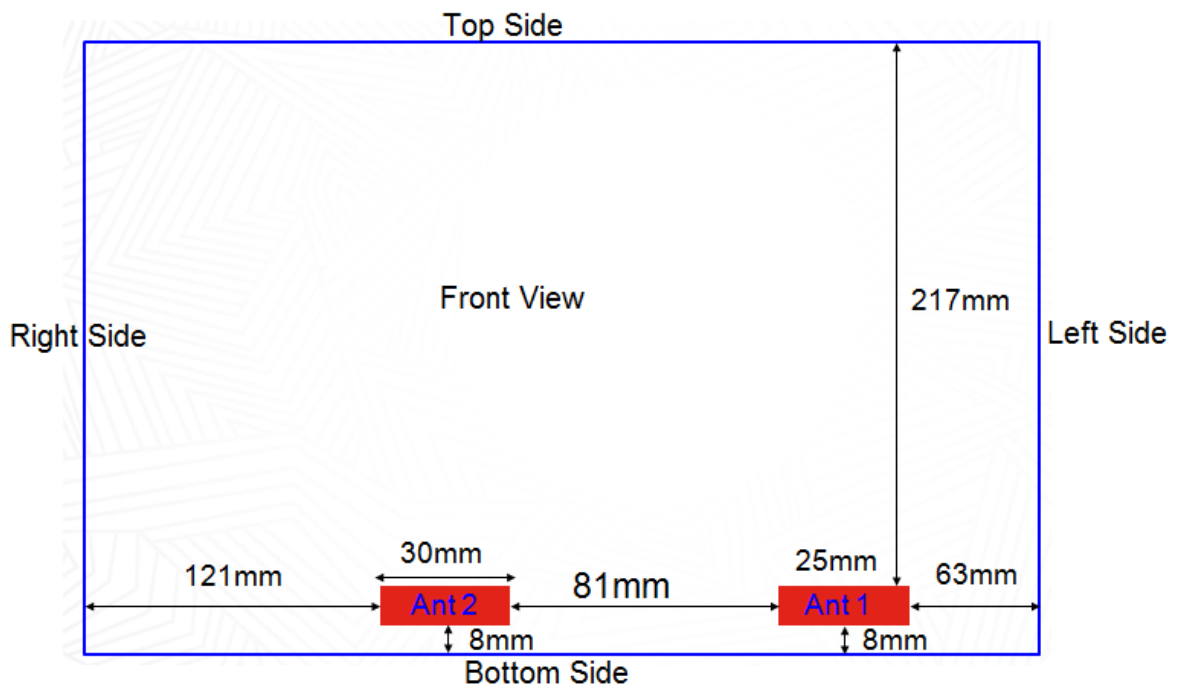


Appendix E. Antenna location and SAR Exclusion

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	17.50	56.23	5	2.462	17.65	3	Yes
802.11b	Bottom	17.50	56.23	8	2.462	11.03	3	Yes
802.11a (5.2G)	Rear	18.50	70.79	5	5.24	32.41	3	Yes
802.11a (5.2G)	Bottom	18.50	70.79	8	5.24	20.26	3	Yes
802.11a (5.3G)	Rear	18.50	70.79	5	5.32	32.66	3	Yes
802.11a (5.3G)	Bottom	18.50	70.79	8	5.32	20.41	3	Yes
802.11a (5.6G)	Rear	17.50	56.23	5	5.72	26.90	3	Yes
802.11a (5.6G)	Bottom	17.50	56.23	8	5.72	16.81	3	Yes
802.11a (5.8G)	Rear	16.00	39.81	5	5.825	19.22	3	Yes
802.11a (5.8G)	Bottom	16.00	39.81	8	5.825	12.01	3	Yes

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	17.50	56.23	5	2.462	17.65	3	Yes
802.11b	Bottom	17.50	56.23	8	2.462	11.03	3	Yes
802.11a (5.2G)	Rear	18.50	70.79	5	5.24	32.41	3	Yes
802.11a (5.2G)	Bottom	18.50	70.79	8	5.24	20.26	3	Yes
802.11a (5.3G)	Rear	18.50	70.79	5	5.32	32.66	3	Yes
802.11a (5.3G)	Bottom	18.50	70.79	8	5.32	20.41	3	Yes
802.11a (5.6G)	Rear	17.50	56.23	5	5.72	26.90	3	Yes
802.11a (5.6G)	Bottom	17.50	56.23	8	5.72	16.81	3	Yes
802.11a (5.8G)	Rear	16.00	39.81	5	5.825	19.22	3	Yes
802.11a (5.8G)	Bottom	16.00	39.81	8	5.825	12.01	3	Yes

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	17.50	56.23	1915.60	No
802.11b	Left	2.462	95.60	63	17.50	56.23	225.60	No
802.11b	Top	2.462	95.60	217	17.50	56.23	1765.60	No
802.11a(5.2G)	Right	5.24	65.53	232	18.50	70.79	1885.53	No
802.11a(5.2G)	Left	5.24	65.53	63	18.50	70.79	195.53	No
802.11a(5.2G)	Top	5.24	65.53	217	18.50	70.79	1735.53	No
802.11a(5.3G)	Right	5.32	65.03	232	18.50	70.79	1885.03	No
802.11a(5.3G)	Left	5.32	65.03	63	18.50	70.79	195.03	No
802.11a(5.3G)	Top	5.32	65.03	217	18.50	70.79	1735.03	No
802.11a(5.6G)	Right	5.72	62.72	232	17.50	56.23	7002.98	No
802.11a(5.6G)	Left	5.72	62.72	63	17.50	56.23	558.45	No
802.11a(5.6G)	Top	5.72	62.72	217	17.50	56.23	6430.98	No
802.11a(5.8G)	Right	5.825	62.15	232	16.00	39.81	7129.82	No
802.11a(5.8G)	Left	5.825	62.15	63	16.00	39.81	566.98	No
802.11a(5.8G)	Top	5.825	62.15	217	16.00	39.81	6547.32	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	17.50	56.23	805.60	No
802.11b	Left	2.462	95.60	169	17.50	56.23	1285.60	No
802.11b	Top	2.462	95.60	217	17.50	56.23	1765.60	No
802.11a(5.2G)	Right	5.24	65.53	121	18.50	70.79	775.53	No
802.11a(5.2G)	Left	5.24	65.53	169	18.50	70.79	1255.53	No
802.11a(5.2G)	Top	5.24	65.53	217	18.50	70.79	1735.53	No
802.11a(5.3G)	Right	5.32	65.03	121	18.50	70.79	775.03	No
802.11a(5.3G)	Left	5.32	65.03	169	18.50	70.79	1255.03	No
802.11a(5.3G)	Top	5.32	65.03	217	18.50	70.79	1735.03	No
802.11a(5.6G)	Right	5.72	62.72	121	17.50	56.23	772.72	No
802.11a(5.6G)	Left	5.72	62.72	169	17.50	56.23	1252.72	No
802.11a(5.6G)	Top	5.72	62.72	217	17.50	56.23	1732.72	No
802.11a(5.8G)	Right	5.825	62.15	121	16.00	39.81	772.15	No
802.11a(5.8G)	Left	5.825	62.15	169	16.00	39.81	1252.15	No
802.11a(5.8G)	Top	5.825	62.15	217	16.00	39.81	1732.15	No