

*** 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]	[%]	[%]
1 800	04/18/2022	7622	2d015	Head	20.3	20.3	20.0	1.02	20.4	+ 2.00	± 10
1 800	04/20/2022	7622		Head	19.1	19.1	20.0	1.02	20.4	+ 2.00	± 10
1 800	04/25/2022	3972		Head	19.5	19.4	20.0	1.00	20.0	+ 0.00	± 10
1 900	04/27/2022	7622	5d032	Head	18.7	18.6	20.9	1.03	20.6	- 1.44	± 10
1 900	04/22/2022	7622		Head	21.8	21.7	20.9	1.02	20.4	- 2.39	± 10
1 900	04/15/2022	7622		Head	19.5	19.5	20.9	1.02	20.4	- 2.39	± 10
1 900	04/29/2022	3972		Head	20.9	20.8	20.9	1.08	21.6	+ 3.35	± 10
2 300	04/20/2022	3903	1010	Head	22.0	22.0	23.8	1.18	23.6	- 0.84	± 10
2 300	04/27/2022	3903		Head	21.9	21.9	23.8	1.14	22.8	- 4.20	± 10
2 600	04/19/2022	3903	1106	Head	23.4	23.3	25.2	1.30	26.0	+ 3.17	± 10
2 600	04/21/2022	3903		Head	21.4	21.3	25.2	1.29	25.8	+ 2.38	± 10
2 600	04/26/2022	3903		Head	21.4	21.4	25.2	1.26	25.2	+ 0.00	± 10
3 500	04/29/2022	7702	1132	Head	19.2	19.0	24.5	1.22	24.4	- 0.41	± 10
3 700	04/25/2022	7702	1105	Head	19.0	18.9	24.1	1.20	24.0	- 0.41	± 10
3 900	04/25/2022	7702	1019	Head	19.0	18.9	24.3	1.22	24.4	+ 0.41	± 10
5 250	05/04/2022	7622	1107	Head	20.1	20.0	23.2	1.16	23.2	+ 0.00	± 10
5 600	05/09/2022	7622		Head	21.0	20.9	24.2	1.25	25.0	+ 3.31	± 10

12.3 System Verification Procedure

SAR measurement was prior to assessment, the system is verified to the ± 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 (DSI = 2)

CDMA BC0 (\$22H) Head SAR - Ant. A													
Frequency		Mode		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)	
836.52	384	CDMA BC0	RC3 / SO55	25.0	24.30	-0.14	Left Cheek	1:1	111	0.117	1.175	0.137	-
836.52	384	CDMA BC0	RC3 / SO55	25.0	24.30	0.13	Left Tilt	1:1	111	0.075	1.175	0.088	-
836.52	384	CDMA BC0	RC3 / SO55	25.0	24.30	-0.18	Right Cheek	1:1	111	0.198	1.175	0.233	1
836.52	384	CDMA BC0	RC3 / SO55	25.0	24.30	-0.14	Right Tilt	1:1	111	0.080	1.175	0.094	-
836.52	384	CDMA BC0	EVDO Rev. A	25.0	23.89	-0.05	Left Cheek	1:1	111	0.105	1.291	0.136	-
836.52	384	CDMA BC0	EVDO Rev. A	25.0	23.89	-0.03	Left Tilt	1:1	111	0.068	1.291	0.088	-
836.52	384	CDMA BC0	EVDO Rev. A	25.0	23.89	-0.11	Right Cheek	1:1	111	0.165	1.291	0.213	-
836.52	384	CDMA BC0	EVDO Rev. A	25.0	23.89	-0.14	Right Tilt	1:1	111	0.065	1.291	0.084	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

PCS CDMA Head SAR- Ant. A													
Frequency		Mode		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)	
1 880.0	600	PCS CDMA	RC3 / SO55	24.5	24.10	-0.12	Left Cheek	1:1	115	0.203	1.096	0.222	2
1 880.0	600	PCS CDMA	RC3 / SO55	24.5	24.10	-0.08	Left Tilt	1:1	115	0.036	1.096	0.039	-
1 880.0	600	PCS CDMA	RC3 / SO55	24.5	24.10	-0.14	Right Cheek	1:1	115	0.110	1.096	0.121	-
1 880.0	600	PCS CDMA	RC3 / SO55	24.5	24.10	0.15	Right Tilt	1:1	115	0.025	1.096	0.027	-
1 880.0	600	PCS CDMA	EVDO Rev. A	24.5	24.11	-0.12	Left Cheek	1:1	115	0.192	1.094	0.210	-
1 880.0	600	PCS CDMA	EVDO Rev. A	24.5	24.11	0.14	Left Tilt	1:1	115	0.102	1.094	0.112	-
1 880.0	600	PCS CDMA	EVDO Rev. A	24.5	24.11	-0.18	Right Cheek	1:1	115	0.132	1.094	0.144	-
1 880.0	600	PCS CDMA	EVDO Rev. A	24.5	24.11	0.00	Right Tilt	1:1	115	0.057	1.094	0.062	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram						

CDMA BC10 (\$90S) Head SAR - Ant. A

Frequency		Mode		Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.												
820	560	CDMA BC10	RC3 / SO55	25.0	24.16	-0.10	Left Cheek	1:1	111	0.117	1.213	0.142	-
820	560	CDMA BC10	RC3 / SO55	25.0	24.16	-0.10	Left Tilt	1:1	111	0.076	1.213	0.092	-
820	560	CDMA BC10	RC3 / SO55	25.0	24.16	-0.19	Right Cheek	1:1	111	0.139	1.213	0.169	-
820	560	CDMA BC10	RC3 / SO55	25.0	24.16	-0.14	Right Tilt	1:1	111	0.101	1.213	0.123	-
820	560	CDMA BC10	EVDO Rev. A	25.0	23.57	-0.17	Left Cheek	1:1	111	0.114	1.390	0.158	-
820	560	CDMA BC10	EVDO Rev. A	25.0	23.57	-0.04	Left Tilt	1:1	111	0.067	1.390	0.093	-
820	560	CDMA BC10	EVDO Rev. A	25.0	23.57	0.01	Right Cheek	1:1	111	0.153	1.390	0.213	3
820	560	CDMA BC10	EVDO Rev. A	25.0	23.57	-0.03	Right Tilt	1:1	111	0.067	1.390	0.093	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram					

GSM 850 Head SAR- Ant. A

Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.	
Mhz	Ch.												(dB)
836.6	190	GSM	33.5	32.09	-0.10	Left Cheek	1:8.3	1	0.121	1.384	0.167	-	
836.6	190	GSM	33.5	32.09	-0.14	Left Tilt	1:8.3	1	0.077	1.384	0.107	-	
836.6	190	GSM	33.5	32.09	0.04	Right Cheek	1:8.3	1	0.164	1.384	0.227	-	
836.6	190	GSM	33.5	32.09	0.19	Right Tilt	1:8.3	1	0.080	1.384	0.111	-	
836.6	190	GPRS 2Tx	32.5	31.58	-0.10	Left Cheek	1:4.15	1	0.205	1.236	0.253	-	
836.6	190	GPRS 2Tx	32.5	31.58	-0.03	Left Tilt	1:4.15	1	0.160	1.236	0.198	-	
836.6	190	GPRS 2Tx	32.5	31.58	-0.12	Right Cheek	1:4.15	1	0.270	1.236	0.334	4	
836.6	190	GPRS 2Tx	32.5	31.58	0.11	Right Tilt	1:4.15	1	0.127	1.236	0.157	-	
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- Ant. A

Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.	
Mhz	Ch.												(dB)
1 880	661	GSM	30.5	29.52	-0.20	Left Cheek	1:8.3	115	0.050	1.253	0.063	-	
1 880	661	GSM	30.5	29.52	-0.06	Left Tilt	1:8.3	115	0.00907	1.253	0.011	-	
1 880	661	GSM	30.5	29.52	0.00	Right Cheek	1:8.3	115	0.029	1.253	0.036	-	
1 880	661	GSM	30.5	29.52	-0.11	Right Tilt	1:8.3	115	0.027	1.253	0.034	-	
1 880	661	GPRS 3Tx	28.0	26.71	-0.13	Left Cheek	1:2.77	115	0.073	1.346	0.098	5	
1 880	661	GPRS 3Tx	28.0	26.71	-0.10	Left Tilt	1:2.77	115	0.012	1.346	0.016	-	
1 880	661	GPRS 3Tx	28.0	26.71	0.00	Right Cheek	1:2.77	115	0.040	1.346	0.055	-	
1 880	661	GPRS 3Tx	28.0	26.71	-0.14	Right Tilt	1:2.77	115	0.035	1.346	0.047	-	
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- Ant. A

Frequency		Mode	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)	
836.6	4183	RMC	25.0	23.96	-0.19	Left Cheek	1:1	1	0.098	1.271	0.125	6
836.6	4183	RMC	25.0	23.96	-0.14	Left Tilt	1:1	1	0.022	1.271	0.028	-
836.6	4183	RMC	25.0	23.96	-0.15	Right Cheek	1:1	1	0.068	1.271	0.086	-
836.6	4183	RMC	25.0	23.96	0.04	Right Tilt	1:1	1	0.048	1.271	0.061	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg (mW/g) Averaged over 1 gram					

UMTS Band 4 Head SAR- Ant. A

Frequency		Mode	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)	
1 732.4	1412	RMC	24.5	23.28	0.14	Left Cheek	1:1	51	0.165	1.324	0.218	7
1 732.4	1412	RMC	24.5	23.28	0.09	Left Tilt	1:1	51	0.096	1.324	0.127	-
1 732.4	1412	RMC	24.5	23.28	-0.10	Right Cheek	1:1	51	0.154	1.324	0.204	-
1 732.4	1412	RMC	24.5	23.28	-0.01	Right Tilt	1:1	51	0.099	1.324	0.131	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg (mW/g) Averaged over 1 gram					

UMTS Band 2 Head SAR- Ant. A

Frequency		Mode	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)	
1 880	9400	RMC	24.5	23.47	0.11	Left Cheek	1:1	113	0.200	1.268	0.254	8
1 880	9400	RMC	24.5	23.47	0.08	Left Tilt	1:1	113	0.064	1.268	0.081	-
1 880	9400	RMC	24.5	23.47	0.12	Right Cheek	1:1	113	0.121	1.268	0.153	-
1 880	9400	RMC	24.5	23.47	0.11	Right Tilt	1:1	113	0.129	1.268	0.164	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg (mW/g) Averaged over 1 gram					

LTE Band 7 Head SAR- Ant. B

Frequency		Mode	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.															
2 560	21350	QPSK	20	24.5	23.93	0.15	Left Cheek	0	1	49	1:1		0.130	1.140	0.148	9
2 560	21350	QPSK	20	23.5	23.05	0.18	Left Cheek	1	50	25	1:1		0.110	1.109	0.122	-
2 560	21350	QPSK	20	24.5	23.93	0.09	Left Tilt	0	1	49	1:1		0.040	1.140	0.046	-
2 560	21350	QPSK	20	23.5	23.05	-0.14	Left Tilt	1	50	25	1:1		0.032	1.109	0.035	-
2 560	21350	QPSK	20	24.5	23.93	0.19	Right Cheek	0	1	49	1:1		0.099	1.140	0.113	-
2 560	21350	QPSK	20	23.5	23.05	0.19	Right Cheek	1	50	25	1:1		0.077	1.109	0.085	-
2 560	21350	QPSK	20	24.5	23.93	0.18	Right Tilt	0	1	49	1:1		0.069	1.140	0.079	-
2 560	21350	QPSK	20	23.5	23.05	0.06	Right Tilt	1	50	25	1:1		0.057	1.109	0.063	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 12 Head SAR- Ant. A

Frequency		Mode	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	10	25.5	24.02	0.19	Left Cheek	0	1	0	1:1	4	0.088	1.406	0.124	-
707.5	23095	QPSK	10	24.5	23.05	0.19	Left Cheek	1	25	12	1:1	4	0.075	1.396	0.105	-
707.5	23095	QPSK	10	25.5	24.02	0.07	Left Tilt	0	1	0	1:1	4	0.057	1.406	0.080	-
707.5	23095	QPSK	10	24.5	23.05	0.19	Left Tilt	1	25	12	1:1	4	0.047	1.396	0.066	-
707.5	23095	QPSK	10	25.5	24.02	0.10	Right Cheek	0	1	0	1:1	4	0.129	1.406	0.181	10
707.5	23095	QPSK	10	24.5	23.05	0.18	Right Cheek	1	25	12	1:1	4	0.098	1.396	0.137	-
707.5	23095	QPSK	10	25.5	24.02	0.02	Right Tilt	0	1	0	1:1	4	0.064	1.406	0.090	-
707.5	23095	QPSK	10	24.5	23.05	0.00	Right Tilt	1	25	12	1:1	4	0.052	1.396	0.073	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 13 Head SAR- Ant. A

Frequency		Mode	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	10	25.5	24.15	0.10	Left Cheek	0	1	49	1:1	1	0.126	1.365	0.172	-
782	23230	QPSK	10	24.5	23.17	0.02	Left Cheek	1	25	24	1:1	1	0.102	1.358	0.139	-
782	23230	QPSK	10	25.5	24.15	0.08	Left Tilt	0	1	49	1:1	1	0.086	1.365	0.117	-
782	23230	QPSK	10	24.5	23.17	0.02	Left Tilt	1	25	24	1:1	1	0.070	1.358	0.095	-
782	23230	QPSK	10	25.5	24.15	-0.05	Right Cheek	0	1	49	1:1	1	0.180	1.365	0.246	11
782	23230	QPSK	10	24.5	23.17	0.14	Right Cheek	1	25	24	1:1	1	0.148	1.358	0.201	-
782	23230	QPSK	10	25.5	24.15	0.15	Right Tilt	0	1	49	1:1	1	0.100	1.365	0.137	-
782	23230	QPSK	10	24.5	23.17	0.15	Right Tilt	1	25	24	1:1	1	0.079	1.358	0.107	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 14 Head SAR- Ant. A

Frequency		Mode	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	10	25.5	24.28	0.11	Left Cheek	0	1	24	1:1	4	0.172	1.324	0.228	-
793	23330	QPSK	10	24.5	23.36	0.12	Left Cheek	1	25	24	1:1	4	0.134	1.300	0.174	-
793	23330	QPSK	10	25.5	24.28	0.13	Left Tilt	0	1	24	1:1	4	0.124	1.324	0.164	-
793	23330	QPSK	10	24.5	23.36	0.14	Left Tilt	1	25	24	1:1	4	0.100	1.300	0.130	-
793	23330	QPSK	10	25.5	24.28	0.14	Right Cheek	0	1	24	1:1	4	0.225	1.324	0.298	12
793	23330	QPSK	10	24.5	23.36	0.14	Right Cheek	1	25	24	1:1	4	0.184	1.300	0.239	-
793	23330	QPSK	10	25.5	24.28	-0.07	Right Tilt	0	1	24	1:1	4	0.117	1.324	0.155	-
793	23330	QPSK	10	24.5	23.36	0.12	Right Tilt	1	25	24	1:1	4	0.094	1.300	0.122	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 25 Head SAR- Ant. A

Frequency		Mode	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.															
1 882.5	26365	QPSK	20	25.5	24.69	-0.16	Left Cheek	0	1	49	1:1	115	0.274	1.205	0.330	13
1 882.5	26365	QPSK	20	24.5	23.86	-0.14	Left Cheek	1	50	25	1:1	115	0.220	1.159	0.255	-
1 882.5	26365	QPSK	20	25.5	24.69	-0.08	Left Tilt	0	1	49	1:1	115	0.109	1.205	0.131	-
1 882.5	26365	QPSK	20	24.5	23.86	0.01	Left Tilt	1	50	25	1:1	115	0.085	1.159	0.099	-
1 882.5	26365	QPSK	20	25.5	24.69	0.12	Right Cheek	0	1	49	1:1	115	0.175	1.205	0.211	-
1 882.5	26365	QPSK	20	24.5	23.86	0.16	Right Cheek	1	50	25	1:1	115	0.142	1.159	0.165	-
1 882.5	26365	QPSK	20	25.5	24.69	0.11	Right Tilt	0	1	49	1:1	115	0.121	1.205	0.146	-
1 882.5	26365	QPSK	20	24.5	23.86	-0.10	Right Tilt	1	50	25	1:1	115	0.097	1.159	0.112	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 26 Head SAR- Ant. A

Component CA	Frequency		Mode	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	26865	QPSK	15	25.5	23.95	0.12	Left Cheek	0	1	0	1:1	4	0.116	1.429	0.166	-
	831.5	26865	QPSK	15	24.5	22.89	0.10	Left Cheek	1	36	18	1:1	4	0.099	1.449	0.143	-
	831.5	26865	QPSK	15	25.5	23.95	0.12	Left Tilt	0	1	0	1:1	4	0.071	1.429	0.101	-
	831.5	26865	QPSK	15	24.5	22.89	0.10	Left Tilt	1	36	18	1:1	4	0.061	1.449	0.088	-
	831.5	26865	QPSK	15	25.5	23.95	0.14	Right Cheek	0	1	0	1:1	4	0.187	1.429	0.267	14
	831.5	26865	QPSK	15	24.5	22.89	0.18	Right Cheek	1	36	18	1:1	4	0.143	1.449	0.207	-
	831.5	26865	QPSK	15	25.5	23.95	-0.09	Right Tilt	0	1	0	1:1	4	0.087	1.429	0.124	-
	831.5	26865	QPSK	15	24.5	22.89	-0.17	Right Tilt	1	36	18	1:1	4	0.039	1.449	0.057	-
	836.5	20525	QPSK	15	25.5	24.04	0.16	Right Cheek	0	1	49	1:1	4	0.135	1.400	0.189	-

LTE Band 5 Up-link Carrier Aggregation (5B)

PCC	836.5	20525	QPSK	10	25.5	24.14	-0.10	Right Cheek	0	1	49	1:1	4	0.138	1.368	0.189	-
SCC	843.7	20597		5						1	0						
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram									

LTE Band 30 Head SAR- Ant. B

Frequency		Mode	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	27710	QPSK	10	23.0	22.42	0.17	Left Cheek	0	1	49	1:1		0.071	1.143	0.081	15
2 310	27710	QPSK	10	22.0	21.32	0.17	Left Cheek	1	25	12	1:1		0.056	1.169	0.065	-
2 310	27710	QPSK	10	23.0	22.42	0.10	Left Tilt	0	1	49	1:1		0.048	1.143	0.055	-
2 310	27710	QPSK	10	22.0	21.32	-0.04	Left Tilt	1	25	12	1:1		0.039	1.169	0.046	-
2 310	27710	QPSK	10	23.0	22.42	0.13	Right Cheek	0	1	49	1:1		0.056	1.143	0.064	-
2 310	27710	QPSK	10	22.0	21.32	0.18	Right Cheek	1	25	12	1:1		0.047	1.169	0.055	-
2 310	27710	QPSK	10	23.0	22.42	0.19	Right Tilt	0	1	49	1:1		0.045	1.143	0.051	-
2 310	27710	QPSK	10	22.0	21.32	0.17	Right Tilt	1	25	12	1:1		0.036	1.169	0.042	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 40 Head SAR _ Lower frequency range- Ant. B

Frequency		Mode	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	38750	QPSK	10	14.0	12.89	-0.15	Left Cheek	0	1	24	1:1.58		0.003	1.291	0.004	-
2 310	38750	QPSK	10	14.0	13.09	-0.15	Left Cheek	0	25	12	1:1.58		0.003	1.233	0.004	-
2 310	38750	QPSK	10	14.0	12.89	-0.15	Left Tilt	0	1	24	1:1.58		0.001	1.291	0.001	-
2 310	38750	QPSK	10	14.0	13.09	0.01	Left Tilt	0	25	12	1:1.58		0.001	1.233	0.001	-
2 310	38750	QPSK	10	14.0	12.89	-0.16	Right Cheek	0	1	24	1:1.58		0.006	1.291	0.008	16
2 310	38750	QPSK	10	14.0	13.09	-0.12	Right Cheek	0	25	12	1:1.58		0.006	1.233	0.007	-
2 310	38750	QPSK	10	14.0	12.89	0.00	Right Tilt	0	1	24	1:1.58		0.000	1.291	0.000	-
2 310	38750	QPSK	10	14.0	13.09	-0.11	Right Tilt	0	25	12	1:1.58		0.000	1.233	0.000	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

LTE Band 40 Head SAR _ Upper frequency range- Ant. B

Frequency		Mode	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.															
2 355	39200	QPSK	10	14.0	12.56	-0.17	Left Cheek	0	1	24	1:1.58		0.002	1.393	0.003	-
2 355	39200	QPSK	10	14.0	12.79	-0.12	Left Cheek	0	25	12	1:1.58		0.002	1.321	0.003	-
2 355	39200	QPSK	10	14.0	12.56	0.00	Left Tilt	0	1	24	1:1.58		0.000	1.393	0.000	-
2 355	39200	QPSK	10	14.0	12.79	0.01	Left Tilt	0	25	12	1:1.58		0.000	1.321	0.000	-
2 355	39200	QPSK	10	14.0	12.56	-0.10	Right Cheek	0	1	24	1:1.58		0.004	1.393	0.006	17
2 355	39200	QPSK	10	14.0	12.79	-0.10	Right Cheek	0	25	12	1:1.58		0.004	1.321	0.005	-
2 355	39200	QPSK	10	14.0	12.56	0.00	Right Tilt	0	1	24	1:1.58		0.000	1.393	0.000	-
2 355	39200	QPSK	10	14.0	12.79	-0.16	Right Tilt	0	25	12	1:1.58		0.001	1.321	0.001	-
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 (Power Class 3) Head SAR- Ant. B

Component CA	Frequency		Mode	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.															
	2 593	40620	QPSK	20	25.5	25.13	-0.14	Left Cheek	0	1	49	1:1.58		0.098	1.089	0.107	18
	2 593	40620	QPSK	20	24.5	24.15	-0.16	Left Cheek	1	50	25	1:1.58		0.077	1.084	0.083	-
	2 593	40620	QPSK	20	25.5	25.13	-0.14	Left Tilt	0	1	49	1:1.58		0.030	1.089	0.033	-
	2 593	40620	QPSK	20	24.5	24.15	-0.19	Left Tilt	1	50	25	1:1.58		0.025	1.084	0.027	-
	2 593	40620	QPSK	20	25.5	25.13	0.00	Right Cheek	0	1	49	1:1.58		0.083	1.089	0.090	-
	2 593	40620	QPSK	20	24.5	24.15	0.00	Right Cheek	1	50	25	1:1.58		0.061	1.084	0.066	-
	2 593	40620	QPSK	20	25.5	25.13	-0.17	Right Tilt	0	1	49	1:1.58		0.064	1.089	0.070	-
	2 593	40620	QPSK	20	24.5	24.15	0.07	Right Tilt	1	50	25	1:1.58		0.049	1.084	0.053	-
	2 593	40620	QPSK	20	25.5	24.78	0.13	Left Cheek	0	1	99	1:1.58		0.068	1.180	0.080	

Up-link Carrier Aggregation Power class 3 (41C)

PCC	2 593	40620	QPSK	20	25.5	24.60	0.19	Left Cheek	0	1	99	1:1.58		0.067	1.230	0.082	-
SCC	2612.8	40818		20						1	0						

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 (Power Class 2) SAR- Ant. B

Component CA	Frequency		Mode	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.															
	2 593	40620	QPSK	20	27.0	25.98	0.17	Left Cheek	0	1	49	1:2.31		0.150	1.265	0.190	19
	2 506	39750	QPSK	20	26.0	25.07	-0.18	Left Cheek	1	50	0	1:2.31		0.091	1.239	0.113	-
	2 593	40620	QPSK	20	27.0	25.98	-0.05	Left Tilt	0	1	49	1:2.31		0.044	1.265	0.056	-
	2 506	39750	QPSK	20	26.0	25.07	0.18	Left Tilt	1	50	0	1:2.31		0.032	1.239	0.040	-
	2 593	40620	QPSK	20	27.0	25.98	-0.13	Right Cheek	0	1	49	1:2.31		0.093	1.265	0.118	-
	2 506	39750	QPSK	20	26.0	25.07	0.11	Right Cheek	1	50	0	1:2.31		0.044	1.239	0.055	-
	2 593	40620	QPSK	20	27.0	25.98	0.17	Right Tilt	0	1	49	1:2.31		0.074	1.265	0.094	-
	2 506	39750	QPSK	20	26.0	25.07	-0.06	Right Tilt	1	50	0	1:2.31		0.051	1.239	0.063	-
	2 549.5	40185	QPSK	20	27.0	25.89	0.11	Left Cheek	0	1	0	1:2.31		0.112	1.291	0.145	-

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

PCC	2 549.5	40185	QPSK	20	27.0	25.94	-0.10	Left Cheek	0	1	0	1:2.31		0.112	1.276	0.143	-
SCC	2 529.7	39987		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

LTE TDD Band 48 Head SAR- Ant. H (RCV-ON)

Component CA	Frequency		Mode	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.															
	3 560.0	55340	QPSK	20	17.5	16.45	-0.15	Left Cheek	0	1	99	1:1.58		0.090	1.274	0.115	-
	3 560.0	55340	QPSK	20	17.5	16.57	0.10	Left Cheek	0	50	49	1:1.58		0.091	1.239	0.113	-
	3 560.0	55340	QPSK	20	17.5	16.45	0.00	Left Tilt	0	1	99	1:1.58		0.104	1.274	0.132	-
	3 560.0	55340	QPSK	20	17.5	16.57	0.10	Left Tilt	0	50	49	1:1.58		0.108	1.239	0.134	-
	3 560.0	55340	QPSK	20	17.5	16.45	-0.19	Right Cheek	0	1	99	1:1.58		0.383	1.274	0.488	-
	3 560.0	55340	QPSK	20	17.5	16.57	-0.14	Right Cheek	0	50	49	1:1.58		0.399	1.239	0.494	-
	3 560.0	55340	QPSK	20	17.5	16.45	-0.16	Right Tilt	0	1	99	1:1.58		0.426	1.274	0.543	-
	3 560.0	55340	QPSK	20	17.5	16.57	-0.18	Right Tilt	0	50	49	1:1.58		0.450	1.239	0.557	20

Up-link Carrier Aggregation (48C)

PCC	3 560.0	55340	QPSK	20	17.5	16.45	0.19	Right Tilt	0	50	49	1:1.58		0.418	1.274	0.532	-
SCC	3 579.8	55538		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

* Power reduction condition during Receiver_ON

LTE Band 66 Head SAR- Ant. A

Component CA	Frequency		Mode	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.															
	1 770	132572	QPSK	20	25.5	24.79	0.14	Left Cheek	0	1	0	1:1	51	0.280	1.178	0.330	21
	1 745	132322	QPSK	20	24.5	23.89	0.10	Left Cheek	1	50	25	1:1	51	0.193	1.151	0.222	-
	1 770	132572	QPSK	20	25.5	24.79	0.19	Left Tilt	0	1	0	1:1	51	0.061	1.178	0.072	-
	1 745	132322	QPSK	20	24.5	23.89	-0.03	Left Tilt	1	50	25	1:1	51	0.064	1.151	0.074	-
	1 770	132572	QPSK	20	25.5	24.79	0.11	Right Cheek	0	1	0	1:1	51	0.176	1.178	0.207	-
	1 745	132322	QPSK	20	24.5	23.89	0.19	Right Cheek	1	50	25	1:1	51	0.163	1.151	0.188	-
	1 770	132572	QPSK	20	25.5	24.79	-0.12	Right Tilt	0	1	0	1:1	51	0.100	1.178	0.118	-
	1 745	132322	QPSK	20	24.5	23.89	0.18	Right Tilt	1	50	25	1:1	51	0.059	1.151	0.068	-
	1 745	132322	QPSK	15	25.5	24.75	0.01	Left Cheek	0	1	0	1:1	51	0.097	1.189	0.115	-

Up-link Carrier Aggregation (66B)

PCC	1 745	132322	QPSK	15	25.5	24.65	0.19	Left Cheek	0	1	0	1:1	51	0.111	1.216	0.135	-
SCC	1735.7	132229		5						1	24						

Up-link Carrier Aggregation (66C)

PCC	1 770	132572	QPSK	20	25.5	24.62	0.19	Left Cheek	0	1	0	1:1	51	0.107	1.225	0.131	-
SCC	1750.2	132374		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

LTE Band 71 Head SAR- Ant. A

Frequency		Mode	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	20	25.5	24.51	0.16	Left Cheek	0	1	49	1:1	4	0.118	1.256	0.148	-
680.5	133297	QPSK	20	24.5	23.54	0.17	Left Cheek	1	50	25	1:1	4	0.096	1.247	0.120	-
680.5	133297	QPSK	20	25.5	24.51	0.19	Left Tilt	0	1	49	1:1	4	0.063	1.256	0.079	-
680.5	133297	QPSK	20	24.5	23.54	0.12	Left Tilt	1	50	25	1:1	4	0.053	1.247	0.066	-
680.5	133297	QPSK	20	25.5	24.51	0.17	Right Cheek	0	1	49	1:1	4	0.119	1.256	0.149	22
680.5	133297	QPSK	20	24.5	23.54	0.12	Right Cheek	1	50	25	1:1	4	0.098	1.247	0.122	-
680.5	133297	QPSK	20	25.5	24.51	0.16	Right Tilt	0	1	49	1:1	4	0.056	1.256	0.070	-
680.5	133297	QPSK	20	24.5	23.54	-0.12	Right Tilt	1	50	25	1:1	4	0.045	1.247	0.056	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

NR Band n5 (Cell) Head SAR- Ant. A

Frequency		Modulation	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.															
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	0.10	Left Cheek	0	1	104	1:1	4	0.033	1.274	0.042	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.11	Left Cheek	0	50	28	1:1	4	0.040	1.315	0.053	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	0.13	Left Tilt	0	1	104	1:1	4	0.024	1.274	0.031	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	0.12	Left Tilt	0	50	28	1:1	4	0.031	1.315	0.041	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	-0.10	Right Cheek	0	1	104	1:1	4	0.056	1.274	0.071	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.11	Right Cheek	0	50	28	1:1	4	0.081	1.315	0.107	23
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	0.11	Right Tilt	0	1	104	1:1	4	0.027	1.274	0.034	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.02	Right Tilt	0	50	28	1:1	4	0.033	1.315	0.043	-
836.5	167300	CP QPSK	20	24.0	22.85	-0.13	Right Cheek	1.5	1	1	1:1	4	0.053	1.303	0.069	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

NR Band n12 Head SAR- Ant. A

Frequency		Modulation	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	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.18	Left Cheek	0	1	1	1:1	1	0.054	1.268	0.068	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.17	Left Cheek	0	36	22	1:1	1	0.064	1.309	0.084	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.08	Left Tilt	0	1	1	1:1	1	0.021	1.268	0.027	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.05	Left Tilt	0	36	22	1:1	1	0.020	1.309	0.026	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.18	Right Cheek	0	1	1	1:1	1	0.075	1.268	0.095	24
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.13	Right Cheek	0	36	22	1:1	1	0.069	1.309	0.090	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.04	Right Tilt	0	1	1	1:1	1	0.033	1.268	0.042	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.12	Right Tilt	0	36	22	1:1	1	0.034	1.309	0.045	-
707.5	141500	CP QPSK	15	24.0	22.75	-0.01	Right Cheek	1.5	1	1	1:1	1	0.048	1.334	0.064	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

NR Band n25 Head SAR- Ant. A

Frequency		Modulation	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.															
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	-0.17	Left Cheek	0	1	108	1:1	115	0.132	1.282	0.169	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	-0.02	Left Cheek	0	108	54	1:1	115	0.134	1.409	0.189	25
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	-0.16	Left Tilt	0	1	108	1:1	115	0.069	1.282	0.088	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	0.11	Left Tilt	0	108	54	1:1	115	0.074	1.409	0.104	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	-0.15	Right Cheek	0	1	108	1:1	115	0.112	1.282	0.144	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	-0.08	Right Cheek	0	108	54	1:1	115	0.119	1.409	0.168	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	0.17	Right Tilt	0	1	108	1:1	115	0.070	1.282	0.090	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	0.15	Right Tilt	0	108	54	1:1	115	0.071	1.409	0.100	-
1 882.5	376500	CP QPSK	40	23.0	22.04	-0.11	Left Cheek	1.5	1	1	1:1	115	0.102	1.247	0.127	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

NR Band n30 Head SAR- Ant. B

Frequency		Modulation	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	10	24.5	23.09	0.10	Left Cheek	0	1	26	1:1		0.041	1.384	0.057	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	0.10	Left Cheek	0	25	14	1:1		0.072	1.403	0.101	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	0.10	Left Tilt	0	1	26	1:1		0.021	1.384	0.029	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	0.12	Left Tilt	0	25	14	1:1		0.031	1.403	0.043	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	0.10	Right Cheek	0	1	26	1:1		0.110	1.384	0.152	26
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	-0.14	Right Cheek	0	25	14	1:1		0.088	1.403	0.123	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	-0.12	Right Tilt	0	1	26	1:1		0.040	1.384	0.055	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	0.10	Right Tilt	0	25	14	1:1		0.043	1.403	0.060	-
2 310	462000	CP QPSK	10	23.0	21.49	0.00	Right Cheek	1.5	1	1	1:1		0.069	1.416	0.098	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

NR Band n41 Head SAR – Power class 3 - Ant. B

Frequency		Modulation	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.															
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.00	Left Cheek	0	1	271	1:1		0.019	1.130	0.021	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.00	Left Cheek	0	135	69	1:1		0.020	1.114	0.022	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	-0.13	Left Tilt	0	1	271	1:1		0.001	1.130	0.001	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.00	Left Tilt	0	135	69	1:1		0.000	1.114	0.000	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.00	Right Cheek	0	1	271	1:1		0.0094	1.130	0.011	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.00	Right Cheek	0	135	69	1:1		0.008	1.114	0.009	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.00	Right Tilt	0	1	271	1:1		0.000	1.130	0.000	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.00	Right Tilt	0	135	69	1:1		0.000	1.114	0.000	-
2 592.99	518598	CP QPSK	100	19.0	18.49	0.00	Left Cheek	0	1	1	1:1		0.022	1.125	0.025	27
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram									

NR Band n66 Head SAR- Ant. A

Frequency		Modulation	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.															
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	0.15	Left Cheek	0	1	1	1:1	51	0.163	1.227	0.200	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	-0.16	Left Cheek	0	108	54	1:1	51	0.176	1.265	0.223	28
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	0.08	Left Tilt	0	1	1	1:1	51	0.069	1.227	0.085	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	0.08	Left Tilt	0	108	54	1:1	51	0.074	1.265	0.094	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	-0.19	Right Cheek	0	1	1	1:1	51	0.157	1.227	0.193	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	-0.19	Right Cheek	0	108	54	1:1	51	0.171	1.265	0.216	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	0.17	Right Tilt	0	1	1	1:1	51	0.082	1.227	0.101	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	0.16	Right Tilt	0	108	54	1:1	51	0.089	1.265	0.113	-
1 745	349000	CP QPSK	40	23.0	22.18	0.10	Left Cheek	1.5	1	1	1:1	51	0.118	1.208	0.143	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram									

NR Band n71 Head SAR- Ant. A

Frequency		Modulation	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	136100	DFT-s OFDM QPSK	20	25.5	24.37	-0.10	Left Cheek	0	1	1	1:1	1	0.071	1.297	0.092	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	-0.03	Left Cheek	0	50	28	1:1	1	0.082	1.330	0.109	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	0.12	Left Tilt	0	1	1	1:1	1	0.037	1.297	0.048	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	0.04	Left Tilt	0	50	28	1:1	1	0.031	1.330	0.041	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	0.18	Right Cheek	0	1	1	1:1	1	0.071	1.297	0.092	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	-0.10	Right Cheek	0	50	28	1:1	1	0.093	1.330	0.124	29
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	0.01	Right Tilt	0	1	1	1:1	1	0.032	1.297	0.042	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	-0.04	Right Tilt	0	50	28	1:1	1	0.049	1.330	0.065	-
680.5	136100	CP QPSK	20	24.0	22.72	-0.10	Right Cheek	1.5	1	1	1:1	1	0.053	1.343	0.071	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram									

NR Band n77 Head SAR- Power class 3- Ant. H (RCV-ON)

Frequency		Modulation	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.															
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.89	-0.18	Left Cheek	0	1	271	1:1		0.191	1.026	0.196	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.17	-0.17	Left Cheek	0	135	69	1:1		0.129	1.211	0.156	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.89	0.15	Left Tilt	0	1	271	1:1		0.150	1.026	0.154	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.17	0.14	Left Tilt	0	135	69	1:1		0.142	1.211	0.172	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.89	-0.10	Right Cheek	0	1	271	1:1		0.679	1.026	0.697	30
3 750	650000	DFT-s OFDM QPSK	100	15.0	13.99	0.01	Right Cheek	0	1	137	1:1		0.562	1.262	0.709	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.17	-0.14	Right Cheek	0	135	69	1:1		0.556	1.211	0.673	-
3 750	650000	DFT-s OFDM QPSK	100	15.0	13.92	-0.02	Right Cheek	0	135	69	1:1		0.544	1.282	0.697	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.57	-0.11	Right Cheek	0	270	0	1:1		0.572	1.104	0.631	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.89	-0.11	Right Tilt	0	1	271	1:1		0.508	1.026	0.521	-
3 750	650000	DFT-s OFDM QPSK	100	15.0	13.99	0.01	Right Tilt	0	1	137	1:1		0.513	1.262	0.647	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.17	0.10	Right Tilt	0	135	69	1:1		0.497	1.211	0.602	-
3 750	650000	DFT-s OFDM QPSK	100	15.0	13.92	-0.01	Right Tilt	0	135	69	1:1		0.581	1.282	0.745	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.57	-0.18	Right Tilt	0	270	0	1:1		0.428	1.104	0.473	-
3 930	662000	CP OFDM QPSK	100	15.0	14.05	-0.18	Right Cheek	0	1	1	1:1		0.526	1.245	0.655	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram									

* Power reduction condition during Receiver_ON

NR Band n77 (DoD) Head SAR- Power class 3- Ant. H (RCV-ON)

Frequency		Modulation	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.															
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.76	-0.18	Left Cheek	0	1	271	1:1		0.125	1.057	0.132	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.78	0.18	Left Cheek	0	135	69	1:1		0.131	1.052	0.138	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.76	0.15	Left Tilt	0	1	271	1:1		0.116	1.057	0.123	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.78	-0.05	Left Tilt	0	135	69	1:1		0.125	1.052	0.132	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.76	-0.15	Right Cheek	0	1	271	1:1		0.545	1.057	0.576	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.78	-0.14	Right Cheek	0	135	69	1:1		0.509	1.052	0.535	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.76	-0.06	Right Tilt	0	1	271	1:1		0.487	1.057	0.515	-
3 500.01	633334	DFT-s OFDM QPSK	100	15.0	14.78	-0.16	Right Tilt	0	135	69	1:1		0.483	1.052	0.508	-
3 500.01	633334	CP OFDM QPSK	100	15.0	14.27	-0.16	Right Cheek	0	1	1	1:1		0.664	1.183	0.786	31
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram									

* Power reduction condition during Receiver_ON

NR Band n77 SRS Head SAR- Power class 3- Ant. H (RCV-ON)

Frequency		Modulation	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.															
SRS #2 Antenna E																
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Left Cheek	0	270	0	1:1		0.000	1.132	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Left Tilt	0	270	0	1:1		0.000	1.132	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Right Cheek	0	270	0	1:1		0.000	1.132	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Right Tilt	0	270	0	1:1		0.000	1.132	0.000	-
SRS #3 Antenna M																
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Left Cheek	0	270	0	1:1		0.062	1.199	0.074	-
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Left Tilt	0	270	0	1:1		0.000	1.199	0.000	-
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Right Cheek	0	270	0	1:1		0.259	1.199	0.311	32
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Right Tilt	0	270	0	1:1		0.000	1.199	0.000	-
SRS #4 Antenna D																
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Left Cheek	0	270	0	1:1		0.000	1.466	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Left Tilt	0	270	0	1:1		0.000	1.466	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Right Cheek	0	270	0	1:1		0.000	1.466	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Right Tilt	0	270	0	1:1		0.000	1.466	0.000	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Head 1.6 W/kg Averaged over 1 gram									

* Power reduction condition during Receiver_ON

NR Band n77 DoD SRS Head SAR- Power class 3- Ant. H (RCV-ON)

Frequency		Modulation	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)		
SRS #2 Antenna E																
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Left Cheek	0	270	0	1:1		0.000	1.247	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Left Tilt	0	270	0	1:1		0.000	1.247	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Right Cheek	0	270	0	1:1		0.000	1.247	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Right Tilt	0	270	0	1:1		0.000	1.247	0.000	-
SRS #3 Antenna M																
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Left Cheek	0	270	0	1:1		0.056	1.279	0.072	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Left Tilt	0	270	0	1:1		0.000	1.279	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Right Cheek	0	270	0	1:1		0.248	1.279	0.317	33
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Right Tilt	0	270	0	1:1		0.000	1.279	0.000	-
SRS #4 Antenna D																
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Left Cheek	0	270	0	1:1		0.000	1.483	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Left Tilt	0	270	0	1:1		0.000	1.483	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Right Cheek	0	270	0	1:1		0.000	1.483	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Right Tilt	0	270	0	1:1		0.000	1.483	0.000	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Head 1.6 W/kg Averaged over 1 gram								

* Power reduction condition during Receiver_ON

DTS Head SAR 1g – RCV-ON

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.															
2 437	6	802.11b	20	1	13	12.89	0.11	Left Cheek	Ant2	98.8	0.126	0.065	1.026	1.013	0.068	-
2 437	6	802.11b	20	1	13	12.89	-0.03	Left Tilt	Ant2	98.8	0.328	0.034	1.026	1.013	0.035	-
2 437	6	802.11b	20	1	13	12.89	0.01	Right Cheek	Ant2	98.8	0.995	0.352	1.026	1.013	0.366	-
2 437	6	802.11b	20	1	13	12.89	0.19	Right Tilt	Ant2	98.8	0.202	0.096	1.026	1.013	0.100	-
2 437	6	802.11b	20	1	16	15.82	-0.07	Left Cheek	MIMO	98.8	0.454	0.303	1.067	1.013	0.328	-
2 437	6	802.11b	20	1	16	15.82	-0.07	Left Tilt	MIMO	98.8	0.756	0.483	1.067	1.013	0.522	-
2 437	6	802.11b	20	1	16	15.82	0.04	Right Cheek	MIMO	98.8	1.100	0.446	1.067	1.013	0.482	-
2 437	6	802.11b	20	1	16	15.82	-0.04	Right Tilt	MIMO	98.8	0.859	0.498	1.067	1.013	0.538	34
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Head 1.6 W/kg Averaged over 1 gram						

* Head condition and Head condition during simultaneous conditions with mmWave and/or 5G Sub 6

* Since the result of the above mode was the worst case condition than the RSDB mode, it was applied to the simultaneous transmission evaluation of the WLAN RSDB mode.

DTS Head SAR 1g – RSDB+RCV/ mmave+RSDB+RCV-On

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.															
2 412	1	802.11b	20	1	11	9.65	0.14	Left Cheek	Ant2	98.8	0.034	0.026	1.365	1.013	0.036	-
2 412	1	802.11b	20	1	11	9.65	0.17	Left Tilt	Ant2	98.8	0.020	0.009	1.365	1.013	0.012	-
2 412	1	802.11b	20	1	11	9.65	-0.19	Right Cheek	Ant2	98.8	0.399	0.141	1.365	1.013	0.195	-
2 412	1	802.11b	20	1	11	9.65	0.18	Right Tilt	Ant2	98.8	0.076	0.038	1.365	1.013	0.053	-
2 412	1	802.11b	20	1	14	13.34	-0.16	Left Cheek	MIMO	98.8	0.341	0.205	1.365	1.013	0.283	-
2 412	1	802.11b	20	1	14	13.34	-0.04	Left Tilt	MIMO	98.8	0.573	0.320	1.365	1.013	0.442	-
2 412	1	802.11b	20	1	14	13.34	0.08	Right Cheek	MIMO	98.8	0.343	0.224	1.365	1.013	0.310	-
2 412	1	802.11b	20	1	14	13.34	0.01	Right Tilt	MIMO	98.8	0.561	0.330	1.365	1.013	0.456	35
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 / mmWave/ RSDB RCV-ON

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.															
5 290	58	802.11ac	80	MCS0	14	13.40	-0.09	Left Cheek	MIMO	92.3	0.165	0.029	1.199	1.083	0.038	-
5 290	58	802.11ac	80	MCS0	14	13.40	0.15	Left Tilt	MIMO	92.3	0.176	0.043	1.199	1.083	0.056	-
5 290	58	802.11ac	80	MCS0	14	13.40	-0.14	Right Cheek	MIMO	92.3	0.725	0.182	1.199	1.083	0.236	-
5 290	58	802.11ac	80	MCS0	14	13.40	0.14	Right Tilt	MIMO	92.3	0.359	0.095	1.199	1.083	0.123	-
5 690	138	802.11ac	80	MCS0	14	13.59	-0.14	Left Cheek	MIMO	92.3	0.632	0.071	1.194	1.083	0.092	-
5 690	138	802.11ac	80	MCS0	14	13.59	-0.10	Left Tilt	MIMO	92.3	0.177	0.031	1.194	1.083	0.040	-
5 690	138	802.11ac	80	MCS0	14	13.59	-0.11	Right Cheek	MIMO	92.3	0.552	0.133	1.194	1.083	0.172	-
5 690	138	802.11ac	80	MCS0	14	13.59	0.16	Right Tilt	MIMO	92.3	0.324	0.080	1.194	1.083	0.103	-
5 775	155	802.11ac	80	MCS0	14	13.59	-0.11	Left Cheek	MIMO	92.3	0.255	0.079	1.211	1.083	0.104	-
5 775	155	802.11ac	80	MCS0	14	13.59	-0.15	Left Tilt	MIMO	92.3	0.258	0.073	1.211	1.083	0.096	-
5 775	155	802.11ac	80	MCS0	14	13.59	-0.14	Right Cheek	MIMO	92.3	1.18	0.234	1.211	1.083	0.307	36
5 775	155	802.11ac	80	MCS0	14	13.59	0.16	Right Tilt	MIMO	92.3	0.71	0.211	1.211	1.083	0.277	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Head 1.6 W/kg Averaged over 1 gram						

* Head condition during simultaneous conditions with 2.4GHz WLAN

* Head condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN.

DSS Head SAR											
Frequency		Mode	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)	(W/kg)	
2 441	39	Bluetooth DH5	15.5	15.48	-0.12	Left Cheek	0.257	1.005	1.302	0.336	-
2 441	39	Bluetooth DH5	15.5	15.48	0.01	Left Tilt	0.275	1.005	1.302	0.360	-
2 441	39	Bluetooth DH5	15.5	15.48	0.14	Right Cheek	0.314	1.005	1.302	0.411	37
2 441	39	Bluetooth DH5	15.5	15.48	-0.04	Right Tilt	0.224	1.005	1.302	0.293	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						Head 1.6 W/kg (mW/g) Averaged over 1 gram					

13.2 Body-worn SAR Measurement Results (DSI = 0)

CDMA Body-Worn

CDMA Body-Worn SAR- Ant. A														
Frequency		Mode		Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dB)	(dB)	(dB)					(W/kg)		(W/kg)	
836.52	384	CDMA BC0	TDSO RC32/SO55	25.0	24.32	0.05	Rear	1:1	111	15	0.430	1.169	0.503	38
836.52	384	CDMA BC0	TDSO RC32/SO55	25.0	24.32	-0.03	Front	1:1	111	15	0.392	1.169	0.458	-
836.52	384	CDMA BC0	EVDO Rev. A	25.0	23.89	0.08	Rear	1:1	111	15	0.368	1.291	0.475	-
836.52	384	CDMA BC0	EVDO Rev. A	25.0	23.89	-0.00	Front	1:1	111	15	0.300	1.291	0.387	-
1 880.0	600	PCS CDMA	TDSO RC32/SO55	24.5	24.15	-0.11	Rear	1:1	115	15	0.831	1.084	0.901	-
1 851.25	25	PCS CDMA	TDSO RC32/SO55	24.5	23.60	-0.17	Rear	1:1	115	15	0.593	1.230	0.729	-
1 908.75	1175	PCS CDMA	TDSO RC32/SO55	24.5	23.92	-0.19	Rear	1:1	115	15	0.918	1.143	1.049	39
1 880.0	600	PCS CDMA	TDSO RC32/SO55	24.5	24.15	-0.08	Front	1:1	115	15	0.758	1.084	0.822	-
1 851.25	25	PCS CDMA	TDSO RC32/SO55	24.5	23.60	-0.12	Front	1:1	115	15	0.807	1.230	0.993	-
1 908.75	1175	PCS CDMA	TDSO RC32/SO55	24.5	23.92	-0.04	Front	1:1	115	15	0.870	1.143	0.994	-
1 880.0	600	PCS CDMA	EVDO Rev. A	24.5	24.11	0.00	Rear	1:1	115	15	0.879	1.094	0.962	-
1 908.75	1175	PCS CDMA	EVDO Rev. A	24.5	23.90	-0.16	Rear	1:1	115	15	0.779	1.148	0.894	-
1 851.25	25	PCS CDMA	EVDO Rev. A	24.5	23.75	0.15	Rear	1:1	115	15	0.673	1.189	0.800	-
1 880.0	600	PCS CDMA	EVDO Rev. A	24.5	24.11	-0.08	Front	1:1	115	15	0.722	1.094	0.790	-
1 908.75	1175	PCS CDMA	TDSO RC32/SO55	24.5	23.92	-0.19	Rear	1:1	115	15	0.900	1.143	1.029	*
820	560	CDMA BC10	TDSO RC32/SO55	25.0	24.20	0.03	Rear	1:1	111	15	0.326	1.202	0.392	40
820	560	CDMA BC10	TDSO RC32/SO55	25.0	24.20	-0.03	Front	1:1	111	15	0.309	1.202	0.371	-
820	560	CDMA BC10	EVDO Rev.A	25.0	23.57	-0.14	Rear	1:1	111	15	0.279	1.390	0.388	-
820	560	CDMA BC10	EVDO Rev.A	25.0	23.57	-0.01	Front	1:1	111	15	0.230	1.390	0.320	-
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.

GSM/ UMTS Body-Worn

GSM/ UMTS Body-Worn SAR- Ant. A														
Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.	
Mhz	Ch.		(dB)	(dB)	(dB)					(mm)		(W/kg)		(W/kg)
836.6	190	GSM 850 Voice	33.5	32.09	-0.16	Rear	1:8.3	1	15	0.216	1.384	0.299	-	
836.6	190	GSM 850 Voice	33.5	32.09	-0.00	Front	1:8.3	1	15	0.201	1.384	0.278	-	
836.6	190	GSM 850 GPRS 2Tx	32.5	31.58	0.00	Rear	1:4.15	1	15	0.387	1.236	0.478	41	
836.6	190	GSM 850 GPRS 2Tx	32.5	31.58	0.10	Front	1:4.15	1	15	0.348	1.236	0.430	-	
1 880	661	GSM 1900 Voice	30.5	29.52	-0.15	Rear	1:8.3	115	15	0.288	1.253	0.361	-	
1 880	661	GSM 1900 Voice	30.5	29.52	-0.18	Front	1:8.3	115	15	0.279	1.253	0.350	-	
1 880	661	GSM 1900 GPRS 3Tx	28.0	26.71	-0.14	Rear	1:2.77	115	15	0.413	1.346	0.556	-	
1 880	661	GSM 1900 GPRS 3Tx	28.0	26.71	-0.13	Front	1:2.77	115	15	0.425	1.346	0.572	42	
836.6	4183	UMTS Band 5	RMC	25.0	23.96	0.02	Rear	1:1	1	15	0.332	1.271	0.422	43
836.6	4183	UMTS Band 5	RMC	25.0	23.96	-0.03	Front	1:1	1	15	0.313	1.271	0.398	-
1 732.4	1412	UMTS Band 4	RMC	24.5	23.28	-0.14	Rear	1:1	51	15	0.634	1.324	0.839	-
1 712.4	1312	UMTS Band 4	RMC	24.5	23.46	0.00	Rear	1:1	51	15	0.785	1.271	0.998	44
1 752.8	1513	UMTS Band 4	RMC	24.5	23.27	0.04	Rear	1:1	51	15	0.662	1.327	0.878	-
1 732.4	1412	UMTS Band 4	RMC	24.5	23.28	-0.13	Front	1:1	51	15	0.641	1.324	0.849	-
1 712.4	1312	UMTS Band 4	RMC	24.5	23.46	0.17	Front	1:1	51	15	0.609	1.271	0.774	-
1 752.8	1513	UMTS Band 4	RMC	24.5	23.27	0.19	Front	1:1	51	15	0.572	1.327	0.759	-
1 880.0	9400	UMTS Band 2	RMC	24.5	23.47	-0.06	Rear	1:1	113	15	0.734	1.268	0.931	-
1 852.4	9262	UMTS Band 2	RMC	24.5	23.50	0.00	Rear	1:1	113	15	0.758	1.259	0.954	-
1 907.6	9538	UMTS Band 2	RMC	24.5	23.50	-0.01	Rear	1:1	113	15	0.774	1.259	0.974	45
1 880.0	9400	UMTS Band 2	RMC	24.5	23.47	0.09	Front	1:1	113	15	0.641	1.268	0.813	-
1 852.4	9262	UMTS Band 2	RMC	24.5	23.50	0.09	Front	1:1	113	15	0.665	1.259	0.837	-
1 907.6	9538	UMTS Band 2	RMC	24.5	23.50	-0.07	Front	1:1	113	15	0.675	1.259	0.850	-
ANSI/ IEEE C95.1 - 2005- Safety Limit							Body							
Spatial Peak							1.6 W/kg							
Uncontrolled Exposure/ General Population							Averaged over 1 gram							

LTE Body-Worn

LTE Body-Worn SAR																	
Frequency		Mode	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.																
2 560	21350	LTE 7 QPSK Ant.B	20	24.5	23.93	-0.17	Rear	0	1	49	1:1		15	0.507	1.140	0.578	46
2 560	21350		20	23.5	23.05	-0.14	Rear	1	50	25	1:1		15	0.416	1.109	0.461	-
2 560	21350		20	24.5	23.93	-0.17	Front	0	1	49	1:1		15	0.376	1.140	0.429	-
2 560	21350		20	23.5	23.05	-0.00	Front	1	50	25	1:1		15	0.316	1.109	0.350	-
707.5	23095	LTE 12 QPSK Ant.A	10	25.5	24.02	-0.01	Rear	0	1	0	1:1	4	15	0.142	1.406	0.200	-
707.5	23095		10	24.5	23.05	-0.03	Rear	1	25	12	1:1	4	15	0.119	1.396	0.166	-
707.5	23095		10	25.5	24.02	0.06	Front	0	1	0	1:1	4	15	0.160	1.406	0.225	47
707.5	23095		10	24.5	23.05	-0.04	Front	1	25	12	1:1	4	15	0.139	1.396	0.194	-
782	23230	LTE 13 QPSK Ant.A	10	25.5	24.15	0.01	Rear	0	1	49	1:1	1	15	0.349	1.365	0.476	48
782	23230		10	24.5	23.17	0.04	Rear	1	25	24	1:1	1	15	0.279	1.358	0.379	-
782	23230		10	25.5	24.15	0.02	Front	0	1	49	1:1	1	15	0.292	1.365	0.399	-
782	23230		10	24.5	23.17	0.01	Front	1	25	24	1:1	1	15	0.234	1.358	0.318	-
793	23330	LTE 14 QPSK Ant.A	10	25.5	24.28	-0.04	Rear	0	1	24	1:1	4	15	0.382	1.324	0.506	49
793	23330		10	24.5	23.36	0.03	Rear	1	25	24	1:1	4	15	0.307	1.300	0.399	-
793	23330		10	25.5	24.28	0.02	Front	0	1	24	1:1	4	15	0.356	1.324	0.471	-
793	23330		10	24.5	23.36	-0.01	Front	1	25	24	1:1	4	15	0.281	1.300	0.365	-
1 882.5	26365	LTE 25 QPSK Ant.A	20	25.5	24.69	0.05	Rear	0	1	49	1:1	115	15	0.509	1.205	0.613	50
1 882.5	26365		20	24.5	23.86	-0.07	Rear	1	50	25	1:1	115	15	0.419	1.159	0.486	-
1 882.5	26365		20	25.5	24.69	0.03	Front	0	1	49	1:1	115	15	0.442	1.205	0.533	-
1 882.5	26365		20	24.5	23.86	0.03	Front	1	50	25	1:1	115	15	0.362	1.159	0.420	-
2 310	27710	LTE 30 QPSK Ant.B	10	23.0	22.42	0.13	Rear	0	1	49	1:1		15	0.423	1.143	0.483	-
2 310	27710		10	22.0	21.32	0.11	Rear	1	25	12	1:1		15	0.358	1.169	0.419	-
2 310	27710		10	23.0	22.42	0.16	Front	0	1	49	1:1		15	0.439	1.143	0.502	51
2 310	27710		10	22.0	21.32	0.12	Front	1	25	12	1:1		15	0.368	1.169	0.430	-
2 310	38750	LTE 40 QPSK (Low) Ant.B	10	14.0	12.89	0.15	Rear	0	1	24	1:1.58		15	0.027	1.291	0.035	52
2 310	38750		10	14.0	13.09	-0.16	Rear	0	25	12	1:1.58		15	0.025	1.233	0.031	-
2 310	38750		10	14.0	12.89	0.00	Front	0	1	24	1:1.58		15	0.025	1.291	0.032	-
2 310	38750		10	14.0	13.09	-0.10	Front	0	25	12	1:1.58		15	0.025	1.233	0.031	-
2 535	39200	LTE 40 QPSK (Upper) Ant.B	10	14.0	12.56	-0.13	Rear	0	1	24	1:1.58		15	0.029	1.393	0.040	53
2 535	39200		10	14.0	12.79	-0.17	Rear	0	25	12	1:1.58		15	0.027	1.321	0.036	-
2 535	39200		10	14.0	12.56	0.00	Front	0	1	24	1:1.58		15	0.027	1.393	0.038	-
2 535	39200		10	14.0	12.79	-0.10	Front	0	25	12	1:1.58		15	0.027	1.321	0.036	-
680.5	133297	LTE 71 QPSK Ant.A	20	25.5	24.51	-0.01	Rear	0	1	49	1:1	4	15	0.176	1.256	0.221	54
680.5	133297		20	24.5	23.54	0.02	Rear	1	1	49	1:1	4	15	0.143	1.247	0.178	-
680.5	133297		20	25.5	24.51	-0.02	Front	0	1	49	1:1	4	15	0.163	1.256	0.205	-
680.5	133297		20	24.5	23.54	0.00	Front	1	1	49	1:1	4	15	0.134	1.247	0.167	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

LTE Body-Worn

LTE Body-Worn SAR

Component CA	Frequency		Mode	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	26865	Ant.A LTE 26 QPSK	15	25.5	23.95	0.17	Rear	0	1	0	1:1	4	15	0.321	1.429	0.459	55
	831.5	26865		15	24.5	22.89	-0.15	Rear	1	36	18	1:1	4	15	0.230	1.449	0.333	-
	831.5	26865		15	25.5	23.95	0.01	Front	0	1	0	1:1	4	15	0.262	1.429	0.374	-
	831.5	26865		15	24.5	22.89	0.10	Front	1	36	18	1:1	4	15	0.222	1.449	0.322	-
	836.5	20525	LTE 5	15	25.5	24.04	-0.01	Rear	0	1	49	1:1	4	15	0.194	1.440	0.272	-
LTE Band 5 Up-link Carrier Aggregation (5B)																		
PCC	836.5	20525	LTE 5 QPSK	10	25.5	24.14	-0.13	Rear	0	1	49	1:1	4	15	0.157	1.368	0.275	-
SCC	843.7	20597		5						1	0							
	2 593	40620	Ant.B LTE 41 QPSK (PC3)	20	25.5	25.13	0.16	Rear	0	1	49	1:1.58		15	0.340	1.089	0.370	56
	2 593	40620		20	24.5	24.15	-0.13	Rear	1	50	25	1:1.58		15	0.266	1.084	0.288	-
	2 593	40620		20	25.5	25.13	-0.13	Front	0	1	49	1:1.58		15	0.285	1.089	0.310	-
	2 593	40620		20	24.5	24.15	-0.19	Front	1	50	25	1:1.58		15	0.228	1.084	0.247	-
	2 593	40620		20	25.5	24.78	0.01	Rear	0	1	99	1:1.58		15	0.240	1.180	0.283	-
Up-link Carrier Aggregation Power class 3 (41C)																		
PCC	2 593	40620	QPSK	20	25.5	24.60	-0.02	Rear	0	1	99	1:1.58		15	0.240	1.230	0.295	-
SCC	2612.8	40818		20						1	0							
	2 593	40620	Ant.B LTE 41 QPSK (PC2)	20	27.0	25.98	-0.13	Rear	0	1	49	1:2.31		15	0.408	1.265	0.516	57
	2 506	39750		20	26.0	25.07	-0.19	Rear	1	50	0	1:2.31		15	0.311	1.239	0.385	-
	2 593	40620		20	27.0	25.98	0.14	Front	0	1	49	1:2.31		15	0.311	1.265	0.393	-
	2 506	39750		20	26.0	25.07	0.19	Front	1	50	0	1:2.31		15	0.236	1.239	0.292	-
	2 549.5	40185		20	27.0	25.89	-0.09	Rear	0	1	0	1:2.31		15	0.225	1.291	0.291	-
Up-link Carrier Aggregation Power class 2 (HPUE) (41C)																		
PCC	2 549.5	40185	QPSK	20	27.0	25.94	0.10	Rear	0	1	0	1:2.31		15	0.227	1.276	0.290	-
SCC	2 529.7	39987		20						1	99							
	3 560	55340	Ant.H LTE 48 QPSK	20	25.0	24.33	0.17	Rear	0	1	99	1:1.58		15	0.215	1.167	0.251	-
	3 560	55340		20	24.0	23.62	-0.14	Rear	1	50	25	1:1.58		15	0.179	1.091	0.195	-
	3 560	55340		20	25.0	24.33	-0.08	Front	0	1	99	1:1.58		15	0.305	1.167	0.356	58
	3 560	55340		20	24.0	23.62	-0.13	Front	1	50	25	1:1.58		15	0.206	1.091	0.225	-
Up-link Carrier Aggregation (48C)																		
PCC	3 560	55340	QPSK	20	25.0	24.33	0.11	Front	0	1	99	1:1.58		15	0.266	1.167	0.310	-
SCC	3 670.2	56442		20						1	0							
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE Body-Worn SAR

Component CA	Frequency		Mode	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.																
	1 770	132572	Ant.A LTE 66 QPSK	20	25.5	24.79	-0.13	Rear	0	1	0	1:1	51	15	0.471	1.178	0.555	-
	1 745	132322		20	24.5	23.89	-0.14	Rear	1	50	25	1:1	51	15	0.401	1.151	0.462	-
	1 770	132572		20	25.5	24.79	-0.13	Front	0	1	0	1:1	51	15	0.494	1.178	0.582	59
	1 745	132322		20	24.5	23.89	-0.11	Front	1	50	25	1:1	51	15	0.392	1.151	0.451	-
	1 745	132322		15	25.5	24.75	0.19	Front	0	1	0	1:1	51	15	0.272	1.189	0.323	-
Up-link Carrier Aggregation (66B)																		
PCC	1 745	132322	QPSK	15	25.5	24.65	0.15	Front	0	1	0	1:1	51	15	0.302	1.216	0.367	-
SCC	1 735.1	132223		5						1	49	1:1						
Up-link Carrier Aggregation (66C)																		
PCC	1 770	132572	QPSK	20	25.5	24.62	0.11	Front	0	1	0	1:1	51	15	0.436	1.225	0.534	-
SCC	1750.2	132374		20						1	99	1:1						
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

NR Band Body-Worn

NR Body-Worn SAR																		
Frequency		Mode	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)			(mm)	(W/kg)		(W/kg)		
836.5	167300	Ant.A	20	25.5	24.45	0.07	Rear	0	1	104	1:1	4	15	0.135	1.274	0.172	60	
836.5	167300	NR n5	20	25.5	24.31	0.09	Rear	0	50	28	1:1	4	15	0.131	1.315	0.172	-	
836.5	167300	DFT-s OFDM	20	25.5	24.45	-0.01	Front	0	1	104	1:1	4	15	0.094	1.274	0.120	-	
836.5	167300	QPSK	20	25.5	24.31	0.03	Front	0	50	28	1:1	4	15	0.118	1.315	0.155	-	
836.5	167300	CP QPSK	20	24.0	22.85	-0.10	Rear	1.5	1	1	1:1	4	15	0.021	1.303	0.027	-	
707.5	141500	Ant.A	15	25.5	24.47	-0.11	Rear	0	1	1	1:1	1	15	0.088	1.268	0.112	-	
707.5	141500	NR n12	15	25.5	24.33	-0.12	Rear	0	36	22	1:1	1	15	0.101	1.309	0.132	61	
707.5	141500	DFT-s OFDM	15	25.5	24.47	-0.02	Front	0	1	1	1:1	1	15	0.081	1.268	0.103	-	
707.5	141500	QPSK	15	25.5	24.33	-0.08	Front	0	36	22	1:1	1	15	0.099	1.309	0.130	-	
707.5	141500	CP QPSK	15	24.0	22.75	-0.08	Rear	1.5	1	1	1:1	1	15	0.061	1.334	0.081	-	
1 882.5	376500	Ant.A NR n25	40	24.5	23.42	-0.12	Rear	0	1	108	1:1	115	15	0.663	1.282	0.850	62	
1 882.5	376500		40	24.5	23.01	-0.17	Rear	0	108	54	1:1	115	15	0.658	1.409	0.927	-	
1 882.5	376500		40	23.5	22.20	-0.11	Rear	1	216	0	1:1	115	15	0.489	1.349	0.660	-	
1 882.5	376500		DFT-s OFDM	40	24.5	23.42	-0.10	Front	0	1	108	1:1	115	15	0.641	1.282	0.822	-
1 882.5	376500		QPSK	40	24.5	23.01	-0.10	Front	0	108	54	1:1	115	15	0.653	1.409	0.920	-
1 882.5	376500		40	23.5	22.20	-0.19	Front	1	216	0	1:1	115	15	0.462	1.349	0.623	-	
1 882.5	376500	CP QPSK	40	23.0	22.04	-0.16	Rear	1.5	1	1	1:1	115	15	0.411	1.247	0.513	-	
2 310	462000	Ant.B NR n30	10	24.5	23.09	-0.13	Rear	0	1	26	1:1		15	0.548	1.384	0.758	-	
2 310	462000		10	24.5	23.03	-0.13	Rear	0	25	14	1:1		15	0.654	1.403	0.918	63	
2 310	462000		10	23.5	22.08	-0.14	Rear	1	50	0	1:1		15	0.627	1.387	0.870	-	
2 310	462000		DFT-s OFDM	10	24.5	23.09	-0.19	Front	0	1	26	1:1		15	0.540	1.384	0.747	-
2 310	462000		QPSK	10	24.5	23.03	-0.10	Front	0	25	14	1:1		15	0.643	1.403	0.902	-
2 310	462000		10	23.5	22.08	-0.13	Front	1	50	0	1:1		15	0.397	1.387	0.551	-	
2 310	462000	CP QPSK	10	23.0	21.49	-0.13	Rear	1.5	1	1	1:1		15	0.381	1.416	0.539	-	
2 592.99	518598	Ant.B	100	19.0	18.47	-0.10	Rear	0	1	271	1:1		15	0.127	1.130	0.144	64	
2 592.99	518598	NR n41(PC3)	100	19.0	18.53	0.12	Rear	0	135	69	1:1		15	0.063	1.114	0.070	-	
2 592.99	518598	DFT-s OFDM	100	19.0	18.47	0.15	Front	0	1	271	1:1		15	0.121	1.130	0.137	-	
2 592.99	518598	QPSK	100	19.0	18.53	-0.10	Front	0	135	69	1:1		15	0.065	1.114	0.072	-	
2 592.99	518598	CP QPSK	100	19.0	18.49	-0.15	Rear	0	1	1	1:1		15	0.101	1.125	0.114	-	
1 745	349000	Ant.A	40	24.5	23.61	0.02	Rear	0	1	1	1:1	51	15	0.543	1.227	0.666	-	
1 745	349000	NR n66	40	24.5	23.48	-0.08	Rear	0	108	54	1:1	51	15	0.581	1.265	0.735	65	
1 745	349000	DFT-s OFDM	40	24.5	23.61	-0.07	Front	0	1	1	1:1	51	15	0.524	1.227	0.643	-	
1 745	349000	QPSK	40	24.5	23.48	-0.02	Front	0	108	54	1:1	51	15	0.558	1.265	0.706	-	
1 745	349000	CP QPSK	40	23.0	22.18	-0.10	Rear	1.5	1	1	1:1	51	15	0.351	1.208	0.424	-	
680.5	136100	Ant.A	20	25.5	24.37	-0.02	Rear	0	1	1	1:1	1	15	0.124	1.297	0.161	66	
680.5	136100	NR n71	20	25.5	24.26	-0.04	Rear	0	50	28	1:1	1	15	0.122	1.330	0.162	-	
680.5	136100	DFT-s OFDM	20	25.5	24.37	-0.04	Front	0	1	1	1:1	1	15	0.105	1.297	0.136	-	
680.5	136100	QPSK	20	25.5	24.26	-0.01	Front	0	50	28	1:1	1	15	0.113	1.330	0.150	-	
680.5	136100	CP QPSK	20	24.0	22.72	-0.02	Rear	0	1	1	1:1	1	15	0.078	1.343	0.105	-	
ANSI/ IEEE C95.1 –2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram											

NR Body-Worn SAR																	
Frequency		Mode	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)	(mm)			(W/kg)	(W/kg)			
3 930	662000	Ant.H NR n77	100	18.0	17.68	0.00	Rear	0	1	1	1:1		15	0.075	1.076	0.081	-
3 930	662000		100	18.0	17.60	-0.13	Rear	0	135	69	1:1		15	0.106	1.096	0.116	-
3 930	662000	DFT-s OFDM	100	18.0	17.68	0.14	Front	0	1	1	1:1		15	0.087	1.076	0.094	-
3 930	662000	QPSK (PC3)	100	18.0	17.60	-0.14	Front	0	135	69	1:1		15	0.132	1.096	0.145	67
3 750	650000	CP QPSK	100	18.0	17.16	0.17	Front	0	1	1	1:1		15	0.109	1.213	0.132	-
3 500.01	633334	Ant.H NR n77 DFT-s	100	18.0	17.83	0.11	Rear	0	1	1	1:1		15	0.106	1.040	0.110	68
3 500.01	633334		100	18.0	17.54	-0.02	Rear	0	135	69	1:1		15	0.092	1.112	0.102	-
3 500.01	633334	OFDM QPSK	100	18.0	17.83	-0.10	Front	0	1	1	1:1		15	0.085	1.040	0.088	-
3 500.01	633334	(PC3) DoD	100	18.0	17.54	-0.15	Front	0	135	69	1:1		15	0.089	1.112	0.099	-
3 500.01	633334	CP QPSK	100	18.0	16.87	-0.11	Rear	0	1	1	1:1		15	0.099	1.297	0.128	-
ANSI/ IEEE C95.1 –2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram										

NR Band n77 SRS Body-Worn SAR (Power class 3- Ant. H)																	
Frequency		Mode	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)	(mm)			(W/kg)	(W/kg)			
SRS #2 Antenna E																	
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Rear	0	270	0	1:1		15	0.000	1.132	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Front	0	270	0	1:1		15	0.000	1.132	0.000	-
SRS #3 Antenna M-																	
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Rear	0	270	0	1:1		15	0.000	1.199	0.000	-
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Front	0	270	0	1:1		15	0.000	1.199	0.000	-
SRS #4 Antenna D																	
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Rear	0	270	0	1:1		15	0.033	1.466	0.048	69
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Front	0	270	0	1:1		15	0.000	1.466	0.000	-
ANSI/ IEEE C95.1 –2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram										

NR Band n77 DoD SRS Body-Worn SAR (Power class 3- Ant. H)

Frequency		Mode	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)							(mm)			(W/kg)	
SRS #2 Antenna E																	
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Rear	0	270	0	1:1		15	0.00309	1.247	0.004	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Front	0	270	0	1:1		15	0.0075	1.247	0.009	-
SRS #3 Antenna M																	
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Rear	0	270	0	1:1		15	0.000	1.279	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Front	0	270	0	1:1		15	0.000	1.279	0.000	-
SRS #4 Antenna D																	
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Rear	0	270	0	1:1		15	0.014	1.483	0.021	70
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Front	0	270	0	1:1		15	0.000	1.483	0.000	-
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	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																
2 437	6	802.11b	20	1	19.5	18.36	-0.03	Rear	Ant2	98.8	15	0.183	0.100	1.300	1.013	0.132	-
2 437	6	802.11b	20	1	19.5	18.36	0.13	Front	Ant2	98.8	15	0.190	0.102	1.300	1.013	0.134	-
2 412	1	802.11b	20	1	22.5	21.70	0.16	Rear	MIMO	98.8	15	0.463	0.276	1.315	1.013	0.368	71
2 412	1	802.11b	20	1	22.5	21.70	0.14	Front	MIMO	98.8	15	0.343	0.217	1.315	1.013	0.289	-
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 1g – RSDB, mmWave active/Sub6 active

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Sensor	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
2 437	6	802.11b	20	1	14	13.82	0.00	Rear	Ant2	Active	98.8	15	0.034	0.017	1.042	1.013	0.018	-
2 437	6	802.11b	20	1	14	13.82	0.00	Front	Ant2	Active	98.8	15	0.046	0.025	1.042	1.013	0.026	-
2 437	6	802.11b	20	1	17	16.81	-0.14	Rear	MIMO	Active	98.8	15	0.11	0.069	1.054	1.013	0.074	72
2 437	6	802.11b	20	1	17	16.81	0.15	Front	MIMO	Active	98.8	15	0.112	0.067	1.054	1.013	0.072	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram						

Note) * Reduction condition during simultaneous conditions with 5 GHz WLAN
 * Reduction condition during simultaneous conditions with mmWave and/or 5 GHz WLAN
 * Since the result of the above mode was the worst case condition than the RSDB mode, it was applied to the simultaneous transmission evaluation of the WLAN RSDB mode.

NII Body-Worn 1g SAR																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																
5 320	64	802.11a	20	6	21.0	20.78	-0.10	Rear	MIMO	94.2	15	0.563	0.217	1.081	1.064	0.250	-
5 320	64	802.11a	20	6	21.0	20.78	0.00	Front	MIMO	94.2	15	0.474	0.076	1.081	1.064	0.087	-
5 500	100	802.11a	20	6	21.0	20.43	0.00	Rear	MIMO	94.2	15	0.725	0.111	1.271	1.064	0.150	-
5 500	100	802.11a	20	6	21.0	20.43	0.00	Front	MIMO	94.2	15	0.472	0.029	1.271	1.064	0.039	-
5 825	165	802.11a	20	6	21.0	20.57	-0.13	Rear	MIMO	94.2	15	0.912	0.368	1.211	1.064	0.474	73
5 825	165	802.11a	20	6	21.0	20.57	0.00	Front	MIMO	94.2	15	0.335	0.103	1.211	1.064	0.133	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

NII Body-Worn SAR 1g(with mmWave /RSDB /5G Sub6)																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																
5 290	58	802.11ac	80	MCS0	14.0	13.40	0.00	Rear	MIMO	92.3	15	0.162	0.011	1.199	1.083	0.014	74
5 290	58	802.11ac	80	MCS0	14.0	13.40	0.00	Front	MIMO	92.3	15	0	0	1.199	1.083	0.000	-
5 690	138	802.11ac	80	MCS0	14.0	13.59	0.00	Rear	MIMO	92.3	15	0	0	1.194	1.083	0.000	-
5 690	138	802.11ac	80	MCS0	14.0	13.59	0.00	Front	MIMO	92.3	15	0	0	1.194	1.083	0.000	-
5 775	155	802.11ac	80	MCS0	14.0	13.59	0.00	Rear	MIMO	92.3	15	0.136	0.00204	1.211	1.083	0.003	-
5 775	155	802.11ac	80	MCS0	14.0	13.59	0.00	Front	MIMO	92.3	15	0	0	1.211	1.083	0.000	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

* Reduction condition during simultaneous conditions with 5G Sub 6 Mode and/or 2.4 GHz WLAN
 * Reduction condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN

DSS Body-Worn SAR												
Frequency		Mode	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.											
2 441	39	Bluetooth DH5	15.5	15.48	0.10	Rear	15	0.048	1.005	1.302	0.063	75
2 441	39	Bluetooth DH5	15.5	15.48	0.00	Front	15	0.031	1.005	1.302	0.041	-
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 (DSI = 3)

CDMA BC0 (\$22H) Hotspot SAR- Ant. A

Frequency		Mode		Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)				(mm)	(W/kg)		(W/kg)	
824.7	1013	CDMA BC0	EVDO Rev.0	25.0	23.71	0.03	Rear	1:1	111	10	0.532	1.346	0.716	-
836.52	384	CDMA BC0	EVDO Rev.0	25.0	23.89	0.05	Rear	1:1	111	10	0.631	1.291	0.815	76
848.31	777	CDMA BC0	EVDO Rev.0	25.0	23.77	0.09	Rear	1:1	111	10	0.571	1.327	0.758	-
836.52	384	CDMA BC0	EVDO Rev.0	25.0	23.89	-0.02	Front	1:1	111	10	0.550	1.291	0.710	-
836.52	384	CDMA BC0	EVDO Rev.0	25.0	23.89	-0.03	Left	1:1	111	10	0.091	1.291	0.117	-
836.52	384	CDMA BC0	EVDO Rev.0	25.0	23.89	0.03	Right	1:1	111	10	0.237	1.291	0.306	-
836.52	384	CDMA BC0	EVDO Rev.0	25.0	23.89	0.02	Bottom	1:1	111	10	0.300	1.291	0.387	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram							

PCS CDMA Hotspot SAR- Ant. A

Frequency		Mode		Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)				(mm)	(W/kg)		(W/kg)	
1 880.0	600	PCS CDMA	EVDO Rev.0	19.5	19.03	-0.16	Rear	1:1	115	10	0.466	1.114	0.519	-
1 880.0	600	PCS CDMA	EVDO Rev.0	19.5	19.03	-0.13	Front	1:1	115	10	0.424	1.114	0.472	-
1 880.0	600	PCS CDMA	EVDO Rev.0	19.5	19.03	0.12	Left	1:1	115	10	0.077	1.114	0.086	-
1 880.0	600	PCS CDMA	EVDO Rev.0	19.5	19.03	0.17	Right	1:1	115	10	0.063	1.114	0.070	-
1 880.0	600	PCS CDMA	EVDO Rev.0	19.5	19.03	0.05	Bottom	1:1	115	10	0.927	1.114	1.033	77
1 851.25	25	PCS CDMA	EVDO Rev.0	19.5	18.64	0.08	Bottom	1:1	115	10	0.678	1.219	0.826	-
1 908.75	1175	PCS CDMA	EVDO Rev.0	19.5	18.57	0.08	Bottom	1:1	115	10	0.885	1.239	1.097	-
1 880.0	600	PCS CDMA	EVDO Rev.0	19.5	19.03	-0.00	Bottom	1:1	115	10	0.797	1.114	0.888	*
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.

CDMA BC10 (\$90S) Hotspot SAR- Ant. A

Frequency		Mode		Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)				(mm)	(W/kg)		(W/kg)	
820	560	CDMA BC10	EVDO Rev.0	25.0	23.60	0.03	Rear	1:1	111	10	0.533	1.380	0.736	78
820	560	CDMA BC10	EVDO Rev.0	25.0	23.60	-0.06	Front	1:1	111	10	0.413	1.380	0.570	-
820	560	CDMA BC10	EVDO Rev.0	25.0	23.60	-0.15	Left	1:1	111	10	0.097	1.380	0.134	-
820	560	CDMA BC10	EVDO Rev.0	25.0	23.60	-0.06	Right	1:1	111	10	0.229	1.380	0.316	-
820	560	CDMA BC10	EVDO Rev.0	25.0	23.60	-0.02	Bottom	1:1	111	10	0.292	1.380	0.403	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram							

GSM 850 Hotspot SAR- Ant. A

Frequency		Mode	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)								
836.6	190	GPRS 2Tx	32.5	31.58	-0.17	Rear	1:4.15	10	1	0.616	1.236	0.761	79
836.6	190	GPRS 2Tx	32.5	31.58	-0.02	Front	1:4.15	10	1	0.547	1.236	0.676	-
836.6	190	GPRS 2Tx	32.5	31.58	-0.04	Left	1:4.15	10	1	0.113	1.236	0.140	-
836.6	190	GPRS 2Tx	32.5	31.58	-0.00	Right	1:4.15	10	1	0.417	1.236	0.515	-
836.6	190	GPRS 2Tx	32.5	31.58	0.01	Bottom	1:4.15	10	1	0.489	1.236	0.604	-
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- Ant. A

Frequency		Mode	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)								
1 880	661	GPRS 1TX	27.5	26.15	-0.15	Rear	1:8.3	10	115	0.215	1.365	0.293	-
1 880	661	GPRS 1TX	27.5	26.15	-0.12	Front	1:8.3	10	115	0.196	1.365	0.268	-
1 880	661	GPRS 1TX	27.5	26.15	-0.11	Left	1:8.3	10	115	0.042	1.365	0.057	-
1 880	661	GPRS 1TX	27.5	26.15	0.12	Right	1:8.3	10	115	0.025	1.365	0.034	-
1 880	661	GPRS 1TX	27.5	26.15	0.08	Bottom	1:8.3	10	115	0.379	1.365	0.517	80
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- Ant. A

Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.		(dB)	(dB)	(dB)								
836.6	4183	RMC	25.0	23.96	-0.04	Rear	1:1	02	1	0.621	1.271	0.789	81
836.6	4183	RMC	25.0	23.96	0.01	Front	1:1	02	1	0.415	1.271	0.527	-
836.6	4183	RMC	25.0	23.96	0.05	Left	1:1	02	1	0.121	1.271	0.154	-
836.6	4183	RMC	25.0	23.96	0.05	Right	1:1	02	1	0.411	1.271	0.522	-
836.6	4183	RMC	25.0	23.96	0.04	Bottom	1:1	02	1	0.424	1.271	0.539	-
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- Ant. A

Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.		(dB)	(dB)	(dB)								
1 732.4	1412	RMC	19.5	18.27	0.18	Rear	1:1	01	51	0.223	1.327	0.296	-
1 732.4	1412	RMC	19.5	18.27	0.17	Front	1:1	01	51	0.252	1.327	0.334	-
1 732.4	1412	RMC	19.5	18.27	-0.13	Left	1:1	01	51	0.061	1.327	0.081	-
1 732.4	1412	RMC	19.5	18.27	0.17	Right	1:1	01	51	0.044	1.327	0.058	-
1 732.4	1412	RMC	19.5	18.27	0.07	Bottom	1:1	01	51	0.512	1.327	0.679	82
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						Body 1.6 W/kg Averaged over 1 gram							

UMTS Band 2 Hotspot SAR- Ant. A

Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.												
1 880.0	9400	RMC	19.0	18.44	-0.14	Rear	1:1	14	113	0.376	1.138	0.428	-
1 880.0	9400	RMC	19.0	18.44	-0.14	Front	1:1	14	113	0.455	1.138	0.518	-
1 880.0	9400	RMC	19.0	18.44	-0.19	Left	1:1	14	113	0.076	1.138	0.086	-
1 880.0	9400	RMC	19.0	18.44	-0.14	Right	1:1	14	113	0.058	1.138	0.066	-
1 880.0	9400	RMC	19.0	18.44	0.05	Bottom	1:1	14	113	0.858	1.138	0.976	-
1 852.4	9262	RMC	19.0	18.47	0.03	Bottom	1:1	14	113	0.680	1.130	0.768	-
1 907.6	9538	RMC	19.0	18.47	-0.04	Bottom	1:1	14	113	0.976	1.130	1.103	83
1 907.6	9538	RMC	19.0	18.47	0.04	Bottom	1:1	14	113	0.932	1.130	1.053	*

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 Band 7 Hotspot SAR- Ant. B

Frequency		Mode	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	20	21.0	19.76	-0.10	Rear	0	1	0	1:1		10	0.406	1.330	0.540	-
2 510	20850	QPSK	20	21.0	19.83	-0.18	Rear	0	50	25	1:1		10	0.419	1.309	0.548	-
2 510	20850	QPSK	20	21.0	19.76	0.13	Front	0	1	0	1:1		10	0.305	1.330	0.406	-
2 510	20850	QPSK	20	21.0	19.83	0.00	Front	0	50	25	1:1		10	0.314	1.309	0.411	-
2 510	20850	QPSK	20	21.0	19.76	-0.07	Left	0	1	0	1:1		10	0.182	1.330	0.242	-
2 510	20850	QPSK	20	21.0	19.83	-0.10	Left	0	50	25	1:1		10	0.188	1.309	0.246	-
2 510	20850	QPSK	20	21.0	19.76	-0.03	Bottom	0	1	0	1:1		10	0.520	1.330	0.692	-
2 510	20850	QPSK	20	21.0	19.83	-0.03	Bottom	0	50	25	1:1		10	0.542	1.309	0.709	84

ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population	Body 1.6 W/kg Averaged over 1 gram
--	--

LTE Band 12 Hotspot SAR- Ant. A

Frequency		Mode	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.																
707.5	23095	QPSK	10	25.5	24.02	-0.01	Rear	0	1	0	1:1	4	10	0.261	1.406	0.367	85
707.5	23095	QPSK	10	24.5	23.05	-0.03	Rear	1	25	12	1:1	4	10	0.214	1.396	0.299	-
707.5	23095	QPSK	10	25.5	24.02	-0.03	Front	0	1	0	1:1	4	10	0.186	1.406	0.262	-
707.5	23095	QPSK	10	24.5	23.05	0.01	Front	1	25	12	1:1	4	10	0.164	1.396	0.229	-
707.5	23095	QPSK	10	25.5	24.02	0.08	Left	0	1	0	1:1	4	10	0.080	1.406	0.112	-
707.5	23095	QPSK	10	24.5	23.05	-0.02	Left	1	25	12	1:1	4	10	0.077	1.396	0.107	-
707.5	23095	QPSK	10	25.5	24.02	0.01	Right	0	1	0	1:1	4	10	0.143	1.406	0.201	-
707.5	23095	QPSK	10	24.5	23.05	0.02	Right	1	25	12	1:1	4	10	0.119	1.396	0.166	-
707.5	23095	QPSK	10	25.5	24.02	0.00	Bottom	0	1	0	1:1	4	10	0.182	1.406	0.256	-
707.5	23095	QPSK	10	24.5	23.05	-0.05	Bottom	1	25	12	1:1	4	10	0.147	1.396	0.205	-

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 13 Hotspot SAR- Ant. A

Frequency		Mode	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.																
782	23230	QPSK	10	25.5	24.15	0.02	Rear	0	1	49	1:1	1	10	0.537	1.365	0.733	86
782	23230	QPSK	10	24.5	23.17	0.04	Rear	1	25	24	1:1	1	10	0.355	1.358	0.482	-
782	23230	QPSK	10	25.5	24.15	-0.03	Front	0	1	49	1:1	1	10	0.379	1.365	0.517	-
782	23230	QPSK	10	24.5	23.17	-0.07	Front	1	25	24	1:1	1	10	0.327	1.358	0.444	-
782	23230	QPSK	10	25.5	24.15	0.03	Left	0	1	49	1:1	1	10	0.108	1.365	0.147	-
782	23230	QPSK	10	24.5	23.17	0.11	Left	1	25	24	1:1	1	10	0.091	1.358	0.124	-
782	23230	QPSK	10	25.5	24.15	0.02	Right	0	1	49	1:1	1	10	0.320	1.365	0.437	-
782	23230	QPSK	10	24.5	23.17	0.06	Right	1	25	24	1:1	1	10	0.258	1.358	0.350	-
782	23230	QPSK	10	25.5	24.15	0.05	Bottom	0	1	49	1:1	1	10	0.311	1.365	0.425	-
782	23230	QPSK	10	24.5	23.17	0.05	Bottom	1	25	24	1:1	1	10	0.247	1.358	0.335	-

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 14 Hotspot SAR- Ant. A

Frequency		Mode	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.																
793	23330	QPSK	10	25.5	24.28	-0.01	Rear	0	1	24	1:1	4	10	0.462	1.324	0.612	87
793	23330	QPSK	10	24.5	23.36	-0.06	Rear	1	25	24	1:1	4	10	0.378	1.300	0.491	-
793	23330	QPSK	10	25.5	24.28	-0.06	Front	0	1	24	1:1	4	10	0.487	1.324	0.607	-
793	23330	QPSK	10	24.5	23.36	-0.03	Front	1	25	24	1:1	4	10	0.371	1.300	0.482	-
793	23330	QPSK	10	25.5	24.28	0.04	Left	0	1	24	1:1	4	10	0.142	1.324	0.188	-
793	23330	QPSK	10	24.5	23.36	0.03	Left	1	25	24	1:1	4	10	0.113	1.300	0.147	-
793	23330	QPSK	10	25.5	24.28	0.04	Right	0	1	24	1:1	4	10	0.436	1.324	0.577	-
793	23330	QPSK	10	24.5	23.36	0.03	Right	1	25	24	1:1	4	10	0.356	1.300	0.463	-
793	23330	QPSK	10	25.5	24.28	0.06	Bottom	0	1	24	1:1	4	10	0.380	1.324	0.503	-
793	23330	QPSK	10	24.5	23.36	0.04	Bottom	1	25	24	1:1	4	10	0.307	1.300	0.399	-

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 25 Hotspot SAR- Ant. A

Frequency		Mode	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.																
1 860	26140	QPSK	20	19.5	18.54	-0.08	Rear	0	1	0	1:1	115	10	0.349	1.247	0.435	-
1 860	26140	QPSK	20	19.5	18.64	0.10	Rear	0	50	0	1:1	115	10	0.362	1.219	0.441	-
1 860	26140	QPSK	20	19.5	18.54	-0.19	Front	0	1	0	1:1	115	10	0.337	1.247	0.420	-
1 860	26140	QPSK	20	19.5	18.64	0.10	Front	0	50	0	1:1	115	10	0.346	1.219	0.422	-
1 860	26140	QPSK	20	19.5	18.54	-0.00	Left	0	1	0	1:1	115	10	0.063	1.247	0.079	-
1 860	26140	QPSK	20	19.5	18.64	-0.19	Left	0	50	0	1:1	115	10	0.066	1.219	0.080	-
1 860	26140	QPSK	20	19.5	18.54	-0.04	Right	0	1	0	1:1	115	10	0.047	1.247	0.059	-
1 860	26140	QPSK	20	19.5	18.64	0.18	Right	0	50	0	1:1	115	10	0.049	1.219	0.060	-
1 860	26140	QPSK	20	19.5	18.54	0.03	Bottom	0	1	0	1:1	115	10	0.623	1.247	0.777	-
1 860	26140	QPSK	20	19.5	18.64	-0.02	Bottom	0	50	0	1:1	115	10	0.653	1.219	0.796	88

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 26 Hotspot SAR- Ant. A

Component CA	Frequency		Mode	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.																
	831.5	26865	QPSK	15	25.5	23.95	-0.05	Rear	0	1	0	1:1	4	10	0.525	1.429	0.750	89
	831.5	26865	QPSK	15	24.5	22.89	-0.05	Rear	1	36	18	1:1	4	10	0.337	1.449	0.488	-
	831.5	26865	QPSK	15	25.5	23.95	-0.11	Front	0	1	0	1:1	4	10	0.425	1.429	0.607	-
	831.5	26865	QPSK	15	24.5	22.89	-0.02	Front	1	36	18	1:1	4	10	0.362	1.449	0.525	-
	831.5	26865	QPSK	15	25.5	23.95	-0.10	Left	0	1	0	1:1	4	10	0.074	1.429	0.106	-
	831.5	26865	QPSK	15	24.5	22.89	-0.14	Left	1	36	18	1:1	4	10	0.033	1.449	0.048	-
	831.5	26865	QPSK	15	25.5	23.95	0.13	Right	0	1	0	1:1	4	10	0.142	1.429	0.203	-
	831.5	26865	QPSK	15	24.5	22.89	-0.18	Right	1	36	18	1:1	4	10	0.140	1.449	0.203	-
	831.5	26865	QPSK	15	25.5	23.95	-0.01	Bottom	0	1	0	1:1	4	10	0.216	1.429	0.309	-
	831.5	26865	QPSK	15	24.5	22.89	0.15	Bottom	1	36	18	1:1	4	10	0.202	1.449	0.293	-
	836.5	20525	QPSK	15	25.5	24.04	0.07	Rear	0	1	49	1:1	4	10	0.400	1.400	0.560	-

LTE Band 5 Up-link Carrier Aggregation (5B)

PCC	836.5	20525	LTE 5	10	25.5	24.14	0.13	Rear	0	1	49	1:1	4	15	0.437	1.368	0.598	-
SCC	843.7	20597	QPSK	5						1	0							

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 30 Hotspot SAR- Ant. B

Frequency	Mode	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.
2 310	27710	QPSK	10	19.0	18.00	-0.12	Rear	0	1	49	1:1	10	0.288	1.259	0.363	-
2 310	27710	QPSK	10	19.0	18.02	0.17	Rear	0	25	12	1:1	10	0.298	1.253	0.373	-
2 310	27710	QPSK	10	19.0	18.00	0.15	Front	0	1	49	1:1	10	0.286	1.259	0.360	-
2 310	27710	QPSK	10	19.0	18.02	0.15	Front	0	25	12	1:1	10	0.300	1.253	0.376	-
2 310	27710	QPSK	10	19.0	18.00	0.10	Left	0	1	49	1:1	10	0.077	1.259	0.097	-
2 310	27710	QPSK	10	19.0	18.02	0.14	Left	0	25	12	1:1	10	0.081	1.253	0.101	-
2 310	27710	QPSK	10	19.0	18.00	0.02	Bottom	0	1	49	1:1	10	0.772	1.259	0.972	-
2 310	27710	QPSK	10	19.0	18.02	0.09	Bottom	0	25	12	1:1	10	0.806	1.253	1.010	90
2 310	27710	QPSK	10	19.0	17.98	0.06	Bottom	0	50	0	1:1	10	0.784	1.265	0.992	-
2 310	27710	QPSK	10	19.0	18.02	0.03	Bottom	0	25	12	1:1	10	0.804	1.253	1.007	*

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 Band 40 Hotspot SAR_ Lower frequency range- Ant. B

Frequency		Mode	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.																
2 310	38750	QPSK	10	14.0	12.89	0.00	Rear	0	1	24	1:1.58		10	0.063	1.291	0.081	-
2 310	38750	QPSK	10	14.0	13.09	0.14	Rear	0	25	12	1:1.58		10	0.061	1.233	0.075	-
2 310	38750	QPSK	10	14.0	12.89	0.00	Front	0	1	24	1:1.58		10	0.058	1.291	0.075	-
2 310	38750	QPSK	10	14.0	13.09	-0.10	Front	0	25	12	1:1.58		10	0.058	1.233	0.072	-
2 310	38750	QPSK	10	14.0	12.89	-0.13	Left	0	1	24	1:1.58		10	0.013	1.291	0.017	-
2 310	38750	QPSK	10	14.0	13.09	0.14	Left	0	25	12	1:1.58		10	0.014	1.233	0.017	-
2 310	38750	QPSK	10	14.0	12.89	-0.00	Bottom	0	1	24	1:1.58		10	0.103	1.291	0.133	-
2 310	38750	QPSK	10	14.0	13.09	-0.17	Bottom	0	25	12	1:1.58		10	0.123	1.233	0.152	91
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram										

LTE Band 40 Hotspot SAR_ Upper frequency range- Ant. B

Frequency		Mode	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.																
2 355	39200	QPSK	10	14.0	12.56	0.00	Rear	0	1	24	1:1.58		10	0.055	1.393	0.077	-
2 355	39200	QPSK	10	14.0	12.79	0.00	Rear	0	25	12	1:1.58		10	0.056	1.321	0.074	-
2 355	39200	QPSK	10	14.0	12.56	0.00	Front	0	1	24	1:1.58		10	0.064	1.393	0.089	-
2 355	39200	QPSK	10	14.0	12.79	-0.14	Front	0	25	12	1:1.58		10	0.062	1.321	0.082	-
2 355	39200	QPSK	10	14.0	12.56	0.14	Left	0	1	24	1:1.58		10	0.012	1.393	0.017	-
2 355	39200	QPSK	10	14.0	12.79	0.15	Left	0	25	12	1:1.58		10	0.013	1.321	0.017	-
2 355	39200	QPSK	10	14.0	12.56	0.07	Bottom	0	1	24	1:1.58		10	0.116	1.393	0.162	-
2 355	39200	QPSK	10	14.0	12.79	-0.05	Bottom	0	25	12	1:1.58		10	0.129	1.321	0.170	92
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram										

LTE TDD Band 41 Hotspot SAR (Power Class 3) - Ant. B

Component CA	Frequency		Mode	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	QPSK	20	22.5	20.99	-0.13	Rear	0	1	0	1:1.58		10	0.305	1.416	0.432	-
	2 506	39750	QPSK	20	22.5	21.03	-0.17	Rear	0	50	25	1:1.58		10	0.299	1.403	0.419	-
	2 506	39750	QPSK	20	22.5	20.99	0.00	Front	0	1	0	1:1.58		10	0.208	1.416	0.295	-
	2 506	39750	QPSK	20	22.5	21.03	0.00	Front	0	50	25	1:1.58		10	0.189	1.403	0.265	-
	2 506	39750	QPSK	20	22.5	20.99	-0.11	Left	0	1	0	1:1.58		10	0.139	1.416	0.197	-
	2 506	39750	QPSK	20	22.5	21.03	-0.18	Left	0	50	25	1:1.58		10	0.143	1.403	0.201	-
	2 506	39750	QPSK	20	22.5	20.99	-0.04	Bottom	0	1	0	1:1.58		10	0.357	1.416	0.506	-
	2 506	39750	QPSK	20	22.5	21.03	-0.04	Bottom	0	50	25	1:1.58		10	0.377	1.403	0.529	93
	2 506	39750	QPSK	20	22.5	21.01	0.15	Bottom	0	1	99	1:1.58		10	0.374	1.409	0.527	-

Up-link Carrier Aggregation Power class 3 (41C)

PCC	2 506	39750	QPSK	20	22.5	20.79	0.10	Bottom	0	1	99	1:1.58		10	0.373	1.416	0.528	-
SCC	2 525.8	39948		20						1	0							
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE TDD Band 41 Hotspot SAR (Power Class 2) - Ant. B

Component CA	Frequency		Mode	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	QPSK	20	23.0	22.07	-0.17	Rear	0	1	0	1:2.31		10	0.283	1.239	0.351	-
	2 506	39750	QPSK	20	23.0	22.10	-0.15	Rear	0	50	25	1:2.31		10	0.284	1.230	0.349	-
	2 506	39750	QPSK	20	23.0	22.07	0.10	Front	0	1	0	1:2.31		10	0.208	1.239	0.258	-
	2 506	39750	QPSK	20	23.0	22.10	0.00	Front	0	50	25	1:2.31		10	0.215	1.230	0.264	-
	2 506	39750	QPSK	20	23.0	22.07	-0.14	Left	0	1	0	1:2.31		10	0.122	1.239	0.151	-
	2 506	39750	QPSK	20	23.0	22.10	0.09	Left	0	50	25	1:2.31		10	0.122	1.230	0.150	-
	2 506	39750	QPSK	20	23.0	22.07	-0.07	Bottom	0	1	0	1:2.31		10	0.425	1.239	0.527	-
	2 506	39750	QPSK	20	23.0	22.10	-0.06	Bottom	0	50	25	1:2.31		10	0.459	1.230	0.565	94
	2 506	39750	QPSK	20	23.0	21.88	0.14	Bottom	0	1	99	1:2.31		10	0.384	1.294	0.497	-

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

PCC	2 506	39750	QPSK	20	23.0	21.85	0.17	Bottom	0	1	99	1:2.31		10	0.385	1.303	0.502	-
SCC	2 525.8	39948		20						1	0							
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE TDD Band 48 Hotspot SAR- Ant. H

Component CA	Frequency		Mode	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.																
	3 560.0	55340	QPSK	20	21.0	19.30	-0.14	Rear	0	1	99	1:1.58		10	0.160	1.479	0.237	-
	3 646.7	56207	QPSK	20	21.0	19.44	-0.12	Rear	0	50	25	1:1.58		10	0.120	1.432	0.172	-
	3 560.0	55340	QPSK	20	21.0	19.30	-0.18	Front	0	1	99	1:1.58		10	0.150	1.479	0.222	-
	3 646.7	56207	QPSK	20	21.0	19.44	-0.15	Front	0	50	25	1:1.58		10	0.123	1.432	0.176	-
	3 560.0	55340	QPSK	20	21.0	19.30	-0.13	Left	0	1	99	1:1.58		10	0.157	1.479	0.232	-
	3 646.7	56207	QPSK	20	21.0	19.44	-0.09	Left	0	50	25	1:1.58		10	0.144	1.432	0.206	-
	3 560.0	55340	QPSK	20	21.0	19.30	0.10	Top	0	1	99	1:1.58		10	0.191	1.479	0.282	-
	3 646.7	56207	QPSK	20	21.0	19.42	0.17	Top	0	50	25	1:1.58		10	0.193	1.439	0.278	-
	3 646.7	56207	QPSK	20	21.0	19.38	0.19	Top	0	50	49	1:1.58		10	0.209	1.452	0.303	95

Up-link Carrier Aggregation (48C)

PCC	3 646.7	56207	QPSK	20	21.0	19.40	0.16	Top	0	50	49	1:1.58		10	0.209	1.445	0.302	-
SCC	3 666.5	56405		20						50	0							

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 66 Hotspot SAR- Ant. A

Component CA	Frequency		Mode	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.																
	1 770	132572	QPSK	20	20.5	19.39	-0.17	Rear	0	1	49	1:1	51	10	0.414	1.291	0.534	-
	1 720	132072	QPSK	20	20.5	19.41	-0.14	Rear	0	50	25	1:1	51	10	0.368	1.285	0.473	-
	1 770	132572	QPSK	20	20.5	19.39	-0.01	Front	0	1	49	1:1	51	10	0.380	1.291	0.491	-
	1 720	132072	QPSK	20	20.5	19.41	-0.01	Front	0	50	25	1:1	51	10	0.437	1.285	0.562	-
	1 770	132572	QPSK	20	20.5	19.39	0.02	Left	0	1	49	1:1	51	10	0.055	1.291	0.071	-
	1 720	132072	QPSK	20	20.5	19.41	0.04	Left	0	50	25	1:1	51	10	0.045	1.285	0.058	-
	1 770	132572	QPSK	20	20.5	19.39	0.14	Right	0	1	49	1:1	51	10	0.041	1.291	0.053	-
	1 720	132072	QPSK	20	20.5	19.41	0.10	Right	0	50	25	1:1	51	10	0.061	1.285	0.078	-
	1 770	132572	QPSK	20	20.5	19.39	0.02	Bottom	0	1	49	1:1	51	10	0.513	1.291	0.662	-
	1 720	132072	QPSK	20	20.5	19.41	0.01	Bottom	0	50	25	1:1	51	10	0.401	1.285	0.515	-
	1 772.5	132597	QPSK	15	20.5	19.39	-0.02	Bottom	0	1	0	1:1	51	10	0.570	1.291	0.736	-
	1 770	132572	QPSK	20	20.5	19.13	-0.05	Bottom	0	1	0	1:1	51	10	0.488	1.371	0.669	-

Up-link Carrier Aggregation (66B)

PCC	1 772.5	132597	QPSK	15	20.5	19.28	-0.10	Bottom	0	1	0	1:1	51	10	0.589	1.324	0.780	96
SCC	1724.9	132121		10						1	24							

Up-link Carrier Aggregation (66C)

PCC	1 770	132572	QPSK	20	20.5	19.07	0.15	Bottom	0	1	0	1:1	51	10	0.474	1.390	0.659	-
SCC	1739.8	132270		20						1	99							

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

Body
1.6 W/kg
Averaged over 1 gram

LTE Band 71 Hotspot SAR- Ant. A

Frequency		Mode	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.																
680.5	133297	QPSK	20	25.5	24.51	-0.01	Rear	0	1	49	1:1	4	10	0.311	1.256	0.391	97
680.5	133297	QPSK	20	24.5	23.54	-0.02	Rear	1	50	25	1:1	4	10	0.258	1.247	0.322	-
680.5	133297	QPSK	20	25.5	24.51	-0.09	Front	0	1	49	1:1	4	10	0.195	1.256	0.245	-
680.5	133297	QPSK	20	24.5	23.54	-0.00	Front	1	50	25	1:1	4	10	0.160	1.247	0.200	-
680.5	133297	QPSK	20	25.5	24.51	0.10	Left	0	1	49	1:1	4	10	0.111	1.256	0.139	-
680.5	133297	QPSK	20	24.5	23.54	0.16	Left	1	50	25	1:1	4	10	0.089	1.247	0.111	-
680.5	133297	QPSK	20	25.5	24.51	-0.06	Right	0	1	49	1:1	4	10	0.179	1.256	0.225	-
680.5	133297	QPSK	20	24.5	23.54	-0.04	Right	1	50	25	1:1	4	10	0.142	1.247	0.177	-
680.5	133297	QPSK	20	25.5	24.51	0.01	Bottom	0	1	49	1:1	4	10	0.166	1.256	0.208	-
680.5	133297	QPSK	20	24.5	23.54	-0.06	Bottom	1	50	25	1:1	4	10	0.138	1.247	0.172	-

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

Body
1.6 W/kg
Averaged over 1 gram

NR Band n5 (Cell) Hotspot SAR- Ant. A

Frequency		Mode	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.																
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	0.11	Rear	0	1	104	1:1	4	10	0.281	1.274	0.358	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.08	Rear	0	50	28	1:1	4	10	0.335	1.315	0.441	98
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	-0.09	Front	0	1	104	1:1	4	10	0.185	1.274	0.236	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.04	Front	0	50	28	1:1	4	10	0.201	1.315	0.264	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	-0.13	Left	0	1	104	1:1	4	10	0.020	1.274	0.025	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.16	Left	0	50	28	1:1	4	10	0.026	1.315	0.034	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	-0.03	Right	0	1	104	1:1	4	10	0.069	1.274	0.088	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	0.04	Right	0	50	28	1:1	4	10	0.103	1.315	0.135	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.45	-0.05	Bottom	0	1	104	1:1	4	10	0.128	1.274	0.163	-
836.5	167300	DFT-s OFDM QPSK	20	25.5	24.31	-0.01	Bottom	0	50	28	1:1	4	10	0.156	1.315	0.205	-
836.5	167300	CP QPSK	20	24.0	22.85	0.03	Rear	1.5	1	1	1:1	4	10	0.052	1.303	0.068	-

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

Body
1.6 W/kg
Averaged over 1 gram

NR Band n12 Hotspot SAR- Ant. A

Frequency		Mode	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.		(Mhz)	(dBm)	(dBm)	(dB)		(dB)					(mm)			(W/kg)	
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	0.02	Rear	0	1	1	1:1	1	10	0.204	1.268	0.259	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	0.01	Rear	0	36	22	1:1	1	10	0.212	1.309	0.278	99
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.09	Front	0	1	1	1:1	1	10	0.126	1.268	0.160	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.05	Front	0	36	22	1:1	1	10	0.134	1.309	0.175	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.01	Left	0	1	1	1:1	1	10	0.056	1.268	0.071	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.06	Left	0	36	22	1:1	1	10	0.055	1.309	0.072	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	0.09	Right	0	1	1	1:1	1	10	0.064	1.268	0.081	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.13	Right	0	36	22	1:1	1	10	0.072	1.309	0.094	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.47	-0.11	Bottom	0	1	1	1:1	1	10	0.105	1.268	0.133	-
707.5	141500	DFT-s OFDM QPSK	15	25.5	24.33	-0.05	Bottom	0	36	22	1:1	1	10	0.111	1.309	0.145	-
707.5	141500	CP QPSK	15	24.0	22.75	0.05	Rear	1.5	1	1	1:1	1	10	0.128	1.334	0.171	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram										

NR Band n25 Hotspot SAR- Ant. A

Frequency		Mode	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	MPR	RB Size	RB offset	Duty Cycle	Ant. State	Distance	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.		(Mhz)	(dBm)	(dBm)	(dB)		(dB)					(mm)			(W/kg)	
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	0.12	Rear	0	1	1	1:1	115	10	0.457	1.368	0.625	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	-0.11	Rear	0	108	0	1:1	115	10	0.373	1.442	0.538	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	0.13	Front	0	1	1	1:1	115	10	0.420	1.368	0.575	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	-0.17	Front	0	108	0	1:1	115	10	0.381	1.442	0.549	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	-0.03	Left	0	1	1	1:1	115	10	0.072	1.368	0.098	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	-0.13	Left	0	108	0	1:1	115	10	0.066	1.442	0.095	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	-0.05	Right	0	1	1	1:1	115	10	0.055	1.368	0.075	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	0.12	Right	0	108	0	1:1	115	10	0.050	1.442	0.072	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	0.09	Bottom	0	1	1	1:1	115	10	0.726	1.368	0.993	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	0.17	Bottom	0	108	0	1:1	115	10	0.691	1.442	0.996	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	0.12	Bottom	0	216	0	1:1	115	10	0.715	1.442	1.031	-
1 882.5	376500	CP QPSK	40	19.5	18.13	0.14	Bottom	0	1	1	1:1	115	10	0.735	1.371	1.008	100
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram										



NR Band n30 Hotspot SAR- Ant. B																	
Frequency		Mode	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.																
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.29	-0.12	Rear	0	1	1	1:1		10	0.397	1.321	0.524	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.32	-0.12	Rear	0	25	27	1:1		10	0.352	1.312	0.462	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.29	-0.14	Front	0	1	1	1:1		10	0.423	1.321	0.559	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.32	-0.13	Front	0	25	27	1:1		10	0.370	1.312	0.485	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.29	0.11	Left	0	1	1	1:1		10	0.084	1.321	0.111	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.32	0.14	Left	0	25	27	1:1		10	0.088	1.312	0.115	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.29	0.05	Bottom	0	1	1	1:1		10	0.767	1.321	1.013	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.32	0.19	Bottom	0	25	27	1:1		10	0.772	1.312	1.013	101
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.25	0.16	Bottom	0	50	0	1:1		10	0.764	1.334	1.019	-
2 310	462000	CP QPSK	10	18.5	17.46	0.05	Bottom	0	1	1	1:1		10	0.745	1.271	0.947	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR Band n41 Hotspot SAR– Power class 3 - Ant. B																	
Frequency		Mode	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.																
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.06	Rear	0	1	271	1:1		10	0.246	1.130	0.278	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.17	Rear	0	135	69	1:1		10	0.112	1.114	0.125	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	-0.12	Front	0	1	271	1:1		10	0.256	1.130	0.289	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	-0.18	Front	0	135	69	1:1		10	0.093	1.114	0.104	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.03	Left	0	1	271	1:1		10	0.169	1.130	0.191	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	-0.11	Left	0	135	69	1:1		10	0.125	1.114	0.139	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.07	Bottom	0	1	271	1:1		10	0.424	1.130	0.479	102
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.11	Bottom	0	135	69	1:1		10	0.363	1.114	0.404	-
2 592.99	518598	CP QPSK	100	19.0	18.49	0.08	Bottom	0	1	1	1:1		10	0.385	1.125	0.433	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR Band n66 Hotspot SAR- Ant. A

Frequency		Mode	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 (W/kg)	Plot No.
Mhz	Ch.		(Mhz)	(dBm)	(dBm)	(dB)											
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.45	-0.05	Rear	0	1	1	1:1	51	10	0.442	1.135	0.502	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.33	-0.12	Rear	0	108	0	1:1	51	10	0.480	1.167	0.560	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.45	-0.10	Front	0	1	1	1:1	51	10	0.433	1.135	0.491	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.33	-0.04	Front	0	108	0	1:1	51	10	0.497	1.167	0.580	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.45	0.02	Left	0	1	1	1:1	51	10	0.098	1.135	0.111	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.33	0.14	Left	0	108	0	1:1	51	10	0.090	1.167	0.105	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.45	0.03	Right	0	1	1	1:1	51	10	0.070	1.135	0.079	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.33	0.14	Right	0	108	0	1:1	51	10	0.064	1.167	0.075	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.45	0.16	Bottom	0	1	1	1:1	51	10	0.900	1.135	1.022	103
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.33	0.14	Bottom	0	108	0	1:1	51	10	0.894	1.167	1.043	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.10	0.04	Bottom	0	216	0	1:1	51	10	0.820	1.230	1.009	-
1 745	349000	CP OFDM QPSK	40	20.0	19.16	0.12	Bottom	0	1	1	1:1	51	10	0.744	1.213	0.902	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.45	0.15	Bottom	0	1	1	1:1	51	10	0.824	1.135	0.935	*
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 Band n71 Hotspot SAR- Ant. A

Frequency		Mode	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 (W/kg)	Plot No.
Mhz	Ch.		(Mhz)	(dBm)	(dBm)	(dB)											
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	0.01	Rear	0	1	1	1:1	1	10	0.244	1.297	0.316	-
680.5	136100	DFT-s OFD QPSK	20	25.5	24.26	-0.05	Rear	0	50	28	1:1	1	10	0.248	1.330	0.330	104
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	-0.02	Front	0	1	1	1:1	1	10	0.112	1.297	0.145	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	0.03	Front	0	50	28	1:1	1	10	0.154	1.330	0.205	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	-0.08	Left	0	1	1	1:1	1	10	0.076	1.297	0.099	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	-0.10	Left	0	50	28	1:1	1	10	0.076	1.330	0.101	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	-0.06	Right	0	1	1	1:1	1	10	0.130	1.297	0.169	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	-0.02	Right	0	50	28	1:1	1	10	0.144	1.330	0.192	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.37	-0.10	Bottom	0	1	1	1:1	1	10	0.103	1.297	0.134	-
680.5	136100	DFT-s OFDM QPSK	20	25.5	24.26	-0.07	Bottom	0	50	28	1:1	1	10	0.135	1.330	0.180	-
680.5	136100	CP QPSK	20	24.0	22.72	0.00	Rear	1.5	1	1	1:1	1	10	0.146	1.343	0.196	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR Band n77 Hotspot SAR - Power Class 3 - Ant. H

Frequency		Mode	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)											
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	-0.15	Rear	0	1	1	1:1		10	0.153	1.076	0.165	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	-0.12	Rear	0	135	69	1:1		10	0.221	1.096	0.242	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	-0.18	Front	0	1	1	1:1		10	0.174	1.076	0.187	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	-0.03	Front	0	135	69	1:1		10	0.231	1.096	0.253	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	0.17	Left	0	1	1	1:1		10	0.130	1.076	0.140	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	0.04	Left	0	135	69	1:1		10	0.173	1.096	0.190	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	0.13	Top	0	1	1	1:1		10	0.303	1.076	0.326	105
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	-0.00	Top	0	135	69	1:1		10	0.246	1.096	0.270	-
3 750	650000	CP QPSK	100	18.0	17.16	-0.07	Top	0	1	1	1:1		10	0.231	1.213	0.280	-

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

Body
1.6 W/kg
Averaged over 1 gram

NR Band n77 (DoD) Hotspot SAR - Power Class 3 - Ant. H

Frequency		Mode	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)											
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.83	-0.15	Rear	0	1	1	1:1		10	0.227	1.040	0.236	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.54	0.13	Rear	0	135	69	1:1		10	0.150	1.112	0.167	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.83	-0.18	Front	0	1	1	1:1		10	0.151	1.040	0.157	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.54	0.17	Front	0	135	69	1:1		10	0.160	1.112	0.178	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.83	-0.00	Left	0	1	1	1:1		10	0.183	1.040	0.190	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.54	-0.13	Left	0	135	69	1:1		10	0.147	1.112	0.163	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.83	0.11	Top	0	1	1	1:1		10	0.349	1.040	0.363	106
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.54	0.13	Top	0	135	69	1:1		10	0.233	1.112	0.259	-
3 500.01	633334	CP QPSK	100	18.0	16.87	0.11	Top	0	1	1	1:1		10	0.344	1.297	0.446	-

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

Body
1.6 W/kg
Averaged over 1 gram



NR Band n77 SRS Hotspot SAR - Power Class 3 - Ant. H

Frequency		Mode	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)					(mm)	(W/kg)		
SRS #2 Antenna E																	
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Rear	0	270	0	1:1		10	0.011	1.132	0.012	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Front	0	270	0	1:1		10	0.000	1.132	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Left	0	270	0	1:1		10	0.000	1.132	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	12.46	0.00	Bottom	0	270	0	1:1		10	0.016	1.132	0.018	-
SRS #3 Antenna M																	
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Rear	0	270	0	1:1		10	0.00495	1.199	0.006	-
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Front	0	270	0	1:1		10	0.00488	1.199	0.006	-
3 750	650000	DFT-s OFDM QPSK	100	13.0	12.21	0.00	Left	0	270	0	1:1		10	0.000	1.199	0.000	-
SRS #4 Antenna D																	
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Rear	0	270	0	1:1		10	0.166	1.466	0.243	107
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Front	0	270	0	1:1		10	0.000	1.466	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Left	0	270	0	1:1		10	0.000	1.466	0.000	-
3 930	662000	DFT-s OFDM QPSK	100	13.0	11.34	0.00	Bottom	0	270	0	1:1		10	0.012	1.466	0.018	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

NR Band n77 DoD SRS Hotspot SAR - Power Class 3 - Ant. H

Frequency		Mode	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)					(mm)	(W/kg)		
SRS #2 Antenna E																	
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Rear	0	270	0	1:1		10	0.0089	1.247	0.011	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Front	0	270	0	1:1		10	0.026	1.247	0.032	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Left	0	270	0	1:1		10	0.000	1.247	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	12.04	0.00	Bottom	0	270	0	1:1		10	0.012	1.247	0.015	-
SRS #3 Antenna M																	
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Rear	0	270	0	1:1		10	0.00533	1.279	0.007	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.00	Front	0	270	0	1:1		10	0.00128	1.279	0.002	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.93	0.10	Left	0	270	0	1:1		10	0.00515	1.279	0.007	-
SRS #4 Antenna D																	
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	-0.10	Rear	0	270	0	1:1		10	0.072	1.483	0.107	108
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Front	0	270	0	1:1		10	0.000	1.483	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Left	0	270	0	1:1		10	0.000	1.483	0.000	-
3 500.01	633334	DFT-s OFDM QPSK	100	13.0	11.29	0.00	Bottom	0	270	0	1:1		10	0.0000566	1.483	0.000	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram									

DTS Hotspot SAR																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	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.																
2 437	6	802.11b	20	1	19.5	18.36	0.16	Rear	Ant2	98.8	10	0.434	0.221	1.300	1.013	0.291	-
2 437	6	802.11b	20	1	19.5	18.36	-0.09	Front	Ant2	98.8	10	0.349	0.181	1.300	1.013	0.238	-
2 437	6	802.11b	20	1	19.5	18.36	0.03	Left	Ant2	98.8	10	0.602	0.305	1.300	1.013	0.402	-
2 437	6	802.11b	20	1	19.5	18.36	-0.19	Top	Ant2	98.8	10	0.126	0.066	1.300	1.013	0.087	-
2 412	1	802.11b	20	1	22.5	21.70	-0.11	Rear	MIMO	98.8	10	0.967	0.534	1.315	1.013	0.711	-
2 412	1	802.11b	20	1	22.5	21.70	-0.14	Front	MIMO	98.8	10	0.652	0.394	1.315	1.013	0.525	-
2 412	1	802.11b	20	1	22.5	21.70	0.14	Left	MIMO	98.8	10	0.133	0.084	1.315	1.013	0.112	-
2 412	1	802.11b	20	1	22.5	21.70	0.10	Top	MIMO	98.8	10	1.36	0.822	1.315	1.013	1.095	109
2 437	6	802.11b	20	1	22.5	21.65	0.13	Top	MIMO	98.8	10	1.34	0.810	1.300	1.013	1.067	-
2 412	1	802.11b	20	1	22.5	21.70	0.04	Top	MIMO	98.8	10	1.32	0.819	1.315	1.013	1.091	*
												Body 1.6 W/kg Averaged over 1 gram					

Note: * Data entry indicate Variability measurement.

DTS Hotspot SAR-mmWave/ RSDB/5G Sub 6																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	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.																
2 437	6	802.11b	20	1	14	13.82	0.14	Rear	Ant2	98.8	10	0.081	0.042	1.042	1.013	0.044	-
2 437	6	802.11b	20	1	14	13.82	0.05	Front	Ant2	98.8	10	0.115	0.056	1.042	1.013	0.059	-
2 437	6	802.11b	20	1	14	13.82	0.08	Left	Ant2	98.8	10	0.188	0.098	1.042	1.013	0.103	-
2 437	6	802.11b	20	1	14	13.82	-0.10	Top	Ant2	98.8	10	0.037	0.018	1.042	1.013	0.019	-
2 437	6	802.11b	20	1	17	16.81	0.17	Rear	MIMO	98.8	10	0.234	0.137	1.054	1.013	0.146	-
2 437	6	802.11b	20	1	17	16.81	0.12	Front	MIMO	98.8	10	0.157	0.099	1.054	1.013	0.106	-
2 437	6	802.11b	20	1	17	16.81	-0.07	Left	MIMO	98.8	10	0.221	0.127	1.054	1.013	0.136	-
2 437	6	802.11b	20	1	17	16.81	-0.00	Top	MIMO	98.8	10	0.608	0.361	1.054	1.013	0.385	110
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

- * Power Reduction condition during simultaneous conditions with 5 GHz WLAN
- * Power Reduction condition during simultaneous conditions with mmWave and/or 5 GHz WLAN
- * Power Reduction condition during simultaneous conditions with 5G Sub 6 and/or 5 GHz WLAN

5 GHz WLAN Hotspot SAR

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	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.																
5 825	165	802.11a	20	6	21.0	20.57	-0.16	Rear	MIMO	94.2	10	1.20	0.438	1.211	1.064	0.564	-
5 825	165	802.11a	20	6	21.0	20.57	0.00	Front	MIMO	94.2	10	0.705	0.208	1.211	1.064	0.268	-
5 825	165	802.11a	20	6	21.0	20.57	0.17	Left	MIMO	94.2	10	1.19	0.459	1.211	1.064	0.591	111
5 825	165	802.11a	20	6	21.0	20.57	0.19	Top	MIMO	94.2	10	0.685	0.247	1.211	1.064	0.318	-
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 Hotspot SAR –mmWave/RSDB/5G Sub 6

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	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.																
5 775	155	802.11ac	80	MCS0	14	13.59	0.00	Rear	MIMO	92.3	10	0.417	0.062	1.211	1.083	0.081	112
5 775	155	802.11ac	80	MCS0	14	13.59	0.00	Front	MIMO	92.3	10	0.173	0.033	1.211	1.083	0.043	-
5 775	155	802.11ac	80	MCS0	14	13.59	0.13	Left	MIMO	92.3	10	0.173	0.046	1.211	1.083	0.060	-
5 775	155	802.11ac	80	MCS0	14	13.59	-0.10	Top	MIMO	92.3	10	0.0963	0.00147	1.211	1.083	0.002	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

* Power Reduction condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN

* Power Reduction condition during simultaneous conditions with 5G Sub 6 and/or 2.4 GHz WLAN

DSS Tethering SAR

Frequency		Mode	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)	
2 441	39	Bluetooth DH5	15.5	15.48	0.00	Rear	10	0.088	1.005	1.302	0.115	-
2 441	39	Bluetooth DH5	15.5	15.48	0.00	Front	10	0.051	1.005	1.302	0.067	-
2 441	39	Bluetooth DH5	15.5	15.48	0.13	Left	10	0.00232	1.005	1.302	0.003	-
2 441	39	Bluetooth DH5	15.5	15.48	0.04	Top	10	0.131	1.005	1.302	0.171	113
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram					

13.4 Phablet SAR Measurement Considerations

Per FCC KDB 648474 D04v01r03, this device is considered a “Phablet” since the diagonal dimension is greater than 160 mm and less than 200 mm. Therefore, extremity SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR >1.2 W/kg. When hotspot mode applies, 10g SAR required only for the surfaces and edges with hotspot mode scaled to the maximum output power (including tolerance) is 1g SAR > 1.2 W/kg.

13.5 Phablet SAR Measurement Results (DSI=1)

PCS CDMA Phablet SAR 10g- Ant. A															
Frequency		Mode		Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.														
1 880.0	600	PCS CDMA	EVDO Rev.0	24.5	24.14	-0.13	Rear	OFF	1:1	115	8	1.030	1.086	1.119	-
1 880.0	600	PCS CDMA	EVDO Rev.0	24.5	24.14	-0.17	Front	OFF	1:1	115	6	0.723	1.086	0.785	-
1 880.0	600	PCS CDMA	EVDO Rev.0	24.5	24.14	0.12	Left	N/A	1:1	115	0	0.647	1.086	0.703	-
1 880.0	600	PCS CDMA	EVDO Rev.0	24.5	24.14	0.12	Right	N/A	1:1	115	0	0.601	1.086	0.653	-
1 880.0	600	PCS CDMA	EVDO Rev.0	24.5	24.14	-0.02	Bottom	OFF	1:1	115	13	1.180	1.086	1.281	-
1 880.0	600	PCS CDMA	EVDO Rev.0	20.5	20.04	0.00	Rear	ON	1:1	115	0	1.260	1.112	1.401	-
1 880.0	600	PCS CDMA	EVDO Rev.0	20.5	20.04	0.00	Front	ON	1:1	115	0	1.580	1.112	1.757	-
1 880.0	600	PCS CDMA	EVDO Rev.0	20.5	20.04	0.13	Bottom	ON	1:1	115	0	2.100	1.112	2.335	114
1 851.25	25	PCS CDMA	EVDO Rev.0	20.5	19.67	0.08	Bottom	ON	1:1	115	0	1.840	1.211	2.228	-
1 908.75	1175	PCS CDMA	EVDO Rev.0	20.5	19.60	0.17	Bottom	ON	1:1	115	0	1.690	1.230	2.079	-
1 880	600	PCS CDMA	EVDO Rev.0	20.5	20.04	0.12	Bottom	ON	1:1	115	0	1.830	1.112	2.035	*
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Hand 4.0 W/kg Averaged over 10gram								

Note: * Data entry indicate Variability measurement.

UMTS Band 4 Phablet SAR 10g- Ant. A														
Frequency		Mode	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.													
1 732.4	1412	RMC	24.5	23.28	0.08	Rear	OFF	1:1	51	8	1.110	1.324	1.470	-
1 732.4	1412	RMC	24.5	23.28	-0.18	Front	OFF	1:1	51	6	1.430	1.324	1.893	115
1 732.4	1412	RMC	24.5	23.28	0.16	Left	N/A	1:1	51	0	0.408	1.324	0.540	-
1 732.4	1412	RMC	24.5	23.28	-0.09	Right	N/A	1:1	51	0	0.433	1.324	0.573	-
1 732.4	1412	RMC	24.5	23.28	0.12	Bottom	OFF	1:1	51	13	0.954	1.324	1.263	-
1 732.4	1412	RMC	19.5	18.27	-0.10	Rear	ON	1:1	51	0	1.120	1.327	1.486	-
1 732.4	1412	RMC	19.5	18.27	0.00	Front	ON	1:1	51	0	1.170	1.327	1.553	-
1 732.4	1412	RMC	19.5	18.27	0.15	Bottom	ON	1:1	51	0	1.080	1.327	1.433	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Hand 4.0 W/kg Averaged over 10 gram							

UMTS Band 2 Phablet SAR 10g- Ant. A

Frequency		Mode	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	Duty Cycle	Ant. State	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.													
1 880.0	9400	RMC	24.5	23.47	-0.14	Rear	OFF	1:1	113	8	0.945	1.268	1.198	-
1 880.0	9400	RMC	24.5	23.47	-0.10	Front	OFF	1:1	113	6	1.430	1.268	1.813	116
1 880.0	9400	RMC	24.5	23.47	-0.02	Left	N/A	1:1	113	0	0.572	1.268	0.725	-
1 880.0	9400	RMC	24.5	23.47	0.18	Right	N/A	1:1	113	0	0.422	1.268	0.535	-
1 880.0	9400	RMC	24.5	23.47	0.09	Bottom	OFF	1:1	113	13	1.130	1.268	1.433	-
1 880.0	9400	RMC	19.0	18.46	0.00	Rear	ON	1:1	113	0	0.848	1.132	0.960	-
1 880.0	9400	RMC	19.0	18.46	0.01	Front	ON	1:1	113	0	1.010	1.132	1.143	-
1 880.0	9400	RMC	19.0	18.46	0.16	Bottom	ON	1:1	113	0	1.080	1.132	1.223	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Hand 4.0 W/kg Averaged over 10 gram						

LTE Band 7 Phablet SAR 10g- Ant. B

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	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.																	
2 560	21350	QPSK	20	24.5	23.93	-0.14	Rear	OFF	0	1	49	1:1		8	0.705	1.140	0.804	-
2 560	21350	QPSK	20	23.5	23.05	0.03	Rear	OFF	1	50	25	1:1		8	0.581	1.109	0.644	-
2 560	21350	QPSK	20	24.5	23.93	0.13	Front	OFF	0	1	49	1:1		6	0.647	1.140	0.738	-
2 560	21350	QPSK	20	23.5	23.05	-0.10	Front	OFF	1	50	25	1:1		6	0.537	1.109	0.596	-
2 560	21350	QPSK	20	24.5	23.93	-0.02	Bottom	OFF	0	1	49	1:1		13	0.665	1.140	0.758	-
2 560	21350	QPSK	20	23.5	23.05	-0.01	Bottom	OFF	1	50	25	1:1		13	0.551	1.109	0.611	-
2 560	21350	QPSK	20	24.5	23.93	0.02	Left	N/A	0	1	49	1:1		0	1.20	1.140	1.368	-
2 560	21350	QPSK	20	23.5	23.05	-0.02	Left	N/A	1	50	25	1:1		0	0.995	1.109	1.103	-
2 510	20850	QPSK	20	21.0	19.75	-0.18	Rear	ON	0	1	0	1:1		0	1.11	1.334	1.481	-
2 510	20850	QPSK	20	21.0	19.83	-0.17	Rear	ON	0	50	25	1:1		0	1.17	1.309	1.532	-
2 510	20850	QPSK	20	21.0	19.75	0.00	Front	ON	0	1	0	1:1		0	0.931	1.334	1.242	-
2 510	20850	QPSK	20	21.0	19.83	0.13	Front	ON	0	50	25	1:1		0	0.965	1.309	1.263	-
2 510	20850	QPSK	20	21.0	19.75	0.00	Bottom	ON	0	1	0	1:1		0	1.58	1.334	2.108	-
2 535	21100	QPSK	20	21.0	19.68	0.01	Bottom	ON	0	1	0	1:1		0	1.56	1.355	2.114	-
2 560	21350	QPSK	20	21.0	19.52	0.00	Bottom	ON	0	1	0	1:1		0	1.53	1.406	2.151	-
2 510	20850	QPSK	20	21.0	19.83	0.02	Bottom	ON	0	50	25	1:1		0	1.61	1.309	2.107	-
2 535	21100	QPSK	20	21.0	19.80	0.01	Bottom	ON	0	50	25	1:1		0	1.40	1.318	1.846	-
2 560	21350	QPSK	20	21.0	19.51	0.10	Bottom	ON	0	50	25	1:1		0	1.38	1.409	1.945	-
2 510	20850	QPSK	20	21.0	19.75	0.02	Bottom	ON	0	100	0	1:1		0	1.65	1.334	2.201	117
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Hand 4.0 W/kg Averaged over 10 gram										

LTE Band 25 Phablet SAR 10g- Ant. A																		
Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	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.																	
1 882.5	26365	QPSK	20	25.5	24.69	-0.08	Rear	OFF	0	1	49	1:1	115	8	1.010	1.205	1.217	-
1 882.5	26365	QPSK	20	24.5	23.86	0.03	Rear	OFF	1	50	25	1:1	115	8	0.835	1.159	0.968	-
1 882.5	26365	QPSK	20	25.5	24.69	-0.19	Front	OFF	0	1	49	1:1	115	6	1.220	1.205	1.470	-
1 882.5	26365	QPSK	20	24.5	23.86	-0.14	Front	OFF	1	50	25	1:1	115	6	1.000	1.159	1.159	-
1 882.5	26365	QPSK	20	25.5	24.69	0.16	Left	N/A	0	1	49	1:1	115	0	0.563	1.205	0.678	-
1 882.5	26365	QPSK	20	24.5	23.86	-0.11	Left	N/A	1	50	25	1:1	115	0	0.525	1.159	0.608	-
1 882.5	26365	QPSK	20	25.5	24.69	0.19	Right	N/A	0	1	49	1:1	115	0	0.421	1.205	0.507	-
1 882.5	26365	QPSK	20	24.5	23.86	0.14	Right	N/A	1	50	25	1:1	115	0	0.343	1.159	0.398	-
1 882.5	26365	QPSK	20	25.5	24.69	0.04	Bottom	OFF	0	1	49	1:1	115	13	0.903	1.205	1.088	-
1 882.5	26365	QPSK	20	24.5	23.86	0.07	Bottom	OFF	1	50	25	1:1	115	13	0.744	1.159	0.862	-
1 882.5	26365	QPSK	20	21.5	20.49	-0.16	Rear	ON	0	1	99	1:1	115	0	1.150	1.262	1.451	-
1 905.0	26590	QPSK	20	21.5	20.57	-0.18	Rear	ON	0	50	49	1:1	115	0	1.230	1.239	1.524	-
1 882.5	26365	QPSK	20	21.5	20.49	0.00	Front	ON	0	1	99	1:1	115	0	1.440	1.262	1.817	-
1 905.0	26590	QPSK	20	21.5	20.57	0.00	Front	ON	0	50	49	1:1	115	0	1.500	1.239	1.859	-
1 882.5	26365	QPSK	20	21.5	20.49	0.08	Bottom	ON	0	1	99	1:1	115	0	1.440	1.262	1.817	-
1 905.0	26590	QPSK	20	21.5	20.57	0.10	Bottom	ON	0	50	49	1:1	115	0	1.530	1.239	1.896	118
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

LTE Band 30 Phablet SAR 10g- Ant. B																		
Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	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.																	
2 310	27710	QPSK	10	23.0	22.42	-0.09	Rear	OFF	0	1	49	1:1		8	0.477	1.143	0.545	-
2 310	27710	QPSK	10	22.0	21.32	-0.14	Rear	OFF	1	25	12	1:1		8	0.391	1.169	0.457	-
2 310	27710	QPSK	10	23.0	22.42	0.07	Front	OFF	0	1	49	1:1		6	0.793	1.143	0.906	-
2 310	27710	QPSK	10	22.0	21.32	-0.13	Front	OFF	1	25	12	1:1		6	0.651	1.169	0.761	-
2 310	27710	QPSK	10	23.0	22.42	0.03	Bottom	OFF	0	1	49	1:1		13	0.800	1.143	0.914	-
2 310	27710	QPSK	10	22.0	21.32	-0.00	Bottom	OFF	1	25	12	1:1		13	0.639	1.169	0.747	-
2 310	27710	QPSK	10	23.0	22.42	-0.16	Left	N/A	0	1	49	1:1		0	0.601	1.143	0.687	-
2 310	27710	QPSK	10	22.0	21.32	-0.14	Left	N/A	1	25	12	1:1		0	0.479	1.169	0.560	-
2 310	27710	QPSK	10	19.0	18.12	0.02	Rear	ON	0	1	24	1:1		0	0.971	1.225	1.189	-
2 310	27710	QPSK	10	19.0	17.99	0.12	Rear	ON	0	25	0	1:1		0	0.994	1.262	1.254	-
2 310	27710	QPSK	10	19.0	18.12	0.14	Front	ON	0	1	24	1:1		0	0.721	1.225	0.883	-
2 310	27710	QPSK	10	19.0	17.99	0.00	Front	ON	0	25	0	1:1		0	0.722	1.262	0.911	-
2 310	27710	QPSK	10	19.0	18.12	-0.01	Bottom	ON	0	1	24	1:1		0	1.09	1.225	1.335	-
2 310	27710	QPSK	10	19.0	17.99	-0.04	Bottom	ON	0	25	0	1:1		0	1.11	1.262	1.401	119
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

LTE Band 41 Phablet SAR (Power Class 2) 10g- Ant. B

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	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.																		
2 593	40620	QPSK	20	27.0	25.98	-0.10	Rear	OFF	0	1	49	1:2.31		8	0.619	1.265	0.783	-	
2 506	39750	QPSK	20	26.0	25.07	-0.14	Rear	OFF	1	50	0	1:2.31		8	0.251	1.239	0.311	-	
2 593	40620	QPSK	20	27.0	25.98	-0.06	Front	OFF	0	1	49	1:2.31		6	0.580	1.265	0.734	-	
2 506	39750	QPSK	20	26.0	25.07	0.15	Front	OFF	1	50	0	1:2.31		6	0.200	1.239	0.248	-	
2 593	40620	QPSK	20	27.0	25.98	-0.01	Bottom	OFF	0	1	49	1:2.31		13	0.437	1.265	0.553	-	
2 506	39750	QPSK	20	26.0	25.07	-0.02	Bottom	OFF	1	50	0	1:2.31		13	0.224	1.239	0.278	-	
2 593	40620	QPSK	20	27.0	25.98	0.04	Left	N/A	0	1	49	1:2.31		0	0.829	1.265	1.049	-	
2 506	39750	QPSK	20	26.0	25.07	-0.06	Left	N/A	1	50	0	1:2.31		0	0.627	1.239	0.777	-	
2 506	39750	QPSK	20	23.0	22.09	-0.18	Rear	ON	0	1	0	1:2.31		0	0.957	1.233	1.180	-	
2 506	39750	QPSK	20	23.0	22.10	-0.10	Rear	ON	0	50	25	1:2.31		0	1.000	1.230	1.230	120	
2 506	39750	QPSK	20	23.0	22.09	0.02	Front	ON	0	1	0	1:2.31		0	0.633	1.233	0.780	-	
2 506	39750	QPSK	20	23.0	22.10	0.19	Front	ON	0	50	25	1:2.31		0	0.636	1.230	0.782	-	
2 506	39750	QPSK	20	23.0	22.09	0.03	Bottom	ON	0	1	0	1:2.31		0	0.928	1.233	1.144	-	
2 506	39750	QPSK	20	23.0	22.10	0.01	Bottom	ON	0	50	25	1:2.31		0	0.925	1.230	1.138	-	
2 506	39750	QPSK	20	23.0	21.86	0.00	Rear	ON	0	1	99	1:2.31		0	0.913	1.300	1.187	-	
Up-link Carrier Aggregation Power class 2(HPUE) (41C)																			
2 506	39750	QPSK	PCC	20	23.0	21.84	0.00	Rear	ON	0	1	99	1:2.31		0	0.909	1.306	1.187	-
2 612.8	40818	QPSK	SCC	20							1	0							
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram										

LTE Band 66 Phablet SAR 10g- Ant. A

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	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.																		
1 770	132572	QPSK	20	25.5	24.79	0.06	Rear	OFF	0	1	0	1:1	51	8	0.643	1.178	0.757	-	
1 745	132322	QPSK	20	24.5	23.89	0.14	Rear	OFF	1	50	25	1:1	51	8	0.740	1.151	0.852	-	
1 770	132572	QPSK	20	25.5	24.79	-0.14	Front	OFF	0	1	0	1:1	51	6	0.833	1.178	0.981	-	
1 745	132322	QPSK	20	24.5	23.89	-0.10	Front	OFF	1	50	25	1:1	51	6	0.664	1.151	0.764	-	
1 770	132572	QPSK	20	25.5	24.79	0.13	Left	N/A	0	1	0	1:1	51	0	0.334	1.178	0.393	-	
1 745	132322	QPSK	20	24.5	23.89	0.10	Left	N/A	1	50	25	1:1	51	0	0.308	1.151	0.355	-	
1 770	132572	QPSK	20	25.5	24.79	0.19	Right	N/A	0	1	0	1:1	51	0	0.347	1.178	0.409	-	
1 745	132322	QPSK	20	24.5	23.89	0.12	Right	N/A	1	50	25	1:1	51	0	0.213	1.151	0.245	-	
1 770	132572	QPSK	20	25.5	24.79	-0.00	Bottom	OFF	0	1	0	1:1	51	13	0.597	1.178	0.703	-	
1 745	132322	QPSK	20	24.5	23.89	0.03	Bottom	OFF	1	50	25	1:1	51	13	0.533	1.151	0.613	-	
1 720	132072	QPSK	20	21.0	19.68	-0.10	Rear	ON	0	1	99	1:1	51	0	1.540	1.355	2.087	-	
1 745	132322	QPSK	20	21.0	19.50	0.10	Rear	ON	0	1	49	1:1	51	0	1.120	1.413	1.583	-	
1 770	132572	QPSK	20	21.0	19.62	-0.10	Rear	ON	0	1	49	1:1	51	0	1.040	1.374	1.429	-	
1 720	132072	QPSK	20	21.0	19.85	-0.10	Rear	ON	0	50	0	1:1	51	0	1.660	1.303	2.163	-	
1 745	132322	QPSK	20	21.0	19.54	0.00	Rear	ON	0	50	49	1:1	51	0	1.260	1.400	1.764	-	
1 770	132572	QPSK	20	21.0	19.73	0.10	Rear	ON	0	50	49	1:1	51	0	1.330	1.340	1.782	-	
1 720	132072	QPSK	20	21.0	19.67	0.18	Rear	ON	0	100	0	1:1	51	0	1.460	1.358	1.983	-	
1 720	132072	QPSK	20	21.0	19.68	0.00	Front	ON	0	1	99	1:1	51	0	1.690	1.355	2.290	-	
1 745	132322	QPSK	20	21.0	19.50	0.00	Front	ON	0	1	49	1:1	51	0	1.080	1.413	1.526	-	
1 770	132572	QPSK	20	21.0	19.62	0.00	Front	ON	0	1	49	1:1	51	0	1.550	1.374	2.130	-	
1 720	132072	QPSK	20	21.0	19.85	0.00	Front	ON	0	50	0	1:1	51	0	1.770	1.303	2.306	121	
1 745	132322	QPSK	20	21.0	19.54	0.00	Front	ON	0	50	49	1:1	51	0	1.140	1.400	1.596	-	
1 770	132572	QPSK	20	21.0	19.73	0.00	Front	ON	0	50	49	1:1	51	0	1.610	1.340	2.157	-	
1 720	132072	QPSK	20	21.0	19.67	0.00	Front	ON	0	100	0	1:1	51	0	1.650	1.358	2.241	-	
1 720	132072	QPSK	20	21.0	19.68	0.07	Bottom	ON	0	1	99	1:1	51	0	1.590	1.355	2.154	-	
1 745	132322	QPSK	20	21.0	19.50	0.10	Bottom	ON	0	1	49	1:1	51	0	1.600	1.413	2.261	-	
1 770	132572	QPSK	20	21.0	19.62	0.12	Bottom	ON	0	1	49	1:1	51	0	1.630	1.374	2.240	-	
1 720	132072	QPSK	20	21.0	19.85	0.04	Bottom	ON	0	50	0	1:1	51	0	1.530	1.303	1.994	-	
1 720	132072	QPSK	20	21.0	19.67	0.12	Bottom	ON	0	100	0	1:1	51	0	1.680	1.358	2.281	-	
1 717.5	132047	QPSK	15	21.0	19.81	0.00	Front	ON	0	1	74	1:1	51	0	1.480	1.315	1.946	-	
Up-link Carrier Aggregation (66B)																			
1 717.5	132047	QPSK	PCC	15	21.0	19.85	0.00	Front	ON	0	1	74	1:1	51	0	1.520	1.303	1.981	-
1 724.9	132121	QPSK	SCC	5							1	0							
Up-link Carrier Aggregation (66C)																			
1 720	132072	QPSK	PCC	20	21.0	19.56	0.00	Front	ON	0	1	99	1:1	51	0	1.440	1.393	2.006	-
1 764.8	132520	QPSK	SCC	20							1	0							
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram										

NR Band n25 Phablet SAR 10g- Ant. A

Frequency		Mode	Band Width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)			(dB)	(dB)	(mm)			(W/kg)	(W/kg)			
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	-0.10	Rear	ON	0	1	1	1:1	115	0	0.815	1.368	1.115	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	0.09	Rear	ON	0	108	0	1:1	115	0	0.918	1.442	1.324	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	0.00	Front	ON	0	1	1	1:1	115	0	1.150	1.368	1.573	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	0.00	Front	ON	0	108	0	1:1	115	0	1.010	1.442	1.456	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	0.11	Left	N/A	0	1	108	1:1	115	0	0.594	1.282	0.762	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	0.02	Left	N/A	0	108	54	1:1	115	0	0.663	1.409	0.934	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	-0.12	Right	N/A	0	1	108	1:1	115	0	0.319	1.282	0.409	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	0.13	Right	N/A	0	108	54	1:1	115	0	0.337	1.409	0.475	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	18.14	0.15	Bottom	ON	0	1	1	1:1	115	0	1.030	1.368	1.409	-
1 882.5	376500	DFT-s OFDM QPSK	40	19.5	17.91	0.12	Bottom	ON	0	108	0	1:1	115	0	0.907	1.442	1.308	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	-0.07	Rear	OFF	0	1	108	1:1	115	8	0.933	1.282	1.196	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	-0.12	Rear	OFF	0	108	54	1:1	115	8	1.020	1.409	1.437	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	-0.12	Front	OFF	0	1	108	1:1	115	6	1.160	1.282	1.487	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	-0.16	Front	OFF	0	108	54	1:1	115	6	1.240	1.409	1.747	122
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.42	0.16	Bottom	OFF	0	1	108	1:1	115	13	0.924	1.282	1.185	-
1 882.5	376500	DFT-s OFDM QPSK	40	24.5	23.01	0.16	Bottom	OFF	0	108	54	1:1	115	13	0.992	1.409	1.398	-
1 882.5	376500	CP QPSK	40	23.0	22.04	-0.17	Front	OFF	1.5	1	1	1:1	115	6	0.926	1.247	1.155	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

NR Band n30 Phablet SAR 10g- Ant. B

Frequency		Mode	Band Width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(dB)	(dB)	(dB)			(dB)	(dB)	(mm)			(W/kg)	(W/kg)			
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.28	-0.19	Rear	ON	0	1	1	1:1		0	0.630	1.324	0.834	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.26	0.02	Rear	ON	0	25	27	1:1		0	0.579	1.330	0.770	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.28	0.16	Front	ON	0	1	1	1:1		0	0.604	1.324	0.800	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.26	0.01	Front	ON	0	25	27	1:1		0	0.471	1.330	0.626	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.28	-0.00	Bottom	ON	0	1	1	1:1		0	1.07	1.324	1.417	-
2 310	462000	DFT-s OFDM QPSK	10	18.5	17.26	0.01	Bottom	ON	0	25	27	1:1		0	0.976	1.330	1.298	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	-0.01	Left	N/A	0	1	26	1:1		0	0.724	1.384	1.002	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	-0.10	Left	N/A	0	25	14	1:1		0	0.754	1.403	1.058	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	-0.07	Rear	OFF	0	1	26	1:1		8	1.01	1.384	1.398	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	-0.09	Rear	OFF	0	25	14	1:1		8	0.838	1.403	1.176	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	-0.02	Front	OFF	0	1	26	1:1		6	1.12	1.384	1.550	123
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	-0.13	Front	OFF	0	25	14	1:1		6	0.888	1.403	1.246	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.09	-0.03	Bottom	OFF	0	1	26	1:1		13	0.904	1.384	1.251	-
2 310	462000	DFT-s OFDM QPSK	10	24.5	23.03	-0.01	Bottom	OFF	0	25	14	1:1		13	0.878	1.403	1.232	-
2 310	462000	CP QPSK	10	23.0	21.49	-0.13	Front	OFF	1.5	1	1	1:1		6	0.782	1.416	1.107	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

NR Band n41 Phablet SAR 10g_ Power class 3 - Ant. B

Frequency		Mode	Band Width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																	
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	-0.10	Rear	ON	0	1	271	1:1		0	1.03	1.130	1.164	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	-0.12	Rear	ON	0	135	69	1:1		0	0.858	1.114	0.956	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.10	Front	ON	0	1	271	1:1		0	0.756	1.130	0.854	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.12	Front	ON	0	135	69	1:1		0	1.27	1.114	1.415	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	-0.12	Left	N/A	0	1	271	1:1		0	0.397	1.130	0.449	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	-0.07	Left	N/A	0	135	69	1:1		0	0.407	1.114	0.453	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.47	0.02	Bottom	ON	0	1	271	1:1		0	1.40	1.130	1.582	-
2 592.99	518598	DFT-s OFDM QPSK	100	19.0	18.53	0.05	Bottom	ON	0	135	69	1:1		0	1.62	1.114	1.805	124
2 592.99	518598	CP OFDM QPSK	100	19.0	18.49	0.01	Bottom	ON	0	1	1	1:1		0	1.31	1.125	1.474	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

NR Band n66 (PCS) Phablet SAR 10g- Ant. A

Frequency		Mode	Band Width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																	
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.44	-0.10	Rear	ON	0	1	1	1:1	51	0	1.430	1.138	1.627	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.30	0.18	Rear	ON	0	108	0	1:1	51	0	1.450	1.175	1.704	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.44	0.00	Front	ON	0	1	1	1:1	51	0	1.720	1.138	1.957	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.30	0.00	Front	ON	0	108	0	1:1	51	0	1.800	1.175	2.115	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.10	0.00	Front	ON	0	216	0	1:1	51	0	1.670	1.230	2.054	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	0.18	Left	N/A	0	1	1	1:1	51	0	0.477	1.227	0.585	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	0.18	Left	N/A	0	108	54	1:1	51	0	0.504	1.265	0.638	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	0.13	Right	N/A	0	1	1	1:1	51	0	0.289	1.227	0.355	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	0.16	Right	N/A	0	108	54	1:1	51	0	0.298	1.265	0.377	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.44	0.17	Bottom	ON	0	1	1	1:1	51	0	1.910	1.138	2.174	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.30	0.15	Bottom	ON	0	108	0	1:1	51	0	2.080	1.175	2.444	125
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.10	0.15	Bottom	ON	0	216	0	1:1	51	0	1.970	1.230	2.423	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	-0.13	Rear	OFF	0	1	1	1:1	51	8	0.822	1.227	1.009	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	0.01	Rear	OFF	0	108	54	1:1	51	8	0.875	1.265	1.107	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	-0.04	Front	OFF	0	1	1	1:1	51	6	1.050	1.227	1.288	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	-0.09	Front	OFF	0	108	54	1:1	51	6	1.160	1.265	1.467	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.61	-0.13	Bottom	OFF	0	1	1	1:1	51	13	0.757	1.227	0.929	-
1 745	349000	DFT-s OFDM QPSK	40	24.5	23.48	-0.02	Bottom	OFF	0	108	54	1:1	51	13	0.797	1.265	1.008	-
1 745	349000	CP OFDM QPSK	40	20.0	19.12	0.18	Bottom	ON	0	1	1	1:1	51	0	1.930	1.225	2.364	-
1 745	349000	DFT-s OFDM QPSK	40	20.0	19.30	0.18	Bottom	ON	0	108	0	1:1	51	0	2.020	1.175	2.374	*
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

Note: * Data entry indicate Variability measurement.

NR Band n77 Phablet SAR 10g_ Power class 3 - Ant. H

Frequency		Mode	Band Width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																	
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	0.00	Rear	N/A	0	1	1	1:1		0	0.689	1.076	0.741	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	-0.14	Rear	N/A	0	135	69	1:1		0	1.15	1.096	1.260	-
3 750	650000	DFT-s OFDM QPSK	100	18.0	17.19	0.02	Rear	N/A	0	135	0	1:1		0	0.482	1.205	0.581	-
3 930	650000	DFT-s OFDM QPSK	100	18.0	17.32	0.10	Rear	N/A	0	270	0	1:1		0	0.520	1.169	0.608	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	0.00	Front	N/A	0	1	1	1:1		0	1.43	1.076	1.539	126
3 750	650000	DFT-s OFDM QPSK	100	18.0	17.29	-0.01	Front	N/A	0	1	137	1:1		0	0.549	1.178	0.647	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	0.00	Front	N/A	0	135	69	1:1		0	1.23	1.096	1.348	-
3 750	650000	DFT-s OFDM QPSK	100	18.0	17.19	-0.11	Front	N/A	0	135	0	1:1		0	0.757	1.205	0.912	-
3 930	650000	DFT-s OFDM QPSK	100	18.0	17.32	0.13	Front	N/A	0	270	0	1:1		0	0.915	1.169	1.070	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.68	-0.14	Top	N/A	0	1	1	1:1		0	0.836	1.076	0.900	-
3 930	662000	DFT-s OFDM QPSK	100	18.0	17.60	-0.10	Top	N/A	0	135	69	1:1		0	0.459	1.096	0.503	-
3 930	662000	CP OFDM QPSK	100	18.0	17.16	0.00	Front	N/A	0	1	1	1:1		0	0.544	1.213	0.660	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

NR Band n77 (DoD) Phablet SAR 10g_ Power class 3 - Ant. H

Frequency		Mode	Band Width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB Offset	Duty Cycle	Ant. State	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																	
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.83	-0.13	Rear	N/A	0	1	1	1:1		0	0.661	1.040	0.687	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.54	0.11	Rear	N/A	0	135	69	1:1		0	0.363	1.112	0.404	-
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.83	0.15	Top	N/A	0	1	1	1:1		0	0.671	1.040	0.698	127
3 500.01	633334	DFT-s OFDM QPSK	100	18.0	17.54	0.12	Top	N/A	0	135	69	1:1		0	0.663	1.112	0.737	-
3 500.01	633334	CP OFDM QPSK	100	18.0	17.54	-0.09	Top	N/A	0	1	1	1:1		0	0.576	1.112	0.641	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Hand 4.0 W/kg Averaged over 10 gram									

5 GHz WLAN Phablet SAR 10g																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																
5 320	64	802.11a	20	6	21.0	20.78	0.10	Rear	MIMO	94.2	0	5.51	0.343	1.081	1.064	0.395	-
5 320	64	802.11a	20	6	21.0	20.78	0.00	Front	MIMO	94.2	0	4.65	0.467	1.081	1.064	0.537	-
5 320	64	802.11a	20	6	21.0	20.78	-0.10	Left	MIMO	94.2	0	11.9	1.17	1.081	1.064	1.346	128
5 320	64	802.11a	20	6	21.0	20.78	0.13	Top	MIMO	94.2	0	3.93	0.423	1.081	1.064	0.487	-
5 500	100	802.11a	20	6	21.0	20.43	0.00	Rear	MIMO	94.2	0	7.1	0.803	1.271	1.064	1.086	-
5 500	100	802.11a	20	6	21.0	20.43	0.00	Front	MIMO	94.2	0	8.27	0.748	1.271	1.064	1.012	-
5 500	100	802.11a	20	6	21.0	20.43	0.18	Left	MIMO	94.2	0	10.5	0.901	1.271	1.064	1.218	-
5 500	100	802.11a	20	6	21.0	20.43	0.14	Top	MIMO	94.2	0	4.99	0.502	1.271	1.064	0.679	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Hand 4.0 W/kg Averaged over 10 gram					

5 GHz WLAN Phablet SAR 10g - mmWave/RSDB																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant. Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																
5 290	58	802.11ac	80	MCS0	14.0	13.40	0.00	Rear	MIMO	92.3	0	2.01	0.106	1.199	1.083	0.138	-
5 290	58	802.11ac	80	MCS0	14.0	13.40	0.00	Front	MIMO	92.3	0	1.45	0.108	1.199	1.083	0.140	-
5 290	58	802.11ac	80	MCS0	14.0	13.40	0.00	Left	MIMO	92.3	0	3.69	0.205	1.199	1.083	0.266	129
5 290	58	802.11ac	80	MCS0	14.0	13.40	0.00	Top	MIMO	92.3	0	0.51	0.028	1.199	1.083	0.036	-
5 690	138	802.11ac	80	MCS0	14.0	13.59	0.00	Rear	MIMO	92.3	0	2.07	0.096	1.194	1.083	0.124	-
5 690	138	802.11ac	80	MCS0	14.0	13.59	0.00	Front	MIMO	92.3	0	1.93	0.075	1.194	1.083	0.097	-
5 690	138	802.11ac	80	MCS0	14.0	13.59	0.00	Left	MIMO	92.3	0	1.46	0.204	1.194	1.083	0.264	-
5 690	138	802.11ac	80	MCS0	14.0	13.59	0.11	Top	MIMO	92.3	0	1.53	0.049	1.194	1.083	0.063	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Hand 4.0 W/kg Averaged over 10 gram					

* Head condition during simultaneous conditions with 2.4GHz WLAN

* Head condition during simultaneous conditions with mmWave and/or 2.4 GHz WLAN

13.6 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, FCC KDB Procedure.
2. Batteries are fully charged at the beginning of the SAR measurements. A standard battery was used for all SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB 447498 D01v06.
6. Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 15 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.
7. Per FCC KDB 648474 D04v01r03, SAR was evaluated without a headset connected to the device. Since the standalone reported SAR was 1.2 W/kg, no additional SAR evaluation using a headset cable were required.
8. Per KDB 648474 D04v01r03, this device is considered a "Phablet" since the diagonal dimension is > 160 mm and < 200 mm. When hotspot mode applies, extremity SAR is required only for the surfaces and edges with hotspot mode scaled to the maximum output power (with tolerance) is 1 g SAR > 1.2 W/kg.
9. Per FCC KDB 865664 D01v01r04, variability SAR measurement were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg for 1g SAR and >2 for 10g SAR Please see Section 15 for variability analysis.
10. This device utilizes power reduction for some wireless mode and technologies, as outlined in sec. 4 The maximum output power allowed for each transmitter and exposure condition was evaluated for SAR compliance based on expected use conditions and simultaneous scenarios.
11. During SAR testing for the Hotspot conditions per KDB 941225 D06v02r01, the actual portable hotspot operation (with actual simultaneous transmission of a transmitter with WiFi) was not activated.
12. This device uses Qualcomm Smart Transmit for 2G/3G/4G/5G operations to control and manage transmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance for was assessed at the minimum of the time averaged power and the maximum output power for each band/mode/exposure condition (DSI).

CDMA Notes:

1. Head SAR for CDMA2000 mode was tested under RC3/SO55 per FCC KDB Publication 941225 D01v03r01.
2. Body-Worn SAR was tested with 1x RTT with TDSO / SO32 FCH Only. EVDO Rev0 and RevA and TDSO / SO32 FCH+SCH SAR tests were not required per the 3G SAR Test Reduction Procedure in FCC KDB Publication 941225 D01v03r01.
3. CDMA Wireless Router SAR is measured using Subtype 0/1 Physical Layer configurations for Rev. 0 according to KDB 941225 D01v03r01 procedures for data devices. Wireless Router SAR tests for Subtype 2 of Rev.A and 1x RTT configurations were not required per the 3G SAR Test Reduction Policy in KDB Publication 941225 D01v03r01.
4. Head SAR was additionally evaluated using EVDO Rev. A to determine compliance for VoIP operations.
5. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is > 1/2 dB, instead of the middle channel, the highest output power channel was used.

GSM/GPRS Test Notes:

1. This EUT'S GSM and GPRS device class is B.
2. This device supports GPRS VOIP in the head and the body-worn configurations therefore GPRS was additionally evaluated for head and body-worn compliance.
3. Justification for reduced test configurations per KDB 941225 D01v03r01: The source-based time-averaged output power was evaluated for all multi-slot operations. The multi-slot configuration with the highest frame averaged output power including tolerance was evaluated for SAR.
4. Per FCC KDB 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is 0.8 W/kg then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is 1/2 dB, instead of the middle channel, the highest output power channel must be used.

UMTS Notes:

1. The 12.2 kbps RMC mode is the primary mode per KDB 941225 D01v03r01.
2. UMTS SAR was tested under RMC 12.2 kbps with HSPA inactive per KDB publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
3. Per FCC KDB 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is 0.8 W/kg then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the channel highest output power channel was used.

LTE Notes:

1. LTE Considerations: LTE test configurations are determined according to SAR Evaluation Consideration for LTE Devices in FCC KDB 941225 D05v02r05.
2. According to FCC KDB 941225 D05v02r05:
When the reported SAR is 0.8 W/kg, testing of the 100% RB allocation and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the 1RB, 50%RB and 100%RB allocation with highest output power for that channel.
Only one channel, and as reported SAR values for 1RB allocation and 50%RB allocation were less than 1.45W/Kg only the highest power RB offset for each allocation was required.
3. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to target MPR is indicated alongside the SAR results.
4. When Power reduction is applied, MPR is 0 for some modes.
5. A-MPR was disabled for all SAR tests by setting NS=01 on the base station simulator.
6. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) LTE TDD Band 41 SAR measured at the highest output power channel for each test configuration is 0.6 W/kg then testing at the other channels is not required for such test configurations.
7. TDD LTE (Power Class 3) was tested using UL-DL configuration 0 with 6 UL sub frames and 2S subframes using extended cyclic prefix only and special sub frame configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Sec. 4, the duty factor using extended cyclic prefix is 0.633(cf=1.58).
8. Per KDB 941225 D05Av01r02, SAR for LTE Carrier Aggregation operations was not needed because the maximum average output power in LTE CA mode was not > 0.25 dB higher than the maximum output power when downlink CA was not activated.
9. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The Highest available duty cycle for Power Class 2 operations is 43.3% using UL-DL configuration 1. Per May TCB Workshop notes, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions.

10. This device supports LTE Carrier Aggregation(CA) in Uplink for LTE 41C/5B/66B/66C/48C with two component carriers in the uplink. SAR measurements and conducted powers were evaluated per Fall 2017 TCBC Workshop notes (LTE Carrier aggregation).
For LTE Band 5, LTE Band 66, LTE Band 41 and LTE Band 48, per 2017 TCBC Workshop notes ,SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active.
Because the maximum output for UL CA of LTE 41C/5B/66B/66C/48C is \leq standalone LTE mode (without CA), SAR for LTE41C/5B/66B/66C/48C Up link CA was performed at the highest standalone SAR configuration without CA and also UL CA SAR is not required for all required test channels, Because the reported SAR for UL CA configuration is < 1.4 W/kg.
The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
11. SAR test reduction is applied using the following criteria:
Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is >0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are >0.8 W/kg, testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation <1.45 W/kg. Testing for 16-QAM modulation is not required because the reported SAR for QPSK is <1.45 W/kg and its output power is not more than 0.5 dB higher than that a QPSK. Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is <1.45 W/kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

NR Notes:

1. Due to Limitations of the SAR measurement equipment, SAR testing for NR was performed using test mode (FTM) software.
2. More detailed specifications of the NR bands are contained in the Technical description document.
3. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
4. For NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
5. For final implementation, TDD NR slot configuration is synchronized using maximum duty cycle of 100%.
6. SAR testing was performed using FTM mode with a 100% duty cycle applied to match final duty cycle.
7. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report.
8. Per Oct. 2020 TCBC workshop notes(Dynamic Antenna Tuner), the device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency as the NR test results. Please see the sec 17.

WLAN Notes:

1. For held-to-ear and hotspot operations, the initial test position procedures were applied. For initial test position, the highest extrapolated peak SAR will be used. When reported SAR for the initial test position is ≤ 0.4 W/kg for 1g SAR and ≤ 1.0 W/kg for 10g SAR, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR results is ≤ 0.8 W/kg for 1g SAR and ≤ 2.0 W/kg for 10g SAR or all test position are measured.
2. Per KDB 2482227 D01v02r02 justification for test configurations of 2.4 GHz WiFi Single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11 g/n) was not required due to the maximum allowed powers and the highest reported DSSS SAR
3. Per KDB 2482227 D01v02r02 justification for test configurations of 5 GHz WiFi Single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission mode were not investigated since the highest reported SAR for initial test configuration adjusted by the ration of maximum output powers is less than 1.2 W/kg for 1g SAR and less than 3.0 W/kg for 10 g SAR.
4. When the maximum reported 1g averaged SAR is ≤ 0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg or all test channels were measured.
5. The device was configured to transmit continuously at the required data rated, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated WLAN test reports.

Bluetooth Notes:

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 operation and Tx Tests mode type. Per October 2016 TCBC Workshop Notes, the reported SAR was scaled to 100% transmission duty factor to determine compliance. Please see sec.11 for the time-domain plot and calculation for duty factor of the device.
2. Head and Bluetooth tethering SAR were evaluated for BT BR tethering applications.

14. Simultaneous SAR Analysis

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per KDB Publication 447498 D01v06 4.3.2, simultaneous transmission SAR test exclusion may be applied when the sum of 1g SAR and 10g SAR for all the simultaneous transmitting antennas in a specific physical test configuration is ≤ 1.6 W/kg for 1g SAR and ≤ 4 W/kg for 10g SAR. The different test positions in an exposure condition may be considered collectively to determine SAR exclusion according to the sum of 1g or 10g SAR.

14.1 Head SAR Simultaneous Transmission Analysis.

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2	1+3	1+6	1+7		
EVDO BC0 (\$22H)	Left Cheek	0.137	0.068	0.328	0.036	0.283	0.104	0.336	0.205	0.465	0.241	0.473	No	
	Left Tilt	0.088	0.035	0.522	0.012	0.442	0.096	0.360	0.123	0.610	0.184	0.448	No	
	Right Cheek	0.233	0.366	0.482	0.195	0.310	0.307	0.411	0.599	0.715	0.540	0.644	No	
	Right Tilt	0.094	0.100	0.538	0.053	0.456	0.277	0.293	0.194	0.632	0.371	0.387	No	
PCS CDMA/EVDO	Left Cheek	0.222	0.068	0.328	0.036	0.283	0.104	0.336	0.290	0.550	0.326	0.558	No	
	Left Tilt	0.112	0.035	0.522	0.012	0.442	0.096	0.360	0.147	0.634	0.208	0.472	No	
	Right Cheek	0.144	0.366	0.482	0.195	0.310	0.307	0.411	0.510	0.626	0.451	0.555	No	
	Right Tilt	0.062	0.100	0.538	0.053	0.456	0.277	0.293	0.162	0.600	0.339	0.355	No	
EVDO BC10 (\$90S)	Left Cheek	0.158	0.068	0.328	0.036	0.283	0.104	0.336	0.226	0.486	0.262	0.494	No	
	Left Tilt	0.093	0.035	0.522	0.012	0.442	0.096	0.360	0.128	0.615	0.189	0.453	No	
	Right Cheek	0.213	0.366	0.482	0.195	0.310	0.307	0.411	0.579	0.695	0.520	0.624	No	
	Right Tilt	0.123	0.100	0.538	0.053	0.456	0.277	0.293	0.223	0.661	0.400	0.416	No	
GSM 850	Left Cheek	0.167	0.068	0.328	0.036	0.283	0.104	0.336	0.235	0.495	0.271	0.503	No	
	Left Tilt	0.107	0.035	0.522	0.012	0.442	0.096	0.360	0.142	0.629	0.203	0.467	No	
	Right Cheek	0.227	0.366	0.482	0.195	0.310	0.307	0.411	0.593	0.709	0.534	0.638	No	
	Right Tilt	0.111	0.100	0.538	0.053	0.456	0.277	0.293	0.211	0.649	0.388	0.404	No	
GPRS 850	Left Cheek	0.253	0.068	0.328	0.036	0.283	0.104	0.336	0.321	0.581	0.357	0.589	No	
	Left Tilt	0.198	0.035	0.522	0.012	0.442	0.096	0.360	0.233	0.720	0.294	0.558	No	
	Right Cheek	0.334	0.366	0.482	0.195	0.310	0.307	0.411	0.700	0.816	0.641	0.745	No	
	Right Tilt	0.157	0.100	0.538	0.053	0.456	0.277	0.293	0.257	0.695	0.434	0.450	No	
GSM 1900	Left Cheek	0.063	0.068	0.328	0.036	0.283	0.104	0.336	0.131	0.391	0.167	0.399	No	
	Left Tilt	0.011	0.035	0.522	0.012	0.442	0.096	0.360	0.046	0.533	0.107	0.371	No	
	Right Cheek	0.036	0.366	0.482	0.195	0.310	0.307	0.411	0.402	0.518	0.343	0.447	No	
	Right Tilt	0.034	0.100	0.538	0.053	0.456	0.277	0.293	0.134	0.572	0.311	0.327	No	
GPRS 1900	Left Cheek	0.098	0.068	0.328	0.036	0.283	0.104	0.336	0.166	0.426	0.202	0.434	No	
	Left Tilt	0.016	0.035	0.522	0.012	0.442	0.096	0.360	0.051	0.538	0.112	0.376	No	
	Right Cheek	0.055	0.366	0.482	0.195	0.310	0.307	0.411	0.421	0.537	0.362	0.466	No	
	Right Tilt	0.047	0.100	0.538	0.053	0.456	0.277	0.293	0.147	0.585	0.324	0.340	No	
UMTS Band 5	Left Cheek	0.125	0.068	0.328	0.036	0.283	0.104	0.336	0.193	0.453	0.229	0.461	No	
	Left Tilt	0.028	0.035	0.522	0.012	0.442	0.096	0.360	0.063	0.550	0.124	0.388	No	
	Right Cheek	0.086	0.366	0.482	0.195	0.310	0.307	0.411	0.452	0.568	0.393	0.497	No	
	Right Tilt	0.061	0.100	0.538	0.053	0.456	0.277	0.293	0.161	0.599	0.338	0.354	No	
UMTS Band 4	Left Cheek	0.218	0.068	0.328	0.036	0.283	0.104	0.336	0.286	0.546	0.322	0.554	No	
	Left Tilt	0.127	0.035	0.522	0.012	0.442	0.096	0.360	0.162	0.649	0.223	0.487	No	
	Right Cheek	0.204	0.366	0.482	0.195	0.310	0.307	0.411	0.570	0.686	0.511	0.615	No	
	Right Tilt	0.131	0.100	0.538	0.053	0.456	0.277	0.293	0.231	0.669	0.408	0.424	No	
UMTS Band 2	Left Cheek	0.254	0.068	0.328	0.036	0.283	0.104	0.336	0.322	0.582	0.358	0.590	No	
	Left Tilt	0.081	0.035	0.522	0.012	0.442	0.096	0.360	0.116	0.603	0.177	0.441	No	
	Right Cheek	0.153	0.366	0.482	0.195	0.310	0.307	0.411	0.519	0.635	0.460	0.564	No	
	Right Tilt	0.164	0.100	0.538	0.053	0.456	0.277	0.293	0.264	0.702	0.441	0.457	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2	1+3	1+6	1+7		
LTE Band 7	Left Cheek	0.148	0.068	0.328	0.036	0.283	0.104	0.336	0.216	0.476	0.252	0.484	No	
	Left Tilt	0.046	0.035	0.522	0.012	0.442	0.096	0.360	0.081	0.568	0.142	0.406	No	
	Right Cheek	0.113	0.366	0.482	0.195	0.310	0.307	0.411	0.479	0.595	0.420	0.524	No	
	Right Tilt	0.079	0.100	0.538	0.053	0.456	0.277	0.293	0.179	0.617	0.356	0.372	No	
LTE Band 12	Left Cheek	0.124	0.068	0.328	0.036	0.283	0.104	0.336	0.192	0.452	0.228	0.460	No	
	Left Tilt	0.08	0.035	0.522	0.012	0.442	0.096	0.360	0.115	0.602	0.176	0.440	No	
	Right Cheek	0.181	0.366	0.482	0.195	0.310	0.307	0.411	0.547	0.663	0.488	0.592	No	
	Right Tilt	0.09	0.100	0.538	0.053	0.456	0.277	0.293	0.190	0.628	0.367	0.383	No	
LTE Band 13	Left Cheek	0.172	0.068	0.328	0.036	0.283	0.104	0.336	0.240	0.500	0.276	0.508	No	
	Left Tilt	0.117	0.035	0.522	0.012	0.442	0.096	0.360	0.152	0.639	0.213	0.477	No	
	Right Cheek	0.246	0.366	0.482	0.195	0.310	0.307	0.411	0.612	0.728	0.553	0.657	No	
	Right Tilt	0.137	0.100	0.538	0.053	0.456	0.277	0.293	0.237	0.675	0.414	0.430	No	
LTE Band 14	Left Cheek	0.228	0.068	0.328	0.036	0.283	0.104	0.336	0.296	0.556	0.332	0.564	No	
	Left Tilt	0.164	0.035	0.522	0.012	0.442	0.096	0.360	0.199	0.686	0.260	0.524	No	
	Right Cheek	0.298	0.366	0.482	0.195	0.310	0.307	0.411	0.664	0.780	0.605	0.709	No	
	Right Tilt	0.155	0.100	0.538	0.053	0.456	0.277	0.293	0.255	0.693	0.432	0.448	No	
LTE Band 25	Left Cheek	0.33	0.068	0.328	0.036	0.283	0.104	0.336	0.398	0.658	0.434	0.666	No	
	Left Tilt	0.131	0.035	0.522	0.012	0.442	0.096	0.360	0.166	0.653	0.227	0.491	No	
	Right Cheek	0.211	0.366	0.482	0.195	0.310	0.307	0.411	0.577	0.693	0.518	0.622	No	
	Right Tilt	0.146	0.100	0.538	0.053	0.456	0.277	0.293	0.246	0.684	0.423	0.439	No	
LTE Band 26	Left Cheek	0.166	0.068	0.328	0.036	0.283	0.104	0.336	0.234	0.494	0.270	0.502	No	
	Left Tilt	0.101	0.035	0.522	0.012	0.442	0.096	0.360	0.136	0.623	0.197	0.461	No	
	Right Cheek	0.267	0.366	0.482	0.195	0.310	0.307	0.411	0.633	0.749	0.574	0.678	No	
	Right Tilt	0.124	0.100	0.538	0.053	0.456	0.277	0.293	0.224	0.662	0.401	0.417	No	
LTE Band 30	Left Cheek	0.081	0.068	0.328	0.036	0.283	0.104	0.336	0.149	0.409	0.185	0.417	No	
	Left Tilt	0.055	0.035	0.522	0.012	0.442	0.096	0.360	0.090	0.577	0.151	0.415	No	
	Right Cheek	0.064	0.366	0.482	0.195	0.310	0.307	0.411	0.430	0.546	0.371	0.475	No	
	Right Tilt	0.051	0.100	0.538	0.053	0.456	0.277	0.293	0.151	0.589	0.328	0.344	No	
LTE Band 40 Low	Left Cheek	0.004	0.068	0.328	0.036	0.283	0.104	0.336	0.072	0.332	0.108	0.340	No	
	Left Tilt	0.001	0.035	0.522	0.012	0.442	0.096	0.360	0.036	0.523	0.097	0.361	No	
	Right Cheek	0.008	0.366	0.482	0.195	0.310	0.307	0.411	0.374	0.490	0.315	0.419	No	
	Right Tilt	0	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
LTE Band 40 Upper	Left Cheek	0.003	0.068	0.328	0.036	0.283	0.104	0.336	0.071	0.331	0.107	0.339	No	
	Left Tilt	0	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.006	0.366	0.482	0.195	0.310	0.307	0.411	0.372	0.488	0.313	0.417	No	
	Right Tilt	0.001	0.100	0.538	0.053	0.456	0.277	0.293	0.101	0.539	0.278	0.294	No	
LTE Band 41 (PC3)	Left Cheek	0.107	0.068	0.328	0.036	0.283	0.104	0.336	0.175	0.435	0.211	0.443	No	
	Left Tilt	0.033	0.035	0.522	0.012	0.442	0.096	0.360	0.068	0.555	0.129	0.393	No	
	Right Cheek	0.09	0.366	0.482	0.195	0.310	0.307	0.411	0.456	0.572	0.397	0.501	No	
	Right Tilt	0.07	0.100	0.538	0.053	0.456	0.277	0.293	0.170	0.608	0.347	0.363	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2	1+3	1+6	1+7		
LTE Band 41 (PC2)	Left Cheek	0.19	0.068	0.328	0.036	0.283	0.104	0.336	0.258	0.518	0.294	0.526	No	
	Left Tilt	0.056	0.035	0.522	0.012	0.442	0.096	0.360	0.091	0.578	0.152	0.416	No	
	Right Cheek	0.118	0.366	0.482	0.195	0.310	0.307	0.411	0.484	0.600	0.425	0.529	No	
	Right Tilt	0.094	0.100	0.538	0.053	0.456	0.277	0.293	0.194	0.632	0.371	0.387	No	
LTE Band 48	Left Cheek	0.115	0.068	0.328	0.036	0.283	0.104	0.336	0.183	0.443	0.219	0.451	No	
	Left Tilt	0.134	0.035	0.522	0.012	0.442	0.096	0.360	0.169	0.656	0.230	0.494	No	
	Right Cheek	0.494	0.366	0.482	0.195	0.310	0.307	0.411	0.860	0.976	0.801	0.905	No	
	Right Tilt	0.557	0.100	0.538	0.053	0.456	0.277	0.293	0.657	1.095	0.834	0.850	No	
LTE Band 66	Left Cheek	0.33	0.068	0.328	0.036	0.283	0.104	0.336	0.398	0.658	0.434	0.666	No	
	Left Tilt	0.074	0.035	0.522	0.012	0.442	0.096	0.360	0.109	0.596	0.170	0.434	No	
	Right Cheek	0.207	0.366	0.482	0.195	0.310	0.307	0.411	0.573	0.689	0.514	0.618	No	
	Right Tilt	0.118	0.100	0.538	0.053	0.456	0.277	0.293	0.218	0.656	0.395	0.411	No	
LTE Band 71	Left Cheek	0.148	0.068	0.328	0.036	0.283	0.104	0.336	0.216	0.476	0.252	0.484	No	
	Left Tilt	0.079	0.035	0.522	0.012	0.442	0.096	0.360	0.114	0.601	0.175	0.439	No	
	Right Cheek	0.149	0.366	0.482	0.195	0.310	0.307	0.411	0.515	0.631	0.456	0.560	No	
	Right Tilt	0.07	0.100	0.538	0.053	0.456	0.277	0.293	0.170	0.608	0.347	0.363	No	
NR Band n5	Left Cheek	0.053	0.068	0.328	0.036	0.283	0.104	0.336	0.121	0.381	0.157	0.389	No	
	Left Tilt	0.041	0.035	0.522	0.012	0.442	0.096	0.360	0.076	0.563	0.137	0.401	No	
	Right Cheek	0.107	0.366	0.482	0.195	0.310	0.307	0.411	0.473	0.589	0.414	0.518	No	
	Right Tilt	0.043	0.100	0.538	0.053	0.456	0.277	0.293	0.143	0.581	0.320	0.336	No	
NR Band n12	Left Cheek	0.084	0.068	0.328	0.036	0.283	0.104	0.336	0.152	0.412	0.188	0.420	No	
	Left Tilt	0.027	0.035	0.522	0.012	0.442	0.096	0.360	0.062	0.549	0.123	0.387	No	
	Right Cheek	0.095	0.366	0.482	0.195	0.310	0.307	0.411	0.461	0.577	0.402	0.506	No	
	Right Tilt	0.045	0.100	0.538	0.053	0.456	0.277	0.293	0.145	0.583	0.322	0.338	No	
NR Band n25	Left Cheek	0.189	0.068	0.328	0.036	0.283	0.104	0.336	0.257	0.517	0.293	0.525	No	
	Left Tilt	0.104	0.035	0.522	0.012	0.442	0.096	0.360	0.139	0.626	0.200	0.464	No	
	Right Cheek	0.168	0.366	0.482	0.195	0.310	0.307	0.411	0.534	0.650	0.475	0.579	No	
	Right Tilt	0.100	0.100	0.538	0.053	0.456	0.277	0.293	0.200	0.638	0.377	0.393	No	
NR Band n30	Left Cheek	0.101	0.068	0.328	0.036	0.283	0.104	0.336	0.169	0.429	0.205	0.437	No	
	Left Tilt	0.043	0.035	0.522	0.012	0.442	0.096	0.360	0.078	0.565	0.139	0.403	No	
	Right Cheek	0.152	0.366	0.482	0.195	0.310	0.307	0.411	0.518	0.634	0.459	0.563	No	
	Right Tilt	0.060	0.100	0.538	0.053	0.456	0.277	0.293	0.160	0.598	0.337	0.353	No	
NR Band n41 (PC3)	Left Cheek	0.025	0.068	0.328	0.036	0.283	0.104	0.336	0.093	0.353	0.129	0.361	No	
	Left Tilt	0.001	0.035	0.522	0.012	0.442	0.096	0.360	0.036	0.523	0.097	0.361	No	
	Right Cheek	0.011	0.366	0.482	0.195	0.310	0.307	0.411	0.377	0.493	0.318	0.422	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
NR Band n66	Left Cheek	0.223	0.068	0.328	0.036	0.283	0.104	0.336	0.291	0.551	0.327	0.559	No	
	Left Tilt	0.094	0.035	0.522	0.012	0.442	0.096	0.360	0.129	0.616	0.190	0.454	No	
	Right Cheek	0.216	0.366	0.482	0.195	0.310	0.307	0.411	0.582	0.698	0.523	0.627	No	
	Right Tilt	0.113	0.100	0.538	0.053	0.456	0.277	0.293	0.213	0.651	0.390	0.406	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2	1+3	1+6	1+7		
NR Band n71	Left Cheek	0.109	0.068	0.328	0.036	0.283	0.104	0.336	0.177	0.437	0.213	0.445	No	
	Left Tilt	0.048	0.035	0.522	0.012	0.442	0.096	0.360	0.083	0.570	0.144	0.408	No	
	Right Cheek	0.124	0.366	0.482	0.195	0.310	0.307	0.411	0.490	0.606	0.431	0.535	No	
	Right Tilt	0.065	0.100	0.538	0.053	0.456	0.277	0.293	0.165	0.603	0.342	0.358	No	
NR Band n77 (PC3)	Left Cheek	0.196	0.068	0.328	0.036	0.283	0.104	0.336	0.264	0.524	0.300	0.532	No	
	Left Tilt	0.172	0.035	0.522	0.012	0.442	0.096	0.360	0.207	0.694	0.268	0.532	No	
	Right Cheek	0.709	0.366	0.482	0.195	0.310	0.307	0.411	1.075	1.191	1.016	1.120	No	
	Right Tilt	0.745	0.100	0.538	0.053	0.456	0.277	0.293	0.845	1.283	1.022	1.038	No	
NR Band n77 (PC3) DoD	Left Cheek	0.138	0.068	0.328	0.036	0.283	0.104	0.336	0.206	0.466	0.242	0.474	No	
	Left Tilt	0.132	0.035	0.522	0.012	0.442	0.096	0.360	0.167	0.654	0.228	0.492	No	
	Right Cheek	0.786	0.366	0.482	0.195	0.310	0.307	0.411	1.152	1.268	1.093	1.197	No	
	Right Tilt	0.515	0.100	0.538	0.053	0.456	0.277	0.293	0.615	1.053	0.792	0.808	No	
NR Band n77 SRS #2(PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.068	0.328	0.104	0.336	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.366	0.482	0.307	0.411	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
NR Band n77 SRS #3(PC3)	Left Cheek	0.074	0.068	0.328	0.036	0.283	0.104	0.336	0.142	0.402	0.178	0.410	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.311	0.366	0.482	0.195	0.310	0.307	0.411	0.677	0.793	0.618	0.722	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
NR Band n77 SRS #4(PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.068	0.328	0.104	0.336	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.366	0.482	0.307	0.411	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
NR Band n77 SRS#2 DoD (PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.068	0.328	0.104	0.336	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.366	0.482	0.307	0.411	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
NR Band n77 SRS#3 DoD (PC3)	Left Cheek	0.072	0.068	0.328	0.036	0.283	0.104	0.336	0.140	0.400	0.176	0.408	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.317	0.366	0.482	0.195	0.310	0.307	0.411	0.683	0.799	0.624	0.728	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	
NR Band n77 SRS#4 DoD (PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.068	0.328	0.104	0.336	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.035	0.522	0.096	0.360	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.366	0.482	0.307	0.411	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.100	0.538	0.277	0.293	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2+7	1+4+6	1+5+6	1+6+7		
EVDO BC0 (\$22H)	Left Cheek	0.137	0.068	0.328	0.036	0.283	0.104	0.336	0.541	0.277	0.524	0.577	No	
	Left Tilt	0.088	0.035	0.522	0.012	0.442	0.096	0.360	0.483	0.196	0.626	0.544	No	
	Right Cheek	0.233	0.366	0.482	0.195	0.310	0.307	0.411	1.010	0.735	0.850	0.951	No	
	Right Tilt	0.094	0.100	0.538	0.053	0.456	0.277	0.293	0.487	0.424	0.827	0.664	No	
PCS CDMA/EVDO	Left Cheek	0.222	0.068	0.328	0.036	0.283	0.104	0.336	0.626	0.362	0.609	0.662	No	
	Left Tilt	0.112	0.035	0.522	0.012	0.442	0.096	0.360	0.507	0.220	0.650	0.568	No	
	Right Cheek	0.144	0.366	0.482	0.195	0.310	0.307	0.411	0.921	0.646	0.761	0.862	No	
	Right Tilt	0.062	0.100	0.538	0.053	0.456	0.277	0.293	0.455	0.392	0.795	0.632	No	
EVDO BC10 (\$90S)	Left Cheek	0.158	0.068	0.328	0.036	0.283	0.104	0.336	0.562	0.298	0.545	0.598	No	
	Left Tilt	0.093	0.035	0.522	0.012	0.442	0.096	0.360	0.488	0.201	0.631	0.549	No	
	Right Cheek	0.213	0.366	0.482	0.195	0.310	0.307	0.411	0.990	0.715	0.830	0.931	No	
	Right Tilt	0.123	0.100	0.538	0.053	0.456	0.277	0.293	0.516	0.453	0.856	0.693	No	
GSM 850	Left Cheek	0.167	0.068	0.328	0.036	0.283	0.104	0.336	0.571	0.307	0.554	0.607	No	
	Left Tilt	0.107	0.035	0.522	0.012	0.442	0.096	0.360	0.502	0.215	0.645	0.563	No	
	Right Cheek	0.227	0.366	0.482	0.195	0.310	0.307	0.411	1.004	0.729	0.844	0.945	No	
	Right Tilt	0.111	0.100	0.538	0.053	0.456	0.277	0.293	0.504	0.441	0.844	0.681	No	
GPRS 850	Left Cheek	0.253	0.068	0.328	0.036	0.283	0.104	0.336	0.657	0.393	0.640	0.693	No	
	Left Tilt	0.198	0.035	0.522	0.012	0.442	0.096	0.360	0.593	0.306	0.736	0.654	No	
	Right Cheek	0.334	0.366	0.482	0.195	0.310	0.307	0.411	1.111	0.836	0.951	1.052	No	
	Right Tilt	0.157	0.100	0.538	0.053	0.456	0.277	0.293	0.550	0.487	0.890	0.727	No	
GSM 1900	Left Cheek	0.063	0.068	0.328	0.036	0.283	0.104	0.336	0.467	0.203	0.450	0.503	No	
	Left Tilt	0.011	0.035	0.522	0.012	0.442	0.096	0.360	0.406	0.119	0.549	0.467	No	
	Right Cheek	0.036	0.366	0.482	0.195	0.310	0.307	0.411	0.813	0.538	0.653	0.754	No	
	Right Tilt	0.034	0.100	0.538	0.053	0.456	0.277	0.293	0.427	0.364	0.767	0.604	No	
GPRS 1900	Left Cheek	0.098	0.068	0.328	0.036	0.283	0.104	0.336	0.502	0.238	0.485	0.538	No	
	Left Tilt	0.016	0.035	0.522	0.012	0.442	0.096	0.360	0.411	0.124	0.554	0.472	No	
	Right Cheek	0.055	0.366	0.482	0.195	0.310	0.307	0.411	0.832	0.557	0.672	0.773	No	
	Right Tilt	0.047	0.100	0.538	0.053	0.456	0.277	0.293	0.440	0.377	0.780	0.617	No	
UMTS Band 5	Left Cheek	0.125	0.068	0.328	0.036	0.283	0.104	0.336	0.529	0.265	0.512	0.565	No	
	Left Tilt	0.028	0.035	0.522	0.012	0.442	0.096	0.360	0.423	0.136	0.566	0.484	No	
	Right Cheek	0.086	0.366	0.482	0.195	0.310	0.307	0.411	0.863	0.588	0.703	0.804	No	
	Right Tilt	0.061	0.100	0.538	0.053	0.456	0.277	0.293	0.454	0.391	0.794	0.631	No	
UMTS Band 4	Left Cheek	0.218	0.068	0.328	0.036	0.283	0.104	0.336	0.622	0.358	0.605	0.658	No	
	Left Tilt	0.127	0.035	0.522	0.012	0.442	0.096	0.360	0.522	0.235	0.665	0.583	No	
	Right Cheek	0.204	0.366	0.482	0.195	0.310	0.307	0.411	0.981	0.706	0.821	0.922	No	
	Right Tilt	0.131	0.100	0.538	0.053	0.456	0.277	0.293	0.524	0.461	0.864	0.701	No	
UMTS Band 2	Left Cheek	0.254	0.068	0.328	0.036	0.283	0.104	0.336	0.658	0.394	0.641	0.694	No	
	Left Tilt	0.081	0.035	0.522	0.012	0.442	0.096	0.360	0.476	0.189	0.619	0.537	No	
	Right Cheek	0.153	0.366	0.482	0.195	0.310	0.307	0.411	0.930	0.655	0.770	0.871	No	
	Right Tilt	0.164	0.100	0.538	0.053	0.456	0.277	0.293	0.557	0.494	0.897	0.734	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2+7	1+4+6	1+5+6	1+6+7		
LTE Band 7	Left Cheek	0.148	0.068	0.328	0.036	0.283	0.104	0.336	0.552	0.288	0.535	0.588	No	
	Left Tilt	0.046	0.035	0.522	0.012	0.442	0.096	0.360	0.441	0.154	0.584	0.502	No	
	Right Cheek	0.113	0.366	0.482	0.195	0.310	0.307	0.411	0.890	0.615	0.730	0.831	No	
	Right Tilt	0.079	0.100	0.538	0.053	0.456	0.277	0.293	0.472	0.409	0.812	0.649	No	
LTE Band 12	Left Cheek	0.124	0.068	0.328	0.036	0.283	0.104	0.336	0.528	0.264	0.511	0.564	No	
	Left Tilt	0.08	0.035	0.522	0.012	0.442	0.096	0.360	0.475	0.188	0.618	0.536	No	
	Right Cheek	0.181	0.366	0.482	0.195	0.310	0.307	0.411	0.958	0.683	0.798	0.899	No	
	Right Tilt	0.09	0.100	0.538	0.053	0.456	0.277	0.293	0.483	0.420	0.823	0.660	No	
LTE Band 13	Left Cheek	0.172	0.068	0.328	0.036	0.283	0.104	0.336	0.576	0.312	0.559	0.612	No	
	Left Tilt	0.117	0.035	0.522	0.012	0.442	0.096	0.360	0.512	0.225	0.655	0.573	No	
	Right Cheek	0.246	0.366	0.482	0.195	0.310	0.307	0.411	1.023	0.748	0.863	0.964	No	
	Right Tilt	0.137	0.100	0.538	0.053	0.456	0.277	0.293	0.530	0.467	0.870	0.707	No	
LTE Band 14	Left Cheek	0.228	0.068	0.328	0.036	0.283	0.104	0.336	0.632	0.368	0.615	0.668	No	
	Left Tilt	0.164	0.035	0.522	0.012	0.442	0.096	0.360	0.559	0.272	0.702	0.620	No	
	Right Cheek	0.298	0.366	0.482	0.195	0.310	0.307	0.411	1.075	0.800	0.915	1.016	No	
	Right Tilt	0.155	0.100	0.538	0.053	0.456	0.277	0.293	0.548	0.485	0.888	0.725	No	
LTE Band 25	Left Cheek	0.33	0.068	0.328	0.036	0.283	0.104	0.336	0.734	0.470	0.717	0.770	No	
	Left Tilt	0.131	0.035	0.522	0.012	0.442	0.096	0.360	0.526	0.239	0.669	0.587	No	
	Right Cheek	0.211	0.366	0.482	0.195	0.310	0.307	0.411	0.988	0.713	0.828	0.929	No	
	Right Tilt	0.146	0.100	0.538	0.053	0.456	0.277	0.293	0.539	0.476	0.879	0.716	No	
LTE Band 26	Left Cheek	0.166	0.068	0.328	0.036	0.283	0.104	0.336	0.570	0.306	0.553	0.606	No	
	Left Tilt	0.101	0.035	0.522	0.012	0.442	0.096	0.360	0.496	0.209	0.639	0.557	No	
	Right Cheek	0.267	0.366	0.482	0.195	0.310	0.307	0.411	1.044	0.769	0.884	0.985	No	
	Right Tilt	0.124	0.100	0.538	0.053	0.456	0.277	0.293	0.517	0.454	0.857	0.694	No	
LTE Band 30	Left Cheek	0.081	0.068	0.328	0.036	0.283	0.104	0.336	0.485	0.221	0.468	0.521	No	
	Left Tilt	0.055	0.035	0.522	0.012	0.442	0.096	0.360	0.450	0.163	0.593	0.511	No	
	Right Cheek	0.064	0.366	0.482	0.195	0.310	0.307	0.411	0.841	0.566	0.681	0.782	No	
	Right Tilt	0.051	0.100	0.538	0.053	0.456	0.277	0.293	0.444	0.381	0.784	0.621	No	
LTE Band 40 Low	Left Cheek	0.004	0.068	0.328	0.036	0.283	0.104	0.336	0.408	0.144	0.391	0.444	No	
	Left Tilt	0.001	0.035	0.522	0.012	0.442	0.096	0.360	0.396	0.109	0.539	0.457	No	
	Right Cheek	0.008	0.366	0.482	0.195	0.310	0.307	0.411	0.785	0.510	0.625	0.726	No	
	Right Tilt	0	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
LTE Band 40 Upper	Left Cheek	0.003	0.068	0.328	0.036	0.283	0.104	0.336	0.407	0.143	0.390	0.443	No	
	Left Tilt	0	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.006	0.366	0.482	0.195	0.310	0.307	0.411	0.783	0.508	0.623	0.724	No	
	Right Tilt	0.001	0.100	0.538	0.053	0.456	0.277	0.293	0.394	0.331	0.734	0.571	No	
LTE Band 41 (PC3)	Left Cheek	0.107	0.068	0.328	0.036	0.283	0.104	0.336	0.511	0.247	0.494	0.547	No	
	Left Tilt	0.033	0.035	0.522	0.012	0.442	0.096	0.360	0.428	0.141	0.571	0.489	No	
	Right Cheek	0.09	0.366	0.482	0.195	0.310	0.307	0.411	0.867	0.592	0.707	0.808	No	
	Right Tilt	0.07	0.100	0.538	0.053	0.456	0.277	0.293	0.463	0.400	0.803	0.640	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2+7	1+4+6	1+5+6	1+6+7		
LTE Band 41 (PC2)	Left Cheek	0.19	0.068	0.328	0.036	0.283	0.104	0.336	0.594	0.330	0.577	0.630	No	
	Left Tilt	0.056	0.035	0.522	0.012	0.442	0.096	0.360	0.451	0.164	0.594	0.512	No	
	Right Cheek	0.118	0.366	0.482	0.195	0.310	0.307	0.411	0.895	0.620	0.735	0.836	No	
	Right Tilt	0.094	0.100	0.538	0.053	0.456	0.277	0.293	0.487	0.424	0.827	0.664	No	
LTE Band 48	Left Cheek	0.115	0.068	0.328	0.036	0.283	0.104	0.336	0.519	0.255	0.502	0.555	No	
	Left Tilt	0.134	0.035	0.522	0.012	0.442	0.096	0.360	0.529	0.242	0.672	0.590	No	
	Right Cheek	0.494	0.366	0.482	0.195	0.310	0.307	0.411	1.271	0.996	1.111	1.212	No	
	Right Tilt	0.557	0.100	0.538	0.053	0.456	0.277	0.293	0.950	0.887	1.290	1.127	No	
LTE Band 66	Left Cheek	0.33	0.068	0.328	0.036	0.283	0.104	0.336	0.734	0.470	0.717	0.770	No	
	Left Tilt	0.074	0.035	0.522	0.012	0.442	0.096	0.360	0.469	0.182	0.612	0.530	No	
	Right Cheek	0.207	0.366	0.482	0.195	0.310	0.307	0.411	0.984	0.709	0.824	0.925	No	
	Right Tilt	0.118	0.100	0.538	0.053	0.456	0.277	0.293	0.511	0.448	0.851	0.688	No	
LTE Band 71	Left Cheek	0.148	0.068	0.328	0.036	0.283	0.104	0.336	0.552	0.288	0.535	0.588	No	
	Left Tilt	0.079	0.035	0.522	0.012	0.442	0.096	0.360	0.474	0.187	0.617	0.535	No	
	Right Cheek	0.149	0.366	0.482	0.195	0.310	0.307	0.411	0.926	0.651	0.766	0.867	No	
	Right Tilt	0.07	0.100	0.538	0.053	0.456	0.277	0.293	0.463	0.400	0.803	0.640	No	
NR Band n5	Left Cheek	0.053	0.068	0.328	0.036	0.283	0.104	0.336	0.457	0.193	0.440	0.493	No	
	Left Tilt	0.041	0.035	0.522	0.012	0.442	0.096	0.360	0.436	0.149	0.579	0.497	No	
	Right Cheek	0.107	0.366	0.482	0.195	0.310	0.307	0.411	0.884	0.609	0.724	0.825	No	
	Right Tilt	0.043	0.100	0.538	0.053	0.456	0.277	0.293	0.436	0.373	0.776	0.613	No	
NR Band n12	Left Cheek	0.084	0.068	0.328	0.036	0.283	0.104	0.336	0.488	0.224	0.471	0.524	No	
	Left Tilt	0.027	0.035	0.522	0.012	0.442	0.096	0.360	0.422	0.135	0.565	0.483	No	
	Right Cheek	0.095	0.366	0.482	0.195	0.310	0.307	0.411	0.872	0.597	0.712	0.813	No	
	Right Tilt	0.045	0.100	0.538	0.053	0.456	0.277	0.293	0.438	0.375	0.778	0.615	No	
NR Band n25	Left Cheek	0.189	0.068	0.328	0.036	0.283	0.104	0.336	0.593	0.329	0.576	0.629	No	
	Left Tilt	0.104	0.035	0.522	0.012	0.442	0.096	0.360	0.499	0.212	0.642	0.560	No	
	Right Cheek	0.168	0.366	0.482	0.195	0.310	0.307	0.411	0.945	0.670	0.785	0.886	No	
	Right Tilt	0.100	0.100	0.538	0.053	0.456	0.277	0.293	0.493	0.430	0.833	0.670	No	
NR Band n30	Left Cheek	0.101	0.068	0.328	0.036	0.283	0.104	0.336	0.505	0.241	0.488	0.541	No	
	Left Tilt	0.043	0.035	0.522	0.012	0.442	0.096	0.360	0.438	0.151	0.581	0.499	No	
	Right Cheek	0.152	0.366	0.482	0.195	0.310	0.307	0.411	0.929	0.654	0.769	0.870	No	
	Right Tilt	0.060	0.100	0.538	0.053	0.456	0.277	0.293	0.453	0.390	0.793	0.630	No	
NR Band n41 (PC3)	Left Cheek	0.025	0.068	0.328	0.036	0.283	0.104	0.336	0.429	0.165	0.412	0.465	No	
	Left Tilt	0.001	0.035	0.522	0.012	0.442	0.096	0.360	0.396	0.109	0.539	0.457	No	
	Right Cheek	0.011	0.366	0.482	0.195	0.310	0.307	0.411	0.788	0.513	0.628	0.729	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
NR Band n66	Left Cheek	0.223	0.068	0.328	0.036	0.283	0.104	0.336	0.627	0.363	0.610	0.663	No	
	Left Tilt	0.094	0.035	0.522	0.012	0.442	0.096	0.360	0.489	0.202	0.632	0.550	No	
	Right Cheek	0.216	0.366	0.482	0.195	0.310	0.307	0.411	0.993	0.718	0.833	0.934	No	
	Right Tilt	0.113	0.100	0.538	0.053	0.456	0.277	0.293	0.506	0.443	0.846	0.683	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN														
Band		WWAN SAR	2.4 GHz WLAN Ant.2 RCV	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RCV RSDB	2.4 GHz WLAN MIMO RCV RSDB	5 GHz WLAN MIMO RCV, RCV+ RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	1+2+7	1+4+6	1+5+6	1+6+7		
NR Band n71	Left Cheek	0.109	0.068	0.328	0.036	0.283	0.104	0.336	0.513	0.249	0.496	0.549	No	
	Left Tilt	0.048	0.035	0.522	0.012	0.442	0.096	0.360	0.443	0.156	0.586	0.504	No	
	Right Cheek	0.124	0.366	0.482	0.195	0.310	0.307	0.411	0.901	0.626	0.741	0.842	No	
	Right Tilt	0.065	0.100	0.538	0.053	0.456	0.277	0.293	0.458	0.395	0.798	0.635	No	
NR Band n77 (PC3)	Left Cheek	0.196	0.068	0.328	0.036	0.283	0.104	0.336	0.600	0.336	0.583	0.636	No	
	Left Tilt	0.172	0.035	0.522	0.012	0.442	0.096	0.360	0.567	0.280	0.710	0.628	No	
	Right Cheek	0.709	0.366	0.482	0.195	0.310	0.307	0.411	1.486	1.211	1.326	1.427	No	
	Right Tilt	0.745	0.100	0.538	0.053	0.456	0.277	0.293	1.138	1.075	1.478	1.315	No	
NR Band n77 (PC3) DoD	Left Cheek	0.138	0.068	0.328	0.036	0.283	0.104	0.336	0.542	0.278	0.525	0.578	No	
	Left Tilt	0.132	0.035	0.522	0.012	0.442	0.096	0.360	0.527	0.240	0.670	0.588	No	
	Right Cheek	0.786	0.366	0.482	0.195	0.310	0.307	0.411	1.563	1.288	1.403	1.504	No	
	Right Tilt	0.515	0.100	0.538	0.053	0.456	0.277	0.293	0.908	0.845	1.248	1.085	No	
NR Band n77 SRS#2 (PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.404	0.140	0.387	0.440	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.777	0.502	0.617	0.718	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
NR Band n77 SRS#3 (PC3)	Left Cheek	0.074	0.068	0.328	0.036	0.283	0.104	0.336	0.478	0.214	0.461	0.514	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.311	0.366	0.482	0.195	0.310	0.307	0.411	1.088	0.813	0.928	1.029	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
NR Band n77 SRS#4 (PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.404	0.140	0.387	0.440	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.777	0.502	0.617	0.718	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
NR Band n77 SRS#2 DoD (PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.404	0.140	0.387	0.440	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.777	0.502	0.617	0.718	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
NR Band n77 SRS#3 DoD (PC3)	Left Cheek	0.072	0.068	0.328	0.036	0.283	0.104	0.336	0.476	0.212	0.459	0.512	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.317	0.366	0.482	0.195	0.310	0.307	0.411	1.094	0.819	0.934	1.035	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	
NR Band n77 SRS#4 DoD (PC3)	Left Cheek	0.000	0.068	0.328	0.036	0.283	0.104	0.336	0.404	0.140	0.387	0.440	No	
	Left Tilt	0.000	0.035	0.522	0.012	0.442	0.096	0.360	0.395	0.108	0.538	0.456	No	
	Right Cheek	0.000	0.366	0.482	0.195	0.310	0.307	0.411	0.777	0.502	0.617	0.718	No	
	Right Tilt	0.000	0.100	0.538	0.053	0.456	0.277	0.293	0.393	0.330	0.733	0.570	No	

14.2 Body-Worn SAR Simultaneous Transmission Analysis.

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN (15 mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
EVDO BC0 (\$22H)	Rear	0.503	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.635	0.871	0.977	0.566	No	
	Front	0.458	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.592	0.747	0.591	0.499	No	
PCS CDMA /EVDO	Rear	1.049	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.181	1.417	1.523	1.112	No	
	Front	0.994	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.128	1.283	1.127	1.035	No	
EVDO BC10 (\$90S)	Rear	0.392	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.524	0.760	0.866	0.455	No	
	Front	0.371	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.505	0.660	0.504	0.412	No	
GSM 850	Rear	0.299	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.431	0.667	0.773	0.362	No	
	Front	0.278	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.412	0.567	0.411	0.319	No	
GPRS 850	Rear	0.478	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.610	0.846	0.952	0.541	No	
	Front	0.430	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.564	0.719	0.563	0.471	No	
GSM 1900	Rear	0.361	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.493	0.729	0.835	0.424	No	
	Front	0.350	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.484	0.639	0.483	0.391	No	
GPRS 1900	Rear	0.556	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.688	0.924	1.030	0.619	No	
	Front	0.572	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.706	0.861	0.705	0.613	No	
UMTS Band 5	Rear	0.422	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.554	0.790	0.896	0.485	No	
	Front	0.398	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.532	0.687	0.531	0.439	No	
UMTS Band 4	Rear	0.998	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.130	1.366	1.472	1.061	No	
	Front	0.849	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.983	1.138	0.982	0.890	No	
UMTS Band 2	Rear	0.974	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.106	1.342	1.448	1.037	No	
	Front	0.850	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.984	1.139	0.983	0.891	No	
LTE Band 7	Rear	0.578	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.710	0.946	1.052	0.641	No	
	Front	0.429	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.563	0.718	0.562	0.470	No	
LTE Band 12	Rear	0.200	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.332	0.568	0.674	0.263	No	
	Front	0.225	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.359	0.514	0.358	0.266	No	
LTE Band 13	Rear	0.476	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.608	0.844	0.950	0.539	No	
	Front	0.399	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.533	0.688	0.532	0.440	No	
LTE Band 14	Rear	0.506	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.638	0.874	0.980	0.569	No	
	Front	0.471	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.605	0.760	0.604	0.512	No	
LTE Band 25	Rear	0.613	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.745	0.981	1.087	0.676	No	
	Front	0.533	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.667	0.822	0.666	0.574	No	
LTE Band 26	Rear	0.459	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.591	0.827	0.933	0.522	No	
	Front	0.374	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.508	0.663	0.507	0.415	No	
LTE Band 30	Rear	0.483	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.615	0.851	0.957	0.546	No	
	Front	0.502	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.636	0.791	0.635	0.543	No	
LTE Band 40 Low	Rear	0.035	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.167	0.403	0.509	0.098	No	
	Front	0.032	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.166	0.321	0.165	0.073	No	
LTE Band 40 Upper	Rear	0.040	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.172	0.408	0.514	0.103	No	
	Front	0.038	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.172	0.327	0.171	0.079	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN (15 mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
LTE Band 41 (PC3)	Rear	0.370	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.502	0.738	0.844	0.433	No	
	Front	0.310	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.444	0.599	0.443	0.351	No	
LTE Band 41 (PC2)	Rear	0.516	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.648	0.884	0.990	0.579	No	
	Front	0.393	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.527	0.682	0.526	0.434	No	
LTE Band 48	Rear	0.251	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.383	0.619	0.725	0.314	No	
	Front	0.356	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.490	0.645	0.489	0.397	No	
LTE Band 66	Rear	0.555	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.687	0.923	1.029	0.618	No	
	Front	0.582	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.716	0.871	0.715	0.623	No	
LTE Band 71	Rear	0.221	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.353	0.589	0.695	0.284	No	
	Front	0.205	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.339	0.494	0.338	0.246	No	
NR Band n5	Rear	0.172	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.304	0.540	0.646	0.235	No	
	Front	0.155	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.289	0.444	0.288	0.196	No	
NR Band n12	Rear	0.132	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.264	0.500	0.606	0.195	No	
	Front	0.130	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.264	0.419	0.263	0.171	No	
NR Band n25	Rear	0.927	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.059	1.295	1.401	0.990	No	
	Front	0.920	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.054	1.209	1.053	0.961	No	
NR Band n30	Rear	0.918	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.050	1.286	1.392	0.981	No	
	Front	0.902	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.036	1.191	1.035	0.943	No	
NR Band n41 (PC3)	Rear	0.144	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.276	0.512	0.618	0.207	No	
	Front	0.137	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.271	0.426	0.270	0.178	No	
NR Band n66	Rear	0.735	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.867	1.103	1.209	0.798	No	
	Front	0.706	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.840	0.995	0.839	0.747	No	
NR Band n71	Rear	0.162	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.294	0.530	0.636	0.225	No	
	Front	0.150	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.284	0.439	0.283	0.191	No	
NR Band n77 (PC3)	Rear	0.116	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.248	0.484	0.590	0.179	No	
	Front	0.145	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.279	0.434	0.278	0.186	No	
NR Band n77 (PC3) DoD	Rear	0.128	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.260	0.496	0.602	0.191	No	
	Front	0.099	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.233	0.388	0.232	0.140	No	
NR Band n77 SRS#2 (PC3)	Rear	0.000	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.132	0.368	0.474	0.063	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.134	0.289	0.133	0.041	No	
NR Band n77 SRS#3 (PC3)	Rear	0.000	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.132	0.368	0.474	0.063	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.134	0.289	0.133	0.041	No	
NR Band n77 SRS#4 (PC3)	Rear	0.048	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.132	0.368	0.474	0.063	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.134	0.289	0.133	0.041	No	
NR Band n77 SRS#2 DoD (PC3)	Rear	0.004	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.180	0.416	0.522	0.111	No	
	Front	0.009	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.134	0.289	0.133	0.041	No	
NR Band n77 SRS#3 DoD (PC3)	Rear	0.000	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.136	0.372	0.478	0.067	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.143	0.298	0.142	0.050	No	
NR Band n77 SRS#4 DoD (PC3)	Rear	0.021	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.132	0.368	0.474	0.063	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.134	0.289	0.133	0.041	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN (15 mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
EVDO BC0 (§22H)	Rear	0.503	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.698	0.535	0.591	1.040	No	
	Front	0.458	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.633	0.484	0.530	0.632	No	
PCS CDMA /EVDO	Rear	1.049	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.244	1.081	1.137	1.586	No	
	Front	0.994	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.169	1.020	1.066	1.168	No	
EVDO BC10 (§90S)	Rear	0.392	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.587	0.424	0.480	0.929	No	
	Front	0.371	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.546	0.397	0.443	0.545	No	
GSM 850	Rear	0.299	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.494	0.331	0.387	0.836	No	
	Front	0.278	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.453	0.304	0.350	0.452	No	
GPRS 850	Rear	0.478	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.673	0.510	0.566	1.015	No	
	Front	0.430	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.605	0.456	0.502	0.604	No	
GSM 1900	Rear	0.361	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.556	0.393	0.449	0.898	No	
	Front	0.350	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.525	0.376	0.422	0.524	No	
GPRS 1900	Rear	0.556	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.751	0.588	0.644	1.093	No	
	Front	0.572	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.747	0.598	0.644	0.746	No	
UMTS Band 5	Rear	0.422	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.617	0.454	0.510	0.959	No	
	Front	0.398	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.573	0.424	0.470	0.572	No	
UMTS Band 4	Rear	0.998	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.193	1.030	1.086	1.535	No	
	Front	0.849	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.024	0.875	0.921	1.023	No	
UMTS Band 2	Rear	0.974	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.169	1.006	1.062	1.511	No	
	Front	0.850	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.025	0.876	0.922	1.024	No	
LTE Band 7	Rear	0.578	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.773	0.610	0.666	1.115	No	
	Front	0.429	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.604	0.455	0.501	0.603	No	
LTE Band 12	Rear	0.200	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.395	0.232	0.288	0.737	No	
	Front	0.225	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.400	0.251	0.297	0.399	No	
LTE Band 13	Rear	0.476	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.671	0.508	0.564	1.013	No	
	Front	0.399	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.574	0.425	0.471	0.573	No	
LTE Band 14	Rear	0.506	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.701	0.538	0.594	1.043	No	
	Front	0.471	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.646	0.497	0.543	0.645	No	
LTE Band 25	Rear	0.613	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.808	0.645	0.701	1.150	No	
	Front	0.533	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.708	0.559	0.605	0.707	No	
LTE Band 26	Rear	0.459	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.654	0.491	0.547	0.996	No	
	Front	0.374	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.549	0.400	0.446	0.548	No	
LTE Band 30	Rear	0.483	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.678	0.515	0.571	1.020	No	
	Front	0.502	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.677	0.528	0.574	0.676	No	
LTE Band 40 Low	Rear	0.035	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.230	0.067	0.123	0.572	No	
	Front	0.032	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.207	0.058	0.104	0.206	No	
LTE Band 40 Upper	Rear	0.040	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.235	0.072	0.128	0.577	No	
	Front	0.038	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.213	0.064	0.110	0.212	No	

Simultaneous Transmission Summation Scenario with 2.4 GHz Ant WLAN (15 mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
LTE Band 41 (PC3)	Rear	0.370	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.565	0.402	0.458	0.907	No	
	Front	0.310	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.485	0.336	0.382	0.484	No	
LTE Band 41 (PC2)	Rear	0.516	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.711	0.548	0.604	1.053	No	
	Front	0.393	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.568	0.419	0.465	0.567	No	
LTE Band 48	Rear	0.251	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.446	0.283	0.339	0.788	No	
	Front	0.356	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.531	0.382	0.428	0.530	No	
LTE Band 66	Rear	0.555	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.750	0.587	0.643	1.092	No	
	Front	0.582	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.757	0.608	0.654	0.756	No	
LTE Band 71	Rear	0.221	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.416	0.253	0.309	0.758	No	
	Front	0.205	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.380	0.231	0.277	0.379	No	
NR Band n5	Rear	0.172	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.367	0.204	0.260	0.709	No	
	Front	0.155	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.330	0.181	0.227	0.329	No	
NR Band n12	Rear	0.132	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.327	0.164	0.220	0.669	No	
	Front	0.130	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.305	0.156	0.202	0.304	No	
NR Band n25	Rear	0.927	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.122	0.959	1.015	1.464	No	
	Front	0.920	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.095	0.946	0.992	1.094	No	
NR Band n30	Rear	0.918	0.132	0.368	0.018	0.074	0.474	0.014	0.063	1.113	0.950	1.006	1.455	No	
	Front	0.902	0.134	0.289	0.026	0.072	0.133	0.000	0.041	1.077	0.928	0.974	1.076	No	
NR Band n41 (PC3)	Rear	0.144	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.339	0.176	0.232	0.681	No	
	Front	0.137	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.312	0.163	0.209	0.311	No	
NR Band n66	Rear	0.735	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.930	0.767	0.823	1.272	No	
	Front	0.706	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.881	0.732	0.778	0.880	No	
NR Band n71	Rear	0.162	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.357	0.194	0.250	0.699	No	
	Front	0.150	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.325	0.176	0.222	0.324	No	
NR Band n77 (PC3)	Rear	0.116	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.311	0.148	0.204	0.653	No	
	Front	0.145	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.320	0.171	0.217	0.319	No	
NR Band n77 (PC3) DoD	Rear	0.128	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.323	0.160	0.216	0.665	No	
	Front	0.099	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.274	0.125	0.171	0.273	No	
NR Band n77 SRS#2 (PC3)	Rear	0.000	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.195	0.032	0.088	0.537	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.175	0.026	0.072	0.174	No	
NR Band n77 SRS#3 (PC3)	Rear	0.000	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.199	0.036	0.092	0.541	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.184	0.035	0.081	0.183	No	
NR Band n77 SRS#4 (PC3)	Rear	0.048	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.195	0.032	0.088	0.537	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.175	0.026	0.072	0.174	No	
NR Band n77 SRS#2 DoD (PC3)	Rear	0.004	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.195	0.032	0.088	0.537	No	
	Front	0.009	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.175	0.026	0.072	0.174	No	
NR Band n77 SRS#3 DoD (PC3)	Rear	0.000	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.243	0.080	0.136	0.585	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.175	0.026	0.072	0.174	No	
NR Band n77 SRS#4 DoD (PC3)	Rear	0.021	0.132	0.368	0.018	0.074	0.474	0.014	0.063	0.216	0.053	0.109	0.558	No	
	Front	0.000	0.134	0.289	0.026	0.072	0.133	0.000	0.041	0.175	0.026	0.072	0.174	No	

14.3 Hotspot SAR Simultaneous Transmission Analysis.

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)															
Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
EVDO BC0 (\$22H)	Rear	0.815	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.106	1.526	1.379	0.930	No	
	Front	0.710	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.948	1.235	0.978	0.777	No	
	Left	0.117	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.519	0.229	0.708	0.120	No	
	Right	0.306								0.306	0.306	0.306	0.306	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.387								0.387	0.387	0.387	0.387	No	
PCS CDMA	Rear	0.519	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.810	1.230	1.083	0.634	No	
	Front	0.472	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.710	0.997	0.740	0.539	No	
	Left	0.086	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.488	0.198	0.677	0.089	No	
	Right	0.070								0.070	0.070	0.070	0.070	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	1.097								1.097	1.097	1.097	1.097	No	
EVDO BC10 (\$90S)	Rear	0.736	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.027	1.447	1.300	0.851	No	
	Front	0.570	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.808	1.095	0.838	0.637	No	
	Left	0.134	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.536	0.246	0.725	0.137	No	
	Right	0.316								0.316	0.316	0.316	0.316	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.403								0.403	0.403	0.403	0.403	No	
GPRS 850	Rear	0.761	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.052	1.472	1.325	0.876	No	
	Front	0.676	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.914	1.201	0.944	0.743	No	
	Left	0.140	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.542	0.252	0.731	0.143	No	
	Right	0.515								0.515	0.515	0.515	0.515	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.604								0.604	0.604	0.604	0.604	No	
GPRS 1900	Rear	0.293	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.584	1.004	0.857	0.408	No	
	Front	0.268	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.506	0.793	0.536	0.335	No	
	Left	0.057	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.459	0.169	0.648	0.060	No	
	Right	0.034								0.034	0.034	0.034	0.034	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.517								0.517	0.517	0.517	0.517	No	
UMTS Band 5	Rear	0.789	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.080	1.500	1.353	0.904	No	
	Front	0.527	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.765	1.052	0.795	0.594	No	
	Left	0.154	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.556	0.266	0.745	0.157	No	
	Right	0.522								0.522	0.522	0.522	0.522	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.539								0.539	0.539	0.539	0.539	No	
UMTS Band 4	Rear	0.296	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.587	1.007	0.860	0.411	No	
	Front	0.334	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.572	0.859	0.602	0.401	No	
	Left	0.081	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.483	0.193	0.672	0.084	No	
	Right	0.058								0.058	0.058	0.058	0.058	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.679								0.679	0.679	0.679	0.679	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
UMTS Band 2	Rear	0.428	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.719	1.139	0.992	0.543	No	
	Front	0.518	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.756	1.043	0.786	0.585	No	
	Left	0.086	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.488	0.198	0.677	0.089	No	
	Right	0.066								0.066	0.066	0.066	0.066	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	1.103								1.103	1.103	1.103	1.103	No	
LTE Band 7	Rear	0.548	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.839	1.259	1.112	0.663	No	
	Front	0.411	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.649	0.936	0.679	0.478	No	
	Left	0.246	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.648	0.358	0.837	0.249	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.709								0.709	0.709	0.709	0.709	No	
LTE Band 12	Rear	0.367	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.658	1.078	0.931	0.482	No	
	Front	0.262	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.500	0.787	0.530	0.329	No	
	Left	0.112	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.514	0.224	0.703	0.115	No	
	Right	0.201								0.201	0.201	0.201	0.201	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.256								0.256	0.256	0.256	0.256	No	
LTE Band 13	Rear	0.733	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.024	1.444	1.297	0.848	No	
	Front	0.517	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.755	1.042	0.785	0.584	No	
	Left	0.147	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.549	0.259	0.738	0.150	No	
	Right	0.437								0.437	0.437	0.437	0.437	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.425								0.425	0.425	0.425	0.425	No	
LTE Band 14	Rear	0.612	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.903	1.323	1.176	0.727	No	
	Front	0.607	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.845	1.132	0.875	0.674	No	
	Left	0.188	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.590	0.300	0.779	0.191	No	
	Right	0.577								0.577	0.577	0.577	0.577	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.503								0.503	0.503	0.503	0.503	No	
LTE Band 25	Rear	0.441	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.732	1.152	1.005	0.556	No	
	Front	0.422	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.660	0.947	0.690	0.489	No	
	Left	0.080	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.482	0.192	0.671	0.083	No	
	Right	0.060								0.060	0.060	0.060	0.060	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.796								0.796	0.796	0.796	0.796	No	
LTE Band 26 (5)	Rear	0.750	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.041	1.461	1.314	0.865	No	
	Front	0.607	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.845	1.132	0.875	0.674	No	
	Left	0.106	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.508	0.218	0.697	0.109	No	
	Right	0.203								0.203	0.203	0.203	0.203	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.309								0.309	0.309	0.309	0.309	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
LTE Band 30	Rear	0.373	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.664	1.084	0.937	0.488	No	
	Front	0.376	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.614	0.901	0.644	0.443	No	
	Left	0.101	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.503	0.213	0.692	0.104	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	1.010								1.010	1.010	1.010	1.010	No	
LTE Band 40 Low	Rear	0.081	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.372	0.792	0.645	0.196	No	
	Front	0.075	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.313	0.600	0.343	0.142	No	
	Left	0.017	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.419	0.129	0.608	0.020	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.152								0.152	0.152	0.152	0.152	No	
LTE Band 40 Upper	Rear	0.077	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.368	0.788	0.641	0.192	No	
	Front	0.089	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.327	0.614	0.357	0.156	No	
	Left	0.017	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.419	0.129	0.608	0.020	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.170								0.170	0.170	0.170	0.170	No	
LTE Band 41 (PC3)	Rear	0.432	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.723	1.143	0.996	0.547	No	
	Front	0.295	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.533	0.820	0.563	0.362	No	
	Left	0.201	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.603	0.313	0.792	0.204	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.529								0.529	0.529	0.529	0.529	No	
LTE Band 41 (PC2)	Rear	0.351	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.642	1.062	0.915	0.466	No	
	Front	0.264	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.502	0.789	0.532	0.331	No	
	Left	0.151	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.553	0.263	0.742	0.154	No	
	Right									0.000	0.000	0.000	0.000	No	
	Bottom		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.565								0.565	0.565	0.565	0.565	No	
LTE Band 48	Rear	0.237	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.528	0.948	0.801	0.352	No	
	Front	0.222	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.460	0.747	0.490	0.289	No	
	Left	0.232	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.634	0.344	0.823	0.235	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top	0.303	0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.390	1.398	0.621	0.474	No	
	Bottom									0.000	0.000	0.000	0.000	No	
LTE Band 66	Rear	0.534	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.825	1.245	1.098	0.649	No	
	Front	0.562	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.800	1.087	0.830	0.629	No	
	Left	0.071	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.473	0.183	0.662	0.074	No	
	Right	0.078								0.078	0.078	0.078	0.078	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.736								0.736	0.736	0.736	0.736	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
LTE Band 71	Rear	0.391	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.682	1.102	0.955	0.506	No	
	Front	0.245	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.483	0.770	0.513	0.312	No	
	Left	0.139	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.541	0.251	0.730	0.142	No	
	Right	0.225								0.225	0.225	0.225	0.225	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.208								0.208	0.208	0.208	0.208	No	
NR Band n5	Rear	0.441	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.732	1.152	1.005	0.556	No	
	Front	0.264	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.502	0.789	0.532	0.331	No	
	Left	0.034	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.436	0.146	0.625	0.037	No	
	Right	0.135								0.135	0.135	0.135	0.135	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.205								0.205	0.205	0.205	0.205	No	
NR Band n12	Rear	0.278	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.569	0.989	0.842	0.393	No	
	Front	0.175	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.413	0.700	0.443	0.242	No	
	Left	0.072	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.474	0.184	0.663	0.075	No	
	Right	0.094								0.094	0.094	0.094	0.094	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.145								0.145	0.145	0.145	0.145	No	
NR Band n25	Rear	0.625	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.916	1.336	1.189	0.740	No	
	Front	0.575	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.813	1.100	0.843	0.642	No	
	Left	0.098	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.500	0.210	0.689	0.101	No	
	Right	0.075								0.075	0.075	0.075	0.075	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	1.031								1.031	1.031	1.031	1.031	No	
NR Band n30	Rear	0.524	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.815	1.235	1.088	0.639	No	
	Front	0.559	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.797	1.084	0.827	0.626	No	
	Left	0.115	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.517	0.227	0.706	0.118	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	1.019								1.019	1.019	1.019	1.019	No	
NR Band n41 (PC3)	Rear	0.278	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.569	0.989	0.842	0.393	No	
	Front	0.289	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.527	0.814	0.557	0.356	No	
	Left	0.191	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.593	0.303	0.782	0.194	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.479								0.479	0.479	0.479	0.479	No	
NR Band n66	Rear	0.560	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.851	1.271	1.124	0.675	No	
	Front	0.580	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.818	1.105	0.848	0.647	No	
	Left	0.111	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.513	0.223	0.702	0.114	No	
	Right	0.079								0.079	0.079	0.079	0.079	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	1.043								1.043	1.043	1.043	1.043	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
NR Band n71	Rear	0.330	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.621	1.041	0.894	0.445	No	
	Front	0.205	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.443	0.730	0.473	0.272	No	
	Left	0.101	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.503	0.213	0.692	0.104	No	
	Right	0.192								0.192	0.192	0.192	0.192	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.180								0.180	0.180	0.180	0.180	No	
NR Band n77 (PC3)	Rear	0.242	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.533	0.953	0.806	0.357	No	
	Front	0.253	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.491	0.778	0.521	0.320	No	
	Left	0.190	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.592	0.302	0.781	0.193	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top	0.326	0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.413	1.421	0.644	0.497	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 (PC3) DoD	Rear	0.236	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.527	0.947	0.800	0.351	No	
	Front	0.178	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.416	0.703	0.446	0.245	No	
	Left	0.190	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.592	0.302	0.781	0.193	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top	0.446	0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.533	1.541	0.764	0.617	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 SRS #2 (PC3)	Rear	0.012	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.303	0.723	0.576	0.127	No	
	Front	0.000	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.238	0.525	0.268	0.067	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.402	0.112	0.591	0.003	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.018								0.018	0.018	0.018	0.018	No	
NR Band n77 SRS #3 (PC3)	Rear	0.006	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.297	0.717	0.570	0.121	No	
	Front	0.006	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.244	0.531	0.274	0.073	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.402	0.112	0.591	0.003	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 SRS #4 (PC3)	Rear	0.243	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.534	0.954	0.807	0.358	No	
	Front	0.000	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.238	0.525	0.268	0.067	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.402	0.112	0.591	0.003	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.018								0.018	0.018	0.018	0.018	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2	1+3	1+6	1+8		
NR Band n77 SRS #2 DoD (PC3)	Rear	0.011	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.302	0.722	0.575	0.126	No	
	Front	0.032	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.270	0.557	0.300	0.099	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.402	0.112	0.591	0.003	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.015								0.015	0.015	0.015	0.015	No	
NR Band n77 SRS #3 DoD (PC3)	Rear	0.007	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.298	0.718	0.571	0.122	No	
	Front	0.002	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.240	0.527	0.270	0.069	No	
	Left	0.007	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.409	0.119	0.598	0.010	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 SRS #4 DoD (PC3)	Rear	0.107	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.398	0.818	0.671	0.222	No	
	Front	0.000	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.238	0.525	0.268	0.067	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.402	0.112	0.591	0.003	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.087	1.095	0.318	0.171	No	
	Bottom	0.000								0.000	0.000	0.000	0.000	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	Σ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
EVDO BC0 (\$22H)	Rear	0.815	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.221	0.940	1.042	1.494	No	
	Front	0.710	0.238	0.525	0.059	0.106	0.268	0.043	0.067	1.015	0.812	0.859	1.045	No	
	Left	0.117	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.522	0.280	0.313	0.711	No	
	Right	0.306								0.306	0.306	0.306	0.306	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.387								0.387	0.387	0.387	0.387	No	
PCS CDMA	Rear	0.519	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.925	0.644	0.746	1.198	No	
	Front	0.472	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.777	0.574	0.621	0.807	No	
	Left	0.086	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.491	0.249	0.282	0.680	No	
	Right	0.070								0.070	0.070	0.070	0.070	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	1.097								1.097	1.097	1.097	1.097	No	
EVDO BC10 (\$90S)	Rear	0.736	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.142	0.861	0.963	1.415	No	
	Front	0.570	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.875	0.672	0.719	0.905	No	
	Left	0.134	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.539	0.297	0.330	0.728	No	
	Right	0.316								0.316	0.316	0.316	0.316	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.403								0.403	0.403	0.403	0.403	No	
GPRS 850	Rear	0.761	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.167	0.886	0.988	1.440	No	
	Front	0.676	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.981	0.778	0.825	1.011	No	
	Left	0.140	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.545	0.303	0.336	0.734	No	
	Right	0.515								0.515	0.515	0.515	0.515	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.604								0.604	0.604	0.604	0.604	No	
GPRS 1900	Rear	0.293	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.699	0.418	0.520	0.972	No	
	Front	0.268	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.573	0.370	0.417	0.603	No	
	Left	0.057	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.462	0.220	0.253	0.651	No	
	Right	0.034								0.034	0.034	0.034	0.034	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.517								0.517	0.517	0.517	0.517	No	
UMTS Band 5	Rear	0.789	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.195	0.914	1.016	1.468	No	
	Front	0.527	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.832	0.629	0.676	0.862	No	
	Left	0.154	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.559	0.317	0.350	0.748	No	
	Right	0.522								0.522	0.522	0.522	0.522	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.539								0.539	0.539	0.539	0.539	No	
UMTS Band 4	Rear	0.296	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.702	0.421	0.523	0.975	No	
	Front	0.334	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.639	0.436	0.483	0.669	No	
	Left	0.081	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.486	0.244	0.277	0.675	No	
	Right	0.058								0.058	0.058	0.058	0.058	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.679								0.679	0.679	0.679	0.679	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
UMTS Band 2	Rear	0.428	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.834	0.553	0.655	1.107	No	
	Front	0.518	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.823	0.620	0.667	0.853	No	
	Left	0.086	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.491	0.249	0.282	0.680	No	
	Right	0.066								0.066	0.066	0.066	0.066	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	1.103								1.103	1.103	1.103	1.103	No	
LTE Band 7	Rear	0.548	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.954	0.673	0.775	1.227	No	
	Front	0.411	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.716	0.513	0.560	0.746	No	
	Left	0.246	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.651	0.409	0.442	0.840	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.709								0.709	0.709	0.709	0.709	No	
LTE Band 12	Rear	0.367	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.773	0.492	0.594	1.046	No	
	Front	0.262	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.567	0.364	0.411	0.597	No	
	Left	0.112	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.517	0.275	0.308	0.706	No	
	Right	0.201								0.201	0.201	0.201	0.201	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.256								0.256	0.256	0.256	0.256	No	
LTE Band 13	Rear	0.733	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.139	0.858	0.960	1.412	No	
	Front	0.517	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.822	0.619	0.666	0.852	No	
	Left	0.147	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.552	0.310	0.343	0.741	No	
	Right	0.437								0.437	0.437	0.437	0.437	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.425								0.425	0.425	0.425	0.425	No	
LTE Band 14	Rear	0.612	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.018	0.737	0.839	1.291	No	
	Front	0.607	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.912	0.709	0.756	0.942	No	
	Left	0.188	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.593	0.351	0.384	0.782	No	
	Right	0.577								0.577	0.577	0.577	0.577	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.503								0.503	0.503	0.503	0.503	No	
LTE Band 25	Rear	0.441	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.847	0.566	0.668	1.120	No	
	Front	0.422	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.727	0.524	0.571	0.757	No	
	Left	0.080	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.485	0.243	0.276	0.674	No	
	Right	0.060								0.060	0.060	0.060	0.060	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.796								0.796	0.796	0.796	0.796	No	
LTE Band 26 (5)	Rear	0.750	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.156	0.875	0.977	1.429	No	
	Front	0.607	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.912	0.709	0.756	0.942	No	
	Left	0.106	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.511	0.269	0.302	0.700	No	
	Right	0.203								0.203	0.203	0.203	0.203	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.309								0.309	0.309	0.309	0.309	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
LTE Band 30	Rear	0.373	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.779	0.498	0.600	1.052	No	
	Front	0.376	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.681	0.478	0.525	0.711	No	
	Left	0.101	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.506	0.264	0.297	0.695	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	1.010								1.010	1.010	1.010	1.010	No	
LTE Band 40 Low	Rear	0.081	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.487	0.206	0.308	0.760	No	
	Front	0.075	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.380	0.177	0.224	0.410	No	
	Left	0.017	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.422	0.180	0.213	0.611	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.152								0.152	0.152	0.152	0.152	No	
LTE Band 40 Upper	Rear	0.077	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.483	0.202	0.304	0.756	No	
	Front	0.089	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.394	0.191	0.238	0.424	No	
	Left	0.017	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.422	0.180	0.213	0.611	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.170								0.170	0.170	0.170	0.170	No	
LTE Band 41 (PC3)	Rear	0.432	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.838	0.557	0.659	1.111	No	
	Front	0.295	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.600	0.397	0.444	0.630	No	
	Left	0.201	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.606	0.364	0.397	0.795	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.529								0.529	0.529	0.529	0.529	No	
LTE Band 41 (PC2)	Rear	0.351	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.757	0.476	0.578	1.030	No	
	Front	0.264	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.569	0.366	0.413	0.599	No	
	Left	0.151	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.556	0.314	0.347	0.745	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.565								0.565	0.565	0.565	0.565	No	
LTE Band 48	Rear	0.237	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.643	0.362	0.464	0.916	No	
	Front	0.222	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.527	0.324	0.371	0.557	No	
	Left	0.232	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.637	0.395	0.428	0.826	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top	0.303	0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.561	0.324	0.690	0.792	No	
	Bottom									0.000	0.000	0.000	0.000	No	
LTE Band 66	Rear	0.534	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.940	0.659	0.761	1.213	No	
	Front	0.562	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.867	0.664	0.711	0.897	No	
	Left	0.071	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.476	0.234	0.267	0.665	No	
	Right	0.078								0.078	0.078	0.078	0.078	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.736								0.736	0.736	0.736	0.736	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO RCV	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
LTE Band 71	Rear	0.391	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.797	0.516	0.618	1.070	No	
	Front	0.245	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.550	0.347	0.394	0.580	No	
	Left	0.139	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.544	0.302	0.335	0.733	No	
	Right	0.225								0.225	0.225	0.225	0.225	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.208								0.208	0.208	0.208	0.208	No	
NR Band n5	Rear	0.441	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.847	0.566	0.668	1.120	No	
	Front	0.264	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.569	0.366	0.413	0.599	No	
	Left	0.034	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.439	0.197	0.230	0.628	No	
	Right	0.135								0.135	0.135	0.135	0.135	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.205								0.205	0.205	0.205	0.205	No	
NR Band n12	Rear	0.278	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.684	0.403	0.505	0.957	No	
	Front	0.175	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.480	0.277	0.324	0.510	No	
	Left	0.072	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.477	0.235	0.268	0.666	No	
	Right	0.094								0.094	0.094	0.094	0.094	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.145								0.145	0.145	0.145	0.145	No	
NR Band n25	Rear	0.625	0.291	0.711	0.044	0.146	0.564	0.081	0.115	1.031	0.750	0.852	1.304	No	
	Front	0.575	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.880	0.677	0.724	0.910	No	
	Left	0.098	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.503	0.261	0.294	0.692	No	
	Right	0.075								0.075	0.075	0.075	0.075	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	1.031								1.031	1.031	1.031	1.031	No	
NR Band n30	Rear	0.524	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.930	0.649	0.751	1.203	No	
	Front	0.559	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.864	0.661	0.708	0.894	No	
	Left	0.115	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.520	0.278	0.311	0.709	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	1.019								1.019	1.019	1.019	1.019	No	
NR Band n41 (PC3)	Rear	0.278	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.684	0.403	0.505	0.957	No	
	Front	0.289	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.594	0.391	0.438	0.624	No	
	Left	0.191	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.596	0.354	0.387	0.785	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.479								0.479	0.479	0.479	0.479	No	
NR Band n66	Rear	0.560	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.966	0.685	0.787	1.239	No	
	Front	0.580	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.885	0.682	0.729	0.915	No	
	Left	0.111	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.516	0.274	0.307	0.705	No	
	Right	0.079								0.079	0.079	0.079	0.079	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	1.043								1.043	1.043	1.043	1.043	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
NR Band n71	Rear	0.330	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.736	0.455	0.557	1.009	No	
	Front	0.205	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.510	0.307	0.354	0.540	No	
	Left	0.101	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.506	0.264	0.297	0.695	No	
	Right	0.192								0.192	0.192	0.192	0.192	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.180								0.180	0.180	0.180	0.180	No	
NR Band n77 (PC3)	Rear	0.242	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.648	0.367	0.469	0.921	No	
	Front	0.253	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.558	0.355	0.402	0.588	No	
	Left	0.190	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.595	0.353	0.386	0.784	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top	0.326	0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.584	0.347	0.713	0.815	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 (PC3) DoD	Rear	0.236	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.642	0.361	0.463	0.915	No	
	Front	0.178	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.483	0.280	0.327	0.513	No	
	Left	0.190	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.595	0.353	0.386	0.784	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top	0.446	0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.704	0.467	0.833	0.935	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 SRS #2 (PC3)	Rear	0.012	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.418	0.137	0.239	0.691	No	
	Front	0.000	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.305	0.102	0.149	0.335	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.405	0.163	0.196	0.594	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.018								0.018	0.018	0.018	0.018	No	
NR Band n77 SRS #3 (PC3)	Rear	0.006	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.412	0.131	0.233	0.685	No	
	Front	0.006	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.311	0.108	0.155	0.341	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.405	0.163	0.196	0.594	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 SRS #4 (PC3)	Rear	0.243	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.649	0.368	0.470	0.922	No	
	Front	0.000	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.305	0.102	0.149	0.335	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.405	0.163	0.196	0.594	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.018								0.018	0.018	0.018	0.018	No	

Simultaneous Transmission Scenario with 2.4 GHz WLAN (10mm)

Band		WWAN SAR	2.4 GHz WLAN Ant.2	2.4 GHz WLAN MIMO	2.4 GHz WLAN Ant.2 RSDB	2.4 GHz WLAN MIMO RSDB	5 GHz WLAN MIMO	5 GHz WLAN MIMO RSDB	BT	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	∑ 1-g SAR	SPLSR	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)
		1	2	3	4	5	6	7	8	1+2+8	1+4+7	1+5+7	1+6+8		
NR Band n77 SRS #2 DoD (PC3)	Rear	0.011	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.417	0.136	0.238	0.690	No	
	Front	0.032	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.337	0.134	0.181	0.367	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.405	0.163	0.196	0.594	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.015								0.015	0.015	0.015	0.015	No	
NR Band n77 SRS #3 DoD (PC3)	Rear	0.007	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.413	0.132	0.234	0.686	No	
	Front	0.002	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.307	0.104	0.151	0.337	No	
	Left	0.007	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.412	0.170	0.203	0.601	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom									0.000	0.000	0.000	0.000	No	
NR Band n77 SRS #4 DoD (PC3)	Rear	0.107	0.291	0.711	0.044	0.146	0.564	0.081	0.115	0.513	0.232	0.334	0.786	No	
	Front	0.000	0.238	0.525	0.059	0.106	0.268	0.043	0.067	0.305	0.102	0.149	0.335	No	
	Left	0.000	0.402	0.112	0.103	0.136	0.591	0.060	0.003	0.405	0.163	0.196	0.594	No	
	Right									0.000	0.000	0.000	0.000	No	
	Top		0.087	1.095	0.019	0.385	0.318	0.002	0.171	0.258	0.021	0.387	0.489	No	
	Bottom	0.000								0.000	0.000	0.000	0.000	No	

14.4 Phablet SAR Simultaneous Transmission Analysis

Simultaneous Transmission Scenario with 5G WLAN Phablet					
Band		WWAN SAR	5 GHz MIMO MAX	Σ 1-g SAR	SPLSR
		(W/kg)	(W/kg)	(W/kg)	
		1	2	1+2	(Yes/No)
PCS CDMA	Rear	1.401	1.086	2.487	No
	Front	1.757	1.012	2.769	No
	Left	0.703	1.346	2.049	No
	Right	0.653		0.653	No
	Top		0.679	0.679	No
	Bottom	2.335		2.335	No
UMTS Band 4	Rear	1.486	1.086	2.572	No
	Front	1.893	1.012	2.905	No
	Left	0.540	1.346	1.886	No
	Right	0.573		0.573	No
	Top		0.679	0.679	No
	Bottom	1.433		1.433	No
UMTS Band 2	Rear	1.198	1.086	2.284	No
	Front	1.813	1.012	2.825	No
	Left	0.725	1.346	2.071	No
	Right	0.535		0.535	No
	Top		0.679	0.679	No
	Bottom	1.433		1.433	No
LTE Band 7	Rear	1.532	1.086	2.618	No
	Front	1.263	1.012	2.275	No
	Left	1.368	1.346	2.714	No
	Right			0.000	No
	Top		0.679	0.679	No
	Bottom	2.201		2.201	No
LTE Band 25	Rear	1.524	1.086	2.610	No
	Front	1.859	1.012	2.871	No
	Left	0.678	1.346	2.024	No
	Right	0.507		0.507	No
	Top		0.679	0.679	No
	Bottom	1.896		1.896	No
LTE Band 30	Rear	1.254	1.086	2.340	No
	Front	0.911	1.012	1.923	No
	Left	0.687	1.346	2.033	No
	Right			0.000	No
	Top		0.679	0.679	No
	Bottom	1.401		1.401	No
LTE Band 41	Rear	1.230	1.086	2.316	No
	Front	0.782	1.012	1.794	No
	Left	1.049	1.346	2.395	No
	Right			0.000	No
	Top		0.679	0.679	No
	Bottom	1.144		1.144	No
LTE Band 66	Rear	2.163	1.086	3.249	No
	Front	2.306	1.012	3.318	No
	Left	0.393	1.346	1.739	No
	Right	0.409		0.409	No
	Top		0.679	0.679	No
	Bottom	2.281		2.281	No

Simultaneous Transmission Scenario with 5G WLAN Phablet					
Band		WWAN SAR (W/kg)	5 GHz MIMO MAX	\sum 1-g SAR (W/kg)	SPLSR
		(W/kg)	(W/kg)	(W/kg)	
		1	2	1+2	(Yes/No)
NR Band n25	Rear	1.437	1.086	2.523	No
	Front	1.747	1.012	2.759	No
	Left	0.934	1.346	2.280	No
	Right	0.475		0.475	No
	Top		0.679	0.679	No
	Bottom	1.409		1.409	No
NR Band n30	Rear	1.398	1.086	2.484	No
	Front	1.550	1.012	2.562	No
	Left	1.058	1.346	2.404	No
	Right			0.000	No
	Top		0.679	0.679	No
	Bottom	1.417		1.417	No
NR Band n41	Rear	1.164	1.086	2.250	No
	Front	1.415	1.012	2.427	No
	Left	0.453	1.346	1.799	No
	Right			0.000	No
	Top		0.679	0.679	No
	Bottom	1.805		1.805	No
NR Band n66	Rear	1.704	1.086	2.790	No
	Front	2.115	1.012	3.127	No
	Left	0.638	1.346	1.984	No
	Right	0.377		0.377	No
	Top		0.679	0.679	No
	Bottom	2.444		2.444	No
NR Band n77	Rear	1.260	1.086	2.346	No
	Front	1.539	1.012	2.551	No
	Left		1.346	1.346	No
	Right			0.000	No
	Top	0.900	0.679	1.579	No
	Bottom			0.000	No
NR Band n77 (DoD)	Rear	0.687	1.086	1.773	No
	Front		1.012	1.012	No
	Left		1.346	1.346	No
	Right			0.000	No
	Top	0.737	0.679	1.416	No
	Bottom			0.000	No

14.7 Simultaneous Transmission Conclusion

The above numerical summed SAR Results are sufficient to determine that simultaneous transmission cases will not exceed the SAR Limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE1528-2013.

15. SAR Measurement Variability and Uncertainty

In accordance with KDB procedure 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz, SAR additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement variability was assessed using the following procedures for each frequency band:

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg for 1g SAR or < 2.0 W/kg for 10g SAR; steps 2) through 4) do not apply.
- 2) When the original highest measured 1g SAR is ≥ 0.80 W/kg or 10g SAR ≥ 2.0 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg for 1g SAR or ≥ 3.625 W/kg for 10g SAR (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg for 1g SAR or ≥ 3.75 W/kg for 10g SAR and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Body-Worn SAR measurement variability Results

Frequency		Mode/Band	Configuration	Measured SAR (W/kg)	Repeated SAR (W/kg)	SAR Ratio
Mhz	Channel					
1 908.75	1175	PCS CDMA	Rear	0.918	0.900	1.02

Hotspot SAR measurement variability Results

Frequency		Mode/Band	Configuration	Measured SAR (W/kg)	Repeated SAR (W/kg)	SAR Ratio
Mhz	Channel					
1 880.0	600	PCS CDMA	Bottom	0.927	0.797	1.16
1 907.6	9538	UMTS Band 2	Bottom	0.976	0.932	1.05
2 310.0	27710	LTE Band 30	Bottom (25RB, 12Offset)	0.806	0.804	1.00
1 745.0	349000	NR Band n66	Bottom	0.900	0.824	1.09
2 412	1	2.4 GHz WLAN (MIMO)	Top	0.822	0.819	1.00

Phablet SAR measurement variability Results

Frequency		Mode/Band	Configuration	Measured SAR (W/kg)	Repeated SAR (W/kg)	SAR Ratio
Mhz	Channel					
1 880.0	600	PCS CDMA	Bottom	2.100	1.830	1.15

16. Antenna Impedance tuner testing

Per April 2019 TCB Workshop Notes, the following test procedures were followed to demonstrate that the SAR results in Section 11 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR was measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Per FCC Guidance, during NR testing the device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency. Additional single point SAR time-sweep measurements were evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence on the antenna characteristics, other than impedance matching.

To evaluate all the tuner states, the 60 tuner states were divided among the aggregate band, mode and exposure combinations. Single point time-sweep measurements were performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state was able to be established remotely so that the device was not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe remained stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 1g SAR was > 1.2 W/kg for a particular band/mode/exposure condition, point SAR measurements were made for all 60 states.

The operational description contains more information about the design and implementation of the dynamic antenna tuning.

14.1 Head SAR Configuration

CDMA BC10		CDMA BC0		CDMA BC1		UMTS B5	
CDMA		CDMA		PCS CDMA		RMC	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Left Cheek	Test Position	Left Cheek
Frequency (MHz)	820	Frequency (MHz)	836.52	Frequency (MHz)	1880	Frequency (MHz)	836.6
Channel	560	Channel	384	Channel	600	Channel	4183
Measured 1g SAR(W/kg)	0.153	Measured 1g SAR(W/kg)	0.198	Measured 1g SAR(W/kg)	0.203	Measured 1g SAR(W/kg)	0.098
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 111)	0.195	Auto-tune (State 111)	0.255	Auto-tune (State 115)	0.341	Auto-tune (State 1)	0.18
Default (State 0)	0.188	Default (State 0)	0.252	Default (State 0)	0.337	Default (State 0)	0.119
State 33	0.145	State 52	0.146	State 8	0.281	State 2	0.125
State 80	0.12	State 66	0.139	State 24	0.124	State 9	0.098
State 86	0.005	State 75	0.221	State 43	0.302	State 66	0.051
State 108	0.191	State 99	0.071	State 72	0.119	State 83	0.111
State 112	0.103	State 113	0.239	State 88	0.33	State 103	0.157
State 119	0.114	State 116	0.243	State 112	0.336	State 119	0.169

UMTS B4		UMTS B2		LTE B71		LTE B12	
RMC		RMC		QPSK, 20 MHz, 1 RB, 49 RB Offset		QPSK, 10 MHz, 1 RB, 0 RB Offset0.	
Test Position	Left Cheek	Test Position	Left Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	1732.4	Frequency (MHz)	1880	Frequency (MHz)	680.5	Frequency (MHz)	707.5
Channel	1412	Channel	9400	Channel	133297	Channel	23095
Measured 1g SAR(W/kg)	0.165	Measured 1g SAR(W/kg)	0.2	Measured 1g SAR(W/kg)	0.119	Measured 1g SAR(W/kg)	0.114
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 51)	0.303	Auto-tune (State 112)	0.311	Auto-tune (State 4)	0.136	Auto-tune (State 4)	0.13
Default (State 0)	0.272	Default (State 0)	0.269	Default (State 0)	0.124	Default (State 0)	0.122
State 4	0.135	State 41	0.077	State 0	0.115	State 5	0.119
State 18	0.115	State 69	0.211	State 11	0.052	State 35	0.005
State 40	0.099	State 95	0.098	State 14	0.103	State 37	0.042
State 63	0.11	State 109	0.156	State 28	0.096	State 54	0.118
State 82	0.151	State 114	0.215	State 57	0.088	State 84	0.122
State 112	0.087	State 115	0.199	State 70	0.115	State 101	0.098
				State 97	0.098	State 118	0.119

LTE B13		LTE B14		LTE B26/5		LTE B66/4	
QPSK, 10 MHz, 1 RB,0 RB Offset		QPSK, 10 MHz, 1 RB, 24 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 0RB offset		QPSK, 20 MHz, 1 RB, 0 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Left Cheek
Frequency (MHz)	782	Frequency (MHz)	793	Frequency (MHz)	831.6	Frequency (MHz)	1770
Channel	23230	Channel	23330	Channel	26865	Channel	132572
Measure 1g SAR (W/kg)	0.18	Measure 1g SAR(W/kg)	0.225	Measured 1g SAR(W/kg)	0.187	Measured 1g SAR(W/kg)	0.28
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 1)	0.218	Auto-tune (State 4)	0.272	Auto-tune (State 4)	0.239	Auto-tune (State 51)	0.447
Default (State 0)	0.190	Default (State 0)	0.243	Default (State 0)	0.237	Default (State 0)	0.333
State 0	0.212	State 12	0.047	State 19	0.222	State 3	0.337
State 32	0.142	State 15	0.242	State 30	0.106	State 7	0.296
State 43	0.218	State 21	0.147	State 38	0.019	State 16	0.250
State 48	0.082	State 44	0.148	State 62	0.141	State 34	0.287
State 77	0.108	State 66	0.138	State 82	0.151	State 37	0.270
State 93	0.217	State 106	0.249	State 94	0.182	State 49	0.401
State 113	0.184	State 112	0.241	State 112	0.216	State 109	0.259

NR Band n66		NR Band n2/25		GSM850		GSM1900	
DFT-s-OFDM QPSK, 40 MHz, 108RB, 54 RB		DFT-s-OFDM QPSK, 40 MHz, 108RB, 54RB offset		GPRS 2Tx		GPRS 3Tx	
Test Position	Left Cheek	Test Position	Left Cheek	Test Position	Right Cheek	Test Position	Left Cheek
Frequency (MHz)	1745	Frequency (MHz)	1882.5	Frequency (MHz)	836.6	Frequency (MHz)	1880
Channel	349000	Channel	376500	Channel	190	Channel	661
Measured 1g SAR (W/kg)	0.176	Measured 1g SAR (W/kg)	0.134	Measured 1g SAR (W/kg)	0.27	Measured 1g SAR (W/kg)	0.073
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 51)	0.216	Auto-tune (State 115)	0.226	Auto-tune (State 1)	0.353	Auto-tune (State 115)	0.125
Default (State 0)	0.179	Default (State 0)	0.225	Default (State 0)	0.300	Default (State 0)	0.125
State 7	0.155	State 9	0.195	State 33	0.121	State 52	0.001
State 12	0.151	State 13	0.158	State 80	0.191	State 66	-0.038
State 27	0.209	State 25	0.045	State 86	0.127	State 75	0.016
State 45	0.191	State 47	0.194	State 108	0.261	State 99	0.026
State 54	0.169	State 65	0.177	State 112	0.135	State 113	0.118
State 66	0.144	State 79	0.084	State 119	0.163	State 116	0.121
State 78	0.140	State 103	0.098				
State 87	0.156	State 112	0.158				

LTE B25/2		NR Band n12		NR Band n71		NR Band n5	
QPSK, 20 MHz, 1 RB, 49 RB Offset		DFT-s-OFDM QPSK, 20 MHz, 1 RB 1		DFT-s-OFDM QPSK, 20 MHz, 50 RB, 28RB offset		DFT-s-OFDM QPSK, 20 MHz, 50 RB, 23 offset	
Test Position	Left Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	1882.5	Frequency (MHz)	707.5	Frequency (MHz)	680.5	Frequency (MHz)	836.5
Channel	26365	Channel	141500	Channel	136100	Channel	167300
Measured 1g SAR(W/kg)	0.274	Measured 1g SAR(W/kg)	0.075	Measured 1g SAR(W/kg)	0.093	Measured 1g SAR(W/kg)	0.081
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 115)	0.448	Auto-tune (State 4)	0.092	Auto-tune (State 4)	0.112	Auto-tune (State 4)	0.103
Default (State 0)	0.366	Default (State 0)	0.010	Default (State 0)	0.045	Default (State 0)	0.082
State 4	0.311	State 5	0.017	State 7	0.057	State 11	0.014
State 11	0.272	State 8	0.050	State 13	0.090	State 21	0.016
State 50	0.182	State 14	0.037	State 24	0.053	State 62	0.036
State 71	0.271	State 56	0.057	State 48	0.065	State 66	0.046
State 100	0.190	State 70	0.091	State 65	0.102	State 81	0.018
State 107	0.331	State 87	0.088	State 89	0.095	State 92	0.030
State 112	0.379	State 104	0.023	State 107	0.048	State 108	0.071
		State 114	0.015	State 119	0.056	State 116	0.015

14.2 Body SAR Configuration

GSM850		GSM1900		CDMA BC10		CDMA BC0	
GPRS 2Tx		GPRS 3Tx		EVDO Rev.0		EVDO Rev.0	
Test Position	Rear Side	Test Position	Front	Test Position	Rear Side	Test Position	Rear Side
Spacing	10 mm	Spacing	15 mm	Spacing	10 mm	Spacing	10 mm
Frequency (MHz)	836.6	Frequency (MHz)	1880	Frequency (MHz)	820	Frequency (MHz)	836.52
Channel	190	Channel	661	Channel	560	Channel	384
Measured 1g SAR (W/kg)	0.616	Measured 1g SAR (W/kg)	0.425	Measured 1g SAR (W/kg)	0.533	Measured 1g SAR (W/kg)	0.698
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 111)	1.1	Auto-tune (State 115)	0.747	Auto-tune (State 111)	0.977	Auto-tune (State 111)	1.17
Default (State 0)	0.984	Default (State 0)	0.723	Default (State 0)	0.932	Default (State 0)	1.028
State 12	0.298	State 37	0.212	State 23	0.254	State 33	0.589
State 28	0.847	State 69	0.733	State 29	0.739	State 66	0.970
State 40	0.721	State 70	0.597	State 42	0.685	State 67	0.950
State 57	0.591	State 75	0.319	State 58	0.555	State 72	0.657
State 99	0.297	State 81	0.697	State 102	0.129	State 79	0.927
State 114	1.082	State 108	0.686	State 112	0.962	State 110	0.976

UMTS B5		LTE B71		LTE B12		LTE B13	
RMC		QPSK, 20 MHz Bandwidth, 1 RB, 49RB offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB offset		QPSK, 10 MHz Bandwidth, 1 RB, 49 RB	
Test Position	Rear Side	Test Position	Rear Side	Test Position	Rear Side	Test Position	Rear Side
Spacing	10 mm	Spacing	10 mm	Spacing	10 mm	Spacing	10 mm
Frequency (MHz)	836.6	Frequency (MHz)	680.5	Frequency (MHz)	707.5	Frequency (MHz)	782
Channel	4183	Channel	133297	Channel	23095	Channel	23230
Measured 1g SAR	0.621	Measured 1g SAR	0.311	Measured 1g SAR	0.261	Measured 1g SAR	0.537
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 2)	1.14	Auto-tune (State 4)	0.567	Auto-tune (State 4)	0.464	Auto-tune (State 1)	0.892
Default (State 0)	0.989	Default (State 0)	0.58	Default (State 0)	0.431	Default (State 0)	0.766
State 1	0.907	State 3	0.492	State 5	0.443	State 2	0.826
State 6	0.640	State 22	0.164	State 13	0.115	State 6	0.198
State 17	0.877	State 25	0.08	State 30	0.031	State 50	0.270
State 44	0.865	State 61	0.191	State 47	0.142	State 55	0.533
State 112	1.130	State 90	0.098	State 65	0.049	State 88	0.270
State 117	0.946	State 98	0.108	State 109	0.059	State 106	0.834

LTE B14		LTE B26		NR Band n12	
QPSK, 10 MHz Bandwidth, 1 RB, 24RB		QPSK, 15 MHz Bandwidth, 36RB, 18RB offset		DFT-s-OFDM QPSK, 15 MHz Bandwidth, 36RB 22RB offset	
Test Position	Rear Side	Test Position	Rear Side	Test Position	Rear Side
Spacing	10 mm	Spacing	10 mm	Spacing	10 mm
Frequency (MHz)	793	Frequency (MHz)	831.5	Frequency (MHz)	707.5
Channel	23330	Channel	26865	Channel	141500
Measured 1g SAR	0.65	Measured 1g SAR	0.525	Measured 1g SAR	0.212
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 4)	1.08	Auto-tune (State 4)	0.894	Auto-tune (State 1)	0.402
Default (State 0)	0.983	Default (State 0)	0.884	Default (State 0)	0.387
State 2	0.946	State 18	0.594	State 4	0.367
State 13	0.862	State 26	0.872	State 7	0.265
State 27	0.988	State 36	0.052	State 21	0.090
State 51	0.141	State 44	0.567	State 28	0.310
State 69	0.495	State 53	0.726	State 40	0.140
State 101	0.290	State 75	0.003	State 52	0.072

NR Band n71		NR Band n5		UMTSB4		LTE B66/4	
DFT-s-OFDM QPSK, 20 MHz Bandwidth, 50RB, 28 RB offset		DFTs-OFDM QPSK, 20 MHz Bandwidth, 50RB 28RB offset		RMC		QPSK, 20 MHz Bandwidth, 1RB, 49 RB offset	
Test Position	Rear Side	Test Position	Rear Side	TestPosition	Bottom	Test Position	Bottom
Spacing	10 mm	Spacing	10 mm	Spacing	10mm	Spacing	10 mm
Frequency (MHz)	680.5	Frequency (MHz)	836.5	Frequency (MHz)	1732.4	Frequency (MHz)	1745
Channel	136100	Channel	167300	Channel	1412	Channel	132322
Measured 1g SAR	0.248	Measured 1g SAR	0.335	Measured1gSAR	0.512	Measured 1g SAR	0.513
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 1)	0.482	Auto-tune (State 4)	0.58	Auto-tune(State51)	0.965	Auto-tune (State 51)	0.942
Default (State 0)	0.480	Default (State 0)	0.526	Default (State 0)	0.955	Default (State 0)	0.931
State 3	0.125	State 5	0.053	State 33	0.574	State 42	0.302
State 10	0.463	State 15	0.555	State 45	0.233	State 46	0.105
State 20	0.132	State 24	0.084	State 55	0.917	State 57	0.936
State 27	0.475	State 29	0.541	State 62	0.438	State 69	0.225
State 43	0.046	State 38	0.046	State 78	0.794	State 81	0.745
State 46	0.359	State 66	0.557	State 83	0.632	State 92	0.883

NR Band n66		UMTSB2	
DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1RB 1RB offset		RMC	
Test Position	Back Side	TestPosition	Bottom
Spacing	10mm	Spacing	10mm
Frequency (MHz)	1745	Frequency (MHz)	1880
Channel	349000	Channel	9538
Measured 1g SAR	0.9	Measured1gSAR	0.976
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 51)	1.53	Auto-tune(State113)	1.83
Default(State0)	1.406	Default(State0)	1.611
State0	1.391	State0	1.611
State1	1.335	State1	1.375
State2	1.289	State2	1.399
State3	1.335	State3	1.215
State4	1.219	State4	1.439
State5	1.312	State5	1.402
State6	1.170	State6	1.320
State7	1.095	State7	1.305
State8	1.021	State8	1.121
State9	0.972	State9	1.082
State10	0.885	State10	0.855
State11	0.755	State11	0.895
State12	1.343	State12	1.523
State13	1.511	State13	1.591
State14	1.302	State14	1.562
State15	1.486	State15	1.546
State16	1.497	State16	1.367
State17	1.329	State17	1.539
State18	1.329	State18	1.359
State19	1.255	State19	1.205
State20	1.282	State20	1.282
State21	1.048	State21	1.088

State22	1.076	State22	1.166
State23	0.903	State23	0.923
State24	0.828	State24	0.748
State25	1.473	State25	1.623
State26	1.343	State26	1.523
State27	1.503	State27	1.573
State28	1.493	State28	1.633
State29	1.443	State29	1.473
State30	1.322	State30	1.552
State31	1.400	State31	1.530
State32	1.232	State32	1.432
State33	1.010	State33	1.080
State34	1.046	State34	1.256
State35	0.798	State35	0.858
State36	0.784	State36	1.114
State37	1.084	State37	1.164
State38	0.914	State38	0.894
State39	0.857	State39	0.757
State40	0.727	State40	0.767
State41	0.764	State41	0.754
State42	0.644	State42	0.674
State43	0.646	State43	0.666
State44	0.837	State44	0.837
State45	0.739	State45	0.769
State46	0.637	State46	0.627
State47	0.778	State47	0.818
State48	0.727	State48	0.867
State49	0.895	State49	0.815
State50	1.493	State50	1.583
State51	1.530	State51	1.533
State52	1.503	State52	1.573
State53	1.443	State53	1.513
State54	1.423	State54	1.573

State55	1.463	State55	1.553
State56	1.503	State56	1.623
State57	1.378	State57	1.418
State58	1.458	State58	1.488
State59	1.408	State59	1.458
State60	1.326	State60	1.386
State61	1.059	State61	1.179
State62	0.864	State62	0.914
State63	1.097	State63	1.207
State64	1.009	State64	1.029
State65	0.900	State65	1.130
State66	1.166	State66	1.216
State67	1.126	State67	1.196
State68	0.942	State68	1.142
State69	0.627	State69	0.807
State70	0.735	State70	0.795
State71	0.619	State71	0.819
State72	0.654	State72	0.864
State73	0.804	State73	0.754
State74	0.774	State74	0.934
State75	0.818	State75	0.898
State76	1.303	State76	1.273
State77	1.356	State77	1.386
State78	1.350	State78	1.440
State79	1.433	State79	1.463
State80	1.308	State80	1.348
State81	1.177	State81	1.267
State82	1.254	State82	1.384
State83	1.178	State83	1.108
State84	0.878	State84	0.978
State85	0.804	State85	0.834
State86	0.802	State86	0.942
State87	0.798	State87	0.818

State88	0.701	State88	0.871
State89	1.257	State89	1.447
State90	1.337	State90	1.237
State91	1.371	State91	1.381
State92	1.445	State92	1.335
State93	1.162	State93	1.162
State94	1.428	State94	1.338
State95	1.252	State95	1.252
State96	1.279	State96	1.509
State97	1.259	State97	1.249
State98	1.290	State98	1.320
State99	0.873	State99	0.973
State100	0.735	State100	0.885
State101	0.699	State101	0.919
State102	1.330	State102	1.410
State103	1.433	State103	1.533
State104	1.503	State104	1.633
State105	1.047	State105	1.197
State106	1.513	State106	1.633
State107	1.139	State107	1.139
State108	1.278	State108	1.238
State109	1.302	State109	1.342
State110	1.298	State110	1.478
State111	1.392	State111	1.482
State112	1.503	State112	1.613
State113	0.968	State113	1.830
State114	1.383	State114	1.603
State115	1.149	State115	1.513
State116	1.401	State116	1.411
State117	1.310	State117	1.360
State118	0.443	State118	0.703
State119	0.393	State119	0.793

LTEB25/2		NRBandn2/25		CDMA BC1	
QPSK, 20MHzBandwidth, 50RB, 0RB offset		CP-OFDM,QPSK, 40MHzBandwidth, 1RB, 1 RB offset		EVDO Rev.0	
Test Position	Bottom	TestPosition	Bottom	Test Position	Bottom
Spacing	10mm	Spacing	10mm	Spacing	10 mm
Frequency (MHz)	1882.5	Frequency (MHz)	1882.5	Frequency (MHz)	1880
Channel	26365	Channel	376500	Channel	600
Measured1gSAR	0.653	Measured1gSAR	0.735	Measured 1g SAR	0.927
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune(State115)	1.21	Auto-tune(State115)	1.33	Auto-tune (State 115)	1.73
Default(State0)	1.169	Default(State0)	1.257	Default(State0)	1.277
State0	1.169	State0	1.257	State0	1.277
State1	0.953	State1	1.091	State1	1.131
State2	0.897	State2	0.895	State2	1.115
State3	0.853	State3	1.021	State3	1.291
State4	1.097	State4	1.135	State4	1.115
State5	0.970	State5	1.118	State5	1.198
State6	0.768	State6	0.966	State6	1.056
State7	0.783	State7	0.951	State7	0.801
State8	0.589	State8	0.877	State8	0.897
State9	0.510	State9	0.728	State9	0.858
State10	0.503	State10	0.691	State10	0.741
State11	0.573	State11	0.531	State11	0.571
State12	1.061	State12	1.149	State12	1.239
State13	1.039	State13	1.267	State13	1.277
State14	1.020	State14	1.188	State14	1.158
State15	1.154	State15	1.252	State15	1.282
State16	0.935	State16	1.213	State16	1.303
State17	1.107	State17	1.155	State17	1.235
State18	0.827	State18	0.975	State18	1.035
State19	0.713	State19	0.891	State19	1.071
State20	0.940	State20	1.108	State20	1.108
State21	0.716	State21	0.854	State21	1.044
State22	0.554	State22	0.772	State22	1.022

State23	0.571	State23	0.539	State23	0.759
State24	0.276	State24	0.464	State24	0.624
State25	1.041	State25	1.149	State25	1.409
State26	1.141	State26	1.189	State26	1.209
State27	1.151	State27	1.219	State27	1.539
State28	1.131	State28	1.239	State28	1.449
State29	1.131	State29	1.169	State29	1.339
State30	1.070	State30	1.188	State30	1.368
State31	1.098	State31	1.186	State31	1.256
State32	0.970	State32	1.028	State32	1.048
State33	0.748	State33	0.816	State33	1.016
State34	0.814	State34	0.782	State34	0.902
State35	0.466	State35	0.624	State35	0.804
State36	0.622	State36	0.670	State36	0.630
State37	0.722	State37	0.890	State37	0.870
State38	0.402	State38	0.570	State38	0.770
State39	0.305	State39	0.433	State39	0.633
State40	0.255	State40	0.383	State40	0.583
State41	0.152	State41	0.340	State41	0.580
State42	0.342	State42	0.340	State42	0.590
State43	0.394	State43	0.472	State43	0.432
State44	0.345	State44	0.593	State44	0.663
State45	0.387	State45	0.465	State45	0.585
State46	0.165	State46	0.233	State46	0.363
State47	0.496	State47	0.594	State47	0.574
State48	0.425	State48	0.553	State48	0.703
State49	0.453	State49	0.641	State49	0.731
State50	1.171	State50	1.229	State50	1.429
State51	1.161	State51	1.319	State51	1.389
State52	1.181	State52	1.259	State52	1.399
State53	1.071	State53	1.179	State53	1.389
State54	1.001	State54	1.069	State54	1.319
State55	1.181	State55	1.299	State55	1.279
State56	1.121	State56	1.319	State56	1.369

State57	0.946	State57	1.184	State57	1.304
State58	1.136	State58	1.154	State58	1.314
State59	1.136	State59	1.044	State59	1.154
State60	0.894	State60	0.982	State60	1.162
State61	0.607	State61	0.905	State61	0.935
State62	0.642	State62	0.750	State62	0.670
State63	0.565	State63	0.863	State63	0.803
State64	0.697	State64	0.645	State64	0.895
State65	0.528	State65	0.606	State65	0.866
State66	0.644	State66	0.832	State66	1.052
State67	0.694	State67	0.672	State67	0.902
State68	0.540	State68	0.758	State68	0.838
State69	0.345	State69	0.323	State69	0.543
State70	0.353	State70	0.541	State70	0.671
State71	0.337	State71	0.305	State71	0.515
State72	0.362	State72	0.440	State72	0.470
State73	0.372	State73	0.360	State73	0.590
State74	0.512	State74	0.570	State74	0.700
State75	0.276	State75	0.464	State75	0.624
State76	0.861	State76	1.029	State76	1.109
State77	0.934	State77	0.912	State77	1.252
State78	0.818	State78	1.056	State78	1.126
State79	1.091	State79	1.159	State79	1.299
State80	0.946	State80	1.024	State80	1.014
State81	0.715	State81	0.863	State81	1.033
State82	0.882	State82	0.940	State82	1.040
State83	0.646	State83	0.784	State83	1.074
State84	0.456	State84	0.634	State84	0.784
State85	0.492	State85	0.610	State85	0.610
State86	0.450	State86	0.568	State86	0.528
State87	0.256	State87	0.524	State87	0.514
State88	0.349	State88	0.537	State88	0.597
State89	0.935	State89	1.013	State89	1.133
State90	0.825	State90	0.923	State90	1.043

State91	0.959	State91	1.077	State91	1.257
State92	0.923	State92	1.041	State92	1.181
State93	0.870	State93	0.908	State93	1.148
State94	0.986	State94	1.114	State94	1.344
State95	0.850	State95	0.978	State95	0.998
State96	0.927	State96	1.145	State96	1.225
State97	0.907	State97	1.095	State97	1.185
State98	0.758	State98	1.046	State98	1.006
State99	0.431	State99	0.649	State99	0.739
State100	0.423	State100	0.591	State100	0.721
State101	0.387	State101	0.585	State101	0.645
State102	1.018	State102	1.106	State102	1.246
State103	1.001	State103	1.269	State103	1.259
State104	1.111	State104	1.239	State104	1.379
State105	0.615	State105	0.863	State105	0.953
State106	1.071	State106	1.299	State106	1.319
State107	0.847	State107	0.955	State107	0.865
State108	0.926	State108	1.034	State108	1.164
State109	0.920	State109	0.948	State109	1.188
State110	1.006	State110	1.084	State110	1.054
State111	0.980	State111	1.088	State111	1.298
State112	1.131	State112	1.309	State112	1.479
State113	1.161	State113	1.109	State113	1.039
State114	1.121	State114	1.189	State114	1.439
State115	1.210	State115	1.330	State115	1.730
State116	1.069	State116	1.067	State116	1.397
State117	0.908	State117	1.086	State117	1.286
State118	0.161	State118	0.309	State118	0.329
State119	0.401	State119	0.559	State119	0.279

17. Measurement Uncertainty

The measured SAR was <1.5 W/Kg for 1g SAR and <3.75 W/Kg For 10g SAR for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE1528-2013 was not required.

18. SAR Test Equipment

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	SAM Phantom	-	N/A	N/A	N/A
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli 1-2	CS8Cspeag-TX90	F11/ 5K3RA1/ C/ 01	N/A	N/A	N/A
Staubli 3	CS8Cspeag-TX90	F12/ 5K9GA1/ C/ 01	N/A	N/A	N/A
Staubli 4	CS8Cspeag-TX90	F17/ 59CHA1/ C/ 01	N/A	N/A	N/A
Staubli 5	CS8Cspeag-TX90	F17/ 59RAA1/ C/ 01	N/A	N/A	N/A
Staubli 6	CS8Cspeag-TX90	F13/ 5R4XF1/ C/ 01	N/A	N/A	N/A
Staubli 7	CS8Cspeag-TX90	F08/5AJ0A1/C/01	N/A	N/A	N/A
Staubli 8	CS8Cspeag-TX90	F/20/0018446/C/001	N/A	N/A	N/A
Staubli 10	CS8Cspeag-TX90	F13/ 5SD0A1/ C/ 01	N/A	N/A	N/A
Staubli 12-L	CS8Cspeag-TX90	F/21/0029002/C/001	N/A	N/A	N/A
Staubli 12-R	CS8Cspeag-TX90	F/21/0029145/C/001	N/A	N/A	N/A
Staubli 1-2	TX90 XLspeag	F11/ 5K3RA1/ A/ 01	N/A	N/A	N/A
Staubli 3	TX90 XLspeag	F12/ 5K9GA1/ A/ 01	N/A	N/A	N/A
Staubli 4	TX90 XLspeag	F17/ 59CHA1/ A/ 01	N/A	N/A	N/A
Staubli 5	TX90 XLspeag	F17/ 59RAA1/ A/ 01	N/A	N/A	N/A
Staubli 6	TX90 XLspeag	F13/ 5R4XF1/ A/ 01	N/A	N/A	N/A
Staubli 7	TX90 XLspeag	F08/5AJ0A1/A/01	N/A	N/A	N/A
Staubli 8	TX90 XLspeag	F/20/0018446/A/001	N/A	N/A	N/A
Staubli 10	TX90 XLspeag	F13/ 5SD0A1/ A/ 01	N/A	N/A	N/A
Staubli 12-L	TX90 XLspeag	F/21/0029002/A/001	N/A	N/A	N/A
Staubli 12-R	TX90 XLspeag	F/21/0029145/A/001	N/A	N/A	N/A
Staubli 1-2	Teach Pendant (Joystick)	S-1203 0309	N/A	N/A	N/A
Staubli 3	Teach Pendant (Joystick)	S-1206 0513	N/A	N/A	N/A
Staubli 4	Teach Pendant (Joystick)	010963	N/A	N/A	N/A
Staubli 5	Teach Pendant (Joystick)	011578	N/A	N/A	N/A
Staubli 6	Teach Pendant (Joystick)	S-1338 1332	N/A	N/A	N/A
Staubli 7	Teach Pendant (Joystick)	S-0008	N/A	N/A	N/A
Staubli 8	Teach Pendant (Joystick)	020885	N/A	N/A	N/A
Staubli 10	Teach Pendant (Joystick)	001729	N/A	N/A	N/A
Staubli 12-L	Teach Pendant (Joystick)	D21144507C	N/A	N/A	N/A
Staubli 12-R	Teach Pendant (Joystick)	D21144507C	N/A	N/A	N/A
SPEAG	DAE4	868	09/27/2021	Annual	09/27/2022
SPEAG	DAE4	504	03/01/2022	Annual	03/01/2023
SPEAG	DAE4	648	06/02/2021	Annual	06/02/2022
SPEAG	DAE4	446	09/30/2021	Annual	09/30/2022
SPEAG	DAE4	911	10/07/2021	Annual	10/07/2022
SPEAG	DAE4	1686	06/21/2021	Annual	06/21/2022
SPEAG	DAE4	1422	05/19/2021	Annual	05/19/2022
SPEAG	DAE4	1687	06/21/2021	Annual	06/21/2022
SPEAG	DAE4	1225	12/01/2021	Annual	12/01/2022
SPEAG	DAE4	1629	07/26/2021	Annual	07/26/2022
SPEAG	E-Field Probe EX3DV4	3903	03/29/2022	Annual	03/29/2023
SPEAG	E-Field Probe EX3DV4	3968	09/29/2021	Annual	09/29/2022
SPEAG	E-Field Probe EX3DV4	3972	05/21/2021	Annual	05/21/2022
SPEAG	E-Field Probe EX3DV4	7681	12/14/2021	Annual	12/14/2022
SPEAG	E-Field Probe EX3DV4	7309	04/20/2021	Annual	04/20/2022
SPEAG	E-Field Probe EX3DV4	7622	11/22/2021	Annual	11/22/2022
SPEAG	E-Field Probe ES3DV3	3076	07/28/2021	Annual	07/28/2022
SPEAG	E-Field Probe EX3DV4	7679	09/10/2021	Annual	09/10/2022
SPEAG	E-Field Probe EX3DV4	7655	05/21/2021	Annual	05/21/2022
SPEAG	E-Field Probe EX3DV4	7702	01/20/2022	Annual	01/20/2023
SPEAG	Dipole D750V3	1014	06/01/2021	Annual	06/01/2022
SPEAG	Dipole D835V2	4d165	08/03/2021	Annual	08/03/2022
SPEAG	Dipole D1800V2	2d015	07/30/2021	Annual	07/30/2022
SPEAG	Dipole D1900V2	5d032	01/28/2022	Annual	01/28/2023

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	Dipole D2300V2	1010	08/17/2021	Annual	08/17/2022
SPEAG	Dipole D2450V2	965	06/15/2021	Annual	06/15/2022
SPEAG	Dipole D2600V2	1106	07/30/2021	Annual	07/30/2022
SPEAG	Dipole D3500V2	1132	01/24/2022	Annual	01/24/2023
SPEAG	Dipole D3700V2	1105	11/22/2021	Annual	11/22/2022
SPEAG	Dipole D3900V2	1019	06/09/2021	Annual	05/22/2021
SPEAG	Dipole D5GHzV2	1107	07/22/2021	Annual	07/22/2022
Agilent	Power Meter E4419B	MY41291386	10/06/2021	Annual	10/06/2022
Agilent	Power Meter E4419B	MY40330223	10/06/2021	Annual	10/06/2022
Agilent	Power Sensor 8481A	SG1091286	10/06/2021	Annual	10/06/2022
Agilent	Power Sensor 8481A	MY41090675	10/06/2021	Annual	10/06/2022
Agilent	Power Sensor N1921A	MY55220026	08/05/2021	Annual	08/05/2022
Agilent	Power Divider	11636B	02/24/2022	Annual	02/24/2023
SPEAG	DAKS 3.5	1038	03/28/2022	Annual	03/28/2023
ROHDE&SCHWARZ	Signal Generator	SMB100A	07/05/2021	Annual	07/05/2022
H.P	Network Analyzer /8753ES	JP39240221	01/05/2022	Annual	01/05/2023
Agilent	WIRELESS COMMUNICATION E5515C	MY48361100	10/06/2021	Annual	10/06/2022
TESTO	175-H1/Thermometer	40331936309	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	40331939309	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	40331915309	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	40331922309	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	40332651310	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	40331949309	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	44606559906	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	44606611906	01/04/2022	Annual	01/04/2023
TESTO	175-H1/Thermometer	83239085	11/15/2021	Annual	11/15/2022
TESTO	175-H1/Thermometer	2183499992	12/09/2021	Annual	12/09/2022
EMPOWER	RF Power Amplifier	1084	06/25/2021	Annual	06/25/2022
EMPOWER	RF Power Amplifier	1011	10/06/2021	Annual	10/06/2022
MICRO LAB	LP Filter / LA-15N	10453	10/06/2021	Annual	10/05/2022
MICRO LAB	LP Filter / LA-30N	-	10/06/2021	Annual	10/05/2022
MICRO LAB	LP Filter / LA-60N	32011	10/06/2021	Annual	10/05/2022
HP	Attenuator (3dB) 333340A	02427	09/06/2021	Annual	09/06/2022
HP	Attenuator (20dB) 8493C	09271	09/06/2021	Annual	09/17/2022
Agilent	Directional Bridge 86205A	3140A03878	05/28/2021	Annual	05/28/2022
OSI	Power Divider	12	06/24/2021	Annual	06/24/2022
OSI	Power Divider	9	06/24/2021	Annual	06/24/2022
OSI	Power Divider	10	06/24/2021	Annual	06/24/2022
OSI	Power Divider	8	06/24/2021	Annual	06/24/2022
OSI	Power Divider	11	06/24/2021	Annual	06/24/2022
Agilent	MXA Signal Analyzer N9020A	MY50510407	10/22/2021	Annual	10/22/2022
HP	Dual Directional Coupler	16072	10/05/2021	Annual	10/05/2022
Anritsu	Radio Communication Test Station MT8000A	6261967108	05/24/2021	Annual	05/24/2022
Anritsu	Radio Communication Test Station MT8000A	6261949673	11/15/2021	Annual	11/15/2022
Anritsu	Radio Communication Tester MT8820C	6201074225	02/24/2022	Annual	02/24/2023
Anritsu	Radio Communication Tester MT8820C	6200695605	04/15/2021	Annual	04/15/2022
Anritsu	Radio Communication Tester MT8820C	6200628628	09/06/2021	Annual	09/06/2022
Anritsu	Radio Communication Tester MT8821C	6262192348	11/15/2021	Annual	11/15/2022
Anritsu	Radio Communication Tester MT8821C	6262116770	07/12/2021	Annual	07/12/2022
Anritsu	Radio Communication Tester MT8821C	6201502997	07/08/2021	Annual	07/08/2022
Anritsu	Radio Communication Tester MT8821C	6262044720	12/20/2021	Annual	12/20/2022
ROHDE&SCHWARZ	BLUETOOTH TESTER CBT	100272	02/08/2022	Annual	02/08/2023

* The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Verification measurement is performed by HCT Lab. before each test. The brain/body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity (dielectric constant) of the brain/body-equivalent material.

19. Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the ANSI/ IEEE C95.1 - 2005.

These measurements were taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

20. References

- [1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation, Aug. 1996.
- [2] ANSI/IEEE C95.1 - 2005 , American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300 kHz to 300 GHz, New York: IEEE, Sept. 1992
- [3] ANSI/IEEE C 95.1 - 2005, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz, New York: IEEE, 2006
- [4] ANSI/IEEE C95.3 - 2002, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave, New York: December 2002.
- [5] IEEE Standards Coordinating Committee 34 – IEEE Std. 1528-2013, IEEE Recommended Practice or Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices
- [6] NCRP, National Council on Radiation Protection and Measurements, Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields, NCRP Report No. 86, 1986. Reprinted Feb. 1995.
- [7] T. Schmid, O. Egger, N. Kuster, Automated E-field scanning system for dosimetric assessments, IEEE Transaction on Microwave Theory and Techniques, vol. 44, Jan. 1996, pp. 105-113.
- [8] K. Pokovic, T. Schmid, N. Kuster, Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies, ICECOM97, Oct. 1997, pp. 120-124.
- [9] K. Pokovic, T. Schmid, and N. Kuster, E-field Probe with improved isotropy in brain simulating liquids, Proceedings of the ELMAR, Zadar, Croatia, June 23-25, 1996, pp. 172-175.
- [10] Schmid & Partner Engineering AG, Application Note: Data Storage and Evaluation, June 1998, p2.
- [11] V. Hombach, K. Meier, M. Burkhardt, E. Kuhn, N. Kuster, The Dependence of EM Energy Absorption upon Human Head Modeling at 900 MHz, IEEE Transaction on Microwave Theory and Techniques, vol. 44 no. 10, Oct. 1996, pp. 1865-1873.
- [12] N. Kuster and Q. Balzano, Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300 MHz, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.
- [13] G. Hartsgrove, A. Kraszewski, A. Surowiec, Simulated Biological Materials for Electromagnetic Radiation Absorption Studies, University of Ottawa, Bioelectro magnetics, Canada: 1987, pp. 29-36.
- [14] Q. Balzano, O. Garay, T. Manning Jr., Electromagnetic Energy Exposure of Simulated Users of Portable Cellular Telephones, IEEE Transactions on Vehicular Technology, vol. 44, no.3, Aug. 1995.
- [15] W. Gander, Computer mathematick, Birkhaeuser, Basel, 1992.
- [16] W.H. Press, S.A. Teukolsky, W.T. Vetterling, and B.P. Flannery, Numerical Receptions in C, The Art of Scientific Computing, Second edition, Cambridge University Press, 1992.
- [17] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.
- [18] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10 kHz-300 GHz, Jan. 1995.
- [19] Prof. Dr. Niels Kuster, ETH, Eidgenössische Technische Hochschule Zürich, Dosimetric Evaluation of the Cellular Phone.
- [20] IEC 62209-1, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation and procedures – Part 1: Procedure to determine the

specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz), July. 2016..

[21] IEC 62209-2, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) Mar. 2010.

[22] Industry Canada RSS-102 Radio Frequency Exposure Compliance of Radio Communication Apparatus (All Frequency Band) Issue 5, March 2015.

[23] Health Canada Safety Code 6 Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz – 300 GHz, 2009

[24] FCC SAR Test procedures for 2G-3G Devices, Mobile Hotspot and UMPC Device KDB 941225 D01.

[25] SAR Measurement Guidance for IEEE 802.11 transmitters, KDB 248227 D01v02r02

[26] SAR Evaluation of Handsets with Multiple Transmitters and Antennas KDB 648474 D03, D04.

[27] SAR Evaluation for Laptop, Notebook, Netbook and Tablet computers KDB 616217 D04.

[28] SAR Measurement and Reporting Requirements for 100 MHz – 6 GHz, KDB 865664 D01, D02.

[29] FCC General RF Exposure Guidance and SAR procedures for Dongles, KDB 447498 D01, D02.

Appendix A. DUT Ant. Information & SETUP PHOTO

Please refer to test DUT Ant. Information & setup photo file no. as follows:

Report No.
HCT-SR-2205-FC007-P