

Head SAR Test																	
System & Position						DUT & Accessory			Power		SAR		Auto-tune is turned on		Auto-tune turned off		Auto-tune is turned back on
Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)
LTE Band 71	20M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	133322	683	0.163	0.222	16	0.222	56	0.139
LTE Band 71	20M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	133322	683	0.221	0.304	16	0.264	44	0.188
LTE Band 12	10M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	0.181	0.230	70	0.208	73	0.154
LTE Band 12	10M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	23095	707.5	0.229	0.294	72	0.280	66	0.195
LTE Band 13	10M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	23230	782	0.162	0.201	83	0.186	122	0.138
LTE Band 13	10M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	23230	782	0.163	0.192	101	0.199	46	0.139
LTE Band 14	10M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	23330	793	0.186	0.263	83	0.229	29	0.158
LTE Band 14	10M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	23330	793	0.197	0.230	100	0.237	49	0.168
FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	136100	680.5	0.104	0.129	16	0.125	68	0.089
FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	136100	680.5	0.146	0.192	16	0.176	61	0.124
FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	141500	707.5	0.109	0.134	70	0.131	57	0.093
FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	141500	707.5	0.143	0.162	72	0.172	64	0.122
FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	158600	793	0.161	0.198	83	0.194	71	0.137
FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	158600	793	0.130	0.153	100	0.156	91	0.111
GSM850					GPRS (3 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	189	836.4	0.150	0.186	1	0.197	37	0.128
GSM850					GPRS (3 Tx slots)	Left Cheek	0mm	Ant 1	DSI 2	189	836.4	0.240	0.341	135	0.341	102	0.204
WCDMA V					RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	0.162	0.192	38	0.252	7	0.138
WCDMA V					RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 2	4182	836.4	0.278	0.301	114	0.332	85	0.237
LTE Band 26	15M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	0.170	0.222	37	0.233	34	0.145
LTE Band 26	15M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	26865	831.5	0.231	0.329	115	0.325	94	0.197
FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	166300	831.5	0.133	0.146	37	0.169	24	0.113
FR1 n26	20M	QPSK	60	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	166300	831.5	0.156	0.192	115	0.220	128	0.133
WCDMA I/V					RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	1413	1732.6	0.124	0.152	9	0.149	47	0.106
LTE Band 66	20M	QPSK	1	0		Right Tilted	0mm	Ant 3	DSI 2	132572	1770	0.927	1.283	95	1.310	39	0.789
LTE Band 66	20M	QPSK	1	0		Left Cheek	0mm	Ant 0	DSI 2	132322	1745	0.076	0.112	90	0.091	89	0.065
LTE Band 66	20M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	132322	1745	0.056	0.069	20	0.067	15	0.048
FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 3	DSI 2	349000	1745	1.020	1.290	95	1.250	108	0.868
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	349000	1745	0.089	0.107	90	0.115	124	0.076
FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	349000	1745	0.032	0.038	20	0.043	37	0.027
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 3	DSI 2	340500	1702.5	0.978	1.295	77	1.250	94	0.832
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	340500	1702.5	0.068	0.092	3	0.096	88	0.058
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	340500	1702.5	0.026	0.036	72	0.031	64	0.022
GSM1900					GPRS (3 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	661	1880	0.043	0.056	88	0.061	39	0.037
WCDMA II					RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	9400	1880	0.106	0.139	88	0.155	71	0.090
LTE Band 25	20M	QPSK	1	0		Right Cheek	0mm	Ant 3	DSI 2	26140	1860	1.000	1.276	3	1.410	25	0.851
LTE Band 25	20M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	26340	1880	0.110	0.134	88	0.134	81	0.094
LTE Band 25	20M	QPSK	1	0		Right Cheek	0mm	Ant 1	DSI 2	26340	1880	0.090	0.103	55	0.123	66	0.077
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 3	DSI 2	376500	1882.5	1.030	1.285	3	1.350	18	0.877
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	376500	1882.5	0.100	0.136	88	0.140	81	0.085
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	0.076	0.099	55	0.091	75	0.065
LTE Band 30	10M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	27710	2310	0.183	0.254	29	0.259	69	0.156
LTE Band 30	10M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	27710	2310	0.183	0.238	18	0.266	48	0.156
FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	462000	2310	0.155	0.229	29	0.186	102	0.132
LTE Band 7	20M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	21100	2535	0.211	0.251	104	0.254	84	0.180
LTE Band 7	20M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	21100	2535	0.301	0.377	129	0.362	115	0.256
LTE Band 41	20M	QPSK	1	0		Right Tilted	0mm	Ant 3	DSI 2	41490	2680	0.924	1.292	68	1.310	57	0.786
LTE Band 41 HPUE	20M	QPSK	1	0		Right Cheek	0mm	Ant 0	DSI 2	40620	2593	0.183	0.261	109	0.255	39	0.156
LTE Band 41 HPUE	20M	QPSK	1	0		Left Cheek	0mm	Ant 1	DSI 2	40620	2593	0.200	0.253	129	0.288	128	0.170
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	0.189	0.245	104	0.270	59	0.161
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	0.226	0.277	129	0.272	85	0.192
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	518598	2592.99	0.988	1.288	68	1.350	84	0.801
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	0.222	0.250	104	0.311	35	0.189
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	0.186	0.214	129	0.261	106	0.158
LTE Band 42 Part 270	20M	QPSK	1	0		Right Tilted	0mm	Ant 3	DSI 2	42190	3460	1.010	1.288	48	1.430	89	0.860
LTE Band 48	20M	QPSK	1	0		Right Tilted	0mm	Ant 3	DSI 2	55340	3560	0.987	1.282	48	1.400	24	0.840
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	641666	3624.99	0.937	1.276	127	1.490	120	0.798
R1 n77 Part 270 HPL	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DSI 2	656000	3840	0.957	1.137	127	1.370	76	0.815
R1 n77 Part 27Q HPL	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	633332	3499.98	1.080	1.284	48	1.510	42	0.919

Hotspot&Extremity SAR Test																					
System & Position						DUT & Accessory			Power			SAR				Auto-tune is turned on		Auto-tune turned off		Auto-tune is turned back on	
Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)
LTE Band 71	20M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	133322	683	0.658	0.898			16	0.944	84	0.524	18	0.924
LTE Band 71	20M	QPSK	1	0		Left Side	5mm	Ant 1	DSI 7	133322	683	0.836	1.151			16	1.230	69	0.665	12	1.210
LTE Band 12	10M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	23095	707.5	0.711	0.903			70	1.010	45	0.566	75	0.987
LTE Band 12	10M	QPSK	1	0		Back	5mm	Ant 1	DSI 7	23095	707.5	0.652	0.836			72	0.933	23	0.519	70	0.911
LTE Band 13	10M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	23230	782	0.595	0.737			83	0.880	42	0.474	85	0.856
LTE Band 13	10M	QPSK	1	0		Left Side	5mm	Ant 1	DSI 7	23230	782	0.553	0.653			101	0.818	74	0.440	100	0.789
LTE Band 14	10M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	23330	793	0.643	0.908			83	0.911	76	0.512	89	0.897
LTE Band 14	10M	QPSK	1	0		Back	5mm	Ant 1	DSI 7	23330	793	0.544	0.635			100	0.805	39	0.433	99	0.795
FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	136100	680.5	0.505	0.599			16	0.747	67	0.402	16	0.711
FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	136100	680.5	0.470	0.618			16	0.682	84	0.374	12	0.671
FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	141500	707.5	0.581	0.715			70	0.814	52	0.462	75	0.808
FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 11	141500	707.5	0.414	0.462			72	0.613	39	0.330	74	0.611
FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	158600	793	0.500	0.583			83	0.711	22	0.398	89	0.689
FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 7	158600	793	0.520	0.635			100	0.761	57	0.414	102	0.723
GSM850					GPRS (3 Tx slots)	Back	5mm	Ant 0	DSI 7	189	836.4	0.552	0.684			1	0.811	68	0.439	4	0.808
GSM850					GPRS (3 Tx slots)	Back	5mm	Ant 1	DSI 7	189	836.4	0.484	0.687			135	0.714	43	0.385	129	0.675
WCDMA V					RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	4132	826.4	0.795	0.949			38	1.140	88	0.633	35	1.110
WCDMA V					RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 11	4233	846.6	0.903	0.988			114	1.350	29	0.719	120	1.250
LTE Band 26	15M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 11	26865	831.5	0.752	0.980			37	1.110	75	0.599	35	1.080
LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 1	DSI 7	26865	831.5	0.632	0.901			115	0.931	24	0.503	118	0.911
FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	166300	831.5	0.513	0.562			37	0.751	12	0.408	35	0.741
FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 7	166300	831.5	0.540	0.649			115	0.754	88	0.430	118	0.733
WCDMA IV					RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	1312	1712.4	1.060	1.289			9	1.510	74	0.844	8	1.450
LTE Band 66	20M	QPSK	1	0		Bottom Side	5mm	Ant 3	DSI 11	132322	1745	1.030	1.288			95	1.480	63	0.820	94	1.410
LTE Band 66	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	DSI 7	132572	1770	0.966	1.276			90	1.410	56	0.769	93	1.390
LTE Band 66	20M	QPSK	1	0		Left Side	5mm	Ant 1	DSI 7	132572	1770	1.070	1.269			20	1.530	29	0.852	24	1.450
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Top Side	5mm	Ant 3	DSI 7	349000	1745	0.963	1.290			95	1.420	45	0.767	89	1.370
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	1.040	1.294			90	1.530	38	0.828	93	1.510
FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	349000	1745	1.010	1.283			20	1.490	76	0.804	24	1.430
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 3	DSI 11	340500	1702.5	1.030	1.282			77	1.470	29	0.820	79	1.420
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	340500	1702.5	0.945	1.293			3	1.380	97	0.752	6	1.310
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	340500	1702.5	0.989	1.286			72	1.430	102	0.787	75	1.380
GSM1900					GPRS (3 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	661	1880	0.740	0.969			88	1.090	38	0.589	84	0.993
WCDMA II					RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9262	1852.4	0.940	1.277			88	1.310	6	0.748	86	1.250
LTE Band 25	20M	QPSK	1	0		Top Side	5mm	Ant 3	DSI 7	26340	1880	1.020	1.281			3	1.460	48	0.812	5	1.410
LTE Band 25	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	DSI 7	26340	1880	1.010	1.228			88	1.430	39	0.804	91	1.390
LTE Band 25	20M	QPSK	1	0		Left Side	5mm	Ant 1	DSI 7	26340	1880	0.947	1.283			55	1.350	115	0.754	58	1.310
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 3	DSI 7	376500	1882.5	0.990	1.290			3	1.390	7	0.788	7	1.330
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	376500	1882.5	0.952	1.290			88	1.330	82	0.758	84	1.290
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	376500	1882.5	0.968	1.288			55	1.460	50	0.771	51	1.410
LTE Band 30	10M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	27710	2310	1.040	1.294			29	1.520	47	0.828	25	1.490
LTE Band 30	10M	QPSK	1	0		Bottom Side	5mm	Ant 1	DSI 7	27710	2310	0.461	0.601			18	0.671	29	0.367	20	0.637
FR1 n30	10M	QPSK	25	14		Right Side	5mm	Ant 0	DSI 7	462000	2310	1.040	1.285			29	1.490	64	0.828	26	1.410
LTE Band 7	20M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	21350	2580	1.090	1.269			104	1.540	81	0.868	102	1.430
LTE Band 7	20M	QPSK	1	0		Left Side	5mm	Ant 1	DSI 7	20850	2510	0.966	1.227			129	1.420	73	0.769	126	1.390
LTE Band 41	20M	QPSK	1	0		Bottom Side	5mm	Ant 3	DSI 11	41490	2680	1.030	1.290			68	1.440	38	0.820	64	1.360
LTE Band 41	20M	QPSK	1	0		Right Side	5mm	Ant 0	DSI 7	41055	2636.5	1.010	1.294			109	1.410	49	0.804	105	1.340
LTE Band 41	20M	QPSK	1	0		Left Side	5mm	Ant 1	DSI 7	41490	2680	1.020	1.289			129	1.530	97	0.812	126	1.510
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	507000	2535	1.060	1.289			104	1.560	63	0.844	101	1.470
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	507000	2535	1.020	1.293			129	1.450	38	0.812	126	1.440
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 3	DSI 7	518598	2592.99	1.060	1.292			68	1.470	41	0.844	64	1.430
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 0	DSI 7	518598	2592.99	1.010	1.277			104	1.410	74	0.804	102	1.380
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 1	DSI 7	518598	2592.99	1.060	1.269			129	1.480	56	0.844	125	1.420
LTE Band 42 Part 27Q	20M	QPSK	1	0		Top Side	5mm	Ant 3	DSI 7	42190	3460	1.030	1.295			48	1.510	97	0.820	45	1.470
LTE Band 48	20M	QPSK	1	0		Bottom Side	5mm	Ant 3	DSI 11	55340	3560	1.020	1.292			48	1.470	91	0.812	56	1.430
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 3	DSI 7	641666	3624.99	0.972	1.293			127	1.410	64	0.774	127	1.370
FR1 n77 Part 27Q	100M	QPSK																			

LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	DSI 6	132572	1770			2.420	3.033	20	7.580	65	6.770	22	6.960
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI 6	349000	1745			2.440	3.158	95	7.640	71	6.820	94	7.230
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	349000	1745			1.340	1.656	90	4.190	38	3.750	88	3.920
FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	349000	1745			1.850	2.400	20	5.790	49	5.170	23	5.430
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI 6	340500	1702.5			1.760	2.007	77	5.510	118	4.920	75	5.230
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	340500	1702.5			1.470	1.978	3	4.600	17	4.110	6	4.320
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	340500	1702.5			1.600	2.209	72	5.010	44	4.470	70	4.680
WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9262	1852.4			2.100	2.775	88	6.570	38	5.870	85	6.200
LTE Band 25	20M	QPSK	1	0		Front	0mm	Ant 3	DSI 6	26140	1880			2.560	3.142	3	8.310	25	7.160	4	8.010
LTE Band 25	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	26340	1880			1.590	1.934	88	4.980	67	4.450	84	4.580
LTE Band 25	20M	QPSK	1	0		Back	0mm	Ant 1	DSI 6	26340	1880			2.370	2.715	55	7.420	38	6.630	57	6.940
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	DSI 6	376500	1882.5			2.530	3.192	3	7.920	15	7.070	6	7.450
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	376500	1882.5			1.860	2.509	88	5.820	28	5.200	89	5.360
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	376500	1882.5			1.840	2.409	55	5.970	114	5.150	55	5.760
LTE Band 30	10M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	27710	2310			1.750	2.427	29	5.480	48	4.890	33	5.120
FR1 n30	10M	QPSK	1	1		Right Side	0mm	Ant 0	DSI 4	462000	2310			1.520	2.202	29	4.760	65	4.250	24	4.440
LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	21350	2560			2.160	2.621	104	6.760	75	6.040	105	6.370
LTE Band 7	20M	QPSK	1	0		Left Side	0mm	Ant 1	DSI 6	21100	2535			1.550	1.942	129	5.270	89	4.330	123	4.850
LTE Band 41	20M	QPSK	1	0		Top Side	0mm	Ant 3	DSI 6	41490	2680			2.460	3.203	68	7.860	126	6.880	62	7.700
LTE Band 41 HPUE	20M	QPSK	1	0		Right Side	0mm	Ant 0	DSI 4	40620	2593			1.460	2.081	109	4.570	18	4.080	110	4.310
LTE Band 41 HPUE	20M	QPSK	1	0		Left Side	0mm	Ant 1	DSI 6	40620	2593			1.820	2.301	129	6.190	36	5.090	127	5.700
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	507000	2535			2.190	2.841	104	6.860	27	6.120	106	6.690
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 6	507000	2535			1.870	2.290	129	5.850	105	5.230	128	5.570
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI 6	518598	2592.99			2.470	3.189	68	7.730	89	6.910	66	7.540
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99			2.400	2.852	104	7.510	74	6.710	100	7.260
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 1	DSI 6	518598	2592.99			2.250	2.589	129	7.250	58	6.290	125	7.040
LTE Band 42 Part 27Q	20M	QPSK	1	0		Top Side	0mm	Ant 3	DSI 6	42190	3460			2.570	3.188	48	12.800	94	7.190	46	12.100
LTE Band 48	20M	QPSK	1	0		Top Side	0mm	Ant 3	DSI 6	55830	3609			1.860	2.095	48	9.560	69	5.200	50	9.350
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI 6	641666	3624.99			2.470	3.189	127	12.400	42	6.910	119	11.900
FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI 6	656000	3840			2.160	2.682	127	11.100	35	6.040	134	10.800
FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI 6	633334	3500.01			2.520	3.194	48	12.400	19	7.050	46	12.100

Body-worn SAR Test																			
System & Position								DUT & Accessory		Power		SAR		Auto-tune is turned on		Auto-tune turned off		Auto-tune is turned back on	
Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)
LTE Band 71	20M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	133322	683	0.529	0.722	16	0.761	19	0.521	15	0.695
LTE Band 71	20M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	133322	683	0.595	0.819	16	0.819	16	0.671	12	0.785
LTE Band 12	10M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	23095	707.5	0.619	0.786	70	0.902	62	0.618	66	0.885
LTE Band 12	10M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	23095	707.5	0.652	0.836	72	1.020	75	0.699	70	0.985
LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	23230	782	0.469	0.581	83	0.586	80	0.338	81	0.550
LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	23230	782	0.543	0.641	101	0.685	92	0.411	95	0.633
LTE Band 14	10M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	23330	793	0.583	0.824	83	0.689	88	0.679	85	0.685
LTE Band 14	10M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	23330	793	0.544	0.635	100	0.684	105	0.403	101	0.633
FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3	136100	680.5	0.371	0.461	16	0.687	22	0.213	19	0.631
FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 3	136100	680.5	0.388	0.490	16	0.484	13	0.240	18	0.451
FR1 n12	15M	QPSK	36	22	DFT-SCS-19KHz	Back	5mm	Ant 0	DSI 3	141500	707.5	0.402	0.495	70	0.604	45	0.245	77	0.558
FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 10	141500	707.5	0.414	0.462	72	0.583	48	0.213	75	0.542
FR1 n14	10M	QPSK	25	14	DFT-SCS-19KHz	Back	5mm	Ant 0	DSI 3	158600	793	0.500	0.583	83	0.685	12	0.340	86	0.645
FR1 n14	10M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 1	DSI 3	158600	793	0.520	0.635	100	0.684	28	0.403	100	0.662
GSM850					GPRS (3 Tx slots)	Back	5mm	Ant 0	DSI 3	189	836.4	0.552	0.684	1	0.685	64	0.468	1	0.683
GSM850					GPRS (3 Tx slots)	Back	5mm	Ant 1	DSI 3	189	836.4	0.484	0.687	135	0.689	56	0.472	135	0.685
WCDMA V					RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4132	826.4	0.675	0.806	38	0.848	29	0.650	39	0.786
WCDMA V					RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4233	846.6	0.781	0.854	114	1.070	28	0.729	120	0.982
LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	26865	831.5	0.735	0.958	37	1.040	102	0.918	33	0.985
LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	26865	831.5	0.632	0.901	115	0.967	57	0.812	121	0.922
FR1 n26	20M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	DSI 3	166300	831.5	0.512	0.597	37	0.685	89	0.356	35	0.652
FR1 n26	20M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 1	DSI 3	166300	831.5	0.540	0.649	115	0.685	27	0.421	118	0.655
WCDMA IV					RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	1312	1712.4	0.987	1.220	9	1.190	58	1.190	5	1.150
LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 3	DSI 3	132322	1745	0.950	1.273	95	1.340	28	1.040	94	1.280
LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	132072	1720	0.932	1.272	90	1.280	74	1.000	98	1.210
LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	132072	1720	1.030	1.270	20	1.460	67	1.060	15	1.340
FR1 n66	45M	QPSK	120	60	DFT-SCS-19KHz	Front	5mm	Ant 3	DSI 3	349000	1745	1.030	1.294	95	1.580	43	0.752	92	1.490
FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3	349000	1745	1.050	1.268	90	1.430	27	0.813	90	1.410
FR1 n66	45M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 1	DSI 3	349000	1745	1.050	1.192	20	1.120	68	0.982	18	1.090
FR1 n70	15M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 3	DSI 3	340500	1702.5	0.953	1.087	77	1.310	124	0.690	75	1.250
FR1 n70	15M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	DSI 3	340500	1702.5	1.030	1.294	3	1.450	47	0.597	3	1.380
FR1 n70	15M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 1	DSI 3	340500	1702.5	1.050	1.292	72	1.390	38	0.633	77	1.310
GSM1900					GPRS (3 Tx slots)	Back	5mm	Ant 0	DSI 3	661	1880	0.355	0.465	88	0.523	61	0.388	89	0.505
WCDMA II					RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	9400	1880	0.979	1.288	88	1.350	27	0.595	86	1.310
LTE Band 25	20M	QPSK	1	0		Front	5mm	Ant 3	DSI 10	26590	1905	0.962	1.274	3	0.865	78	0.743	6	0.859
LTE Band 25	20M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	26140	1860	0.963	1.182	88	1.440	36	0.751	85	1.410
LTE Band 25	20M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	26140	1860	0.923	1.074	55	0.996	94	0.735	57	0.980
FR1 n25	40M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 3	DSI 3	376500	1882.5	1.010	1.286	3	1.280	48	0.883	4	1.250
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3	376500	1882.5	0.811	1.094	88	1.100	34	0.882	83	1.020
FR1 n25	40M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 1	DSI 3	376500	1882.5	0.939	1.229	55	1.450	22	1.050	57	1.430
LTE Band 30	10M	QPSK	1	0		Back	5mm	Ant 0	DSI 3	27710	2310	0.860	1.193	29	1.490	84	1.140	29	1.410
LTE Band 30	10M	QPSK	1	0		Back	5mm	Ant 1	DSI 3	27710	2310	0.388	0.506	18	0.708	64	0.456	15	0.644
FR1 n30	10M	QPSK	1	1		Back	5mm	Ant 0	DSI 3	462000	2310	0.724	1.049	29	1.260	99	0.626	24	1.150
LTE Band 7	20M	QPSK	1	0		Front	5mm	Ant 0	DSI 3	21350	2560	0.955	1.159	104	1.280	48	0.534	101	1.230
LTE Band 7	20M	QPSK	1	0		Front	5mm	Ant 1	DSI 3	21100	2535	0.489	0.613	129	0.726	36	0.300	125	0.713
LTE Band 41	20M	QPSK	1	0		Back	5mm	Ant 3	DSI 3	41490	2680	0.986	1.284	68	1.350	87	0.636	67	1.310
LTE Band 41	20M	QPSK	1	0		Front	5mm	Ant 0	DSI 3	41490	2680	0.975	1.299	109	1.450	38	0.600	104	1.430
LTE Band 41 HPUE	20M	QPSK	1	0		Front	5mm	Ant 1	DSI 3	41490	2680	0.702	0.906	129	0.964	28	0.528	122	0.910
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 3	507000	2535	0.949	1.231	104	1.320	17	0.782	101	1.310
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 3	507000	2535	0.837	1.025	129	1.250	29	0.701	135	1.210
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	DSI 3	518598	2592.99	1.070	1.289	68	1.390	42	0.886	61	1.340
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	DSI 3	518598	2592.99	0.964	1.277	104	1.320	78	1.030	107	1.280
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	DSI 3	518598	2592.99	0.951	1.128	129	1.390	65	0.963	122	1.310
LTE Band 42 Part 27Q	20M	QPSK	1	0		Front	5mm	Ant 3	DSI 3	42190	3460	0.960	1.247	48	1.420	98	1.200	44	1.390
LTE Band 48	20M	QPSK	1	0		Back	5mm	Ant 3	DSI 3	55340	3560	1.050	1.188	48	1.780	74	1.070	56	1.660
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 3	641666	3624.99	1.040	1.268	127	1.450	68	1.080	131	1.340
FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 3	656000	3840	0.962	1.151	127	1.520	124	1.100	127	1.480
FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 3	633334	3500.01	1.050	1.277	48	1.470	44	1.150	46	1.430