

Appendix E. Antenna location and standalone SAR test exclusion

The location of the antenna inside EUT is as below:

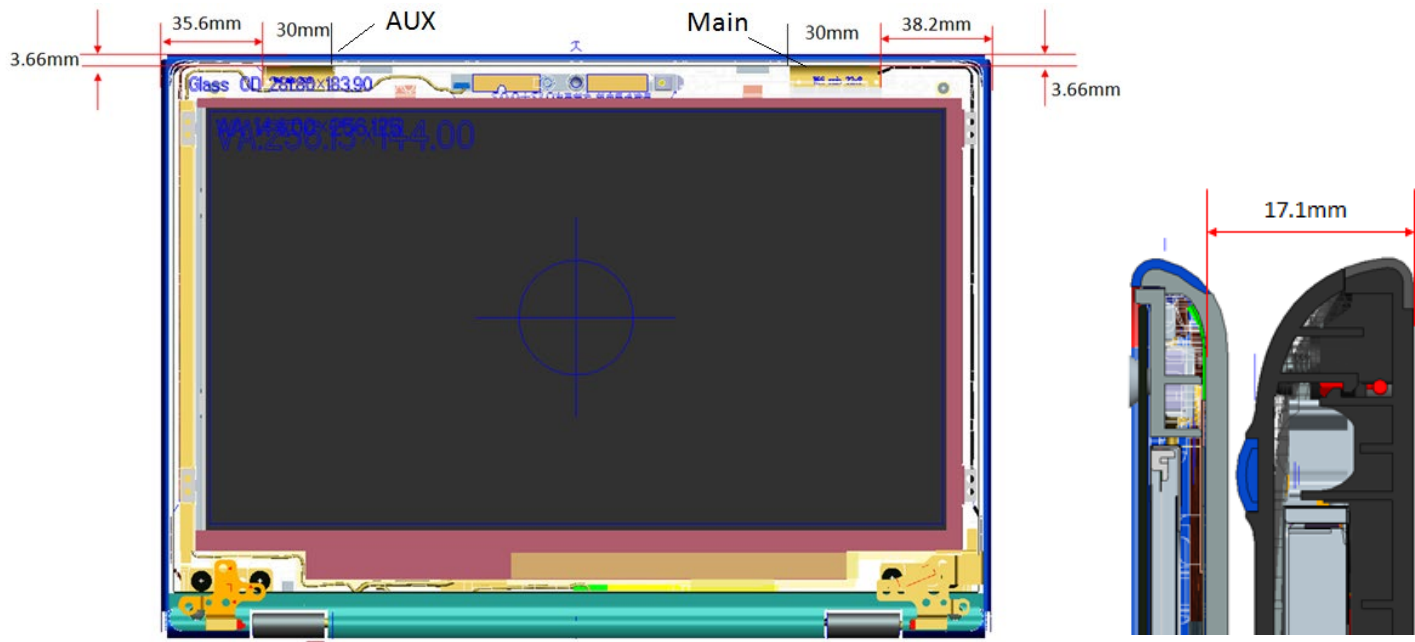


Figure: The location of the antennas

The SAR measurement positions of each antenna are as below:

For tablet mode

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
Main antenna	No	Yes	No	No	Yes	No
Aux antenna	No	Yes	No	No	Yes	No

For notebook mode

Antenna	Back of Keyboard	Back of Screen
Main antenna	Yes	Yes
Aux antenna	Yes	Yes

Note:

- 1) SAR evaluation for the front surface of tablet display screens is generally not necessary.
- 2) Although the Back of Keyboard is more than 20cm from the antenna distance, SAR was tested for conservative evaluation.

The distance <50mm of Main Antenna

Mode	Position	Distance (mm)	Pmax (dBm)	Pmax (mW)	f (GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
BT	Top	5	6	3.98	2.48	1.25	3	No
	Rear Face	17.1	6	3.98	2.48	0.37	3	No
	Right	38.2	6	3.98	2.48	0.16	3	No
2.4G WiFi	Top	5	18	63.10	2.462	19.80	3	Yes
	Rear Face	17.1	18	63.10	2.462	5.79	3	Yes
	Right	38.2	18	63.10	2.462	2.59	3	No
5.2G WiFi	Top	5	15	31.62	5.24	14.48	3	Yes
	Rear Face	17.1	15	31.62	5.24	4.23	3	Yes
	Right	38.2	15	31.62	5.24	1.89	3	No
5.3G WiFi	Top	5	15	31.62	5.32	14.59	3	Yes
	Rear Face	17.1	15	31.62	5.32	4.27	3	Yes
	Right	38.2	15	31.62	5.32	1.91	3	No
5.5G WiFi	Top	5	15	31.62	5.7	15.10	3	Yes
	Rear Face	17.1	15	31.62	5.7	4.42	3	Yes
	Right	38.2	15	31.62	5.7	1.98	3	No
5.8G WiFi	Top	5	15	31.62	5.825	15.26	3	Yes
	Rear Face	17.1	15	31.62	5.825	4.46	3	Yes
	Right	38.2	15	31.62	5.825	2.00	3	No

The distance <50mm of Aux Antenna

Mode	Position	Distance (mm)	Pmax (dBm)	Pmax (mW)	f (GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
BT	Top	5	6	3.98	2.48	1.25	3	No
	Rear Facee	17.1	6	3.98	2.48	0.37	3	No
	Left	35.6	6	3.98	2.48	0.18	3	No
2.4G WiFi	Top	5	18	63.10	2.462	19.80	3	Yes
	Rear Facee	17.1	18	63.10	2.462	5.79	3	Yes
	Left	35.6	18	63.10	2.462	2.78	3	No
5.2G WiFi	Top	5	15	31.62	5.24	14.48	3	Yes
	Rear Facee	17.1	15	31.62	5.24	4.23	3	Yes
	Left	35.6	15	31.62	5.24	2.03	3	No
5.3G WiFi	Top	5	15	31.62	5.32	14.59	3	Yes
	Rear Facee	17.1	15	31.62	5.32	4.27	3	Yes
	Left	35.6	15	31.62	5.32	2.05	3	No
5.5G WiFi	Top	5	15	31.62	5.7	15.10	3	Yes
	Rear Facee	17.1	15	31.62	5.7	4.42	3	Yes
	Left	35.6	15	31.62	5.7	2.12	3	No
5.8G WiFi	Top	5	15	31.62	5.825	15.26	3	Yes
	Rear Facee	17.1	15	31.62	5.825	4.46	3	Yes
	Left	35.6	15	31.62	5.825	2.14	3	No

The distance >50mm of Main Antenna

Mode	Position	Distance (mm)	Pmax (dBm)	Pmax (mW)	f (GHz)	Power allowed at numeric Threshold at 50mm	SAR Exclusion Result	Test Requirement (Yes/No)
BT	Left	219.7	18	63.10	2.48	95.25	1792.25	No
	Bottom	202.2	18	63.10	2.48	95.25	1617.25	No
2.4G WiFi	Left	219.7	15	31.62	2.462	95.60	1792.60	No
	Bottom	202.2	15	31.62	2.462	95.60	1617.60	No
5.2G WiFi	Left	219.7	15	31.62	5.24	65.53	1762.53	No
	Bottom	202.2	15	31.62	5.24	65.53	1587.53	No
5.3G WiFi	Left	219.7	15	31.62	5.32	65.03	1762.03	No
	Bottom	202.2	15	31.62	5.32	65.03	1587.03	No
5.5G WiFi	Left	219.7	15	31.62	5.7	62.83	1759.83	No
	Bottom	202.2	15	31.62	5.7	62.83	1584.83	No
5.8G WiFi	Left	219.7	15	31.62	5.825	62.15	1759.15	No
	Bottom	202.2	15	31.62	5.825	62.15	1584.15	No

The distance >50mm of Aux Antenna

Mode	Position	Distance (mm)	Pmax (dBm)	Pmax (mW)	f (GHz)	Power allowed at numeric Threshold at 50mm	SAR Exclusion Result	Test Requirement (Yes/No)
BT	Right	229.3	18	63.10	2.48	95.25	1888.25	No
	Bottom	202.2	18	63.10	2.48	95.25	1617.25	No
2.4G WiFi	Right	229.3	15	31.62	2.462	95.60	1888.60	No
	Bottom	202.2	15	31.62	2.462	95.60	1617.60	No
5.2G WiFi	Right	229.3	15	31.62	5.24	65.53	1858.53	No
	Bottom	202.2	15	31.62	5.24	65.53	1587.53	No
5.3G WiFi	Right	229.3	15	31.62	5.32	65.03	1858.03	No
	Bottom	202.2	15	31.62	5.32	65.03	1587.03	No
5.5G WiFi	Right	229.3	15	31.62	5.7	62.83	1855.83	No
	Bottom	202.2	15	31.62	5.7	62.83	1584.83	No
5.8G WiFi	Right	229.3	15	31.62	5.825	62.15	1855.15	No
	Bottom	202.2	15	31.62	5.825	62.15	1584.15	No