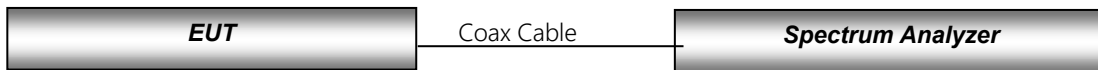


Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission mode with the same maximum output power specification, powers were measured for the largest channel Bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel Bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-Band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-Band channels, due to an even number of channels, both channels were measured.

Test Configuration



11.6 Bluetooth Maximum Conducted Power

The Burst Averaged-conducted power

Mode	Channel	Max. Average Conducted Power [dBm]	
		Ant.1	Ant.2
DH5	0	18.88	17.10
	39	18.62	17.55
	78	18.47	16.12
2-DH5	0	16.06	13.87
	39	15.74	15.15
	78	15.52	13.90
3-DH5	0	16.08	13.86
	39	15.79	15.20
	78	15.54	13.87

Per October 2016 TCB Workshop Notes:

When call box and Bluetooth protocol are used for Bluetooth SAR measurement, time-domain plot is required to identify duty factor for supporting the test setup and result.

Bluetooth duty cycle was measured using Bluetooth tester equipment (CBT / R&S) with Bluetooth.

Bluetooth DH 5 Mode



Duty Cycle

$$= (\text{BT-On time} / \text{BT-Full time}) = (2.879 / 3.740) = 0.770 \text{ (DH5)}$$

BT DH5 Maximum Duty Factor:

The theoretical maximum duty cycle defined by chipset manufacturer is 78 %. In the ideal theory Duty Cycle, the test error tolerance [1%] of the test equipment was considered and applied to the measurement results. The duty cycle of DH5 measured by DUT was 77.0%, and the duty cycle was compensated by applying test error tolerance 1%. For more information on BT, please refer to the technical description document.

12. System Verification

12.1 Tissue Verification

The head simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity.

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/19/2024	19.9	13H	12	0.731	53.962	0.750	55.000	-2.53	-1.89
			13	0.736	54.085	0.750	55.000	-1.87	-1.66
			14	0.740	54.124	0.750	55.000	-1.33	-1.59
03/18/2024	20.0	750H	705	0.916	41.926	0.889	42.174	3.00	-0.59
			710	0.919	41.850	0.890	42.148	3.30	-0.71
			750	0.928	41.246	0.893	41.940	3.92	-1.65
03/19/2024	19.8	750H	705	0.898	42.286	0.889	42.174	1.02	0.27
			710	0.904	42.270	0.890	42.148	1.52	0.29
			750	0.915	42.476	0.893	41.940	2.46	1.28
03/12/2024	20.7	750H	705	0.867	43.409	0.889	42.174	-2.52	2.93
			710	0.872	43.335	0.890	42.148	-2.04	2.82
			750	0.915	42.748	0.893	41.940	2.46	1.93
04/18/2024	24.0	750H	705	0.867	43.897	0.889	42.174	-2.50	4.09
			710	0.872	43.823	0.890	42.148	-2.02	3.97
			750	0.915	43.238	0.893	41.940	2.46	3.09
03/14/2024	20.5	750H	750	0.894	42.752	0.893	41.940	0.11	1.94
			785	0.929	42.241	0.896	41.758	3.68	1.16
04/19/2024	21.8	750H	750	0.906	42.736	0.893	41.940	1.46	1.90
			785	0.923	42.228	0.896	41.758	3.01	1.13
03/16/2024	19.4	750H	750	0.894	42.746	0.893	41.940	0.11	1.92
			785	0.932	42.241	0.896	41.758	4.02	1.16
03/17/2024	19.7	750H	750	0.869	42.741	0.893	41.940	-2.69	1.91
			785	0.888	42.233	0.896	41.758	-0.89	1.14
03/07/2024	22.9	835H	820	0.913	41.831	0.899	41.577	1.52	0.61
			835	0.931	41.581	0.900	41.500	3.44	0.20
			850	0.941	41.264	0.916	41.500	2.77	-0.57
02/29/2024	21.8	835H	820	0.897	41.827	0.899	41.577	-0.21	0.60
			835	0.915	41.563	0.900	41.500	1.67	0.15
			850	0.926	41.296	0.916	41.500	1.07	-0.49
03/21/2024	19.6	835H	820	0.920	40.974	0.920	42.079	0.03	-2.63
			835	0.936	40.760	0.936	41.875	0.00	-2.66
			850	0.949	40.501	0.951	41.674	-0.24	-2.81
03/20/2024	19.8	835H	820	0.897	40.975	0.920	42.079	-2.50	-2.62
			835	0.912	40.785	0.936	41.875	-2.56	-2.60
			850	0.927	40.484	0.951	41.674	-2.53	-2.86

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/04/2024	20.4	1800H	1710	1.319	41.702	1.348	40.144	-2.18	3.88
			1750	1.414	41.283	1.371	40.080	3.14	3.00
			1800	1.414	41.283	1.400	40.000	0.97	3.21
03/13/2024	21.6	1800H	1710	1.331	41.455	1.348	40.144	-1.24	3.27
			1750	1.373	41.291	1.371	40.080	0.11	3.02
			1800	1.427	41.068	1.400	40.000	1.93	2.67
03/11/2024	23.7	1800H	1710	1.330	41.545	1.348	40.144	-1.33	3.49
			1750	1.372	41.390	1.371	40.080	0.06	3.27
			1800	1.425	41.170	1.400	40.000	1.79	2.93
04/18/2024	22.5	1800H	1710	1.319	41.524	1.348	40.144	-2.12	3.44
			1750	1.351	41.376	1.371	40.080	-1.45	3.23
			1800	1.384	41.157	1.400	40.000	-1.14	2.89
04/19/2024	22.9	1800H	1710	1.330	41.533	1.348	40.144	-1.37	3.46
			1750	1.361	41.391	1.371	40.080	-0.76	3.27
			1800	1.404	41.168	1.400	40.000	0.29	2.92
04/24/2024	22.2	1800H	1710	1.311	41.561	1.348	40.144	-2.74	3.53
			1750	1.352	41.418	1.371	40.080	-1.38	3.34
			1800	1.405	41.196	1.400	40.000	0.36	2.99
04/23/2024	22.5	1800H	1710	1.324	41.388	1.348	40.144	-1.76	3.10
			1750	1.372	41.289	1.371	40.080	0.04	3.02
			1800	1.423	40.991	1.400	40.000	1.64	2.48
04/11/2024	18.4	1900H	1850	1.408	40.03	1.400	40.000	0.57	0.08
			1900	1.454	39.816	1.400	40.000	3.86	-0.45
			1910	1.461	39.750	1.400	40.000	4.36	-0.63
03/06/2024	22.8	1900H	1850	1.390	39.845	1.400	40.000	-0.74	-0.39
			1900	1.434	39.618	1.400	40.000	2.43	-0.95
			1910	1.442	39.580	1.400	40.000	3.00	-1.05
03/05/2024	21.2	1900H	1850	1.356	39.108	1.400	40.000	-3.14	-2.23
			1900	1.437	39.202	1.400	40.000	2.64	-2.00
			1910	1.410	38.807	1.400	40.000	0.72	-2.98
03/29/2024	22.0	1900H	1850	1.331	39.092	1.400	40.000	-4.96	-2.27
			1900	1.377	38.835	1.400	40.000	-1.64	-2.91
			1910	1.389	38.775	1.400	40.000	-0.77	-3.06
03/28/2024	21.0	1900H	1850	1.336	39.139	1.400	40.000	-4.58	-2.15
			1900	1.379	38.890	1.400	40.000	-1.50	-2.77
			1910	1.391	38.767	1.400	40.000	-0.63	-3.08
04/07/2024	22.8	1900H	1850	1.345	39.167	1.400	40.000	-3.93	-2.08
			1900	1.392	38.954	1.400	40.000	-0.57	-2.61
			1910	1.401	38.907	1.400	40.000	0.08	-2.73
04/08/2024	23.2	1900H	1850	1.345	39.168	1.400	40.000	-3.93	-2.08
			1900	1.392	38.953	1.400	40.000	-0.57	-2.62
			1910	1.401	38.906	1.400	40.000	0.08	-2.74
03/31/2024	21.8	1900H	1850	1.341	38.967	1.400	40.000	-4.22	-2.58
			1900	1.389	38.800	1.400	40.000	-0.79	-3.00
			1910	1.401	38.714	1.400	40.000	0.09	-3.22

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/03/2024	23.1	2300H	2300	1.718	39.306	1.667	39.470	3.06	-0.42
			2310	1.727	39.268	1.676	39.452	3.04	-0.47
04/04/2024	23.8	2300H	2300	1.718	39.303	1.667	39.470	3.06	-0.42
			2310	1.726	39.265	1.676	39.452	2.98	-0.47
04/08/2024	21.7	2300H	2300	1.718	39.300	1.667	39.470	3.06	-0.43
			2310	1.726	39.261	1.676	39.452	2.98	-0.48
04/09/2024	22.1	2300H	2300	1.718	39.304	1.667	39.470	3.06	-0.42
			2310	1.726	39.266	1.676	39.452	2.98	-0.47
04/05/2024	23.5	2300H	2300	1.718	39.300	1.667	39.470	3.06	-0.43
			2310	1.726	39.263	1.676	39.452	2.98	-0.48
03/04/2024	21.3	2450H	2 400	1.799	39.150	1.756	39.290	2.45	-0.36
			2 450	1.838	39.196	1.800	39.200	2.11	-0.01
			2 500	1.883	39.280	1.855	39.140	1.51	0.36
03/05/2024	21.7	2450H	2 400	1.798	39.160	1.756	39.290	2.39	-0.33
			2 450	1.838	39.205	1.800	39.200	2.11	0.01
			2 500	1.882	39.290	1.855	39.140	1.46	0.38
03/06/2024	20.9	2450H	2 400	1.799	39.150	1.756	39.290	2.45	-0.36
			2 450	1.838	39.203	1.800	39.200	2.11	0.01
			2 500	1.882	39.290	1.855	39.140	1.46	0.38
03/07/2024	20.6	2450H	2 400	1.798	39.150	1.756	39.290	2.39	-0.36
			2 450	1.838	39.201	1.800	39.200	2.11	0.00
			2 500	1.882	39.290	1.855	39.140	1.46	0.38
04/01/2024	22.3	2600H	2500	1.89	39.023	1.855	39.140	1.89	-0.30
			2600	1.986	38.598	1.964	39.010	1.12	-1.06
			2690	2.068	38.165	2.062	38.894	0.29	-1.87
04/02/2024	24.0	2600H	2500	1.89	39.016	1.855	39.140	1.89	-0.32
			2600	1.986	38.586	1.964	39.010	1.12	-1.09
			2690	2.068	38.149	2.062	38.894	0.29	-1.92
04/06/2024	21.3	2600H	2500	1.89	39.015	1.855	39.140	1.89	-0.32
			2600	1.985	38.586	1.964	39.010	1.07	-1.09
			2690	2.068	38.159	2.062	38.894	0.29	-1.89
04/07/2024	21.6	2600H	2500	1.89	39.018	1.855	39.140	1.89	-0.31
			2600	1.986	38.585	1.964	39.010	1.12	-1.09
			2690	2.068	38.155	2.062	38.894	0.29	-1.90
02/28/2024	20.0	2600H	2 500	1.883	39.274	1.855	39.140	1.51	0.34
			2 600	2.008	39.139	1.964	39.010	2.24	0.33
			2 690	2.114	38.337	2.062	38.894	2.52	-1.43
02/29/2024	19.8	2600H	2 500	1.883	39.271	1.855	39.140	1.51	0.33
			2 600	2.008	39.135	1.964	39.010	2.24	0.32
			2 690	2.113	38.340	2.062	38.894	2.47	-1.42
04/22/2024	21.5	2600H	2 500	1.882	39.277	1.855	39.140	1.46	0.35
			2 600	2.007	39.139	1.964	39.010	2.19	0.33
			2 690	2.113	38.339	2.062	38.894	2.47	-1.43
04/23/2024	21.6	2600H	2 500	1.882	39.279	1.855	39.140	1.46	0.36
			2 600	2.007	39.142	1.964	39.010	2.19	0.34
			2 690	2.113	38.341	2.062	38.894	2.47	-1.42

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/12/2024	19.2	3500H-3700H	3 500	2.914	37.938	2.913	37.93	0.03	0.02
			3 550	2.956	37.864	2.964	37.87	-0.27	-0.02
			3 650	3.041	37.759	3.066	37.76	-0.82	0.00
			3 700	3.085	37.709	3.118	37.77	-1.06	-0.16
03/13/2024	19.3	3500H-3700H	3 500	2.916	37.944	2.913	37.93	0.10	0.04
			3 550	2.958	37.869	2.964	37.87	-0.20	0.00
			3 650	3.043	37.761	3.066	37.76	-0.75	0.00
			3 700	3.087	37.727	3.118	37.77	-0.99	-0.11
02/28/2024	19.8	5180H-5320H	5 180	4.502	36.662	4.635	36.010	-2.87	1.81
			5 250	4.631	36.471	4.706	35.930	-1.59	1.51
			5 280	4.683	36.462	4.737	35.894	-1.14	1.58
			5 320	4.736	36.516	4.778	35.846	-0.88	1.87
03/04/2024	21.2	5500H-5600H	5 500	4.863	36.373	4.963	35.640	-2.01	2.06
			5 600	4.927	36.110	5.065	35.530	-2.72	1.63
			5 750	5.143	35.956	5.219	35.360	-1.46	1.69
03/06/2024	20.3	5750H-5825H	5 750	5.173	36.065	5.219	35.360	-0.88	1.99
			5 800	5.135	36.092	5.270	35.300	-2.56	2.24
			5 825	5.125	36.059	5.296	35.270	-3.23	2.24
03/08/2024	19.7	5800H-5885H	5 800	5.215	36.076	5.270	35.300	-1.04	2.20
			5 835	5.260	36.009	5.306	35.258	-0.87	2.13
			5 845	5.210	35.979	5.316	35.246	-1.99	2.08
			5 855	5.215	35.948	5.326	35.235	-2.08	2.02
			5 865	5.223	35.912	5.337	35.225	-2.14	1.95
			5 875	5.232	35.870	5.347	35.215	-2.15	1.86
			5 885	5.241	35.828	5.357	35.205	-2.17	1.77
02/29/2024	21.1	5180H-5320H	5 180	4.531	37.165	4.635	36.010	-2.24	3.21
			5 250	4.665	37.009	4.706	35.930	-0.87	3.00
			5 280	4.712	37.024	4.737	35.894	-0.53	3.15
			5 320	4.756	37.063	4.778	35.846	-0.46	3.40
03/05/2024	20.6	5500H-5600H	5 500	4.962	36.408	4.963	35.640	-0.02	2.15
			5 600	5.035	36.181	5.065	35.530	-0.59	1.83
			5 750	5.240	36.016	5.219	35.360	0.40	1.86
03/07/2024	19.5	5750H-5825H	5 750	5.246	36.014	5.219	35.360	0.52	1.85
			5 800	5.208	35.997	5.270	35.300	-1.18	1.97
			5 825	5.197	35.943	5.296	35.270	-1.87	1.91
03/11/2024	20.2	5800H-5885H	5 800	5.163	36.069	5.270	35.300	-2.03	2.18
			5835	5.151	35.987	5.306	35.258	-2.92	2.07
			5 845	5.153	35.952	5.316	35.246	-3.07	2.00
			5 855	5.157	35.915	5.326	35.235	-3.17	1.93
			5 865	5.163	35.875	5.337	35.225	-3.26	1.85
			5 875	5.172	35.835	5.347	35.215	-3.27	1.76
			5 885	5.182	35.795	5.357	35.205	-3.27	1.68

◆ 5G NR SUB 6

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/21/2024	19.4	750H	705	0.894	42.999	0.889	42.174	0.56	1.96
			710	0.899	42.925	0.890	42.148	1.01	1.84
			750	0.936	42.332	0.893	41.940	4.82	0.93
03/22/2024	20.0	750H	705	0.886	42.894	0.889	42.174	-0.34	1.71
			710	0.891	42.820	0.890	42.148	0.11	1.59
			750	0.936	42.227	0.893	41.940	4.82	0.68
03/23/2024	20.2	750H	705	0.882	42.624	0.889	42.174	-0.79	1.07
			710	0.888	42.547	0.890	42.148	-0.22	0.95
			750	0.928	41.938	0.893	41.940	3.92	0.00
04/18/2024	23.1	750H	705	0.866	43.500	0.889	42.174	-2.59	3.14
			710	0.872	43.426	0.890	42.148	-2.02	3.03
			750	0.915	42.839	0.893	41.940	2.46	2.14
03/25/2024	20.5	835H	820	0.907	40.904	0.899	41.577	0.89	-1.62
			835	0.925	40.704	0.900	41.500	2.78	-1.92
			850	0.937	40.433	0.916	41.500	2.29	-2.57
03/26/2024	20.3	835H	820	0.906	40.905	0.899	41.577	0.78	-1.62
			835	0.921	40.701	0.900	41.500	2.33	-1.93
			850	0.935	40.456	0.916	41.500	2.07	-2.52
03/29/2024	19.1	1640H	1640	1.244	41.868	1.307	40.255	-4.82	4.01
			1690	1.292	41.703	1.336	40.176	-3.29	3.80
			1700	1.301	41.625	1.342	40.160	-3.06	3.65
03/30/2024	19.4	1640H	1640	1.244	41.869	1.307	40.255	-4.82	4.01
			1690	1.292	41.698	1.336	40.176	-3.29	3.79
			1700	1.310	41.638	1.342	40.160	-2.38	3.68
04/19/2024	22	1640H	1640	1.244	41.864	1.307	40.255	-4.82	4.00
			1690	1.292	41.707	1.336	40.176	-3.29	3.81
			1700	1.300	41.638	1.342	40.160	-3.13	3.68
04/20/2024	22.4	1640H	1640	1.244	41.864	1.307	40.255	-4.82	4.00
			1690	1.292	41.705	1.336	40.176	-3.29	3.81
			1700	1.299	41.646	1.342	40.160	-3.20	3.70
04/06/2024	20.5	1800H	1710	1.330	41.625	1.348	40.144	-1.33	3.69
			1750	1.371	41.461	1.371	40.080	0.01	3.45
			1800	1.425	41.231	1.400	40.000	1.79	3.08
04/07/2024	20.1	1800H	1710	1.329	41.612	1.348	40.144	-1.38	3.66
			1750	1.371	41.461	1.371	40.080	0.01	3.45
			1800	1.424	41.235	1.400	40.000	1.71	3.09
04/13/2024	21.0	1800H	1710	1.291	41.651	1.348	40.144	-4.26	3.75
			1750	1.325	41.520	1.371	40.080	-3.37	3.59
			1800	1.355	40.477	1.400	40.000	-3.21	1.19
04/20/2024	22.8	1800H	1710	1.329	41.641	1.348	40.144	-1.43	3.73
			1750	1.370	41.48	1.371	40.080	-0.08	3.49
			1800	1.423	41.261	1.400	40.000	1.64	3.15
04/21/2024	21.5	1800H	1710	1.330	41.637	1.348	40.144	-1.36	3.72
			1750	1.370	41.487	1.371	40.080	-0.10	3.51
			1800	1.423	41.264	1.400	40.000	1.64	3.16

Table for Head Tissue Verification

Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/09/2024	18.9	1900H	1850	1.398	41.008	1.400	40.000	-0.17	2.52
			1900	1.449	40.825	1.400	40.000	3.50	2.06
			1910	1.459	40.786	1.400	40.000	4.21	1.96
04/10/2024	19.6	1900H	1850	1.397	40.978	1.400	40.000	-0.19	2.44
			1900	1.448	40.803	1.400	40.000	3.43	2.01
			1910	1.458	40.767	1.400	40.000	4.15	1.92
04/13/2024	21.0	1900H	1850	1.410	41.090	1.400	40.000	0.73	2.72
			1900	1.438	40.087	1.400	40.000	2.71	0.22
			1910	1.463	40.882	1.400	40.000	4.50	2.20
04/03/2024	19.1	1900H	1850	1.375	41.048	1.400	40.000	-1.77	2.62
			1900	1.426	40.877	1.400	40.000	1.86	2.19
			1910	1.436	40.844	1.400	40.000	2.54	2.11
04/14/2024	21.3	1900H	1850	1.376	41.059	1.400	40.000	-1.71	2.65
			1900	1.427	40.885	1.400	40.000	1.93	2.21
			1910	1.437	40.846	1.400	40.000	2.64	2.12
04/22/2024	22.5	1900H	1850	1.397	40.255	1.400	40.000	-0.20	0.64
			1900	1.438	40.087	1.400	40.000	2.71	0.22
			1910	1.448	40.054	1.400	40.000	3.41	0.14
04/08/2024	20.8	2300H	2300	1.718	39.297	1.667	39.470	3.06	-0.44
			2310	1.727	39.259	1.676	39.452	3.03	-0.49
04/09/2024	20.0	2300H	2300	1.719	39.299	1.667	39.470	3.12	-0.43
			2310	1.727	39.261	1.676	39.452	3.06	-0.48
04/12/2024	20.7	2300H	2300	1.718	39.295	1.667	39.470	3.06	-0.44
			2310	1.727	39.259	1.676	39.452	3.03	-0.49
04/10/2024	20.2	2300H	2300	1.718	39.300	1.667	39.470	3.06	-0.43
			2310	1.727	39.262	1.676	39.452	3.02	-0.48
04/11/2024	19.2	2300H	2300	1.718	39.299	1.667	39.470	3.06	-0.43
			2310	1.727	39.261	1.676	39.452	3.04	-0.48
04/04/2024	18.6	2 600H	2500	1.882	39.290	1.855	39.140	1.44	0.38
			2600	2.007	39.153	1.964	39.010	2.19	0.37
			2690	2.114	38.348	2.062	38.894	2.52	-1.40
04/05/2024	18.8	2 600H	2500	1.877	39.334	1.855	39.140	1.16	0.49
			2600	2.009	39.088	1.964	39.010	2.29	0.20
			2690	2.110	38.332	2.062	38.894	2.34	-1.44
04/06/2024	19.0	2 600H	2500	1.881	39.302	1.855	39.140	1.38	0.41
			2600	2.007	39.156	1.964	39.010	2.19	0.37
			2690	2.114	38.341	2.062	38.894	2.52	-1.42
04/07/2024	19.6	2 600H	2500	1.881	39.307	1.855	39.140	1.38	0.43
			2600	2.006	39.156	1.964	39.010	2.14	0.37
			2690	2.115	38.354	2.062	38.894	2.55	-1.39

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/14/2024	22.1	2 600H	2 500	1.857	39.947	1.855	39.140	0.11	2.06
			2 600	1.981	39.810	1.964	39.010	0.87	2.05
			2 690	2.086	39.010	2.062	38.894	1.16	0.30
03/15/2024	22.9	2 600H	2 500	1.882	39.282	1.855	39.140	1.46	0.36
			2 600	2.007	39.141	1.964	39.010	2.19	0.34
			2 690	2.113	38.337	2.062	38.894	2.47	-1.43
04/09/2024	19.7	2 600H	2 500	1.881	39.304	1.855	39.140	1.40	0.42
			2 600	2.008	39.154	1.964	39.010	2.24	0.37
			2 690	2.114	38.350	2.062	38.894	2.52	-1.40
04/22/2024	24.2	2 600H	2 500	1.883	39.277	1.855	39.140	1.51	0.35
			2 600	2.008	39.141	1.964	39.010	2.24	0.34
			2 690	2.114	38.340	2.062	38.894	2.52	-1.42
04/23/2024	24.6	2 600H	2 500	1.883	39.273	1.855	39.140	1.51	0.34
			2 600	2.008	39.139	1.964	39.010	2.24	0.33
			2 690	2.114	38.336	2.062	38.894	2.52	-1.43
03/19/2024	22.2	2 600H	2 500	1.882	39.273	1.855	39.140	1.46	0.34
			2 600	2.007	39.134	1.964	39.010	2.19	0.32
			2 690	2.113	38.333	2.062	38.894	2.47	-1.44
03/18/2024	22.1	2 600H	2 500	1.883	39.268	1.855	39.140	1.51	0.33
			2 600	2.008	39.139	1.964	39.010	2.24	0.33
			2 690	2.113	38.336	2.062	38.894	2.47	-1.43
03/20/2024	22.5	2 600H	2 500	1.883	39.270	1.855	39.140	1.51	0.33
			2 600	2.008	39.139	1.964	39.010	2.24	0.33
			2 690	2.114	38.337	2.062	38.894	2.52	-1.43
03/18/2024	20.4	3500H-3700H	3 500	2.919	37.961	2.913	37.930	0.21	0.08
			3 550	2.962	37.894	2.964	37.870	-0.07	0.06
			3 650	3.046	37.785	3.066	37.760	-0.65	0.07
			3 700	3.094	37.742	3.118	37.770	-0.77	-0.07
03/19/2024	19.2	3500H-3700H	3 500	2.917	37.948	2.913	37.930	0.14	0.05
			3 550	2.961	37.885	2.964	37.870	-0.10	0.04
			3 650	3.044	37.779	3.066	37.760	-0.72	0.05
03/20/2024	19.0	3500H-3700H	3 700	3.091	37.728	3.118	37.770	-0.87	-0.11
			3 500	2.917	37.967	2.913	37.930	0.14	0.10
			3 550	2.960	37.888	2.964	37.870	-0.13	0.05
			3 650	3.048	37.790	3.066	37.760	-0.59	0.08
03/21/2024	20.2	3500H-3700H	3 700	3.088	37.739	3.118	37.770	-0.96	-0.08
			3 500	2.917	37.969	2.913	37.930	0.14	0.10
			3 550	2.966	37.918	2.964	37.870	0.07	0.13
			3 650	3.051	37.816	3.066	37.760	-0.49	0.15
03/22/2024	20.5	3500H-3700H	3 700	3.091	37.743	3.118	37.770	-0.87	-0.07
			3 500	2.923	37.991	2.913	37.930	0.34	0.16
			3 550	2.970	37.927	2.964	37.870	0.20	0.15
			3 650	3.053	37.828	3.066	37.760	-0.42	0.18
03/22/2024	20.5	3500H-3700H	3 700	3.092	37.759	3.118	37.770	-0.83	-0.03

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/15/2024	20.4	3500H	3400	2.841	38.094	2.810	38.040	1.10	0.14
			3500	2.911	37.905	2.913	37.930	-0.07	-0.07
			3550	2.952	37.828	2.964	37.870	-0.40	-0.11
03/14/2024	19.4	3500H	3400	2.842	38.122	2.810	38.040	1.14	0.22
			3500	2.914	37.938	2.913	37.930	0.03	0.02
			3550	2.956	37.864	2.964	37.870	-0.27	-0.02
03/21/2024	22.1	3500H	3400	2.836	37.947	2.810	38.040	0.93	-0.24
			3500	2.906	37.765	2.913	37.930	-0.24	-0.44
			3550	2.948	37.692	2.964	37.870	-0.54	-0.47
03/22/2024	22.2	3500H	3400	2.836	37.961	2.810	38.040	0.93	-0.21
			3500	2.907	37.778	2.913	37.930	-0.21	-0.40
			3550	2.948	37.701	2.964	37.870	-0.54	-0.45
03/25/2024	22.3	3500H	3400	2.836	37.959	2.810	38.040	0.93	-0.21
			3500	2.907	37.764	2.913	37.930	-0.21	-0.44
			3550	2.948	37.693	2.964	37.870	-0.54	-0.47
03/15/2024	20.4	3700H-3970	3700	3.083	37.677	3.118	37.700	-1.12	-0.06
			3750	3.122	37.655	3.169	37.640	-1.48	0.04
			3800	3.160	37.624	3.220	37.590	-1.86	0.09
			3900	3.227	37.464	3.233	37.470	-0.19	-0.02
			3970	3.287	37.331	3.394	37.390	-3.15	-0.16
03/14/2024	19.4	3700H-3970	3700	3.085	37.709	3.118	37.700	-1.06	0.02
			3750	3.124	37.686	3.169	37.640	-1.42	0.12
			3800	3.162	37.653	3.220	37.590	-1.80	0.17
			3900	3.229	37.491	3.233	37.470	-0.12	0.06
			3970	3.289	37.362	3.394	37.390	-3.09	-0.07
03/21/2024	22.1	3700H-3970	3700	3.078	37.546	3.118	37.700	-1.28	-0.41
			3750	3.117	37.521	3.169	37.640	-1.64	-0.32
			3800	3.154	37.486	3.220	37.590	-2.05	-0.28
			3900	3.221	37.324	3.233	37.470	-0.37	-0.39
			3970	3.280	37.194	3.394	37.390	-3.36	-0.52
03/22/2024	22.2	3700H-3970	3700	3.078	37.552	3.118	37.700	-1.28	-0.39
			3750	3.118	37.529	3.169	37.640	-1.61	-0.29
			3800	3.155	37.496	3.220	37.590	-2.02	-0.25
			3900	3.221	37.335	3.233	37.470	-0.37	-0.36
			3970	3.280	37.199	3.394	37.390	-3.36	-0.51
03/25/2024	22.3	3700H-3970	3700	3.078	37.544	3.118	37.700	-1.28	-0.41
			3750	3.117	37.521	3.169	37.640	-1.64	-0.32
			3800	3.155	37.488	3.220	37.590	-2.02	-0.27
			3900	3.221	37.329	3.233	37.470	-0.37	-0.38
			3970	3.281	37.199	3.394	37.390	-3.33	-0.51

12.2 System Verification

Input Power: 50 mW

Freq.	Date	Probe	Dipole	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Deviation	Limit
[MHz]		(S/N)	(S/N)		[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
750	03/18/2024	7702	1014	Head	20.1	20.0	8.59	0.441	8.82	+ 2.68	± 10
750	03/19/2024	7702		Head	19.9	19.8	8.59	0.436	8.72	+ 1.51	± 10
750	03/12/2024	7702		Head	21.0	20.7	8.59	0.432	8.64	+ 0.58	± 10
750	04/18/2024	7702		Head	24.1	24.0	8.59	0.433	8.66	+ 0.81	± 10
750	03/14/2024	7702		Head	20.7	20.5	8.59	0.422	8.44	- 1.75	± 10
750	04/19/2024	7702		Head	22.0	21.8	8.59	0.43	8.60	+ 0.12	± 10
750	03/16/2024	7702		Head	19.5	19.4	8.59	0.423	8.46	- 1.51	± 10
750	03/17/2024	7702		Head	19.8	19.7	8.59	0.413	8.26	- 3.84	± 10
835	03/07/2024	7681	4d165	Head	23.0	22.9	9.74	0.533	10.66	+ 9.45	± 10
835	02/29/2024	7681		Head	21.9	21.8	9.74	0.512	10.24	+ 5.13	± 10
835	03/21/2024	7702		Head	19.7	19.6	9.74	0.479	9.58	- 1.64	± 10
835	03/20/2024	7702		Head	19.8	19.8	9.74	0.468	9.36	- 3.90	± 10
1800	03/04/2024	7681	2d015	Head	20.5	20.4	37.8	1.76	35.2	- 6.88	± 10
1800	03/13/2024	7680		Head	21.9	21.6	37.8	1.89	37.8	0.00	± 10
1800	03/11/2024	7680		Head	23.0	23.0	37.8	1.90	38.0	+ 0.53	± 10
1800	04/18/2024	7680		Head	22.8	22.5	37.8	1.85	37.0	- 2.12	± 10
1800	04/19/2024	7680		Head	23.0	22.9	37.8	1.88	37.60	- 0.53	± 10
1800	04/24/2024	7680		Head	22.4	22.2	37.8	1.9	38.0	+ 0.53	± 10
1900	03/05/2024	7681	5d032	Head	21.3	21.2	40.2	1.94	38.8	- 3.48	± 10
1900	03/06/2024	7681		Head	22.9	22.8	40.2	1.93	38.6	- 3.98	± 10
1900	04/11/2024	7681		Head	18.5	18.4	40.2	2.05	41.0	+ 1.99	± 10
1900	03/29/2024	7680		Head	22.1	22.0	40.2	1.96	39.2	- 2.49	± 10
1900	03/28/2024	7680		Head	21.0	21.0	40.2	1.96	39.2	- 2.49	± 10
1900	04/07/2024	7680		Head	23.0	22.8	40.2	1.98	39.6	- 1.49	± 10
1900	04/08/2024	7680		Head	23.3	23.2	40.2	1.98	39.6	- 1.49	± 10
2300	04/03/2024	7654	1010	Head	23.4	23.1	48.3	2.53	50.6	+ 4.76	± 10
2300	04/04/2024	7654		Head	24.0	23.8	48.3	2.52	50.4	+ 4.35	± 10
2300	04/08/2024	7654		Head	21.9	21.7	48.3	2.52	50.4	+ 4.35	± 10
2300	04/09/2024	7654		Head	22.2	22.1	48.3	2.52	50.4	+ 4.35	± 10
2450	03/04/2024	7654	1049	Head	21.4	21.3	52.7	2.40	48.0	- 8.92	± 10
2450	03/05/2024	7654		Head	21.8	21.7	52.7	2.69	53.8	+ 2.09	± 10
2450	03/06/2024	7654		Head	21.0	20.9	52.7	2.50	50.0	- 5.12	± 10
2450	03/07/2024	7654		Head	20.7	20.6	52.7	2.49	49.8	- 5.50	± 10
2600	04/01/2024	7654	1106	Head	22.5	22.3	55.6	2.63	52.6	- 5.40	± 10
2600	04/02/2024	7654		Head	24.1	24.0	55.6	2.64	52.8	- 5.04	± 10
2600	04/06/2024	7654		Head	21.5	21.3	55.6	2.62	52.4	- 5.76	± 10
2600	04/07/2024	7654		Head	21.9	21.6	55.6	2.63	52.6	- 5.40	± 10

Freq.	Date	Probe	Dipole	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Deviation	Limit
[MHz]		(S/N)	(S/N)		[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
2 600	02/28/2024	7622	1106	Head	20.2	20.0	55.6	2.59	51.8	- 6.83	± 10
2 600	02/29/2024	7622		Head	19.9	19.8	55.6	2.60	52.0	- 6.47	± 10
2 600	04/22/2024	7622		Head	21.5	21.5	55.6	2.65	53.0	- 4.68	± 10
2 600	04/23/2024	7622		Head	21.6	21.6	55.6	2.65	53.0	- 4.68	± 10
3 500	03/12/2024	7622	1132	Head	19.2	19.2	65.1	3.10	62.0	- 4.76	± 10
3 500	03/13/2024	7622		Head	19.4	19.3	65.1	3.11	62.2	- 4.45	± 10
3 700	03/12/2024	7622	1105	Head	19.2	19.2	67.1	3.24	64.8	- 3.43	± 10
3 700	03/13/2024	7622		Head	19.4	19.3	67.1	3.26	65.2	- 2.83	± 10
5 250	02/28/2024	7751	1317	Head	19.9	19.8	78.8	3.83	76.6	- 2.79	± 10
5 600	03/04/2024	7751		Head	21.3	21.2	81.2	3.86	77.2	- 4.93	± 10
5 750	03/06/2024	7751		Head	20.4	20.3	77.4	3.78	75.6	- 2.33	± 10
5 800	03/08/2024	7751		Head	19.8	19.7	76.9	3.80	76.0	- 1.17	± 10
5 250	02/29/2024	7751		Head	21.2	21.1	78.8	3.86	77.2	- 2.03	± 10
5 600	03/05/2024	7751		Head	20.7	20.6	81.2	4.27	85.4	+ 5.17	± 10
5 750	03/07/2024	7751		Head	19.6	19.5	77.4	3.74	74.8	-3.36	± 10
5 800	03/11/2024	7751		Head	20.3	20.2	76.9	3.77	75.4	-1.95	± 10

◆ 5G NR SUB 6

Input Power: 50 mW

Freq.	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Deviation	Limit
[MHz]					[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
750	03/21/2024	7370	1014	Head	19.5	19.4	8.59	0.421	8.42	-1.98	± 10
750	03/22/2024	7370		Head	20.1	20.0	8.59	0.424	8.48	-1.28	± 10
750	03/23/2024	7370		Head	20.3	20.2	8.59	0.42	8.40	-2.21	± 10
750	04/18/2024	7370		Head	23.4	23.1	8.59	0.411	8.22	-4.31	± 10
835	03/25/2024	7370	4d165	Head	20.6	20.5	9.74	0.487	9.74	0.00	± 10
835	03/26/2024	7370		Head	20.4	20.3	9.74	0.469	9.38	-3.70	± 10
1 640	03/29/2024	7370	345	Head	19.2	19.1	33.8	1.69	33.8	0.00	± 10
1 640	03/30/2024	7370		Head	19.5	19.4	33.8	1.69	33.8	0.00	± 10
1 640	04/19/2024	7370		Head	22.2	22.0	33.8	1.69	33.8	0.00	± 10
1 640	04/20/2024	7370		Head	22.5	22.4	33.8	1.7	34.0	+ 0.59	± 10
1 800	04/06/2024	7681	2d015	Head	20.7	20.5	37.8	1.76	35.2	-6.88	± 10
1 800	04/07/2024	7681		Head	20.2	20.1	37.8	1.75	35.0	-7.41	± 10
1 800	04/20/2024	7680		Head	22.9	22.8	37.8	1.93	38.6	+ 2.12	± 10
1 800	04/21/2024	7680		Head	21.6	21.5	37.8	1.92	38.4	+ 1.59	± 10
1 900	04/09/2024	7681	5d032	Head	19.0	18.9	40.2	1.97	39.4	-1.99	± 10
1 900	04/10/2024	7681		Head	19.8	19.6	40.2	1.95	39.0	-2.99	± 10
1 900	04/03/2024	7370		Head	19.3	19.1	40.2	1.94	38.8	-3.48	± 10
1 900	04/14/2024	7370		Head	21.6	21.3	40.2	1.92	38.4	-4.48	± 10
2 300	04/08/2024	7679	1010	Head	20.9	20.8	48.3	2.48	49.6	+ 2.69	± 10
2 300	04/09/2024	7679		Head	20.2	20.0	48.3	2.48	49.6	+ 2.69	± 10
2 300	04/10/2024	7679		Head	20.5	20.2	48.3	2.47	49.4	+ 2.28	± 10
2 300	04/11/2024	7679		Head	19.3	19.2	48.3	2.49	49.8	+ 3.11	± 10
2 600	04/04/2024	7370	1106	Head	18.9	18.6	55.6	2.8	56.0	+ 0.72	± 10
2 600	04/05/2024	7370		Head	18.9	18.8	55.6	2.8	56.0	+ 0.72	± 10
2 600	04/06/2024	7370		Head	19.1	19.0	55.6	2.8	56.0	+ 0.72	± 10
2 600	04/07/2024	7370		Head	19.8	19.6	55.6	2.79	55.8	+ 0.36	± 10
2 600	03/14/2024	3903		Head	22.1	22.1	55.6	2.78	55.6	+ 0.00	± 10
2 600	03/15/2024	3903		Head	22.9	22.9	55.6	2.82	56.4	+ 1.44	± 10
2 600	04/22/2024	3903		Head	24.2	24.2	55.6	2.66	53.2	- 4.32	± 10
2 600	04/23/2024	3903		Head	24.6	24.6	55.6	2.83	56.6	+ 1.80	± 10
2 600	03/19/2024	3903		Head	22.3	22.2	55.6	2.84	56.8	+ 2.16	± 10
2 600	03/18/2024	3903		Head	22.2	22.1	55.6	2.84	56.8	+ 2.16	± 10
2 600	03/20/2024	3903		Head	22.7	22.5	55.6	2.84	56.8	+ 2.16	± 10
3 500	03/18/2024	7622		1132	Head	20.5	20.4	65.1	3.09	61.8	- 5.07
3 500	03/19/2024	7622	Head		19.2	19.2	65.1	3.10	62.0	- 4.76	± 10
3 500	03/20/2024	7622	Head		19.1	19.0	65.1	3.32	66.4	+ 2.00	± 10
3 500	03/21/2024	7622	Head		20.2	20.2	65.1	3.28	65.6	+ 0.77	± 10
3 500	03/22/2024	7622	Head		20.6	20.5	65.1	3.30	66.0	+ 1.38	± 10
3 500	03/15/2024	7622	Head		20.5	20.4	65.1	3.28	65.6	+ 0.77	± 10
3 500	03/14/2024	7622	Head		19.6	19.4	65.1	3.3	66.0	+ 1.38	± 10
3 500	03/21/2024	3903	Head		22.3	22.1	65.1	3.21	64.2	- 1.38	± 10
3 500	03/22/2024	3903	Head		22.4	22.2	65.1	3.2	64.0	- 1.69	± 10
3 500	03/25/2024	3903	Head		22.4	22.3	65.1	3.19	63.8	- 2.00	± 10

Freq.	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Deviation	Limit	
[MHz]					[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]	
3 700	03/18/2024	7622	1105	Head	20.5	20.4	67.1	3.19	63.8	- 4.92	± 10	
3 700	03/19/2024	7622		Head	19.2	19.2	67.1	3.24	64.8	- 3.43	± 10	
3 700	03/20/2024	7622		Head	19.1	19.0	67.1	3.3	66.0	- 1.64	± 10	
3 700	03/21/2024	7622		Head	20.2	20.2	67.1	3.25	65.0	- 3.13	± 10	
3 700	03/22/2024	7622		Head	20.6	20.5	67.1	3.23	64.6	- 3.73	± 10	
3 700	03/15/2024	7622		Head	20.5	20.4	67.1	3.34	66.8	- 0.45	± 10	
3 700	03/14/2024	7622		Head	19.6	19.4	67.1	3.43	68.6	+ 2.24	± 10	
3 700	03/21/2024	3903		Head	22.3	22.1	67.1	3.36	67.2	+ 0.15	± 10	
3 700	03/22/2024	3903		Head	22.4	22.2	67.1	3.37	67.4	+ 0.45	± 10	
3 700	03/25/2024	3903		Head	22.4	22.3	67.1	3.36	67.2	+ 0.15	± 10	
3 900	03/15/2024	7622		1019	Head	20.5	20.4	69.7	3.47	69.4	- 0.43	± 10
3 900	03/14/2024	7622			Head	19.6	19.4	69.7	3.49	69.8	+ 0.14	± 10
3 900	03/21/2024	3903	Head		22.3	22.1	69.7	3.20	64.0	- 8.18	± 10	
3 900	03/22/2024	3903	Head		22.4	22.2	69.7	3.23	64.6	- 7.32	± 10	
3 900	03/25/2024	3903	Head		22.4	22.3	69.7	3.21	64.2	- 7.89	± 10	

◆ System Verification Results – Extremity SAR

Input Power: 50 mW

Freq.	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{10g} (SPEAG)	50mW Measured SAR _{10g}	1 W Normalized SAR _{10g}	Deviation	Limit
[MHz]					[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
13	03/19/2024	3076	1016	Head	20.0	19.9	0.343	0.018	0.36	+ 4.96	± 10
1 800	04/23/2024	7680	2d015	Head	22.8	22.5	19.7	1.00	20.0	+ 1.52	± 10
1 800	04/24/2024	7680		Head	22.4	22.2	19.7	1.01	20.2	+ 2.54	± 10
1 800	04/13/2024	7681		Head	21.1	21.0	19.7nb	1.02	20.4	+ 3.55	± 10
1 900	03/05/2024	7681		5d032	Head	21.3	21.2	21.0	1.02	20.4	- 2.86
1 900	03/31/2024	7680	Head		22.0	21.8	21.0	1.03	20.6	- 1.90	± 10
1 900	04/13/2024	7681	Head		21.1	21.0	21.0	1.02	20.4	-2.86	± 10
1 900	04/22/2024	7680	Head		22.6	22.5	21.0	1.00	20.0	- 4.76	± 10
2 300	04/05/2024	7654	1010	Head	23.7	23.5	23.6	1.21	24.2	+ 2.54	± 10
2 300	04/12/2024	7679		Head	20.9	20.7	23.6	1.15	23.0	- 2.54	± 10
2 450	03/07/2024	7654	1049	Head	20.7	20.6	24.6	1.15	23.0	- 6.50	± 10
2 600	04/09/2024	3797	1106	Head	19.8	19.7	25.1	1.30	26.0	+ 3.59	± 10
5 250	02/28/2024	7751	1317	Head	19.9	19.8	22.6	1.11	22.2	-1.77	± 10
5 600	03/04/2024	7751		Head	21.3	21.2	23.0	1.09	21.8	-5.22	± 10
5 800	03/08/2024	7751		Head	19.8	19.7	21.8	1.08	21.6	-0.92	± 10
5 250	02/29/2024	7751		Head	21.2	21.1	22.6	1.12	22.4	-0.88	± 10
5 600	03/05/2024	7751		Head	20.7	20.6	23.0	1.23	24.6	6.96	± 10
5 800	03/11/2024	7751		Head	20.3	20.2	21.8	1.08	21.6	-0.92	± 10

12.3 System Verification Procedure

SAR measurement was prior to assessment, the system is verified to the $\pm 10\%$ of the specifications at each frequency Band by using the system verification kit. (Graphic Plots Attached)

- Cabling the system, using the verification kit equipment.
- Generate about 50 mW Input level from the signal generator to the Dipole Antenna.
- Dipole antenna was placed below the flat phantom.
- The measured one-gram SAR at the surface of the phantom above the dipole feed-point should be within 10 % of the target reference value.
- The results are normalized to 1 W input power.

Note;

SAR Verification was performed according to the FCC KDB 865664 D01v01r04.

13. SAR Test Data Summary

13.1 SAR Measurement Results

GSM 850 Head SAR													
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)						(W/kg)	
836.6	190	GSM Voice	A	31.0	30.47	-0.16	Left Touch	1:8.3		0.095	1.130	0.107	-
836.6	190	GSM Voice	A	31.0	30.47	-0.15	Left Tilt	1:8.3		0.060	1.130	0.068	-
836.6	190	GSM Voice	A	31.0	30.47	0.10	Right Cheek	1:8.3		0.111	1.130	0.125	-
836.6	190	GSM Voice	A	31.0	30.47	0.18	Right Tilt	1:8.3		0.049	1.130	0.055	-
836.6	190	GPRS 4Tx	A	27.0	26.24	-0.09	Left Touch	1:2.07		0.130	1.191	0.155	-
836.6	190	GPRS 4Tx	A	27.0	26.24	-0.17	Left Tilt	1:2.07		0.067	1.191	0.080	-
836.6	190	GPRS 4Tx	A	27.0	26.24	0.15	Right Cheek	1:2.07		0.150	1.191	0.179	A1
836.6	190	GPRS 4Tx	A	27.0	26.24	0.11	Right Tilt	1:2.07		0.063	1.191	0.075	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

GSM 1900 Head SAR													
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)						(W/kg)	
1880	661	GSM Voice	A	29.0	28.09	0.00	Left Touch	1:8.3		0.029	1.233	0.036	A2
1880	661	GSM Voice	A	29.0	28.09	0.10	Left Tilt	1:8.3		0.00949	1.233	0.012	-
1880	661	GSM Voice	A	29.0	28.09	-0.07	Right Touch	1:8.3		0.00789	1.233	0.010	-
1880	661	GSM Voice	A	29.0	28.09	0.12	Right Tilt	1:8.3		0.010	1.233	0.012	-
1880	661	GPRS 4Tx	A	24.5	23.47	0.00	Left Touch	1:2.07		0.018	1.268	0.023	-
1880	661	GPRS 4Tx	A	24.5	23.47	-0.07	Left Tilt	1:2.07		0.00679	1.268	0.009	-
1880	661	GPRS 4Tx	A	24.5	23.47	0.09	Right Touch	1:2.07		0.014	1.268	0.018	-
1880	661	GPRS 4Tx	A	24.5	23.47	-0.08	Right Tilt	1:2.07		0.017	1.268	0.022	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

UMTS Band 5 Head SAR													
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)						(W/kg)	
836.6	4183	RMC	A	23.4	22.61	-0.11	Left Touch	1:1		0.155	1.199	0.186	-
836.6	4183	RMC	A	23.4	22.61	-0.11	Left Tilt	1:1		0.097	1.199	0.116	-
836.6	4183	RMC	A	23.4	22.61	0.16	Right Touch	1:1		0.197	1.199	0.236	A3
836.6	4183	RMC	A	23.4	22.61	0.19	Right Tilt	1:1		0.091	1.199	0.109	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

UMTS Band 4 Head SAR

Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)				(W/kg)		(W/kg)	
1732.4	1412	RMC	A	22.4	21.63	0.17	Left Touch	1:1		0.054	1.194	0.064	A4
1732.4	1412	RMC	A	22.4	21.63	0.17	Left Tilt	1:1		0.024	1.194	0.029	-
1732.4	1412	RMC	A	22.4	21.63	-0.14	Right Touch	1:1		0.048	1.194	0.057	-
1732.4	1412	RMC	A	22.4	21.63	0.11	Right Tilt	1:1		0.027	1.194	0.032	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

UMTS Band 2 Head SAR

Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)				(W/kg)		(W/kg)	
1880	9400	RMC	A	21.9	21.09	-0.16	Left Touch	1:1		0.052	1.205	0.063	A5
1880	9400	RMC	A	21.9	21.09	0.10	Left Tilt	1:1		0.011	1.205	0.013	-
1880	9400	RMC	A	21.9	21.09	0.10	Right Touch	1:1		0.015	1.205	0.018	-
1880	9400	RMC	A	21.9	21.09	0.04	Right Tilt	1:1		0.017	1.205	0.020	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

LTE FDD Band 7 Head SAR

Frequency		Mode	Ant.	Band width (MHz)	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.				(dBm)	(dBm)	(dB)		(dB)	(dB)	(dB)			Size		(W/kg)	
2510	20850	QPSK	B	20	22.3	22.00	0.00	Left Touch	0	1	0	1:1		0.033	1.072	0.035	-
2510	20850	QPSK	B	20	21.3	20.80	0.00	Left Touch	1	50	0	1:1		0.019	1.122	0.021	-
2510	20850	QPSK	B	20	22.3	22.00	0.00	Left Tilt	0	1	0	1:1		0	1.072	0.000	-
2510	20850	QPSK	B	20	21.3	20.80	-0.17	Left Tilt	1	50	0	1:1		0.00637	1.122	0.007	-
2510	20850	QPSK	B	20	22.3	22.00	0.00	Right Touch	0	1	0	1:1		0.021	1.072	0.023	-
2510	20850	QPSK	B	20	21.3	20.80	0.00	Right Touch	1	50	0	1:1		0.018	1.122	0.020	-
2510	20850	QPSK	B	20	22.3	22.00	-0.16	Right Tilt	0	1	0	1:1		0.029	1.072	0.031	-
2510	20850	QPSK	B	20	21.3	20.80	0.15	Right Tilt	1	50	0	1:1		0.020	1.122	0.022	-
2535	21100	QPSK	I	20	16.0	14.54	0.14	Left Touch	0	1	0	1:1		0.641	1.400	0.897	-
2510	20850	QPSK	I	20	16.0	14.44	-0.07	Left Touch	0	1	49	1:1		0.575	1.432	0.823	-
2560	21350	QPSK	I	20	16.0	14.51	0.08	Left Touch	0	1	0	1:1		0.714	1.409	1.006	-
2535	21100	QPSK	I	20	16.0	14.54	0.12	Left Touch	0	50	0	1:1		0.666	1.400	0.932	-
2510	20850	QPSK	I	20	16.0	14.47	-0.15	Left Touch	0	50	0	1:1		0.596	1.422	0.848	-
2560	21350	QPSK	I	20	16.0	14.47	0.11	Left Touch	0	50	0	1:1		0.736	1.422	1.047	A6
2510	20850	QPSK	I	20	16.0	14.51	0.16	Left Touch	0	100	0	1:1		0.607	1.409	0.855	-
2535	21100	QPSK	I	20	16.0	14.54	0.15	Left Tilt	0	1	0	1:1		0.108	1.400	0.151	-
2535	21100	QPSK	I	20	16.0	14.54	0.16	Left Tilt	0	50	0	1:1		0.112	1.400	0.157	-
2535	21100	QPSK	I	20	16.0	14.54	0.00	Right Touch	0	1	0	1:1		0.153	1.400	0.214	-
2535	21100	QPSK	I	20	16.0	14.54	0.01	Right Touch	0	50	0	1:1		0.159	1.400	0.223	-
2535	21100	QPSK	I	20	16.0	14.54	0.09	Right Tilt	0	1	0	1:1		0.031	1.400	0.043	-
2535	21100	QPSK	I	20	16.0	14.54	0.04	Right Tilt	0	50	0	1:1		0.032	1.400	0.045	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram										

LTE FDD Band 12 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																
707.5	23095	QPSK	A	10	24.5	23.85	-0.12	Left Touch	0	1	0	1:1		0.153	1.161	0.178	-
707.5	23095	QPSK	A	10	23.5	22.81	-0.12	Left Touch	1	25	0	1:1		0.115	1.172	0.135	-
707.5	23095	QPSK	A	10	24.5	23.85	-0.02	Left Tilt	0	1	0	1:1		0.093	1.161	0.108	-
707.5	23095	QPSK	A	10	23.5	22.81	-0.18	Left Tilt	1	25	0	1:1		0.071	1.172	0.083	-
707.5	23095	QPSK	A	10	24.5	23.85	-0.15	Right Touch	0	1	0	1:1		0.176	1.161	0.204	A7
707.5	23095	QPSK	A	10	23.5	22.81	0.13	Right Touch	1	25	0	1:1		0.133	1.172	0.156	-
707.5	23095	QPSK	A	10	24.5	23.85	-0.17	Right Tilt	0	1	0	1:1		0.108	1.161	0.125	-
707.5	23095	QPSK	A	10	23.5	22.81	0.02	Right Tilt	1	25	0	1:1		0.081	1.172	0.095	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 13 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																
782	23230	QPSK	A	10	24.3	23.49	0.15	Left Touch	0	1	24	1:1		0.161	1.205	0.194	-
782	23230	QPSK	A	10	23.3	22.49	0.19	Left Touch	1	25	12	1:1		0.123	1.205	0.148	-
782	23230	QPSK	A	10	24.3	23.49	0.19	Left Tilt	0	1	24	1:1		0.107	1.205	0.129	-
782	23230	QPSK	A	10	23.3	22.49	0.15	Left Tilt	1	25	12	1:1		0.081	1.205	0.098	-
782	23230	QPSK	A	10	24.3	23.49	0.09	Right Touch	0	1	24	1:1		0.185	1.205	0.223	A8
782	23230	QPSK	A	10	23.3	22.49	0.14	Right Touch	1	25	12	1:1		0.132	1.205	0.159	-
782	23230	QPSK	A	10	24.3	23.49	0.12	Right Tilt	0	1	24	1:1		0.101	1.205	0.122	-
782	23230	QPSK	A	10	23.3	22.49	0.12	Right Tilt	1	25	12	1:1		0.075	1.205	0.090	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 14 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																
793	23330	QPSK	A	10	24.0	23.17	0.16	Left Touch	0	1	0	1:1		0.142	1.211	0.172	-
793	23330	QPSK	A	10	23.0	22.16	0.09	Left Touch	1	25	0	1:1		0.127	1.213	0.154	-
793	23330	QPSK	A	10	24.0	23.17	-0.15	Left Tilt	0	1	0	1:1		0.095	1.211	0.115	-
793	23330	QPSK	A	10	23.0	22.16	0.12	Left Tilt	1	25	0	1:1		0.084	1.213	0.102	-
793	23330	QPSK	A	10	24.0	23.17	0.14	Right Touch	0	1	0	1:1		0.194	1.211	0.235	A9
793	23330	QPSK	A	10	23.0	22.16	-0.16	Right Touch	1	25	0	1:1		0.160	1.213	0.194	-
793	23330	QPSK	A	10	24.0	23.17	0.04	Right Tilt	0	1	0	1:1		0.095	1.211	0.115	-
793	23330	QPSK	A	10	23.0	22.16	0.13	Right Tilt	1	25	0	1:1		0.083	1.213	0.101	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 25 (PCS) Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB	RB	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																
1905	26590	QPSK	A	20	23.3	22.71	0.13	Left Touch	0	1	0	1:1		0.076	1.146	0.087	-
1905	26590	QPSK	A	20	22.3	21.41	0.00	Left Touch	1	50	49	1:1		0.061	1.227	0.075	-
1905	26590	QPSK	A	20	23.3	22.71	0.19	Left Tilt	0	1	0	1:1		0.023	1.146	0.026	-
1905	26590	QPSK	A	20	22.3	21.41	0.19	Left Tilt	1	50	49	1:1		0.025	1.227	0.031	-
1905	26590	QPSK	A	20	23.3	22.71	-0.14	Right Touch	0	1	0	1:1		0.022	1.146	0.025	-
1905	26590	QPSK	A	20	22.3	21.41	0.00	Right Touch	1	50	49	1:1		0.033	1.227	0.040	-
1905	26590	QPSK	A	20	23.3	22.71	-0.13	Right Tilt	0	1	0	1:1		0.019	1.146	0.022	-
1905	26590	QPSK	A	20	22.3	21.41	0.16	Right Tilt	1	50	49	1:1		0.014	1.227	0.017	-
1905	26590	QPSK	I	20	16.00	15.39	0.10	Left Touch	0	1	0	1:1		0.524	1.151	0.603	A10
1860	26140	QPSK	I	20	16.00	15.20	0.12	Left Touch	0	50	0	1:1		0.479	1.202	0.576	-
1905	26590	QPSK	I	20	16.00	15.39	0.17	Left Tilt	0	1	0	1:1		0.100	1.151	0.115	-
1860	26140	QPSK	I	20	16.00	15.20	0.12	Left Tilt	0	50	0	1:1		0.098	1.202	0.118	-
1905	26590	QPSK	I	20	16.00	15.39	-0.16	Right Touch	0	1	0	1:1		0.217	1.151	0.250	-
1860	26140	QPSK	I	20	16.00	15.20	0.16	Right Touch	0	50	0	1:1		0.203	1.202	0.244	-
1905	26590	QPSK	I	20	16.00	15.39	0.12	Right Tilt	0	1	0	1:1		0.042	1.151	0.048	-
1860	26140	QPSK	I	20	16.00	15.20	0.12	Right Tilt	0	50	0	1:1		0.043	1.202	0.052	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 26 (Cell) Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB	RB	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																
831.5	26865	QPSK	A	15	24.5	23.87	-0.11	Left Touch	0	1	36	1:1		0.180	1.156	0.208	-
831.5	26865	QPSK	A	15	23.5	22.76	0.05	Left Touch	1	36	18	1:1		0.132	1.186	0.157	-
831.5	26865	QPSK	A	15	24.5	23.87	0.08	Left Tilt	0	1	36	1:1		0.115	1.156	0.133	-
831.5	26865	QPSK	A	15	23.5	22.76	0.17	Left Tilt	1	36	18	1:1		0.083	1.186	0.098	-
831.5	26865	QPSK	A	15	24.5	23.87	0.14	Right Touch	0	1	36	1:1		0.221	1.156	0.255	A11
831.5	26865	QPSK	A	15	23.5	22.76	-0.18	Right Touch	1	36	18	1:1		0.171	1.186	0.203	-
831.5	26865	QPSK	A	15	24.5	23.87	-0.03	Right Tilt	0	1	36	1:1		0.108	1.156	0.125	-
831.5	26865	QPSK	A	15	23.5	22.76	0.18	Right Tilt	1	36	18	1:1		0.078	1.186	0.093	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 30 Head SAR

Frequency		Mode	Ant.	Band width (MHz)	Tune- Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.																
2 310	27710	QPSK	B	10	21.5	20.69	0.01	Left Touch	0	1	24	1:1		0.033	1.205	0.040	-
2 310	27710	QPSK	B	10	20.5	19.61	0.00	Left Touch	1	25	24	1:1		0.024	1.227	0.029	-
2 310	27710	QPSK	B	10	21.5	20.69	0.04	Left Tilt	0	1	24	1:1		0.00908	1.205	0.011	-
2 310	27710	QPSK	B	10	20.5	19.61	-0.09	Left Tilt	1	25	24	1:1		0.00363	1.227	0.004	-
2 310	27710	QPSK	B	10	21.5	20.69	0.00	Right Touch	0	1	24	1:1		0.017	1.205	0.028	-
2 310	27710	QPSK	B	10	20.5	19.61	0.00	Right Touch	1	25	24	1:1		0.017	1.227	0.021	-
2 310	27710	QPSK	B	10	21.5	20.69	-0.07	Right Tilt	0	1	24	1:1		0.034	1.205	0.041	-
2 310	27710	QPSK	B	10	20.5	19.61	0.05	Right Tilt	1	25	24	1:1		0.028	1.227	0.034	-
2 310	27710	QPSK	I	10	15.5	14.34	0.16	Left Touch	0	1	0	1:1		0.719	1.306	0.939	-
2 310	27710	QPSK	I	10	15.5	14.35	-0.12	Left Touch	0	25	12	1:1		0.721	1.303	0.939	A12
2 310	27710	QPSK	I	10	15.5	14.37	0.14	Left Touch	0	50	0	1:1		0.722	1.297	0.936	-
2 310	27710	QPSK	I	10	15.5	14.34	0.13	Left Tilt	0	1	0	1:1		0.118	1.306	0.154	-
2 310	27710	QPSK	I	10	15.5	14.35	0.14	Left Tilt	0	25	12	1:1		0.117	1.303	0.152	-
2 310	27710	QPSK	I	10	15.5	14.34	0.16	Right Touch	0	1	0	1:1		0.169	1.306	0.221	-
2 310	27710	QPSK	I	10	15.5	14.35	0.19	Right Touch	0	25	12	1:1		0.170	1.303	0.222	-
2 310	27710	QPSK	I	10	15.5	14.34	-0.10	Right Tilt	0	1	0	1:1		0.039	1.306	0.051	-
2 310	27710	QPSK	I	10	15.5	14.35	0.15	Right Tilt	0	25	12	1:1		0.039	1.303	0.051	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE TDD Band 41 Head SAR

CC UL PC	Frequency		Mode	Ant.	Band width (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
	MHz	Ch.																
1CC UL PC3	2 506	39750	QPSK	B	20	22.0	21.14	0.00	Left Touch	0	1	0	1:1.58		0.000	1.219	0.000	-
1CC UL PC3	2 506	39750	QPSK	B	20	21.0	20.09	0.00	Left Touch	1	50	0	1:1.58		0.000	1.233	0.000	-
1CC UL PC3	2 506	39750	QPSK	B	20	22.0	21.14	0.00	Left Tilt	0	1	0	1:1.58		0.000	1.219	0.000	-
1CC UL PC3	2 506	39750	QPSK	B	20	21.0	20.09	0.00	Left Tilt	1	50	0	1:1.58		0.000	1.233	0.000	-
1CC UL PC3	2 506	39750	QPSK	B	20	22.0	21.14	0.15	Right Touch	0	1	0	1:1.58		0.00975	1.219	0.012	-
1CC UL PC3	2 506	39750	QPSK	B	20	21.0	20.09	0.00	Right Touch	1	50	0	1:1.58		0.00936	1.233	0.012	-
1CC UL PC3	2 506	39750	QPSK	B	20	22.0	21.14	0.16	Right Tilt	0	1	0	1:1.58		0.0053	1.219	0.006	-
1CC UL PC3	2 506	39750	QPSK	B	20	21.0	20.09	0.14	Right Tilt	1	50	0	1:1.58		0.00215	1.233	0.003	-
1CC UL PC3	2 506	39750	QPSK	B	20	22.0	20.97	0.00	Right Touch	0	1	99	1:1.58		0.011	1.164	0.013	-
1CC UL PC2	2 506	39750	QPSK	B	20	23.5	22.67	0.00	Right Touch	0	0	1	1:2.31		0.00806	1.268	0.010	-
1CC UL PC2	2 506	39750	QPSK	B	20	23.5	22.60	0.00	Right Touch	0	1	99	1:2.31		0.014	1.161	0.016	-
2CC UL PC3 (41C)	PCC	2 506	39750	QPSK	B	22.0	21.6	0.00	Right Touch	0	1	99	1:1.58		0.01	1.096	0.011	•
	SCC	2 525.8	39948	QPSK	B					20								
2CC UL PC2 (41C)	PCC	2 506	39750	QPSK	B	25.0	24.51	0.00	Right Touch	0	1	99	1:2.31		0.013	1.119	0.015	••
	SCC	2 525.8	39948	QPSK	B					20								
1CC UL PC3	2 636.5	41055	QPSK	I	20	16.8	16.19	0.12	Left Touch	0	1	0	1:1.58		0.552	1.151	0.635	-
1CC UL PC3	2 506	39750	QPSK	I	20	16.8	16.07	-0.01	Left Touch	0	1	49	1:1.58		0.448	1.183	0.530	-
1CC UL PC3	2 549.5	40185	QPSK	I	20	16.8	16.01	0.09	Left Touch	0	1	49	1:1.58		0.559	1.199	0.670	-
1CC UL PC3	2 593	40620	QPSK	I	20	16.8	16.01	-0.07	Left Touch	0	1	49	1:1.58		0.610	1.199	0.731	-
1CC UL PC3	2 680	41490	QPSK	I	20	16.8	16.17	0.04	Left Touch	0	1	0	1:1.58		0.572	1.156	0.661	-
1CC UL PC3	2 680	41490	QPSK	I	20	16.8	16.29	-0.05	Left Touch	0	50	25	1:1.58		0.589	1.125	0.663	-
1CC UL PC3	2 506	39750	QPSK	I	20	16.8	16.13	-0.05	Left Touch	0	50	25	1:1.58		0.453	1.167	0.529	-
1CC UL PC3	2 549.5	40185	QPSK	I	20	16.8	16.03	0.07	Left Touch	0	50	49	1:1.58		0.561	1.194	0.670	-
1CC UL PC3	2 593	40620	QPSK	I	20	16.8	16.15	-0.05	Left Touch	0	50	25	1:1.58		0.609	1.161	0.707	-
1CC UL PC3	2 636.5	41055	QPSK	I	20	16.8	16.25	-0.03	Left Touch	0	50	25	1:1.58		0.545	1.135	0.619	-
1CC UL PC3	2 506	39750	QPSK	I	20	16.8	16.13	0.00	Left Touch	0	100	0	1:1.58		0.462	1.167	0.539	-
1CC UL PC3	2 636.5	41055	QPSK	I	20	16.8	16.19	0.19	Left Tilt	0	1	0	1:1.58		0.095	1.151	0.109	-
1CC UL PC3	2 680	41490	QPSK	I	20	16.8	16.29	0.17	Left Tilt	0	50	25	1:1.58		0.087	1.125	0.098	-
1CC UL PC3	2 636.5	41055	QPSK	I	20	16.8	16.19	-0.18	Right Touch	0	1	0	1:1.58		0.160	1.151	0.184	-
1CC UL PC3	2 680	41490	QPSK	I	20	16.8	16.29	-0.16	Right Touch	0	50	25	1:1.58		0.166	1.125	0.187	-
1CC UL PC3	2 636.5	41055	QPSK	I	20	16.8	16.19	0.11	Right Tilt	0	1	0	1:1.58		0.026	1.151	0.030	-
1CC UL PC3	2 680	41490	QPSK	I	20	16.8	16.29	0.14	Right Tilt	0	50	25	1:1.58		0.031	1.125	0.035	-
1CC UL PC3	2 593	40620	QPSK	I	20	16.8	15.89	0.13	Left Touch	0	1	0	1:1.58		0.604	1.233	0.745	-
1CC UL PC2	2 593	40620	QPSK	I	20	18.4	17.43	0.06	Left Touch	0	1	49	1:2.31		0.615	1.250	0.769	A13
1CC UL PC2	2 593	40620	QPSK	I	20	18.4	17.57	0.06	Left Touch	0	1	0	1:2.31		0.589	1.211	0.713	-
2CC UL PC3 (41C)	PCC	2 593	40620	QPSK	I	16.8	16.21	0.16	Left Touch	0	1	0	1:1.58		0.561	1.146	0.643	•
	SCC	2 573.2	40422	QPSK	I					20								
2CC UL PC2 (41C)	PCC	2 593	40620	QPSK	I	18.4	17.81	0.01	Left Touch	0	1	0	1:2.31		0.565	1.146	0.647	••
	SCC	2 573.2	40422	QPSK	I					20								
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Head 1.6 W/kg Averaged over 1 gram								

- Up-link Carrier Aggregation Power Class 3 (41C)
- Up-link Carrier Aggregation Power Class 2 (HPUE) (41C)

LTE TDD Band 48 Head SAR

CC UL PC	Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
	MHz	Ch.																
1CC UL	3560	55340	QPSK	F	20	16.5	16.11	-0.13	Left Touch	0	1	99	1:1.58		0.117	1.094	0.128	-
1CC UL	3560	55340	QPSK	F	20	16.5	16.12	0.16	Left Touch	0	50	49	1:1.58		0.123	1.091	0.134	-
1CC UL	3560	55340	QPSK	F	20	16.5	16.11	-0.09	Left Tilt	0	1	99	1:1.58		0.124	1.094	0.136	-
1CC UL	3560	55340	QPSK	F	20	16.5	16.12	0.19	Left Tilt	0	50	49	1:1.58		0.130	1.091	0.142	-
1CC UL	3560	55340	QPSK	F	20	16.5	16.11	0.08	Right Touch	0	1	99	1:1.58		0.456	1.094	0.499	-
1CC UL	3560	55340	QPSK	F	20	16.5	16.12	-0.01	Right Touch	0	50	49	1:1.58		0.471	1.091	0.514	A14
1CC UL	3560	55340	QPSK	F	20	16.5	16.11	0.12	Right Tilt	0	1	99	1:1.58		0.331	1.094	0.362	-
1CC UL	3560	55340	QPSK	F	20	16.5	16.12	0.18	Right Tilt	0	50	49	1:1.58		0.341	1.091	0.372	-
2CC UL (48C)	PCC	3560	55340	QPSK	F	20	16.5	15.83	-0.14	Right Touch	0	50	49	1:1.58	0.419	1.167	0.489	•
	SCC	3579.80	55538	QPSK	F	20						50	0					
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Head 1.6 W/kg Averaged over 1 gram								

• Up-link Carrier Aggregation (48C)

LTE FDD Band 66 (AWS) Head SAR

CC UL PC	Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
	MHz	Ch.																
1CC UL	1745	132322	QPSK	A	20	23.8	23.48	0.00	Left Touch	0	1	99	1:1		0.111	1.076	0.119	-
1CC UL	1745	132322	QPSK	A	20	22.8	22.06	0.00	Left Touch	1	50	49	1:1		0.080	1.186	0.095	-
1CC UL	1745	132322	QPSK	A	20	23.8	23.48	0.14	Left Tilt	0	1	99	1:1		0.026	1.076	0.028	-
1CC UL	1745	132322	QPSK	A	20	22.8	22.06	0.18	Left Tilt	1	50	49	1:1		0.019	1.186	0.023	-
1CC UL	1745	132322	QPSK	A	20	23.8	23.48	0.00	Right Touch	0	1	99	1:1		0.054	1.076	0.058	-
1CC UL	1745	132322	QPSK	A	20	22.8	22.06	0.00	Right Touch	1	50	49	1:1		0.045	1.186	0.053	-
1CC UL	1745	132322	QPSK	A	20	23.8	23.48	0.03	Right Tilt	0	1	99	1:1		0.018	1.076	0.019	-
1CC UL	1745	132322	QPSK	A	20	22.8	22.06	-0.09	Right Tilt	1	50	49	1:1		0.020	1.186	0.024	-
1CC UL	1717.5	132047	QPSK	A	15	23.8	23.41	0.11	Left Touch	0	1	74	1:1		0.078	1.094	0.085	-
2CC UL (66B)	PCC	1717.5	132047	QPSK	A	15	23.8	23.05	0.13	Left Touch	0	1	74	1:1	0.081	1.189	0.096	•
2CC UL (66B)	SCC	1726.8	132140	QPSK	A	5						1	0					
2CC UL (66C)	PCC	1745	132322	QPSK	A	20	23.8	23.20	-0.15	Left Touch	0	1	99	1:1	0.116	1.148	0.133	••
2CC UL (66C)	SCC	1764.8	132520	QPSK	A	20						1	0					
1CC UL	1770	132572	QPSK	I	20	17.5	17.31	-0.16	Left Touch	0	1	0	1:1		0.707	1.045	0.739	-
1CC UL	1745	132322	QPSK	I	20	17.5	17.16	0.03	Left Touch	0	50	49	1:1		0.674	1.081	0.729	-
1CC UL	1770	132572	QPSK	I	20	17.5	17.31	0.12	Left Tilt	0	1	0	1:1		0.141	1.045	0.147	-
1CC UL	1745	132322	QPSK	I	20	17.5	17.16	0.01	Left Tilt	0	50	49	1:1		0.163	1.081	0.176	-
1CC UL	1770	132572	QPSK	I	20	17.5	17.31	0.17	Right Touch	0	1	0	1:1		0.43	1.045	0.449	-
1CC UL	1745	132322	QPSK	I	20	17.5	17.16	-0.17	Right Touch	0	50	49	1:1		0.452	1.081	0.489	-
1CC UL	1770	132572	QPSK	I	20	17.5	17.31	0.03	Right Tilt	0	1	0	1:1		0.084	1.045	0.088	-
1CC UL	1745	132322	QPSK	I	20	17.5	17.16	0.18	Right Tilt	0	50	49	1:1		0.086	1.081	0.093	-
1CC UL	1745	132322	QPSK	I	15	17.5	17.39	-0.13	Left Touch	0	1	0	1:1		0.550	1.026	0.564	-
2CC UL (66B)	PCC	1745	132322	QPSK	I	15	17.5	17.05	0.09	Left Touch	0	1	0	1:1	0.508	1.109	0.563	•
2CC UL (66B)	SCC	1735.7	132229	QPSK	I	5						1	24					
2CC UL (66C)	PCC	1770	132572	QPSK	I	20	17.5	16.07	-0.04	Left Touch	0	1	0	1:1	0.561	1.390	0.780	••
2CC UL (66C)	SCC	1750.2	132374	QPSK	I	20						1	99					
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Head 1.6 W/kg Averaged over 1 gram								

- Up-link Carrier Aggregation (66B)
- Up-link Carrier Aggregation (66C)

LTE FDD Band 71 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																
680.5	133297	QPSK	A	20	25.0	24.01	-0.10	Left Touch	0	1	99	1:1		0.019	1.256	0.024	-
680.5	133297	QPSK	A	20	24.0	22.90	0.00	Left Touch	1	50	0	1:1		0.025	1.288	0.032	-
680.5	133297	QPSK	A	20	25.0	24.01	0.16	Left Tilt	0	1	99	1:1		0.008	1.256	0.010	-
680.5	133297	QPSK	A	20	24.0	22.90	0.17	Left Tilt	1	50	0	1:1		0.00681	1.288	0.009	-
680.5	133297	QPSK	A	20	25.0	24.01	-0.19	Right Touch	0	1	99	1:1		0.022	1.256	0.028	-
680.5	133297	QPSK	A	20	24.0	22.90	0.10	Right Touch	1	50	0	1:1		0.026	1.288	0.033	A16
680.5	133297	QPSK	A	20	25.0	24.01	0.19	Right Tilt	0	1	99	1:1		0.011	1.256	0.014	-
680.5	133297	QPSK	A	20	24.0	22.90	0.00	Right Tilt	1	50	0	1:1		0.013	1.288	0.017	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR FDD Band n7 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.53	-0.17	Left Touch	0	1	108	1:1		0.067	1.114	0.075	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.51	0.00	Left Touch	0	108	54	1:1		0.065	1.119	0.073	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.53	0.12	Left Tilt	0	1	108	1:1		0.027	1.114	0.030	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.51	0.15	Left Tilt	0	108	54	1:1		0.026	1.119	0.029	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.53	0.00	Right Touch	0	1	108	1:1		0.036	1.114	0.040	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.51	0.00	Right Touch	0	108	54	1:1		0.025	1.119	0.028	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.53	0.11	Right Tilt	0	1	108	1:1		0.035	1.114	0.039	-
2 535	507000	DFT-s OFDM QPSK	B	40	22.0	21.51	0.18	Right Tilt	0	108	54	1:1		0.034	1.119	0.038	-
2 535	507000	CP QPSK	B	40	20.5	20.01	-0.10	Left Touch	1.5	1	1	1:1		0.044	1.119	0.049	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.76	-0.08	Left Touch	0	1	1	1:1		0.703	1.057	0.743	A17
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.74	0.13	Left Touch	0	108	0	1:1		0.685	1.062	0.727	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.76	0.14	Left Tilt	0	1	1	1:1		0.132	1.057	0.140	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.74	-0.16	Left Tilt	0	108	0	1:1		0.147	1.062	0.156	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.76	-0.17	Right Touch	0	1	1	1:1		0.17	1.057	0.180	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.74	0.15	Right Touch	0	108	0	1:1		0.19	1.062	0.202	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.76	0.12	Right Tilt	0	1	1	1:1		0.044	1.057	0.047	-
2 535	507000	DFT-s OFDM QPSK	I	40	16.0	15.74	0.19	Right Tilt	0	108	0	1:1		0.043	1.062	0.046	-
2 535	507000	CP QPSK	I	40	16.0	15.83	0.08	Left Touch	0	1	1	1:1		0.683	1.040	0.710	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR FDD Band n12 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	(dB)					(W/kg)	
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.23	0.02	Left Touch	0	1	1	1:1		0.189	1.064	0.201	A18
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.18	0.12	Left Touch	0	36	22	1:1		0.173	1.076	0.186	-
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.23	-0.05	Left Tilt	0	1	1	1:1		0.114	1.064	0.121	-
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.18	0.14	Left Tilt	0	36	22	1:1		0.106	1.076	0.114	-
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.23	0.15	Right Touch	0	1	1	1:1		0.152	1.064	0.162	-
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.18	0.16	Right Touch	0	36	22	1:1		0.159	1.076	0.171	-
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.23	-0.06	Right Tilt	0	1	1	1:1		0.111	1.064	0.118	-
707.5	141500	DFT-s OFDM QPSK	A	15	24.5	24.18	0.01	Right Tilt	0	36	22	1:1		0.100	1.076	0.108	-
707.5	141500	CP QPSK	A	15	23.0	22.81	0.02	Left Touch	1.5	1	1	1:1		0.081	1.045	0.085	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR FDD Band n25 Head (PCS) SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	(dB)					(W/kg)	
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.59	-0.11	Left Touch	0	1	214	1:1		0.065	1.099	0.071	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.51	-0.10	Left Touch	0	108	54	1:1		0.067	1.119	0.075	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.59	0.11	Left Tilt	0	1	214	1:1		0.027	1.099	0.030	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.51	0.11	Left Tilt	0	108	54	1:1		0.027	1.119	0.030	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.59	0.17	Right Touch	0	1	214	1:1		0.016	1.099	0.018	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.51	0.10	Right Touch	0	108	54	1:1		0.021	1.119	0.023	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.59	0.14	Right Tilt	0	1	214	1:1		0.018	1.099	0.020	-
1882.5	376500	DFT-s OFDM QPSK	A	40	23.0	22.51	0.12	Right Tilt	0	108	54	1:1		0.015	1.119	0.017	-
1882.5	376500	CP QPSK	A	40	21.5	20.99	-0.10	Left Touch	1.5	1	1	1:1		0.041	1.125	0.046	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.76	-0.15	Left Touch	0	1	1	1:1		0.550	1.186	0.652	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.67	0.16	Left Touch	0	108	54	1:1		0.478	1.211	0.579	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.76	0.17	Left Tilt	0	1	1	1:1		0.094	1.186	0.111	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.67	0.15	Left Tilt	0	108	54	1:1		0.097	1.211	0.117	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.76	0.13	Right Touch	0	1	1	1:1		0.225	1.186	0.267	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.67	0.17	Right Touch	0	108	54	1:1		0.250	1.211	0.303	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.76	-0.04	Right Tilt	0	1	1	1:1		0.053	1.186	0.063	-
1882.5	376500	DFT-s OFDM QPSK	I	40	16.5	15.67	0.06	Right Tilt	0	108	54	1:1		0.053	1.211	0.064	-
1882.5	376500	CP QPSK	I	40	16.5	16.04	-0.19	Left Touch	0	1	1	1:1		0.630	1.112	0.701	A19
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR FDD Band n26 (Cell) Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	0.17	Left Touch	0	1	53	1:1		0.150	1.222	0.183	-
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	0.12	Left Touch	0	50	28	1:1		0.147	1.222	0.180	-
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	0.10	Left Tilt	0	1	53	1:1		0.00786	1.222	0.010	-
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	0.10	Left Tilt	0	50	28	1:1		0.00663	1.222	0.008	-
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	-0.02	Right Touch	0	1	53	1:1		0.197	1.222	0.241	A20
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	0.12	Right Touch	0	50	28	1:1		0.197	1.222	0.241	-
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	-0.01	Right Tilt	0	1	53	1:1		0.090	1.222	0.110	-
831.5	166300	DFT-s OFDM QPSK	A	20	24.5	23.63	-0.02	Right Tilt	0	50	28	1:1		0.087	1.222	0.106	-
831.5	166300	CP QPSK	A	20	23.0	22.05	0.10	Right Touch	1.5	1	1	1:1		0.059	1.245	0.073	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Head 1.6 W/kg Averaged over 1 gram								

NR FDD Band n30 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.69	0.00	Left Touch	0	1	26	1:1		0.039	1.074	0.042	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.63	0.00	Left Touch	0	25	14	1:1		0.029	1.089	0.032	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.69	0.01	Left Tilt	0	1	26	1:1		0.00658	1.074	0.007	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.63	0.00	Left Tilt	0	25	14	1:1		0.000	1.089	0.000	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.69	0.00	Right Touch	0	1	26	1:1		0.029	1.074	0.031	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.63	-0.19	Right Touch	0	25	14	1:1		0.02	1.089	0.022	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.69	-0.13	Right Tilt	0	1	26	1:1		0.013	1.074	0.014	-
2 310	462000	DFT-s OFDM QPSK	B	10	22.0	21.63	0.12	Right Tilt	0	25	14	1:1		0.011	1.089	0.012	-
2 310	462000	CP QPSK	B	10	20.5	20.18	0.00	Left Touch	1.5	1	1	1:1		0.021	1.076	0.023	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.63	0.19	Left Touch	0	1	26	1:1		0.731	1.222	0.893	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.59	0.05	Left Touch	0	25	14	1:1		0.652	1.233	0.804	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.52	-0.13	Left Touch	0	50	0	1:1		0.723	1.253	0.906	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.63	0.16	Left Tilt	0	1	26	1:1		0.115	1.222	0.141	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.59	0.02	Left Tilt	0	25	14	1:1		0.114	1.233	0.141	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.63	-0.17	Right Touch	0	1	26	1:1		0.138	1.222	0.169	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.59	0.11	Right Touch	0	25	14	1:1		0.143	1.233	0.176	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.63	0.16	Right Touch	0	1	26	1:1		0.036	1.222	0.044	-
2 310	462000	DFT-s OFDM QPSK	I	10	15.5	14.59	0.11	Right Tilt	0	25	14	1:1		0.036	1.233	0.044	-
2 310	462000	CP QPSK	I	10	15.5	14.58	-0.10	Left Touch	0	1	1	1:1		0.786	1.236	0.971	A21
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Head 1.6 W/kg Averaged over 1 gram								

NR TDD Band n38 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(Mhz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	Size	offset		Cycle	(W/kg)		
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	21.06	-0.02	Left Touch	0	1	1	1:1		0.043	1.242	0.053	A22
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	20.87	0.00	Left Touch	0	50	28	1:1		0.035	1.297	0.045	-
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	21.06	0.15	Left Tilt	0	1	1	1:1		0.017	1.242	0.021	-
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	20.87	0.13	Left Tilt	0	50	28	1:1		0.019	1.297	0.025	-
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	21.06	-0.08	Right Touch	0	1	1	1:1		0.027	1.242	0.034	-
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	20.87	0.00	Right Touch	0	50	28	1:1		0.019	1.297	0.025	-
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	21.06	0.00	Right Tilt	0	1	1	1:1		0.012	1.242	0.015	-
2 595	519000	DFT-s OFDM QPSK	B	40	22.0	20.87	0.00	Right Tilt	0	50	28	1:1		0.029	1.297	0.038	-
2 595	519000	CP QPSK	B	40	20.5	19.73	0.00	Left Touch	1.5	1	1	1:1		0.020	1.194	0.024	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR TDD Band n41 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(Mhz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	Size	offset		Cycle	(W/kg)		
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	15.02	0.12	Left Touch	0	1	271	1:1		0.788	1.067	0.841	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	14.93	-0.17	Left Touch	0	135	69	1:1		0.736	1.089	0.802	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	14.80	0.14	Left Touch	0	270	0	1:1		0.772	1.122	0.866	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	15.02	0.15	Left Tilt	0	1	271	1:1		0.130	1.067	0.139	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	14.93	-0.15	Left Tilt	0	135	69	1:1		0.129	1.089	0.140	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	15.02	-0.12	Right Touch	0	1	271	1:1		0.229	1.067	0.244	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	14.93	0.09	Right Touch	0	135	69	1:1		0.223	1.089	0.243	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	15.02	0.13	Right Tilt	0	1	271	1:1		0.037	1.067	0.039	-
2 592.99	518598	DFT-s OFDM QPSK	I	100	15.3	14.93	-0.17	Right Tilt	0	135	69	1:1		0.043	1.089	0.047	-
2 592.99	518598	CP OFDM QPSK	I	100	15.3	14.92	0.19	Left Touch	0	1	1	1:1		0.799	1.091	0.872	A23
2 592.99	518598	CW SRS #2	B	100	12.2	10.81	0.00	Left Touch	0	-	-	1:1		0.000	1.377	0.000	-
2 592.99	518598	CW SRS #2	B	100	12.2	10.81	0.00	Left Tilt	0	-	-	1:1		0.000	1.377	0.000	-
2 592.99	518598	CW SRS #2	B	100	12.2	10.81	0.00	Right Touch	0	-	-	1:1		0.000	1.377	0.000	-
2 592.99	518598	CW SRS #2	B	100	12.2	10.81	0.00	Right Tilt	0	-	-	1:1		0.000	1.377	0.000	-
2 592.99	518598	CW SRS #3	F	100	14.2	13.03	-0.14	Left Touch	0	-	-	1:1		0.049	1.309	0.064	-
2 592.99	518598	CW SRS #3	F	100	14.2	13.03	-0.14	Left Tilt	0	-	-	1:1		0.026	1.309	0.034	-
2 592.99	518598	CW SRS #3	F	100	14.2	13.03	-0.11	Right Touch	0	-	-	1:1		0.156	1.309	0.204	-
2 592.99	518598	CW SRS #3	F	100	14.2	13.03	0.15	Right Tilt	0	-	-	1:1		0.087	1.309	0.114	-
2 592.99	518598	CW SRS #4	C	100	8.7	8.18	0.00	Left Touch	0	-	-	1:1		0.000	1.127	0.000	-
2 592.99	518598	CW SRS #4	C	100	8.7	8.18	0.00	Left Tilt	0	-	-	1:1		0.000	1.127	0.000	-
2 592.99	518598	CW SRS #4	C	100	8.7	8.18	0.00	Right Touch	0	-	-	1:1		0.000	1.127	0.000	-
2 592.99	518598	CW SRS #4	C	100	8.7	8.18	0.00	Right Tilt	0	-	-	1:1		0.000	1.127	0.000	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR TDD Band n48 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(Mhz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	Size	offset		Cycle	(W/kg)		
3 624.99	641666	DFT-s QPSK	F	40	15.0	13.96	-0.15	Left Touch	0	1	53	1:1		0.091	1.271	0.116	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	14.06	0.16	Left Touch	0	50	28	1:1		0.085	1.242	0.106	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	13.96	0.15	Left Tilt	0	1	53	1:1		0.066	1.271	0.084	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	14.06	0.16	Left Tilt	0	50	28	1:1		0.097	1.242	0.120	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	13.96	-0.17	Right Touch	0	1	53	1:1		0.716	1.271	0.910	-
3 570.00	638000	DFT-s QPSK	F	40	15.0	13.91	-0.15	Right Touch	0	1	104	1:1		0.759	1.285	0.975	-
3 679.98	645332	DFT-s QPSK	F	40	15.0	13.79	-0.10	Right Touch	0	1	1	1:1		0.623	1.321	0.823	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	14.06	0.04	Right Touch	0	50	28	1:1		0.684	1.242	0.850	-
3 570.00	638000	DFT-s QPSK	F	40	15.0	14.03	0.05	Right Touch	0	50	56	1:1		0.794	1.250	0.993	A24
3 679.98	645332	DFT-s QPSK	F	40	15.0	13.89	-0.08	Right Touch	0	50	28	1:1		0.542	1.291	0.700	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	14.07	0.05	Right Touch	0	100	0	1:1		0.747	1.239	0.926	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	13.96	-0.19	Right Tilt	0	1	53	1:1		0.590	1.271	0.750	-
3 570.00	638000	DFT-s QPSK	F	40	15.0	13.91	0.09	Right Tilt	0	1	104	1:1		0.695	1.285	0.893	-
3 679.98	645332	DFT-s QPSK	F	40	15.0	13.79	0.09	Right Tilt	0	1	1	1:1		0.552	1.321	0.729	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	14.06	-0.12	Right Tilt	0	50	28	1:1		0.585	1.242	0.727	-
3 570.00	638000	DFT-s QPSK	F	40	15.0	14.03	0.06	Right Tilt	0	50	56	1:1		0.597	1.250	0.746	-
3 679.98	645332	DFT-s QPSK	F	40	15.0	13.89	-0.16	Right Tilt	0	50	28	1:1		0.437	1.291	0.564	-
3 624.99	641666	DFT-s QPSK	F	40	15.0	14.07	0.14	Right Tilt	0	100	0	1:1		0.523	1.239	0.648	-
3 624.99	641666	CP QPSK	F	40	15.0	14.11	0.18	Right Touch	0	1	1	1:1		0.736	1.227	0.903	-
3 570.00	638000	CW SRS #2	I	40	15.0	14.54	0.00	Left Touch	0	-	-	1:1		0.295	1.112	0.328	-
3 570.00	638000	CW SRS #2	I	40	15.0	14.54	0.00	Left Tilt	0	-	-	1:1		0.062	1.112	0.069	-
3 570.00	638000	CW SRS #2	I	40	15.0	14.54	0.00	Right Touch	0	-	-	1:1		0.135	1.112	0.150	-
3 570.00	638000	CW SRS #2	I	40	15.0	14.54	0.00	Right Tilt	0	-	-	1:1		0.011	1.112	0.012	-
3 570.00	638000	CW SRS #3	E	40	15.0	14.61	0.00	Left Touch	0	-	-	1:1		0.219	1.094	0.240	-
3 570.00	638000	CW SRS #3	E	40	15.0	14.61	0.00	Left Tilt	0	-	-	1:1		0.014	1.094	0.015	-
3 570.00	638000	CW SRS #3	E	40	15.0	14.61	0.00	Right Touch	0	-	-	1:1		0.215	1.094	0.235	-
3 570.00	638000	CW SRS #3	E	40	15.0	14.61	0.00	Right Tilt	0	-	-	1:1		0.011	1.094	0.012	-
3 570.00	638000	CW SRS #4	C	40	8.5	8.37	0.00	Left Touch	0	-	-	1:1		0.012	1.030	0.012	-
3 570.00	638000	CW SRS #4	C	40	8.5	8.37	0.00	Left Tilt	0	-	-	1:1		0	1.030	0.000	-
3 570.00	638000	CW SRS #4	C	40	8.5	8.37	0.00	Right Touch	0	-	-	1:1		0.000	1.030	0.000	-
3 570.00	638000	CW SRS #4	C	40	8.5	8.37	0.00	Right Tilt	0	-	-	1:1		0	1.030	0.000	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Head 1.6 W/kg Averaged over 1 gram								

NR FDD Band n66 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	(W/kg)	(W/kg)		(W/kg)			
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.94	0.10	Left Touch	0	1	108	1:1		0.056	1.138	0.064	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.98	0.16	Left Touch	0	108	54	1:1		0.057	1.127	0.064	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.94	0.16	Left Tilt	0	1	108	1:1		0.028	1.138	0.032	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.98	0.15	Left Tilt	0	108	54	1:1		0.030	1.127	0.034	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.94	0.17	Right Touch	0	1	108	1:1		0.052	1.138	0.059	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.98	0.13	Right Touch	0	108	54	1:1		0.049	1.127	0.055	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.94	0.04	Right Tilt	0	1	108	1:1		0.040	1.138	0.046	-
1745	349000	DFT-s OFDM QPSK	A	40	23.5	22.98	0.07	Right Tilt	0	108	54	1:1		0.036	1.127	0.041	-
1745	349000	CP QPSK	A	40	22.0	21.01	0.10	Left Touch	1.5	1	1	1:1		0.025	1.256	0.031	-
1745	349000	DFT-s QPSK	I	40	18.0	17.61	0.15	Left Touch	0	1	214	1:1		0.853	1.094	0.933	-
1745	349000	DFT-s QPSK	I	40	18.0	17.53	-0.13	Left Touch	0	108	54	1:1		0.878	1.114	0.978	A25
1745	349000	DFT-s QPSK	I	40	18.0	17.55	-0.07	Left Touch	0	216	0	1:1		0.835	1.109	0.926	-
1745	349000	DFT-s QPSK	I	40	18.0	17.61	-0.14	Left Tilt	0	1	214	1:1		0.168	1.094	0.184	-
1745	349000	DFT-s QPSK	I	40	18.0	17.53	0.16	Left Tilt	0	108	54	1:1		0.168	1.114	0.187	-
1745	349000	DFT-s QPSK	I	40	18.0	17.61	-0.16	Right Touch	0	1	214	1:1		0.272	1.094	0.298	-
1745	349000	DFT-s QPSK	I	40	18.0	17.53	0.09	Right Touch	0	108	54	1:1		0.219	1.114	0.244	-
1745	349000	DFT-s QPSK	I	40	18.0	17.61	0.14	Right Tilt	0	1	214	1:1		0.056	1.094	0.061	-
1745	349000	DFT-s QPSK	I	40	18.0	17.53	0.15	Right Tilt	0	108	54	1:1		0.053	1.114	0.059	-
1745	349000	CP QPSK	I	40	18.0	17.77	-0.12	Left Touch	0	1	1	1:1		0.624	1.054	0.658	-
1745	349000	DFT-s QPSK	I	40	18.0	17.53	-0.02	Left Touch	0	108	54	1:1		0.852	1.114	0.949	#
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg I Averaged over 1 gram									

Note: # Data entry indicate Variability measurement.

NR FDD Band n70 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	(W/kg)	(W/kg)		(W/kg)			
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.52	-0.14	Left Touch	0	1	40	1:1		0.026	1.253	0.033	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.56	0.18	Left Touch	0	36	22	1:1		0.031	1.242	0.039	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.52	0.02	Left Tilt	0	1	40	1:1		0.016	1.253	0.020	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.56	0.06	Left Tilt	0	36	22	1:1		0.020	1.242	0.025	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.52	-0.13	Right Touch	0	1	40	1:1		0.025	1.253	0.031	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.56	-0.14	Right Touch	0	36	22	1:1		0.035	1.242	0.043	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.52	0.00	Right Tilt	0	1	40	1:1		0.016	1.253	0.020	-
1702.5	340500	DFT-s OFDM QPSK	A	15	23.5	22.56	0.19	Right Tilt	0	36	22	1:1		0.020	1.242	0.025	-
1702.5	340500	CP QPSK	A	15	22.0	21.07	-0.13	Right Touch	1.5	1	1	1:1		0.022	1.239	0.027	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.75	0.18	Left Touch	0	1	77	1:1		0.520	1.334	0.694	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.73	-0.17	Left Touch	0	36	22	1:1		0.526	1.340	0.705	A26
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.75	-0.17	Left Tilt	0	1	77	1:1		0.109	1.334	0.145	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.73	0.16	Left Tilt	0	36	22	1:1		0.109	1.340	0.146	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.75	0.13	Right Touch	0	1	77	1:1		0.233	1.334	0.311	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.73	0.14	Right Touch	0	36	22	1:1		0.236	1.340	0.316	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.75	0.13	Right Tilt	0	1	77	1:1		0.055	1.334	0.073	-
1702.5	340500	DFT-s OFDM QPSK	I	15	18.0	16.73	0.18	Right Tilt	0	36	22	1:1		0.055	1.340	0.074	-
1702.5	340500	CP QPSK	I	15	18.0	16.87	0.12	Left Touch	0	1	1	1:1		0.521	1.297	0.676	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR FDD Band n71 Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	(dB)	(W/kg)						
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.44	-0.05	Left Touch	0	1	1	1:1		0.171	1.138	0.195	A27
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.51	0.01	Left Touch	0	50	28	1:1		0.167	1.119	0.187	-
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.44	-0.09	Left Tilt	0	1	1	1:1		0.013	1.138	0.015	-
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.51	0.13	Left Tilt	0	50	28	1:1		0.012	1.119	0.013	-
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.44	0.01	Right Touch	0	1	1	1:1		0.157	1.138	0.179	-
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.51	0.15	Right Touch	0	50	28	1:1		0.169	1.119	0.189	-
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.44	-0.14	Right Tilt	0	1	1	1:1		0.075	1.138	0.085	-
680.5	136100	DFT-s OFDM QPSK	A	20	25.0	24.51	-0.10	Right Tilt	0	50	28	1:1		0.095	1.119	0.106	-
680.5	136100	CP QPSK	A	20	23.5	22.95	-0.10	Left Touch	1.5	1	1	1:1		0.123	1.135	0.140	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

NR TDD Band n77 (Power Class 2 only) Head SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)		(dB)	(dB)						(W/kg)	
3 930	662000	DFT-s QPSK	F	100	15.0	13.98	0.13	Left Touch	0	1	271	1:1		0.199	1.265	0.252	-
3 930	662000	DFT-s QPSK	F	100	15.0	14.12	-0.08	Left Touch	0	135	138	1:1		0.176	1.225	0.216	-
3 930	662000	DFT-s QPSK	F	100	15.0	13.98	0.05	Left Tilt	0	1	271	1:1		0.205	1.265	0.259	-
3 930	662000	DFT-s QPSK	F	100	15.0	14.12	0.12	Left Tilt	0	135	138	1:1		0.157	1.225	0.192	-
3 930	662000	DFT-s QPSK	F	100	15.0	13.98	0.02	Right Touch	0	1	271	1:1		0.405	1.265	0.512	-
3 750	650000	DFT-s QPSK	F	100	15.0	13.94	0.01	Right Touch	0	1	271	1:1		0.413	1.276	0.527	-
3 930	662000	DFT-s QPSK	F	100	15.0	14.12	-0.09	Right Touch	0	135	138	1:1		0.393	1.225	0.481	-
3 750	650000	DFT-s QPSK	F	100	15.0	14.07	-0.17	Right Touch	0	135	138	1:1		0.397	1.239	0.492	-
3 930	662000	DFT-s QPSK	F	100	15.0	13.87	-0.03	Right Touch	0	270	0	1:1		0.417	1.297	0.541	-
3 930	662000	DFT-s QPSK	F	100	15.0	13.98	0.15	Right Tilt	0	1	271	1:1		0.299	1.265	0.378	-
3 930	662000	DFT-s QPSK	F	100	15.0	14.12	-0.14	Right Tilt	0	135	138	1:1		0.314	1.225	0.385	-
3 930	662000	CP QPSK	F	100	15.0	13.91	0.10	Right Touch	0	1	1	1:1		0.484	1.285	0.622	-
3 500.01	633334	DFT-s QPSK	F	100	15.0	14.00	-0.17	Right Touch	0	1	271	1:1		0.870	1.259	1.095	A28
3 500.01	633334	DFT-s QPSK	F	100	15.0	14.11	0.18	Right Touch	0	135	138	1:1		0.807	1.227	0.990	-
3 500.01	633334	DFT-s QPSK	F	100	15.0	14.07	-0.06	Right Touch	0	270	0	1:1		0.808	1.239	1.001	-
3 500.01	633334	DFT-s QPSK	F	100	15.0	14.00	-0.09	Right Touch	0	1	271	1:1		0.870	1.259	1.095	#
3 750	650000	CW SRS #2	I	100	15.0	13.48	-0.14	Left Touch	0	-	-	1:1		0.257	1.419	0.365	-
3 750	650000	CW SRS #2	I	100	15.0	13.48	0.00	Left Tilt	0	-	-	1:1		0.028	1.419	0.040	-
3 750	650000	CW SRS #2	I	100	15.0	13.48	-0.10	Right Touch	0	-	-	1:1		0.170	1.419	0.241	-
3 750	650000	CW SRS #2	I	100	15.0	13.48	0.11	Right Tilt	0	-	-	1:1		0.007	1.419	0.010	-
3 500.01	633334	CW SRS #2	I	100	15.0	13.03	-0.12	Left Touch	0	-	-	1:1		0.531	1.574	0.836	-
3 930	662000	CW SRS #3	E	100	15.0	13.25	0.09	Left Touch	0	-	-	1:1		0.270	1.496	0.404	-
3 750	650000	CW SRS #3	E	100	15.0	13.13	-0.15	Left Touch	0	-	-	1:1		0.138	1.538	0.212	-
3 930	662000	CW SRS #3	E	100	15.0	13.25	0.14	Left Tilt	0	-	-	1:1		0.010	1.496	0.015	-
3 930	662000	CW SRS #3	E	100	15.0	13.25	-0.12	Right Touch	0	-	-	1:1		0.177	1.496	0.265	-
3 930	662000	CW SRS #3	E	100	15.0	13.25	0.17	Right Tilt	0	-	-	1:1		0.028	1.496	0.042	-
3 500.01	633334	CW SRS #3	E	100	15.0	13.25	0.09	Left Touch	0	-	-	1:1		0.120	1.556	0.187	-
3 750	650000	CW SRS #4	C	100	8.5	7.95	0.00	Left Touch	0	-	-	1:1		0.016	1.135	0.018	-
3 750	650000	CW SRS #4	C	100	8.5	7.95	0.00	Left Tilt	0	-	-	1:1		0.002	1.135	0.002	-
3 750	650000	CW SRS #4	C	100	8.5	7.95	0.00	Right Touch	0	-	-	1:1		0.000	1.135	0.000	-
3 750	650000	CW SRS #4	C	100	8.5	7.95	0.00	Right Tilt	0	-	-	1:1		0.000	1.135	0.000	-
3 500.01	633334	CW SRS #4	C	100	8.5	7.16	-0.02	Left Touch	0	-	-	1:1		0.021	1.361	0.029	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Head 1.6 W/kg Averaged over 1 gram								

Note: # Data entry indicate Variability measurement.

DTS Head SAR – RCV ON

Frequency		Mode	Ant.	Band width	Data Rate	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Area Scan Peak SAR	Meas. SAR	Scaling Factor	Scaling Factor (Duty)	Scaled SAR	Plot No.
Mhz	Ch.															
2 412	1	802.11b	Ant.1	20	1	19.0	17.94	-0.14	Left Touch	98.8	0.261	0.169	1.276	1.012	0.218	-
2 412	1	802.11b	Ant.1	20	1	19.0	17.94	0.14	Left Tilt	98.8	0.206	0.121	1.276	1.012	0.156	-
2 412	1	802.11b	Ant.1	20	1	19.0	17.94	0.05	Right Touch	98.8	1.10	0.592	1.276	1.012	0.765	-
2 412	1	802.11b	Ant.1	20	1	19.0	17.94	0.08	Right Tilt	98.8	0.558	0.361	1.276	1.012	0.466	-
2 437	6	802.11b	Ant.2	20	1	19.0	17.45	0.10	Left Touch	98.8	1.13	0.549	1.429	1.012	0.794	A29
2 437	6	802.11b	Ant.2	20	1	19.0	17.45	0.11	Left Tilt	98.8	0.586	0.308	1.429	1.012	0.445	-
2 437	6	802.11b	Ant.2	20	1	19.0	17.45	0.12	Right Touch	98.8	0.397	0.261	1.429	1.012	0.377	-
2 437	6	802.11b	Ant.2	20	1	19.0	17.45	0.08	Right Tilt	98.8	0.348	0.217	1.429	1.012	0.314	-
ANSI/ IEEE C95.1 - 2005 - Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Head 1.6 W/kg Averaged over 1 gram					

NII Head SAR – RCV-ON

Frequency		Mode	Ant.	Band width	Data Rate	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Area Scan Peak SAR	Meas. SAR	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.															
5 300	60	802.11a	Ant.1	20	6Mbps	16.0	14.85	0.16	Left Touch	93.7	0.728	0.173	1.303	1.067	0.241	-
5 300	60	802.11a	Ant.1	20	6Mbps	16.0	14.85	-0.08	Left Tilt	93.7	0.561	0.203	1.303	1.067	0.282	-
5 260	52	802.11a	Ant.1	20	6Mbps	16.0	14.70	-0.05	Right Touch	93.7	1.69	0.643	1.349	1.067	0.926	-
5 300	60	802.11a	Ant.1	20	6Mbps	16.0	14.85	-0.12	Right Touch	93.7	1.67	0.670	1.303	1.067	0.932	-
5 300	60	802.11a	Ant.1	20	6Mbps	16.0	14.85	0.08	Right Tilt	93.7	1.39	0.504	1.303	1.067	0.701	-
5 620	124	802.11a	Ant.1	20	6Mbps	16.0	15.11	0.15	Left Touch	93.7	1.04	0.270	1.227	1.067	0.354	-
5 620	124	802.11a	Ant.1	20	6Mbps	16.0	15.11	0.10	Left Tilt	93.7	1.01	0.219	1.227	1.067	0.287	-
5 620	124	802.11a	Ant.1	20	6Mbps	16.0	15.11	-0.15	Right Touch	93.7	2.03	0.759	1.227	1.067	0.994	-
5 720	144	802.11a	Ant.1	20	6Mbps	16.0	15.10	-0.07	Right Touch	93.7	2.09	0.779	1.230	1.067	1.023	A30
5 620	124	802.11a	Ant.1	20	6Mbps	16.0	15.11	-0.08	Right Tilt	93.7	1.68	0.642	1.227	1.067	0.841	-
5 785	157	802.11a	Ant.1	20	6Mbps	16.0	15.10	0.14	Left Touch	93.7	1.41	0.207	1.230	1.067	0.272	-
5 785	157	802.11a	Ant.1	20	6Mbps	16.0	15.10	0.16	Left Tilt	93.7	0.475	0.180	1.230	1.067	0.236	-
5 785	157	802.11a	Ant.1	20	6Mbps	16.0	15.10	-0.13	Right Touch	93.7	2.17	0.755	1.230	1.067	0.991	-
5 825	165	802.11a	Ant.1	20	6Mbps	16.0	15.09	0.11	Right Touch	93.7	2	0.744	1.233	1.067	0.979	-
5 785	157	802.11a	Ant.1	20	6Mbps	16.0	15.10	0.15	Right Tilt	93.7	1.2	0.422	1.230	1.067	0.554	-
5 865	173	802.11a	Ant.1	20	6Mbps	16.0	15.25	0.16	Left Touch	93.7	0.922	0.210	1.189	1.067	0.266	-
5 865	173	802.11a	Ant.1	20	6Mbps	16.0	15.25	0.17	Left Tilt	93.7	1.09	0.202	1.189	1.067	0.256	-
5 865	173	802.11a	Ant.1	20	6Mbps	16.0	15.25	0.16	Right Touch	93.7	1.66	0.599	1.189	1.067	0.760	-
5 865	173	802.11a	Ant.1	20	6Mbps	16.0	15.25	0.12	Right Tilt	93.7	1.38	0.474	1.189	1.067	0.601	-
5 300	60	802.11a	Ant.2	20	6Mbps	16.0	15.40	-0.10	Left Touch	93.7	1.12	0.371	1.148	1.067	0.455	-
5 300	60	802.11a	Ant.2	20	6Mbps	16.0	15.40	0.11	Left Tilt	93.7	0.822	0.296	1.148	1.067	0.363	-
5 300	60	802.11a	Ant.2	20	6Mbps	16.0	15.40	0.16	Right Touch	93.7	0.263	0.080	1.148	1.067	0.098	-
5 300	60	802.11a	Ant.2	20	6Mbps	16.0	15.40	0.00	Right Tilt	93.7	0.218	0.071	1.148	1.067	0.087	-
5 600	120	802.11a	Ant.2	20	6Mbps	16.0	15.79	-0.18	Left Touch	93.7	1.40	0.232	1.050	1.067	0.260	-
5 600	120	802.11a	Ant.2	20	6Mbps	16.0	15.79	0.13	Left Tilt	93.7	0.822	0.168	1.050	1.067	0.188	-
5 600	120	802.11a	Ant.2	20	6Mbps	16.0	15.79	-0.19	Right Touch	93.7	0.272	0.069	1.050	1.067	0.077	-
5 600	120	802.11a	Ant.2	20	6Mbps	16.0	15.79	0.15	Right Tilt	93.7	0.303	0.071	1.050	1.067	0.080	-
5 785	157	802.11a	Ant.2	20	6Mbps	16.0	15.10	-0.16	Left Touch	93.7	1.82	0.211	1.230	1.067	0.277	-
5 785	157	802.11a	Ant.2	20	6Mbps	16.0	15.10	0.09	Left Tilt	93.7	0.598	0.149	1.230	1.067	0.196	-
5 785	157	802.11a	Ant.2	20	6Mbps	16.0	15.10	-0.17	Right Touch	93.7	0.233	0.086	1.230	1.067	0.113	-
5 785	157	802.11a	Ant.2	20	6Mbps	16.0	15.10	-0.08	Right Tilt	93.7	0.252	0.095	1.230	1.067	0.125	-
5 865	173	802.11a	Ant.2	20	6Mbps	16.0	14.56	-0.16	Left Touch	93.7	1.29	0.238	1.393	1.067	0.354	-
5 865	173	802.11a	Ant.2	20	6Mbps	16.0	14.56	0.16	Left Tilt	93.7	1.23	0.186	1.393	1.067	0.277	-
5 865	173	802.11a	Ant.2	20	6Mbps	16.0	14.56	-0.15	Right Touch	93.7	0.266	0.092	1.393	1.067	0.137	-
5 865	173	802.11a	Ant.2	20	6Mbps	16.0	14.56	0.14	Right Tilt	93.7	0.643	0.097	1.393	1.067	0.144	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Head 1.6 W/kg Averaged over 1 gram						

DSS Head SAR – RCV ON

Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Meas. SAR	Scaling Factor	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)		(W/kg)			(Duty)	
2 402	0	Bluetooth DH5	Ant.1	19	18.88	0.05	Left Touch	0.149	1.028	1.010	0.155	-
2 402	0	Bluetooth DH5	Ant.1	19	18.88	-0.15	Left Tilt	0.093	1.028	1.010	0.097	-
2 402	0	Bluetooth DH5	Ant.1	19	18.88	0.14	Right Touch	0.712	1.028	1.010	0.739	-
2 402	0	Bluetooth DH5	Ant.1	19	18.88	0.13	Right Tilt	0.436	1.028	1.010	0.453	-
2 441	39	Bluetooth DH5	Ant.2	18	17.55	0.16	Left Touch	0.694	1.109	1.010	0.777	A31
2 441	39	Bluetooth DH5	Ant.2	18	17.55	-0.06	Left Tilt	0.437	1.109	1.010	0.489	-
2 441	39	Bluetooth DH5	Ant.2	18	17.55	0.14	Right Touch	0.283	1.109	1.010	0.317	-
2 441	39	Bluetooth DH5	Ant.2	18	17.55	-0.19	Right Tilt	0.251	1.109	1.010	0.281	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram					

13.2 Body-worn SAR Measurement Results

GSM Band Body-Worn SAR															
Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.														
836.6	190	GSM 850 Voice	A	Open	31.0	30.47	0.15	Rear	1:8.3	10		0.244	1.130	0.276	-
836.6	190	GSM 850 Voice	A	Open	31.0	30.47	-0.05	Front	1:8.3	10		0.148	1.130	0.167	-
836.6	190	GSM 850 GPRS 4Tx	A	Open	27.0	26.24	0.17	Rear	1:2.07	10		0.345	1.191	0.411	-
836.6	190	GSM 850 GPRS 4Tx	A	Open	27.0	26.24	-0.18	Front	1:2.07	10		0.212	1.191	0.252	-
836.6	190	GSM 850 Voice	A	Close	31.0	30.47	-0.17	Rear	1:8.3	10		0.196	1.130	0.221	-
836.6	190	GSM 850 Voice	A	Close	31.0	30.47	0.05	Front	1:8.3	10		0.034	1.130	0.038	-
836.6	190	GSM 850 GPRS 4Tx	A	Close	27.0	26.24	-0.05	Rear	1:2.07	10		0.365	1.191	0.435	B1
836.6	190	GSM 850 GPRS 4Tx	A	Close	27.0	26.24	0.02	Front	1:2.07	10		0.193	1.191	0.230	-
1880	661	GSM1900 Voice	A	Open	27.5	26.24	-0.04	Rear	1:8.3	10		0.324	1.337	0.433	-
1880	661	GSM1900 Voice	A	Open	27.5	26.24	0.05	Front	1:8.3	10		0.207	1.337	0.277	-
1880	661	GSM1900 GPRS 4Tx	A	Open	21.5	19.93	0.01	Rear	1:2.07	10		0.376	1.435	0.540	B2
1880	661	GSM1900 GPRS 4Tx	A	Open	21.5	19.93	0.09	Front	1:2.07	10		0.285	1.435	0.409	-
1880	661	GSM1900 Voice	A	Close	27.5	26.24	-0.02	Rear	1:8.3	10		0.137	1.337	0.183	-
1880	661	GSM1900 Voice	A	Close	27.5	26.24	0.11	Front	1:8.3	10		0.031	1.337	0.041	-
1880	661	GSM1900 GPRS 4Tx	A	Close	21.5	19.93	0.14	Rear	1:2.07	10		0.152	1.435	0.218	-
1880	661	GSM1900 GPRS 4Tx	A	Close	21.5	19.93	-0.10	Front	1:2.07	10		0.035	1.435	0.050	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

UMTS Band Body-Worn SAR															
Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.														
836.6	4183	UMTS Band 5 RMC	A	Open	24.0	23.36	0.10	Rear	1:1	10		0.356	1.159	0.413	-
836.6	4183	UMTS Band 5 RMC	A	Open	24.0	23.36	0.00	Front	1:1	10		0.238	1.159	0.276	-
836.6	4183	UMTS Band 5 RMC	A	Close	24.0	23.36	0.06	Rear	1:1	10		0.570	1.159	0.661	B3
836.6	4183	UMTS Band 5 RMC	A	Close	24.0	23.36	0.06	Front	1:1	10		0.080	1.159	0.093	-
1732.4	1412	UMTS Band 4 RMC	A	Open	21.0	19.76	-0.16	Rear	1:1	10		0.701	1.330	0.932	B4
1712.4	1312	UMTS Band 4 RMC	A	Open	21.0	19.78	-0.11	Rear	1:1	10		0.625	1.324	0.828	-
1752.6	1513	UMTS Band 4 RMC	A	Open	21.0	19.94	-0.08	Rear	1:1	10		0.648	1.276	0.827	-
1732.4	1412	UMTS Band 4 RMC	A	Open	21.0	19.76	-0.10	Front	1:1	10		0.512	1.330	0.681	-
1732.4	1412	UMTS Band 4 RMC	A	Close	21.0	19.76	-0.06	Rear	1:1	10		0.585	1.330	0.778	-
1732.4	1412	UMTS Band 4 RMC	A	Close	21.0	19.76	-0.15	Front	1:1	10		0.129	1.330	0.172	-
1880.0	9400	UMTS Band 2 RMC	A	Open	21.0	20.32	0.13	Rear	1:1	10		0.738	1.169	0.863	-
1852.4	9262	UMTS Band 2 RMC	A	Open	21.0	20.55	-0.12	Rear	1:1	10		0.921	1.109	1.021	B5
1907.6	9538	UMTS Band 2 RMC	A	Open	21.0	20.37	-0.01	Rear	1:1	10		0.881	1.156	1.018	-
1852.4	9262	UMTS Band 2 RMC	A	Open	21.0	20.55	-0.04	Rear	1:1	10		0.898	1.109	0.996	#
1880.0	9400	UMTS Band 2 RMC	A	Open	21.0	20.32	0.11	Front	1:1	10		0.493	1.169	0.576	-
1880.0	9400	UMTS Band 2 RMC	A	Close	21.0	20.32	-0.07	Rear	1:1	10		0.489	1.169	0.572	-
1880.0	9400	UMTS Band 2 RMC	A	Close	21.0	20.32	-0.15	Front	1:1	10		0.055	1.169	0.064	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

Note: # Data entry indicate Variability measurement.

LTE FDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.																			
2 510	20850	LTE 7	QPSK	B	Open	20	20.0	19.23	0.02	Rear	0	1	49	1:1		10	0.278	1.194	0.332	-
2 510	20850	LTE 7	QPSK	B	Open	20	20.0	19.25	0.00	Rear	0	50	25	1:1		10	0.257	1.189	0.306	-
2 510	20850	LTE 7	QPSK	B	Open	20	20.0	19.23	0.11	Front	0	1	49	1:1		10	0.215	1.194	0.257	-
2 510	20850	LTE 7	QPSK	B	Open	20	20.0	19.25	0.13	Front	0	50	25	1:1		10	0.223	1.189	0.265	-
2 510	20850	LTE 7	QPSK	B	Close	20	20.0	19.23	0.00	Rear	0	1	49	1:1		10	0.278	1.194	0.332	-
2 510	20850	LTE 7	QPSK	B	Close	20	20.0	19.25	0.00	Rear	0	50	25	1:1		10	0.284	1.189	0.338	-
2 510	20850	LTE 7	QPSK	B	Close	20	20.0	19.23	0.00	Front	0	1	49	1:1		10	0.020	1.194	0.024	-
2 510	20850	LTE 7	QPSK	B	Close	20	20.0	19.25	0.00	Front	0	50	25	1:1		10	0.020	1.189	0.024	-
2 560	21350	LTE 7	QPSK	I	Open	20	21.5	20.41	0.00	Rear	0	1	0	1:1		10	0.344	1.285	0.442	-
2 560	21350	LTE 7	QPSK	I	Open	20	21.5	20.28	0.16	Rear	0	50	25	1:1		10	0.365	1.324	0.483	-
2 560	21350	LTE 7	QPSK	I	Open	20	21.5	20.41	0.09	Front	0	1	0	1:1		10	0.439	1.285	0.564	-
2 560	21350	LTE 7	QPSK	I	Open	20	21.5	20.28	-0.16	Front	0	50	25	1:1		10	0.457	1.324	0.605	B6
2 560	21350	LTE 7	QPSK	I	Close	20	21.5	20.41	0.12	Rear	0	1	0	1:1		10	0.093	1.285	0.120	-
2 560	21350	LTE 7	QPSK	I	Close	20	21.5	20.28	0.07	Rear	0	50	25	1:1		10	0.098	1.324	0.130	-
2 560	21350	LTE 7	QPSK	I	Close	20	21.5	20.41	-0.18	Front	0	1	0	1:1		10	0.286	1.285	0.368	-
2 560	21350	LTE 7	QPSK	I	Close	20	21.5	20.28	-0.18	Front	0	50	25	1:1		10	0.296	1.324	0.392	-
707.5	23095	LTE 12	QPSK	A	Open	10	23.0	22.17	-0.19	Rear	0	1	0	1:1		10	0.186	1.211	0.225	-
707.5	23095	LTE 12	QPSK	A	Open	10	23.0	22.14	0.00	Rear	1	25	0	1:1		10	0.186	1.219	0.227	-
707.5	23095	LTE 12	QPSK	A	Open	10	23.0	22.17	-0.06	Front	0	1	0	1:1		10	0.127	1.211	0.154	-
707.5	23095	LTE 12	QPSK	A	Open	10	23.0	22.14	-0.07	Front	1	25	0	1:1		10	0.121	1.219	0.147	-
707.5	23095	LTE 12	QPSK	A	Close	10	23.0	22.17	-0.05	Rear	0	1	0	1:1		10	0.258	1.211	0.312	-
707.5	23095	LTE 12	QPSK	A	Close	10	23.0	22.14	-0.12	Rear	1	25	0	1:1		10	0.270	1.219	0.329	B7
707.5	23095	LTE 12	QPSK	A	Close	10	23.0	22.17	-0.02	Front	0	1	0	1:1		10	0.053	1.211	0.064	-
707.5	23095	LTE 12	QPSK	A	Close	10	23.0	22.14	-0.15	Front	1	25	0	1:1		10	0.058	1.219	0.071	-
782	23230	LTE 13	QPSK	A	Open	10	23.0	21.82	0.01	Rear	0	1	24	1:1		10	0.259	1.312	0.340	-
782	23230	LTE 13	QPSK	A	Open	10	23.0	21.88	-0.04	Rear	1	25	12	1:1		10	0.263	1.294	0.340	-
782	23230	LTE 13	QPSK	A	Open	10	23.0	21.82	-0.06	Front	0	1	24	1:1		10	0.171	1.312	0.224	-
782	23230	LTE 13	QPSK	A	Open	10	23.0	21.88	-0.08	Front	1	25	12	1:1		10	0.173	1.294	0.224	-
782	23230	LTE 13	QPSK	A	Close	10	23.0	21.82	-0.19	Rear	0	1	24	1:1		10	0.374	1.312	0.491	-
782	23230	LTE 13	QPSK	A	Close	10	23.0	21.88	-0.04	Rear	1	25	12	1:1		10	0.383	1.294	0.496	B8
782	23230	LTE 13	QPSK	A	Close	10	23.0	21.82	-0.12	Front	0	1	24	1:1		10	0.117	1.312	0.154	-
782	23230	LTE 13	QPSK	A	Close	10	23.0	21.88	0.04	Front	1	25	12	1:1		10	0.117	1.294	0.151	-
793	23330	LTE 14	QPSK	A	Open	10	24.0	23.17	0.06	Rear	0	1	0	1:1		10	0.385	1.211	0.466	-
793	23330	LTE 14	QPSK	A	Open	10	23.0	22.16	0.01	Rear	1	25	0	1:1		10	0.296	1.213	0.359	-
793	23330	LTE 14	QPSK	A	Open	10	24.0	23.17	-0.09	Front	0	1	0	1:1		10	0.248	1.211	0.300	-
793	23330	LTE 14	QPSK	A	Open	10	23.0	22.16	-0.02	Front	1	25	0	1:1		10	0.194	1.213	0.235	-
793	23330	LTE 14	QPSK	A	Close	10	24.0	23.17	0.07	Rear	0	1	0	1:1		10	0.486	1.211	0.589	B9
793	23330	LTE 14	QPSK	A	Close	10	23.0	22.16	0.06	Rear	1	25	0	1:1		10	0.377	1.213	0.457	-
793	23330	LTE 14	QPSK	A	Close	10	24.0	23.17	0.06	Front	0	1	0	1:1		10	0.055	1.211	0.067	-
793	23330	LTE 14	QPSK	A	Close	10	23.0	22.16	0.14	Front	1	25	0	1:1		10	0.039	1.213	0.047	-

ANSI/ IEEE C95.1 - 2005- Safety Limit
 Spatial Peak
 Uncontrolled Exposure/ General Population

Body
 1.6 W/kg
 Averaged over 1 gram

LTE FDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.																			
1905	26590	LTE 25	QPSK	A	Open	20	21.3	20.45	-0.19	Rear	0	1	99	1:1		10	0.881	1.216	1.071	-
1860	26140	LTE 25	QPSK	A	Open	20	21.3	20.38	0.11	Rear	0	1	99	1:1		10	0.928	1.236	1.147	-
1882.5	26365	LTE 25	QPSK	A	Open	20	21.3	20.43	0.15	Rear	0	1	99	1:1		10	0.808	1.222	0.987	-
1905	26590	LTE 25	QPSK	A	Open	20	21.3	20.44	0.04	Rear	0	50	49	1:1		10	0.903	1.219	1.101	-
1860	26140	LTE 25	QPSK	A	Open	20	21.3	20.36	0.17	Rear	0	50	25	1:1		10	0.901	1.242	1.119	-
1882.5	26365	LTE 25	QPSK	A	Open	20	21.3	20.39	0.17	Rear	0	50	25	1:1		10	0.832	1.233	1.026	-
1905	26590	LTE 25	QPSK	A	Open	20	21.3	20.31	-0.16	Rear	0	100	0	1:1		10	0.887	1.256	1.114	-
1905	26590	LTE 25	QPSK	A	Open	20	21.3	20.45	0.01	Front	0	1	99	1:1		10	0.672	1.216	0.817	-
1860	26140	LTE 25	QPSK	A	Open	20	21.3	20.38	0.12	Front	0	1	99	1:1		10	0.637	1.236	0.787	-
1882.5	26365	LTE 25	QPSK	A	Open	20	21.3	20.43	0.10	Front	0	1	99	1:1		10	0.605	1.222	0.739	-
1905	26590	LTE 25	QPSK	A	Open	20	21.3	20.44	0.00	Front	0	50	49	1:1		10	0.636	1.219	0.775	-
1905	26590	LTE 25	QPSK	A	Open	20	21.3	20.31	0.11	Front	0	100	0	1:1		10	0.628	1.256	0.789	-
1860	26140	LTE 25	QPSK	A	Open	20	21.3	20.38	0.12	Rear	0	1	99	1:1		10	0.935	1.236	1.156	B10#
1905	26590	LTE 25	QPSK	A	Close	20	21.3	20.45	-0.13	Rear	0	1	99	1:1		10	0.573	1.216	0.697	-
1905	26590	LTE 25	QPSK	A	Close	20	21.3	20.44	0.17	Rear	0	50	49	1:1		10	0.495	1.219	0.603	-
1905	26590	LTE 25	QPSK	A	Close	20	21.3	20.45	0.00	Front	0	1	99	1:1		10	0.047	1.216	0.057	-
1905	26590	LTE 25	QPSK	A	Close	20	21.3	20.44	0.00	Front	0	50	49	1:1		10	0.116	1.219	0.141	-
1905	26590	LTE 25	QPSK	I	Open	20	21.5	21.14	0.08	Rear	0	1	0	1:1		10	0.583	1.086	0.633	-
1882.5	26365	LTE 25	QPSK	I	Open	20	21.5	21.00	0.06	Rear	0	50	49	1:1		10	0.572	1.122	0.642	-
1905	26590	LTE 25	QPSK	I	Open	20	21.5	21.14	0.17	Front	0	1	0	1:1		10	0.402	1.086	0.437	-
1882.5	26365	LTE 25	QPSK	I	Open	20	21.5	21.00	0.15	Front	0	50	49	1:1		10	0.401	1.122	0.450	-
1905	26590	LTE 25	QPSK	I	Close	20	21.5	21.14	0.17	Rear	0	1	0	1:1		10	0.090	1.086	0.098	-
1882.5	26365	LTE 25	QPSK	I	Close	20	21.5	21.00	0.19	Rear	0	50	49	1:1		10	0.085	1.122	0.095	-
1905	26590	LTE 25	QPSK	I	Close	20	21.5	21.14	-0.18	Front	0	1	0	1:1		10	0.603	1.086	0.655	-
1882.5	26365	LTE 25	QPSK	I	Close	20	21.5	21.00	-0.11	Front	0	50	49	1:1		10	0.590	1.122	0.662	-
831.5	26865	LTE 26	QPSK	A	Open	15	24.5	23.87	-0.03	Rear	0	1	36	1:1		10	0.224	1.156	0.259	-
831.5	26865	LTE 26	QPSK	A	Open	15	23.5	22.76	0.13	Rear	1	36	18	1:1		10	0.171	1.186	0.203	-
831.5	26865	LTE 26	QPSK	A	Open	15	24.5	23.87	0.10	Front	0	1	36	1:1		10	0.234	1.156	0.271	-
831.5	26865	LTE 26	QPSK	A	Open	15	24.5	22.76	-0.03	Front	1	36	18	1:1		10	0.176	1.186	0.209	-
831.5	26865	LTE 26	QPSK	A	Close	15	24.5	23.87	0.05	Rear	0	1	36	1:1		10	0.475	1.156	0.549	B11
831.5	26865	LTE 26	QPSK	A	Close	15	23.5	22.76	0.09	Rear	1	36	18	1:1		10	0.373	1.186	0.442	-
831.5	26865	LTE 26	QPSK	A	Close	15	24.5	23.87	0.15	Front	0	1	36	1:1		10	0.048	1.156	0.055	-
831.5	26865	LTE 26	QPSK	A	Close	15	23.5	22.76	-0.15	Front	1	36	18	1:1		10	0.037	1.186	0.044	-
2310	27710	LTE 30	QPSK	B	Open	10	20.0	19.15	0.00	Rear	0	1	49	1:1		10	0.349	1.216	0.424	-
2310	27710	LTE 30	QPSK	B	Open	10	20.0	19.05	0.00	Rear	0	25	24	1:1		10	0.392	1.245	0.488	-
2310	27710	LTE 30	QPSK	B	Open	10	20.0	19.15	0.00	Front	0	1	49	1:1		10	0.271	1.216	0.330	-
2310	27710	LTE 30	QPSK	B	Open	10	20.0	19.05	0.00	Front	0	25	24	1:1		10	0.274	1.245	0.341	-
2310	27710	LTE 30	QPSK	B	Close	10	20.0	19.15	-0.01	Rear	0	1	49	1:1		10	0.332	1.216	0.404	-
2310	27710	LTE 30	QPSK	B	Close	10	20.0	19.05	0.00	Rear	0	25	24	1:1		10	0.335	1.245	0.417	-
2310	27710	LTE 30	QPSK	B	Close	10	20.0	19.15	0.00	Front	0	1	49	1:1		10	0.026	1.216	0.032	-
2310	27710	LTE 30	QPSK	B	Close	10	20.0	19.05	0.00	Front	0	25	24	1:1		10	0.025	1.245	0.031	-
2310	27710	LTE 30	QPSK	I	Open	10	22.0	20.93	0.16	Rear	0	1	0	1:1		10	0.564	1.279	0.721	-
2310	27710	LTE 30	QPSK	I	Open	10	22.0	20.75	0.10	Rear	0	25	0	1:1		10	0.568	1.334	0.758	-
2310	27710	LTE 30	QPSK	I	Open	10	22.0	20.93	-0.09	Front	0	1	0	1:1		10	0.622	1.279	0.796	-
2310	27710	LTE 30	QPSK	I	Open	10	22.0	20.75	-0.04	Front	0	25	0	1:1		10	0.631	1.334	0.842	B12
2310	27710	LTE 30	QPSK	I	Open	10	22.0	20.64	-0.19	Front	0	50	0	1:1		10	0.533	1.368	0.729	-
2310	27710	LTE 30	QPSK	I	Close	10	22.0	20.93	0.13	Rear	0	1	0	1:1		10	0.092	1.279	0.118	-
2310	27710	LTE 30	QPSK	I	Close	10	22.0	20.75	0.15	Rear	0	25	0	1:1		10	0.096	1.334	0.128	-
2310	27710	LTE 30	QPSK	I	Close	10	22.0	20.93	-0.11	Front	0	1	0	1:1		10	0.321	1.279	0.411	-
2310	27710	LTE 30	QPSK	I	Close	10	22.0	20.75	-0.17	Front	0	25	0	1:1		10	0.343	1.334	0.458	-

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 Spatial Peak
 Uncontrolled Exposure/ General Population

Body
 1.6 W/kg
 Averaged over 1 gram

Note: # Data entry indicate Variability measurement.

LTE FDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Bandwidth (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.																			
1720	132072	LTE 66	QPSK	A	Open	20	20.8	20.17	0.00	Rear	0	1	99	1:1		10	0.752	1.156	0.869	B13
1745	132322	LTE 66	QPSK	A	Open	20	20.8	20.15	0.16	Rear	0	1	49	1:1		10	0.693	1.161	0.805	-
1770	132572	LTE 66	QPSK	A	Open	20	20.8	20.01	-0.06	Rear	0	1	0	1:1		10	0.719	1.199	0.862	-
1720	132072	LTE 66	QPSK	A	Open	20	20.8	20.11	-0.17	Rear	0	50	25	1:1		10	0.734	1.172	0.860	-
1745	132322	LTE 66	QPSK	A	Open	20	20.8	20.10	-0.02	Rear	0	50	0	1:1		10	0.677	1.175	0.795	-
1770	132572	LTE 66	QPSK	A	Open	20	20.8	19.95	0.16	Rear	0	50	25	1:1		10	0.704	1.216	0.856	-
1745	132322	LTE 66	QPSK	A	Open	20	20.8	20.08	-0.08	Rear	0	100	0	1:1		10	0.721	1.180	0.851	-
1720	132072	LTE 66	QPSK	A	Open	20	20.8	20.17	-0.12	Front	0	1	99	1:1		10	0.501	1.156	0.579	-
1720	132072	LTE 66	QPSK	A	Open	20	20.8	20.11	-0.17	Front	0	50	25	1:1		10	0.511	1.172	0.599	-
1745	132322	LTE 66	QPSK	A	Open	15	20.8	20.27	-0.16	Rear	0	1	0	1:1		10	0.59	1.130	0.667	-
1720	132072	LTE 66	QPSK	A	Close	20	20.8	20.17	0.05	Rear	0	1	99	1:1		10	0.417	1.156	0.482	-
1720	132072	LTE 66	QPSK	A	Close	20	20.8	20.11	-0.13	Rear	0	50	25	1:1		10	0.410	1.172	0.481	-
1720	132072	LTE 66	QPSK	A	Close	20	20.8	20.17	0.18	Front	0	1	99	1:1		10	0.090	1.156	0.104	-
1720	132072	LTE 66	QPSK	A	Close	20	20.8	20.11	0.10	Front	0	50	25	1:1		10	0.084	1.172	0.098	-
1745	132322	LTE 66	QPSK	A	Close	15	20.8	20.27	-0.17	Rear	0	1	0	1:1		10	0.374	1.130	0.423	-
PCC	1745	132322	LTE 66	QPSK	A	Open	15	20.8	19.70	0.18	Rear	0	1	0	1:1	10	0.528	1.288	0.680	•
SCC	1735.7	132229	LTE 66	QPSK	A	Open	5						1	24						
PCC	1720	132072	LTE 66	QPSK	A	Open	20	20.8	19.66	0.00	Rear	0	1	0	1:1	10	0.562	1.300	0.731	••
SCC	1739.8	132270	LTE 66	QPSK	A	Open	20						1	99						
PCC	1745	132322	LTE 66	QPSK	A	Close	15	20.8	19.70	0.11	Rear	0	1	0	1:1	10	0.317	1.288	0.408	•
SCC	1735.7	132229	LTE 66	QPSK	A	Close	5						1	24						
PCC	1720	132072	LTE 66	QPSK	A	Close	20	20.8	19.66	-0.17	Rear	0	1	0	1:1	10	0.303	1.300	0.394	••
SCC	1739.8	132270	LTE 66	QPSK	A	Close	20						1	99						
1745	132322	LTE 66	QPSK	I	Open	20	21.5	20.85	-0.19	Rear	0	1	0	1:1		10	0.682	1.161	0.792	-
1745	132322	LTE 66	QPSK	I	Open	20	21.5	20.75	0.09	Rear	0	50	0	1:1		10	0.640	1.189	0.761	-
1745	132322	LTE 66	QPSK	I	Open	20	21.5	20.85	-0.16	Front	0	1	0	1:1		10	0.523	1.161	0.607	-
1745	132322	LTE 66	QPSK	I	Open	20	21.5	20.75	0.19	Front	0	50	0	1:1		10	0.512	1.189	0.609	-
1745	132322	LTE 66	QPSK	I	Open	15	21.5	20.89	-0.02	Rear	0	1	0	1:1		10	0.391	1.151	0.450	-
1745	132322	LTE 66	QPSK	I	Close	20	21.5	20.85	0.00	Rear	0	1	0	1:1		10	0.063	1.161	0.073	-
1745	132322	LTE 66	QPSK	I	Close	20	21.5	20.75	0.00	Rear	0	50	0	1:1		10	0.064	1.189	0.076	-
1745	132322	LTE 66	QPSK	I	Close	20	21.5	20.85	-0.17	Front	0	1	0	1:1		10	0.586	1.161	0.680	-
1745	132322	LTE 66	QPSK	I	Close	20	21.5	20.75	0.16	Front	0	50	0	1:1		10	0.591	1.189	0.703	-
1745	132322	LTE 66	QPSK	I	Close	15	21.5	20.89	-0.09	Front	0	1	0	1:1		10	0.327	1.151	0.376	-
PCC	1745	132322	LTE 66	QPSK	I	Open	15	21.5	20.81	-0.03	Rear	0	1	0	1:1	10	0.379	1.172	0.444	•
SCC	1735.7	132229	LTE 66	QPSK	I	Open	5						1	24						
PCC	1745	132322	LTE 66	QPSK	I	Open	20	21.5	20.78	-0.06	Rear	0	1	0	1:1	10	0.408	1.180	0.481	••
SCC	1725.2	132124	LTE 66	QPSK	I	Open	20						1	99						
PCC	1745	132322	LTE 66	QPSK	I	Close	15	21.5	20.81	0.01	Front	0	1	0	1:1	10	0.297	1.172	0.348	•
SCC	1735.7	132229	LTE 66	QPSK	I	Close	5						1	24						
PCC	1745	132322	LTE 66	QPSK	I	Close	20	21.5	20.78	-0.07	Front	0	1	0	1:1	10	0.304	1.180	0.359	••
SCC	1725.2	132124	LTE 66	QPSK	I	Close	20						1	99						
680.5	133297	LTE 71	QPSK	A	Open	20	25.0	24.01	0.15	Rear	0	1	99	1:1		10	0.307	1.256	0.386	-
680.5	133297	LTE 71	QPSK	A	Open	20	24.0	22.90	0.07	Rear	0	50	0	1:1		10	0.233	1.288	0.300	-
680.5	133297	LTE 71	QPSK	A	Open	20	25.0	24.01	0.11	Front	0	1	99	1:1		10	0.249	1.256	0.313	-
680.5	133297	LTE 71	QPSK	A	Open	20	24.0	22.90	-0.07	Front	0	50	0	1:1		10	0.193	1.288	0.249	-
680.5	133297	LTE 71	QPSK	A	Close	20	25.0	24.01	-0.17	Rear	0	1	99	1:1		10	0.192	1.256	0.241	B14
680.5	133297	LTE 71	QPSK	A	Close	20	24.0	22.90	-0.12	Rear	1	50	0	1:1		10	0.159	1.288	0.205	-
680.5	133297	LTE 71	QPSK	A	Close	20	25.0	24.01	-0.15	Front	0	1	99	1:1		10	0.091	1.256	0.114	-
680.5	133297	LTE 71	QPSK	A	Close	20	24.0	22.90	-0.05	Front	1	50	0	1:1		10	0.058	1.288	0.075	-
ANSI/ IEEE C95.1 - 2005 - Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Body 1.6 W/kg Averaged over 1 gram									

- Up-link Carrier Aggregation (66B)
- Up-link Carrier Aggregation (66C)

LTE TDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																			
2 506	39750	LTE 41	QPSK	B	Open	20	22.0	21.14	0.00	Rear	0	1	0	1:1.58		10	0.409	1.219	0.499	-
2 506	39750	LTE 41	QPSK	B	Open	20	21.0	20.09	0.00	Rear	1	50	0	1:1.58		10	0.326	1.233	0.402	-
2 506	39750	LTE 41	QPSK	B	Open	20	22.0	21.14	-0.06	Front	0	1	0	1:1.58		10	0.293	1.219	0.357	-
2 506	39750	LTE 41	QPSK	B	Open	20	21.0	20.09	0.11	Front	1	50	0	1:1.58		10	0.230	1.233	0.284	-
2 506	39750	LTE 41(PC2)	QPSK	B	Open	20	24.1	23.60	0.00	Rear	0	1	0	1:2.31		10	0.414	1.122	0.465	-
2 506	39750	LTE 41	QPSK	B	Open	20	22.0	20.97	0.00	Rear	0	1	99	1:1.58		10	0.406	1.268	0.515	-
2 506	39750	LTE 41(PC2)	QPSK	B	Open	20	24.1	23.60	0.00	Rear	0	1	99	1:2.31		10	0.411	1.122	0.461	-
2 506	39750	LTE 41	QPSK	B	Close	20	22.0	21.14	0.00	Rear	0	1	0	1:1.58		10	0.259	1.219	0.316	-
2 506	39750	LTE 41	QPSK	B	Close	20	21.0	20.09	0.00	Rear	1	50	0	1:1.58		10	0.216	1.233	0.266	-
2 506	39750	LTE 41	QPSK	B	Close	20	22.0	21.14	0.00	Front	0	1	0	1:1.58		10	0.019	1.219	0.023	-
2 506	39750	LTE 41	QPSK	B	Close	20	21.0	20.09	0.00	Front	1	50	0	1:1.58		10	0.020	1.233	0.025	-
2 506	39750	LTE 41(PC2)	QPSK	B	Close	20	24.1	23.60	0.00	Rear	0	1	0	1:2.31		10	0.291	1.122	0.327	-
2 506	39750	LTE 41	QPSK	B	Close	20	22.0	20.97	0.00	Rear	0	1	99	1:1.58		10	0.262	1.268	0.332	-
2 506	39750	LTE 41(PC2)	QPSK	B	Close	20	24.1	23.60	0.10	Rear	0	1	99	1:2.31		10	0.282	1.122	0.316	-
PCC	2 506	39750	LTE 41	QPSK	B	Open	20	22.0	21.6	0.00	Rear	0	1	99		10	0.429	1.096	0.470	•
SCC	2 525.8	39948	LTE 41	QPSK	B	Open	20					0	1	0						
PCC	2 680	39750	LTE 41	QPSK	B	Close	20	22.0	21.6	0.00	Rear	0	1	99		10	0.278	1.096	0.305	•
SCC	2 525.8	39948	LTE 41	QPSK	B	Close	20					0	1	0						
PCC	2 506	39750	LTE 41(PC2)	QPSK	B	Open	20	24.1	23.6	0.00	Rear	0	1	99		10	0.414	1.122	0.465	••
SCC	2 525.8	39948	LTE 41(PC2)	QPSK	B	Open	20					0	1	0						
PCC	2 680	39750	LTE 41(PC2)	QPSK	B	Close	20	24.1	23.6	0.10	Rear	0	1	99		10	0.283	1.122	0.318	••
SCC	2 525.8	39948	LTE 41(PC2)	QPSK	B	Close	20					0	1	0						
2 680	41490	LTE 41	QPSK	I	Open	20	23.5	23.25	-0.17	Rear	0	1	0	1:1.58		10	0.478	1.059	0.506	-
2 680	41490	LTE 41	QPSK	I	Open	20	23.5	23.17	0.19	Rear	0	50	0	1:1.58		10	0.470	1.079	0.507	-
2 680	41490	LTE 41	QPSK	I	Open	20	23.5	23.25	-0.05	Front	0	1	0	1:1.58		10	0.364	1.059	0.385	-
2 680	41490	LTE 41	QPSK	I	Open	20	23.5	23.17	0.19	Front	0	50	0	1:1.58		10	0.358	1.079	0.386	-
2 680	41490	LTE 41(PC2)	QPSK	I	Open	20	25.1	24.79	0.00	Rear	0	50	0	1:2.31		10	0.489	1.074	0.525	B15
2 680	41490	LTE 41	QPSK	I	Close	20	23.5	23.25	-0.02	Rear	0	1	0	1:1.58		10	0.119	1.059	0.126	-
2 680	41490	LTE 41	QPSK	I	Close	20	23.5	23.17	0.17	Rear	0	50	0	1:1.58		10	0.116	1.079	0.125	-
2 680	41490	LTE 41	QPSK	I	Close	20	23.5	23.25	-0.12	Front	0	1	0	1:1.58		10	0.358	1.059	0.379	-
2 680	41490	LTE 41	QPSK	I	Close	20	23.5	23.17	-0.14	Front	0	50	0	1:1.58		10	0.352	1.079	0.380	-
2 680	41490	LTE 41(PC2)	QPSK	I	Close	20	25.1	24.79	-0.06	Front	0	50	0	1:2.31		10	0.357	1.074	0.383	-
PCC	2 680	41490	LTE 41	QPSK	I	Open	20	23.5	22.87	0.15	Rear	0	50	0		10	0.317	1.156	0.366	•
SCC	2 660.2	41292	LTE 41	QPSK	I	Open	20					0	50	49						
PCC	2 680	41490	LTE 41	QPSK	I	Close	20	23.5	22.87	-0.13	Front	0	50	0		10	0.242	1.156	0.280	•
SCC	2 660.2	41292	LTE 41	QPSK	I	Close	20					0	50	49						
PCC	2 680	41490	LTE 41(PC2)	QPSK	I	Open	20	25.1	24.26	-0.12	Rear	0	50	0		10	0.285	1.213	0.346	••
SCC	2 660.2	41292	LTE 41(PC2)	QPSK	I	Open	20					0	50	0						
PCC	2 680	41490	LTE 41(PC2)	QPSK	I	Close	20	25.1	24.26	0.00	Front	0	50	0		10	0.216	1.213	0.262	••
SCC	2 660.2	41292	LTE 41(PC2)	QPSK	I	Close	20					0	50	49						

ANSI/ IEEE C95.1 - 2005- Safety Limit
Spatial Peak
Uncontrolled Exposure/ General Population

Body
1.6 W/kg
Averaged over 1 gram

- Up-link Carrier Aggregation Power Class 3 (41C)
- Up-link Carrier Aggregation Power Class 2 (HPUE) (41C)

LTE TDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Bandwidth (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																			
3 560	55340	LTE 48	QPSK	F	Open	20	22.0	21.53	0.11	Rear	0	1	99	1:1.58		10	0.292	1.114	0.325	-
3 560	55340	LTE 48	QPSK	F	Open	20	22.0	21.59	-0.11	Rear	0	50	49	1:1.58		10	0.323	1.099	0.355	-
3 560	55340	LTE 48	QPSK	F	Open	20	22.0	21.53	-0.08	Front	0	1	99	1:1.58		10	0.187	1.114	0.208	-
3 560	55340	LTE 48	QPSK	F	Open	20	22.0	21.59	-0.12	Front	0	50	49	1:1.58		10	0.147	1.099	0.162	-
3 560	55340	LTE 48	QPSK	F	Close	20	22.0	21.53	0.08	Rear	0	1	99	1:1.58		10	0.051	1.114	0.057	-
3 560	55340	LTE 48	QPSK	F	Close	20	22.0	21.59	0.19	Rear	0	50	49	1:1.58		10	0.052	1.099	0.057	-
3 560	55340	LTE 48	QPSK	F	Close	20	22.0	21.53	0.12	Front	0	1	99	1:1.58		10	0.425	1.114	0.473	-
3 560	55340	LTE 48	QPSK	F	Close	20	22.0	21.59	-0.13	Front	0	50	49	1:1.58		10	0.431	1.099	0.474	-
PCC	3 560	55340	LTE 48	QPSK	F	Open	20	22.0	20.67	-0.06	Rear	0	50	49		10	0.256	1.358	0.348	•
SCC	3579.80	55538										20	20	0						
PCC	3 560	55340	LTE 48	QPSK	F	Close	20	22.0	20.67	0.11	Front	0	50	49		10	0.387	1.358	0.526	B16•
SCC	3579.80	55538										20	20	0						
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Body 1.6 W/kg Averaged over 1 gram									

• Up-link Carrier Aggregation (48C)

NR FDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.					(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(mm)	(W/kg)	
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Open	40	20.0	19.17	0.12	Rear	0	1	1	1:1		10	0.321	1.211	0.389	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Open	40	20.0	19.24	-0.16	Rear	0	108	0	1:1		10	0.241	1.191	0.287	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Open	40	20.0	19.17	-0.18	Front	0	1	1	1:1		10	0.297	1.211	0.360	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Open	40	20.0	19.24	0.17	Front	0	108	0	1:1		10	0.314	1.191	0.374	-
2 535	507000	NR n7	CP QPSK	B	Open	40	20.0	19.23	0.13	Rear	0.3	1	1	1:1		10	0.377	1.194	0.450	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Close	40	20.0	19.17	-0.11	Rear	0	1	1	1:1		10	0.234	1.211	0.283	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Close	40	20.0	19.24	0.14	Rear	0	108	0	1:1		10	0.259	1.191	0.308	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Close	40	20.0	19.17	0.16	Front	0	1	1	1:1		10	0.027	1.211	0.033	-
2 535	507000	NR n7	DFT-s OFDM QPSK	B	Close	40	20.0	19.24	0.14	Front	0	108	0	1:1		10	0.028	1.191	0.033	-
2 535	507000	NR n7	CP QPSK	B	Close	40	20.0	19.23	0.13	Rear	0.3	1	1	1:1		10	0.248	1.194	0.296	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Open	40	21.5	20.85	0.11	Rear	0	1	1	1:1		10	0.496	1.161	0.576	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Open	40	21.5	20.84	0.18	Rear	0	108	54	1:1		10	0.515	1.164	0.599	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Open	40	21.5	20.85	-0.18	Front	0	1	1	1:1		10	0.418	1.161	0.485	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Open	40	21.5	20.84	-0.11	Front	0	108	54	1:1		10	0.449	1.164	0.523	-
2 535	507000	NR n7	CP QPSK	I	Open	40	21.5	20.91	0.19	Rear	0	1	1	1:1		10	0.560	1.146	0.642	B17
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Close	40	21.5	20.85	0.17	Rear	0	1	1	1:1		10	0.109	1.161	0.127	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Close	40	21.5	20.84	0.14	Rear	0	108	54	1:1		10	0.102	1.164	0.119	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Close	40	21.5	20.85	-0.17	Front	0	1	1	1:1		10	0.445	1.161	0.517	-
2 535	507000	NR n7	DFT-s OFDM QPSK	I	Close	40	21.5	20.84	-0.18	Front	0	108	54	1:1		10	0.458	1.164	0.533	-
2 535	507000	NR n7	CP QPSK	I	Close	40	21.5	20.91	-0.17	Front	0	1	1	1:1		10	0.471	1.146	0.540	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Open	15	23.0	22.36	-0.08	Rear	0	1	1	1:1		10	0.280	1.159	0.325	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Open	15	23.0	22.28	0.04	Rear	0	36	22	1:1		10	0.282	1.180	0.333	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Open	15	23.0	22.36	0.01	Front	0	1	1	1:1		10	0.191	1.159	0.221	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Open	15	23.0	22.28	-0.01	Front	0	36	22	1:1		10	0.190	1.180	0.224	-
707.5	141500	NR n12	CP QPSK	A	Open	15	22.5	22.38	-0.00	Rear	0.5	1	1	1:1		10	0.162	1.028	0.167	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Close	15	23.0	22.36	0.00	Rear	0	1	1	1:1		10	0.318	1.159	0.369	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Close	15	23.0	22.28	-0.12	Rear	0	36	22	1:1		10	0.332	1.180	0.392	B18
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Close	15	23.0	22.36	0.11	Front	0	1	1	1:1		10	0.090	1.159	0.104	-
707.5	141500	NR n12	DFT-s OFDM QPSK	A	Close	15	23.0	22.28	0.17	Front	0	36	22	1:1		10	0.102	1.180	0.120	-
707.5	141500	NR n12	CP QPSK	A	Close	15	22.5	22.38	0.13	Rear	0.5	1	1	1:1		10	0.198	1.028	0.204	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Open	40	21.3	20.50	0.10	Rear	0	1	108	1:1		10	0.986	1.202	1.185	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Open	40	21.3	20.47	0.05	Rear	0	108	54	1:1		10	0.980	1.211	1.187	B19
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Open	40	21.3	20.50	0.13	Front	0	1	108	1:1		10	0.629	1.202	0.756	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Open	40	21.3	20.47	-0.05	Front	0	108	54	1:1		10	0.637	1.211	0.771	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Open	40	21.3	20.50	-0.16	Rear	0	1	108	1:1		10	0.921	1.202	1.107	#
1 882.5	376500	NR n25	CP QPSK	A	Open	40	21.3	20.33	-0.13	Rear	0	1	1	1:1		10	0.865	1.250	1.081	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Close	40	21.3	20.50	-0.11	Rear	0	1	108	1:1		10	0.698	1.202	0.839	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Close	40	21.3	20.47	-0.12	Rear	0	108	54	1:1		10	0.710	1.211	0.860	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Close	40	21.3	20.30	-0.14	Rear	0	216	0	1:1		10	0.683	1.259	0.860	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Close	40	21.3	20.50	-0.01	Front	0	1	108	1:1		10	0.096	1.202	0.115	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	A	Close	40	21.3	20.47	0.00	Front	0	108	54	1:1		10	0.102	1.211	0.124	-
1 882.5	376500	NR n25	CP QPSK	A	Close	40	21.3	20.33	0.09	Rear	0	1	1	1:1		10	0.577	1.250	0.721	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Open	40	22.0	20.95	0.08	Rear	0	1	214	1:1		10	0.497	1.274	0.633	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Open	40	22.0	20.85	0.11	Rear	0	108	54	1:1		10	0.520	1.303	0.678	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Open	40	22.0	20.95	-0.15	Front	0	1	214	1:1		10	0.450	1.274	0.573	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Open	40	22.0	20.85	0.00	Front	0	108	54	1:1		10	0.491	1.303	0.640	-
1 882.5	376500	NR n25	CP QPSK	I	Open	40	22.0	21.16	0.19	Rear	0	1	1	1:1		10	0.522	1.213	0.633	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Close	40	22.0	20.95	-0.15	Rear	0	1	214	1:1		10	0.050	1.274	0.064	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Close	40	22.0	20.85	-0.03	Rear	0	108	54	1:1		10	0.052	1.303	0.068	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Close	40	22.0	20.95	-0.10	Front	0	1	214	1:1		10	0.517	1.274	0.659	-
1 882.5	376500	NR n25	DFT-s OFDM QPSK	I	Close	40	22.0	20.85	-0.12	Front	0	108	54	1:1		10	0.565	1.303	0.736	-
1 882.5	376500	NR n25	CP QPSK	I	Close	40	22.0	21.16	0.14	Front	0	1	1	1:1		10	0.570	1.213	0.691	-

 ANSI/ IEEE C95.1 - 2005- Safety Limit
 Spatial Peak
 Uncontrolled Exposure/ General Population

 Body 1.6 W/kg
 Averaged over 1 gram

Note: # Data entry indicate Variability measurement.

NR FDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																			
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Open	20	24.5	23.63	0.07	Rear	0	1	53	1:1		10	0.372	1.222	0.455	-
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Open	20	24.5	23.63	0.11	Rear	0	50	28	1:1		10	0.384	1.222	0.469	-
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Open	20	24.5	23.63	-0.08	Front	0	1	53	1:1		10	0.293	1.222	0.358	-
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Open	20	24.5	23.63	-0.14	Front	0	50	28	1:1		10	0.294	1.222	0.359	-
831.5	166300	NR n26	CP QPSK	A	Open	20	23.0	22.05	-0.16	Rear	1.5	1	1	1:1		10	0.152	1.245	0.189	-
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Close	20	24.5	23.63	-0.16	Rear	0	1	53	1:1		10	0.439	1.222	0.536	-
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Close	20	24.5	23.63	-0.13	Rear	0	50	28	1:1		10	0.444	1.222	0.543	B20
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Close	20	24.5	23.63	0.13	Front	0	1	53	1:1		10	0.08	1.222	0.098	-
831.5	166300	NR n26	DFT-s OFDM QPSK	A	Close	20	24.5	23.63	0.08	Front	0	50	28	1:1		10	0.08	1.222	0.098	-
831.5	166300	NR n26	CP QPSK	A	Close	20	23.0	22.05	-0.19	Rear	1.5	1	1	1:1		10	0.307	1.245	0.382	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Open	10	20.0	19.16	0.12	Rear	0	1	1	1:1		10	0.421	1.213	0.511	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Open	10	20.0	19.17	0.18	Rear	0	25	0	1:1		10	0.437	1.211	0.529	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Open	10	20.0	19.16	0.13	Front	0	1	1	1:1		10	0.317	1.213	0.385	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Open	10	20.0	19.17	0.16	Front	0	25	0	1:1		10	0.325	1.211	0.394	-
2 310	462000	NR n30	CP QPSK	B	Open	10	20.0	19.53	0.12	Rear	0	1	1	1:1		10	0.426	1.114	0.475	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Close	10	20.0	19.16	-0.19	Rear	0	1	1	1:1		10	0.319	1.213	0.387	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Close	10	20.0	19.17	0.15	Rear	0	25	0	1:1		10	0.322	1.211	0.390	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Close	10	20.0	19.16	0.00	Front	0	1	1	1:1		10	0.036	1.213	0.044	-
2 310	462000	NR n30	DFT-s OFDM QPSK	B	Close	10	20.0	19.17	-0.17	Front	0	25	0	1:1		10	0.043	1.211	0.052	-
2 310	462000	NR n30	CP QPSK	B	Close	10	20.0	19.53	-0.02	Rear	0	1	1	1:1		10	0.38	1.114	0.423	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Open	10	22.0	21.05	-0.01	Rear	0	1	1	1:1		10	0.585	1.245	0.728	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Open	10	22.0	21.03	0.12	Rear	0	25	0	1:1		10	0.584	1.250	0.730	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Open	10	22.0	21.05	-0.01	Front	0	1	1	1:1		10	0.403	1.245	0.502	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Open	10	22.0	21.03	0.01	Front	0	25	0	1:1		10	0.401	1.250	0.501	-
2 310	462000	NR n30	CP QPSK	I	Open	10	22.0	21.18	0.12	Rear	0	1	1	1:1		10	0.652	1.208	0.788	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Close	10	22.0	21.05	0.00	Rear	0	1	1	1:1		10	0.092	1.245	0.115	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Close	10	22.0	21.03	0.10	Rear	0	25	0	1:1		10	0.093	1.250	0.116	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Close	10	22.0	21.05	-0.07	Front	0	1	1	1:1		10	0.647	1.245	0.806	-
2 310	462000	NR n30	DFT-s OFDM QPSK	I	Close	10	22.0	21.03	-0.14	Front	0	25	0	1:1		10	0.647	1.250	0.809	B21
2 310	462000	NR n30	CP QPSK	I	Close	10	22.0	21.18	-0.15	Front	0	1	1	1:1		10	0.669	1.208	0.808	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Open	40	21.3	20.55	-0.17	Rear	0	1	1	1:1		10	0.775	1.189	0.921	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Open	40	21.3	20.59	-0.01	Rear	0	108	54	1:1		10	0.859	1.178	1.012	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Open	40	21.3	20.35	-0.03	Rear	0	216	0	1:1		10	0.824	1.245	1.026	B22
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Open	40	21.3	20.55	0.11	Front	0	1	1	1:1		10	0.491	1.189	0.584	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Open	40	21.3	20.59	0.01	Front	0	108	54	1:1		10	0.523	1.178	0.616	-
1 745	349000	NR n66	CP QPSK	A	Open	40	21.3	20.79	-0.05	Rear	0	1	1	1:1		10	0.783	1.125	0.881	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Open	40	21.3	20.59	0.04	Rear	0	108	54	1:1		10	0.853	1.178	1.005	#
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Close	40	21.3	20.55	-0.12	Rear	0	1	1	1:1		10	0.371	1.189	0.441	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Close	40	21.3	20.59	-0.09	Rear	0	108	54	1:1		10	0.412	1.178	0.485	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Close	40	21.3	20.55	-0.09	Front	0	1	1	1:1		10	0.073	1.189	0.087	-
1 745	349000	NR n66	DFT-s OFDM QPSK	A	Close	40	21.3	20.59	0.10	Front	0	108	54	1:1		10	0.090	1.178	0.106	-
1 745	349000	NR n66	CP QPSK	A	Close	40	21.3	20.80	-0.12	Rear	0	1	1	1:1		10	0.374	1.125	0.421	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Open	40	21.5	20.49	-0.11	Rear	0	1	214	1:1		10	0.436	1.262	0.550	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Open	40	21.5	20.56	-0.19	Rear	0	108	54	1:1		10	0.547	1.242	0.679	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Open	40	21.5	20.49	0.12	Front	0	1	214	1:1		10	0.335	1.262	0.423	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Open	40	21.5	20.56	-0.19	Front	0	108	54	1:1		10	0.420	1.242	0.522	-
1 745	349000	NR n66	CP QPSK	I	Open	40	21.5	20.54	-0.06	Rear	0	1	1	1:1		10	0.389	1.247	0.485	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Close	40	21.5	20.49	-0.04	Rear	0	1	214	1:1		10	0.027	1.262	0.034	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Close	40	21.5	20.56	0.14	Rear	0	108	54	1:1		10	0.024	1.242	0.030	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Close	40	21.5	20.49	-0.12	Front	0	1	214	1:1		10	0.281	1.262	0.355	-
1 745	349000	NR n66	DFT-s OFDM QPSK	I	Close	40	21.5	20.56	-0.14	Front	0	108	54	1:1		10	0.263	1.242	0.327	-
1 745	349000	NR n66	CP QPSK	I	Close	40	21.5	20.54	0.00	Front	0	1	1	1:1		10	0.239	1.247	0.298	-
ANSI/IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Body 1.6 W/kg Averaged over 1 gram									

Note: # Data entry indicate Variability measurement.

NR FDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																			
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Open	15	21.0	19.75	-0.03	Rear	0	1	40	1:1		10	0.554	1.334	0.739	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Open	15	21.0	19.81	0.18	Rear	0	36	43	1:1		10	0.591	1.315	0.777	B23
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Open	15	21.0	19.75	0.13	Front	0	1	40	1:1		10	0.210	1.334	0.280	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Open	15	21.0	19.81	0.13	Front	0	36	43	1:1		10	0.222	1.315	0.292	-
1702.5	340500	NR n70	CP QPSK	A	Open	15	21.0	19.77	0.16	Rear	0	1	1	1:1		10	0.280	1.327	0.372	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Close	15	21.0	19.75	0.06	Rear	0	1	40	1:1		10	0.131	1.334	0.175	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Close	15	21.0	19.81	-0.02	Rear	0	36	43	1:1		10	0.136	1.315	0.179	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Close	15	21.0	19.75	0.03	Front	0	1	40	1:1		10	0.040	1.334	0.053	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	A	Close	15	21.0	19.81	-0.14	Front	0	36	43	1:1		10	0.043	1.315	0.057	-
1702.5	340500	NR n70	CP QPSK	A	Close	15	21.0	19.77	-0.03	Rear	0	1	1	1:1		10	0.122	1.327	0.162	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Open	15	22.0	20.95	-0.14	Rear	0	1	77	1:1		10	0.400	1.274	0.510	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Open	15	22.0	20.91	0.11	Rear	0	36	22	1:1		10	0.408	1.285	0.524	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Open	15	22.0	20.95	0.14	Front	0	1	77	1:1		10	0.407	1.274	0.519	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Open	15	22.0	20.91	-0.11	Front	0	36	22	1:1		10	0.352	1.285	0.452	-
1702.5	340500	NR n70	CP QPSK	I	Open	15	22.0	21.14	0.16	Front	0	1	1	1:1		10	0.425	1.219	0.518	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Close	15	22.0	20.95	-0.11	Rear	0	1	77	1:1		10	0.038	1.274	0.048	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Close	15	22.0	20.91	0.00	Rear	0	36	22	1:1		10	0.037	1.285	0.048	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Close	15	22.0	20.95	0.15	Front	0	1	77	1:1		10	0.228	1.274	0.290	-
1702.5	340500	NR n70	DFT-s OFDM QPSK	I	Close	15	22.0	20.91	-0.06	Front	0	36	22	1:1		10	0.219	1.285	0.281	-
1702.5	340500	NR n70	CP QPSK	I	Close	15	22.0	21.14	-0.15	Front	0	1	1	1:1		10	0.217	1.219	0.265	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Open	20	25.0	24.44	-0.15	Rear	0	1	1	1:1		10	0.115	1.138	0.131	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Open	20	25.0	24.51	-0.02	Rear	0	50	28	1:1		10	0.125	1.119	0.140	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Open	20	25.0	24.44	-0.12	Front	0	1	1	1:1		10	0.062	1.138	0.071	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Open	20	25.0	24.51	0.15	Front	0	50	28	1:1		10	0.068	1.119	0.076	-
680.5	136100	NR n71	CP QPSK	A	Open	20	23.5	22.95	-0.07	Rear	1.5	1	1	1:1		10	0.192	1.135	0.218	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Close	20	25.0	24.44	-0.19	Rear	0	1	1	1:1		10	0.259	1.138	0.295	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Close	20	25.0	24.51	-0.02	Rear	0	50	28	1:1		10	0.311	1.119	0.348	B24
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Close	20	25.0	24.44	0.16	Front	0	1	1	1:1		10	0.048	1.138	0.055	-
680.5	136100	NR n71	DFT-s OFDM QPSK	A	Close	20	25.0	24.51	0.16	Front	0	50	28	1:1		10	0.067	1.119	0.075	-
680.5	136100	NR n71	CP QPSK	A	Close	20	23.5	22.95	-0.08	Rear	1.5	1	1	1:1		10	0.171	1.135	0.194	-
ANSI/ IEEE C95.1 - 2005- Safety Limit											Body									
Spatial Peak											1.6 W/kg									
Uncontrolled Exposure/ General Population											Averaged over 1 gram									

NR TDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																			
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Open	40	20.5	20.26	0.16	Rear	0	1	1	1:1		10	0.584	1.057	0.617	-
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Open	40	20.5	20.20	0.12	Rear	0	50	28	1:1		10	0.491	1.072	0.526	-
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Open	40	20.5	20.26	-0.18	Front	0	1	1	1:1		10	0.430	1.057	0.455	-
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Open	40	20.5	20.20	0.00	Front	0	50	28	1:1		10	0.370	1.072	0.397	-
2 595	519000	NR n38	CP QPSK	B	Open	40	20.5	19.61	-0.18	Rear	0	1	1	1:1		10	0.517	1.227	0.634	B25
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Close	40	20.5	20.26	-0.14	Rear	0	1	1	1:1		10	0.399	1.057	0.422	-
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Close	40	20.5	20.20	-0.18	Rear	0	50	28	1:1		10	0.420	1.072	0.450	-
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Close	40	20.5	20.26	-0.10	Front	0	1	1	1:1		10	0.030	1.057	0.032	-
2 595	519000	NR n38	DFT-s OFDM QPSK	B	Close	40	20.5	20.20	-0.19	Front	0	50	28	1:1		10	0.033	1.072	0.035	-
2 595	519000	NR n38	CP QPSK	B	Close	40	20.5	19.61	-0.15	Rear	0	1	1	1:1		10	0.427	1.227	0.524	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Open	100	22.0	21.48	-0.04	Rear	0	1	1	1:1		10	0.557	1.127	0.628	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Open	100	22.0	21.57	0.13	Rear	0	135	69	1:1		10	0.576	1.104	0.636	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Open	100	22.0	21.37	0.10	Rear	0	270	0	1:1		10	0.636	1.156	0.735	B26
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Open	100	22.0	21.48	-0.07	Front	0	1	1	1:1		10	0.355	1.127	0.400	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Open	100	22.0	21.57	0.04	Front	0	135	69	1:1		10	0.332	1.104	0.367	-
2 592.99	518598	NR n41	CP QPSK	I	Open	100	22.0	21.46	-0.02	Rear	0	1	1	1:1		10	0.595	1.132	0.674	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Close	100	22.0	21.48	-0.04	Rear	0	1	1	1:1		10	0.246	1.127	0.277	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Close	100	22.0	21.57	-0.01	Rear	0	135	69	1:1		10	0.214	1.104	0.236	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Close	100	22.0	21.48	-0.05	Front	0	1	1	1:1		10	0.444	1.127	0.500	-
2 592.99	518598	NR n41	DFT-s OFDM QPSK	I	Close	100	22.0	21.57	-0.12	Front	0	135	69	1:1		10	0.494	1.104	0.545	-
2 592.99	518598	NR n41	CP QPSK	I	Close	100	22.0	21.46	-0.15	Front	0	1	1	1:1		10	0.535	1.132	0.606	-
2 592.99	518598	NR n41	CW SRS #2	B	Open	100	17.0	15.60	0.00	Rear	0	-	-	1:1		10	0.283	1.380	0.391	-
2 592.99	518598	NR n41	CW SRS #2	B	Open	100	17.0	15.60	0.00	Front	0	-	-	1:1		10	0.053	1.380	0.073	-
2 592.99	518598	NR n41	CW SRS #3	F	Open	100	19.0	17.70	0.10	Rear	0	-	-	1:1		10	0.201	1.349	0.271	-
2 592.99	518598	NR n41	CW SRS #3	F	Open	100	19.0	17.70	-0.08	Front	0	-	-	1:1		10	0.141	1.349	0.190	-
2 592.99	518598	NR n41	CW SRS #4	C	Open	100	13.5	12.91	-0.17	Rear	0	-	-	1:1		10	0.065	1.146	0.074	-
2 592.99	518598	NR n41	CW SRS #4	C	Open	100	13.5	12.91	0.16	Front	0	-	-	1:1		10	0.047	1.146	0.054	-
2 592.99	518598	NR n41	CW SRS #2	B	Close	100	17.0	15.60	0.00	Rear	0	-	-	1:1		10	0.180	1.380	0.248	-
2 592.99	518598	NR n41	CW SRS #2	B	Close	100	17.0	15.60	-0.06	Front	0	-	-	1:1		10	0.015	1.380	0.021	-
2 592.99	518598	NR n41	CW SRS #3	F	Close	100	19.0	17.70	0.00	Rear	0	-	-	1:1		10	0.039	1.349	0.053	-
2 592.99	518598	NR n41	CW SRS #3	F	Close	100	19.0	17.70	0.16	Front	0	-	-	1:1		10	0.159	1.349	0.214	-
2 592.99	518598	NR n41	CW SRS #4	C	Close	100	13.5	12.91	-0.07	Rear	0	-	-	1:1		10	0.047	1.146	0.054	-
2 592.99	518598	NR n41	CW SRS #4	C	Close	100	13.5	12.91	0.09	Front	0	-	-	1:1		10	0.013	1.146	0.015	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Body 1.6 W/kg Averaged over 1 gram									

NR TDD Band Body-Worn SAR

Frequency		Band	Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.					(MHz)	(dBm)	(dBm)	(dB)										(W/kg)	
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Open	40	20.5	19.88	-0.13	Rear	0	1	104	1:1		10	0.246	1.153	0.284	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Open	40	20.5	19.85	-0.11	Rear	0	50	0	1:1		10	0.249	1.161	0.289	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Open	40	20.5	19.88	0.11	Front	0	1	104	1:1		10	0.107	1.153	0.123	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Open	40	20.5	19.85	0.12	Front	0	50	0	1:1		10	0.129	1.161	0.150	-
3 624.99	641666	NR n48	CP QPSK	F	Open	40	20.5	19.89	0.01	Rear	0	1	1	1:1		10	0.266	1.151	0.306	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Close	40	20.5	19.88	-0.15	Rear	0	1	104	1:1		10	0.026	1.153	0.030	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Close	40	20.5	19.85	0.02	Rear	0	50	0	1:1		10	0.028	1.161	0.033	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Close	40	20.5	19.88	0.11	Front	0	1	104	1:1		10	0.275	1.153	0.317	-
3 624.99	641666	NR n48	DFT-s OFDM QPSK	F	Close	40	20.5	19.85	-0.19	Front	0	50	0	1:1		10	0.331	1.161	0.384	B27
3 624.99	641666	NR n48	CP QPSK	F	Close	40	20.5	19.89	0.16	Front	0	1	1	1:1		10	0.316	1.151	0.364	-
3 570.00	638000	NR n48	CW SRS #2	I	Open	40	20.5	20.11	0.11	Rear	0	-	-	1:1		10	0.166	1.094	0.182	-
3 570.00	638000	NR n48	CW SRS #2	I	Open	40	20.5	20.11	0.06	Front	0	-	-	1:1		10	0.126	1.094	0.138	-
3 570.00	638000	NR n48	CW SRS #3	E	Open	40	20.5	20.18	0.17	Rear	0	-	-	1:1		10	0.19	1.076	0.204	-
3 570.00	638000	NR n48	CW SRS #3	E	Open	40	20.5	20.18	-0.09	Front	0	-	-	1:1		10	0.099	1.076	0.107	-
3 570.00	638000	NR n48	CW SRS #4	C	Open	40	14.0	13.78	-0.14	Rear	0	-	-	1:1		10	0.124	1.052	0.130	-
3 570.00	638000	NR n48	CW SRS #4	C	Open	40	14.0	13.78	-0.17	Front	0	-	-	1:1		10	0.079	1.052	0.083	-
3 570.00	638000	NR n48	CW SRS #2	I	Close	40	20.5	20.11	0.00	Rear	0	-	-	1:1		10	0.00875	1.094	0.010	-
3 570.00	638000	NR n48	CW SRS #2	I	Close	40	20.5	20.11	-0.12	Front	0	-	-	1:1		10	0.212	1.094	0.232	-
3 570.00	638000	NR n48	CW SRS #3	E	Close	40	20.5	20.18	-0.09	Rear	0	-	-	1:1		10	0.059	1.076	0.063	-
3 570.00	638000	NR n48	CW SRS #3	E	Close	40	20.5	20.18	-0.15	Front	0	-	-	1:1		10	0.107	1.076	0.115	-
3 570.00	638000	NR n48	CW SRS #4	C	Close	40	14.0	13.78	0.00	Rear	0	-	-	1:1		10	0.068	1.052	0.072	-
3 570.00	638000	NR n48	CW SRS #4	C	Close	40	14.0	13.78	0.00	Front	0	-	-	1:1		10	0.00882	1.052	0.009	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.87	0.16	Rear	0	1	271	1:1		10	0.306	1.156	0.354	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.83	-0.11	Rear	0	135	138	1:1		10	0.275	1.167	0.321	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.87	-0.12	Front	0	1	271	1:1		10	0.075	1.156	0.087	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.83	0.00	Front	0	135	138	1:1		10	0.089	1.167	0.104	-
3 930	662000	NR n77	CP QPSK	F	Open	100	19.5	18.79	-0.14	Rear	0	1	1	1:1		10	0.316	1.178	0.372	-
3 500.01	633334	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.57	0.16	Rear	0	1	271	1:1		10	0.422	1.239	0.523	-
3 500.01	633334	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.33	0.06	Rear	0	135	138	1:1		10	0.516	1.309	0.675	B28
3 500.01	633334	NR n77	DFT-s OFDM QPSK	F	Open	100	19.5	18.10	-0.07	Rear	0	270	0	1:1		10	0.487	1.380	0.672	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.87	-0.06	Rear	0	1	271	1:1		10	0.032	1.156	0.037	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.83	-0.15	Rear	0	135	138	1:1		10	0.027	1.167	0.032	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.87	-0.10	Front	0	1	271	1:1		10	0.461	1.156	0.533	-
3 750	650000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.75	-0.13	Front	0	1	271	1:1		10	0.398	1.189	0.473	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.83	-0.08	Front	0	135	138	1:1		10	0.392	1.167	0.457	-
3 750	650000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.81	-0.11	Front	0	135	138	1:1		10	0.393	1.172	0.461	-
3 930	662000	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.81	-0.11	Front	0	270	0	1:1		10	0.376	1.172	0.441	-
3 930	662000	NR n77	CP QPSK	F	Close	100	19.5	18.79	-0.03	Front	0	1	1	1:1		10	0.364	1.178	0.429	-
3 500.01	633334	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.57	0.11	Front	0	1	271	1:1		10	0.357	1.239	0.442	-
3 500.01	633334	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.33	-0.17	Front	0	135	138	1:1		10	0.32	1.309	0.419	-
3 500.01	633334	NR n77	DFT-s OFDM QPSK	F	Close	100	19.5	18.10	0.04	Front	0	270	0	1:1		10	0.344	1.380	0.475	-
3 750	650000	NR n77	CW SRS #2	I	Open	100	19.5	18.11	-0.17	Rear	0	-	-	1:1		10	0.118	1.377	0.162	-
3 750	650000	NR n77	CW SRS #2	I	Open	100	19.5	18.11	-0.01	Front	0	-	-	1:1		10	0.060	1.377	0.083	-
3 500.01	633334	NR n77	CW SRS #2	I	Open	100	19.5	17.71	0.18	Rear	0	-	-	1:1		10	0.215	1.510	0.325	-
3 930	662000	NR n77	CW SRS #3	E	Open	100	19.5	17.85	-0.16	Rear	0	-	-	1:1		10	0.135	1.462	0.197	-
3 930	662000	NR n77	CW SRS #3	E	Open	100	19.5	17.85	-0.18	Front	0	-	-	1:1		10	0.117	1.462	0.171	-
3 500.01	633334	NR n77	CW SRS #3	E	Open	100	19.5	17.56	0.12	Rear	0	-	-	1:1		10	0.148	1.563	0.231	-
3 750	650000	NR n77	CW SRS #4	C	Open	100	13.0	12.40	0.00	Rear	0	-	-	1:1		10	0.071	1.148	0.082	-
3 750	650000	NR n77	CW SRS #4	C	Open	100	13.0	12.40	0.00	Front	0	-	-	1:1		10	0.059	1.148	0.068	-
3 500.01	633334	NR n77	CW SRS #4	C	Open	100	13.0	11.65	0.13	Rear	0	-	-	1:1		10	0.121	1.365	0.165	-
3 750	650000	NR n77	CW SRS #2	I	Close	100	19.5	18.11	-0.15	Rear	0	-	-	1:1		10	0.00264	1.377	0.004	-
3 750	650000	NR n77	CW SRS #2	I	Close	100	19.5	18.11	-0.09	Front	0	-	-	1:1		10	0.155	1.377	0.213	-
3 500.01	633334	NR n77	CW SRS #2	I	Close	100	19.5	17.71	-0.18	Front	0	-	-	1:1		10	0.234	1.510	0.353	-
3 930	662000	NR n77	CW SRS #3	E	Close	100	19.5	17.85	0.04	Rear	0	-	-	1:1		10	0.072	1.462	0.105	-
3 930	662000	NR n77	CW SRS #3	E	Close	100	19.5	17.85	-0.12	Front	0	-	-	1:1		10	0.098	1.462	0.143	-
3 500.01	633334	NR n77	CW SRS #3	E	Close	100	19.5	17.56	-0.09	Front	0	-	-	1:1		10	0.125	1.563	0.195	-
3 750	650000	NR n77	CW SRS #4	C	Close	100	13.0	12.40	-0.01	Rear	0	-	-	1:1		10	0.032	1.148	0.037	-
3 750	650000	NR n77	CW SRS #4	C	Close	100	13.0	12.40	0.00	Front	0	-	-	1:1		10	0.0035	1.148	0.004	-
3 500.01	633334	NR n77	CW SRS #4	C	Close	100	13.0	11.65	0.16	Rear	0	-	-	1:1		10	0.101	1.365	0.138	-

 ANSI/ IEEE C95.1 - 2005- Safety Limit
 Spatial Peak
 Uncontrolled Exposure/ General Population

 Body
 1.6 W/kg
 Averaged over 1 gram

DTS Body-Worn SAR

Frequency		Mode	Ant.	Form Factor	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
Mhz	Ch.																	
2 412	1	802.11b	Ant.1	Open	20	1	19.0	17.94	-0.17	Rear	98.8	10	0.263	0.174	1.276	1.012	0.225	B29
2 412	1	802.11b	Ant.1	Open	20	1	19.0	17.94	0.12	Front	98.8	10	0.185	0.121	1.276	1.012	0.156	-
2 437	6	802.11b	Ant.2	Open	20	1	19.0	17.45	-0.03	Rear	98.8	10	0.112	0.071	1.429	1.012	0.103	-
2 437	6	802.11b	Ant.2	Open	20	1	19.0	17.45	0.18	Front	98.8	10	0.0977	0.061	1.429	1.012	0.088	-
2 412	1	802.11b	Ant.1	Close	20	1	19.0	17.94	-0.10	Rear	98.8	10	0.0516	0.034	1.276	1.012	0.044	-
2 412	1	802.11b	Ant.1	Close	20	1	19.0	17.94	-0.17	Front	98.8	10	0.129	0.081	1.276	1.012	0.105	-
2 437	6	802.11b	Ant.2	Close	20	1	19.0	17.45	0.01	Rear	98.8	10	0.0298	0.021	1.429	1.012	0.030	-
2 437	6	802.11b	Ant.2	Close	20	1	19.0	17.45	0.00	Front	98.8	10	0.100	0.043	1.429	1.012	0.062	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population													Body 1.6 W/kg Averaged over 1 gram					

5 GHz WLAN Body-Worn SAR

Frequency		Mode	Ant.	Form Factor	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
Mhz	Ch.																	
5 300	60	802.11a	Ant.1	Open	20	6	16.0	14.85	-0.19	Rear	93.7	10	0.678	0.285	1.303	1.067	0.396	B30
5 300	60	802.11a	Ant.1	Open	20	6	16.0	14.85	0.00	Front	93.7	10	0.303	0.114	1.303	1.067	0.159	-
5 620	124	802.11a	Ant.1	Open	20	6	16.0	15.11	0.10	Rear	93.7	10	0.544	0.216	1.227	1.067	0.283	-
5 620	124	802.11a	Ant.1	Open	20	6	16.0	15.11	0.00	Front	93.7	10	0.269	0.114	1.227	1.067	0.149	-
5 785	157	802.11a	Ant.1	Open	20	6	16.0	15.10	0.19	Rear	93.7	10	0.574	0.222	1.230	1.067	0.291	-
5 785	157	802.11a	Ant.1	Open	20	6	16.0	15.10	0.00	Front	93.7	10	0.291	0.090	1.230	1.067	0.118	-
5 865	173	802.11a	Ant.1	Open	20	6	16.0	15.25	0.19	Rear	93.7	10	0.535	0.216	1.189	1.067	0.274	-
5 865	173	802.11a	Ant.1	Open	20	6	16.0	15.25	0.00	Front	93.7	10	0.271	0.120	1.189	1.067	0.152	-
5 300	60	802.11a	Ant.1	Close	20	6	16.0	14.85	0.00	Rear	93.7	10	0.0448	0.014	1.303	1.067	0.019	-
5 300	60	802.11a	Ant.1	Close	20	6	16.0	14.85	0.14	Front	93.7	10	0.658	0.276	1.303	1.067	0.384	-
5 620	124	802.11a	Ant.1	Close	20	6	16.0	15.11	0.02	Rear	93.7	10	0.0288	0.011	1.227	1.067	0.014	-
5 620	124	802.11a	Ant.1	Close	20	6	16.0	15.11	0.11	Front	93.7	10	0.561	0.191	1.227	1.067	0.250	-
5 785	157	802.11a	Ant.1	Close	20	6	16.0	15.10	0.00	Rear	93.7	10	0.098	0.018	1.230	1.067	0.024	-
5 785	157	802.11a	Ant.1	Close	20	6	16.0	15.10	0.00	Front	93.7	10	0.602	0.195	1.230	1.000	0.240	-
5 865	173	802.11a	Ant.1	Close	20	6	16.0	15.25	0.19	Rear	93.7	10	0.167	0.014	1.189	1.067	0.018	-
5 865	173	802.11a	Ant.1	Close	20	6	16.0	15.25	0.00	Front	93.7	10	0.511	0.194	1.189	1.067	0.246	-
5 300	60	802.11a	Ant.2	Open	20	6	16.0	15.40	0.09	Rear	93.7	10	0.333	0.14	1.148	1.067	0.172	-
5 300	60	802.11a	Ant.2	Open	20	6	16.0	15.40	0.18	Front	93.7	10	0.121	0.048	1.148	1.067	0.059	-
5 600	120	802.11a	Ant.2	Open	20	6	16.0	15.79	0.00	Rear	93.7	10	0.521	0.195	1.050	1.067	0.219	-
5 600	120	802.11a	Ant.2	Open	20	6	16.0	15.79	0.17	Front	93.7	10	0.136	0.036	1.050	1.067	0.040	-
5 785	157	802.11a	Ant.2	Open	20	6	16.0	15.10	-0.19	Rear	93.7	10	0.342	0.090	1.230	1.067	0.118	-
5 785	157	802.11a	Ant.2	Open	20	6	16.0	15.10	0.05	Front	93.7	10	0.127	0.027	1.230	1.067	0.035	-
5 865	173	802.11a	Ant.2	Open	20	6	16.0	14.56	0.19	Rear	93.7	10	0.283	0.077	1.393	1.067	0.114	-
5 865	173	802.11a	Ant.2	Open	20	6	16.0	14.56	0.15	Front	93.7	10	0.177	0.039	1.393	1.067	0.058	-
5 300	60	802.11a	Ant.2	Close	20	6	16.0	15.40	0.00	Rear	93.7	10	0.025	0.00893	1.148	1.067	0.011	-
5 300	60	802.11a	Ant.2	Close	20	6	16.0	15.40	-0.14	Front	93.7	10	0.374	0.081	1.148	1.067	0.099	-
5 600	120	802.11a	Ant.2	Close	20	6	16.0	15.79	0.13	Rear	93.7	10	0.0414	0.0086	1.050	1.067	0.010	-
5 600	120	802.11a	Ant.2	Close	20	6	16.0	15.79	0.00	Front	93.7	10	0.484	0.161	1.050	1.067	0.180	-
5 785	157	802.11a	Ant.2	Close	20	6	16.0	15.10	0.00	Rear	93.7	10	0.0475	0.00768	1.230	1.067	0.010	-
5 785	157	802.11a	Ant.2	Close	20	6	16.0	15.10	0.00	Front	93.7	10	0.243	0.098	1.230	1.067	0.129	-
5 865	173	802.11a	Ant.2	Close	20	6	16.0	14.56	0.00	Rear	93.7	10	0.0616	0.018	1.393	1.067	0.027	-
5 865	173	802.11a	Ant.2	Close	20	6	16.0	14.56	0.00	Front	93.7	10	0.297	0.069	1.393	1.067	0.103	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population													Body 1.6 W/kg Averaged over 1 gram					

DSS Body-Worn SAR

Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Distance	Meas. SAR	Scaling Factor	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.				(dBm)	(dBm)	(dB)		(mm)	(W/kg)		(Duty)	(W/kg)	
2 402	0	Bluetooth DH5	Ant.1	Open	19	18.88	0.19	Rear	10	0.109	1.028	1.010	0.113	B31
2 402	0	Bluetooth DH5	Ant.1	Open	19	18.88	0.12	Front	10	0.100	1.028	1.010	0.104	-
2 441	39	Bluetooth DH5	Ant.2	Open	18	17.55	-0.13	Rear	10	0.092	1.109	1.010	0.103	-
2 441	39	Bluetooth DH5	Ant.2	Open	18	17.55	0.10	Front	10	0.089	1.109	1.010	0.100	-
2 402	0	Bluetooth DH5	Ant.1	Close	19	18.88	-0.12	Rear	10	0.025	1.028	1.010	0.026	-
2 402	0	Bluetooth DH5	Ant.1	Close	19	18.88	0.16	Front	10	0.071	1.028	1.010	0.074	-
2 441	39	Bluetooth DH5	Ant.2	Close	18	17.55	0.00	Rear	10	0.016	1.109	1.010	0.018	-
2 441	39	Bluetooth DH5	Ant.2	Close	18	17.55	0.11	Front	10	0.056	1.109	1.010	0.063	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram						

13.3 Hotspot SAR Measurement Results

GSM 850 Hotspot SAR															
Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.				(dB)	(dB)	(dB)			(mm)		(W/kg)		(W/kg)	
836.6	190	GPRS 4Tx	A	Open	23.5	22.38	-0.02	Rear	1:2.07	10		0.266	1.294	0.344	C1
836.6	190	GPRS 4Tx	A	Open	23.5	22.38	-0.10	Front	1:2.07	10		0.169	1.294	0.219	-
836.6	190	GPRS 4Tx	A	Open	23.5	22.38	-0.17	Left	1:2.07	10		0.138	1.294	0.179	-
836.6	190	GPRS 4Tx	A	Open	23.5	22.38	-0.01	Right	1:2.07	10		0.180	1.294	0.233	-
836.6	190	GPRS 4Tx	A	Open	23.5	22.38	0.17	Bottom	1:2.07	10		0.091	1.294	0.118	-
836.6	190	GPRS 4Tx	A	Close	23.5	22.38	-0.10	Rear	1:2.07	5		0.257	1.294	0.333	-
836.6	190	GPRS 4Tx	A	Close	23.5	22.38	0.05	Front	1:2.07	5		0.037	1.294	0.048	-
836.6	190	GPRS 4Tx	A	Close	23.5	22.38	0.05	Left	1:2.07	5		0.062	1.294	0.080	-
836.6	190	GPRS 4Tx	A	Close	23.5	22.38	-0.02	Right	1:2.07	5		0.028	1.294	0.036	-
836.6	190	GPRS 4Tx	A	Close	23.5	22.38	-0.12	Bottom	1:2.07	5		0.101	1.294	0.131	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

GSM 1900 Hotspot SAR															
Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.				(dB)	(dB)	(dB)			(mm)		(W/kg)		(W/kg)	
1 880	661	GPRS 3Tx	A	Open	21.0	20.27	-0.04	Rear	1:2.77	10		0.276	1.183	0.327	-
1 880	661	GPRS 3Tx	A	Open	21.0	20.27	0.01	Front	1:2.77	10		0.165	1.183	0.195	-
1 880	661	GPRS 3Tx	A	Open	21.0	20.27	0.03	Left	1:2.77	10		0.063	1.183	0.075	-
1 880	661	GPRS 3Tx	A	Open	21.0	20.27	0.19	Right	1:2.77	10		0.028	1.183	0.033	-
1 880	661	GPRS 3Tx	A	Open	21.0	20.27	0.09	Bottom	1:2.77	10		0.400	1.183	0.473	C2
1 880	661	GPRS 3Tx	A	Close	21.0	20.27	-0.01	Rear	1:2.77	5		0.197	1.183	0.233	-
1 880	661	GPRS 3Tx	A	Close	21.0	20.27	0.00	Front	1:2.77	5		0.061	1.183	0.072	-
1 880	661	GPRS 3Tx	A	Close	21.0	20.27	0.07	Left	1:2.77	5		0.021	1.183	0.025	-
1 880	661	GPRS 3Tx	A	Close	21.0	20.27	0.11	Right	1:2.77	5		0.00341	1.183	0.004	-
1 880	661	GPRS 3Tx	A	Close	21.0	20.27	0.03	Bottom	1:2.77	5		0.397	1.183	0.470	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

UMTS Band 5 Hotspot SAR															
Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.				(dB)	(dB)	(dB)			(mm)		(W/kg)		(W/kg)	
836.6	4183	RMC	A	Open	22.5	21.72	0.00	Rear	1:1	10		0.369	1.197	0.442	-
836.6	4183	RMC	A	Open	22.5	21.72	-0.04	Front	1:1	10		0.149	1.197	0.178	-
836.6	4183	RMC	A	Open	22.5	21.72	0.07	Left	1:1	10		0.137	1.197	0.164	-
836.6	4183	RMC	A	Open	22.5	21.72	0.05	Right	1:1	10		0.291	1.197	0.348	-
836.6	4183	RMC	A	Open	22.5	21.72	0.10	Bottom	1:1	10		0.129	1.197	0.154	-
836.6	4183	RMC	A	Close	22.5	21.72	-0.09	Rear	1:1	5		0.412	1.197	0.493	C3
836.6	4183	RMC	A	Close	22.5	21.72	-0.15	Front	1:1	5		0.059	1.197	0.071	-
836.6	4183	RMC	A	Close	22.5	21.72	0.10	Left	1:1	5		0.106	1.197	0.127	-
836.6	4183	RMC	A	Close	22.5	21.72	0.04	Right	1:1	5		0.060	1.197	0.072	-
836.6	4183	RMC	A	Close	22.5	21.72	-0.00	Bottom	1:1	5		0.141	1.197	0.169	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

UMTS Band 4 Hotspot SAR

Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.														
1732.4	1412	RMC	A	Open	18.5	17.60	-0.08	Rear	1:1	10		0.391	1.230	0.481	-
1732.4	1412	RMC	A	Open	18.5	17.60	-0.11	Front	1:1	10		0.239	1.230	0.294	-
1732.4	1412	RMC	A	Open	18.5	17.60	0.18	Left	1:1	10		0.071	1.230	0.087	-
1732.4	1412	RMC	A	Open	18.5	17.60	-0.12	Right	1:1	10		0.068	1.230	0.084	-
1732.4	1412	RMC	A	Open	18.5	17.60	0.10	Bottom	1:1	10		0.547	1.230	0.673	-
1732.4	1412	RMC	A	Close	18.5	17.60	-0.13	Rear	1:1	5		0.559	1.230	0.688	-
1732.4	1412	RMC	A	Close	18.5	17.60	-0.07	Front	1:1	5		0.110	1.230	0.135	-
1732.4	1412	RMC	A	Close	18.5	17.60	0.02	Left	1:1	5		0.138	1.230	0.170	-
1732.4	1412	RMC	A	Close	18.5	17.60	0.12	Right	1:1	5		0.018	1.230	0.022	-
1732.4	1412	RMC	A	Close	18.5	17.60	0.02	Bottom	1:1	5		0.835	1.230	1.027	-
1712.4	1312	RMC	A	Close	18.5	17.59	0.16	Bottom	1:1	5		0.776	1.233	0.957	-
1752.6	1513	RMC	A	Close	18.5	17.66	0.07	Bottom	1:1	5		0.912	1.213	1.106	C4
1752.6	1513	RMC	A	Close	18.5	17.66	0.16	Bottom	1:1	5		0.908	1.213	1.101	#
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

Note: # Data entry indicate Variability measurement.

UMTS Band 2 Hotspot SAR

Frequency		Mode	Ant.	Form Factor	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Distance	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.														
1880	9400	RMC	A	Open	16.5	15.49	0.14	Rear	1:1	10		0.286	1.262	0.361	-
1880	9400	RMC	A	Open	16.5	15.49	0.17	Front	1:1	10		0.179	1.262	0.226	-
1880	9400	RMC	A	Open	16.5	15.49	0.14	Left	1:1	10		0.053	1.262	0.067	-
1880	9400	RMC	A	Open	16.5	15.49	0.12	Right	1:1	10		0.020	1.262	0.025	-
1880	9400	RMC	A	Open	16.5	15.49	0.10	Bottom	1:1	10		0.456	1.262	0.575	C5
1880	9400	RMC	A	Close	16.5	15.49	-0.19	Rear	1:1	5		0.257	1.262	0.324	-
1880	9400	RMC	A	Close	16.5	15.49	0.00	Front	1:1	5		0.051	1.262	0.064	-
1880	9400	RMC	A	Close	16.5	15.49	0.11	Left	1:1	5		0.027	1.262	0.034	-
1880	9400	RMC	A	Close	16.5	15.49	0.01	Right	1:1	5		0.00393	1.262	0.005	-
1880	9400	RMC	A	Close	16.5	15.49	0.18	Bottom	1:1	5		0.406	1.262	0.512	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram							

LTE FDD Band 7 Hotspot SAR

Frequency		Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																		
2 510	20850	QPSK	B	Open	20	17.5	16.98	0.08	Rear	0	1	0	1:1		10	0.159	1.127	0.179	-
2 510	20850	QPSK	B	Open	20	17.5	16.74	0.10	Rear	0	50	25	1:1		10	0.171	1.191	0.204	-
2 510	20850	QPSK	B	Open	20	17.5	16.98	0.00	Front	0	1	0	1:1		10	0.111	1.127	0.125	-
2 510	20850	QPSK	B	Open	20	17.5	16.74	0.00	Front	0	50	25	1:1		10	0.112	1.191	0.133	-
2 510	20850	QPSK	B	Open	20	17.5	16.98	0.18	Left	0	1	0	1:1		10	0.044	1.127	0.050	-
2 510	20850	QPSK	B	Open	20	17.5	16.74	0.11	Left	0	50	25	1:1		10	0.050	1.191	0.060	-
2 510	20850	QPSK	B	Open	20	17.5	16.98	0.14	Bottom	0	1	0	1:1		10	0.509	1.127	0.574	-
2 510	20850	QPSK	B	Open	20	17.5	16.74	0.17	Bottom	0	50	25	1:1		10	0.534	1.191	0.636	-
2 510	20850	QPSK	B	Close	20	17.5	16.98	0.00	Rear	0	1	0	1:1		5	0.364	1.127	0.410	-
2 510	20850	QPSK	B	Close	20	17.5	16.74	0.00	Rear	0	50	25	1:1		5	0.385	1.191	0.459	-
2 510	20850	QPSK	B	Close	20	17.5	16.98	0.00	Front	0	1	0	1:1		5	0.029	1.127	0.033	-
2 510	20850	QPSK	B	Close	20	17.5	16.74	0.00	Front	0	50	25	1:1		5	0.031	1.191	0.037	-
2 510	20850	QPSK	B	Close	20	17.5	16.98	0.18	Left	0	1	0	1:1		5	0.133	1.127	0.150	-
2 510	20850	QPSK	B	Close	20	17.5	16.74	0.10	Left	0	50	25	1:1		5	0.144	1.191	0.172	-
2 510	20850	QPSK	B	Close	20	17.5	16.98	0.14	Bottom	0	1	0	1:1		5	0.612	1.127	0.690	-
2 510	20850	QPSK	B	Close	20	17.5	16.74	0.17	Bottom	0	50	25	1:1		5	0.628	1.191	0.748	-
2 510	20850	QPSK	I	Open	20	19.5	19.01	0.17	Rear	0	1	49	1:1		10	0.175	1.119	0.196	-
2 535	21100	QPSK	I	Open	20	19.5	18.88	0.02	Rear	0	50	49	1:1		10	0.185	1.153	0.213	-
2 510	20850	QPSK	I	Open	20	19.5	19.01	-0.13	Front	0	1	49	1:1		10	0.177	1.119	0.198	-
2 535	21100	QPSK	I	Open	20	19.5	18.88	0.09	Front	0	50	49	1:1		10	0.193	1.153	0.223	-
2 510	20850	QPSK	I	Open	20	19.5	19.01	0.11	Right	0	1	49	1:1		10	0.352	1.119	0.394	-
2 535	21100	QPSK	I	Open	20	19.5	18.88	0.01	Right	0	50	49	1:1		10	0.333	1.153	0.384	-
2 510	20850	QPSK	I	Open	20	19.5	19.01	0.00	Top	0	1	49	1:1		10	0.015	1.119	0.017	-
2 535	21100	QPSK	I	Open	20	19.5	18.88	0.09	Top	0	50	49	1:1		10	0.024	1.153	0.028	-
2 510	20850	QPSK	I	Close	20	19.5	19.01	-0.02	Rear	0	1	0	1:1		5	0.123	1.119	0.138	-
2 535	21100	QPSK	I	Close	20	19.5	18.88	0.10	Rear	0	50	49	1:1		5	0.180	1.153	0.208	-
2 510	20850	QPSK	I	Close	20	19.5	19.01	-0.11	Front	0	1	0	1:1		5	0.414	1.119	0.463	-
2 535	21100	QPSK	I	Close	20	19.5	18.88	0.16	Front	0	50	49	1:1		5	0.497	1.153	0.573	-
2 510	20850	QPSK	I	Close	20	19.5	19.01	0.13	Right	0	1	0	1:1		5	0.769	1.119	0.861	-
2 535	21100	QPSK	I	Close	20	19.5	18.90	0.14	Right	0	1	49	1:1		5	0.810	1.148	0.930	-
2 560	21350	QPSK	I	Close	20	19.5	18.98	0.16	Right	0	1	49	1:1		5	0.813	1.127	0.916	-
2 535	21100	QPSK	I	Close	20	19.5	18.88	0.16	Right	0	50	49	1:1		5	0.823	1.153	0.949	C6
2 510	20850	QPSK	I	Close	20	19.5	18.86	0.05	Right	0	50	25	1:1		5	0.769	1.159	0.891	-
2 560	21350	QPSK	I	Close	20	19.5	18.86	0.09	Right	0	50	25	1:1		5	0.770	1.159	0.892	-
2 510	20850	QPSK	I	Close	20	19.5	18.90	0.19	Right	0	100	0	1:1		5	0.715	1.148	0.821	-
2 510	20850	QPSK	I	Close	20	19.5	19.01	0.17	Top	0	1	0	1:1		5	0.024	1.119	0.027	-
2 535	21100	QPSK	I	Close	20	19.5	18.88	0.14	Top	0	50	49	1:1		5	0.023	1.153	0.027	-
2 560	21350	QPSK	I	Close	20	19.5	19.01	0.18	Bottom	0	1	0	1:1		5	0.032	1.119	0.036	-
2 560	21350	QPSK	I	Close	20	19.5	18.88	0.06	Bottom	0	50	49	1:1		5	0.066	1.153	0.076	-
2 535	21100	QPSK	I	Close	20	19.5	18.88	0.17	Right	0	50	49	1:1		5	0.710	1.153	0.819	#
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Body 1.6 W/kg Averaged over 1 gram									

Note: # Data entry indicate Variability measurement.

LTE FDD Band 12 Hotspot SAR

Frequency		Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																		
707.5	23095	QPSK	A	Open	10	23.0	22.17	-0.19	Rear	0	1	0	1:1		10	0.186	1.211	0.225	-
707.5	23095	QPSK	A	Open	10	23.0	22.14	0.00	Rear	0	25	0	1:1		10	0.186	1.219	0.227	-
707.5	23095	QPSK	A	Open	10	23.0	22.17	-0.06	Front	0	1	0	1:1		10	0.127	1.211	0.154	-
707.5	23095	QPSK	A	Open	10	23.0	22.14	-0.07	Front	0	25	0	1:1		10	0.121	1.219	0.147	-
707.5	23095	QPSK	A	Open	10	23.0	22.17	-0.12	Left	0	1	0	1:1		10	0.147	1.211	0.178	-
707.5	23095	QPSK	A	Open	10	23.0	22.14	0.05	Left	0	25	0	1:1		10	0.144	1.219	0.176	-
707.5	23095	QPSK	A	Open	10	23.0	22.17	-0.11	Right	0	1	0	1:1		10	0.154	1.211	0.186	-
707.5	23095	QPSK	A	Open	10	23.0	22.14	-0.01	Right	0	25	0	1:1		10	0.152	1.219	0.185	-
707.5	23095	QPSK	A	Open	10	23.0	22.17	0.16	Bottom	0	1	0	1:1		10	0.066	1.211	0.080	-
707.5	23095	QPSK	A	Open	10	23.0	22.14	0.15	Bottom	0	25	0	1:1		10	0.065	1.219	0.079	-
707.5	23095	QPSK	A	Close	10	23.0	22.17	-0.16	Rear	0	1	0	1:1		5	0.522	1.211	0.632	-
707.5	23095	QPSK	A	Close	10	23.0	22.14	-0.18	Rear	0	25	0	1:1		5	0.524	1.219	0.639	C7
707.5	23095	QPSK	A	Close	10	23.0	22.17	-0.04	Front	0	1	0	1:1		5	0.080	1.211	0.097	-
707.5	23095	QPSK	A	Close	10	23.0	22.14	0.09	Front	0	25	0	1:1		5	0.082	1.219	0.100	-
707.5	23095	QPSK	A	Close	10	23.0	22.17	-0.13	Left	0	1	0	1:1		5	0.142	1.211	0.172	-
707.5	23095	QPSK	A	Close	10	23.0	22.14	0.02	Left	0	25	0	1:1		5	0.146	1.219	0.178	-
707.5	23095	QPSK	A	Close	10	23.0	22.17	0.17	Right	0	1	0	1:1		5	0.037	1.211	0.045	-
707.5	23095	QPSK	A	Close	10	23.0	22.14	0.17	Right	0	25	0	1:1		5	0.038	1.219	0.046	-
707.5	23095	QPSK	A	Close	10	23.0	22.17	0.11	Bottom	0	1	0	1:1		5	0.186	1.211	0.225	-
707.5	23095	QPSK	A	Close	10	23.0	22.14	0.18	Bottom	0	25	0	1:1		5	0.186	1.219	0.227	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 13 Hotspot SAR

Frequency		Mode	Ant.	Form Factor	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.																		
782	23230	QPSK	A	Open	10	23.0	21.82	0.01	Rear	0	1	24	1:1		10	0.259	1.312	0.340	-
782	23230	QPSK	A	Open	10	23.0	21.88	-0.04	Rear	0	25	12	1:1		10	0.263	1.294	0.340	-
782	23230	QPSK	A	Open	10	23.0	21.82	-0.06	Front	0	1	24	1:1		10	0.171	1.312	0.224	-
782	23230	QPSK	A	Open	10	23.0	21.88	-0.08	Front	0	25	12	1:1		10	0.173	1.294	0.224	-
782	23230	QPSK	A	Open	10	23.0	21.82	0.06	Left	0	1	24	1:1		10	0.105	1.312	0.138	-
782	23230	QPSK	A	Open	10	23.0	21.88	0.07	Left	0	25	12	1:1		10	0.105	1.294	0.136	-
782	23230	QPSK	A	Open	10	23.0	21.82	0.04	Right	0	1	24	1:1		10	0.183	1.312	0.240	-
782	23230	QPSK	A	Open	10	23.0	21.88	0.04	Right	0	25	12	1:1		10	0.184	1.294	0.238	-
782	23230	QPSK	A	Open	10	23.0	21.82	0.13	Bottom	0	1	24	1:1		10	0.101	1.312	0.133	-
782	23230	QPSK	A	Open	10	23.0	21.88	0.14	Bottom	0	25	12	1:1		10	0.104	1.294	0.135	-
782	23230	QPSK	A	Close	10	23.0	21.82	-0.17	Rear	0	1	24	1:1		5	0.622	1.312	0.816	-
782	23230	QPSK	A	Close	10	23.0	21.88	-0.13	Rear	0	25	12	1:1		5	0.631	1.294	0.817	C8
782	23230	QPSK	A	Close	10	23.0	21.82	-0.00	Front	0	1	24	1:1		5	0.170	1.312	0.223	-
782	23230	QPSK	A	Close	10	23.0	21.88	0.17	Front	0	25	12	1:1		5	0.172	1.294	0.223	-
782	23230	QPSK	A	Close	10	23.0	21.82	-0.13	Left	0	1	24	1:1		5	0.140	1.312	0.184	-
782	23230	QPSK	A	Close	10	23.0	21.88	-0.13	Left	0	25	12	1:1		5	0.147	1.294	0.190	-
782	23230	QPSK	A	Close	10	23.0	21.82	0.17	Right	0	1	24	1:1		5	0.061	1.312	0.080	-
782	23230	QPSK	A	Close	10	23.0	21.88	-0.03	Right	0	25	12	1:1		5	0.061	1.294	0.079	-
782	23230	QPSK	A	Close	10	23.0	21.82	0.17	Bottom	0	1	24	1:1		5	0.281	1.312	0.369	-
782	23230	QPSK	A	Close	10	23.0	21.88	0.11	Bottom	0	25	12	1:1		5	0.282	1.294	0.365	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Body 1.6 W/kg Averaged over 1 gram									