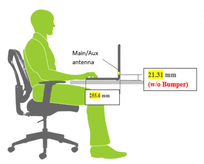
Mechanical Information

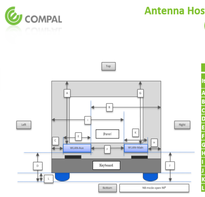
Antenna Location for SAR evaluation

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 laphield, 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- Antenna on the panel section



Notebook- Antenna on the keyboard section



Minimum Separation Distance			
Item	Antenna	Position	Distance [mm]
1	WLAN-Aux	to Top	225.1
2	WLAN-Aux	to Right	152.13
3	WLAN-Aux	to Left	178.13
4	WLAN-Aux	to Bottom	23.88
5	WLAN-Aux	Main Antenna Length	30
6	Main-Aux	Main to Aux	32
7	WLAN-Main	to Top	225.1
8	WLAN-Main	to Right	75.13
9	WLAN-Main	to Left	240.13
10	WLAN-Main	to Bottom	23.88
11	WLAN-Main	Aux Antenna Length	45
12	NB	Bumper thickness	2.57

Tablet mode

#VALUE!

#VALUE!

Cable Assembly

	PN	Length	Dimensions	Impedance	Connector Type
Main	DC330032Q00 (TZ3058D)	331 mm	1.13 LLS	50	IPEX 4L
Aux	DC330032Q10 (TZ3058E)	411 mm	1.13 LLS	50	IPEX 4L

SAR Separation Distance - Notebook

Measuring Surface	Antenna	Distance (mm)
Top Side	Main/Ant.2	225.10
	Aux/Ant.1	225.1
Right Edge	Main/Ant.2	75.13
	Aux/Ant.1	152.13
Left Edge	Main/Ant.2	240.13
	Aux/Ant.1	178.13
Bottom Side	Main/Ant.2	23.88
	Aux/Ant.1	23.88

SAR Separation Distance

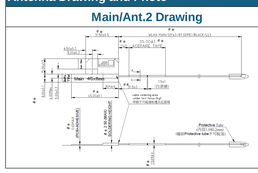
Measuring Surface	Antenna	Distance (mm)
Top Side of KB	Main/Ant.2	
	Aux/Ant.1	
Right Edge	Main/Ant.2	
	Aux/Ant.1	
Left Edge	Main/Ant.2	
	Aux/Ant.1	
Bottom Side	Main/Ant.2	
	Aux/Ant.1	
Front Edge	Main/Ant.2	
	Aux/Ant.1	

SAR Separation Distance - Tablet

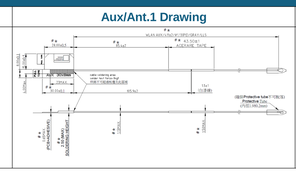
Measuring Surface	Antenna	Distance (mm)
Front Side	Main/Ant.2	
	Aux/Ant.1	
Rear Side	Main/Ant.2	
	Aux/Ant.1	
Top Side	Main/Ant.2	
	Aux/Ant.1	
Bottom Side (Hinge)	Main/Ant.2	
	Aux/Ant.1	

Antenna Drawing and Photo

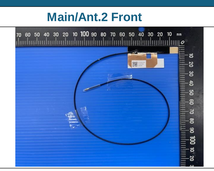
Main/Ant.2 Drawing



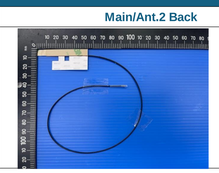
Aux/Ant.1 Drawing



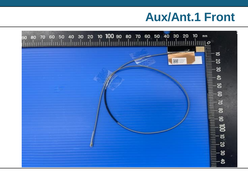
Main/Ant.2 Front



Main/Ant.2 Back



Aux/Ant.1 Front

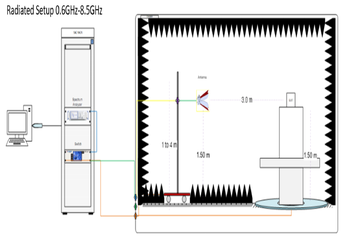


Aux/Ant.1 Back

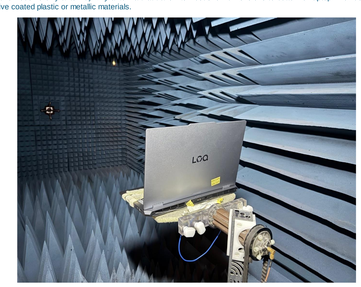
Measurement Method and Test System Description

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 coated plastic or metallic materials.

Radiated Setup 0.6GHz-8.5GHz



Photographs



Test Equipment List

ID	Model Name	Manufacturer	Serial Number	Calibration Date	Calibration Due Date
Anechoic Chamber	AMS8500	ETS-Lindgren	-	2024/7/13	2025/7/13
Turn Table	ETS	ETS-Lindgren	-	N/A	N/A
Switch & Positioning system	2090	ETS-Lindgren	-	N/A	N/A
Horn Antenna	3164-08	ETS-Lindgren	99210.00	N/A	N/A
Network Analyzer	E5071C	Agilient	MY46103999	2024/7/13	2025/7/13
Commercial test software	EMQuest	ETS-Lindgren	Version 1.14 Build 10265 SN:1156	2024/7/13	2025/7/13

Test location

Company name	Pulse
Address	No.51, Jing 6th Road, N.E.P.Z., Kaohsiung 81170, Taiwan (R.O.C.)

Test Personnel

Name(Full name	Mars Tsai
E-mail	Mars.tsai@yageo.com
Tel/Mobile	+886 7 9618999#3396
Testing date	2025/05/19