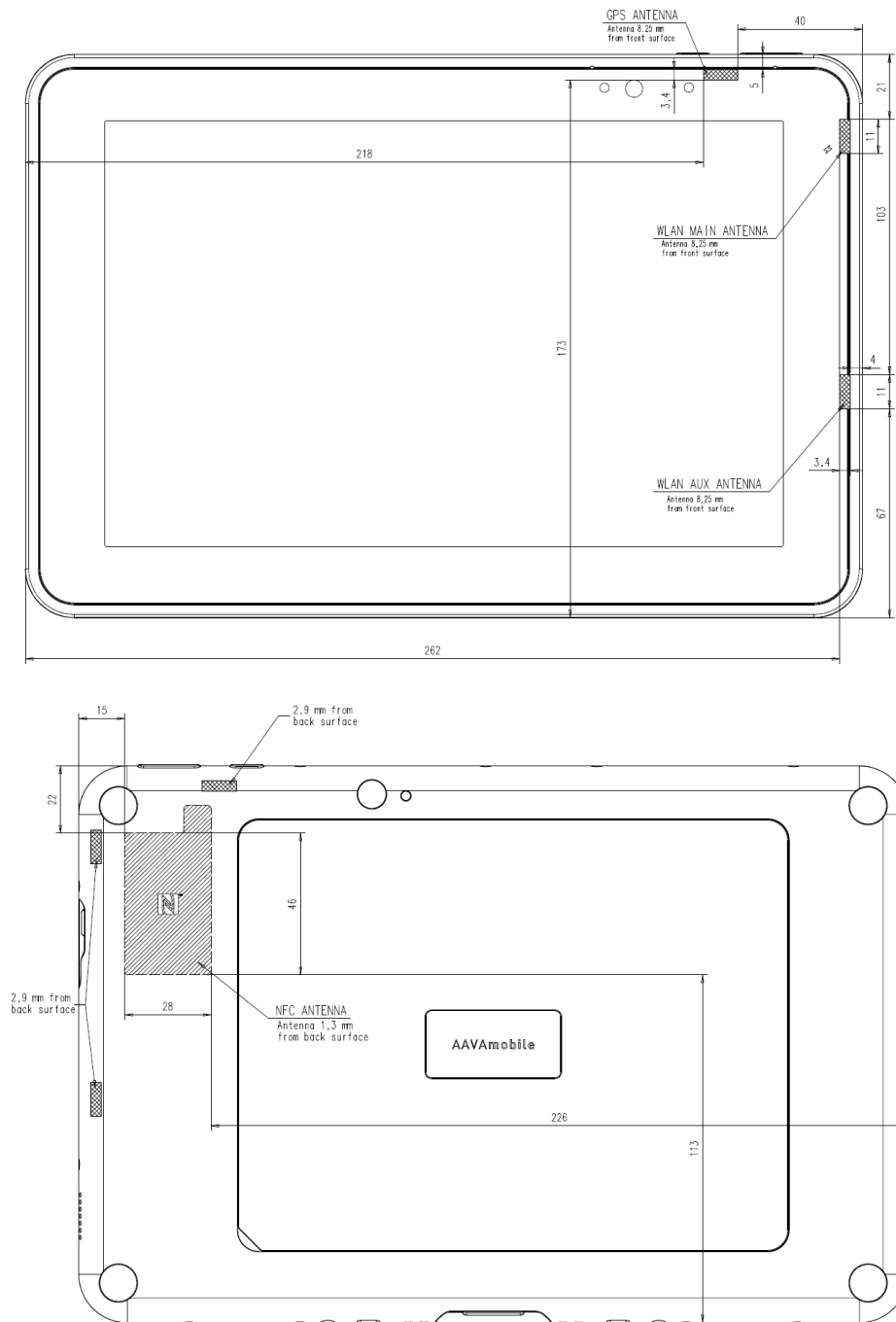


Appendix E. Antenna location and standalone SAR test exclusion

The location of the antenna inside EUT is as below:



The SAR measurement positions of each antenna are as below:

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
WiFi Ant 1	Yes	Yes	No	Yes	Yes	No
WiFi Ant 2	Yes	Yes	No	Yes	No	Yes

Note: According to the antenna location shown as above, particular DUT edges were not required to be evaluated for SAR if the antenna-to-edge distance is greater than 50mm.

The distance <50mm

For Ant 1:

Mode	Position	Distance (mm)	P _{max} (dBm)	P _{max} (mW)	f (GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
BT	Rear	2.9	7	5.01	2.48	2.72	3	No
	Top	21	7	5.01	2.48	0.38	3	No
	Right	2	7	5.01	2.48	3.95	3	Yes
2.4G WiFi	Rear	2.9	12	15.85	2.462	8.58	3	Yes
	Top	21	12	15.85	2.462	1.18	3	No
	Right	2	12	15.85	2.462	12.43	3	Yes
5.2G WiFi	Rear	2.9	10	10.00	5.24	7.89	3	Yes
	Top	21	10	10.00	5.24	1.09	3	No
	Right	2	10	10.00	5.24	11.45	3	Yes
5.3G WiFi	Rear	2.9	10.5	11.22	5.32	8.92	3	Yes
	Top	21	10.5	11.22	5.32	1.23	3	No
	Right	2	10.5	11.22	5.32	12.94	3	Yes
5.5G WiFi	Rear	2.9	9	7.94	5.7	6.54	3	Yes
	Top	21	9	7.94	5.7	0.90	3	No
	Right	2	9	7.94	5.7	9.48	3	Yes
5.8G WiFi	Rear	2.9	8.5	7.08	5.825	5.89	3	Yes
	Top	21	8.5	7.08	5.825	0.81	3	No
	Right	2	8.5	7.08	5.825	8.54	3	Yes

For Ant 2:

Mode	Position	Distance (mm)	P _{max} (dBm)	P _{max} (mW)	f (GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
2.4G WiFi	Rear	2.9	12	15.85	2.462	8.58	3	Yes
	Bottom	45	12	15.85	2.462	0.55	3	No
	Right	2	12	15.85	2.462	12.43	3	Yes
5.2G WiFi	Rear	2.9	11	12.59	5.24	9.94	3	Yes
	Bottom	45	11	12.59	5.24	0.64	3	No
	Right	2	11	12.59	5.24	14.41	3	Yes
5.3G WiFi	Rear	2.9	11.5	14.13	5.32	11.23	3	Yes
	Bottom	45	11.5	14.13	5.32	0.72	3	No
	Right	2	11.5	14.13	5.32	16.29	3	Yes
5.5G WiFi	Rear	2.9	13	19.95	5.7	16.43	3	Yes
	Bottom	45	13	19.95	5.7	1.06	3	No
	Right	2	13	19.95	5.7	23.82	3	Yes
5.8G WiFi	Rear	2.9	12.5	17.78	5.825	14.80	3	Yes
	Bottom	45	12.5	17.78	5.825	0.95	3	No
	Right	2	12.5	17.78	5.825	21.46	3	Yes

The distance >50mm

For Ant 1:

Mode	Position	Distance (mm)	P _{max} (dBm)	P _{max} (mW)	f (GHz)	Power allowed at numeric Threshold at 50mm	SAR Exclusion Result	Test Requirement (Yes/No)
BT	Left	265	7	5.01	2.48	95.25	2245.25	No
	Bottom	148	7	5.01	2.48	95.25	1075.25	No
2.4G WiFi	Left	265	12	15.85	2.462	95.60	2245.60	No
	Bottom	148	12	15.85	2.462	95.60	1075.60	No
5.2G WiFi	Left	265	10	10.00	5.24	65.53	2215.53	No
	Bottom	148	10	10.00	5.24	65.53	1045.53	No
5.3G WiFi	Left	265	10.5	11.22	5.32	65.03	2215.03	No
	Bottom	148	10.5	11.22	5.32	65.03	1045.03	No
5.5G WiFi	Left	265	9	7.94	5.7	62.83	2212.83	No
	Bottom	148	9	7.94	5.7	62.83	1042.83	No
5.8G WiFi	Left	265	8.5	7.08	5.825	62.15	2212.15	No
	Bottom	148	8.5	7.08	5.825	62.15	1042.15	No

For Ant 2:

Mode	Position	Distance (mm)	P _{max} (dBm)	P _{max} (mW)	f (GHz)	Power allowed at numeric Threshold at 50mm	SAR Exclusion Result	Test Requirement (Yes/No)
2.4G WiFi	Left	265	12	15.85	2.462	95.60	2245.60	No
	Top	124	12	15.85	2.462	95.60	835.60	No
5.2G WiFi	Left	265	11	12.59	5.24	65.53	2215.53	No
	Top	124	11	12.59	5.24	65.53	805.53	No
5.3G WiFi	Left	265	11.5	14.13	5.32	65.03	2215.03	No
	Top	124	11.5	14.13	5.32	65.03	805.03	No
5.5G WiFi	Left	265	13	19.95	5.7	62.83	2212.83	No
	Top	124	13	19.95	5.7	62.83	802.83	No
5.8G WiFi	Left	265	12.5	17.78	5.825	62.15	2212.15	No
	Top	124	12.5	17.78	5.825	62.15	802.15	No