

10.3.4 SAR Result of WCDMA Band IV

WB4 SAR Test Record										
Ant 0 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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 SET_1										
Left cheek	RMC	1412/1732.4	1:1	0.564	0.14	18.19	19.00	1.205	0.680	22.4
Left tilted	RMC	1412/1732.4	1:1	0.622	0.06	18.19	19.00	1.205	0.750	22.4
Right cheek	RMC	1412/1732.4	1:1	0.958	-0.01	18.19	19.00	1.205	1.154	22.4
Right cheek-repeated	RMC	1412/1732.4	1:1	0.951	-0.13	18.19	19.00	1.205	1.146	22.4
Right cheek	RMC	1312/1712.4	1:1	0.907	-0.18	18.06	19.00	1.242	1.126	22.4
Right cheek	RMC	1513/1752.6	1:1	0.912	0.03	18.05	19.00	1.245	1.135	22.4
Right tilted	RMC	1412/1732.4	1:1	0.837	-0.01	18.19	19.00	1.205	1.009	22.4
Right tilted	RMC	1312/1712.4	1:1	0.773	-0.09	18.06	19.00	1.242	0.960	22.4
Right tilted	RMC	1513/1752.6	1:1	0.784	0.03	18.05	19.00	1.245	0.976	22.4
Body worn Test data(Separate 10mm) SET_2										
Front side	RMC	1412/1732.4	1:1	0.259	0.14	20.26	21.00	1.186	0.307	22.4
Back side	RMC	1412/1732.4	1:1	0.476	0.02	20.26	21.00	1.186	0.565	22.4
Hotspot Test data(Separate 10mm) SET_2										
Front side	RMC	1412/1732.4	1:1	0.259	0.14	20.26	21.00	1.186	0.307	22.4
Back side	RMC	1412/1732.4	1:1	0.476	0.02	20.26	21.00	1.186	0.565	22.4
Left side	RMC	1412/1732.4	1:1	0.155	0.07	20.26	21.00	1.186	0.184	22.4
Top side	RMC	1412/1732.4	1:1	0.616	0.02	20.26	21.00	1.186	0.731	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	1412/1732.4	0.958	0.951	1.007	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.

10.3.5 SAR Result of WCDMA Band V

WB5 SAR Test Record										
Ant 2 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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 SET_1										
Left cheek	RMC	4182/836.4	1:1	0.055	0.11	21.29	22.00	1.178	0.065	22.6
Left tilted	RMC	4182/836.4	1:1	0.021	-0.08	21.29	22.00	1.178	0.025	22.6
Right cheek	RMC	4182/836.4	1:1	0.083	0.02	21.29	22.00	1.178	0.098	22.6
Right tilted	RMC	4182/836.4	1:1	0.042	0.17	21.29	22.00	1.178	0.049	22.6
Body worn Test data(Separate 10mm) SET_2										
Front side	RMC	4182/836.4	1:1	0.134	0.02	21.29	22.00	1.178	0.158	22.6
Back side	RMC	4182/836.4	1:1	0.307	0.10	21.29	22.00	1.178	0.362	22.6
Hotspot Test data(Separate 10mm) SET_2										
Front side	RMC	4182/836.4	1:1	0.134	0.02	21.29	22.00	1.178	0.158	22.6
Back side	RMC	4182/836.4	1:1	0.307	0.10	21.29	22.00	1.178	0.362	22.6
Right side	RMC	4182/836.4	1:1	0.204	0.05	21.29	22.00	1.178	0.240	22.6
Bottom side	RMC	4182/836.4	1:1	0.135	-0.16	21.29	22.00	1.178	0.159	22.6

10.3.6 SAR Result of LTE Band 7

LTE Band 7 SAR Test Record											
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.189	0.07	16.04	17.00	1.247	0.236	22.6
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.129	-0.03	16.04	17.00	1.247	0.161	22.6
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.499	-0.03	16.04	17.00	1.247	0.622	22.6
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.236	0.07	16.04	17.00	1.247	0.294	22.6
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.171	0.07	15.94	17.00	1.276	0.218	22.6
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.124	-0.19	15.94	17.00	1.276	0.158	22.6
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.462	-0.05	15.94	17.00	1.276	0.590	22.6
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.220	0.13	15.94	17.00	1.276	0.281	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	21100/2535	1:1	0.233	0.01	18.98	20.00	1.265	0.295	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.532	0.04	18.98	20.00	1.265	0.673	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	21100/2535	1:1	0.238	0.05	18.92	20.00	1.282	0.305	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.504	-0.01	18.92	20.00	1.282	0.646	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	21100/2535	1:1	0.233	0.01	18.98	20.00	1.265	0.295	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.532	0.04	18.98	20.00	1.265	0.673	22.6
Left side	20	QPSK 1_0	21100/2535	1:1	0.362	0.08	18.98	20.00	1.265	0.458	22.6
Top side	20	QPSK 1_0	21100/2535	1:1	0.148	-0.10	18.98	20.00	1.265	0.187	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	21100/2535	1:1	0.238	0.05	18.92	20.00	1.282	0.305	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.504	-0.01	18.92	20.00	1.282	0.646	22.6
Left side	20	QPSK 50_0	21100/2535	1:1	0.353	0.06	18.92	20.00	1.282	0.453	22.6
Top side	20	QPSK 50_0	21100/2535	1:1	0.156	-0.08	18.92	20.00	1.282	0.200	22.6
Ant 3 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.166	-0.16	23.34	24.50	1.306	0.217	22.6
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.068	0.05	23.34	24.50	1.306	0.089	22.6
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.121	-0.12	23.34	24.50	1.306	0.158	22.6
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.058	-0.19	23.34	24.50	1.306	0.076	22.6
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.149	0.04	22.35	23.50	1.303	0.194	22.6
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.056	-0.06	22.35	23.50	1.303	0.073	22.6
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.108	-0.15	22.35	23.50	1.303	0.141	22.6
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.055	-0.13	22.35	23.50	1.303	0.072	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	21100/2535	1:1	0.298	-0.12	21.36	22.50	1.300	0.387	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.720	-0.11	21.36	22.50	1.300	0.936	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.686	0.06	21.26	22.50	1.330	0.912	22.6

Back side	20	QPSK 1_0	21100/2535	1:1	0.673	0.17	21.22	22.50	1.343	0.904	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	21100/2535	1:1	0.310	-0.15	21.29	22.50	1.321	0.410	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.731	-0.01	21.29	22.50	1.321	0.966	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.671	-0.17	21.22	22.50	1.343	0.901	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.677	0.06	21.21	22.50	1.346	0.911	22.6
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	21100/2535	1:1	0.672	-0.01	21.16	22.50	1.361	0.915	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	21100/2535	1:1	0.298	-0.12	21.36	22.50	1.300	0.387	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.720	-0.11	21.36	22.50	1.300	0.936	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.686	0.06	21.26	22.50	1.330	0.912	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.673	0.17	21.22	22.50	1.343	0.904	22.6
Left side	20	QPSK 1_0	21100/2535	1:1	0.114	0.14	21.36	22.50	1.300	0.148	22.6
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.701	0.19	21.36	22.50	1.300	0.911	22.6
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.661	-0.09	21.26	22.50	1.330	0.879	22.6
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.653	0.18	21.22	22.50	1.343	0.877	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	21100/2535	1:1	0.310	-0.15	21.29	22.50	1.321	0.410	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.731	-0.01	21.29	22.50	1.321	0.966	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.671	-0.17	21.22	22.50	1.343	0.901	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.677	0.06	21.21	22.50	1.346	0.911	22.6
Left side	20	QPSK 50_0	21100/2535	1:1	0.103	0.09	21.29	22.50	1.321	0.136	22.6
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.770	0.06	21.29	22.50	1.321	1.017	22.6
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.716	-0.04	21.22	22.50	1.343	0.962	22.6
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.721	-0.14	21.21	22.50	1.346	0.970	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	21100/2535	1:1	0.672	-0.01	21.16	22.50	1.361	0.915	22.6
Bottom side	20	QPSK 100_0	21100/2535	1:1	0.724	0.09	21.16	22.50	1.361	0.985	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2(ENDC)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.298	-0.12	21.36	17.50	0.411	0.122	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.720	-0.11	21.36	17.50	0.411	0.296	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.686	0.06	21.26	17.50	0.421	0.289	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.673	0.17	21.22	17.50	0.425	0.286	22.6
Left side	20	QPSK 1_0	21100/2535	1:1	0.114	0.14	21.36	17.50	0.411	0.047	22.6
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.701	0.19	21.36	17.50	0.411	0.288	22.6
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.661	-0.09	21.26	17.50	0.421	0.278	22.6
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.653	0.18	21.22	17.50	0.425	0.278	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.310	-0.15	21.29	17.50	0.418	0.130	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.731	-0.01	21.29	17.50	0.418	0.306	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.671	-0.17	21.22	17.50	0.425	0.285	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.677	0.06	21.21	17.50	0.426	0.288	22.6
Left side	20	QPSK 50_0	21100/2535	1:1	0.103	0.09	21.29	17.50	0.418	0.043	22.6
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.770	0.06	21.29	17.50	0.418	0.322	22.6
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.716	-0.04	21.22	17.50	0.425	0.304	22.6
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.721	-0.14	21.21	17.50	0.426	0.307	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2(ENDC)											
Back side	20	QPSK 100_0	21100/2535	1:1	0.672	-0.01	21.16	17.50	0.431	0.290	22.6
Bottom side	20	QPSK 100_0	21100/2535	1:1	0.724	0.09	21.16	17.50	0.431	0.312	22.6

10.3.7 SAR Result of LTE Band 12

LTE Band 12 SAR Test Record											
Ant 2 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scale d factor	Scale d SAR 1-g (W/kg)	Liquid Temp.(℃)
Head Test Data (1RB) SET_1											
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.124	0.17	23.34	24.50	1.306	0.162	22.3
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.035	-0.11	23.34	24.50	1.306	0.046	22.3
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.151	-0.08	23.34	24.50	1.306	0.197	22.3
Right cheek-UL CA_12B	10	QPSK 1_0	23095/707.5	1:1	0.144	0.06	23.27	24.50	1.327	0.191	22.3
	5	QPSK 1_24	23023/700.3	1:1							
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.094	0.00	23.34	24.50	1.306	0.123	22.3
Head Test Data (50%RB) SET_1											
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.082	0.09	22.29	23.50	1.321	0.108	22.3
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.028	-0.11	22.29	23.50	1.321	0.037	22.3
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.148	-0.02	22.29	23.50	1.321	0.196	22.3
Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.076	0.09	22.29	23.50	1.321	0.100	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.127	0.10	23.34	24.50	1.306	0.166	22.3
Back side	10	QPSK 1_0	23095/707.5	1:1	0.217	0.03	23.34	24.50	1.306	0.283	22.3
Back side-UL CA_12B	10	QPSK 1_0	23095/707.5	1:1	0.207	0.01	23.27	24.50	1.327	0.275	22.3
	5	QPSK 1_24	23023/700.3	1:1							
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.129	-0.16	22.29	23.50	1.321	0.170	22.3
Back side	10	QPSK 25_0	23095/707.5	1:1	0.210	0.17	22.29	23.50	1.321	0.277	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.127	0.10	23.34	24.50	1.306	0.166	22.3
Back side	10	QPSK 1_0	23095/707.5	1:1	0.217	0.03	23.34	24.50	1.306	0.283	22.3
Right side	10	QPSK 1_0	23095/707.5	1:1	0.266	0.11	23.34	24.50	1.306	0.347	22.3
Bottom side	10	QPSK 1_0	23095/707.5	1:1	0.088	-0.04	23.34	24.50	1.306	0.115	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.129	-0.16	22.29	23.50	1.321	0.170	22.3
Back side	10	QPSK 25_0	23095/707.5	1:1	0.210	0.17	22.29	23.50	1.321	0.277	22.3
Right side	10	QPSK 25_0	23095/707.5	1:1	0.270	0.01	22.29	23.50	1.321	0.357	22.3
Right side-UL CA_12B	10	QPSK 25_0	23095/707.5	1:1	0.261	0.14	22.21	23.50	1.346	0.351	22.3
	5	QPSK 12_12	23023/700.3	1:1							
Bottom side	10	QPSK 25_0	23095/707.5	1:1	0.089	0.11	22.29	23.50	1.321	0.118	22.3

10.3.8 SAR Result of LTE Band 13

LTE Band 13 SAR Test Record											
Ant 2 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.096	0.14	23.35	24.50	1.303	0.125	22.3
Left tilted	10	QPSK 1_0	23230/782	1:1	0.061	0.18	23.35	24.50	1.303	0.079	22.3
Right cheek	10	QPSK 1_0	23230/782	1:1	0.165	0.03	23.35	24.50	1.303	0.215	22.3
Right tilted	10	QPSK 1_0	23230/782	1:1	0.103	-0.05	23.35	24.50	1.303	0.134	22.3
Head Test Data (50%RB) SET_1											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.082	-0.19	22.31	23.50	1.315	0.108	22.3
Left tilted	10	QPSK 25_0	23230/782	1:1	0.063	0.03	22.31	23.50	1.315	0.083	22.3
Right cheek	10	QPSK 25_0	23230/782	1:1	0.172	0.06	22.31	23.50	1.315	0.226	22.3
Right tilted	10	QPSK 25_0	23230/782	1:1	0.095	0.16	22.31	23.50	1.315	0.125	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	23230/782	1:1	0.220	0.15	23.35	24.50	1.303	0.287	22.3
Back side	10	QPSK 1_0	23230/782	1:1	0.430	0.03	23.35	24.50	1.303	0.560	22.3
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	23230/782	1:1	0.178	0.11	22.31	23.50	1.315	0.234	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.362	-0.09	22.31	23.50	1.315	0.476	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	23230/782	1:1	0.220	0.15	23.35	24.50	1.303	0.287	22.3
Back side	10	QPSK 1_0	23230/782	1:1	0.430	0.03	23.35	24.50	1.303	0.560	22.3
Right side	10	QPSK 1_0	23230/782	1:1	0.358	-0.07	23.35	24.50	1.303	0.466	22.3
Bottom side	10	QPSK 1_0	23230/782	1:1	0.190	-0.12	23.35	24.50	1.303	0.248	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	23230/782	1:1	0.178	0.11	22.31	23.50	1.315	0.234	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.362	-0.09	22.31	23.50	1.315	0.476	22.3
Right side	10	QPSK 25_0	23230/782	1:1	0.296	0.17	22.31	23.50	1.315	0.389	22.3
Bottom side	10	QPSK 25_0	23230/782	1:1	0.157	-0.19	22.31	23.50	1.315	0.206	22.3

10.3.9 SAR Result of LTE Band 14

LTE Band 14 SAR Test Record											
Ant 2 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	10	QPSK 1_0	23330/793	1:1	0.130	0.09	22.86	24.00	1.300	0.169	22.3
Left tilted	10	QPSK 1_0	23330/793	1:1	0.074	0.11	22.86	24.00	1.300	0.096	22.3
Right cheek	10	QPSK 1_0	23330/793	1:1	0.157	0.05	22.86	24.00	1.300	0.204	22.3
Right tilted	10	QPSK 1_0	23330/793	1:1	0.097	0.08	22.86	24.00	1.300	0.126	22.3
Head Test Data (50%RB) SET_1											
Left cheek	10	QPSK 25_0	23330/793	1:1	0.127	0.06	21.79	23.00	1.321	0.168	22.3
Left tilted	10	QPSK 25_0	23330/793	1:1	0.087	0.02	21.79	23.00	1.321	0.115	22.3
Right cheek	10	QPSK 25_0	23330/793	1:1	0.142	0.15	21.79	23.00	1.321	0.188	22.3
Right tilted	10	QPSK 25_0	23330/793	1:1	0.088	0.01	21.79	23.00	1.321	0.116	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	23330/793	1:1	0.237	-0.13	22.86	24.00	1.300	0.308	22.3
Back side	10	QPSK 1_0	23330/793	1:1	0.447	0.04	22.86	24.00	1.300	0.581	22.3
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	23330/793	1:1	0.176	0.14	21.79	23.00	1.321	0.232	22.3
Back side	10	QPSK 25_0	23330/793	1:1	0.354	-0.09	21.79	23.00	1.321	0.468	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	23330/793	1:1	0.237	-0.13	22.86	24.00	1.300	0.308	22.3
Back side	10	QPSK 1_0	23330/793	1:1	0.447	0.04	22.86	24.00	1.300	0.581	22.3
Right side	10	QPSK 1_0	23330/793	1:1	0.357	-0.08	22.86	24.00	1.300	0.464	22.3
Bottom side	10	QPSK 1_0	23330/793	1:1	0.225	0.03	22.86	24.00	1.300	0.293	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	23330/793	1:1	0.176	0.14	21.79	23.00	1.321	0.232	22.3
Back side	10	QPSK 25_0	23330/793	1:1	0.354	-0.09	21.79	23.00	1.321	0.468	22.3
Right side	10	QPSK 25_0	23330/793	1:1	0.274	-0.09	21.79	23.00	1.321	0.362	22.3
Bottom side	10	QPSK 25_0	23330/793	1:1	0.173	0.03	21.79	23.00	1.321	0.229	22.3

10.3.10 SAR Result of LTE Band 25

LTE Band 25 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	26365/1882.5	1:1	0.475	-0.09	17.98	19.00	1.265	0.601	22.5
Left tilted	20	QPSK 1_0	26365/1882.5	1:1	0.534	0.08	17.98	19.00	1.265	0.676	22.5
Right cheek	20	QPSK 1_0	26365/1882.5	1:1	0.781	-0.03	17.98	19.00	1.265	0.988	22.5
Right cheek	20	QPSK 1_0	26140/1860	1:1	0.730	-0.03	17.79	19.00	1.321	0.964	22.5
Right cheek	20	QPSK 1_0	26590/1905	1:1	0.750	0.17	17.85	19.00	1.303	0.977	22.5
Right tilted	20	QPSK 1_0	26365/1882.5	1:1	0.697	0.04	17.98	19.00	1.265	0.882	22.5
Right tilted	20	QPSK 1_0	26140/1860	1:1	0.645	0.14	17.79	19.00	1.321	0.852	22.5
Right tilted	20	QPSK 1_0	26590/1905	1:1	0.674	-0.18	17.85	19.00	1.303	0.878	22.5
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	26365/1882.5	1:1	0.445	0.12	17.89	19.00	1.291	0.574	22.5
Left tilted	20	QPSK 50_0	26365/1882.5	1:1	0.495	-0.13	17.89	19.00	1.291	0.639	22.5
Right cheek	20	QPSK 50_0	26365/1882.5	1:1	0.726	-0.01	17.89	19.00	1.291	0.937	22.5
Right cheek	20	QPSK 50_0	26140/1860	1:1	0.701	-0.19	17.77	19.00	1.327	0.930	22.5
Right cheek	20	QPSK 50_0	26590/1905	1:1	0.697	0.00	17.82	19.00	1.312	0.914	22.5
Right tilted	20	QPSK 50_0	26365/1882.5	1:1	0.661	-0.18	17.89	19.00	1.291	0.853	22.5
Right tilted	20	QPSK 50_0	26140/1860	1:1	0.631	-0.09	17.77	19.00	1.327	0.837	22.5
Right tilted	20	QPSK 50_0	26590/1905	1:1	0.632	0.02	17.82	19.00	1.312	0.829	22.5
Head Test Data (100%RB) SET_1											
Right cheek	20	QPSK 100_0	26365/1882.5	1:1	0.690	-0.10	17.88	19.00	1.294	0.893	22.5
Right tilted	20	QPSK 100_0	26365/1882.5	1:1	0.629	-0.03	17.88	19.00	1.294	0.814	22.5
Head Test Data (1RB) SET_1 (UL CA & ENDC)											
Left cheek	20	QPSK 1_0	26365/1882.5	1:1	0.475	-0.09	17.98	17.50	0.895	0.425	22.5
Left tilted	20	QPSK 1_0	26365/1882.5	1:1	0.534	0.08	17.98	17.50	0.895	0.478	22.5
Right cheek	20	QPSK 1_0	26365/1882.5	1:1	0.781	-0.03	17.98	17.50	0.895	0.699	22.5
Right cheek	20	QPSK 1_0	26140/1860	1:1	0.730	-0.03	17.79	17.50	0.935	0.683	22.5
Right cheek	20	QPSK 1_0	26590/1905	1:1	0.750	0.17	17.85	17.50	0.923	0.692	22.5
Right tilted	20	QPSK 1_0	26365/1882.5	1:1	0.697	0.04	17.98	17.50	0.895	0.624	22.5
Right tilted	20	QPSK 1_0	26140/1860	1:1	0.645	0.14	17.79	17.50	0.935	0.603	22.5
Right tilted	20	QPSK 1_0	26590/1905	1:1	0.674	-0.18	17.85	17.50	0.923	0.622	22.5
Head Test Data (50%RB) SET_1 (UL CA & ENDC)											
Left cheek	20	QPSK 50_0	26365/1882.5	1:1	0.445	0.12	17.89	17.50	0.914	0.407	22.5
Left tilted	20	QPSK 50_0	26365/1882.5	1:1	0.495	-0.13	17.89	17.50	0.914	0.452	22.5
Right cheek	20	QPSK 50_0	26365/1882.5	1:1	0.726	-0.01	17.89	17.50	0.914	0.664	22.5
Right cheek	20	QPSK 50_0	26140/1860	1:1	0.701	-0.19	17.77	17.50	0.940	0.659	22.5
Right cheek	20	QPSK 50_0	26590/1905	1:1	0.697	0.00	17.82	17.50	0.929	0.648	22.5
Right tilted	20	QPSK 50_0	26365/1882.5	1:1	0.661	-0.18	17.89	17.50	0.914	0.604	22.5
Right tilted	20	QPSK 50_0	26140/1860	1:1	0.631	-0.09	17.77	17.50	0.940	0.593	22.5
Right tilted	20	QPSK 50_0	26590/1905	1:1	0.632	0.02	17.82	17.50	0.929	0.587	22.5
Head Test Data (100%RB) SET_1 (UL CA & ENDC)											
Right cheek	20	QPSK 100_0	26365/1882.5	1:1	0.690	-0.10	17.88	17.50	0.916	0.632	22.5
Right tilted	20	QPSK 100_0	26365/1882.5	1:1	0.629	-0.03	17.88	17.50	0.916	0.576	22.5
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.323	-0.04	20.97	22.00	1.268	0.410	22.5
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.539	0.06	20.97	22.00	1.268	0.683	22.5
Body worn Test data (Separate 10mm 50%RB) SET_2											

Front side	20	QPSK 50_0	26365/1882.5	1:1	0.302	-0.09	20.95	22.00	1.274	0.385	22.5
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.508	-0.06	20.95	22.00	1.274	0.647	22.5
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.323	-0.04	20.97	22.00	1.268	0.410	22.5
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.539	0.06	20.97	22.00	1.268	0.683	22.5
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.232	-0.14	20.97	22.00	1.268	0.294	22.5
Top side	20	QPSK 1_0	26365/1882.5	1:1	0.779	0.06	20.97	22.00	1.268	0.988	22.5
Top side	20	QPSK 1_0	26140/1860	1:1	0.717	0.03	20.85	22.00	1.303	0.934	22.5
Top side	20	QPSK 1_0	26590/1905	1:1	0.737	0.11	20.93	22.00	1.279	0.943	22.5
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.302	-0.09	20.95	22.00	1.274	0.385	22.5
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.508	-0.06	20.95	22.00	1.274	0.647	22.5
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.204	-0.12	20.95	22.00	1.274	0.260	22.5
Top side	20	QPSK 50_0	26365/1882.5	1:1	0.759	0.16	20.95	22.00	1.274	0.967	22.5
Top side	20	QPSK 50_0	26140/1860	1:1	0.693	-0.15	20.84	22.00	1.306	0.905	22.5
Top side	20	QPSK 50_0	26590/1905	1:1	0.734	0.08	20.87	22.00	1.297	0.952	22.5
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Top side	20	QPSK 100_0	26365/1882.5	1:1	0.698	-0.02	20.87	22.00	1.297	0.905	22.5
Ant 3 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	26365/1882.5	1:1	0.121	0.11	23.36	24.50	1.300	0.157	22.5
Left tilted	20	QPSK 1_0	26365/1882.5	1:1	0.081	0.18	23.36	24.50	1.300	0.105	22.5
Right cheek	20	QPSK 1_0	26365/1882.5	1:1	0.118	-0.04	23.36	24.50	1.300	0.153	22.5
Right tilted	20	QPSK 1_0	26365/1882.5	1:1	0.067	0.19	23.36	24.50	1.300	0.087	22.5
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	26365/1882.5	1:1	0.108	0.17	22.32	23.50	1.312	0.142	22.5
Left tilted	20	QPSK 50_0	26365/1882.5	1:1	0.077	-0.08	22.32	23.50	1.312	0.101	22.5
Right cheek	20	QPSK 50_0	26365/1882.5	1:1	0.104	-0.17	22.32	23.50	1.312	0.136	22.5
Right tilted	20	QPSK 50_0	26365/1882.5	1:1	0.055	-0.02	22.32	23.50	1.312	0.072	22.5
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.241	-0.04	17.37	18.50	1.297	0.313	22.5
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.529	-0.04	17.37	18.50	1.297	0.686	22.5
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.233	0.19	17.26	18.50	1.330	0.310	22.5
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.563	0.14	17.26	18.50	1.330	0.749	22.5
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.241	-0.04	17.37	18.50	1.297	0.313	22.5
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.529	-0.04	17.37	18.50	1.297	0.686	22.5
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.137	-0.16	17.37	18.50	1.297	0.178	22.5
Bottom side	20	QPSK 1_0	26365/1882.5	1:1	0.567	0.16	17.37	18.50	1.297	0.735	22.5
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.233	0.19	17.26	18.50	1.330	0.310	22.5
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.563	0.14	17.26	18.50	1.330	0.749	22.5
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.136	0.10	17.26	18.50	1.330	0.181	22.5
Bottom side	20	QPSK 50_0	26365/1882.5	1:1	0.601	0.01	17.26	18.50	1.330	0.799	22.5

10.3.11 SAR Result of LTE Band 26

LTE Band 26 SAR Test Record											
Ant 2 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.077	0.10	23.44	24.50	1.276	0.098	22.6
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.035	-0.11	23.44	24.50	1.276	0.045	22.6
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.127	0.05	23.44	24.50	1.276	0.162	22.6
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.068	-0.17	23.44	24.50	1.276	0.087	22.6
Head Test Data (50%RB) SET_1											
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.068	0.07	22.28	23.50	1.324	0.090	22.6
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.031	0.18	22.28	23.50	1.324	0.041	22.6
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.119	0.19	22.28	23.50	1.324	0.158	22.6
Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.062	0.12	22.28	23.50	1.324	0.082	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.216	0.18	23.44	24.50	1.276	0.276	22.6
Back side	15	QPSK 1_0	26865/831.5	1:1	0.498	0.13	23.44	24.50	1.276	0.635	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.171	-0.19	22.28	23.50	1.324	0.226	22.6
Back side	15	QPSK 36_0	26865/831.5	1:1	0.408	0.10	22.28	23.50	1.324	0.540	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.216	0.18	23.44	24.50	1.276	0.276	22.6
Back side	15	QPSK 1_0	26865/831.5	1:1	0.498	0.13	23.44	24.50	1.276	0.635	22.6
Right side	15	QPSK 1_0	26865/831.5	1:1	0.313	-0.04	23.44	24.50	1.276	0.399	22.6
Bottom side	15	QPSK 1_0	26865/831.5	1:1	0.174	0.12	23.44	24.50	1.276	0.222	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.171	-0.19	22.28	23.50	1.324	0.226	22.6
Back side	15	QPSK 36_0	26865/831.5	1:1	0.408	0.10	22.28	23.50	1.324	0.540	22.6
Right side	15	QPSK 36_0	26865/831.5	1:1	0.356	-0.08	22.28	23.50	1.324	0.471	22.6
Bottom side	15	QPSK 36_0	26865/831.5	1:1	0.185	0.05	22.28	23.50	1.324	0.245	22.6

10.3.12 SAR Result of LTE Band 30

LTE Band 30 SAR Test Record											
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	10	QPSK 1_0	27710/2310	1:1	0.292	-0.09	20.46	21.00	1.132	0.331	22.4
Left tilted	10	QPSK 1_0	27710/2310	1:1	0.136	0.16	20.46	21.00	1.132	0.154	22.4
Right cheek	10	QPSK 1_0	27710/2310	1:1	0.953	0.18	20.46	21.00	1.132	1.079	22.4
Right cheek-repeated	10	QPSK 1_0	27710/2310	1:1	0.949	0.15	20.46	21.00	1.132	1.074	22.4
Right tilted	10	QPSK 1_0	27710/2310	1:1	0.311	-0.16	20.46	21.00	1.132	0.352	22.4
Head Test Data (50%RB) SET_1											
Left cheek	10	QPSK 25_0	27710/2310	1:1	0.263	-0.10	20.37	21.00	1.156	0.304	22.4
Left tilted	10	QPSK 25_0	27710/2310	1:1	0.122	0.15	20.37	21.00	1.156	0.141	22.4
Right cheek	10	QPSK 25_0	27710/2310	1:1	0.825	0.09	20.37	21.00	1.156	0.954	22.4
Right tilted	10	QPSK 25_0	27710/2310	1:1	0.269	-0.17	20.37	21.00	1.156	0.311	22.4
Head Test Data (100%RB) SET_1											
Right cheek	10	QPSK 50_0	27710/2310	1:1	0.772	-0.04	20.31	21.00	1.172	0.905	22.4
Head Test Data (1RB) SET_1(ENDC)											
Left cheek	10	QPSK 1_0	27710/2310	1:1	0.292	-0.09	20.46	17.00	0.451	0.132	22.4
Left tilted	10	QPSK 1_0	27710/2310	1:1	0.136	0.16	20.46	17.00	0.451	0.061	22.4
Right cheek	10	QPSK 1_0	27710/2310	1:1	0.953	0.18	20.46	17.00	0.451	0.430	22.4
Right cheek-repeated	10	QPSK 1_0	27710/2310	1:1	0.949	0.15	20.46	17.00	0.451	0.428	22.4
Right tilted	10	QPSK 1_0	27710/2310	1:1	0.311	-0.16	20.46	17.00	0.451	0.140	22.4
Head Test Data (50%RB) SET_1(ENDC)											
Left cheek	10	QPSK 25_0	27710/2310	1:1	0.263	-0.10	20.37	17.00	0.460	0.121	22.4
Left tilted	10	QPSK 25_0	27710/2310	1:1	0.122	0.15	20.37	17.00	0.460	0.056	22.4
Right cheek	10	QPSK 25_0	27710/2310	1:1	0.825	0.09	20.37	17.00	0.460	0.380	22.4
Right tilted	10	QPSK 25_0	27710/2310	1:1	0.269	-0.17	20.37	17.00	0.460	0.124	22.4
Head Test Data (100%RB) SET_1(ENDC)											
Right cheek	10	QPSK 50_0	27710/2310	1:1	0.772	-0.04	20.31	17.00	0.467	0.361	22.4
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	27710/2310	1:1	0.203	-0.08	20.46	21.00	1.132	0.230	22.4
Back side	10	QPSK 1_0	27710/2310	1:1	0.452	0.04	20.46	21.00	1.132	0.512	22.4
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	27710/2310	1:1	0.214	0.05	20.37	21.00	1.156	0.247	22.4
Back side	10	QPSK 25_0	27710/2310	1:1	0.449	0.04	20.37	21.00	1.156	0.519	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_0	27710/2310	1:1	0.203	-0.08	20.46	21.00	1.132	0.230	22.4
Back side	10	QPSK 1_0	27710/2310	1:1	0.452	0.04	20.46	21.00	1.132	0.512	22.4
Left side	10	QPSK 1_0	27710/2310	1:1	0.708	0.01	20.46	21.00	1.132	0.801	22.4
Top side	10	QPSK 1_0	27710/2310	1:1	0.127	0.14	20.46	21.00	1.132	0.144	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_0	27710/2310	1:1	0.214	0.05	20.37	21.00	1.156	0.247	22.4
Back side	10	QPSK 25_0	27710/2310	1:1	0.449	0.04	20.37	21.00	1.156	0.519	22.4
Left side	10	QPSK 25_0	27710/2310	1:1	0.580	0.01	20.37	21.00	1.156	0.670	22.4
Top side	10	QPSK 25_0	27710/2310	1:1	0.124	-0.19	20.37	21.00	1.156	0.143	22.4
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Left side	10	QPSK 50_0	27710/2310	1:1	0.576	-0.05	20.31	21.00	1.172	0.675	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2(ENDC)											

Front side	10	QPSK 1_0	27710/2310	1:1	0.203	-0.08	20.46	20.00	0.899	0.182	22.4
Back side	10	QPSK 1_0	27710/2310	1:1	0.452	0.04	20.46	20.00	0.899	0.406	22.4
Left side	10	QPSK 1_0	27710/2310	1:1	0.708	0.01	20.46	20.00	0.899	0.636	22.4
Top side	10	QPSK 1_0	27710/2310	1:1	0.127	0.14	20.46	20.00	0.899	0.114	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC)											
Front side	10	QPSK 25_0	27710/2310	1:1	0.214	0.05	20.37	20.00	0.918	0.196	22.4
Back side	10	QPSK 25_0	27710/2310	1:1	0.449	0.04	20.37	20.00	0.918	0.412	22.4
Left side	10	QPSK 25_0	27710/2310	1:1	0.580	0.01	20.37	20.00	0.918	0.532	22.4
Top side	10	QPSK 25_0	27710/2310	1:1	0.124	-0.19	20.37	20.00	0.918	0.114	22.4
Hotspot Test data (Separate 10mm 100%RB) SET_2(ENDC)											
Left side	10	QPSK 50_0	27710/2310	1:1	0.576	-0.05	20.31	20.00	0.931	0.536	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	27710/2310	0.953	0.949	1.004	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.						

10.3.13 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	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) SET_1											
Left cheek	20	QPSK 1_0	38000/2595	1:1.58	0.031	0.09	19.51	21.00	1.409	0.044	22.6
Left tilted	20	QPSK 1_0	38000/2595	1:1.58	0.013	-0.13	19.51	21.00	1.409	0.018	22.6
Right cheek	20	QPSK 1_0	38000/2595	1:1.58	0.016	0.14	19.51	21.00	1.409	0.023	22.6
Right tilted	20	QPSK 1_0	38000/2595	1:1.58	0.008	0.07	19.51	21.00	1.409	0.011	22.6
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	38000/2595	1:1.58	0.027	-0.03	19.43	21.00	1.435	0.039	22.6
Left tilted	20	QPSK 50_0	38000/2595	1:1.58	0.009	-0.05	19.43	21.00	1.435	0.013	22.6
Right cheek	20	QPSK 50_0	38000/2595	1:1.58	0.013	-0.05	19.43	21.00	1.435	0.019	22.6
Right tilted	20	QPSK 50_0	38000/2595	1:1.58	0.003	-0.07	19.43	21.00	1.435	0.004	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.192	-0.06	20.52	22.00	1.406	0.270	22.6
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.602	0.01	20.52	22.00	1.406	0.846	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.185	-0.13	20.47	22.00	1.422	0.263	22.6
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.569	0.09	20.47	22.00	1.422	0.809	22.6
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	38000/2595	1:1.58	0.566	0.05	20.44	22.00	1.432	0.811	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.192	-0.06	20.52	22.00	1.406	0.270	22.6
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.602	0.01	20.52	22.00	1.406	0.846	22.6
Left side	20	QPSK 1_0	38000/2595	1:1.58	0.049	-0.08	20.52	22.00	1.406	0.069	22.6
Bottom side	20	QPSK 1_0	38000/2595	1:1.58	0.557	-0.07	20.52	22.00	1.406	0.783	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.185	-0.13	20.47	22.00	1.422	0.263	22.6
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.569	0.09	20.47	22.00	1.422	0.809	22.6
Left side	20	QPSK 50_0	38000/2595	1:1.58	0.046	-0.02	20.47	22.00	1.422	0.065	22.6
Bottom side	20	QPSK 50_0	38000/2595	1:1.58	0.515	-0.12	20.47	22.00	1.422	0.732	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	38000/2595	1:1.58	0.566	0.05	20.47	22.00	1.422	0.805	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2(ENDC)											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.192	-0.06	20.52	17.50	0.499	0.096	22.6
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.602	0.01	20.52	17.50	0.499	0.300	22.6
Left side	20	QPSK 1_0	38000/2595	1:1.58	0.049	-0.08	20.52	17.50	0.499	0.024	22.6
Bottom side	20	QPSK 1_0	38000/2595	1:1.58	0.557	-0.07	20.52	17.50	0.499	0.278	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC)											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.185	-0.13	20.47	17.50	0.505	0.093	22.6
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.569	0.09	20.47	17.50	0.505	0.287	22.6
Left side	20	QPSK 50_0	38000/2595	1:1.58	0.046	-0.02	20.47	17.50	0.505	0.023	22.6
Bottom side	20	QPSK 50_0	38000/2595	1:1.58	0.515	-0.12	20.47	17.50	0.505	0.260	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2(ENDC)											
Back side	20	QPSK 100_0	38000/2595	1:1.58	0.566	0.05	20.47	17.50	0.505	0.286	22.6

10.3.14 SAR Result of LTE Band 41

LTE Band 41 SAR Test Record											
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.204	0.19	19.06	20.00	1.242	0.253	22.6
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.134	0.08	19.06	20.00	1.242	0.166	22.6
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.644	0.18	19.06	20.00	1.242	0.800	22.6
Right cheek	20	QPSK 1_0	39750/2506	1:1.58	0.580	0.13	18.86	20.00	1.300	0.754	22.6
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.590	-0.05	18.86	20.00	1.300	0.767	22.6
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.604	-0.08	18.87	20.00	1.297	0.783	22.6
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.594	0.11	18.83	20.00	1.309	0.778	22.6
Right cheek-PC2	20	QPSK 1_0	40620/2593	1:2.31	0.843	0.04	22.03	23.00	1.250	1.054	22.6
Right cheek-PC2-repeated	20	QPSK 1_0	40620/2593	1:2.31	0.841	0.07	22.03	23.00	1.250	1.051	22.6
Right cheek-PC2-UL CA 41B	15	QPSK 1_0	40620/2593	1:2.31	0.756	0.07	21.84	23.00	1.306	0.987	22.6
	5	QPSK 1_24	40527/2583.7								
Right cheek-PC2-UL CA 41C	20	QPSK 1_0	40620/2593	1:2.31	0.763	0.01	21.82	23.00	1.312	1.001	22.6
	20	QPSK 1_0	40422/2573.2								
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.308	0.14	19.06	20.00	1.242	0.383	22.6
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.188	0.08	18.94	20.00	1.276	0.240	22.6
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.121	-0.12	18.94	20.00	1.276	0.154	22.6
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.623	0.12	18.94	20.00	1.276	0.795	22.6
Right cheek	20	QPSK 50_0	39750/2506	1:1.58	0.605	0.07	18.85	20.00	1.303	0.788	22.6
Right cheek	20	QPSK 50_0	40185/2549.5	1:1.58	0.599	0.07	18.87	20.00	1.297	0.777	22.6
Right cheek	20	QPSK 50_0	41055/2636.5	1:1.58	0.579	-0.02	18.86	20.00	1.300	0.753	22.6
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.604	-0.14	18.88	20.00	1.294	0.782	22.6
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.258	-0.06	18.94	20.00	1.276	0.329	22.6
Head Test Data (100%RB) SET_1											
Right cheek	20	QPSK 100_0	40620/2593	1:1.58	0.611	-0.11	18.93	20.00	1.279	0.781	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.242	0.15	20.97	22.00	1.268	0.307	22.6
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.521	-0.01	20.97	22.00	1.268	0.661	22.6
Back side	20	QPSK 1_0	39750/2506	1:1.58	0.486	0.01	20.88	22.00	1.294	0.629	22.6
Back side	20	QPSK 1_0	40185/2549.5	1:1.58	0.509	-0.01	20.92	22.00	1.282	0.653	22.6
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.461	0.12	20.87	22.00	1.297	0.598	22.6
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.484	-0.10	20.95	22.00	1.274	0.617	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.259	0.03	20.94	22.00	1.276	0.330	22.6
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.588	0.14	20.94	22.00	1.276	0.750	22.6
Back side	20	QPSK 50_0	39750/2506	1:1.58	0.569	0.07	20.84	22.00	1.306	0.743	22.6
Back side	20	QPSK 50_0	40185/2549.5	1:1.58	0.546	-0.16	20.88	22.00	1.294	0.707	22.6
Back side	20	QPSK 50_0	41055/2636.5	1:1.58	0.551	0.09	20.82	22.00	1.312	0.723	22.6
Back side	20	QPSK 50_0	41490/2680	1:1.58	0.551	0.17	20.89	22.00	1.291	0.711	22.6
Back side-PC2	20	QPSK 50_0	40620/2593	1:2.31	0.821	0.03	23.66	25.00	1.361	1.117	22.6
Back side-PC2-UL CA 41B	15	QPSK 36_0	40620/2593	1:2.31	0.772	0.09	23.51	25.00	1.409	1.088	22.6
	5	QPSK 12_12	40527/2583.7								

Back side-PC2-UL CA 41C	20	QPSK 50_0	40620/2593	1:2.31	0.796	-0.04	23.59	25.00	1.384	1.102	22.6
	20	QPSK 50_49	40422/2573.2								
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	40620/2593	1:1.58	0.541	-0.14	20.93	22.00	1.279	0.692	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.242	0.03	20.97	22.00	1.268	0.307	22.6
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.521	-0.01	20.97	22.00	1.268	0.661	22.6
Back side	20	QPSK 1_0	39750/2506	1:1.58	0.486	0.01	20.88	22.00	1.294	0.629	22.6
Back side	20	QPSK 1_0	40185/2549.5	1:1.58	0.509	-0.01	20.92	22.00	1.282	0.653	22.6
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.461	0.12	20.87	22.00	1.297	0.598	22.6
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.484	-0.10	20.95	22.00	1.274	0.617	22.6
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.400	-0.11	20.97	22.00	1.268	0.507	22.6
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.115	-0.19	20.97	22.00	1.268	0.146	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.259	0.15	20.94	22.00	1.276	0.330	22.6
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.588	0.14	20.94	22.00	1.276	0.750	22.6
Back side	20	QPSK 50_0	39750/2506	1:1.58	0.569	0.07	20.84	22.00	1.306	0.743	22.6
Back side	20	QPSK 50_0	40185/2549.5	1:1.58	0.546	-0.16	20.88	22.00	1.294	0.707	22.6
Back side	20	QPSK 50_0	41055/2636.5	1:1.58	0.551	0.09	20.82	22.00	1.312	0.723	22.6
Back side	20	QPSK 50_0	41490/2680	1:1.58	0.551	0.17	20.89	22.00	1.291	0.711	22.6
Back side-PC2	20	QPSK 50_0	40620/2593	1:2.31	0.821	0.03	23.66	25.00	1.361	1.117	22.6
Back side-PC2-UL CA 41B	15	QPSK 36_0	40620/2593	1:2.31	0.772	0.09	23.51	25.00	1.409	1.088	22.6
	5	QPSK 12_12	40527/2583.7								
Back side-PC2-UL CA 41C	20	QPSK 50_0	40620/2593	1:2.31	0.796	-0.04	23.59	25.00	1.384	1.102	22.6
	20	QPSK 50_49	40422/2573.2								
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.419	0.10	20.94	22.00	1.276	0.535	22.6
Top side	20	QPSK 50_0	40620/2593	1:1.58	0.105	-0.06	20.94	22.00	1.276	0.134	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	40620/2593	1:1.58	0.541	-0.14	20.93	22.00	1.279	0.692	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	40620/2593	0.843	0.841	1.002	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.						

10.3.15 SAR Result of LTE Band 42

LTE Band 42 SAR Test Record											
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	42590/3500	1:1.58	0.135	-0.03	15.52	16.50	1.253	0.169	22.6
Left tilted	20	QPSK 1_0	42590/3500	1:1.58	0.112	0.08	15.52	16.50	1.253	0.140	22.6
Right cheek	20	QPSK 1_0	42590/3500	1:1.58	0.605	0.08	15.52	16.50	1.253	0.758	22.6
Right tilted	20	QPSK 1_0	42590/3500	1:1.58	0.274	0.16	15.52	16.50	1.253	0.343	22.6
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	42590/3500	1:1.58	0.127	-0.17	15.45	16.50	1.274	0.162	22.6
Left tilted	20	QPSK 50_0	42590/3500	1:1.58	0.110	-0.03	15.45	16.50	1.274	0.140	22.6
Right cheek	20	QPSK 50_0	42590/3500	1:1.58	0.589	0.05	15.45	16.50	1.274	0.750	22.6
Right tilted	20	QPSK 50_0	42590/3500	1:1.58	0.277	0.19	15.45	16.50	1.274	0.353	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	42590/3500	1:1.58	0.206	0.01	18.10	19.50	1.380	0.284	22.6
Back side	20	QPSK 1_0	42590/3500	1:1.58	0.495	0.03	18.10	19.50	1.380	0.683	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	42590/3500	1:1.58	0.200	0.15	18.08	19.50	1.387	0.277	22.6
Back side	20	QPSK 50_0	42590/3500	1:1.58	0.506	0.17	18.08	19.50	1.387	0.702	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	42590/3500	1:1.58	0.206	0.01	18.10	19.50	1.380	0.284	22.6
Back side	20	QPSK 1_0	42590/3500	1:1.58	0.495	0.03	18.10	19.50	1.380	0.683	22.6
Left side	20	QPSK 1_0	42590/3500	1:1.58	0.586	-0.05	18.10	19.50	1.380	0.809	22.6
Left side	20	QPSK 1_0	42190/3460	1:1.58	0.554	-0.11	17.92	19.50	1.439	0.797	22.6
Left side	20	QPSK 1_0	43490/3590	1:1.58	0.529	-0.05	18.02	19.50	1.406	0.744	22.6
Top side	20	QPSK 1_0	42590/3500	1:1.58	0.100	-0.01	18.10	19.50	1.380	0.138	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	42590/3500	1:1.58	0.200	0.15	18.08	19.50	1.387	0.277	22.6
Back side	20	QPSK 50_0	42590/3500	1:1.58	0.506	0.17	18.08	19.50	1.387	0.702	22.6
Left side	20	QPSK 50_0	42590/3500	1:1.58	0.596	0.18	18.08	19.50	1.387	0.827	22.6
Left side	20	QPSK 50_0	42190/3460	1:1.58	0.517	0.15	17.88	19.50	1.452	0.751	22.6
Left side	20	QPSK 50_0	43490/3590	1:1.58	0.528	0.03	17.92	19.50	1.439	0.760	22.6
Top side	20	QPSK 50_0	42590/3500	1:1.58	0.104	0.03	18.08	19.50	1.387	0.144	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Left side	20	QPSK 100_0	42590/3500	1:1.58	0.523	0.09	17.94	19.50	1.432	0.749	22.6

10.3.16 SAR Result of LTE Band 48

LTE Band 48 SAR Test Record											
Ant 4 Test Record											

Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scale d factor	Scale d SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	20	QPSK 1_0	55990/3625	1:1.5 8	0.171	-0.10	15.64	16.50	1.219	0.208	22.6
Left tilted	20	QPSK 1_0	55990/3625	1:1.5 8	0.134	0.16	15.64	16.50	1.219	0.163	22.6
Right cheek	20	QPSK 1_0	55990/3625	1:1.5 8	0.861	0.03	15.64	16.50	1.219	1.050	22.6
Right cheek	20	QPSK 1_0	55340/3560	1:1.5 8	0.823	-0.10	15.53	16.50	1.250	1.029	22.6
Right cheek	20	QPSK 1_0	56640/3690	1:1.5 8	0.843	-0.12	15.59	16.50	1.233	1.039	22.6
Right tilted	20	QPSK 1_0	55990/3625	1:1.5 8	0.350	0.13	15.64	16.50	1.219	0.427	22.6
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	55990/3625	1:1.5 8	0.180	-0.19	15.53	16.50	1.250	0.225	22.6
Left tilted	20	QPSK 50_0	55990/3625	1:1.5 8	0.136	-0.12	15.53	16.50	1.250	0.170	22.6
Right cheek	20	QPSK 50_0	55990/3625	1:1.5 8	0.848	0.07	15.53	16.50	1.250	1.060	22.6
Right cheek-repeated	20	QPSK 50_0	55990/3625	1:1.5 8	0.834	0.01	15.53	16.50	1.250	1.043	22.6
Right cheek-UL CA_48B	15	QPSK 36_0	55990/3625	1:1.5 8	0.804	0.03	15.48	16.50	1.265	1.017	22.6
	5	QPSK 12_12	55897/3615.7								
Right cheek-UL CA_48C	20	QPSK 50_0	55990/3625	1:1.5 8	0.809	-0.05	15.47	16.50	1.268	1.026	22.6
	20	QPSK 50_49	55792/3605.2								
Right cheek	20	QPSK 50_0	55340/3560	1:1.5 8	0.814	-0.09	15.49	16.50	1.262	1.027	22.6
Right cheek	20	QPSK 50_0	56640/3690	1:1.5 8	0.826	0.11	15.51	16.50	1.256	1.037	22.6
Right tilted	20	QPSK 50_0	55990/3625	1:1.5 8	0.341	-0.07	15.53	16.50	1.250	0.426	22.6
Head Test Data (100%RB) SET_1											
Right cheek	20	QPSK 100_0	55990/3625	1:1.5 8	0.815	-0.08	15.54	16.50	1.247	1.016	22.6
Head Test Data (1RB) SET_1(ENDC)											
Left cheek	20	QPSK 1_0	55990/3625	1:1.5 8	0.171	-0.10	15.64	13.50	0.611	0.104	22.6
Left tilted	20	QPSK 1_0	55990/3625	1:1.5 8	0.134	0.16	15.64	13.50	0.611	0.082	22.6
Right cheek	20	QPSK 1_0	55990/3625	1:1.5 8	0.861	0.03	15.64	13.50	0.611	0.526	22.6
Right cheek	20	QPSK 1_0	55340/3560	1:1.5 8	0.823	-0.10	15.53	13.50	0.627	0.516	22.6
Right cheek	20	QPSK 1_0	56640/3690	1:1.5 8	0.843	-0.12	15.59	13.50	0.618	0.521	22.6
Right tilted	20	QPSK 1_0	55990/3625	1:1.5 8	0.350	0.13	15.64	13.50	0.611	0.214	22.6
Head Test Data (50%RB) SET_1(ENDC)											
Left cheek	20	QPSK 50_0	55990/3625	1:1.5 8	0.180	-0.19	15.53	13.50	0.627	0.113	22.6
Left tilted	20	QPSK 50_0	55990/3625	1:1.5 8	0.136	-0.12	15.53	13.50	0.627	0.085	22.6
Right cheek	20	QPSK 50_0	55990/3625	1:1.5 8	0.848	0.07	15.53	13.50	0.627	0.532	22.6
Right cheek-repeated	20	QPSK 50_0	55990/3625	1:1.5 8	0.834	0.01	15.53	13.50	0.627	0.523	22.6
Right cheek-UL CA_48B	15	QPSK 36_0	55990/3625	1:1.5 8	0.804	0.03	15.48	13.50	0.634	0.510	22.6
	5	QPSK 12_12	55897/3615.7								
	20	QPSK 50_0	55990/3625		0.809	-0.05	15.47	13.50	0.635	0.514	22.6

Right cheek-UL CA_48C	20	QPSK 50_49	55792/3605.2	1:1.5 8							
Right cheek	20	QPSK 50_0	55340/3560	1:1.5 8	0.814	-0.09	15.49	13.50	0.632	0.514	22.6
Right cheek	20	QPSK 50_0	56640/3690	1:1.5 8	0.826	0.11	15.51	13.50	0.630	0.520	22.6
Right tilted	20	QPSK 50_0	55990/3625	1:1.5 8	0.341	-0.07	15.53	13.50	0.627	0.214	22.6
Head Test Data (100%RB) SET_1(ENDC)											
Right cheek	20	QPSK 100_0	55990/3625	1:1.5 8	0.815	-0.08	15.54	13.50	0.625	0.509	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	55990/3625	1:1.5 8	0.259	-0.11	18.28	19.50	1.324	0.343	22.6
Back side	20	QPSK 1_0	55990/3625	1:1.5 8	0.685	0.13	18.28	19.50	1.324	0.907	22.6
Back side	20	QPSK 1_0	55340/3560	1:1.5 8	0.641	-0.03	18.09	19.50	1.384	0.887	22.6
Back side	20	QPSK 1_0	56640/3690	1:1.5 8	0.647	-0.02	18.15	19.50	1.365	0.883	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	55990/3625	1:1.5 8	0.268	0.15	18.18	19.50	1.355	0.363	22.6
Back side	20	QPSK 50_0	55990/3625	1:1.5 8	0.686	-0.02	18.18	19.50	1.355	0.930	22.6
Back side-UL CA_48B	15	QPSK 36_0	55990/3625	1:1.5 8	0.669	-0.04	18.12	19.50	1.374	0.919	22.6
	5	QPSK 12_12	55897/3615.7								
Back side-UL CA_48C	20	QPSK 50_0	55990/3625	1:1.5 8	0.673	0.11	18.13	19.50	1.371	0.923	22.6
	20	QPSK 50_49	55792/3605.2								
Back side	20	QPSK 50_0	55340/3560	1:1.5 8	0.653	-0.12	18.03	19.50	1.403	0.916	22.6
Back side	20	QPSK 50_0	56640/3690	1:1.5 8	0.639	-0.17	18.04	19.50	1.400	0.895	22.6
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100_0	55990/3625	1:1.5 8	0.671	0.10	18.16	19.50	1.361	0.913	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	55990/3625	1:1.5 8	0.259	-0.11	18.28	19.50	1.324	0.343	22.6
Back side	20	QPSK 1_0	55990/3625	1:1.5 8	0.685	0.13	18.28	19.50	1.324	0.907	22.6
Back side	20	QPSK 1_0	55340/3560	1:1.5 8	0.641	-0.03	18.09	19.50	1.384	0.887	22.6
Back side	20	QPSK 1_0	56640/3690	1:1.5 8	0.647	-0.02	18.15	19.50	1.365	0.883	22.6
Left side	20	QPSK 1_0	55990/3625	1:1.5 8	0.777	-0.12	18.28	19.50	1.324	1.029	22.6
Left side	20	QPSK 1_0	55340/3560	1:1.5 8	0.709	-0.11	18.09	19.50	1.384	0.981	22.6
Left side	20	QPSK 1_0	56640/3690	1:1.5 8	0.731	0.09	18.15	19.50	1.365	0.998	22.6
Top side	20	QPSK 1_0	55990/3625	1:1.5 8	0.134	-0.03	18.28	19.50	1.324	0.177	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	55990/3625	1:1.5 8	0.268	0.15	18.18	19.50	1.355	0.363	22.6
Back side	20	QPSK 50_0	55990/3625	1:1.5 8	0.686	-0.02	18.18	19.50	1.355	0.930	22.6
Back side	20	QPSK 50_0	55340/3560	1:1.5 8	0.653	-0.12	18.03	19.50	1.403	0.916	22.6
Back side	20	QPSK 50_0	56640/3690	1:1.5 8	0.639	-0.17	18.04	19.50	1.400	0.895	22.6
Left side	20	QPSK 50_0	55990/3625	1:1.5 8	0.782	0.04	18.18	19.50	1.355	1.060	22.6
Left side-UL CA_48B	15	QPSK 36_0	55990/3625		0.761	0.07	18.12	19.50	1.374	1.046	22.6

	5	QPSK 12 12	55897/3615.7	1:1.5 8							
Left side-UL CA_48C	20	QPSK 50_0	55990/3625	1:1.5 8	0.765	-0.03	18.13	19.50	1.371	1.049	22.6
	20	QPSK 50 49	55792/3605.2								
Left side	20	QPSK 50_0	55340/3560	1:1.5 8	0.724	0.07	18.03	19.50	1.403	1.016	22.6
Left side	20	QPSK 50_0	56640/3690	1:1.5 8	0.728	0.08	18.04	19.50	1.400	1.019	22.6
Top side	20	QPSK 50_0	55990/3625	1:1.5 8	0.133	0.07	18.18	19.50	1.355	0.180	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	20	QPSK 100 0	55990/3625	1:1.5 8	0.671	0.10	18.16	19.50	1.361	0.913	22.6
Left side	20	QPSK 100 0	55990/3625	1:1.5 8	0.773	-0.05	18.16	19.50	1.361	1.052	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	55990/3625	0.880	0.874	1.007	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.						

10.3.17 SAR Result of LTE Band 66

LTE Band 66 SAR Test Record											
Ant 0 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scale d factor	Scale d SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.507	-0.13	17.93	19.00	1.279	0.648	22.4
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.550	-0.19	17.93	19.00	1.279	0.703	22.4
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.843	0.12	17.93	19.00	1.279	1.078	22.4
Right cheek-repeated	20	QPSK 1_0	132322/1745	1:1	0.836	0.07	17.93	19.00	1.279	1.069	22.4
Right cheek-UL CA_66B	15	QPSK 1_0	132322/1745	1:1	0.817	0.05	17.85	19.00	1.303	1.065	22.4
	5	QPSK 1_24	132229/1735.7								
Right cheek-UL CA_66C	20	QPSK 1_0	132322/1745	1:1	0.826	0.09	17.89	19.00	1.291	1.066	22.4
	20	QPSK 1_99	132124/1725.2								
Right cheek	20	QPSK 1_0	132072/1720	1:1	0.811	0.17	17.92	19.00	1.282	1.040	22.4
Right cheek	20	QPSK 1_0	132572/1770	1:1	0.821	0.14	17.83	19.00	1.309	1.075	22.4
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.744	-0.14	17.93	19.00	1.279	0.952	22.4
Right tilted	20	QPSK 1_0	132072/1720	1:1	0.715	0.04	17.92	19.00	1.282	0.917	22.4
Right tilted	20	QPSK 1_0	132572/1770	1:1	0.724	0.09	17.83	19.00	1.309	0.948	22.4
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.495	-0.01	17.80	19.00	1.318	0.652	22.4
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.516	-0.04	17.80	19.00	1.318	0.680	22.4
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.816	-0.02	17.80	19.00	1.318	1.075	22.4
Right cheek	20	QPSK 50_0	132072/1720	1:1	0.797	0.15	17.73	19.00	1.340	1.068	22.4

Right cheek	20	QPSK 50_0	132572/1770	1:1	0.784	0.09	17.77	19.00	1.327	1.040	22.4
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.724	0.18	17.80	19.00	1.318	0.954	22.4
Right tilted	20	QPSK 50_0	132072/1720	1:1	0.702	-0.12	17.73	19.00	1.340	0.941	22.4
Right tilted	20	QPSK 50_0	132572/1770	1:1	0.690	-0.05	17.77	19.00	1.327	0.916	22.4
Head Test Data (100%RB) SET_1											
Right cheek	20	QPSK 100_0	132322/1745	1:1	0.789	-0.04	17.71	19.00	1.346	1.062	22.4
Right tilted	20	QPSK 100_0	132322/1745	1:1	0.697	0.18	17.71	19.00	1.346	0.938	22.4
Head Test Data (1RB) SET_1 (UL CA & ENDC)											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.507	-0.13	17.93	17.50	0.906	0.459	22.4
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.550	-0.19	17.93	17.50	0.906	0.498	22.4
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.843	0.12	17.93	17.50	0.906	0.764	22.4
Right cheek-repeated	20	QPSK 1_0	132322/1745	1:1	0.836	0.07	17.93	17.50	0.906	0.757	22.4
Right cheek-UL CA_66B	15	QPSK 1_0	132322/1745	1:1	0.817	0.05	17.85	17.50	0.923	0.754	22.4
	5	QPSK 1_24	132229/1735.7								
Right cheek-UL CA_66C	20	QPSK 1_0	132322/1745	1:1	0.826	0.09	17.89	17.50	0.914	0.755	22.4
	20	QPSK 1_99	132124/1725.2								
Right cheek	20	QPSK 1_0	132072/1720	1:1	0.811	0.17	17.92	17.50	0.908	0.736	22.4
Right cheek	20	QPSK 1_0	132572/1770	1:1	0.821	0.14	17.83	17.50	0.927	0.761	22.4
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.744	-0.14	17.93	17.50	0.906	0.674	22.4
Right tilted	20	QPSK 1_0	132072/1720	1:1	0.715	0.04	17.92	17.50	0.908	0.649	22.4
Right tilted	20	QPSK 1_0	132572/1770	1:1	0.724	0.09	17.83	17.50	0.927	0.671	22.4
Head Test Data (50%RB) SET_1 (UL CA & ENDC)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.495	-0.01	17.80	17.50	0.933	0.462	22.4
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.516	-0.04	17.80	17.50	0.933	0.481	22.4
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.816	-0.02	17.80	17.50	0.933	0.761	22.4
Right cheek	20	QPSK 50_0	132072/1720	1:1	0.797	0.15	17.73	17.50	0.948	0.756	22.4
Right cheek	20	QPSK 50_0	132572/1770	1:1	0.784	0.09	17.77	17.50	0.940	0.737	22.4
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.724	0.18	17.80	17.50	0.933	0.675	22.4
Right tilted	20	QPSK 50_0	132072/1720	1:1	0.702	-0.12	17.73	17.50	0.948	0.665	22.4
Right tilted	20	QPSK 50_0	132572/1770	1:1	0.690	-0.05	17.77	17.50	0.940	0.649	22.4
Head Test Data (100%RB) SET_1 (UL CA & ENDC)											
Right cheek	20	QPSK 100_0	132322/1745	1:1	0.789	-0.04	17.71	17.50	0.953	0.752	22.4
Right tilted	20	QPSK 100_0	132322/1745	1:1	0.697	0.18	17.71	17.50	0.953	0.664	22.4
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	132322/1745	1:1	0.324	0.19	21.26	22.00	1.186	0.384	22.4
Back side	20	QPSK 1_0	132322/1745	1:1	0.540	0.08	21.26	22.00	1.186	0.640	22.4
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	132322/1745	1:1	0.329	0.10	21.23	22.00	1.194	0.393	22.4
Back side	20	QPSK 50_0	132322/1745	1:1	0.573	0.11	21.23	22.00	1.194	0.684	22.4
Back side-UL CA_66B	15	QPSK 36_0	132322/1745	1:1	0.557	0.03	21.16	22.00	1.213	0.676	22.4
	5	QPSK 12_12	132229/1735.7								
Back side-UL CA_66C	20	QPSK 50_0	132322/1745	1:1	0.561	0.01	21.21	22.00	1.199	0.673	22.4
	20	QPSK 50_49	132124/1725.2								
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	132322/1745	1:1	0.324	0.19	21.26	22.00	1.186	0.384	22.4
Back side	20	QPSK 1_0	132322/1745	1:1	0.540	0.08	21.26	22.00	1.186	0.640	22.4
Left side	20	QPSK 1_0	132322/1745	1:1	0.191	0.07	21.26	22.00	1.186	0.227	22.4
Top side	20	QPSK 1_0	132322/1745	1:1	0.733	-0.01	21.26	22.00	1.186	0.869	22.4

Top side-UL CA_66B	15	QPSK 1_0	132322/1745	1:1	0.711	0.06	21.18	22.00	1.208	0.859	22.4
	5	QPSK 1_24	132229/1735.7								
Top side-UL CA_66C	20	QPSK 1_0	132322/1745	1:1	0.722	0.14	21.24	22.00	1.191	0.860	22.4
	20	QPSK 1_99	132124/1725.2								
Top side	20	QPSK 1_0	132322/1745	1:1	0.714	-0.17	21.18	22.00	1.208	0.863	22.4
Top side	20	QPSK 1_0	132322/1745	1:1	0.718	0.08	21.19	22.00	1.205	0.865	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	132322/1745	1:1	0.329	0.10	21.23	22.00	1.194	0.393	22.4
Back side	20	QPSK 50_0	132322/1745	1:1	0.573	0.11	21.23	22.00	1.194	0.684	22.4
Left side	20	QPSK 50_0	132322/1745	1:1	0.191	0.14	21.23	22.00	1.194	0.228	22.4
Top side	20	QPSK 50_0	132322/1745	1:1	0.709	0.18	21.23	22.00	1.194	0.847	22.4
Top side	20	QPSK 50_0	132322/1745	1:1	0.679	0.02	21.11	22.00	1.227	0.833	22.4
Top side	20	QPSK 50_0	132322/1745	1:1	0.689	-0.09	21.15	22.00	1.216	0.838	22.4
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Top side	20	QPSK 100_0	132322/1745	1:1	0.698	-0.03	21.19	22.00	1.205	0.841	22.4
Ant 3 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scale d factor	Scale d SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.033	0.10	19.32	20.50	1.312	0.043	22.4
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.006	0.08	19.32	20.50	1.312	0.008	22.4
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.015	0.03	19.32	20.50	1.312	0.020	22.4
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.002	-0.16	19.32	20.50	1.312	0.003	22.4
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.029	-0.13	19.25	20.50	1.334	0.039	22.4
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.003	-0.12	19.25	20.50	1.334	0.004	22.4
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.011	-0.03	19.25	20.50	1.334	0.015	22.4
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.001	-0.09	19.25	20.50	1.334	0.001	22.4
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	132322/1745	1:1	0.050	-0.19	21.33	22.50	1.309	0.065	22.4
Back side	20	QPSK 1_0	132322/1745	1:1	0.109	-0.16	21.33	22.50	1.309	0.143	22.4
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	132322/1745	1:1	0.048	-0.04	21.26	22.50	1.330	0.064	22.4
Back side	20	QPSK 50_0	132322/1745	1:1	0.114	0.01	21.26	22.50	1.330	0.152	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	132322/1745	1:1	0.050	-0.19	21.33	22.50	1.309	0.065	22.4
Back side	20	QPSK 1_0	132322/1745	1:1	0.109	-0.16	21.33	22.50	1.309	0.143	22.4
Left side	20	QPSK 1_0	132322/1745	1:1	0.006	-0.11	21.33	22.50	1.309	0.008	22.4
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.157	0.03	21.33	22.50	1.309	0.206	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	132322/1745	1:1	0.048	-0.04	21.26	22.50	1.330	0.064	22.4
Back side	20	QPSK 50_0	132322/1745	1:1	0.114	0.01	21.26	22.50	1.330	0.152	22.4
Left side	20	QPSK 50_0	132322/1745	1:1	0.004	-0.05	21.26	22.50	1.330	0.005	22.4
Bottom side	20	QPSK 50_0	132322/1745	1:1	0.155	0.06	21.26	22.50	1.330	0.206	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
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Right cheek	132322/1745	0.843	0.836	1.008	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 (~ 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.						

10.3.18 SAR Result of LTE Band 71

LTE Band 71 SAR Test Record											
Ant 2 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	20	QPSK 1_0	133322/683	1:1	0.112	-0.09	23.47	24.50	1.268	0.142	22.3
Left tilted	20	QPSK 1_0	133322/683	1:1	0.054	-0.05	23.47	24.50	1.268	0.068	22.3
Right cheek	20	QPSK 1_0	133322/683	1:1	0.151	0.09	23.47	24.50	1.268	0.191	22.3
Right tilted	20	QPSK 1_0	133322/683	1:1	0.060	0.07	23.47	24.50	1.268	0.076	22.3
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_0	133322/683	1:1	0.095	0.01	22.44	23.50	1.276	0.121	22.3
Left tilted	20	QPSK 50_0	133322/683	1:1	0.051	-0.13	22.44	23.50	1.276	0.065	22.3
Right cheek	20	QPSK 50_0	133322/683	1:1	0.101	-0.18	22.44	23.50	1.276	0.129	22.3
Right tilted	20	QPSK 50_0	133322/683	1:1	0.050	0.09	22.44	23.50	1.276	0.064	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	133322/683	1:1	0.174	0.15	23.47	24.50	1.268	0.221	22.3
0.27	20	QPSK 1_0	133322/683	1:1	0.270	0.03	23.47	24.50	1.268	0.342	22.3
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	133322/683	1:1	0.139	0.08	22.44	23.50	1.276	0.177	22.3
Back side	20	QPSK 50_0	133322/683	1:1	0.255	-0.16	22.44	23.50	1.276	0.325	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_0	133322/683	1:1	0.174	0.15	23.47	24.50	1.268	0.221	22.3
Back side	20	QPSK 1_0	133322/683	1:1	0.270	0.03	23.47	24.50	1.268	0.342	22.3
Right side	20	QPSK 1_0	133322/683	1:1	0.403	0.07	23.47	24.50	1.268	0.511	22.3
Bottom side	20	QPSK 1_0	133322/683	1:1	0.103	0.04	23.47	24.50	1.268	0.131	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_0	133322/683	1:1	0.139	0.08	22.44	23.50	1.276	0.177	22.3
Back side	20	QPSK 50_0	133322/683	1:1	0.255	-0.16	22.44	23.50	1.276	0.325	22.3
Right side	20	QPSK 50_0	133322/683	1:1	0.307	-0.09	22.44	23.50	1.276	0.392	22.3
Bottom side	20	QPSK 50_0	133322/683	1:1	0.091	-0.04	22.44	23.50	1.276	0.116	22.3

10.3.19 SAR Result of NR Band n7

SA N7 SAR Test Record											
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.176	-0.15	16.03	17.00	1.250	0.220	22.6
Left tilted	50	QPSK 1_1	507000/2535	100%	0.120	-0.18	16.03	17.00	1.250	0.150	22.6
Right cheek	50	QPSK 1_1	507000/2535	100%	0.480	0.15	16.03	17.00	1.250	0.600	22.6
Right tilted	50	QPSK 1_1	507000/2535	100%	0.226	0.08	16.03	17.00	1.250	0.283	22.6
Head Test Data (50%RB) SET_1											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.163	-0.09	15.94	17.00	1.276	0.208	22.6
Left tilted	50	QPSK 135_67	507000/2535	100%	0.116	0.09	15.94	17.00	1.276	0.148	22.6
Right cheek	50	QPSK 135_67	507000/2535	100%	0.445	-0.14	15.94	17.00	1.276	0.568	22.6
Right tilted	50	QPSK 135_67	507000/2535	100%	0.212	0.09	15.94	17.00	1.276	0.271	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	50	QPSK 1_1	507000/2535	100%	0.222	-0.06	19.07	20.00	1.239	0.275	22.6
Back side	50	QPSK 1_1	507000/2535	100%	0.511	0.03	19.07	20.00	1.239	0.633	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 135_67	507000/2535	100%	0.228	0.06	18.98	20.00	1.265	0.288	22.6
Back side	20	QPSK 135_67	507000/2535	100%	0.484	0.14	18.98	20.00	1.265	0.612	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	50	QPSK 1_1	507000/2535	100%	0.222	-0.06	19.07	20.00	1.239	0.275	22.6
Back side	50	QPSK 1_1	507000/2535	100%	0.511	0.03	19.07	20.00	1.239	0.633	22.6
Left side	50	QPSK 1_1	507000/2535	100%	0.351	0.08	19.07	20.00	1.239	0.435	22.6
Top side	50	QPSK 1_1	507000/2535	100%	0.136	0.18	19.07	20.00	1.239	0.169	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	50	QPSK 135_67	507000/2535	100%	0.228	0.06	18.98	20.00	1.265	0.288	22.6
Back side	50	QPSK 135_67	507000/2535	100%	0.484	0.14	18.98	20.00	1.265	0.612	22.6
Left side	50	QPSK 135_67	507000/2535	100%	0.340	-0.08	18.98	20.00	1.265	0.430	22.6
Top side	50	QPSK 135_67	507000/2535	100%	0.144	0.10	18.98	20.00	1.265	0.182	22.6

10.3.20 SAR Result of NR Band n12

SA N12 SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	15	QPSK 1_1	141500/707.5	100%	0.089	-0.02	22.93	24.00	1.279	0.114	22.3
Left tilted	15	QPSK 1_1	141500/707.5	100%	0.045	-0.15	22.93	24.00	1.279	0.058	22.3
Right cheek	15	QPSK 1_1	141500/707.5	100%	0.123	0.18	22.93	24.00	1.279	0.157	22.3
Right tilted	15	QPSK 1_1	141500/707.5	100%	0.058	0.14	22.93	24.00	1.279	0.074	22.3
Head Test Data (50%RB) SET_1											
Left cheek	15	QPSK 36_22	141500/707.5	100%	0.080	-0.16	22.83	24.00	1.309	0.105	22.3
Left tilted	15	QPSK 36_22	141500/707.5	100%	0.033	-0.13	22.83	24.00	1.309	0.043	22.3
Right cheek	15	QPSK 36_22	141500/707.5	100%	0.105	0.09	22.83	24.00	1.309	0.137	22.3
Right tilted	15	QPSK 36_22	141500/707.5	100%	0.055	0.17	22.83	24.00	1.309	0.072	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	15	QPSK 1_1	141500/707.5	100%	0.142	-0.09	22.93	24.00	1.279	0.182	22.3
Back side	15	QPSK 1_1	141500/707.5	100%	0.225	0.05	22.93	24.00	1.279	0.288	22.3
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	15	QPSK 36_22	141500/707.5	100%	0.147	-0.05	22.83	24.00	1.309	0.192	22.3
Back side	15	QPSK 36_22	141500/707.5	100%	0.235	-0.13	22.83	24.00	1.309	0.308	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	15	QPSK 1_1	141500/707.5	100%	0.142	-0.09	22.93	24.00	1.279	0.182	22.3
Back side	15	QPSK 1_1	141500/707.5	100%	0.225	0.05	22.93	24.00	1.279	0.288	22.3
Right side	15	QPSK 1_1	141500/707.5	100%	0.313	0.15	22.93	24.00	1.279	0.400	22.3
Bottom side	15	QPSK 1_1	141500/707.5	100%	0.082	-0.15	22.93	24.00	1.279	0.105	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	15	QPSK 36_22	141500/707.5	100%	0.147	-0.05	22.83	24.00	1.309	0.192	22.3
Back side	15	QPSK 36_22	141500/707.5	100%	0.235	-0.13	22.83	24.00	1.309	0.308	22.3
Right side	15	QPSK 36_22	141500/707.5	100%	0.296	0.02	22.83	24.00	1.309	0.387	22.3
Bottom side	15	QPSK 36_22	141500/707.5	100%	0.093	0.11	22.83	24.00	1.309	0.122	22.3

10.3.21 SAR Result of NR Band n14

SA N14 SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	10	QPSK 1_1	158600/793	100%	0.118	0.18	23.36	24.00	1.159	0.137	22.3
Left tilted	10	QPSK 1_1	158600/793	100%	0.068	-0.13	23.36	24.00	1.159	0.079	22.3
Right cheek	10	QPSK 1_1	158600/793	100%	0.173	0.05	23.36	24.00	1.159	0.201	22.3
Right tilted	10	QPSK 1_1	158600/793	100%	0.085	-0.07	23.36	24.00	1.159	0.099	22.3
Head Test Data (50%RB) SET_1											
Left cheek	10	QPSK 25_14	158600/793	100%	0.104	0.16	22.93	24.00	1.279	0.133	22.3
Left tilted	10	QPSK 25_14	158600/793	100%	0.060	0.06	22.93	24.00	1.279	0.077	22.3
Right cheek	10	QPSK 25_14	158600/793	100%	0.144	0.06	22.93	24.00	1.279	0.184	22.3
Right tilted	10	QPSK 25_14	158600/793	100%	0.075	0.10	22.93	24.00	1.279	0.096	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_1	158600/793	100%	0.208	0.06	23.36	24.00	1.159	0.241	22.3
Back side	10	QPSK 1_1	158600/793	100%	0.451	0.09	23.36	24.00	1.159	0.523	22.3
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_14	158600/793	100%	0.210	-0.05	22.93	24.00	1.279	0.269	22.3
Back side	10	QPSK 25_14	158600/793	100%	0.488	0.09	22.93	24.00	1.279	0.624	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_1	158600/793	100%	0.208	0.06	23.36	24.00	1.159	0.241	22.3
Back side	10	QPSK 1_1	158600/793	100%	0.451	0.09	23.36	24.00	1.159	0.523	22.3
Right side	10	QPSK 1_1	158600/793	100%	0.309	0.15	23.36	24.00	1.159	0.358	22.3
Bottom side	10	QPSK 1_1	158600/793	100%	0.187	0.16	23.36	24.00	1.159	0.217	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_14	158600/793	100%	0.210	-0.05	22.93	24.00	1.279	0.269	22.3
Back side	10	QPSK 25_14	158600/793	100%	0.488	0.09	22.93	24.00	1.279	0.624	22.3
Right side	10	QPSK 25_14	158600/793	100%	0.308	-0.07	22.93	24.00	1.279	0.394	22.3
Bottom side	10	QPSK 25_14	158600/793	100%	0.204	-0.03	22.93	24.00	1.279	0.261	22.3

10.3.22 SAR Result of NR Band n25

SA N25 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	45	QPSK 1_1	376500/1882.5	100%	0.489	0.04	19.03	20.00	1.250	0.611	22.5
Left tilted	45	QPSK 1_1	376500/1882.5	100%	0.549	-0.16	19.03	20.00	1.250	0.686	22.5
Right cheek	45	QPSK 1_1	376500/1882.5	100%	0.903	0.05	19.03	20.00	1.250	1.129	22.5
Right cheek-repeated	45	QPSK 1_1	376500/1882.5	100%	0.892	0.06	19.03	20.00	1.250	1.115	22.5
Right tilted	45	QPSK 1_1	376500/1882.5	100%	0.722	0.15	19.03	20.00	1.250	0.903	22.5
Head Test Data (50%RB) SET_1											
Left cheek	45	QPSK 120_60	376500/1882.5	100%	0.433	0.17	18.99	20.00	1.262	0.546	22.5
Left tilted	45	QPSK 120_60	376500/1882.5	100%	0.467	-0.17	18.99	20.00	1.262	0.589	22.5
Right cheek	45	QPSK 120_60	376500/1882.5	100%	0.808	-0.03	18.99	20.00	1.262	1.020	22.5
Right tilted	45	QPSK 120_60	376500/1882.5	100%	0.642	-0.17	18.99	20.00	1.262	0.810	22.5
Head Test Data (100%RB) SET_1											
Right cheek	45	QPSK 240_0	376500/1882.5	100%	0.824	0.09	18.01	19.00	1.256	1.035	22.5
Right tilted	45	QPSK 240_0	376500/1882.5	100%	0.637	0.05	18.01	19.00	1.256	0.800	22.5
Head Test Data (1RB) SET_1(ENDC&NR ULCA)											
Left cheek	45	QPSK 1_1	376500/1882.5	100%	0.489	0.04	19.03	17.00	0.627	0.307	22.5
Left tilted	45	QPSK 1_1	376500/1882.5	100%	0.549	-0.16	19.03	17.00	0.627	0.344	22.5
Right cheek	45	QPSK 1_1	376500/1882.5	100%	0.903	0.05	19.03	17.00	0.627	0.566	22.5
Right cheek-repeated	45	QPSK 1_1	376500/1882.5	100%	0.892	0.06	19.03	17.00	0.627	0.559	22.5
Right tilted	45	QPSK 1_1	376500/1882.5	100%	0.722	0.15	19.03	17.00	0.627	0.453	22.5
Head Test Data (50%RB) SET_1(ENDC&NR ULCA)											
Left cheek	45	QPSK 120_60	376500/1882.5	100%	0.433	0.17	18.99	17.00	0.632	0.274	22.5
Left tilted	45	QPSK 120_60	376500/1882.5	100%	0.467	-0.17	18.99	17.00	0.632	0.295	22.5
Right cheek	45	QPSK 120_60	376500/1882.5	100%	0.808	-0.03	18.99	17.00	0.632	0.511	22.5
Right tilted	45	QPSK 120_60	376500/1882.5	100%	0.642	-0.17	18.99	17.00	0.632	0.406	22.5
Head Test Data (100%RB) SET_1(ENDC&NR ULCA)											
Right cheek	45	QPSK 240_0	376500/1882.5	100%	0.824	0.09	18.01	16.00	0.630	0.519	22.5
Right tilted	45	QPSK 240_0	376500/1882.5	100%	0.637	0.05	18.01	16.00	0.630	0.401	22.5
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	376500/1882.5	100%	0.309	-0.16	20.97	22.00	1.268	0.392	22.5
Back side	45	QPSK 1_1	376500/1882.5	100%	0.589	-0.09	20.97	22.00	1.268	0.747	22.5
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	376500/1882.5	100%	0.281	-0.17	20.92	22.00	1.282	0.360	22.5
Back side	45	QPSK 120_60	376500/1882.5	100%	0.515	-0.04	20.92	22.00	1.282	0.660	22.5
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	45	QPSK 120_60	376500/1882.5	100%	0.433	0.09	19.91	21.00	1.285	0.556	22.5
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	376500/1882.5	100%	0.309	-0.16	20.97	22.00	1.268	0.392	22.5
Back side	45	QPSK 1_1	376500/1882.5	100%	0.589	-0.09	20.97	22.00	1.268	0.747	22.5
Left side	45	QPSK 1_1	376500/1882.5	100%	0.183	-0.05	20.97	22.00	1.268	0.232	22.5
Top side	45	QPSK 1_1	376500/1882.5	100%	0.794	0.09	20.97	22.00	1.268	1.007	22.5
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	376500/1882.5	100%	0.281	-0.17	20.92	22.00	1.282	0.360	22.5
Back side	45	QPSK 120_60	376500/1882.5	100%	0.515	-0.04	20.92	22.00	1.282	0.660	22.5
Left side	45	QPSK 120_60	376500/1882.5	100%	0.186	0.12	20.92	22.00	1.282	0.238	22.5

Top side	45	QPSK 120_60	376500/1882.5	100%	0.683	-0.14	20.92	22.00	1.282	0.876	22.5
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	45	QPSK 240_0	376500/1882.5	100%	0.433	0.09	19.91	21.00	1.285	0.556	22.5
Top side	45	QPSK 240_0	376500/1882.5	100%	0.691	0.03	19.91	21.00	1.285	0.888	22.5
Hotspot Test data (Separate 10mm 1RB) SET_2(ENDC&NR ULCA)											
Front side	45	QPSK 1_1	376500/1882.5	100%	0.309	-0.16	20.97	19.00	0.635	0.196	22.5
Back side	45	QPSK 1_1	376500/1882.5	100%	0.589	-0.09	20.97	19.00	0.635	0.374	22.5
Left side	45	QPSK 1_1	376500/1882.5	100%	0.183	-0.05	20.97	19.00	0.635	0.116	22.5
Top side	45	QPSK 1_1	376500/1882.5	100%	0.794	0.09	20.97	19.00	0.635	0.504	22.5
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC&NR ULCA)											
Front side	45	QPSK 120_60	376500/1882.5	100%	0.281	-0.17	20.92	19.00	0.643	0.181	22.5
Back side	45	QPSK 120_60	376500/1882.5	100%	0.515	-0.04	20.92	19.00	0.643	0.331	22.5
Left side	45	QPSK 120_60	376500/1882.5	100%	0.186	0.12	20.92	19.00	0.643	0.120	22.5
Top side	45	QPSK 120_60	376500/1882.5	100%	0.683	-0.14	20.92	19.00	0.643	0.439	22.5
Hotspot Test data (Separate 10mm 100%RB) SET_2(ENDC&NR ULCA)											
Back side	45	QPSK 240_0	376500/1882.5	100%	0.433	0.09	19.91	18.00	0.644	0.279	22.5
Top side	45	QPSK 240_0	376500/1882.5	100%	0.691	0.03	19.91	18.00	0.644	0.445	22.5
Ant3 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	45	QPSK 1_1	376500/1882.5	100%	0.108	0.14	22.94	24.00	1.276	0.138	22.5
Left tilted	45	QPSK 1_1	376500/1882.5	100%	0.070	0.01	22.94	24.00	1.276	0.089	22.5
Right cheek	45	QPSK 1_1	376500/1882.5	100%	0.116	-0.10	22.94	24.00	1.276	0.148	22.5
Right tilted	45	QPSK 1_1	376500/1882.5	100%	0.074	0.03	22.94	24.00	1.276	0.094	22.5
Head Test Data (50%RB) SET_1											
Left cheek	45	QPSK 120_60	376500/1882.5	100%	0.088	-0.03	22.85	24.00	1.303	0.115	22.5
Left tilted	45	QPSK 120_60	376500/1882.5	100%	0.055	0.12	22.85	24.00	1.303	0.072	22.5
Right cheek	45	QPSK 120_60	376500/1882.5	100%	0.098	-0.18	22.85	24.00	1.303	0.128	22.5
Right tilted	45	QPSK 120_60	376500/1882.5	100%	0.063	-0.15	22.85	24.00	1.303	0.082	22.5
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_1	376500/1882.5	100%	0.088	-0.15	16.91	18.00	1.285	0.113	22.5
Back side	20	QPSK 1_1	376500/1882.5	100%	0.207	-0.16	16.91	18.00	1.285	0.266	22.5
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	376500/1882.5	100%	0.101	0.08	16.85	18.00	1.303	0.132	22.5
Back side	45	QPSK 120_60	376500/1882.5	100%	0.218	0.16	16.85	18.00	1.303	0.284	22.5
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	376500/1882.5	100%	0.088	-0.15	16.91	18.00	1.285	0.113	22.5
Back side	45	QPSK 1_1	376500/1882.5	100%	0.207	-0.16	16.91	18.00	1.285	0.266	22.5
Left side	45	QPSK 1_1	376500/1882.5	100%	0.040	-0.19	16.91	18.00	1.285	0.051	22.5
Bottom side	45	QPSK 1_1	376500/1882.5	100%	0.243	0.17	16.91	18.00	1.285	0.312	22.5
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	376500/1882.5	100%	0.101	0.08	16.85	18.00	1.303	0.132	22.5
Back side	45	QPSK 120_60	376500/1882.5	100%	0.218	0.16	16.85	18.00	1.303	0.284	22.5
Left side	45	QPSK 120_60	376500/1882.5	100%	0.049	0.06	16.85	18.00	1.303	0.064	22.5
Bottom side	45	QPSK 120_60	376500/1882.5	100%	0.257	0.01	16.85	18.00	1.303	0.335	22.5

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
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Right cheek	376500/1882.5	0.903	0.892	1.012	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.						

10.3.23 SAR Result of NR Band n26

SA N26 SAR Test Record											
Ant 2 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	30	QPSK 1_1	166300/831.5	100%	0.068	0.03	23.19	24.00	1.205	0.082	22.6
Left tilted	30	QPSK 1_1	166300/831.5	100%	0.034	-0.03	23.19	24.00	1.205	0.041	22.6
Right cheek	30	QPSK 1_1	166300/831.5	100%	0.082	0.07	23.19	24.00	1.205	0.099	22.6
Right tilted	30	QPSK 1_1	166300/831.5	100%	0.061	0.16	23.19	24.00	1.205	0.074	22.6
Head Test Data (50%RB) SET_1											
Left cheek	30	QPSK 90_45	166300/831.5	100%	0.055	-0.19	23.04	24.00	1.247	0.069	22.6
Left tilted	30	QPSK 90_45	166300/831.5	100%	0.032	-0.11	23.04	24.00	1.247	0.040	22.6
Right cheek	30	QPSK 90_45	166300/831.5	100%	0.076	-0.02	23.04	24.00	1.247	0.095	22.6
Right tilted	30	QPSK 90_45	166300/831.5	100%	0.054	0.05	23.04	24.00	1.247	0.067	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	30	QPSK 1_1	166300/831.5	100%	0.155	-0.02	23.19	24.00	1.205	0.187	22.6
Back side	30	QPSK 1_1	166300/831.5	100%	0.306	-0.06	23.19	24.00	1.205	0.369	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	30	QPSK 90_45	166300/831.5	100%	0.159	0.17	23.04	24.00	1.247	0.198	22.6
Back side	30	QPSK 90_45	166300/831.5	100%	0.315	0.12	23.04	24.00	1.247	0.393	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	30	QPSK 1_1	166300/831.5	100%	0.155	-0.02	23.19	24.00	1.205	0.187	22.6
Back side	30	QPSK 1_1	166300/831.5	100%	0.306	-0.06	23.19	24.00	1.205	0.369	22.6
Right side	30	QPSK 1_1	166300/831.5	100%	0.246	-0.17	23.19	24.00	1.205	0.296	22.6
Bottom side	30	QPSK 1_1	166300/831.5	100%	0.156	0.04	23.19	24.00	1.205	0.188	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	30	QPSK 90_45	166300/831.5	100%	0.159	0.17	23.04	24.00	1.247	0.198	22.6
Back side	30	QPSK 90_45	166300/831.5	100%	0.315	0.12	23.04	24.00	1.247	0.393	22.6
Right side	30	QPSK 90_45	166300/831.5	100%	0.227	0.14	23.04	24.00	1.247	0.283	22.6
Bottom side	30	QPSK 90_45	166300/831.5	100%	0.155	0.09	23.04	24.00	1.247	0.193	22.6

10.3.24 SAR Result of NR Band n30

SA N30 SAR Test Record											
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(℃)
Head Test Data (1RB) SET_1											
Left cheek	10	QPSK 1_1	462000/2310	100%	0.199	0.10	20.58	21.00	1.102	0.219	22.4
Left tilted	10	QPSK 1_1	462000/2310	100%	0.087	-0.03	20.58	21.00	1.102	0.096	22.4
Right cheek	10	QPSK 1_1	462000/2310	100%	0.659	0.08	20.58	21.00	1.102	0.726	22.4
Right tilted	10	QPSK 1_1	462000/2310	100%	0.216	0.14	20.58	21.00	1.102	0.238	22.4
Head Test Data (50%RB) SET_1											
Left cheek	10	QPSK 25_14	462000/2310	100%	0.176	0.17	20.41	21.00	1.146	0.202	22.4
Left tilted	10	QPSK 25_14	462000/2310	100%	0.081	0.18	20.41	21.00	1.146	0.093	22.4
Right cheek	10	QPSK 25_14	462000/2310	100%	0.574	0.19	20.41	21.00	1.146	0.658	22.4
Right tilted	10	QPSK 25_14	462000/2310	100%	0.180	0.06	20.41	21.00	1.146	0.206	22.4
Head Test Data (1RB) SET_1 (NR UL CA)											
Left cheek	10	QPSK 1_1	462000/2310	100%	0.199	0.10	20.58	17.00	0.439	0.087	22.4
Left tilted	10	QPSK 1_1	462000/2310	100%	0.087	-0.03	20.58	17.00	0.439	0.038	22.4
Right cheek	10	QPSK 1_1	462000/2310	100%	0.659	0.08	20.58	17.00	0.439	0.289	22.4
Right tilted	10	QPSK 1_1	462000/2310	100%	0.216	0.14	20.58	17.00	0.439	0.095	22.4
Head Test Data (50%RB) SET_1 (NR UL CA)											
Left cheek	10	QPSK 25_14	462000/2310	100%	0.176	0.17	20.41	17.00	0.456	0.080	22.4
Left tilted	10	QPSK 25_14	462000/2310	100%	0.081	0.18	20.41	17.00	0.456	0.037	22.4
Right cheek	10	QPSK 25_14	462000/2310	100%	0.574	0.19	20.41	17.00	0.456	0.262	22.4
Right tilted	10	QPSK 25_14	462000/2310	100%	0.180	0.06	20.41	17.00	0.456	0.082	22.4
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_1	462000/2310	100%	0.136	0.07	21.57	22.00	1.104	0.150	22.4
Back side	10	QPSK 1_1	462000/2310	100%	0.308	0.07	21.57	22.00	1.104	0.340	22.4
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_14	462000/2310	100%	0.145	0.04	21.42	22.00	1.143	0.166	22.4
Back side	10	QPSK 25_14	462000/2310	100%	0.309	0.15	21.42	22.00	1.143	0.353	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	10	QPSK 1_1	462000/2310	100%	0.136	0.07	21.57	22.00	1.104	0.150	22.4
Back side	10	QPSK 1_1	462000/2310	100%	0.308	0.07	21.57	22.00	1.104	0.340	22.4
Left side	10	QPSK 1_1	462000/2310	100%	0.491	0.18	21.57	22.00	1.104	0.542	22.4
Top side	10	QPSK 1_1	462000/2310	100%	0.081	-0.15	21.57	22.00	1.104	0.089	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	10	QPSK 25_14	462000/2310	100%	0.145	0.04	21.42	22.00	1.143	0.166	22.4
Back side	10	QPSK 25_14	462000/2310	100%	0.309	0.15	21.42	22.00	1.143	0.353	22.4
Left side	10	QPSK 25_14	462000/2310	100%	0.399	-0.10	21.42	22.00	1.143	0.456	22.4
Top side	10	QPSK 25_14	462000/2310	100%	0.081	-0.03	21.42	22.00	1.143	0.093	22.4

10.3.25 SAR Result of NR Band n41

SA N41 SAR Test Record											
Ant3 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	100	QPSK 1_1	518598/2592.99	50%	0.330	0.13	23.40	24.00	1.148	0.379	22.6
Left tilted	100	QPSK 1_1	518598/2592.99	50%	0.155	0.12	23.40	24.00	1.148	0.178	22.6
Right cheek	100	QPSK 1_1	518598/2592.99	50%	0.239	0.08	23.40	24.00	1.148	0.274	22.6
Right tilted	100	QPSK 1_1	518598/2592.99	50%	0.063	0.13	23.40	24.00	1.148	0.072	22.6
Head Test Data (50%RB) SET_1											
Left cheek	100	QPSK 135_69	518598/2592.99	50%	0.307	0.04	23.27	24.00	1.183	0.363	22.6
Left tilted	100	QPSK 135_69	518598/2592.99	50%	0.139	0.08	23.27	24.00	1.183	0.164	22.6
Right cheek	100	QPSK 135_69	518598/2592.99	50%	0.203	0.18	23.27	24.00	1.183	0.240	22.6
Right tilted	100	QPSK 135_69	518598/2592.99	50%	0.051	-0.15	23.27	24.00	1.183	0.060	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	518598/2592.99	50%	0.141	0.18	17.41	18.00	1.146	0.162	22.6
Back side	100	QPSK 1_1	518598/2592.99	50%	0.357	0.03	17.41	18.00	1.146	0.409	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	518598/2592.99	50%	0.123	0.03	17.30	18.00	1.175	0.145	22.6
Back side	100	QPSK 135_69	518598/2592.99	50%	0.352	-0.12	17.30	18.00	1.175	0.414	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	518598/2592.99	50%	0.141	0.18	17.41	18.00	1.146	0.162	22.6
Back side	100	QPSK 1_1	518598/2592.99	50%	0.357	0.03	17.41	18.00	1.146	0.409	22.6
Left side	100	QPSK 1_1	518598/2592.99	50%	0.016	0.15	17.41	18.00	1.146	0.018	22.6
Bottom side	100	QPSK 1_1	518598/2592.99	50%	0.332	0.02	17.41	18.00	1.146	0.380	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	518598/2592.99	50%	0.123	0.03	17.30	18.00	1.175	0.145	22.6
Back side	100	QPSK 135_69	518598/2592.99	50%	0.352	-0.12	17.30	18.00	1.175	0.414	22.6
Left side	100	QPSK 135_69	518598/2592.99	50%	0.013	0.03	17.30	18.00	1.175	0.015	22.6
Bottom side	100	QPSK 135_69	518598/2592.99	50%	0.397	0.15	17.30	18.00	1.175	0.466	22.6
Ant7 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-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) SET_1											
Left cheek	100	QPSK 1_1	518598/2592.99	50%	0.150	0.07	16.48	17.00	1.127	0.169	22.6
Left tilted	100	QPSK 1_1	518598/2592.99	50%	0.094	0.19	16.48	17.00	1.127	0.106	22.6
Right cheek	100	QPSK 1_1	518598/2592.99	50%	0.591	0.07	16.48	17.00	1.127	0.666	22.6
Right tilted	100	QPSK 1_1	518598/2592.99	50%	0.186	-0.17	16.48	17.00	1.127	0.210	22.6
Head Test Data (50%RB) SET_1											
Left cheek	100	QPSK 135_69	518598/2592.99	50%	0.140	0.12	16.41	17.00	1.146	0.160	22.6
Left tilted	100	QPSK 135_69	518598/2592.99	50%	0.078	0.18	16.41	17.00	1.146	0.089	22.6
Right cheek	100	QPSK 135_69	518598/2592.99	50%	0.413	0.12	16.41	17.00	1.146	0.473	22.6
Right tilted	100	QPSK 135_69	518598/2592.99	50%	0.176	-0.01	16.41	17.00	1.146	0.202	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	518598/2592.99	50%	0.254	0.16	19.54	20.00	1.112	0.282	22.6
Back side	100	QPSK 1_1	518598/2592.99	50%	0.576	-0.19	19.54	20.00	1.112	0.641	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	518598/2592.99	50%	0.299	0.14	19.53	20.00	1.114	0.333	22.6
Back side	100	QPSK 135_69	518598/2592.99	50%	0.667	0.02	19.53	20.00	1.114	0.743	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											

Back side	100	QPSK 270_0	518598/2592.99	50%	0.622	0.14	18.32	19.00	1.169	0.727	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	518598/2592.99	50%	0.254	0.16	19.54	20.00	1.112	0.282	22.6
Back side	100	QPSK 1_1	518598/2592.99	50%	0.576	-0.19	19.54	20.00	1.112	0.641	22.6
Left side	100	QPSK 1_1	518598/2592.99	50%	0.429	0.17	19.54	20.00	1.112	0.477	22.6
Top side	100	QPSK 1_1	518598/2592.99	50%	0.118	-0.01	19.54	20.00	1.112	0.131	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	518598/2592.99	50%	0.299	0.14	19.53	20.00	1.114	0.333	22.6
Back side	100	QPSK 135_69	518598/2592.99	50%	0.667	0.02	19.53	20.00	1.114	0.743	22.6
Left side	100	QPSK 135_69	518598/2592.99	50%	0.463	0.11	19.53	20.00	1.114	0.516	22.6
Top side	100	QPSK 135_69	518598/2592.99	50%	0.140	-0.12	19.53	20.00	1.114	0.156	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Back side	100	QPSK 270_0	518598/2592.99	50%	0.622	0.14	18.32	19.00	1.169	0.727	22.6

10.3.26 SAR Result of NR Band n48

SA N48 SAR Test Record											
Ant4 Test Record											
Test position	BW	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scale factor	Scale SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	100	QPSK 1_1	641666/3624.99	50%	0.187	0.15	15.53	16.50	1.250	0.234	22.6
Left tilted	100	QPSK 1_1	641666/3624.99	50%	0.158	-0.19	15.53	16.50	1.250	0.198	22.6
Right cheek	100	QPSK 1_1	641666/3624.99	50%	0.845	0.06	15.53	16.50	1.250	1.056	22.6
Right cheek-repeated	100	QPSK 1_1	641666/3624.99	50%	0.841	0.01	15.53	16.50	1.250	1.051	22.6
Right tilted	100	QPSK 1_1	641666/3624.99	50%	0.415	-0.01	15.53	16.50	1.250	0.519	22.6
Head Test Data (50%RB) SET_1											
Left cheek	100	QPSK 135_69	641666/3624.99	50%	0.182	-0.09	15.45	16.50	1.274	0.232	22.6
Left tilted	100	QPSK 135_69	641666/3624.99	50%	0.154	0.15	15.45	16.50	1.274	0.196	22.6
Right cheek	100	QPSK 135_69	641666/3624.99	50%	0.821	0.02	15.45	16.50	1.274	1.046	22.6
Right tilted	100	QPSK 135_69	641666/3624.99	50%	0.391	0.09	15.45	16.50	1.274	0.498	22.6
Head Test Data (100%RB) SET_1											
Right cheek	100	QPSK 270_0	641666/3624.99	50%	0.803	0.13	14.49	15.50	1.262	1.013	22.6
Head Test Data (1RB) SET_1 (NR UL CA)											
Left cheek	100	QPSK 1_1	641666/3624.99	50%	0.187	0.15	15.53	15.50	0.993	0.186	22.6
Left tilted	100	QPSK 1_1	641666/3624.99	50%	0.158	-0.19	15.53	15.50	0.993	0.157	22.6
Right cheek	100	QPSK 1_1	641666/3624.99	50%	0.845	0.06	15.53	15.50	0.993	0.839	22.6
Right cheek-repeated	100	QPSK 1_1	641666/3624.99	50%	0.841	0.01	15.53	15.50	0.993	0.835	22.6
Right tilted	100	QPSK 1_1	641666/3624.99	50%	0.415	-0.01	15.53	15.50	0.993	0.412	22.6
Head Test Data (50%RB) SET_1 (NR UL CA)											
Left cheek	100	QPSK 135_69	641666/3624.99	50%	0.182	-0.09	15.45	15.50	1.012	0.184	22.6
Left tilted	100	QPSK 135_69	641666/3624.99	50%	0.154	0.15	15.45	15.50	1.012	0.156	22.6
Right cheek	100	QPSK 135_69	641666/3624.99	50%	0.821	0.02	15.45	15.50	1.012	0.831	22.6
Right tilted	100	QPSK 135_69	641666/3624.99	50%	0.391	0.09	15.45	15.50	1.012	0.396	22.6
Head Test Data (100%RB) SET_1 (NR UL CA)											
Right cheek	100	QPSK 270_0	641666/3624.99	50%	0.803	0.13	15.45	14.50	0.804	0.646	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	641666/3624.99	50%	0.260	-0.09	16.03	17.00	1.250	0.325	22.6
Back side	100	QPSK 1_1	641666/3624.99	50%	0.674	0.18	16.03	17.00	1.250	0.843	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	641666/3624.99	50%	0.262	-0.06	15.91	17.00	1.285	0.337	22.6
Back side	100	QPSK 135_69	641666/3624.99	50%	0.770	0.05	15.91	17.00	1.285	0.989	22.6
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	100	QPSK 270_0	641666/3624.99	50%	0.682	-0.02	14.87	16.00	1.297	0.885	22.6

Body worn Test data (Separate 10mm 1RB) SET_2 (NR UL CA)											
Front side	100	QPSK 1_1	641666/3624.9 g	50%	0.260	-0.09	16.03	16.00	0.993	0.258	22.6
Back side	100	QPSK 1_1	641666/3624.9 g	50%	0.674	0.18	16.03	16.00	0.993	0.669	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2 (NR UL CA)											
Front side	100	QPSK 135 69	641666/3624.9 g	50%	0.262	-0.06	15.91	16.00	1.021	0.268	22.6
Back side	100	QPSK 135 69	641666/3624.9 g	50%	0.770	0.05	15.91	16.00	1.021	0.786	22.6
Body worn Test data (Separate 10mm 100%RB) SET_2 (NR UL CA)											
Back side	100	QPSK 270_0	641666/3624.9 g	50%	0.682	-0.02	14.87	15.00	1.030	0.702	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	641666/3624.9 g	50%	0.260	-0.09	16.03	17.00	1.250	0.325	22.6
Back side	100	QPSK 1_1	641666/3624.9 g	50%	0.674	0.18	16.03	17.00	1.250	0.843	22.6
Left side	100	QPSK 1_1	641666/3624.9 g	50%	0.760	-0.08	16.03	17.00	1.250	0.950	22.6
Top side	100	QPSK 1_1	641666/3624.9 g	50%	0.131	-0.14	16.03	17.00	1.250	0.164	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135 69	641666/3624.9 g	50%	0.262	-0.06	15.91	17.00	1.285	0.337	22.6
Back side	100	QPSK 135 69	641666/3624.9 g	50%	0.770	0.05	15.91	17.00	1.285	0.989	22.6
Left side	100	QPSK 135 69	641666/3624.9 g	50%	0.821	0.19	15.91	17.00	1.285	1.055	22.6
Top side	100	QPSK 135 69	641666/3624.9 g	50%	0.154	0.03	15.91	17.00	1.285	0.198	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	100	QPSK 270_0	641666/3624.9 g	50%	0.682	-0.02	14.87	16.00	1.297	0.885	22.6
Left side	100	QPSK 270_0	641666/3624.9 g	50%	0.781	0.06	14.87	16.00	1.297	1.013	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2 (NR UL CA)											
Front side	100	QPSK 1_1	641666/3624.9 g	50%	0.260	-0.09	16.03	16.00	0.993	0.258	22.6
Back side	100	QPSK 1_1	641666/3624.9 g	50%	0.674	0.18	16.03	16.00	0.993	0.669	22.6
Left side	100	QPSK 1_1	641666/3624.9 g	50%	0.760	-0.08	16.03	16.00	0.993	0.755	22.6
Top side	100	QPSK 1_1	641666/3624.9 g	50%	0.131	-0.14	16.03	16.00	0.993	0.130	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2 (NR UL CA)											
Front side	100	QPSK 135 69	641666/3624.9 g	50%	0.262	-0.06	15.91	16.00	1.021	0.268	22.6
Back side	100	QPSK 135 69	641666/3624.9 g	50%	0.770	0.05	15.91	16.00	1.021	0.786	22.6
Left side	100	QPSK 135 69	641666/3624.9 g	50%	0.821	0.19	15.91	16.00	1.021	0.838	22.6
Top side	100	QPSK 135 69	641666/3624.9 g	50%	0.154	0.03	15.91	16.00	1.021	0.157	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2 (NR UL CA)											
Back side	100	QPSK 270_0	641666/3624.9 g	50%	0.682	-0.02	14.87	15.00	1.030	0.702	22.6
Left side	100	QPSK 270_0	641666/3624.9 g	50%	0.781	0.06	14.87	15.00	1.030	0.804	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	641666/3624.99	0.845	0.841	1.005	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).						