

ANTENNA INFORMATION

OEM	DELL
ODM	Wistron
Platform model name	P133F
Intel platform (ex: Yes, No or NA)	YES
Platform type (ex: regular NB, convertible PC, AIO...etc)	Convertible PC
SAR minimum separation (mm)	NB:3.05 TB:1.9

Antenna manufacturer	WNC		
Address	20 Park Avenue II (or Yuanchiu 2nd Rd.), Hsinchu Science Park, Hsinchu 300, Taiwan		
Antenna Part number	Main: 81EAB315.G11 025.902C0.0001	Aux: 81EAB315.G11 025.902C0.0001	
Antenna type (ex: PIFA, Dipole...etc)	PIFA		

Antenna Peak gain w/ cable loss (dBi)* - NB Mode										
	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	0.43	1.35	1.52	3.08	3.08	3.73	0.82	0.82	1.39	1.62
Aux	0.41	1.08	0.70	1.15	0.36	0.36	-0.47	-1.36	0.32	-0.81
Antenna Peak gain w/ cable loss (dBi)* - Tablet Mode										
	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	1.26	-1.53	-1.74	-1.21	-1.21	-1.92	0.41	0.26	1.28	1.54
Aux	0.48	-1.59	-1.67	-0.39	-0.39	-1.18	-1.43	-1.93	-0.35	-0.86

Cable Assembly Part Number and Information					
	Cable PN	Cable length(cm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-143	248	1.13	50 ohm	IPEX(20565-001R-13)
Aux	SY113L/50-118	223	1.13	50 ohm	IPEX(20565-001R-13)

* 3D Antenna Peak Gain required being test in system basis.

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Annex A. Photographs

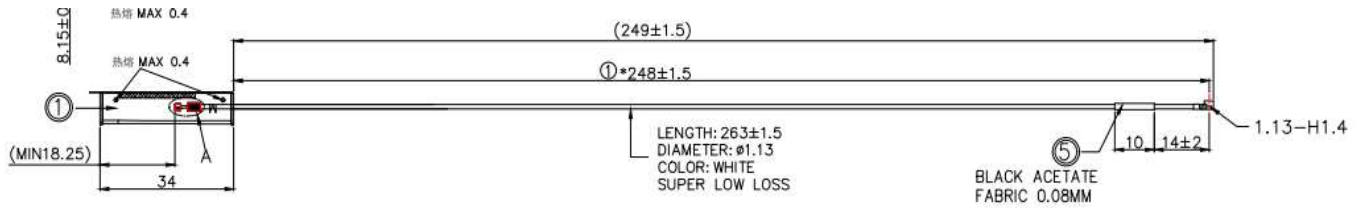
A.1 Setup Photo



A.2 Test sample

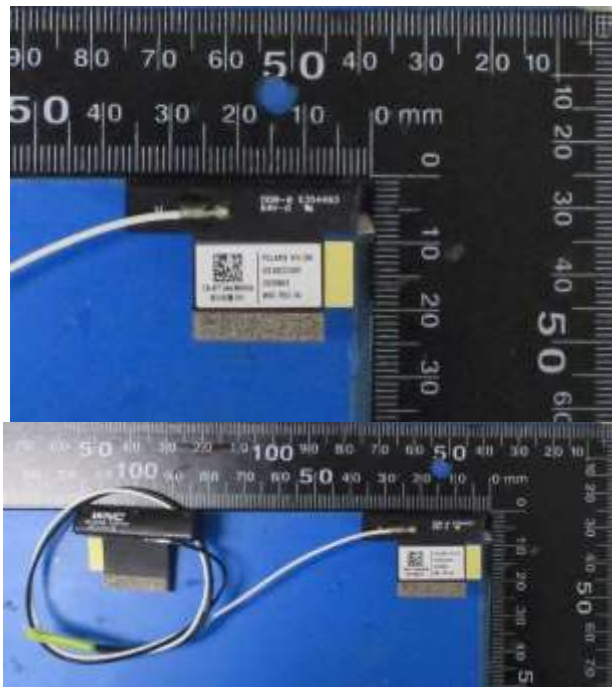
Main Antenna

Antenna Drawing

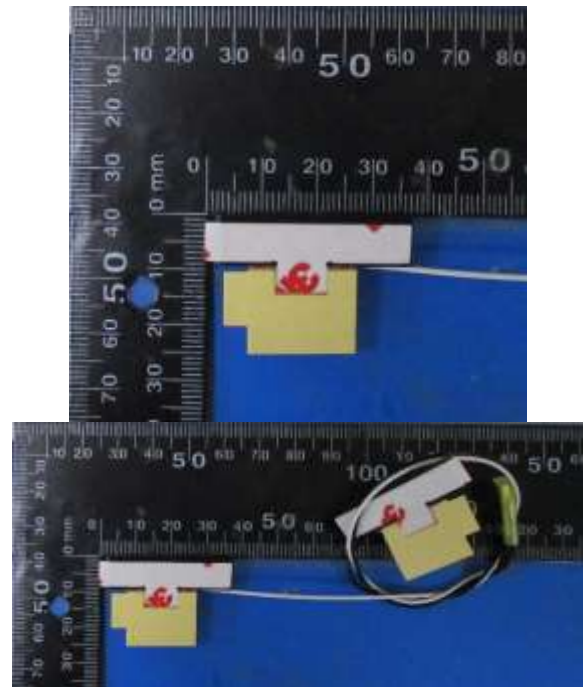


Antenna Photo

Front



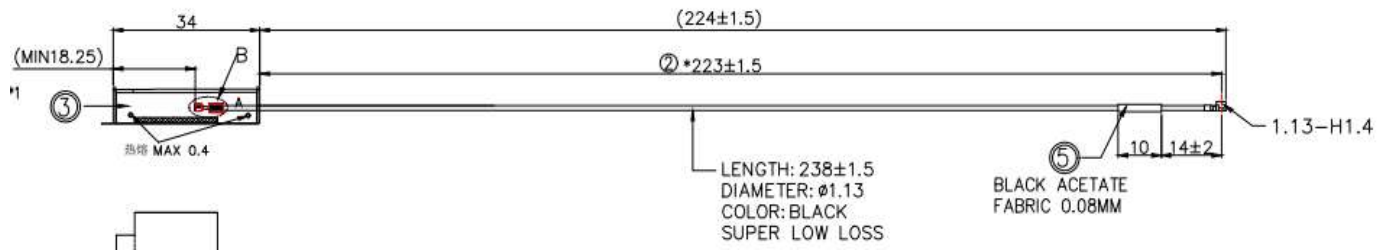
Back



Note: antenna photo should include L type ruler

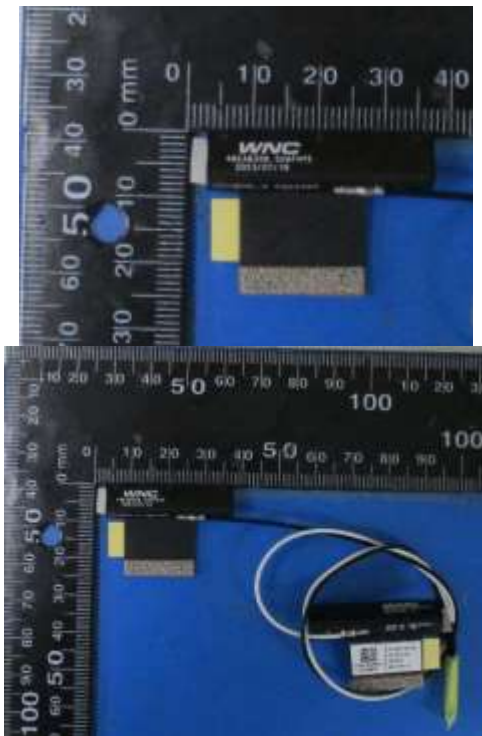
Aux Antenna

Antenna Drawing

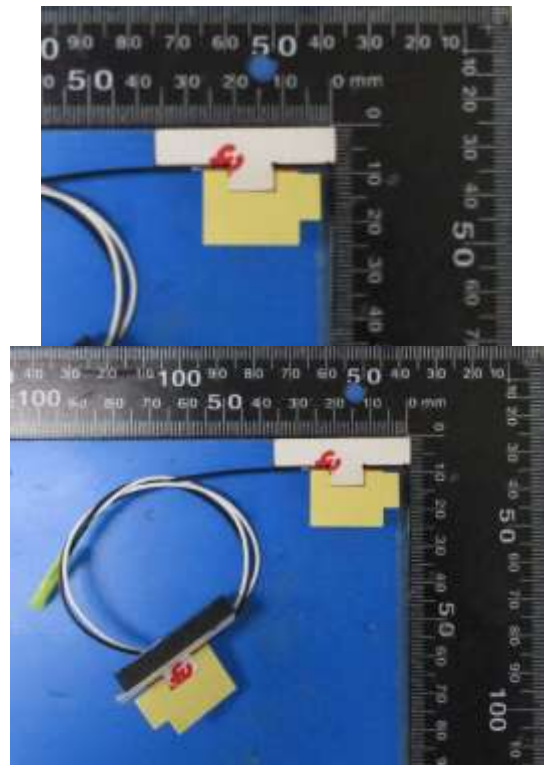


Antenna Photo

Front



Back



Note: antenna photo should include L type ruler

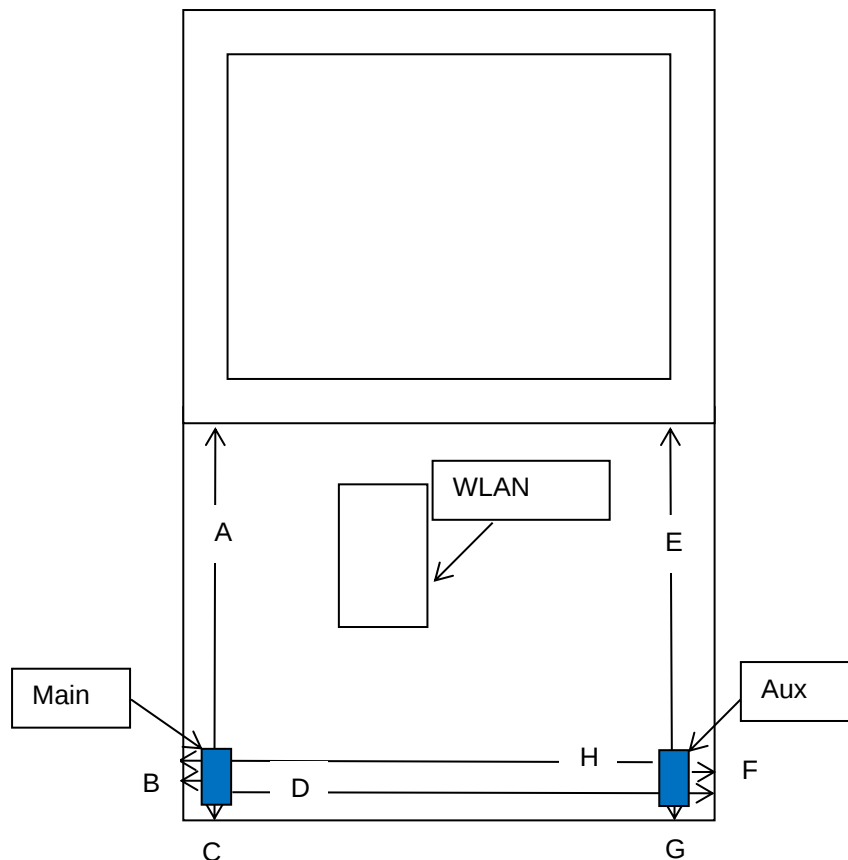
Annex B. Antenna Location

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).

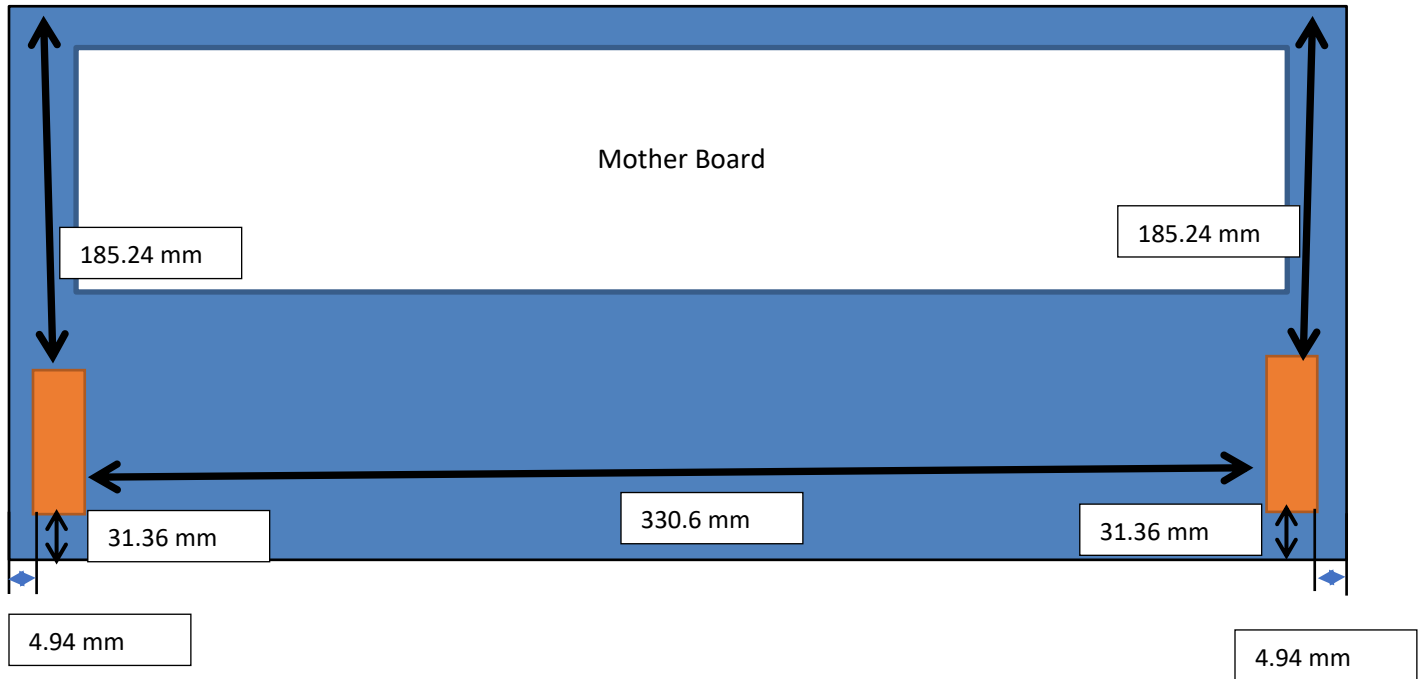
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.

NB mode



Distance (mm)	A	B	C	D	E	F	G	H
	185.24	4.94	31.36	343.69	185.24	4.94	31.36	343.69

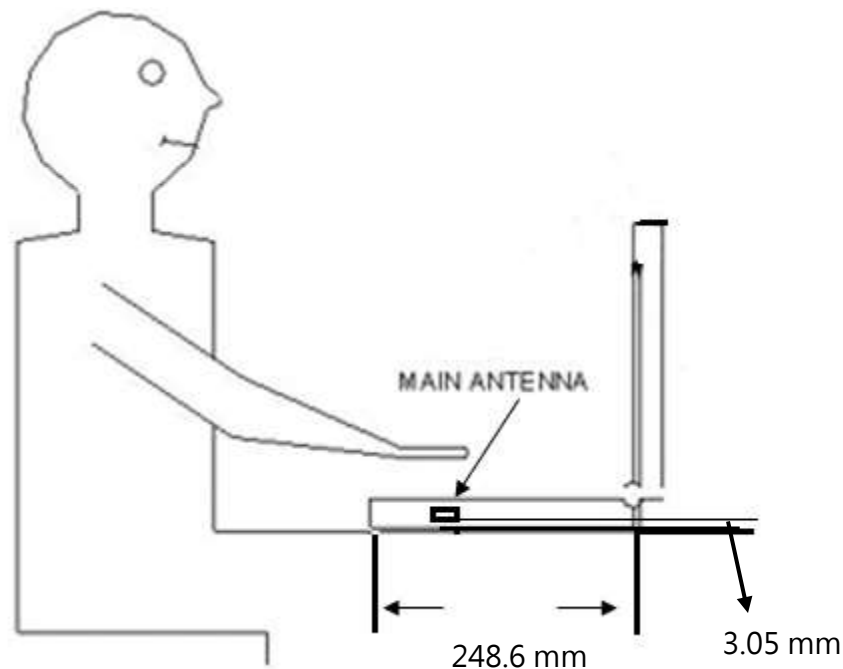
Tablet mode



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.

NB mode



Tablet mode:

