



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	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 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
Bluetooth/WLAN2.4GHz																		
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 3	Full	78	2480	1	12.80	14.00	1.318	76.8	1.302	-0.19	0.103	0.177	
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 3	Full	78	2480	1	12.80	14.00	1.318	76.8	1.302	0	0.116	0.199	
	Bluetooth	DH5 1Mbps	Right Side	5mm	Ant 3	Full	78	2480	1	12.80	14.00	1.318	76.8	1.302	0.03	0.048	0.082	
62	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 3	Full	78	2480	1	12.80	14.00	1.318	76.8	1.302	-0.13	0.151	0.259	
	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 3	Full	0	2402	1	10.60	12.00	1.380	76.8	1.302	0.15	0.135	0.243	
	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 3	Full	39	2441	1	12.20	14.00	1.514	76.8	1.302	0.15	0.131	0.258	
WLAN2.4GHz																		
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	Full	1	2412	1	15.91	17.50	1.442	98.65	1.014	-0.02	0.238	0.348	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	Full	1	2412	1	15.91	17.50	1.442	98.65	1.014	-0.09	0.345	0.504	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3	Full	1	2412	1	15.91	17.50	1.442	98.65	1.014	-0.02	0.058	0.085	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3	Full	1	2412	1	15.91	17.50	1.442	98.65	1.014	-0.07	0.493	0.721	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3	Full	6	2437	1	15.84	17.50	1.466	98.65	1.014	-0.12	0.429	0.638	
63	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3	Full	11	2462	1	15.88	17.50	1.452	98.65	1.014	0.05	0.603	0.888	
WLAN5GHz																		
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 8	Full	42	5210	1	12.75	13.50	1.189	91.98	1.087	-0.15	0.120	0.155	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 8	Full	42	5210	1	12.75	13.50	1.189	91.98	1.087	-0.19	0.204	0.264	
64	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 8	Full	42	5210	1	12.75	13.50	1.189	91.98	1.087	0.13	0.405	0.523	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 8	Full	42	5210	1	12.75	13.50	1.189	91.98	1.087	0.12	0.330	0.426	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 8	Full	155	5775	1	11.15	12.50	1.365	91.98	1.087	0.07	0.110	0.163	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 8	Full	155	5775	1	11.15	12.50	1.365	91.98	1.087	0.12	0.227	0.337	
65	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 8	Full	155	5775	1	11.15	12.50	1.365	91.98	1.087	0.13	0.391	0.580	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 8	Full	155	5775	2	11.15	12.50	1.365	91.98	1.087	0.06	0.359	0.533	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 8	Full	155	5775	1	11.15	12.50	1.365	91.98	1.087	-0.1	0.287	0.426	



Table with columns for Band, Power, Modulation, Frequency, etc. Includes rows for LTE Bands 66 and 66C, and FR1 bands n70 and n66. Some cells are highlighted in yellow.



FCC SAR Test Report

Report No. : FA3D0836

Table with columns for test parameters including FR1 n66, GSM1900, WCDMA II, and LTE Band 25. Includes SAR values and device configurations.



Table with columns for LTE Band, Frequency, Modulation, Power, etc. Includes rows for LTE Band 25 and FR1 n25 with various test configurations and SAR values.



FCC SAR Test Report

Report No. : FA3D0836

Table with columns: Band, Power, Modulation, Frequency, Duty Cycle, Position, Dimensions, Antenna, Polarization, Frequency, Power, Power Density, SAR, etc. Row 88 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA3D0836

Table with 22 columns: Band, Modulation, Power, Frequency, Tx, Distance, Gain, Antenna, etc. Rows contain test parameters and results for various LTE bands.



Table with columns: LTE Band 41, 20M, QPSK, 100, 0, -, Back, 5mm, Ant 9, -, DSI3, 40620, 2593, 1, 21.06, 21.80, 1.186, 62.9, 1.006, -0.05, 0.937, 1.118. Rows include FR1 n7 and FR1 n41 PC2 with various antenna configurations and parameters.



FCC SAR Test Report

Report No. : FA3D0836

Table with columns: LTE Band, Modulation, Power, Frequency, Location, Antenna, etc. Row 91 is highlighted in yellow.



Table with columns for Band, Modulation, Power, Frequency, etc. and rows for various test configurations including LTE Band 48 and FR1 n48.



FCC SAR Test Report

Report No. : FA3D0836

FR1 n77 Part27Q PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3_Sim	633332	3499.98	1	16.09	17.50	1.384	-	-	-0.08	0.541	0.749
FR1 n77 Part27O PC2	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 10	-	DSI3	656000	3840	1	12.25	13.50	1.334	-	-	-0.11	0.046	0.061
FR1 n77 Part27O PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 10	-	DSI3	656000	3840	1	12.25	13.50	1.334	-	-	0.07	0.736	0.981
FR1 n77 Part27O PC2	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 10	-	DSI3	656000	3840	1	12.22	13.50	1.343	-	-	0.04	0.048	0.064
FR1 n77 Part27O PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 10	-	DSI3	656000	3840	1	12.22	13.50	1.343	-	-	0	0.778	1.045
FR1 n77 Part27O PC2	100M	QPSK	135	69	DFT-30	Front	13mm	Ant 10	-	DSI4	656000	3840	1	23.51	25.00	1.409	-	-	-0.11	0.003	0.004
FR1 n77 Part27O PC2	100M	QPSK	135	69	DFT-30	Back	20mm	Ant 10	-	DSI4	656000	3840	1	23.51	25.00	1.409	-	-	0.18	0.312	0.440
FR1 n77 Part27O PC2	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 10	-	DSI3	656000	3840	1	12.16	13.50	1.361	-	-	-0.19	0.741	1.009
FR1 n77 Part27Q PC2	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 10	-	DSI3	633332	3499.98	1	12.29	13.50	1.321	-	-	-0.02	0.044	0.058
FR1 n77 Part27Q PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 10	-	DSI3	633332	3499.98	1	12.29	13.50	1.321	-	-	0.12	0.677	0.895
FR1 n77 Part27Q PC2	100M	QPSK	1	1	DFT-30	Front	13mm	Ant 10	-	DSI4	633332	3499.98	1	23.81	25.00	1.315	-	-	0.09	0.002	0.003
FR1 n77 Part27Q PC2	100M	QPSK	1	1	DFT-30	Back	20mm	Ant 10	-	DSI4	633332	3499.98	1	23.81	25.00	1.315	-	-	-0.12	0.415	0.546
FR1 n77 Part27Q PC2	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 10	-	DSI3	633332	3499.98	1	12.25	13.50	1.334	-	-	0.02	0.041	0.055
FR1 n77 Part27Q PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 10	-	DSI3	633332	3499.98	1	12.25	13.50	1.334	-	-	-0.05	0.652	0.869
FR1 n77 Part27Q PC2	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 10	-	DSI3	633332	3499.98	1	12.16	13.50	1.361	-	-	0.06	0.649	0.884
FR1 n77 Part27O PC2	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 10	-	DSI3_Sim	656000	3840	1	11.29	12.50	1.321	-	-	-0.17	0.034	0.045
FR1 n77 Part27O PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 10	-	DSI3_Sim	656000	3840	1	11.29	12.50	1.321	-	-	0.11	0.602	0.795
FR1 n77 Part27O PC2	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 10	-	DSI3_Sim	656000	3840	1	11.26	12.50	1.330	-	-	0.14	0.036	0.048
FR1 n77 Part27O PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 10	-	DSI3_Sim	656000	3840	1	11.26	12.50	1.330	-	-	0.18	0.621	0.826
FR1 n77 Part27O PC2	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 10	-	DSI3_Sim	656000	3840	1	11.25	12.50	1.334	-	-	-0.08	0.606	0.808
FR1 n77 Part27Q PC2	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 10	-	DSI3_Sim	633332	3499.98	1	11.32	12.50	1.312	-	-	0	0.030	0.039
FR1 n77 Part27Q PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 10	-	DSI3_Sim	633332	3499.98	1	11.32	12.50	1.312	-	-	-0.02	0.542	0.711
FR1 n77 Part27Q PC2	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 10	-	DSI3_Sim	633332	3499.98	1	11.29	12.50	1.321	-	-	-0.06	0.028	0.037
FR1 n77 Part27Q PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 10	-	DSI3_Sim	633332	3499.98	1	11.29	12.50	1.321	-	-	0	0.526	0.695



FCC SAR Test Report

Report No. : FA3D0836

Table with columns for Band, Power, Modulation, Frequency, Time, Location, Antenna, Power Density, and SAR values. Row 102 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA3D0836

Table with 22 columns: Device Model, Frequency, Modulation, Power, Duty Cycle, Bandwidth, Position, Distance, Antenna, Modulation, Power, Frequency, Power, SAR, SAR, SAR, SAR, SAR, SAR, SAR, SAR. Includes rows for FR1 n70 and FR1 n66.

1900 MHz

Table with 22 columns: Device Model, Frequency, Modulation, Power, Duty Cycle, Bandwidth, Position, Distance, Antenna, Modulation, Power, Frequency, Power, SAR, SAR, SAR, SAR, SAR, SAR, SAR, SAR. Includes rows for GSM1900 and WCDMA II.



FCC SAR Test Report

Report No. : FA3D0836

Table with columns for test parameters (WCDMA II, LTE Band 25, etc.), modulation (QPSK), power (20M), and SAR values (0.19, 0.965, 1.201, etc.). The table contains multiple rows of test results, with one cell highlighted in yellow (2.965).



FCC SAR Test Report

Report No. : FA3D0836

Table with columns for Band, Power, Modulation, etc. Includes rows for LTE Band 25 and FR1 n25. A yellow highlight is present on the row for FR1 n25 with 3.158.

2300 MHz

Table with columns for Band, Power, Modulation, etc. Includes rows for LTE Band 30.



FCC SAR Test Report

Report No. : FA3D0836

Table with columns for Band, Power, Modulation, Frequency, etc. Includes rows for LTE Band 30 and FR1 n30, with a 2600 MHz section at the bottom.



Table with columns: Band, Power, Modulation, Frequency, Duty Cycle, Exposure, etc. Row 110 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA3D0836

Table with 22 columns: Band, Modulation, Power, Frequency, etc. Row 111 is highlighted in yellow.



Table with columns for LTE Band 41, FR1 n7, 20M/40M, QPSK, 50/100/216, 24/0, DFT-15, Front/Back/Left Side/Bottom Side, 0mm, Ant 9, DSi6, 40620/39750/40185/41055/41490, 2593/2506/2549.5/2636.5/2680, 1, 23.21/23.19/23.15/22.79/22.78, 23.50, 1.069/1.074/1.084/1.178/1.180, 62.9, 1.006, -0.1/-0.13/0.08/0.18/-0.01, 1.900/1.610/1.750/1.820/1.810, 2.043/1.739/1.908/2.156/2.149, 2.310/2.484/2.377/2.268/2.405/2.743, 0.920/2.549/2.380/2.571/2.443/2.666/2.909, 1.750/2.355/2.210, 1.448/1.914/1.674/2.896/0.770/0.660/0.448/1.431/1.375/1.825/1.491/2.815/2.763/1.136/1.481/1.269/2.389/1.122/1.391/1.203/2.289/2.196/2.639/2.354/1.338/2.738/2.725/2.402/1.369/2.862/1.437/0.681/1.425/0.430/2.657/2.368/2.782



Table with columns: FR1 n41 PC2, 100M, QPSK, 1, 1, DFT-30, Front/Back/Left Side/Top Side, 0mm/5mm/7mm/8mm, Ant 1/2/5/9, DSI6/DSI4/DSI6_Sim, 518598, 2592.99, 1, 20.42/25.35, 22.00/27.00, 1.439/1.462, -, -, -0.07/-0.19/0.08/0.19, 1.080/1.390/1.260/2.030, 1.554/2.000/1.813/2.921, ...



Table with 21 columns: Device, Power, Modulation, Channels, Frequency, Position, Distance, Antenna, Bandwidth, Frequency, Power, SAR, etc. Rows include FR1 n41 PC2 with various configurations.

3000~4000 MHz

Table with 21 columns: LTE Band, Power, Modulation, Channels, Frequency, Position, Distance, Antenna, Bandwidth, Frequency, Power, SAR, etc. Rows include LTE Band 48 and LTE Band 48C with various configurations.



	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 8	Standalone	134	5670	1	17.36	18.00	1.159	96.33	1.038	0.02	1.810	2.177
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 8	Standalone	134	5670	1	17.36	18.00	1.159	96.33	1.038	-0.1	0.811	0.975
120	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 8	Standalone	110	5550	1	16.49	18.00	1.416	96.33	1.038	-0.18	1.890	2.778
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 8	Standalone	110	5550	2	16.49	18.00	1.416	96.33	1.038	0.03	1.620	2.381
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 8	Standalone	102	5510	1	17.05	18.00	1.245	96.33	1.038	0.03	1.850	2.390
	WLAN5.5GHz	802.11a 6Mbps	Front	3mm	Ant 8	Full	100	5500	1	19.23	21.00	1.505	98.28	1.018	-0.13	0.557	0.853
	WLAN5.5GHz	802.11a 6Mbps	Back	4mm	Ant 8	Full	100	5500	1	19.23	21.00	1.505	98.28	1.018	0.15	1.310	2.007
	WLAN5.5GHz	802.11a 6Mbps	Right Side	7mm	Ant 8	Full	100	5500	1	19.23	21.00	1.505	98.28	1.018	-0.03	1.040	1.593
	WLAN5.5GHz	802.11a 6Mbps	Top Side	7mm	Ant 8	Full	100	5500	1	19.23	21.00	1.505	98.28	1.018	-0.07	0.684	1.048
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 8	Simultaneous	106	5530	1	13.15	14.50	1.365	91.98	1.087	0.02	0.299	0.444
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8	Simultaneous	106	5530	1	13.15	14.50	1.365	91.98	1.087	-0.03	0.315	0.467
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8	Simultaneous	106	5530	1	13.15	14.50	1.365	91.98	1.087	-0.07	0.559	0.829
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 8	Simultaneous	106	5530	1	13.15	14.50	1.365	91.98	1.087	0.01	0.323	0.479
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8	Standalone	155	5775	1	17.36	19.00	1.459	91.98	1.087	-0.08	0.580	0.920
121	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8	Standalone	155	5775	1	17.36	19.00	1.459	91.98	1.087	-0.16	1.720	2.727
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 8	Standalone	155	5775	1	17.36	19.00	1.459	91.98	1.087	0.14	0.690	1.094
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	4mm	Ant 8	Full	159	5795	1	19.10	21.00	1.548	96.33	1.038	-0.02	1.070	1.719
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	7mm	Ant 8	Full	159	5795	1	19.10	21.00	1.548	96.33	1.038	-0.13	0.782	1.257
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	7mm	Ant 8	Full	159	5795	1	19.10	21.00	1.548	96.33	1.038	0	0.345	0.554
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8	Simultaneous	155	5775	1	13.48	15.00	1.419	91.98	1.087	0.02	0.231	0.356
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8	Simultaneous	155	5775	1	13.48	15.00	1.419	91.98	1.087	0.14	0.631	0.973
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 8	Simultaneous	155	5775	1	13.48	15.00	1.419	91.98	1.087	-0.05	0.275	0.424



16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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	LTE Band 12	10M	QPSK	1	25	-	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	23.35	24.00	1.161	-	-	-0.13	1.030	1	1.196
2nd	LTE Band 12	10M	QPSK	1	25	-	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	23.35	24.00	1.161	-	-	0.02	0.989	1.041	1.149
1st	LTE Band 66	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI 2	132322	1745	1	17.95	18.90	1.245	-	-	0.05	1.020	1	1.269
2nd	LTE Band 66	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI 2	132322	1745	1	17.95	18.90	1.245	-	-	0.03	0.995	1.025	1.238
1st	LTE Band 25	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI 2	26140	1860	1	18.33	19.00	1.167	-	-	-0.11	1.080	1	1.260
2nd	LTE Band 25	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI 2	26140	1860	1	18.33	19.00	1.167	-	-	0.05	1.040	1.038	1.213
1st	LTE Band 30	10M	QPSK	1	25	-	Right Tilted	0mm	Ant 1	DSI 2	27710	2310	1	19.08	19.60	1.127	-	-	0.18	1.070	1	1.206
2nd	LTE Band 30	10M	QPSK	1	25	-	Right Tilted	0mm	Ant 1	DSI 2	27710	2310	1	19.08	19.60	1.127	-	-	0.03	1.030	1.039	1.161
1st	LTE Band 7	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	18.48	19.20	1.180	-	-	0.15	1.070	1	1.263
2nd	LTE Band 7	20M	QPSK	1	49	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	18.48	19.20	1.180	-	-	0.03	1.030	1.039	1.216
1st	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	645332	3679.98	1	17.55	18.50	1.245	-	-	0.02	1.010	1	1.257
2nd	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	645332	3679.98	1	17.55	18.50	1.245	-	-	0.09	0.959	1.053	1.193
1st	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 2	636666	3549.99	1	16.18	17.00	1.208	-	-	-0.19	1.040	1	1.256
2nd	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DSI 2	636666	3549.99	1	16.18	17.00	1.208	-	-	0.03	0.999	1.041	1.207
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 3	Standalone	11	2462	1	16.83	18.50	1.469	98.65	1.014	-0.07	0.933	1	1.390
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 3	Standalone	11	2462	1	16.83	18.50	1.469	98.65	1.014	0.03	0.915	1.020	1.363
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI3	4132	826.4	1	23.05	24.00	1.245	-	-	-0.06	0.999	1	1.243
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI3	4132	826.4	1	23.05	24.00	1.245	-	-	0.03	0.985	1.014	1.226
1st	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	DSI3	656000	3840	1	15.70	16.50	1.202	-	-	0.04	0.922	1	1.108
2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	DSI3	656000	3840	1	15.70	16.50	1.202	-	-	0.03	0.896	1.029	1.077



<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	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)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 12	10M	QPSK	1	25	-	Back	0mm	Ant 0	DS16	23095	707.5	1	23.21	24.00	1.199	-	-	-0.06	2.000	1	2.399
2nd	LTE Band 12	10M	QPSK	1	25	-	Back	0mm	Ant 0	DS16	23095	707.5	1	23.21	24.00	1.199	-	-	-0.06	1.930	1.036	2.315
1st	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DS16	340500	1702.5	1	21.90	22.50	1.148	-	-	-0.08	2.650	1	3.043
2nd	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DS16	340500	1702.5	1	21.90	22.50	1.148	-	-	0.05	2.560	1.035	2.939
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DS16	9262	1852.4	1	21.20	21.70	1.122	-	-	-0.16	2.820	1	3.164
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DS16	9262	1852.4	1	21.20	21.70	1.122	-	-	-0.16	2.780	1.014	3.119
1st	LTE Band 30	10M	QPSK	1	25	-	Front	0mm	Ant 9	DS16	27710	2310	1	21.39	22.20	1.205	-	-	-0.05	2.510	1	3.025
2nd	LTE Band 30	10M	QPSK	1	25	-	Front	0mm	Ant 9	DS16	27710	2310	1	21.39	22.20	1.205	-	-	-0.05	2.450	1.024	2.952
1st	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 9	DS16	41490	2680	1	23.15	24.00	1.216	62.9	1.006	0.13	2.590	1	3.169
2nd	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 9	DS16	41490	2680	1	23.15	24.00	1.216	62.9	1.006	0.13	2.450	1.057	2.998
1st	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 10	DS16	56640	3690	1	22.54	23.50	1.247	62.9	1.006	0.04	2.490	1	3.125
2nd	LTE Band 48	20M	QPSK	1	49	-	Back	0mm	Ant 10	DS16	56640	3690	1	22.54	23.50	1.247	62.9	1.006	0.04	2.410	1.033	3.024
1st	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 4	DS16	656000	3840	1	19.58	20.50	1.236	-	-	-0.16	2.110	1	2.608
2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 4	DS16	656000	3840	1	19.58	20.50	1.236	-	-	-0.13	2.020	1.045	2.497
1st	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 4	DS16	656000	3840	1	19.58	20.50	1.236	-	-	-0.16	2.110	1	2.608
2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 4	DS16	656000	3840	1	19.58	20.50	1.236	-	-	-0.13	2.020	1.045	2.497
1st	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 4	DS16	633332	3499.98	1	19.55	20.50	1.245	-	-	0	2.500	1	3.111
2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 4	DS16	633332	3499.98	1	19.55	20.50	1.245	-	-	0.02	2.420	1.033	3.012

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
3. 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.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

16.6 TDD LTE Linearity Data Analysis

General Note:

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

LTE Band 41(HPUE)-Linearity Data for DS12-ANT1			LTE Band 41(HPUE)-Linearity Data for DS12-ANT2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.90	22.50	Maximum Tune up Power (dBm)	23.00	24.00
Reported 1g SAR (W/kg)	1.203	1.112	Reported 1g SAR (W/kg)	0.568	0.527
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	77.88	77.00	Frame Averaged (mW)	126.30	108.76
Linearity SAR (W/kg)	1.189		Linearity SAR (W/kg)	0.489	
% deviation from expected linearity		-6.51%	% deviation from expected linearity		7.74%

LTE Band 41(HPUE)-Linearity Data for DS12_Sim-ANT1		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.40	21.00
Reported 1g SAR (W/kg)	0.853	0.780
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	55.13	54.51
Linearity SAR (W/kg)	0.843	
% deviation from expected linearity		-7.52%

LTE Band 41(HPUE)-Linearity Data for DS17-ANT1			LTE Band 41(HPUE)-Linearity Data for DS17-ANT2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	15.90	17.50	Maximum Tune up Power (dBm)	15.10	16.70
Reported 1g SAR (W/kg)	0.558	0.546	Reported 1g SAR (W/kg)	0.508	0.537
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	24.63	24.35	Frame Averaged (mW)	20.48	20.25
Linearity SAR (W/kg)	0.552		Linearity SAR (W/kg)	0.502	
% deviation from expected linearity		-1.04%	% deviation from expected linearity		6.91%

LTE Band 41(HPUE)-Linearity Data for DS16-ANT1			LTE Band 41(HPUE)-Linearity Data for DS16-ANT2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50	Maximum Tune up Power (dBm)	23.00	24.00
Reported 10g SAR (W/kg)	2.370	2.172	Reported 10g SAR (W/kg)	1.143	1.042
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63	Frame Averaged (mW)	126.30	108.76
Linearity SAR (W/kg)	2.290		Linearity SAR (W/kg)	0.984	
% deviation from expected linearity		-5.15%	% deviation from expected linearity		5.86%

LTE Band 41(HPUE)-Linearity Data for DS13-ANT1			LTE Band 41(HPUE)-Linearity Data for DS13-ANT2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.40	25.00	Maximum Tune up Power (dBm)	20.10	21.70
Reported 1g SAR (W/kg)	1.102	1.192	Reported 1g SAR (W/kg)	1.148	1.226
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	138.49	136.93	Frame Averaged (mW)	64.77	64.05
Linearity SAR (W/kg)	1.090		Linearity SAR (W/kg)	1.135	
% deviation from expected linearity		9.40%	% deviation from expected linearity		8.01%

LTE Band 41(HPUE)-Linearity Data for DS13_Sim-ANT1			LTE Band 41(HPUE)-Linearity Data for DS13_Sim-ANT2		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.90	23.50	Maximum Tune up Power (dBm)	18.60	20.20
Reported 1g SAR (W/kg)	0.814	0.802	Reported 1g SAR (W/kg)	0.772	0.761



Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	98.04	96.94	Frame Averaged (mW)	45.86	45.34
Linearity SAR (W/kg)	0.805		Linearity SAR (W/kg)	0.763	
% deviation from expected linearity		-0.35%	% deviation from expected linearity		-0.30%

LTE Band 41(HPUE)-Linearity Data for DSI2-ANT5			LTE Band 41(HPUE)-Linearity Data for DSI2-ANT9		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50	Maximum Tune up Power (dBm)	24.00	26.00
Reported 1g SAR (W/kg)	0.641	0.592	Reported 1g SAR (W/kg)	0.456	0.456
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63	Frame Averaged (mW)	159.00	172.38
Linearity SAR (W/kg)	0.619		Linearity SAR (W/kg)	0.494	
% deviation from expected linearity		-4.42%	% deviation from expected linearity		-7.76%

LTE Band 41(HPUE)-Linearity Data for DSI7-ANT5			LTE Band 41(HPUE)-Linearity Data for DSI7-ANT9		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	16.80	18.40	Maximum Tune up Power (dBm)	19.30	20.90
Reported 1g SAR (W/kg)	0.605	0.608	Reported 1g SAR (W/kg)	1.024	0.945
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	30.30	29.96	Frame Averaged (mW)	53.88	53.27
Linearity SAR (W/kg)	0.598		Linearity SAR (W/kg)	1.012	
% deviation from expected linearity		1.64%	% deviation from expected linearity		-6.66%

LTE Band 41(HPUE)-Linearity Data for DSI6-ANT5			LTE Band 41(HPUE)-Linearity Data for DSI6-ANT9		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50	Maximum Tune up Power (dBm)	24.00	26.00
Reported 10g SAR (W/kg)	1.006	1.016	Reported 10g SAR (W/kg)	3.169	3.110
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63	Frame Averaged (mW)	159.00	172.38
Linearity SAR (W/kg)	0.972		Linearity SAR (W/kg)	3.436	
% deviation from expected linearity		4.52%	% deviation from expected linearity		-9.48%

LTE Band 41(HPUE)-Linearity Data for DSI3-ANT5			LTE Band 41(HPUE)-Linearity Data for DSI3-ANT9		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.80	21.40	Maximum Tune up Power (dBm)	21.80	23.40
Reported 1g SAR (W/kg)	1.021	1.041	Reported 1g SAR (W/kg)	1.138	1.055
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	60.45	59.77	Frame Averaged (mW)	95.81	94.73
Linearity SAR (W/kg)	1.010		Linearity SAR (W/kg)	1.125	
% deviation from expected linearity		3.12%	% deviation from expected linearity		-6.24%

LTE Band 41(HPUE)-Linearity Data for DSI3_Sim-ANT5		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	18.30	19.90
Reported 1g SAR (W/kg)	0.777	0.788
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	42.80	42.31
Linearity SAR (W/kg)	0.768	
% deviation from expected linearity		2.57%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + 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 and LTE (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.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz WLAN supports WLAN Direct (GC only).
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can't transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for head each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each 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.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - 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 17.6.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- i. A and C are decoupled based on the SPLSR criteria, and
- ii. $(100-x)\% * B + C \leq 1.0$, and
- iii. $x\% * A + (100-x)\% * B \leq 1.0$

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

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



17.2 Head Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 3	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)
WCDMA	WCDMA V Ant 1	Right Cheek	0.869	0.299	0.148	0.163	1.17	1.18
		Right Tilted	0.816	0.321	0.374	0.170	1.14	1.36
		Left Cheek	0.687	0.682	0.105	0.269	1.37	1.06
		Left Tilted	0.659	0.507	0.154	0.249	1.17	1.06
	WCDMA IV Ant 1	Right Cheek	0.575	0.299	0.148	0.163	0.87	0.89
		Right Tilted	0.842	0.321	0.374	0.170	1.16	1.39
		Left Cheek	0.407	0.682	0.105	0.269	1.09	0.78
		Left Tilted	0.509	0.507	0.154	0.249	1.02	0.91
	WCDMA II Ant 1	Right Cheek	0.595	0.299	0.148	0.163	0.89	0.91
		Right Tilted	0.881	0.321	0.374	0.170	1.20	1.43
		Left Cheek	0.404	0.682	0.105	0.269	1.09	0.78
		Left Tilted	0.492	0.507	0.154	0.249	1.00	0.90
LTE	LTE Band 71 Ant 1	Right Cheek	0.500	0.299	0.148	0.163	0.80	0.81
		Right Tilted	0.473	0.321	0.374	0.170	0.79	1.02
		Left Cheek	0.331	0.682	0.105	0.269	1.01	0.71
		Left Tilted	0.321	0.507	0.154	0.249	0.83	0.72
	LTE Band 12 Ant 1	Right Cheek	0.874	0.299	0.148	0.163	1.17	1.19
		Right Tilted	0.790	0.321	0.374	0.170	1.11	1.33
		Left Cheek	0.551	0.682	0.105	0.269	1.23	0.93
		Left Tilted	0.537	0.507	0.154	0.249	1.04	0.94
	LTE Band 13 Ant 1	Right Cheek	0.882	0.299	0.148	0.163	1.18	1.19
		Right Tilted	0.792	0.321	0.374	0.170	1.11	1.34
		Left Cheek	0.767	0.682	0.105	0.269	1.45	1.14
		Left Tilted	0.598	0.507	0.154	0.249	1.11	1.00
	LTE Band 14 Ant 1	Right Cheek	0.825	0.299	0.148	0.163	1.12	1.14
		Right Tilted	0.689	0.321	0.374	0.170	1.01	1.23
		Left Cheek	0.547	0.682	0.105	0.269	1.23	0.92
		Left Tilted	0.510	0.507	0.154	0.249	1.02	0.91
	LTE Band 26 Ant 1	Right Cheek	0.841	0.299	0.148	0.163	1.14	1.15
		Right Tilted	0.733	0.321	0.374	0.170	1.05	1.28
		Left Cheek	0.614	0.682	0.105	0.269	1.30	0.99
		Left Tilted	0.560	0.507	0.154	0.249	1.07	0.96
	LTE Band 66 Ant 1	Right Cheek	0.743	0.299	0.148	0.163	1.04	1.05
		Right Tilted	0.882	0.321	0.374	0.170	1.20	1.43
		Left Cheek	0.557	0.682	0.105	0.269	1.24	0.93
		Left Tilted	0.670	0.507	0.154	0.249	1.18	1.07
	LTE Band 25 Ant 1	Right Cheek	0.637	0.299	0.148	0.163	0.94	0.95
		Right Tilted	0.875	0.321	0.374	0.170	1.20	1.42
		Left Cheek	0.422	0.682	0.105	0.269	1.10	0.80
		Left Tilted	0.537	0.507	0.154	0.249	1.04	0.94
	LTE Band 30 Ant 1	Right Cheek	0.500	0.299	0.148	0.163	0.80	0.81
		Right Tilted	0.837	0.321	0.374	0.170	1.16	1.38
		Left Cheek	0.337	0.682	0.105	0.269	1.02	0.71
		Left Tilted	0.443	0.507	0.154	0.249	0.95	0.85
	LTE Band 7 Ant 1	Right Cheek	0.673	0.299	0.148	0.163	0.97	0.98
		Right Tilted	0.887	0.321	0.374	0.170	1.21	1.43
		Left Cheek	0.342	0.682	0.105	0.269	1.02	0.72
		Left Tilted	0.420	0.507	0.154	0.249	0.93	0.82
LTE Band 41 Ant 1	Right Cheek	0.716	0.299	0.148	0.163	1.02	1.03	
	Right Tilted	0.853	0.321	0.374	0.170	1.17	1.40	



FR1	LTE Band 41 Ant 2	Left Cheek	0.383	0.682	0.105	0.269	1.07	0.76
		Left Tilted	0.419	0.507	0.154	0.249	0.93	0.82
	LTE Band 41 Ant 2	Right Cheek	0.333	0.299	0.148	0.163	0.63	0.64
		Right Tilted	0.063	0.321	0.374	0.170	0.38	0.61
	LTE Band 41 Ant 5	Left Cheek	0.568	0.682	0.105	0.269	1.25	0.94
		Left Tilted	0.148	0.507	0.154	0.249	0.66	0.55
		Right Cheek	0.641	0.299	0.148	0.163	0.94	0.95
		Right Tilted	0.494	0.321	0.374	0.170	0.82	1.04
	LTE Band 48 Ant 4	Left Cheek	0.414	0.682	0.105	0.269	1.10	0.79
		Left Tilted	0.386	0.507	0.154	0.249	0.89	0.79
		Right Cheek	0.818	0.299	0.148	0.163	1.12	1.13
		Right Tilted	0.324	0.321	0.374	0.170	0.65	0.87
	LTE Band 48 Ant 7	Left Cheek	0.157	0.682	0.105	0.269	0.84	0.53
		Left Tilted	0.122	0.507	0.154	0.249	0.63	0.53
		Right Cheek	0.325	0.299	0.148	0.163	0.62	0.64
		Right Tilted	0.479	0.321	0.374	0.170	0.80	1.02
	LTE Band 48 Ant 8	Left Cheek	0.469	0.682	0.105	0.269	1.15	0.84
		Left Tilted	0.771	0.507	0.154	0.249	1.28	1.17
		Right Cheek	0.202	0.299	0.148	0.163	0.50	0.51
		Right Tilted	0.177	0.321	0.374	0.170	0.50	0.72
	LTE Band 48 Ant 10	Left Cheek	0.837	0.682	0.105	0.269	1.52	1.21
		Left Tilted	0.545	0.507	0.154	0.249	1.05	0.95
		Right Cheek	0.020	0.299	0.148	0.163	0.32	0.33
		Right Tilted	0.011	0.321	0.374	0.170	0.33	0.56
	FR1 n71 Ant 1	Left Cheek	0.034	0.682	0.105	0.269	0.72	0.41
		Left Tilted	0.021	0.507	0.154	0.249	0.53	0.42
		Right Cheek	0.678	0.299	0.148	0.163	0.98	0.99
		Right Tilted	0.665	0.321	0.374	0.170	0.99	1.21
	FR1 n12 Ant 1	Left Cheek	0.566	0.682	0.105	0.269	1.25	0.94
		Left Tilted	0.544	0.507	0.154	0.249	1.05	0.95
		Right Cheek	0.871	0.299	0.148	0.163	1.17	1.18
		Right Tilted	0.812	0.321	0.374	0.170	1.13	1.36
	FR1 n14 Ant 1	Left Cheek	0.619	0.682	0.105	0.269	1.30	0.99
		Left Tilted	0.615	0.507	0.154	0.249	1.12	1.02
		Right Cheek	0.813	0.299	0.148	0.163	1.11	1.12
		Right Tilted	0.689	0.321	0.374	0.170	1.01	1.23
	FR1 n26 Ant 1	Left Cheek	0.542	0.682	0.105	0.269	1.22	0.92
		Left Tilted	0.512	0.507	0.154	0.249	1.02	0.92
		Right Cheek	0.830	0.299	0.148	0.163	1.13	1.14
		Right Tilted	0.802	0.321	0.374	0.170	1.12	1.35
FR1 n70 Ant 1	Left Cheek	0.671	0.682	0.105	0.269	1.35	1.05	
	Left Tilted	0.645	0.507	0.154	0.249	1.15	1.05	
	Right Cheek	0.600	0.299	0.148	0.163	0.90	0.91	
	Right Tilted	0.779	0.321	0.374	0.170	1.10	1.32	
FR1 n66 Ant 1	Left Cheek	0.453	0.682	0.105	0.269	1.14	0.83	
	Left Tilted	0.564	0.507	0.154	0.249	1.07	0.97	
	Right Cheek	0.572	0.299	0.148	0.163	0.87	0.88	
	Right Tilted	0.788	0.321	0.374	0.170	1.11	1.33	
FR1 n25 Ant 1	Left Cheek	0.435	0.682	0.105	0.269	1.12	0.81	
	Left Tilted	0.533	0.507	0.154	0.249	1.04	0.94	
	Right Cheek	0.549	0.299	0.148	0.163	0.85	0.86	
	Right Tilted	0.900	0.321	0.374	0.170	1.22	1.44	
FR1 n30 Ant 1	Left Cheek	0.408	0.682	0.105	0.269	1.09	0.78	
	Left Tilted	0.489	0.507	0.154	0.249	1.00	0.89	
FR1 n30 Ant 1	Right Cheek	0.500	0.299	0.148	0.163	0.80	0.81	
	Right Tilted	0.864	0.321	0.374	0.170	1.19	1.41	



		Left Cheek	0.305	0.682	0.105	0.269	0.99	0.68
		Left Tilted	0.417	0.507	0.154	0.249	0.92	0.82
FR1 n7 Ant 1		Right Cheek	0.558	0.299	0.148	0.163	0.86	0.87
		Right Tilted	0.828	0.321	0.374	0.170	1.15	1.37
		Left Cheek	0.196	0.682	0.105	0.269	0.88	0.57
		Left Tilted	0.309	0.507	0.154	0.249	0.82	0.71
		Right Cheek	0.635	0.299	0.148	0.163	0.93	0.95
FR1 n41 Ant 1		Right Tilted	0.852	0.321	0.374	0.170	1.17	1.40
		Left Cheek	0.324	0.682	0.105	0.269	1.01	0.70
		Left Tilted	0.364	0.507	0.154	0.249	0.87	0.77
		Right Cheek	0.640	0.299	0.148	0.163	0.94	0.95
FR1 n41 Ant 2		Right Tilted	0.148	0.321	0.374	0.170	0.47	0.69
		Left Cheek	0.834	0.682	0.105	0.269	1.52	1.21
		Left Tilted	0.320	0.507	0.154	0.249	0.83	0.72
		Right Cheek	0.634	0.299	0.148	0.163	0.93	0.95
FR1 n41 Ant 5		Right Tilted	0.687	0.321	0.374	0.170	1.01	1.23
		Left Cheek	0.833	0.682	0.105	0.269	1.52	1.21
		Left Tilted	0.776	0.507	0.154	0.249	1.28	1.18
		Right Cheek	0.775	0.299	0.148	0.163	1.07	1.09
FR1 n41 Ant 6		Right Tilted	0.363	0.321	0.374	0.170	0.68	0.91
		Left Cheek	0.232	0.682	0.105	0.269	0.91	0.61
		Left Tilted	0.155	0.507	0.154	0.249	0.66	0.56
		Right Cheek	0.799	0.299	0.148	0.163	1.10	1.11
FR1 n48 Ant 4		Right Tilted	0.274	0.321	0.374	0.170	0.60	0.82
		Left Cheek	0.138	0.682	0.105	0.269	0.82	0.51
		Left Tilted	0.106	0.507	0.154	0.249	0.61	0.51
		Right Cheek	0.360	0.299	0.148	0.163	0.66	0.67
FR1 n48 Ant 7		Right Tilted	0.577	0.321	0.374	0.170	0.90	1.12
		Left Cheek	0.500	0.682	0.105	0.269	1.18	0.87
		Left Tilted	0.817	0.507	0.154	0.249	1.32	1.22
		Right Cheek	0.234	0.299	0.148	0.163	0.53	0.55
FR1 n48 Ant 8		Right Tilted	0.158	0.321	0.374	0.170	0.48	0.70
		Left Cheek	0.848	0.682	0.105	0.269	1.53	1.22
		Left Tilted	0.473	0.507	0.154	0.249	0.98	0.88
		Right Cheek	0.016	0.299	0.148	0.163	0.32	0.33
FR1 n48 Ant 10		Right Tilted	0.010	0.321	0.374	0.170	0.33	0.55
		Left Cheek	0.028	0.682	0.105	0.269	0.71	0.40
		Left Tilted	0.015	0.507	0.154	0.249	0.52	0.42
		Right Cheek	0.727	0.299	0.148	0.163	1.03	1.04
FR1 n77 Ant 4		Right Tilted	0.266	0.321	0.374	0.170	0.59	0.81
		Left Cheek	0.150	0.682	0.105	0.269	0.83	0.52
		Left Tilted	0.098	0.507	0.154	0.249	0.61	0.50
		Right Cheek	0.408	0.299	0.148	0.163	0.71	0.72
FR1 n77 Ant 7		Right Tilted	0.552	0.321	0.374	0.170	0.87	1.10
		Left Cheek	0.514	0.682	0.105	0.269	1.20	0.89
		Left Tilted	0.879	0.507	0.154	0.249	1.39	1.28
		Right Cheek	0.272	0.299	0.148	0.163	0.57	0.58
FR1 n77 Ant 8		Right Tilted	0.247	0.321	0.374	0.170	0.57	0.79
		Left Cheek	0.855	0.682	0.105	0.269	1.54	1.23
		Left Tilted	0.626	0.507	0.154	0.249	1.13	1.03
		Right Cheek	0.028	0.299	0.148	0.163	0.33	0.34
FR1 n77 Ant 10		Right Tilted	0.015	0.321	0.374	0.170	0.34	0.56
		Left Cheek	0.039	0.682	0.105	0.269	0.72	0.41
		Left Tilted	0.023	0.507	0.154	0.249	0.53	0.43



WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 3	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)
GSM	GSM850 Ant 0	Right Cheek	0.205	0.299	0.148	0.163	0.50	0.52
		Right Tilted	0.054	0.321	0.374	0.170	0.38	0.60
		Left Cheek	0.079	0.682	0.105	0.269	0.76	0.45
		Left Tilted	0.046	0.507	0.154	0.249	0.55	0.45
	GSM1900 Ant 0	Right Cheek	0.045	0.299	0.148	0.163	0.34	0.36
		Right Tilted	0.030	0.321	0.374	0.170	0.35	0.57
		Left Cheek	0.064	0.682	0.105	0.269	0.75	0.44
		Left Tilted	0.025	0.507	0.154	0.249	0.53	0.43
WCDMA	WCDMA V Ant 0	Right Cheek	0.351	0.299	0.148	0.163	0.65	0.66
		Right Tilted	0.162	0.321	0.374	0.170	0.48	0.71
		Left Cheek	0.248	0.682	0.105	0.269	0.93	0.62
		Left Tilted	0.151	0.507	0.154	0.249	0.66	0.55
	WCDMA IV Ant 0	Right Cheek	0.152	0.299	0.148	0.163	0.45	0.46
		Right Tilted	0.140	0.321	0.374	0.170	0.46	0.68
		Left Cheek	0.203	0.682	0.105	0.269	0.89	0.58
		Left Tilted	0.102	0.507	0.154	0.249	0.61	0.51
	WCDMA II Ant 0	Right Cheek	0.123	0.299	0.148	0.163	0.42	0.43
		Right Tilted	0.121	0.321	0.374	0.170	0.44	0.67
		Left Cheek	0.138	0.682	0.105	0.269	0.82	0.51
		Left Tilted	0.073	0.507	0.154	0.249	0.58	0.48
LTE	LTE Band 71 Ant 0	Right Cheek	0.118	0.299	0.148	0.163	0.42	0.43
		Right Tilted	0.055	0.321	0.374	0.170	0.38	0.60
		Left Cheek	0.112	0.682	0.105	0.269	0.79	0.49
		Left Tilted	0.062	0.507	0.154	0.249	0.57	0.47
	LTE Band 12 Ant 0	Right Cheek	0.178	0.299	0.148	0.163	0.48	0.49
		Right Tilted	0.091	0.321	0.374	0.170	0.41	0.64
		Left Cheek	0.169	0.682	0.105	0.269	0.85	0.54
		Left Tilted	0.098	0.507	0.154	0.249	0.61	0.50
	LTE Band 13 Ant 0	Right Cheek	0.279	0.299	0.148	0.163	0.58	0.59
		Right Tilted	0.136	0.321	0.374	0.170	0.46	0.68
		Left Cheek	0.220	0.682	0.105	0.269	0.90	0.59
		Left Tilted	0.145	0.507	0.154	0.249	0.65	0.55
	LTE Band 14 Ant 0	Right Cheek	0.307	0.299	0.148	0.163	0.61	0.62
		Right Tilted	0.156	0.321	0.374	0.170	0.48	0.70
		Left Cheek	0.246	0.682	0.105	0.269	0.93	0.62
		Left Tilted	0.157	0.507	0.154	0.249	0.66	0.56
	LTE Band 26 Ant 0	Right Cheek	0.379	0.299	0.148	0.163	0.68	0.69
		Right Tilted	0.170	0.321	0.374	0.170	0.49	0.71
		Left Cheek	0.268	0.682	0.105	0.269	0.95	0.64
		Left Tilted	0.166	0.507	0.154	0.249	0.67	0.57
	LTE Band 66 Ant 0	Right Cheek	0.129	0.299	0.148	0.163	0.43	0.44
		Right Tilted	0.090	0.321	0.374	0.170	0.41	0.63
		Left Cheek	0.153	0.682	0.105	0.269	0.84	0.53
		Left Tilted	0.086	0.507	0.154	0.249	0.59	0.49
	LTE Band 25 Ant 0	Right Cheek	0.105	0.299	0.148	0.163	0.40	0.42
		Right Tilted	0.096	0.321	0.374	0.170	0.42	0.64
		Left Cheek	0.127	0.682	0.105	0.269	0.81	0.50
		Left Tilted	0.084	0.507	0.154	0.249	0.59	0.49
	LTE Band 30 Ant 9	Right Cheek	0.305	0.299	0.148	0.163	0.60	0.62
		Right Tilted	0.217	0.321	0.374	0.170	0.54	0.76
		Left Cheek	0.398	0.682	0.105	0.269	1.08	0.77
		Left Tilted	0.133	0.507	0.154	0.249	0.64	0.54



FR1	LTE Band 7 Ant 9	Right Cheek	0.409	0.299	0.148	0.163	0.71	0.72
		Right Tilted	0.397	0.321	0.374	0.170	0.72	0.94
		Left Cheek	0.599	0.682	0.105	0.269	1.28	0.97
		Left Tilted	0.175	0.507	0.154	0.249	0.68	0.58
	LTE Band 41 Ant 9	Right Cheek	0.300	0.299	0.148	0.163	0.60	0.61
		Right Tilted	0.276	0.321	0.374	0.170	0.60	0.82
		Left Cheek	0.456	0.682	0.105	0.269	1.14	0.83
		Left Tilted	0.136	0.507	0.154	0.249	0.64	0.54
FR1	FR1 n71 Ant 0	Right Cheek	0.166	0.299	0.148	0.163	0.47	0.48
		Right Tilted	0.097	0.321	0.374	0.170	0.42	0.64
		Left Cheek	0.159	0.682	0.105	0.269	0.84	0.53
		Left Tilted	0.097	0.507	0.154	0.249	0.60	0.50
	FR1 n12 Ant 0	Right Cheek	0.153	0.299	0.148	0.163	0.45	0.46
		Right Tilted	0.085	0.321	0.374	0.170	0.41	0.63
		Left Cheek	0.140	0.682	0.105	0.269	0.82	0.51
		Left Tilted	0.092	0.507	0.154	0.249	0.60	0.50
	FR1 n14 Ant 0	Right Cheek	0.259	0.299	0.148	0.163	0.56	0.57
		Right Tilted	0.150	0.321	0.374	0.170	0.47	0.69
		Left Cheek	0.206	0.682	0.105	0.269	0.89	0.58
		Left Tilted	0.156	0.507	0.154	0.249	0.66	0.56
FR1 n26 Ant 0	Right Cheek	0.237	0.299	0.148	0.163	0.54	0.55	
	Right Tilted	0.132	0.321	0.374	0.170	0.45	0.68	
	Left Cheek	0.169	0.682	0.105	0.269	0.85	0.54	
	Left Tilted	0.113	0.507	0.154	0.249	0.62	0.52	
FR1 n70 Ant 0	Right Cheek	0.126	0.299	0.148	0.163	0.43	0.44	
	Right Tilted	0.084	0.321	0.374	0.170	0.41	0.63	
	Left Cheek	0.133	0.682	0.105	0.269	0.82	0.51	
	Left Tilted	0.076	0.507	0.154	0.249	0.58	0.48	
FR1 n66 Ant 0	Right Cheek	0.127	0.299	0.148	0.163	0.43	0.44	
	Right Tilted	0.085	0.321	0.374	0.170	0.41	0.63	
	Left Cheek	0.137	0.682	0.105	0.269	0.82	0.51	
	Left Tilted	0.076	0.507	0.154	0.249	0.58	0.48	
FR1 n25 Ant 0	Right Cheek	0.094	0.299	0.148	0.163	0.39	0.41	
	Right Tilted	0.070	0.321	0.374	0.170	0.39	0.61	
	Left Cheek	0.108	0.682	0.105	0.269	0.79	0.48	
	Left Tilted	0.062	0.507	0.154	0.249	0.57	0.47	
FR1 n30 Ant 9	Right Cheek	0.215	0.299	0.148	0.163	0.51	0.53	
	Right Tilted	0.162	0.321	0.374	0.170	0.48	0.71	
	Left Cheek	0.312	0.682	0.105	0.269	0.99	0.69	
	Left Tilted	0.092	0.507	0.154	0.249	0.60	0.50	
FR1 n7 Ant 9	Right Cheek	0.300	0.299	0.148	0.163	0.60	0.61	
	Right Tilted	0.263	0.321	0.374	0.170	0.58	0.81	
	Left Cheek	0.428	0.682	0.105	0.269	1.11	0.80	
	Left Tilted	0.138	0.507	0.154	0.249	0.65	0.54	
FR1 n41 Ant 9	Right Cheek	0.476	0.299	0.148	0.163	0.78	0.79	
	Right Tilted	0.457	0.321	0.374	0.170	0.78	1.00	
	Left Cheek	0.753	0.682	0.105	0.269	1.44	1.13	
	Left Tilted	0.259	0.507	0.154	0.249	0.77	0.66	



17.3 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4
			WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN5GHz Ant 8 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
WCDMA	WCDMA V Ant 1	Front	0.396	0.348	0.163	0.177	0.74	0.74
		Back	0.574	0.504	0.337	0.199	1.08	1.11
		Left side	0.128				0.13	0.13
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.420	0.888	0.426	0.259	1.31	1.11
		Bottom side					0.00	0.00
	WCDMA IV Ant 1	Front	0.306	0.348	0.163	0.177	0.65	0.65
		Back	0.469	0.504	0.337	0.199	0.97	1.01
		Left side	0.074				0.07	0.07
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.526	0.888	0.426	0.259	1.41	1.21
		Bottom side					0.00	0.00
	WCDMA II Ant 1	Front	0.352	0.348	0.163	0.177	0.70	0.69
		Back	0.560	0.504	0.337	0.199	1.06	1.10
		Left side	0.066				0.07	0.07
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.596	0.888	0.426	0.259	1.48	1.28
		Bottom side					0.00	0.00
LTE	LTE Band 71 Ant 1	Front	0.256	0.348	0.163	0.177	0.60	0.60
		Back	0.447	0.504	0.337	0.199	0.95	0.98
		Left side	0.274				0.27	0.27
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.235	0.888	0.426	0.259	1.12	0.92
		Bottom side					0.00	0.00
	LTE Band 12 Ant 1	Front	0.282	0.348	0.163	0.177	0.63	0.62
		Back	0.579	0.504	0.337	0.199	1.08	1.12
		Left side	0.213				0.21	0.21
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.503	0.888	0.426	0.259	1.39	1.19
		Bottom side					0.00	0.00
	LTE Band 13 Ant 1	Front	0.351	0.348	0.163	0.177	0.70	0.69
		Back	0.541	0.504	0.337	0.199	1.05	1.08
		Left side	0.153				0.15	0.15
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.361	0.888	0.426	0.259	1.25	1.05
		Bottom side					0.00	0.00
	LTE Band 14 Ant 1	Front	0.361	0.348	0.163	0.177	0.71	0.70
		Back	0.613	0.504	0.337	0.199	1.12	1.15
		Left side	0.157				0.16	0.16
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.485	0.888	0.426	0.259	1.37	1.17
		Bottom side					0.00	0.00
LTE Band 26 Ant 1	Front	0.419	0.348	0.163	0.177	0.77	0.76	
	Back	0.572	0.504	0.337	0.199	1.08	1.11	
	Left side	0.120				0.12	0.12	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.502	0.888	0.426	0.259	1.39	1.19	
	Bottom side					0.00	0.00	
LTE Band 66 Ant 1	Front	0.375	0.348	0.163	0.177	0.72	0.72	
	Back	0.500	0.504	0.337	0.199	1.00	1.04	



		Left side	0.081				0.08	0.08
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.563	0.888	0.426	0.259	1.45	1.25
		Bottom side					0.00	0.00
	LTE Band 25 Ant 1	Front	0.382	0.348	0.163	0.177	0.73	0.72
		Back	0.439	0.504	0.337	0.199	0.94	0.98
		Left side	0.182				0.18	0.18
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.559	0.888	0.426	0.259	1.45	1.24
		Bottom side					0.00	0.00
	LTE Band 30 Ant 1	Front	0.126	0.348	0.163	0.177	0.47	0.47
		Back	0.289	0.504	0.337	0.199	0.79	0.83
		Left side	0.086				0.09	0.09
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.585	0.888	0.426	0.259	1.47	1.27
		Bottom side					0.00	0.00
	LTE Band 7 Ant 1	Front	0.155	0.348	0.163	0.177	0.50	0.50
		Back	0.276	0.504	0.337	0.199	0.78	0.81
		Left side	0.133				0.13	0.13
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.542	0.888	0.426	0.259	1.43	1.23
		Bottom side					0.00	0.00
	LTE Band 41 Ant 1	Front	0.124	0.348	0.163	0.177	0.47	0.46
		Back	0.246	0.504	0.337	0.199	0.75	0.78
		Left side	0.082				0.08	0.08
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.558	0.888	0.426	0.259	1.45	1.24
		Bottom side					0.00	0.00
LTE Band 41 Ant 2	Front	0.115	0.348	0.163	0.177	0.46	0.46	
	Back	0.537	0.504	0.337	0.199	1.04	1.07	
	Left side					0.00	0.00	
	Right side	0.347	0.085	0.580	0.082	0.43	1.01	
	Top side	0.045	0.888	0.426	0.259	0.93	0.73	
	Bottom side					0.00	0.00	
LTE Band 41 Ant 5	Front	0.109	0.348	0.163	0.177	0.46	0.45	
	Back	0.608	0.504	0.337	0.199	1.11	1.14	
	Left side					0.00	0.00	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.160	0.888	0.426	0.259	1.05	0.85	
	Bottom side					0.00	0.00	
LTE Band 48 Ant 4	Front	0.148	0.348	0.163	0.177	0.50	0.49	
	Back	0.553	0.504	0.337	0.199	1.06	1.09	
	Left side	0.542				0.54	0.54	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.051	0.888	0.426	0.259	0.94	0.74	
	Bottom side					0.00	0.00	
LTE Band 48 Ant 7	Front	0.156	0.348	0.163	0.177	0.50	0.50	
	Back	0.440	0.504	0.337	0.199	0.94	0.98	
	Left side					0.00	0.00	
	Right side	0.097	0.085	0.580	0.082	0.18	0.76	
	Top side	0.546	0.888	0.426	0.259	1.43	1.23	
	Bottom side					0.00	0.00	
LTE Band 48 Ant 8	Front	0.323	0.348	0.163	0.177	0.67	0.66	
	Back	0.612	0.504	0.337	0.199	1.12	1.15	
	Left side					0.00	0.00	
	Right side	0.401	0.085	0.580	0.082	0.49	1.06	



FR1	LTE Band 48 Ant 10	Top side	0.197	0.888	0.426	0.259	1.09	0.88
		Bottom side					0.00	0.00
	FR1 n71 Ant 1	Front	0.042	0.348	0.163	0.177	0.39	0.38
		Back	0.559	0.504	0.337	0.199	1.06	1.10
		Left side	0.026				0.03	0.03
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.019	0.888	0.426	0.259	0.91	0.70
		Bottom side					0.00	0.00
	FR1 n12 Ant 1	Front	0.330	0.348	0.163	0.177	0.68	0.67
		Back	0.617	0.504	0.337	0.199	1.12	1.15
		Left side	0.287				0.29	0.29
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.437	0.888	0.426	0.259	1.33	1.12
		Bottom side					0.00	0.00
FR1 n14 Ant 1	Front	0.246	0.348	0.163	0.177	0.59	0.59	
	Back	0.550	0.504	0.337	0.199	1.05	1.09	
	Left side	0.176				0.18	0.18	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.502	0.888	0.426	0.259	1.39	1.19	
	Bottom side					0.00	0.00	
FR1 n26 Ant 1	Front	0.317	0.348	0.163	0.177	0.67	0.66	
	Back	0.585	0.504	0.337	0.199	1.09	1.12	
	Left side	0.131				0.13	0.13	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.484	0.888	0.426	0.259	1.37	1.17	
	Bottom side					0.00	0.00	
FR1 n70 Ant 1	Front	0.378	0.348	0.163	0.177	0.73	0.72	
	Back	0.576	0.504	0.337	0.199	1.08	1.11	
	Left side	0.138				0.14	0.14	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.559	0.888	0.426	0.259	1.45	1.24	
	Bottom side					0.00	0.00	
FR1 n66 Ant 1	Front	0.350	0.348	0.163	0.177	0.70	0.69	
	Back	0.543	0.504	0.337	0.199	1.05	1.08	
	Left side	0.065				0.07	0.07	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.609	0.888	0.426	0.259	1.50	1.29	
	Bottom side					0.00	0.00	
FR1 n25 Ant 1	Front	0.347	0.348	0.163	0.177	0.70	0.69	
	Back	0.515	0.504	0.337	0.199	1.02	1.05	
	Left side	0.066				0.07	0.07	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.595	0.888	0.426	0.259	1.48	1.28	
	Bottom side					0.00	0.00	
FR1 n30 Ant 1	Front	0.279	0.348	0.163	0.177	0.63	0.62	
	Back	0.468	0.504	0.337	0.199	0.97	1.00	
	Left side	0.063				0.06	0.06	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.547	0.888	0.426	0.259	1.44	1.23	
	Bottom side					0.00	0.00	



	FR1 n7 Ant 1	Front	0.160	0.348	0.163	0.177	0.51	0.50
		Back	0.298	0.504	0.337	0.199	0.80	0.83
		Left side	0.143				0.14	0.14
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.587	0.888	0.426	0.259	1.48	1.27
		Bottom side					0.00	0.00
	FR1 n41 Ant 1	Front	0.135	0.348	0.163	0.177	0.48	0.48
		Back	0.256	0.504	0.337	0.199	0.76	0.79
		Left side	0.139				0.14	0.14
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.569	0.888	0.426	0.259	1.46	1.25
		Bottom side					0.00	0.00
	FR1 n41 Ant 2	Front	0.204	0.348	0.163	0.177	0.55	0.54
		Back	0.634	0.504	0.337	0.199	1.14	1.17
		Left side					0.00	0.00
		Right side	0.602	0.085	0.580	0.082	0.69	1.26
		Top side	0.077	0.888	0.426	0.259	0.97	0.76
		Bottom side					0.00	0.00
	FR1 n41 Ant 5	Front	0.092	0.348	0.163	0.177	0.44	0.43
		Back	0.580	0.504	0.337	0.199	1.08	1.12
		Left side					0.00	0.00
Right side			0.085	0.580	0.082	0.09	0.66	
Top side		0.178	0.888	0.426	0.259	1.07	0.86	
Bottom side						0.00	0.00	
FR1 n41 Ant 6	Front	0.160	0.348	0.163	0.177	0.51	0.50	
	Back	0.379	0.504	0.337	0.199	0.88	0.92	
	Left side	0.305				0.31	0.31	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.079	0.888	0.426	0.259	0.97	0.76	
	Bottom side					0.00	0.00	
FR1 n48 Ant 4	Front	0.140	0.348	0.163	0.177	0.49	0.48	
	Back	0.555	0.504	0.337	0.199	1.06	1.09	
	Left side	0.471				0.47	0.47	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.085	0.888	0.426	0.259	0.97	0.77	
	Bottom side					0.00	0.00	
FR1 n48 Ant 7	Front	0.201	0.348	0.163	0.177	0.55	0.54	
	Back	0.433	0.504	0.337	0.199	0.94	0.97	
	Left side					0.00	0.00	
	Right side	0.100	0.085	0.580	0.082	0.19	0.76	
	Top side	0.508	0.888	0.426	0.259	1.40	1.19	
	Bottom side					0.00	0.00	
FR1 n48 Ant 8	Front	0.266	0.348	0.163	0.177	0.61	0.61	
	Back	0.620	0.504	0.337	0.199	1.12	1.16	
	Left side					0.00	0.00	
	Right side	0.480	0.085	0.580	0.082	0.57	1.14	
	Top side	0.315	0.888	0.426	0.259	1.20	1.00	
	Bottom side					0.00	0.00	
FR1 n48 Ant 10	Front	0.040	0.348	0.163	0.177	0.39	0.38	
	Back	0.584	0.504	0.337	0.199	1.09	1.12	
	Left side	0.030				0.03	0.03	
	Right side		0.085	0.580	0.082	0.09	0.66	
	Top side	0.020	0.888	0.426	0.259	0.91	0.71	
	Bottom side					0.00	0.00	
FR1 n77 Ant 4	Front	0.142	0.348	0.163	0.177	0.49	0.48	
	Back	0.568	0.504	0.337	0.199	1.07	1.10	



		Left side	0.525				0.53	0.53
		Right side		0.085	0.580	0.082	0.09	0.66
		Top side	0.048	0.888	0.426	0.259	0.94	0.73
		Bottom side					0.00	0.00
	FR1 n77 Ant 7	Front	0.187	0.348	0.163	0.177	0.54	0.53
		Back	0.422	0.504	0.337	0.199	0.93	0.96
		Left side					0.00	0.00
		Right side	0.075	0.085	0.580	0.082	0.16	0.74
		Top side	0.538	0.888	0.426	0.259	1.43	1.22
	FR1 n77 Ant 8	Bottom side					0.00	0.00
		Front	0.356	0.348	0.163	0.177	0.70	0.70
		Back	0.585	0.504	0.337	0.199	1.09	1.12
		Left side					0.00	0.00
		Right side	0.566	0.085	0.580	0.082	0.65	1.23
	FR1 n77 Ant 10	Top side	0.422	0.888	0.426	0.259	1.31	1.11
		Bottom side					0.00	0.00
		Front	0.030	0.348	0.163	0.177	0.38	0.37
		Back	0.543	0.504	0.337	0.199	1.05	1.08
		Left side	0.026				0.03	0.03
		Right side		0.085	0.580	0.082	0.09	0.66
	Top side	0.018	0.888	0.426	0.259	0.91	0.70	
	Bottom side					0.00	0.00	



WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4	Case No
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	Bluetooth Ant 3	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)	
GSM	GSM850 Ant 0	Front	1.055	0.348	0.163	0.177	1.40	1.40	
		Back	1.074	0.504	0.337	0.199	1.58	1.61	Case1
		Left side	0.097				0.10	0.10	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
	Bottom side	1.042				1.04	1.04		
	GSM1900 Ant 0	Front	0.428	0.348	0.163	0.177	0.78	0.77	
		Back	0.541	0.504	0.337	0.199	1.05	1.08	
		Left side	0.027				0.03	0.03	
		Right side		0.085	0.580	0.082	0.09	0.66	
Top side			0.888	0.426	0.259	0.89	0.69		
Bottom side	1.026				1.03	1.03			
WCDMA	WCDMA V Ant 0	Front	1.024	0.348	0.163	0.177	1.37	1.36	
		Back	1.126	0.504	0.337	0.199	1.63	1.66	Case2/3
		Left side	0.162				0.16	0.16	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
	Bottom side	1.041				1.04	1.04		
	WCDMA IV Ant 0	Front	0.631	0.348	0.163	0.177	0.98	0.97	
		Back	0.912	0.504	0.337	0.199	1.42	1.45	
		Left side	0.082				0.08	0.08	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
	Bottom side	1.214				1.21	1.21		
	WCDMA II Ant 0	Front	0.634	0.348	0.163	0.177	0.98	0.97	
		Back	0.936	0.504	0.337	0.199	1.44	1.47	
		Left side	0.055				0.06	0.06	
Right side			0.085	0.580	0.082	0.09	0.66		
Top side			0.888	0.426	0.259	0.89	0.69		
Bottom side	1.138				1.14	1.14			
LTE	LTE Band 71 Ant 0	Front	0.669	0.348	0.163	0.177	1.02	1.01	
		Back	1.067	0.504	0.337	0.199	1.57	1.60	Case4
		Left side	0.384				0.38	0.38	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
	Bottom side	0.745				0.75	0.75		
	LTE Band 12 Ant 0	Front	0.650	0.348	0.163	0.177	1.00	0.99	
		Back	1.223	0.504	0.337	0.199	1.73	1.76	Case5/6
		Left side	0.257				0.26	0.26	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
	Bottom side	0.937				0.94	0.94		
	LTE Band 13 Ant 0	Front	0.647	0.348	0.163	0.177	1.00	0.99	
		Back	1.094	0.504	0.337	0.199	1.60	1.63	Case17/7
		Left side	0.178				0.18	0.18	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
	Bottom side	0.867				0.87	0.87		
LTE Band 14 Ant 0	Front	0.751	0.348	0.163	0.177	1.10	1.09		
	Back	1.075	0.504	0.337	0.199	1.58	1.61	Case8	
	Left side	0.186				0.19	0.19		
		Right side		0.085	0.580	0.082	0.09	0.66	



		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	0.801				0.80	0.80	
	LTE Band 26 Ant 0	Front	0.872	0.348	0.163	0.177	1.22	1.21	
		Back	1.015	0.504	0.337	0.199	1.52	1.55	
		Left side	0.131				0.13	0.13	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	0.958				0.96	0.96	
	LTE Band 66 Ant 0	Front	0.565	0.348	0.163	0.177	0.91	0.91	
		Back	0.815	0.504	0.337	0.199	1.32	1.35	
		Left side	0.056				0.06	0.06	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	1.172				1.17	1.17	
	LTE Band 25 Ant 0	Front	0.533	0.348	0.163	0.177	0.88	0.87	
		Back	0.845	0.504	0.337	0.199	1.35	1.38	
		Left side	0.051				0.05	0.05	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	1.006				1.01	1.01	
	LTE Band 30 Ant 9	Front	0.932	0.348	0.163	0.177	1.28	1.27	
		Back	1.052	0.504	0.337	0.199	1.56	1.59	
		Left side	0.573				0.57	0.57	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	1.075				1.08	1.08	
	LTE Band 7 Ant 9	Front	1.082	0.348	0.163	0.177	1.43	1.42	
		Back	1.126	0.504	0.337	0.199	1.63	1.66	Case9/10
		Left side	0.527				0.53	0.53	
		Right side		0.085	0.580	0.082	0.09	0.66	
Top side			0.888	0.426	0.259	0.89	0.69		
Bottom side		1.227				1.23	1.23		
LTE Band 41 Ant 9	Front	0.866	0.348	0.163	0.177	1.21	1.21		
	Back	0.957	0.504	0.337	0.199	1.46	1.49		
	Left side	0.531				0.53	0.53		
	Right side		0.085	0.580	0.082	0.09	0.66		
	Top side		0.888	0.426	0.259	0.89	0.69		
	Bottom side	1.024				1.02	1.02		
FR1	FR1 n71 Ant 0	Front	0.571	0.348	0.163	0.177	0.92	0.91	
		Back	0.965	0.504	0.337	0.199	1.47	1.50	
		Left side	0.289				0.29	0.29	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	0.620				0.62	0.62	
	FR1 n12 Ant 0	Front	0.626	0.348	0.163	0.177	0.97	0.97	
		Back	0.846	0.504	0.337	0.199	1.35	1.38	
		Left side	0.242				0.24	0.24	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	0.703				0.70	0.70	
	FR1 n14 Ant 0	Front	0.896	0.348	0.163	0.177	1.24	1.24	
		Back	1.164	0.504	0.337	0.199	1.67	1.70	Case11/12
		Left side	0.249				0.25	0.25	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	0.992				0.99	0.99	



	FR1 n26 Ant 0	Front	0.920	0.348	0.163	0.177	1.27	1.26	
		Back	1.043	0.504	0.337	0.199	1.55	1.58	
		Left side	0.176				0.18	0.18	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	0.856				0.86	0.86	
	FR1 n70 Ant 0	Front	0.757	0.348	0.163	0.177	1.11	1.10	
		Back	0.926	0.504	0.337	0.199	1.43	1.46	
		Left side	0.090				0.09	0.09	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	1.187				1.19	1.19	
	FR1 n66 Ant 0	Front	0.713	0.348	0.163	0.177	1.06	1.05	
		Back	0.939	0.504	0.337	0.199	1.44	1.48	
		Left side	0.076				0.08	0.08	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	1.213				1.21	1.21	
	FR1 n25 Ant 0	Front	0.573	0.348	0.163	0.177	0.92	0.91	
		Back	0.799	0.504	0.337	0.199	1.30	1.34	
		Left side	0.056				0.06	0.06	
		Right side		0.085	0.580	0.082	0.09	0.66	
		Top side		0.888	0.426	0.259	0.89	0.69	
		Bottom side	1.280				1.28	1.28	
	FR1 n30 Ant 9	Front	0.983	0.348	0.163	0.177	1.33	1.32	
		Back	1.046	0.504	0.337	0.199	1.55	1.58	
		Left side	0.608				0.61	0.61	
Right side			0.085	0.580	0.082	0.09	0.66		
Top side			0.888	0.426	0.259	0.89	0.69		
Bottom side		1.066				1.07	1.07		
FR1 n7 Ant 9	Front	1.088	0.348	0.163	0.177	1.44	1.43		
	Back	1.140	0.504	0.337	0.199	1.64	1.68	Case14/15	
	Left side	0.511				0.51	0.51		
	Right side		0.085	0.580	0.082	0.09	0.66		
	Top side		0.888	0.426	0.259	0.89	0.69		
	Bottom side	1.217				1.22	1.22		
FR1 n41 Ant 9	Front	1.018	0.348	0.163	0.177	1.37	1.36		
	Back	1.130	0.504	0.337	0.199	1.63	1.67	Case16/17	
	Left side	0.556				0.56	0.56		
	Right side		0.085	0.580	0.082	0.09	0.66		
	Top side		0.888	0.426	0.259	0.89	0.69		
	Bottom side	1.146				1.15	1.15		



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4	
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	Bluetooth Ant 3	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)	
WCDMA	WCDMA V Ant 1	Front	0.582	0.344	0.136	0.177	0.93	0.90	
		Back	0.854	0.673	0.358	0.199	1.53	1.41	
	WCDMA IV Ant 1	Front	0.638	0.344	0.136	0.177	0.98	0.95	
		Back	0.762	0.673	0.358	0.199	1.44	1.32	
	WCDMA II Ant 1	Front	0.527	0.344	0.136	0.177	0.87	0.84	
		Back	0.848	0.673	0.358	0.199	1.52	1.41	
LTE	LTE Band 71 Ant 1	Front	0.256	0.344	0.136	0.177	0.60	0.57	
		Back	0.447	0.673	0.358	0.199	1.12	1.00	
	LTE Band 12 Ant 1	Front	0.393	0.344	0.136	0.177	0.74	0.71	
		Back	0.886	0.673	0.358	0.199	1.56	1.44	
	LTE Band 13 Ant 1	Front	0.520	0.344	0.136	0.177	0.86	0.83	
		Back	0.791	0.673	0.358	0.199	1.46	1.35	
	LTE Band 14 Ant 1	Front	0.553	0.344	0.136	0.177	0.90	0.87	
		Back	0.826	0.673	0.358	0.199	1.50	1.38	
	LTE Band 26 Ant 1	Front	0.598	0.344	0.136	0.177	0.94	0.91	
		Back	0.860	0.673	0.358	0.199	1.53	1.42	
	LTE Band 66 Ant 1	Front	0.636	0.344	0.136	0.177	0.98	0.95	
		Back	0.866	0.673	0.358	0.199	1.54	1.42	
	LTE Band 25 Ant 1	Front	0.528	0.344	0.136	0.177	0.87	0.84	
		Back	0.839	0.673	0.358	0.199	1.51	1.40	
	LTE Band 30 Ant 1	Front	0.358	0.344	0.136	0.177	0.70	0.67	
		Back	0.783	0.673	0.358	0.199	1.46	1.34	
	LTE Band 7 Ant 1	Front	0.751	0.344	0.136	0.177	1.10	1.06	
		Back	0.852	0.673	0.358	0.199	1.53	1.41	
	LTE Band 41 Ant 1	Front	0.382	0.344	0.136	0.177	0.73	0.70	
		Back	0.814	0.673	0.358	0.199	1.49	1.37	
	LTE Band 41 Ant 2	Front	0.262	0.344	0.136	0.177	0.61	0.58	
		Back	0.772	0.673	0.358	0.199	1.45	1.33	
	LTE Band 41 Ant 5	Front	0.166	0.344	0.136	0.177	0.51	0.48	
		Back	0.788	0.673	0.358	0.199	1.46	1.35	
	LTE Band 48 Ant 4	Front	0.220	0.344	0.136	0.177	0.56	0.53	
		Back	0.725	0.673	0.358	0.199	1.40	1.28	
	LTE Band 48 Ant 7	Front	0.301	0.344	0.136	0.177	0.65	0.61	
		Back	0.746	0.673	0.358	0.199	1.42	1.30	
	LTE Band 48 Ant 8	Front	0.476	0.344	0.136	0.177	0.82	0.79	
		Back	0.847	0.673	0.358	0.199	1.52	1.40	
	LTE Band 48 Ant 10	Front	0.050	0.344	0.136	0.177	0.39	0.36	
		Back	0.789	0.673	0.358	0.199	1.46	1.35	
	FR1	FR1 n71 Ant 1	Front	0.330	0.344	0.136	0.177	0.67	0.64
			Back	0.617	0.673	0.358	0.199	1.29	1.17
		FR1 n12 Ant 1	Front	0.308	0.344	0.136	0.177	0.65	0.62
			Back	0.750	0.673	0.358	0.199	1.42	1.31
FR1 n14 Ant 1		Front	0.474	0.344	0.136	0.177	0.82	0.79	
		Back	0.814	0.673	0.358	0.199	1.49	1.37	
FR1 n26 Ant 1		Front	0.698	0.344	0.136	0.177	1.04	1.01	
		Back	0.866	0.673	0.358	0.199	1.54	1.42	
FR1 n70 Ant 1		Front	0.449	0.344	0.136	0.177	0.79	0.76	
		Back	0.745	0.673	0.358	0.199	1.42	1.30	
FR1 n66 Ant 1		Front	0.483	0.344	0.136	0.177	0.83	0.80	
		Back	0.814	0.673	0.358	0.199	1.49	1.37	



FR1 n25 Ant 1	Front	0.458	0.344	0.136	0.177	0.80	0.77
	Back	0.827	0.673	0.358	0.199	1.50	1.38
FR1 n30 Ant 1	Front	0.431	0.344	0.136	0.177	0.78	0.74
	Back	0.837	0.673	0.358	0.199	1.51	1.39
FR1 n7 Ant 1	Front	0.518	0.344	0.136	0.177	0.86	0.83
	Back	0.818	0.673	0.358	0.199	1.49	1.38
FR1 n41 Ant 1	Front	0.500	0.344	0.136	0.177	0.84	0.81
	Back	0.842	0.673	0.358	0.199	1.52	1.40
FR1 n41 Ant 2	Front	0.317	0.344	0.136	0.177	0.66	0.63
	Back	0.846	0.673	0.358	0.199	1.52	1.40
FR1 n41 Ant 5	Front	0.106	0.344	0.136	0.177	0.45	0.42
	Back	0.854	0.673	0.358	0.199	1.53	1.41
FR1 n41 Ant 6	Front	0.160	0.344	0.136	0.177	0.50	0.47
	Back	0.379	0.673	0.358	0.199	1.05	0.94
FR1 n48 Ant 4	Front	0.163	0.344	0.136	0.177	0.51	0.48
	Back	0.779	0.673	0.358	0.199	1.45	1.34
FR1 n48 Ant 7	Front	0.314	0.344	0.136	0.177	0.66	0.63
	Back	0.812	0.673	0.358	0.199	1.49	1.37
FR1 n48 Ant 8	Front	0.379	0.344	0.136	0.177	0.72	0.69
	Back	0.827	0.673	0.358	0.199	1.50	1.38
FR1 n48 Ant 10	Front	0.051	0.344	0.136	0.177	0.40	0.36
	Back	0.874	0.673	0.358	0.199	1.55	1.43
FR1 n77 Ant 4	Front	0.259	0.344	0.136	0.177	0.60	0.57
	Back	0.802	0.673	0.358	0.199	1.48	1.36
FR1 n77 Ant 7	Front	0.424	0.344	0.136	0.177	0.77	0.74
	Back	0.848	0.673	0.358	0.199	1.52	1.41
FR1 n77 Ant 8	Front	0.439	0.344	0.136	0.177	0.78	0.75
	Back	0.820	0.673	0.358	0.199	1.49	1.38
FR1 n77 Ant 10	Front	0.048	0.344	0.136	0.177	0.39	0.36
	Back	0.826	0.673	0.358	0.199	1.50	1.38



WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4	Case No
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	Bluetooth Ant 3	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)	
GSM	GSM850 Ant 0	Front	1.055	0.344	0.136	0.177	1.40	1.37	
		Back	1.074	0.673	0.358	0.199	1.75	1.63	Case1/2
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	GSM1900 Ant 0	Front	0.505	0.344	0.136	0.177	0.85	0.82	
		Back	1.021	0.673	0.358	0.199	1.69	1.58	Case3
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
WCDMA	WCDMA V Ant 0	Front	1.024	0.344	0.136	0.177	1.37	1.34	
		Back	1.126	0.673	0.358	0.199	1.80	1.68	Case4/5
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	WCDMA IV Ant 0	Front	0.793	0.344	0.136	0.177	1.14	1.11	
		Back	1.245	0.673	0.358	0.199	1.92	1.80	Case6/7
		Front with Headset					0.00	0.00	
		Back with Headset	1.095				1.10	1.10	
	WCDMA II Ant 0	Front	0.765	0.344	0.136	0.177	1.11	1.08	
		Back	1.182	0.673	0.358	0.199	1.86	1.74	Case8/9
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
LTE	LTE Band 71 Ant 0	Front	0.669	0.344	0.136	0.177	1.01	0.98	
		Back	1.067	0.673	0.358	0.199	1.74	1.62	Case10/11
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 12 Ant 0	Front	0.650	0.344	0.136	0.177	0.99	0.96	
		Back	1.223	0.673	0.358	0.199	1.90	1.78	Case12/13
		Front with Headset					0.00	0.00	
		Back with Headset	1.172				1.17	1.17	
	LTE Band 13 Ant 0	Front	0.647	0.344	0.136	0.177	0.99	0.96	
		Back	1.094	0.673	0.358	0.199	1.77	1.65	Case14/15
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 14 Ant 0	Front	0.751	0.344	0.136	0.177	1.10	1.06	
		Back	1.075	0.673	0.358	0.199	1.75	1.63	Case16/17
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 26 Ant 0	Front	0.872	0.344	0.136	0.177	1.22	1.19	
		Back	1.015	0.673	0.358	0.199	1.69	1.57	Case18
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 66 Ant 0	Front	0.889	0.344	0.136	0.177	1.23	1.20	
		Back	1.061	0.673	0.358	0.199	1.73	1.62	Case20/21
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
LTE Band 25 Ant 0	Front	1.003	0.344	0.136	0.177	1.35	1.32		
	Back	1.279	0.673	0.358	0.199	1.95	1.84	Case22/23	
	Front with Headset					0.00	0.00		
	Back with Headset	1.215				1.22	1.22		
LTE Band 30 Ant 9	Front	1.129	0.344	0.136	0.177	1.47	1.44		
	Back	1.215	0.673	0.358	0.199	1.89	1.77	Case24/25	
	Front with Headset					0.00	0.00		
	Back with Headset	1.139				1.14	1.14		



FR1	LTE Band 7 Ant 9	Front	1.082	0.344	0.136	0.177	1.43	1.40	
		Back	1.126	0.673	0.358	0.199	1.80	1.68	Case26/27
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 41 Ant 9	Front	1.091	0.344	0.136	0.177	1.44	1.40	
		Back	1.138	0.673	0.358	0.199	1.81	1.70	Case28/29
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
FR1	FR1 n71 Ant 0	Front	0.571	0.344	0.136	0.177	0.92	0.88	
		Back	0.965	0.673	0.358	0.199	1.64	1.52	Case30
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	FR1 n12 Ant 0	Front	0.626	0.344	0.136	0.177	0.97	0.94	
		Back	0.846	0.673	0.358	0.199	1.52	1.40	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	FR1 n14 Ant 0	Front	0.896	0.344	0.136	0.177	1.24	1.21	
		Back	1.164	0.673	0.358	0.199	1.84	1.72	Case31/32
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	FR1 n26 Ant 0	Front	0.920	0.344	0.136	0.177	1.26	1.23	
		Back	1.043	0.673	0.358	0.199	1.72	1.60	Case33/34
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	FR1 n70 Ant 0	Front	1.021	0.344	0.136	0.177	1.37	1.33	
		Back	1.231	0.673	0.358	0.199	1.90	1.79	Case35/36
		Front with Headset					0.00	0.00	
		Back with Headset	1.181				1.18	1.18	
	FR1 n66 Ant 0	Front	0.940	0.344	0.136	0.177	1.28	1.25	
		Back	1.218	0.673	0.358	0.199	1.89	1.78	Case37/38
		Front with Headset					0.00	0.00	
		Back with Headset	1.191				1.19	1.19	
	FR1 n25 Ant 0	Front	0.909	0.344	0.136	0.177	1.25	1.22	
		Back	1.274	0.673	0.358	0.199	1.95	1.83	Case39/40
		Front with Headset					0.00	0.00	
		Back with Headset	1.186				1.19	1.19	
FR1 n30 Ant 9	Front	1.109	0.344	0.136	0.177	1.45	1.42		
	Back	1.216	0.673	0.358	0.199	1.89	1.77	Case41/42	
	Front with Headset					0.00	0.00		
	Back with Headset	1.168				1.17	1.17		
FR1 n7 Ant 9	Front	1.122	0.344	0.136	0.177	1.47	1.44		
	Back	1.274	0.673	0.358	0.199	1.95	1.83	Case43/44	
	Front with Headset					0.00	0.00		
	Back with Headset	1.192				1.19	1.19		
FR1 n41 Ant 9	Front	1.062	0.344	0.136	0.177	1.41	1.38		
	Back	1.277	0.673	0.358	0.199	1.95	1.83	Case45/46	
	Front with Headset					0.00	0.00		
	Back with Headset	1.099				1.10	1.10		



WWAN Band		Exposure Position	1	2	3	1+2	1+3
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA	WCDMA V Ant 1	Front	0.302	0.465	0.369	0.77	0.67
		Back	0.261	0.232	0.752	0.49	1.01
	WCDMA IV Ant 1	Front	0.698	0.465	0.369	1.16	1.07
		Back	0.658	0.232	0.752	0.89	1.41
	WCDMA II Ant 1	Front	0.598	0.465	0.369	1.06	0.97
		Back	0.499	0.232	0.752	0.73	1.25
LTE	LTE Band 14 Ant 1	Front	0.176	0.465	0.369	0.64	0.55
		Back	0.189	0.232	0.752	0.42	0.94
	LTE Band 26 Ant 1	Front	0.267	0.465	0.369	0.73	0.64
		Back	0.202	0.232	0.752	0.43	0.95
	LTE Band 66 Ant 1	Front	0.535	0.465	0.369	1.00	0.90
		Back	0.465	0.232	0.752	0.70	1.22
	LTE Band 25 Ant 1	Front	0.494	0.465	0.369	0.96	0.86
		Back	0.417	0.232	0.752	0.65	1.17
	LTE Band 30 Ant 1	Front	0.250	0.465	0.369	0.72	0.62
		Back	0.430	0.232	0.752	0.66	1.18
	LTE Band 7 Ant 1	Front	0.265	0.465	0.369	0.73	0.63
		Back	0.301	0.232	0.752	0.53	1.05
	LTE Band 41 Ant 1	Front	0.150	0.465	0.369	0.62	0.52
		Back	0.180	0.232	0.752	0.41	0.93
	LTE Band 41 Ant 2	Front	0.081	0.465	0.369	0.55	0.45
		Back	0.191	0.232	0.752	0.42	0.94
	LTE Band 41 Ant 5	Front	0.112	0.465	0.369	0.58	0.48
		Back	0.255	0.232	0.752	0.49	1.01
	LTE Band 48 Ant 4	Front	0.295	0.465	0.369	0.76	0.66
		Back	0.841	0.232	0.752	1.07	1.59
	LTE Band 48 Ant 7	Front	0.237	0.465	0.369	0.70	0.61
		Back	0.365	0.232	0.752	0.60	1.12
	LTE Band 48 Ant 8	Front	0.178	0.465	0.369	0.64	0.55
		Back	0.183	0.232	0.752	0.42	0.94
LTE Band 48 Ant 10	Front	0.006	0.465	0.369	0.47	0.38	
	Back	0.276	0.232	0.752	0.51	1.03	
FR1	FR1 n14 Ant 1	Front	0.133	0.465	0.369	0.60	0.50
		Back	0.148	0.232	0.752	0.38	0.90
	FR1 n70 Ant 1	Front	0.554	0.465	0.369	1.02	0.92
		Back	0.494	0.232	0.752	0.73	1.25
	FR1 n66 Ant 1	Front	0.472	0.465	0.369	0.94	0.84
		Back	0.419	0.232	0.752	0.65	1.17
	FR1 n25 Ant 1	Front	0.957	0.465	0.369	1.42	1.33
		Back	0.432	0.232	0.752	0.66	1.18
	FR1 n30 Ant 1	Front	0.304	0.465	0.369	0.77	0.67
		Back	0.367	0.232	0.752	0.60	1.12
	FR1 n7 Ant 1	Front	0.287	0.465	0.369	0.75	0.66
		Back	0.465	0.232	0.752	0.70	1.22
	FR1 n41 Ant 1	Front	0.449	0.465	0.369	0.91	0.82
		Back	0.551	0.232	0.752	0.78	1.30
	FR1 n41 Ant 2	Front	0.225	0.465	0.369	0.69	0.59
		Back	0.296	0.232	0.752	0.53	1.05
	FR1 n41 Ant 5	Front	0.108	0.465	0.369	0.57	0.48
		Back	0.733	0.232	0.752	0.97	1.49
FR1 n48 Ant 4	Front	0.314	0.465	0.369	0.78	0.68	
	Back	0.828	0.232	0.752	1.06	1.58	



	FR1 n48 Ant 7	Front	0.299	0.465	0.369	0.76	0.67
		Back	0.291	0.232	0.752	0.52	1.04
	FR1 n48 Ant 8	Front	0.143	0.465	0.369	0.61	0.51
		Back	0.179	0.232	0.752	0.41	0.93
	FR1 n48 Ant 10	Front	0.004	0.465	0.369	0.47	0.37
		Back	0.440	0.232	0.752	0.67	1.19
	FR1 n77 Ant 4	Front	0.353	0.465	0.369	0.82	0.72
		Back	0.822	0.232	0.752	1.05	1.57
	FR1 n77 Ant 7	Front	0.220	0.465	0.369	0.69	0.59
		Back	0.291	0.232	0.752	0.52	1.04
	FR1 n77 Ant 8	Front	0.178	0.465	0.369	0.64	0.55
		Back	0.219	0.232	0.752	0.45	0.97
	FR1 n77 Ant 10	Front	0.004	0.465	0.369	0.47	0.37
		Back	0.546	0.232	0.752	0.78	1.30

Sensor off

WWAN Band		Exposure Position	1	2	3	1+2	1+3
			WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM	GSM1900 Ant 0	Front	0.872	0.465	0.369	1.34	1.24
		Back	0.643	0.232	0.752	0.88	1.40
WCDMA	WCDMA IV Ant 0	Front	0.771	0.465	0.369	1.24	1.14
		Back	0.641	0.232	0.752	0.87	1.39
	WCDMA II Ant 0	Front	0.678	0.465	0.369	1.14	1.05
		Back	0.676	0.232	0.752	0.91	1.43
LTE	LTE Band 66 Ant 0	Front	0.916	0.465	0.369	1.38	1.29
		Back	0.755	0.232	0.752	0.99	1.51
	LTE Band 25 Ant 0	Front	0.724	0.465	0.369	1.19	1.09
		Back	0.685	0.232	0.752	0.92	1.44
	LTE Band 30 Ant 9	Front	0.505	0.465	0.369	0.97	0.87
		Back	0.329	0.232	0.752	0.56	1.08
	LTE Band 7 Ant 9	Front	0.694	0.465	0.369	1.16	1.06
		Back	0.485	0.232	0.752	0.72	1.24
	LTE Band 41 Ant 9	Front	0.866	0.465	0.369	1.33	1.24
		Back	0.669	0.232	0.752	0.90	1.42
FR1	FR1 n70 Ant 0	Front	0.593	0.465	0.369	1.06	0.96
		Back	0.492	0.232	0.752	0.72	1.24
	FR1 n66 Ant 0	Front	0.670	0.465	0.369	1.14	1.04
		Back	0.584	0.232	0.752	0.82	1.34
	FR1 n25 Ant 0	Front	0.551	0.465	0.369	1.02	0.92
		Back	0.503	0.232	0.752	0.74	1.26
	FR1 n30 Ant 9	Front	0.504	0.465	0.369	0.97	0.87
		Back	0.350	0.232	0.752	0.58	1.10
	FR1 n7 Ant 9	Front	0.651	0.465	0.369	1.12	1.02
		Back	0.483	0.232	0.752	0.72	1.24
	FR1 n41 Ant 9	Front	0.984	0.465	0.369	1.45	1.35
		Back	0.729	0.232	0.752	0.96	1.48



17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

(b) WWAN Band	Exposure Position	1	2	3	19	1+2+19	1+3+19	
		WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	NFC	Summed	Summed	
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
WCDMA	WCDMA IV Ant 1	Front	1.239	0.703	0.444		1.94	1.68
		Back	1.849	0.459	0.467	0.009	2.32	2.33
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.210	0.920	0.588		3.13	2.80
		Bottom side					0.00	0.00
	WCDMA II Ant 1	Front	1.036	0.703	0.444		1.74	1.48
		Back	1.692	0.459	0.467	0.009	2.16	2.17
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.292	0.920	0.588		3.21	2.88
		Bottom side					0.00	0.00
LTE	LTE Band 66 Ant 1	Front	1.242	0.703	0.444		1.95	1.69
		Back	1.494	0.459	0.467	0.009	1.96	1.97
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.339	0.920	0.588		3.26	2.93
		Bottom side					0.00	0.00
	LTE Band 25 Ant 1	Front	1.510	0.703	0.444		2.21	1.95
		Back	1.753	0.459	0.467	0.009	2.22	2.23
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.150	0.920	0.588		3.07	2.74
		Bottom side					0.00	0.00
	LTE Band 30 Ant 1	Front	0.654	0.703	0.444		1.36	1.10
		Back	1.260	0.459	0.467	0.009	1.73	1.74
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.111	0.920	0.588		3.03	2.70
		Bottom side					0.00	0.00
	LTE Band 7 Ant 1	Front	0.996	0.703	0.444		1.70	1.44
		Back	1.628	0.459	0.467	0.009	2.10	2.10
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.277	0.920	0.588		3.20	2.87
		Bottom side					0.00	0.00
	LTE Band 41 Ant 1	Front		0.703	0.444		0.70	0.44
		Back	1.752	0.459	0.467	0.009	2.22	2.23
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.370	0.920	0.588		3.29	2.96
		Bottom side					0.00	0.00
	LTE Band 41 Ant 2	Front		0.703	0.444		0.70	0.44
		Back	1.143	0.459	0.467	0.009	1.61	1.62
		Left side					0.00	0.00
		Right side	0.642		0.973		0.64	1.62
		Top side		0.920	0.588		0.92	0.59



	LTE Band 41 Ant 5	Bottom side					0.00	0.00
		Front		0.703	0.444		0.70	0.44
		Back	1.016	0.459	0.467	0.009	1.48	1.49
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side					0.00	0.00
	LTE Band 48 Ant 4	Front		0.703	0.444		0.70	0.44
		Back	2.667	0.459	0.467	0.009	3.14	3.14
		Left side	2.790				2.79	2.79
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side					0.00	0.00
	LTE Band 48 Ant 7	Front		0.703	0.444		0.70	0.44
		Back	1.109	0.459	0.467	0.009	1.58	1.59
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.007	0.920	0.588		2.93	2.60
		Bottom side					0.00	0.00
	LTE Band 48 Ant 8	Front		0.703	0.444		0.70	0.44
		Back	0.711	0.459	0.467	0.009	1.18	1.19
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side					0.00	0.00
	LTE Band 48 Ant 10	Front		0.703	0.444		0.70	0.44
		Back	2.234	0.459	0.467	0.009	2.70	2.71
		Left side					0.00	0.00
Right side				0.973		0.00	0.97	
Top side			0.920	0.588		0.92	0.59	
Bottom side						0.00	0.00	
FR1	FR1 n70 Ant 1	Front	2.069	0.703	0.444		2.77	2.51
		Back	2.194	0.459	0.467	0.009	2.66	2.67
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.320	0.920	0.588		3.24	2.91
		Bottom side					0.00	0.00
	FR1 n66 Ant 1	Front	1.606	0.703	0.444		2.31	2.05
		Back	1.896	0.459	0.467	0.009	2.36	2.37
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.367	0.920	0.588		3.29	2.96
		Bottom side					0.00	0.00
	FR1 n25 Ant 1	Front	1.650	0.703	0.444		2.35	2.09
		Back	2.040	0.459	0.467	0.009	2.51	2.52
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.384	0.920	0.588		3.30	2.97
		Bottom side					0.00	0.00
	FR1 n30 Ant 1	Front		0.703	0.444		0.70	0.44
		Back	1.439	0.459	0.467	0.009	1.91	1.92
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	2.154	0.920	0.588		3.07	2.74
		Bottom side					0.00	0.00
	FR1 n7 Ant 1	Front	1.136	0.703	0.444		1.84	1.58



	FR1 n41 Ant 1	Back	1.481	0.459	0.467	0.009	1.95	1.96
		Left side	1.269				1.27	1.27
		Right side			0.973		0.00	0.97
		Top side	2.389	0.920	0.588		3.31	2.98
		Bottom side					0.00	0.00
	FR1 n41 Ant 2	Front	1.235	0.703	0.444		1.94	1.68
		Back	1.557	0.459	0.467	0.009	2.03	2.03
		Left side	1.406				1.41	1.41
		Right side			0.973		0.00	0.97
		Top side	2.315	0.920	0.588		3.24	2.90
	FR1 n41 Ant 5	Front		0.703	0.444		0.70	0.44
		Back	2.283	0.459	0.467	0.009	2.75	2.76
		Left side					0.00	0.00
		Right side	2.170		0.973		2.17	3.14
		Top side		0.920	0.588		0.92	0.59
	FR1 n48 Ant 4	Front	1.236	0.703	0.444		1.94	1.68
		Back	2.277	0.459	0.467	0.009	2.75	2.75
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side	1.802	0.920	0.588		2.72	2.39
	FR1 n48 Ant 7	Front		0.703	0.444		0.70	0.44
		Back	1.773	0.459	0.467	0.009	2.24	2.25
		Left side	2.084				2.08	2.08
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
FR1 n48 Ant 8	Bottom side					0.00	0.00	
	Front	0.987	0.703	0.444		1.69	1.43	
	Back	0.890	0.459	0.467	0.009	1.36	1.37	
	Left side					0.00	0.00	
	Right side			0.973		0.00	0.97	
FR1 n48 Ant 10	Top side	2.275	0.920	0.588		3.20	2.86	
	Bottom side					0.00	0.00	
	Front		0.703	0.444		0.70	0.44	
	Back	0.751	0.459	0.467	0.009	1.22	1.23	
	Left side					0.00	0.00	
FR1 n77 Ant 4	Right side	1.969		0.973		1.97	2.94	
	Top side		0.920	0.588		0.92	0.59	
	Bottom side					0.00	0.00	
	Front		0.703	0.444		0.70	0.44	
	Back	2.316	0.459	0.467	0.009	2.78	2.79	
FR1 n77 Ant 7	Left side					0.00	0.00	
	Right side			0.973		0.00	0.97	
	Top side		0.920	0.588		0.92	0.59	
	Bottom side					0.00	0.00	
	Front	0.932	0.703	0.444		1.64	1.38	
FR1 n77 Ant 7	Back	2.351	0.459	0.467	0.009	2.82	2.83	
	Left side	2.461				2.46	2.46	
	Right side			0.973		0.00	0.97	
FR1 n77 Ant 7	Top side		0.920	0.588		0.92	0.59	
	Bottom side					0.00	0.00	
	Front	1.857	0.703	0.444		2.56	2.30	
FR1 n77 Ant 7	Back	1.554	0.459	0.467	0.009	2.02	2.03	
	Left side					0.00	0.00	



	FR1 n77 Ant 8	Right side			0.973		0.00	0.97
		Top side	2.065	0.920	0.588		2.99	2.65
		Bottom side					0.00	0.00
	FR1 n77 Ant 8	Front	1.219	0.703	0.444		1.92	1.66
		Back	1.007	0.459	0.467	0.009	1.48	1.48
		Left side					0.00	0.00
		Right side	1.833		0.973		1.83	2.81
		Top side	1.033	0.920	0.588		1.95	1.62
	FR1 n77 Ant 10	Bottom side					0.00	0.00
		Front		0.703	0.444		0.70	0.44
		Back	2.282	0.459	0.467	0.009	2.75	2.76
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side					0.00	0.00

WWAN Band		Exposure Position	1	2	3	19	1+2+19	1+3+19
			WWAN	WLAN2.4GHz	WLAN5GHz	NFC	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM	GSM1900 Ant 0	Front		0.703	0.444		0.70	0.44
		Back	2.695	0.459	0.467	0.009	3.16	3.17
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	2.974				2.97	2.97
WCDMA	WCDMA IV Ant 0	Front	1.812	0.703	0.444		2.52	2.26
		Back	2.469	0.459	0.467	0.009	2.94	2.95
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	3.162				3.16	3.16
	WCDMA II Ant 0	Front	2.199	0.703	0.444		2.90	2.64
		Back	2.850	0.459	0.467	0.009	3.32	3.33
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	3.164				3.16	3.16
LTE	LTE Band 12 Ant 0	Front		0.703	0.444		0.70	0.44
		Back	2.399	0.459	0.467	0.009	2.87	2.88
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side					0.00	0.00
	LTE Band 66 Ant 0	Front	1.568	0.703	0.444		2.27	2.01
		Back	1.941	0.459	0.467	0.009	2.41	2.42
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	2.682				2.68	2.68
	LTE Band 25 Ant 0	Front	1.593	0.703	0.444		2.30	2.04
		Back	1.889	0.459	0.467	0.009	2.36	2.37
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	2.728				2.73	2.73



	LTE Band 30 Ant 9	Front	3.025	0.703	0.444		3.73	3.47
		Back	2.531	0.459	0.467	0.009	3.00	3.01
		Left side	0.965				0.97	0.97
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	1.422				1.42	1.42
	LTE Band 7 Ant 9	Front	2.615	0.703	0.444		3.32	3.06
		Back	2.615	0.459	0.467	0.009	3.08	3.09
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	2.757				2.76	2.76
	LTE Band 41 Ant 9	Front	2.427	0.703	0.444		3.13	2.87
		Back	2.936	0.459	0.467	0.009	3.40	3.41
		Left side	1.093				1.09	1.09
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	3.169				3.17	3.17
FR1	FR1 n70 Ant 0	Front	2.231	0.703	0.444		2.93	2.68
		Back	2.926	0.459	0.467	0.009	3.39	3.40
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	3.136				3.14	3.14
	FR1 n66 Ant 0	Front	2.128	0.703	0.444		2.83	2.57
		Back	2.713	0.459	0.467	0.009	3.18	3.19
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	3.136				3.14	3.14
	FR1 n25 Ant 0	Front	1.808	0.703	0.444		2.51	2.25
		Back	2.178	0.459	0.467	0.009	2.65	2.65
		Left side					0.00	0.00
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	3.158				3.16	3.16
	FR1 n30 Ant 9	Front	2.905	0.703	0.444		3.61	3.35
		Back	2.719	0.459	0.467	0.009	3.19	3.20
		Left side	0.964				0.96	0.96
		Right side			0.973		0.00	0.97
		Top side		0.920	0.588		0.92	0.59
		Bottom side	1.366				1.37	1.37
FR1 n7 Ant 9	Front	2.725	0.703	0.444		3.43	3.17	
	Back	2.402	0.459	0.467	0.009	2.87	2.88	
	Left side	1.369				1.37	1.37	
	Right side			0.973		0.00	0.97	
	Top side		0.920	0.588		0.92	0.59	
	Bottom side	2.862				2.86	2.86	
FR1 n41 Ant 9	Front	2.651	0.703	0.444		3.35	3.10	
	Back	2.553	0.459	0.467	0.009	3.02	3.03	
	Left side	1.652				1.65	1.65	
	Right side			0.973		0.00	0.97	
	Top side		0.920	0.588		0.92	0.59	
	Bottom side	2.922				2.92	2.92	



Sensor off

WWAN Band	Exposure Position	1	2	3	19	1+2+19	1+3+19
		WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 8	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WCDMA IV Ant 0	Front	1.170	1.527	0.853		2.70	2.02
	Back	1.002	1.092	2.007	0.009	2.10	3.02
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.864				0.86	0.86
WCDMA IV Ant 1	Front	1.572	1.527	0.853		3.10	2.43
	Back	0.947	1.092	2.007	0.009	2.05	2.96
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.507	1.048	1.048		2.56	2.56
	Bottom side					0.00	0.00
LTE Band 66 Ant 0	Front	1.403	1.527	0.853		2.93	2.26
	Back	1.129	1.092	2.007	0.009	2.23	3.15
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.854				0.85	0.85
LTE Band 66 Ant 1	Front	1.348	1.527	0.853		2.88	2.20
	Back	0.950	1.092	2.007	0.009	2.05	2.97
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.528	1.048	1.048		2.58	2.58
	Bottom side					0.00	0.00
FR1 n70 Ant 0	Front	1.082	1.527	0.853		2.61	1.94
	Back	0.916	1.092	2.007	0.009	2.02	2.93
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.560				0.56	0.56
FR1 n70 Ant 1	Front	1.546	1.527	0.853		3.07	2.40
	Back	0.859	1.092	2.007	0.009	1.96	2.88
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.375	1.048	1.048		2.42	2.42
	Bottom side					0.00	0.00
FR1 n66 Ant 0	Front	1.427	1.527	0.853		2.95	2.28
	Back	1.009	1.092	2.007	0.009	2.11	3.03
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.800				0.80	0.80
FR1 n66 Ant 1	Front	1.133	1.527	0.853		2.66	1.99
	Back	0.775	1.092	2.007	0.009	1.88	2.79
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.401	1.048	1.048		2.45	2.45
	Bottom side					0.00	0.00
WCDMA II Ant 0	Front	1.643	1.527	0.853		3.17	2.50
	Back	1.201	1.092	2.007	0.009	2.30	3.22
	Left side					0.00	0.00



	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	1.115				1.12	1.12
WCDMA II Ant 1	Front	0.937	1.527	0.853		2.46	1.79
	Back	0.751	1.092	2.007	0.009	1.85	2.77
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.518	1.048	1.048		2.57	2.57
	Bottom side					0.00	0.00
LTE Band 25 Ant 0	Front	1.504	1.527	0.853		3.03	2.36
	Back	1.096	1.092	2.007	0.009	2.20	3.11
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	1.053				1.05	1.05
LTE Band 25 Ant 1	Front	0.768	1.527	0.853		2.30	1.62
	Back	0.599	1.092	2.007	0.009	1.70	2.62
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.121	1.048	1.048		2.17	2.17
	Bottom side					0.00	0.00
FR1 n25 Ant 0	Front	1.308	1.527	0.853		2.84	2.16
	Back	0.919	1.092	2.007	0.009	2.02	2.94
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.863				0.86	0.86
FR1 n25 Ant 1	Front	0.982	1.527	0.853		2.51	1.84
	Back	0.746	1.092	2.007	0.009	1.85	2.76
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.431	1.048	1.048		2.48	2.48
	Bottom side					0.00	0.00
LTE Band 30 Ant 1	Front	0.669	1.527	0.853		2.20	1.52
	Back	0.567	1.092	2.007	0.009	1.67	2.58
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	0.394	1.048	1.048		1.44	1.44
	Bottom side					0.00	0.00
LTE Band 30 Ant 9	Front	1.201	1.527	0.853		2.73	2.05
	Back	0.575	1.092	2.007	0.009	1.68	2.59
	Left side	1.124				1.12	1.12
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.391				0.39	0.39
FR1 n30 Ant 1	Front		1.527	0.853		1.53	0.85
	Back	0.598	1.092	2.007	0.009	1.70	2.61
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.466	1.048	1.048		2.51	2.51
	Bottom side					0.00	0.00
FR1 n30 Ant 9	Front	0.875	1.527	0.853		2.40	1.73
	Back	0.513	1.092	2.007	0.009	1.61	2.53
	Left side	0.964				0.96	0.96
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05



	Bottom side	2.526				2.53	2.53
LTE Band 7 Ant 1	Front	0.648	1.527	0.853		2.18	1.50
	Back	0.561	1.092	2.007	0.009	1.66	2.58
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	0.436	1.048	1.048		1.48	1.48
	Bottom side					0.00	0.00
LTE Band 7 Ant 9	Front	1.540	1.527	0.853		3.07	2.39
	Back	0.906	1.092	2.007	0.009	2.01	2.92
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	1.687				1.69	1.69
FR1 n7 Ant 1	Front	0.770	1.527	0.853		2.30	1.62
	Back	0.660	1.092	2.007	0.009	1.76	2.68
	Left side	0.448				0.45	0.45
	Right side			1.593		0.00	1.59
	Top side	1.431	1.048	1.048		2.48	2.48
	Bottom side					0.00	0.00
FR1 n7 Ant 9	Front	1.437	1.527	0.853		2.96	2.29
	Back	0.681	1.092	2.007	0.009	1.78	2.70
	Left side	1.425				1.43	1.43
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.430				0.43	0.43
FR1 n41 Ant 1	Front	1.005	1.527	0.853		2.53	1.86
	Back	0.693	1.092	2.007	0.009	1.79	2.71
	Left side	0.718				0.72	0.72
	Right side			1.593		0.00	1.59
	Top side	1.521	1.048	1.048		2.57	2.57
	Bottom side					0.00	0.00
FR1 n41 Ant 5	Front	0.484	1.527	0.853		2.01	1.34
	Back	1.245	1.092	2.007	0.009	2.35	3.26
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	0.617	1.048	1.048		1.67	1.67
	Bottom side					0.00	0.00
FR1 n41 Ant 9	Front	2.305	1.527	0.853		3.83	3.16
	Back	1.226	1.092	2.007	0.009	2.33	3.24
	Left side	2.682				2.68	2.68
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side	0.582				0.58	0.58
LTE Band 48 Ant 4	Front		1.527	0.853		1.53	0.85
	Back	0.479	1.092	2.007	0.009	1.58	2.50
	Left side	0.809				0.81	0.81
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side					0.00	0.00
LTE Band 48 Ant 10	Front		1.527	0.853		1.53	0.85
	Back	1.844	1.092	2.007	0.009	2.95	3.86
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side					0.00	0.00
FR1 n48 Ant 4	Front		1.527	0.853		1.53	0.85



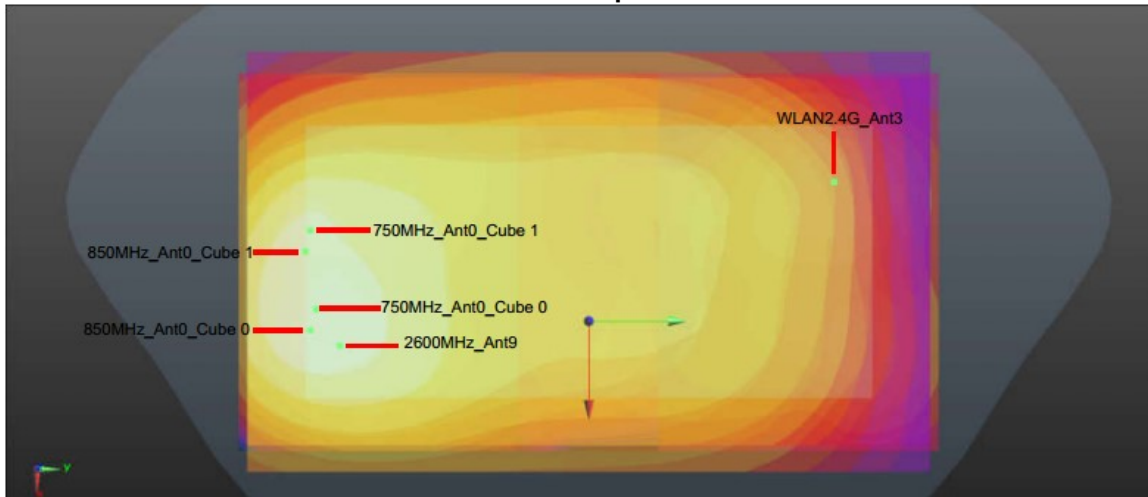
	Back	0.502	1.092	2.007	0.009	1.60	2.52
	Left side	0.878				0.88	0.88
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
	Bottom side					0.00	0.00
FR1 n48 Ant 10	Front		1.527	0.853		1.53	0.85
	Back	1.813	1.092	2.007	0.009	2.91	3.83
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
FR1 n77 Ant 4	Front	0.633	1.527	0.853		2.16	1.49
	Back	1.014	1.092	2.007	0.009	2.12	3.03
	Left side	1.554				1.55	1.55
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
FR1 n77 Ant 10	Front		1.527	0.853		1.53	0.85
	Back	1.888	1.092	2.007	0.009	2.99	3.90
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side		1.048	1.048		1.05	1.05
LTE Band 48 Ant 7	Front		1.527	0.853		1.53	0.85
	Back	0.842	1.092	2.007	0.009	1.94	2.86
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.223	1.048	1.048		2.27	2.27
FR1 n48 Ant 7	Front	0.699	1.527	0.853		2.23	1.55
	Back	1.064	1.092	2.007	0.009	2.17	3.08
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	1.361	1.048	1.048		2.41	2.41
FR1 n77 Ant 7	Front	0.653	1.527	0.853		2.18	1.51
	Back	0.794	1.092	2.007	0.009	1.90	2.81
	Left side					0.00	0.00
	Right side			1.593		0.00	1.59
	Top side	0.993	1.048	1.048		2.04	2.04
	Bottom side					0.00	0.00

17.6 SPLSR Evaluation and Analysis

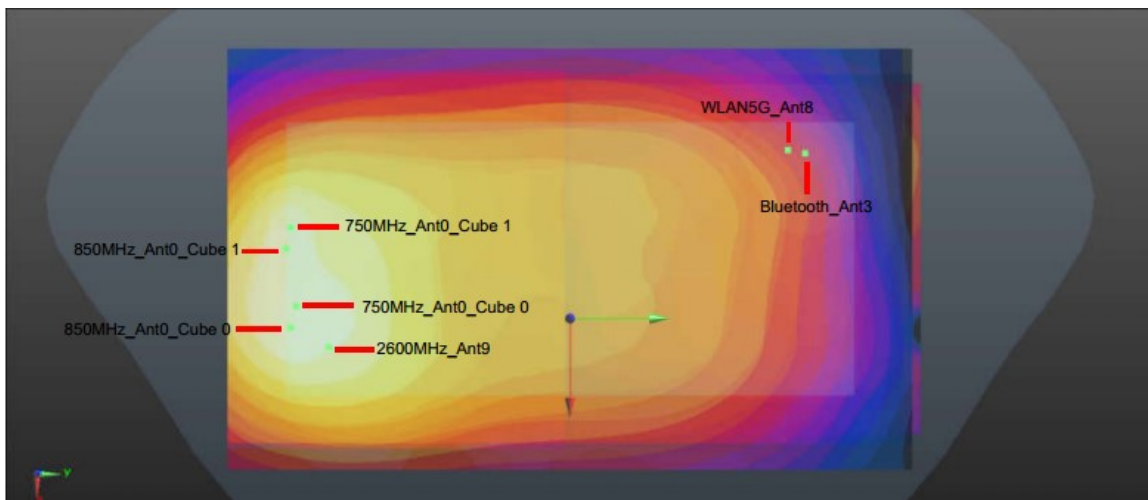
General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.

For Hotspot

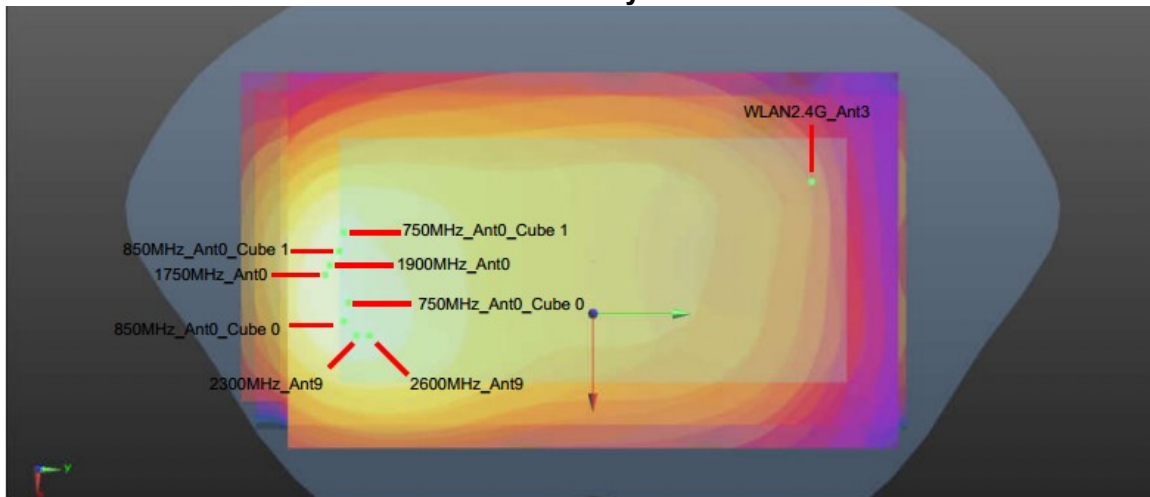


WWAN + WLAN 2.4GHz Back_5mm

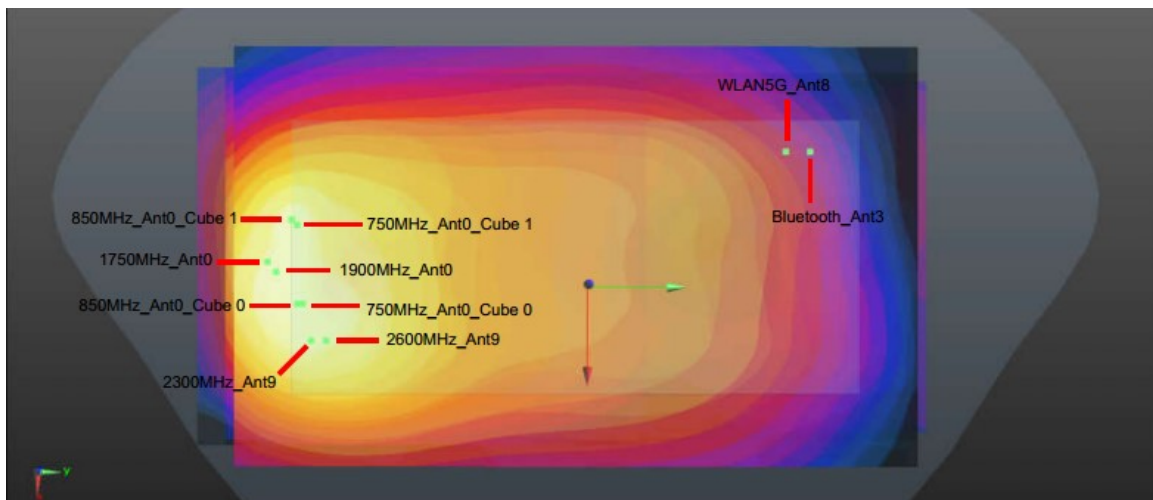


WWAN + WLAN 5GHzGHz + Bluetooth Back_5mm

For Body



WWAN + WLAN 2.4GHz Back_5mm



WWAN + WLAN 5GHzGHz + Bluetooth Back_5mm

For Hotspot

Case	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				
Case 1	GSM850 Ant 0	Back	1.074	5mm	0.0065	-0.087	-0.209	163.4	1.41	0.01	Not required
	WLAN5GHz Ant 8		0.337	5mm	-0.051	0.066	-0.209				
	GSM850 Ant 0	Back	1.074	5mm	0.0065	-0.087	-0.209	162.9	1.27	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 3_Cube 0	WCDMA V Ant 0	Back	1.126	5mm	0.0025	-0.0795	-0.209	155.0	1.46	0.01	Not required
	WLAN5GHz Ant 8		0.337	5mm	-0.051	0.066	-0.209				
	WCDMA V Ant 0	Back	1.126	5mm	0.0025	-0.0795	-0.209	154.5	1.33	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 3_Cube 1	WCDMA V Ant 0	Back	1.126	5mm	-0.004	-0.089	-0.209	162.0	1.46	0.01	Not required
	WLAN5GHz Ant 8		0.337	5mm	-0.051	0.066	-0.209				
	WCDMA V Ant 0	Back	1.126	5mm	-0.004	-0.089	-0.209	161.7	1.33	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 4	Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D	Summed	SPLSR	Simultaneous



			SAR (W/kg)	(mm)	X	Y	Z	distance (mm)	SAR (W/kg)		
				Gap	SAR peak location (m)						
		Position	SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 71 Ant 0	Back	1.067	5mm	-0.003	-0.075	-0.208	148.9	1.40	0.01	Not required
	WLAN5GHz Ant 8		0.337	5mm	-0.051	0.066	-0.209				
	LTE Band 71 Ant 0	Back	1.067	5mm	-0.003	-0.075	-0.208	148.6	1.27	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 6	Band	Back	1.223	5mm	-0.003	-0.0765	-0.207	150.4	1.56	0.01	Not required
	LTE Band 12 Ant 0		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.223	5mm	-0.003	-0.0765	-0.207	150.0	1.42	0.01	Not required
	LTE Band 12 Ant 0		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 7	Band	Back	1.094	5mm	0.0025	-0.081	-0.209	156.4	1.43	0.01	Not required
	LTE Band 13 Ant 0		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.094	5mm	0.0025	-0.081	-0.209	156.0	1.29	0.01	Not required
	LTE Band 13 Ant 0		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 8	Band	Back	1.075	5mm	-0.003	-0.076	-0.207	149.9	1.41	0.01	Not required
	LTE Band 14 Ant 0		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.075	5mm	-0.003	-0.076	-0.207	149.5	1.27	0.01	Not required
	LTE Band 14 Ant 0		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 10	Band	Back	1.126	5mm	0.0082	-0.0732	-0.207	151.3	1.46	0.01	Not required
	LTE Band 7 Ant 9		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.126	5mm	0.0082	-0.0732	-0.207	150.6	1.33	0.01	Not required
	LTE Band 7 Ant 9		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 12_Cube 0	Band	Back	1.164	5mm	0.0045	-0.078	-0.209	154.3	1.50	0.01	Not required
	FR1 n14 Ant 0		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.164	5mm	0.0045	-0.078	-0.209	153.8	1.36	0.01	Not required
	FR1 n14 Ant 0		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 12_Cube 1	Band	Back	1.164	5mm	-0.01	-0.0875	-0.209	158.9	1.50	0.01	Not required
	FR1 n14 Ant 0		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.164	5mm	-0.01	-0.0875	-0.209	158.8	1.36	0.01	Not required
	FR1 n14 Ant 0		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 15	Band	Back	1.14	5mm	0.0082	-0.0687	-0.209	147.1	1.48	0.01	Not required
	FR1 n7 Ant 9		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.14	5mm	0.0082	-0.0687	-0.209	146.4	1.34	0.01	Not required
	FR1 n7 Ant 9		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											
Case 17	Band	Back	1.13	5mm	0.0106	-0.0696	-0.209	148.9	1.47	0.01	Not required
	FR1 n41 Ant 9		0.337	5mm	-0.051	0.066	-0.209				
	WLAN5GHz Ant 8	Back	1.13	5mm	0.0106	-0.0696	-0.209	148.2	1.33	0.01	Not required
	FR1 n41 Ant 9		0.199	5mm	-0.047	0.0669	-0.209				
Bluetooth Ant 3											



Case	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				
Case 2_Cube 0	WCDMA V Ant 0	Back	1.126	5mm	0.0025	-0.0795	-0.209	155.4	1.63	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 2_Cube 1	WCDMA V Ant 0	Back	1.126	5mm	-0.004	-0.089	-0.209	163.0	1.63	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 5	LTE Band 12 Ant 0	Back	1.223	5mm	-0.003	-0.0765	-0.207	151.1	1.73	0.02	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 9	LTE Band 7 Ant 9	Back	1.126	5mm	0.0082	-0.0732	-0.207	151.0	1.63	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 11_Cube 0	FR1 n14 Ant 0	Back	1.164	5mm	0.0045	-0.078	-0.209	154.5	1.67	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 11_Cube 1	FR1 n14 Ant 0	Back	1.164	5mm	-0.01	-0.0875	-0.209	160.3	1.67	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 14	FR1 n7 Ant 9	Back	1.14	5mm	0.0082	-0.0687	-0.209	146.8	1.64	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 16	FR1 n41 Ant 9	Back	1.13	5mm	0.0106	-0.0696	-0.209	148.4	1.63	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				
Case 17	LTE Band 13 Ant 0	Back	1.094	5mm	0.0025	-0.081	-0.209	156.8	1.60	0.01	Not required
	WLAN2.4GHz Ant 3		0.504	5mm	-0.0398	0.07	-0.209				



For Body

	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				
Case 2	GSM850 Ant 0	Back	1.074	5mm	0.0065	-0.087	-0.209	154.0	1.43	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	GSM850 Ant 0	Back	1.074	5mm	0.0065	-0.087	-0.209	162.9	1.27	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 5_Cube 0	WCDMA V Ant 0	Back	1.126	5mm	0.0025	-0.0795	-0.209	145.5	1.48	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	WCDMA V Ant 0	Back	1.126	5mm	0.0025	-0.0795	-0.209	154.5	1.33	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 5_Cube 1	WCDMA V Ant 0	Back	1.126	5mm	-0.004	-0.089	-0.209	152.5	1.48	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	WCDMA V Ant 0	Back	1.126	5mm	-0.004	-0.089	-0.209	161.7	1.33	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 7	WCDMA IV Ant 0	Back	1.245	5mm	-0.0125	-0.0855	-0.209	146.9	1.60	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	WCDMA IV Ant 0	Back	1.245	5mm	-0.0125	-0.0855	-0.209	156.3	1.44	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 9	WCDMA II Ant 0	Back	1.182	5mm	-0.0155	-0.084	-0.209	144.7	1.54	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	WCDMA II Ant 0	Back	1.182	5mm	-0.0155	-0.084	-0.209	154.2	1.38	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 11	LTE Band 71 Ant 0	Back	1.067	5mm	-0.003	-0.075	-0.208	139.5	1.43	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 71 Ant 0	Back	1.067	5mm	-0.003	-0.075	-0.208	148.6	1.27	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 13	LTE Band 12 Ant 0	Back	1.223	5mm	-0.003	-0.0765	-0.207	140.9	1.58	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 12 Ant 0	Back	1.223	5mm	-0.003	-0.0765	-0.207	150.0	1.42	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 15	LTE Band 13 Ant 0	Back	1.094	5mm	0.0025	-0.081	-0.209	146.9	1.45	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 13 Ant 0	Back	1.094	5mm	0.0025	-0.081	-0.209	156.0	1.29	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 17	LTE Band 14 Ant 0	Back	1.075	5mm	-0.0015	-0.0845	-0.205	149.0	1.43	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 14 Ant 0	Back	1.075	5mm	-0.0015	-0.0845	-0.205	158.1	1.27	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				



	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				
Case 21	LTE Band 66 Ant 0	Back	1.061	5mm	-0.0125	-0.0855	-0.209	146.9	1.42	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 66 Ant 0	Back	1.061	5mm	-0.0125	-0.0855	-0.209	156.3	1.26	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 23	LTE Band 25 Ant 0	Back	1.279	5mm	-0.0125	-0.0855	-0.209	146.9	1.64	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 25 Ant 0	Back	1.279	5mm	-0.0125	-0.0855	-0.209	156.3	1.48	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 25	LTE Band 30 Ant 9	Back	1.215	5mm	0.0094	-0.073	-0.205	142.2	1.57	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 30 Ant 9	Back	1.215	5mm	0.0094	-0.073	-0.205	150.9	1.41	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 27	LTE Band 7 Ant 9	Back	1.126	5mm	0.0082	-0.0732	-0.207	141.8	1.48	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 7 Ant 9	Back	1.126	5mm	0.0082	-0.0732	-0.207	150.6	1.33	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 29	LTE Band 41 Ant 9	Back	1.138	5mm	0.013	-0.0724	-0.209	143.1	1.50	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	LTE Band 41 Ant 9	Back	1.138	5mm	0.013	-0.0724	-0.209	151.7	1.34	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 32_Cube 0	FR1 n14 Ant 0	Back	1.164	5mm	0.0045	-0.078	-0.209	144.8	1.52	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n14 Ant 0	Back	1.164	5mm	0.0045	-0.078	-0.209	153.8	1.36	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 32_Cube 1	FR1 n14 Ant 0	Back	1.164	5mm	-0.01	-0.0875	-0.209	149.4	1.52	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n14 Ant 0	Back	1.164	5mm	-0.01	-0.0875	-0.209	158.8	1.36	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 34_Cube 0	FR1 n26 Ant 0	Back	1.043	5mm	0.0045	-0.0795	-0.209	146.2	1.40	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n26 Ant 0	Back	1.043	5mm	0.0045	-0.0795	-0.209	155.2	1.24	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 34_Cube 1	FR1 n26 Ant 0	Back	1.043	5mm	-0.0115	-0.089	-0.209	150.5	1.40	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n26 Ant 0	Back	1.043	5mm	-0.0115	-0.089	-0.209	159.9	1.24	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 36	Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D	Summed	SPLSR	Simultaneous



				(mm)	X	Y	Z	distance (mm)	SAR (W/kg)		
	FR1 n70 Ant 0	Back	1.231	5mm	-0.0155	-0.088	-0.206	148.6	1.59	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n70 Ant 0	Back	1.231	5mm	-0.0155	-0.088	-0.206	158.1	1.43	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 38	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				
Case 38	FR1 n66 Ant 0	Back	1.218	5mm	-0.0155	-0.0865	-0.206	147.2	1.58	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n66 Ant 0	Back	1.218	5mm	-0.0155	-0.0865	-0.206	156.6	1.42	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 40	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				
Case 40	FR1 n25 Ant 0	Back	1.274	5mm	-0.017	-0.0855	-0.206	145.9	1.63	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n25 Ant 0	Back	1.274	5mm	-0.017	-0.0855	-0.206	155.4	1.47	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 42	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				
Case 42	FR1 n30 Ant 9	Back	1.216	5mm	0.007	-0.0706	-0.205	139.0	1.57	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n30 Ant 9	Back	1.216	5mm	0.007	-0.0706	-0.205	147.8	1.42	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
Case 44	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				
Case 44	FR1 n7 Ant 9	Back	1.274	5mm	0.002	-0.0712	-0.206	137.6	1.63	0.02	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n7 Ant 9	Back	1.274	5mm	0.002	-0.0712	-0.206	146.6	1.47	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				
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				
Case 46	FR1 n41 Ant 9	Back	1.277	5mm	0.0116	-0.082	-0.205	151.3	1.64	0.01	Not required
	WLAN5GHz Ant 8		0.358	5mm	-0.048	0.057	-0.209				
	FR1 n41 Ant 9	Back	1.277	5mm	0.0116	-0.082	-0.205	160.1	1.48	0.01	Not required
	Bluetooth Ant 3		0.199	5mm	-0.047	0.0669	-0.209				



Case	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				
Case 1	GSM850 Ant 0	Back	1.074	5mm	0.0065	-0.087	-0.209	173.6	1.75	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 3	GSM1900 Ant 0	Back	1.021	5mm	-0.0095	-0.085	-0.209	168.3	1.69	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 4_Cube 0	WCDMA V Ant 0	Back	1.126	5mm	0.0025	-0.0795	-0.209	165.3	1.80	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 4_Cube 1	WCDMA V Ant 0	Back	1.126	5mm	-0.004	-0.089	-0.209	173.2	1.80	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 6	WCDMA IV Ant 0	Back	1.245	5mm	-0.0125	-0.0855	-0.209	168.3	1.92	0.02	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 8	WCDMA II Ant 0	Back	1.182	5mm	-0.0155	-0.084	-0.209	166.4	1.86	0.02	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 10	LTE Band 71 Ant 0	Back	1.067	5mm	-0.003	-0.075	-0.208	159.7	1.74	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 12	LTE Band 12 Ant 0	Back	1.223	5mm	-0.003	-0.0765	-0.207	161.2	1.90	0.02	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 14	LTE Band 13 Ant 0	Back	1.094	5mm	0.0025	-0.081	-0.209	166.8	1.77	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 16	LTE Band 14 Ant 0	Back	1.075	5mm	-0.0015	-0.0845	-0.205	169.4	1.75	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 18	LTE Band 26 Ant 0	Back	1.015	5mm	-0.0065	-0.0845	-0.206	168.4	1.69	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 20	LTE Band 66 Ant 0	Back	1.061	5mm	-0.0125	-0.0855	-0.209	168.3	1.73	0.01	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 22	LTE Band 25 Ant 0	Back	1.279	5mm	-0.0125	-0.0855	-0.209	168.3	1.95	0.02	Not required
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 24	LTE Band 30 Ant 9	Back	1.215	5mm	0.0094	-0.073	-0.205	160.9	1.89	0.02	Not required



Case	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				
Case 26	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	160.8	1.80	0.02	Not required
	LTE Band 7 Ant 9		1.126	5mm	0.0082	-0.0732	-0.207				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 28	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	161.4	1.81	0.02	Not required
	LTE Band 41 Ant 9		1.138	5mm	0.013	-0.0724	-0.209				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 30	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	152.9	1.64	0.01	Not required
	FR1 n71 Ant 0		0.965	5mm	-0.005	-0.0685	-0.209				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 31_cube 0	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	164.4	1.84	0.02	Not required
	FR1 n14 Ant 0		1.164	5mm	0.0045	-0.078	-0.209				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 31_cube 1	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	170.7	1.84	0.01	Not required
	FR1 n14 Ant 0		1.164	5mm	-0.01	-0.0875	-0.209				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 33_cube 0	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	165.8	1.72	0.01	Not required
	FR1 n26 Ant 0		1.043	5mm	0.0045	-0.0795	-0.209				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 33_cube 1	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	171.9	1.72	0.01	Not required
	FR1 n26 Ant 0		1.043	5mm	-0.0115	-0.089	-0.209				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 35	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	170.4	1.90	0.02	Not required
	FR1 n70 Ant 0		1.231	5mm	-0.0155	-0.088	-0.206				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 37	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	168.9	1.89	0.02	Not required
	FR1 n66 Ant 0		1.218	5mm	-0.0155	-0.0865	-0.206				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 39	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	167.7	1.95	0.02	Not required
	FR1 n25 Ant 0		1.274	5mm	-0.017	-0.0855	-0.206				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 41	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	158.0	1.89	0.02	Not required
	FR1 n30 Ant 9		1.216	5mm	0.007	-0.0706	-0.205				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 43	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	157.2	1.95	0.02	Not required
	FR1 n7 Ant 9		1.274	5mm	0.002	-0.0712	-0.206				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				
Case 45	WLAN2.4GHz Ant 3	Back	0.673	5mm	-0.0372	0.081	-0.209	170.2	1.95	0.02	Not required
	FR1 n41 Ant 9		1.277	5mm	0.0116	-0.082	-0.205				
	WLAN2.4GHz Ant 3		0.673	5mm	-0.0372	0.081	-0.209				

Test Engineer : Hank Huang, Kevin Xu, David Dai, Bin He



18. 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.

19. References

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

-----THE END-----