

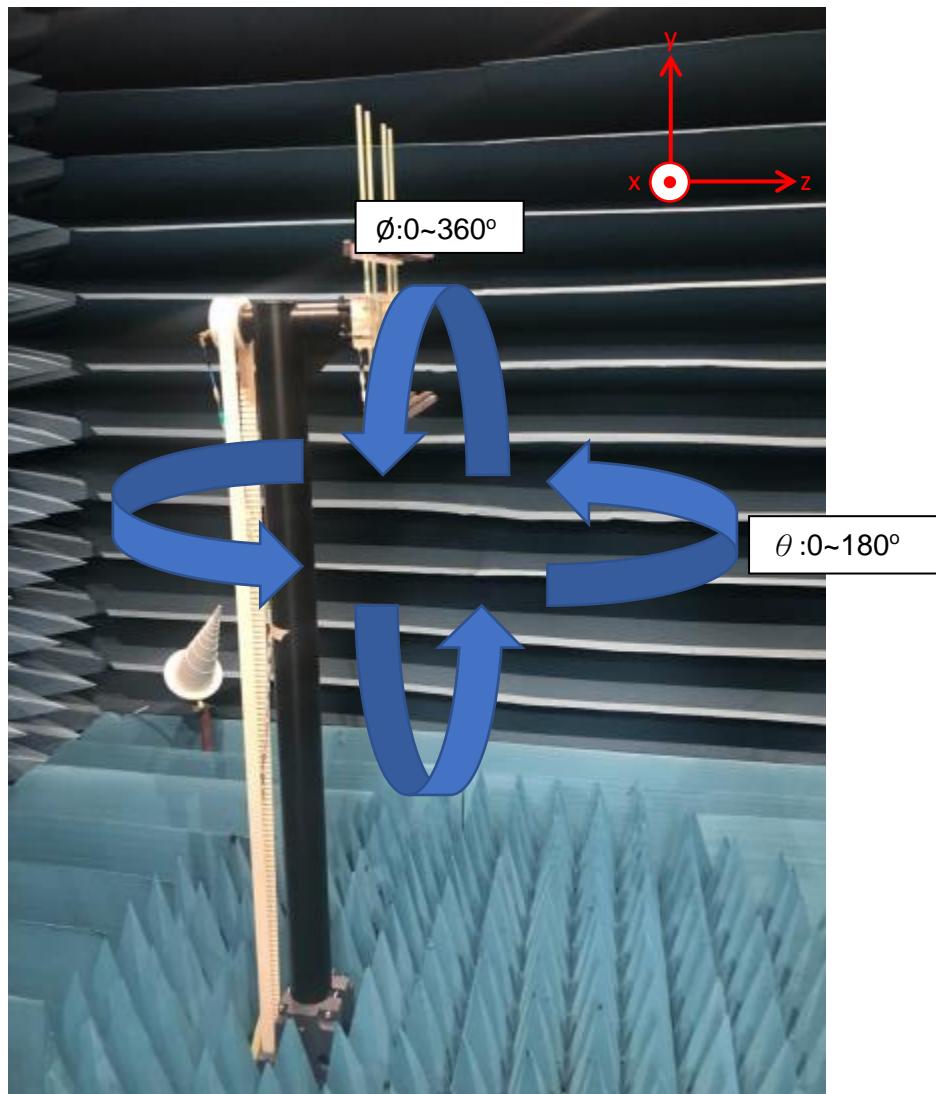
3. Setup photo

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.

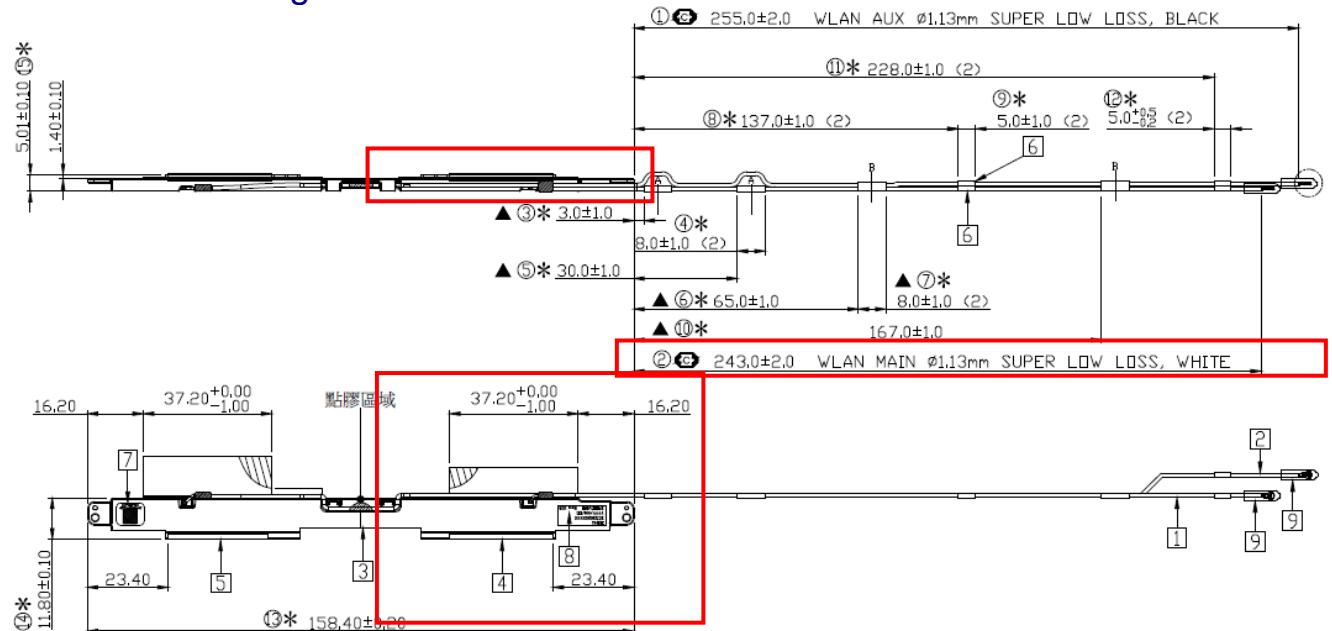
NB's panel should be parallel with XY-plane and face to Y-axle, see diagram below.



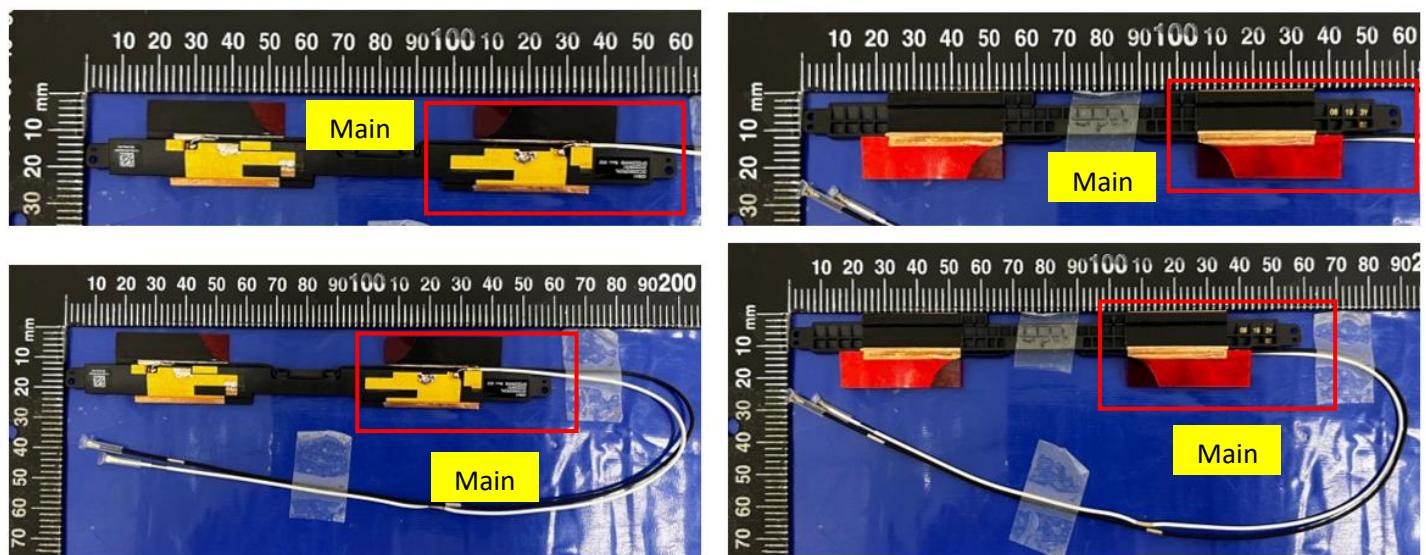
Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



Main Antenna Photo (Front/Back):



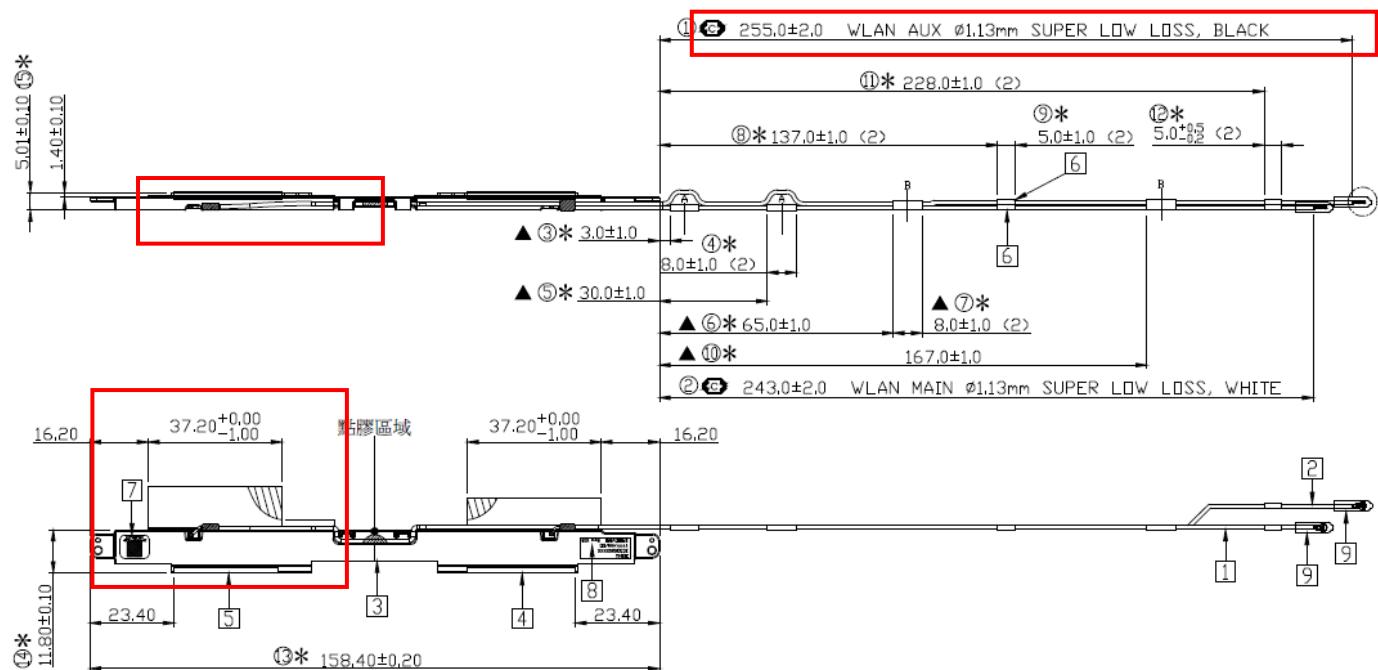
Antenna Manufacturer: Speed Wireless Technology

Antenna Part Number: F-0G-FH-6158-001-00 (Main), F-0G-FH-6158-001-00 (Aux), (Compal PN Main: DC33002R23L/AUX: DC33002R23L)

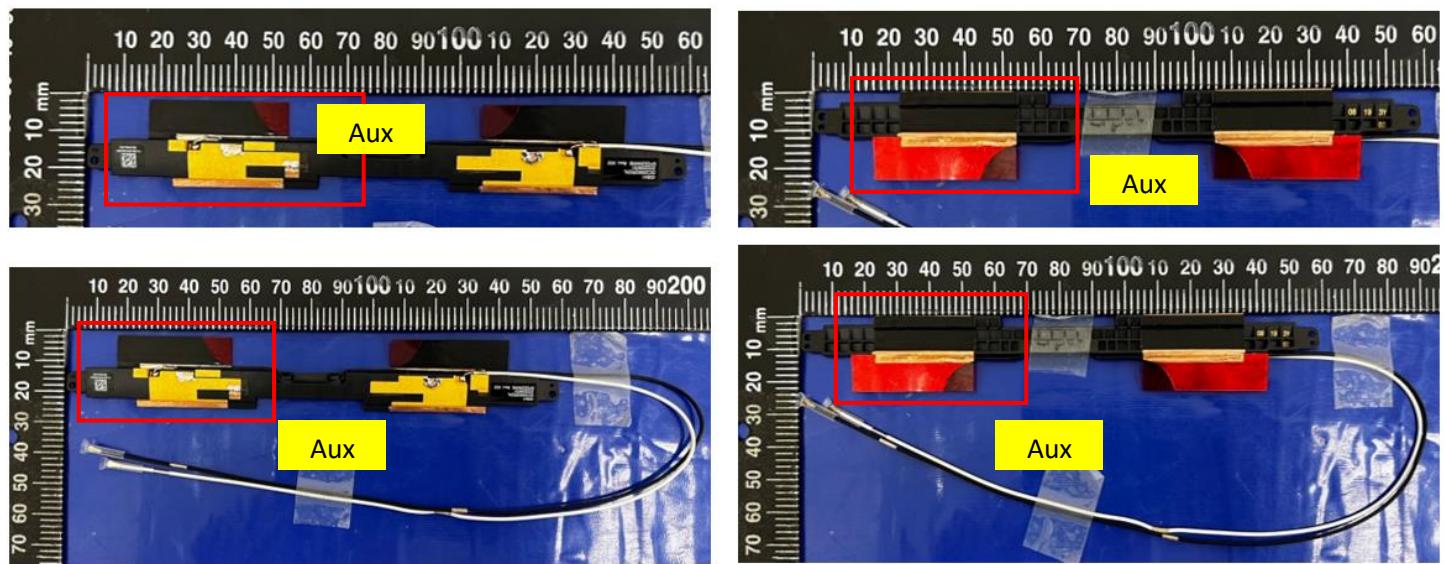
Note: antenna photo should include L type ruler

Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:



Aux Antenna Photo (Front/Back):



Antenna Manufacturer: Speed Wireless Technology

Antenna Part Number: F-0G-FH-6158-001-00 (Main), F-0G-FH-6158-001-00 (Aux), , (Compal PN Main:DC33002R23L/AUX: DC33002R23L)

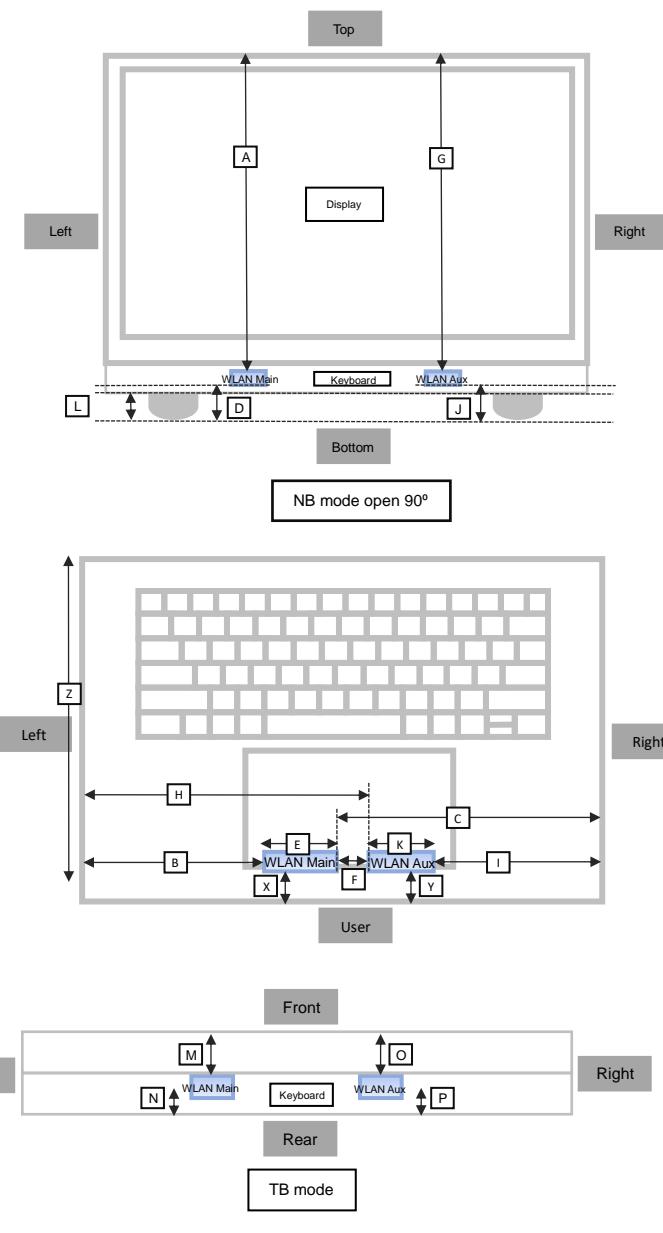
Note: antenna photo should include L type ruler

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.

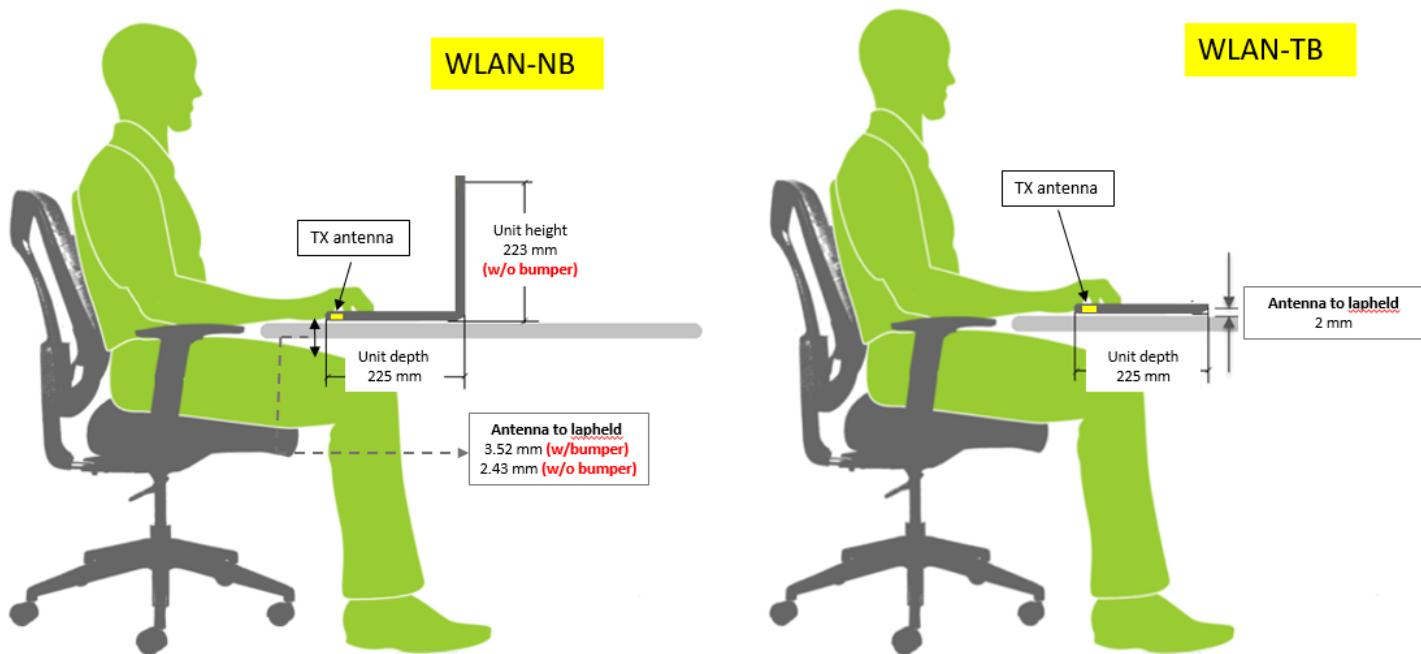
Minimum Separation Distance			
Item	Antenna	Position	Distance (mm)
A	WLAN-Main	To top	320
B	WLAN-Main	To left	98
C	WLAN-Main	To right	177
D	WLAN-Main	To bottom	8
E	WLAN-Main	Main antenna length	45
F	Main-Aux	Main to Aux	45
G	WLAN-Aux	To top	320
H	WLAN-Aux	To left	176
I	WLAN-Aux	To right	103
J	WLAN-Aux	To bottom	8
K	WLAN-Aux	Aux antenna length	45
L	NB	Bumper thickness	3
X	WLAN-Main	To user	17
Y	WLAN-Aux	To user	17
Z	NB	Keyboard depth	210



Minimum Separation Distance			
Item	Antenna	Position	Distance (mm)
M	WLAN-Main	To front	5
N	WLAN-Main	To rear	2.5
O	WLAN-Aux	To front	5
P	WLAN-Aux	To rear	2.5

Section 5. Antenna dimensional information for SAR evaluation

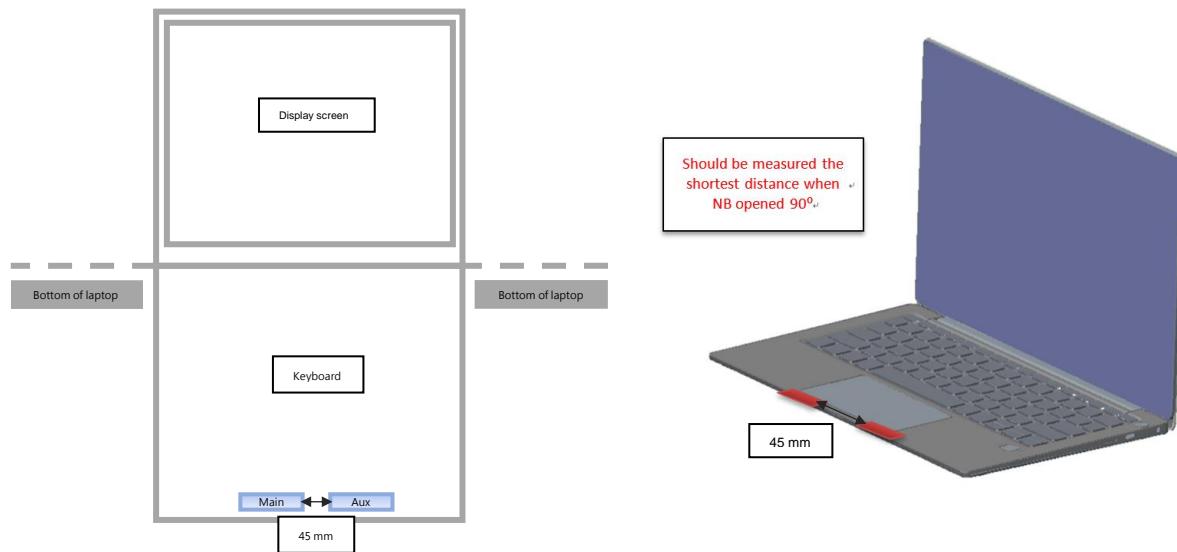
Include a **dimensioned photo(s) or dimensioned drawing(s)** showing the distance (mm) between the transmit antennas and the user. For notebook/laptop hosts show lapheld position (example below). For tablet hosts show all orientations including lapheld, primary & secondary portrait, primary & secondary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



Revision History

Revision	Description	Date
10.3	<u>Page2-5</u> Add Applicable test method, Test & System Description and Setup photo	July 24, 2022
10.4	<u>Cover page</u> Add Intel 5.9GHz reference antenna gain <u>Cover page/Section1/Section3</u> Add 5.9GHz antenna gain information	September 15, 2022