

Regulatory WLAN Antenna Information

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.		Compal		TPN-C176		Yes		Regular NB		5.75
*****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)	
INPAQ			PIFA			DC33002XB00 (WA-P-LE-02-227)			DC33002XB10 (WA-P-LE-02-228)	
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	1.47	1.45	2.33	2.90	2.85	0.81	0.69	0.66	0.78	0.43
Aux	0.59	0.01	1.41	2.67	2.67	2.81	2.98	0.69	0.67	0.38
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								
BE200NGW		Intel Gale Peak 2 BE200 M.2 2230 Wi-Fi 7 +Bluetooth 5.4 non-vPro WW WLAN								

Address of the antenna manufacturer:

No. 11, Keyi St., 11th Neighborhood, Gongyi Vil., Zhunan Township, Miaoli County 350402, Taiwan (R.O.C.)

Table of contents

1. Setup photo

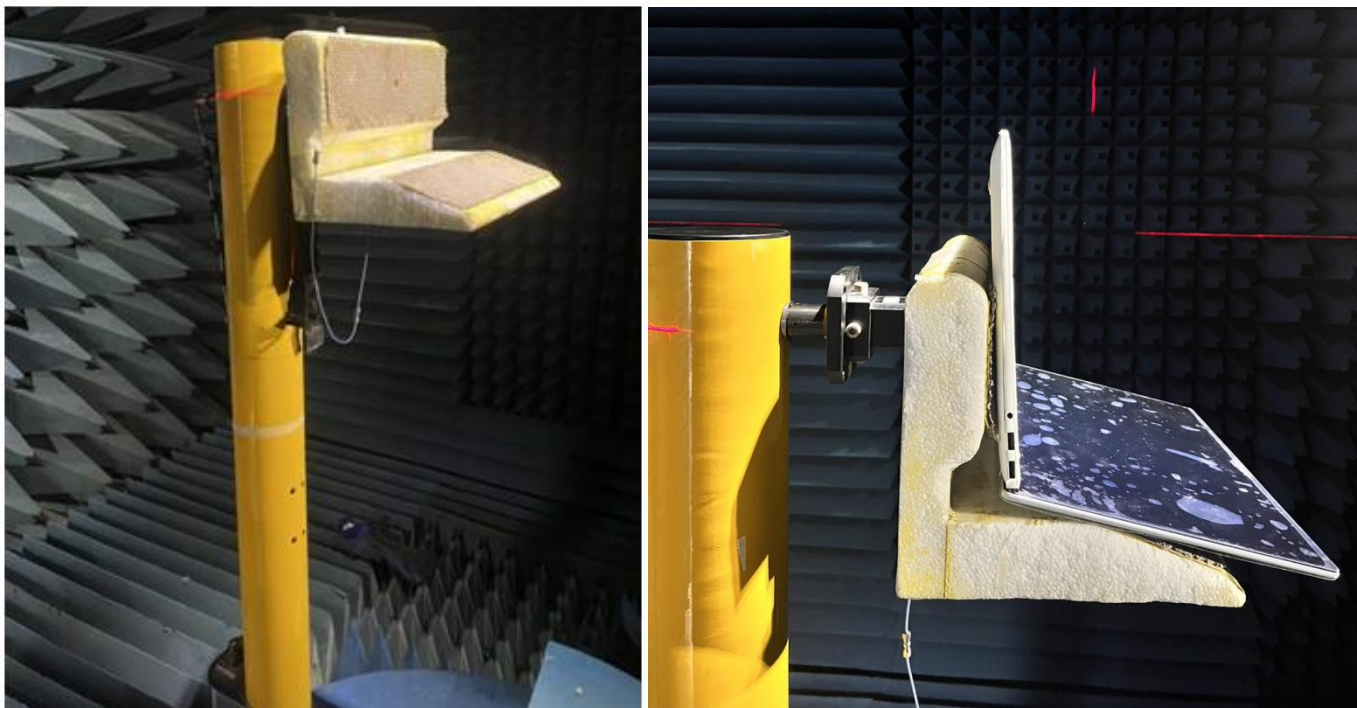
[Section 1. Dimensioned Photos or Drawings of Antennas](#)

[Section 2. Antenna Host Platform Location Information](#)

[Section 3. Antenna dimensional information for SAR evaluation](#)

[Section 4. Diagram Example of Co-Location Antenna Separation](#)

1. Setup photo



Main Antenna Drawing:



*#292±2 /ø1.37/LLS/black

*50±2

*102±2

10±1

*31±1.5

MIN=3

中剝銲接

(1)

(4)

*44.95±0.1

7

1

7 Aux

(20)

11

①

1.37±0.05

*MAX=1.9

8

3

8±1

9

(15)

5±0.5

*20±1

44.5±0.5

49.75±0.5

7

全力位導電池棉 T=1

10

導電布纏完線材後貼在銅箔上

*所有銲錫皆不可超出PCB

Note: antenna photo should include L type ruler

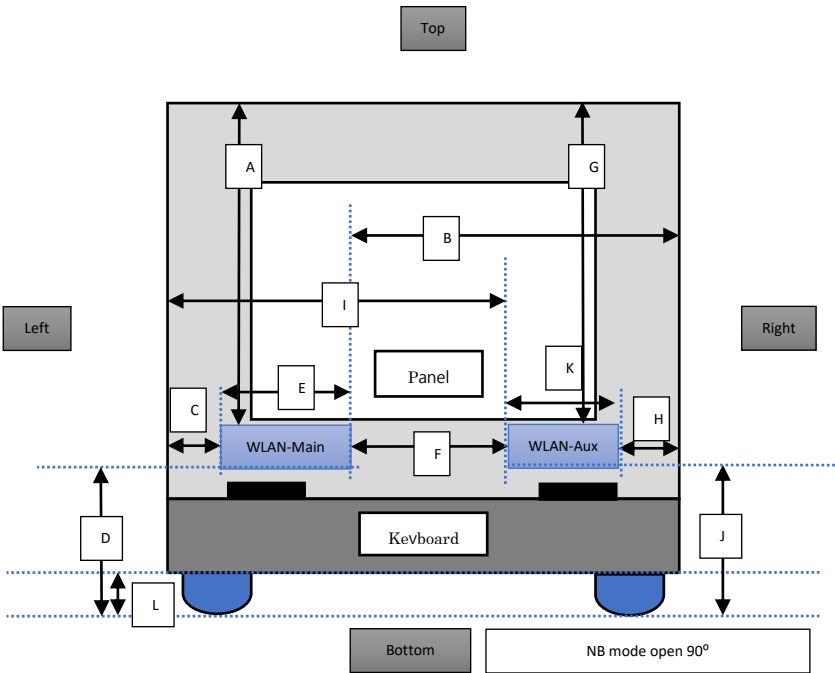
Section 2. Antenna Host Platform Location Information

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.

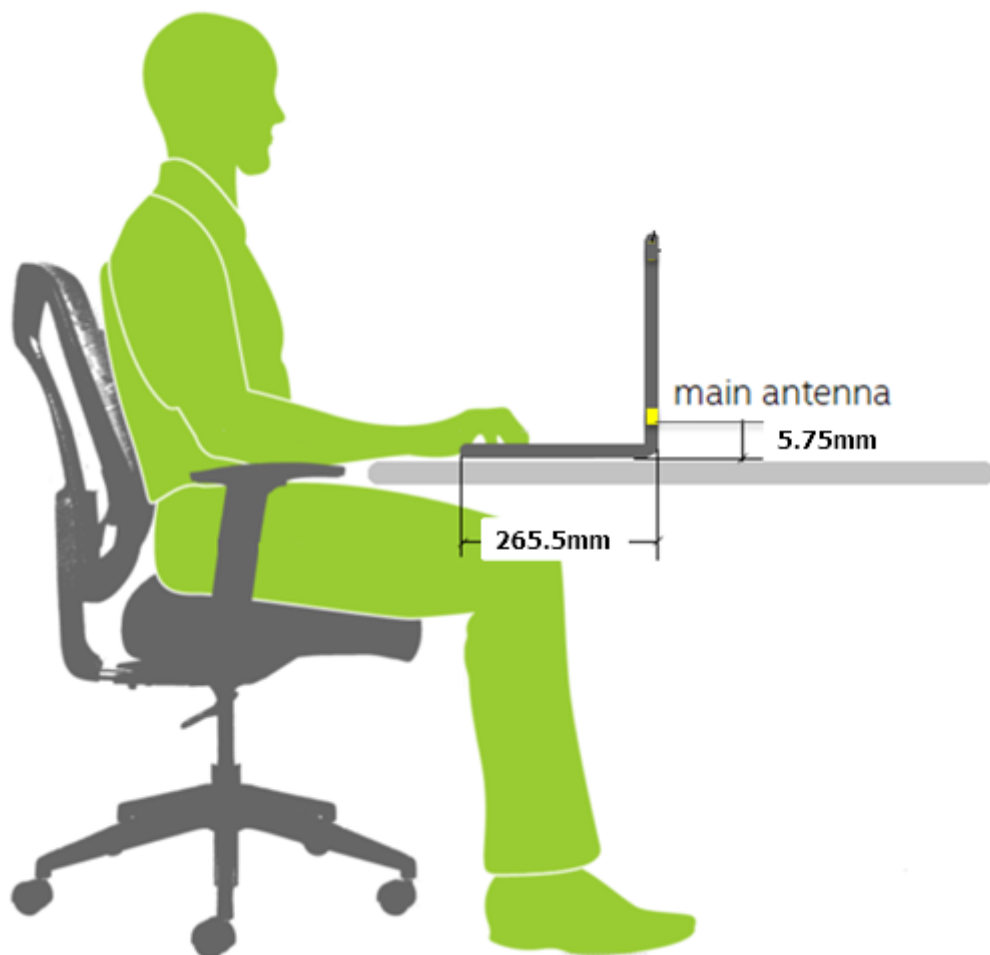
Minimum Separation Distance

Item	Antenna	Position	Distance (mm)
A	WLAN-Main	to Top	247
B	WLAN-Main	to Right	98
C	WLAN-Main	to Left	252
D	WLAN-Main	to Bottom	5.75
E	WLAN-Main	Main Antenna Length	45
F	Main-Aux	Main to Aux	14.5
G	WLAN-Aux	to Top	247
H	WLAN-Aux	to Right	158
I	WLAN-Aux	to Left	191
J	WLAN-Aux	to Bottom	5.75
K	WLAN-Aux	Aux Antenna Length	45
L	NB	Bumper thickness	1.5



Section 3. 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 4. 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)

Minimum Separation Distance			
Item	Antenna	Position	Distance (mm)
A	WLAN-Main	to Top	247
B	WLAN-Main	to Right	98
C	WLAN-Main	to Left	252
D	WLAN-Main	to Bottom	5.75
E	WLAN-Main	Main Antenna Length	45
F	Main-Aux	Main to Aux	14.5
G	WLAN-Aux	to Top	247
H	WLAN-Aux	to Right	158
I	WLAN-Aux	to Left	191
J	WLAN-Aux	to Bottom	5.75
K	WLAN-Aux	Aux Antenna Length	45
L	NB	Bumper thickness	1.5

