

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		****End product model name		Intel platform (ex: Yes, No or NA)		Platform type (ex: regular NB, convertible PC, AIO...etc)		*SAR minimum separation (mm)
Dell		Wistron		P178G(Oasis 13 MLK LW)		YES		regular NB		4.14mm
*****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)		Antenna Part number (Aux)		
Wistron			PIFA			0Y29KG		0Y29KG		
Antenna manufacturer address										
21F.,No.88,Sec.1,Hsintai 5th Rd.,Hsichih, New Taipei City 22181,Taiwan(R.O.C)										
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	2.65	3.14	3.38	4.16	2.13	1.51	3.68	3.30	3.46	3.45
Aux	0.47	2.52	2.70	2.58	1.70	2.16	4.22	2.20	2.11	1.66

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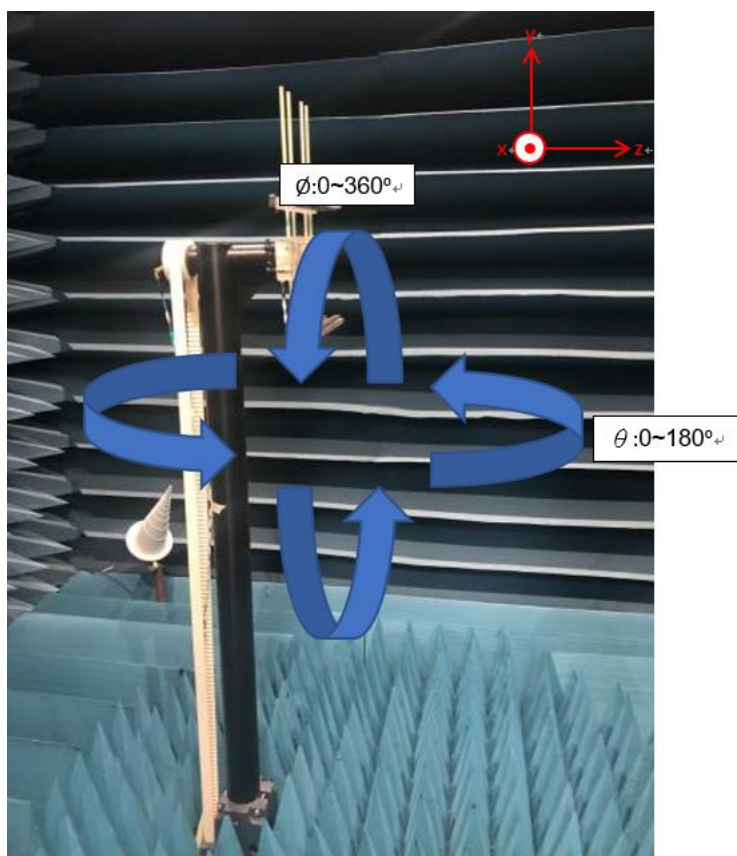
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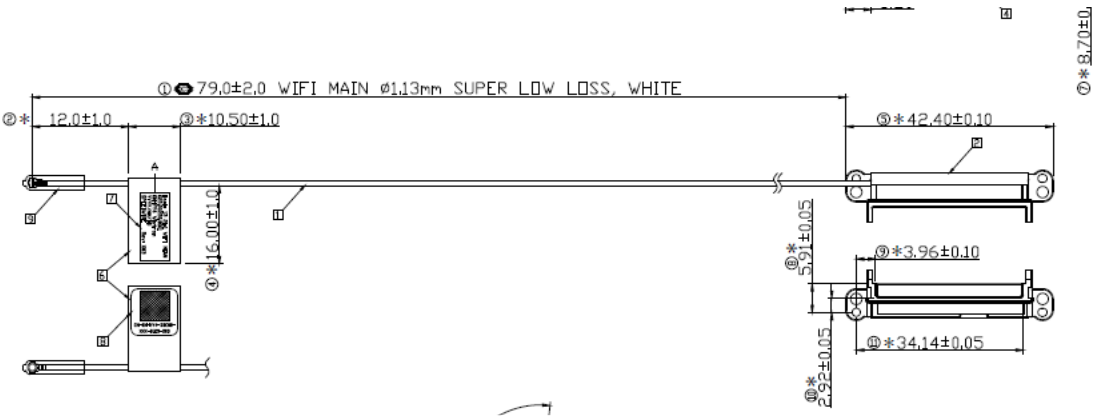
Annex A. Photographs

A.1 Setup Photo

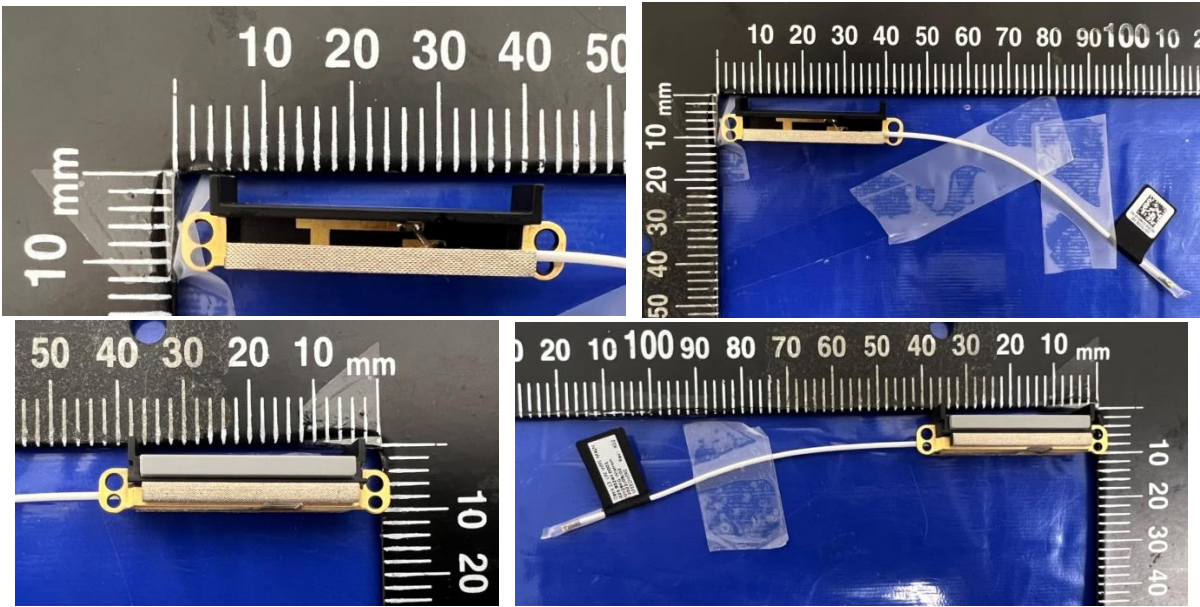


A.2 Test sample

Main Antenna Drawing:



Main Antenna Photo (Front/Back):



Note: antenna photo should include L type ruler

Technical drawing of the antenna assembly showing dimensions and callouts:

- ⑩ 245.0±2.0 WIFI AUX Ø1.3mm SUPER LOW LOSS, BLACK
- ⑪ *107.0±2.0
- ⑫ *10.50±1.0
- ⑬ *10.0±1.0
- ⑭ *42.40±0.10
- ⑮ *92.0±1.0
- ⑯ *9.00±1.0
- ⑰ *16.00±1.0
- ⑱ *10.50±1.0
- ⑲ *3.96±0.10
- LINE MARK (COLOR : WHITE)

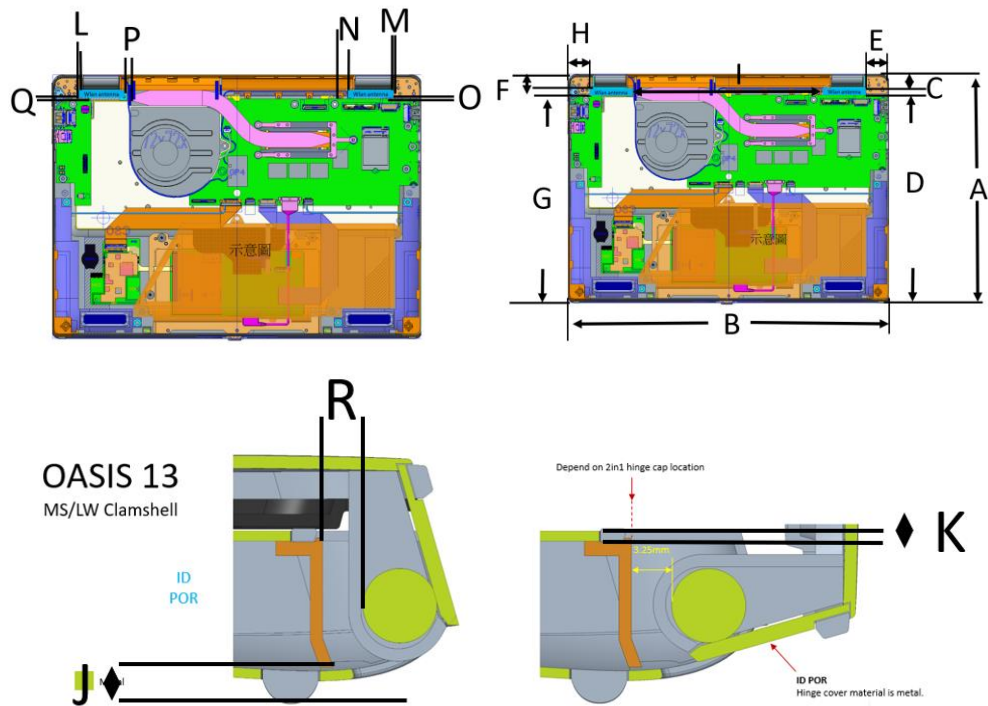
Note: antenna photo should include L type ruler

Annex B. Antenna Location

B.1 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

B.2 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.

