

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZSAR-TRF-01 Rev. A/0 May15,2023

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Back side	20	QPSK 100_0	40185/2549.5	1:1.58	0.369	0.167	0.04	18.40	19.50	1.288	0.475	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	41055/2636.5	1:1.58	0.087	0.040	0.16	18.49	19.50	1.262	0.110	22.7
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.119	0.057	0.04	18.49	19.50	1.262	0.150	22.7
Right side	20	QPSK 1_0	41055/2636.5	1:1.58	0.485	0.224	0.02	18.49	19.50	1.262	0.612	22.7
Right side	20	QPSK 1_0	39750/2506	1:1.58	0.432	0.195	-0.12	18.41	19.50	1.285	0.555	22.7
Right side	20	QPSK 1_0	40185/2549.5	1:1.58	0.487	0.229	-0.03	18.40	19.50	1.288	0.627	22.7
Right side	20	QPSK 1_0	40620/2593	1:1.58	0.448	0.205	-0.06	18.25	19.50	1.334	0.597	22.7
Right side	20	QPSK 1_0	41490/2680	1:1.58	0.468	0.215	-0.18	18.39	19.50	1.291	0.604	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	41055/2636.5	1:1.58	0.233	0.111	-0.18	18.50	19.50	1.259	0.293	22.7
Back side	20	QPSK 50_0	41055/2636.5	1:1.58	0.324	0.152	0.07	18.50	19.50	1.259	0.408	22.7
Right side	20	QPSK 50_0	41055/2636.5	1:1.58	0.401	0.186	0.04	18.50	19.50	1.259	0.505	22.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	41055/2636.5	0.888	0.855	1.039	N/A	N/A

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

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

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

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

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



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9.2.14 SAR Result of LTE Band 42

LTE Band 42 SAR Test Record												
Ant 6 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	42990/3540	1:1.58	0.446	0.198	-0.11	19.90	21.00	1.288	0.575	22.7
Left tilted	20	QPSK 1_0	42990/3540	1:1.58	0.582	0.248	-0.11	19.90	21.00	1.288	0.750	22.7
Right cheek	20	QPSK 1_0	42990/3540	1:1.58	0.453	0.207	-0.04	19.90	21.00	1.288	0.584	22.7
Right tilted	20	QPSK 1_0	42990/3540	1:1.58	0.487	0.209	-0.04	19.90	21.00	1.288	0.627	22.7
Left tilted	20	QPSK 1_99	42190/3460	1:1.58	0.697	0.303	-0.03	19.85	21.00	1.303	0.908	22.7
Left tilted	20	QPSK 1_0	42590/3500	1:1.58	0.652	0.287	-0.06	19.87	21.00	1.297	0.846	22.7
Right tilted	20	QPSK 1_99	42190/3460	1:1.58	0.550	0.234	0.10	19.85	21.00	1.303	0.717	22.7
Right tilted	20	QPSK 1_0	42590/3500	1:1.58	0.502	0.219	0.14	19.87	21.00	1.297	0.651	22.7
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	42990/3540	1:1.58	0.436	0.192	0.12	19.93	21.00	1.279	0.558	22.7
Left tilted	20	QPSK 50_0	42990/3540	1:1.58	0.565	0.250	-0.13	19.93	21.00	1.279	0.723	22.7
Right cheek	20	QPSK 50_0	42990/3540	1:1.58	0.446	0.208	0.07	19.93	21.00	1.279	0.571	22.7
Right tilted	20	QPSK 50_0	42990/3540	1:1.58	0.488	0.211	-0.07	19.93	21.00	1.279	0.624	22.7
Left tilted	20	QPSK 50_0	42190/3460	1:1.58	0.730	0.315	0.18	19.89	21.00	1.291	0.943	22.7
Left tilted	20	QPSK 50_0	42590/3500	1:1.58	0.627	0.277	0.05	19.90	21.00	1.288	0.808	22.7
Right tilted	20	QPSK 50_0	42190/3460	1:1.58	0.587	0.249	-0.10	19.89	21.00	1.291	0.758	22.7
Right tilted	20	QPSK 50_0	42590/3500	1:1.58	0.499	0.224	0.14	19.90	21.00	1.288	0.643	22.7
Head Test Data (100%RB) DSI1												
Left tilted	20	QPSK 100_0	42990/3540	1:1.58	0.557	0.246	-0.04	19.92	21.00	1.282	0.714	22.7
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_99	42190/3460	1:1.58	0.241	0.106	0.00	18.95	20.00	1.274	0.307	22.3
Back side	20	QPSK 1_99	42190/3460	1:1.58	0.481	0.199	0.02	18.95	20.00	1.274	0.613	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_50	42190/3460	1:1.58	0.239	0.102	-0.02	18.99	20.00	1.262	0.302	22.3
Back side	20	QPSK 50_50	42190/3460	1:1.58	0.474	0.196	-0.16	18.99	20.00	1.262	0.598	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_99	42190/3460	1:1.58	0.358	0.175	-0.18	24.84	26.00	1.306	0.468	22.3
Back side with 10mm	20	QPSK 1_99	42190/3460	1:1.58	0.612	0.281	0.00	24.84	26.00	1.306	0.799	22.3
Back side with 10mm	20	QPSK 1_99	42590/3500	1:1.58	0.597	0.269	-0.16	24.74	26.00	1.337	0.798	22.3
Back side with 10mm	20	QPSK 1_99	42990/3540	1:1.58	0.512	0.234	-0.08	24.83	26.00	1.309	0.670	22.3
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_50	42190/3460	1:1.58	0.227	0.135	0.02	23.97	25.00	1.268	0.288	22.3
Back side with 10mm	20	QPSK 50_50	42190/3460	1:1.58	0.491	0.220	0.12	23.97	25.00	1.268	0.622	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	42190/3460	1:1.58	0.160	0.070	-0.07	18.95	20.00	1.274	0.204	22.3
Back side	20	QPSK 1_99	42190/3460	1:1.58	0.224	0.096	0.16	18.95	20.00	1.274	0.285	22.3
Right side	20	QPSK 1_99	42190/3460	1:1.58	0.307	0.132	0.02	18.95	20.00	1.274	0.391	22.3



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Top side	20	QPSK 1_99	42190/3460	1:1.58	0.084	0.040	-0.04	18.95	20.00	1.274	0.107	22.3
Hotspot Test data (Separate 10mm 50%RB) DS15												
Front side	20	QPSK 50_50	42190/3460	1:1.58	0.162	0.072	-0.14	18.99	20.00	1.262	0.204	22.3
Back side	20	QPSK 50_50	42190/3460	1:1.58	0.223	0.092	-0.19	18.99	20.00	1.262	0.281	22.3
Right side	20	QPSK 50_50	42190/3460	1:1.58	0.303	0.128	-0.02	18.99	20.00	1.262	0.382	22.3
Top side	20	QPSK 50_50	42190/3460	1:1.58	0.076	0.038	0.17	18.99	20.00	1.262	0.096	22.3
Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	20	QPSK 1_0	42990/3540	1:1.58	0.195	0.089	-0.07	18.11	19.50	1.377	0.269	22.1
Left tilted	20	QPSK 1_0	42990/3540	1:1.58	0.178	0.080	-0.11	18.11	19.50	1.377	0.245	22.1
Right cheek	20	QPSK 1_0	42990/3540	1:1.58	0.625	0.276	0.10	18.11	19.50	1.377	0.861	22.1
Right tilted	20	QPSK 1_0	42990/3540	1:1.58	0.452	0.186	0.12	18.11	19.50	1.377	0.622	22.1
Right cheek	20	QPSK 1_99	42190/3460	1:1.58	0.526	0.235	0.00	18.10	19.50	1.380	0.726	22.1
Right cheek	20	QPSK 1_99	42590/3500	1:1.58	0.634	0.267	-0.08	17.81	19.50	1.476	0.936	22.1
Right tilted	20	QPSK 1_99	42190/3460	1:1.58	0.369	0.153	0.01	18.10	19.50	1.380	0.509	22.1
Right tilted	20	QPSK 1_99	42590/3500	1:1.58	0.436	0.181	-0.13	17.81	19.50	1.476	0.643	22.1
Head Test Data (50%RB) DS11												
Left cheek	20	QPSK 50_0	42990/3540	1:1.58	0.191	0.087	-0.04	18.06	19.50	1.393	0.266	22.1
Left tilted	20	QPSK 50_0	42990/3540	1:1.58	0.179	0.081	0.05	18.06	19.50	1.393	0.249	22.1
Right cheek	20	QPSK 50_0	42990/3540	1:1.58	0.631	0.276	-0.19	18.06	19.50	1.393	0.879	22.1
Right tilted	20	QPSK 50_0	42990/3540	1:1.58	0.453	0.187	0.12	18.06	19.50	1.393	0.631	22.1
Right cheek	20	QPSK 50_50	42190/3460	1:1.58	0.510	0.227	-0.13	18.05	19.50	1.396	0.712	22.1
Right cheek	20	QPSK 50_50	42590/3500	1:1.58	0.610	0.270	0.02	18.02	19.50	1.406	0.858	22.1
Right tilted	20	QPSK 50_50	42190/3460	1:1.58	0.359	0.148	0.01	18.05	19.50	1.396	0.501	22.1
Right tilted	20	QPSK 50_50	42590/3500	1:1.58	0.431	0.178	0.18	18.02	19.50	1.406	0.606	22.1
Head Test Data (100%RB) DS11												
Right cheek	20	QPSK 100_0	42990/3540	1:1.58	0.615	0.275	0.18	18.02	19.50	1.406	0.865	22.1
Right tilted	20	QPSK 100_0	42990/3540	1:1.58	0.454	0.187	-0.04	18.02	19.50	1.406	0.638	22.1
Body worn Test data (Separate 5mm 1RB) DS14												
Front side	20	QPSK 1_0	42990/3540	1:1.58	0.233	0.106	-0.10	18.45	20.00	1.429	0.333	22.3
Back side	20	QPSK 1_0	42990/3540	1:1.58	0.504	0.209	-0.01	18.45	20.00	1.429	0.720	22.3
Front side	20	QPSK 1_0	42190/3460	1:1.58	0.284	0.122	-0.04	18.40	20.00	1.445	0.411	22.3
Front side	20	QPSK 1_0	42590/3500	1:1.58	0.257	0.113	-0.19	18.20	20.00	1.514	0.389	22.3
Back side	20	QPSK 1_0	42190/3460	1:1.58	0.533	0.223	-0.10	18.40	20.00	1.445	0.770	22.3
Back side	20	QPSK 1_0	42590/3500	1:1.58	0.552	0.220	-0.07	18.20	20.00	1.514	0.835	22.3
Body worn Test data (Separate 5mm 50%RB) DS14												
Front side	20	QPSK 50_0	42590/3500	1:1.58	0.203	0.091	-0.06	18.46	20.00	1.426	0.289	22.3
Back side	20	QPSK 50_0	42590/3500	1:1.58	0.443	0.183	-0.14	18.46	20.00	1.426	0.632	22.3
Back side	20	QPSK 50_0	42190/3460	1:1.58	0.428	0.179	-0.17	18.42	20.00	1.439	0.616	22.3
Back side	20	QPSK 50_0	42990/3540	1:1.58	0.407	0.162	-0.02	18.38	20.00	1.452	0.591	22.3
Body worn Test data (Separate 5mm 50%RB) DS14												
Back side	20	QPSK 100_0	42190/3460	1:1.58	0.433	0.181	-0.08	18.52	20.00	1.406	0.609	22.3



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Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	42990/3540	1:1.58	0.258	0.126	-0.03	18.11	19.50	1.377	0.355	22.3
Back side	20	QPSK 1_0	42990/3540	1:1.58	0.273	0.124	-0.14	18.11	19.50	1.377	0.376	22.3
Left side	20	QPSK 1_0	42990/3540	1:1.58	0.407	0.180	-0.18	18.11	19.50	1.377	0.561	22.3
Top side	20	QPSK 1_0	42990/3540	1:1.58	0.168	0.074	0.04	18.11	19.50	1.377	0.231	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	42990/3540	1:1.58	0.256	0.124	0.16	18.06	19.50	1.393	0.357	22.3
Back side	20	QPSK 50_0	42990/3540	1:1.58	0.294	0.128	-0.01	18.06	19.50	1.393	0.410	22.3
Left side	20	QPSK 50_0	42990/3540	1:1.58	0.455	0.194	-0.15	18.06	19.50	1.393	0.634	22.3
Top side	20	QPSK 50_0	42990/3540	1:1.58	0.170	0.074	0.15	18.06	19.50	1.393	0.237	22.3
Ant 8 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	42990/3540	1:1.58	0.833	0.328	0.01	20.20	21.00	1.202	1.001	22.1
Left tilted	20	QPSK 1_99	42990/3540	1:1.58	0.330	0.139	-0.05	20.20	21.00	1.202	0.397	22.1
Right cheek	20	QPSK 1_99	42990/3540	1:1.58	0.166	0.077	0.08	20.20	21.00	1.202	0.200	22.1
Right tilted	20	QPSK 1_99	42990/3540	1:1.58	0.107	0.051	0.09	20.20	21.00	1.202	0.129	22.1
Left cheek	20	QPSK 1_99	42190/3460	1:1.58	0.893	0.360	-0.15	20.19	21.00	1.205	1.076	22.1
Left cheek	20	QPSK 1_99	42590/3500	1:1.58	0.860	0.347	-0.04	20.17	21.00	1.211	1.041	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	42990/3540	1:1.58	0.848	0.331	0.06	20.22	21.00	1.197	1.015	22.1
Left tilted	20	QPSK 50_0	42990/3540	1:1.58	0.338	0.141	0.07	20.22	21.00	1.197	0.404	22.1
Right cheek	20	QPSK 50_0	42990/3540	1:1.58	0.168	0.078	-0.18	20.22	21.00	1.197	0.201	22.1
Right tilted	20	QPSK 50_0	42990/3540	1:1.58	0.108	0.051	0.19	20.22	21.00	1.197	0.129	22.1
Left cheek	20	QPSK 50_50	42190/3460	1:1.58	0.894	0.320	0.15	20.13	21.00	1.222	1.092	22.1
Left cheek	20	QPSK 50_50	42590/3500	1:1.58	0.863	0.349	0.10	20.19	21.00	1.205	1.040	22.1
Left cheek with Repeat	20	QPSK 50_50	42190/3460	1:1.58	0.877	0.311	-0.05	20.13	21.00	1.222	1.072	22.1
Head Test Data (100%RB) DSI1												
Left cheek	20	QPSK 100_0	42990/3540	1:1.58	0.813	0.329	0.18	20.21	21.00	1.199	0.975	22.1
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_0	42190/3460	1:1.58	0.250	0.109	-0.13	20.78	21.50	1.180	0.295	22.3
Back side	20	QPSK 1_0	42190/3460	1:1.58	0.497	0.206	-0.01	20.78	21.50	1.180	0.587	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_25	42190/3460	1:1.58	0.235	0.102	-0.16	20.83	21.50	1.167	0.274	22.3
Back side	20	QPSK 50_25	42190/3460	1:1.58	0.488	0.203	0.05	20.83	21.50	1.167	0.569	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_0	42190/3460	1:1.58	0.364	0.175	0.15	22.65	24.00	1.365	0.497	22.3
Back side with 10mm	20	QPSK 1_0	42190/3460	1:1.58	0.611	0.273	-0.15	22.65	24.00	1.365	0.834	22.3
Back side with 10mm	20	QPSK 1_0	42590/3500	1:1.58	0.613	0.279	-0.02	22.53	24.00	1.403	0.860	22.3
Back side with 10mm	20	QPSK 1_0	42990/3540	1:1.58	0.560	0.254	-0.15	22.53	24.00	1.403	0.786	22.3
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_25	42190/3460	1:1.58	0.287	0.139	0.07	21.74	23.00	1.337	0.384	22.3
Back side with 10mm	20	QPSK 50_25	42190/3460	1:1.58	0.481	0.215	0.17	21.74	23.00	1.337	0.643	22.3



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Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	20	QPSK 100_0	42190/3460	1:1.58	0.488	0.219	0.06	21.74	23.00	1.337	0.652	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	42990/3540	1:1.58	0.165	0.072	-0.19	20.20	21.00	1.202	0.198	22.3
Back side	20	QPSK 1_99	42990/3540	1:1.58	0.236	0.099	-0.13	20.20	21.00	1.202	0.284	22.3
Right side	20	QPSK 1_99	42990/3540	1:1.58	0.319	0.135	-0.11	20.20	21.00	1.202	0.384	22.3
Top side	20	QPSK 1_99	42990/3540	1:1.58	0.068	0.030	0.05	20.20	21.00	1.202	0.082	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	42990/3540	1:1.58	0.166	0.074	0.03	20.22	21.00	1.197	0.199	22.3
Back side	20	QPSK 50_0	42990/3540	1:1.58	0.242	0.102	0.09	20.22	21.00	1.197	0.290	22.3
Right side	20	QPSK 50_0	42990/3540	1:1.58	0.323	0.137	0.17	20.22	21.00	1.197	0.387	22.3
Top side	20	QPSK 50_0	42990/3540	1:1.58	0.068	0.031	0.10	20.22	21.00	1.197	0.081	22.3
Ant 9 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	42590/3500	1:1.58	0.069	0.033	0.13	22.39	24.00	1.449	0.100	22.1
Left tilted	20	QPSK 1_99	42590/3500	1:1.58	0.055	0.024	0.13	22.39	24.00	1.449	0.080	22.1
Right cheek	20	QPSK 1_99	42590/3500	1:1.58	0.306	0.126	-0.07	22.39	24.00	1.449	0.443	22.1
Right tilted	20	QPSK 1_99	42590/3500	1:1.58	0.184	0.082	0.07	22.39	24.00	1.449	0.267	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	42190/3460	1:1.58	0.045	0.021	0.02	21.50	23.00	1.413	0.064	22.1
Left tilted	20	QPSK 50_0	42190/3460	1:1.58	0.068	0.015	0.01	21.50	23.00	1.413	0.096	22.1
Right cheek	20	QPSK 50_0	42190/3460	1:1.58	0.186	0.075	0.06	21.50	23.00	1.413	0.263	22.1
Right tilted	20	QPSK 50_0	42190/3460	1:1.58	0.117	0.053	0.05	21.50	23.00	1.413	0.165	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	42590/3500	1:1.58	0.374	0.172	0.12	13.34	14.50	1.306	0.489	22.3
Back side	20	QPSK 1_0	42590/3500	1:1.58	0.750	0.332	-0.04	13.34	14.50	1.306	0.980	22.3
Front side	20	QPSK 1_0	42190/3460	1:1.58	0.431	0.188	0.13	13.24	14.50	1.337	0.576	22.3
Front side	20	QPSK 1_0	42990/3540	1:1.58	0.362	0.169	-0.18	13.33	14.50	1.309	0.474	22.3
Back side	20	QPSK 1_0	42190/3460	1:1.58	0.828	0.237	0.01	13.29	14.50	1.321	1.094	22.3
Back side	20	QPSK 1_0	42990/3540	1:1.58	0.722	0.299	0.04	13.33	14.50	1.309	0.945	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	42590/3500	1:1.58	0.310	0.146	0.12	13.12	14.50	1.374	0.426	22.3
Back side	20	QPSK 50_0	42590/3500	1:1.58	0.627	0.260	0.15	13.12	14.50	1.374	0.862	22.3
Back side	20	QPSK 50_0	42190/3460	1:1.58	0.655	0.269	-0.13	13.10	14.50	1.380	0.904	22.3
Back side	20	QPSK 50_0	42990/3540	1:1.58	0.582	0.235	0.14	13.05	14.50	1.396	0.813	22.3
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK 100_0	42990/3540	1:1.58	0.618	0.258	-0.03	13.03	14.50	1.403	0.867	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	42590/3500	1:1.58	0.037	0.015	-0.03	13.34	14.50	1.306	0.048	22.3
Back side	20	QPSK 1_0	42590/3500	1:1.58	0.524	0.190	-0.01	13.34	14.50	1.306	0.684	22.3
Left side	20	QPSK 1_0	42590/3500	1:1.58	0.117	0.052	-0.12	13.34	14.50	1.306	0.153	22.3
Top side	20	QPSK 1_0	42590/3500	1:1.58	0.049	0.022	-0.03	13.34	14.50	1.306	0.064	22.3



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Back side	20	QPSK 1_0	42190/3460	1:1.58	0.619	0.223	-0.05	13.29	14.50	1.321	0.818	22.3
Back side	20	QPSK 1_50	42990/3540	1:1.58	0.418	0.169	0.08	13.33	14.50	1.309	0.547	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	42590/3500	1:1.58	0.038	0.014	0.06	13.12	14.50	1.374	0.052	22.3
Back side	20	QPSK 50_0	42590/3500	1:1.58	0.541	0.191	-0.19	13.12	14.50	1.374	0.743	22.3
Left side	20	QPSK 50_0	42590/3500	1:1.58	0.120	0.053	0.07	13.12	14.50	1.374	0.165	22.3
Top side	20	QPSK 50_0	42590/3500	1:1.58	0.078	0.022	0.11	13.12	14.50	1.374	0.107	22.3
Back side	20	QPSK 50_0	42190/3460	1:1.58	0.585	0.212	-0.09	13.10	14.50	1.380	0.808	22.3
Back side	20	QPSK 50_0	42990/3540	1:1.58	0.432	0.172	0.09	13.05	14.50	1.396	0.603	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Back side	20	QPSK 100_0	42990/3540	1:1.58	0.538	0.192	0.03	13.03	14.50	1.403	0.755	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left cheek	42190/3460	0.894	0.877	1.019	N/A	N/A

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

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

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

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

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



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9.2.15 SAR Result of LTE Band 48

LTE Band 48 SAR Test Record												
Ant 6 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	55340/3560	1:1.58	0.292	0.127	0.12	18.26	19.50	1.330	0.388	22.7
Left tilted	20	QPSK 1_0	55340/3560	1:1.58	0.379	0.165	0.04	18.26	19.50	1.330	0.504	22.7
Right cheek	20	QPSK 1_0	55340/3560	1:1.58	0.317	0.148	-0.01	18.26	19.50	1.330	0.422	22.7
Right tilted	20	QPSK 1_0	55340/3560	1:1.58	0.370	0.154	-0.06	18.26	19.50	1.330	0.492	22.7
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	56640/3690	1:1.58	0.401	0.149	-0.06	18.24	19.50	1.337	0.536	22.7
Left tilted	20	QPSK 50_50	56640/3690	1:1.58	0.647	0.229	0.03	18.24	19.50	1.337	0.865	22.7
Right cheek	20	QPSK 50_50	56640/3690	1:1.58	0.363	0.146	0.12	18.24	19.50	1.337	0.485	22.7
Right tilted	20	QPSK 50_50	56640/3690	1:1.58	0.484	0.184	0.07	18.24	19.50	1.337	0.647	22.7
Left tilted	20	QPSK 50_0	55990/3625	1:1.58	0.349	0.153	-0.06	18.22	19.50	1.343	0.469	22.7
Left tilted	20	QPSK 50_0	55340/3560	1:1.58	0.353	0.156	0.16	18.19	19.50	1.352	0.477	22.7
Right tilted	20	QPSK 50_0	55990/3625	1:1.58	0.372	0.153	0.14	18.22	19.50	1.343	0.500	22.7
Right tilted	20	QPSK 50_0	55340/3560	1:1.58	0.353	0.149	0.00	18.19	19.50	1.352	0.477	22.7
Head Test Data (100%RB) DSI1												
Left tilted	20	QPSK 100_0	56640/3690	1:1.58	0.631	0.218	0.03	18.20	19.50	1.349	0.851	22.7
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_99	56640/3690	1:1.58	0.124	0.052	0.10	16.29	17.50	1.321	0.164	22.3
Back side	20	QPSK 1_99	56640/3690	1:1.58	0.254	0.096	-0.05	16.29	17.50	1.321	0.336	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_0	55340/3560	1:1.58	0.114	0.054	0.06	16.30	17.50	1.318	0.150	22.3
Back side	20	QPSK 50_0	55340/3560	1:1.58	0.214	0.093	0.19	16.30	17.50	1.318	0.282	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_99	56640/3690	1:1.58	0.133	0.057	0.00	21.53	22.50	1.250	0.166	22.3
Back side with 10mm	20	QPSK 1_99	56640/3690	1:1.58	0.182	0.073	0.05	21.53	22.50	1.250	0.228	22.3
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_0	55340/3560	1:1.58	0.097	0.046	-0.19	20.62	21.50	1.225	0.119	22.3
Back side with 10mm	20	QPSK 50_0	55340/3560	1:1.58	0.161	0.074	-0.16	20.62	21.50	1.225	0.197	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	56640/3690	1:1.58	0.104	0.049	0.16	16.29	17.50	1.321	0.137	22.3
Back side	20	QPSK 1_99	56640/3690	1:1.58	0.170	0.074	-0.05	16.29	17.50	1.321	0.225	22.3
Right side	20	QPSK 1_99	56640/3690	1:1.58	0.089	0.022	0.04	16.29	17.50	1.321	0.118	22.3
Top side	20	QPSK 1_99	56640/3690	1:1.58	0.256	0.104	0.01	16.29	17.50	1.321	0.338	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	55340/3560	1:1.58	0.105	0.046	-0.13	16.30	17.50	1.318	0.138	22.3
Back side	20	QPSK 50_0	55340/3560	1:1.58	0.141	0.054	0.07	16.30	17.50	1.318	0.186	22.3

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Right side	20	QPSK 50_0	55340/3560	1:1.58	0.034	0.009	-0.14	16.30	17.50	1.318	0.045	22.3
Top side	20	QPSK 50_0	55340/3560	1:1.58	0.275	0.095	0.03	16.30	17.50	1.318	0.363	22.3
Top side	20	QPSK 50_25	55990/3625	1:1.58	0.278	0.100	0.07	16.24	17.50	1.337	0.372	22.3
Top side	20	QPSK 50_50	56640/3690	1:1.58	0.285	0.106	0.02	16.17	17.50	1.358	0.387	22.3
Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	55340/3560	1:1.58	0.160	0.072	-0.13	16.60	18.00	1.380	0.221	22.1
Left tilted	20	QPSK 1_99	55340/3560	1:1.58	0.146	0.066	0.19	16.60	18.00	1.380	0.202	22.1
Right cheek	20	QPSK 1_99	55340/3560	1:1.58	0.493	0.217	0.19	16.60	18.00	1.380	0.681	22.1
Right tilted	20	QPSK 1_99	55340/3560	1:1.58	0.374	0.153	0.08	16.60	18.00	1.380	0.516	22.1
Right cheek	20	QPSK 1_99	55990/3625	1:1.58	0.464	0.197	-0.07	16.60	18.00	1.380	0.640	22.1
Right cheek	20	QPSK 1_99	56640/3690	1:1.58	0.460	0.188	-0.03	16.34	18.00	1.466	0.674	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	55340/3560	1:1.58	0.165	0.074	-0.17	16.61	18.00	1.377	0.227	22.1
Left tilted	20	QPSK 50_50	55340/3560	1:1.58	0.151	0.067	-0.17	16.61	18.00	1.377	0.208	22.1
Right cheek	20	QPSK 50_50	55340/3560	1:1.58	0.514	0.223	0.00	16.61	18.00	1.377	0.708	22.1
Right tilted	20	QPSK 50_50	55340/3560	1:1.58	0.368	0.152	0.05	16.61	18.00	1.377	0.507	22.1
Right cheek	20	QPSK 50_0	55990/3625	1:1.58	0.467	0.199	-0.15	16.36	18.00	1.459	0.681	22.1
Right cheek	20	QPSK 50_50	56640/3690	1:1.58	0.458	0.188	-0.12	16.37	18.00	1.455	0.667	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	55340/3560	1:1.58	0.284	0.128	0.09	17.19	18.50	1.352	0.384	22.3
Back side	20	QPSK 1_0	55340/3560	1:1.58	0.553	0.228	-0.10	17.19	18.50	1.352	0.748	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_50	55340/3560	1:1.58	0.217	0.097	0.18	17.21	18.50	1.346	0.292	22.3
Back side	20	QPSK 50_50	55340/3560	1:1.58	0.421	0.171	0.18	17.21	18.50	1.346	0.567	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	55340/3560	1:1.58	0.113	0.052	0.01	16.60	18.00	1.380	0.156	22.3
Back side	20	QPSK 1_99	55340/3560	1:1.58	0.127	0.055	0.06	16.60	18.00	1.380	0.175	22.3
Left side	20	QPSK 1_99	55340/3560	1:1.58	0.193	0.082	-0.14	16.60	18.00	1.380	0.266	22.3
Top side	20	QPSK 1_99	55340/3560	1:1.58	0.067	0.028	0.09	16.60	18.00	1.380	0.092	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	55340/3560	1:1.58	0.107	0.052	-0.09	16.61	18.00	1.377	0.147	22.3
Back side	20	QPSK 50_50	55340/3560	1:1.58	0.127	0.056	-0.08	16.61	18.00	1.377	0.175	22.3
Left side	20	QPSK 50_50	55340/3560	1:1.58	0.168	0.073	-0.17	16.61	18.00	1.377	0.231	22.3
Top side	20	QPSK 50_50	55340/3560	1:1.58	0.093	0.023	0.01	16.61	18.00	1.377	0.128	22.3
Ant 8 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	55340/3560	1:1.58	0.408	0.160	-0.05	16.46	18.00	1.426	0.582	22.1
Left tilted	20	QPSK 1_99	55340/3560	1:1.58	0.173	0.071	-0.08	16.46	18.00	1.426	0.247	22.1



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Right cheek	20	QPSK 1_99	55340/3560	1:1.58	0.088	0.041	-0.03	16.46	18.00	1.426	0.125	22.1
Right tilted	20	QPSK 1_99	55340/3560	1:1.58	0.057	0.027	0.02	16.46	18.00	1.426	0.081	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	55340/3560	1:1.58	0.411	0.161	-0.06	16.43	18.00	1.435	0.590	22.1
Left tilted	20	QPSK 50_50	55340/3560	1:1.58	0.178	0.075	-0.09	16.43	18.00	1.435	0.256	22.1
Right cheek	20	QPSK 50_50	55340/3560	1:1.58	0.090	0.043	0.04	16.43	18.00	1.435	0.129	22.1
Right tilted	20	QPSK 50_50	55340/3560	1:1.58	0.061	0.028	0.15	16.43	18.00	1.435	0.088	22.1
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_99	56640/3690	1:1.58	0.130	0.048	0.06	17.93	19.50	1.435	0.187	22.3
Back side	20	QPSK 1_99	56640/3690	1:1.58	0.264	0.092	-0.16	17.93	19.50	1.435	0.379	22.3
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_50	56640/3690	1:1.58	0.128	0.053	-0.11	17.99	19.50	1.416	0.181	22.3
Back side	20	QPSK 50_50	56640/3690	1:1.58	0.273	0.092	-0.04	17.99	19.50	1.416	0.387	22.3
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_99	56640/3690	1:1.58	0.136	0.060	0.01	19.28	20.50	1.324	0.180	22.3
Back side with 10mm	20	QPSK 1_99	56640/3690	1:1.58	0.182	0.070	0.06	19.28	20.50	1.324	0.241	22.3
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_50	56640/3690	1:1.58	0.109	0.048	0.03	18.26	19.50	1.330	0.145	22.3
Back side with 10mm	20	QPSK 50_50	56640/3690	1:1.58	0.154	0.056	0.04	18.26	19.50	1.330	0.205	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	55340/3560	1:1.58	0.070	0.031	-0.18	16.46	18.00	1.426	0.100	22.3
Back side	20	QPSK 1_99	55340/3560	1:1.58	0.101	0.043	-0.18	16.46	18.00	1.426	0.144	22.3
Right side	20	QPSK 1_99	55340/3560	1:1.58	0.135	0.057	0.04	16.46	18.00	1.426	0.192	22.3
Top side	20	QPSK 1_99	55340/3560	1:1.58	0.028	0.007	-0.12	16.46	18.00	1.426	0.040	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	55340/3560	1:1.58	0.070	0.032	0.14	16.43	18.00	1.435	0.100	22.3
Back side	20	QPSK 50_50	55340/3560	1:1.58	0.094	0.041	-0.17	16.43	18.00	1.435	0.135	22.3
Right side	20	QPSK 50_50	55340/3560	1:1.58	0.131	0.055	0.01	16.43	18.00	1.435	0.188	22.3
Top side	20	QPSK 50_50	55340/3560	1:1.58	0.040	0.017	0.16	16.43	18.00	1.435	0.057	22.3
Ant 9 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_99	56640/3690	1:1.58	0.089	0.036	0.06	18.86	20.50	1.459	0.130	22.1
Left tilted	20	QPSK 1_99	56640/3690	1:1.58	0.099	0.040	0.05	18.86	20.50	1.459	0.144	22.1
Right cheek	20	QPSK 1_99	56640/3690	1:1.58	0.259	0.112	0.16	18.86	20.50	1.459	0.378	22.1
Right tilted	20	QPSK 1_99	56640/3690	1:1.58	0.168	0.074	-0.06	18.86	20.50	1.459	0.245	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_0	55340/3560	1:1.58	0.040	0.016	-0.03	17.89	19.50	1.449	0.058	22.1
Left tilted	20	QPSK 50_0	55340/3560	1:1.58	0.051	0.011	-0.09	17.89	19.50	1.449	0.074	22.1
Right cheek	20	QPSK 50_0	55340/3560	1:1.58	0.155	0.065	-0.17	17.89	19.50	1.449	0.225	22.1
Right tilted	20	QPSK 50_0	55340/3560	1:1.58	0.087	0.039	0.18	17.89	19.50	1.449	0.126	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_99	56640/3690	1:1.58	0.253	0.102	0.04	12.33	14.00	1.469	0.372	22.3



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Back side	20	QPSK 1_99	56640/3690	1:1.58	0.581	0.215	-0.09	12.33	14.00	1.469	0.853	22.3
Back side	20	QPSK 1_99	55990/3625	1:1.58	0.455	0.164	0.15	12.32	14.00	1.472	0.670	22.3
Back side	20	QPSK 1_99	55340/3560	1:1.58	0.451	0.177	-0.13	12.25	14.00	1.496	0.675	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_0	55340/3560	1:1.58	0.191	0.085	-0.15	12.48	14.00	1.419	0.271	22.3
Back side	20	QPSK 50_0	55340/3560	1:1.58	0.421	0.151	-0.18	12.48	14.00	1.419	0.597	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Back side	20	QPSK 100_0	55340/3560	1:1.58	0.552	0.201	-0.16	12.45	14.00	1.429	0.789	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	56640/3690	1:1.58	0.051	0.024	-0.01	12.33	14.00	1.469	0.075	22.3
Back side	20	QPSK 1_99	56640/3690	1:1.58	0.251	0.109	-0.04	12.33	14.00	1.469	0.369	22.3
Left side	20	QPSK 1_99	56640/3690	1:1.58	0.148	0.063	-0.02	12.33	14.00	1.469	0.217	22.3
Top side	20	QPSK 1_99	56640/3690	1:1.58	0.065	0.029	0.16	12.33	14.00	1.469	0.095	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_0	55340/3560	1:1.58	0.041	0.017	0.11	12.48	14.00	1.419	0.058	22.3
Back side	20	QPSK 50_0	55340/3560	1:1.58	0.242	0.107	-0.13	12.48	14.00	1.419	0.343	22.3
Left side	20	QPSK 50_0	55340/3560	1:1.58	0.153	0.067	0.17	12.48	14.00	1.419	0.217	22.3
Top side	20	QPSK 50_0	55340/3560	1:1.58	0.067	0.021	0.17	12.48	14.00	1.419	0.095	22.3



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9.2.16 SAR Result of LTE Band 66

LTE Band 66 SAR Test Record												
Ant 2 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_0	132072/1720	1:1	0.449	0.300	0.16	18.45	19.20	1.189	0.534	22.1
Left tilted	20	QPSK 1_0	132072/1720	1:1	0.466	0.294	-0.13	18.45	19.20	1.189	0.554	22.1
Right cheek	20	QPSK 1_0	132072/1720	1:1	0.794	0.479	0.06	18.45	19.20	1.189	0.944	22.1
Right tilted	20	QPSK 1_0	132072/1720	1:1	0.740	0.381	-0.17	18.45	19.20	1.189	0.879	22.1
Right cheek	20	QPSK 1_99	132322/1745	1:1	0.795	0.486	-0.03	18.30	19.20	1.230	0.978	22.1
Right cheek	20	QPSK 1_99	132572/1770	1:1	0.781	0.467	0.02	18.27	19.20	1.239	0.968	22.1
Right tilted	20	QPSK 1_99	132322/1745	1:1	0.779	0.400	-0.06	18.30	19.20	1.230	0.958	22.1
Right tilted	20	QPSK 1_99	132572/1770	1:1	0.760	0.390	-0.17	18.27	19.20	1.239	0.941	22.1
Right cheek with ENDC	20	QPSK 1_0	132322/1745	1:1	0.786	0.479	0.13	18.37	19.20	1.211	0.952	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	132072/1720	1:1	0.452	0.304	-0.15	18.53	19.20	1.167	0.527	22.1
Left tilted	20	QPSK 50_50	132072/1720	1:1	0.486	0.306	-0.15	18.53	19.20	1.167	0.567	22.1
Right cheek	20	QPSK 50_50	132072/1720	1:1	0.757	0.471	0.01	18.53	19.20	1.167	0.883	22.1
Right tilted	20	QPSK 50_50	132072/1720	1:1	0.751	0.389	0.05	18.53	19.20	1.167	0.876	22.1
Right cheek	20	QPSK 50_50	132322/1745	1:1	0.793	0.487	-0.05	18.40	19.20	1.202	0.953	22.1
Right cheek	20	QPSK 50_50	132572/1770	1:1	0.786	0.470	-0.10	18.31	19.20	1.227	0.965	22.1
Right tilted	20	QPSK 50_50	132322/1745	1:1	0.780	0.402	0.10	18.40	19.20	1.202	0.938	22.1
Right tilted	20	QPSK 50_50	132572/1770	1:1	0.770	0.393	-0.14	18.31	19.20	1.227	0.945	22.1
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK 100_0	132322/1745	1:1	0.788	0.484	-0.12	18.49	19.20	1.178	0.928	22.1
Right tilted	20	QPSK 100_0	132322/1745	1:1	0.751	0.408	0.08	18.49	19.20	1.178	0.884	22.1
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	20	QPSK 1_0	132072/1720	1:1	0.399	0.229	0.07	18.45	19.20	1.189	0.474	22.1
Back side	20	QPSK 1_0	132072/1720	1:1	0.683	0.362	-0.02	18.45	19.20	1.189	0.812	22.1
Back side	20	QPSK 1_99	132322/1745	1:1	0.755	0.385	-0.18	18.30	19.20	1.230	0.929	22.1
Back side	20	QPSK 1_99	132572/1770	1:1	0.761	0.394	0.05	18.27	19.20	1.239	0.943	22.1
Back side with ENDC	20	QPSK 1_99	132572/1770	1:1	0.770	0.399	0.05	18.46	19.20	1.186	0.913	22.1
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	20	QPSK 50_25	132072/1720	1:1	0.401	0.234	-0.05	18.53	19.20	1.167	0.468	22.1
Back side	20	QPSK 50_25	132072/1720	1:1	0.682	0.371	0.05	18.53	19.20	1.167	0.796	22.1
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	20	QPSK 100_0	132072/1720	1:1	0.702	0.395	-0.08	18.49	19.20	1.178	0.827	22.1
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 1_0	132072/1720	1:1	0.345	0.217	0.08	21.64	22.20	1.138	0.392	22.1
Back side with 10mm	20	QPSK 1_0	132072/1720	1:1	0.555	0.348	-0.19	21.64	22.20	1.138	0.631	22.1
Back side with 10mm	20	QPSK 1_0	132322/1745	1:1	0.578	0.330	-0.06	21.57	22.20	1.156	0.668	22.1



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Back side with 10mm	20	QPSK 1_0	132572/1770	1:1	0.701	0.397	-0.03	21.46	22.20	1.186	0.831	22.1
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK 50_25	132072/1720	1:1	0.277	0.175	-0.03	21.64	22.20	1.138	0.315	22.1
Back side with 10mm	20	QPSK 50_25	132072/1720	1:1	0.564	0.333	-0.05	21.64	22.20	1.138	0.642	22.1
Back side with 10mm	20	QPSK 50_25	132322/1745	1:1	0.610	0.357	0.18	21.61	22.20	1.146	0.699	22.1
Back side with 10mm	20	QPSK 50_0	132572/1770	1:1	0.650	0.360	0.02	21.55	22.20	1.161	0.755	22.1
Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	20	QPSK 100_0	132072/1720	1:1	0.610	0.356	0.13	21.74	22.20	1.112	0.678	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	132072/1720	1:1	0.161	0.103	-0.04	18.45	19.20	1.189	0.191	22.7
Back side	20	QPSK 1_0	132072/1720	1:1	0.268	0.163	0.00	18.45	19.20	1.189	0.319	22.7
Left side	20	QPSK 1_0	132072/1720	1:1	0.068	0.035	-0.11	18.45	19.20	1.189	0.081	22.7
Top side	20	QPSK 1_0	132072/1720	1:1	0.294	0.160	0.17	18.45	19.20	1.189	0.349	22.7
Top side with ENDC	20	QPSK 1_99	132072/1720	1:1	0.289	0.157	-0.18	18.51	19.20	1.172	0.339	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	132072/1720	1:1	0.171	0.107	-0.06	18.53	19.20	1.167	0.200	22.7
Back side	20	QPSK 50_50	132072/1720	1:1	0.297	0.170	0.19	18.53	19.20	1.167	0.347	22.7
Left side	20	QPSK 50_50	132072/1720	1:1	0.081	0.043	0.14	18.53	19.20	1.167	0.095	22.7
Top side	20	QPSK 50_50	132072/1720	1:1	0.296	0.165	-0.18	18.53	19.20	1.167	0.345	22.7
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_50	132072/1720	1:1	0.118	0.076	-0.15	25.26	25.70	1.107	0.131	22.1
Left tilted	20	QPSK 1_50	132072/1720	1:1	0.079	0.049	0.08	25.26	25.70	1.107	0.087	22.1
Right cheek	20	QPSK 1_50	132072/1720	1:1	0.157	0.096	0.06	25.26	25.70	1.107	0.174	22.1
Right tilted	20	QPSK 1_50	132072/1720	1:1	0.089	0.053	-0.06	25.26	25.70	1.107	0.098	22.1
Right cheek with ENDC	20	QPSK 1_50	132072/1720	1:1	0.131	0.081	-0.12	24.63	25.70	1.279	0.168	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	132072/1720	1:1	0.095	0.061	-0.10	24.35	24.70	1.084	0.103	22.1
Left tilted	20	QPSK 50_50	132072/1720	1:1	0.066	0.041	-0.14	24.35	24.70	1.084	0.072	22.1
Right cheek	20	QPSK 50_50	132072/1720	1:1	0.126	0.077	0.05	24.35	24.70	1.084	0.137	22.1
Right tilted	20	QPSK 50_50	132072/1720	1:1	0.064	0.039	0.08	24.35	24.70	1.084	0.069	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_99	132072/1720	1:1	0.473	0.241	-0.02	20.04	20.20	1.038	0.491	22.1
Back side	20	QPSK 1_99	132072/1720	1:1	0.662	0.319	0.14	20.04	20.20	1.038	0.687	22.1
Back side with ENDC	20	QPSK 1_50	132072/1720	1:1	0.527	0.251	-0.10	19.18	20.20	1.265	0.667	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_50	132072/1720	1:1	0.448	0.228	0.03	20.09	20.20	1.026	0.459	22.1
Back side	20	QPSK 50_50	132072/1720	1:1	0.587	0.309	-0.07	20.09	20.20	1.026	0.602	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	132072/1720	1:1	0.328	0.181	0.06	20.04	20.20	1.038	0.340	22.7
Back side	20	QPSK 1_99	132072/1720	1:1	0.401	0.216	0.07	20.04	20.20	1.038	0.416	22.7
Left side	20	QPSK 1_99	132072/1720	1:1	0.111	0.059	-0.15	20.04	20.20	1.038	0.115	22.7



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Bottom side	20	QPSK 1_99	132072/1720	1:1	0.519	0.267	0.19	20.04	20.20	1.038	0.538	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	132072/1720	1:1	0.327	0.179	0.13	20.09	20.20	1.026	0.335	22.7
Back side	20	QPSK 50_50	132072/1720	1:1	0.398	0.218	0.19	20.09	20.20	1.026	0.408	22.7
Left side	20	QPSK 50_50	132072/1720	1:1	0.117	0.064	-0.19	20.09	20.20	1.026	0.120	22.7
Bottom side	20	QPSK 50_50	132072/1720	1:1	0.526	0.268	0.05	20.09	20.20	1.026	0.539	22.7
Bottom side with ENDC	20	QPSK 50_50	132072/1720	1:1	0.415	0.210	0.07	19.20	20.20	1.259	0.522	22.7
Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK 1_50	132072/1720	1:1	0.206	0.130	-0.19	19.83	21.20	1.371	0.282	22.1
Left tilted	20	QPSK 1_50	132072/1720	1:1	0.084	0.053	0.00	19.83	21.20	1.371	0.115	22.1
Right cheek	20	QPSK 1_50	132072/1720	1:1	0.505	0.242	0.19	19.83	21.20	1.371	0.692	22.1
Right tilted	20	QPSK 1_50	132072/1720	1:1	0.198	0.105	0.00	19.83	21.20	1.371	0.271	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_25	132322/1745	1:1	0.206	0.129	-0.10	19.83	21.20	1.371	0.282	22.1
Left tilted	20	QPSK 50_25	132322/1745	1:1	0.085	0.053	0.07	19.83	21.20	1.371	0.117	22.1
Right cheek	20	QPSK 50_25	132322/1745	1:1	0.517	0.254	-0.16	19.83	21.20	1.371	0.709	22.1
Right tilted	20	QPSK 50_25	132322/1745	1:1	0.196	0.103	0.11	19.83	21.20	1.371	0.269	22.1
Right cheek with ENDC	20	QPSK 50_25	132322/1745	1:1	0.522	0.257	-0.07	20.00	21.20	1.318	0.688	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_0	132072/1720	1:1	0.244	0.128	-0.19	18.72	19.70	1.253	0.306	22.1
Back side	20	QPSK 1_0	132072/1720	1:1	0.440	0.201	0.15	18.72	19.70	1.253	0.551	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_50	132072/1720	1:1	0.290	0.151	0.03	18.65	19.70	1.274	0.369	22.1
Back side	20	QPSK 50_50	132072/1720	1:1	0.470	0.234	0.00	18.65	19.70	1.274	0.599	22.1
Back side with ENDC	20	QPSK 50_25	132072/1720	1:1	0.434	0.216	-0.13	18.41	19.70	1.346	0.584	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_0	132072/1720	1:1	0.109	0.058	0.18	18.72	19.70	1.253	0.137	22.7
Back side	20	QPSK 1_0	132072/1720	1:1	0.167	0.087	-0.04	18.72	19.70	1.253	0.209	22.7
Left side	20	QPSK 1_0	132072/1720	1:1	0.209	0.103	-0.07	18.72	19.70	1.253	0.262	22.7
Top side	20	QPSK 1_0	132072/1720	1:1	0.052	0.025	0.13	18.72	19.70	1.253	0.065	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_50	132072/1720	1:1	0.133	0.071	0.17	18.65	19.70	1.274	0.169	22.7
Back side	20	QPSK 50_50	132072/1720	1:1	0.209	0.107	0.03	18.65	19.70	1.274	0.266	22.7
Left side	20	QPSK 50_50	132072/1720	1:1	0.276	0.138	-0.04	18.65	19.70	1.274	0.351	22.7
Top side	20	QPSK 50_50	132072/1720	1:1	0.049	0.027	-0.12	18.65	19.70	1.274	0.062	22.7
Left side with ENDC	20	QPSK 50_50	132072/1720	1:1	0.254	0.127	-0.13	18.41	19.70	1.346	0.342	22.7
Ant 5 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												



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Left cheek	20	QPSK 1_50	132322/1745	1:1	0.744	0.378	-0.01	19.34	20.50	1.306	0.972	22.1
Left tilted	20	QPSK 1_50	132322/1745	1:1	0.165	0.091	0.18	19.34	20.50	1.306	0.216	22.1
Right cheek	20	QPSK 1_50	132322/1745	1:1	0.498	0.256	-0.11	19.34	20.50	1.306	0.650	22.1
Right tilted	20	QPSK 1_50	132322/1745	1:1	0.102	0.060	-0.03	19.34	20.50	1.306	0.133	22.1
Left cheek	20	QPSK 1_50	132072/1720	1:1	0.761	0.390	-0.02	19.20	20.50	1.349	1.027	22.1
Left cheek	20	QPSK 1_50	132572/1770	1:1	0.562	0.286	0.14	19.12	20.50	1.374	0.772	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK 50_50	132072/1720	1:1	0.784	0.400	0.04	19.28	20.50	1.324	1.038	22.1
Left tilted	20	QPSK 50_50	132072/1720	1:1	0.190	0.105	-0.11	19.28	20.50	1.324	0.252	22.1
Right cheek	20	QPSK 50_50	132072/1720	1:1	0.506	0.263	-0.16	19.28	20.50	1.324	0.670	22.1
Right tilted	20	QPSK 50_50	132072/1720	1:1	0.115	0.069	-0.12	19.28	20.50	1.324	0.152	22.1
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.778	0.369	-0.09	19.14	20.50	1.368	1.064	22.1
Left cheek	20	QPSK 50_0	132572/1770	1:1	0.611	0.311	-0.01	19.01	20.50	1.409	0.861	22.1
Left cheek with ENDC	20	QPSK 50_0	132322/1745	1:1	0.755	0.360	0.09	19.16	20.50	1.361	1.028	22.1
Head Test Data (100%RB) DSI1												
Left cheek	20	QPSK 100_0	132072/1720	1:1	0.761	0.390	0.04	19.25	20.50	1.334	1.015	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK 1_99	132322/1745	1:1	0.239	0.109	0.13	16.89	18.00	1.291	0.309	22.1
Back side	20	QPSK 1_99	132322/1745	1:1	0.335	0.155	-0.17	16.89	18.00	1.291	0.433	22.1
Back side	20	QPSK 1_99	132072/1720	1:1	0.334	0.154	-0.16	16.87	18.00	1.297	0.433	22.1
Back side	20	QPSK 1_99	132572/1770	1:1	0.267	0.123	0.17	16.60	18.00	1.380	0.369	22.1
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	132072/1720	1:1	0.209	0.099	0.15	17.05	18.00	1.245	0.260	22.1
Back side	20	QPSK 50_25	132072/1720	1:1	0.309	0.142	-0.18	17.05	18.00	1.245	0.385	22.1
Back side	20	QPSK 50_25	132322/1745	1:1	0.360	0.181	-0.05	16.88	18.00	1.294	0.466	22.1
Back side	20	QPSK 50_0	132572/1770	1:1	0.316	0.147	0.02	16.78	18.00	1.324	0.418	22.1
Back side with ENDC	20	QPSK 50_25	132322/1745	1:1	0.332	0.169	-0.10	16.68	18.00	1.355	0.450	22.1
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK 100_0	132322/1745	1:1	0.322	0.149	0.02	16.95	18.00	1.274	0.410	22.1
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	132322/1745	1:1	0.219	0.110	0.10	16.89	18.00	1.291	0.283	22.7
Back side	20	QPSK 1_99	132322/1745	1:1	0.292	0.149	0.07	16.89	18.00	1.291	0.377	22.7
Right side	20	QPSK 1_99	132322/1745	1:1	0.419	0.206	-0.09	16.89	18.00	1.291	0.541	22.7
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	132072/1720	1:1	0.218	0.113	0.08	17.05	18.00	1.245	0.271	22.7
Back side	20	QPSK 50_25	132072/1720	1:1	0.316	0.157	0.13	17.05	18.00	1.245	0.393	22.7
Right side	20	QPSK 50_25	132072/1720	1:1	0.442	0.221	-0.19	17.05	18.00	1.245	0.550	22.7
Right side	20	QPSK 50_25	132322/1745	1:1	0.412	0.205	0.17	16.88	18.00	1.294	0.533	22.7
Right side	20	QPSK 50_0	132572/1770	1:1	0.447	0.226	-0.06	16.78	18.00	1.324	0.592	22.7
Right side with ENDC	20	QPSK 50_0	132572/1770	1:1	0.416	0.211	-0.16	16.63	18.00	1.371	0.570	22.7



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9.2.17 SAR Result of LTE Band 71

LTE Band 71 SAR Test Record												
Ant 0 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	20	QPSK 1_99	133322/683	1:1	0.134	0.095	0.00	24.16	25.00	1.213	0.163	22.1
Left tilted	20	QPSK 1_99	133322/683	1:1	0.068	0.051	0.11	24.16	25.00	1.213	0.083	22.1
Right cheek	20	QPSK 1_99	133322/683	1:1	0.120	0.089	-0.08	24.16	25.00	1.213	0.146	22.1
Right tilted	20	QPSK 1_99	133322/683	1:1	0.078	0.058	-0.11	24.16	25.00	1.213	0.095	22.1
Head Test Data (50%RB) DS11												
Left cheek	20	QPSK 50_25	133322/683	1:1	0.111	0.079	-0.08	23.14	24.00	1.219	0.135	22.1
Left tilted	20	QPSK 50_25	133322/683	1:1	0.056	0.042	-0.15	23.14	24.00	1.219	0.068	22.1
Right cheek	20	QPSK 50_25	133322/683	1:1	0.103	0.076	-0.02	23.14	24.00	1.219	0.126	22.1
Right tilted	20	QPSK 50_25	133322/683	1:1	0.061	0.046	-0.04	23.14	24.00	1.219	0.074	22.1
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	20	QPSK 1_99	133322/683	1:1	0.416	0.261	0.01	24.16	25.00	1.213	0.505	22.3
Back side	20	QPSK 1_99	133322/683	1:1	0.601	0.355	-0.06	24.16	25.00	1.213	0.729	21.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	133322/683	1:1	0.337	0.212	-0.01	23.14	24.00	1.219	0.411	22.3
Back side	20	QPSK 50_25	133322/683	1:1	0.420	0.261	0.13	23.14	24.00	1.219	0.512	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	133322/683	1:1	0.199	0.133	0.00	24.16	25.00	1.213	0.241	22.3
Back side	20	QPSK 1_99	133322/683	1:1	0.266	0.181	-0.19	24.16	25.00	1.213	0.323	22.3
Right side	20	QPSK 1_99	133322/683	1:1	0.278	0.184	0.09	24.16	25.00	1.213	0.337	22.3
Bottom side	20	QPSK 1_99	133322/683	1:1	0.094	0.057	-0.17	24.16	25.00	1.213	0.114	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	133322/683	1:1	0.197	0.133	0.07	23.14	24.00	1.219	0.240	22.3
Back side	20	QPSK 50_25	133322/683	1:1	0.222	0.152	0.04	23.14	24.00	1.219	0.271	22.3
Right side	20	QPSK 50_25	133322/683	1:1	0.287	0.190	0.06	23.14	24.00	1.219	0.350	22.3
Bottom side	20	QPSK 50_25	133322/683	1:1	0.090	0.055	-0.11	23.14	24.00	1.219	0.110	22.3
Ant 1 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	20	QPSK 1_99	133322/683	1:1	0.193	0.105	0.00	24.10	25.50	1.380	0.266	22.1
Left tilted	20	QPSK 1_99	133322/683	1:1	0.058	0.039	0.04	24.10	25.50	1.380	0.080	22.1
Right cheek	20	QPSK 1_99	133322/683	1:1	0.276	0.150	0.19	24.10	25.50	1.380	0.381	22.1
Right tilted	20	QPSK 1_99	133322/683	1:1	0.058	0.036	0.10	24.10	25.50	1.380	0.080	22.1
Head Test Data (50%RB) DS11												



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Left cheek	20	QPSK 50_25	133322/683	1:1	0.177	0.097	-0.03	23.16	24.50	1.361	0.241	22.1
Left tilted	20	QPSK 50_25	133322/683	1:1	0.052	0.035	-0.08	23.16	24.50	1.361	0.071	22.1
Right cheek	20	QPSK 50_25	133322/683	1:1	0.231	0.126	-0.18	23.16	24.50	1.361	0.314	22.1
Right tilted	20	QPSK 50_25	133322/683	1:1	0.051	0.032	0.11	23.16	24.50	1.361	0.069	22.1
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	20	QPSK 1_99	133322/683	1:1	0.199	0.109	-0.04	24.10	25.50	1.380	0.275	22.3
Back side	20	QPSK 1_99	133322/683	1:1	0.378	0.184	-0.13	24.10	25.50	1.380	0.522	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK 50_25	133322/683	1:1	0.196	0.101	0.11	23.16	24.50	1.361	0.267	22.3
Back side	20	QPSK 50_25	133322/683	1:1	0.322	0.164	-0.15	23.16	24.50	1.361	0.438	22.3
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK 1_99	133322/683	1:1	0.138	0.080	-0.19	24.10	25.50	1.380	0.190	22.3
Back side	20	QPSK 1_99	133322/683	1:1	0.201	0.118	0.13	24.10	25.50	1.380	0.277	22.3
Left side	20	QPSK 1_99	133322/683	1:1	0.394	0.243	0.01	24.10	25.50	1.380	0.544	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK 50_25	133322/683	1:1	0.122	0.071	0.01	23.16	24.50	1.361	0.166	22.3
Back side	20	QPSK 50_25	133322/683	1:1	0.188	0.107	-0.07	23.16	24.50	1.361	0.256	22.3
Left side	20	QPSK 50_25	133322/683	1:1	0.285	0.164	-0.08	23.16	24.50	1.361	0.388	22.3



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9.2.18 SAR Result of NR Band n2

SA N2 SAR Test Record												
Ant 2 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	20	QPSK1_104	372000/1860	100%	0.297	0.187	0.02	17.17	18.20	1.268	0.376	22.1
Left tilted	20	QPSK1_104	372000/1860	100%	0.292	0.179	-0.15	17.17	18.20	1.268	0.370	22.1
Right cheek	20	QPSK1_104	372000/1860	100%	0.541	0.304	-0.17	17.17	18.20	1.268	0.686	22.1
Right tilted	20	QPSK1_104	372000/1860	100%	0.423	0.223	-0.09	17.17	18.20	1.268	0.536	22.1
Head Test Data (50%RB) DS11												
Left cheek	20	QPSK50_28	372000/1860	100%	0.239	0.157	0.15	16.91	18.20	1.346	0.322	22.1
Left tilted	20	QPSK50_28	372000/1860	100%	0.271	0.164	-0.02	16.91	18.20	1.346	0.365	22.1
Right cheek	20	QPSK50_28	372000/1860	100%	0.581	0.317	0.00	16.91	18.20	1.346	0.782	22.1
Right tilted	20	QPSK50_28	372000/1860	100%	0.408	0.213	0.16	16.91	18.20	1.346	0.549	22.1
Body worn Test data (Separate 5mm 1RB) Sensor on DS13												
Front side	20	QPSK1_104	372000/1860	100%	0.463	0.249	0.03	18.19	19.20	1.262	0.584	22.6
Back side	20	QPSK1_104	372000/1860	100%	0.705	0.340	-0.11	18.19	19.20	1.262	0.890	22.6
Back side	20	QPSK1_1	376000/1880	100%	0.712	0.361	-0.10	18.09	19.20	1.291	0.919	22.6
Back side	20	QPSK1_53	380000/1900	100%	0.699	0.348	-0.09	18.07	19.20	1.297	0.907	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DS13												
Front side	20	QPSK50_28	376000/1880	100%	0.446	0.238	-0.11	17.91	19.20	1.346	0.600	22.6
Back side	20	QPSK50_28	376000/1880	100%	0.690	0.364	0.16	17.91	19.20	1.346	0.929	22.6
Back side	20	QPSK50_28	372000/1860	100%	0.660	0.370	-0.10	17.82	19.20	1.374	0.907	22.6
Back side	20	QPSK50_28	380000/1900	100%	0.674	0.335	0.12	17.90	19.20	1.349	0.909	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DS13												
Back side	20	QPSK100_0	372000/1860	100%	0.544	0.289	0.16	17.00	18.20	1.318	0.717	22.6
Body worn Test data (1RB) Sensor off DS14												
Front side with 10mm	20	QPSK1_104	372000/1860	100%	0.457	0.257	-0.02	22.17	23.20	1.268	0.579	22.6
Back side with 10mm	20	QPSK1_104	372000/1860	100%	0.663	0.375	-0.03	22.17	23.20	1.268	0.840	22.6
Back side with 10mm	20	QPSK1_1	376000/1880	100%	0.647	0.368	0.13	22.14	23.20	1.276	0.826	22.6
Back side with 10mm	20	QPSK1_1	380000/1900	100%	0.599	0.347	0.02	22.08	23.20	1.294	0.775	22.6
Body worn Test data (50%RB) Sensor off DS14												
Front side with 10mm	20	QPSK50_28	376000/1880	100%	0.445	0.248	0.00	21.90	23.20	1.349	0.600	22.6
Back side with 10mm	20	QPSK50_28	376000/1880	100%	0.663	0.371	-0.16	21.90	23.20	1.349	0.894	22.6
Back side with 10mm	20	QPSK50_28	372000/1860	100%	0.657	0.366	-0.16	21.79	23.20	1.384	0.909	22.6
Back side with 10mm	20	QPSK50_28	372000/1860	100%	0.677	0.375	-0.01	21.79	23.20	1.384	0.937	22.6
Back side with 10mm	20	QPSK50_28	380000/1900	100%	0.578	0.337	0.18	21.74	23.20	1.400	0.809	22.6
Body worn Test data (100%RB) Sensor off DS14												
Back side with 10mm	20	QPSK100_0	380000/1900	100%	0.460	0.268	0.08	21.06	22.20	1.300	0.598	22.6
Hotspot Test data (Separate 10mm 1RB) DS15												
Front side	20	QPSK1_104	372000/1860	100%	0.179	0.103	0.00	17.17	18.20	1.268	0.227	22.6
Back side	20	QPSK1_104	372000/1860	100%	0.263	0.151	-0.07	17.17	18.20	1.268	0.333	22.6



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Left side	20	QPSK1_104	372000/1860	100%	0.158	0.077	0.15	17.17	18.20	1.268	0.200	22.6
Top side	20	QPSK1_104	372000/1860	100%	0.322	0.178	-0.11	17.17	18.20	1.268	0.408	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	372000/1860	100%	0.177	0.103	0.09	16.91	18.20	1.346	0.238	22.6
Back side	20	QPSK50_28	372000/1860	100%	0.266	0.152	0.05	16.91	18.20	1.346	0.358	22.6
Left side	20	QPSK50_28	372000/1860	100%	0.165	0.084	0.02	16.91	18.20	1.346	0.222	22.6
Top side	20	QPSK50_28	372000/1860	100%	0.315	0.174	-0.13	16.91	18.20	1.346	0.424	22.6
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK1_104	380000/1900	100%	0.196	0.119	-0.05	24.69	25.70	1.262	0.247	22.6
Left tilted	20	QPSK1_104	380000/1900	100%	0.063	0.039	0.19	24.69	25.70	1.262	0.079	22.6
Right cheek	20	QPSK1_104	380000/1900	100%	0.119	0.076	-0.18	24.69	25.70	1.262	0.150	22.6
Right tilted	20	QPSK1_104	380000/1900	100%	0.082	0.049	0.03	24.69	25.70	1.262	0.103	22.6
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK50_28	372000/1860	100%	0.204	0.127	-0.19	24.43	25.70	1.340	0.273	22.6
Left tilted	20	QPSK50_28	372000/1860	100%	0.074	0.046	-0.13	24.43	25.70	1.340	0.099	22.6
Right cheek	20	QPSK50_28	372000/1860	100%	0.121	0.079	0.11	24.43	25.70	1.340	0.162	22.6
Right tilted	20	QPSK50_28	372000/1860	100%	0.088	0.053	-0.18	24.43	25.70	1.340	0.118	22.6
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK1_104	380000/1900	100%	0.420	0.210	0.14	18.65	19.70	1.274	0.535	22.6
Back side	20	QPSK1_104	380000/1900	100%	0.566	0.285	0.12	18.65	19.70	1.274	0.721	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	376000/1880	100%	0.465	0.232	-0.12	18.48	19.70	1.324	0.616	22.6
Back side	20	QPSK50_28	376000/1880	100%	0.617	0.312	0.07	18.48	19.70	1.324	0.817	22.6
Back side	20	QPSK50_28	372000/1860	100%	0.701	0.347	0.09	18.46	19.70	1.330	0.933	22.6
Back side	20	QPSK50_28	380000/1900	100%	0.621	0.313	0.09	18.33	19.70	1.371	0.851	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK100_0	380000/1900	100%	0.502	0.253	0.03	17.59	18.70	1.291	0.648	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_104	380000/1900	100%	0.345	0.192	-0.12	18.65	19.70	1.274	0.439	22.6
Back side	20	QPSK1_104	380000/1900	100%	0.512	0.267	0.16	18.65	19.70	1.274	0.652	22.6
Left side	20	QPSK1_104	380000/1900	100%	0.148	0.082	-0.15	18.65	19.70	1.274	0.188	22.6
Bottom side	20	QPSK1_104	380000/1900	100%	0.273	0.159	0.03	18.65	19.70	1.274	0.348	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	376000/1880	100%	0.427	0.231	-0.16	18.48	19.70	1.324	0.565	22.6
Back side	20	QPSK50_28	376000/1880	100%	0.502	0.277	-0.04	18.48	19.70	1.324	0.665	22.2
Left side	20	QPSK50_28	376000/1880	100%	0.178	0.099	-0.14	18.48	19.70	1.324	0.236	22.6
Bottom side	20	QPSK50_28	376000/1880	100%	0.297	0.173	0.17	18.48	19.70	1.324	0.393	22.6
Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)



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Head Test Data (1RB) DSI1												
Left cheek	20	QPSK1_1	376000/1880	100%	0.165	0.092	-0.13	17.63	19.00	1.371	0.226	22.1
Left tilted	20	QPSK1_1	376000/1880	100%	0.099	0.055	0.09	17.63	19.00	1.371	0.136	22.1
Right cheek	20	QPSK1_1	376000/1880	100%	0.609	0.300	-0.17	17.63	19.00	1.371	0.835	22.1
Right tilted	20	QPSK1_1	376000/1880	100%	0.225	0.115	-0.03	17.63	19.00	1.371	0.308	22.1
Right cheek	20	QPSK1_50	372000/1860	100%	0.606	0.275	-0.01	17.49	19.00	1.416	0.858	22.1
Right cheek	20	QPSK1_104	380000/1900	100%	0.530	0.267	-0.08	17.48	19.00	1.419	0.752	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK50_28	376000/1880	100%	0.137	0.079	-0.04	17.44	19.00	1.432	0.196	22.1
Left tilted	20	QPSK50_28	376000/1880	100%	0.074	0.042	-0.17	17.44	19.00	1.432	0.106	22.1
Right cheek	20	QPSK50_28	376000/1880	100%	0.504	0.254	-0.17	17.44	19.00	1.432	0.722	22.1
Right tilted	20	QPSK50_28	376000/1880	100%	0.172	0.089	-0.01	17.44	19.00	1.432	0.246	22.1
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK100_0	376000/1880	100%	0.447	0.206	-0.18	16.48	18.00	1.419	0.634	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK1_1	376000/1880	100%	0.278	0.135	-0.10	16.09	17.50	1.384	0.385	22.6
Back side	20	QPSK1_1	376000/1880	100%	0.520	0.233	-0.14	16.09	17.50	1.384	0.719	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	380000/1900	100%	0.227	0.109	0.12	16.01	17.50	1.409	0.320	22.6
Back side	20	QPSK50_28	380000/1900	100%	0.444	0.198	-0.15	16.01	17.50	1.409	0.626	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_1	376000/1880	100%	0.145	0.077	0.18	16.09	17.50	1.384	0.201	22.6
Back side	20	QPSK1_1	376000/1880	100%	0.234	0.234	0.13	16.09	17.50	1.384	0.324	22.6
Left side	20	QPSK1_1	376000/1880	100%	0.246	0.128	0.00	16.09	17.50	1.384	0.340	22.6
Top side	20	QPSK1_1	376000/1880	100%	0.057	0.031	0.10	16.09	17.50	1.384	0.079	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	380000/1900	100%	0.130	0.068	0.04	16.01	17.50	1.409	0.183	22.6
Back side	20	QPSK50_28	380000/1900	100%	0.193	0.099	-0.07	16.01	17.50	1.409	0.272	22.6
Left side	20	QPSK50_28	380000/1900	100%	0.234	0.234	-0.03	16.01	17.50	1.409	0.330	22.6
Top side	20	QPSK50_28	380000/1900	100%	0.044	0.024	0.19	16.01	17.50	1.409	0.062	22.6
Ant 5 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp. (°C)
Head Test Data (1RB) DSI1												
Left cheek	20	QPSK1_1	376000/1880	100%	0.730	0.376	-0.17	19.51	21.00	1.409	1.029	22.1
Left tilted	20	QPSK1_1	376000/1880	100%	0.193	0.110	-0.01	19.51	21.00	1.409	0.272	22.1
Right cheek	20	QPSK1_1	376000/1880	100%	0.518	0.261	0.13	19.51	21.00	1.409	0.730	22.1
Right tilted	20	QPSK1_1	376000/1880	100%	0.108	0.066	-0.19	19.51	21.00	1.409	0.152	22.1
Left cheek	20	QPSK1_53	372000/1860	100%	0.742	0.339	-0.03	19.44	21.00	1.432	1.063	22.1
Left cheek	20	QPSK1_53	380000/1900	100%	0.606	0.311	0.09	19.48	21.00	1.419	0.860	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK50_28	380000/1900	100%	0.535	0.288	0.07	19.35	21.00	1.462	0.782	22.1
Left tilted	20	QPSK50_28	380000/1900	100%	0.124	0.072	-0.13	19.35	21.00	1.462	0.181	22.1
Right cheek	20	QPSK50_28	380000/1900	100%	0.451	0.220	-0.09	19.35	21.00	1.462	0.659	22.1



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Right tilted	20	QPSK50_28	380000/1900	100%	0.080	0.052	0.10	19.35	21.00	1.462	0.117	22.1
Head Test Data (100%RB) DSI1												
Left cheek	20	QPSK100_0	380000/1900	100%	0.423	0.213	-0.15	18.39	20.00	1.449	0.613	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	20	QPSK1_1	376000/1880	100%	0.426	0.217	-0.11	18.52	20.00	1.406	0.599	22.6
Back side	20	QPSK1_1	376000/1880	100%	0.615	0.302	0.10	18.52	20.00	1.406	0.865	22.6
Back side	20	QPSK1_53	372000/1860	100%	0.621	0.312	0.03	18.39	20.00	1.449	0.900	22.6
Back side	20	QPSK1_53	380000/1900	100%	0.462	0.226	0.08	18.46	20.00	1.426	0.659	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	380000/1900	100%	0.301	0.151	0.12	18.35	20.00	1.462	0.440	22.6
Back side	20	QPSK50_28	380000/1900	100%	0.427	0.212	-0.07	18.35	20.00	1.462	0.624	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK100_0	376000/1880	100%	0.346	0.171	0.12	17.43	19.00	1.435	0.497	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_1	376000/1880	100%	0.205	0.107	0.17	18.52	20.00	1.406	0.288	22.6
Back side	20	QPSK1_1	376000/1880	100%	0.282	0.146	0.01	18.52	20.00	1.406	0.397	22.6
Right side	20	QPSK1_1	376000/1880	100%	0.397	0.197	-0.17	18.52	20.00	1.406	0.558	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	380000/1900	100%	0.151	0.076	-0.14	18.35	20.00	1.462	0.221	22.6
Back side	20	QPSK50_28	380000/1900	100%	0.208	0.106	-0.13	18.35	20.00	1.462	0.304	22.6
Right side	20	QPSK50_28	380000/1900	100%	0.311	0.154	-0.17	18.35	20.00	1.462	0.455	22.6



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9.2.19 SAR Result of NR Band n7

SA N7 SAR Test Record												
Ant 2 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	50	QPSK1_268	507000/2535	100%	0.316	0.184	-0.05	16.91	17.70	1.199	0.379	22.1
Left tilted	50	QPSK1_268	507000/2535	100%	0.267	0.141	0.11	16.91	17.70	1.199	0.320	22.1
Right cheek	50	QPSK1_268	507000/2535	100%	0.793	0.395	0.02	16.91	17.70	1.199	0.951	22.1
Right tilted	50	QPSK1_268	507000/2535	100%	0.604	0.315	0.15	16.91	17.70	1.199	0.724	22.1
Head Test Data (50%RB) DSI1												
Left cheek	50	QPSK135_67	507000/2535	100%	0.342	0.199	-0.08	16.81	17.70	1.227	0.420	22.1
Left tilted	50	QPSK135_67	507000/2535	100%	0.303	0.159	0.14	16.81	17.70	1.227	0.372	22.1
Right cheek	50	QPSK135_67	507000/2535	100%	0.878	0.443	0.08	16.81	17.70	1.227	1.078	22.1
Right tilted	50	QPSK135_67	507000/2535	100%	0.654	0.340	-0.07	16.81	17.70	1.227	0.803	22.1
Right cheek with code60	50	QPSK135_67	507000/2535	100%	0.850	0.433	-0.02	16.81	17.70	1.227	1.043	22.1
Right cheek with Repeat	50	QPSK135_67	507000/2535	100%	0.854	0.421	0.19	16.81	17.70	1.227	1.048	22.1
Head Test Data (100%RB) DSI1												
Right cheek	50	QPSK270_0	507000/2535	100%	0.693	0.348	-0.01	15.86	16.70	1.213	0.841	22.1
Right tilted	50	QPSK270_0	507000/2535	100%	0.631	0.322	0.01	15.86	16.70	1.213	0.766	22.1
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	50	QPSK1_135	507000/2535	100%	0.723	0.376	-0.12	18.82	19.70	1.225	0.885	22.6
Back side	50	QPSK1_135	507000/2535	100%	0.840	0.388	-0.07	18.82	19.70	1.225	1.029	22.6
Back side with code60	50	QPSK1_135	507000/2535	100%	0.810	0.376	-0.07	18.82	19.70	1.225	0.992	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	50	QPSK135_67	507000/2535	100%	0.712	0.369	0.11	18.82	19.70	1.225	0.872	22.6
Back side	50	QPSK135_67	507000/2535	100%	0.833	0.378	0.12	18.82	19.70	1.225	1.020	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Front side	50	QPSK270_0	507000/2535	100%	0.550	0.315	-0.09	17.81	18.70	1.227	0.675	22.6
Back side	50	QPSK270_0	507000/2535	100%	0.659	0.341	0.02	17.81	18.70	1.227	0.809	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	50	QPSK1_268	507000/2535	100%	0.785	0.415	-0.02	23.98	24.70	1.180	0.927	22.6
Back side with 10mm	50	QPSK1_268	507000/2535	100%	0.835	0.455	-0.17	23.98	24.70	1.180	0.986	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	50	QPSK135_67	507000/2535	100%	0.616	0.332	-0.10	23.94	24.70	1.191	0.734	22.6
Back side with 10mm	50	QPSK135_67	507000/2535	100%	0.638	0.337	-0.10	23.94	24.70	1.191	0.760	22.6
Body worn Test data (100%RB) Sensor off DSI4												
Front side with 10mm	20	QPSK270_0	507000/2535	100%	0.525	0.280	0.13	22.95	23.70	1.189	0.624	22.6
Back side with 10mm	20	QPSK270_0	507000/2535	100%	0.570	0.302	-0.19	22.95	23.70	1.189	0.677	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	50	QPSK1_268	507000/2535	100%	0.162	0.089	0.00	16.91	17.70	1.199	0.194	22.6
Back side	50	QPSK1_268	507000/2535	100%	0.191	0.102	0.03	16.91	17.70	1.199	0.229	22.6



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Left side	50	QPSK1_268	507000/2535	100%	0.074	0.037	-0.04	16.91	17.70	1.199	0.089	22.6
Top side	50	QPSK1_268	507000/2535	100%	0.180	0.090	-0.15	16.91	17.70	1.199	0.216	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	50	QPSK135_67	507000/2535	100%	0.180	0.096	-0.15	16.81	17.70	1.227	0.221	22.6
Back side	50	QPSK135_67	507000/2535	100%	0.201	0.102	0.04	16.81	17.70	1.227	0.247	22.6
Left side	50	QPSK135_67	507000/2535	100%	0.082	0.042	-0.14	16.81	17.70	1.227	0.101	22.6
Top side	50	QPSK135_67	507000/2535	100%	0.174	0.086	-0.17	16.81	17.70	1.227	0.214	22.6
Back side with code60	50	QPSK135_67	507000/2535	100%	0.194	0.098	0.04	16.81	17.70	1.227	0.238	22.6
Ant 3 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	50	QPSK1_135	507000/2535	100%	0.305	0.170	-0.07	24.93	25.70	1.194	0.364	22.1
Left tilted	50	QPSK1_135	507000/2535	100%	0.111	0.059	-0.05	24.93	25.70	1.194	0.133	22.1
Right cheek	50	QPSK1_135	507000/2535	100%	0.173	0.089	0.14	24.93	25.70	1.194	0.207	22.1
Right tilted	50	QPSK1_135	507000/2535	100%	0.108	0.057	-0.19	24.93	25.70	1.194	0.129	22.1
Left cheek with code60	50	QPSK1_135	507000/2535	100%	0.294	0.165	-0.12	24.93	25.70	1.194	0.351	22.1
Head Test Data (50%RB) DSI1												
Left cheek	50	QPSK135_67	507000/2535	100%	0.295	0.166	0.09	24.92	25.70	1.197	0.353	22.1
Left tilted	50	QPSK135_67	507000/2535	100%	0.103	0.055	-0.04	24.92	25.70	1.197	0.123	22.1
Right cheek	50	QPSK135_67	507000/2535	100%	0.159	0.091	-0.16	24.92	25.70	1.197	0.190	22.1
Right tilted	50	QPSK135_67	507000/2535	100%	0.105	0.057	-0.09	24.92	25.70	1.197	0.126	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	50	QPSK1_268	507000/2535	100%	0.490	0.227	-0.19	18.42	19.20	1.197	0.586	22.6
Back side	50	QPSK1_268	507000/2535	100%	0.582	0.258	-0.01	18.42	19.20	1.197	0.697	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	50	QPSK135_67	507000/2535	100%	0.532	0.247	0.05	18.35	19.20	1.216	0.647	22.6
Back side	50	QPSK135_67	507000/2535	100%	0.598	0.260	0.05	18.35	19.20	1.216	0.727	22.6
Back side with code60	50	QPSK135_67	507000/2535	100%	0.579	0.251	-0.02	18.35	19.20	1.216	0.704	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK270_0	507000/2535	100%	0.587	0.261	0.01	17.46	18.20	1.186	0.696	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	50	QPSK1_135	507000/2535	100%	0.221	0.132	0.12	18.42	19.20	1.197	0.264	22.6
Back side	50	QPSK1_135	507000/2535	100%	0.311	0.173	-0.05	18.42	19.20	1.197	0.372	22.6
Left side	50	QPSK1_135	507000/2535	100%	0.071	0.026	-0.11	18.42	19.20	1.197	0.085	22.6
Bottom side	50	QPSK1_135	507000/2535	100%	0.191	0.085	0.19	18.42	19.20	1.197	0.229	22.6
Back side with code60	50	QPSK1_135	507000/2535	100%	0.302	0.169	-0.06	18.42	19.20	1.197	0.361	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	50	QPSK135_67	507000/2535	100%	0.215	0.131	0.07	18.35	19.20	1.216	0.261	22.6
Back side	50	QPSK135_67	507000/2535	100%	0.304	0.164	-0.09	18.35	19.20	1.216	0.370	22.6
Left side	50	QPSK135_67	507000/2535	100%	0.069	0.029	-0.07	18.35	19.20	1.216	0.084	22.6
Bottom side	50	QPSK135_67	507000/2535	100%	0.188	0.075	0.02	18.35	19.20	1.216	0.229	22.6
Ant 4 Test Record												



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Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	50	QPSK1_135	507000/2535	100%	0.395	0.181	-0.17	18.37	19.70	1.358	0.537	22.1
Left tilted	50	QPSK1_135	507000/2535	100%	0.141	0.076	0.04	18.37	19.70	1.358	0.192	22.1
Right cheek	50	QPSK1_135	507000/2535	100%	0.645	0.272	0.01	18.37	19.70	1.358	0.876	22.1
Right tilted	50	QPSK1_135	507000/2535	100%	0.084	0.047	-0.04	18.37	19.70	1.358	0.114	22.1
Right cheek with code60	50	QPSK1_135	507000/2535	100%	0.625	0.262	-0.07	18.37	19.70	1.358	0.849	22.1
Head Test Data (50%RB) DSI1												
Left cheek	50	QPSK135_67	507000/2535	100%	0.392	0.181	-0.06	18.32	19.70	1.374	0.539	22.1
Left tilted	50	QPSK135_67	507000/2535	100%	0.142	0.072	0.17	18.32	19.70	1.374	0.195	22.1
Right cheek	50	QPSK135_67	507000/2535	100%	0.611	0.251	-0.12	18.32	19.70	1.374	0.840	22.1
Right tilted	50	QPSK135_67	507000/2535	100%	0.081	0.042	-0.12	18.32	19.70	1.374	0.111	22.1
Head Test Data (100%RB) DSI1												
Right cheek	50	QPSK270_0	507000/2535	100%	0.602	0.241	0.05	17.25	18.70	1.396	0.841	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	50	QPSK1_135	507000/2535	100%	0.460	0.221	0.16	18.85	20.20	1.365	0.628	22.3
Back side	50	QPSK1_135	507000/2535	100%	0.741	0.342	-0.08	18.85	20.20	1.365	1.011	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	50	QPSK135_67	507000/2535	100%	0.454	0.217	0.15	18.73	20.20	1.403	0.637	22.3
Back side	50	QPSK135_67	507000/2535	100%	0.735	0.326	-0.06	18.73	20.20	1.403	1.031	22.3
Back side with code60	50	QPSK135_67	507000/2535	100%	0.718	0.317	-0.03	18.73	20.20	1.403	1.007	22.3
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK270_0	507000/2535	100%	0.613	0.277	-0.01	17.36	19.20	1.528	0.936	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	50	QPSK1_135	507000/2535	100%	0.156	0.071	0.13	18.37	19.70	1.358	0.212	22.3
Back side	50	QPSK1_135	507000/2535	100%	0.221	0.105	-0.04	18.37	19.70	1.358	0.300	22.3
Left side	50	QPSK1_135	507000/2535	100%	0.256	0.121	0.10	18.37	19.70	1.358	0.348	22.3
Top side	50	QPSK1_135	507000/2535	100%	0.045	0.021	-0.11	18.37	19.70	1.358	0.061	22.3
Left side with code60	50	QPSK1_135	507000/2535	100%	0.247	0.118	0.03	18.37	19.70	1.358	0.336	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	50	QPSK135_67	507000/2535	100%	0.151	0.068	0.09	18.32	19.70	1.374	0.207	22.3
Back side	50	QPSK135_67	507000/2535	100%	0.215	0.101	-0.17	18.32	19.70	1.374	0.295	22.3
Left side	50	QPSK135_67	507000/2535	100%	0.241	0.115	-0.10	18.32	19.70	1.374	0.331	22.3
Top side	50	QPSK135_67	507000/2535	100%	0.047	0.018	-0.02	18.32	19.70	1.374	0.065	22.3
Ant 5 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	50	QPSK1_1	507000/2535	100%	0.364	0.166	0.06	19.28	20.50	1.324	0.482	22.1
Left tilted	50	QPSK1_1	507000/2535	100%	0.130	0.070	0.18	19.28	20.50	1.324	0.172	22.1
Right cheek	50	QPSK1_1	507000/2535	100%	0.754	0.347	0.12	19.28	20.50	1.324	0.999	22.1



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Right tilted	50	QPSK1_1	507000/2535	100%	0.077	0.043	-0.10	19.28	20.50	1.324	0.102	22.1
Head Test Data (50%RB) DSI1												
Left cheek	50	QPSK135_67	507000/2535	100%	0.345	0.158	-0.08	19.17	20.50	1.358	0.469	22.1
Left tilted	50	QPSK135_67	507000/2535	100%	0.123	0.067	-0.14	19.17	20.50	1.358	0.167	22.1
Right cheek	50	QPSK135_67	507000/2535	100%	0.759	0.311	0.02	19.17	20.50	1.358	1.031	22.1
Right tilted	50	QPSK135_67	507000/2535	100%	0.073	0.041	-0.06	19.17	20.50	1.358	0.099	22.1
Right cheek with code60	50	QPSK135_67	507000/2535	100%	0.735	0.299	0.00	19.17	20.50	1.358	0.998	22.1
Head Test Data (100%RB) DSI1												
Right cheek	50	QPSK270_0	507000/2535	100%	0.624	0.288	0.18	18.18	19.50	1.355	0.846	22.1
Body worn Test data (Separate 5mm 1RB) DSI4												
Front side	50	QPSK1_135	507000/2535	100%	0.500	0.215	-0.17	19.79	21.00	1.321	0.661	22.3
Back side	50	QPSK1_135	507000/2535	100%	0.633	0.300	-0.04	19.79	21.00	1.321	0.836	22.3
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	50	QPSK135_67	507000/2535	100%	0.504	0.217	0.09	19.69	21.00	1.352	0.681	22.3
Back side	50	QPSK135_67	507000/2535	100%	0.640	0.303	-0.14	19.69	21.00	1.352	0.865	22.3
Back side with code60	50	QPSK135_67	507000/2535	100%	0.625	0.293	-0.14	19.69	21.00	1.352	0.845	22.3
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK270_0	507000/2535	100%	0.550	0.239	-0.07	18.61	20.00	1.377	0.757	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	50	QPSK1_1	507000/2535	100%	0.196	0.096	-0.09	19.28	20.50	1.324	0.260	22.3
Back side	50	QPSK1_1	507000/2535	100%	0.274	0.135	-0.12	19.28	20.50	1.324	0.363	22.3
Right side	50	QPSK1_1	507000/2535	100%	0.494	0.233	0.13	19.28	20.50	1.324	0.654	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	50	QPSK135_67	507000/2535	100%	0.270	0.128	0.16	19.17	20.50	1.358	0.367	22.3
Back side	50	QPSK135_67	507000/2535	100%	0.375	0.177	0.14	19.17	20.50	1.358	0.509	22.3
Right side	50	QPSK135_67	507000/2535	100%	0.511	0.242	-0.08	19.17	20.50	1.358	0.694	22.2
Right side with code60	50	QPSK135_67	507000/2535	100%	0.498	0.234	0.10	19.17	20.50	1.358	0.676	22.2

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek with code60	507000/2535	0.878	0.854	1.028	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.



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9.2.20 SAR Result of NR Band n12

SA N12 SAR Test Record												
Ant 0 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	15	QPSK1_77	141500/707.5	100%	0.159	0.113	-0.04	24.43	25.50	1.279	0.203	22.1
Left tilted	15	QPSK1_77	141500/707.5	100%	0.087	0.066	-0.04	24.43	25.50	1.279	0.111	22.1
Right cheek	15	QPSK1_77	141500/707.5	100%	0.157	0.116	-0.13	24.43	25.50	1.279	0.201	22.1
Right tilted	15	QPSK1_77	141500/707.5	100%	0.107	0.079	0.09	24.43	25.50	1.279	0.137	22.1
Head Test Data (50%RB) DSI1												
Left cheek	15	QPSK36_22	141500/707.5	100%	0.138	0.097	0.13	24.26	25.50	1.330	0.184	22.1
Left tilted	15	QPSK36_22	141500/707.5	100%	0.074	0.056	0.05	24.26	25.50	1.330	0.098	22.1
Right cheek	15	QPSK36_22	141500/707.5	100%	0.139	0.101	-0.18	24.26	25.50	1.330	0.185	22.1
Right tilted	15	QPSK36_22	141500/707.5	100%	0.088	0.066	0.19	24.26	25.50	1.330	0.117	22.1
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	15	QPSK1_77	141500/707.5	100%	0.559	0.342	-0.06	24.43	25.50	1.279	0.715	22.6
Back side	15	QPSK1_77	141500/707.5	100%	0.716	0.461	-0.04	24.43	25.50	1.279	0.916	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	15	QPSK36_22	141500/707.5	100%	0.497	0.304	-0.07	24.26	25.50	1.330	0.661	22.6
Back side	15	QPSK36_22	141500/707.5	100%	0.650	0.402	-0.09	24.26	25.50	1.330	0.865	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK75_0	141500/707.5	100%	0.513	0.319	0.03	23.74	24.50	1.191	0.611	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	15	QPSK1_77	141500/707.5	100%	0.275	0.170	-0.05	24.93	25.50	1.140	0.314	22.6
Back side	15	QPSK1_77	141500/707.5	100%	0.352	0.216	0.09	24.93	25.50	1.140	0.401	22.6
Right side	15	QPSK1_77	141500/707.5	100%	0.278	0.185	-0.01	24.93	25.50	1.140	0.317	22.6
Bottom side	15	QPSK1_77	141500/707.5	100%	0.160	0.095	0.02	24.93	25.50	1.140	0.182	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	15	QPSK36_22	141500/707.5	100%	0.233	0.145	0.12	24.76	25.50	1.186	0.276	22.6
Back side	15	QPSK36_22	141500/707.5	100%	0.302	0.191	0.03	24.76	25.50	1.186	0.358	22.6
Right side	15	QPSK36_22	141500/707.5	100%	0.313	0.209	-0.04	24.76	25.50	1.186	0.371	22.6
Bottom side	15	QPSK36_22	141500/707.5	100%	0.186	0.113	-0.12	24.76	25.50	1.186	0.221	22.6
Ant 1 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	15	QPSK1_1	141500/707.5	100%	0.471	0.254	0.11	24.61	25.70	1.285	0.605	22.1
Left tilted	15	QPSK1_1	141500/707.5	100%	0.112	0.076	-0.03	24.61	25.70	1.285	0.144	22.1
Right cheek	15	QPSK1_1	141500/707.5	100%	0.559	0.306	0.03	24.61	25.70	1.285	0.718	22.1
Right tilted	15	QPSK1_1	141500/707.5	100%	0.121	0.076	0.05	24.61	25.70	1.285	0.156	22.1



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Head Test Data (50%RB) DSI1												
Left cheek	15	QPSK36_22	141500/707.5	100%	0.585	0.317	-0.16	24.46	25.70	1.330	0.778	22.1
Left tilted	15	QPSK36_22	141500/707.5	100%	0.137	0.093	-0.02	24.46	25.70	1.330	0.182	22.1
Right cheek	15	QPSK36_22	141500/707.5	100%	0.619	0.329	0.10	24.46	25.70	1.330	0.824	22.1
Right tilted	15	QPSK36_22	141500/707.5	100%	0.149	0.096	-0.13	24.46	25.70	1.330	0.198	22.1
Head Test Data (100%RB) DSI1												
Right cheek	15	QPSK75_0	141500/707.5	100%	0.492	0.271	0.03	23.45	24.70	1.334	0.656	22.1
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	15	QPSK1_77	141500/707.5	100%	0.410	0.219	0.07	22.18	23.20	1.265	0.519	22.6
Back side	15	QPSK1_77	141500/707.5	100%	0.619	0.320	0.12	22.18	23.20	1.265	0.783	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	15	QPSK36_22	141500/707.5	100%	0.361	0.193	-0.17	21.99	23.20	1.321	0.477	22.6
Back side	15	QPSK36_22	141500/707.5	100%	0.543	0.281	0.11	21.99	23.20	1.321	0.717	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	15	QPSK1_1	141500/707.5	100%	0.233	0.134	0.16	22.18	23.20	1.265	0.295	22.6
Back side	15	QPSK1_1	141500/707.5	100%	0.352	0.198	-0.13	22.18	23.20	1.265	0.445	22.6
Left side	15	QPSK1_1	141500/707.5	100%	0.526	0.298	0.00	22.18	23.20	1.265	0.665	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	15	QPSK36_22	141500/707.5	100%	0.257	0.154	0.07	21.99	23.20	1.321	0.340	22.6
Back side	15	QPSK36_22	141500/707.5	100%	0.396	0.223	-0.15	21.99	23.20	1.321	0.523	22.6
Left side	15	QPSK36_22	141500/707.5	100%	0.565	0.338	-0.01	21.99	23.20	1.321	0.747	22.2



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