

ANTENNA INFORMATION

OEM	Dell Inc.
ODM	Wistron
Platform model name	P194G
Intel platform (ex: Yes, No or NA)	YES
Platform type (ex: regular NB, convertible PC, AIO...etc)	Regular NB
SAR minimum separation (mm)	FCC (1g) 4.42mm
	ISED (1g) N/A
	ISED (10g) N/A

Antenna manufacturer	Company name	Speed
	Address	25F, No.95, Xipu 6th St., Taoyuan Dist., Taoyuan City 33044, Taiwan.
Test location	Company name	SPORTON INTERNATIONAL INC.
	Address	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411 , Taiwan (R.O.C.)
Test Personnel	Name(Full name)	Kay Li
	E-mail	Kay_li@speed-hz.com
	Tel/Mobile	(03)325-3360 #243
Testing date		2024/09/04

Antenna Part number	Main	F-0G-FS-6184-001-00 (025.902GQ.0001)
	Aux	F-0G-FS-6184-002-00 (025.902GR.0001)
Antenna type (ex: PIFA, Dipole...etc)		PIFA

Antenna 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	1.45	2.98	2.81	4.18	4.18	4.06	3.63	3.82	4.48	4.08
Aux	0.84	2.39	1.75	4.22	4.13	1.69	4.55	4.29	4.44	4.04

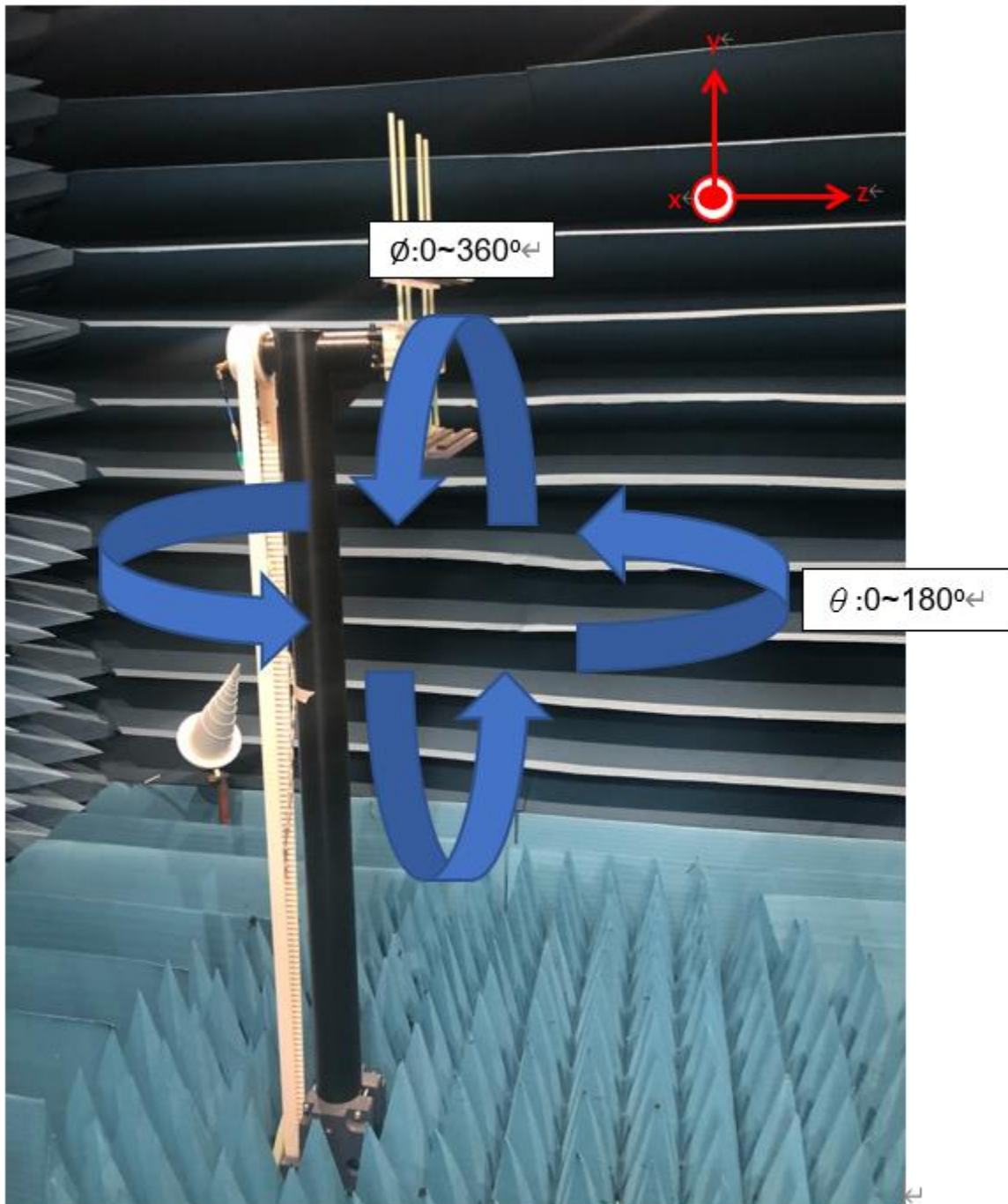
Cable Assembly Part Number and Information					
	Cable PN	Cable length(mm)	Cable diameter(mm)	Impedance(ohm)	Connector type
Main	SY113L/50-143(White)	188	1.13 S.L.L	50	I-PEX(MHF-4L)
Aux	SY113L/50-118(Black)	185	1.13 S.L.L	50	I-PEX(MHF-4L)

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

Annex A. Photographs

A.1 Setup Photo

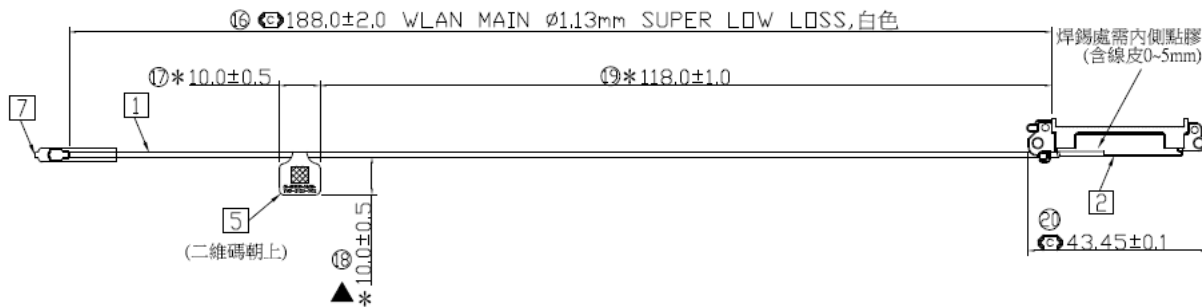
<insert test diagram here for test site utilized>



A.2 Test sample

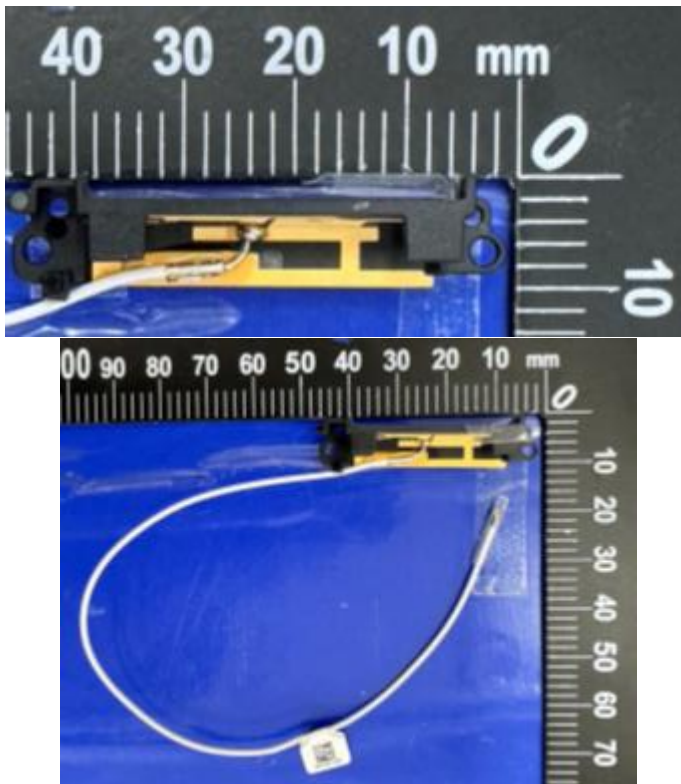
Main Antenna

Antenna Drawing

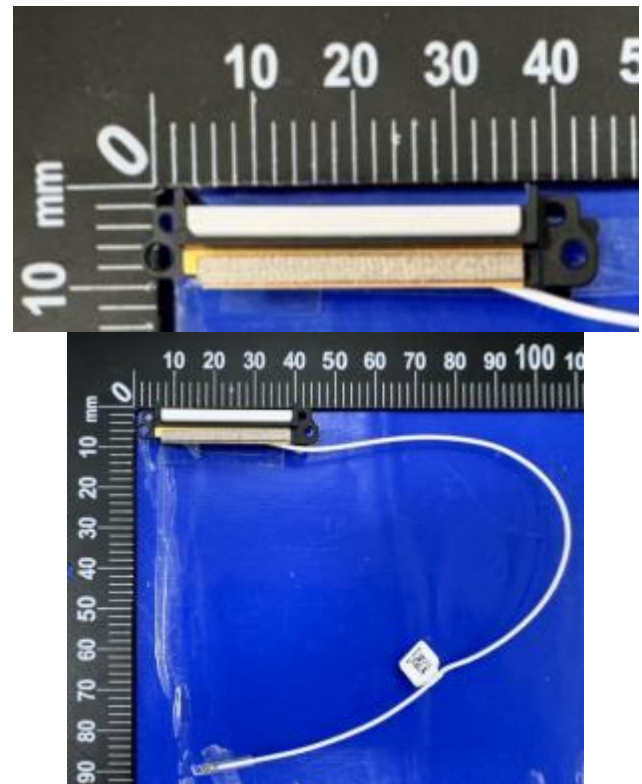


Antenna Photo

Front



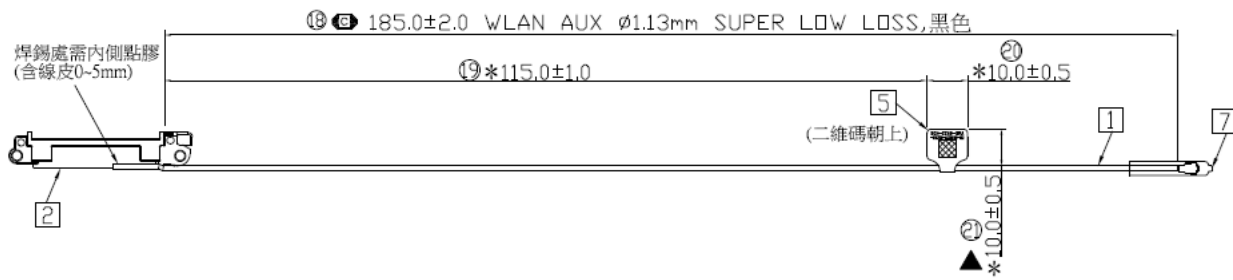
Back



Note: antenna photo should include L type ruler

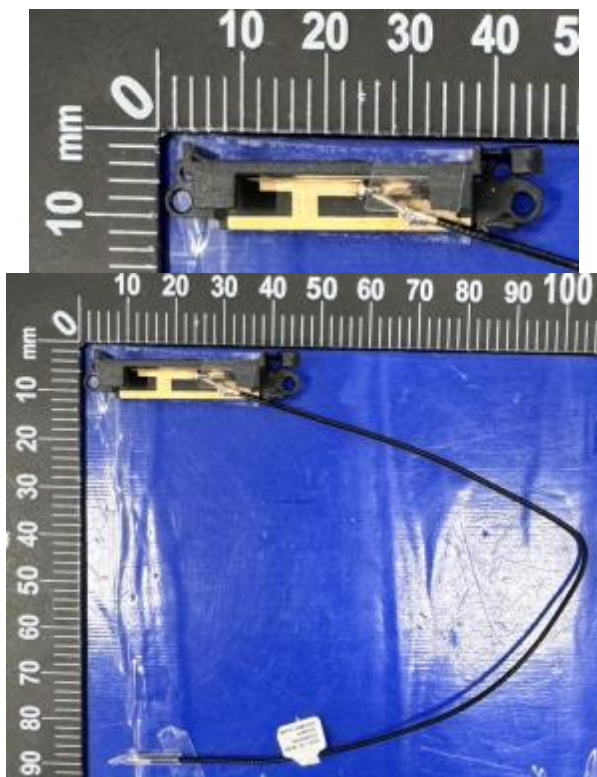
Aux Antenna

Antenna Drawing

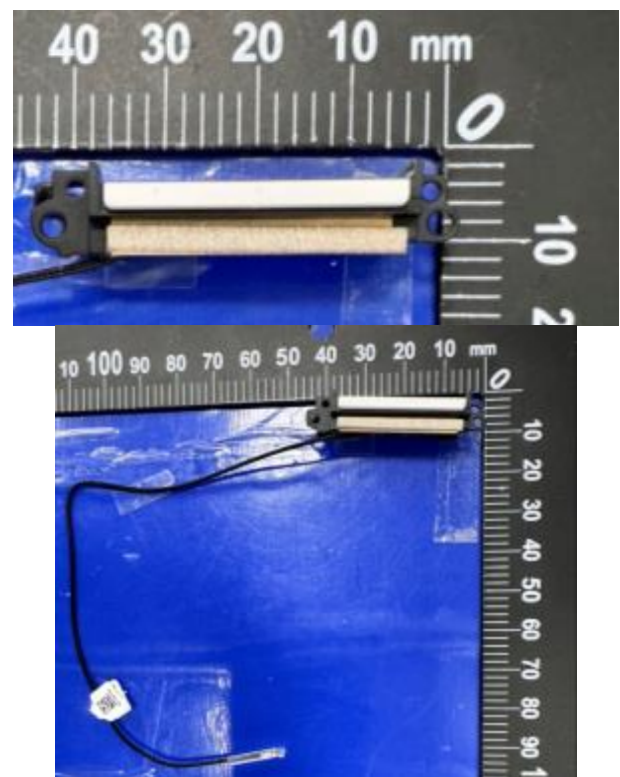


Antenna Photo

Front



Back



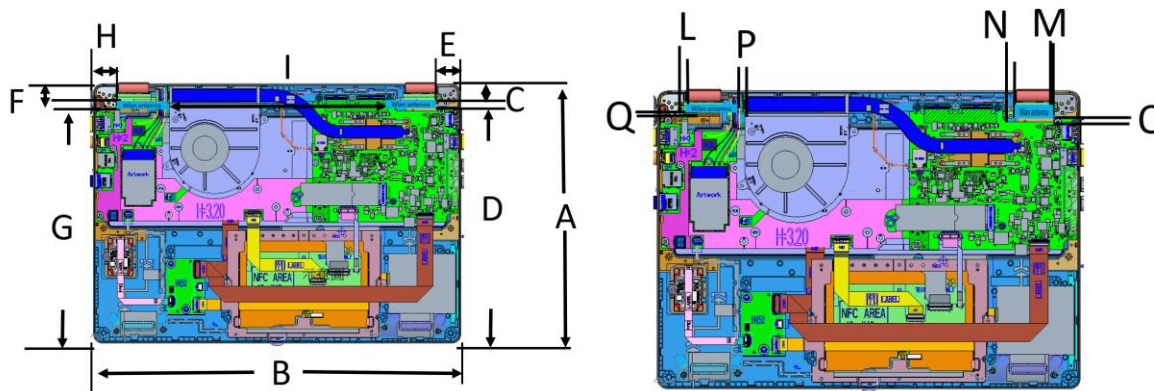
Note: antenna photo should include L type ruler

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.



Item	Location	distance
A	SYSTEM Y	215
B	SYSTEM X	300
C	WLAN-Main to edge	10.3
D	WLAN-Main to edge	197.98
E	WLAN-Main to edge	23.6
F	WLAN-Aux to edge	10.3
G	WLAN-Aux to edge	197.98
H	WLAN-Aux to edge	23.6
I	WLAN-Aux to WLAN-Main	188
J	WLAN to table	4.42
K	WLAN to C cover	1.6
L	WLAN to metal	1.7
M	WLAN to metal	1.7
N	WLAN to metal (eDP cable)	5
O	WLAN to metal (Antenna Wall)	0.55
P	WLAN to metal (ANT cable)	5
Q	WLAN to metal (Antenna Wall)	0.55
R	WLAN to metal (Hinge)	2.5

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.

Antennas on the panel section

