



15.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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)
835MHz																					
78	GSM850	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 0	Handheld	189	836.4	1	28.59	30.50	1.552	-	-	-0.03	1.990	3.089
	GSM850	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 0	Handheld	189	836.4	2	28.59	30.50	1.552	-	-	0.07	1.970	3.058
	GSM850	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 0	Handheld	189	836.4	3	28.59	30.50	1.552	-	-	-0.14	1.760	2.732
	GSM850	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 0	Handheld	128	824.2	1	28.52	30.50	1.578	-	-	0.19	1.710	2.698
	GSM850	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 0	Handheld	251	848.8	1	28.54	30.50	1.570	-	-	-0.13	1.770	2.780
	GSM850	-	-	-	-	GPRS 4 TX Slot	Left Side	0mm	Ant 0	Handheld	189	836.4	1	28.59	30.50	1.552	-	-	0.03	1.450	2.251
	GSM850	-	-	-	-	GPRS 4 TX Slot	Left Side	0mm	Ant 0	Handheld	128	824.2	1	28.52	30.50	1.578	-	-	-0.07	1.250	1.972
	GSM850	-	-	-	-	GPRS 4 TX Slot	Left Side	0mm	Ant 0	Handheld	251	848.8	1	28.54	30.50	1.570	-	-	0.05	1.290	2.026
	GSM850	-	-	-	-	GPRS 4 TX Slot	Bottom Side	0mm	Ant 0	Handheld	189	836.4	1	28.59	30.50	1.552	-	-	0.11	1.860	2.887
	GSM850	-	-	-	-	GPRS 4 TX Slot	Bottom Side	0mm	Ant 0	Handheld	128	824.2	1	28.52	30.50	1.578	-	-	0.16	1.600	2.524
	GSM850	-	-	-	-	GPRS 4 TX Slot	Bottom Side	0mm	Ant 0	Handheld	251	848.8	1	28.54	30.50	1.570	-	-	0.1	1.650	2.591
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	Handheld	4182	836.4	1	22.61	24.00	1.377	-	-	0.04	1.810	2.493
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	Handheld	4132	826.4	1	22.56	24.00	1.393	-	-	0.12	1.950	2.717
79	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	Handheld	4233	846.6	1	22.50	24.00	1.413	-	-	-0.02	1.930	2.726
80	LTE Band 26	15M	QPSK	1	37	-	Back	0mm	Ant 0	Handheld	26865	831.5	1	22.74	24.00	1.337	-	-	-0.06	1.640	2.192
	LTE Band 26	15M	QPSK	1	37	-	Back	0mm	Ant 0	Handheld	26765	821.5	1	22.51	24.00	1.409	-	-	-0.03	1.510	2.128
	LTE Band 26	15M	QPSK	1	37	-	Back	0mm	Ant 0	Handheld	26965	841.5	1	22.45	24.00	1.429	-	-	-0.08	1.490	2.129
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	Handheld	26865	831.5	1	21.64	23.00	1.368	-	-	0.19	1.170	1.600
	LTE Band 26	15M	QPSK	75	0	-	Back	0mm	Ant 0	Handheld	26865	831.5	1	21.62	23.00	1.374	-	-	-0.15	1.140	1.566
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	Handheld	1413	1732.6	1	20.24	22.00	1.500	-	-	-0.15	1.680	2.519
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	Handheld	1312	1712.4	1	20.23	22.00	1.503	-	-	-0.08	1.630	2.450
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	Handheld	1513	1752.6	1	20.20	22.00	1.514	-	-	-0.19	1.710	2.588
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	1413	1732.6	1	20.24	22.00	1.500	-	-	-0.1	2.290	3.434
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	1312	1712.4	1	20.23	22.00	1.503	-	-	0.19	2.210	3.322
81	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	1513	1752.6	1	20.20	22.00	1.514	-	-	0.08	2.330	3.527
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	1513	1752.6	2	20.20	22.00	1.514	-	-	0.17	2.180	3.300
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	1513	1752.6	3	20.20	22.00	1.514	-	-	0.09	2.190	3.315
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Handheld	1413	1732.6	1	20.24	22.00	1.500	-	-	0.14	1.880	2.819
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Handheld	1312	1712.4	1	20.23	22.00	1.503	-	-	0.16	1.810	2.721
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Handheld	1513	1752.6	1	20.20	22.00	1.514	-	-	-0.15	1.910	2.891
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	7mm	Ant 1	Sensor Off	1513	1752.6	1	22.32	24.00	1.472	-	-	0.03	0.515	0.758
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	Sensor Off	1513	1752.6	1	22.32	24.00	1.472	-	-	-0.03	1.040	1.531
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	9mm	Ant 1	Sensor Off	1513	1752.6	1	22.32	24.00	1.472	-	-	0.04	0.710	1.045
	LTE Band 66	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	132322	1745	1	21.30	22.50	1.318	-	-	0.04	1.710	2.254
	LTE Band 66	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	132072	1720	1	21.13	22.50	1.371	-	-	-0.07	1.600	2.193
	LTE Band 66	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	132572	1770	1	21.25	22.50	1.334	-	-	-0.13	1.700	2.267
	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	132322	1745	1	21.30	22.50	1.318	-	-	0.09	2.380	3.137
	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	132072	1720	1	21.13	22.50	1.371	-	-	-0.14	2.240	3.071
82	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	132572	1770	1	21.25	22.50	1.334	-	-	-0.12	2.400	3.200
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	132322	1745	1	21.63	22.50	1.222	-	-	-0.09	1.930	2.358
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	132322	1745	1	21.30	22.50	1.318	-	-	0.1	1.920	2.531
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	132072	1720	1	21.13	22.50	1.371	-	-	-0.01	1.850	2.536
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	132572	1770	1	21.25	22.50	1.334	-	-	0.02	1.910	2.547
	LTE Band 66	20M	QPSK	1	49	-	Front	7mm	Ant 1	Sensor Off	132572	1770	1	22.49	24.00	1.416	-	-	-0.13	0.528	0.748
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	Sensor Off	132572	1770	1	22.49	24.00	1.416	-	-	0.06	1.060	1.501
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	9mm	Ant 1	Sensor Off	132572	1770	1	22.49	24.00	1.416	-	-	-0.1	0.786	1.113
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	Handheld	132322	1745	1	20.15	21.50	1.365	-	-	-0.09	1.270	1.733
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	132322	1745	1	20.15	21.50	1.365	-	-	0.01	1.800	2.456
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	132072	1720	1	20.11	21.50	1.377	-	-	0	1.750	2.410



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	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	132572	1770	1	20.05	21.50	1.396	-	-	-0.02	1.830	2.555
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	132322	1745	1	20.15	21.50	1.365	-	-	-0.15	1.420	1.938
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 1	Handheld	132322	1745	1	19.96	21.50	1.426	-	-	-0.16	1.190	1.696
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 1	Handheld	132322	1745	1	19.96	21.50	1.426	-	-	-0.04	1.670	2.381
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	Handheld	132322	1745	1	19.96	21.50	1.426	-	-	0.1	1.290	1.839
	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 4	Handheld	132322	1745	1	19.39	21.00	1.449	-	-	0.03	0.763	1.105
	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 4	Handheld	132322	1745	1	19.39	21.00	1.449	-	-	-0.07	1.420	2.057
	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 4	Handheld	132072	1720	1	19.23	21.00	1.503	-	-	-0.16	1.020	1.533
	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 4	Handheld	132572	1770	1	19.37	21.00	1.455	-	-	0.18	1.760	2.562
	LTE Band 66	20M	QPSK	1	49	-	Back	18mm	Ant 4	Sensor Off	132322	1745	1	21.38	23.00	1.452	-	-	-0.02	0.102	0.148
	LTE Band 66	20M	QPSK	1	49	-	Top Side	14mm	Ant 4	Sensor Off	132572	1770	1	21.29	23.00	1.483	-	-	0.1	0.204	0.302
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	Handheld	132322	1745	1	18.45	20.00	1.429	-	-	0.19	0.740	1.057
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	Handheld	132322	1745	1	18.45	20.00	1.429	-	-	0.05	0.943	1.347
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	Handheld	132322	1770	1	18.31	20.00	1.476	-	-	-0.19	0.933	1.377
	FR1 n66	45M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	Handheld	349000	1745	1	22.37	24.00	1.455	-	-	0.03	1.570	2.285
	FR1 n66	45M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	Handheld	349000	1745	1	22.37	24.00	1.455	-	-	-0.09	2.110	3.071
	FR1 n66	45M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	Handheld	349000	1745	1	22.37	24.00	1.455	-	-	0.19	1.680	2.445
	FR1 n66	45M	QPSK	120	60	DFT-15	Front	0mm	Ant 1	Handheld	349000	1745	1	22.32	24.00	1.472	-	-	0.08	1.640	2.415
83	FR1 n66	45M	QPSK	120	60	DFT-15	Back	0mm	Ant 1	Handheld	349000	1745	1	22.32	24.00	1.472	-	-	-0.16	2.280	3.357
	FR1 n66 Other PA	45M	QPSK	120	60	DFT-15	Bottom Side	0mm	Ant 1	Handheld	349000	1745	1	22.60	24.00	1.380	-	-	0.14	1.310	1.808
	FR1 n66	45M	QPSK	120	60	DFT-15	Bottom Side	0mm	Ant 1	Handheld	349000	1745	1	22.32	24.00	1.472	-	-	0.02	1.850	2.724
	FR1 n66	45M	QPSK	243	0	DFT-15	Front	0mm	Ant 1	Handheld	349000	1745	1	22.29	23.00	1.178	-	-	0.02	1.440	1.696
	FR1 n66	45M	QPSK	243	0	DFT-15	Back	0mm	Ant 1	Handheld	349000	1745	1	22.29	23.00	1.178	-	-	0.04	1.910	2.249
	FR1 n66	45M	QPSK	243	0	DFT-15	Bottom Side	0mm	Ant 1	Handheld	349000	1745	1	22.29	23.00	1.178	-	-	0.04	1.530	1.802
	FR1 n66	45M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	Handheld	349000	1745	1	21.32	23.00	1.472	-	-	0.17	1.570	2.312
	FR1 n66	45M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	Handheld	349000	1745	1	21.32	23.00	1.472	-	-	0.02	1.240	1.826
	FR1 n66	45M	QPSK	120	60	DFT-15	Back	0mm	Ant 4	Handheld	349000	1745	1	21.30	23.00	1.479	-	-	-0.09	1.600	2.367
	FR1 n66	45M	QPSK	120	60	DFT-15	Back	0mm	Ant 4	Handheld	349000	1745	1	21.30	23.00	1.479	-	-	0.06	1.260	1.864
	FR1 n66	45M	QPSK	243	0	DFT-15	Back	0mm	Ant 4	Handheld	349000	1745	1	21.28	22.00	1.180	-	-	-0.12	1.580	1.865
1900MHz																					
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Front	0mm	Ant 1	Handheld	661	1880	1	24.53	26.50	1.574	-	-	0.19	1.800	2.833
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Front	0mm	Ant 1	Handheld	512	1850.2	1	24.52	26.50	1.578	-	-	-0.18	1.900	2.997
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Front	0mm	Ant 1	Handheld	810	1909.8	1	24.51	26.50	1.581	-	-	0.08	1.650	2.609
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 1	Handheld	661	1880	1	24.53	26.50	1.574	-	-	0.18	2.080	3.274
84	GSM1900	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 1	Handheld	512	1850.2	1	24.52	26.50	1.578	-	-	0.14	2.200	3.471
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Back	0mm	Ant 1	Handheld	810	1909.8	1	24.51	26.50	1.581	-	-	-0.13	1.910	3.020
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Bottom Side	0mm	Ant 1	Handheld	661	1880	1	24.53	26.50	1.574	-	-	-0.08	1.970	3.101
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Bottom Side	0mm	Ant 1	Handheld	512	1850.2	1	24.52	26.50	1.578	-	-	-0.12	2.090	3.297
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Bottom Side	0mm	Ant 1	Handheld	810	1909.8	1	24.51	26.50	1.581	-	-	0.1	1.820	2.878
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Front	7mm	Ant 1	Sensor Off	512	1850.2	1	25.50	27.50	1.585	-	-	-0.14	0.410	0.650
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Back	5mm	Ant 1	Sensor Off	512	1850.2	1	25.50	27.50	1.585	-	-	-0.1	0.830	1.315
	GSM1900	-	-	-	-	GPRS 4 TX Slot	Bottom Side	9mm	Ant 1	Sensor Off	512	1850.2	1	25.50	27.50	1.585	-	-	-0.13	0.533	0.845
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	Handheld	9400	1880	1	20.76	22.00	1.330	-	-	0.07	1.740	2.315
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	Handheld	9262	1852.4	1	20.68	22.00	1.355	-	-	0.1	1.780	2.412
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	Handheld	9538	1907.6	1	20.71	22.00	1.346	-	-	-0.16	1.670	2.248
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	9400	1880	1	20.76	22.00	1.330	-	-	-0.18	2.260	3.007
85	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	9262	1852.4	1	20.68	22.00	1.355	-	-	0.07	2.300	3.117
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Handheld	9538	1907.6	1	20.71	22.00	1.346	-	-	0.02	2.150	2.894
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Handheld	9400	1880	1	20.76	22.00	1.330	-	-	0.03	1.730	2.302
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Handheld	9262	1852.4	1	20.68	22.00	1.355	-	-	-0.05	1.760	2.385
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Handheld	9538	1907.6	1	20.71	22.00	1.346	-	-	-0.03	1.650	2.221
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	7mm	Ant 1	Sensor Off	9262	1852.4	1	22.54	24.00	1.400	-	-	-0.14	0.588	0.823
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	Sensor Off	9262	1852.4	1	22.54	24.00	1.400	-	-	-0.04	1.180	1.652
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	9mm	Ant 1	Sensor Off	9262	1852.4	1	22.54	24.00	1.400	-	-	-0.07	0.824	1.153
	LTE Band 25	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	26340	1880	1	21.26	22.50	1.330	-	-	-0.07	1.820	2.421
	LTE Band 25	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	26140	1860	1	21.25	22.50	1.334	-	-	-0.1	1.830	2.440



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	LTE Band 25	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	26590	1905	1	21.24	22.50	1.337	-	-	0.16	1.750	2.339
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	26340	1880	1	21.26	22.50	1.330	-	-	0.14	2.390	3.180
86	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	26140	1860	1	21.25	22.50	1.334	-	-	-0.05	2.400	3.200
	LTE Band 2 Other PA	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	18900	1880	1	21.52	22.50	1.253	-	-	0.07	1.360	1.704
	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	26590	1905	1	21.24	22.50	1.337	-	-	0.13	2.300	3.074
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	26340	1880	1	21.26	22.50	1.330	-	-	-0.07	1.710	2.275
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	26140	1860	1	21.25	22.50	1.334	-	-	-0.12	1.720	2.294
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	26590	1905	1	21.24	22.50	1.337	-	-	0.05	1.640	2.192
	LTE Band 25	20M	QPSK	1	49	-	Front	7mm	Ant 1	Sensor Off	26140	1860	1	22.56	24.00	1.393	-	-	-0.16	0.622	0.867
	LTE Band 25	20M	QPSK	1	49	-	Back	5mm	Ant 1	Sensor Off	26140	1860	1	22.56	24.00	1.393	-	-	-0.16	1.200	1.672
	LTE Band 25	20M	QPSK	1	49	-	Bottom Side	9mm	Ant 1	Sensor Off	26140	1860	1	22.56	24.00	1.393	-	-	0.02	0.874	1.218
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	Handheld	26340	1880	1	20.21	21.50	1.346	-	-	-0.11	1.400	1.884
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	26340	1880	1	20.21	21.50	1.346	-	-	-0.15	1.830	2.463
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	26140	1860	1	20.19	21.50	1.352	-	-	0.01	1.850	2.501
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	26590	1905	1	20.16	21.50	1.361	-	-	-0.02	1.780	2.423
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	26340	1880	1	20.21	21.50	1.346	-	-	0.04	1.310	1.763
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 1	Handheld	26340	1880	1	20.04	21.50	1.400	-	-	0.13	1.350	1.889
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 1	Handheld	26340	1880	1	20.04	21.50	1.400	-	-	0.08	1.720	2.407
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	Handheld	26340	1880	1	20.04	21.50	1.400	-	-	0.11	1.240	1.735
87	LTE Band 2	20M	QPSK	1	49	-	Back	0mm	Ant 4	Handheld	18900	1880	1	22.38	24.00	1.452	-	-	0.03	1.610	2.338
	LTE Band 2	20M	QPSK	1	49	-	Back	0mm	Ant 4	Handheld	18700	1860	1	22.23	24.00	1.503	-	-	0.04	1.530	2.300
	LTE Band 2	20M	QPSK	1	49	-	Back	0mm	Ant 4	Handheld	19100	1900	1	22.25	24.00	1.496	-	-	0.1	1.220	1.825
	LTE Band 2	20M	QPSK	1	49	-	Top Side	0mm	Ant 4	Handheld	18900	1880	1	22.38	24.00	1.452	-	-	-0.15	1.340	1.946
	LTE Band 2	20M	QPSK	50	0	-	Back	0mm	Ant 4	Handheld	18900	1880	1	21.33	23.00	1.469	-	-	-0.19	1.270	1.866
	LTE Band 2	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	Handheld	18900	1880	1	21.33	23.00	1.469	-	-	0.08	0.962	1.413
	LTE Band 2	20M	QPSK	100	0	-	Back	0mm	Ant 4	Handheld	18900	1880	1	21.26	23.00	1.493	-	-	0.03	1.200	1.791
	FR1 n2	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	Handheld	376000	1880	1	21.65	23.00	1.365	-	-	-0.1	1.600	2.183
	FR1 n2	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	Handheld	376000	1880	1	21.65	23.00	1.365	-	-	0.01	2.070	2.825
	FR1 n2	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	Handheld	376000	1880	1	21.65	23.00	1.365	-	-	0.05	1.510	2.061
	FR1 n2	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 1	Handheld	376000	1880	1	21.58	23.00	1.387	-	-	-0.13	1.670	2.316
88	FR1 n2	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 1	Handheld	376000	1880	1	21.58	23.00	1.387	-	-	0.12	2.160	2.995
	FR1 n2 Other PA	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 1	Handheld	376000	1880	1	21.27	23.00	1.489	-	-	0	1.460	2.174
	FR1 n2	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 1	Handheld	376000	1880	1	21.58	23.00	1.387	-	-	0.03	1.530	2.122
	FR1 n2	40M	QPSK	108	54	DFT-15	Front	7mm	Ant 1	Sensor Off	376000	1880	1	22.53	24.00	1.403	-	-	-0.03	0.464	0.651
	FR1 n2	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	Sensor Off	376000	1880	1	22.53	24.00	1.403	-	-	0.06	0.887	1.244
	FR1 n2	40M	QPSK	108	54	DFT-15	Bottom Side	9mm	Ant 1	Sensor Off	376000	1880	1	22.53	24.00	1.403	-	-	0.04	0.639	0.896
	FR1 n2	40M	QPSK	216	0	DFT-15	Front	0mm	Ant 1	Handheld	376000	1880	1	21.53	23.00	1.403	-	-	0.08	1.570	2.202
	FR1 n2	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 1	Handheld	376000	1880	1	21.53	23.00	1.403	-	-	0.07	2.030	2.848
	FR1 n2	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 1	Handheld	376000	1880	1	21.53	23.00	1.403	-	-	0.13	1.420	1.992
2600MHz																					
	LTE Band 7	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	21100	2535	1	20.06	21.50	1.393	-	-	0.09	1.550	2.159
	LTE Band 7	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	20850	2510	1	20.02	21.50	1.406	-	-	0.1	1.600	2.250
	LTE Band 7	20M	QPSK	1	49	-	Front	0mm	Ant 1	Handheld	21350	2560	1	20.03	21.50	1.403	-	-	0.13	1.630	2.287
	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	21100	2535	1	20.06	21.50	1.393	-	-	0.15	2.180	3.037
	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	20850	2510	1	20.02	21.50	1.406	-	-	0.1	2.240	3.150
	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	21350	2560	1	20.03	21.50	1.403	-	-	0.07	2.280	3.198
	LTE Band 7	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	21100	2535	1	20.06	21.50	1.393	-	-	-0.09	2.210	3.079
	LTE Band 7	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	20850	2510	1	20.02	21.50	1.406	-	-	0.05	2.270	3.192
89	LTE Band 7	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	21350	2560	1	20.03	21.50	1.403	-	-	-0.07	2.310	3.240
	LTE Band 7 Other PA	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	21100	2535	1	20.51	21.50	1.256	-	-	-0.05	1.330	1.671
	LTE Band 7C	20M	QPSK	1	99	-	Bottom Side	0mm	Ant 1	Handheld	21350+ 21152	2560+ 2540.2	1	19.60	21.50	1.549	-	-	0.02	1.890	2.927
	LTE Band 7	20M	QPSK	1	49	-	Front	7mm	Ant 1	Sensor Off	21350	2560	1	22.43	24.00	1.435	-	-	-0.01	0.373	0.535
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 1	Sensor Off	21350	2560	1	22.43	24.00	1.435	-	-	0.05	0.932	1.338
	LTE Band 7	20M	QPSK	1	49	-	Bottom Side	9mm	Ant 1	Sensor Off	21350	2560	1	22.43	24.00	1.435	-	-	0.06	0.354	0.508
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	Handheld	21100	2535	1	19.11	20.50	1.377	-	-	-0.12	1.160	1.598



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	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	21100	2535	1	19.11	20.50	1.377	-	-	0.12	1.630	2.245
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	20850	2510	1	19.04	20.50	1.400	-	-	0.14	1.700	2.379
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	21350	2560	1	19.08	20.50	1.387	-	-	-0.13	1.720	2.385
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	21100	2535	1	19.11	20.50	1.377	-	-	0.12	1.650	2.272
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	20850	2510	1	19.04	20.50	1.400	-	-	0.12	1.730	2.421
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	21350	2560	1	19.08	20.50	1.387	-	-	-0.19	1.740	2.413
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 1	Handheld	21100	2535	1	18.99	20.50	1.416	-	-	-0.15	1.170	1.656
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	Handheld	21100	2535	1	18.99	20.50	1.416	-	-	0.19	1.640	2.322
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	Handheld	21100	2535	1	18.99	20.50	1.416	-	-	0.07	1.670	2.364
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	40620	2593	1	21.74	23.00	1.337	62.9	1.006	-0.12	1.680	2.259
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	39790	2510	1	21.44	23.00	1.432	62.9	1.006	0.04	1.740	2.507
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	39750	2506	1	21.45	23.00	1.429	62.9	1.006	-0.14	1.760	2.530
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	40185	2549.5	1	21.61	23.00	1.377	62.9	1.006	-0.1	1.740	2.411
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	41055	2636.5	1	21.64	23.00	1.368	62.9	1.006	-0.02	1.660	2.284
	LTE Band 41	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	41490	2680	1	21.70	23.00	1.349	62.9	1.006	0.15	1.530	2.076
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	40620	2593	1	21.74	23.00	1.337	62.9	1.006	-0.04	1.890	2.541
90	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	39750	2506	1	21.45	23.00	1.429	62.9	1.006	-0.06	1.980	2.846
	LTE Band 41 Other PA	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	39750	2506	1	21.84	23.00	1.306	62.9	1.006	0.02	1.250	1.643
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	40185	2549.5	1	21.61	23.00	1.377	62.9	1.006	-0.14	1.960	2.716
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	41055	2636.5	1	21.64	23.00	1.368	62.9	1.006	0.14	1.870	2.573
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 1	Handheld	41490	2680	1	21.70	23.00	1.349	62.9	1.006	0.19	1.720	2.334
	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Ant 1	Sensor Off	39750	2506	1	22.45	24.00	1.429	62.9	1.006	0.05	0.899	1.292
	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	9mm	Ant 1	Sensor Off	39750	2506	1	22.45	24.00	1.429	62.9	1.006	0.09	0.387	0.556
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	40620	2593	1	20.88	22.00	1.294	62.9	1.006	0.18	1.330	1.732
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	39750	2506	1	20.50	22.00	1.413	62.9	1.006	-0.02	1.400	1.989
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	40185	2549.5	1	20.56	22.00	1.393	62.9	1.006	0.07	1.380	1.934
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	41055	2636.5	1	20.82	22.00	1.312	62.9	1.006	0.09	1.320	1.742
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	Handheld	41490	2680	1	20.86	22.00	1.300	62.9	1.006	-0.13	1.220	1.596
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	40620	2593	1	20.88	22.00	1.294	62.9	1.006	0.07	1.500	1.953
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	39750	2506	1	20.50	22.00	1.413	62.9	1.006	0.19	1.570	2.231
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	40185	2549.5	1	20.56	22.00	1.393	62.9	1.006	0.07	1.560	2.186
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	41055	2636.5	1	20.82	22.00	1.312	62.9	1.006	0.14	1.490	1.967
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	Handheld	41490	2680	1	20.86	22.00	1.300	62.9	1.006	-0.18	1.370	1.792
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 1	Handheld	40620	2593	1	20.87	22.00	1.297	62.9	1.006	0.1	1.270	1.657
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	Handheld	40620	2593	1	20.87	22.00	1.297	62.9	1.006	-0.01	1.430	1.866
	FR1 n7	50M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	Handheld	507000	2535	1	19.83	21.50	1.469	-	-	-0.05	1.580	2.321
	FR1 n7	50M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	Handheld	507000	2535	1	19.83	21.50	1.469	-	-	0.17	2.130	3.129
	FR1 n7	50M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	1	19.83	21.50	1.469	-	-	-0.15	2.330	3.423
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	0mm	Ant 1	Handheld	507000	2535	1	19.81	21.50	1.476	-	-	0.04	1.660	2.450
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 1	Handheld	507000	2535	1	19.81	21.50	1.476	-	-	-0.13	2.250	3.320
91	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	1	19.81	21.50	1.476	-	-	-0.03	2.400	3.542
	FR1 n7 Other PA	50M	QPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	1	20.60	21.50	1.230	-	-	0.05	1.550	1.907
	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	2	19.81	21.50	1.476	-	-	-0.12	2.300	3.394
	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	3	19.81	21.50	1.476	-	-	0.03	2.130	3.143
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	7mm	Ant 1	Sensor Off	507000	2535	1	22.06	24.00	1.563	-	-	0.06	0.425	0.664
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	5mm	Ant 1	Sensor Off	507000	2535	1	22.06	24.00	1.563	-	-	0.14	0.967	1.512
	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	9mm	Ant 1	Sensor Off	507000	2535	1	22.06	24.00	1.563	-	-	-0.09	0.427	0.667
	FR1 n7	50M	QPSK	270	0	DFT-15	Front	0mm	Ant 1	Handheld	507000	2535	1	19.72	21.50	1.507	-	-	-0.19	1.630	2.456
	FR1 n7	50M	QPSK	270	0	DFT-15	Back	0mm	Ant 1	Handheld	507000	2535	1	19.72	21.50	1.507	-	-	-0.19	2.060	3.104
	FR1 n7	50M	QPSK	270	0	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	1	19.72	21.50	1.507	-	-	0.05	2.350	3.541
	FR1 n7	50M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	Handheld	507000	2535	1	19.84	21.00	1.306	-	-	0.19	0.519	0.678
	FR1 n7	50M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	Handheld	507000	2535	1	19.84	21.00	1.306	-	-	-0.01	1.730	2.260
	FR1 n7	50M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	Handheld	507000	2535	1	19.84	21.00	1.306	-	-	0.11	1.430	1.868
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	0mm	Ant 4	Handheld	507000	2535	1	19.82	21.00	1.312	-	-	-0.1	0.535	0.702
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 4	Handheld	507000	2535	1	19.82	21.00	1.312	-	-	-0.01	1.780	2.336
	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	0mm	Ant 4	Handheld	507000	2535	1	19.82	21.00	1.312	-	-	0.11	1.480	1.942



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	FR1 n7	50M	QPSK	135	68	DFT-15	Front	12mm	Ant 4	Sensor Off	507000	2535	1	21.25	23.00	1.496	-	-	0.02	0.147	0.220
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	18mm	Ant 4	Sensor Off	507000	2535	1	21.25	23.00	1.496	-	-	-0.07	0.171	0.256
	FR1 n7	50M	QPSK	270	0	DFT-15	Back	0mm	Ant 4	Handheld	507000	2535	1	19.70	21.00	1.349	-	-	-0.02	1.740	2.347
	FR1 n7	50M	QPSK	270	0	DFT-15	Top Side	0mm	Ant 4	Handheld	507000	2535	1	19.70	21.00	1.349	-	-	0.01	1.320	1.781
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 1	Handheld	518598	2592.99	1	20.82	22.00	1.312	-	-	0.01	1.590	2.086
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	0mm	Ant 1	Handheld	518598	2592.99	1	20.82	22.00	1.312	-	-	-0.01	1.810	2.375
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	Handheld	518598	2592.99	1	20.70	22.00	1.349	-	-	0	1.580	2.131
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 1	Handheld	518598	2592.99	1	20.70	22.00	1.349	-	-	0.13	1.800	2.428
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	Sensor Off	518598	2592.99	1	22.67	24.00	1.358	-	-	0.02	0.925	1.256
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	9mm	Ant 1	Sensor Off	518598	2592.99	1	22.67	24.00	1.358	-	-	0.13	0.435	0.591
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 1	Handheld	518598	2592.99	1	20.58	22.00	1.387	-	-	-0.18	1.520	2.108
	FR1 n41	100M	QPSK	270	0	DFT-30	Bottom Side	0mm	Ant 1	Handheld	518598	2592.99	1	20.58	22.00	1.387	-	-	-0.15	1.660	2.302
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	0mm	Ant 4	Handheld	518598	2592.99	1	21.34	23.00	1.466	-	-	0.11	0.477	0.699
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 4	Handheld	518598	2592.99	1	21.34	23.00	1.466	-	-	0.06	1.660	2.433
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 4	Handheld	518598	2592.99	1	21.34	23.00	1.466	-	-	-0.03	1.790	2.623
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 4	Handheld	518598	2592.99	1	21.29	23.00	1.483	-	-	0.07	0.480	0.712
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 4	Handheld	518598	2592.99	1	21.29	23.00	1.483	-	-	-0.07	1.670	2.476
92	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	Handheld	518598	2592.99	1	21.29	23.00	1.483	-	-	-0.01	1.830	2.713
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 4	Handheld	518598	2592.99	1	21.01	22.00	1.256	-	-	0.08	1.640	2.060
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 4	Handheld	518598	2592.99	1	21.01	22.00	1.256	-	-	0.04	1.750	2.198
3500MHz																					
	LTE Band 42	20M	QPSK	1	49	-	Front	0mm	Ant 5	Handheld	42190	3460	1	20.71	21.50	1.199	62.9	1.006	0.12	1.150	1.388
	LTE Band 42	20M	QPSK	1	49	-	Back	0mm	Ant 5	Handheld	42190	3460	1	20.71	21.50	1.199	62.9	1.006	0.05	1.600	1.931
	LTE Band 42	20M	QPSK	1	49	-	Top Side	0mm	Ant 5	Handheld	42190	3460	1	20.71	21.50	1.199	62.9	1.006	0	1.940	2.341
93	LTE Band 42	20M	QPSK	1	49	-	Top Side	0mm	Ant 5	Handheld	42590	3500	1	20.60	21.50	1.230	62.9	1.006	-0.16	2.110	2.611
	LTE Band 42	20M	QPSK	1	49	-	Top Side	0mm	Ant 5	Handheld	42990	3540	1	20.54	21.50	1.247	62.9	1.006	-0.11	2.080	2.610
	LTE Band 42	20M	QPSK	1	49	-	Back	0mm	Ant 5	Handheld	42590	3500	1	20.60	21.50	1.230	62.9	1.006	0.04	1.580	1.955
	LTE Band 42	20M	QPSK	1	49	-	Back	0mm	Ant 5	Handheld	42990	3540	1	20.54	21.50	1.247	62.9	1.006	0.07	1.490	1.870
	LTE Band 42	20M	QPSK	1	49	-	Front	8mm	Ant 5	Sensor Off	42190	3460	1	23.08	24.00	1.236	62.9	1.006	0.15	0.328	0.408
	LTE Band 42	20M	QPSK	1	49	-	Back	15mm	Ant 5	Sensor Off	42190	3460	1	23.08	24.00	1.236	62.9	1.006	-0.06	0.265	0.329
	LTE Band 42	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	Sensor Off	42590	3500	1	23.07	24.00	1.239	62.9	1.006	0.05	0.475	0.592
	LTE Band 42	20M	QPSK	50	0	-	Front	0mm	Ant 5	Handheld	42190	3460	1	19.71	20.50	1.199	62.9	1.006	-0.03	0.848	1.023
	LTE Band 42	20M	QPSK	50	0	-	Back	0mm	Ant 5	Handheld	42190	3460	1	19.71	20.50	1.199	62.9	1.006	-0.06	1.190	1.436
	LTE Band 42	20M	QPSK	50	0	-	Top Side	0mm	Ant 5	Handheld	42190	3460	1	19.71	20.50	1.199	62.9	1.006	-0.03	1.420	1.714
	LTE Band 42	20M	QPSK	50	0	-	Top Side	0mm	Ant 5	Handheld	42590	3500	1	19.69	20.50	1.205	62.9	1.006	0.05	1.550	1.879
	LTE Band 42	20M	QPSK	50	0	-	Top Side	0mm	Ant 5	Handheld	42990	3540	1	19.55	20.50	1.245	62.9	1.006	0.01	1.610	2.016
	LTE Band 42	20M	QPSK	100	0	-	Back	0mm	Ant 5	Handheld	42190	3460	1	19.64	20.50	1.219	62.9	1.006	0.03	1.110	1.361
	LTE Band 42	20M	QPSK	100	0	-	Top Side	0mm	Ant 5	Handheld	42190	3460	1	19.64	20.50	1.219	62.9	1.006	0.15	1.460	1.790
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	0mm	Ant 5	Handheld	633332	3499.98	1	19.86	21.50	1.459	-	-	0.14	1.170	1.707
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 5	Handheld	633332	3499.98	1	19.86	21.50	1.459	-	-	-0.07	1.450	2.115
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 5	Handheld	633332	3499.98	1	19.86	21.50	1.459	-	-	0.07	1.780	2.597
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 5	Handheld	633332	3499.98	1	19.81	21.50	1.476	-	-	-0.06	1.210	1.786
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 5	Handheld	633332	3499.98	1	19.81	21.50	1.476	-	-	-0.18	1.490	2.199
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 5	Handheld	633332	3499.98	1	19.81	21.50	1.476	-	-	0.01	1.840	2.715
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	8mm	Ant 5	Sensor Off	633332	3499.98	1	22.22	24.00	1.507	-	-	-0.14	0.433	0.652
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 5	Sensor Off	633332	3499.98	1	22.22	24.00	1.507	-	-	-0.1	0.415	0.625
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 5	Sensor Off	633332	3499.98	1	22.22	24.00	1.507	-	-	0.19	0.678	1.021
	FR1 n77 Part27Q	100M	QPSK	270	0	DFT-30	Front	0mm	Ant 5	Handheld	633332	3499.98	1	19.77	21.50	1.489	-	-	0.15	1.010	1.504
	FR1 n77 Part27Q	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 5	Handheld	633332	3499.98	1	19.77	21.50	1.489	-	-	0.08	1.430	2.130
	FR1 n77 Part27Q	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 5	Handheld	633332	3499.98	1	19.77	21.50	1.489	-	-	0	1.770	2.636
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	0mm	Ant 5	Handheld	656000	3840	1	20.14	21.50	1.368	-	-	-0.17	1.040	1.422
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 5	Handheld	656000	3840	1	20.14	21.50	1.368	-	-	-0.13	1.200	1.641
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 5	Handheld	656000	3840	1	20.14	21.50	1.368	-	-	0.19	1.830	2.503
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	8mm	Ant 5	Sensor Off	656000	3840	1	22.50	24.00	1.413	-	-	0.11	0.413	0.583
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 5	Sensor Off	656000	3840	1	22.50	24.00	1.413	-	-	0.02	0.369	0.521
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 5	Sensor Off	656000	3840	1	22.50	24.00	1.413	-	-	0.15	0.538	0.760



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	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 5	Handheld	656000	3840	1	20.07	21.50	1.390	-	-	0.18	1.020	1.418
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 5	Handheld	656000	3840	1	20.07	21.50	1.390	-	-	-0.13	1.140	1.585
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 5	Handheld	656000	3840	1	20.07	21.50	1.390	-	-	-0.07	1.780	2.474
	FR1 n77 Part270	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 5	Handheld	656000	3840	1	19.96	21.50	1.426	-	-	0.12	0.975	1.390
	FR1 n77 Part270	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 5	Handheld	656000	3840	1	19.96	21.50	1.426	-	-	-0.02	1.700	2.424
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 3	Sensor Off	633332	3499.98	1	16.96	18.00	1.271	-	-	0.09	2.060	2.617
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor Off	633332	3499.98	1	16.89	18.00	1.291	-	-	0.13	2.000	2.582
	FR1 n77 Part27Q	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 3	Sensor Off	633332	3499.98	1	16.74	18.00	1.337	-	-	0.07	1.750	2.339
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 3	Sensor Off	656000	3840	1	16.71	18.00	1.346	-	-	0.02	1.610	2.167
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor Off	656000	3840	1	16.56	18.00	1.393	-	-	-0.06	1.680	2.341
	FR1 n77 Part270	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 3	Sensor Off	656000	3840	1	16.54	18.00	1.400	-	-	-0.07	1.670	2.337
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 7	Handheld	633332	3499.98	1	20.00	21.00	1.259	-	-	0.09	2.130	2.682
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Right Side	0mm	Ant 7	Handheld	633332	3499.98	1	20.00	21.00	1.259	-	-	-0.19	0.918	1.156
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	Handheld	633332	3499.98	1	20.00	21.00	1.259	-	-	-0.06	0.845	1.064
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	Sensor Off	633332	3499.98	1	22.90	24.00	1.288	-	-	-0.04	0.606	0.781
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Right Side	9mm	Ant 7	Sensor Off	633332	3499.98	1	22.90	24.00	1.288	-	-	0.17	0.500	0.644
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	Sensor Off	633332	3499.98	1	22.90	24.00	1.288	-	-	-0.08	0.368	0.474
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 7	Handheld	633332	3499.98	1	19.94	21.00	1.276	-	-	-0.09	2.030	2.591
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 7	Handheld	633332	3499.98	1	19.94	21.00	1.276	-	-	-0.12	0.880	1.123
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	Handheld	633332	3499.98	1	19.94	21.00	1.276	-	-	0.1	0.818	1.044
	FR1 n77 Part27Q	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 7	Handheld	633332	3499.98	1	19.92	21.00	1.282	-	-	-0.18	1.910	2.449
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Front	0mm	Ant 7	Handheld	656000	3840	1	20.59	21.00	1.099	-	-	-0.09	0.713	0.784
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 7	Handheld	656000	3840	1	20.59	21.00	1.099	-	-	-0.02	2.150	2.363
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Right Side	0mm	Ant 7	Handheld	656000	3840	1	20.59	21.00	1.099	-	-	-0.05	0.895	0.984
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	Handheld	656000	3840	1	20.59	21.00	1.099	-	-	-0.18	0.811	0.891
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Front	8mm	Ant 7	Sensor Off	656000	3840	1	23.43	24.00	1.140	-	-	-0.06	0.273	0.311
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	Sensor Off	656000	3840	1	23.43	24.00	1.140	-	-	-0.19	0.503	0.574
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Right Side	9mm	Ant 7	Sensor Off	656000	3840	1	23.43	24.00	1.140	-	-	-0.12	0.593	0.676
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	Sensor Off	656000	3840	1	23.43	24.00	1.140	-	-	0.08	0.315	0.359
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 7	Handheld	656000	3840	1	20.48	21.00	1.127	-	-	0.18	0.680	0.766
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 7	Handheld	656000	3840	1	20.48	21.00	1.127	-	-	-0.09	2.020	2.277
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 7	Handheld	656000	3840	1	20.48	21.00	1.127	-	-	-0.03	0.861	0.971
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	Handheld	656000	3840	1	20.48	21.00	1.127	-	-	-0.1	0.784	0.884
	FR1 n77 Part270	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 7	Handheld	656000	3840	1	20.45	21.00	1.135	-	-	-0.06	1.970	2.236
	FR1 n77 Part270	100M	QPSK	1	137	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	1	18.39	19.50	1.291	-	-	0.06	2.190	2.828
94	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	1	18.18	19.50	1.355	-	-	0.05	2.210	2.995
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	2	18.18	19.50	1.355	-	-	0.04	2.060	2.792
	FR1 n77 Part270	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	3	18.18	19.50	1.355	-	-	-0.15	1.740	2.358
	FR1 n77 Part270	100M	QPSK	270	0	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	1	16.93	18.50	1.435	-	-	0.04	2.060	2.957

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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)
WLAN&BT																	
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 5	Handheld	36	5180	1	18.01	19.50	1.409	96.55	1.036	0.17	0.341	0.498
95	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	36	5180	1	18.01	19.50	1.409	96.55	1.036	-0.06	1.870	2.730
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	40	5200	1	17.86	19.50	1.459	96.55	1.036	0.18	1.650	2.494
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	44	5220	1	17.86	19.50	1.459	96.55	1.036	-0.02	1.780	2.690
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	48	5240	1	17.81	19.50	1.476	96.55	1.036	-0.11	1.660	2.538
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	Simultaneous	46	5230	1	13.76	15.50	1.493	100	1.000	0.17	0.136	0.203
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	Simultaneous	46	5230	1	13.76	15.50	1.493	100	1.000	0.08	0.738	1.102
	WLAN5.2GHz	802.11a 6Mbps	Back	15mm	Ant 5	Full Power	36	5180	1	18.92	20.50	1.438	96.55	1.036	0.19	0.094	0.140
	WLAN5.2GHz	802.11a 6Mbps	Top Side	10mm	Ant 5	Full Power	36	5180	1	18.92	20.50	1.438	96.55	1.036	-0.04	0.230	0.343
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 5	Handheld	60	5300	1	17.99	19.50	1.416	96.55	1.036	0.05	0.354	0.519
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 5	Handheld	60	5300	1	17.99	19.50	1.416	96.55	1.036	-0.05	0.394	0.578
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 5	Handheld	60	5300	1	17.99	19.50	1.416	96.55	1.036	0.09	0.080	0.117



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96	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	60	5300	1	17.99	19.50	1.416	96.55	1.036	0.08	1.850	2.714
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	52	5260	1	17.94	19.50	1.432	96.55	1.036	0.03	1.740	2.582
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	56	5280	1	17.86	19.50	1.459	96.55	1.036	0.14	1.750	2.645
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	64	5320	1	17.86	19.50	1.459	96.55	1.036	-0.18	1.530	2.312
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Simultaneous	58	5290	1	13.69	15.50	1.517	100	1.000	0.05	0.156	0.237
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	Simultaneous	58	5290	1	13.69	15.50	1.517	100	1.000	-0.07	0.713	1.082
	WLAN5.3GHz	802.11a 6Mbps	Front	8mm	Ant 5	Full Power	60	5300	1	18.91	20.50	1.441	96.55	1.036	0.02	0.071	0.106
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 5	Full Power	60	5300	1	18.91	20.50	1.441	96.55	1.036	-0.01	0.093	0.139
	WLAN5.3GHz	802.11a 6Mbps	Right Side	9mm	Ant 5	Full Power	60	5300	1	18.91	20.50	1.441	96.55	1.036	-0.01	0.039	0.058
	WLAN5.3GHz	802.11a 6Mbps	Top Side	10mm	Ant 5	Full Power	60	5300	1	18.91	20.50	1.441	96.55	1.036	0.06	0.212	0.317
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 5	Handheld	100	5500	1	18.02	19.50	1.406	96.55	1.036	-0.14	0.265	0.386
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 5	Handheld	100	5500	1	18.02	19.50	1.406	96.55	1.036	0.15	0.386	0.562
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5	Handheld	100	5500	1	18.02	19.50	1.406	96.55	1.036	-0.03	0.096	0.140
97	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	100	5500	1	18.02	19.50	1.406	96.55	1.036	0.05	2.000	2.913
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	116	5580	1	17.85	19.50	1.462	96.55	1.036	-0.16	1.910	2.893
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	124	5620	1	17.94	19.50	1.432	96.55	1.036	0.13	1.880	2.789
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	132	5660	1	17.96	19.50	1.426	96.55	1.036	0.18	1.920	2.836
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	140	5700	1	16.36	18.00	1.459	96.55	1.036	0.02	1.910	2.887
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	144	5720	1	18.01	19.50	1.409	96.55	1.036	-0.18	1.840	2.686
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Simultaneous	138	5690	1	13.83	15.50	1.469	100	1.000	0.15	0.149	0.219
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	Simultaneous	138	5690	1	13.83	15.50	1.469	100	1.000	0.03	0.769	1.130
	WLAN5.5GHz	802.11a 6Mbps	Front	8mm	Ant 5	Full Power	100	5500	1	18.98	20.50	1.418	96.55	1.036	-0.16	0.063	0.093
	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 5	Full Power	100	5500	1	18.98	20.50	1.418	96.55	1.036	-0.17	0.079	0.116
	WLAN5.5GHz	802.11a 6Mbps	Right Side	9mm	Ant 5	Full Power	100	5500	1	18.98	20.50	1.418	96.55	1.036	-0.19	0.051	0.075
	WLAN5.5GHz	802.11a 6Mbps	Top Side	10mm	Ant 5	Full Power	100	5500	1	18.98	20.50	1.418	96.55	1.036	0.09	0.231	0.339
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 5	Handheld	157	5785	1	18.23	19.50	1.340	96.55	1.036	0.14	0.571	0.792
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	157	5785	1	18.23	19.50	1.340	96.55	1.036	0.17	1.820	2.526
98	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	149	5745	1	18.22	19.50	1.343	96.55	1.036	-0.02	2.130	2.963
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	149	5745	2	18.22	19.50	1.343	96.55	1.036	-0.12	1.730	2.407
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	149	5745	3	18.22	19.50	1.343	96.55	1.036	0.03	1.790	2.490
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	165	5825	1	18.12	19.50	1.374	96.55	1.036	0.16	1.580	2.249
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Simultaneous	155	5775	1	13.66	15.50	1.528	100	1.000	-0.09	0.222	0.339
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	Simultaneous	155	5775	1	13.66	15.50	1.528	100	1.000	0.04	0.825	1.260
	WLAN5.8GHz	802.11a 6Mbps	Back	15mm	Ant 5	Full Power	157	5785	1	18.69	20.00	1.351	96.55	1.036	-0.01	0.132	0.185
	WLAN5.8GHz	802.11a 6Mbps	Top Side	10mm	Ant 5	Full Power	149	5745	1	18.61	20.00	1.376	96.55	1.036	-0.03	0.296	0.422

15.5 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)	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	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Receiver on	1	2412	18.90	20.00	1.288	99.64	1.004	-0.03	1.010	1	1.306
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Receiver on	1	2412	18.90	20.00	1.288	99.64	1.004	0.04	0.998	1.012	1.291
1st	LTE Band 26	15M	QPSK	1	37	-	Back	5mm	Ant 0	Hotspot on	26865	831.5	22.74	24.00	1.337	-	-	0.05	1.070	1	1.430
2nd	LTE Band 26	15M	QPSK	1	37	-	Back	5mm	Ant 0	Hotspot on	26865	831.5	22.74	24.00	1.337	-	-	0.04	1.050	1.019	1.403
1st	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 1	Hotspot on	349000	1745	19.52	21.00	1.406	-	-	-0.02	0.981	1	1.379
2nd	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 1	Hotspot on	349000	1745	19.52	21.00	1.406	-	-	0.04	0.956	1.026	1.344
1st	FR1 n2	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	Sensor on	376000	1880	20.05	21.50	1.396	-	-	0.06	0.976	1	1.363
2nd	FR1 n2	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	Sensor on	376000	1880	20.05	21.50	1.396	-	-	-0.07	0.945	1.033	1.320
1st	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	Hotspot on	518598	2592.99	20.82	22.00	1.312	-	-	-0.07	0.952	1	1.249
2nd	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	Hotspot on	518598	2592.99	20.82	22.00	1.312	-	-	0.04	0.948	1.004	1.244
1st	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 9	Hotspot on	656000	3840	16.41	17.50	1.285	-	-	0.06	1.040	1	1.337
2nd	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 9	Hotspot on	656000	3840	16.41	17.50	1.285	-	-	0.04	0.974	1.068	1.252

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	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 66	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	132572	1770	21.25	22.50	1.334	-	-	-0.12	2.400	1	3.200
2nd	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	132572	1770	21.25	22.50	1.334	-	-	0.03	2.340	1.026	3.120
1st	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	26140	1860	21.25	22.50	1.334	-	-	-0.05	2.400	1	3.200
2nd	LTE Band 25	20M	QPSK	1	49	-	Back	0mm	Ant 1	Handheld	26140	1860	21.25	22.50	1.334	-	-	0.07	2.370	1.013	3.160
1st	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	19.81	21.50	1.476	-	-	-0.03	2.400	1	3.542
2nd	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	Handheld	507000	2535	19.81	21.50	1.476	-	-	0.08	2.380	1.008	3.512
1st	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 7	Handheld	633332	3499.98	20.00	21.00	1.259	-	-	0.09	2.130	1	2.682
2nd	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 7	Handheld	633332	3499.98	20.00	21.00	1.259	-	-	0.01	2.000	1.065	2.518
1st	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	18.18	19.50	1.355	-	-	0.05	2.210	1	2.995
2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 9	Sensor Off	656000	3840	18.18	19.50	1.355	-	-	0.05	1.980	1.116	2.683
1st	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	100	5500	18.02	19.50	1.406	96.55	1.036	0.05	2.000	1	2.913
2nd	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	100	5500	18.02	19.50	1.406	96.55	1.036	0.05	1.890	1.058	2.753
1st	WLAN5.8GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	149	5745	18.22	19.50	1.343	96.55	1.036	-0.02	2.130	1	2.963
2nd	WLAN5.8GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5	Handheld	149	5745	18.22	19.50	1.343	96.55	1.036	0.04	2.120	1.005	2.949

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR < 1.45 W/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. 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 + Bluetooth	Yes	Yes	Yes	Yes
4.	WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes
6.	WWAN + WLAN2.4GHz + NFC				Yes
7.	WWAN + WLAN5GHz + NFC				Yes
8.	WWAN + Bluetooth + NFC				Yes
9.	WLAN5GHz+ Bluetooth + NFC				Yes
10.	WWAN + WLAN5GHz + Bluetooth + NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment though they have independent antenna.
- 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).
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz and Bluetooth cannot transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- For distance SAR and non-distance SAR at extremity exposure conditions always chose higher SAR to do co-located analysis.
- 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.
- For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT together. This is the worst co-located analysis and can represent each band.
- For inter-band ULCA SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE/NR bands.
- For EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position and also the worst SAR of the selected 5GNR Bands within the selected antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5GNR bands.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, 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.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - The SPLSR calculated results please refer to section 16.5.

16.1 Head Exposure Conditions

Exposure Position	4	5	4+5
	WLAN5GHz Ant 5	Bluetooth Ant 6	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Right Cheek	0.955	0.074	1.03
Right Tilted	1.154	0.070	1.22
Left Cheek	0.988	0.152	1.14
Left Tilted	1.170	0.111	1.28

WWAN Band	Exposure Position	1	3	4	5	1+3	1+4+5
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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)
GSM850 Ant 0	Right Cheek	0.286	0.440	0.440	0.074	0.73	0.80
	Right Tilted	0.129	0.418	0.549	0.070	0.55	0.75
	Left Cheek	0.426	0.529	0.402	0.152	0.96	0.98
	Left Tilted	0.205	0.362	0.565	0.111	0.57	0.88
GSM1900 Ant 1	Right Cheek	0.216	0.440	0.440	0.074	0.66	0.73
	Right Tilted	0.076	0.418	0.549	0.070	0.49	0.70
	Left Cheek	0.198	0.529	0.402	0.152	0.73	0.75
	Left Tilted	0.066	0.362	0.565	0.111	0.43	0.74
WCDMA II Ant 1	Right Cheek	0.320	0.440	0.440	0.074	0.76	0.83
	Right Tilted	0.159	0.418	0.549	0.070	0.58	0.78
	Left Cheek	0.291	0.529	0.402	0.152	0.82	0.85
	Left Tilted	0.143	0.362	0.565	0.111	0.51	0.82
WCDMA IV Ant 1	Right Cheek	0.126	0.440	0.440	0.074	0.57	0.64
	Right Tilted	0.073	0.418	0.549	0.070	0.49	0.69
	Left Cheek	0.184	0.529	0.402	0.152	0.71	0.74
	Left Tilted	0.078	0.362	0.565	0.111	0.44	0.75
WCDMA V Ant 0	Right Cheek	0.218	0.440	0.440	0.074	0.66	0.73
	Right Tilted	0.116	0.418	0.549	0.070	0.53	0.74
	Left Cheek	0.338	0.529	0.402	0.152	0.87	0.89
	Left Tilted	0.175	0.362	0.565	0.111	0.54	0.85
LTE Band 2 Ant 4	Right Cheek	0.830	0.440	0.440	0.074	1.27	1.34
	Right Tilted	0.533	0.418	0.549	0.070	0.95	1.15
	Left Cheek	0.502	0.529	0.402	0.152	1.03	1.06
	Left Tilted	0.523	0.362	0.565	0.111	0.89	1.20
LTE Band 5 Ant 4	Right Cheek	0.507	0.440	0.440	0.074	0.95	1.02
	Right Tilted	0.417	0.418	0.549	0.070	0.84	1.04
	Left Cheek	0.221	0.529	0.402	0.152	0.75	0.78
	Left Tilted	0.208	0.362	0.565	0.111	0.57	0.88
LTE Band 7 Ant 1	Right Cheek	0.437	0.440	0.440	0.074	0.88	0.95
	Right Tilted	0.124	0.418	0.549	0.070	0.54	0.74
	Left Cheek	0.203	0.529	0.402	0.152	0.73	0.76
	Left Tilted	0.159	0.362	0.565	0.111	0.52	0.84
LTE Band 12 Ant 0	Right Cheek	0.183	0.440	0.440	0.074	0.62	0.70
	Right Tilted	0.104	0.418	0.549	0.070	0.52	0.72
	Left Cheek	0.283	0.529	0.402	0.152	0.81	0.84
	Left Tilted	0.155	0.362	0.565	0.111	0.52	0.83
LTE Band 13 Ant 0	Right Cheek	0.141	0.440	0.440	0.074	0.58	0.66
	Right Tilted	0.070	0.418	0.549	0.070	0.49	0.69
	Left Cheek	0.203	0.529	0.402	0.152	0.73	0.76
	Left Tilted	0.117	0.362	0.565	0.111	0.48	0.79
LTE Band 25 Ant 1	Right Cheek	0.300	0.440	0.440	0.074	0.74	0.81
	Right Tilted	0.146	0.418	0.549	0.070	0.56	0.77



	Left Cheek	0.267	0.529	0.402	0.152	0.80	0.82
	Left Tilted	0.120	0.362	0.565	0.111	0.48	0.80
LTE Band 26 Ant 0	Right Cheek	0.174	0.440	0.440	0.074	0.61	0.69
	Right Tilted	0.092	0.418	0.549	0.070	0.51	0.71
	Left Cheek	0.259	0.529	0.402	0.152	0.79	0.81
	Left Tilted	0.132	0.362	0.565	0.111	0.49	0.81
LTE Band 66 Ant 1	Right Cheek	0.153	0.440	0.440	0.074	0.59	0.67
	Right Tilted	0.086	0.418	0.549	0.070	0.50	0.71
	Left Cheek	0.218	0.529	0.402	0.152	0.75	0.77
	Left Tilted	0.081	0.362	0.565	0.111	0.44	0.76
LTE Band 66 Ant 4	Right Cheek	0.809	0.440	0.440	0.074	1.25	1.32
	Right Tilted	0.459	0.418	0.549	0.070	0.88	1.08
	Left Cheek	0.311	0.529	0.402	0.152	0.84	0.87
	Left Tilted	0.356	0.362	0.565	0.111	0.72	1.03
LTE Band 41 Ant 1	Right Cheek	0.264	0.440	0.440	0.074	0.70	0.78
	Right Tilted	0.086	0.418	0.549	0.070	0.50	0.71
	Left Cheek	0.112	0.529	0.402	0.152	0.64	0.67
	Left Tilted	0.093	0.362	0.565	0.111	0.46	0.77
LTE Band 42 Ant 5	Right Cheek	0.420	0.440	0.440	0.074	0.86	0.93
	Right Tilted	0.451	0.418	0.549	0.070	0.87	1.07
	Left Cheek	0.593	0.529	0.402	0.152	1.12	1.15
	Left Tilted	0.785	0.362	0.565	0.111	1.15	1.46
FR1 n2 Ant 1	Right Cheek	0.160	0.440	0.440	0.074	0.60	0.67
	Right Tilted	0.086	0.418	0.549	0.070	0.50	0.71
	Left Cheek	0.156	0.529	0.402	0.152	0.69	0.71
	Left Tilted	0.080	0.362	0.565	0.111	0.44	0.76
FR1 n7 Ant 1	Right Cheek	0.361	0.440	0.440	0.074	0.80	0.88
	Right Tilted	0.152	0.418	0.549	0.070	0.57	0.77
	Left Cheek	0.183	0.529	0.402	0.152	0.71	0.74
	Left Tilted	0.131	0.362	0.565	0.111	0.49	0.81
FR1 n7 Ant 4	Right Cheek	0.760	0.440	0.440	0.074	1.20	1.27
	Right Tilted	0.824	0.418	0.549	0.070	1.24	1.44
	Left Cheek	0.680	0.529	0.402	0.152	1.21	1.23
	Left Tilted	0.702	0.362	0.565	0.111	1.06	1.38
FR1 n26 Ant 0	Right Cheek	0.163	0.440	0.440	0.074	0.60	0.68
	Right Tilted	0.086	0.418	0.549	0.070	0.50	0.71
	Left Cheek	0.210	0.529	0.402	0.152	0.74	0.76
	Left Tilted	0.123	0.362	0.565	0.111	0.49	0.80
FR1 n66 Ant 1	Right Cheek	0.130	0.440	0.440	0.074	0.57	0.64
	Right Tilted	0.087	0.418	0.549	0.070	0.51	0.71
	Left Cheek	0.188	0.529	0.402	0.152	0.72	0.74
	Left Tilted	0.066	0.362	0.565	0.111	0.43	0.74
FR1 n66 Ant 4	Right Cheek	0.594	0.440	0.440	0.074	1.03	1.11
	Right Tilted	0.575	0.418	0.549	0.070	0.99	1.19
	Left Cheek	0.368	0.529	0.402	0.152	0.90	0.92
	Left Tilted	0.418	0.362	0.565	0.111	0.78	1.09
FR1 n41 Ant 1	Right Cheek	0.242	0.440	0.440	0.074	0.68	0.76
	Right Tilted	0.119	0.418	0.549	0.070	0.54	0.74
	Left Cheek	0.129	0.529	0.402	0.152	0.66	0.68
	Left Tilted	0.105	0.362	0.565	0.111	0.47	0.78
FR1 n41 Ant 4	Right Cheek	0.645	0.440	0.440	0.074	1.09	1.16
	Right Tilted	0.752	0.418	0.549	0.070	1.17	1.37
	Left Cheek	0.617	0.529	0.402	0.152	1.15	1.17
	Left Tilted	0.676	0.362	0.565	0.111	1.04	1.35
FR1 n77 Ant 5	Right Cheek	0.500	0.440	0.440	0.074	0.94	1.01
	Right Tilted	0.533	0.418	0.549	0.070	0.95	1.15



	Left Cheek	0.772	0.529	0.402	0.152	1.30	1.33
	Left Tilted	0.759	0.362	0.565	0.111	1.12	1.44
FR1 n77 Ant 3	Right Cheek	0.360	0.440	0.440	0.074	0.80	0.87
	Right Tilted	0.350	0.418	0.549	0.070	0.77	0.97
	Left Cheek	0.212	0.529	0.402	0.152	0.74	0.77
	Left Tilted	0.257	0.362	0.565	0.111	0.62	0.93
FR1 n77 Ant 7	Right Cheek	0.252	0.440	0.440	0.074	0.69	0.77
	Right Tilted	0.272	0.418	0.549	0.070	0.69	0.89
	Left Cheek	0.763	0.529	0.402	0.152	1.29	1.32
	Left Tilted	0.415	0.362	0.565	0.111	0.78	1.09
FR1 n77 Ant 9	Right Cheek	0.316	0.440	0.440	0.074	0.76	0.83
	Right Tilted	0.121	0.418	0.549	0.070	0.54	0.74
	Left Cheek	0.201	0.529	0.402	0.152	0.73	0.76
	Left Tilted	0.168	0.362	0.565	0.111	0.53	0.84

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	Case No
			WWAN	WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
All Band Ant 4 (B2/B4/B5)	Ant 1 B7	Right Cheek	0.830	0.437	0.440	0.440	0.074	1.71	1.78	Case 102/103
		Right Tilted	0.533	0.124	0.418	0.549	0.070	1.08	1.28	
		Left Cheek	0.502	0.203	0.529	0.402	0.152	1.23	1.26	
		Left Tilted	0.523	0.159	0.362	0.565	0.111	1.04	1.36	
All Band Ant 1 (B2/B4)	All Band Ant 4 (B4/B5/B66)	Right Cheek	0.300	0.809	0.440	0.440	0.074	1.55	1.62	Case 104
		Right Tilted	0.146	0.459	0.418	0.549	0.070	1.02	1.22	
		Left Cheek	0.267	0.311	0.529	0.402	0.152	1.11	1.13	
		Left Tilted	0.120	0.356	0.362	0.565	0.111	0.84	1.15	

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5

<ENDC>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	Case No
			WWAN	WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 0 (B5/B26)	Ant 5 N77	Right Cheek	0.174	0.500	0.440	0.440	0.074	1.11	1.19	
		Right Tilted	0.092	0.533	0.418	0.549	0.070	1.04	1.24	
		Left Cheek	0.259	0.772	0.529	0.402	0.152	1.56	1.59	
		Left Tilted	0.132	0.759	0.362	0.565	0.111	1.25	1.57	
Ant 1 (B2/B4/B7/B66)	Ant 4 (N7/N66/N38/N41)	Right Cheek	0.437	0.814	0.440	0.440	0.074	1.69	1.77	Case 105/106
		Right Tilted	0.146	0.824	0.418	0.549	0.070	1.39	1.59	
		Left Cheek	0.267	0.729	0.529	0.402	0.152	1.53	1.55	
		Left Tilted	0.159	0.752	0.362	0.565	0.111	1.27	1.59	
Ant 1 (B2/B4/B7/B66/B38/B41)	Ant 5 N77	Right Cheek	0.437	0.500	0.440	0.440	0.074	1.38	1.45	
		Right Tilted	0.146	0.533	0.418	0.549	0.070	1.10	1.30	
		Left Cheek	0.267	0.772	0.529	0.402	0.152	1.57	1.59	
		Left Tilted	0.159	0.759	0.362	0.565	0.111	1.28	1.59	
Ant 4 B5	Ant 1(N7/N66)	Right Cheek	0.686	0.361	0.440	0.440	0.074	1.49	1.56	
		Right Tilted	0.417	0.152	0.418	0.549	0.070	0.99	1.19	
		Left Cheek	0.221	0.188	0.529	0.402	0.152	0.94	0.96	
		Left Tilted	0.208	0.131	0.362	0.565	0.111	0.70	1.02	

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	4	5	1+3	1+4+5	Case No
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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)	
GSM850 Ant 0	Front	0.860	0.422	0.130	0.081	1.28	1.07	
	Back	1.317	0.848	0.472	0.188	2.17	1.98	Case 1/19
	Left side	1.092				1.09	1.09	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	0.971				0.97	0.97	
GSM1900 Ant 1	Front	0.712	0.422	0.130	0.081	1.13	0.92	
	Back	1.036	0.848	0.472	0.188	1.88	1.70	Case 2/20
	Left side					0.00	0.00	
	Right side	0.191	0.367	0.072	0.088	0.56	0.35	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.395				1.40	1.40	
WCDMA II Ant 1	Front	0.777	0.422	0.130	0.081	1.20	0.99	
	Back	1.047	0.848	0.472	0.188	1.90	1.71	Case 3/21
	Left side					0.00	0.00	
	Right side	0.306	0.367	0.072	0.088	0.67	0.47	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.227				1.23	1.23	
WCDMA IV Ant 1	Front	0.699	0.422	0.130	0.081	1.12	0.91	
	Back	0.939	0.848	0.472	0.188	1.79	1.60	Case 4/22
	Left side					0.00	0.00	
	Right side	0.245	0.367	0.072	0.088	0.61	0.41	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.260				1.26	1.26	
WCDMA V Ant 0	Front	0.974	0.422	0.130	0.081	1.40	1.19	
	Back	1.393	0.848	0.472	0.188	2.24	2.05	Case 5/23
	Left side	1.014				1.01	1.01	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.023				1.02	1.02	
LTE Band 2 Ant 4	Front	0.314	0.422	0.130	0.081	0.74	0.53	
	Back	0.691	0.848	0.472	0.188	1.54	1.35	
	Left side	0.263				0.26	0.26	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.624	0.669	0.694	0.153	1.29	1.47	
	Bottom side					0.00	0.00	
LTE Band 5 Ant 4	Front	0.190	0.422	0.130	0.081	0.61	0.40	
	Back	0.395	0.848	0.472	0.188	1.24	1.06	
	Left side	0.196				0.20	0.20	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.385	0.669	0.694	0.153	1.05	1.23	
	Bottom side					0.00	0.00	
LTE Band 7 Ant 1	Front	0.722	0.422	0.130	0.081	1.14	0.93	
	Back	1.249	0.848	0.472	0.188	2.10	1.91	Case 6/24
	Left side					0.00	0.00	
	Right side	0.284	0.367	0.072	0.088	0.65	0.44	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.085				1.09	1.09	
LTE Band 12	Front	0.754	0.422	0.130	0.081	1.18	0.97	



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Ant 0	Back	1.093	0.848	0.472	0.188	1.94	1.75	Case 7/25
	Left side	0.919				0.92	0.92	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	0.901				0.90	0.90	
LTE Band 13 Ant 0	Front	0.711	0.422	0.130	0.081	1.13	0.92	
	Back	0.968	0.848	0.472	0.188	1.82	1.63	Case 8/26
	Left side	0.788				0.79	0.79	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side		0.669	0.694	0.153	0.67	0.85	
LTE Band 25 Ant 1	Bottom side	0.724				0.72	0.72	
	Front	0.697	0.422	0.130	0.081	1.12	0.91	
	Back	1.092	0.848	0.472	0.188	1.94	1.75	Case 9/27
	Left side					0.00	0.00	
	Right side	0.309	0.367	0.072	0.088	0.68	0.47	
LTE Band 26 Ant 0	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.281				1.28	1.28	
	Front	0.905	0.422	0.130	0.081	1.33	1.12	
	Back	1.430	0.848	0.472	0.188	2.28	2.09	Case 10/28
	Left side	0.793				0.79	0.79	
LTE Band 66 Ant 1	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	0.918				0.92	0.92	
	Front	0.674	0.422	0.130	0.081	1.10	0.89	
	Back	0.866	0.848	0.472	0.188	1.71	1.53	Case 11
LTE Band 66 Ant 4	Left side					0.00	0.00	
	Right side	0.277	0.367	0.072	0.088	0.64	0.44	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.234				1.23	1.23	
	Front	0.106	0.422	0.130	0.081	0.53	0.32	
LTE Band 41 Ant 1	Back	0.675	0.848	0.472	0.188	1.52	1.34	
	Left side	0.070				0.07	0.07	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.274	0.669	0.694	0.153	0.94	1.12	
	Bottom side					0.00	0.00	
LTE Band 42 Ant 5	Front	0.561	0.422	0.130	0.081	0.98	0.77	
	Back	1.232	0.848	0.472	0.188	2.08	1.89	Case 12/29
	Left side					0.00	0.00	
	Right side	0.230	0.367	0.072	0.088	0.60	0.39	
	Top side		0.669	0.694	0.153	0.67	0.85	
FR1 n2 Ant 1	Bottom side	1.166				1.17	1.17	
	Front	0.180	0.422	0.130	0.081	0.60	0.39	
	Back	0.670	0.848	0.472	0.188	1.52	1.33	
	Left side					0.00	0.00	
	Right side	0.058	0.367	0.072	0.088	0.43	0.22	
FR1 n7 Ant 1	Top side	0.444	0.669	0.694	0.153	1.11	1.29	
	Bottom side					0.00	0.00	
	Front	0.791	0.422	0.130	0.081	1.21	1.00	
	Back	1.129	0.848	0.472	0.188	1.98	1.79	Case 13/30
	Left side					0.00	0.00	
FR1 n7 Ant 1	Right side	0.357	0.367	0.072	0.088	0.72	0.52	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.284				1.28	1.28	
FR1 n7 Ant 1	Front	0.790	0.422	0.130	0.081	1.21	1.00	
	Back	1.250	0.848	0.472	0.188	2.10	1.91	Case 14/31
	Left side					0.00	0.00	



	Right side	0.310	0.367	0.072	0.088	0.68	0.47	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.111				1.11	1.11	
FR1 n7 Ant 4	Front	0.109	0.422	0.130	0.081	0.53	0.32	
	Back	0.670	0.848	0.472	0.188	1.52	1.33	
	Left side	0.062				0.06	0.06	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.316	0.669	0.694	0.153	0.99	1.16	
	Bottom side					0.00	0.00	
FR1 n26 Ant 0	Front	0.559	0.422	0.130	0.081	0.98	0.77	
	Back	0.778	0.848	0.472	0.188	1.63	1.44	Case 15
	Left side	0.503				0.50	0.50	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	0.614				0.61	0.61	
FR1 n66 Ant 1	Front	0.849	0.422	0.130	0.081	1.27	1.06	
	Back	1.104	0.848	0.472	0.188	1.95	1.76	Case 16/32
	Left side					0.00	0.00	
	Right side	0.337	0.367	0.072	0.088	0.70	0.50	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.379				1.38	1.38	
FR1 n66 Ant 4	Front	0.233	0.422	0.130	0.081	0.66	0.44	
	Back	0.690	0.848	0.472	0.188	1.54	1.35	
	Left side	0.156				0.16	0.16	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.566	0.669	0.694	0.153	1.24	1.41	
	Bottom side					0.00	0.00	
FR1 n41 Ant 1	Front	0.767	0.422	0.130	0.081	1.19	0.98	
	Back	1.249	0.848	0.472	0.188	2.10	1.91	Case 17/33
	Left side					0.00	0.00	
	Right side	0.274	0.367	0.072	0.088	0.64	0.43	
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	1.231				1.23	1.23	
FR1 n41 Ant 4	Front	0.164	0.422	0.130	0.081	0.59	0.38	
	Back	0.670	0.848	0.472	0.188	1.52	1.33	
	Left side	0.063				0.06	0.06	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.325	0.669	0.694	0.153	0.99	1.17	
	Bottom side					0.00	0.00	
FR1 n77 Ant 5	Front	0.219	0.422	0.130	0.081	0.64	0.43	
	Back	0.614	0.848	0.472	0.188	1.46	1.27	
	Left side					0.00	0.00	
	Right side	0.083	0.367	0.072	0.088	0.45	0.24	
	Top side	0.414	0.669	0.694	0.153	1.08	1.26	
	Bottom side					0.00	0.00	
FR1 n77 Ant 3	Front	0.027	0.422	0.130	0.081	0.45	0.24	
	Back	0.635	0.848	0.472	0.188	1.48	1.30	
	Left side	0.131				0.13	0.13	
	Right side		0.367	0.072	0.088	0.37	0.16	
	Top side	0.092	0.669	0.694	0.153	0.76	0.94	
	Bottom side					0.00	0.00	
FR1 n77 Ant 7	Front	0.123	0.422	0.130	0.081	0.55	0.33	
	Back	0.712	0.848	0.472	0.188	1.56	1.37	
	Left side					0.00	0.00	
	Right side	0.273	0.367	0.072	0.088	0.64	0.43	
	Top side	0.163	0.669	0.694	0.153	0.83	1.01	

	Bottom side					0.00	0.00	
FR1 n77 Ant 9	Front	0.504	0.422	0.130	0.081	0.93	0.72	
	Back	0.677	0.848	0.472	0.188	1.53	1.34	
	Left side					0.00	0.00	
	Right side	1.337	0.367	0.072	0.088	1.70	1.50	Case 18
	Top side		0.669	0.694	0.153	0.67	0.85	
	Bottom side	0.227				0.23	0.23	

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5	Case No
			WWAN	WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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 Band Ant 4 (B2/B4/B5)	Ant 1 B7	Front	0.314	0.722	0.422	0.130	0.081	1.46	1.25	
		Back	0.691	1.249	0.848	0.472	0.188	2.79	2.60	Case 85/87
		Left side	0.263					0.26	0.26	
		Right side		0.284	0.367	0.072	0.088	0.65	0.44	
		Top side	0.624		0.669	0.694	0.153	1.29	1.47	
		Bottom side		1.085				1.09	1.09	
All Band Ant 1 (B2/B4)	All Band Ant 4 (B4/B5/B66)	Front	0.697	0.190	0.422	0.130	0.081	1.31	1.10	
		Back	1.092	0.675	0.848	0.472	0.188	2.62	2.43	Case 86/88
		Left side		0.196				0.20	0.20	
		Right side	0.309		0.367	0.072	0.088	0.68	0.47	
		Top side		0.385	0.669	0.694	0.153	1.05	1.23	
		Bottom side	1.281					1.28	1.28	

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5	Case No
			WWAN	FR1	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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)	
Ant 0 (B5/B26)	Ant 5 N77	Front	0.905	0.219	0.422	0.130	0.081	1.55	1.34	
		Back	1.430	0.610	0.848	0.472	0.188	2.89	2.70	Case 89/93
		Left side	0.793					0.79	0.79	
		Right side		0.083	0.367	0.072	0.088	0.45	0.24	
		Top side		0.414	0.669	0.694	0.153	1.08	1.26	
		Bottom side	0.918					0.92	0.92	
Ant 1 (B2/B4/B7/B66)	Ant 4 (N7/N66/N38/N41)	Front	0.722	0.233	0.422	0.130	0.081	1.38	1.17	
		Back	1.249	0.690	0.848	0.472	0.188	2.79	2.60	Case 90/94
		Left side		0.156				0.16	0.16	
		Right side	0.309		0.367	0.072	0.088	0.68	0.47	
		Top side		0.566	0.669	0.694	0.153	1.24	1.41	
		Bottom side	1.395					1.40	1.40	
Ant 1 (B2/B4/B7/B66/B38/B41)	Ant 5 N77	Front	0.722	0.219	0.422	0.130	0.081	1.36	1.15	
		Back	1.249	0.610	0.848	0.472	0.188	2.71	2.52	Case 91/95
		Left side						0.00	0.00	
		Right side	0.309	0.083	0.367	0.072	0.088	0.76	0.55	
		Top side		0.414	0.669	0.694	0.153	1.08	1.26	
		Bottom side	1.281					1.28	1.28	
Ant 4 B5	Ant 1(N7/N66)	Front	0.190	0.791	0.422	0.130	0.081	1.40	1.19	
		Back	0.395	1.250	0.848	0.472	0.188	2.49	2.31	Case 92/96
		Left side	0.196					0.20	0.20	
		Right side		0.357	0.367	0.072	0.088	0.72	0.52	
		Top side	0.385		0.669	0.694	0.153	1.05	1.23	
		Bottom side		1.284				1.28	1.28	

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

16.3 Body-Worn Accessory Exposure Conditions

WWAN Band		Exposure Position	4	5	4+5
			WLAN5GHz Ant 5	Bluetooth Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM	GSM850 Ant 0	Front	0.355	0.081	0.436
		Back	1.148	0.188	1.336

WWAN Band	Exposure Position	1	3	4	5	1+3	1+4+5	Case No
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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)	
GSM850 Ant 0	Front	0.860	0.321	0.355	0.081	1.18	1.30	
	Back	1.317	0.651	0.510	0.188	1.97	2.02	Case 34/51
GSM1900 Ant 1	Front	0.984	0.321	0.355	0.081	1.31	1.42	
	Back	1.432	0.651	0.510	0.188	2.08	2.13	Case 35/52
WCDMA II Ant 1	Front	0.973	0.321	0.355	0.081	1.29	1.41	
	Back	1.302	0.651	0.510	0.188	1.95	2.00	Case 36/53
WCDMA IV Ant 1	Front	1.073	0.321	0.355	0.081	1.39	1.51	
	Back	1.391	0.651	0.510	0.188	2.04	2.09	Case 37/54
WCDMA V Ant 0	Front	0.974	0.321	0.355	0.081	1.30	1.41	
	Back	1.393	0.651	0.510	0.188	2.04	2.09	Case 38/55
LTE Band 2 Ant 4	Front	0.381	0.321	0.355	0.081	0.70	0.82	
	Back	0.839	0.651	0.510	0.188	1.49	1.54	
LTE Band 5 Ant 4	Front	0.190	0.321	0.355	0.081	0.51	0.63	
	Back	0.395	0.651	0.510	0.188	1.05	1.09	
LTE Band 7 Ant 1	Front	0.720	0.321	0.355	0.081	1.04	1.16	
	Back	1.249	0.651	0.510	0.188	1.90	1.95	Case 39/56
LTE Band 12 Ant 0	Front	0.754	0.321	0.355	0.081	1.08	1.19	
	Back	1.093	0.651	0.510	0.188	1.74	1.79	Case 40/57
LTE Band 13 Ant 0	Front	0.711	0.321	0.355	0.081	1.03	1.15	
	Back	0.968	0.651	0.510	0.188	1.62	1.67	Case 41/58
LTE Band 25 Ant 1	Front	0.859	0.321	0.355	0.081	1.18	1.30	
	Back	1.261	0.651	0.510	0.188	1.91	1.96	Case 42/59
LTE Band 26 Ant 0	Front	0.905	0.321	0.355	0.081	1.23	1.34	
	Back	1.430	0.651	0.510	0.188	2.08	2.13	Case 43/60
LTE Band 66 Ant 1	Front	0.985	0.321	0.355	0.081	1.31	1.42	
	Back	1.239	0.651	0.510	0.188	1.89	1.94	Case 44/61
LTE Band 66 Ant 4	Front	0.133	0.321	0.355	0.081	0.45	0.57	
	Back	0.864	0.651	0.510	0.188	1.52	1.56	
LTE Band 41 Ant 1	Front	0.561	0.321	0.355	0.081	0.88	1.00	
	Back	1.232	0.651	0.510	0.188	1.88	1.93	Case 45/62
LTE Band 42 Ant 5	Front	0.222	0.321	0.355	0.081	0.54	0.66	
	Back	0.869	0.651	0.510	0.188	1.52	1.57	
FR1 n2 Ant 1	Front	0.962	0.321	0.355	0.081	1.28	1.40	
	Back	1.363	0.651	0.510	0.188	2.01	2.06	Case 46/63
FR1 n7 Ant 1	Front	0.799	0.321	0.355	0.081	1.12	1.24	
	Back	1.250	0.651	0.510	0.188	1.90	1.95	Case 47/64
FR1 n7 Ant 4	Front	0.192	0.321	0.355	0.081	0.51	0.63	
	Back	0.825	0.651	0.510	0.188	1.48	1.52	
FR1 n26 Ant 0	Front	0.559	0.321	0.355	0.081	0.88	1.00	
	Back	0.778	0.651	0.510	0.188	1.43	1.48	
FR1 n66 Ant 1	Front	1.080	0.321	0.355	0.081	1.40	1.52	
	Back	1.405	0.651	0.510	0.188	2.06	2.10	Case 48/65
FR1 n66 Ant 4	Front	0.242	0.321	0.355	0.081	0.56	0.68	



FR1 n41 Ant 1	Back	0.876	0.651	0.510	0.188	1.53	1.57	
	Front	0.767	0.321	0.355	0.081	1.09	1.20	
	Back	1.249	0.651	0.510	0.188	1.90	1.95	Case 49/66
FR1 n41 Ant 4	Front	0.158	0.321	0.355	0.081	0.48	0.59	
	Back	0.826	0.651	0.510	0.188	1.48	1.52	
FR1 n77 Ant 5	Front	0.285	0.321	0.355	0.081	0.61	0.72	
	Back	0.783	0.651	0.510	0.188	1.43	1.48	
FR1 n77 Ant 3	Front	0.036	0.321	0.355	0.081	0.36	0.47	
	Back	0.876	0.651	0.510	0.188	1.53	1.57	
FR1 n77 Ant 7	Front	0.145	0.321	0.355	0.081	0.47	0.58	
	Back	0.876	0.651	0.510	0.188	1.53	1.57	
FR1 n77 Ant 9	Front	0.758	0.321	0.355	0.081	1.08	1.19	
	Back	1.048	0.651	0.510	0.188	1.70	1.75	Case 50/67

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5	Case No
			WWAN	WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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 Band Ant 4 (B2/B4/B5)	Ant 1 B7	Front	0.381	0.720	0.321	0.355	0.081	1.42	1.54	
		Back	0.864	1.249	0.651	0.510	0.188	2.76	2.81	Case 68/70
All Band Ant 1 (B2/B4)	All Band Ant 4 (B4/B5/B66)	Front	0.985	0.190	0.321	0.355	0.081	1.50	1.61	Case 71
		Back	1.261	0.864	0.651	0.510	0.188	2.78	2.82	Case 69/72

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5	Case No
			WWAN	FR1	WLAN2.4GHz Ant 6	WLAN5GHz Ant 5	Bluetooth Ant 6	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)	
Ant 0 (B5/B26)	Ant 5 N77	Front	0.905	0.285	0.321	0.355	0.081	1.51	1.63	Case 77
		Back	1.430	0.783	0.651	0.510	0.188	2.86	2.91	Case 73/78
Ant 1 (B2/B4/B7/B66)	Ant 4 (N7/N66/N38/N41)	Front	0.985	0.242	0.321	0.355	0.081	1.55	1.66	Case 79
		Back	1.261	0.876	0.651	0.510	0.188	2.79	2.84	Case 74/80
Ant 1 (B2/B4/B7/B66/B38/B41)	Ant 5 N77	Front	0.985	0.285	0.321	0.355	0.081	1.59	1.71	Case 81
		Back	1.261	0.783	0.651	0.510	0.188	2.70	2.74	Case 75/Case 82
Ant 4 B5	Ant 1(N7/N66)	Front	0.190	1.080	0.321	0.355	0.081	1.59	1.71	Case 83
		Back	0.395	1.405	0.651	0.510	0.188	2.45	2.50	Case 76/84

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<Sensor Off>

WWAN Band	Exposure Position	1	4	1+4
		WWAN	WLAN5GHz Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.404	0.185	0.59
	Back	0.343	0.261	0.60
GSM1900 Ant 1	Front	0.405	0.185	0.59
	Back	0.385	0.261	0.65
WCDMA II Ant 1	Front	0.547	0.185	0.73
	Back	0.490	0.261	0.75
WCDMA IV Ant 1	Front	0.487	0.185	0.67
	Back	0.430	0.261	0.69
WCDMA V Ant 0	Front		0.185	0.19



	Back		0.261	0.26
LTE Band 2 Ant 4	Front	0.183	0.185	0.37
	Back	0.190	0.261	0.45
LTE Band 5 Ant 4	Front		0.185	0.19
	Back		0.261	0.26
LTE Band 7 Ant 1	Front	0.351	0.185	0.54
	Back	0.369	0.261	0.63
LTE Band 12 Ant 0	Front		0.185	0.19
	Back		0.261	0.26
LTE Band 13 Ant 0	Front		0.185	0.19
	Back		0.261	0.26
LTE Band 25 Ant 1	Front	0.555	0.185	0.74
	Back	0.527	0.261	0.79
LTE Band 26 Ant 0	Front		0.185	0.19
	Back		0.261	0.26
LTE Band 66 Ant 1	Front	0.481	0.185	0.67
	Back	0.402	0.261	0.66
LTE Band 66 Ant 4	Front	0.162	0.185	0.35
	Back	0.175	0.261	0.44
LTE Band 41 Ant 1	Front	0.223	0.185	0.41
	Back	0.262	0.261	0.52
LTE Band 42 Ant 5	Front	0.496	0.185	0.68
	Back	0.477	0.261	0.74
FR1 n2 Ant 1	Front	0.440	0.185	0.63
	Back	0.383	0.261	0.64
FR1 n7 Ant 1	Front	0.438	0.185	0.62
	Back	0.442	0.261	0.70
FR1 n7 Ant 4	Front	0.223	0.185	0.41
	Back	0.356	0.261	0.62
FR1 n26 Ant 0	Front		0.185	0.19
	Back		0.261	0.26
FR1 n66 Ant 1	Front	0.408	0.185	0.59
	Back	0.319	0.261	0.58
FR1 n66 Ant 4	Front	0.158	0.185	0.34
	Back	0.172	0.261	0.43
FR1 n41 Ant 1	Front	0.397	0.185	0.58
	Back	0.424	0.261	0.69
FR1 n41 Ant 4	Front	0.194	0.185	0.38
	Back	0.335	0.261	0.60
FR1 n77 Ant 5	Front	0.601	0.185	0.79
	Back	0.620	0.261	0.88
FR1 n77 Ant 3	Front		0.185	0.19
	Back	0.228	0.261	0.49
FR1 n77 Ant 7	Front	0.286	0.185	0.47
	Back	0.817	0.261	1.08
FR1 n77 Ant 9	Front		0.185	0.19
	Back		0.261	0.26

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	4	1+2+4
			WWAN	WWAN	WLAN5GHz Ant 5	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Band Ant 4 (B2/B4/B5)	Ant 1 B7	Front	0.183	0.351	0.185	0.72
		Back	0.190	0.369	0.261	0.82
All Band Ant 1 (B2/B4)	All Band Ant 4 (B4/B5/B66)	Front	0.555	0.162	0.185	0.90
		Back	0.527	0.175	0.261	0.96

<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	4	1+2+4
			WWAN	FR1	WLAN5GHz Ant 5	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant 0 (B5/B26)	Ant 5 N77	Front		0.601	0.185	0.79
		Back		0.620	0.261	0.88
Ant 1 (B2/B4/B7/B66)	Ant 4 (N7/N66/N38/N41)	Front	0.555	0.223	0.185	0.96
		Back	0.527	0.356	0.261	1.14
Ant 1 (B2/B4/B7/B66/B38/B41)	Ant 5 N77	Front	0.555	0.601	0.185	1.34
		Back	0.527	0.620	0.261	1.41
Ant 4 B5	Ant 1(N7/N66)	Front		0.438	0.185	0.62
		Back		0.442	0.261	0.70



16.4 Product specific 10g SAR Exposure Conditions

Remark:

- For WLAN2.4GHz/Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	1	4	6	1+4+6
		WWAN 10g SAR (W/kg)	WLAN5GHz Ant 5 10g SAR (W/kg)	NFC 10g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850 Ant 0	Front		0.519		0.52
	Back	3.089	0.339	0.029	3.46
	Left side	2.251			2.25
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.887			2.89
GSM1900 Ant 1	Front	2.997	0.519		3.52
	Back	3.471	0.339	0.029	3.84
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	3.297			3.30
WCDMA II Ant 1	Front	2.412	0.519		2.93
	Back	3.117	0.339	0.029	3.49
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.385			2.39
WCDMA IV Ant 1	Front	2.588	0.519		3.11
	Back	3.527	0.339	0.029	3.90
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.891			2.89
WCDMA V Ant 0	Front		0.519		0.52
	Back	2.726	0.339	0.029	3.09
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
LTE Band 2 Ant 4	Front		0.519		0.52
	Back	2.338	0.339	0.029	2.71
	Left side				0.00
	Right side		0.140		0.14
	Top side	1.946	1.260		3.21
	Bottom side				0.00
LTE Band 5 Ant 4	Front		0.519		0.52
	Back		0.339	0.029	0.37
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
LTE Band 7 Ant 1	Front	2.287	0.519		2.81
	Back	3.198	0.339	0.029	3.57
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26



	Bottom side	3.240			3.24
LTE Band 12 Ant 0	Front		0.519		0.52
	Back		0.339	0.029	0.37
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
LTE Band 13 Ant 0	Front		0.519		0.52
	Back		0.339	0.029	0.37
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
LTE Band 25 Ant 1	Front	2.440	0.519		2.96
	Back	3.200	0.339	0.029	3.57
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.294			2.29
LTE Band 26 Ant 0	Front		0.519		0.52
	Back	2.192	0.339	0.029	2.56
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
LTE Band 66 Ant 1	Front	2.267	0.519		2.79
	Back	3.200	0.339	0.029	3.57
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.547			2.55
LTE Band 66 Ant 4	Front		0.519		0.52
	Back	1.105	0.339	0.029	1.47
	Left side				0.00
	Right side		0.140		0.14
	Top side	2.562	1.260		3.82
	Bottom side				0.00
LTE Band 41 Ant 1	Front		0.519		0.52
	Back	2.530	0.339	0.029	2.90
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.846			2.85
LTE Band 42 Ant 5	Front	1.388	0.519		1.91
	Back	2.131	0.339	0.029	2.50
	Left side				0.00
	Right side		0.140		0.14
	Top side	2.642	1.260		3.90
	Bottom side				0.00
FR1 n2 Ant 1	Front	2.316	0.519		2.84
	Back	2.995	0.339	0.029	3.36
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.122			2.12
FR1 n7 Ant 1	Front	2.456	0.519		2.98



	Back	3.320	0.339	0.029	3.69
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	3.542			3.54
FR1 n7 Ant 4	Front	0.702	0.519		1.22
	Back	2.347	0.339	0.029	2.72
	Left side				0.00
	Right side		0.140		0.14
	Top side	1.942	1.260		3.20
	Bottom side				0.00
FR1 n26 Ant 0	Front		0.519		0.52
	Back		0.339	0.029	0.37
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
FR1 n66 Ant 1	Front	2.415	0.519		2.93
	Back	3.357	0.339	0.029	3.73
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.724			2.72
FR1 n66 Ant 4	Front		0.519		0.52
	Back	2.367	0.339	0.029	2.74
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
FR1 n41 Ant 1	Front		0.519		0.52
	Back	2.131	0.339	0.029	2.50
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side	2.428			2.43
FR1 n41 Ant 4	Front	0.712	0.519		1.23
	Back	2.476	0.339	0.029	2.84
	Left side				0.00
	Right side		0.140		0.14
	Top side	2.713	1.260		3.97
	Bottom side				0.00
FR1 n77 Ant 5	Front	1.786	0.519		2.31
	Back	2.199	0.339	0.029	2.57
	Left side				0.00
	Right side		0.140		0.14
	Top side	2.715	1.260		3.98
	Bottom side				0.00
FR1 n77 Ant 3	Front		0.519		0.52
	Back	2.617	0.339	0.029	2.99
	Left side				0.00
	Right side		0.140		0.14
	Top side		1.260		1.26
	Bottom side				0.00
FR1 n77 Ant 7	Front	0.784	0.519		1.30
	Back	2.682	0.339	0.029	3.05
	Left side				0.00



	Right side	1.156	0.140		1.30
	Top side	1.064	1.260		2.32
	Bottom side				0.00
FR1 n77 Ant 9	Front		0.519		0.52
	Back		0.339	0.029	0.37
	Left side				0.00
	Right side	2.995	0.140		3.14
	Top side		1.260		1.26
	Bottom side				0.00

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	4	5	6	1+2+4+5+6	SPLSR
			WWAN	FR1	WLAN5GHz Ant 5	Bluetooth Ant 6	NFC	Summed	
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 5 Ant 4	LTE Band 7 Ant 1	Front		2.287	0.519			2.81	
		Back		3.198	0.339		0.029	3.57	
		Left side						0.00	
		Right side			0.140			0.14	
		Top side			1.260			1.26	
		Bottom side		3.240				3.24	
LTE Band 2 Ant 1	LTE Band 4 Ant 4	Front			0.519			0.52	
		Back	1.704	1.105	0.339		0.029	3.18	
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.562	1.260			3.82	
		Bottom side						0.00	
LTE Band 2 Ant 4	LTE Band 7 Ant 1	Front		2.287	0.519			2.81	
		Back	2.338	3.198	0.339		0.029	5.90	Case 107
		Left side						0.00	
		Right side			0.140			0.14	
		Top side	1.946		1.260			3.21	
		Bottom side		3.240				3.24	
LTE Band 2 Ant 1	LTE Band 66 Ant 4	Front			0.519			0.52	
		Back	1.704	1.105	0.339		0.029	3.18	
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.562	1.260			3.82	
		Bottom side						0.00	
LTE Band 4 Ant 1	LTE Band 5 Ant 4	Front	2.267		0.519			2.79	
		Back	3.200		0.339		0.029	3.57	
		Left side						0.00	
		Right side			0.140			0.14	
		Top side			1.260			1.26	
		Bottom side	2.547					2.55	
LTE Band 4 Ant 4	LTE Band 7 Ant 1	Front		2.287	0.519			2.81	
		Back	1.105	3.198	0.339		0.029	4.67	Case 108
		Left side						0.00	
		Right side			0.140			0.14	
		Top side	2.562		1.260			3.82	
		Bottom side		3.240				3.24	

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	4	5	6	1+2+4+5+6	SPLSR
			WWAN	FR1	WLAN5GHz Ant 5	Bluetooth Ant 6	NFC	Summed	
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 1	FR1 n7 Ant 4	Front		0.702	0.519			1.22	
		Back	1.704	2.347	0.339		0.029	4.42	Case 109
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		1.942	1.260			3.20	
		Bottom side						0.00	
LTE Band 4 Ant 1	FR1 n7 Ant 4	Front	2.267	0.702	0.519			3.49	
		Back	3.200	2.347	0.339		0.029	5.92	Case 110
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		1.942	1.260			3.20	
		Bottom side	2.547					2.55	
LTE Band 5 Ant 4	FR1 n7 Ant 1	Front		2.456	0.519			2.98	
		Back		3.320	0.339		0.029	3.69	
		Left side						0.00	
		Right side			0.140			0.14	
		Top side			1.260			1.26	
		Bottom side		3.542				3.54	
LTE Band 66 Ant 1	FR1 n7 Ant 4	Front	2.267	0.702	0.519			3.49	
		Back	3.200	2.347	0.339		0.029	5.92	Case 111
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		1.942	1.260			3.20	
		Bottom side	2.547					2.55	
LTE Band 2 Ant 1	FR1 n78 Ant 5	Front		1.786	0.519			2.31	
		Back	1.704	2.199	0.339		0.029	4.27	Case 112
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side						0.00	
LTE Band 4 Ant 1	FR1 n78 Ant 5	Front	2.267	1.786	0.519			4.57	Case 113
		Back	3.200	2.199	0.339		0.029	5.77	Case 114
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side	2.547					2.55	
LTE Band 5 Ant 0	FR1 n78 Ant 5	Front		1.786	0.519			2.31	
		Back	2.192	2.199	0.339		0.029	4.76	Case 115
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side						0.00	
LTE Band 7 Ant 1	FR1 n78 Ant 5	Front	2.287	1.786	0.519			4.59	Case 116
		Back	3.198	2.199	0.339		0.029	5.77	Case 117
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side	3.240					3.24	
LTE Band 26 Ant 0	FR1 n78 Ant 5	Front		1.786	0.519			2.31	
		Back	2.192	2.199	0.339		0.029	4.76	Case 118



		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side						0.00	
LTE Band 66 Ant 1	FR1 n78 Ant 5	Front	2.267	1.786	0.519			4.57	Case 119
		Back	3.200	2.199	0.339		0.029	5.77	Case 120
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side	2.547					2.55	
LTE Band 38 Ant 1	FR1 n78 Ant 5	Front		1.786	0.519			2.31	
		Back	2.530	2.199	0.339		0.029	5.10	Case 121
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side	2.846					2.85	
LTE Band 41 Ant 1	FR1 n78 Ant 5	Front		1.786	0.519			2.31	
		Back	2.530	2.199	0.339		0.029	5.10	Case 122
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.715	1.260			3.98	
		Bottom side	2.846					2.85	
LTE Band 2 Ant 1	FR1 n66 Ant 4	Front			0.519			0.52	
		Back	1.704	2.367	0.339		0.029	4.44	Case 123
		Left side						0.00	
		Right side			0.140			0.14	
		Top side			1.260			1.26	
		Bottom side						0.00	
LTE Band 5 Ant 4	FR1 n66 Ant 1	Front		2.415	0.519			2.93	
		Back		3.357	0.339		0.029	3.73	
		Left side						0.00	
		Right side			0.140			0.14	
		Top side			1.260			1.26	
		Bottom side		2.724				2.72	
LTE Band 7 Ant 1	FR1 n66 Ant 4	Front	2.287		0.519			2.81	
		Back	3.198	2.367	0.339		0.029	5.93	Case 124
		Left side						0.00	
		Right side			0.140			0.14	
		Top side			1.260			1.26	
		Bottom side	3.240					3.24	
LTE Band 4 Ant 1	FR1 n41 Ant 4	Front	2.267	0.712	0.519			3.50	
		Back	3.200	2.476	0.339		0.029	6.04	Case 125
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.713	1.260			3.97	
		Bottom side	2.547					2.55	
LTE Band 66 Ant 1	FR1 n41 Ant 4	Front	2.267	0.712	0.519			3.50	
		Back	3.200	2.476	0.339		0.029	6.04	Case 126
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.713	1.260			3.97	
		Bottom side	2.547					2.55	
LTE Band 2 Ant 1	FR1 n38 Ant 4	Front		0.712	0.519			1.23	
		Back	1.704	2.476	0.339		0.029	4.55	Case 127
		Left side						0.00	
		Right side			0.140			0.14	

		Top side		2.713	1.260			3.97	
		Bottom side						0.00	
LTE Band 4 Ant 1	FR1 n38 Ant 4	Front	2.267	0.712	0.519			3.50	
		Back	3.200	2.476	0.339		0.029	6.04	Case 128
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.713	1.260			3.97	
		Bottom side	2.547					2.55	
LTE Band 66 Ant 1	FR1 n38 Ant 4	Front	2.267	0.712	0.519			3.50	
		Back	3.200	2.476	0.339		0.029	6.04	Case 129
		Left side						0.00	
		Right side			0.140			0.14	
		Top side		2.713	1.260			3.97	
		Bottom side	2.547					2.55	

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

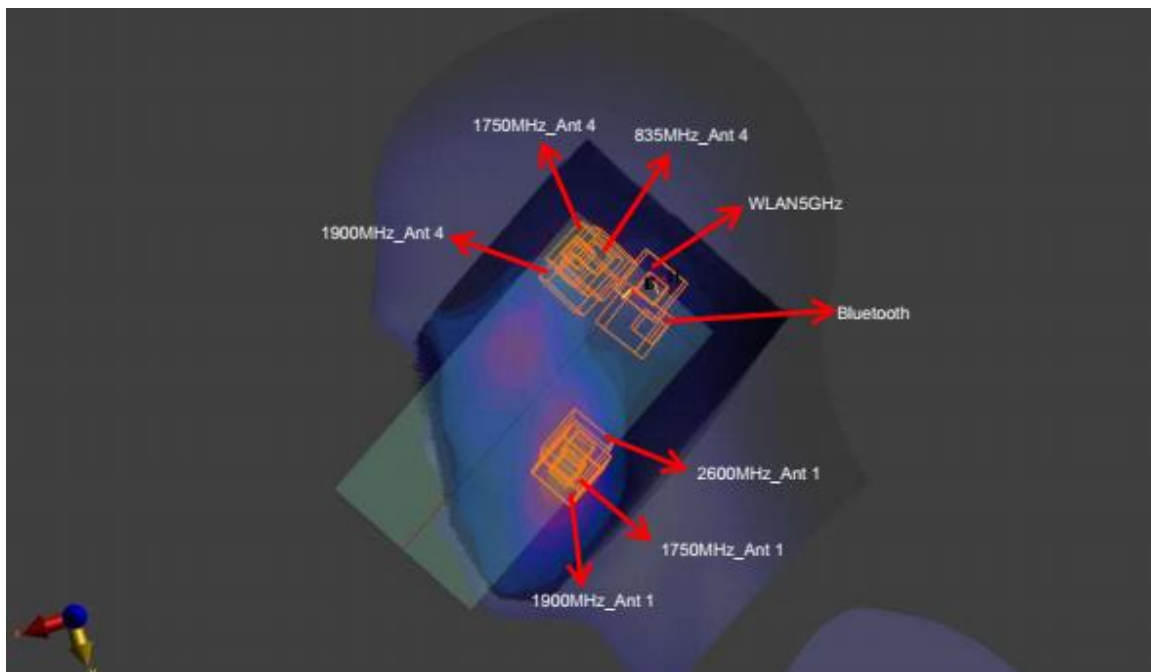
16.5 SPLSR Evaluation and Analysis

General Note:

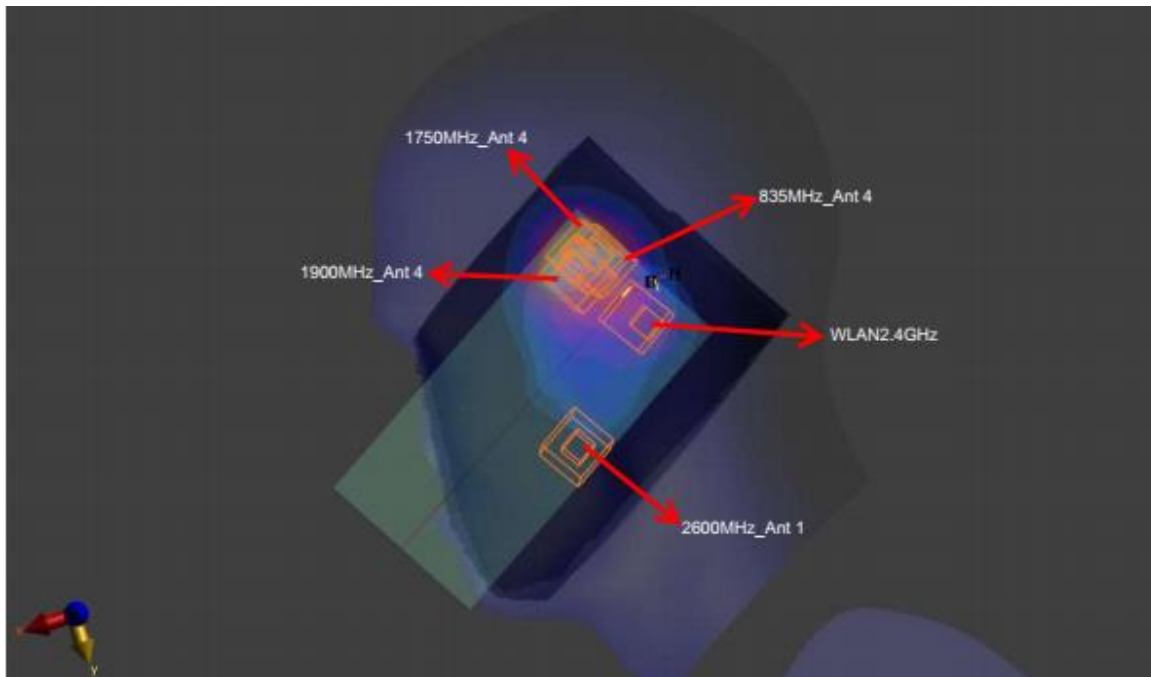
- When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
- $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
- Per April 2022 TCB Workshop Notes, WWAN Antenna 4/5/7 was summed algebraically with the BT/WIFI Antenna 5/6 for the purposes of hybrid SPLSR combination and they are located at the top of the device.
- 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.
- If SPLSR criteria evaluation and analysis is needed to determine compliance for a certain DSI configuration, SPLSR is performed by taking the highest reported SAR for each of the supported technologies and bands per antenna, along with the peak SAR locations.
 - Obtain the highest reported multi-band SAR out of all supported technologies/bands per antenna per exposure position in section 16, so determine the highest reported multi-band SAR per tech/band/antenna /exposure position of the co-located antenna pair to be conservative.
 - Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative, please refer to section 16.6.
 - 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.
- The following formula is used to calculate the SPLSR between WWAN Band and WLAN/BT for each exposure configuration:

$$SPLSR = \frac{(SAR_1 + SAR_2)^{1.5}}{\text{Min Distance}}$$

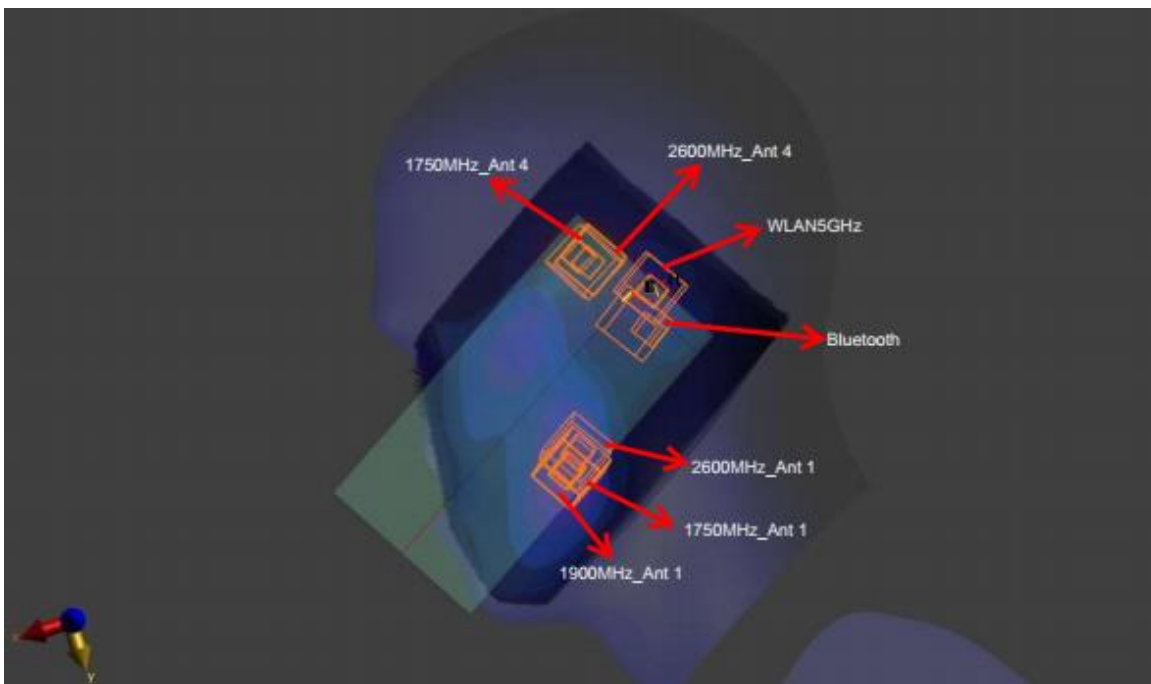
- SAR1 and SAR2 are the highest reported or estimated SAR values for each antenna in the pair, SAR1+SAR2 Used the maximum Summed SAR out of all supported technologies/bands per antenna per exposure position.
- Min Distance for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.



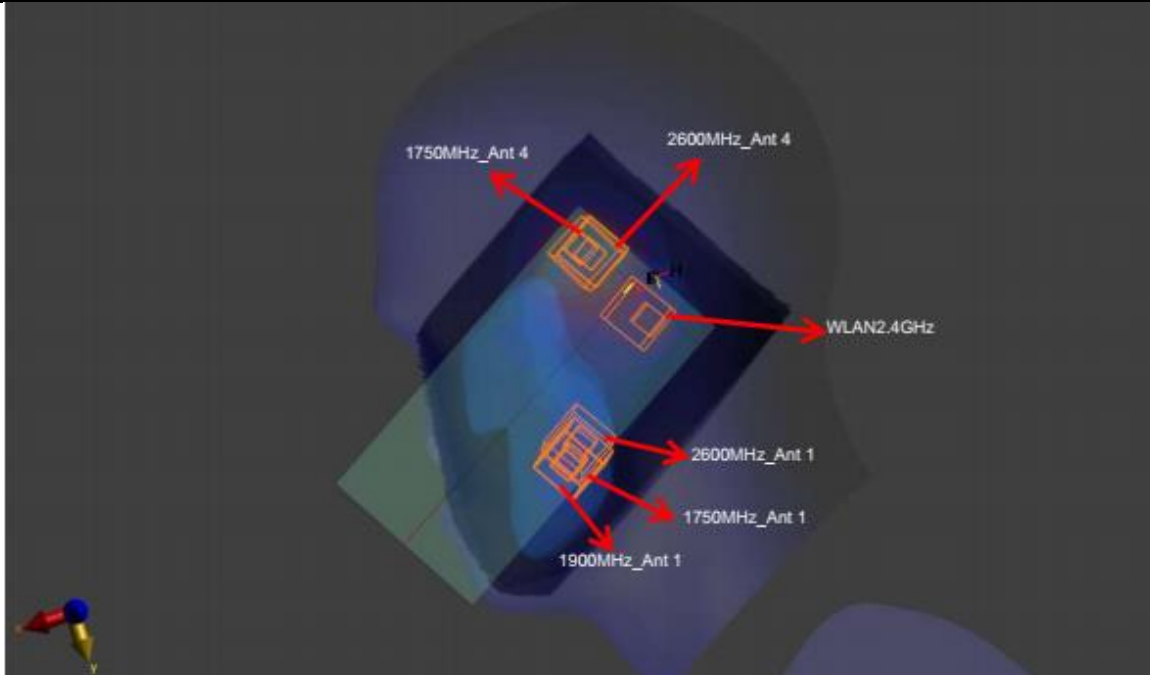
ULCA+WLAN5GHz+BT_Right Cheek 0mm



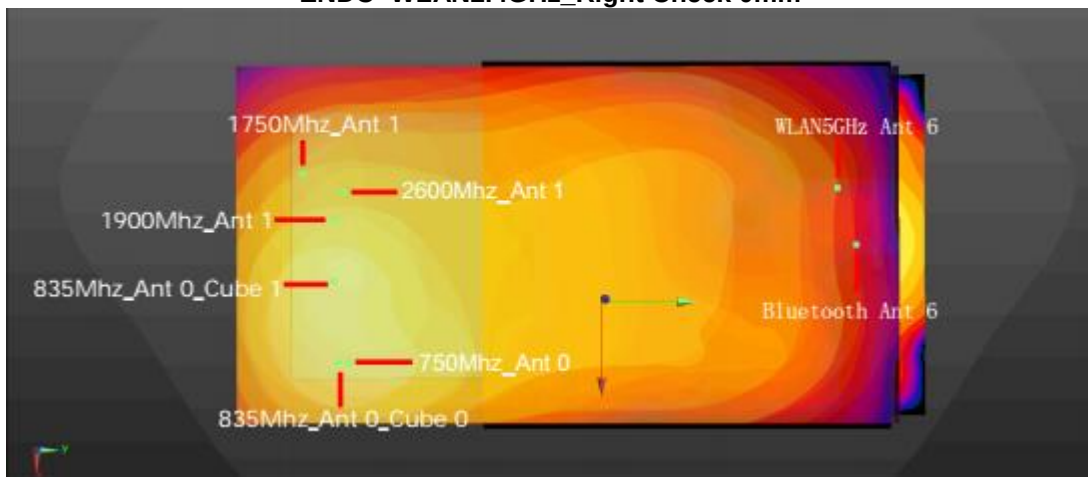
ULCA+WLAN2.4GHz_Right Cheek 0mm



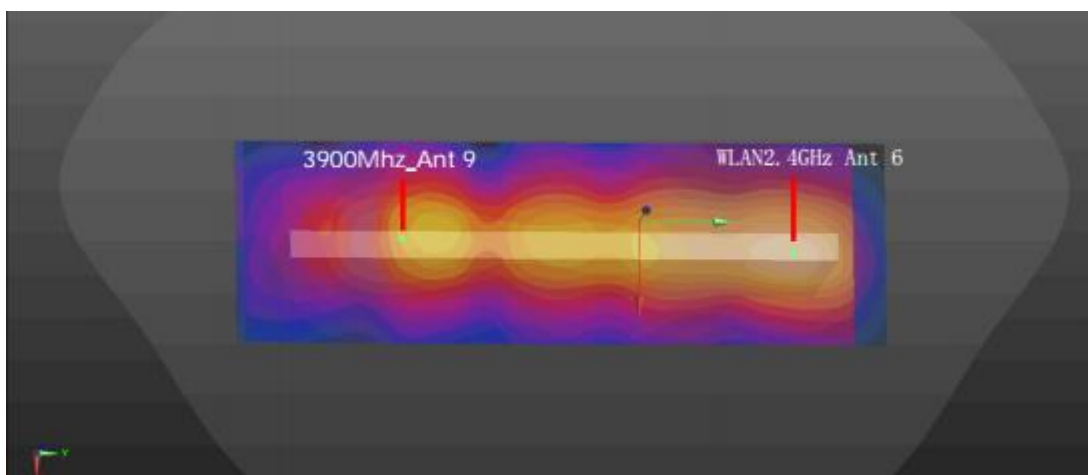
ENDC+WLAN5GHz+BT_Right Cheek 0mm



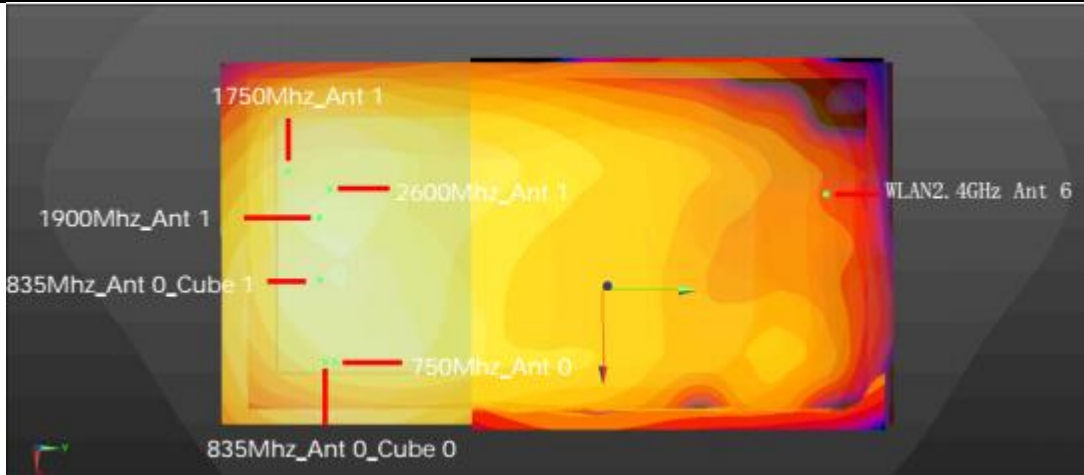
ENDC+WLAN2.4GHz_Right Cheek 0mm



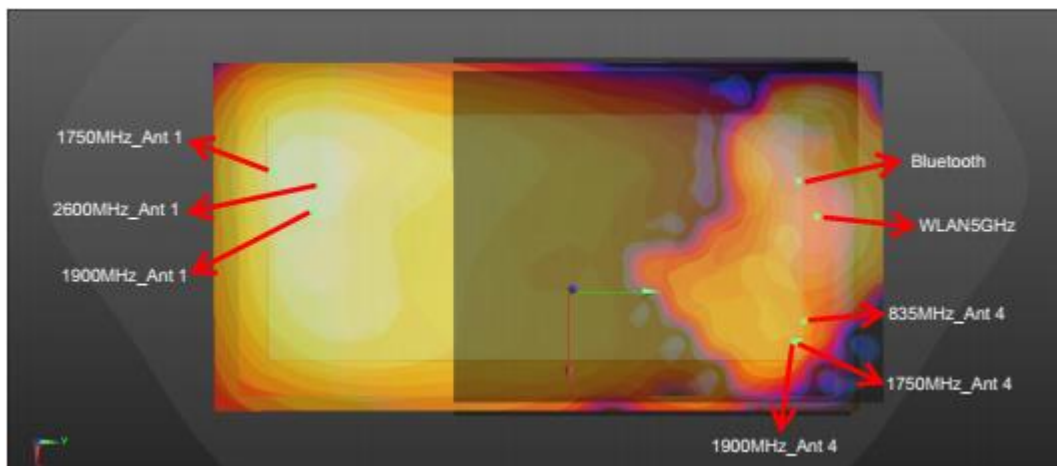
WWAN+WLAN+BT_Hotspot_Back_5mm



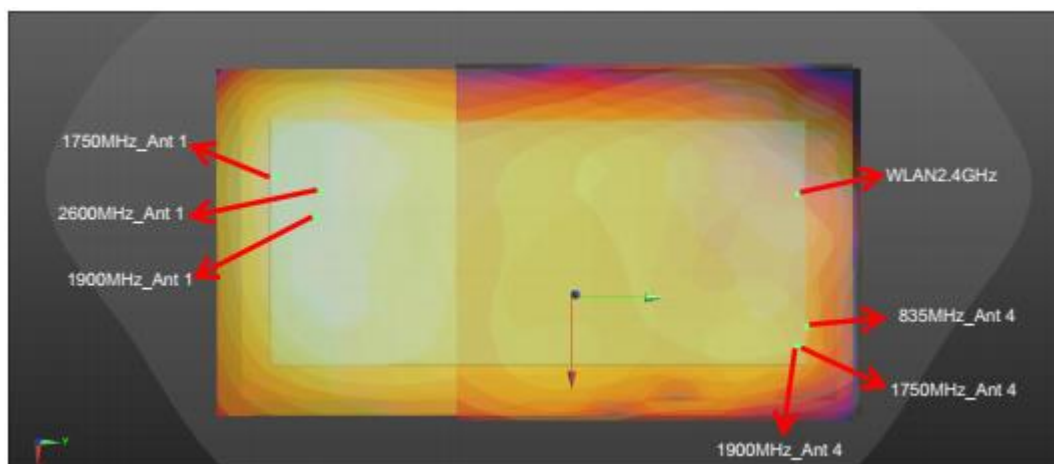
WWAN+WLAN_Hotspot_Right Side_5mm



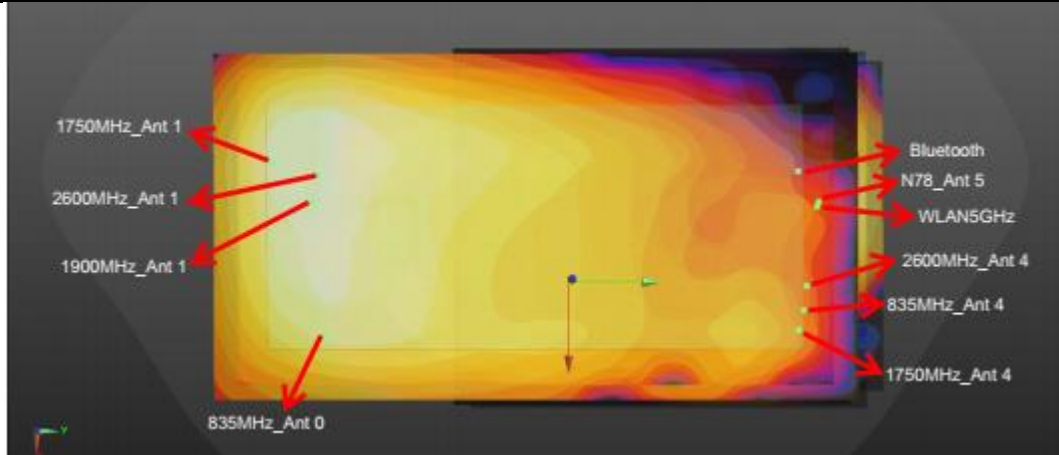
WWAN+WLAN_Hotspot_Back_5mm



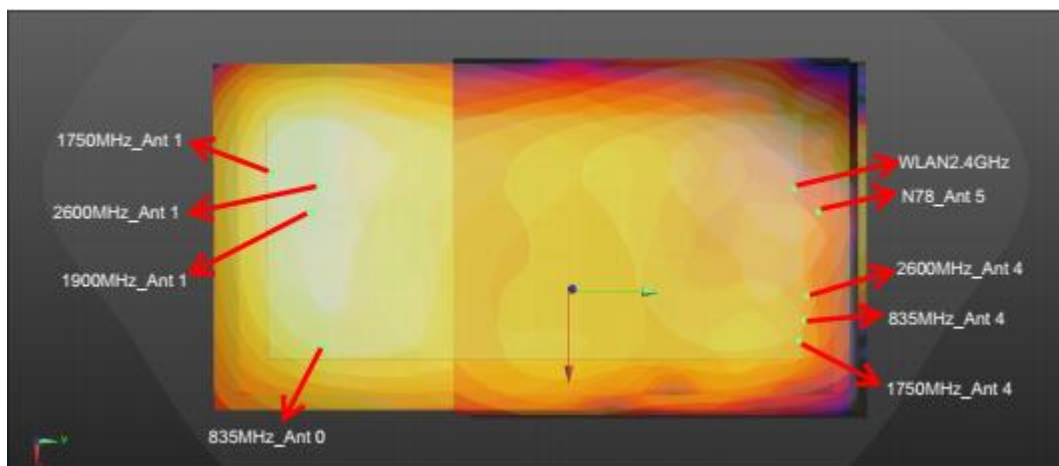
ULCA+WLAN5GHz+BT_Body Worn&Hotspot_Back_5mm



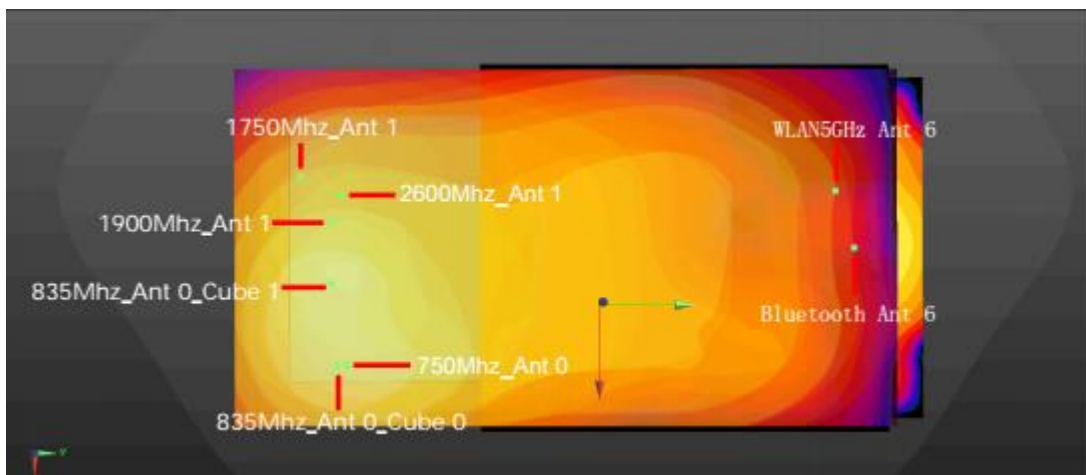
ULCA+WLAN2.4GHz_Body Worn&Hotspot_Back_5mm



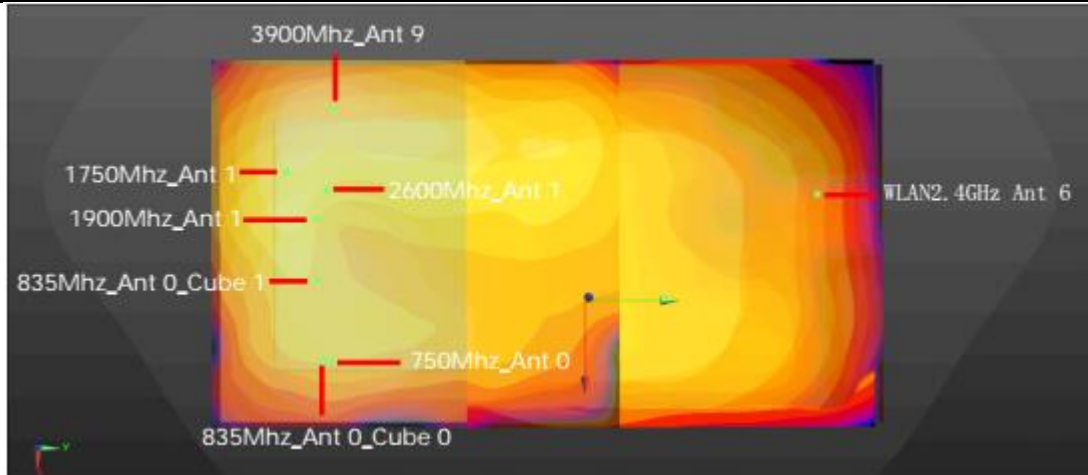
ENDC+WLAN5GHz+BT_Body Worn&Hotspot_Back_5mm



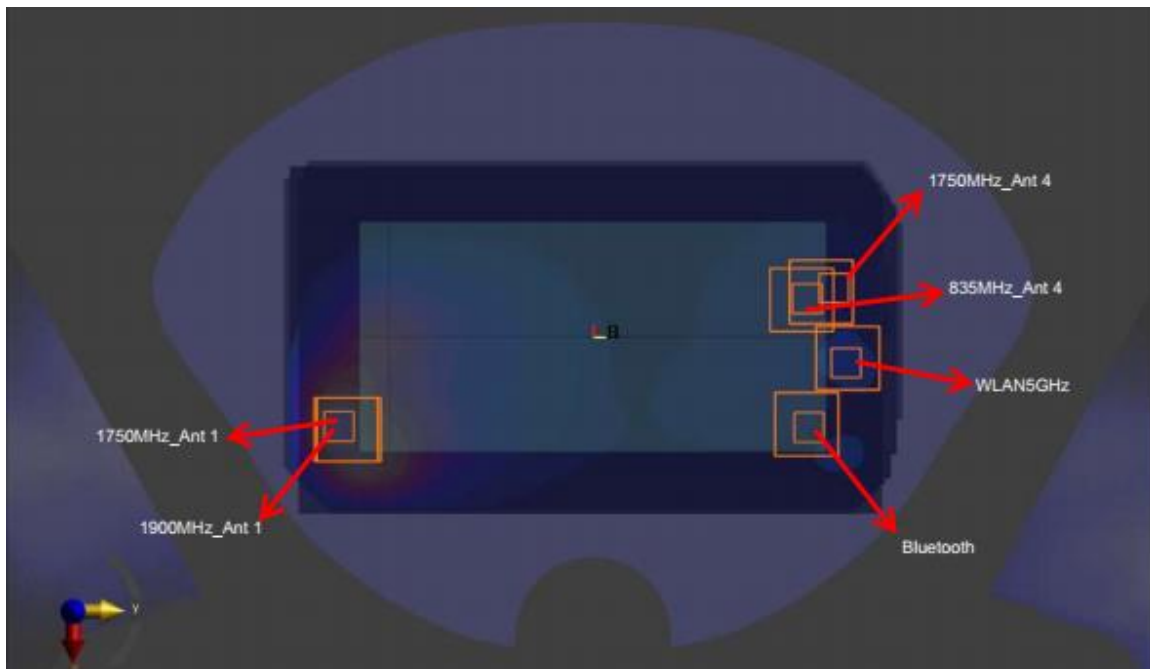
ENDC+WLAN2.4GHz_Body Worn&Hotspot_Back_5mm



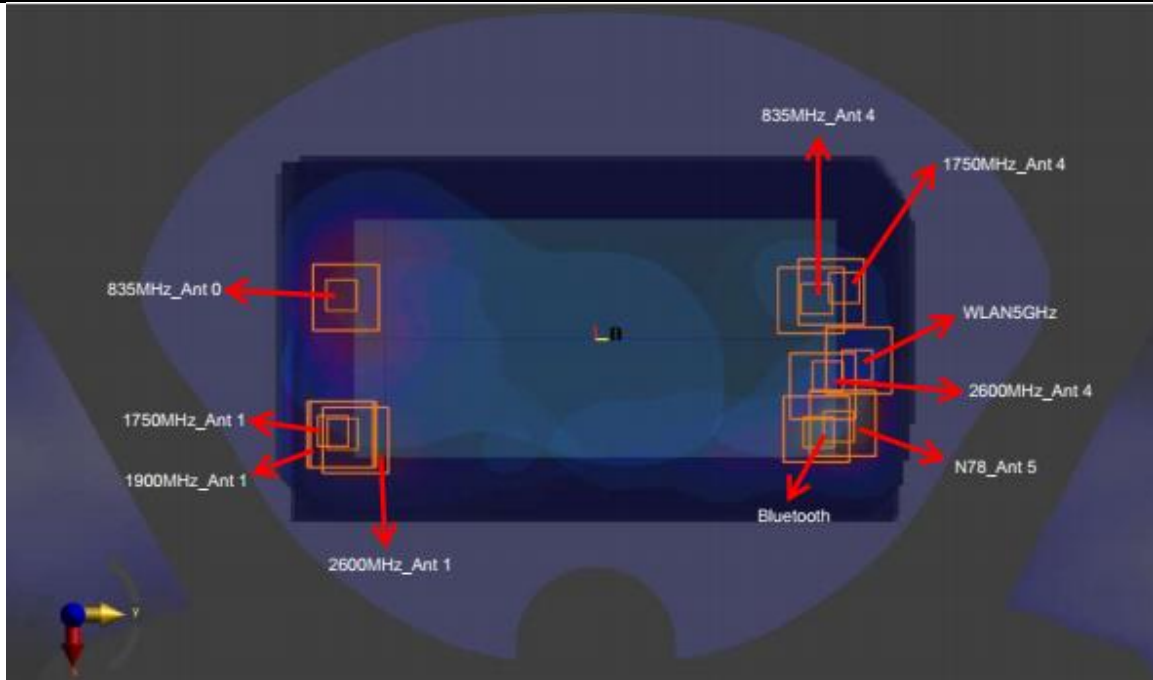
WWAN+WLAN+BT_Body worn_Back_5mm



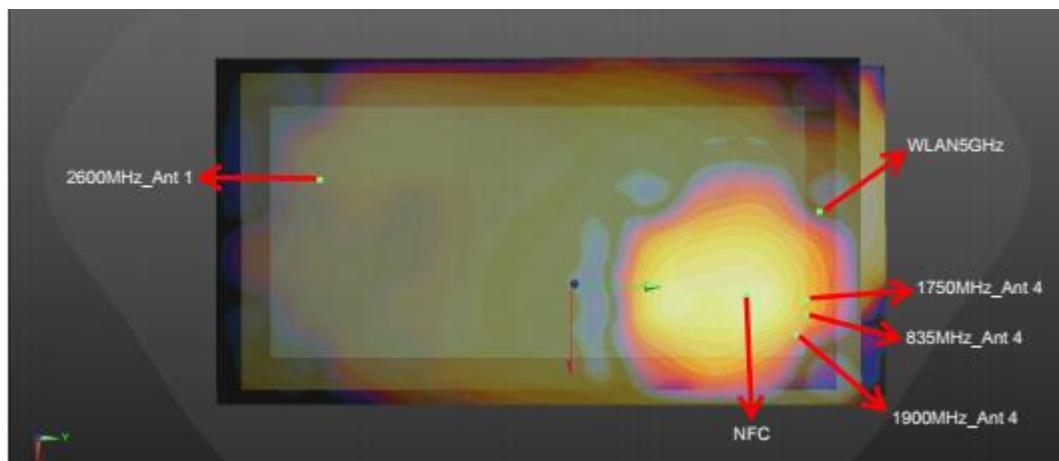
WWAN+WLAN_Body worn_Back_5mm



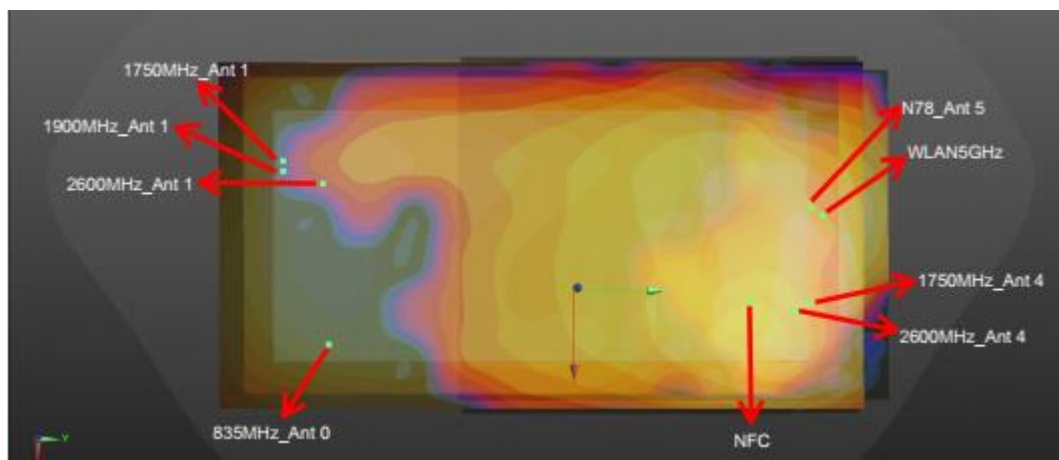
ULCA+WLAN5GHz+BT_Body Worn_Front_5mm



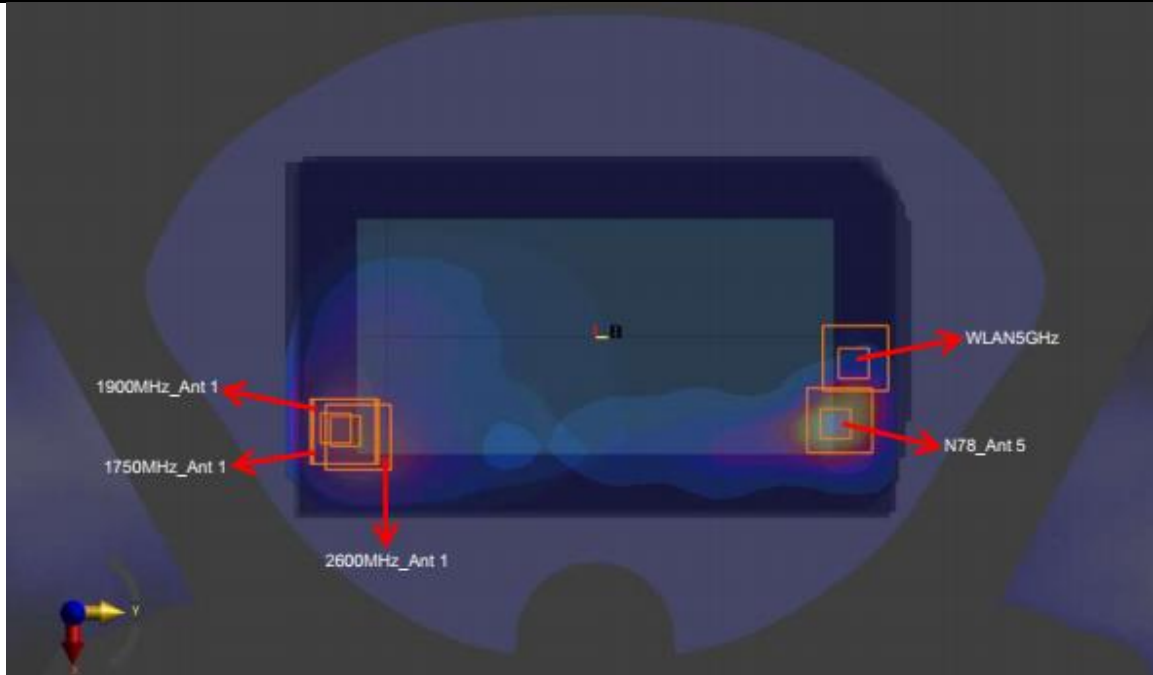
ENDC+WLAN5GHz+BT_Body Worn_Front_5mm



ULCA+WLAN5GHz+NFC_Extremity_Back_0mm



ENDC+WLAN5GHz+NFC_Extremity_Back_0mm



ENDC+WLAN5GHz+BT_Extremity_Front_0mm

<Head for ULCA/EN-DC>

Case 102 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 B7	Right Cheek	0.437	0.437	61.1	1.71	0.04	Not required
All Band Ant 4 (B2/B4/B5)		0.830	1.270				
WLAN2.4GHz		0.440					
Case 103 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 B7	Right Cheek	0.437	0.437	61.1	1.78	0.04	Not required
All Band Ant 4 (B2/B4/B5)		0.830	1.344				
WLAN5GHz		0.440					
BT		0.074					
Case 104 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
All Band Ant 1 (B2/B4)	Right Cheek	0.300	0.300	61.1	1.62	0.03	Not required
All Band Ant 4 (B4/B5/B66)		0.809	1.323				
WLAN5GHz		0.440					
BT		0.074					
Case 105 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Right Cheek	0.437	0.437	61.1	1.69	0.04	Not required
Ant 4 (N7/N66/N38/N41)		0.814	1.254				
WLAN2.4GHz		0.440					
Case 106 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Right Cheek	0.437	0.437	61.1	1.77	0.04	Not required
Ant 4 (N7/N66/N38/N41)		0.814	1.328				
WLAN5GHz		0.440					
BT		0.074					

Note:

1. Please refer to section 16.1 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.



<Hotspot for Standalone>

Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM850 Ant 0	Back	1.317	5mm	X	Y	Z	160.9	2.17	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900 Ant 1	Back	1.036	5mm	X	Y	Z	153.7	1.88	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II Ant 1	Back	1.047	5mm	X	Y	Z	153.8	1.90	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV Ant 1	Back	0.939	5mm	X	Y	Z	156.3	1.79	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 5_Cube 0	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.393	5mm	X	Y	Z	156.9	2.24	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 5_Cube 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.393	5mm	X	Y	Z	158.4	2.24	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7 Ant 1	Back	1.249	5mm	X	Y	Z	144.2	2.10	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 12 Ant 0	Back	1.093	5mm	X	Y	Z	150.5	1.94	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13 Ant 0	Back	0.968	5mm	X	Y	Z	150.5	1.82	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25 Ant 1	Back	1.092	5mm	X	Y	Z	146.3	1.94	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 26 Ant 0	Back	1.43	5mm	X	Y	Z	150.0	2.28	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66 Ant 1	Back	0.866	5mm	X	Y	Z	155.2	1.71	0.01	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41 Ant 1	Back	1.232	5mm	X	Y	Z	144.2	2.08	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



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	FR1 n2 Ant 1	Back	1.129	5mm	-0.0285	-0.07	-0.209	148.5	1.98	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n7 Ant 1	Back	1.25	5mm	-0.0454	-0.0711	-0.209	149.5	2.10	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n26 Ant 0	Back	0.778	5mm	0.0145	-0.072	-0.208	159.2	1.63	0.01	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n66 Ant 1	Back	1.104	5mm	-0.0475	-0.078	-0.208	156.5	1.95	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 17	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n41 Ant 1	Back	1.249	5mm	-0.0454	-0.0696	-0.209	148.0	2.10	0.02	Not required
	WLAN2.4GHz Ant 6		0.848	5mm	-0.0382	0.0782	-0.209				
Case 18	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n77 Ant 9	Right side	1.337	5mm	-0.0214	0.0694	-0.209	117.8	1.70	0.02	Not required
	WLAN2.4GHz Ant 6		0.367	5mm	-0.0262	-0.0483	-0.209				
Case 19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850 Ant 0	Back	1.317	5mm	0.0095	-0.0755	-0.208	165.4	1.79	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	GSM850 Ant 0	Back	1.317	5mm	0.0095	-0.0755	-0.208	167.9	1.51	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900 Ant 1	Back	1.036	5mm	-0.0405	-0.0755	-0.209	162.2	1.51	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	GSM1900 Ant 1	Back	1.036	5mm	-0.0405	-0.0755	-0.209	159.9	1.22	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 21	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA II Ant 1	Back	1.047	5mm	-0.0435	-0.0755	-0.209	162.4	1.52	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	WCDMA II Ant 1	Back	1.047	5mm	-0.0435	-0.0755	-0.209	159.9	1.24	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 22	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA IV Ant 1	Back	0.939	5mm	-0.0445	-0.078	-0.209	165.0	1.41	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	WCDMA IV Ant 1	Back	0.939	5mm	-0.0445	-0.078	-0.209	162.4	1.13	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 23	Band	Position	SAR	Gap	SAR peak location (m)			3D	Summed	SPLSR	Simultaneous SAR



			(W/kg)	(mm)	X	Y	Z	distance (mm)	SAR (W/kg)		
	WCDMA V Ant 0	Back	1.393	5mm	-0.0065	-0.0755	-0.209	162.7	1.87	0.02	Not required
			0.472	5mm	-0.026	0.086	-0.208				
	WCDMA V Ant 0	Back	1.393	5mm	-0.0065	-0.0755	-0.209	163.8	1.58	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7 Ant 1	Back	1.249	5mm	-0.0406	-0.066	-0.209	152.7	1.72	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	LTE Band 7 Ant 1	Back	1.249	5mm	-0.0406	-0.066	-0.209	150.4	1.44	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 25	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 12 Ant 0	Back	1.093	5mm	0.0095	-0.0645	-0.209	154.6	1.57	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	LTE Band 12 Ant 0	Back	1.093	5mm	0.0095	-0.0645	-0.209	157.5	1.28	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13 Ant 0	Back	0.968	5mm	0.0095	-0.0645	-0.209	154.6	1.44	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	LTE Band 13 Ant 0	Back	0.968	5mm	0.0095	-0.0645	-0.209	157.5	1.16	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 27	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25 Ant 1	Back	1.092	5mm	-0.0245	-0.0675	-0.209	153.5	1.56	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	LTE Band 25 Ant 1	Back	1.092	5mm	-0.0245	-0.0675	-0.209	152.9	1.28	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 26 Ant 0	Back	1.43	5mm	0.008	-0.0645	-0.209	154.3	1.90	0.02	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	LTE Band 26 Ant 0	Back	1.43	5mm	0.008	-0.0645	-0.209	157.0	1.62	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 29	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41 Ant 1	Back	1.232	5mm	-0.0406	-0.066	-0.209	152.7	1.70	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	LTE Band 41 Ant 1	Back	1.232	5mm	-0.0406	-0.066	-0.209	150.4	1.42	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				



Case 30	Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	FR1 n2 Ant 1	Back	1.129	5mm	-0.0285	-0.07	-0.209	156.0	1.60	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
Case 31	FR1 n2 Ant 1	Back	1.129	5mm	-0.0285	-0.07	-0.209	155.0	1.32	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 32	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n7 Ant 1	Back	1.25	5mm	-0.0454	-0.0711	-0.209	158.3	1.72	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	FR1 n7 Ant 1	Back	1.25	5mm	-0.0454	-0.0711	-0.209	155.5	1.44	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 33	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n66 Ant 1	Back	1.104	5mm	-0.0475	-0.078	-0.208	165.4	1.58	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	FR1 n66 Ant 1	Back	1.104	5mm	-0.0475	-0.078	-0.208	162.5	1.29	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 33	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n41 Ant 1	Back	1.249	5mm	-0.0454	-0.0696	-0.209	156.8	1.72	0.01	Not required
	WLAN5GHz Ant 5		0.472	5mm	-0.026	0.086	-0.208				
	FR1 n41 Ant 1	Back	1.249	5mm	-0.0454	-0.0696	-0.209	154.0	1.44	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.472	5mm	-0.026	0.086	-0.208	15.9	0.66	0.03	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				

<Hotspot for ULCA/EN-DC>

Case 85 Band	Position	SAR 1g SAR (W/kg)	Summed	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			1g SAR (W/kg)				
Ant 1 B7	Back	1.249	1.249	143.5	2.79	0.03	Not required
All Band Ant 4 (B2/B4/B5)		0.691	1.539				
WLAN2.4GHz		0.848					
Case 86 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
All Band Ant 1 (B2/B4)	Back	1.092	1.092	143.5	2.62	0.03	Not required
All Band Ant 4 (B4/B5/B66)		0.675	1.523				
WLAN2.4GHz		0.848					
Case 87 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 B7	Back	1.249	1.249	143.5	2.60	0.03	Not required
All Band Ant 4 (B2/B4/B5)		0.691	1.351				
WLAN5GHz		0.472					
BT		0.188					
Case 88 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



Ant 1 B7	Back	1.092	1.092	143.5	2.43	0.03	Not required
All Band Ant 4 (B2/B4/B5)		0.675	1.335				
WLAN5GHz		0.472					
BT		0.188					
Case 89 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 0 (B5/B26)	Back	1.430	1.430	143.5	2.89	0.03	Not required
Ant 5 N77		0.610	1.458				
WLAN2.4GHz		0.848					
Case 90 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Back	1.249	1.249	143.5	2.79	0.03	Not required
Ant 4 (N7/N66/N38/N41)		0.690	1.538				
WLAN2.4GHz		0.848					
Case 91 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66/B38/B41)	Back	1.249	1.249	143.5	2.71	0.03	Not required
Ant 5 N77		0.610	1.458				
WLAN2.4GHz		0.848					
Case 92 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1(N7/N66)	Back	1.250	1.250	143.5	2.49	0.03	Not required
Ant 4 B5		0.395	1.243				
WLAN2.4GHz		0.848					
Case 93 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 0 (B5/B26)	Back	1.430	1.430	143.5	2.70	0.03	Not required
Ant 5 N77		0.610	1.270				
WLAN5GHz		0.472					
BT		0.188					
Case 94 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Back	1.249	1.249	143.5	2.60	0.03	Not required
Ant 4 (N7/N66/N38/N41)		0.690	1.350				
WLAN5GHz		0.472					
BT		0.188					
Case 95 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66/B38/B41)	Back	1.249	1.249	143.5	2.52	0.03	Not required
Ant 5 N77		0.610	1.270				
WLAN5GHz		0.472					
BT		0.188					
Case 96 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1(N7/N66)	Back	1.250	1.250	143.5	2.31	0.02	Not required
Ant 4 B5		0.395	1.055				
WLAN5GHz		0.472					
BT		0.188					

Note:

1. Please refer to section 16.2 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.



<Body-worn for standalone>

Case 34	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM850 Ant 0	Back	1.317	5mm	X	Y	Z				
			0.651	5mm	-0.0344	0.0782	-0.209				
	WLAN2.4GHz Ant 6							159.8	1.97	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900 Ant 1	Back	1.432	5mm	X	Y	Z				
0.651			5mm	-0.0405	-0.0755	-0.209					
	WLAN2.4GHz Ant 6							153.8	2.08	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II Ant 1	Back	1.302	5mm	X	Y	Z				
0.651			5mm	-0.0435	-0.0755	-0.209					
	WLAN2.4GHz Ant 6							154.0	1.95	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV Ant 1	Back	1.391	5mm	X	Y	Z				
0.651			5mm	-0.0445	-0.078	-0.209					
	WLAN2.4GHz Ant 6							156.5	2.04	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.393	5mm	X	Y	Z				
0.651			5mm	-0.0065	-0.0755	-0.209					
	WLAN2.4GHz Ant 6							156.2	2.04	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V Ant 0	Back	1.393	5mm	X	Y	Z				
0.651			5mm	-0.0065	-0.077	-0.209					
	WLAN2.4GHz Ant 6							157.7	2.04	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7 Ant 1	Back	1.249	5mm	X	Y	Z				
0.651			5mm	-0.0406	-0.066	-0.209					
	WLAN2.4GHz Ant 6							144.3	1.90	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 12 Ant 0	Back	1.093	5mm	X	Y	Z				
0.651			5mm	-0.0344	0.0782	-0.209					
	WLAN2.4GHz Ant 6							149.3	1.74	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13 Ant 0	Back	0.968	5mm	X	Y	Z				
0.651			5mm	-0.0095	-0.0645	-0.209					
	WLAN2.4GHz Ant 6							149.3	1.62	0.01	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25 Ant 1	Back	1.261	5mm	X	Y	Z				
0.651			5mm	-0.0245	-0.0675	-0.209					
	WLAN2.4GHz Ant 6							146.0	1.91	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 26 Ant 0	Back	1.43	5mm	X	Y	Z				
0.651			5mm	-0.0344	0.0782	-0.209					
	WLAN2.4GHz Ant 6							148.9	2.08	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66 Ant 1	Back	1.239	5mm	X	Y	Z				
0.651			5mm	-0.042	-0.077	-0.209					
	WLAN2.4GHz Ant 6							155.4	1.89	0.02	Not required
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41 Ant 1	Back	1.232	5mm	X	Y	Z				
0.651			5mm	-0.0406	-0.066	-0.209					
	WLAN2.4GHz Ant 6							144.3	1.88	0.02	Not required



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Case 46	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n2 Ant 1	Back	1.363	5mm	-0.0285	-0.07	-0.209	148.3	2.01	0.02	Not required
	WLAN2.4GHz Ant 6		0.651	5mm	-0.0344	0.0782	-0.209				
Case 47	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n7 Ant 1	Back	1.25	5mm	-0.0454	-0.0711	-0.209	149.7	1.90	0.02	Not required
	WLAN2.4GHz Ant 6		0.651	5mm	-0.0344	0.0782	-0.209				
Case 48	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n66 Ant 1	Back	1.405	5mm	-0.0475	-0.078	-0.208	156.8	2.06	0.02	Not required
	WLAN2.4GHz Ant 6		0.651	5mm	-0.0344	0.0782	-0.209				
Case 49	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n41 Ant 1	Back	1.249	5mm	-0.0454	-0.0696	-0.209	148.2	1.90	0.02	Not required
	WLAN2.4GHz Ant 6		0.651	5mm	-0.0344	0.0782	-0.209				
Case 50	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n77 Ant 9	Back	1.048	5mm	-0.0646	-0.069	-0.21	150.3	1.70	0.01	Not required
	WLAN2.4GHz Ant 6		0.651	5mm	-0.0344	0.0782	-0.209				
Case 51	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850 Ant 0	Back	1.317	5mm	0.0095	-0.0755	-0.208	166.5	1.83	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	GSM850 Ant 0	Back	1.317	5mm	0.0095	-0.0755	-0.208	167.9	1.51	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 52	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900 Ant 1	Back	1.432	5mm	-0.0405	-0.0755	-0.209	163.1	1.94	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	GSM1900 Ant 1	Back	1.432	5mm	-0.0405	-0.0755	-0.209	159.9	1.62	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 53	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA II Ant 1	Back	1.302	5mm	-0.0435	-0.0755	-0.209	163.3	1.81	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	WCDMA II Ant 1	Back	1.302	5mm	-0.0435	-0.0755	-0.209	159.9	1.49	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 54	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA IV Ant 1	Back	1.391	5mm	-0.0445	-0.078	-0.209	165.9	1.90	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	WCDMA IV Ant 1	Back	1.391	5mm	-0.0445	-0.078	-0.209	162.4	1.58	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 55	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				



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			(W/kg)	(mm)	X	Y	Z	distance (mm)	SAR (W/kg)		
	WCDMA V Ant 0	Back	1.393	5mm	-0.0065	-0.077	-0.209	165.3	1.90	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	WCDMA V Ant 0	Back	1.393	5mm	-0.0065	-0.077	-0.209	165.2	1.58	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 56	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7 Ant 1	Back	1.249	5mm	-0.0406	-0.066	-0.209	153.6	1.76	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 7 Ant 1	Back	1.249	5mm	-0.0406	-0.066	-0.209	150.4	1.44	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 57	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 12 Ant 0	Back	1.093	5mm	0.0095	-0.0645	-0.209	155.8	1.60	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 12 Ant 0	Back	1.093	5mm	0.0095	-0.0645	-0.209	157.5	1.28	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 58	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 13 Ant 0	Back	0.968	5mm	0.0095	-0.0645	-0.209	155.8	1.48	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 13 Ant 0	Back	0.968	5mm	0.0095	-0.0645	-0.209	157.5	1.16	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 59	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25 Ant 1	Back	1.261	5mm	-0.0245	-0.0675	-0.209	154.5	1.77	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 25 Ant 1	Back	1.261	5mm	-0.0245	-0.0675	-0.209	152.9	1.45	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 60	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26 Ant 0	Back	1.43	5mm	0.008	-0.0645	-0.209	155.5	1.94	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 26 Ant 0	Back	1.43	5mm	0.008	-0.0645	-0.209	157.0	1.62	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 61	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 66 Ant 1	Back	1.239	5mm	-0.042	-0.077	-0.209	164.7	1.75	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 66 Ant 1	Back	1.239	5mm	-0.042	-0.077	-0.209	161.4	1.43	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				



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	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 62	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41 Ant 1	Back	1.232	5mm	-0.0406	-0.066	-0.209	153.6	1.74	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	LTE Band 41 Ant 1	Back	1.232	5mm	-0.0406	-0.066	-0.209	150.4	1.42	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 63	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n2 Ant 1	Back	1.363	5mm	-0.0285	-0.07	-0.209	157.0	1.87	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	FR1 n2 Ant 1	Back	1.363	5mm	-0.0285	-0.07	-0.209	155.0	1.55	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 64	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n7 Ant 1	Back	1.25	5mm	-0.0454	-0.0711	-0.209	159.2	1.76	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	FR1 n7 Ant 1	Back	1.25	5mm	-0.0454	-0.0711	-0.209	155.5	1.44	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 65	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n66 Ant 1	Back	1.405	5mm	-0.0475	-0.078	-0.208	166.3	1.92	0.02	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	FR1 n66 Ant 1	Back	1.405	5mm	-0.0475	-0.078	-0.208	162.5	1.59	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 66	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n41 Ant 1	Back	1.249	5mm	-0.0454	-0.0696	-0.209	157.7	1.76	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	FR1 n41 Ant 1	Back	1.249	5mm	-0.0454	-0.0696	-0.209	154.0	1.44	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
Case 67	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n77 Ant 9	Back	1.048	5mm	-0.0646	-0.069	-0.21	160.5	1.56	0.01	Not required
	WLAN5GHz Ant 5		0.51	5mm	-0.027	0.087	-0.208				
	FR1 n77 Ant 9	Back	1.048	5mm	-0.0646	-0.069	-0.21	155.1	1.24	0.01	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				
	WLAN5GHz Ant 5	Back	0.51	5mm	-0.027	0.087	-0.208	15.1	0.70	0.04	Not required
	Bluetooth Ant 6		0.188	5mm	-0.0418	0.0844	-0.209				

<Body worn for ULCA/EN-DC>

Case 71 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
All Band Ant 1 (B2/B4)	Front	0.985	0.985	156.4	1.61	0.01	Not required
All Band Ant 4 (B4/B5/B66)		0.190					
WLAN5GHz		0.355					
BT		0.081					
Case 77 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 0 (B5/B26)	Front	0.905	0.905	156.4	1.63	0.01	Not required
Ant 5 N77		0.285					
WLAN5GHz		0.355					
BT		0.081					
Case 79 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Front	0.985	0.985	156.4	1.66	0.01	Not required
Ant 4 (N7/N66/N38/N41)		0.242					
WLAN5GHz		0.355					
BT		0.081					
Case 81 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66/B38/B41)	Front	0.985	0.985	156.4	1.71	0.01	Not required
Ant 5 N77		0.285					
WLAN5GHz		0.355					
BT		0.081					
Case 83 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1(N7/N66)	Front	1.080	1.080	156.4	1.71	0.01	Not required
Ant 4 B5		0.190					
WLAN5GHz		0.355					
BT		0.081					

Case 68 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 B7	Back	1.249	1.249	143.5	2.76	0.03	Not required
All Band Ant 4 (B2/B4/B5)		0.864					
WLAN2.4GHz		0.651					
Case 69 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
All Band Ant 1 (B2/B4)	Back	1.261	1.261	143.5	2.78	0.03	Not required
All Band Ant 4 (B4/B5/B66)		0.864					
WLAN2.4GHz		0.651					
Case 70 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 B7	Back	1.249	1.249	143.5	2.81	0.03	Not required
All Band Ant 4 (B2/B4/B5)		0.864					
WLAN5GHz		0.510					
BT		0.188					
Case 72 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
All Band Ant 1 (B2/B4)	Back	1.261	1.261	143.5	2.82	0.03	Not required
All Band Ant 4 (B4/B5/B66)		0.864					



WLAN5GHz		0.510					
BT		0.188					
Case 73 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 0 (B5/B26)	Back	1.430	1.430	143.5	2.86	0.03	Not required
Ant 5 N77		0.783	1.434				
WLAN2.4GHz		0.651					
Case 74 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Back	1.261	1.261	143.5	2.79	0.03	Not required
Ant 4 (N7/N66/N38/N41)		0.876	1.527				
WLAN2.4GHz		0.651					
Case 75 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66/B38/B41)	Back	1.261	1.261	143.5	2.70	0.03	Not required
Ant 5 N77		0.783	1.434				
WLAN2.4GHz		0.651					
Case 76 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1(N7/N66)	Back	1.405	1.405	143.5	2.45	0.03	Not required
Ant 4 B5		0.395	1.046				
WLAN2.4GHz		0.651					
Case 78 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 0 (B5/B26)	Back	1.430	1.430	143.5	2.91	0.03	Not required
Ant 5 N77		0.783	1.481				
WLAN5GHz		0.510					
BT		0.188					
Case 80 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66)	Back	1.261	1.261	143.5	2.84	0.03	Not required
Ant 4 (N7/N66/N38/N41)		0.876	1.574				
WLAN5GHz		0.510					
BT		0.188					
Case 82 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1 (B2/B4/B7/B66/B38/B41)	Back	1.261	1.261	143.5	2.74	0.03	Not required
Ant 5 N77		0.783	1.481				
WLAN5GHz		0.510					
BT		0.188					
Case 84 Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Ant 1(N7/N66)	Back	1.405	1.405	143.5	2.50	0.03	Not required
Ant 4 B5		0.395	1.093				
WLAN5GHz		0.510					
BT		0.188					

Note:

1. Please refer to section 16.3 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.



<Extremity for ULCA/EN-DC>

Case 107 Band	Position	SAR (W/kg)	Summed	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			10g SAR (W/kg)		X	Y	Z				
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	150.0	5.90	0.10	Not required
LTE Band 2 Ant 4		2.338	2.706	0mm	1.5	78	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	152.7	5.90	0.09	Not required
LTE Band 2 Ant 4		2.338	2.706	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	137.6	5.90	0.10	Not required
LTE Band 2 Ant 4		2.338	2.706	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 108 Band	Position	SAR (W/kg)	Summed	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			10g SAR (W/kg)		X	Y	Z				
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	150.7	4.67	0.07	Not required
LTE Band 4 Ant 4		1.105	1.473	0mm	-1.5	79.5	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	152.7	4.67	0.07	Not required
LTE Band 4 Ant 4		1.105	1.473	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	137.6	4.67	0.07	Not required
LTE Band 4 Ant 4		1.105	1.473	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 109 Band	Position	SAR (W/kg)	Summed	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			10g SAR (W/kg)		X	Y	Z				
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	147.8	4.42	0.06	Not required
FR1 n7 Ant 4		2.347	2.715	0mm	-7	81.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	151.0	4.42	0.06	Not required
FR1 n7 Ant 4		2.347	2.715	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	129.8	4.42	0.07	Not required
FR1 n7 Ant 4		2.347	2.715	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 110 Band	Position	SAR (W/kg)	Summed	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			10g SAR (W/kg)		X	Y	Z				
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	162.6	5.92	0.09	Not required
FR1 n7 Ant 4		2.347	2.715	0mm	-7	81.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	5.92	0.09	Not required
FR1 n7 Ant 4		2.347	2.715	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	5.92	0.10	Not required
FR1 n7 Ant 4		2.347	2.715	0mm							
WLAN5GHz Ant 5		0.339		0mm							



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NFC		0.029		0mm	25	55	-208				
Case 111 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	162.6	5.92	0.09	Not required
FR1 n7 Ant 4		2.347	2.715	0mm	-7	81.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	5.92	0.09	Not required
FR1 n7 Ant 4		2.347	2.715	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	5.92	0.10	Not required
FR1 n7 Ant 4		2.347	2.715	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 112 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	150.7	4.27	0.06	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	151.0	4.27	0.06	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	129.8	4.27	0.07	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 113 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 4 Ant 1	Front	2.267	2.267	0mm	5	-85.7	-203	163.7	4.57	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm	5	78	-203				
WLAN5GHz Ant 5		0.519		0mm							
NFC		0		0mm							
LTE Band 4 Ant 1	Front	2.267	2.267	0mm	5	-85.7	-203	170.4	4.57	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm							
WLAN5GHz Ant 5		0.519		0mm	-15	83.5	-203				
NFC		0		0mm							
LTE Band 4 Ant 1	Front	2.267	2.267	0mm	5	-85.7	-203	155.4	4.57	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm							
WLAN5GHz Ant 5		0.519		0mm							
NFC		0		0mm	20	69	-203				
Case 114 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	162.0	5.77	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	5.77	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	5.77	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							



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NFC		0.029		0mm	25	55	-208				
Case 115 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 5 Ant 0	Back	2.192	2.192	0mm	8	-64.5	-209	156.7	4.76	0.07	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 5 Ant 0	Back	2.192	2.192	0mm	8	-64.5	-209	154.3	4.76	0.07	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 5 Ant 0	Back	2.192	2.192	0mm	8	-64.5	-209	120.7	4.76	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 116 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 7 Ant 1	Front	2.287	2.287	0mm	-5	-85.4	-203	173.9	4.59	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.519		0mm							
NFC		0		0mm							
LTE Band 7 Ant 1	Front	2.287	2.287	0mm	-5	-85.4	-203	169.2	4.59	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm							
WLAN5GHz Ant 5		0.519		0mm	-15	83.5	-203				
NFC		0		0mm							
LTE Band 7 Ant 1	Front	2.287	2.287	0mm	-5	-85.4	-203	156.4	4.59	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm							
WLAN5GHz Ant 5		0.519		0mm							
NFC		0		0mm	20	69	-203				
Case 117 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	151.0	5.77	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	152.7	5.77	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	137.6	5.77	0.10	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 118 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 26 Ant 0	Back	2.192	2.192	0mm	8	-64.5	-209	156.7	4.76	0.07	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 26 Ant 0	Back	2.192	2.192	0mm	8	-64.5	-209	154.3	4.76	0.07	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 26 Ant 0	Back	2.192	2.192	0mm	8	-64.5	-209	120.7	4.76	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							



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Case 119 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 66 Ant 1	Front	2.267	2.267	0mm	5	-85.7	-203	163.7	4.57	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm	5	78	-203				
WLAN5GHz Ant 5		0.519		0mm							
NFC		0		0mm							
LTE Band 66 Ant 1	Front	2.267	2.267	0mm	5	-85.7	-203	170.4	4.57	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm							
WLAN5GHz Ant 5		0.519		0mm	-15	83.5	-203				
NFC		0		0mm							
LTE Band 66 Ant 1	Front	2.267	2.267	0mm	5	-85.7	-203	155.4	4.57	0.06	Not required
FR1 n78 Ant 5		1.786	2.305	0mm							
WLAN5GHz Ant 5		0.519		0mm							
NFC		0		0mm	20	69	-203				
Case 120 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	162.0	5.77	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	5.77	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	5.77	0.09	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 121 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 38 Ant 1	Back	2.53	2.53	0mm	-40.6	-66	-209	151.0	5.10	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 38 Ant 1	Back	2.53	2.53	0mm	-40.6	-66	-209	152.7	5.10	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 38 Ant 1	Back	2.53	2.53	0mm	-40.6	-66	-209	137.6	5.10	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 122 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 41 Ant 1	Back	2.53	2.53	0mm	-40.6	-66	-209	151.0	5.10	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm	-39	85	-209				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 41 Ant 1	Back	2.53	2.53	0mm	-40.6	-66	-209	152.7	5.10	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 41 Ant 1	Back	2.53	2.53	0mm	-40.6	-66	-209	137.6	5.10	0.08	Not required
FR1 n78 Ant 5		2.199	2.567	0mm							
WLAN5GHz Ant 5		0.339		0mm							



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NFC		0.029		0mm	25	55	-208				
Case 123 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	155.4	4.44	0.06	Not required
FR1 n66 Ant 4		2.367	2.735	0mm	-4	89	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	151.0	4.44	0.06	Not required
FR1 n66 Ant 4		2.367	2.735	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	129.8	4.44	0.07	Not required
FR1 n66 Ant 4		2.367	2.735	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 124 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	159.3	5.93	0.09	Not required
FR1 n66 Ant 4		2.367	2.735	0mm	-4	89	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	152.7	5.93	0.09	Not required
FR1 n66 Ant 4		2.367	2.735	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 7 Ant 1	Back	3.198	3.198	0mm	-40.6	-66	-209	137.6	5.93	0.10	Not required
FR1 n66 Ant 4		2.367	2.735	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 125 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	158.9	6.04	0.09	Not required
FR1 n41 Ant 4		2.476	2.844	0mm	-2.2	76.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	6.04	0.09	Not required
FR1 n41 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	6.04	0.10	Not required
FR1 n41 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 126 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	158.9	6.04	0.09	Not required
FR1 n41 Ant 4		2.476	2.844	0mm	-2.2	76.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	6.04	0.09	Not required
FR1 n41 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	6.04	0.10	Not required
FR1 n41 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm							



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NFC		0.029		0mm	25	55	-208				
Case 127 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	143.5	4.55	0.07	Not required
FR1 n38 Ant 4		2.476	2.844	0mm	-2.2	76.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	151.0	4.55	0.06	Not required
FR1 n38 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 2 Ant 1	Back	1.704	1.704	0mm	-24.5	-65	-209	129.8	4.55	0.07	Not required
FR1 n38 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 128 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	158.9	6.04	0.09	Not required
FR1 n38 Ant 4		2.476	2.844	0mm	-2.2	76.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	6.04	0.09	Not required
FR1 n38 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 4 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	6.04	0.10	Not required
FR1 n38 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				
Case 129 Band	Position	SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	158.9	6.04	0.09	Not required
FR1 n38 Ant 4		2.476	2.844	0mm	-2.2	76.8	-208				
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	163.8	6.04	0.09	Not required
FR1 n38 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm	-26	86	-208				
NFC		0.029		0mm							
LTE Band 66 Ant 1	Back	3.2	3.2	0mm	-42	-77	-209	148.0	6.04	0.10	Not required
FR1 n38 Ant 4		2.476	2.844	0mm							
WLAN5GHz Ant 5		0.339		0mm							
NFC		0.029		0mm	25	55	-208				

16.6 Separation distance between Peak SAR locations of each one pair Calculation results

General Note:

- Recorded for each of the supported technology/bands per antenna, in addition to the maximum reported SAR, the SAR hotspot location in a coordinate system aligned along with device dimensions (x-axis along width, y-axis along width and z-axis along length), please refer to below tables.
- Calculate results of the separation distance between the peak SAR locations for each one antenna pair with WWAN band ant0/1/4/5 and WLAN/BT ant5/6, NFC ant11, please refer to below tables.
- Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

<Head>

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	83.7
LTE Band 2	Ant 4		0mm	29.3	-329.8	-170	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	90.4
LTE Band 4	Ant 4		0mm	21.8	-334.2	-170	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	87.7
LTE Band 5	Ant 4		0mm	16.7	-329	-170	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	95.8
LTE Band 4	Ant 4		0mm	21.8	-334.2	-170	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	95.8
LTE Band 66	Ant 4		0mm	21.8	-334.2	-170	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	94.3
LTE Band 4	Ant 4		0mm	21.8	-334.2	-170	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.5
LTE Band 5	Ant 4		0mm	16.7	-329	-170	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	94.3
LTE Band 66	Ant 4		0mm	21.8	-334.2	-170	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	61.7
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	66.4
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	64.6
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	62.9
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	67.6
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	65.7
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	77.7
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	82.6
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	80.8
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 5	Ant 0	Right Cheek	0mm	61.5	-263	-171	71.7
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 26	Ant 0	Right Cheek	0mm	61.5	-263	-171	71.7
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	93.6
FR1 n7	Ant 4		0mm	4.1	-322.3	-169	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	96.7
FR1 n66	Ant 4		0mm	21.5	-335	-170	



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LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	93.4
FR1 n38	Ant 4		0mm	3.9	-322	-169	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	93.4
FR1 n41	Ant 4		0mm	3.9	-322	-169	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.8
FR1 n7	Ant 4		0mm	4.1	-322.3	-169	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	95.2
FR1 n66	Ant 4		0mm	21.5	-335	-170	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.7
FR1 n38	Ant 4		0mm	3.9	-322	-169	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.7
FR1 n41	Ant 4		0mm	3.9	-322	-169	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	88.3
FR1 n7	Ant 4		0mm	4.1	-322.3	-169	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	91.3
FR1 n66	Ant 4		0mm	21.5	-335	-170	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	88.1
FR1 n38	Ant 4		0mm	3.9	-322	-169	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	88.1
FR1 n41	Ant 4		0mm	3.9	-322	-169	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.8
FR1 n7	Ant 4		0mm	4.1	-322.3	-169	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	95.2
FR1 n66	Ant 4		0mm	21.5	-335	-170	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.7
FR1 n38	Ant 4		0mm	3.9	-322	-169	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	91.7
FR1 n41	Ant 4		0mm	3.9	-322	-169	
LTE Band 2	Ant 1	Right Cheek	0mm	56.8	-245	-168.8	77.8
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 4	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	75.9
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 7	Ant 1	Right Cheek	0mm	54.7	-250	-170	73.0
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	75.9
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 38	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	72.5
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
LTE Band 41	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	72.5
FR1 N77	Ant 5		0mm	-2.2	-295.6	-166	
FR1 n7	Ant 1	Right Cheek	0mm	54	-247	-170	90.1
LTE Band 5	Ant 4		0mm	16.7	-329	-170	
FR1 n66	Ant 1	Right Cheek	0mm	56.1	-245.5	-169	92.3
LTE Band 5	Ant 4		0mm	16.7	-329	-170	
LTE Band 5	Ant 0	Right Cheek	0mm	61.5	-263	-171	61.1
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 26	Ant 0	Right Cheek	0mm	61.5	-263	-171	61.1
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	64.6
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 38	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	61.2
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 41	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	61.2
BT	Ant 6		0mm	5.5	-287.2	-167.5	

FR1 n7	Ant 1	Right Cheek	0mm	54	-247	-170	63.0
BT	Ant 6		0mm	5.5	-287.2	-167.5	
FR1 n66	Ant 1	Right Cheek	0mm	56.1	-245.5	-169	65.6
BT	Ant 6		0mm	5.5	-287.2	-167.5	
LTE Band 5	Ant 0	Right Cheek	0mm	61.5	-263	-171	62.3
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 26	Ant 0	Right Cheek	0mm	61.5	-263	-171	62.3
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	65.7
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 38	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	62.3
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 41	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	62.3
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
FR1 n7	Ant 1	Right Cheek	0mm	54	-247	-170	64.2
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
FR1 n66	Ant 1	Right Cheek	0mm	56.1	-245.5	-169	66.8
WLAN2.4GHz	Ant 6		0mm	4.5	-287.8	-167	
LTE Band 5	Ant 0	Right Cheek	0mm	61.5	-263	-171	75.2
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 26	Ant 0	Right Cheek	0mm	61.5	-263	-171	75.2
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 66	Ant 1	Right Cheek	0mm	55.2	-246	-169.3	80.8
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 38	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	77.2
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
LTE Band 41	Ant 1	Right Cheek	0mm	53.9	-249.9	-170	77.2
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
FR1 n7	Ant 1	Right Cheek	0mm	54	-247	-170	79.3
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	
FR1 n66	Ant 1	Right Cheek	0mm	56.1	-245.5	-169	81.8
WLAN5GHz	Ant 5		0mm	-2.1	-302.9	-167	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN+BT	Right Cheek 0mm	61.1

<hotspot>

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	150.0
LTE Band 2	Ant 4		5mm	1.5	78	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	150.7
LTE Band 4	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	160.4
LTE Band 5	Ant 4		5mm	0.5	89	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	146.3
LTE Band 4	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	146.3
LTE Band 66	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	161.7
LTE Band 4	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	171.4



LTE Band 5	Ant 4		5mm	0.5	89	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	161.7
LTE Band 66	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	161.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	144.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	143.9
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	155.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	152.7
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	151.0
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	163.8
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	156.7
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	156.7
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	147.8
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	155.4
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	143.5
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	143.5
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	162.6
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	170.3
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	151.6
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	159.3
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	147.9
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	147.9
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	162.6
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	170.3
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	158.9



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FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	150.7
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	162.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	151.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	162.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	151.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	151.0
FR1 N77	Ant 5		5mm	-39	85	-209	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	166.6
LTE Band 5	Ant 4		5mm	0.5	89	-208	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	173.8
LTE Band 5	Ant 4		5mm	0.5	89	-208	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	157.0
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	157.0
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	161.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	155.5
BT	Ant 6		5mm	-41.8	84.4	-209	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	162.5
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	150.0
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	150.0
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	155.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	144.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	144.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	149.5
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	156.5
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	154.3
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	154.3
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	163.8
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	152.7
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	152.7
WLAN5GHz	Ant 5		5mm	-26	86	-208	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	158.3



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WLAN5GHz	Ant 5	Back	5mm	-26	86	-208	165.4
FR1 n66	Ant 1		5mm	-47.5	-78	-208	
WLAN5GHz	Ant 5		5mm	-26	86	-208	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN+BT	Back 5mm	143.5

<Body worn>

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	157.0
LTE Band 2	Ant 4		5mm	-40	67.6	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	171.3
LTE Band 4	Ant 4		5mm	-40	82.3	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	162.8
LTE Band 5	Ant 4		5mm	-40	73.6	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	174.1
LTE Band 4	Ant 4		5mm	-40	82.3	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	174.1
LTE Band 66	Ant 4		5mm	-40	82.3	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	173.9
LTE Band 4	Ant 4		5mm	-40	82.3	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	165.5
LTE Band 5	Ant 4		5mm	-40	73.6	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	173.9
LTE Band 66	Ant 4		5mm	-40	82.3	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	159.6
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	159.8
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	159.6
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	157.5
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	157.7
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	157.5
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	169.2
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	170.6
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	170.4
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 5	Ant 0	Front	5mm	5	-85.7	-203	163.7
FR1 N77	Ant 5		5mm	5	78	-203	
LTE Band 26	Ant 0	Front	5mm	5	-85.7	-203	163.7
FR1 N77	Ant 5		5mm	5	78	-203	



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LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	174.1
FR1 n7	Ant 4		5mm	-40	82.3	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	174.8
FR1 n66	Ant 4		5mm	-40.1	83	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	174.4
FR1 n38	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	174.4
FR1 n41	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	173.9
FR1 n7	Ant 4		5mm	-40	82.3	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	174.6
FR1 n66	Ant 4		5mm	-40.1	83	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	174.2
FR1 n38	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	174.2
FR1 n41	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	171.3
FR1 n7	Ant 4		5mm	-40	82.3	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	172.0
FR1 n66	Ant 4		5mm	-40.1	83	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	171.6
FR1 n38	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	171.6
FR1 n41	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	173.9
FR1 n7	Ant 4		5mm	-40	82.3	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	174.6
FR1 n66	Ant 4		5mm	-40.1	83	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	174.2
FR1 n38	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	174.2
FR1 n41	Ant 4		5mm	-40.3	82.5	-203	
LTE Band 2	Ant 1	Front	5mm	5	-85.9	-203	163.9
FR1 N77	Ant 5		5mm	5	78	-203	
LTE Band 4	Ant 1	Front	5mm	5	-85.7	-203	163.7
FR1 N77	Ant 5		5mm	5	78	-203	
LTE Band 7	Ant 1	Front	5mm	-5	-85.4	-203	163.7
FR1 N77	Ant 5		5mm	5	78	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	163.7
FR1 N77	Ant 5		5mm	5	78	-203	
LTE Band 38	Ant 1	Front	5mm	5	-84.6	-203	162.6
FR1 N77	Ant 5		5mm	5	78	-203	
LTE Band 41	Ant 1	Front	5mm	5	-84.6	-203	162.6
FR1 N77	Ant 5		5mm	5	78	-203	
FR1 n7	Ant 1	Front	5mm	5.3	-85.5	-203	165.4
LTE Band 5	Ant 4		5mm	-40	73.6	-203	
FR1 n66	Ant 1	Front	5mm	6	-85.5	-203	165.6
LTE Band 5	Ant 4		5mm	-40	73.6	-203	
LTE Band 5	Ant 0	Front	5mm	5	-85.7	-203	159.6
BT	Ant 6		5mm	5	73.9	-203	



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LTE Band 26	Ant 0	Front	5mm	5	-85.7	-203	159.6
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	159.6
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 38	Ant 1	Front	5mm	5	-84.6	-203	158.5
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 41	Ant 1	Front	5mm	5	-84.6	-203	158.5
BT	Ant 6		5mm	5	73.9	-203	
FR1 n7	Ant 1	Front	5mm	5.3	-85.5	-203	159.4
BT	Ant 6		5mm	5	73.9	-203	
FR1 n66	Ant 1	Front	5mm	6	-85.5	-203	159.4
BT	Ant 6		5mm	5	73.9	-203	
LTE Band 5	Ant 0	Front	5mm	5	-85.7	-203	157.5
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 26	Ant 0	Front	5mm	5	-85.7	-203	157.5
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	157.5
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 38	Ant 1	Front	5mm	5	-84.6	-203	156.4
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 41	Ant 1	Front	5mm	5	-84.6	-203	156.4
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
FR1 n7	Ant 1	Front	5mm	5.3	-85.5	-203	157.3
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
FR1 n66	Ant 1	Front	5mm	6	-85.5	-203	157.3
WLAN2.4GHz	Ant 6		5mm	5	71.8	-203	
LTE Band 5	Ant 0	Front	5mm	5	-85.7	-203	170.4
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 26	Ant 0	Front	5mm	5	-85.7	-203	170.4
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 66	Ant 1	Front	5mm	5	-85.7	-203	170.4
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 38	Ant 1	Front	5mm	5	-84.6	-203	169.3
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
LTE Band 41	Ant 1	Front	5mm	5	-84.6	-203	169.3
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
FR1 n7	Ant 1	Front	5mm	5.3	-85.5	-203	170.2
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	
FR1 n66	Ant 1	Front	5mm	6	-85.5	-203	170.3
WLAN5GHz	Ant 5		5mm	-15	83.5	-203	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN+BT	Front 5mm	156.4

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	150.0
LTE Band 2	Ant 4		5mm	1.5	78	-208	



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LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	150.7
LTE Band 4	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	160.4
LTE Band 5	Ant 4		5mm	0.5	89	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	146.3
LTE Band 4	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	146.3
LTE Band 66	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	161.7
LTE Band 4	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	171.4
LTE Band 5	Ant 4		5mm	0.5	89	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	161.7
LTE Band 66	Ant 4		5mm	-1.5	79.5	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	161.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	144.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	143.9
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	155.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	152.7
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	151.0
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	163.8
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	156.7
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	156.7
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	147.8
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	155.4
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	143.5
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	143.5
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	162.6
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	170.3
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	

LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	151.6
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	159.3
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	147.9
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	147.9
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	162.6
FR1 n7	Ant 4		5mm	-7	81.8	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	170.3
FR1 n66	Ant 4		5mm	-4	89	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n38	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	158.9
FR1 n41	Ant 4		5mm	-2.2	76.8	-208	
LTE Band 2	Ant 1	Back	5mm	-24.5	-65	-209	150.7
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 4	Ant 1	Back	5mm	-42	-77	-209	162.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 7	Ant 1	Back	5mm	-40.6	-66	-209	151.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	162.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	151.0
FR1 N77	Ant 5		5mm	-39	85	-209	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	151.0
FR1 N77	Ant 5		5mm	-39	85	-209	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	166.6
LTE Band 5	Ant 4		5mm	0.5	89	-208	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	173.8
LTE Band 5	Ant 4		5mm	0.5	89	-208	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	157.0
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	157.0
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	161.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	150.4
BT	Ant 6		5mm	-41.8	84.4	-209	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	155.5
BT	Ant 6		5mm	-41.8	84.4	-209	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	162.5
BT	Ant 6		5mm	-41.8	84.4	-209	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	150.0
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	

LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	150.0
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	155.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	144.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	144.2
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	149.5
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	156.5
WLAN2.4GHz	Ant 6		5mm	-38.2	78.2	-209	
LTE Band 5	Ant 0	Back	5mm	8	-64.5	-209	154.3
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 26	Ant 0	Back	5mm	8	-64.5	-209	154.3
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 66	Ant 1	Back	5mm	-42	-77	-209	163.8
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 38	Ant 1	Back	5mm	-40.6	-66	-209	152.7
WLAN5GHz	Ant 5		5mm	-26	86	-208	
LTE Band 41	Ant 1	Back	5mm	-40.6	-66	-209	152.7
WLAN5GHz	Ant 5		5mm	-26	86	-208	
FR1 n7	Ant 1	Back	5mm	-45.4	-71.1	-209	158.3
WLAN5GHz	Ant 5		5mm	-26	86	-208	
FR1 n66	Ant 1	Back	5mm	-47.5	-78	-208	165.4
WLAN5GHz	Ant 5		5mm	-26	86	-208	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN+BT	Back 5mm	143.5

Test Engineer : Martin Li, Varus Wang, Light Wang

17. 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.

18. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
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- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
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- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
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- [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

Appendixes

Please refer to separated files for the following appendixes

Appendix A. Plots of System Performance Check

Appendix B. Plots of High SAR Measurement

Appendix C. DASY Calibration Certificate

Appendix D. Test Setup Photos

Appendix E. Conducted RF Output Power Table

Appendix F. Power measurement connection diagram and CA Conducted RF Output Power Table

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