



16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
750MHz																					
75	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	23095	707.5	Open	22.37	23.60	1.327	-	-	0.06	2.400	3.186
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	DSI6	23095	707.5	Open	22.26	23.60	1.361	-	-	0.17	2.070	2.818
	LTE Band 12	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	23095	707.5	Open	22.17	23.60	1.390	-	-	-0.06	2.030	2.822
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	11mm	Ant 0	DSI4	23095	707.5	Open	22.37	24.00	1.455	-	-	-0.11	0.261	0.380
	LTE Band 12	10M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	23095	707.5	Open	22.48	23.70	1.324	-	-	-0.18	1.180	1.563
	LTE Band 12	10M	QPSK	25	0	-	Back	0mm	Ant 1	DSI6	23095	707.5	Open	22.47	23.70	1.327	-	-	0.04	1.020	1.354
	LTE Band 12	10M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI6	23095	707.5	Open	22.48	23.70	1.324	-	-	-0.13	1.840	2.437
	LTE Band 12	10M	QPSK	25	0	-	Left Side	0mm	Ant 1	DSI6	23095	707.5	Open	22.47	23.70	1.327	-	-	-0.17	1.580	2.097
	LTE Band 12	10M	QPSK	50	0	-	Left Side	0mm	Ant 1	DSI6	23095	707.5	Open	22.43	23.70	1.340	-	-	0.09	1.600	2.143
	LTE Band 12	10M	QPSK	1	0	-	Back	8mm	Ant 1	DSI4	23095	707.5	Open	22.48	24.00	1.419	-	-	0.13	0.299	0.424
	LTE Band 12	10M	QPSK	1	0	-	Left Side	13mm	Ant 1	DSI4	23095	707.5	Open	22.48	24.00	1.419	-	-	0.04	0.277	0.393
76	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	23230	782	Open	22.32	23.70	1.374	-	-	0.11	2.310	3.174
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	DSI6	23230	782	Open	22.28	23.70	1.387	-	-	-0.16	2.100	2.912
	LTE Band 13	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	23230	782	Open	22.11	23.70	1.442	-	-	0.05	2.080	3.000
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	11mm	Ant 0	DSI4	23230	782	Open	22.32	24.00	1.472	-	-	0.14	0.297	0.437
835MHz																					
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 1	DSI6	189	836.4	Open	27.78	29.00	1.324	-	-	0.04	0.839	1.111
77	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	DSI6	189	836.4	Open	27.78	29.00	1.324	-	-	-0.01	1.300	1.722
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Left Side	0mm	Ant 1	DSI6	189	836.4	Open	27.78	29.00	1.324	-	-	0.08	0.288	0.381
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	8mm	Ant 1	DSI4	189	836.4	Open	27.78	29.00	1.324	-	-	0.02	0.390	0.516
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	8mm	Ant 1	DSI4	189	836.4	Open	27.78	29.00	1.324	-	-	-0.16	0.422	0.559
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Left Side	13mm	Ant 1	DSI4	189	836.4	Open	27.78	29.00	1.324	-	-	0.07	0.226	0.299
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	4182	836.4	Open	24.23	25.00	1.194	-	-	-0.13	1.220	1.457
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	4182	836.4	Open	24.23	25.00	1.194	-	-	0.08	1.020	1.218
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	6mm	Ant 0	DSI4	4182	836.4	Open	24.23	25.00	1.194	-	-	0.04	0.500	0.597
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	11mm	Ant 0	DSI4	4182	836.4	Open	24.23	25.00	1.194	-	-	-0.14	0.197	0.235
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI6	4182	836.4	Open	24.27	25.00	1.183	-	-	-0.1	1.390	1.644
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	4182	836.4	Open	24.27	25.00	1.183	-	-	0.09	1.670	1.976
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	4132	826.4	Open	24.22	25.00	1.197	-	-	0.04	1.690	2.022
78	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	4233	846.6	Open	24.18	25.00	1.208	-	-	0.01	1.760	2.126
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI6	4182	836.4	Open	24.27	25.00	1.183	-	-	0.09	0.770	0.911
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	8mm	Ant 1	DSI4	4182	836.4	Open	24.27	25.00	1.183	-	-	0.07	0.513	0.607
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	8mm	Ant 1	DSI4	4182	836.4	Open	24.27	25.00	1.183	-	-	0.05	0.507	0.600
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	13mm	Ant 1	DSI4	4182	836.4	Open	24.27	25.00	1.183	-	-	-0.17	0.333	0.394
79	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26865	831.5	Open	22.39	23.60	1.321	-	-	-0.16	2.420	3.198
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	0mm	Ant 0	DSI6	26865	831.5	Open	22.26	23.60	1.361	-	-	-0.13	2.180	2.968
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	0mm	Ant 0	DSI6	26865	831.5	Open	22.18	23.60	1.387	-	-	0.06	2.220	3.079
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	11mm	Ant 0	DSI4	26865	831.5	Open	22.39	24.00	1.449	-	-	-0.03	0.170	0.246
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	166300	831.5	Open	23.17	24.00	1.211	-	-	-0.01	1.100	1.332
80	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	166300	831.5	Open	23.15	24.00	1.216	-	-	-0.03	1.140	1.386
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI6	166300	831.5	Open	23.17	24.00	1.211	-	-	0.06	0.489	0.592
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI6	166300	831.5	Open	23.15	24.00	1.216	-	-	0.18	0.481	0.585
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	8mm	Ant 1	DSI4	166300	831.5	Open	23.17	24.00	1.211	-	-	-0.05	0.371	0.449
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	13mm	Ant 1	DSI4	166300	831.5	Open	23.17	24.00	1.211	-	-	0.05	0.232	0.281
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	1413	1732.6	Open	22.75	23.70	1.245	-	-	0.02	1.900	2.365
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	1312	1712.4	Open	22.67	23.70	1.268	-	-	-0.09	1.910	2.421
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	1513	1752.6	Open	22.61	23.70	1.285	-	-	0.16	1.980	2.545
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	1413	1732.6	Open	22.75	23.70	1.245	-	-	0.17	2.360	2.937
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	1312	1712.4	Open	22.67	23.70	1.268	-	-	-0.18	2.400	3.042



Table with columns for test parameters (e.g., WCDMA IV, LTE Band 66), modulation (QPSK), power (20M), and SAR results (e.g., 3.265, 3.317).



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Report No. : FA340401

Table with 21 columns: LTE Band, Modulation, Power, Duty Cycle, SAR, Frequency, Location, Antenna, Model, Power, Frequency, SAR, SAR, SAR, SAR, SAR, SAR, SAR, SAR, SAR, SAR. Contains 100 rows of test data.



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	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	DSI6	512	1850.2	Open	24.22	25.90	1.472	-	-	0.03	1.540	2.267
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	DSI6	810	1909.8	Open	24.21	25.90	1.476	-	-	0.17	0.949	1.400
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Left Side	0mm	Ant 1	DSI6	661	1880	Open	24.25	25.90	1.462	-	-	0.02	0.540	0.790
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	8mm	Ant 1	DSI4	661	1880	Open	25.06	26.00	1.242	-	-	0.05	0.640	0.795
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	8mm	Ant 1	DSI4	661	1880	Open	25.06	26.00	1.242	-	-	0.13	0.548	0.680
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Left Side	13mm	Ant 1	DSI4	661	1880	Open	25.06	26.00	1.242	-	-	-0.07	0.594	0.738
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Top Side	0mm	Ant 3	DSI6	661	1880	Open	24.51	25.50	1.256	-	-	0.08	1.960	2.462
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Top Side	0mm	Ant 3	DSI6	512	1850.2	Open	24.15	25.50	1.365	-	-	0.09	1.790	2.443
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Top Side	0mm	Ant 3	DSI6	810	1909.8	Open	24.18	25.50	1.355	-	-	-0.04	1.650	2.236
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Top Side	9mm	Ant 3	DSI4	661	1880	Open	27.47	28.50	1.268	-	-	0.06	0.630	0.799
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	9400	1880	Open	22.79	23.90	1.291	-	-	0.02	1.580	2.040
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	9262	1852.4	Open	22.72	23.90	1.312	-	-	0.03	1.640	2.152
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	9538	1907.6	Open	22.65	23.90	1.334	-	-	0.18	1.810	2.414
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	9400	1880	Open	22.79	23.90	1.291	-	-	-0.06	1.990	2.570
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	9400	1880	Open	22.79	23.90	1.291	-	-	-0.15	2.040	2.634
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	9400	1880	Open	22.79	23.90	1.291	-	-	0.08	2.150	2.776
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	9400	1880	Open	22.79	23.90	1.291	-	-	0.14	2.320	2.996
85	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	9262	1852.4	Open	22.72	23.90	1.312	-	-	0.01	2.440	3.202
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	9538	1907.6	Open	22.65	23.90	1.334	-	-	0.05	2.390	3.187
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	DSI4	9400	1880	Open	22.79	24.00	1.321	-	-	0.04	0.309	0.408
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	6mm	Ant 0	DSI4	9400	1880	Open	22.79	24.00	1.321	-	-	-0.12	0.404	0.534
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	11mm	Ant 0	DSI4	9400	1880	Open	22.79	24.00	1.321	-	-	-0.12	0.336	0.444
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI6	9400	1880	Open	19.51	20.80	1.346	-	-	0.17	1.780	2.396
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI6	9262	1852.4	Open	19.50	20.80	1.349	-	-	0.05	1.290	1.740
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI6	9538	1907.6	Open	19.43	20.80	1.371	-	-	0.07	1.430	1.960
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	9400	1880	Open	19.51	20.80	1.346	-	-	0.05	1.850	2.490
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	9262	1852.4	Open	19.50	20.80	1.349	-	-	0.03	1.740	2.347
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	9538	1907.6	Open	19.43	20.80	1.371	-	-	-0.04	1.610	2.207
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI6	9400	1880	Open	19.51	20.80	1.346	-	-	-0.08	0.750	1.009
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	8mm	Ant 1	DSI4	9400	1880	Open	22.41	24.00	1.442	-	-	0.07	0.641	0.924
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	8mm	Ant 1	DSI4	9400	1880	Open	22.41	24.00	1.442	-	-	0.18	0.832	1.200
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	13mm	Ant 1	DSI4	9400	1880	Open	22.41	24.00	1.442	-	-	0.02	1.020	1.471
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	DSI6	9400	1880	Open	23.13	24.00	1.222	-	-	0.01	1.730	2.114
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	DSI6	9262	1852.4	Open	23.07	24.00	1.239	-	-	0.18	1.810	2.242
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	DSI6	9538	1907.6	Open	22.98	24.00	1.265	-	-	-0.16	1.710	2.163
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI6	9400	1880	Open	23.13	24.00	1.222	-	-	-0.16	2.020	2.468
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI6	9262	1852.4	Open	23.07	24.00	1.239	-	-	0.01	2.180	2.701
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DSI6	9538	1907.6	Open	22.98	24.00	1.265	-	-	0.05	2.130	2.694
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 2	DSI6	9400	1880	Open	23.13	24.00	1.222	-	-	-0.09	1.630	1.992
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	7mm	Ant 2	DSI4	9400	1880	Open	23.13	24.00	1.222	-	-	0.03	0.460	0.562
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	8mm	Ant 2	DSI4	9400	1880	Open	23.13	24.00	1.222	-	-	-0.01	0.395	0.483
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	7mm	Ant 2	DSI4	9400	1880	Open	23.13	24.00	1.222	-	-	0.07	0.410	0.501
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 3	DSI6	9400	1880	Open	21.83	23.20	1.371	-	-	0.07	1.570	2.152
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 3	DSI6	9262	1852.4	Open	21.77	23.20	1.390	-	-	0.17	1.590	2.210
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 3	DSI6	9538	1907.6	Open	21.78	23.20	1.387	-	-	-0.1	1.770	2.455
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DSI6	9400	1880	Open	21.83	23.20	1.371	-	-	0.14	1.240	1.700
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6	9400	1880	Open	21.83	23.20	1.371	-	-	0.05	1.790	2.454
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6	9262	1852.4	Open	21.77	23.20	1.390	-	-	-0.11	1.778	2.471
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6	9538	1907.6	Open	21.78	23.20	1.387	-	-	0.19	1.560	2.163
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 3	DSI4	9400	1880	Open	23.95	25.00	1.274	-	-	-0.07	0.297	0.378
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	4mm	Ant 3	DSI4	9400	1880	Open	23.95	25.00	1.274	-	-	0.01	0.533	0.679
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	9mm	Ant 3	DSI4	9400	1880	Open	23.95	25.00	1.274	-	-	0.14	0.439	0.559
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	26340	1880	Open	21.42	22.50	1.282	-	-	0.18	1.850	2.372
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	26140	1860	Open	21.40	22.50	1.288	-	-	0.05	1.890	2.435
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	26590	1905	Open	21.25	22.50	1.334	-	-	-0.02	2.080	2.774
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI6	26340	1880	Open	21.31	22.50	1.315	-	-	0.06	1.530	2.012



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	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI6	26140	1860	Open	21.02	22.50	1.406	-	-	-0.05	1.660	2.334
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI6	26590	1905	Open	21.19	22.50	1.352	-	-	0.01	1.820	2.461
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 0	DSI6	26340	1880	Open	21.16	22.50	1.361	-	-	-0.18	1.540	2.097
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	26340	1880	Open	21.42	22.50	1.282	-	-	0.17	2.210	2.834
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	26140	1860	Open	21.40	22.50	1.288	-	-	-0.1	2.290	2.950
86	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	26590	1905	Open	21.25	22.50	1.334	-	-	0.02	2.460	3.280
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI6	26340	1880	Open	21.31	22.50	1.315	-	-	-0.14	1.810	2.381
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI6	26140	1860	Open	21.02	22.50	1.406	-	-	-0.1	2.000	2.812
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI6	26590	1905	Open	21.19	22.50	1.352	-	-	0.04	2.120	2.866
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI6	26340	1880	Open	21.16	22.50	1.361	-	-	0.02	1.810	2.464
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26340	1880	Open	21.42	22.50	1.282	-	-	0.18	2.150	2.757
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26140	1860	Open	21.40	22.50	1.288	-	-	0.06	2.270	2.924
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26590	1905	Open	21.25	22.50	1.334	-	-	0.04	2.380	3.174
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	26340	1880	Open	21.31	22.50	1.315	-	-	0.11	1.890	2.486
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	26140	1860	Open	21.02	22.50	1.406	-	-	0.09	2.020	2.840
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	26590	1905	Open	21.19	22.50	1.352	-	-	0.14	2.140	2.893
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI6	26340	1880	Open	21.16	22.50	1.361	-	-	-0.08	1.950	2.655
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	18900	1880	Open	23.23	24.00	1.194	-	-	-0.01	2.380	2.842
	LTE Band 25	20M	QPSK	1	0	-	Front	9mm	Ant 0	DSI4	26340	1880	Open	21.42	23.00	1.439	-	-	0.04	0.117	0.168
	LTE Band 25	20M	QPSK	1	0	-	Back	6mm	Ant 0	DSI4	26340	1880	Open	21.42	23.00	1.439	-	-	-0.17	0.285	0.410
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	11mm	Ant 0	DSI4	26340	1880	Open	21.42	23.00	1.439	-	-	0.16	0.102	0.147
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI6	26340	1880	Open	19.96	21.10	1.300	-	-	0.02	1.570	2.041
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI6	26140	1860	Open	19.87	21.10	1.327	-	-	-0.07	1.900	2.522
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI6	26590	1905	Open	19.92	21.10	1.312	-	-	0.02	1.456	1.911
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI6	26340	1880	Open	19.95	21.10	1.303	-	-	-0.14	1.366	1.780
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 1	DSI6	26340	1880	Open	19.92	21.10	1.312	-	-	-0.09	1.361	1.786
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	26340	1880	Open	19.96	21.10	1.300	-	-	0.03	0.885	1.151
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	26340	1880	Open	19.95	21.10	1.303	-	-	0.05	1.094	1.426
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI6	26340	1880	Open	19.96	21.10	1.300	-	-	0.08	1.530	1.989
	LTE Band 25	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	DSI6	26340	1880	Open	19.95	21.10	1.303	-	-	0.1	1.124	1.465
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI6	18900	1880	Open	21.72	22.80	1.282	-	-	0.09	1.660	2.129
	LTE Band 25	20M	QPSK	1	0	-	Front	8mm	Ant 1	DSI4	26340	1880	Open	20.95	22.00	1.274	-	-	0.11	0.410	0.522
	LTE Band 25	20M	QPSK	1	0	-	Back	8mm	Ant 1	DSI4	26340	1880	Open	20.95	22.00	1.274	-	-	0.18	0.296	0.377
	LTE Band 25	20M	QPSK	1	0	-	Left Side	13mm	Ant 1	DSI4	26340	1880	Open	20.95	22.00	1.274	-	-	0.08	0.430	0.548
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI6	26340	1880	Open	21.62	23.00	1.374	-	-	0.01	1.150	1.580
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI6	26340	1880	Open	21.58	23.00	1.387	-	-	0.09	1.160	1.609
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	26340	1880	Open	21.62	23.00	1.374	-	-	-0.08	1.490	2.047
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	26140	1860	Open	21.59	23.00	1.384	-	-	-0.14	1.660	2.297
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	26590	1905	Open	21.44	23.00	1.432	-	-	-0.05	1.490	2.134
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	26340	1880	Open	21.58	23.00	1.387	-	-	0.07	1.450	2.011
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	26140	1860	Open	21.32	23.00	1.472	-	-	0.01	1.430	2.105
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	26590	1905	Open	21.32	23.00	1.472	-	-	0.02	1.520	2.238
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI6	26340	1880	Open	21.48	23.00	1.419	-	-	-0.02	1.400	1.987
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 2	DSI6	26340	1880	Open	21.62	23.00	1.374	-	-	-0.01	0.961	1.320
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 2	DSI6	26340	1880	Open	21.58	23.00	1.387	-	-	0.01	0.954	1.323
	LTE Band 2 Other PA	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	18900	1880	Open	20.82	21.00	1.042	-	-	0.06	1.250	1.303
	LTE Band 25	20M	QPSK	1	0	-	Front	7mm	Ant 2	DSI4	26340	1880	Open	21.62	23.00	1.374	-	-	0.07	0.191	0.262
	LTE Band 25	20M	QPSK	1	0	-	Back	8mm	Ant 2	DSI4	26340	1880	Open	21.62	23.00	1.374	-	-	0.02	0.190	0.261
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 2	DSI4	26340	1880	Open	21.62	23.00	1.374	-	-	0.12	0.161	0.221
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	Open	21.21	22.70	1.409	-	-	-0.06	1.730	2.438
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26590	1905	Open	21.07	22.70	1.455	-	-	0.03	1.560	2.271
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26590	1905	Open	21.07	22.70	1.455	-	-	0.05	1.660	2.416
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	Open	21.19	22.70	1.416	-	-	0.02	1.270	1.798
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	26140	1860	Open	21.18	22.70	1.419	-	-	0.05	1.540	2.185
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	26590	1905	Open	20.94	22.70	1.500	-	-	0.04	1.410	2.115
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	Open	21.15	22.70	1.429	-	-	0.03	1.300	1.858



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	LTE Band 2 Other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	18900	1880	Open	20.00	21.50	1.413	-	-	-0.12	1.100	1.554
	LTE Band 25	20M	QPSK	1	0	-	Top Side	9mm	Ant 3	DSI4	26340	1880	Open	22.82	24.00	1.312	-	-	0.07	1.220	1.601
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	376000	1880	Open	24.04	25.00	1.247	-	-	0.03	1.510	1.884
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	376000	1880	Open	23.95	25.00	1.274	-	-	-0.01	1.540	1.961
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	376000	1880	Open	24.04	25.00	1.247	-	-	0.02	1.870	2.333
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	372000	1860	Open	23.98	25.00	1.265	-	-	0.01	1.860	2.352
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	380000	1900	Open	23.95	25.00	1.274	-	-	0.15	1.790	2.280
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	376000	1880	Open	23.95	25.00	1.274	-	-	0.18	2.010	2.560
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	372000	1860	Open	23.87	25.00	1.297	-	-	0.01	2.040	2.646
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	380000	1900	Open	23.82	25.00	1.312	-	-	0.15	2.160	2.834
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	376000	1880	Open	23.94	25.00	1.276	-	-	-0.18	2.300	2.936
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376000	1880	Open	24.04	25.00	1.247	-	-	0.08	2.300	2.869
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	372000	1860	Open	23.98	25.00	1.265	-	-	-0.13	2.400	3.035
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	380000	1900	Open	23.95	25.00	1.274	-	-	-0.08	2.240	2.853
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376000	1880	Open	23.95	25.00	1.274	-	-	0.05	2.390	3.044
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	372000	1860	Open	23.87	25.00	1.297	-	-	0.06	2.390	3.100
87	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	380000	1900	Open	23.82	25.00	1.312	-	-	-0.01	2.540	3.333
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376000	1880	Open	23.94	25.00	1.276	-	-	-0.09	2.240	2.859
	FR1 n2 Main PA	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	380000	1900	Open	21.74	23.00	1.337	-	-	0.06	1.730	2.312
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	9mm	Ant 0	DSI4	376000	1880	Open	24.04	25.00	1.247	-	-	0.01	0.761	0.949
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	6mm	Ant 0	DSI4	376000	1880	Open	24.04	25.00	1.247	-	-	0.15	0.761	0.949
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	11mm	Ant 0	DSI4	376000	1880	Open	24.04	25.00	1.247	-	-	-0.18	0.373	0.465
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	376000	1880	Open	21.17	22.20	1.268	-	-	-0.12	1.907	2.417
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	372000	1860	Open	21.08	22.20	1.294	-	-	0.09	1.726	2.234
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	380000	1900	Open	21.07	22.20	1.297	-	-	-0.07	1.567	2.033
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	376000	1880	Open	21.15	22.20	1.274	-	-	0.09	1.792	2.282
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	372000	1860	Open	20.92	22.20	1.343	-	-	0.02	1.940	2.605
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	380000	1900	Open	21.01	22.20	1.315	-	-	0.07	1.474	1.939
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	376000	1880	Open	21.08	22.20	1.294	-	-	0.03	1.798	2.327
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	376000	1880	Open	21.17	22.20	1.268	-	-	0.02	1.858	2.355
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	372000	1860	Open	21.08	22.20	1.294	-	-	0.19	1.650	2.135
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	380000	1900	Open	21.07	22.20	1.297	-	-	-0.08	1.726	2.239
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	376000	1880	Open	21.15	22.20	1.274	-	-	-0.06	1.863	2.373
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	372000	1860	Open	20.92	22.20	1.343	-	-	0.06	1.836	2.465
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	380000	1900	Open	21.01	22.20	1.315	-	-	0.13	1.644	2.162
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	376000	1880	Open	21.08	22.20	1.294	-	-	0.01	1.863	2.411
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI6	376000	1880	Open	21.17	22.20	1.268	-	-	-0.11	0.674	0.854
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI6	376000	1880	Open	21.15	22.20	1.274	-	-	0.18	0.663	0.844
	FR1 n2 Main PA	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI6	372000	1860	Open	18.96	20.20	1.330	-	-	0.03	1.200	1.597
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	8mm	Ant 1	DSI4	376000	1880	Open	23.66	25.00	1.361	-	-	0.07	0.442	0.602
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	8mm	Ant 1	DSI4	376000	1880	Open	23.66	25.00	1.361	-	-	0.17	0.909	1.238
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	13mm	Ant 1	DSI4	376000	1880	Open	23.66	25.00	1.361	-	-	0.03	1.080	1.470
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 2	DSI6	376000	1880	Open	21.40	23.00	1.445	-	-	0.08	0.834	1.205
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 2	DSI6	376000	1880	Open	21.32	23.00	1.472	-	-	-0.19	0.884	1.302
	FR1 n2 Main PA	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 2	DSI6	376000	1880	Open	22.29	23.00	1.178	-	-	0.04	0.595	0.701
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 2	DSI4	376000	1880	Open	21.40	23.00	1.445	-	-	0.05	0.228	0.330
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	376000	1880	Open	21.81	22.80	1.256	-	-	-0.03	1.620	2.035
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	372000	1860	Open	21.76	22.80	1.271	-	-	0.03	1.834	2.330
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	380000	1900	Open	21.75	22.80	1.274	-	-	0.03	1.794	2.285
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	376000	1880	Open	21.78	22.80	1.265	-	-	0.09	1.747	2.209
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	372000	1860	Open	21.64	22.80	1.306	-	-	0.04	0.925	1.208
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	380000	1900	Open	21.49	22.80	1.352	-	-	-0.19	1.778	2.404
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI6	376000	1880	Open	21.75	22.80	1.274	-	-	0.05	1.920	2.445
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6	376000	1880	Open	21.81	22.80	1.256	-	-	0.07	1.802	2.263
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6	376000	1880	Open	21.81	22.80	1.256	-	-	-0.18	1.810	2.273
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6	376000	1880	Open	21.81	22.80	1.256	-	-	-0.16	1.573	1.976



Table with columns for test parameters (FR1 n2, 20M, QPSK, etc.) and SAR results. Includes a sub-section for 2600MHz with various LTE Band 7 configurations. A cell with value 3.220 is highlighted in yellow.



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Table with columns: LTE Band, Power, Modulation, Channels, Frequency, Location, Distance, Antenna, Power Spectral Density, Power, SAR, etc. Row 89 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA340401

Table with columns: LTE Band, Modulation, Power, Frequency, Bandwidth, Location, Distance, Antenna, Frequency Range, Power Spectral Density, Power Flux Density, SAR, etc.



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Table with columns for Band, Power, Modulation, etc. Includes rows for LTE Bands 41 and FR1 n7/n41 with various antenna configurations and SAR values. Two cells are highlighted in yellow: 3.164 and 3.141.



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Table with columns for device model (FR1 n41, LTE Band 42, etc.), power, modulation, frequency, time, distance, antenna, SAR values, and test conditions. Includes a 3500MHz section and two rows with highlighted values (2.461 and 2.643).



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	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI6	656000	3840	Open	21.24	23.00	1.500	-	-	-0.08	1.510	2.265
	FR1 n77 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI6	656000	3840	Open	23.66	25.00	1.361	-	-	0.1	1.350	1.838
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	656000	3840	Open	20.23	21.10	1.222	-	-	0.07	1.580	1.930
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	656000	3840	Open	20.20	21.10	1.230	-	-	-0.02	1.510	1.858
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	656000	3840	Open	20.23	21.10	1.222	-	-	0.02	1.080	1.320
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	656000	3840	Open	20.20	21.10	1.230	-	-	0.06	0.944	1.161
94	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	Open	20.23	21.10	1.222	-	-	-0.08	2.030	2.480
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	Open	20.20	21.10	1.230	-	-	-0.13	1.900	2.338
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	Open	20.17	21.10	1.239	-	-	0.03	1.850	2.292
	FR1 n77 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	Open	22.95	24.10	1.303	50	1.000	0.08	1.860	2.424
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	9mm	Ant 3	DSI4	656000	3840	Open	23.71	24.00	1.069	-	-	0.02	0.478	0.511
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	4mm	Ant 3	DSI4	656000	3840	Open	23.71	24.00	1.069	-	-	0.08	0.991	1.059
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 3	DSI4	656000	3840	Open	23.71	24.00	1.069	-	-	-0.06	1.090	1.165
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI6	656000	3840	Open	22.09	23.00	1.233	-	-	0.06	1.880	2.318
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI6	656000	3840	Open	22.09	23.00	1.233	50	1.000	-0.03	2.010	2.479
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI6	656000	3840	Open	21.96	23.00	1.271	-	-	0.03	1.880	2.389
	FR1 n77 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	DSI6	656000	3840	Open	25.02	26.00	1.253	-	-	0.03	1.900	2.381
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	11mm	Ant 5	DSI4	656000	3840	Open	23.58	24.00	1.102	-	-	0.02	0.275	0.303



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Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scalling Factor	Duty Cycle %	Duty Cycle Scalling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
2450MHz																		
95	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+6(6)	Standalone	1	2412	Open	21.13	22.50	1.371	100	1.000	0.13	1.860	2.550	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+6(6)	DBS only	1	2412	Open	19.66	21.00	1.361	100	1.000	0.13	1.310	1.783	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6(6)	DBS only	1	2412	Open	19.66	21.00	1.361	100	1.000	0.05	1.170	1.593	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+6(6)	DBS only	1	2412	Open	19.66	21.00	1.361	100	1.000	0.07	0.909	1.238	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+6(6)	non DBS	1	2412	Open	17.17	18.50	1.358	100	1.000	0.05	0.720	0.978	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6(6)	non DBS	1	2412	Open	17.17	18.50	1.358	100	1.000	0.1	0.457	0.621	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+6(6)	non DBS	1	2412	Open	17.17	18.50	1.358	100	1.000	0.05	0.399	0.542	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+6(6)	DBS	1	2412	Open	14.16	15.50	1.361	100	1.000	0.05	0.345	0.470	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6(6)	DBS	1	2412	Open	14.16	15.50	1.361	100	1.000	0.01	0.134	0.182	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+6(6)	DBS	1	2412	Open	14.16	15.50	1.361	100	1.000	-0.06	0.089	0.121	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+6(4)	Standalone	11	2462	Open	21.57	23.00	1.390	100	1.000	0.04	1.790	2.488	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6(6)	Standalone	1	2412	Open	21.13	22.50	1.371	100	1.000	-0.16	1.800	2.468	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6(6)	Standalone	11	2462	Open	21.11	22.50	1.377	100	1.000	0.03	1.680	2.314	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+6(6)	Standalone	1	2412	Open	21.13	22.50	1.371	100	1.000	-0.04	1.290	1.768	
	WLAN2.4GHz	802.11b 1Mbps	Front	8mm	Ant 4+6(6)	Full Power	1	2412	Open	21.13	22.50	1.371	100	1.000	0.13	0.537	0.736	
	WLAN2.4GHz	802.11b 1Mbps	Back	9mm	Ant 4+6(6)	Full Power	1	2412	Open	21.13	22.50	1.371	100	1.000	0.05	0.545	0.747	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	11mm	Ant 4+6(6)	Full Power	1	2412	Open	21.13	22.50	1.371	100	1.000	0.07	0.145	0.199	
5000MHz																		
96	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+4(4)	Standalone&DBS only	46	5230	Open	18.95	20.50	1.429	100	1.000	0.06	0.965	1.379	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+4(5)	non DBS	46	5230	Open	18.09	19.50	1.384	100	1.000	0.03	0.692	0.957	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+4(5)	non DBS	46	5230	Open	18.09	19.50	1.384	100	1.000	0.05	0.391	0.541	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(5)	DBS	42	5210	Open	15.11	16.50	1.377	100	1.000	0.01	0.355	0.489	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(5)	DBS	42	5210	Open	15.11	16.50	1.377	100	1.000	0.08	0.200	0.275	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+4(4)	Standalone&DBS only	46	5230	Open	18.95	20.50	1.429	100	1.000	0.07	0.545	0.779	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	11mm	Ant 5+4(5)	Full Power	42	5210	Open	19.48	21.00	1.419	100	1.000	0.03	0.102	0.145	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	11mm	Ant 5+4(5)	Full Power	42	5210	Open	19.48	21.00	1.419	100	1.000	0.05	0.075	0.106	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+4(4)	Standalone&DBS only	54	5270	Open	19.16	21.00	1.528	100	1.000	-0.03	0.390	0.596	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+4(4)	Standalone&DBS only	54	5270	Open	19.16	21.00	1.528	100	1.000	0.17	0.908	1.387	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+4(4)	Standalone&DBS only	54	5270	Open	19.16	21.00	1.528	100	1.000	0.02	0.872	1.332	
97	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+4(4)	Standalone&DBS only	54	5270	Open	19.16	21.00	1.528	100	1.000	-0.01	1.130	1.726	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(4)	non DBS	58	5290	Open	15.80	17.50	1.479	100	1.000	0.01	0.208	0.308	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(4)	non DBS	58	5290	Open	15.80	17.50	1.479	100	1.000	0.08	0.384	0.568	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+4(4)	non DBS	58	5290	Open	15.80	17.50	1.479	100	1.000	-0.02	0.465	0.688	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(4)	non DBS	58	5290	Open	15.80	17.50	1.479	100	1.000	0.01	0.602	0.890	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(4)	non DBS	58	5290	Open	15.80	17.50	1.479	100	1.000	0.06	0.265	0.392	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(4)	DBS	58	5290	Open	12.89	14.50	1.449	100	1.000	0.02	0.107	0.155	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(4)	DBS	58	5290	Open	12.89	14.50	1.449	100	1.000	-0.03	0.250	0.362	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+4(4)	DBS	58	5290	Open	12.89	14.50	1.449	100	1.000	-0.05	0.240	0.348	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(4)	DBS	58	5290	Open	12.89	14.50	1.449	100	1.000	0.1	0.311	0.451	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(4)	DBS	58	5290	Open	12.89	14.50	1.449	100	1.000	0.02	0.137	0.198	
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+4(4)	Standalone&DBS only	54	5270	Open	19.16	21.00	1.528	100	1.000	0.17	0.498	0.761	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	8mm	Ant 5+4(4)	Full Power	54	5270	Open	19.16	21.00	1.528	100	1.000	0.02	0.114	0.174	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	9mm	Ant 5+4(4)	Full Power	54	5270	Open	19.16	21.00	1.528	100	1.000	-0.03	0.083	0.127	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 5+4(4)	Full Power	54	5270	Open	19.16	21.00	1.528	100	1.000	-0.05	0.075	0.115	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	11mm	Ant 5+4(4)	Full Power	54	5270	Open	19.16	21.00	1.528	100	1.000	0.1	0.109	0.167	
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	11mm	Ant 5+4(4)	Full Power	54	5270	Open	19.16	21.00	1.528	100	1.000	0.02	0.064	0.098	
98	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(5)	Standalone	138	5690	Open	19.86	21.50	1.459	100	1.000	0.01	1.670	2.436	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(5)	DBS only	138	5690	Open	18.25	20.00	1.496	100	1.000	0.07	1.160	1.736	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(5)	DBS only	138	5690	Open	18.25	20.00	1.496	100	1.000	-0.03	0.624	0.934	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+4(5)	DBS only	138	5690	Open	18.25	20.00	1.496	100	1.000	0.05	0.326	0.488	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(5)	DBS only	138	5690	Open	18.25	20.00	1.496	100	1.000	0.01	0.903	1.351	



	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(5)	DBS only	138	5690	Open	18.25	20.00	1.496	100	1.000	0.08	0.896	1.341
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(5)	non DBS	138	5690	Open	14.73	16.50	1.503	100	1.000	0.05	0.562	0.845
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(5)	non DBS	138	5690	Open	14.73	16.50	1.503	100	1.000	0.02	0.303	0.455
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+4(5)	non DBS	138	5690	Open	14.73	16.50	1.503	100	1.000	0.07	0.158	0.237
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(5)	non DBS	138	5690	Open	14.73	16.50	1.503	100	1.000	0.03	0.437	0.657
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(5)	non DBS	138	5690	Open	14.73	16.50	1.503	100	1.000	0.09	0.434	0.652
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(5)	DBS	138	5690	Open	11.78	13.50	1.486	100	1.000	0.12	0.290	0.431
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(5)	DBS	138	5690	Open	11.78	13.50	1.486	100	1.000	0.05	0.156	0.232
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+4(5)	DBS	138	5690	Open	11.78	13.50	1.486	100	1.000	-0.03	0.081	0.120
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(5)	DBS	138	5690	Open	11.78	13.50	1.486	100	1.000	0.02	0.226	0.336
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(5)	DBS	138	5690	Open	11.78	13.50	1.486	100	1.000	0.01	0.224	0.333
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(4)	Standalone	122	5610	Open	18.84	20.50	1.466	100	1.000	-0.1	1.440	2.110
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(5)	Standalone	138	5690	Open	19.86	21.50	1.459	100	1.000	0.07	0.899	1.311
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+4(5)	Standalone	138	5690	Open	19.86	21.50	1.459	100	1.000	0.19	0.469	0.684
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(5)	Standalone	138	5690	Open	19.86	21.50	1.459	100	1.000	-0.13	1.300	1.896
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(5)	Standalone	138	5690	Open	19.86	21.50	1.459	100	1.000	0.17	1.290	1.882
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	8mm	Ant 5+4(5)	Full Power	138	5690	Open	19.86	21.50	1.459	100	1.000	0.12	0.132	0.193
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	9mm	Ant 5+4(5)	Full Power	138	5690	Open	19.86	21.50	1.459	100	1.000	0.05	0.102	0.149
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 5+4(5)	Full Power	138	5690	Open	19.86	21.50	1.459	100	1.000	-0.03	0.095	0.139
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	11mm	Ant 5+4(5)	Full Power	138	5690	Open	19.86	21.50	1.459	100	1.000	0.02	0.128	0.187
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	11mm	Ant 5+4(5)	Full Power	138	5690	Open	19.86	21.50	1.459	100	1.000	0.01	0.075	0.109
99	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(5)	Standalone	155	5775	Open	19.62	21.00	1.374	100	1.000	0.01	1.940	2.666
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(4)	DBS only	155	5775	Open	16.72	18.00	1.343	100	1.000	0.02	1.230	1.652
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(4)	DBS only	155	5775	Open	16.72	18.00	1.343	100	1.000	0.07	0.786	1.055
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(4)	DBS only	155	5775	Open	16.72	18.00	1.343	100	1.000	0.03	1.103	1.481
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(4)	DBS only	155	5775	Open	16.72	18.00	1.343	100	1.000	0.03	0.831	1.116
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(4)	non DBS	155	5775	Open	13.93	15.50	1.435	100	1.000	0.03	0.690	0.990
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(4)	non DBS	155	5775	Open	13.93	15.50	1.435	100	1.000	-0.02	0.421	0.604
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(4)	non DBS	155	5775	Open	13.93	15.50	1.435	100	1.000	0.05	0.619	0.889
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(4)	non DBS	155	5775	Open	13.93	15.50	1.435	100	1.000	0.08	0.466	0.669
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4(4)	DBS	155	5775	Open	11.00	12.50	1.413	100	1.000	0.01	0.342	0.483
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(4)	DBS	155	5775	Open	11.00	12.50	1.413	100	1.000	0.02	0.219	0.309
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(4)	DBS	155	5775	Open	11.00	12.50	1.413	100	1.000	-0.03	0.307	0.434
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(4)	DBS	155	5775	Open	11.00	12.50	1.413	100	1.000	0.07	0.231	0.326
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4(5)	Standalone	155	5775	Open	19.62	21.00	1.374	100	1.000	0.05	1.240	1.704
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4(5)	Standalone	155	5775	Open	19.62	21.00	1.374	100	1.000	-0.09	1.740	2.391
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4(5)	Standalone	155	5775	Open	19.62	21.00	1.374	100	1.000	0.02	1.310	1.800
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	8mm	Ant 5+4(4)	Full Power	155	5775	Open	19.62	21.00	1.374	100	1.000	0.02	0.152	0.209
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	9mm	Ant 5+4(4)	Full Power	155	5775	Open	19.62	21.00	1.374	100	1.000	0.07	0.112	0.154
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	11mm	Ant 5+4(4)	Full Power	155	5775	Open	19.62	21.00	1.374	100	1.000	0.03	0.134	0.184
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	11mm	Ant 5+4(4)	Full Power	155	5775	Open	19.62	21.00	1.374	100	1.000	0.03	0.105	0.144



16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DS13	4233	846.6	Open	24.16	25.00	1.213	-	-	-0.03	1.090	1	1.323
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DS13	4233	846.6	Open	24.16	25.00	1.213	-	-	0.02	0.983	1.109	1.193
1st	WLAN5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4(4)	Standalone	155	5775	Open	16.91	18.50	1.442	100	1.000	-0.07	0.829	1	1.196
2nd	WLAN5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4(4)	Standalone	155	5775	Open	16.91	18.50	1.442	100	1.000	0.04	0.796	1.041	1.148
1st	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS19	23230	782	Open	22.32	23.80	1.406	-	-	-0.03	0.922	1	1.296
2nd	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS19	23230	782	Open	22.32	23.80	1.406	-	-	0.01	0.897	1.028	1.261
1st	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS19	132572	1770	Open	19.61	20.60	1.256	-	-	0.07	1.080	1	1.357
2nd	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS19	132572	1770	Open	19.61	20.60	1.256	-	-	0.04	0.983	1.099	1.235
1st	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 2	DS19	26140	1860	Open	20.84	21.70	1.219	-	-	-0.05	1.100	1	1.341
2nd	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 2	DS19	26140	1860	Open	20.84	21.70	1.219	-	-	0.03	0.978	1.125	1.192
1st	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	DS19	518598	2592.99	Open	19.89	20.40	1.125	-	-	-0.03	1.130	1	1.271
2nd	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	DS19	518598	2592.99	Open	19.89	20.40	1.125	-	-	0.04	0.968	1.167	1.089
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	DS19	656000	3840	Open	21.56	23.00	1.393	-	-	-0.07	0.842	1	1.173
2nd	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	DS19	656000	3840	Open	21.56	23.00	1.393	-	-	0.03	0.817	1.031	1.138
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	5mm	Ant 4+6(4)	Standalone	6	2437	Open	19.12	20.50	1.374	100	1.000	0.06	0.984	1	1.352
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	5mm	Ant 4+6(4)	Standalone	6	2437	Open	19.12	20.50	1.374	100	1.000	0.02	0.936	1.051	1.286

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DS16	23095	707.5	Open	22.37	23.60	1.327	-	-	0.06	2.400	1	3.186
2nd	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DS16	23095	707.5	Open	22.37	23.60	1.327	-	-	0.01	2.260	1.062	3.000
1st	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DS16	26865	831.5	Open	22.39	23.60	1.321	-	-	-0.16	2.420	1	3.198
2nd	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DS16	26865	831.5	Open	22.39	23.60	1.321	-	-	0.06	2.190	1.105	2.894
1st	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DS16	349000	1745	Open	23.60	25.00	1.380	-	-	0.08	2.570	1	3.548
2nd	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DS16	349000	1745	Open	23.60	25.00	1.380	-	-	0.02	2.280	1.127	3.147
1st	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DS16	380000	1900	Open	23.82	25.00	1.312	-	-	-0.01	2.540	1	3.333
2nd	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DS16	380000	1900	Open	23.82	25.00	1.312	-	-	0.03	2.370	1.072	3.110
1st	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DS16	507000	2535	Open	21.58	22.40	1.208	-	-	-0.01	2.620	1	3.164
2nd	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DS16	507000	2535	Open	21.58	22.40	1.208	-	-	0.05	2.350	1.115	2.838
1st	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	DS16	56640	3690	Open	22.33	23.00	1.167	62.9	1.006	0.13	2.030	1	2.383
2nd	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	DS16	56640	3690	Open	22.33	23.00	1.167	62.9	1.006	0.05	1.870	1.086	2.195
1st	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DS16	656000	3840	Open	20.23	21.10	1.222	-	-	-0.08	2.030	1	2.480
2nd	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DS16	656000	3840	Open	20.23	21.10	1.222	-	-	0.04	1.910	1.063	2.334

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
- Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



16.6 TDD LTE and NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41/5G NR n41/n77. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE B41-Linearity Data for Head Ant0			LTE B41-Linearity Data for Head Ant1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.00	Maximum Tune up Power (dBm)	19.40	21.00
Reported 1g SAR (W/kg)	0.177	0.147	Reported 1g SAR (W/kg)	0.920	0.853
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	136.93	Frame Averaged (mW)	55.13	54.51
Linearity SAR (W/kg)	0.152		Linearity SAR (W/kg)	0.910	
% deviation from expected linearity		-3.56%	% deviation from expected linearity		-6.23%
LTE B41-Linearity Data for Body-worn Ant0 Open			LTE B41-Linearity Data for Body-worn Ant1 Open		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.40	24.00	Maximum Tune up Power (dBm)	22.60	24.20
Reported 1g SAR (W/kg)	1.349	1.238	Reported 1g SAR (W/kg)	0.928	0.851
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	110.00	108.76	Frame Averaged (mW)	115.19	113.89
Linearity SAR (W/kg)	1.334		Linearity SAR (W/kg)	0.918	
% deviation from expected linearity		-7.18%	% deviation from expected linearity		-7.25%
LTE B41-Linearity Data for Body-worn Ant0 Close			LTE B41-Linearity Data for Body-worn Ant1 Close		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	20.60	22.20	Maximum Tune up Power (dBm)	22.70	24.30
Reported 1g SAR (W/kg)	0.936	0.881	Reported 1g SAR (W/kg)	0.927	0.859
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	72.68	71.86	Frame Averaged (mW)	117.87	116.54
Linearity SAR (W/kg)	0.925		Linearity SAR (W/kg)	0.917	
% deviation from expected linearity		-4.80%	% deviation from expected linearity		-6.28%
LTE B41-Linearity Data for Hotspot Ant0 Open			LTE B41-Linearity Data for Hotspot Ant1 Open		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	20.30	21.90	Maximum Tune up Power (dBm)	17.00	18.60
Reported 1g SAR (W/kg)	1.291	1.225	Reported 1g SAR (W/kg)	0.622	0.566
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	67.83	67.06	Frame Averaged (mW)	31.73	31.37
Linearity SAR (W/kg)	1.276		Linearity SAR (W/kg)	0.615	
% deviation from expected linearity		-4.03%	% deviation from expected linearity		-7.97%
LTE B41-Linearity Data for Hotspot Ant0 Close			LTE B41-Linearity Data for Hotspot Ant1 Close		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	16.40	18.00	Maximum Tune up Power (dBm)	17.10	18.70
Reported 1g SAR (W/kg)	0.677	0.612	Reported 1g SAR (W/kg)	0.622	0.562
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	27.63	27.32	Frame Averaged (mW)	32.46	32.10
Linearity SAR (W/kg)	0.669		Linearity SAR (W/kg)	0.615	
% deviation from expected linearity		-8.57%	% deviation from expected linearity		-8.62%
LTE B41-Linearity Data for Extremity Ant0			LTE B41-Linearity Data for Extremity Ant1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.50	25.00	Maximum Tune up Power (dBm)	23.60	25.00
Reported 10g SAR (W/kg)	3.168	2.901	Reported 10g SAR (W/kg)	2.500	2.155



Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	141.71	136.93	Frame Averaged (mW)	145.01	136.93
Linearity SAR (W/kg)	3.061		Linearity SAR (W/kg)	2.361	
% deviation from expected linearity		-5.23%	% deviation from expected linearity		-8.71%
N77-Linearity Data for Head Ant1			N77-Linearity Data for Head Ant2		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	14.10	17.10	Maximum Tune up Power (dBm)	23.00	25.00
Reported 1g SAR (W/kg)	0.456	0.427	Reported 1g SAR (W/kg)	0.291	0.229
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	25.70	25.64	Frame Averaged (mW)	199.53	158.11
Linearity SAR (W/kg)	0.455		Linearity SAR (W/kg)	0.231	
% deviation from expected linearity		-6.14%	% deviation from expected linearity		-0.69%
N77-Linearity Data for Body-worn Ant1 Open			N77-Linearity Data for Body-worn Ant2 Open		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	25.00	Maximum Tune up Power (dBm)	23.00	25.00
Reported 1g SAR (W/kg)	0.876	0.706	Reported 1g SAR (W/kg)	0.992	0.811
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	158.11	Frame Averaged (mW)	199.53	158.11
Linearity SAR (W/kg)	0.694		Linearity SAR (W/kg)	0.786	
% deviation from expected linearity		1.70%	% deviation from expected linearity		3.17%
N77-Linearity Data for Body-worn Ant1 Close			N77-Linearity Data for Body-worn Ant2 Close		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	25.00	Maximum Tune up Power (dBm)	23.00	25.00
Reported 1g SAR (W/kg)	0.938	0.714	Reported 1g SAR (W/kg)	0.964	0.780
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	158.11	Frame Averaged (mW)	199.53	158.11
Linearity SAR (W/kg)	0.743		Linearity SAR (W/kg)	0.764	
% deviation from expected linearity		-3.94%	% deviation from expected linearity		2.11%
N77-Linearity Data for Hotspot Ant1 Open			N77-Linearity Data for Hotspot Ant2 Open		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.60	22.60	Maximum Tune up Power (dBm)	23.00	25.00
Reported 1g SAR (W/kg)	0.616	0.581	Reported 1g SAR (W/kg)	1.173	0.961
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	91.20	90.99	Frame Averaged (mW)	199.53	158.11
Linearity SAR (W/kg)	0.615		Linearity SAR (W/kg)	0.930	
% deviation from expected linearity		-5.46%	% deviation from expected linearity		3.38%
N77-Linearity Data for Hotspot Ant1 Close			N77-Linearity Data for Hotspot Ant2 Close		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	19.50	Maximum Tune up Power (dBm)	19.30	22.30
Reported 1g SAR (W/kg)	0.620	0.576	Reported 1g SAR (W/kg)	0.621	0.602
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56	Frame Averaged (mW)	85.11	84.91
Linearity SAR (W/kg)	0.619		Linearity SAR (W/kg)	0.620	
% deviation from expected linearity		-6.88%	% deviation from expected linearity		-2.83%
N77-Linearity Data for Extremity Ant1					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	23.00	25.00			
Reported 10g SAR (W/kg)	2.265	1.838			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	199.53	158.11			
Linearity SAR (W/kg)	1.795				
% deviation from expected linearity		2.40%			



LTE B41-Linearity Data for Head Ant2			LTE B41-Linearity Data for Head Ant3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.00	Maximum Tune up Power (dBm)	18.30	19.90
Reported 1g SAR (W/kg)	0.095	0.078	Reported 1g SAR (W/kg)	0.963	0.893
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	108.76	Frame Averaged (mW)	42.80	42.31
Linearity SAR (W/kg)	0.082		Linearity SAR (W/kg)	0.952	
% deviation from expected linearity		-4.66%	% deviation from expected linearity		-6.21%
LTE B41-Linearity Data for Body-worn Ant2 Open			LTE B41-Linearity Data for Body-worn Ant3 Open		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.00	Maximum Tune up Power (dBm)	22.80	24.40
Reported 1g SAR (W/kg)	1.315	1.113	Reported 1g SAR (W/kg)	0.982	0.876
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	108.76	Frame Averaged (mW)	120.62	119.26
Linearity SAR (W/kg)	1.132		Linearity SAR (W/kg)	0.971	
% deviation from expected linearity		-1.72%	% deviation from expected linearity		-9.78%
LTE B41-Linearity Data for Body-worn Ant2 Close			LTE B41-Linearity Data for Body-worn Ant3 Close		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.60	24.00	Maximum Tune up Power (dBm)	24.00	25.70
Reported 1g SAR (W/kg)	0.939	0.804	Reported 1g SAR (W/kg)	0.942	0.878
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	115.19	108.76	Frame Averaged (mW)	159.00	160.87
Linearity SAR (W/kg)	0.887		Linearity SAR (W/kg)	0.953	
% deviation from expected linearity		-9.32%	% deviation from expected linearity		-7.88%
LTE B41-Linearity Data for Hotspot Ant2 Open			LTE B41-Linearity Data for Hotspot Ant3 Open		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.60	24.00	Maximum Tune up Power (dBm)	21.10	22.70
Reported 1g SAR (W/kg)	1.309	1.259	Reported 1g SAR (W/kg)	0.622	0.602
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	115.19	108.76	Frame Averaged (mW)	81.55	80.63
Linearity SAR (W/kg)	1.236		Linearity SAR (W/kg)	0.615	
% deviation from expected linearity		1.86%	% deviation from expected linearity		-2.11%
LTE B41-Linearity Data for Hotspot Ant2 Close			LTE B41-Linearity Data for Hotspot Ant3 Close		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	19.80	21.40	Maximum Tune up Power (dBm)	19.80	21.40
Reported 1g SAR (W/kg)	0.626	0.624	Reported 1g SAR (W/kg)	0.661	0.623
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	60.45	59.77	Frame Averaged (mW)	60.45	59.77
Linearity SAR (W/kg)	0.619		Linearity SAR (W/kg)	0.654	
% deviation from expected linearity		0.82%	% deviation from expected linearity		-4.68%
LTE B41-Linearity Data for Extremity Ant2					
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)			
Maximum Tune up Power (dBm)	23.00	24.00			
Reported 10g SAR (W/kg)	3.034	2.482			
Duty Cycle	63.30%	43.30%			
Frame Averaged (mW)	126.30	108.76			
Linearity SAR (W/kg)	2.613				
% deviation from expected linearity		-5.00%			



N77-Linearity Data for Head Ant3			N77-Linearity Data for Head Ant5		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.20	19.20	Maximum Tune up Power (dBm)	19.80	22.80
Reported 1g SAR (W/kg)	0.910	0.880	Reported 1g SAR (W/kg)	0.923	0.901
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	41.69	41.59	Frame Averaged (mW)	95.50	95.27
Linearity SAR (W/kg)	0.908		Linearity SAR (W/kg)	0.921	
% deviation from expected linearity		-3.07%	% deviation from expected linearity		-2.15%
N77-Linearity Data for Body-worn Ant3 Open			N77-Linearity Data for Body-worn Ant5 Open		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00	Maximum Tune up Power (dBm)	23.70	26.70
Reported 1g SAR (W/kg)	0.904	0.889	Reported 1g SAR (W/kg)	0.912	0.863
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24	Frame Averaged (mW)	234.42	233.87
Linearity SAR (W/kg)	0.902		Linearity SAR (W/kg)	0.910	
% deviation from expected linearity		-1.43%	% deviation from expected linearity		-5.15%
N77-Linearity Data for Body-worn Ant3 Close			N77-Linearity Data for Body-worn Ant5 Close		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.90	23.90	Maximum Tune up Power (dBm)	23.70	26.70
Reported 1g SAR (W/kg)	0.911	0.893	Reported 1g SAR (W/kg)	0.923	0.867
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	123.03	122.74	Frame Averaged (mW)	234.42	233.87
Linearity SAR (W/kg)	0.909		Linearity SAR (W/kg)	0.921	
% deviation from expected linearity		-1.74%	% deviation from expected linearity		-5.84%
N77-Linearity Data for Hotspot Ant3 Open			N77-Linearity Data for Hotspot Ant5 Open		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	13.70	16.70	Maximum Tune up Power (dBm)	17.30	20.30
Reported 1g SAR (W/kg)	0.617	0.573	Reported 1g SAR (W/kg)	0.619	0.597
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	23.44	23.39	Frame Averaged (mW)	53.70	53.58
Linearity SAR (W/kg)	0.616		Linearity SAR (W/kg)	0.618	
% deviation from expected linearity		-6.91%	% deviation from expected linearity		-3.33%
N77-Linearity Data for Hotspot Ant3 Close			N77-Linearity Data for Hotspot Ant5 Close		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	14.00	17.00	Maximum Tune up Power (dBm)	18.80	21.80
Reported 1g SAR (W/kg)	0.604	0.589	Reported 1g SAR (W/kg)	0.619	0.578
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	25.12	25.06	Frame Averaged (mW)	75.86	75.68
Linearity SAR (W/kg)	0.603		Linearity SAR (W/kg)	0.618	
% deviation from expected linearity		-2.25%	% deviation from expected linearity		-6.40%
N77-Linearity Data for Extremity Ant3			N77-Linearity Data for Extremity Ant5		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.90	23.90	Maximum Tune up Power (dBm)	23.00	26.00
Reported 10g SAR (W/kg)	2.480	2.424	Reported 10g SAR (W/kg)	2.479	2.381
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	123.03	122.74	Frame Averaged (mW)	199.53	199.05
Linearity SAR (W/kg)	2.474		Linearity SAR (W/kg)	2.473	
% deviation from expected linearity		-2.03%	% deviation from expected linearity		-3.73%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
6.	WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
7.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
11.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
12.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
13.	WWAN + WLAN2.4GHz+NFC				Yes
14.	WWAN + WLAN5GHz+NFC				Yes
15.	WWAN + WLAN6GHz+NFC				Yes
16.	WWAN + Bluetooth+NFC				Yes
17.	WLAN2.4GHz + WLAN5GHz+NFC				Yes
18.	WLAN2.4GHz + WLAN6GHz+NFC				Yes
19.	WLAN5GHz+ Bluetooth+NFC				Yes
20.	WLAN6GHz+ Bluetooth+NFC				Yes
21.	WWAN + WLAN2.4GHz + WLAN5GHz+NFC				Yes
22.	WWAN + WLAN2.4GHz + WLAN6GHz+NFC				Yes
23.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
24.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WLAN 6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- According to the EUT characteristic, two Bluetooth antennas cannot transmit simultaneously with each other.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within all antennas for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within all antennas for



- Head/extremity exposure condition each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
17. For standalone WWAN at hotspot/body-worn exposure condition in Flip CIsoc state, always choose the highest SAR among all WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
 18. For standalone WWAN, always choose the highest SAR among all WWAN bands within all antennas for body-worn distance SAR each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
 19. The maximum SAR summation is calculated based on the same configuration and test position.
 20. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
 21. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 17.6.
 22. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis per KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has include TER analysis requirement according to KDB 987594.

17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e. SAR exposure for 5G FR1), and $B \leq 1.0$.

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

If $A + C \leq 1.0$ and $B + C \leq 1.0$ can be proven, then " $x\% * A + (100-x)\% * B + C \leq 1.0$ ". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Else, if $A + C > 1.0$ and/or $B + C > 1.0$, then the followings need to hold true for compliance:

i. A and C are decoupled based on the SPLSR criteria, and

ii. $(100-x)\% * B + C \leq 1.0$, and

iii. $x\% * A + (100-x)\% * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to LTE inter-band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, So UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.



17.2 Head Exposure Conditions

< Flip Open >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	1+3	1+6+8	1+6+9	1+11+8	1+11+9	1+4+7	1+4+12	2+5	2+10
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 non DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+4 DBS Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+4 non DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+4 DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WLAN 6GHz Ant 5+4 1g SAR (W/kg)	WLAN 6GHz Ant 5+4 non DBS 1g SAR (W/kg)	WLAN 6GHz Ant 5+4 DBS 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
All Ants	Right Cheek	0.964	0.781	0.391	0.190	0.791	0.390	0.193	0.109	0.092	0.070	0.090	0.036	1.36	1.46	1.45	1.15	1.15	1.35	1.19	1.18	0.85
	Right Tilted	0.749	0.581	0.291	0.141	0.499	0.246	0.122	0.109	0.092	0.082	0.118	0.043	1.04	1.10	1.09	0.96	0.96	1.01	0.93	0.79	0.66
	Left Cheek	0.999	0.735	0.381	0.186	0.797	0.394	0.193	0.109	0.092	0.852	0.334	0.163	1.38	1.50	1.49	1.43	1.43	1.38	1.35	1.18	1.59
	Left Tilted	0.954	0.223	0.111	0.055	0.273	0.134	0.067	0.109	0.092	0.111	0.147	0.072	1.07	1.20	1.18	1.19	1.19	1.08	1.08	0.38	0.33



17.3 Hotspot Exposure Conditions

<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5	Case No
		WWAN	WLAN2.4GHz Ant 4+6 non DBS	WLAN2.4GHz Ant 4+6 DBS	WLAN5GHz Ant 5+4 non DBS	WLAN5GHz Ant 5+4 DBS	Bluetooth Ant 4	Bluetooth Ant 6	Summed	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
All Ant1&3&5	Front	0.628	0.545	0.339	0.319	0.285	0.359	0.227	1.17	1.31	1.17	1.25	
	Back	0.623	0.564	0.369	0.271	0.211	0.162	0.245	1.19	1.06	1.14	1.20	
	Left side	0.642	0.095	0.062	0.325	0.197	0.150	0.004	0.74	1.12	0.97	0.90	
	Right side	0.675	0.347	0.228	0.585	0.361	0.035	0.299	1.02	1.30	1.56	1.26	
	Top side	0.697	0.272	0.178	0.537	0.325	0.237	0.003	0.97	1.47	1.24	1.20	
	Bottom side								0.00	0.00	0.00	0.00	
GSM850 Ant 0	Front	0.766	0.545	0.339	0.319	0.285	0.359	0.227	1.31	1.44	1.31	1.39	
	Back	0.931	0.564	0.369	0.271	0.211	0.162	0.245	1.50	1.36	1.45	1.51	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.458	0.347	0.228	0.585	0.361	0.035	0.299	0.81	1.08	1.34	1.05	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.107							1.11	1.11	1.11	1.11	
GSM1900 Ant 0	Front	0.659	0.545	0.339	0.319	0.285	0.359	0.227	1.20	1.34	1.21	1.28	
	Back	1.057	0.564	0.369	0.271	0.211	0.162	0.245	1.62	1.49	1.57	1.64	1&2
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.362	0.347	0.228	0.585	0.361	0.035	0.299	0.71	0.98	1.25	0.95	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.311							1.31	1.31	1.31	1.31	
GSM1900 Ant 2	Front	0.854	0.545	0.339	0.319	0.285	0.359	0.227	1.40	1.53	1.40	1.48	
	Back	0.966	0.564	0.369	0.271	0.211	0.162	0.245	1.53	1.40	1.48	1.55	
	Left side	0.499	0.095	0.062	0.325	0.197	0.150	0.004	0.59	0.97	0.83	0.76	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.110							1.11	1.11	1.11	1.11	
WCDMA II Ant 1	Front	0.301	0.545	0.339	0.319	0.285	0.359	0.227	0.85	0.98	0.85	0.93	
	Back	0.278	0.564	0.369	0.271	0.211	0.162	0.245	0.84	0.71	0.79	0.86	
	Left side	0.628	0.095	0.062	0.325	0.197	0.150	0.004	0.72	1.10	0.96	0.89	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side	0.011	0.272	0.178	0.537	0.325	0.237	0.003	0.28	0.79	0.55	0.51	
	Bottom side								0.00	0.00	0.00	0.00	
WCDMA II Ant 2	Front	0.796	0.545	0.339	0.319	0.285	0.359	0.227	1.34	1.47	1.34	1.42	
	Back	0.971	0.564	0.369	0.271	0.211	0.162	0.245	1.54	1.40	1.49	1.55	
	Left side	0.507	0.095	0.062	0.325	0.197	0.150	0.004	0.60	0.98	0.84	0.77	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.298							1.30	1.30	1.30	1.30	
WCDMA IV Ant 0	Front	0.947	0.545	0.339	0.319	0.285	0.359	0.227	1.49	1.63	1.49	1.57	3
	Back	1.258	0.564	0.369	0.271	0.211	0.162	0.245	1.82	1.69	1.77	1.84	4&5&6&7
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.427	0.347	0.228	0.585	0.361	0.035	0.299	0.77	1.05	1.31	1.02	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.314							1.31	1.31	1.31	1.31	
WCDMA IV Ant 2	Front	0.830	0.545	0.339	0.319	0.285	0.359	0.227	1.38	1.51	1.38	1.45	
	Back	0.967	0.564	0.369	0.271	0.211	0.162	0.245	1.53	1.40	1.48	1.55	
	Left side	0.469	0.095	0.062	0.325	0.197	0.150	0.004	0.56	0.94	0.80	0.73	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.296							1.30	1.30	1.30	1.30	
WCDMA	Front	0.808	0.545	0.339	0.319	0.285	0.359	0.227	1.35	1.49	1.35	1.43	



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V Ant 0	Back	1.059	0.564	0.369	0.271	0.211	0.162	0.245	1.62	1.49	1.58	1.64	8&9
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.471	0.347	0.228	0.585	0.361	0.035	0.299	0.82	1.09	1.36	1.06	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.281							1.28	1.28	1.28	1.28	
LTE Band 7 Ant 0	Front	0.544	0.545	0.339	0.319	0.285	0.359	0.227	1.09	1.22	1.09	1.17	
	Back	0.650	0.564	0.369	0.271	0.211	0.162	0.245	1.21	1.08	1.17	1.23	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.391	0.347	0.228	0.585	0.361	0.035	0.299	0.74	1.01	1.28	0.98	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.337							1.34	1.34	1.34	1.34	
LTE Band 7 Ant 2	Front	0.965	0.545	0.339	0.319	0.285	0.359	0.227	1.51	1.64	1.51	1.59	10
	Back	1.204	0.564	0.369	0.271	0.211	0.162	0.245	1.77	1.64	1.72	1.78	11&12&13&14
	Left side	0.442	0.095	0.062	0.325	0.197	0.150	0.004	0.54	0.92	0.77	0.70	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.280							1.28	1.28	1.28	1.28	
LTE Band 12 Ant 0	Front	0.745	0.545	0.339	0.319	0.285	0.359	0.227	1.29	1.42	1.29	1.37	
	Back	1.010	0.564	0.369	0.271	0.211	0.162	0.245	1.57	1.44	1.53	1.59	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.672	0.347	0.228	0.585	0.361	0.035	0.299	1.02	1.29	1.56	1.26	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.294							1.29	1.29	1.29	1.29	
LTE Band 13 Ant 0	Front	0.775	0.545	0.339	0.319	0.285	0.359	0.227	1.32	1.45	1.32	1.40	
	Back	1.077	0.564	0.369	0.271	0.211	0.162	0.245	1.64	1.51	1.59	1.66	15&16
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.592	0.347	0.228	0.585	0.361	0.035	0.299	0.94	1.21	1.48	1.18	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.296							1.30	1.30	1.30	1.30	
LTE Band 25 Ant 0	Front	1.019	0.545	0.339	0.319	0.285	0.359	0.227	1.56	1.70	1.57	1.64	17&18
	Back	1.324	0.564	0.369	0.271	0.211	0.162	0.245	1.89	1.76	1.84	1.90	19&20&21&22
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.555	0.347	0.228	0.585	0.361	0.035	0.299	0.90	1.18	1.44	1.14	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.153							1.15	1.15	1.15	1.15	
LTE Band 25 Ant 2	Front	0.998	0.545	0.339	0.319	0.285	0.359	0.227	1.54	1.68	1.54	1.62	23&24
	Back	1.195	0.564	0.369	0.271	0.211	0.162	0.245	1.76	1.63	1.71	1.78	25&26&27&28
	Left side	0.491	0.095	0.062	0.325	0.197	0.150	0.004	0.59	0.97	0.82	0.75	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.341							1.34	1.34	1.34	1.34	
LTE Band 26 Ant 0	Front	0.639	0.545	0.339	0.319	0.285	0.359	0.227	1.18	1.32	1.19	1.26	
	Back	0.987	0.564	0.369	0.271	0.211	0.162	0.245	1.55	1.42	1.50	1.57	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.555	0.347	0.228	0.585	0.361	0.035	0.299	0.90	1.18	1.44	1.14	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.160							1.16	1.16	1.16	1.16	
LTE Band 66 Ant 0	Front	0.968	0.545	0.339	0.319	0.285	0.359	0.227	1.51	1.65	1.51	1.59	29
	Back	1.254	0.564	0.369	0.271	0.211	0.162	0.245	1.82	1.69	1.77	1.83	30&31&32&33
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.379	0.347	0.228	0.585	0.361	0.035	0.299	0.73	1.00	1.26	0.97	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.357							1.36	1.36	1.36	1.36	
LTE Band 66 Ant 2	Front	0.905	0.545	0.339	0.319	0.285	0.359	0.227	1.45	1.58	1.45	1.53	
	Back	1.222	0.564	0.369	0.271	0.211	0.162	0.245	1.79	1.66	1.74	1.80	34&35&36&37
	Left side	0.535	0.095	0.062	0.325	0.197	0.150	0.004	0.63	1.01	0.86	0.79	



	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.283							1.28	1.28	1.28	1.28	
LTE Band 41 Ant 0	Front	0.790	0.545	0.339	0.319	0.285	0.359	0.227	1.34	1.47	1.34	1.41	
	Back	1.004	0.564	0.369	0.271	0.211	0.162	0.245	1.57	1.44	1.52	1.58	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.541	0.347	0.228	0.585	0.361	0.035	0.299	0.89	1.16	1.43	1.13	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.291							1.29	1.29	1.29	1.29	
LTE Band 41 Ant 2	Front	0.907	0.545	0.339	0.319	0.285	0.359	0.227	1.45	1.59	1.45	1.53	
	Back	1.110	0.564	0.369	0.271	0.211	0.162	0.245	1.67	1.54	1.63	1.69	38&39&40
	Left side	0.282	0.095	0.062	0.325	0.197	0.150	0.004	0.38	0.76	0.61	0.54	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.309							1.31	1.31	1.31	1.31	
LTE Band 42 Ant 2	Front	0.442	0.545	0.339	0.319	0.285	0.359	0.227	0.99	1.12	0.99	1.07	
	Back	0.404	0.564	0.369	0.271	0.211	0.162	0.245	0.97	0.84	0.92	0.98	
	Left side	0.452	0.095	0.062	0.325	0.197	0.150	0.004	0.55	0.93	0.78	0.71	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	0.421							0.42	0.42	0.42	0.42	
LTE Band 48 Ant 2	Front	0.434	0.545	0.339	0.319	0.285	0.359	0.227	0.98	1.11	0.98	1.06	
	Back	0.397	0.564	0.369	0.271	0.211	0.162	0.245	0.96	0.83	0.91	0.98	
	Left side	0.413	0.095	0.062	0.325	0.197	0.150	0.004	0.51	0.89	0.74	0.67	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	0.450							0.45	0.45	0.45	0.45	

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5	Case No
		WWAN	WLAN2.4GHz Ant 4+6 non DBS	WLAN2.4GHz Ant 4+6 DBS	WLAN5GHz Ant 5+4 non DBS	WLAN5GHz Ant 5+4 DBS	Bluetooth Ant 4	Bluetooth Ant 6	Summed	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
FR1 n2 Ant 0	Front	0.778	0.545	0.339	0.319	0.285	0.359	0.227	1.32	1.46	1.32	1.40	
	Back	1.123	0.564	0.369	0.271	0.211	0.162	0.245	1.69	1.56	1.64	1.70	41&42&43
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.406	0.347	0.228	0.585	0.361	0.035	0.299	0.75	1.03	1.29	1.00	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.277							1.28	1.28	1.28	1.28	
FR1 n2 Ant 2	Front	1.044	0.545	0.339	0.319	0.285	0.359	0.227	1.59	1.72	1.59	1.67	44&45
	Back	1.143	0.564	0.369	0.271	0.211	0.162	0.245	1.71	1.58	1.66	1.72	46&47&48
	Left side	0.600	0.095	0.062	0.325	0.197	0.150	0.004	0.70	1.08	0.93	0.86	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.428							1.43	1.43	1.43	1.43	
FR1 n7 Ant 0	Front	0.741	0.545	0.339	0.319	0.285	0.359	0.227	1.29	1.42	1.29	1.37	
	Back	0.926	0.564	0.369	0.271	0.211	0.162	0.245	1.49	1.36	1.44	1.51	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.560	0.347	0.228	0.585	0.361	0.035	0.299	0.91	1.18	1.44	1.15	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.289							1.29	1.29	1.29	1.29	
FR1 n7 Ant 2	Front	0.699	0.545	0.339	0.319	0.285	0.359	0.227	1.24	1.38	1.25	1.32	
	Back	1.012	0.564	0.369	0.271	0.211	0.162	0.245	1.58	1.45	1.53	1.59	
	Left side	0.358	0.095	0.062	0.325	0.197	0.150	0.004	0.45	0.83	0.69	0.62	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	



	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.297							1.30	1.30	1.30	1.30	
FR1 n26 Ant 0	Front	0.597	0.545	0.339	0.319	0.285	0.359	0.227	1.14	1.28	1.14	1.22	
	Back	0.952	0.564	0.369	0.271	0.211	0.162	0.245	1.52	1.39	1.47	1.53	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.356	0.347	0.228	0.585	0.361	0.035	0.299	0.70	0.98	1.24	0.95	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.049								1.05	1.05	1.05	1.05
FR1 n41 Ant 0	Front	0.670	0.545	0.339	0.319	0.285	0.359	0.227	1.22	1.35	1.22	1.29	
	Back	0.870	0.564	0.369	0.271	0.211	0.162	0.245	1.43	1.30	1.39	1.45	
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.603	0.347	0.228	0.585	0.361	0.035	0.299	0.95	1.22	1.49	1.19	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.271								1.27	1.27	1.27	1.27
FR1 n41 Ant 2	Front	0.643	0.545	0.339	0.319	0.285	0.359	0.227	1.19	1.32	1.19	1.27	
	Back	0.937	0.564	0.369	0.271	0.211	0.162	0.245	1.50	1.37	1.45	1.52	
	Left side	0.292	0.095	0.062	0.325	0.197	0.150	0.004	0.39	0.77	0.62	0.55	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.277								1.28	1.28	1.28	1.28
FR1 n66 Ant 0	Front	0.951	0.545	0.339	0.319	0.285	0.359	0.227	1.50	1.63	1.50	1.58	49
	Back	1.294	0.564	0.369	0.271	0.211	0.162	0.245	1.86	1.73	1.81	1.87	50&51&52&53
	Left side		0.095	0.062	0.325	0.197	0.150	0.004	0.10	0.48	0.33	0.26	
	Right side	0.398	0.347	0.228	0.585	0.361	0.035	0.299	0.75	1.02	1.28	0.99	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.226								1.23	1.23	1.23	1.23
FR1 n66 Ant 2	Front	0.806	0.545	0.339	0.319	0.285	0.359	0.227	1.35	1.48	1.35	1.43	
	Back	1.045	0.564	0.369	0.271	0.211	0.162	0.245	1.61	1.48	1.56	1.63	54&55
	Left side	0.365	0.095	0.062	0.325	0.197	0.150	0.004	0.46	0.84	0.69	0.62	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.309								1.31	1.31	1.31	1.31
FR1 n77 Ant 2	Front	0.750	0.545	0.339	0.319	0.285	0.359	0.227	1.30	1.43	1.30	1.37	
	Back	0.918	0.564	0.369	0.271	0.211	0.162	0.245	1.48	1.35	1.43	1.50	
	Left side	0.926	0.095	0.062	0.325	0.197	0.150	0.004	1.02	1.40	1.26	1.19	
	Right side		0.347	0.228	0.585	0.361	0.035	0.299	0.35	0.62	0.88	0.59	
	Top side		0.272	0.178	0.537	0.325	0.237	0.003	0.27	0.77	0.54	0.50	
	Bottom side	1.173								1.17	1.17	1.17	1.17

<Flip Close >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 4+6 non DBS	WLAN2.4GHz Ant 4+6 DBS	WLAN5GHz Ant 5+4 non DBS	WLAN5GHz Ant 5+4 DBS	Bluetooth Ant 4	Bluetooth Ant 6	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Ants	Front	0.634	0.300	0.206	0.322	0.207	0.255	0.163	0.93	1.21	1.12	1.05
	Back	0.627	0.102	0.070	0.091	0.048	0.120	0.004	0.73	0.84	0.72	0.75
	Left side	0.636	0.109	0.075	0.311	0.162	0.195	0.014	0.75	1.14	0.96	0.87
	Right side	0.643	0.279	0.192	0.487	0.311	0.053	0.299	0.92	1.18	1.43	1.15
	Top side	0.048	0.038	0.026	0.041	0.027	0.037	0.001	0.09	0.13	0.09	0.10
	Bottom side	0.677	0.181	0.125	0.202	0.129	0.213	0.001	0.86	1.09	0.88	0.93



17.4 Body-Worn Accessory Exposure Conditions

<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+3	1+6+8	1+6+9	1+10+8	1+10+9	1+4+7	1+4+10	2+5	2+10	Case No	
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 non DBS	WLAN 2.4GHz Ant 4+6 DBS	WLAN 5GHz Ant 5+4 DBS Only	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5+4 DBS	Bluetooth Ant 4	Bluetooth Ant 6	WLAN 6GHz Ant 5+4	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		1g SAR (W/kg)
All Ant1&3&5	Front	0.836	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.19	1.59	1.46	1.42	1.29	1.19	1.22	1.56	1.00		
	Back	0.836	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.20	1.38	1.46	1.05	1.14	1.08	1.03	1.53	0.84		
GSM850 Ant 0	Front	0.833	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.19	1.59	1.46	1.42	1.29	1.18	1.22	1.56	1.00		
	Back	1.059	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.42	1.60	1.68	1.28	1.36	1.30	1.26	1.53	0.84	56&57	
GSM1900 Ant 0	Front	0.659	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.02	1.41	1.28	1.24	1.11	1.01	1.04	1.56	1.00		
	Back	1.222	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.58	1.76	1.85	1.44	1.52	1.46	1.42	1.53	0.84	58&59	
GSM1900 Ant 2	Front	0.837	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.20	1.59	1.46	1.42	1.29	1.19	1.22	1.56	1.00		
	Back	1.048	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.41	1.59	1.67	1.26	1.35	1.29	1.25	1.53	0.84	60	
WCDMA II Ant 0	Front	0.981	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.34	1.74	1.60	1.57	1.43	1.33	1.36	1.56	1.00		
	Back	1.312	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.67	1.85	1.94	1.53	1.61	1.55	1.51	1.53	0.84	63&64&65&66	
WCDMA II Ant 2	Front	1.134	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.49	1.89	1.76	1.72	1.59	1.48	1.52	1.56	1.00		
	Back	1.293	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.66	1.83	1.92	1.51	1.59	1.53	1.49	1.53	0.84	67&68&69	
WCDMA IV Ant 0	Front	0.987	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.35	1.74	1.61	1.57	1.44	1.34	1.37	1.56	1.00		
	Back	1.310	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.67	1.85	1.93	1.53	1.61	1.55	1.51	1.53	0.84	73&74	
WCDMA IV Ant 2	Front	0.936	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.29	1.69	1.56	1.52	1.39	1.29	1.32	1.56	1.00		
	Back	1.107	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.47	1.65	1.73	1.32	1.41	1.35	1.30	1.53	0.84	75&76&77&78	
WCDMA V Ant 0	Front	0.758	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.12	1.51	1.38	1.34	1.21	1.11	1.14	1.56	1.00		
	Back	1.323	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.69	1.86	1.95	1.54	1.62	1.56	1.52	1.53	0.84	82&83&84&85	
LTE Band 7 Ant 0	Front	1.236	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.59	1.99	1.86	1.82	1.69	1.59	1.62	1.56	1.00		
	Back	1.279	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.64	1.82	1.90	1.50	1.58	1.52	1.48	1.53	0.84	86&87&88&89&90	
LTE Band 7 Ant 2	Front	1.055	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.41	1.81	1.68	1.64	1.51	1.40	1.44	1.56	1.00		
	Back	1.316	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.68	1.86	1.94	1.53	1.62	1.56	1.51	1.53	0.84	94&95&96	
LTE Band 12 Ant 0	Front	1.022	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.38	1.78	1.64	1.61	1.48	1.37	1.40	1.56	1.00		
	Back	1.274	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.64	1.82	1.90	1.49	1.57	1.51	1.47	1.53	0.84	101&102&103	
LTE Band 13 Ant 0	Front	0.835	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.19	1.59	1.46	1.42	1.29	1.18	1.22	1.56	1.00		
	Back	1.162	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.52	1.70	1.79	1.38	1.46	1.40	1.36	1.53	0.84	107&108	
LTE Band 25 Ant 0	Front	1.018	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.38	1.77	1.64	1.60	1.47	1.37	1.40	1.56	1.00		
	Back	1.324	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.69	1.87	1.95	1.54	1.62	1.56	1.52	1.53	0.84	112&113&114&115	
LTE Band 25 Ant 2	Front	1.109	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.47	1.86	1.73	1.69	1.56	1.46	1.49	1.56	1.00		
	Back	1.342	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.70	1.88	1.97	1.56	1.64	1.58	1.54	1.53	0.84	116&117&118	
LTE Band 26 Ant 0	Front	0.800	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.16	1.55	1.42	1.39	1.25	1.15	1.18	1.56	1.00		
	Back	1.43	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.79	1.97	2.05	1.65	1.73	1.67	1.63	1.53	0.84	123&124&125&126&127&128&129	
LTE Band 66 Ant 0	Front	0.768	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.13	1.52	1.39	1.35	1.22	1.12	1.15	1.56	1.00		
	Back	1.279	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.64	1.82	1.90	1.50	1.58	1.52	1.48	1.53	0.84	130&131&132	
LTE Band 66 Ant 2	Front	0.923	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.28	1.68	1.55	1.51	1.38	1.27	1.31	1.56	1.00		
	Back	1.376	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.74	1.92	2.00	1.59	1.68	1.62	1.57	1.53	0.84	135&136&137&138&139	
LTE Band 41 Ant 0	Front	1.052	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.41	1.81	1.67	1.64	1.51	1.40	1.43	1.56	1.00		
	Back	1.349	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.71	1.89	1.97	1.57	1.65	1.59	1.55	1.53	0.84	140&141&142	
LTE Band 41 Ant 2	Front	1.074	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.43	1.83	1.70	1.66	1.53	1.42	1.46	1.56	1.00		
	Back	1.315	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.68	1.86	1.94	1.53	1.61	1.55	1.51	1.53	0.84	147&148&149	
LTE Band 42 Ant 2	Front	0.453	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	0.81	1.21	1.08	1.04	0.91	0.80	0.84	1.56	1.00		
	Back	0.415	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	0.78	0.96	1.04	0.63	0.71	0.65	0.61	1.53	0.84		
LTE Band 48 Ant 2	Front	0.334	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	0.69	1.09	0.96	0.92	0.79	0.68	0.72	1.56	1.00		
	Back	0.306	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	0.67	0.85	0.93	0.52	0.61	0.55	0.50	1.53	0.84		



FCC SAR Test Report

Report No. : FA340401

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+3	1+6+8	1+6+9	1+10+8	1+10+9	1+4+7	1+4+10	2+5	2+10	Case No	
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 non DBS	WLAN 2.4GHz Ant 4+6 DBS	WLAN 5GHz Ant 5+4 DBS Only	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5+4 DBS	Bluetooth Ant 4	Bluetooth Ant 6	WLAN 6GHz Ant 5+4	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		1g SAR (W/kg)
FR1 n2 Ant 0	Front	0.923	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.28	1.68	1.55	1.51	1.38	1.27	1.31	1.56	1.00	154	
	Back	1.279	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.64	1.82	1.90	1.50	1.58	1.52	1.48	1.53	0.84	155&156&157	
FR1 n2 Ant 2	Front	0.970	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.33	1.72	1.59	1.56	1.42	1.32	1.35	1.56	1.00	158	
	Back	1.057	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.42	1.60	1.68	1.27	1.36	1.30	1.25	1.53	0.84	159&160	
FR1 n7 Ant 0	Front	1.027	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.39	1.78	1.65	1.61	1.48	1.38	1.41	1.56	1.00	161&162&163	
	Back	1.283	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.65	1.82	1.91	1.50	1.58	1.52	1.48	1.53	0.84	164&165&166	
FR1 n7 Ant 2	Front	1.017	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.38	1.77	1.64	1.60	1.47	1.37	1.40	1.56	1.00	167&168&169	
	Back	1.310	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.67	1.85	1.93	1.53	1.61	1.55	1.51	1.53	0.84	170&171&172&173	
FR1 n26 Ant 0	Front	0.623	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	0.98	1.38	1.25	1.21	1.08	0.97	1.01	1.56	1.00		
	Back	0.993	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.36	1.53	1.62	1.21	1.29	1.23	1.19	1.53	0.84	174	
FR1 n41 Ant 0	Front	1.022	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.38	1.78	1.64	1.61	1.48	1.37	1.40	1.56	1.00	175&176&177	
	Back	1.286	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.65	1.83	1.91	1.50	1.59	1.53	1.48	1.53	0.84	178&179&180	
FR1 n41 Ant 2	Front	0.954	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.31	1.71	1.58	1.54	1.41	1.30	1.34	1.56	1.00	181	
	Back	1.275	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.64	1.82	1.90	1.49	1.57	1.51	1.47	1.53	0.84	182&183&184	
FR1 n66 Ant 0	Front	0.931	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.29	1.69	1.55	1.52	1.38	1.28	1.31	1.56	1.00	185	
	Back	1.294	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.66	1.84	1.92	1.51	1.59	1.53	1.49	1.53	0.84	186&187&188	
FR1 n66 Ant 2	Front	0.836	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.19	1.59	1.46	1.42	1.29	1.19	1.22	1.56	1.00		
	Back	1.075	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.44	1.62	1.70	1.29	1.37	1.31	1.27	1.53	0.84	189&190	
FR1 n77 Ant 2	Front	0.809	0.773	0.358	0.156	0.790	0.395	0.193	0.359	0.227	0.226	1.17	1.56	1.43	1.39	1.26	1.16	1.19	1.56	1.00		
	Back	0.992	0.783	0.362	0.143	0.746	0.379	0.096	0.162	0.245	0.054	1.35	1.53	1.62	1.21	1.29	1.23	1.19	1.53	0.84	191	

Sensor off

WWAN Band	Exposure Position	1	2	3	4	5	1+2+4	1+3+5
		WWAN	WLAN 2.4GHz Ant 5+4 Open	WLAN 2.4GHz Ant 5+4 Close	WLAN 5GHz Ant 5+4 Open	WLAN 5GHz Ant 5+4 Close	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Flip Open	Front	0.753	0.421		0.418		1.59	0.75
	Back	0.654	0.399		0.403		1.46	0.65
All Bands Flip Close	Front	0.731		0.319		0.469	0.73	1.52
	Back	0.494		0.085		0.168	0.49	0.75

<Flip Close >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+3	1+6+8	1+6+9	1+10+8	1+10+9	1+4+7	1+4+10	2+5	2+10	
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 non DBS	WLAN 2.4GHz Ant 4+6 DBS	WLAN 5GHz Ant 5+4 DBS Only	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5+4 DBS	Bluetooth Ant 4	Bluetooth Ant 6	WLAN 6GHz Ant 5+4	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Ants	Front	0.914	0.544	0.274	0.154	0.596	0.319	0.156	0.255	0.203	0.206	1.19	1.49	1.44	1.38	1.32	1.22	1.27	1.14	0.75	
	Back	0.951	0.186	0.093	0.053	0.248	0.147	0.072	0.120	0.004	0.027	1.04	1.22	1.10	1.10	0.98	1.08	1.03	0.43	0.21	



17.5 Product specific 10g SAR Exposure Conditions

Remark:

1. For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

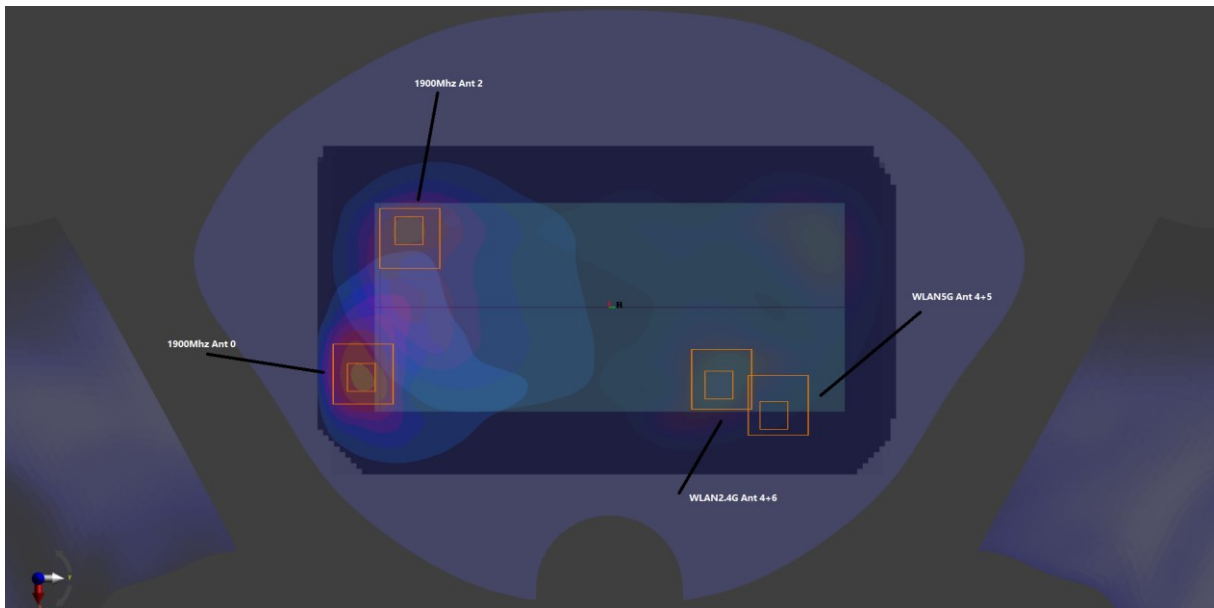
<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	1+3+9	1+6+9	1+8+9	1+4+7+9	1+4+8+9	2+5+9	2+8+9
		WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 4+6 DBS Only 10g SAR (W/kg)	WLAN2.4GHz Ant 4+6 non DBS 10g SAR (W/kg)	WLAN2.4GHz Ant 4+6 DBS 10g SAR (W/kg)	WLAN5GHz Ant 5+4 DBS Only 10g SAR (W/kg)	WLAN5GHz Ant 5+4 non DBS 10g SAR (W/kg)	WLAN5GHz Ant 5+4 DBS 10g SAR (W/kg)	WLAN6GHz Ant 5+4 10g SAR (W/kg)	NFC 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
All Ants	Front	2.995	1.783	0.978	0.470	1.736	0.990	0.483	0.064	0.001	3.97	3.99	3.06	3.95	3.53	3.52	1.85
	Back	3.356	1.593	0.621	0.182	1.055	0.604	0.362	0.051	0.016	3.99	3.98	3.42	3.92	3.61	2.66	1.66
	Left side	2.574				0.488	0.688	0.348	0.016	0.001	2.58	3.26	2.59	2.92	2.59	0.49	0.02
	Right side	2.479	1.238	0.542	0.121	1.481	0.957	0.489	0.437	0.001	3.02	3.44	2.92	3.09	3.04	2.72	1.68
	Top side	2.643				1.341	0.669	0.333	0.065	0.001	2.64	3.31	2.71	2.98	2.71	1.34	0.07
	Bottom side	3.548								0.001	3.55	3.55	3.55	3.55	3.55	0.00	0.00

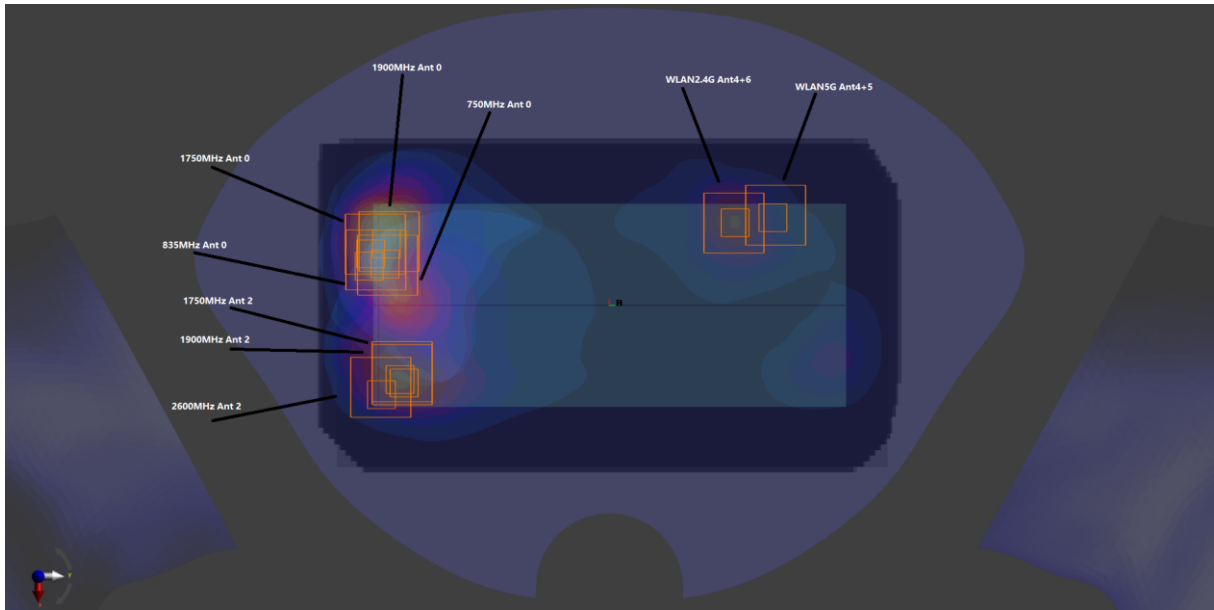
17.6 SPLSR Evaluation and Analysis

General Note:

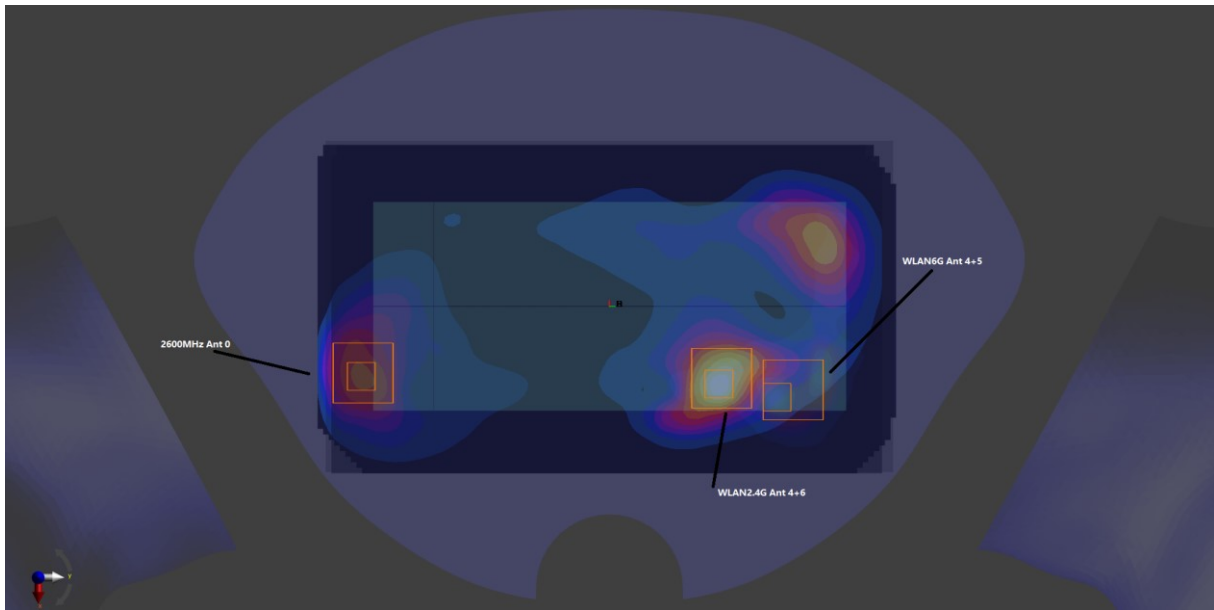
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.



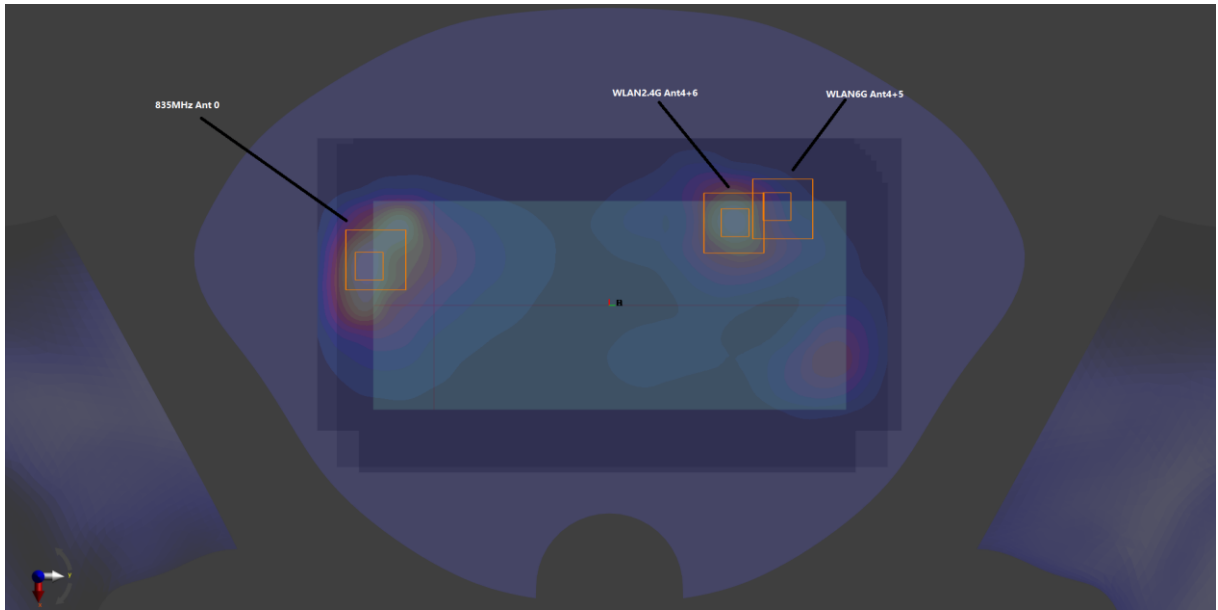
WWAN+WLAN2.4G DBS+WLAN5G DBS_Front 5mm



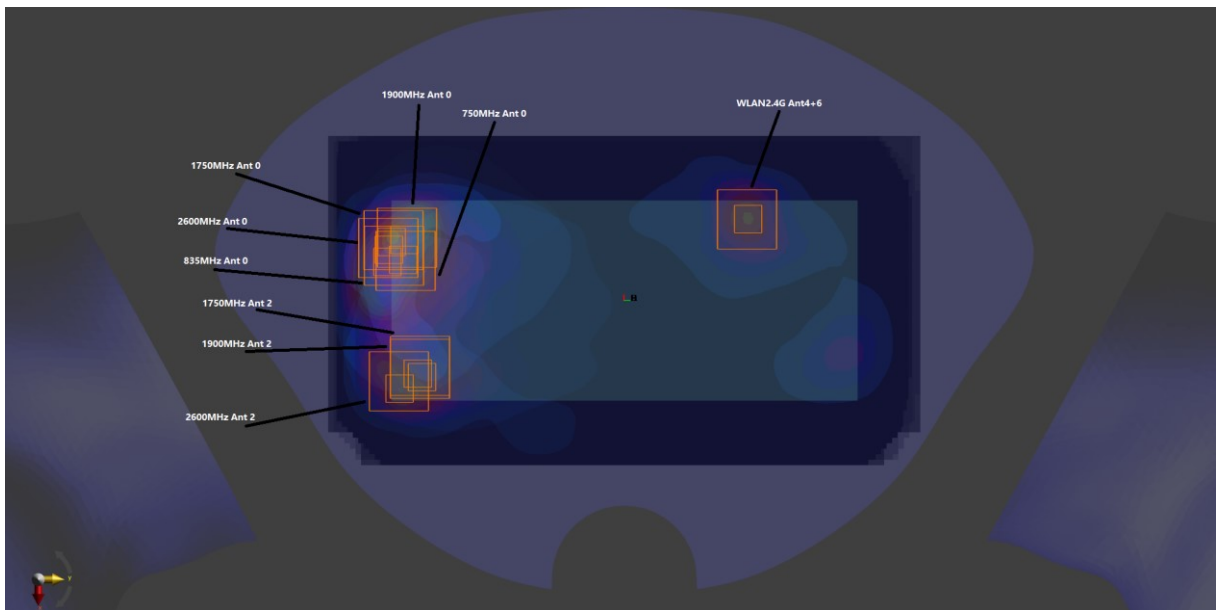
WWAN+WLAN2.4G DBS+WLAN5G DBS_Back 5mm



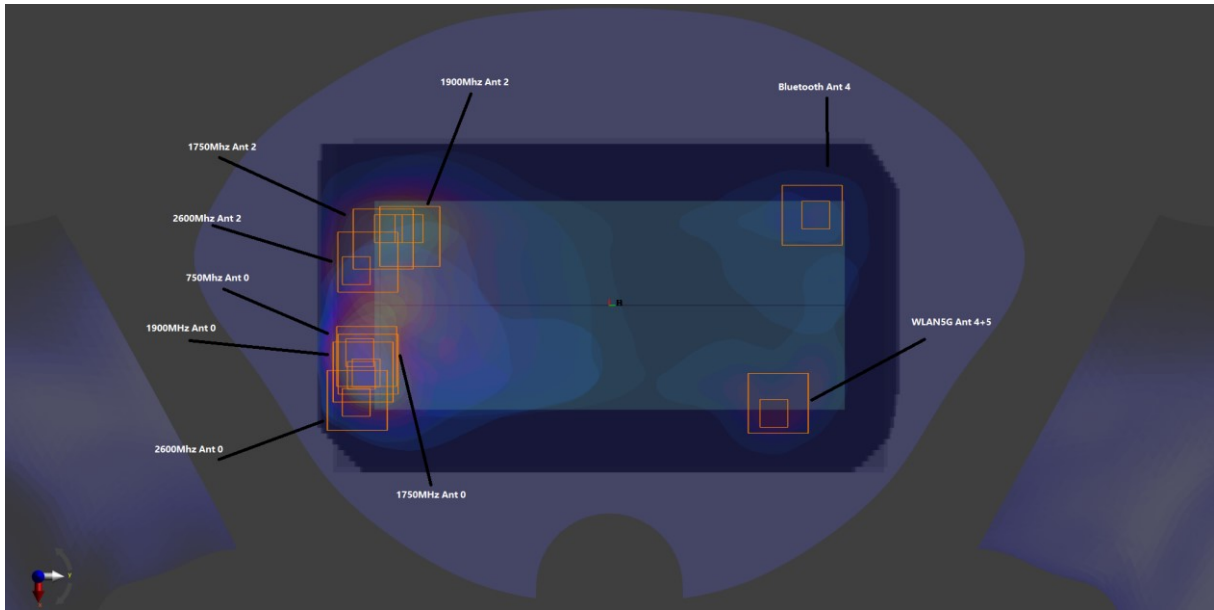
WWAN+WLAN2.4G DBS+WLAN6G _Front 5mm



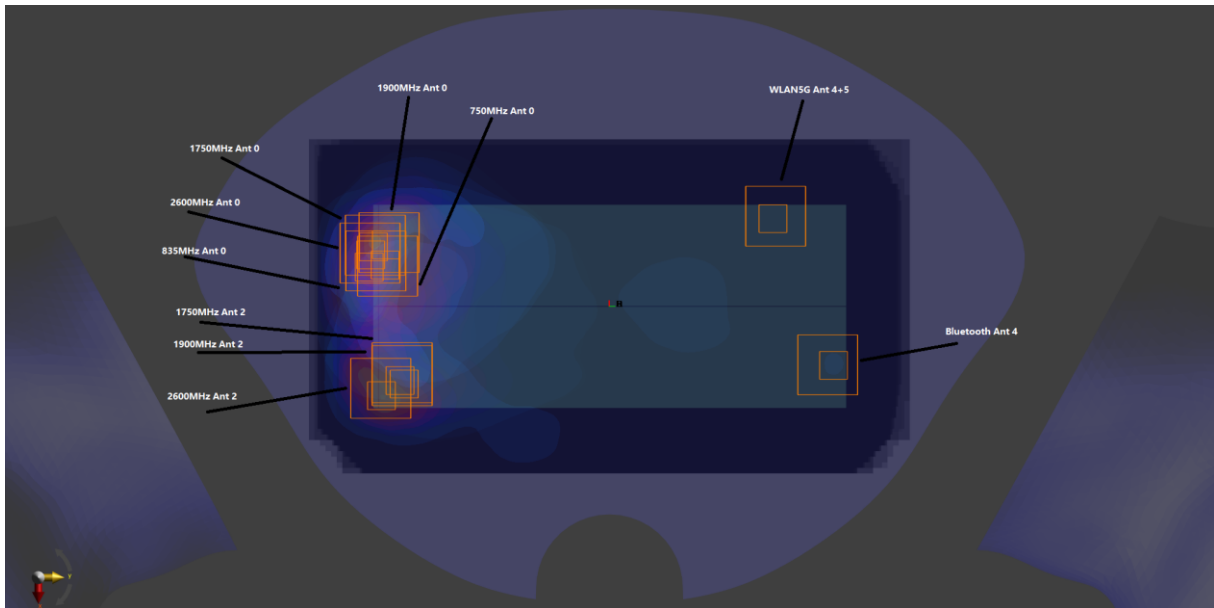
WWAN+WLAN2.4G DBS+WLAN6G _Back 5mm



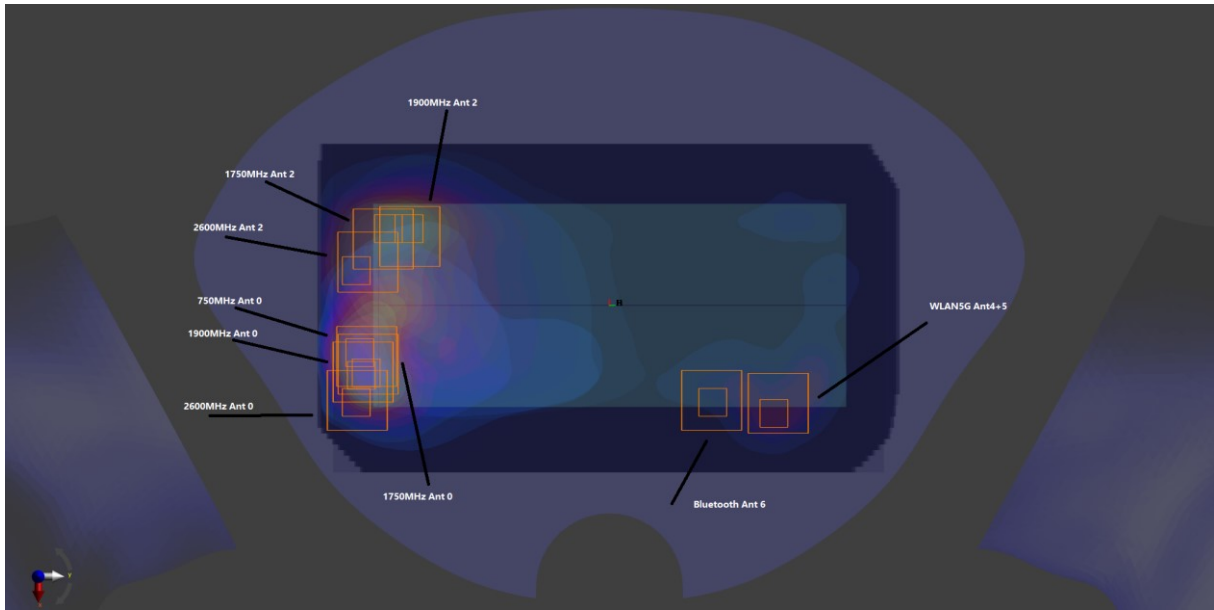
WWAN+WLAN2.4G non DBS _Back 5mm



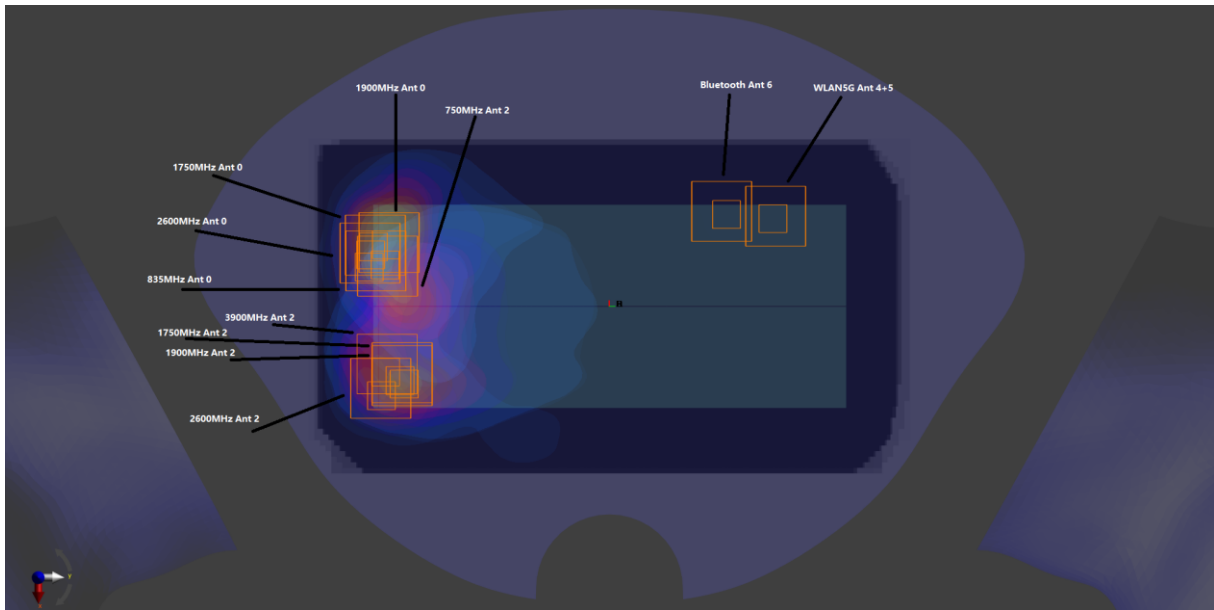
WWAN+WLAN5G non DBS+BT Ant 4_Front 5mm



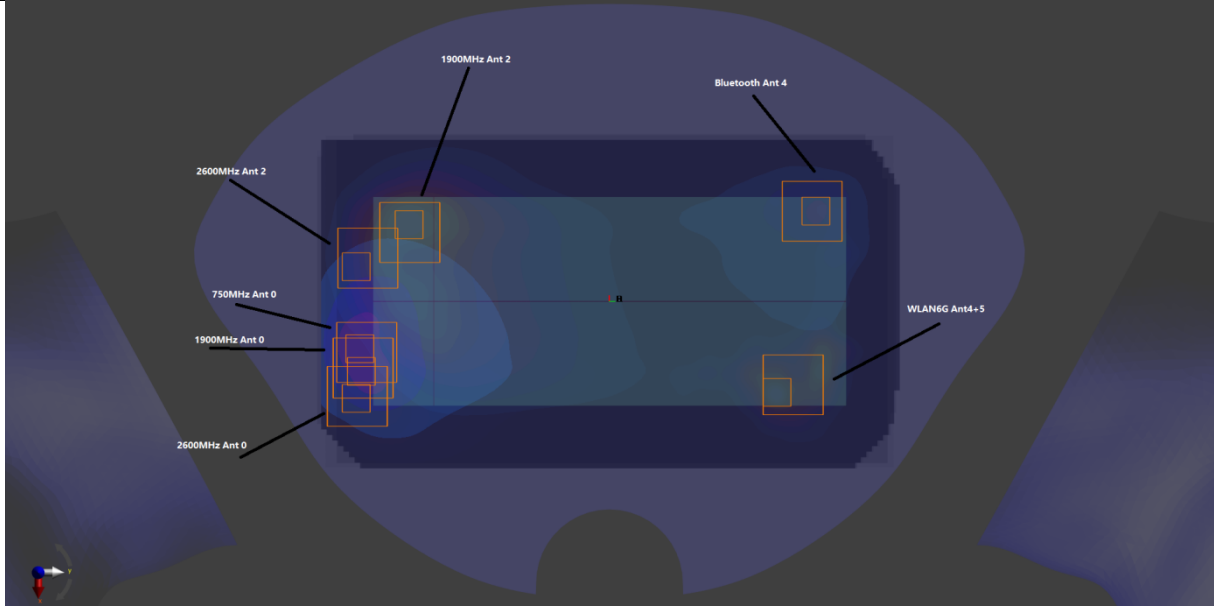
WWAN+WLAN5G non DBS+BT Ant 4_Back 5mm



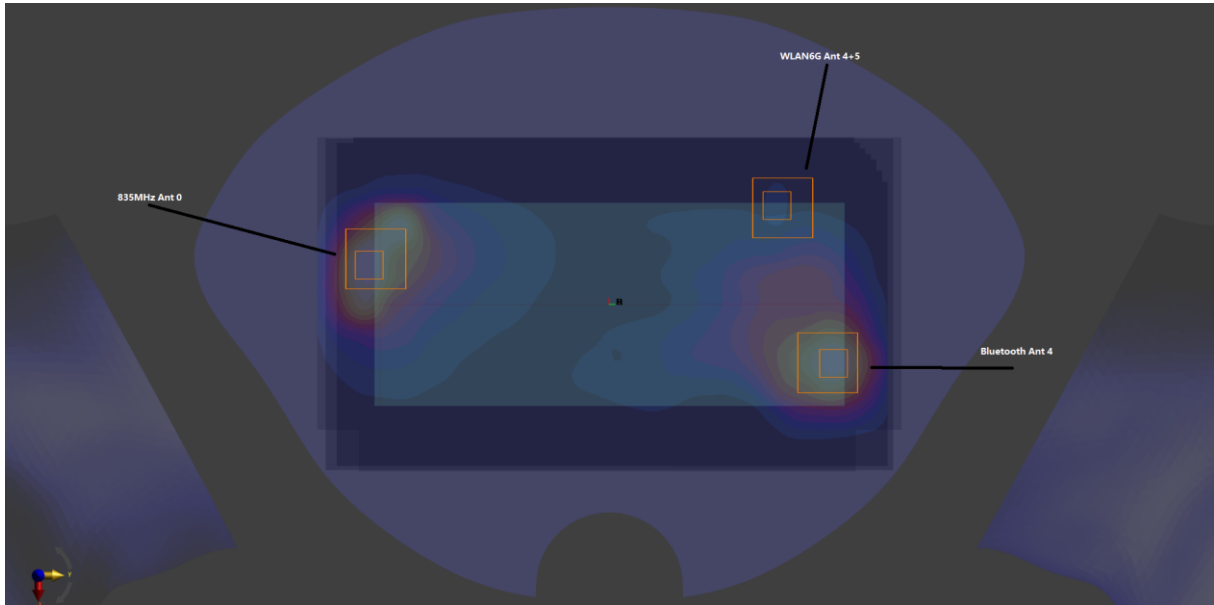
WWAN+WLAN5G non DBS+BT Ant 6_Front 5mm



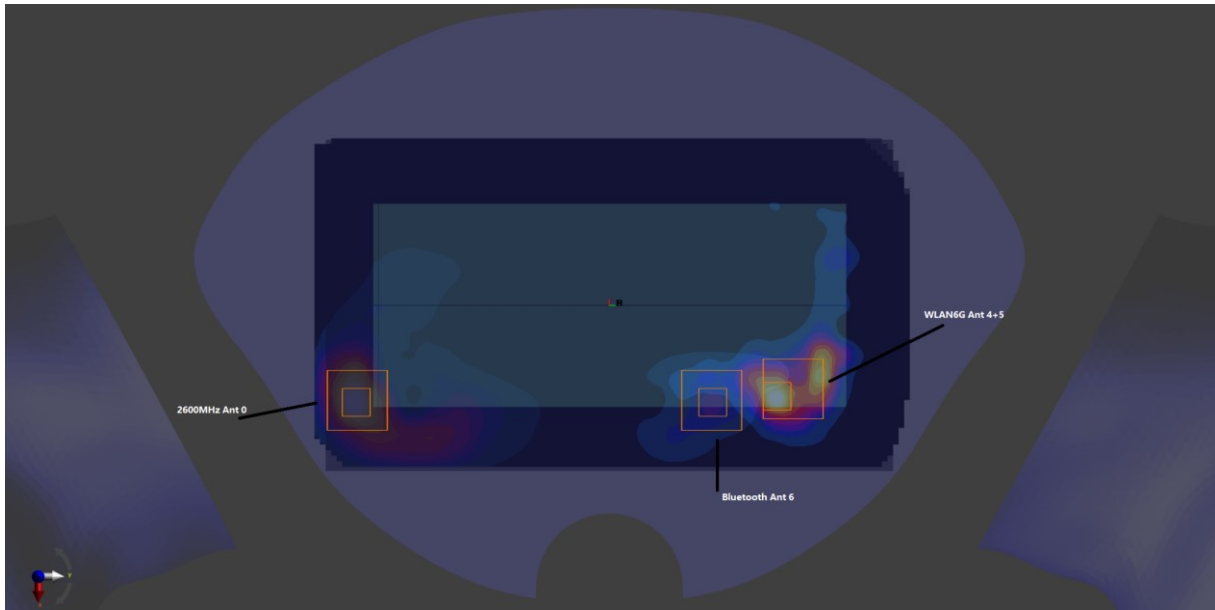
WWAN+WLAN5G non DBS+BT Ant 6_Back 5mm



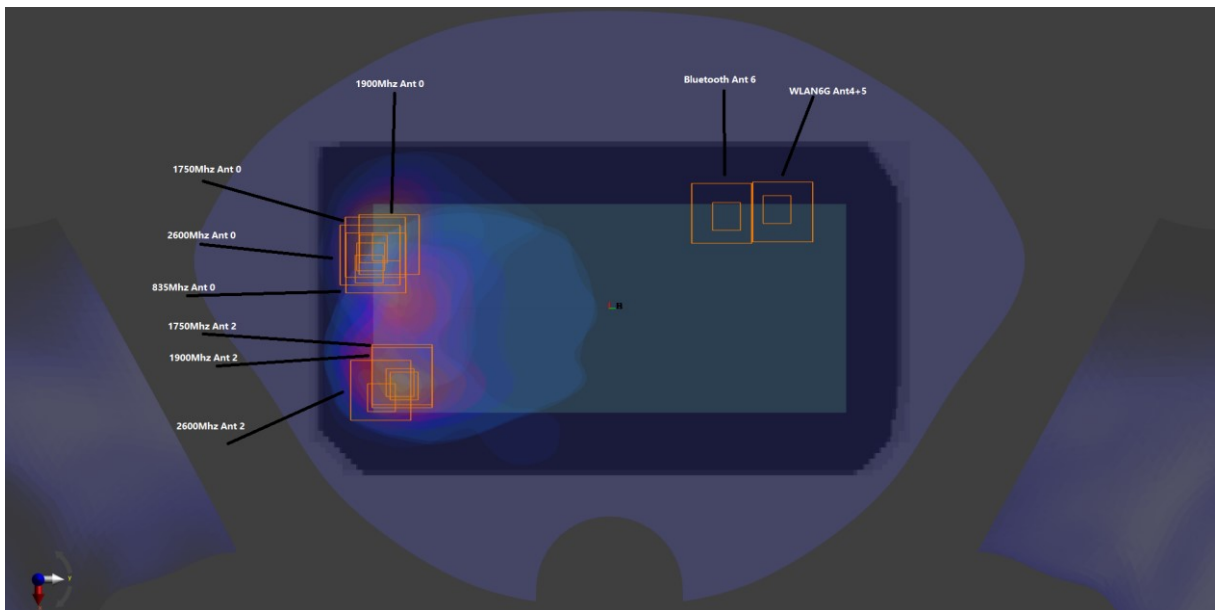
WWAN+WLAN6G +BT Ant 4_Front 5mm



WWAN+WLAN6G +BT Ant 4_Back 5mm



WWAN+WLAN6G +BT Ant 6_Front 5mm



WWAN+WLAN6G +BT Ant 6_Back 5mm



<Hotspot SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			1g SAR (W/kg)	(mm)	X	Y	Z					
Case 1	GSM1900 Ant 0	Back	1.057	1.621	5mm	-40	-86.6	-203.5	132.2	1.62	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 2	GSM1900 Ant 0	Back	1.057	0.580	5mm	-40	-86.6	-203.5	132.2	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	GSM1900 Ant 0	Back	1.057	0.580	5mm	-40	-86.6	-203.5	145.6	1.64	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 3	WCDMA IV Ant 0	Front	0.947	0.678	5mm	-10	-87.9	-203.5	150.6	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.319		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	WCDMA IV Ant 0	Front	0.947	0.678	5mm	-10	-87.9	-203.5	171.6	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.319		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 4	WCDMA IV Ant 0	Back	1.258	1.822	5mm	-55	-84.4	-203.5	129.1	1.82	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 5	WCDMA IV Ant 0	Back	1.258	0.433	5mm	-55	-84.4	-203.5	142.6	1.69	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	WCDMA IV Ant 0	Back	1.258	0.433	5mm	-55	-84.4	-203.5	174.0	1.69	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 6	WCDMA IV Ant 0	Back	1.258	0.516	5mm	-55	-84.4	-203.5	142.6	1.77	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA IV Ant 0	Back	1.258	0.516	5mm	-55	-84.4	-203.5	127.6	1.77	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	WCDMA IV Ant 0	Back	1.258	0.580	5mm	-55	-84.4	-203.5	129.1	1.84	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	WCDMA IV Ant 0	Back	1.258	0.580	5mm	-55	-84.4	-203.5	142.6	1.84	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 8	WCDMA V Ant 0	Back	1.059	1.623	5mm	-38.5	-87	-204	132.7	1.62	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 9	WCDMA V Ant 0	Back	1.059	1.059	5mm	-38.5	-87	-204	132.7	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	WCDMA V Ant 0	Back	1.059	1.059	5mm	-38.5	-87	-204	146.1	1.64	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 10	LTE Band 7 Ant 2	Front	0.965	0.965	5mm	-49	-82.6	-203.5	156.9	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.319	0.678	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 7 Ant 2	Front	0.965	0.965	5mm	-49	-82.6	-203.5	160.4	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.319	0.678	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 11	LTE Band 7 Ant 2	Back	1.204	1.768	5mm	-1	-80.2	-203.5	136.1	1.77	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		10mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 12	LTE Band 7 Ant 2	Back	1.204	1.204	5mm	-1	-80.2	-203.5	148.6	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 7 Ant 2	Back	1.204	1.204	5mm	-1	-80.2	-203.5	162.5	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 13	LTE Band 7 Ant 2	Back	1.204	1.204	5mm	-1	-80.2	-203.5	148.6	1.72	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 7 Ant 2	Back	1.204	1.204	5mm	-1	-80.2	-203.5	134.7	1.72	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 14	LTE Band 7 Ant 2	Back	1.204	1.204	5mm	-1	-80.2	-203.5	136.1	1.78	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	LTE Band 7 Ant 2	Back	1.204	1.204	5mm	-1	-80.2	-203.5	148.6	1.78	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 15	LTE Band 13 Ant 0	Back	1.077	1.641	5mm	-40	-81.2	-203.5	126.8	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 16	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-40	-81.2	-203.5	126.8	1.66	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-40	-81.2	-203.5	140.2	1.66	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 17	LTE Band 25 Ant 0	Front	1.019	1.019	5mm	5	-87.2	-203.5	148.1	1.70	0.01	Not required
	WLAN5GHz Ant 5+4		0.319	0.678	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 25 Ant 0	Front	1.019	1.019	5mm	5	-87.2	-203.5	175.5	1.70	0.01	Not required
	WLAN5GHz Ant 5+4		0.319	0.678	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 18	LTE Band 25 Ant 0	Front	1.019	1.019	5mm	5	-87.2	-203.5	126.8	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.339	0.624	5mm	5	39.6	-203				
	WLAN5GHz Ant 5+4		0.285		5mm							
	LTE Band 25 Ant 0	Front	1.019	1.019	5mm	5	-87.2	-203.5	148.1	1.64	0.01	Not required
WLAN2.4GHz Ant 4+6	0.339		0.624	5mm								
WLAN5GHz Ant 5+4	0.285			5mm	15	60.6	-203					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 19	LTE Band 25 Ant 0	Back	1.324	1.888	5mm	-55	-76.9	-203.5	121.6	1.89	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 20	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	135.1	1.76	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	166.9	1.76	0.01	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 21	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	135.1	1.84	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	120.1	1.84	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 22	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	121.6	1.90	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	135.1	1.90	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 23	LTE Band 25 Ant 2	Front	0.998	0.998	5mm	-55	-69.7	-203.5	147.9	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.319	0.678	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 25 Ant 2	Front	0.998	0.998	5mm	-55	-69.7	-203.5	147.4	1.68	0.01	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.319	0.678	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 24	LTE Band 25 Ant 2	Front	0.998	0.998	5mm	-55	-69.7	-203.5	124.7	1.62	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.339		5mm	5	39.6	-203				
	WLAN5GHz Ant 5+4		0.285		5mm							
	LTE Band 25 Ant 2	Front	0.998	0.998	5mm	-55	-69.7	-203.5	147.9	1.62	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.339		5mm							
	WLAN5GHz Ant 5+4		0.285		5mm	15	60.6	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 25	LTE Band 25 Ant 2	Back	1.195	1.759	5mm	5	-76.4	-203.5	135.1	1.76	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 26	LTE Band 25 Ant 2	Back	1.195	1.195	5mm	5	-76.4	-203.5	147.4	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 25 Ant 2	Back	1.195	1.195	5mm	5	-76.4	-203.5	159.0	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 27	LTE Band 25 Ant 2	Back	1.195	1.195	5mm	5	-76.4	-203.5	147.4	1.71	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 25 Ant 2	Back	1.195	1.195	5mm	5	-76.4	-203.5	133.8	1.71	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 28	LTE Band 25 Ant 2	Back	1.195	1.195	5mm	5	-76.4	-203.5	135.1	1.78	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	LTE Band 25 Ant 2	Back	1.195	1.195	5mm	5	-76.4	-203.5	147.4	1.78	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	LTE Band 66 Ant 0	Front	0.968	0.968	5mm	5	-88.7	-203.5	149.6	1.65	0.01	Not required
	WLAN5GHz Ant 5+4		0.319		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 66 Ant 0	Front	0.968	0.968	5mm	5	-88.7	-203.5	176.9	1.65	0.01	Not required
	WLAN5GHz Ant 5+4		0.319		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	LTE Band 66 Ant 0	Back	1.254	1.818	5mm	-40	-85	-203.5	130.6	1.82	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 31	LTE Band 66 Ant 0	Back	1.254	1.254	5mm	-40	-85	-203.5	144.0	1.69	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
Case 31	LTE Band 66 Ant 0	Back	1.254	1.254	5mm	-40	-85	-203.5	170.9	1.69	0.01	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 32	LTE Band 66 Ant 0	Back	1.254	1.254	5mm	-40	-85	-203.5	144.0	1.77	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 32	LTE Band 66 Ant 0	Back	1.254	1.254	5mm	-40	-85	-203.5	129.1	1.77	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 33	LTE Band 66 Ant 0	Back	1.254	1.254	5mm	-40	-85	-203.5	130.6	1.83	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
Case 33	LTE Band 66 Ant 0	Back	1.254	1.254	5mm	-40	-85	-203.5	144.0	1.83	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 34	LTE Band 66 Ant 2	Back	1.222	1.786	5mm	5	-75.4	-203.5	134.3	1.79	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 35	LTE Band 66 Ant 2	Back	1.222	1.222	5mm	5	-75.4	-203.5	146.5	1.66	0.01	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
Case 35	LTE Band 66 Ant 2	Back	1.222	1.222	5mm	5	-75.4	-203.5	158.0	1.66	0.01	Not required
	WLAN5GHz Ant 5+4		0.271	0.433	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 36	LTE Band 66 Ant 2	Back	1.222	1.222	5mm	5	-75.4	-203.5	146.5	1.74	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 36	LTE Band 66 Ant 2	Back	1.222	1.222	5mm	5	-75.4	-203.5	132.9	1.74	0.02	Not required
	WLAN5GHz Ant 5+4		0.271	0.516	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 37	LTE Band 66 Ant 2	Back	1.222	1.222	5mm	5	-75.4	-203.5	134.3	1.80	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
Case 37	LTE Band 66 Ant 2	Back	1.222	1.222	5mm	5	-75.4	-203.5	146.5	1.80	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 38	LTE Band 41 Ant 2	Back	1.110	1.674	5mm	-1	-82.3	-203.5	138.0	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 39	LTE Band 41 Ant 2	Back	1.110	0.516	5mm	-1	-82.3	-203.5	150.5	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 39	LTE Band 41 Ant 2	Back	1.110	0.516	5mm	-1	-82.3	-203.5	136.6	1.63	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 40	LTE Band 41 Ant 2	Back	1.110	0.580	5mm	-1	-82.3	-203.5	138.0	1.69	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
Case 40	LTE Band 41 Ant 2	Back	1.110	0.580	5mm	-1	-82.3	-203.5	150.5	1.69	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 41	FR1 n2 Ant 0	Back	1.123	1.687	5mm	-40	-97.4	-203.4	142.9	1.69	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 42	FR1 n2 Ant 0	Back	1.123	0.516	5mm	-40	-97.4	-203.4	156.3	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 42	FR1 n2 Ant 0	Back	1.123	0.516	5mm	-40	-97.4	-203.4	141.4	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 43	FR1 n2 Ant 0	Back	1.123	0.580	5mm	-40	-97.4	-203.4	142.9	1.70	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
Case 43	FR1 n2 Ant 0	Back	1.123	0.580	5mm	-40	-97.4	-203.4	156.3	1.70	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 44	FR1 n2 Ant 2	Front	1.044	0.678	5mm	-51	-71.5	-203.5	147.7	1.72	0.02	Not required
	WLAN5GHz Ant 5+4		0.319		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
Case 44	FR1 n2 Ant 2	Front	1.044	0.678	5mm	-51	-71.5	-203.5	149.3	1.72	0.02	Not required
	WLAN5GHz Ant 5+4		0.319		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 45	FR1 n2 Ant 2	Front	1.044	0.624	5mm	-51	-71.5	-203.5	124.4	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.339		5mm	5	39.6	-203				
	WLAN5GHz Ant 5+4		0.285		5mm							
	FR1 n2 Ant 2		1.044		5mm	-51	-71.5	-203.5				
Case 45	WLAN2.4GHz Ant 4+6	Front	0.339	0.624	5mm				147.7	1.67	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.339		5mm							



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.285		5mm	15	60.6	-203				
Case 46	FR1 n2 Ant 2	Back	1.143	1.707	5mm	2	-87	-204	143.5	1.71	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case 47	FR1 n2 Ant 2	Back	1.143	0.516	5mm	2	-87	-204	156.0	1.66	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	FR1 n2 Ant 2	Back	1.143	0.516	5mm	2	-87	-204	142.1	1.66	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 48	FR1 n2 Ant 2	Back	1.143	0.580	5mm	2	-87	-204	143.5	1.72	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.211		5mm							
	FR1 n2 Ant 2	Back	1.143	0.580	5mm	2	-87	-204	156.0	1.72	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.369		5mm							
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4				
Case 49	FR1 n66 Ant 0	Front	0.951	0.678	5mm	-40	-88.9	-203.4	159.3	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.319		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	FR1 n66 Ant 0	Front	0.951	0.678	5mm	-40	-88.9	-203.4	167.3	1.63	0.01	Not required
	WLAN5GHz Ant 5+4		0.319		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case 50	FR1 n66 Ant 0	Back	1.294	1.858	5mm	-37	-90	-204	135.9	1.86	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203				
Case 51	FR1 n66 Ant 0	Back	1.294	0.433	5mm	-37	-90	-204	149.3	1.73	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	FR1 n66 Ant 0	Back	1.294	0.433	5mm	-37	-90	-204	175.2	1.73	0.01	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case 52	FR1 n66 Ant 0	Back	1.294	0.516	5mm	-37	-90	-204	149.3	1.81	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	FR1 n66 Ant 0	Back	1.294	0.516	5mm	-37	-90	-204	134.4	1.81	0.02	Not required
	WLAN5GHz Ant 5+4		0.271		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 53	FR1 n66 Ant 0	Back	1.294	1.294	5mm	-37	-90	-204	135.9	1.87	0.02	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
						X	Y	Z									
	WLAN2.4GHz Ant 4+6	Back	0.369	0.580	5mm	-55	44.7	-203	149.3	1.87	0.02	Not required					
	WLAN5GHz Ant 5+4		0.211		5mm												
	FR1 n66 Ant 0		1.294	1.294	5mm	-37	-90	-204									
	WLAN2.4GHz Ant 4+6		0.369	0.580	5mm												
	WLAN5GHz Ant 5+4		0.211		5mm	-55	58.2	-203.4									
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
Case 54	FR1 n66 Ant 2	Back	1.045	1.609	5mm	3.5	-85.5	-204	142.7	1.61	0.01	Not required					
	WLAN2.4GHz Ant 4+6		0.564		5mm	-55	44.7	-203									
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
Case 55	FR1 n66 Ant 2	Back	1.045	1.045	5mm	3.5	-85.5	-204	142.7	1.63	0.01	Not required					
	WLAN2.4GHz Ant 4+6		0.369		0.580	5mm	-55	44.7					-203				
	WLAN5GHz Ant 5+4		0.211			5mm											
	FR1 n66 Ant 2	Back	1.045	1.045	5mm	3.5	-85.5	-204					155.2	1.63	0.01	Not required	
	WLAN2.4GHz Ant 4+6		0.369		0.580	5mm											
	WLAN5GHz Ant 5+4		0.211			5mm	-55	58.2									-203.4

<Body-worn SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
						X	Y	Z									
Case 56	GSM850 Ant 0	Back	1.059	1.059	5mm	-40	-83.1	-203.5	142.1	1.60	0.01	Not required					
	WLAN5GHz Ant 5+4		0.379		0.541	5mm	-55	58.2					-203.4				
	Bluetooth Ant 4		0.162			5mm											
	GSM850 Ant 0	Back	1.059	1.059	5mm	-40	-83.1	-203.5					169.1	1.60	0.01	Not required	
	WLAN5GHz Ant 5+4		0.379		0.541	5mm											
	Bluetooth Ant 4		0.162			5mm	-5	82.3									-203
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
Case 57	GSM850 Ant 0	Back	1.059	1.059	5mm	-40	-83.1	-203.5	142.1	1.68	0.02	Not required					
	WLAN5GHz Ant 5+4		0.379		0.624	5mm	-55	58.2									-203.4
	Bluetooth Ant 6		0.245			5mm											
	GSM850 Ant 0	Back	1.059	1.059	5mm	-40	-83.1	-203.5					127.2	1.68	0.02	Not required	
	WLAN5GHz Ant 5+4		0.379		0.624	5mm											
	Bluetooth Ant 6		0.245			5mm	-55	43.2									-203
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
Case 58	GSM1900 Ant 0	Back	1.222	1.222	5mm	-40	-86.6	-203.5	145.6	1.76	0.02	Not required					
	WLAN5GHz Ant 5+4		0.379		0.541	5mm	-55	58.2									-203.4
	Bluetooth Ant 4		0.162			5mm											
	GSM1900 Ant 0	Back	1.222	1.222	5mm	-40	-86.6	-203.5					172.5	1.76	0.01	Not required	
	WLAN5GHz Ant 5+4		0.379		0.541	5mm											
	Bluetooth Ant 4		0.162			5mm	-5	82.3									-203
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR					
Case 59	GSM1900 Ant 0	Back	1.222	1.222	5mm	-40	-86.6	-203.5	145.6	1.85	0.02	Not required					
	WLAN5GHz Ant 5+4		0.379		0.624	5mm	-55	58.2									-203.4
	Bluetooth Ant 6		0.245			5mm											
	GSM1900 Ant 0	Back	1.222	1.222	5mm	-40	-86.6	-203.5					130.7	1.85	0.02	Not required	
	WLAN5GHz Ant 5+4		0.379		0.624	5mm											
	Bluetooth Ant 6		0.245			5mm	-55	43.2									-203



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 60	GSM1900 Ant 2	Back	1.048	1.048	5mm	2	-74.6	-204	144.5	1.67	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	GSM1900 Ant 2	Back	1.048	1.048	5mm	2	-74.6	-204	130.9	1.67	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 61	WCDMA II Ant 0	Front	0.981	0.981	5mm	-10	-95.3	-203.4	157.9	1.74	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359	5mm								
	WCDMA II Ant 0	Front	0.981	0.981	5mm	-10	-95.3	-203.4	178.8	1.74	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					
Case 62	WCDMA II Ant 0	Front	0.981	0.981	5mm	-10	-95.3	-203.4	157.9	1.60	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227	5mm								
	WCDMA II Ant 0	Front	0.981	0.981	5mm	-10	-95.3	-203.4	136.0	1.60	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227	5mm	11	39.1	-203.4					
Case 63	WCDMA II Ant 0	Back	1.312	1.674	5mm	-40	-88.5	-204	134.0	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 64	WCDMA II Ant 0	Back	1.312	1.312	5mm	-40	-88.5	-204	147.5	1.85	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	WCDMA II Ant 0	Back	1.312	1.312	5mm	-40	-88.5	-204	174.4	1.85	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162	5mm	-5	82.3	-203					
Case 65	WCDMA II Ant 0	Back	1.312	1.312	5mm	-40	-88.5	-204	147.5	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	WCDMA II Ant 0	Back	1.312	1.312	5mm	-40	-88.5	-204	132.6	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 66	WCDMA II Ant 0	Back	1.312	1.312	5mm	-40	-88.5	-204	150.0	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6	0.245	5mm									
	WCDMA II Ant 0	Back	1.312	1.312	5mm	-40	-88.5	-204	132.6	1.61	0.02	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN6GHz Ant 5+4		0.054	0.299	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 67	WCDMA II Ant 2	Front	1.134	1.134	5mm	-55	-80.8	-203.4	157.8	1.89	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	WCDMA II Ant 2	Front	1.134	1.134	5mm	-55	-80.8	-203.4	158.5	1.89	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 68	WCDMA II Ant 2	Front	1.134	1.134	5mm	-55	-80.8	-203.4	157.8	1.76	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	WCDMA II Ant 2	Front	1.134	1.134	5mm	-55	-80.8	-203.4	136.9	1.76	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 69	WCDMA II Ant 2	Front	1.134	1.134	5mm	-55	-80.8	-203.4	154.6	1.72	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	WCDMA II Ant 2	Front	1.134	1.134	5mm	-55	-80.8	-203.4	158.5	1.72	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 70	WCDMA II Ant 2	Back	1.293	1.655	5mm	2	-73.5	-204	131.2	1.66	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 71	WCDMA II Ant 2	Back	1.293	1.293	5mm	2	-73.5	-204	143.5	1.83	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	WCDMA II Ant 2	Back	1.293	1.293	5mm	2	-73.5	-204	156.0	1.83	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 72	WCDMA II Ant 2	Back	1.293	1.293	5mm	2	-73.5	-204	143.5	1.92	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA II Ant 2	Back	1.293	1.293	5mm	2	-73.5	-204	129.9	1.92	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 73	WCDMA IV Ant 0	Front	0.987	0.987	5mm	-10	-87.9	-203.5	150.6	1.74	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	Bluetooth Ant 4	Front	0.359	0.754	5mm				171.6	1.74	0.01	Not required
	WCDMA IV Ant 0		0.987		5mm	-10	-87.9	-203.5				
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 74	WCDMA IV Ant 0	Front	0.987	0.622	5mm	-10	-87.9	-203.5	150.6	1.61	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	WCDMA IV Ant 0	Front	0.987	0.622	5mm	-10	-87.9	-203.5	128.7	1.61	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 75	WCDMA IV Ant 0	Back	1.310	1.672	5mm	-55	-84.4	-203.5	129.1	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 76	WCDMA IV Ant 0	Back	1.310	0.541	5mm	-55	-84.4	-203.5	142.6	1.85	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	WCDMA IV Ant 0	Back	1.310	0.541	5mm	-55	-84.4	-203.5	174.0	1.85	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 77	WCDMA IV Ant 0	Back	1.310	0.624	5mm	-55	-84.4	-203.5	142.6	1.93	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA IV Ant 0	Back	1.310	0.624	5mm	-55	-84.4	-203.5	127.6	1.93	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 78	WCDMA IV Ant 0	Back	1.310	0.299	5mm	-55	-84.4	-203.5	144.8	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA IV Ant 0	Back	1.310	0.299	5mm	-55	-84.4	-203.5	127.6	1.61	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 79	WCDMA IV Ant 2	Front	0.936	0.754	5mm	-55	-80.9	-203.4	157.9	1.69	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	WCDMA IV Ant 2	Front	0.936	0.754	5mm	-55	-80.9	-203.4	158.6	1.69	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



Case 80	WCDMA IV Ant 2	Back	1.107	1.107	5mm	2	-75	-204	144.9	1.65	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	WCDMA IV Ant 2	Back	1.107	1.107	5mm	2	-75	-204	157.5	1.65	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 81	WCDMA IV Ant 2	Back	1.107	1.107	5mm	2	-75	-204	144.9	1.73	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA IV Ant 2	Back	1.107	1.107	5mm	2	-75	-204	131.2	1.73	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 82	WCDMA V Ant 0	Back	1.323	1.685	5mm	-38.5	-87	-204	132.7	1.69	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 83	WCDMA V Ant 0	Back	1.323	1.323	5mm	-38.5	-87	-204	146.1	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	WCDMA V Ant 0	Back	1.323	1.323	5mm	-38.5	-87	-204	172.6	1.86	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case 84	WCDMA V Ant 0	Back	1.323	1.323	5mm	-38.5	-87	-204	146.1	1.95	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA V Ant 0	Back	1.323	1.323	5mm	-38.5	-87	-204	131.2	1.95	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 85	WCDMA V Ant 0	Back	1.323	1.323	5mm	-38.5	-87	-204	148.7	1.62	0.01	Not required
	WLAN6GHz Ant 5+4		0.054	0.299	5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245		5mm							
	WCDMA V Ant 0	Back	1.323	1.323	5mm	-38.5	-87	-204	131.2	1.62	0.02	Not required
	WLAN6GHz Ant 5+4		0.054	0.299	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 86	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	151.7	1.99	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	176.5	1.99	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 87	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	151.7	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	130.0	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case 88	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	150.9	1.82	0.02	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	176.5	1.82	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case 89	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	150.9	1.69	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.453	5mm	8.2	60.3	-204				
	Bluetooth Ant 6		0.227		5mm							
	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	130.0	1.69	0.02	Not required
	WLAN6GHz Ant 5+4		0.226	0.453	5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case 90	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	150.9	1.62	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.382	5mm	8.2	60.3	-204				
	WLAN2.4GHz Ant 4+6		0.156		5mm							
	LTE Band 7 Ant 0	Front	1.236	1.236	5mm	-1	-90.3	-203.4	130.0	1.62	0.02	Not required
	WLAN6GHz Ant 5+4		0.226	0.382	5mm							
	WLAN2.4GHz Ant 4+6		0.156		5mm	5	39.6	-203				
Case 91	LTE Band 7 Ant 0	Back	1.279	1.641	5mm	-50.2	-84	-20.4	223.4	1.64	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 92	LTE Band 7 Ant 0	Back	1.279	1.279	5mm	-50.2	-84	-20.4	231.8	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 7 Ant 0	Back	1.279	1.279	5mm	-50.2	-84	-20.4	251.1	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case 93	LTE Band 7 Ant 0	Back	1.279	1.279	5mm	-50.2	-84	-20.4	231.8	1.90	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6	0.245	5mm									
	LTE Band 7 Ant 0	Back	1.279	1.279	5mm	-50.2	-84	-20.4	222.6	1.90	0.01	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.379	0.624	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 94	LTE Band 7 Ant 2	Front	1.055	1.055	5mm	-49	-82.6	-203.5	156.9	1.81	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 7 Ant 2	Front	1.055	1.055	5mm	-49	-82.6	-203.5	160.4	1.81	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 95	LTE Band 7 Ant 2	Front	1.055	1.055	5mm	-49	-82.6	-203.5	156.9	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	LTE Band 7 Ant 2	Front	1.055	1.055	5mm	-49	-82.6	-203.5	135.7	1.68	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 96	LTE Band 7 Ant 2	Front	1.055	1.055	5mm	-49	-82.6	-203.5	153.9	1.64	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 7 Ant 2	Front	1.055	1.055	5mm	-49	-82.6	-203.5	160.4	1.64	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 97	LTE Band 7 Ant 2	Back	1.316	1.678	5mm	-1	-80.2	-203.5	136.1	1.68	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 98	LTE Band 7 Ant 2	Back	1.316	1.316	5mm	-1	-80.2	-203.5	148.6	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 7 Ant 2	Back	1.316	1.316	5mm	-1	-80.2	-203.5	162.5	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 99	LTE Band 7 Ant 2	Back	1.316	1.316	5mm	-1	-80.2	-203.5	148.6	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 7 Ant 2	Back	1.316	1.316	5mm	-1	-80.2	-203.5	134.7	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 100	LTE Band 7 Ant 2	Back	1.316	1.316	5mm	-1	-80.2	-203.5	152.0	1.62	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		0.299	5mm	-59	60.3				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	Bluetooth Ant 6	Back	0.245	0.299	5mm				134.7	1.62	0.02	Not required
	LTE Band 7 Ant 2		1.316		5mm	-1	-80.2	-203.5				
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 101	LTE Band 12 Ant 0	Front	1.022	0.754	5mm	-10	-89.5	-203.4	152.2	1.78	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 12 Ant 0	Front	1.022	0.754	5mm	-10	-89.5	-203.4	173.2	1.78	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case 102	LTE Band 12 Ant 0	Front	1.022	0.622	5mm	-10	-89.5	-203.4	152.2	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	LTE Band 12 Ant 0	Front	1.022	0.622	5mm	-10	-89.5	-203.4	130.3	1.64	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case 103	LTE Band 12 Ant 0	Front	1.022	0.585	5mm	-10	-89.5	-203.4	150.9	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 12 Ant 0	Front	1.022	0.585	5mm	-10	-89.5	-203.4	173.2	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case 104	LTE Band 12 Ant 0	Back	1.274	1.636	5mm	-42.5	-82.3	-203.5	127.6	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 105	LTE Band 12 Ant 0	Back	1.274	0.541	5mm	-42.5	-82.3	-203.5	141.1	1.82	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 12 Ant 0	Back	1.274	0.541	5mm	-42.5	-82.3	-203.5	168.8	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case 106	LTE Band 12 Ant 0	Back	1.274	0.624	5mm	-42.5	-82.3	-203.5	141.1	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 12 Ant 0	Back	1.274	0.624	5mm	-42.5	-82.3	-203.5	126.1	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				



Case 107	LTE Band 13 Ant 0	Back	1.162	1.162	5mm	-40	-81.2	-203.5	140.2	1.70	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
Case 107	LTE Band 13 Ant 0	Back	1.162	1.162	5mm	-40	-81.2	-203.5	167.2	1.70	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 108	LTE Band 13 Ant 0	Back	1.162	1.162	5mm	-40	-81.2	-203.5	140.2	1.79	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 108	LTE Band 13 Ant 0	Back	1.162	1.162	5mm	-40	-81.2	-203.5	125.3	1.79	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 109	LTE Band 25 Ant 0	Front	1.018	1.018	5mm	5	-87.2	-203.5	148.1	1.77	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
Case 109	LTE Band 25 Ant 0	Front	1.018	1.018	5mm	5	-87.2	-203.5	175.5	1.77	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 110	LTE Band 25 Ant 0	Front	1.018	1.018	5mm	5	-87.2	-203.5	148.1	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
Case 110	LTE Band 25 Ant 0	Front	1.018	1.018	5mm	5	-87.2	-203.5	126.4	1.64	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 111	LTE Band 25 Ant 0	Front	1.018	1.018	5mm	5	-87.2	-203.5	147.5	1.60	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
Case 111	LTE Band 25 Ant 0	Front	1.018	1.018	5mm	5	-87.2	-203.5	175.5	1.60	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 112	LTE Band 25 Ant 0	Back	1.324	1.686	5mm	-55	-76.9	-203.5	121.6	1.69	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 113	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	135.1	1.87	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
Case 113	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	166.9	1.87	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 114	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	135.1	1.95	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	120.1	1.95	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 115	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	137.3	1.62	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245	5mm								
	LTE Band 25 Ant 0	Back	1.324	1.324	5mm	-55	-76.9	-203.5	120.1	1.62	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 116	LTE Band 25 Ant 2	Front	1.109	1.109	5mm	-55	-69.7	-203.5	147.9	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359	5mm								
	LTE Band 25 Ant 2	Front	1.109	1.109	5mm	-55	-69.7	-203.5	147.4	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					
Case 117	LTE Band 25 Ant 2	Front	1.109	1.109	5mm	-55	-69.7	-203.5	147.9	1.73	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227	5mm								
	LTE Band 25 Ant 2	Front	1.109	1.109	5mm	-55	-69.7	-203.5	127.3	1.73	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227	5mm	11	39.1	-203.4					
Case 118	LTE Band 25 Ant 2	Front	1.109	1.109	5mm	-55	-69.7	-203.5	144.5	1.69	0.02	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359	5mm								
	LTE Band 25 Ant 2	Front	1.109	1.109	5mm	-55	-69.7	-203.5	147.4	1.69	0.02	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					
Case 119	LTE Band 25 Ant 2	Back	1.342	1.704	5mm	5	-76.4	-203.5	135.1	1.70	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 120	LTE Band 25 Ant 2	Back	1.342	1.342	5mm	5	-76.4	-203.5	147.4	1.88	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4	0.162	5mm									
	LTE Band 25 Ant 2	Back	1.342	1.342	5mm	5	-76.4	-203.5	159.0	1.88	0.02	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 121	LTE Band 25 Ant 2	Back	1.342	1.342	5mm	5	-76.4	-203.5	147.4	1.97	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 25 Ant 2	Back	1.342	1.342	5mm	5	-76.4	-203.5	133.8	1.97	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 122	LTE Band 25 Ant 2	Back	1.342	1.342	5mm	5	-76.4	-203.5	150.9	1.64	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 25 Ant 2	Back	1.342	1.342	5mm	5	-76.4	-203.5	133.8	1.64	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 123	LTE Band 26 Ant 0	Back	1.430	1.792	5mm	-40	-81.5	-203.5	127.1	1.79	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 124	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	140.5	1.97	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	167.5	1.97	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 125	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	140.5	2.05	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	125.6	2.05	0.03	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 126	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	143.1	1.65	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	167.5	1.65	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 127	LTE Band 26 Ant 0	Back	1.430	1.430	5mm	-40	-81.5	-203.5	143.1	1.73	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	Bluetooth Ant 6	Back	0.245	0.299	5mm				125.6	1.73	0.02	Not required
	LTE Band 26 Ant 0		1.430		5mm	-40	-81.5	-203.5				
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 128	LTE Band 26 Ant 0	Back	1.430	0.239	5mm	-40	-81.5	-203.5	127.1	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.143		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.096		5mm							
	LTE Band 26 Ant 0	Back	1.430	0.239	5mm	-40	-81.5	-203.5	140.5	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.143		5mm							
	WLAN5GHz Ant 5+4		0.096		5mm	-55	58.2	-203.4				
Case 129	LTE Band 26 Ant 0	Back	1.430	0.197	5mm	-40	-81.5	-203.5	127.1	1.63	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.143		5mm	-55	44.7	-203				
	WLAN6GHz Ant 5+4		0.054		5mm							
	LTE Band 26 Ant 0	Back	1.430	0.197	5mm	-40	-81.5	-203.5	143.1	1.63	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.143		5mm							
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
Case 130	LTE Band 66 Ant 0	Back	1.279	1.641	5mm	-40	-85	-203.5	130.6	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 131	LTE Band 66 Ant 0	Back	1.279	0.541	5mm	-40	-85	-203.5	144.0	1.82	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 66 Ant 0	Back	1.279	0.541	5mm	-40	-85	-203.5	170.9	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case 132	LTE Band 66 Ant 0	Back	1.279	0.624	5mm	-40	-85	-203.5	144.0	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 66 Ant 0	Back	1.279	0.624	5mm	-40	-85	-203.5	129.1	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case 134	LTE Band 66 Ant 2	Front	0.923	0.754	5mm	-55	-76	-203.4	153.5	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 66 Ant 2	Front	0.923	0.754	5mm	-55	-76	-203.4	153.7	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 135	LTE Band 66 Ant 2	Back	1.376	1.738	5mm	5	-75.4	-203.5	134.3	1.74	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 136	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	146.5	1.92	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
Case 136	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	158.0	1.92	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 137	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	146.5	2.00	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 137	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	132.9	2.00	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 138	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	150.0	1.68	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245		5mm							
Case 138	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	132.9	1.68	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 139	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	134.3	1.62	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.143		5mm	-55	44.7	-203				
	WLAN5GHz Ant 5+4		0.096		5mm							
Case 139	LTE Band 66 Ant 2	Back	1.376	1.376	5mm	5	-75.4	-203.5	146.5	1.62	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.143		5mm							
	WLAN5GHz Ant 5+4		0.096		5mm	-55	58.2	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 140	LTE Band 41 Ant 0	Front	1.052	1.052	5mm	-1	-90.5	-203.4	151.9	1.81	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
Case 140	LTE Band 41 Ant 0	Front	1.052	1.052	5mm	-1	-90.5	-203.4	176.7	1.81	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 141	LTE Band 41 Ant 0	Front	1.052	1.052	5mm	-1	-90.5	-203.4	151.9	1.67	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
Case 141	LTE Band 41 Ant 0	Front	1.052	1.052	5mm	-1	-90.5	-203.4	130.2	1.67	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 142	LTE Band 41 Ant 0	Front	1.052	1.052	5mm	-1	-90.5	-203.4	151.1	1.64	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 41 Ant 0	Front	1.052	1.052	5mm	-1	-90.5	-203.4	176.7	1.64	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 143	LTE Band 41 Ant 0	Back	1.349	1.711	5mm	-49	-84	-204	128.8	1.71	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 144	LTE Band 41 Ant 0	Back	1.349	1.349	5mm	-49	-84	-204	142.3	1.89	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	LTE Band 41 Ant 0	Back	1.349	1.349	5mm	-49	-84	-204	172.0	1.89	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 145	LTE Band 41 Ant 0	Back	1.349	1.349	5mm	-49	-84	-204	142.3	1.97	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 41 Ant 0	Back	1.349	1.349	5mm	-49	-84	-204	127.3	1.97	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 146	LTE Band 41 Ant 0	Back	1.349	1.349	5mm	-49	-84	-204	144.6	1.65	0.01	Not required
	WLAN6GHz Ant 5+4		0.054	0.299	5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245		5mm							
	LTE Band 41 Ant 0	Back	1.349	1.349	5mm	-49	-84	-204	127.3	1.65	0.02	Not required
	WLAN6GHz Ant 5+4		0.054	0.299	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 147	LTE Band 41 Ant 2	Front	1.074	1.074	5mm	-40	-85	-203.4	155.6	1.83	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	LTE Band 41 Ant 2	Front	1.074	1.074	5mm	-40	-85	-203.4	163.4	1.83	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 148	LTE Band 41 Ant 2	Front	1.074	1.074	5mm	-40	-85	-203.4	155.6	1.70	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	LTE Band 41 Ant 2	Front	1.074	1.074	5mm	-40	-85	-203.4	134.2	1.70	0.02	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.395	0.622	5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 149	LTE Band 41 Ant 2	Front	1.074	1.074	5mm	-40	-85	-203.4	153.1	1.66	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
Case 149	LTE Band 41 Ant 2	Front	1.074	1.074	5mm	-40	-85	-203.4	163.4	1.66	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 150	LTE Band 41 Ant 2	Back	1.315	1.677	5mm	-1	-82.3	-203.5	138.0	1.68	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 151	LTE Band 41 Ant 2	Back	1.315	1.315	5mm	-1	-82.3	-203.5	150.5	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
Case 151	LTE Band 41 Ant 2	Back	1.315	1.315	5mm	-1	-82.3	-203.5	164.6	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 152	LTE Band 41 Ant 2	Back	1.315	1.315	5mm	-1	-82.3	-203.5	150.5	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
Case 152	LTE Band 41 Ant 2	Back	1.315	1.315	5mm	-1	-82.3	-203.5	136.6	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 153	LTE Band 41 Ant 2	Back	1.315	1.315	5mm	-1	-82.3	-203.5	153.9	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245		5mm							
Case 153	LTE Band 41 Ant 2	Back	1.315	1.315	5mm	-1	-82.3	-203.5	136.6	1.61	0.02	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 154	FR1 n2 Ant 0	Front	0.923	0.923	5mm	5	-99.5	-203.4	160.4	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
Case 154	FR1 n2 Ant 0	Front	0.923	0.923	5mm	5	-99.5	-203.4	187.1	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 155	FR1 n2 Ant 0	Back	1.279	1.641	5mm	-40	-94.3	-203.2	139.8	1.64	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 156	FR1 n2 Ant 0	Back	1.279	1.279	5mm	-40	-94.3	-203.2	153.2	1.82	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	FR1 n2 Ant 0	Back	1.279	1.279	5mm	-40	-94.3	-203.2	180.0	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162	5mm	-5	82.3	-203					
Case 157	FR1 n2 Ant 0	Back	1.279	1.279	5mm	-40	-94.3	-203.2	153.2	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n2 Ant 0	Back	1.279	1.279	5mm	-40	-94.3	-203.2	138.3	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 158	FR1 n2 Ant 2	Front	0.970	0.970	5mm	-51	-71.5	-203.5	147.7	1.72	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359	5mm								
	FR1 n2 Ant 2	Front	0.970	0.970	5mm	-51	-71.5	-203.5	149.3	1.72	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					
Case 159	FR1 n2 Ant 2	Back	1.057	1.057	5mm	2	-87	-204	156.0	1.60	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	FR1 n2 Ant 2	Back	1.057	1.057	5mm	2	-87	-204	169.4	1.60	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162	5mm	-5	82.3	-203					
Case 160	FR1 n2 Ant 2	Back	1.057	1.057	5mm	2	-87	-204	156.0	1.68	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n2 Ant 2	Back	1.057	1.057	5mm	2	-87	-204	142.1	1.68	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 161	FR1 n7 Ant 0	Front	1.027	1.027	5mm	11	-87.7	-203.3	148.4	1.78	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359	5mm								
	FR1 n7 Ant 0	Front	1.027	1.027	5mm	11	-87.7	-203.3	178.1	1.78	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			X	Y		Z						
Case 162	FR1 n7 Ant 0	Front	1.027	1.027	5mm	11	-87.7	-203.3	148.4	1.65	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	FR1 n7 Ant 0	Front	1.027	1.027	5mm	11	-87.7	-203.3	126.8	1.65	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 163	FR1 n7 Ant 0	Front	1.027	1.027	5mm	11	-87.7	-203.3	148.0	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	FR1 n7 Ant 0	Front	1.027	1.027	5mm	11	-87.7	-203.3	178.1	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.226	0.585	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 164	FR1 n7 Ant 0	Back	1.283	1.645	5mm	-47.8	-84	-204	128.9	1.65	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 165	FR1 n7 Ant 0	Back	1.283	1.283	5mm	-47.8	-84	-204	142.4	1.82	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	FR1 n7 Ant 0	Back	1.283	1.283	5mm	-47.8	-84	-204	171.7	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 166	FR1 n7 Ant 0	Back	1.283	1.283	5mm	-47.8	-84	-204	142.4	1.91	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	FR1 n7 Ant 0	Back	1.283	1.283	5mm	-47.8	-84	-204	127.4	1.91	0.02	Not required
	WLAN5GHz Ant 5+4		0.379	0.624	5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 167	FR1 n7 Ant 2	Front	1.017	1.017	5mm	-37	-91.1	-203.4	160.4	1.77	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	FR1 n7 Ant 2	Front	1.017	1.017	5mm	-37	-91.1	-203.4	169.8	1.77	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.754	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 168	FR1 n7 Ant 2	Front	1.017	1.017	5mm	-37	-91.1	-203.4	160.4	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	FR1 n7 Ant 2	Front	1.017	1.017	5mm	-37	-91.1	-203.4	138.8	1.64	0.02	Not required
	WLAN5GHz Ant 5+4		0.395	0.622	5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 169	FR1 n7 Ant 2	Front	1.017	1.017	5mm	-37	-91.1	-203.4	158.0	1.60	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359	5mm								
	FR1 n7 Ant 2	Front	1.017	1.017	5mm	-37	-91.1	-203.4	169.8	1.60	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					
Case 170	FR1 n7 Ant 2	Back	1.310	1.672	5mm	-1	-87.1	-203.2	142.4	1.67	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 171	FR1 n7 Ant 2	Back	1.310	1.310	5mm	-1	-87.1	-203.2	155.0	1.85	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	FR1 n7 Ant 2	Back	1.310	1.310	5mm	-1	-87.1	-203.2	169.4	1.85	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162	5mm	-5	82.3	-203					
Case 172	FR1 n7 Ant 2	Back	1.310	1.310	5mm	-1	-87.1	-203.2	155.0	1.93	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n7 Ant 2	Back	1.310	1.310	5mm	-1	-87.1	-203.2	141.0	1.93	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 173	FR1 n7 Ant 2	Back	1.310	1.310	5mm	-1	-87.1	-203.2	158.4	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm	-59	60.3	-204				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n7 Ant 2	Back	1.310	1.310	5mm	-1	-87.1	-203.2	141.0	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.054		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 174	FR1 n26 Ant 0	Back	0.993	0.993	5mm	-41.5	-87	-204	145.8	1.62	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n26 Ant 0	Back	0.993	0.993	5mm	-41.5	-87	-204	130.9	1.62	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 175	FR1 n41 Ant 0	Front	1.022	1.022	5mm	11	-89.5	-203.4	150.2	1.78	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359	5mm								
	FR1 n41 Ant 0	Front	1.022	1.022	5mm	11	-89.5	-203.4	179.8	1.78	0.01	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.395	0.754	5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 176	FR1 n41 Ant 0	Front	1.022	1.022	5mm	11	-89.5	-203.4	150.2	1.64	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 6		0.227		5mm							
	FR1 n41 Ant 0	Front	1.022	1.022	5mm	11	-89.5	-203.4	128.6	1.64	0.02	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 6		0.227		5mm	11	39.1	-203.4				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 177	FR1 n41 Ant 0	Front	1.022	1.022	5mm	11	-89.5	-203.4	149.8	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm	8.2	60.3	-204				
	Bluetooth Ant 4		0.359		5mm							
	FR1 n41 Ant 0	Front	1.022	1.022	5mm	11	-89.5	-203.4	179.8	1.61	0.01	Not required
	WLAN6GHz Ant 5+4		0.226		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 178	FR1 n41 Ant 0	Back	1.286	1.648	5mm	-50.2	-84	-204	128.8	1.65	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 179	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-50.2	-84	-204	142.3	1.83	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162		5mm							
	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-50.2	-84	-204	172.3	1.83	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 180	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-50.2	-84	-204	142.3	1.91	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-50.2	-84	-204	127.3	1.91	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 181	FR1 n41 Ant 2	Front	0.954	0.954	5mm	-37	-91	-203.4	160.3	1.71	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359		5mm							
	FR1 n41 Ant 2	Front	0.954	0.954	5mm	-37	-91	-203.4	169.7	1.71	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359		5mm	-55	77.7	-203				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 182	FR1 n41 Ant 2	Back	1.275	1.637	5mm	-1	-85	-203.2	140.5	1.64	0.01	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 183	FR1 n41 Ant 2	Back	1.275	1.275	5mm	-1	-85	-203.2	153.0	1.82	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	FR1 n41 Ant 2	Back	1.275	1.275	5mm	-1	-85	-203.2	167.3	1.82	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162	5mm	-5	82.3	-203					
Case 184	FR1 n41 Ant 2	Back	1.275	1.275	5mm	-1	-85	-203.2	153.0	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n41 Ant 2	Back	1.275	1.275	5mm	-1	-85	-203.2	139.1	1.90	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 185	FR1 n66 Ant 0	Front	0.931	0.931	5mm	-40	-88.9	-203.4	159.3	1.69	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm	15	60.6	-203				
	Bluetooth Ant 4		0.359	5mm								
	FR1 n66 Ant 0	Front	0.931	0.931	5mm	-40	-88.9	-203.4	167.3	1.69	0.01	Not required
	WLAN5GHz Ant 5+4		0.395		5mm							
	Bluetooth Ant 4		0.359	5mm	-55	77.7	-203					
Case 186	FR1 n66 Ant 0	Back	1.294	1.656	5mm	-37	-90	-204	135.9	1.66	0.02	Not required
	WLAN2.4GHz Ant 4+6		0.362		5mm	-55	44.7	-203				
Case 187	FR1 n66 Ant 0	Back	1.294	1.294	5mm	-37	-90	-204	149.3	1.84	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	FR1 n66 Ant 0	Back	1.294	1.294	5mm	-37	-90	-204	175.2	1.84	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 4		0.162	5mm	-5	82.3	-203					
Case 188	FR1 n66 Ant 0	Back	1.294	1.294	5mm	-37	-90	-204	149.3	1.92	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245	5mm								
	FR1 n66 Ant 0	Back	1.294	1.294	5mm	-37	-90	-204	134.4	1.92	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245	5mm	-55	43.2	-203					
Case 189	FR1 n66 Ant 2	Back	1.075	1.075	5mm	3.5	-85.5	-204	155.2	1.62	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 4		0.162	5mm								
	FR1 n66 Ant 2	Back	1.075	1.075	5mm	3.5	-85.5	-204	168.0	1.62	0.01	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5+4		0.379	0.541	5mm							
	Bluetooth Ant 4		0.162		5mm	-5	82.3	-203				
Case 190	FR1 n66 Ant 2	Back	1.075	1.075	5mm	3.5	-85.5	-204	155.2	1.70	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
	Bluetooth Ant 6		0.245		5mm							
	FR1 n66 Ant 2	Back	1.075	1.075	5mm	3.5	-85.5	-204	141.4	1.70	0.02	Not required
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6		0.245		5mm	-55	43.2	-203				
	FR1 n77 Ant 2	Back	0.992	0.992	5mm	-5	-80	-203.3	147.0	1.62	0.01	Not required
	WLAN5GHz Ant 5+4		0.379		5mm	-55	58.2	-203.4				
Case 191	Bluetooth Ant 6	Back	0.245	0.624	5mm				133.0	1.62	0.02	Not required
	FR1 n77 Ant 2		0.992		5mm	-5	-80	-203.3				
	WLAN5GHz Ant 5+4		0.379		5mm							
	Bluetooth Ant 6	0.245	5mm	-55	43.2	-203						

18. Supplemental tuner tests results

General Note:

1. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 5/12/13/17/26, and 5GNR n5/n26 for ANT0.
2. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 2/4/5/7/12/13/17/25/26/38/41/66, and 5GNR n2/n5/n7/n26/n38/n41/n66 for ANT1.
3. LTE B17 / B5 / B4 / B2 / B38 SAR test was covered by LTE B12 / B26 / B66 / B25 / B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. 5GNR n26 / n25 / n41 SAR test was covered by 5GNR n5 / n2 / n38; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
5. Per 2019, April TCBC Workshop titled "RF ExposureProcedures", the following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions.
 - 1) SAR is measured according to required procedures with dynamic tuner active allowing device to automatically tune. Auto-tune state determined by device during normal SAR measurement verified and listed alongside the reported SAR results.
 - 2) Total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
 - 3) The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
 - 4) Single point measurements performed at the peak SAR location of the highest measured SAR configuration for each combination. SAR probe remains stationary throughout the entire series of single point measurements for each combination.
 - 5) If any single point SAR measurement result is > 1.2 W/kg for 1gSAR (or > 3.0 W/kg for 10gSAR) for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination.
6. The above test procedures were followed to demonstrate that the SAR results in Section 16 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
7. To evaluate all of the tuner states, the 144 tuner states for ANT0 and ANT1 is divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 10g SAR was > 3.0 W/kg for a particular band / mode / exposure condition, point SAR measurements were made for all 144 tuner states.
8. According to KDB 648474 D04 v01r03, in order to reduce the number of SAR tests required to demonstrate compliance for the numerous tuning states, certain SAR screening procedures were considered to identify the higher SAR between body-worn and hotspot scenarios that need normally required SAR measurements and allow SAR test reduction for the lower SAR conditions.
9. According to KDB 648474 D04 v01r03, this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
10. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.
11. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

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19. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

20. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, “SAR Measurement Requirements for 100 MHz to 6 GHz”, Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [10] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [11] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [13] FCC KDB 941225 D06 v02r01, “SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities”, Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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