Regulatory WLAN Antenna Information (Template)

English Language Required for Intel Regulatory Review / Approval

(OEM/ODM or antenna vendor is required to complete this document with platform antenna information.

Remove Intel references and make this your own document)

Platform information					
Brand	**ODM**	**RMN**	**Intel platform** (ex: Yes, No or NA)	**Platform type** (ex: regular NB, convertible PC, AIO…etc)	***SAR minimum separation (mm)**
HP Inc.	Wistron	TPN-W166	Yes	Regular NB	1.72

*****Please fill in exact product model name and make sure the model name is visible on product cover or any parts for end users recognize for authority inspection.**

Antenna information			
Vendor	**Type**	**Antenna Part number** (Main/Tx2)	**Antenna Part number** (Aux/Tx1)
WNC	PIFA	**025.902ID.0001 81EAB615.G55**	**025.902IE.0001 81EAB615.G54**

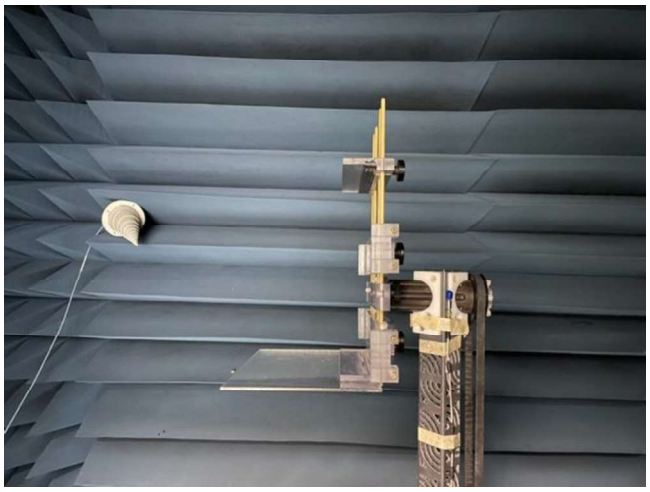
Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	**5.2GHz** 5150-5250MHz	**5.3GHz** 5250-5350MHz	**5.6GHz** 5470-5725MHz	**5.8GHz** 5725-5850MHz	**5.9GHz** 5850-5895MHz	**6.2GHz** 5925-6425MHz	**6.5GHz** 6425-6525MHz	**6.7GHz** 6525-6875MHz	**7.0 GHz** 6875-7125MHz
Main	1.87	1.8	1.2	0.92	1.76	1.92	1.7	1.46	0.75	0.97
Aux	2.5	1.81	1.03	0.98	0.98	1.01	1.47	1.05	0.36	0.58

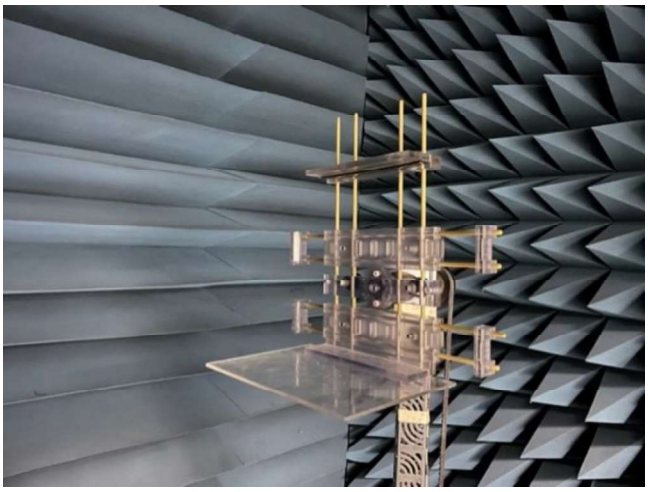
Module Information	
Model	**Form factor and suffixes**
AX211NGW	Intel Garfield Peak 2 AX211 Wi-Fi 6e +Bluetooth 5.2 M.2 2230 160MHz CNVi WW WLAN
BE201NGW	Intel Fillmore Peak 2 BE201 M.2 2230 Wi-Fi 7 +Bluetooth 5.4 non-vPro WW WLAN

Antenna Vendor Address
Wistron NeWeb Corp.,20 Park Avenue II, Hsinchu Science Park, Hsinchu, Taiwan, R.O.C.

Antenna manufacturer	Company name	WNC
	Address	No. 20, Yuanqu 2nd Rd., Baoshan Township, Hsinchu County 300092 , Taiwan (R.O.C.)
Test location	Company name	SGS
	Address	1F., No. 8, Aly. 15, Ln. 120, Sec. 1, Neihu Rd., Neihu Dist., Taipei City , Taiwan (R.O.C.)
Test Personnel	Name(Full name)	Willy.Lee
	E-mail	Willy.Lee@sgs.com
	Tel/Mobile	+886 2299 3279 #1690
Testing date		2024/10/08

3. Setup photo

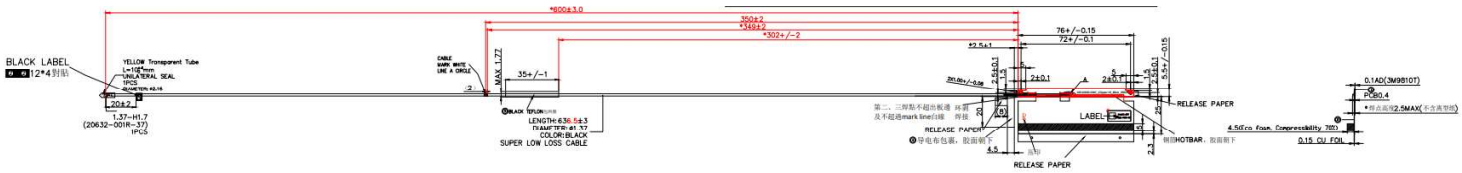




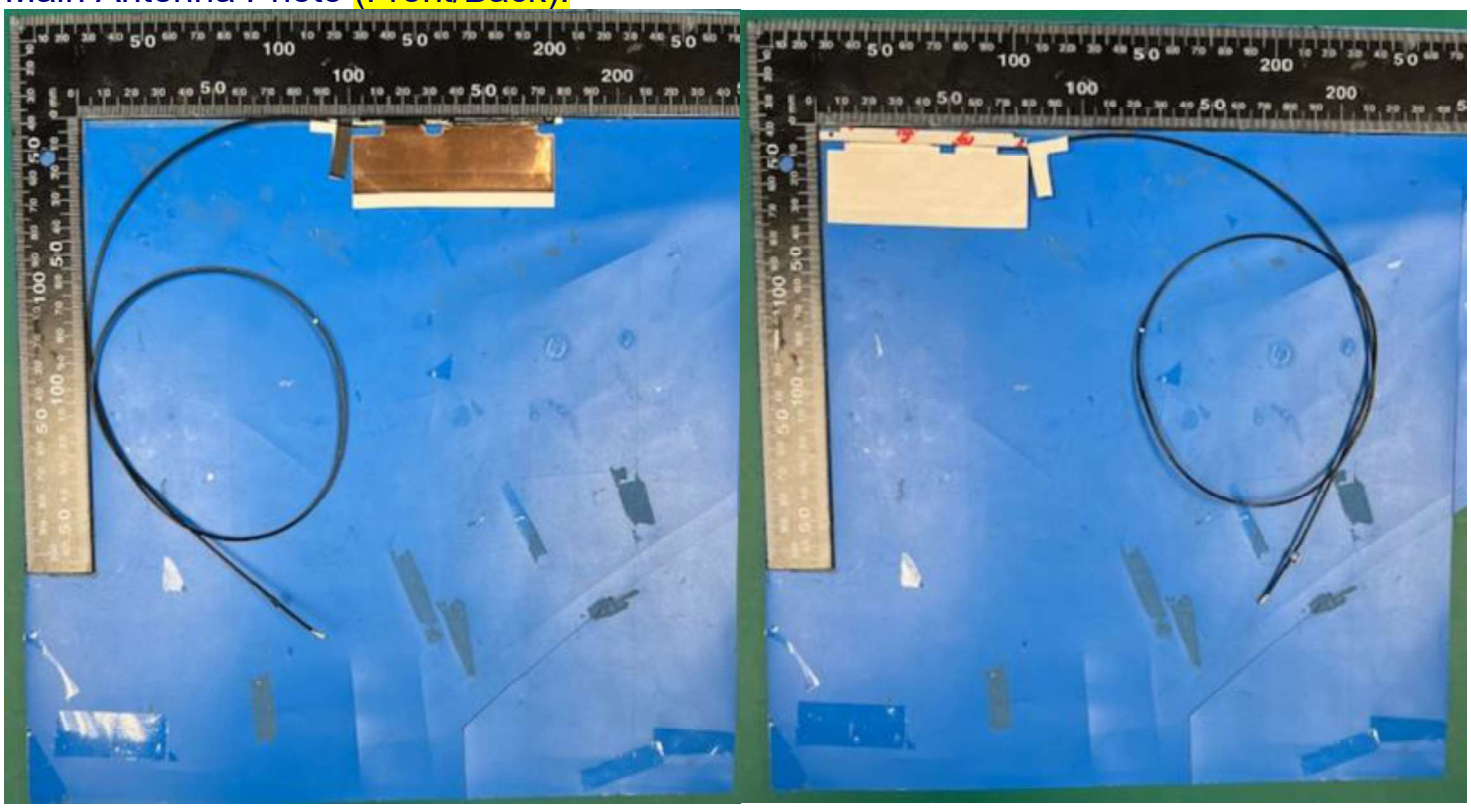
Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



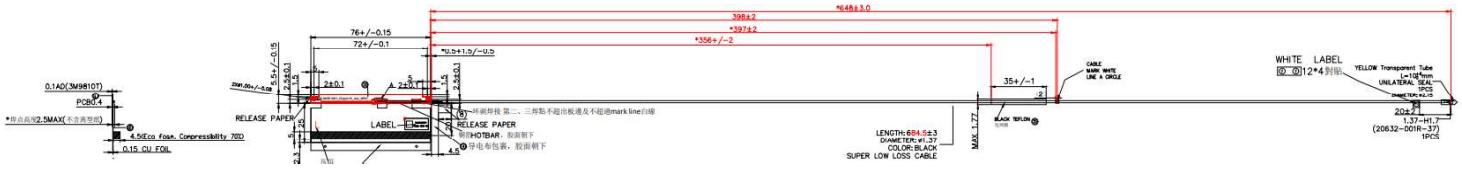
Main Antenna Photo (Front/Back):



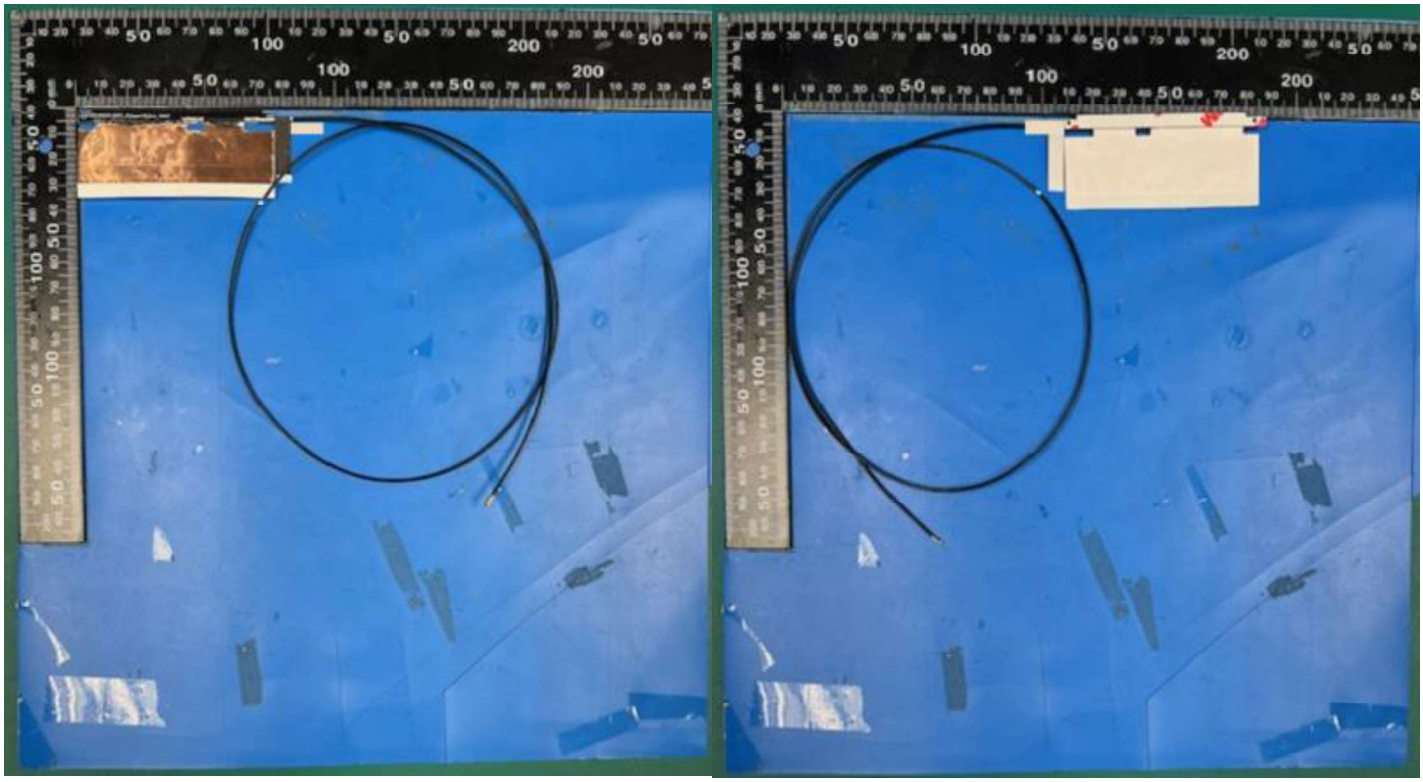
Note: antenna photo should include L type ruler

Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:



Aux Antenna Photo (Front/Back):

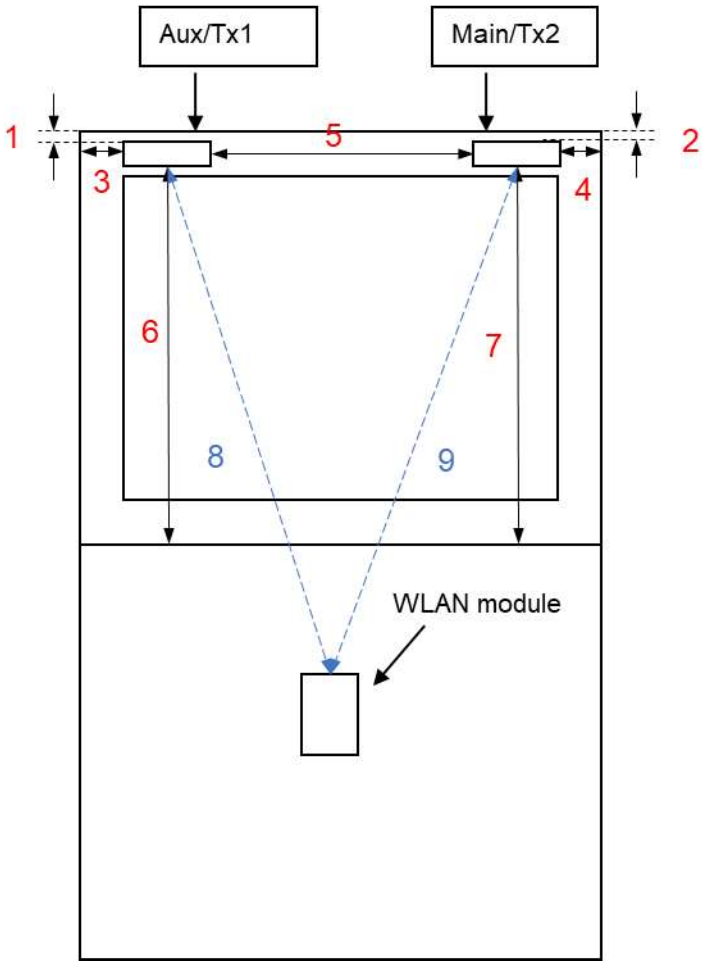


Note: antenna photo should include L type ruler

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).

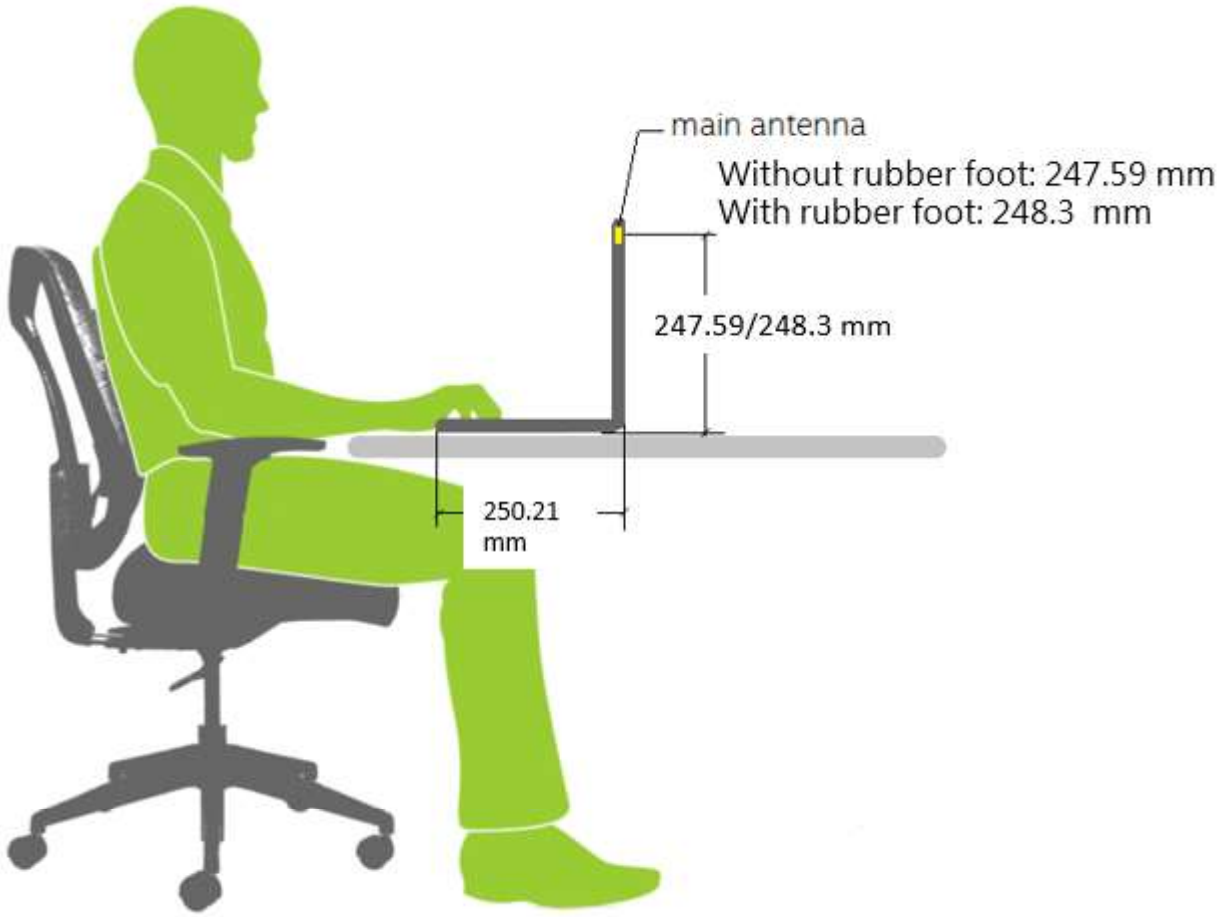
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.

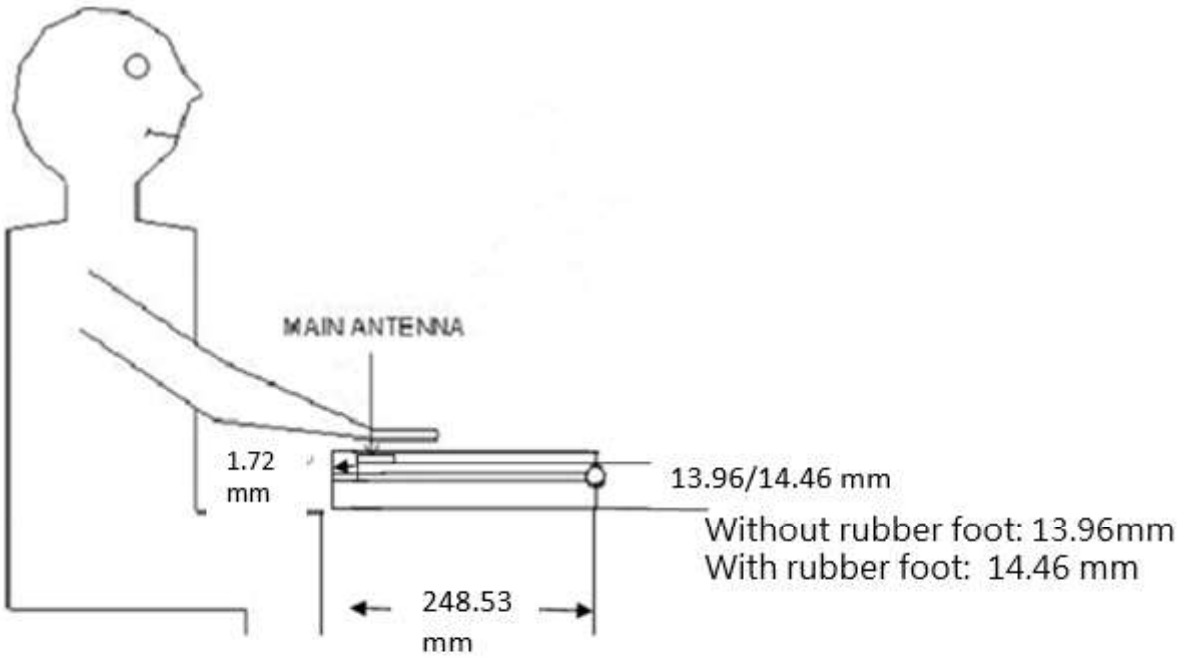


Dimension:	1	2	3	4	5	6	7	8	9
(mm)	1.72	1.72	39.5	39.5	125	238.29	238.29	275.9	270.29

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.

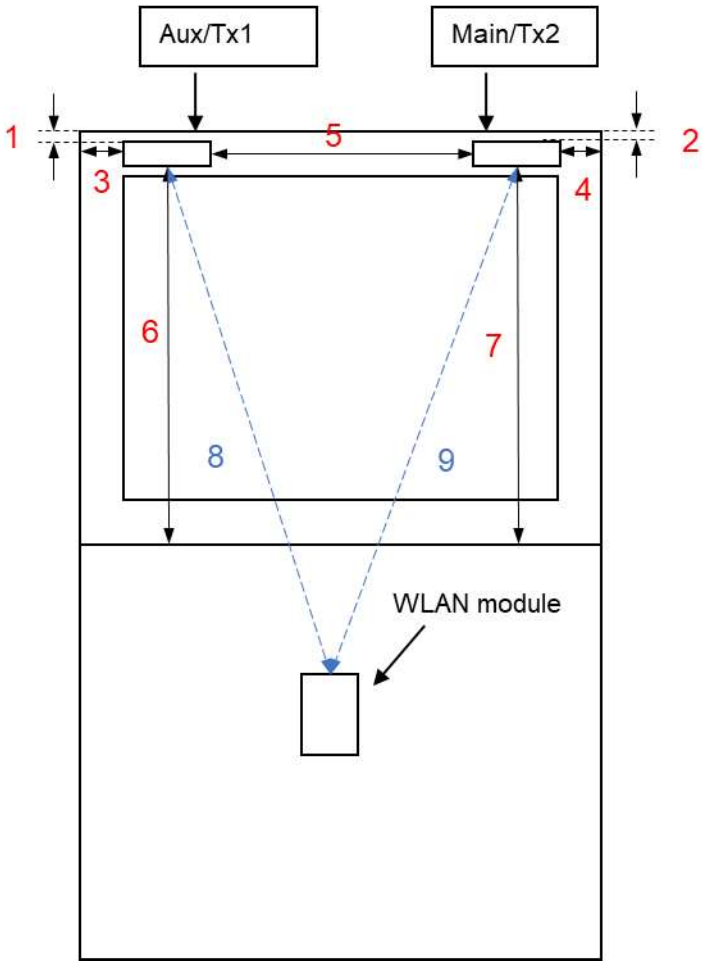

main antenna
Without rubber foot: 247.59 mm
With rubber foot: 248.3 mm
247.59/248.3 mm
250.21
mm



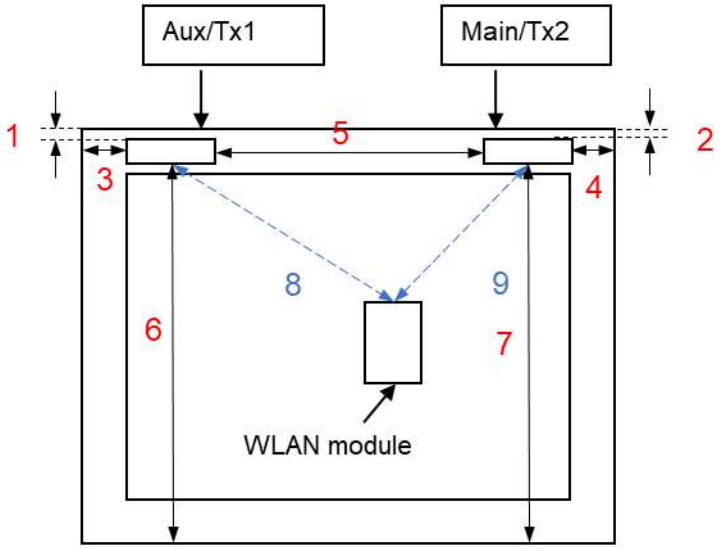
Section 6. Diagram Example of Co-Location Antenna Separation

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)



NB Dimension: (mm)	WLAN module to Tx2	270.29
	WLAN module to Tx1	275.9



TB Dimension: (mm)	WLAN module to Tx2	174.47
	WLAN module to Tx1	183.09