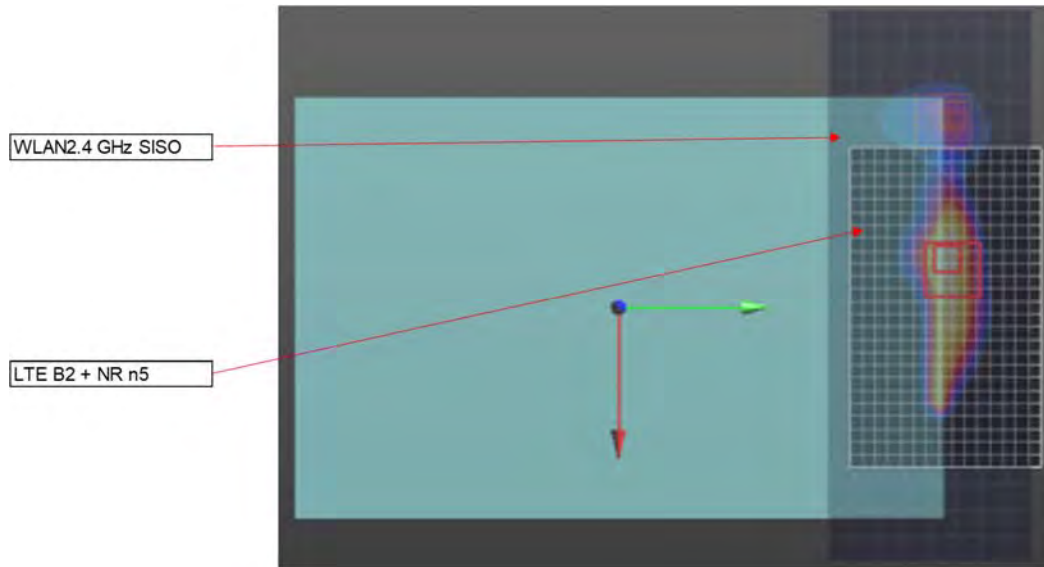


Appendix I Hybrid SPLSR

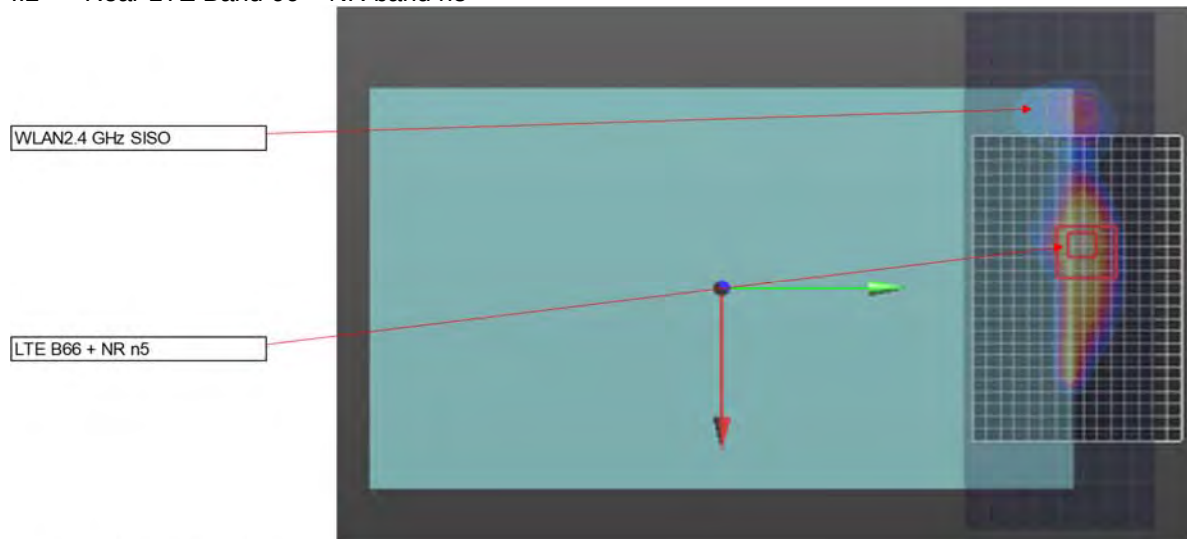
I.1 Rear LTE Band 2 + NR band n5



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN(LTE Band2 + NR n5) + DTS SISO											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.563	55.10	0.035	No
WLAN2.4 GHz SISO	Ant 1	2	-77.2	128.2	-177	0.607					
WWAN(LTE Band2 + NR n5) + DTS MIMO											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.710	107.50	0.021	No
WLAN2.4 GHz MIMO	Ant 2	2	84.5	122.5	-177	0.754					
WWAN(LTE Band2 + NR n5) + UNII 1A-2 SISO + BT Ant.1											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.510	102.58	0.018	No
WLAN5.3 GHz SISO	Ant 2	2	79	117.4	-177	0.554	No1+No3	1.306	54.26	0.028	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band2 + NR n5) + UNII 1A-2 MIMO + BT Ant.1											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.752	106.05	0.022	No
WLAN5.3 GHz MIMO	Ant 2	2	82.80	119.90	-177.00	0.796	No1+No3	1.306	54.26	0.028	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band2 + NR n5) + UNII 2-C SISO + BT Ant.1											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.585	100.56	0.020	No
WLAN5.6 GHz SISO	Ant 2	2	77.4	121.2	-177	0.629	No1+No3	1.306	54.26	0.028	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band2 + NR n5) + UNII 2-C MIMO + BT Ant.1											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.432	53.59	0.032	No
WLAN5.6 GHz MIMO	Ant 1	2	-74.5	119.5	-177	0.476	No1+No3	1.665	100.33	0.021	No
WLAN5.6 GHz MIMO	Ant 2	3	77.1	120.5	-177	0.709	No1+No4	1.306	54.26	0.028	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band2 + NR n5) + UNII 3 SISO + BT Ant.1											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.624	101.77	0.020	No
WLAN5.8 GHz SISO	Ant 2	2	78.6	121	-177	0.668	No1+No3	1.306	54.26	0.028	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band2 + NR n5) + UNII 3 MIMO + BT Ant.1											
LTE B2 + NR n5	MAIN1	1	-22.5	131	-183	0.956	No1+No2	1.299	50.91	0.029	No
WLAN5.8 GHz MIMO	Ant 1	2	-72.50	123.50	-177.00	0.343	No1+No3	1.445	102.92	0.017	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489	No1+No4	1.306	54.26	0.028	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					

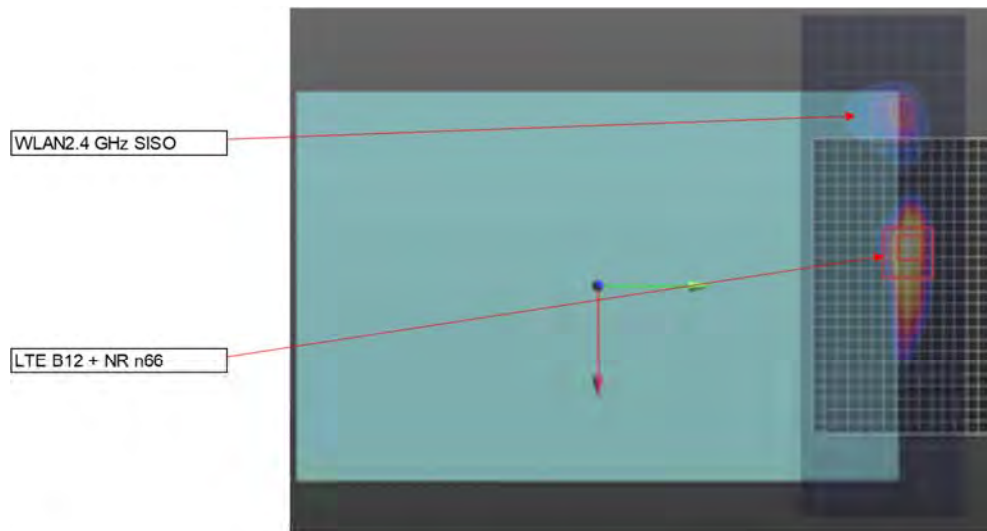
I.2 Rear LTE Band 66 + NR band n5



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN/LTE Band2 + NR n5) + DTS SISO											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.090	No1+No2	1.697	60.07	0.037	No
WLAN 2.4 GHz SISO	Ant 1	2	-77.2	128.2	-177	0.607					
WWAN/LTE Band2 + NR n5) + DTS MIMO											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.844	102.53	0.024	No
WLAN 2.4 GHz MIMO	Ant 2	2	84.5	122.5	-177	0.754					
WWAN/LTE Band2 + NR n5) + UNII 1A-2 SISO + BT Ant.1											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.644	97.64	0.022	No
WLAN 5.3 GHz SISO	Ant 2	2	79	117.4	-177	0.554	No1+No3	1.440	59.23	0.029	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 1A-2 MIMO + BT Ant.1											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.886	101.09	0.026	No
WLAN 5.3 GHz MIMO	Ant 2	2	82.80	119.90	-177.00	0.796	No1+No3	1.440	59.23	0.029	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 2-C SISO + BT Ant.1											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.719	95.59	0.024	No
WLAN 5.6 GHz SISO	Ant 2	2	77.4	121.2	-177	0.629	No1+No3	1.440	59.23	0.029	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 2-C MIMO + BT Ant.1											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.566	58.46	0.034	No
WLAN 5.6 GHz MIMO	Ant 1	2	-74.5	119.5	-177	0.476	No1+No3	1.799	95.37	0.025	No
WLAN 5.6 GHz MIMO	Ant 2	3	77.1	120.5	-177	0.709	No1+No4	1.440	59.23	0.029	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 3 SISO + BT Ant.1											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.758	96.81	0.024	No
WLAN 5.8 GHz SISO	Ant 2	2	78.6	121	-177	0.668	No1+No3	1.440	59.23	0.029	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 3 MIMO + BT Ant.1											
LTE B66 + NR n5	MAIN1	1	-17.5	131	-183	1.09	No1+No2	1.433	55.83	0.031	No
WLAN 5.8 GHz MIMO	Ant 1	2	-72.50	123.50	-177.00	0.343	No1+No3	1.579	97.94	0.020	No
WLAN 5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489	No1+No4	1.440	59.23	0.029	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					

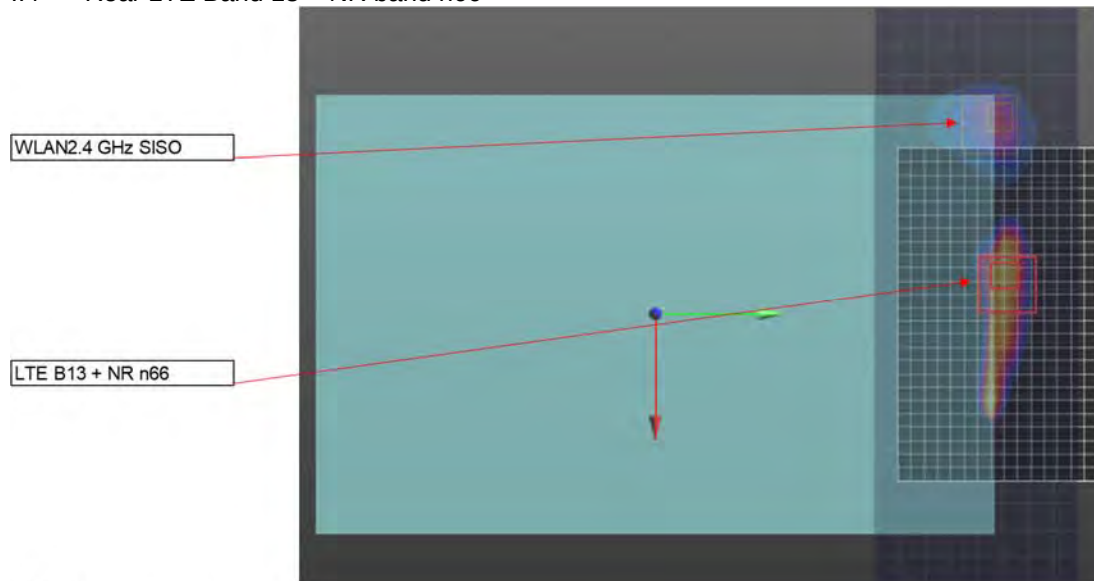
I.3 Rear LTE Band 12 + NR band n66



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN/LTE Band66 + NR n5) + DTS SISO											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.030	No1+No2	1.637	60.17	0.035	No
WLAN2.4 GHz SISO	Ant 1	2	-77.2	128.2	-177	0.607					
WWAN/LTE Band2 + NR n5) + DTS MIMO											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.784	102.59	0.023	No
WLAN2.4 GHz MIMO	Ant 2	2	84.5	122.5	-177	0.754					
WWAN/LTE Band2 + NR n5) + UNII 1A-2 SISO + BT Ant.1											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.584	97.70	0.020	No
WLAN5.3 GHz SISO	Ant 2	2	79	117.4	-177	0.554	No1+No3	1.380	59.35	0.027	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 1A-2 MIMO + BT Ant.1											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.826	101.15	0.024	No
WLAN5.3 GHz MIMO	Ant 2	2	82.80	119.90	-177.00	0.796	No1+No3	1.380	59.35	0.027	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 2-C SISO + BT Ant.1											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.659	95.66	0.022	No
WLAN5.6 GHz SISO	Ant 2	2	77.4	121.2	-177	0.629	No1+No3	1.380	59.35	0.027	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 2-C MIMO + BT Ant.1											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.506	58.57	0.032	No
WLAN5.6 GHz MIMO	Ant 1	2	-74.5	119.5	-177	0.476	No1+No3	1.739	95.44	0.024	No
WLAN5.6 GHz MIMO	Ant 2	3	77.1	120.5	-177	0.709	No1+No4	1.380	59.35	0.027	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 3 SISO + BT Ant.1											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.698	96.87	0.023	No
WLAN5.8 GHz SISO	Ant 2	2	78.6	121	-177	0.668	No1+No3	1.380	59.35	0.027	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN/LTE Band2 + NR n5) + UNII 3 MIMO + BT Ant.1											
LTE B12 + NR n66	MAIN1	1	-17.5	131	-184	1.03	No1+No2	1.373	55.95	0.029	No
WLAN5.8 GHz MIMO	Ant 1	2	-72.50	123.50	-177.00	0.343	No1+No3	1.519	98.01	0.019	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489	No1+No4	1.380	59.35	0.027	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					

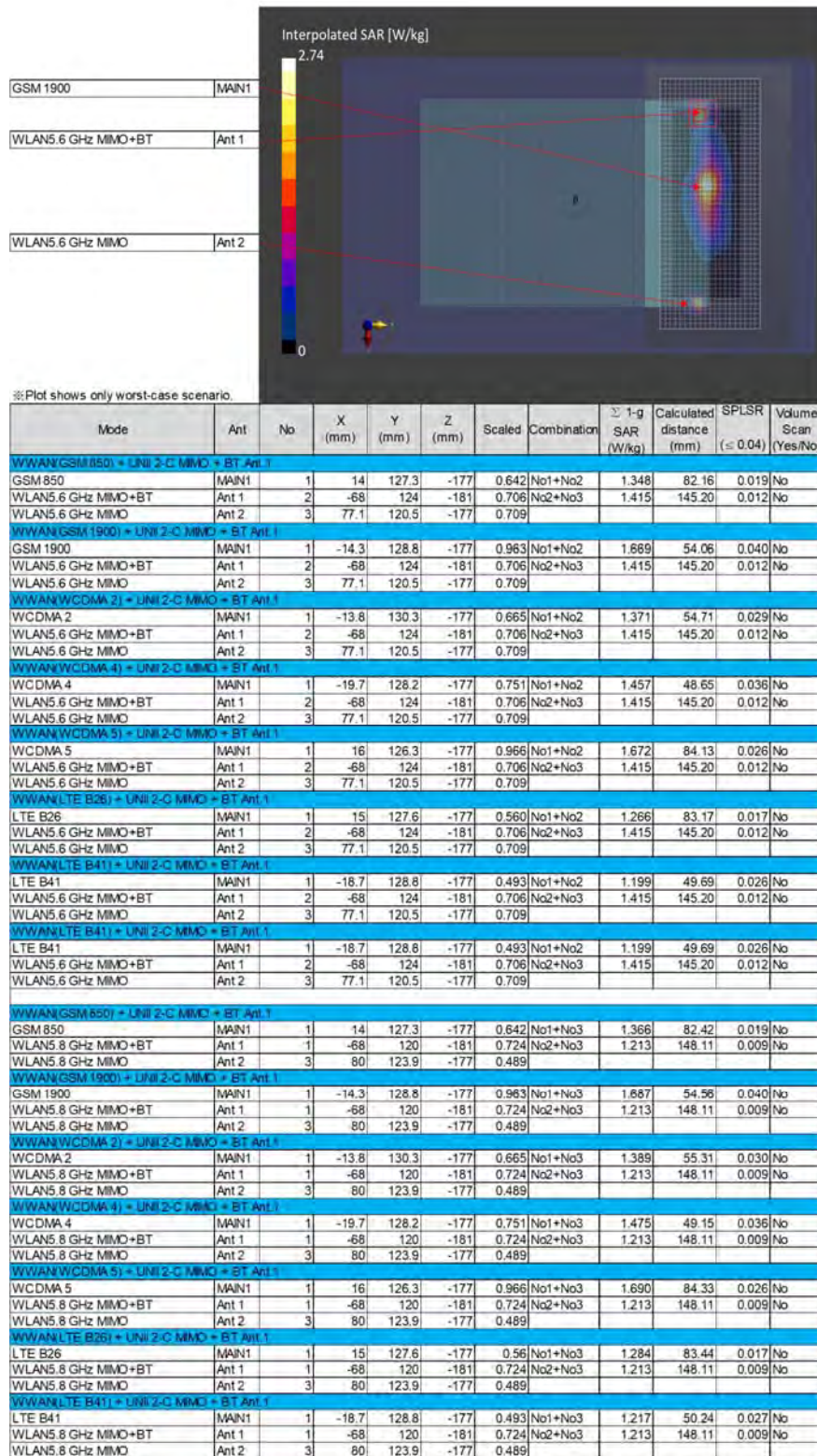
I.4 Rear LTE Band 13 + NR band n66



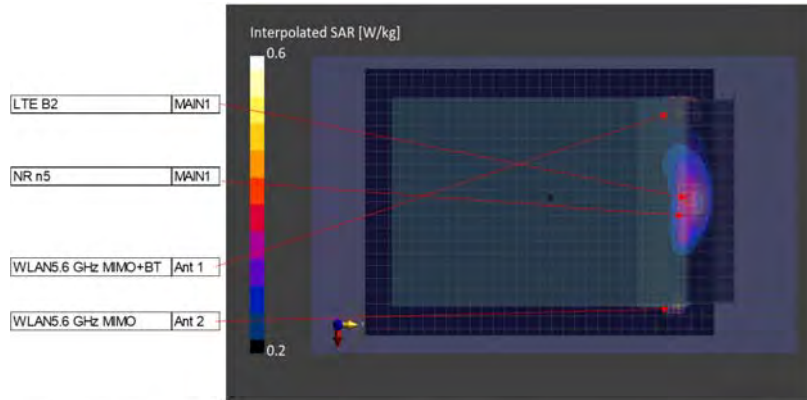
※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN(LTE Band13 + NR n66) + DTS SISO											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.150	No1+No2	1.757	60.17	0.039	No
WLAN2.4 GHz SISO	Ant 1	2	-77.2	128.2	-177	0.607					
WWAN(LTE Band13 + NR n66) + DTS MIMO											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.904	102.59	0.026	No
WLAN2.4 GHz MIMO	Ant 2	2	84.5	122.5	-177	0.754					
WWAN(LTE Band13 + NR n66) + UNII 1A-2 SISO + BT Ant.1											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.704	97.70	0.023	No
WLAN5.3 GHz SISO	Ant 2	2	79	117.4	-177	0.554	No1+No3	1.500	59.35	0.031	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band13 + NR n66) + UNII 1A-2 MIMO + BT Ant.1											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.946	101.15	0.027	No
WLAN5.3 GHz MIMO	Ant 2	2	82.80	119.90	-177.00	0.796	No1+No3	1.500	59.35	0.031	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band13 + NR n66) + UNII 2-C SISO + BT Ant.1											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.779	95.66	0.025	No
WLAN5.6 GHz SISO	Ant 2	2	77.4	121.2	-177	0.629	No1+No3	1.500	59.35	0.031	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band13 + NR n66) + UNII 2-C MIMO + BT Ant.1											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.626	58.57	0.035	No
WLAN5.6 GHz MIMO	Ant 1	2	-74.5	119.5	-177	0.476	No1+No3	1.859	95.44	0.027	No
WLAN5.6 GHz MIMO	Ant 2	3	77.1	120.5	-177	0.709	No1+No4	1.500	59.35	0.031	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band13 + NR n66) + UNII 3 SISO + BT Ant.1											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.818	96.87	0.025	No
WLAN5.8 GHz SISO	Ant 2	2	78.6	121	-177	0.668	No1+No3	1.500	59.35	0.031	No
BT	Ant 1	3	-76.4	131.8	-176.77	0.350					
WWAN(LTE Band13 + NR n66) + UNII 3 MIMO + BT Ant.1											
LTE B13 + NR n66	MAIN1	1	-17.5	131	-184	1.15	No1+No2	1.493	55.95	0.033	No
WLAN5.8 GHz MIMO	Ant 1	2	-72.50	123.50	-177.00	0.343	No1+No3	1.639	98.01	0.021	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489	No1+No4	1.500	59.35	0.031	No
BT	Ant 1	4	-76.4	131.8	-176.77	0.350					

I.5 Rear WLAN + BT + 2G/3G



I.6 Rear WLAN + BT + NSA

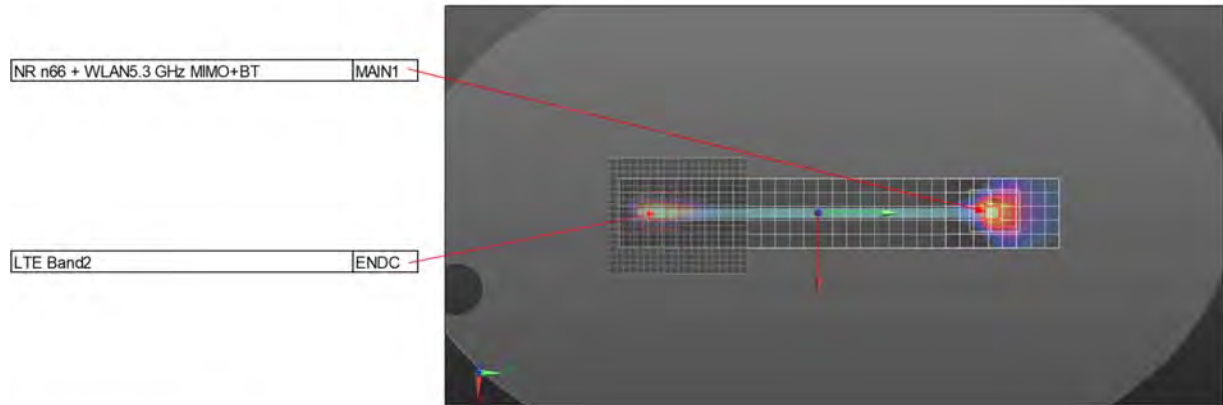


※ Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN/LTE B2 + NR n5 + UNI 2-C MIMO + BT Ant.1											
LTE B2	MAIN1	1	-15.9	127.8	-177	0.716	No1+No3	1.422	52.39	0.032	No
NR n5	MAIN1	2	-0.2	127.7	-177	0.461	No2+No3	1.167	68.02	0.009	No
WLAN5.6 GHz MIMO+BT	Ant 1	3	-68	124	-181	0.706	No3+No4	1.415	145.20	0.032	No
WLAN5.6 GHz MIMO	Ant 2	4	77.1	120.5	-177	0.709					
WWAN/LTE B66 + NR n5 + UNI 2-C MIMO + BT Ant.1											
LTE B66	MAIN1	1	0.6	35.2	-177	0.792	No1+No3	1.498	112.28	0.016	No
NR n5	MAIN1	2	-0.2	127.7	-177	0.461	No2+No3	1.167	68.02	0.009	No
WLAN5.6 GHz MIMO+BT	Ant 1	3	-68	124	-181	0.706	No3+No4	1.415	145.20	0.015	No
WLAN5.6 GHz MIMO	Ant 2	4	77.1	120.5	-177	0.709					
WWAN/LTE B2 ENDC + NR n66 + UNI 2-C MIMO + BT Ant.1											
LTE B2 ENDC	MAIN1	1	-11.9	-128.4	-177	0.426	No1+No3	1.132	258.59	0.005	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.406	113.45	0.011	No
WLAN5.6 GHz MIMO+BT	Ant 1	3	-68	124	-181	0.706	No3+No4	1.415	145.20	0.007	No
WLAN5.6 GHz MIMO	Ant 2	4	77.1	120.5	-177	0.709					
WWAN/LTE B5 + NR n66 + UNI 2-C MIMO + BT Ant.1											
LTE B5	MAIN1	1	0.9	34	-177	0.550	No1+No3	1.256	113.42	0.012	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.406	113.45	0.011	No
WLAN5.6 GHz MIMO+BT	Ant 1	3	-68	124	-181	0.706	No3+No4	1.415	145.20	0.015	No
WLAN5.6 GHz MIMO	Ant 2	4	77.1	120.5	-177	0.709					
WWAN/LTE B12 + NR n66 + UNI 2-C MIMO + BT Ant.1											
LTE B12	MAIN1	1	3.5	-26	-178.15	0.558	No1+No3	1.264	166.19	0.009	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.406	113.45	0.011	No
WLAN5.6 GHz MIMO+BT	Ant 1	3	-68	124	-181	0.706	No3+No4	1.415	145.20	0.010	No
WLAN5.6 GHz MIMO	Ant 2	4	77.1	120.5	-177	0.709					
WWAN/LTE B13 + NR n66 + UNI 2-C MIMO + BT Ant.1											
LTE B13	MAIN1	1	-6.5	134	-177.38	0.709	No1+No3	1.415	62.41	0.027	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.406	113.45	0.011	No
WLAN5.6 GHz MIMO+BT	Ant 1	3	-68	124	-181	0.706	No3+No4	1.415	145.20	0.027	No
WLAN5.6 GHz MIMO	Ant 2	4	77.1	120.5	-177	0.709					

WWAN/LTE B2 + NR n5 + UNI 3 MIMO + BT Ant.1											
LTE B2	MAIN1	1	-15.9	127.8	-177	0.716	No1+No3	1.440	52.83	0.033	No
NR n5	MAIN1	2	-0.2	127.7	-177	0.461	No2+No3	1.185	68.35	0.009	No
WLAN5.8 GHz MIMO+BT	Ant 1	1	-68	120	-181	0.724	No3+No4	1.213	148.11	0.025	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489					
WWAN/LTE B66 + NR n5 + UNI 3 MIMO + BT Ant.1											
LTE B66	MAIN1	1	0.6	35.2	-177	0.792	No1+No3	1.516	109.15	0.017	No
NR n5	MAIN1	2	-0.2	127.7	-177	0.461	No2+No3	1.185	68.35	0.009	No
WLAN5.8 GHz MIMO+BT	Ant 1	1	-68	120	-181	0.724	No3+No4	1.213	148.11	0.012	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489					
WWAN/LTE B2 ENDC + NR n66 + UNI 3 MIMO + BT Ant.1											
LTE B2 ENDC	MAIN1	1	-11.9	-128.4	-177	0.426	No1+No3	1.150	254.69	0.005	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.424	110.28	0.011	No
WLAN5.8 GHz MIMO+BT	Ant 1	1	-68	120	-181	0.724	No3+No4	1.213	148.11	0.005	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489					
WWAN/LTE B5 + NR n66 + UNI 3 MIMO + BT Ant.1											
LTE B5	MAIN1	1	0.9	34	-177	0.550	No1+No3	1.274	110.27	0.013	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.424	110.28	0.011	No
WLAN5.8 GHz MIMO+BT	Ant 1	1	-68	120	-181	0.724	No3+No4	1.213	148.11	0.012	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489					
WWAN/LTE B12 + NR n66 + UNI 3 MIMO + BT Ant.1											
LTE B12	MAIN1	1	3.5	-26	-178.15	0.558	No1+No3	1.282	162.59	0.009	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.424	110.28	0.011	No
WLAN5.8 GHz MIMO+BT	Ant 1	1	-68	120	-181	0.724	No3+No4	1.213	148.11	0.008	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489					
WWAN/LTE B13 + NR n66 + UNI 3 MIMO + BT Ant.1											
LTE B13	MAIN1	1	-6.5	134	-177.38	0.709	No1+No3	1.433	63.18	0.027	No
NR n66	MAIN1	2	-0.1	33.2	-177	0.700	No2+No3	1.424	110.28	0.011	No
WLAN5.8 GHz MIMO+BT	Ant 1	1	-68	120	-181	0.724	No3+No4	1.213	148.11	0.021	No
WLAN5.8 GHz MIMO	Ant 2	3	80	123.9	-177	0.489					

I.7 Right NR band n66 + BT + WLAN



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
(NR n66 + WLAN5.3 GHz MIMO+BT) + LTE Band2 ENDC											
NR n66 + WLAN5.3 GHz MIMO+BT	MAIN1	1	-2	-112	-180	0.834	No1+No2	1.329	293.27	0.005	No
LTE Band2	ENDC	2	-1	122	-3.23	0.495					
(NR n66 + WLAN5.6 GHz MIMO+BT) + LTE Band2 ENDC											
NR n66 + WLAN5.6 GHz MIMO+BT	MAIN1	1	-2	-112	-184	1.210	No1+No2	1.705	295.69	0.008	No
LTE Band2	ENDC	2	-1	122	-3.23	0.495					
(NR n66 + WLAN5.8 GHz MIMO+BT) + LTE Band2 ENDC											
NR n66 + WLAN5.8 GHz MIMO+BT	MAIN1	1	-2	-112	-184	1.040	No1+No2	1.535	295.69	0.006	No
LTE Band2	ENDC	2	-1	122	-3.23	0.495					