

ANTENNA INFORMATION

OEM	Dell Inc.
ODM	Wistron
Platform model name	P186G
Intel platform (ex: Yes, No or NA)	Yes
Platform type (ex: regular NB, convertible PC, AIO...etc)	Convertible PC
SAR minimum separation (mm)	NB:3.393 TB:1.8

Antenna manufacturer	Hong Bo Co., Ltd.
Address	4F., No.143, Sinhu 1st Rd., Neihu Dist., Taipei City, 11494 Taiwan
Antenna Part number	Main Antenna P/N: 260-29169 Aux Antenna P/N: 260-29168
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	0.25	3.23	3.23	4.16	2.71	2.9	3.99	4.13	4.93	1.86
Aux	0.72	2.58	2.58	1.96	1.56	1.39	3.74	3.21	4.63	3.56
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	-1.18	-1.11	1.21	1.03	1.65	1.62	-0.1	-0.87	-0.84	-1.72
Aux	-0.59	-0.14	0.72	2.38	2.75	2.29	1.68	1.14	2.35	2.07

Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-143	231	1.13 SLLS	50	IPEX(20565-001R-13) 康碩(MHF-B13L-N-01)
Aux	SY113L/50-118	193.5	1.13 SLLS	50	IPEX(20565-001R-13) 康碩(MHF-B13L-N-01)

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

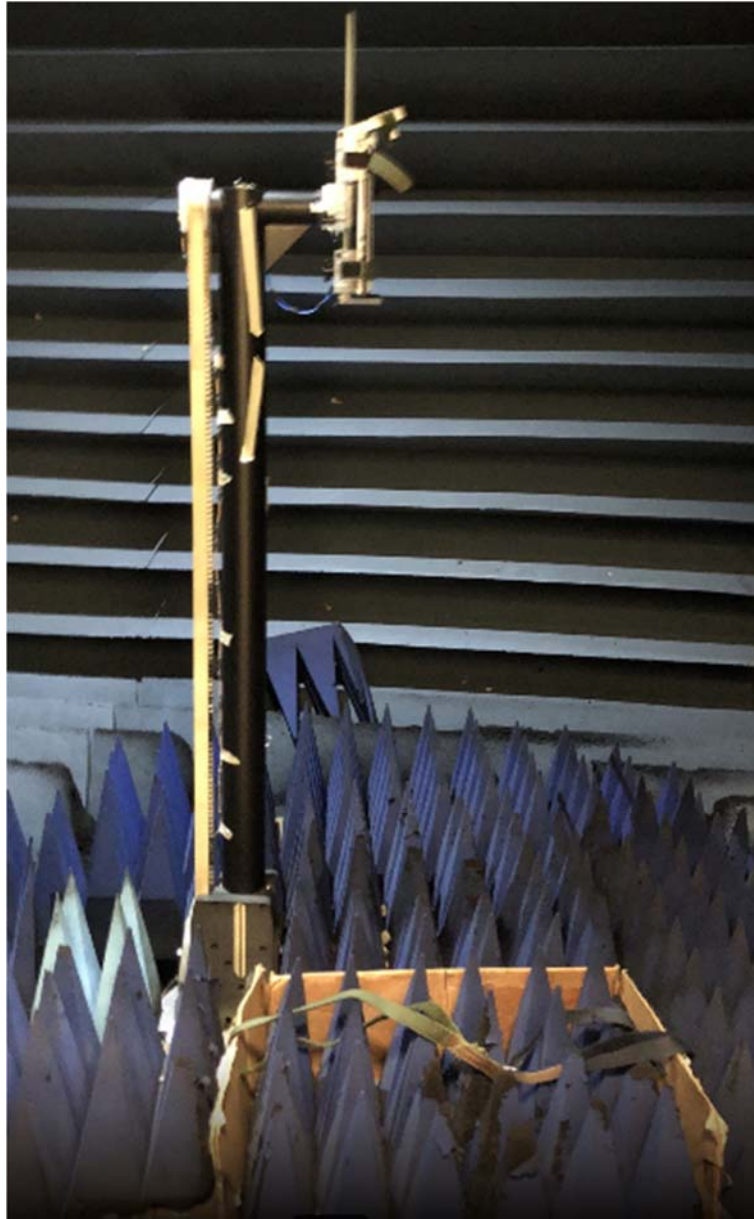
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Annex A. Photographs

A.1 Setup Photo

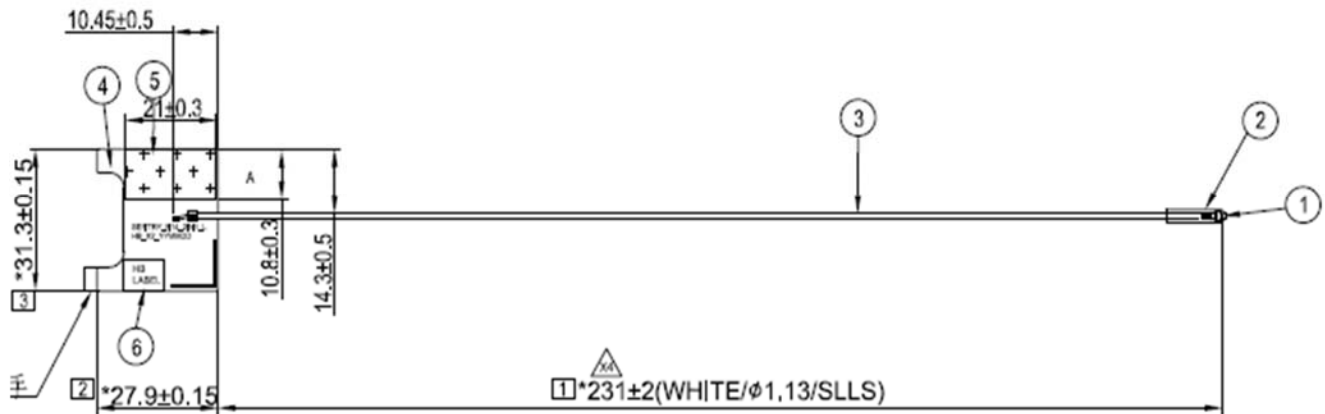
<insert test diagram here for test site utilized>



A.2 Test sample

Main Antenna

Antenna Drawing

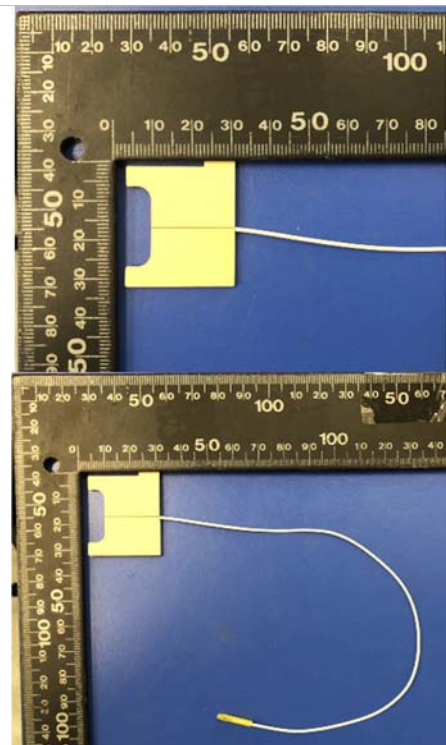


Antenna Photo

Front



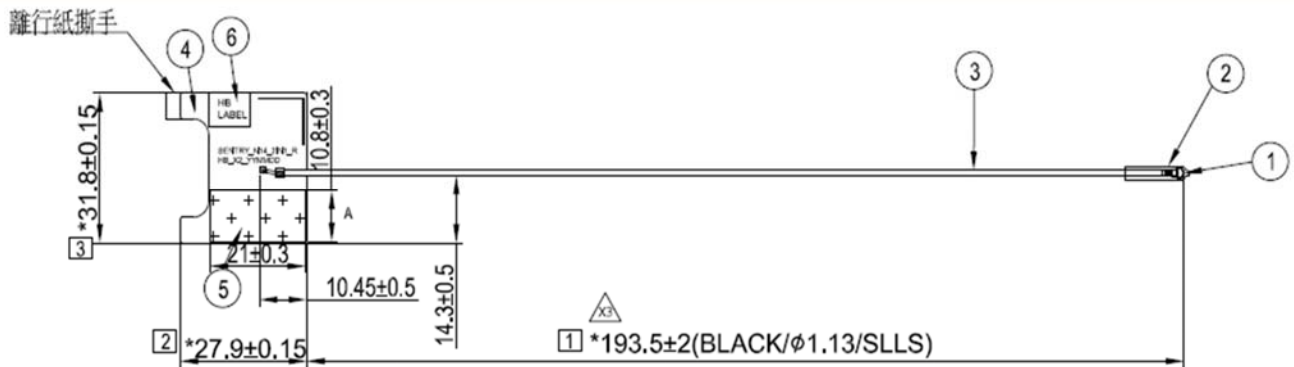
Back



Note: antenna photo should include L type ruler

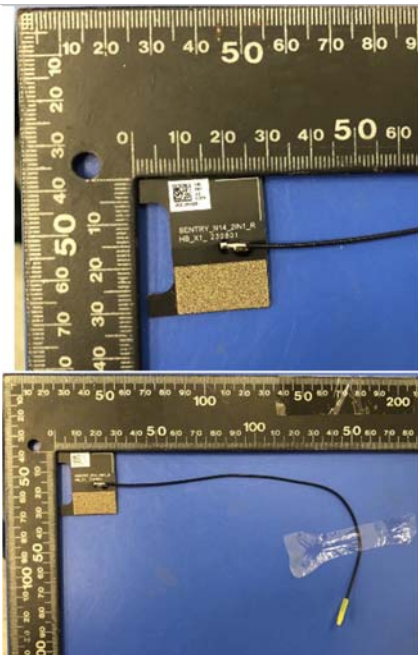
Aux Antenna

Antenna Drawing



Antenna Photo

Front



Back



Note: antenna photo should include L type ruler

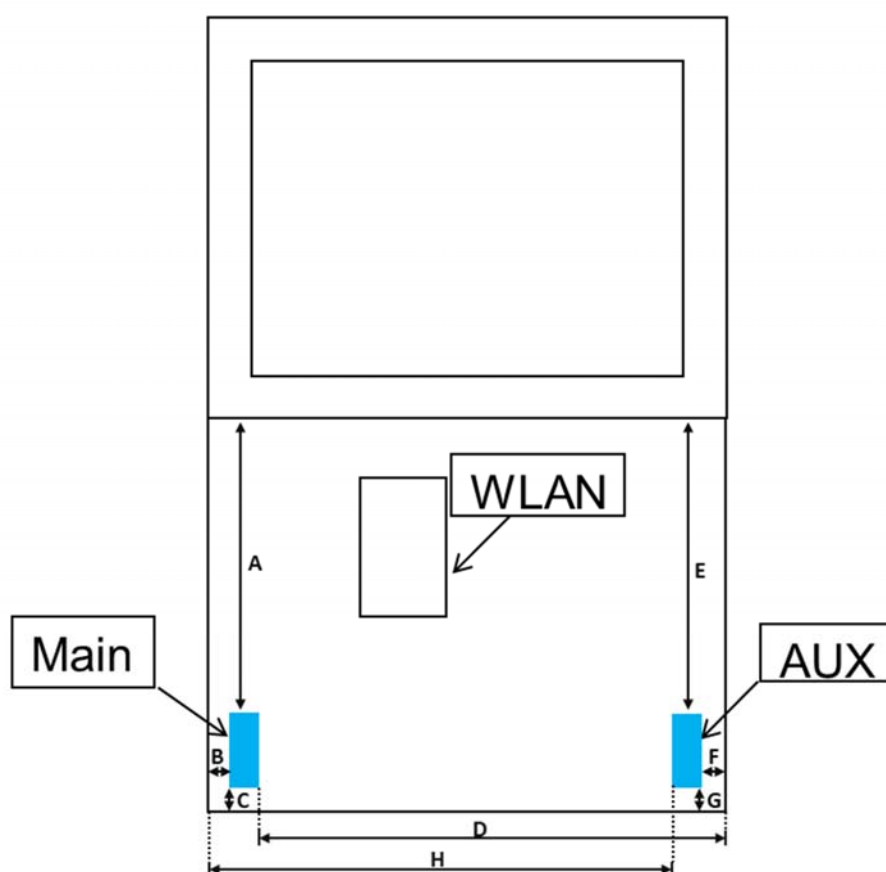
Annex B. Antenna Location

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).

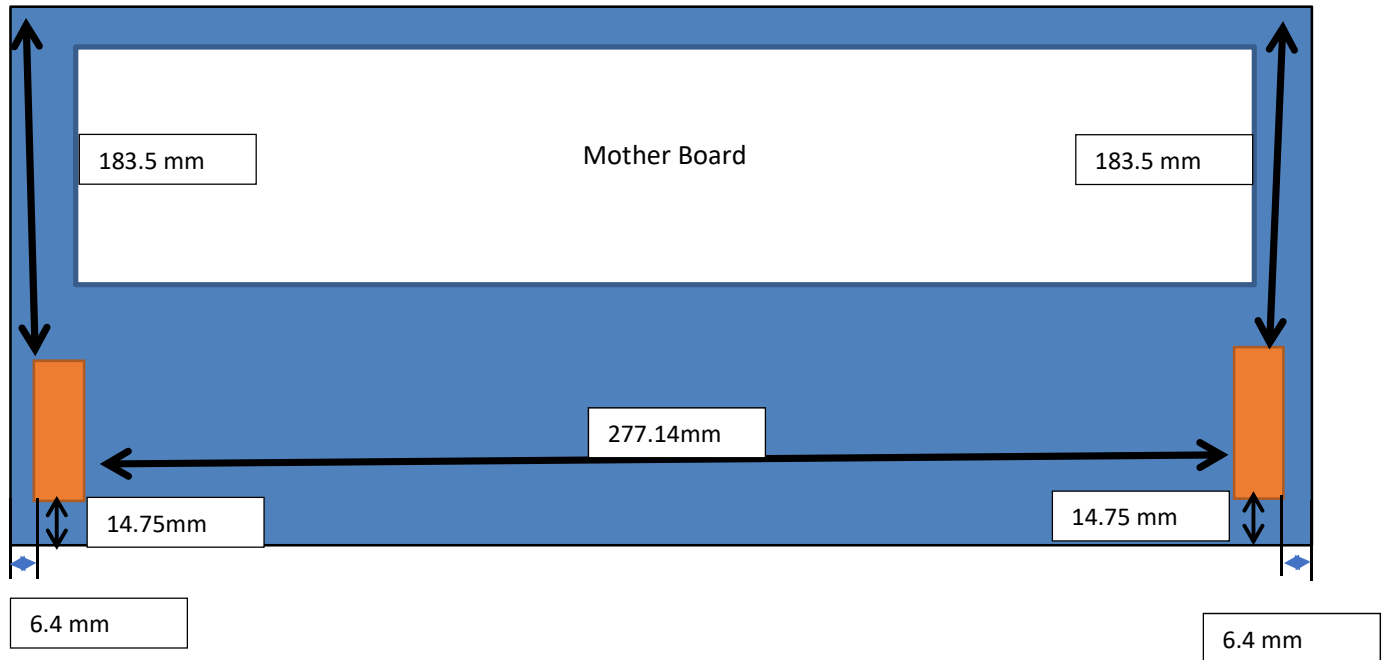
Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.

Notebook Mode



Distance	A	B	C	D	E	F	G	H
(mm)	183.5	6.4	14.75	294.1	183.5	6.4	14.75	294.1

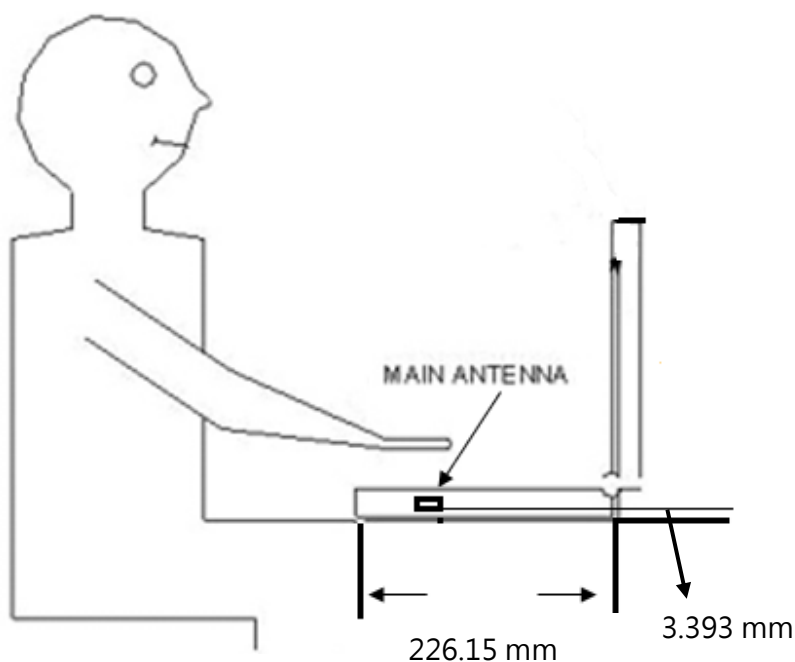
Tablet Mode



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.

Notebook Mode



Tablet Mode

