY-plane and face to Y-axle, see diagram below.



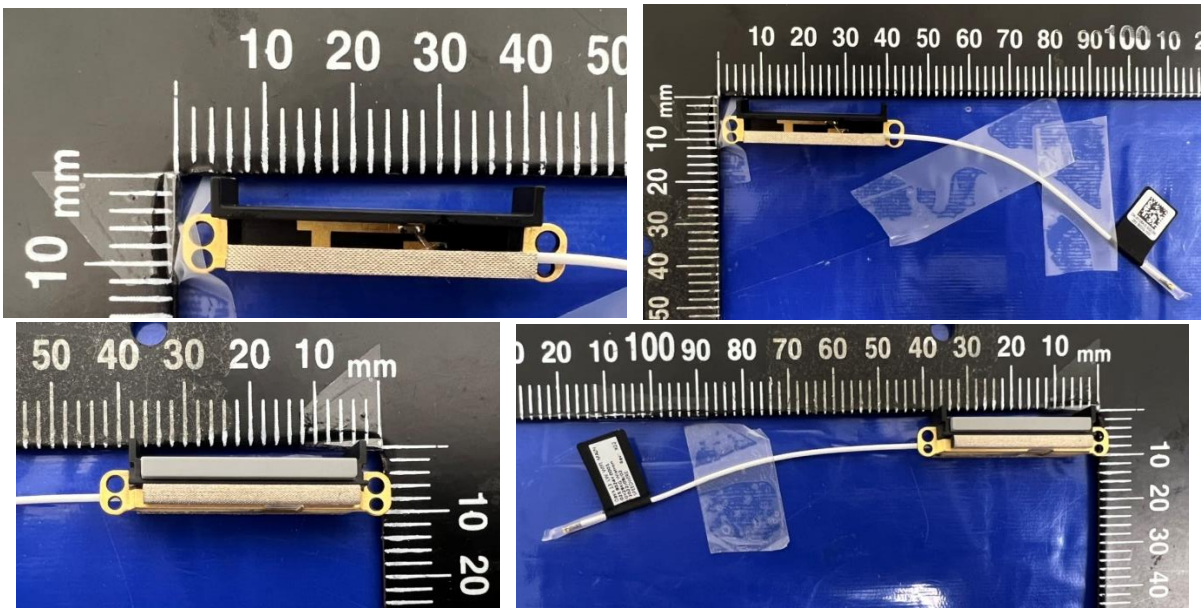
Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



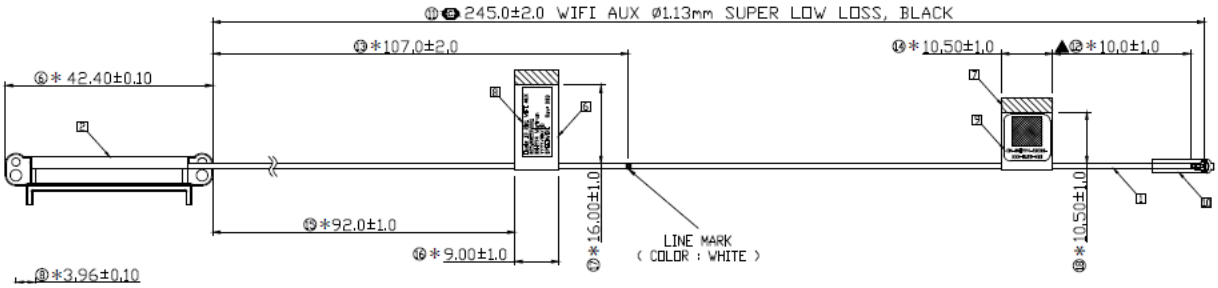
Main Antenna Photo (Front/Back):



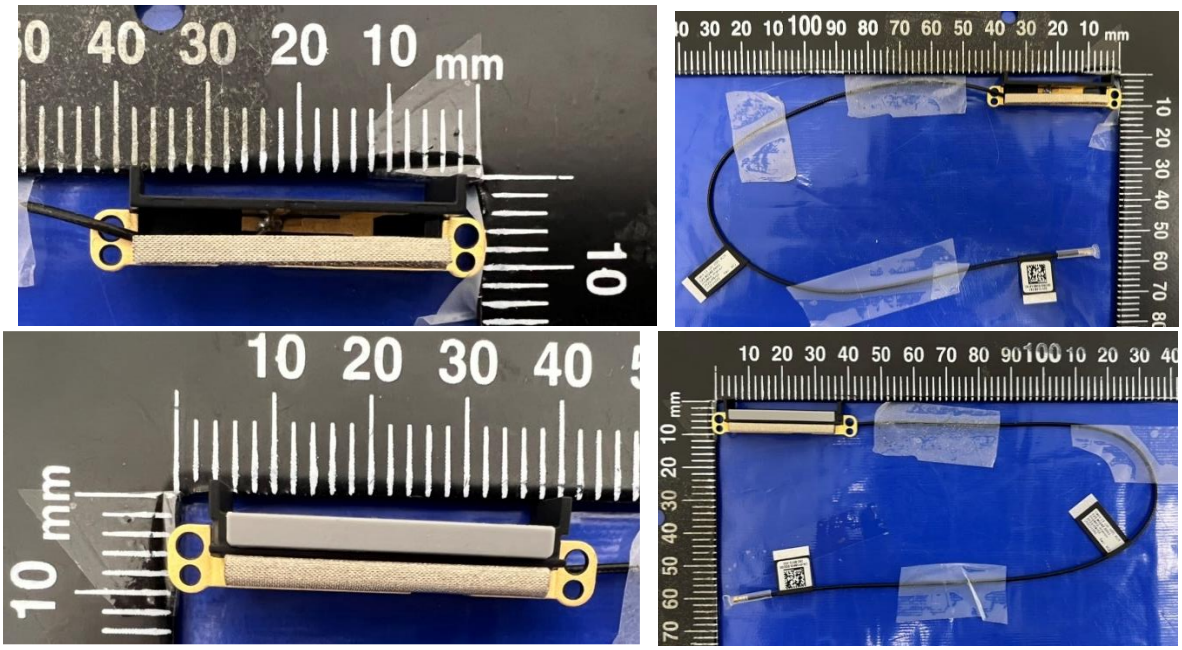
Note: antenna photo should include L type ruler

Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:



Aux Antenna Photo (Front/Back):

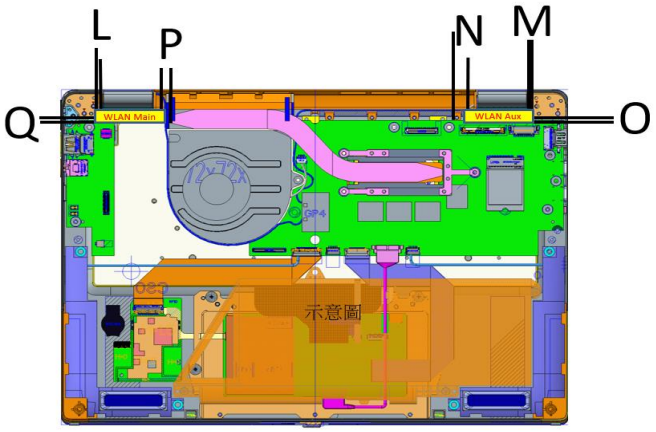


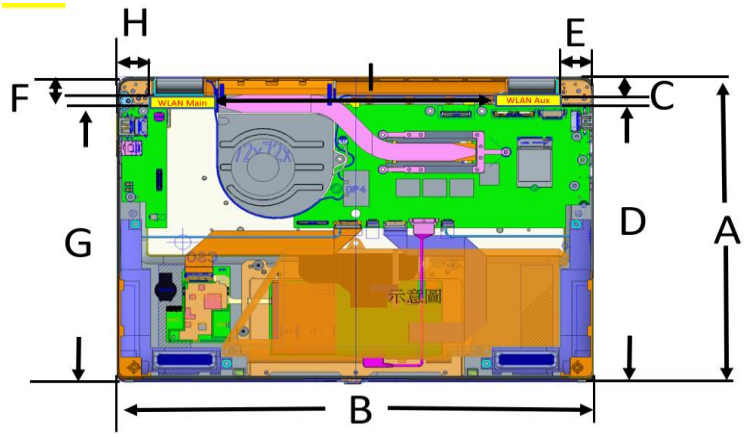
Note: antenna photo should include L type ruler

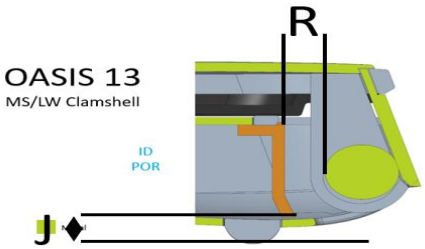
Section 4. Antenna Host Platform Location Information

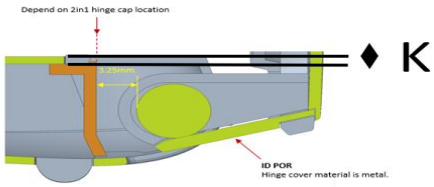
Include a **dimensioned photo(s) or dimensioned drawing(s)** of Main and Aux antenna placements (measurements are not required for receive-only antenna).

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.





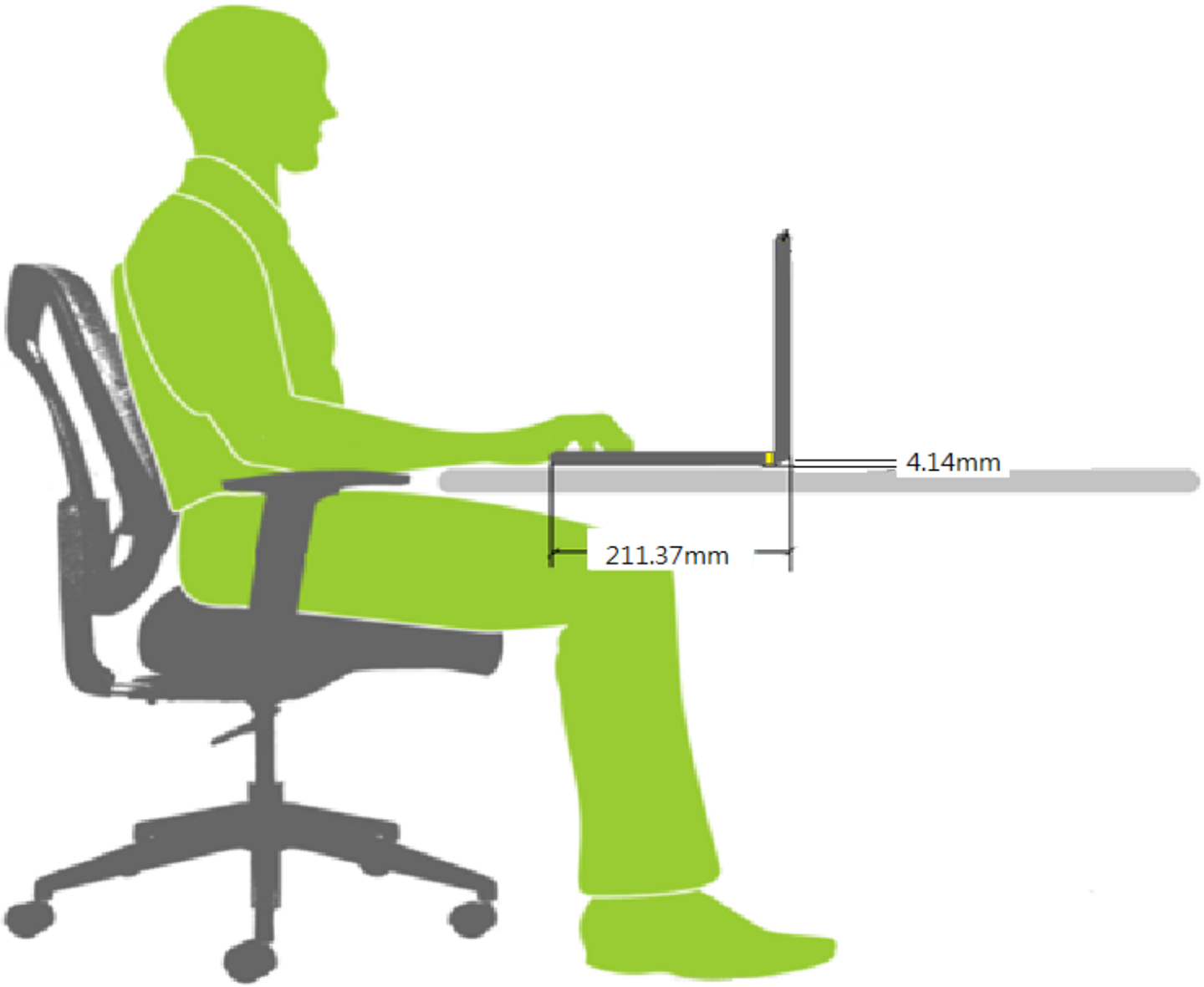




Item	Location	distance
A	SYSTEM Y	211.37
B	SYSTEM X	299.00
C	WLAN-main to edge	6.90
D	WLAN-main to edge	192.35
E	WLAN-main to edge	22.40
F	WLAN-aux to edge	6.90
G	WLAN-aux to edge	192.35
H	WLAN-aux to edge	22.40
I	WLAN-aux to WLAN-main	186.60
J	WLAN to table	4.14
K	WLAN to C cover	1.10
L	WLAN to metal	1.20
M	WLAN to metal	1.25
N	WLAN to metal (eDP cable)	50.30
O	WLAN to metal (MB)	0.46
P	WLAN to metal (ANT cable)	0.1
Q	WLAN to metal (MB)	0.46
R	WLAN to metal (Hinge)	4.40

Section 5. Antenna dimensional information for SAR evaluation

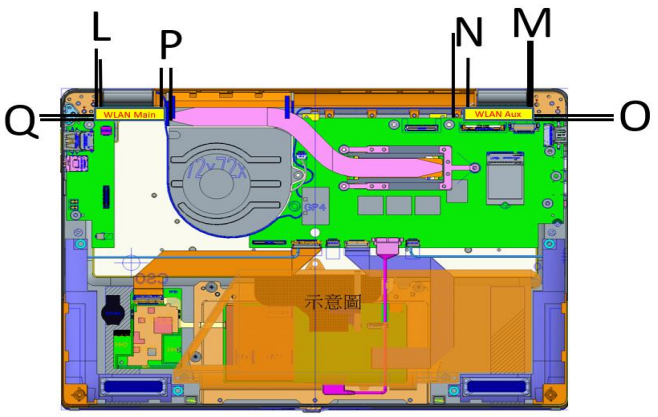
Include a **dimensioned photo(s) or dimensioned drawing(s)** showing the distance (mm) between the transmit antennas and the user. For notebook/laptop hosts show lapheld position (example below). For tablet hosts show all orientations including lapheld, primary & secondary portrait, primary & secondary landscape positions. Include a description of any proximity sensors or power throttling implementations that limit or exclude use of any host orientation.

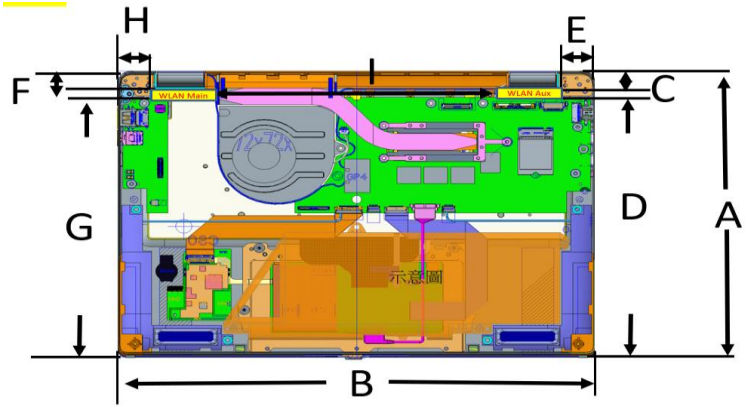


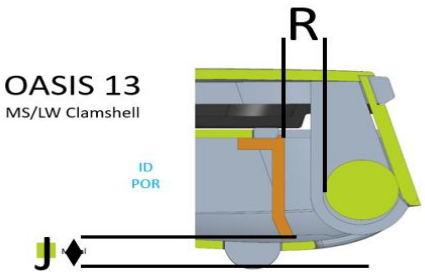
Section 6. Diagram Example of Co-Location Antenna Separation

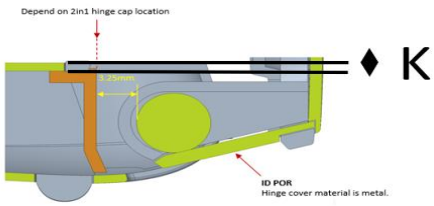
Include a **dimensioned photo or dimensioned drawing** showing the distance (mm) between **all WLAN transmit antennas** and other co-located radiator transmit antenna such as Bluetooth, WWAN,..

(Note: Due to the evolving rules regarding co-location, each platform will need to be reviewed on a case by case basis)









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