

Regulatory WLAN Antenna Information

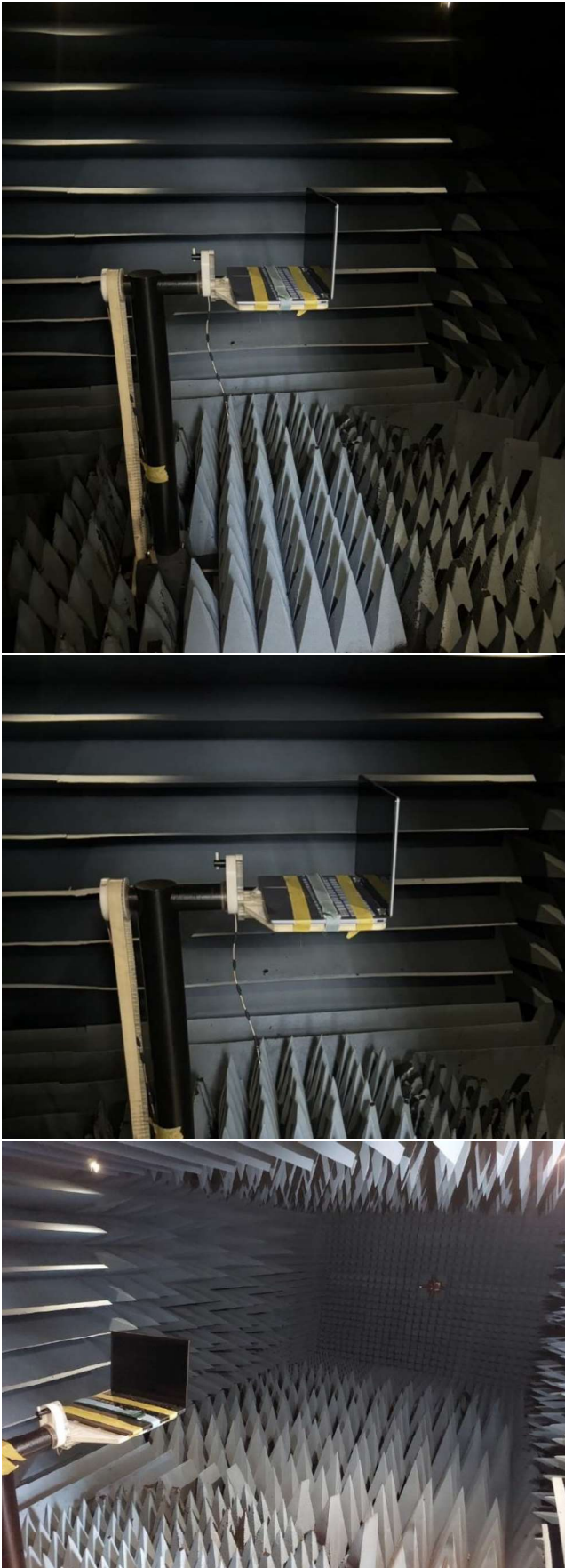
English Language Required for Intel Regulatory Review / Approval

(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 <small>(ex: Yes, No or NA)</small>		Platform type <small>(ex: regular NB, convertible PC, AIO...etc)</small>		*SAR minimum separation (mm)		
HP Inc.	WISTRON		TPN-W169	Yes		Convertible PC		3.5mm		
*****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 <small>(Main/Tx2)</small>			Antenna Part number <small>(Aux/Tx1)</small>			
High-Tek Electronics Co., Ltd		PIFA		025.902IK.0001 (0ACAR024001N)			025.902IL.0001 (0ACAR024002N)			
Peak gain w/ cable loss (dBi)*										
	2.4GHz <small>2400-2483.5 MHz</small>	5.2GHz <small>5150-5250MHz</small>	5.3GHz <small>5250-5350MHz</small>	5.6GHz <small>5470-5725MHz</small>	5.8GHz <small>5725-5850MHz</small>	5.9GHz <small>5850-5895MHz</small>	6.2GHz <small>5925-6425MHz</small>	6.5GHz <small>6425-6525MHz</small>	6.7GHz <small>6525-6875MHz</small>	7.0 GHz <small>6875-7125MHz</small>
Main	2.22	0.89	0.79	0.69	1.07	0.28	1.21	0.79	2.05	0.26
Aux	1.28	-0.01	0.43	0.57	0.82	0.24	2.54	2.54	2.02	-0.28
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								
Antenna Vendor Address										
17F., No. 100, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City , Taiwan (R.O.C.)										

Antenna manufacturer	Company name	High-Tek Electronics Co., Ltd
	Address	17F., No. 100, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City , Taiwan (R.O.C.)
Test location	Company name	High-Tek Electronics Co., Ltd
	Address	17F., No. 100, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City , Taiwan (R.O.C.)
Test Personnel	Name(Full name)	Steve Yang
	E-mail	steve_yang@hightek.com.tw
	Tel/Mobile	886-2-2696-1996
Testing date		2024/10/28

3. Setup photo



Antenna Manufacturer Information

High-Tek Electronics Co., Ltd

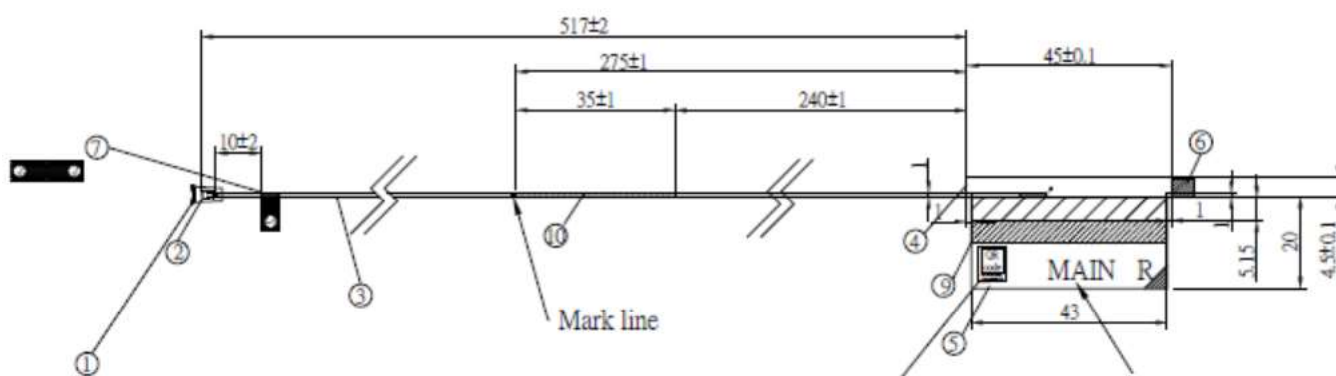
17F., No. 100, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City , Taiwan (R.O.C.)

TEL:886-2-2696-1996 <http://www.high-tek.com.tw>

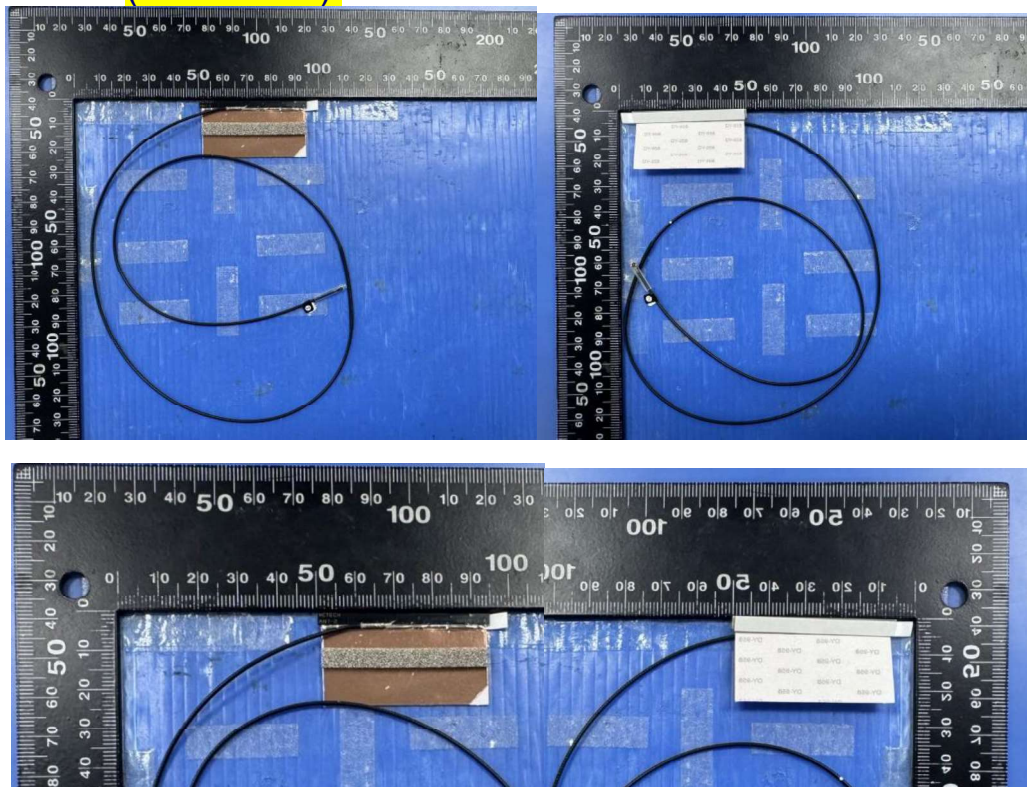
Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



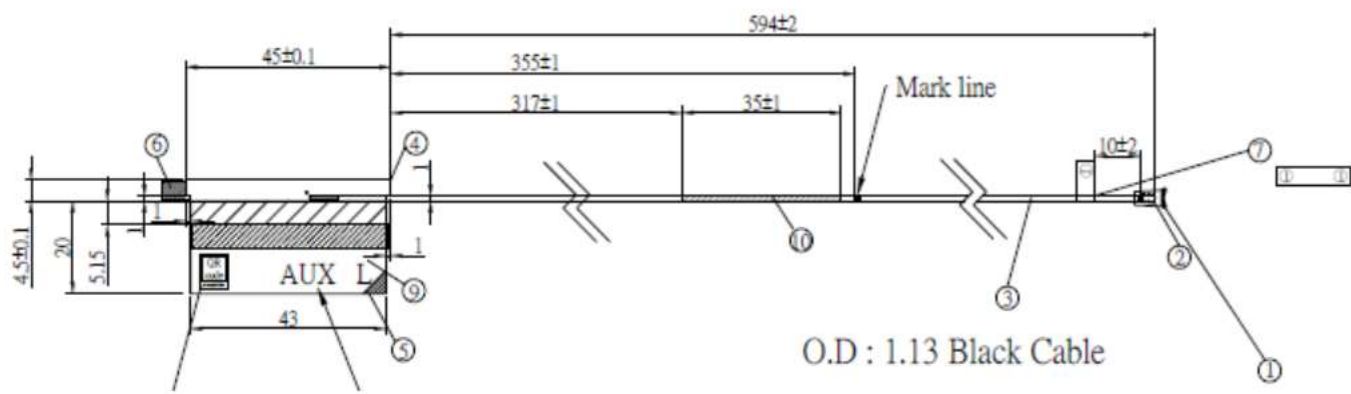
Main Antenna Photo (Front/Back):



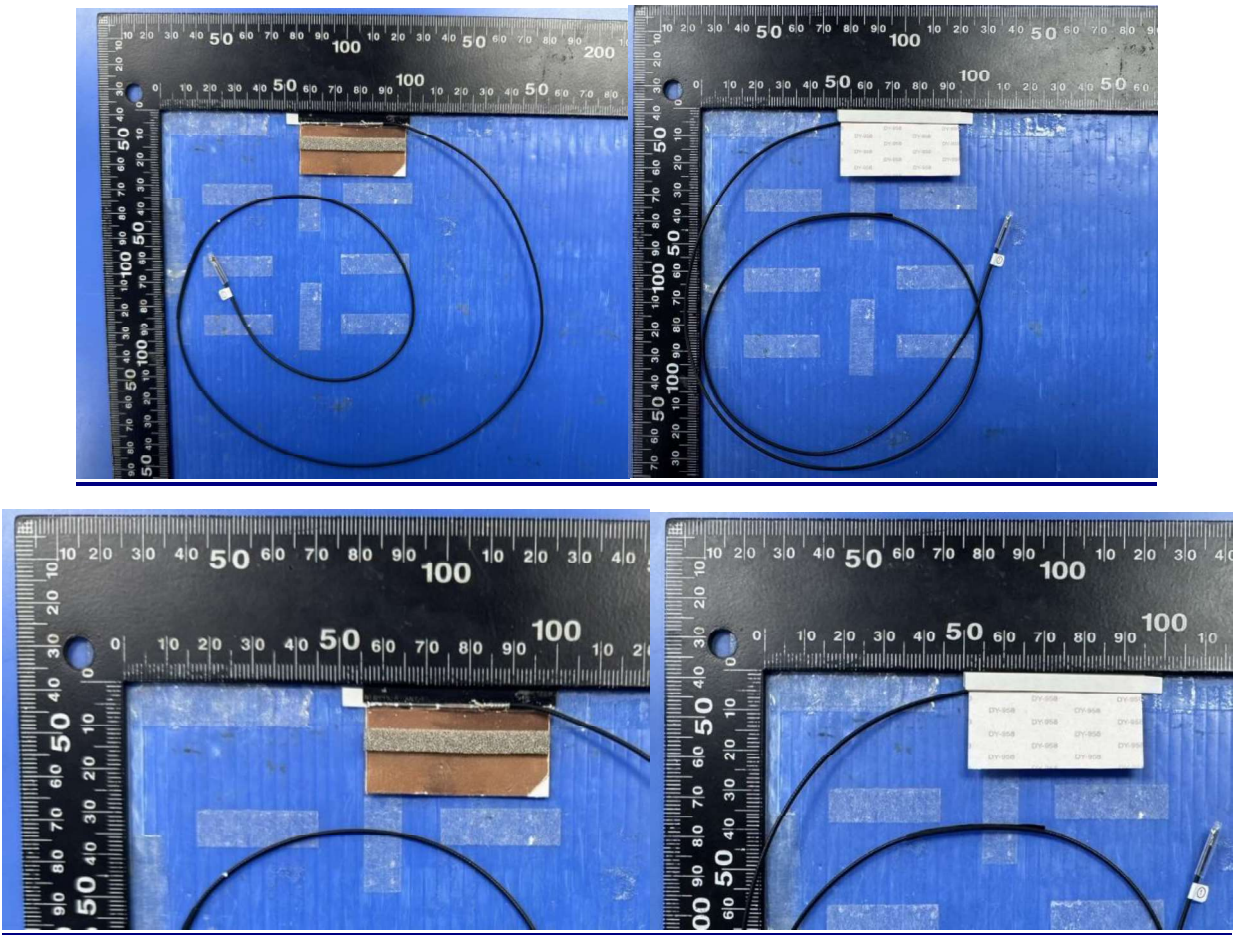
Note: antenna photo should include L type ruler

Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:



Aux Antenna Photo (Front/Back):

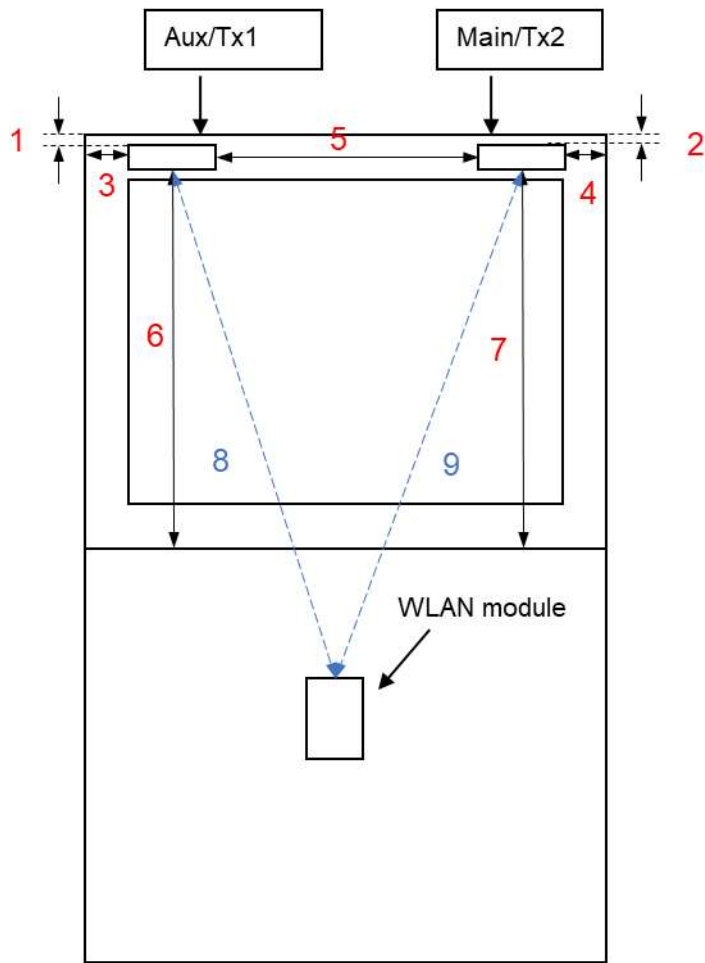


Note: antenna photo should include L type ruler

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).

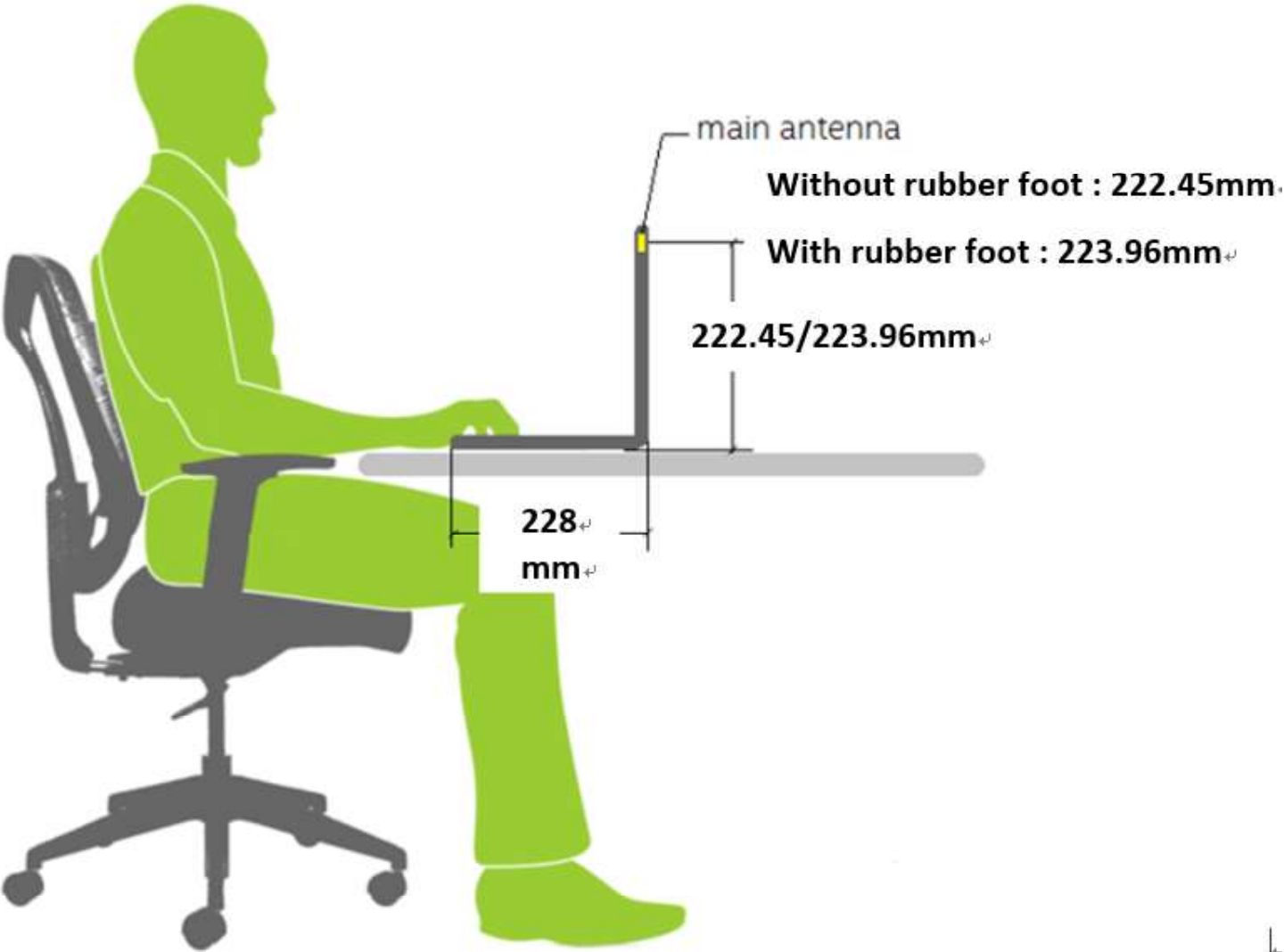
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.

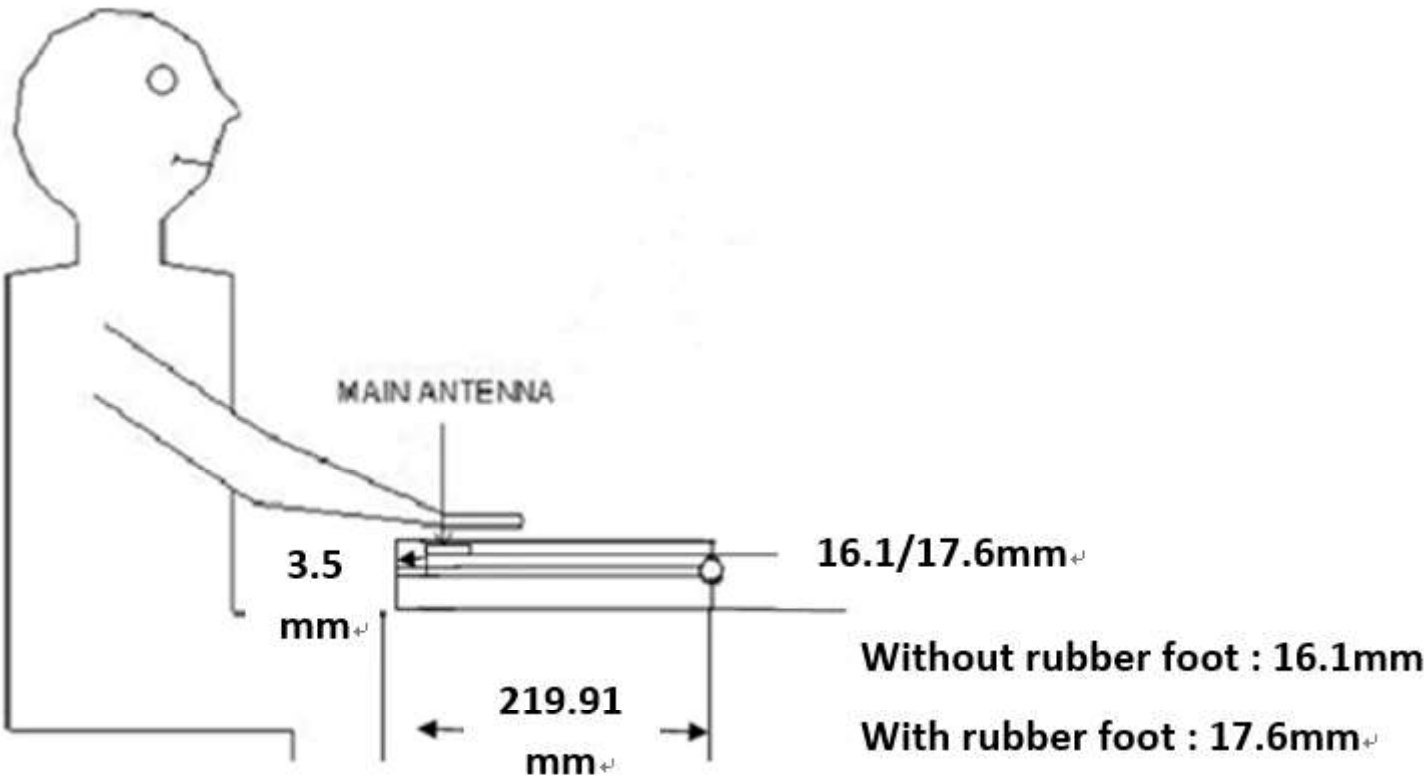


Dimension:	1	2	3	4	5	6	7	8	9
(mm)	3.5	3.5	28.9	28.9	165	212.9	212.9	284.39	290.91

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.

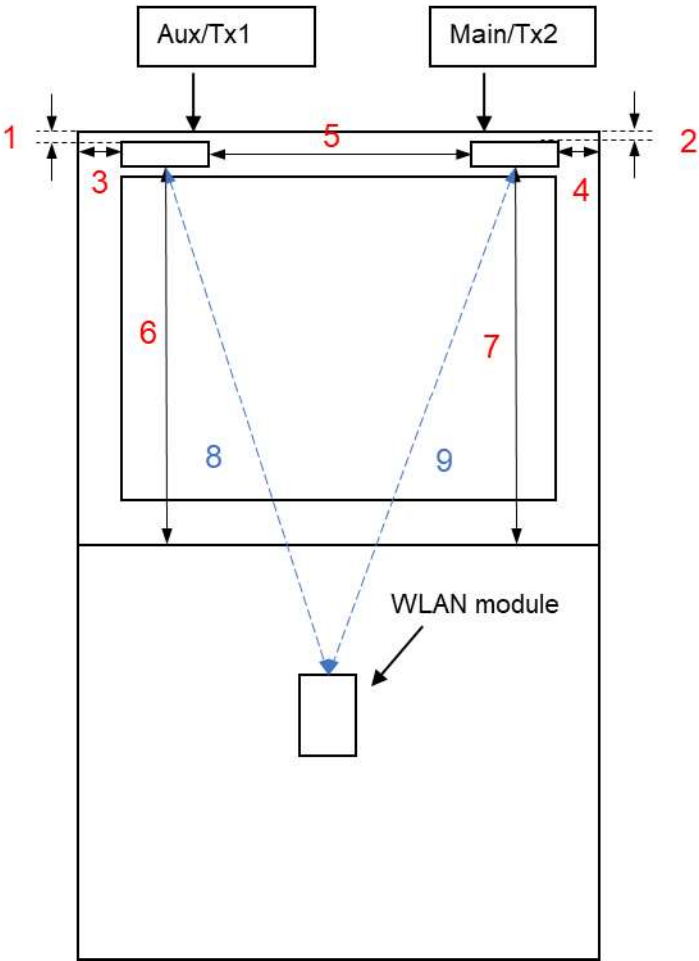




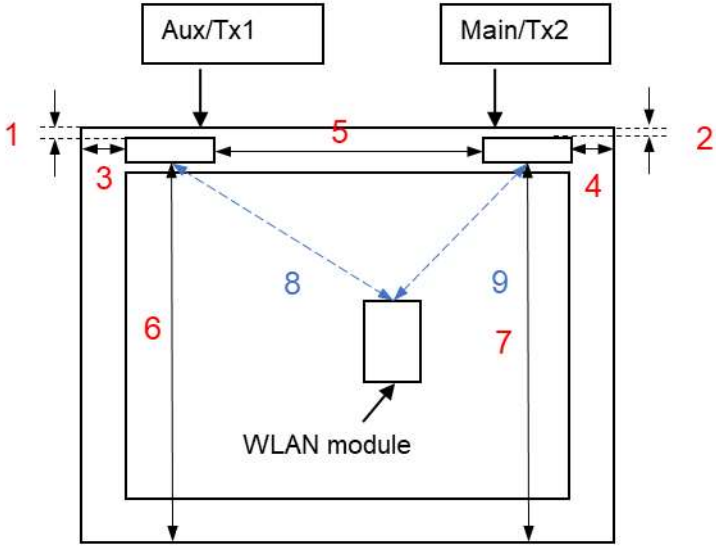
Section 6. Diagram Example of Co-Location Antenna Separation

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)



NB Dimension: (mm)	WLAN ,module to Tx2	269.477
	WLAN ,module to Tx1	288.325



NB Dimension: (mm)	WLAN ,module to Tx2	154.482
	WLAN ,module to Tx1	158.274