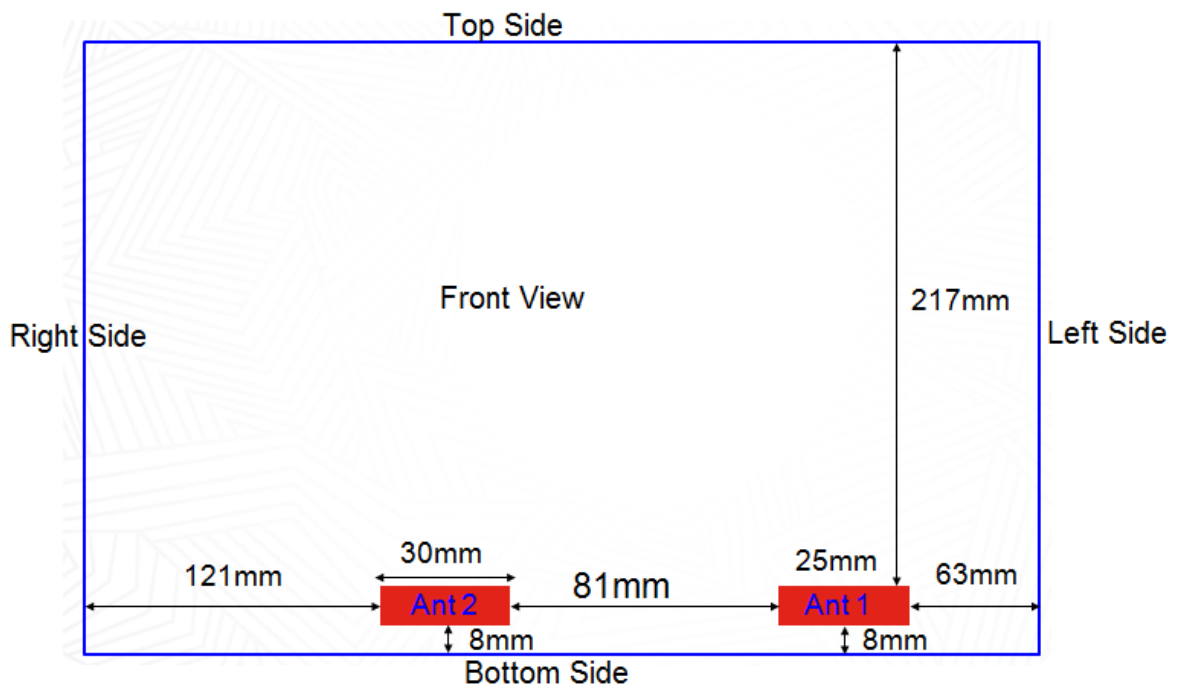


Appendix E. Antenna location and SAR Exclusion

The location of the antenna inside EUT is as below:



Antenna	Rear Face	Right Side	Left Side	Top Side	Bottom Side
WLAN Main (Ant 1)	5mm	232mm	63mm	217mm	8mm
WLAN Aux (Ant 2)	5mm	121mm	169mm	217mm	8mm

Note: BT antenna only supports the aux antenna (Ant 2).

The distance <50mm

WLAN Main_Ant

Mode	Position	Pmax(dBm)*	Pmax(mW)	Distance(mm)	f(GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
802.11b	Rear	18.00	63.10	5	2.462	19.80	3	Yes
802.11b	Bottom	18.00	63.10	8	2.462	12.38	3	Yes
802.11a (5.2G)	Rear	18.00	63.10	5	5.24	28.89	3	Yes
802.11a (5.2G)	Bottom	18.00	63.10	8	5.24	18.05	3	Yes
802.11a (5.3G)	Rear	18.00	63.10	5	5.32	29.11	3	Yes
802.11a (5.3G)	Bottom	18.00	63.10	8	5.32	18.19	3	Yes
802.11a (5.6G)	Rear	18.50	70.79	5	5.72	33.86	3	Yes
802.11a (5.6G)	Bottom	18.50	70.79	8	5.72	21.16	3	Yes
802.11a (5.8G)	Rear	18.50	70.79	5	5.825	34.17	3	Yes
802.11a (5.8G)	Bottom	18.50	70.79	8	5.825	21.36	3	Yes

Note: For more information, please refer to section 8.1.2 of the test report "BTL-FCC SAR-1-1801C263".

The distance <50mm

WLAN Aux_Ant

Mode	Position	Pmax(dBm)*	Pmax(mW)	Distance(mm)	f(GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
BT	Rear	6.00	3.98	5	2.48	1.25	3	No
BT	Bottom	6.00	3.98	8	2.48	0.78	3	No
802.11b	Rear	18.00	63.10	5	2.462	19.80	3	Yes
802.11b	Bottom	18.00	63.10	8	2.462	12.38	3	Yes
802.11a (5.2G)	Rear	18.00	63.10	5	5.24	28.89	3	Yes
802.11a (5.2G)	Bottom	18.00	63.10	8	5.24	18.05	3	Yes
802.11a (5.3G)	Rear	18.00	63.10	5	5.32	29.11	3	Yes
802.11a (5.3G)	Bottom	18.00	63.10	8	5.32	18.19	3	Yes
802.11a (5.6G)	Rear	18.50	70.79	5	5.72	33.86	3	Yes
802.11a (5.6G)	Bottom	18.50	70.79	8	5.72	21.16	3	Yes
802.11a (5.8G)	Rear	18.50	70.79	5	5.825	34.17	3	Yes
802.11a (5.8G)	Bottom	18.50	70.79	8	5.825	21.36	3	Yes

Note: For more information, please refer to section 8.1.2 of the test report “BTL-FCC SAR-1-1801C263”.

The distance >50mm

WLAN Main_Ant

Mode	Position	f(GHz)	Power allowed at numeric Threshold at 50mm	Distance (mm)	Pmax(dBm)*	Pmax(mW)	SAR Exclusion Result	Test Requirement (Yes/No)
802.11b	Right	2.462	95.60	232	18.00	63.10	1915.60	No
802.11b	Left	2.462	95.60	63	18.00	63.10	225.60	No
802.11b	Top	2.462	95.60	217	18.00	63.10	1765.60	No
802.11a(5.2G)	Right	5.24	65.53	232	18.00	63.10	1885.53	No
802.11a(5.2G)	Left	5.24	65.53	63	18.00	63.10	195.53	No
802.11a(5.2G)	Top	5.24	65.53	217	18.00	63.10	1735.53	No
802.11a(5.3G)	Right	5.32	65.03	232	18.00	63.10	6519.97	No
802.11a(5.3G)	Left	5.32	65.03	63	18.00	63.10	526.10	No
802.11a(5.3G)	Top	5.32	65.03	217	18.00	63.10	5987.97	No
802.11a(5.6G)	Right	5.72	62.72	232	18.50	70.79	7002.98	No
802.11a(5.6G)	Left	5.72	62.72	63	18.50	70.79	558.45	No
802.11a(5.6G)	Top	5.72	62.72	217	18.50	70.79	6430.98	No
802.11a(5.8G)	Right	5.825	62.15	232	18.50	70.79	1882.15	No
802.11a(5.8G)	Left	5.825	62.15	63	18.50	70.79	192.15	No
802.11a(5.8G)	Top	5.825	62.15	217	18.50	70.79	1732.15	No

WLAN Aux_Ant

Mode	Position	f(GHz)	Power allowed at numeric Threshold at 50mm	Distance (mm)	Pmax(dBm)*	Pmax(mW)	SAR Exclusion Result	Test Requirement (Yes/No)
BT	Right	2.48	95.25	121	6.00	3.98	805.25	No
BT	Left	2.48	95.25	169	6.00	3.98	1285.25	No
BT	Top	2.48	95.25	217	6.00	3.98	1765.25	No
802.11b	Right	2.462	95.60	121	18.00	63.10	805.60	No
802.11b	Left	2.462	95.60	169	18.00	63.10	1285.60	No
802.11b	Top	2.462	95.60	217	18.00	63.10	1765.60	No
802.11a(5.2G)	Right	5.24	65.53	121	18.00	63.10	775.53	No
802.11a(5.2G)	Left	5.24	65.53	169	18.00	63.10	1255.53	No
802.11a(5.2G)	Top	5.24	65.53	217	18.00	63.10	1735.53	No
802.11a(5.3G)	Right	5.32	65.03	121	18.00	63.10	2583.17	No
802.11a(5.3G)	Left	5.32	65.03	169	18.00	63.10	4285.57	No
802.11a(5.3G)	Top	5.32	65.03	217	18.00	63.10	5987.97	No
802.11a(5.6G)	Right	5.72	62.72	121	18.50	70.79	2770.18	No
802.11a(5.6G)	Left	5.72	62.72	169	18.50	70.79	4600.58	No
802.11a(5.6G)	Top	5.72	62.72	217	18.50	70.79	6430.98	No
802.11a(5.8G)	Right	5.825	62.15	121	18.50	70.79	772.15	No
802.11a(5.8G)	Left	5.825	62.15	169	18.50	70.79	1252.15	No
802.11a(5.8G)	Top	5.825	62.15	217	18.50	70.79	1732.15	No