

9.2.5 SAR Result of WCDMA Band V

WB5 SAR Test Record											
Ant 0 Test Record											
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data DSI1											
Left cheek	RMC	4182/836.4	1:1	0.260	0.197	0.14	24.42	25.00	1.143	0.297	21.9
Left tilted	RMC	4182/836.4	1:1	0.173	0.143	-0.14	24.42	25.00	1.143	0.198	21.9
Right cheek	RMC	4182/836.4	1:1	0.258	0.202	0.05	24.42	25.00	1.143	0.295	21.9
Right tilted	RMC	4182/836.4	1:1	0.206	0.168	-0.06	24.42	25.00	1.143	0.235	21.9
Body worn Test data(Separate 5mm) DSI4											
Front side	RMC	4182/836.4	1:1	0.472	0.300	0.15	24.42	25.00	1.143	0.539	22.1
Back side	RMC	4182/836.4	1:1	0.705	0.452	-0.12	24.42	25.00	1.143	0.806	22.1
Back side	RMC	4132/826.4	1:1	0.886	0.579	0.02	24.33	25.00	1.167	1.034	22
Back side	RMC	4233/846.6	1:1	0.664	0.409	-0.08	24.39	25.00	1.151	0.764	22.1
Hotspot Test data(Separate 10mm) DSI5											
Front side	RMC	4182/836.4	1:1	0.256	0.172	-0.15	24.42	25.00	1.143	0.293	21.9
Back side	RMC	4182/836.4	1:1	0.383	0.260	0.16	24.42	25.00	1.143	0.438	21.9
Right side	RMC	4182/836.4	1:1	0.360	0.243	0.19	24.42	25.00	1.143	0.411	21.9
Bottom side	RMC	4182/836.4	1:1	0.210	0.137	0.15	24.42	25.00	1.143	0.240	21.9
Ant 1 Test Record											
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data DSI1											
Left cheek	RMC	4132/826.4	1:1	0.578	0.369	-0.04	24.81	25.70	1.227	0.709	21.9
Left tilted	RMC	4132/826.4	1:1	0.167	0.111	-0.15	24.81	25.70	1.227	0.205	21.9
Right cheek	RMC	4132/826.4	1:1	0.736	0.462	0.07	24.81	25.70	1.227	0.903	21.9
Right tilted	RMC	4132/826.4	1:1	0.201	0.135	0.18	24.81	25.70	1.227	0.247	21.9
Left cheek	RMC	4182/836.4	1:1	0.568	0.363	-0.07	24.67	25.70	1.268	0.720	21.9
Left cheek	RMC	4233/846.6	1:1	0.554	0.352	0.15	24.63	25.70	1.279	0.709	21.9
Right cheek	RMC	4182/836.4	1:1	0.744	0.465	0.02	24.67	25.70	1.268	0.943	21.9
Right cheek	RMC	4233/846.6	1:1	0.850	0.462	-0.03	24.63	25.70	1.279	1.087	21.9
Right cheek with Repeat	RMC	4233/846.6	1:1	0.835	0.445	-0.07	24.63	25.70	1.279	1.068	21.9
Body worn Test data(Separate 5mm) DSI4											
Front side	RMC	4132/826.4	1:1	0.401	0.207	0.17	21.84	22.70	1.219	0.489	22.1
Back side	RMC	4132/826.4	1:1	0.558	0.288	-0.03	21.84	22.70	1.219	0.680	22.1
Hotspot Test data(Separate 10mm) DSI5											
Front side	RMC	4132/826.4	1:1	0.242	0.161	-0.11	21.84	22.70	1.219	0.295	21.9
Back side	RMC	4132/826.4	1:1	0.364	0.239	-0.13	21.84	22.70	1.219	0.444	21.9
Back side	RMC	4182/836.4	1:1	0.371	0.236	0.00	21.72	22.70	1.253	0.465	21.9



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Back side	RMC	4233/846.6	1:1	0.357	0.226	0.01	21.59	22.70	1.291	0.461	21.9
Left side	RMC	4132/826.4	1:1	0.533	0.332	0.18	21.84	22.70	1.219	0.650	21.9
Left side	RMC	4182/836.4	1:1	0.527	0.299	0.02	21.72	22.70	1.253	0.660	22.3
Left side	RMC	4233/846.6	1:1	0.497	0.309	0.12	21.59	22.70	1.291	0.642	21.9

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	4233/846.6	0.850	0.835	1.018	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.



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9.2.6 SAR Result of LTE Band 2

LTE Band 2 SAR Test Record												
Ant 2 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	18900/1880	1:1	0.286	0.190	-0.02	17.27	18.20	1.239	0.354	22.3
Left tilted	20	QPSK 1_99	18900/1880	1:1	0.340	0.206	0.08	17.27	18.20	1.239	0.421	22.3
Right cheek	20	QPSK 1_99	18900/1880	1:1	0.565	0.340	-0.14	17.27	18.20	1.239	0.700	22.3
Right tilted	20	QPSK 1_99	18900/1880	1:1	0.497	0.270	-0.11	17.27	18.20	1.239	0.616	22.3
Right cheek	20	QPSK 1_99	18700/1860	1:1	0.616	0.356	-0.15	17.26	18.20	1.242	0.765	22.3
Right cheek	20	QPSK 1_0	19100/1900	1:1	0.609	0.336	0.08	17.07	18.20	1.297	0.790	22.3
Right tilted	20	QPSK 1_99	18700/1860	1:1	0.578	0.291	-0.17	17.26	18.20	1.242	0.718	22.3
Right tilted	20	QPSK 1_0	19100/1900	1:1	0.538	0.274	-0.08	17.07	18.20	1.297	0.698	22.3
Right cheek with ENDC	20	QPSK 1_99	19100/1900	1:1	0.547	0.301	0.07	16.73	18.20	1.403	0.767	22.3
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	18900/1880	1:1	0.254	0.168	-0.01	17.28	18.20	1.236	0.314	22.3
Left tilted	20	QPSK 50_50	18900/1880	1:1	0.307	0.186	-0.13	17.28	18.20	1.236	0.379	22.3
Right cheek	20	QPSK 50_50	18900/1880	1:1	0.569	0.326	-0.19	17.28	18.20	1.236	0.703	22.3
Right tilted	20	QPSK 50_50	18900/1880	1:1	0.517	0.264	-0.16	17.28	18.20	1.236	0.639	22.3
Right cheek	20	QPSK 50_50	18700/1860	1:1	0.622	0.356	0.17	17.28	18.20	1.236	0.769	22.3
Right cheek	20	QPSK 50_25	19100/1900	1:1	0.553	0.317	-0.06	17.21	18.20	1.256	0.695	22.3
Right tilted	20	QPSK 50_50	18700/1860	1:1	0.528	0.274	0.11	17.28	18.20	1.236	0.653	22.3
Right tilted	20	QPSK 50_25	19100/1900	1:1	0.471	0.249	-0.09	17.21	18.20	1.256	0.592	22.3
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	18900/1880	1:1	0.597	0.348	-0.08	17.24	18.20	1.247	0.745	22.3
Right tilted	20	QPSK 100_0	18900/1880	1:1	0.538	0.283	0.07	17.24	18.20	1.247	0.671	22.3
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_0	19100/1900	1:1	0.386	0.213	0.17	18.38	19.20	1.208	0.466	22.3
Back side	20	QPSK 1_0	19100/1900	1:1	0.600	0.318	0.14	18.38	19.20	1.208	0.725	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_0	19100/1900	1:1	0.370	0.206	-0.11	18.37	19.20	1.211	0.448	22.3
Back side	20	QPSK 50_0	19100/1900	1:1	0.588	0.310	-0.01	18.37	19.20	1.211	0.712	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_0	19100/1900	1:1	0.405	0.232	0.11	21.54	22.70	1.306	0.529	22.3
Back side with 10mm	20	QPSK 1_0	19100/1900	1:1	0.622	0.338	0.14	21.54	22.70	1.306	0.812	22.3
Back side with 10mm	20	QPSK 1_50	18700/1860	1:1	0.771	0.413	0.02	21.54	22.70	1.306	1.007	22.3
Back side with 10mm	20	QPSK 1_0	18900/1880	1:1	0.694	0.389	-0.07	21.41	22.70	1.346	0.934	22.3
Back side with 10mm ENDC	20	QPSK 1_0	18700/1860	1:1	0.702	0.371	-0.15	21.23	22.70	1.403	0.985	22.3
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_0	18700/1860	1:1	0.405	0.232	0.11	21.55	22.70	1.303	0.528	22.3
Back side with 10mm	20	QPSK 50_0	18700/1860	1:1	0.610	0.342	-0.05	21.55	22.70	1.303	0.795	22.3



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Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	20	QPSK 100_0	18700/1860	1:1	0.628	0.348	0.19	21.53	22.70	1.309	0.822	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	18900/1880	1:1	0.160	0.095	0.06	17.27	18.20	1.239	0.198	22.3
Back side	20	QPSK 1_99	18900/1880	1:1	0.244	0.150	0.04	17.27	18.20	1.239	0.302	22.3
Left side	20	QPSK 1_99	18900/1880	1:1	0.120	0.067	0.03	17.27	18.20	1.239	0.149	22.3
Top side	20	QPSK 1_99	18900/1880	1:1	0.352	0.200	-0.06	17.27	18.20	1.239	0.436	22.3
Top side with ENDC	20	QPSK 1_0	18900/1880	1:1	0.298	0.168	-0.07	16.67	18.20	1.422	0.424	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	18900/1880	1:1	0.169	0.099	0.07	17.28	18.20	1.236	0.209	22.3
Back side	20	QPSK 50_50	18900/1880	1:1	0.250	0.158	0.15	17.28	18.20	1.236	0.309	22.3
Left side	20	QPSK 50_50	18900/1880	1:1	0.132	0.071	-0.17	17.28	18.20	1.236	0.163	22.3
Top side	20	QPSK 50_50	18900/1880	1:1	0.351	0.200	0.01	17.28	18.20	1.236	0.434	22.3
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_50	19100/1900	1:1	0.129	0.080	0.17	24.31	25.50	1.315	0.170	22.3
Left tilted	20	QPSK 1_50	19100/1900	1:1	0.093	0.057	-0.18	24.31	25.50	1.315	0.122	22.3
Right cheek	20	QPSK 1_50	19100/1900	1:1	0.166	0.098	0.04	24.31	25.50	1.315	0.218	22.3
Right tilted	20	QPSK 1_50	19100/1900	1:1	0.059	0.037	0.05	24.31	25.50	1.315	0.078	22.3
Right cheek with ENDC	20	QPSK 1_50	19100/1900	1:1	0.162	0.098	0.08	24.37	25.50	1.297	0.210	22.3
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	18700/1860	1:1	0.099	0.063	0.18	23.50	24.50	1.259	0.125	22.3
Left tilted	20	QPSK 50_50	18700/1860	1:1	0.092	0.055	-0.05	23.50	24.50	1.259	0.116	22.3
Right cheek	20	QPSK 50_50	18700/1860	1:1	0.147	0.087	0.19	23.50	24.50	1.259	0.185	22.3
Right tilted	20	QPSK 50_50	18700/1860	1:1	0.050	0.030	0.01	23.50	24.50	1.259	0.063	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	18700/1860	1:1	0.551	0.276	0.06	18.89	20.00	1.291	0.711	22.3
Back side	20	QPSK 1_0	18700/1860	1:1	0.663	0.337	-0.04	18.89	20.00	1.291	0.856	22.3
Back side	20	QPSK 1_50	18900/1880	1:1	0.624	0.322	0.19	18.85	20.00	1.303	0.813	22.3
Back side	20	QPSK 1_50	19100/1900	1:1	0.573	0.295	-0.14	18.88	20.00	1.294	0.742	22.3
Back side with ENDC	20	QPSK 1_0	18700/1860	1:1	0.638	0.325	-0.15	18.88	20.00	1.294	0.826	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	18700/1860	1:1	0.528	0.261	0.15	18.99	20.00	1.262	0.666	22.3
Back side	20	QPSK 50_0	18700/1860	1:1	0.621	0.319	-0.19	18.99	20.00	1.262	0.784	22.3
Body worn Test data (100%RB) Sensor off DSI4												
Back side	20	QPSK 100_0	18700/1860	1:1	0.635	0.328	0.09	18.94	20.00	1.276	0.811	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	18700/1860	1:1	0.275	0.153	-0.18	18.89	20.00	1.291	0.355	22.3
Back side	20	QPSK 1_0	18700/1860	1:1	0.329	0.182	-0.08	18.89	20.00	1.291	0.425	22.3
Left side	20	QPSK 1_0	18700/1860	1:1	0.098	0.054	-0.03	18.89	20.00	1.291	0.127	22.3
Bottom side	20	QPSK 1_0	18700/1860	1:1	0.443	0.235	0.00	18.89	20.00	1.291	0.572	22.3
Bottom side	20	QPSK 1_99	18900/1880	1:1	0.412	0.219	-0.07	18.65	20.00	1.365	0.562	22.3



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Bottom side	20	QPSK 1_0	19100/1900	1:1	0.414	0.219	0.19	18.55	20.00	1.396	0.578	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	18700/1860	1:1	0.281	0.153	-0.12	18.89	20.00	1.291	0.363	22.3
Back side	20	QPSK 50_0	18700/1860	1:1	0.336	0.184	0.16	18.89	20.00	1.291	0.434	22.3
Left side	20	QPSK 50_0	18700/1860	1:1	0.101	0.056	-0.10	18.89	20.00	1.291	0.130	22.3
Bottom side	20	QPSK 50_0	18700/1860	1:1	0.451	0.236	0.04	18.89	20.00	1.291	0.582	22.3
Bottom side	20	QPSK 50_25	18900/1880	1:1	0.468	0.243	-0.01	18.69	20.00	1.352	0.633	21.6
Bottom side	20	QPSK 50_0	19100/1900	1:1	0.410	0.211	0.08	18.81	20.00	1.315	0.539	22.3
Bottom side with ENDC	20	QPSK 50_25	18900/1880	1:1	0.452	0.233	-0.16	18.68	20.00	1.355	0.613	21.6
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Bottom side	20	QPSK 100_0	18700/1860	1:1	0.445	0.234	0.17	18.90	20.00	1.288	0.573	22.3
Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	18700/1860	1:1	0.220	0.125	0.11	18.00	19.20	1.318	0.290	22.3
Left tilted	20	QPSK 1_99	18700/1860	1:1	0.119	0.067	0.08	18.00	19.20	1.318	0.157	22.3
Right cheek	20	QPSK 1_99	18700/1860	1:1	0.778	0.348	0.11	18.00	19.20	1.318	1.026	22.3
Right tilted	20	QPSK 1_99	18700/1860	1:1	0.253	0.130	0.18	18.00	19.20	1.318	0.334	22.3
Right cheek	20	QPSK 1_99	18900/1880	1:1	0.687	0.326	0.06	17.95	19.20	1.334	0.916	22.3
Right cheek	20	QPSK 1_0	19100/1900	1:1	0.674	0.320	-0.06	17.78	19.20	1.387	0.935	22.3
Right cheek with ENDC	20	QPSK 1_99	18700/1860	1:1	0.662	0.297	0.19	17.48	19.20	1.486	0.984	22.3
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	18900/1880	1:1	0.169	0.098	-0.08	17.95	19.20	1.334	0.225	22.3
Left tilted	20	QPSK 50_50	18900/1880	1:1	0.094	0.053	0.00	17.95	19.20	1.334	0.125	22.3
Right cheek	20	QPSK 50_50	18900/1880	1:1	0.689	0.329	0.07	17.95	19.20	1.334	0.919	22.3
Right tilted	20	QPSK 50_50	18900/1880	1:1	0.234	0.121	0.17	17.95	19.20	1.334	0.312	22.3
Right cheek	20	QPSK 50_50	18700/1860	1:1	0.746	0.354	0.07	17.87	19.20	1.358	1.013	22.3
Right cheek	20	QPSK 50_0	19100/1900	1:1	0.623	0.290	-0.05	17.82	19.20	1.374	0.856	22.3
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	18900/1880	1:1	0.691	0.324	-0.12	17.89	19.20	1.352	0.934	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_99	18700/1860	1:1	0.361	0.164	-0.08	17.49	18.70	1.321	0.477	22.3
Back side	20	QPSK 1_99	18700/1860	1:1	0.608	0.269	0.13	17.49	18.70	1.321	0.803	22.3
Back side with ENDC	20	QPSK 1_50	18700/1860	1:1	0.523	0.235	-0.06	16.99	18.70	1.483	0.775	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	19100/1900	1:1	0.298	0.142	-0.03	17.54	18.70	1.306	0.389	22.3
Back side	20	QPSK 50_0	19100/1900	1:1	0.521	0.241	-0.07	17.54	18.70	1.306	0.681	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	18700/1860	1:1	0.241	0.124	0.04	17.49	18.70	1.321	0.318	22.3
Back side	20	QPSK 1_99	18700/1860	1:1	0.425	0.204	-0.05	17.49	18.70	1.321	0.562	22.3
Left side	20	QPSK 1_99	18700/1860	1:1	0.475	0.236	-0.08	17.49	18.70	1.321	0.628	22.3
Top side	20	QPSK 1_99	18700/1860	1:1	0.051	0.028	-0.06	17.49	18.70	1.321	0.067	22.3
Left side with ENDC	20	QPSK 1_99	18700/1860	1:1	0.411	0.202	-0.05	16.99	18.70	1.483	0.609	22.3



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Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	19100/1900	1:1	0.221	0.113	0.08	17.54	18.70	1.306	0.289	22.3
Back side	20	QPSK 50_0	19100/1900	1:1	0.398	0.190	-0.11	17.54	18.70	1.306	0.520	22.3
Left side	20	QPSK 50_0	19100/1900	1:1	0.467	0.221	-0.10	17.54	18.70	1.306	0.610	22.3
Top side	20	QPSK 50_0	19100/1900	1:1	0.051	0.029	0.10	17.54	18.70	1.306	0.067	22.3
Ant 5 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	18900/1880	1:1	0.467	0.249	-0.08	18.72	20.50	1.507	0.704	22.3
Left tilted	20	QPSK 1_99	18900/1880	1:1	0.104	0.059	0.03	18.72	20.50	1.507	0.157	22.3
Right cheek	20	QPSK 1_99	18900/1880	1:1	0.362	0.177	0.19	18.72	20.50	1.507	0.545	22.3
Right tilted	20	QPSK 1_99	18900/1880	1:1	0.054	0.034	-0.15	18.72	20.50	1.507	0.081	22.3
Left cheek	20	QPSK 1_99	18700/1860	1:1	0.595	0.310	0.07	18.62	20.50	1.542	0.917	22.3
Left cheek	20	QPSK 1_99	19100/1900	1:1	0.463	0.236	-0.13	18.69	20.50	1.517	0.702	22.3
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	18900/1880	1:1	0.505	0.259	0.13	18.75	20.50	1.496	0.756	22.3
Left tilted	20	QPSK 50_50	18900/1880	1:1	0.109	0.062	-0.06	18.75	20.50	1.496	0.163	22.3
Right cheek	20	QPSK 50_50	18900/1880	1:1	0.406	0.196	-0.04	18.75	20.50	1.496	0.607	22.3
Right tilted	20	QPSK 50_50	18900/1880	1:1	0.058	0.036	-0.07	18.75	20.50	1.496	0.087	22.3
Left cheek	20	QPSK 50_25	18700/1860	1:1	0.680	0.319	-0.09	18.71	20.50	1.510	1.027	22.3
Left cheek	20	QPSK 50_25	19100/1900	1:1	0.419	0.224	0.08	18.75	20.50	1.496	0.627	22.3
Left cheek with ENDC	20	QPSK 50_0	18700/1860	1:1	0.669	0.315	0.07	18.80	20.50	1.479	0.990	22.3
Head Test Data (100%RB) DSI1												
Left cheek	20	QPSK 100_0	18900/1880	1:1	0.556	0.296	-0.03	18.75	20.50	1.496	0.832	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_50	18700/1860	1:1	0.527	0.256	-0.19	16.91	18.50	1.442	0.760	22.3
Back side	20	QPSK 1_50	18700/1860	1:1	0.675	0.321	0.03	16.91	18.50	1.442	0.973	22.3
Back side	20	QPSK 1_0	18900/1880	1:1	0.517	0.261	0.06	16.84	18.50	1.466	0.758	22.3
Back side	20	QPSK 1_0	19100/1900	1:1	0.503	0.256	0.17	16.72	18.50	1.507	0.758	22.3
Back side with ENDC	20	QPSK 1_0	18700/1860	1:1	0.646	0.304	0.11	16.85	18.50	1.462	0.945	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	18700/1860	1:1	0.514	0.252	0.06	17.01	18.50	1.409	0.724	22.3
Back side	20	QPSK 50_25	18700/1860	1:1	0.678	0.324	-0.01	17.01	18.50	1.409	0.955	22.3
Back side	20	QPSK 50_25	18900/1880	1:1	0.606	0.287	-0.02	16.97	18.50	1.422	0.862	22.3
Back side	20	QPSK 50_25	19100/1900	1:1	0.482	0.230	-0.19	16.80	18.50	1.479	0.713	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Back side	20	QPSK 100_0	18700/1860	1:1	0.645	0.338	-0.02	17.05	18.50	1.396	0.901	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_50	18700/1860	1:1	0.160	0.083	0.05	16.91	18.50	1.442	0.231	22.3
Back side	20	QPSK 1_50	18700/1860	1:1	0.216	0.113	-0.08	16.91	18.50	1.442	0.311	22.3
Right side	20	QPSK 1_50	18700/1860	1:1	0.291	0.146	-0.12	16.91	18.50	1.442	0.420	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	18700/1860	1:1	0.168	0.087	-0.08	17.01	18.50	1.409	0.237	22.3



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Back side	20	QPSK 50_25	18700/1860	1:1	0.246	0.123	0.07	17.01	18.50	1.409	0.347	22.3
Right side	20	QPSK 50_25	18700/1860	1:1	0.300	0.150	0.12	17.01	18.50	1.409	0.423	22.3
Right side with ENDC	20	QPSK 50_25	18700/1860	1:1	0.278	0.140	-0.08	16.82	18.50	1.472	0.409	22.3



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9.2.7 SAR Result of LTE Band 4

LTE Band 4 SAR Test Record												
Ant 2 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_50	20175/1732.5	1:1	0.486	0.270	-0.06	18.93	19.70	1.194	0.580	22.3
Back side	20	QPSK 1_50	20175/1732.5	1:1	0.726	0.367	0.03	18.93	19.70	1.194	0.867	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.471	0.281	-0.16	19.02	19.70	1.169	0.551	22.3
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.721	0.365	-0.04	19.02	19.70	1.169	0.843	22.3
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	20	QPSK 100_0	20175/1732.5	1:1	0.705	0.345	-0.19	18.91	19.70	1.199	0.846	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_99	20175/1732.5	1:1	0.455	0.252	-0.01	22.80	23.20	1.096	0.499	22.3
Back side with 10mm	20	QPSK 1_99	20175/1732.5	1:1	0.728	0.428	-0.04	22.80	23.20	1.096	0.798	22.3
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_50	20175/1732.5	1:1	0.445	0.245	0.08	22.33	23.20	1.222	0.544	22.3
Back side with 10mm	20	QPSK 50_50	20175/1732.5	1:1	0.724	0.412	-0.02	22.33	23.20	1.222	0.885	22.3
Back side with 10mm ENDC	20	QPSK 50_50	20175/1732.5	1:1	0.691	0.400	0.02	22.28	23.20	1.236	0.854	22.3
Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	20	QPSK 100_0	20175/1732.5	1:1	0.715	0.402	-0.04	22.29	23.20	1.233	0.882	22.3
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_50	20175/1732.5	1:1	0.546	0.262	-0.16	20.35	20.70	1.084	0.592	22.3
Back side	20	QPSK 1_50	20175/1732.5	1:1	0.681	0.339	-0.07	20.35	20.70	1.084	0.738	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_50	20175/1732.5	1:1	0.578	0.284	-0.10	20.36	20.70	1.081	0.625	22.3
Back side	20	QPSK 50_50	20175/1732.5	1:1	0.699	0.347	0.11	20.36	20.70	1.081	0.756	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_50	20175/1732.5	1:1	0.371	0.207	-0.09	20.35	20.70	1.084	0.402	22.3
Back side	20	QPSK 1_50	20175/1732.5	1:1	0.457	0.250	-0.10	20.35	20.70	1.084	0.495	22.3
Left side	20	QPSK 1_50	20175/1732.5	1:1	0.126	0.070	-0.02	20.35	20.70	1.084	0.137	22.3
Bottom side	20	QPSK 1_50	20175/1732.5	1:1	0.722	0.387	0.03	20.35	20.70	1.084	0.783	22.3
Bottom side with ENDC	20	QPSK 1_0	20175/1732.5	1:1	0.596	0.323	-0.10	19.70	20.70	1.259	0.750	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	20175/1732.5	1:1	0.391	0.218	0.13	20.36	20.70	1.081	0.423	22.3
Back side	20	QPSK 50_50	20175/1732.5	1:1	0.487	0.264	0.15	20.36	20.70	1.081	0.527	22.3
Left side	20	QPSK 50_50	20175/1732.5	1:1	0.131	0.072	0.16	20.36	20.70	1.081	0.142	22.3
Bottom side	20	QPSK 50_50	20175/1732.5	1:1	0.603	0.318	0.09	20.36	20.70	1.081	0.652	22.3



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9.2.8 SAR Result of LTE Band 7

LTE Band 7 SAR Test Record												
Ant 2 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_50	20850/2510	1:1	0.235	0.134	-0.10	16.70	17.20	1.122	0.264	22.3
Left tilted	20	QPSK 1_50	20850/2510	1:1	0.200	0.110	0.14	16.70	17.20	1.122	0.224	22.3
Right cheek	20	QPSK 1_50	20850/2510	1:1	0.539	0.286	0.10	16.70	17.20	1.122	0.605	22.3
Right tilted	20	QPSK 1_50	20850/2510	1:1	0.457	0.244	-0.16	16.70	17.20	1.122	0.513	22.3
Right cheek	20	QPSK 1_50	21100/2535	1:1	0.518	0.269	-0.13	16.69	17.20	1.125	0.583	22.3
Right cheek	20	QPSK 1_99	21350/2560	1:1	0.448	0.235	0.03	16.65	17.20	1.135	0.508	22.3
Right tilted	20	QPSK 1_50	21100/2535	1:1	0.455	0.234	-0.02	16.69	17.20	1.125	0.512	22.3
Right tilted	20	QPSK 1_99	21350/2560	1:1	0.422	0.214	0.02	16.65	17.20	1.135	0.479	22.3
Right cheek with code60	20	QPSK 1_50	20850/2510	1:1	0.521	0.278	-0.08	16.70	17.20	1.122	0.585	22.3
Right cheek	20	QPSK 1_99	20850/2510	1:1	0.489	0.259	-0.11	16.45	17.20	1.189	0.581	22.3
		QPSK 1_0	20148/2529.8									
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_25	21350/2560	1:1	0.196	0.114	-0.10	16.84	17.20	1.086	0.213	22.3
Left tilted	20	QPSK 50_25	21350/2560	1:1	0.214	0.110	-0.13	16.84	17.20	1.086	0.232	22.3
Right cheek	20	QPSK 50_25	21350/2560	1:1	0.457	0.242	0.19	16.84	17.20	1.086	0.496	22.3
Right tilted	20	QPSK 50_25	21350/2560	1:1	0.434	0.221	0.00	16.84	17.20	1.086	0.472	22.3
Right cheek	20	QPSK 50_25	20850/2510	1:1	0.500	0.271	0.09	16.68	17.20	1.127	0.564	22.3
Right cheek	20	QPSK 50_25	21100/2535	1:1	0.481	0.256	-0.15	16.83	17.20	1.089	0.524	22.3
Right tilted	20	QPSK 50_25	20850/2510	1:1	0.460	0.241	-0.09	16.68	17.20	1.127	0.519	22.3
Right tilted	20	QPSK 50_25	21100/2535	1:1	0.445	0.232	0.04	16.83	17.20	1.089	0.485	22.3
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	20850/2510	1:1	0.506	0.274	-0.09	16.94	17.20	1.062	0.537	22.3
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_99	21350/2560	1:1	0.456	0.241	-0.15	18.30	18.70	1.096	0.500	22.3
Back side	20	QPSK 1_99	21350/2560	1:1	0.534	0.276	-0.01	18.30	18.70	1.096	0.586	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_0	21100/2535	1:1	0.538	0.266	-0.11	18.37	18.70	1.079	0.580	22.3
Back side	20	QPSK 50_0	21100/2535	1:1	0.565	0.294	-0.11	18.37	18.70	1.079	0.610	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_99	21350/2560	1:1	0.766	0.402	-0.18	24.08	24.70	1.153	0.884	22.3
Back side with 10mm	20	QPSK 1_99	21350/2560	1:1	0.904	0.469	-0.03	24.08	24.70	1.153	1.043	22.3
Front side with 10mm	20	QPSK 1_99	20850/2510	1:1	0.816	0.446	-0.02	23.99	24.70	1.178	0.961	22.3
Front side with 10mm	20	QPSK 1_99	21100/2535	1:1	0.790	0.421	0.01	24.08	24.70	1.153	0.911	22.3
Back side with 10mm	20	QPSK 1_99	20850/2510	1:1	0.798	0.426	-0.14	23.99	24.70	1.178	0.940	22.3
Back side with 10mm	20	QPSK 1_99	21100/2535	1:1	0.938	0.503	-0.19	24.08	24.70	1.153	1.082	22.3
Back side with 10mm code60	20	QPSK 1_99	21100/2535	1:1	0.902	0.490	0.11	24.08	24.70	1.153	1.040	22.3
Back side with 10mm Repeat	20	QPSK 1_99	21100/2535	1:1	0.912	0.485	-0.03	24.08	24.70	1.153	1.052	22.3



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Back side with 10mm	20	QPSK 1_99	21100/2535	1:1	0.917	0.495	0.08	24.11	24.70	1.146	1.050	22.3
		QPSK 1_0	21298/2554.8									
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_0	21100/2535	1:1	0.508	0.270	0.16	23.74	24.70	1.247	0.634	22.3
Back side with 10mm	20	QPSK 50_0	21100/2535	1:1	0.740	0.386	0.08	23.74	24.70	1.247	0.923	22.3
Back side with 10mm	20	QPSK 50_25	20850/2510	1:1	0.748	0.393	-0.14	23.73	24.70	1.250	0.935	22.3
Back side with 10mm	20	QPSK 50_25	21350/2560	1:1	0.730	0.374	-0.10	23.71	24.70	1.256	0.917	22.3
Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	20	QPSK 100_0	21350/2560	1:1	0.745	0.385	0.09	23.86	24.70	1.213	0.904	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_50	20850/2510	1:1	0.132	0.690	-0.19	16.70	17.20	1.122	0.148	22.3
Back side	20	QPSK 1_50	20850/2510	1:1	0.149	0.084	0.15	16.70	17.20	1.122	0.167	22.3
Left side	20	QPSK 1_50	20850/2510	1:1	0.087	0.039	-0.10	16.70	17.20	1.122	0.098	22.3
Top side	20	QPSK 1_50	20850/2510	1:1	0.119	0.058	-0.13	16.70	17.20	1.122	0.134	22.3
Back side	20	QPSK 1_99	20850/2510	1:1	0.136	0.077	-0.09	16.45	17.20	1.189	0.162	22.3
		QPSK 1_0	20148/2529.8									
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	21350/2560	1:1	0.143	0.078	0.11	16.84	17.20	1.086	0.155	22.3
Back side	20	QPSK 50_25	21350/2560	1:1	0.162	0.094	-0.15	16.84	17.20	1.086	0.176	22.3
Left side	20	QPSK 50_25	21350/2560	1:1	0.069	0.034	0.07	16.84	17.20	1.086	0.075	22.3
Top side	20	QPSK 50_25	21350/2560	1:1	0.155	0.090	-0.05	16.84	17.20	1.086	0.168	22.3
Back side with code60	20	QPSK 50_25	21350/2560	1:1	0.157	0.091	-0.10	16.84	17.20	1.086	0.171	22.3
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	20850/2510	1:1	0.247	0.139	0.11	25.10	25.70	1.148	0.284	22.3
Left tilted	20	QPSK 1_0	20850/2510	1:1	0.071	0.039	0.15	25.10	25.70	1.148	0.082	22.3
Right cheek	20	QPSK 1_0	20850/2510	1:1	0.163	0.080	0.07	25.10	25.70	1.148	0.187	22.3
Right tilted	20	QPSK 1_0	20850/2510	1:1	0.112	0.059	0.05	25.10	25.70	1.148	0.129	22.3
Left cheek with code60	20	QPSK 1_0	20850/2510	1:1	0.240	0.134	0.14	25.10	25.70	1.148	0.276	22.3
Left cheek	20	QPSK 1_99	20850/2510	1:1	0.207	0.117	-0.02	24.48	25.70	1.324	0.274	22.3
		QPSK 1_0	20148/2529.8									
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	20850/2510	1:1	0.194	0.109	-0.02	24.22	24.70	1.117	0.217	22.3
Left tilted	20	QPSK 50_0	20850/2510	1:1	0.058	0.032	-0.13	24.22	24.70	1.117	0.065	22.3
Right cheek	20	QPSK 50_0	20850/2510	1:1	0.130	0.064	-0.12	24.22	24.70	1.117	0.145	22.3
Right tilted	20	QPSK 50_0	20850/2510	1:1	0.085	0.044	-0.05	24.22	24.70	1.117	0.095	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	21100/2535	1:1	0.522	0.212	-0.09	19.86	20.20	1.081	0.565	22.3
Back side	20	QPSK 1_0	21100/2535	1:1	0.601	0.264	0.00	19.86	20.20	1.081	0.650	22.3
Back side with code60	20	QPSK 1_0	21100/2535	1:1	0.577	0.259	-0.07	19.86	20.20	1.081	0.624	22.3
Back side	20	QPSK 1_99	21100/2535	1:1	0.520	0.231	-0.06	19.39	20.20	1.205	0.627	22.3
		QPSK 1_0	21298/2554.8									



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Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	21350/2560	1:1	0.513	0.205	-0.07	20.00	20.20	1.047	0.537	22.3
Back side	20	QPSK 50_25	21350/2560	1:1	0.621	0.251	-0.06	20.00	20.20	1.047	0.650	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	21100/2535	1:1	0.328	0.170	-0.09	19.86	20.20	1.081	0.355	22.3
Back side	20	QPSK 1_0	21100/2535	1:1	0.390	0.188	0.08	19.86	20.20	1.081	0.422	22.3
Left side	20	QPSK 1_0	21100/2535	1:1	0.114	0.058	0.03	19.86	20.20	1.081	0.123	22.3
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.416	0.203	-0.04	19.86	20.20	1.081	0.450	22.3
Bottom side with code60	20	QPSK 1_0	21100/2535	1:1	0.401	0.198	-0.02	19.86	20.20	1.081	0.434	22.3
Bottom side	20	QPSK 1_99	21100/2535	1:1	0.364	0.176	-0.06	19.39	20.20	1.205	0.439	22.3
		QPSK 1_0	21298/2554.8									
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	21350/2560	1:1	0.323	0.169	-0.12	20.00	20.20	1.047	0.338	22.3
Back side	20	QPSK 50_25	21350/2560	1:1	0.384	0.185	-0.18	20.00	20.20	1.047	0.402	22.3
Left side	20	QPSK 50_25	21350/2560	1:1	0.107	0.054	-0.03	20.00	20.20	1.047	0.112	22.3
Bottom side	20	QPSK 50_25	21350/2560	1:1	0.402	0.196	-0.09	20.00	20.20	1.047	0.421	22.3
Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_50	21350/2560	1:1	0.218	0.118	-0.03	19.47	20.70	1.327	0.289	22.3
Left tilted	20	QPSK 1_50	21350/2560	1:1	0.135	0.073	0.11	19.47	20.70	1.327	0.179	22.3
Right cheek	20	QPSK 1_50	21350/2560	1:1	0.804	0.371	0.16	19.47	20.70	1.327	1.067	22.3
Right tilted	20	QPSK 1_50	21350/2560	1:1	0.318	0.153	-0.09	19.47	20.70	1.327	0.422	22.3
Right cheek	20	QPSK 1_99	20850/2510	1:1	0.762	0.365	0.14	19.37	20.70	1.358	1.035	22.3
Right cheek	20	QPSK 1_99	21100/2535	1:1	0.796	0.377	-0.08	19.38	20.70	1.355	1.079	22.3
Right cheek	20	QPSK 1_99	21100/2535	1:1	0.692	0.331	0.08	18.94	20.70	1.500	1.038	22.3
		QPSK 1_0	21298/2554.8									
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	20850/2510	1:1	0.201	0.110	0.07	19.59	20.70	1.291	0.260	22.3
Left tilted	20	QPSK 50_0	20850/2510	1:1	0.119	0.065	0.18	19.59	20.70	1.291	0.154	22.3
Right cheek	20	QPSK 50_0	20850/2510	1:1	0.739	0.348	0.18	19.59	20.70	1.291	0.954	22.3
Right tilted	20	QPSK 50_0	20850/2510	1:1	0.288	0.140	-0.19	19.59	20.70	1.291	0.372	22.3
Right cheek	20	QPSK 50_50	21100/2535	1:1	0.787	0.372	-0.04	19.50	20.70	1.318	1.037	22.3
Right cheek	20	QPSK 50_0	21350/2560	1:1	0.822	0.387	-0.12	19.57	20.70	1.297	1.066	22.3
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	21350/2560	1:1	0.837	0.343	0.02	19.57	20.70	1.297	1.086	22.3
Right cheek with code60	20	QPSK 100_0	21350/2560	1:1	0.809	0.329	-0.03	19.57	20.70	1.297	1.049	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	20850/2510	1:1	0.311	0.133	-0.16	17.96	19.20	1.330	0.414	22.3
Back side	20	QPSK 1_0	20850/2510	1:1	0.490	0.247	0.15	17.96	19.20	1.330	0.652	22.3
Back side with code60	20	QPSK 1_0	20850/2510	1:1	0.477	0.239	0.04	17.96	19.20	1.330	0.635	22.3
Back side	20	QPSK 1_99	20850/2510	1:1	0.444	0.223	0.05	17.69	19.20	1.416	0.629	22.3
		QPSK 1_0	20148/2529.8									



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Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	20850/2510	1:1	0.310	0.126	-0.10	18.13	19.20	1.279	0.397	22.3
Back side	20	QPSK 50_25	20850/2510	1:1	0.506	0.253	0.08	18.13	19.20	1.279	0.647	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	20850/2510	1:1	0.207	0.103	0.03	17.96	19.20	1.330	0.275	22.3
Back side	20	QPSK 1_0	20850/2510	1:1	0.352	0.165	0.10	17.96	19.20	1.330	0.468	22.3
Left side	20	QPSK 1_0	20850/2510	1:1	0.364	0.161	-0.02	17.96	19.20	1.330	0.484	22.3
Top side	20	QPSK 1_0	20850/2510	1:1	0.074	0.038	-0.03	17.96	19.20	1.330	0.098	22.3
Left side with code60	20	QPSK 1_0	20850/2510	1:1	0.356	0.155	-0.13	17.96	19.20	1.330	0.474	22.3
Left side	20	QPSK 1_99	20850/2510	1:1	0.329	0.147	-0.07	17.69	19.20	1.416	0.466	22.3
		QPSK 1_0	20148/2529.8									
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	20850/2510	1:1	0.180	0.091	-0.17	18.00	19.20	1.318	0.237	22.3
Back side	20	QPSK 50_0	20850/2510	1:1	0.298	0.144	-0.15	18.00	19.20	1.318	0.393	22.3
Left side	20	QPSK 50_0	20850/2510	1:1	0.331	0.147	0.01	18.00	19.20	1.318	0.436	22.3
Top side	20	QPSK 50_0	20850/2510	1:1	0.056	0.030	0.04	18.00	19.20	1.318	0.074	22.3
Ant 5 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_50	21350/2560	1:1	0.282	0.129	-0.01	17.23	18.50	1.340	0.378	22.3
Left tilted	20	QPSK 1_50	21350/2560	1:1	0.101	0.054	-0.10	17.23	18.50	1.340	0.135	22.3
Right cheek	20	QPSK 1_50	21350/2560	1:1	0.585	0.270	0.01	17.23	18.50	1.340	0.784	22.3
Right tilted	20	QPSK 1_50	21350/2560	1:1	0.060	0.033	0.06	17.23	18.50	1.340	0.080	22.3
Right cheek	20	QPSK 1_99	20850/2510	1:1	0.661	0.278	0.01	17.20	18.50	1.349	0.892	22.3
Right cheek	20	QPSK 1_99	21100/2535	1:1	0.518	0.231	-0.06	17.20	18.50	1.349	0.699	22.3
Right cheek with code60	20	QPSK 1_99	20850/2510	1:1	0.646	0.267	-0.05	17.20	18.50	1.349	0.871	22.3
Right cheek	20	QPSK 1_99	20850/2510	1:1	0.618	0.260	0.01	17.04	18.50	1.400	0.865	22.3
		QPSK 1_0	20148/2529.8									
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_25	21350/2560	1:1	0.280	0.128	-0.12	17.25	18.50	1.334	0.373	22.3
Left tilted	20	QPSK 50_25	21350/2560	1:1	0.104	0.056	0.15	17.25	18.50	1.334	0.139	22.3
Right cheek	20	QPSK 50_25	21350/2560	1:1	0.601	0.275	-0.14	17.25	18.50	1.334	0.801	22.3
Right tilted	20	QPSK 50_25	21350/2560	1:1	0.063	0.035	0.06	17.25	18.50	1.334	0.084	22.3
Right cheek	20	QPSK 50_50	20850/2510	1:1	0.644	0.287	-0.18	17.24	18.50	1.337	0.861	22.3
Right cheek	20	QPSK 50_25	21100/2535	1:1	0.459	0.205	0.16	17.17	18.50	1.358	0.623	22.3
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	21350/2560	1:1	0.603	0.269	-0.14	17.19	18.50	1.352	0.815	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_50	21350/2560	1:1	0.356	0.168	-0.17	17.67	19.00	1.358	0.484	22.3
Back side	20	QPSK 1_50	21350/2560	1:1	0.664	0.298	-0.03	17.67	19.00	1.358	0.902	22.3
Back side with code60	20	QPSK 1_50	21350/2560	1:1	0.647	0.292	0.14	17.67	19.00	1.358	0.879	22.3
Back side	20	QPSK 1_0	21350/2560	1:1	0.614	0.280	0.17	17.51	19.00	1.409	0.865	22.3
		QPSK 1_99	21152/2540.2									



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Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	21350/2560	1:1	0.386	0.175	0.01	17.70	19.00	1.349	0.521	22.3
Back side	20	QPSK 50_0	21350/2560	1:1	0.643	0.300	0.10	17.70	19.00	1.349	0.867	22.3
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK 100_0	21100/2535	1:1	0.622	0.288	0.04	17.70	19.00	1.349	0.839	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_50	21350/2560	1:1	0.284	0.138	0.00	17.23	18.50	1.340	0.380	22.3
Back side	20	QPSK 1_50	21350/2560	1:1	0.406	0.191	0.04	17.23	18.50	1.340	0.544	22.3
Right side	20	QPSK 1_50	21350/2560	1:1	0.541	0.251	-0.06	17.23	18.50	1.340	0.725	22.3
Right side	20	QPSK 1_0	21350/2560	1:1	0.561	0.259	-0.06	17.51	19.00	1.409	0.791	22.3
		QPSK 1_99	21152/2540.2									
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	21350/2560	1:1	0.285	0.141	-0.11	17.25	18.50	1.334	0.380	22.3
Back side	20	QPSK 50_25	21350/2560	1:1	0.431	0.202	-0.18	17.25	18.50	1.334	0.575	22.3
Right side	20	QPSK 50_25	21350/2560	1:1	0.625	0.287	-0.01	17.25	18.50	1.334	0.833	22.3
Right side with code60	20	QPSK 50_25	21350/2560	1:1	0.609	0.281	-0.18	17.25	18.50	1.334	0.812	22.3
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Right side	20	QPSK 100_0	21350/2560	1:1	0.589	0.268	0.16	17.19	18.50	1.352	0.796	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side with 10mm	21100/2535	0.938	0.912	1.029	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.



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9.2.9 SAR Result of LTE Band 12

LTE Band 12 SAR Test Record												
Ant 0 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.140	0.100	-0.17	24.89	25.50	1.151	0.161	22.3
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.076	0.057	-0.11	24.89	25.50	1.151	0.087	22.3
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.150	0.110	0.09	24.89	25.50	1.151	0.173	22.3
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.097	0.073	0.13	24.89	25.50	1.151	0.112	22.3
Head Test Data (50%RB) DS11												
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.114	0.081	-0.19	23.77	24.50	1.183	0.135	22.3
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.062	0.047	-0.08	23.77	24.50	1.183	0.073	22.3
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.122	0.090	0.01	23.77	24.50	1.183	0.144	22.3
Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.080	0.060	0.15	23.77	24.50	1.183	0.095	22.3
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	10	QPSK 1_0	23095/707.5	1:1	0.411	0.263	-0.16	24.89	25.50	1.151	0.473	22.1
Back side	10	QPSK 1_0	23095/707.5	1:1	0.566	0.367	0.15	24.89	25.50	1.151	0.651	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	10	QPSK 25_0	23095/707.5	1:1	0.331	0.212	0.16	23.77	24.50	1.183	0.392	22.1
Back side	10	QPSK 25_0	23095/707.5	1:1	0.460	0.297	-0.07	23.77	24.50	1.183	0.544	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	10	QPSK 1_0	23095/707.5	1:1	0.227	0.163	-0.08	24.89	25.50	1.151	0.261	21.8
Back side	10	QPSK 1_0	23095/707.5	1:1	0.287	0.205	-0.05	24.89	25.50	1.151	0.330	21.8
Right side	10	QPSK 1_0	23095/707.5	1:1	0.132	0.093	0.13	24.89	25.50	1.151	0.152	21.8
Bottom side	10	QPSK 1_0	23095/707.5	1:1	0.099	0.067	0.19	24.89	25.50	1.151	0.114	21.8
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	10	QPSK 25_0	23095/707.5	1:1	0.185	0.132	-0.06	23.77	24.50	1.183	0.219	21.8
Back side	10	QPSK 25_0	23095/707.5	1:1	0.233	0.167	0.04	23.77	24.50	1.183	0.276	21.8
Right side	10	QPSK 25_0	23095/707.5	1:1	0.111	0.078	0.17	23.77	24.50	1.183	0.131	21.8
Bottom side	10	QPSK 25_0	23095/707.5	1:1	0.080	0.054	-0.18	23.77	24.50	1.183	0.095	21.8
Ant 1 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	10	QPSK 1_25	23095/707.5	1:1	0.499	0.271	0.09	24.60	25.70	1.288	0.643	22.3
Left tilted	10	QPSK 1_25	23095/707.5	1:1	0.144	0.098	-0.05	24.60	25.70	1.288	0.186	22.3
Right cheek	10	QPSK 1_25	23095/707.5	1:1	0.566	0.314	-0.01	24.60	25.70	1.288	0.729	22.3
Right tilted	10	QPSK 1_25	23095/707.5	1:1	0.139	0.087	0.19	24.60	25.70	1.288	0.179	22.3
Head Test Data (50%RB) DS11												
Left cheek	10	QPSK 25_13	23095/707.5	1:1	0.401	0.220	-0.18	23.61	24.70	1.285	0.515	22.3
Left tilted	10	QPSK 25_13	23095/707.5	1:1	0.114	0.078	0.19	23.61	24.70	1.285	0.147	22.3



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Right cheek	10	QPSK 25_13	23095/707.5	1:1	0.465	0.255	0.08	23.61	24.70	1.285	0.598	22.3
Right tilted	10	QPSK 25_13	23095/707.5	1:1	0.110	0.069	-0.01	23.61	24.70	1.285	0.141	22.3
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	10	QPSK 1_25	23095/707.5	1:1	0.366	0.194	-0.11	22.27	23.20	1.239	0.453	22.1
Back side	10	QPSK 1_25	23095/707.5	1:1	0.560	0.299	0.04	22.27	23.20	1.239	0.694	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	10	QPSK 25_13	23095/707.5	1:1	0.368	0.195	0.12	22.32	23.20	1.225	0.451	22.1
Back side	10	QPSK 25_13	23095/707.5	1:1	0.555	0.296	0.17	22.32	23.20	1.225	0.680	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	10	QPSK 1_25	23095/707.5	1:1	0.331	0.190	0.19	22.27	23.20	1.239	0.410	22.3
Back side	10	QPSK 1_25	23095/707.5	1:1	0.478	0.272	0.08	22.27	23.20	1.239	0.592	22.3
Left side	10	QPSK 1_25	23095/707.5	1:1	0.825	0.504	0.02	22.27	23.20	1.239	1.022	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	10	QPSK 25_13	23095/707.5	1:1	0.251	0.147	-0.10	22.33	23.20	1.222	0.307	22.3
Back side	10	QPSK 25_13	23095/707.5	1:1	0.382	0.216	-0.05	22.33	23.20	1.222	0.467	22.3
Left side	10	QPSK 25_13	23095/707.5	1:1	0.590	0.356	0.13	22.33	23.20	1.222	0.721	22.3
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Left side	10	QPSK 50_0	23095/707.5	1:1	0.689	0.445	-0.06	22.24	23.20	1.247	0.859	22.3



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9.2.10 SAR Result of LTE Band 13

LTE Band 13 SAR Test Record												
Ant 0 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	10	QPSK 1_0	23230/782	1:1	0.207	0.144	-0.07	24.74	25.50	1.191	0.247	22.3
Left tilted	10	QPSK 1_0	23230/782	1:1	0.120	0.090	-0.17	24.74	25.50	1.191	0.143	22.3
Right cheek	10	QPSK 1_0	23230/782	1:1	0.205	0.149	-0.17	24.74	25.50	1.191	0.244	22.3
Right tilted	10	QPSK 1_0	23230/782	1:1	0.153	0.115	-0.04	24.74	25.50	1.191	0.182	22.3
Head Test Data (50%RB) DS11												
Left cheek	10	QPSK 25_0	23230/782	1:1	0.161	0.111	-0.13	23.89	24.50	1.151	0.185	22.3
Left tilted	10	QPSK 25_0	23230/782	1:1	0.094	0.070	-0.02	23.89	24.50	1.151	0.108	22.3
Right cheek	10	QPSK 25_0	23230/782	1:1	0.160	0.116	0.16	23.89	24.50	1.151	0.184	22.3
Right tilted	10	QPSK 25_0	23230/782	1:1	0.120	0.090	-0.13	23.89	24.50	1.151	0.138	22.3
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	10	QPSK 1_0	23230/782	1:1	0.543	0.334	-0.04	24.74	25.50	1.191	0.647	22.1
Back side	10	QPSK 1_0	23230/782	1:1	0.793	0.521	-0.03	24.74	25.50	1.191	0.945	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	10	QPSK 25_0	23230/782	1:1	0.430	0.265	0.06	23.89	24.50	1.151	0.495	22.1
Back side	10	QPSK 25_0	23230/782	1:1	0.655	0.412	0.17	23.89	24.50	1.151	0.754	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	10	QPSK 50_0	23230/782	1:1	0.645	0.408	-0.13	23.86	24.50	1.159	0.747	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	10	QPSK 1_0	23230/782	1:1	0.278	0.191	0.18	24.74	25.50	1.191	0.331	21.8
Back side	10	QPSK 1_0	23230/782	1:1	0.349	0.240	0.14	24.74	25.50	1.191	0.416	21.8
Right side	10	QPSK 1_0	23230/782	1:1	0.182	0.126	0.16	24.74	25.50	1.191	0.217	21.8
Bottom side	10	QPSK 1_0	23230/782	1:1	0.169	0.113	-0.18	24.74	25.50	1.191	0.201	21.8
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	10	QPSK 25_0	23230/782	1:1	0.218	0.150	-0.09	23.89	24.50	1.151	0.251	21.8
Back side	10	QPSK 25_0	23230/782	1:1	0.271	0.187	0.17	23.89	24.50	1.151	0.312	21.8
Right side	10	QPSK 25_0	23230/782	1:1	0.141	0.098	-0.02	23.89	24.50	1.151	0.162	21.8
Bottom side	10	QPSK 25_0	23230/782	1:1	0.134	0.090	0.14	23.89	24.50	1.151	0.154	21.8
Ant 1 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	10	QPSK 1_25	23230/782	1:1	0.531	0.289	0.14	24.61	25.70	1.285	0.682	22.3
Left tilted	10	QPSK 1_25	23230/782	1:1	0.179	0.123	0.06	24.61	25.70	1.285	0.230	22.3
Right cheek	10	QPSK 1_25	23230/782	1:1	0.707	0.388	-0.01	24.61	25.70	1.285	0.909	22.3
Right tilted	10	QPSK 1_25	23230/782	1:1	0.196	0.124	-0.19	24.61	25.70	1.285	0.252	22.3
Head Test Data (50%RB) DS11												



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Left cheek	10	QPSK 25_0	23230/782	1:1	0.444	0.240	-0.09	23.78	24.70	1.236	0.549	22.3
Left tilted	10	QPSK 25_0	23230/782	1:1	0.151	0.104	0.00	23.78	24.70	1.236	0.187	22.3
Right cheek	10	QPSK 25_0	23230/782	1:1	0.586	0.324	0.02	23.78	24.70	1.236	0.724	22.3
Right tilted	10	QPSK 25_0	23230/782	1:1	0.163	0.103	0.16	23.78	24.70	1.236	0.201	22.3
Head Test Data (100%RB) DSI1												
Right cheek	10	QPSK 50_0	23230/782	1:1	0.552	0.305	0.13	23.75	24.70	1.245	0.687	22.3
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	10	QPSK 1_25	23230/782	1:1	0.291	0.156	0.15	21.71	22.70	1.256	0.366	22.1
Back side	10	QPSK 1_25	23230/782	1:1	0.422	0.224	0.04	21.71	22.70	1.256	0.530	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	10	QPSK 25_0	23230/782	1:1	0.317	0.169	0.04	21.41	22.70	1.346	0.427	22.1
Back side	10	QPSK 25_0	23230/782	1:1	0.443	0.236	-0.13	21.41	22.70	1.346	0.596	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	10	QPSK 1_25	23230/782	1:1	0.369	0.212	0.18	21.71	22.70	1.256	0.463	22.3
Back side	10	QPSK 1_25	23230/782	1:1	0.526	0.299	0.04	21.71	22.70	1.256	0.661	22.3
Left side	10	QPSK 1_25	23230/782	1:1	0.839	0.496	-0.03	21.71	22.70	1.256	1.054	22.3
Left side with Repeat	10	QPSK 1_25	23230/782	1:1	0.818	0.468	0.03	21.71	22.70	1.256	1.027	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	10	QPSK 25_0	23230/782	1:1	0.321	0.182	0.12	21.41	22.70	1.346	0.432	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.441	0.249	0.04	21.41	22.70	1.346	0.594	22.3
Left side	10	QPSK 25_0	23230/782	1:1	0.618	0.393	0.09	21.41	22.70	1.346	0.832	22.3
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Front side	10	QPSK 50_0	23230/782	1:1	0.633	0.421	0.18	21.73	22.70	1.250	0.791	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left side	23230/782	0.839	0.818	1.026	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.



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9.2.11 SAR Result of LTE Band 26

LTE Band 26 SAR Test Record												
Ant 0 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	15	QPSK 1_38	26865/831.5	1:1	0.245	0.170	0.12	25.10	25.70	1.148	0.281	22.3
Left tilted	15	QPSK 1_38	26865/831.5	1:1	0.128	0.097	0.00	25.10	25.70	1.148	0.147	22.3
Right cheek	15	QPSK 1_38	26865/831.5	1:1	0.281	0.201	-0.03	25.10	25.70	1.148	0.323	22.3
Right tilted	15	QPSK 1_38	26865/831.5	1:1	0.180	0.135	0.04	25.10	25.70	1.148	0.207	22.3
Head Test Data (50%RB) DSI1												
Left cheek	15	QPSK 36_18	26865/831.5	1:1	0.194	0.135	-0.01	24.06	24.70	1.159	0.225	22.3
Left tilted	15	QPSK 36_18	26865/831.5	1:1	0.102	0.077	-0.07	24.06	24.70	1.159	0.118	22.3
Right cheek	15	QPSK 36_18	26865/831.5	1:1	0.225	0.160	0.18	24.06	24.70	1.159	0.261	22.3
Right tilted	15	QPSK 36_18	26865/831.5	1:1	0.144	0.107	-0.03	24.06	24.70	1.159	0.167	22.3
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	15	QPSK 1_38	26865/831.5	1:1	0.509	0.325	-0.18	24.82	25.20	1.091	0.556	22.1
Back side	15	QPSK 1_38	26865/831.5	1:1	0.918	0.603	-0.02	24.82	25.20	1.091	1.002	22.3
Back side with Repeat	15	QPSK 1_38	26865/831.5	1:1	0.902	0.578	-0.07	24.82	25.20	1.091	0.984	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	15	QPSK 36_18	26865/831.5	1:1	0.453	0.288	0.03	24.30	24.70	1.096	0.497	22.1
Back side	15	QPSK 36_18	26865/831.5	1:1	0.660	0.421	0.17	24.30	24.70	1.096	0.724	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	15	QPSK 75_0	26865/831.5	1:1	0.721	0.448	0.18	24.37	24.70	1.079	0.778	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	15	QPSK 1_38	26865/831.5	1:1	0.305	0.195	0.00	25.10	25.70	1.148	0.350	22.7
Back side	15	QPSK 1_38	26865/831.5	1:1	0.420	0.265	0.06	25.10	25.70	1.148	0.482	22.7
Right side	15	QPSK 1_38	26865/831.5	1:1	0.381	0.246	-0.03	25.10	25.70	1.148	0.437	22.7
Bottom side	15	QPSK 1_38	26865/831.5	1:1	0.250	0.152	0.10	25.10	25.70	1.148	0.287	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	15	QPSK 36_18	26865/831.5	1:1	0.243	0.154	-0.11	24.06	24.70	1.159	0.282	22.7
Back side	15	QPSK 36_18	26865/831.5	1:1	0.322	0.206	0.09	24.06	24.70	1.159	0.373	22.7
Right side	15	QPSK 36_18	26865/831.5	1:1	0.286	0.185	0.09	24.06	24.70	1.159	0.331	22.7
Bottom side	15	QPSK 36_18	26865/831.5	1:1	0.200	0.118	0.12	24.06	24.70	1.159	0.232	22.7
Ant 1 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.607	0.334	-0.02	24.44	25.20	1.191	0.723	22.3
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.194	0.135	-0.12	24.44	25.20	1.191	0.231	22.3
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.816	0.445	-0.05	24.44	25.20	1.191	0.972	22.3
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.211	0.135	-0.05	24.44	25.20	1.191	0.251	22.3



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Head Test Data (50%RB) DSI1												
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.530	0.292	0.15	23.96	24.70	1.186	0.628	22.3
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.169	0.118	-0.14	23.96	24.70	1.186	0.200	22.3
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.656	0.360	0.19	23.96	24.70	1.186	0.778	22.3
Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.187	0.119	-0.09	23.96	24.70	1.186	0.222	22.3
Head Test Data (100%RB) DSI1												
Right cheek	15	QPSK 75_0	26865/831.5	1:1	0.653	0.360	0.03	23.94	24.70	1.191	0.778	22.3
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	15	QPSK 1_74	26865/831.5	1:1	0.371	0.195	-0.10	21.94	22.70	1.191	0.442	22.1
Back side	15	QPSK 1_74	26865/831.5	1:1	0.518	0.270	-0.08	21.94	22.70	1.191	0.617	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	15	QPSK 36_0	26865/831.5	1:1	0.365	0.193	-0.07	21.80	22.70	1.230	0.449	22.1
Back side	15	QPSK 36_0	26865/831.5	1:1	0.525	0.272	0.08	21.80	22.70	1.230	0.646	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	15	QPSK 1_0	26865/831.5	1:1	0.382	0.217	0.13	21.94	22.70	1.191	0.455	22.7
Back side	15	QPSK 1_0	26865/831.5	1:1	0.516	0.296	-0.03	21.94	22.70	1.191	0.615	22.7
Left side	15	QPSK 1_0	26865/831.5	1:1	0.914	0.528	0.00	21.94	22.70	1.191	1.089	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	15	QPSK 36_0	26865/831.5	1:1	0.331	0.190	-0.12	21.80	22.70	1.230	0.407	22.7
Back side	15	QPSK 36_0	26865/831.5	1:1	0.459	0.260	0.03	21.80	22.70	1.230	0.565	22.7
Left side	15	QPSK 36_0	26865/831.5	1:1	0.865	0.492	-0.04	21.80	22.70	1.230	1.064	22.7
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Left side	15	QPSK 75_0	26865/831.5	1:1	0.845	0.488	-0.12	21.64	22.70	1.276	1.079	22.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side	26865/831.5	0.918	0.902	1.018	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.



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9.2.12 SAR Result of LTE Band 38

LTE Band 38 SAR Test Record												
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.254	0.126	0.01	23.28	23.70	1.102	0.280	22.1
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.339	0.162	-0.11	23.28	23.70	1.102	0.373	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	38000/2595	1:1.58	0.246	0.125	0.05	23.29	23.70	1.099	0.270	22.1
Back side	20	QPSK 50_25	38000/2595	1:1.58	0.330	0.158	-0.02	23.29	23.70	1.099	0.363	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.255	0.126	-0.01	23.28	23.70	1.102	0.281	22.1
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.338	0.160	-0.16	23.28	23.70	1.102	0.372	22.1
Left side	20	QPSK 1_0	38000/2595	1:1.58	0.083	0.044	0.16	23.28	23.70	1.102	0.091	22.1
Bottom side	20	QPSK 1_0	38000/2595	1:1.58	0.355	0.165	-0.07	23.28	23.70	1.102	0.391	22.1
Bottom side	20	QPSK 1_99	37901/2585.1	1:1.58	0.313	0.147	-0.17	22.86	23.70	1.213	0.380	22.1
		QPSK 1_0	38099/2604.9									
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	38000/2595	1:1.58	0.232	0.117	-0.12	23.29	23.70	1.099	0.255	22.1
Back side	20	QPSK 50_25	38000/2595	1:1.58	0.325	0.156	-0.08	23.29	23.70	1.099	0.357	22.1
Left side	20	QPSK 50_25	38000/2595	1:1.58	0.072	0.037	0.14	23.29	23.70	1.099	0.079	22.1
Bottom side	20	QPSK 50_25	38000/2595	1:1.58	0.331	0.150	-0.06	23.29	23.70	1.099	0.364	22.1
Ant 5 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_50	38000/2595	1:1.58	0.268	0.122	-0.03	18.26	19.50	1.330	0.357	22.1
Back side	20	QPSK 1_50	38000/2595	1:1.58	0.344	0.158	-0.09	18.26	19.50	1.330	0.458	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	38000/2595	1:1.58	0.272	0.124	0.15	18.36	19.50	1.300	0.354	22.1
Back side	20	QPSK 50_25	38000/2595	1:1.58	0.352	0.161	-0.02	18.36	19.50	1.300	0.458	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												
Front side	20	QPSK 100_0	38000/2595	1:1.58	0.286	0.125	0.00	18.29	19.50	1.321	0.378	22.1
Back side	20	QPSK 100_0	38000/2595	1:1.58	0.384	0.164	0.05	18.29	19.50	1.321	0.507	22.3
Back side	20	QPSK 1_99	37901/2585.1	1:1.58	0.362	0.153	0.02	18.17	19.50	1.358	0.492	22.3
		QPSK 1_0	38099/2604.9									
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_50	38000/2595	1:1.58	0.274	0.130	-0.18	19.63	21.00	1.371	0.376	22.3
Back side	20	QPSK 1_50	38000/2595	1:1.58	0.381	0.177	-0.17	19.63	21.00	1.371	0.522	22.3
Right side	20	QPSK 1_50	38000/2595	1:1.58	0.425	0.200	0.12	19.63	21.00	1.371	0.583	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.286	0.136	-0.01	19.60	21.00	1.380	0.395	22.3



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Back side	20	QPSK 50_0	38000/2595	1:1.58	0.410	0.187	-0.13	19.60	21.00	1.380	0.566	22.3
Right side	20	QPSK 50_0	38000/2595	1:1.58	0.472	0.215	-0.02	19.60	21.00	1.380	0.652	22.3
Right side	20	QPSK 1_99	37901/2585.1	1:1.58	0.468	0.215	0.08	19.72	21.00	1.343	0.628	22.3
		QPSK 1_0	38099/2604.9									



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9.2.13 SAR Result of LTE Band 41

LTE Band 41 SAR Test Record												
Ant 2 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	20	QPSK 1_50	39750/2506	1:1.58	0.387	0.219	-0.01	19.36	20.20	1.213	0.470	22.3
Left tilted	20	QPSK 1_50	39750/2506	1:1.58	0.367	0.198	-0.04	19.36	20.20	1.213	0.445	22.3
Right cheek	20	QPSK 1_50	39750/2506	1:1.58	0.849	0.461	0.07	19.36	20.20	1.213	1.030	22.3
Right tilted	20	QPSK 1_50	39750/2506	1:1.58	0.752	0.384	-0.06	19.36	20.20	1.213	0.912	22.3
Right cheek	20	QPSK 1_50	40185/2549.5	1:1.58	0.808	0.419	0.08	19.28	20.20	1.236	0.999	22.3
Right cheek	20	QPSK 1_99	40620/2593	1:1.58	0.827	0.419	-0.10	19.35	20.20	1.216	1.006	22.3
Right cheek	20	QPSK 1_99	41055/2636.5	1:1.58	0.701	0.351	-0.06	19.32	20.20	1.225	0.858	22.3
Right cheek	20	QPSK 1_99	41490/2680	1:1.58	0.517	0.258	-0.07	19.35	20.20	1.216	0.629	22.3
Right tilted	20	QPSK 1_50	40185/2549.5	1:1.58	0.700	0.362	0.11	19.28	20.20	1.236	0.865	22.3
Right tilted	20	QPSK 1_99	40620/2593	1:1.58	0.742	0.383	-0.06	19.35	20.20	1.216	0.902	22.3
Right tilted	20	QPSK 1_99	41055/2636.5	1:1.58	0.631	0.320	0.18	19.32	20.20	1.225	0.773	22.3
Right tilted	20	QPSK 1_99	41490/2680	1:1.58	0.497	0.246	0.04	19.35	20.20	1.216	0.604	22.3
Head Test Data (50%RB) DS11												
Left cheek	20	QPSK 50_25	41490/2680	1:1.58	0.356	0.201	0.14	19.38	20.20	1.208	0.430	22.3
Left tilted	20	QPSK 50_25	41490/2680	1:1.58	0.396	0.204	-0.16	19.38	20.20	1.208	0.478	22.3
Right cheek	20	QPSK 50_25	41490/2680	1:1.58	0.790	0.396	0.13	19.38	20.20	1.208	0.954	22.3
Right tilted	20	QPSK 50_25	41490/2680	1:1.58	0.731	0.367	0.12	19.38	20.20	1.208	0.883	22.3
Right cheek	20	QPSK 50_50	39750/2506	1:1.58	0.752	0.360	0.03	19.36	20.20	1.213	0.912	22.3
Right cheek	20	QPSK 50_50	40185/2549.5	1:1.58	0.804	0.400	0.00	19.31	20.20	1.227	0.987	22.3
Right cheek	20	QPSK 50_25	40620/2593	1:1.58	0.652	0.302	0.16	19.32	20.20	1.225	0.798	22.3
Right cheek	20	QPSK 50_25	41055/2636.5	1:1.58	0.503	0.246	0.07	19.37	20.20	1.211	0.609	22.3
Right tilted	20	QPSK 50_50	39750/2506	1:1.58	0.651	0.311	-0.08	19.36	20.20	1.213	0.790	22.3
Right tilted	20	QPSK 50_50	40185/2549.5	1:1.58	0.722	0.365	0.15	19.31	20.20	1.227	0.886	22.3
Right tilted	20	QPSK 50_25	40620/2593	1:1.58	0.587	0.275	-0.07	19.32	20.20	1.225	0.719	22.3
Right tilted	20	QPSK 50_25	41055/2636.5	1:1.58	0.484	0.234	-0.14	19.37	20.20	1.211	0.586	22.3
Head Test Data (100%RB) DS11												
Right cheek	20	QPSK 100_0	39750/2506	1:1.58	0.857	0.457	0.02	19.48	20.20	1.180	1.012	22.3
Right tilted	20	QPSK 100_0	39750/2506	1:1.58	0.749	0.391	0.12	19.48	20.20	1.180	0.884	22.3
Body worn Test data (Separate 5mm 1RB) Sensor on DS13												
Front side	20	QPSK 1_0	41490/2680	1:1.58	0.571	0.292	0.13	21.41	22.20	1.199	0.685	22.1
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.694	0.305	0.03	21.41	22.20	1.199	0.832	22.1
Front side	20	QPSK 1_50	39750/2506	1:1.58	0.573	0.277	-0.06	21.38	22.20	1.208	0.692	22.1
Front side	20	QPSK 1_50	40185/2549.5	1:1.58	0.609	0.299	-0.05	21.25	22.20	1.245	0.758	22.3
Front side	20	QPSK 1_50	40620/2593	1:1.58	0.541	0.270	-0.17	21.35	22.20	1.216	0.658	22.1
Front side	20	QPSK 1_99	41055/2636.5	1:1.58	0.545	0.271	0.02	21.33	22.20	1.222	0.666	22.1
Back side	20	QPSK 1_50	39750/2506	1:1.58	0.699	0.338	0.09	21.38	22.20	1.208	0.844	22.1
Back side	20	QPSK 1_50	40185/2549.5	1:1.58	0.743	0.365	-0.02	21.25	22.20	1.245	0.925	22.3



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Back side	20	QPSK 1_50	40620/2593	1:1.58	0.660	0.329	-0.18	21.35	22.20	1.216	0.803	22.1
Back side	20	QPSK 1_99	41055/2636.5	1:1.58	0.665	0.331	-0.14	21.33	22.20	1.222	0.812	22.1
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_50	41055/2636.5	1:1.58	0.519	0.281	-0.14	21.42	22.20	1.197	0.621	22.1
Back side	20	QPSK 50_50	41055/2636.5	1:1.58	0.564	0.284	-0.12	21.42	22.20	1.197	0.675	22.1
Front side	20	QPSK 50_50	39750/2506	1:1.58	0.586	0.271	-0.10	21.37	22.20	1.211	0.709	22.1
Front side	20	QPSK 50_50	40185/2549.5	1:1.58	0.629	0.311	0.01	21.31	22.20	1.227	0.772	22.3
Front side	20	QPSK 50_25	40620/2593	1:1.58	0.561	0.263	0.04	21.35	22.20	1.216	0.682	22.1
Front side	20	QPSK 50_25	41490/2680	1:1.58	0.494	0.222	-0.05	21.41	22.20	1.199	0.593	22.1
Back side	20	QPSK 50_50	39750/2506	1:1.58	0.651	0.301	0.10	21.37	22.20	1.211	0.788	22.1
Back side	20	QPSK 50_50	40185/2549.5	1:1.58	0.699	0.346	-0.08	21.31	22.20	1.227	0.858	22.3
Back side	20	QPSK 50_25	40620/2593	1:1.58	0.623	0.292	-0.10	21.35	22.20	1.216	0.758	22.1
Back side	20	QPSK 50_25	41490/2680	1:1.58	0.549	0.247	0.14	21.41	22.20	1.199	0.659	22.1
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	20	QPSK 100_0	39750/2506	1:1.58	0.445	0.215	0.03	21.44	22.20	1.191	0.530	22.1
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_0	41490/2680	1:1.58	0.529	0.285	-0.13	24.89	25.70	1.205	0.637	22.1
Back side with 10mm	20	QPSK 1_0	41490/2680	1:1.58	0.613	0.325	0.08	24.89	25.70	1.205	0.739	22.1
Front side with 10mm	20	QPSK 1_99	39750/2506	1:1.58	0.533	0.258	-0.03	24.74	25.70	1.247	0.665	22.1
Front side with 10mm	20	QPSK 1_99	40185/2549.5	1:1.58	0.530	0.260	0.10	24.82	25.70	1.225	0.649	22.1
Front side with 10mm	20	QPSK 1_0	40620/2593	1:1.58	0.503	0.251	0.00	24.72	25.70	1.253	0.630	22.1
Front side with 10mm	20	QPSK 1_50	41055/2636.5	1:1.58	0.496	0.247	-0.04	24.69	25.70	1.262	0.626	22.1
Back side with 10mm	20	QPSK 1_99	39750/2506	1:1.58	0.650	0.314	-0.13	24.74	25.70	1.247	0.811	22.1
Back side with 10mm	20	QPSK 1_99	40185/2549.5	1:1.58	0.691	0.339	-0.16	24.82	25.70	1.225	0.846	22.1
Back side with 10mm	20	QPSK 1_0	40620/2593	1:1.58	0.574	0.286	0.02	24.72	25.70	1.253	0.719	22.1
Back side with 10mm	20	QPSK 1_50	41055/2636.5	1:1.58	0.579	0.288	0.04	24.69	25.70	1.262	0.731	22.1
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_50	41055/2636.5	1:1.58	0.508	0.274	-0.18	23.71	24.70	1.256	0.638	22.1
Back side with 10mm	20	QPSK 50_50	41055/2636.5	1:1.58	0.544	0.289	0.10	23.71	24.70	1.256	0.683	22.1
Front side with 10mm	20	QPSK 50_50	39750/2506	1:1.58	0.545	0.252	-0.08	23.69	24.70	1.262	0.688	22.1
Front side with 10mm	20	QPSK 50_50	40185/2549.5	1:1.58	0.547	0.271	-0.04	23.65	24.70	1.274	0.697	22.1
Front side with 10mm	20	QPSK 50_0	40620/2593	1:1.58	0.522	0.245	0.05	23.67	24.70	1.268	0.662	22.1
Front side with 10mm	20	QPSK 50_0	41490/2680	1:1.58	0.450	0.202	0.13	23.70	24.70	1.259	0.567	22.1
Front side with 10mm	20	QPSK 50_50	39750/2506	1:1.58	0.605	0.280	0.18	23.69	24.70	1.262	0.763	22.1
Front side with 10mm	20	QPSK 50_50	40185/2549.5	1:1.58	0.650	0.322	-0.17	23.65	24.70	1.274	0.828	22.1
Front side with 10mm	20	QPSK 50_0	40620/2593	1:1.58	0.542	0.254	-0.07	23.67	24.70	1.268	0.687	22.1
Front side with 10mm	20	QPSK 50_0	41490/2680	1:1.58	0.478	0.215	0.17	23.70	24.70	1.259	0.602	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_50	39750/2506	1:1.58	0.146	0.082	0.13	19.36	20.20	1.213	0.177	22.7
Back side	20	QPSK 1_50	39750/2506	1:1.58	0.174	0.090	0.02	19.36	20.20	1.213	0.211	22.7
Left side	20	QPSK 1_50	39750/2506	1:1.58	0.063	0.031	0.08	19.36	20.20	1.213	0.076	22.7
Top side	20	QPSK 1_50	39750/2506	1:1.58	0.143	0.069	0.10	19.36	20.20	1.213	0.174	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	41490/2680	1:1.58	0.102	0.056	-0.13	19.38	20.20	1.208	0.123	22.7



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Back side	20	QPSK 50_25	41490/2680	1:1.58	0.127	0.068	-0.10	19.38	20.20	1.208	0.153	22.7
Left side	20	QPSK 50_25	41490/2680	1:1.58	0.048	0.022	0.10	19.38	20.20	1.208	0.058	22.7
Top side	20	QPSK 50_25	41490/2680	1:1.58	0.151	0.069	0.16	19.38	20.20	1.208	0.182	22.7
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.157	0.085	0.18	25.10	25.70	1.148	0.180	22.3
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.046	0.025	-0.02	25.10	25.70	1.148	0.053	22.3
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.083	0.049	-0.06	25.10	25.70	1.148	0.095	22.3
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.055	0.029	0.12	25.10	25.70	1.148	0.063	22.3
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	41490/2680	1:1.58	0.073	0.039	0.14	24.25	24.70	1.109	0.081	22.3
Left tilted	20	QPSK 50_0	41490/2680	1:1.58	0.050	0.012	0.11	24.25	24.70	1.109	0.055	22.3
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.043	0.024	0.09	24.25	24.70	1.109	0.048	22.3
Right tilted	20	QPSK 50_0	41490/2680	1:1.58	0.023	0.009	-0.10	24.25	24.70	1.109	0.026	22.3
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.559	0.257	-0.01	22.59	23.20	1.151	0.643	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.800	0.369	-0.15	22.59	23.20	1.151	0.921	22.1
Back side	20	QPSK 1_0	39750/2506	1:1.58	0.779	0.362	-0.10	22.54	23.20	1.164	0.907	22.1
Back side	20	QPSK 1_0	40185/2549.5	1:1.58	0.796	0.379	0.03	22.56	23.20	1.159	0.922	22.1
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.683	0.309	0.12	22.59	23.20	1.151	0.786	22.1
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.546	0.243	-0.03	22.59	23.20	1.151	0.628	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.547	0.251	0.13	22.74	23.20	1.112	0.608	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.800	0.363	0.01	22.74	23.20	1.112	0.889	22.1
Back side	20	QPSK 50_25	39750/2506	1:1.58	0.784	0.363	0.03	22.70	23.20	1.122	0.880	22.1
Back side	20	QPSK 50_0	40185/2549.5	1:1.58	0.820	0.378	0.16	22.71	23.20	1.119	0.918	22.1
Back side	20	QPSK 50_0	41055/2636.5	1:1.58	0.669	0.302	0.10	22.74	23.20	1.112	0.744	22.1
Back side	20	QPSK 50_50	41490/2680	1:1.58	0.517	0.229	0.05	22.70	23.20	1.122	0.580	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK 100_0	40620/2593	1:1.58	0.788	0.358	0.12	22.67	23.20	1.130	0.890	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.288	0.146	-0.16	22.59	23.20	1.151	0.331	22.7
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.352	0.169	0.12	22.59	23.20	1.151	0.405	22.7
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.091	0.046	0.13	22.59	23.20	1.151	0.105	22.7
Bottom side	20	QPSK 1_0	40620/2593	1:1.58	0.387	0.183	0.02	22.59	23.20	1.151	0.445	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.287	0.144	-0.13	22.74	23.20	1.112	0.319	22.7
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.337	0.158	0.01	22.74	23.20	1.112	0.375	22.7
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.085	0.043	-0.14	22.74	23.20	1.112	0.094	22.7
Bottom side	20	QPSK 50_0	40620/2593	1:1.58	0.370	0.175	-0.12	22.74	23.20	1.112	0.411	22.7



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Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	41490/2680	1:1.58	0.217	0.113	0.03	20.93	21.50	1.140	0.247	22.1
Left tilted	20	QPSK 1_0	41490/2680	1:1.58	0.101	0.056	0.16	20.93	21.50	1.140	0.115	22.1
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.844	0.365	-0.04	20.93	21.50	1.140	0.962	22.1
Right tilted	20	QPSK 1_0	41490/2680	1:1.58	0.275	0.130	-0.03	20.93	21.50	1.140	0.314	22.1
Right cheek	20	QPSK 1_0	39750/2506	1:1.58	0.587	0.264	-0.13	20.91	21.50	1.146	0.672	22.1
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.660	0.297	-0.09	20.49	21.50	1.262	0.833	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.777	0.347	0.11	20.30	21.50	1.318	1.024	22.1
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.888	0.364	0.04	20.85	21.50	1.161	1.031	22.3
Right cheek with Repeat	20	QPSK 1_0	41055/2636.5	1:1.58	0.855	0.335	-0.02	20.85	21.50	1.161	0.993	22.3
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_25	41490/2680	1:1.58	0.210	0.109	0.04	21.13	21.50	1.089	0.229	22.1
Left tilted	20	QPSK 50_25	41490/2680	1:1.58	0.094	0.051	-0.12	21.13	21.50	1.089	0.102	22.1
Right cheek	20	QPSK 50_25	41490/2680	1:1.58	0.814	0.349	-0.02	21.13	21.50	1.089	0.886	22.1
Right tilted	20	QPSK 50_25	41490/2680	1:1.58	0.261	0.121	-0.04	21.13	21.50	1.089	0.284	22.1
Right cheek	20	QPSK 50_25	39750/2506	1:1.58	0.587	0.265	-0.19	21.05	21.50	1.109	0.651	22.1
Right cheek	20	QPSK 50_25	40185/2549.5	1:1.58	0.673	0.303	0.02	20.59	21.50	1.233	0.830	22.1
Right cheek	20	QPSK 50_25	40620/2593	1:1.58	0.789	0.352	0.04	20.41	21.50	1.285	1.014	22.1
Right cheek	20	QPSK 50_25	41055/2636.5	1:1.58	0.869	0.378	-0.13	21.12	21.50	1.091	0.948	22.1
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	40620/2593	1:1.58	0.797	0.354	-0.17	20.99	21.50	1.125	0.896	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_50	41490/2680	1:1.58	0.441	0.188	0.11	21.40	22.00	1.148	0.506	22.1
Back side	20	QPSK 1_50	41490/2680	1:1.58	0.647	0.305	-0.09	21.40	22.00	1.148	0.743	22.1
Back side	20	QPSK 1_50	39750/2506	1:1.58	0.677	0.298	-0.12	21.39	22.00	1.151	0.779	22.1
Back side	20	QPSK 1_50	40185/2549.5	1:1.58	0.647	0.298	0.07	20.96	22.00	1.271	0.822	22.1
Back side	20	QPSK 1_50	40620/2593	1:1.58	0.632	0.285	-0.05	20.79	22.00	1.321	0.835	22.1
Back side	20	QPSK 1_50	41055/2636.5	1:1.58	0.604	0.285	0.10	21.35	22.00	1.161	0.702	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	41490/2680	1:1.58	0.454	0.194	0.15	21.68	22.00	1.076	0.489	22.1
Back side	20	QPSK 50_0	41490/2680	1:1.58	0.725	0.318	0.16	21.68	22.00	1.076	0.780	22.1
Back side	20	QPSK 50_0	39750/2506	1:1.58	0.742	0.318	0.18	21.50	22.00	1.122	0.833	22.1
Back side	20	QPSK 50_0	40185/2549.5	1:1.58	0.709	0.333	0.10	21.12	22.00	1.225	0.868	22.1
Back side	20	QPSK 50_25	40620/2593	1:1.58	0.712	0.345	0.05	20.96	22.00	1.271	0.905	22.1
Back side	20	QPSK 50_0	41055/2636.5	1:1.58	0.777	0.333	0.15	21.67	22.00	1.079	0.838	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK 100_0	41055/2636.5	1:1.58	0.712	0.355	0.12	21.53	22.00	1.114	0.793	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	41490/2680	1:1.58	0.224	0.107	0.13	20.93	21.50	1.140	0.255	22.7
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.348	0.173	-0.04	20.93	21.50	1.140	0.397	22.7
Left side	20	QPSK 1_0	41490/2680	1:1.58	0.316	0.146	0.17	20.93	21.50	1.140	0.360	22.7



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Top side	20	QPSK 1_0	41490/2680	1:1.58	0.091	0.046	0.13	20.93	21.50	1.140	0.104	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	41490/2680	1:1.58	0.224	0.104	0.11	21.13	21.50	1.089	0.244	22.7
Back side	20	QPSK 50_25	41490/2680	1:1.58	0.348	0.164	0.08	21.13	21.50	1.089	0.379	22.7
Left side	20	QPSK 50_25	41490/2680	1:1.58	0.299	0.143	-0.06	21.13	21.50	1.089	0.326	22.7
Top side	20	QPSK 50_25	41490/2680	1:1.58	0.083	0.044	-0.01	21.13	21.50	1.089	0.090	22.7
Ant 5 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.332	0.161	0.00	19.97	21.00	1.268	0.421	22.1
Left tilted	20	QPSK 1_0	40185/2549.5	1:1.58	0.119	0.065	-0.07	19.97	21.00	1.268	0.151	22.1
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.697	0.316	0.03	19.97	21.00	1.268	0.884	22.1
Right tilted	20	QPSK 1_0	40185/2549.5	1:1.58	0.066	0.038	0.09	19.97	21.00	1.268	0.084	22.1
Right cheek	20	QPSK 1_50	39750/2506	1:1.58	0.571	0.261	-0.04	19.92	21.00	1.282	0.732	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.714	0.282	-0.03	19.73	21.00	1.340	0.957	22.3
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.737	0.348	-0.13	19.96	21.00	1.271	0.936	22.1
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.610	0.296	0.15	19.81	21.00	1.315	0.802	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_25	40185/2549.5	1:1.58	0.324	0.155	-0.06	19.96	21.00	1.271	0.412	22.1
Left tilted	20	QPSK 50_25	40185/2549.5	1:1.58	0.113	0.061	0.09	19.96	21.00	1.271	0.144	22.1
Right cheek	20	QPSK 50_25	40185/2549.5	1:1.58	0.683	0.311	-0.19	19.96	21.00	1.271	0.868	22.1
Right tilted	20	QPSK 50_25	40185/2549.5	1:1.58	0.064	0.037	0.17	19.96	21.00	1.271	0.081	22.1
Right cheek	20	QPSK 50_50	39750/2506	1:1.58	0.607	0.277	0.06	19.86	21.00	1.300	0.789	22.1
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.704	0.326	-0.09	19.89	21.00	1.291	0.909	22.1
Right cheek	20	QPSK 50_25	41055/2636.5	1:1.58	0.710	0.335	-0.04	19.95	21.00	1.274	0.904	22.1
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.572	0.278	-0.11	19.89	21.00	1.291	0.739	22.1
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	40185/2549.5	1:1.58	0.683	0.313	-0.09	19.90	21.00	1.288	0.880	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	41055/2636.5	1:1.58	0.290	0.130	-0.09	18.49	19.50	1.262	0.366	22.1
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.374	0.168	0.11	18.49	19.50	1.262	0.472	22.1
Back side	20	QPSK 1_0	39750/2506	1:1.58	0.275	0.128	0.12	18.41	19.50	1.285	0.353	22.1
Back side	20	QPSK 1_0	40185/2549.5	1:1.58	0.357	0.163	0.00	18.40	19.50	1.288	0.460	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.432	0.182	-0.03	18.25	19.50	1.334	0.576	22.3
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.290	0.137	-0.10	18.39	19.50	1.291	0.374	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	41055/2636.5	1:1.58	0.287	0.127	0.10	18.50	19.50	1.259	0.361	22.1
Back side	20	QPSK 50_0	41055/2636.5	1:1.58	0.370	0.167	0.05	18.50	19.50	1.259	0.466	22.1
Back side	20	QPSK 50_0	39750/2506	1:1.58	0.287	0.132	0.11	18.43	19.50	1.279	0.367	22.1
Back side	20	QPSK 50_0	40185/2549.5	1:1.58	0.361	0.165	0.15	18.48	19.50	1.265	0.457	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.360	0.165	0.08	18.34	19.50	1.306	0.470	22.1
Back side	20	QPSK 50_0	41490/2680	1:1.58	0.272	0.129	-0.05	18.47	19.50	1.268	0.345	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												



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