

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

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

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9.2.21 SAR Result of NR Band n26

SA N26 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	20	QPSK1_53	166300/831.5	100%	0.229	0.158	0.05	24.85	25.70	1.216	0.279	22.1
Left tilted	20	QPSK1_53	166300/831.5	100%	0.128	0.096	0.18	24.85	25.70	1.216	0.156	22.1
Right cheek	20	QPSK1_53	166300/831.5	100%	0.267	0.191	0.15	24.85	25.70	1.216	0.325	22.1
Right tilted	20	QPSK1_53	166300/831.5	100%	0.176	0.131	-0.12	24.85	25.70	1.216	0.214	22.1
Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK50_28	166300/831.5	100%	0.221	0.153	-0.18	24.71	25.70	1.256	0.278	22.1
Left tilted	20	QPSK50_28	166300/831.5	100%	0.118	0.090	0.17	24.71	25.70	1.256	0.148	22.1
Right cheek	20	QPSK50_28	166300/831.5	100%	0.229	0.166	0.08	24.71	25.70	1.256	0.288	22.1
Right tilted	20	QPSK50_28	166300/831.5	100%	0.163	0.122	-0.15	24.71	25.70	1.256	0.205	22.1
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	20	QPSK1_53	166300/831.5	100%	0.601	0.377	-0.15	24.85	25.70	1.216	0.731	22.6
Back side	20	QPSK1_53	166300/831.5	100%	0.870	0.561	-0.04	24.85	25.70	1.216	1.058	22.6
Back side with Repeat	20	QPSK1_53	166300/831.5	100%	0.845	0.532	-0.04	24.85	25.70	1.216	1.028	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	166300/831.5	100%	0.560	0.351	-0.14	24.71	25.70	1.256	0.703	22.6
Back side	20	QPSK50_28	166300/831.5	100%	0.825	0.517	-0.01	24.71	25.70	1.256	1.036	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK100_0	166300/831.5	100%	0.684	0.425	0.19	24.23	24.70	1.114	0.762	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_53	166300/831.5	100%	0.299	0.189	-0.03	25.35	25.70	1.084	0.324	22.6
Back side	20	QPSK1_53	166300/831.5	100%	0.409	0.254	0.02	25.35	25.70	1.084	0.443	22.6
Right side	20	QPSK1_53	166300/831.5	100%	0.379	0.247	0.19	25.35	25.70	1.084	0.411	22.6
Bottom side	20	QPSK1_53	166300/831.5	100%	0.213	0.119	0.03	25.35	25.70	1.084	0.231	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	166300/831.5	100%	0.291	0.181	0.14	25.21	25.70	1.119	0.326	22.6
Back side	20	QPSK50_28	166300/831.5	100%	0.378	0.238	-0.11	25.21	25.70	1.119	0.423	22.6
Right side	20	QPSK50_28	166300/831.5	100%	0.363	0.236	-0.14	25.21	25.70	1.119	0.406	22.6
Bottom side	20	QPSK50_28	166300/831.5	100%	0.221	0.103	0.08	25.21	25.70	1.119	0.247	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	20	QPSK1_53	166300/831.5	100%	0.578	0.325	0.08	25.13	25.70	1.140	0.659	22.1
Left tilted	20	QPSK1_53	166300/831.5	100%	0.239	0.166	0.02	25.13	25.70	1.140	0.273	22.1
Right cheek	20	QPSK1_53	166300/831.5	100%	0.761	0.423	-0.02	25.13	25.70	1.140	0.868	22.1
Right tilted	20	QPSK1_53	166300/831.5	100%	0.260	0.166	-0.11	25.13	25.70	1.140	0.296	22.1



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Head Test Data (50%RB) DSI1												
Left cheek	20	QPSK50_28	166300/831.5	100%	0.556	0.316	-0.05	24.94	25.70	1.191	0.662	22.1
Left tilted	20	QPSK50_28	166300/831.5	100%	0.222	0.155	0.11	24.94	25.70	1.191	0.264	22.1
Right cheek	20	QPSK50_28	166300/831.5	100%	0.756	0.413	-0.01	24.94	25.70	1.191	0.901	22
Right tilted	20	QPSK50_28	166300/831.5	100%	0.244	0.157	-0.10	24.94	25.70	1.191	0.291	22.1
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK100_0	166300/831.5	100%	0.631	0.348	-0.09	23.97	24.70	1.183	0.746	22.1
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	20	QPSK1_1	166300/831.5	100%	0.346	0.190	0.15	21.88	22.20	1.076	0.372	22.6
Back side	20	QPSK1_1	166300/831.5	100%	0.509	0.265	-0.13	21.88	22.20	1.076	0.548	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	166300/831.5	100%	0.341	0.188	0.19	21.27	22.20	1.239	0.422	22.6
Back side	20	QPSK50_28	166300/831.5	100%	0.502	0.262	0.09	21.27	22.20	1.239	0.622	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_1	166300/831.5	100%	0.344	0.199	0.02	21.88	22.20	1.076	0.370	22.6
Back side	20	QPSK1_1	166300/831.5	100%	0.470	0.266	0.04	21.88	22.20	1.076	0.506	22.6
Left side	20	QPSK1_1	166300/831.5	100%	0.788	0.438	-0.17	21.88	22.20	1.076	0.848	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	166300/831.5	100%	0.322	0.184	-0.14	21.27	22.20	1.239	0.399	22.6
Back side	20	QPSK50_28	166300/831.5	100%	0.475	0.266	0.14	21.27	22.20	1.239	0.588	22.6
Left side	20	QPSK50_28	166300/831.5	100%	0.793	0.448	-0.02	21.27	22.20	1.239	0.982	22.2
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Left side	20	QPSK100_0	166300/831.5	100%	0.601	0.408	0.05	20.31	21.20	1.227	0.738	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side	166300/831.5	0.870	0.845	1.030	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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9.2.22 SAR Result of NR Band n38

SA N38 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	40	QPSK1_53	519000/2595	100%	0.326	0.191	0.06	16.62	17.20	1.143	0.373	22
Left tilted	40	QPSK1_53	519000/2595	100%	0.328	0.169	-0.13	16.62	17.20	1.143	0.375	22
Right cheek	40	QPSK1_53	519000/2595	100%	0.782	0.388	0.18	16.62	17.20	1.143	0.894	22
Right tilted	40	QPSK1_53	519000/2595	100%	0.614	0.316	0.08	16.62	17.20	1.143	0.702	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	519000/2595	100%	0.286	0.167	-0.09	16.47	17.20	1.183	0.338	22
Left tilted	40	QPSK50_28	519000/2595	100%	0.313	0.161	0.13	16.47	17.20	1.183	0.370	22
Right cheek	40	QPSK50_28	519000/2595	100%	0.757	0.371	0.02	16.47	17.20	1.183	0.896	22
Right tilted	40	QPSK50_28	519000/2595	100%	0.587	0.303	0.13	16.47	17.20	1.183	0.694	22
Head Test Data (100%RB) DSI1												
Right cheek	40	QPSK100_0	519000/2595	100%	0.598	0.295	0.00	15.41	16.20	1.199	0.717	22
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	40	QPSK1_53	519000/2595	100%	0.864	0.427	-0.18	19.16	19.70	1.132	0.978	22.6
Back side	40	QPSK1_53	519000/2595	100%	0.947	0.424	0.17	19.16	19.70	1.132	1.072	22.6
Back side with Repeat	40	QPSK1_53	519000/2595	100%	0.922	0.405	-0.03	19.16	19.70	1.132	1.044	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	40	QPSK50_28	519000/2595	100%	0.780	0.385	-0.16	18.87	19.70	1.211	0.944	22.6
Back side	40	QPSK50_28	519000/2595	100%	0.862	0.387	0.03	18.87	19.70	1.211	1.044	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Front side	40	QPSK100_0	519000/2595	100%	0.632	0.350	-0.02	17.87	18.70	1.211	0.765	22.6
Back side	40	QPSK100_0	519000/2595	100%	0.662	0.368	-0.09	17.87	18.70	1.211	0.801	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	40	QPSK1_53	519000/2595	100%	0.688	0.361	-0.19	23.67	24.20	1.130	0.777	22.6
Back side with 10mm	40	QPSK1_53	519000/2595	100%	0.748	0.410	-0.04	23.67	24.20	1.130	0.845	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	40	QPSK50_28	519000/2595	100%	0.660	0.343	0.06	23.54	24.20	1.164	0.768	22.6
Back side with 10mm	40	QPSK50_28	519000/2595	100%	0.699	0.367	0.02	23.54	24.20	1.164	0.814	22.6
Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	40	QPSK100_0	519000/2595	100%	0.538	0.284	0.14	22.40	23.20	1.202	0.647	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_53	519000/2595	100%	0.147	0.081	-0.12	16.62	17.20	1.143	0.168	22.3
Back side	40	QPSK1_53	519000/2595	100%	0.170	0.091	-0.06	16.62	17.20	1.143	0.194	22.3
Left side	40	QPSK1_53	519000/2595	100%	0.061	0.032	0.12	16.62	17.20	1.143	0.070	22.3
Top side	40	QPSK1_53	519000/2595	100%	0.192	0.090	0.14	16.62	17.20	1.143	0.219	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	519000/2595	100%	0.138	0.076	0.19	16.47	17.20	1.183	0.163	22.3
Back side	40	QPSK50_28	519000/2595	100%	0.161	0.086	-0.11	16.47	17.20	1.183	0.190	22.3



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Left side	40	QPSK50_28	519000/2595	100%	0.059	0.030	-0.16	16.47	17.20	1.183	0.070	22.3
Top side	40	QPSK50_28	519000/2595	100%	0.189	0.089	-0.11	16.47	17.20	1.183	0.224	22.3
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	40	QPSK1_53	519000/2595	100%	0.279	0.155	-0.11	24.87	25.70	1.211	0.338	22
Left tilted	40	QPSK1_53	519000/2595	100%	0.103	0.054	-0.01	24.87	25.70	1.211	0.125	22
Right cheek	40	QPSK1_53	519000/2595	100%	0.167	0.095	0.05	24.87	25.70	1.211	0.202	22
Right tilted	40	QPSK1_53	519000/2595	100%	0.130	0.068	0.03	24.87	25.70	1.211	0.157	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	519000/2595	100%	0.293	0.163	-0.03	24.78	25.70	1.236	0.362	22
Left tilted	40	QPSK50_28	519000/2595	100%	0.097	0.050	0.19	24.78	25.70	1.236	0.120	22
Right cheek	40	QPSK50_28	519000/2595	100%	0.160	0.090	-0.17	24.78	25.70	1.236	0.198	22
Right tilted	40	QPSK50_28	519000/2595	100%	0.113	0.061	0.10	24.78	25.70	1.236	0.140	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_53	519000/2595	100%	0.493	0.222	0.04	18.39	19.20	1.205	0.594	22.6
Back side	40	QPSK1_53	519000/2595	100%	0.823	0.352	0.19	18.39	19.20	1.205	0.992	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	40	QPSK50_28	519000/2595	100%	0.462	0.208	0.10	18.24	19.20	1.247	0.576	22.6
Back side	40	QPSK50_28	519000/2595	100%	0.776	0.331	0.17	18.24	19.20	1.247	0.968	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK100_0	519000/2595	100%	0.613	0.262	-0.04	17.26	18.20	1.242	0.761	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_53	519000/2595	100%	0.198	0.099	0.01	18.39	19.20	1.205	0.239	22.3
Back side	40	QPSK1_53	519000/2595	100%	0.346	0.167	-0.01	18.39	19.20	1.205	0.417	22.2
Left side	40	QPSK1_53	519000/2595	100%	0.076	0.038	0.02	18.39	19.20	1.205	0.092	22.3
Bottom side	40	QPSK1_53	519000/2595	100%	0.205	0.094	-0.07	18.39	19.20	1.205	0.247	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	519000/2595	100%	0.184	0.091	-0.12	18.24	19.20	1.247	0.230	22.3
Back side	40	QPSK50_28	519000/2595	100%	0.308	0.149	-0.09	18.24	19.20	1.247	0.384	22.3
Left side	40	QPSK50_28	519000/2595	100%	0.073	0.037	-0.07	18.24	19.20	1.247	0.091	22.3
Bottom side	40	QPSK50_28	519000/2595	100%	0.211	0.097	-0.08	18.24	19.20	1.247	0.263	22.3
Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	40	QPSK1_53	519000/2595	100%	0.159	0.085	0.18	17.39	18.70	1.352	0.215	22
Left tilted	40	QPSK1_53	519000/2595	100%	0.090	0.050	-0.04	17.39	18.70	1.352	0.122	22
Right cheek	40	QPSK1_53	519000/2595	100%	0.672	0.271	-0.02	17.39	18.70	1.352	0.909	22
Right tilted	40	QPSK1_53	519000/2595	100%	0.243	0.117	0.14	17.39	18.70	1.352	0.329	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	519000/2595	100%	0.154	0.082	-0.09	17.21	18.70	1.409	0.217	22



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Left tilted	40	QPSK50_28	519000/2595	100%	0.087	0.047	-0.18	17.21	18.70	1.409	0.123	22
Right cheek	40	QPSK50_28	519000/2595	100%	0.612	0.268	0.00	17.21	18.70	1.409	0.862	22
Right tilted	40	QPSK50_28	519000/2595	100%	0.226	0.109	0.03	17.21	18.70	1.409	0.318	22
Head Test Data (100%RB) DSI1												
Right cheek	40	QPSK100_0	519000/2595	100%	0.486	0.213	0.10	16.19	17.70	1.416	0.688	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_53	519000/2595	100%	0.533	0.229	-0.05	18.17	19.20	1.268	0.676	22.6
Back side	40	QPSK1_53	519000/2595	100%	0.862	0.374	-0.04	18.17	19.20	1.268	1.093	22.6
Back side with Repeat	40	QPSK1_53	519000/2595	100%	0.845	0.358	0.02	18.17	19.20	1.268	1.071	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	40	QPSK50_28	519000/2595	100%	0.497	0.214	-0.19	17.99	19.20	1.321	0.657	22.6
Back side	40	QPSK50_28	519000/2595	100%	0.782	0.329	0.12	17.99	19.20	1.321	1.033	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK100_0	519000/2595	100%	0.561	0.255	0.03	16.96	18.20	1.330	0.746	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_53	519000/2595	100%	0.132	0.063	-0.11	17.39	18.70	1.352	0.178	22.3
Back side	40	QPSK1_53	519000/2595	100%	0.216	0.118	-0.03	17.39	18.70	1.352	0.292	22.3
Left side	40	QPSK1_53	519000/2595	100%	0.201	0.108	-0.12	17.39	18.70	1.352	0.272	22.3
Top side	40	QPSK1_53	519000/2595	100%	0.041	0.025	0.16	17.39	18.70	1.352	0.055	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	519000/2595	100%	0.131	0.061	0.19	17.21	18.70	1.409	0.185	22.3
Back side	40	QPSK50_28	519000/2595	100%	0.205	0.115	-0.08	17.21	18.70	1.409	0.289	22.3
Left side	40	QPSK50_28	519000/2595	100%	0.199	0.103	-0.17	17.21	18.70	1.409	0.280	22.3
Top side	40	QPSK50_28	519000/2595	100%	0.035	0.021	-0.03	17.21	18.70	1.409	0.049	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	40	QPSK1_53	519000/2595	100%	0.311	0.142	-0.16	16.27	18.00	1.489	0.463	22
Left tilted	40	QPSK1_53	519000/2595	100%	0.104	0.055	-0.07	16.27	18.00	1.489	0.155	22
Right cheek	40	QPSK1_53	519000/2595	100%	0.674	0.271	0.02	16.27	18.00	1.489	1.004	22
Right tilted	40	QPSK1_53	519000/2595	100%	0.059	0.034	0.15	16.27	18.00	1.489	0.088	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	519000/2595	100%	0.326	0.148	-0.07	16.18	18.00	1.521	0.496	22
Left tilted	40	QPSK50_28	519000/2595	100%	0.098	0.051	-0.19	16.18	18.00	1.521	0.149	22
Right cheek	40	QPSK50_28	519000/2595	100%	0.594	0.257	-0.10	16.18	18.00	1.521	0.903	22
Right tilted	40	QPSK50_28	519000/2595	100%	0.054	0.031	0.11	16.18	18.00	1.521	0.082	22
Head Test Data (100%RB) DSI1												
Right cheek	20	QPSK100_0	519000/2595	100%	0.474	0.224	-0.17	15.15	17.00	1.531	0.726	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_53	519000/2595	100%	0.418	0.197	0.06	17.34	19.00	1.466	0.613	22.6
Back side	40	QPSK1_53	519000/2595	100%	0.650	0.277	-0.01	17.34	19.00	1.466	0.953	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	40	QPSK50_28	519000/2595	100%	0.394	0.186	-0.06	17.16	19.00	1.528	0.602	22.6



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Back side	40	QPSK50_28	519000/2595	100%	0.606	0.253	-0.19	17.16	19.00	1.528	0.926	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK100_0	519000/2595	100%	0.431	0.193	-0.11	16.16	18.00	1.528	0.658	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_53	519000/2595	100%	0.101	0.045	0.02	16.27	18.00	1.489	0.150	22.3
Back side	40	QPSK1_53	519000/2595	100%	0.132	0.069	-0.11	16.27	18.00	1.489	0.197	22.3
Right side	40	QPSK1_53	519000/2595	100%	0.172	0.089	0.18	16.27	18.00	1.489	0.256	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	519000/2595	100%	0.103	0.048	-0.11	16.18	18.00	1.521	0.157	22.3
Back side	40	QPSK50_28	519000/2595	100%	0.139	0.072	0.06	16.18	18.00	1.521	0.211	22.3
Right side	40	QPSK50_28	519000/2595	100%	0.169	0.081	0.06	16.18	18.00	1.521	0.257	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side	519000/2595	0.947	0.922	1.027	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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9.2.23 SAR Result of NR Band n41

SA N41 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	100	QPSK1_137	518598/2592.99	50%	0.288	0.164	0.00	19.45	20.50	1.274	0.367	22
Left tilted	100	QPSK1_137	518598/2592.99	50%	0.282	0.146	-0.16	19.45	20.50	1.274	0.359	22
Right cheek	100	QPSK1_137	518598/2592.99	50%	0.698	0.339	-0.12	19.45	20.50	1.274	0.889	22
Right tilted	100	QPSK1_137	518598/2592.99	50%	0.549	0.280	0.00	19.45	20.50	1.274	0.699	22
Head Test Data (50%RB) DS11												
Left cheek	100	QPSK135_69	518598/2592.99	50%	0.300	0.176	-0.07	19.58	20.50	1.236	0.371	22
Left tilted	100	QPSK135_69	518598/2592.99	50%	0.328	0.168	0.15	19.58	20.50	1.236	0.405	22
Right cheek	100	QPSK135_69	518598/2592.99	50%	0.746	0.367	-0.07	19.58	20.50	1.236	0.922	22
Right tilted	100	QPSK135_69	518598/2592.99	50%	0.612	0.317	-0.15	19.58	20.50	1.236	0.756	22
Head Test Data (50%RB) DS11												
Right cheek	100	QPSK270_0	518598/2592.99	50%	0.598	0.296	-0.04	18.39	19.50	1.291	0.772	22
Body worn Test data (Separate 5mm 1RB) Sensor on DS13												
Front side	100	QPSK1_137	518598/2592.99	50%	0.731	0.362	-0.03	22.30	23.50	1.318	0.964	22.6
Back side	100	QPSK1_137	518598/2592.99	50%	0.702	0.337	0.13	22.30	23.50	1.318	0.925	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DS13												
Front side	100	QPSK135_69	518598/2592.99	50%	0.746	0.368	-0.11	22.54	23.50	1.247	0.931	22.6
Back side	100	QPSK135_69	518598/2592.99	50%	0.727	0.348	0.18	22.54	23.50	1.247	0.907	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DS13												
Front side	100	QPSK270_0	518598/2592.99	50%	0.578	0.289	0.06	21.44	22.50	1.276	0.738	22.6
Back side	100	QPSK270_0	518598/2592.99	50%	0.551	0.262	-0.15	21.44	22.50	1.276	0.703	22.6
Body worn Test data (1RB) Sensor off DS14												
Front side with 10mm	100	QPSK1_137	518598/2592.99	50%	0.757	0.399	-0.02	25.57	26.50	1.239	0.938	22.6
Back side with 10mm	100	QPSK1_137	518598/2592.99	50%	0.751	0.412	-0.18	25.57	26.50	1.239	0.930	22.6
Body worn Test data (50%RB) Sensor off DS14												
Front side with 10mm	100	QPSK135_69	518598/2592.99	50%	0.789	0.416	0.00	25.77	26.50	1.183	0.933	22.6
Back side with 10mm	100	QPSK135_69	518598/2592.99	50%	0.780	0.426	-0.11	25.77	26.50	1.183	0.923	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DS14												
Front side with 10mm	20	QPSK270_0	518598/2592.99	50%	0.765	0.332	0.07	24.70	25.50	1.202	0.920	22.6
Back side with 10mm	20	QPSK270_0	518598/2592.99	50%	0.773	0.335	0.14	24.70	25.50	1.202	0.929	22.6
Hotspot Test data (Separate 10mm 1RB) DS15												
Front side	100	QPSK1_271	518598/2592.99	50%	0.148	0.080	0.01	19.45	20.50	1.274	0.188	22.3
Back side	100	QPSK1_271	518598/2592.99	50%	0.163	0.088	-0.07	19.45	20.50	1.274	0.208	22.3
Left side	100	QPSK1_271	518598/2592.99	50%	0.062	0.031	0.16	19.45	20.50	1.274	0.079	22.3
Top side	100	QPSK1_271	518598/2592.99	50%	0.161	0.082	-0.14	19.45	20.50	1.274	0.205	22.3
Hotspot Test data (Separate 10mm 50%RB) DS15												
Front side	100	QPSK135_69	518598/2592.99	50%	0.136	0.074	-0.11	19.58	20.50	1.236	0.168	22.3
Back side	100	QPSK135_69	518598/2592.99	50%	0.161	0.086	0.08	19.58	20.50	1.236	0.199	22.3



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Left side	100	QPSK135_69	518598/2592.99	50%	0.060	0.028	0.18	19.58	20.50	1.236	0.074	22.3
Top side	100	QPSK135_69	518598/2592.99	50%	0.156	0.086	0.16	19.58	20.50	1.236	0.193	22.3
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_271	518598/2592.99	50%	0.155	0.087	-0.14	26.68	28.00	1.355	0.210	22
Left tilted	100	QPSK1_271	518598/2592.99	50%	0.061	0.031	0.01	26.68	28.00	1.355	0.083	22
Right cheek	100	QPSK1_271	518598/2592.99	50%	0.093	0.053	0.03	26.68	28.00	1.355	0.126	22
Right tilted	100	QPSK1_271	518598/2592.99	50%	0.068	0.036	-0.13	26.68	28.00	1.355	0.092	22
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	518598/2592.99	50%	0.205	0.114	0.17	23.17	24.50	1.358	0.278	22
Left tilted	100	QPSK135_69	518598/2592.99	50%	0.073	0.380	-0.11	23.17	24.50	1.358	0.099	22
Right cheek	100	QPSK135_69	518598/2592.99	50%	0.118	0.067	-0.03	23.17	24.50	1.358	0.160	22
Right tilted	100	QPSK135_69	518598/2592.99	50%	0.079	0.043	-0.09	23.17	24.50	1.358	0.107	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_271	518598/2592.99	50%	0.382	0.176	0.12	21.24	22.50	1.337	0.511	22.6
Back side	100	QPSK1_271	518598/2592.99	50%	0.681	0.298	0.05	21.24	22.50	1.337	0.910	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	518598/2592.99	50%	0.415	0.194	-0.14	21.18	22.50	1.355	0.562	22.6
Back side	100	QPSK135_69	518598/2592.99	50%	0.732	0.318	-0.04	21.18	22.50	1.355	0.992	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK270_0	518598/2592.99	100%	0.545	0.238	-0.07	20.07	21.50	1.390	0.758	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_271	518598/2592.99	50%	0.146	0.071	0.15	21.24	22.50	1.337	0.195	22.3
Back side	100	QPSK1_271	518598/2592.99	50%	0.226	0.107	-0.03	21.24	22.50	1.337	0.302	22.3
Left side	100	QPSK1_271	518598/2592.99	50%	0.051	0.027	0.19	21.24	22.50	1.337	0.068	22.3
Bottom side	100	QPSK1_271	518598/2592.99	50%	0.133	0.058	0.16	21.24	22.50	1.337	0.178	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	518598/2592.99	50%	0.192	0.094	0.17	21.18	22.50	1.355	0.260	22.3
Back side	100	QPSK135_69	518598/2592.99	50%	0.300	0.144	0.00	21.18	22.50	1.355	0.407	21.9
Left side	100	QPSK135_69	518598/2592.99	50%	0.071	0.037	-0.11	21.18	22.50	1.355	0.096	22.3
Bottom side	100	QPSK135_69	518598/2592.99	50%	0.140	0.062	0.17	21.18	22.50	1.355	0.190	22.3
Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_1	518598/2592.99	50%	0.153	0.084	-0.06	20.03	21.50	1.403	0.215	22
Left tilted	100	QPSK1_1	518598/2592.99	50%	0.091	0.050	0.19	20.03	21.50	1.403	0.128	22
Right cheek	100	QPSK1_1	518598/2592.99	50%	0.680	0.296	0.16	20.03	21.50	1.403	0.954	22
Right tilted	100	QPSK1_1	518598/2592.99	50%	0.230	0.113	0.14	20.03	21.50	1.403	0.323	22
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	518598/2592.99	50%	0.186	0.099	-0.05	19.97	21.50	1.422	0.265	22



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Left tilted	100	QPSK135_69	518598/2592.99	50%	0.100	0.056	-0.11	19.97	21.50	1.422	0.142	22
Right cheek	100	QPSK135_69	518598/2592.99	50%	0.766	0.312	0.10	19.97	21.50	1.422	1.090	22
Right tilted	100	QPSK135_69	518598/2592.99	50%	0.267	0.128	-0.17	19.97	21.50	1.422	0.380	22
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	518598/2592.99	50%	0.553	0.242	-0.16	19.02	20.50	1.406	0.778	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_137	518598/2592.99	50%	0.283	0.127	-0.09	18.21	19.50	1.346	0.381	22.6
Back side	100	QPSK1_137	518598/2592.99	50%	0.464	0.197	-0.06	18.21	19.50	1.346	0.624	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	518598/2592.99	50%	0.285	0.128	-0.04	18.34	19.50	1.306	0.372	22.6
Back side	100	QPSK135_69	518598/2592.99	50%	0.519	0.225	-0.04	18.34	19.50	1.306	0.678	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	518598/2592.99	50%	0.105	0.050	-0.17	18.21	19.50	1.346	0.141	22.3
Back side	100	QPSK1_1	518598/2592.99	50%	0.162	0.078	-0.13	18.21	19.50	1.346	0.218	22.3
Left side	100	QPSK1_1	518598/2592.99	50%	0.173	0.080	0.17	18.21	19.50	1.346	0.233	22.3
Top side	100	QPSK1_1	518598/2592.99	50%	0.036	0.020	-0.06	18.21	19.50	1.346	0.048	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	518598/2592.99	50%	0.117	0.056	-0.08	18.34	19.50	1.306	0.153	22.3
Back side	100	QPSK135_69	518598/2592.99	50%	0.182	0.090	-0.02	18.34	19.50	1.306	0.238	22.3
Left side	100	QPSK135_69	518598/2592.99	50%	0.167	0.076	0.12	18.34	19.50	1.306	0.218	22.3
Top side	100	QPSK135_69	518598/2592.99	50%	0.038	0.020	0.09	18.34	19.50	1.306	0.050	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	100	QPSK1_271	518598/2592.99	50%	0.262	0.118	-0.02	16.61	18.50	1.545	0.405	22
Left tilted	100	QPSK1_271	518598/2592.99	50%	0.072	0.038	-0.13	16.61	18.50	1.545	0.111	22
Right cheek	100	QPSK1_271	518598/2592.99	50%	0.585	0.236	-0.09	16.61	18.50	1.545	0.904	22
Right tilted	100	QPSK1_271	518598/2592.99	50%	0.048	0.029	-0.04	16.61	18.50	1.545	0.074	22
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	518598/2592.99	50%	0.298	0.134	-0.18	16.71	18.50	1.510	0.450	22
Left tilted	100	QPSK135_69	518598/2592.99	50%	0.093	0.050	0.10	16.71	18.50	1.510	0.140	22
Right cheek	100	QPSK135_69	518598/2592.99	50%	0.531	0.230	-0.15	16.71	18.50	1.510	0.802	22
Right tilted	100	QPSK135_69	518598/2592.99	50%	0.054	0.030	0.02	16.71	18.50	1.510	0.082	22
Head Test Data (100%RB) DSI1												
Right cheek	100	QPSK270_0	518598/2592.99	50%	0.399	0.188	0.02	15.57	17.50	1.560	0.622	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_1	518598/2592.99	50%	0.388	0.175	-0.13	17.64	19.50	1.535	0.595	22.6
Back side	100	QPSK1_1	518598/2592.99	50%	0.655	0.266	0.02	17.64	19.50	1.535	1.005	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	518598/2592.99	50%	0.390	0.180	0.06	17.66	19.50	1.528	0.596	22.6
Back side	100	QPSK135_69	518598/2592.99	50%	0.676	0.289	-0.09	17.66	19.50	1.528	1.033	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK270_0	518598/2592.99	100%	0.488	0.352	0.12	16.65	18.50	1.531	0.747	22.6



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Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_271	518598/2592.99	50%	0.140	0.069	0.06	16.61	18.50	1.545	0.216	22.3
Back side	100	QPSK1_271	518598/2592.99	50%	0.196	0.093	0.09	16.61	18.50	1.545	0.303	22.3
Right side	100	QPSK1_271	518598/2592.99	50%	0.201	0.092	0.14	16.61	18.50	1.545	0.311	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	518598/2592.99	50%	0.145	0.068	0.19	16.71	18.50	1.510	0.219	22.3
Back side	100	QPSK135_69	518598/2592.99	50%	0.193	0.090	0.07	16.71	18.50	1.510	0.291	22.3
Right side	100	QPSK135_69	518598/2592.99	50%	0.252	0.116	-0.05	16.71	18.50	1.510	0.381	22.3



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9.2.24 SAR Result of NR Band n48

SA N48 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	40	QPSK1_53	641666/3624.99	100%	0.309	0.131	0.18	15.81	17.00	1.315	0.406	22.2
Left tilted	40	QPSK1_53	641666/3624.99	100%	0.401	0.166	-0.13	15.81	17.00	1.315	0.527	22.2
Right cheek	40	QPSK1_53	641666/3624.99	100%	0.460	0.195	-0.12	15.81	17.00	1.315	0.605	22.2
Right tilted	40	QPSK1_53	641666/3624.99	100%	0.375	0.155	-0.15	15.81	17.00	1.315	0.493	22.2
Right cheek	40	QPSK1_53	638000/3570	100%	0.454	0.187	0.13	15.78	17.00	1.324	0.601	22.2
Right cheek	40	QPSK1_53	645322/3679.98	100%	0.461	0.196	0.08	15.80	17.00	1.318	0.608	22.2
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	641666/3624.99	100%	0.311	0.131	-0.18	15.85	17.00	1.303	0.405	22.2
Left tilted	40	QPSK50_28	641666/3624.99	100%	0.405	0.169	-0.12	15.85	17.00	1.303	0.528	22.2
Right cheek	40	QPSK50_28	641666/3624.99	100%	0.464	0.203	-0.04	15.85	17.00	1.303	0.605	22.2
Right tilted	40	QPSK50_28	641666/3624.99	100%	0.379	0.157	0.04	15.85	17.00	1.303	0.494	22.2
Right cheek	40	QPSK50_28	638000/3570	100%	0.460	0.199	0.12	15.83	17.00	1.309	0.602	22.2
Right cheek	40	QPSK50_28	645322/3679.98	100%	0.458	0.190	-0.15	15.76	17.00	1.330	0.609	22.2
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	40	QPSK1_53	645322/3679.98	100%	0.122	0.057	0.19	13.32	14.50	1.312	0.160	22.6
Back side	40	QPSK1_53	645322/3679.98	100%	0.234	0.088	-0.17	13.32	14.50	1.312	0.307	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	40	QPSK50_28	641666/3624.99	100%	0.132	0.060	-0.19	13.37	14.50	1.297	0.171	22.6
Back side	40	QPSK50_28	641666/3624.99	100%	0.229	0.086	-0.16	13.37	14.50	1.297	0.297	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	40	QPSK1_53	641666/3624.99	100%	0.451	0.203	0.06	21.84	23.00	1.306	0.589	22.6
Back side with 10mm	40	QPSK1_53	641666/3624.99	100%	0.529	0.241	0.09	21.84	23.00	1.306	0.691	22.6
Back side with 10mm	40	QPSK1_104	638000/3570	100%	0.521	0.233	0.12	21.84	23.00	1.306	0.681	22.6
Back side with 10mm	40	QPSK1_53	645322/3679.98	100%	0.515	0.229	-0.08	21.74	23.00	1.337	0.688	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	40	QPSK50_28	641666/3624.99	100%	0.449	0.204	0.06	21.83	23.00	1.309	0.588	22.6
Back side with 10mm	40	QPSK50_28	641666/3624.99	100%	0.543	0.244	0.02	21.83	23.00	1.309	0.711	22.6
Back side with 10mm	40	QPSK50_28	638000/3570	100%	0.531	0.238	-0.04	21.78	23.00	1.324	0.703	22.6
Back side with 10mm	40	QPSK50_28	645322/3679.98	100%	0.521	0.231	-0.14	21.74	23.00	1.337	0.696	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_53	641666/3624.99	100%	0.108	0.046	0.17	13.32	14.50	1.312	0.142	22
Back side	40	QPSK1_53	641666/3624.99	100%	0.162	0.070	-0.07	13.32	14.50	1.312	0.213	22
Right side	40	QPSK1_53	641666/3624.99	100%	0.074	0.020	0.13	13.32	14.50	1.312	0.097	22
Top side	40	QPSK1_53	641666/3624.99	100%	0.221	0.086	-0.05	13.32	14.50	1.312	0.290	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	641666/3624.99	100%	0.112	0.052	-0.07	13.37	14.50	1.297	0.145	22
Back side	40	QPSK50_28	641666/3624.99	100%	0.180	0.046	-0.10	13.37	14.50	1.297	0.233	22



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Right side	40	QPSK50_28	641666/3624.99	100%	0.078	0.024	0.13	13.37	14.50	1.297	0.101	22
Top side	40	QPSK50_28	641666/3624.99	100%	0.201	0.081	0.04	13.37	14.50	1.297	0.261	22
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	40	QPSK1_104	641666/3624.99	100%	0.130	0.056	0.19	14.40	16.00	1.445	0.188	22.2
Left tilted	40	QPSK1_104	641666/3624.99	100%	0.134	0.057	-0.08	14.40	16.00	1.445	0.194	22.2
Right cheek	40	QPSK1_104	641666/3624.99	100%	0.426	0.174	0.16	14.40	16.00	1.445	0.616	22.2
Right tilted	40	QPSK1_104	641666/3624.99	100%	0.289	0.120	0.05	14.40	16.00	1.445	0.418	22.2
Right cheek	40	QPSK1_104	638000/3570	100%	0.412	0.170	0.00	14.31	16.00	1.476	0.608	22.2
Right cheek	40	QPSK1_104	645322/3679.98	100%	0.418	0.169	0.02	14.25	16.00	1.496	0.625	22.2
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	641666/3624.99	100%	0.141	0.062	0.08	14.32	16.00	1.472	0.208	22.2
Left tilted	40	QPSK50_28	641666/3624.99	100%	0.147	0.062	0.08	14.32	16.00	1.472	0.216	22.2
Right cheek	40	QPSK50_28	641666/3624.99	100%	0.389	0.174	0.05	14.32	16.00	1.472	0.573	22.2
Right tilted	40	QPSK50_28	641666/3624.99	100%	0.325	0.130	-0.05	14.32	16.00	1.472	0.479	22.2
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_53	641666/3624.99	100%	0.215	0.093	0.13	12.96	14.50	1.426	0.307	22.6
Back side	40	QPSK1_53	641666/3624.99	100%	0.390	0.149	-0.17	12.96	14.50	1.426	0.556	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	40	QPSK50_28	641666/3624.99	100%	0.216	0.092	-0.01	12.82	14.50	1.472	0.318	22.6
Back side	40	QPSK50_28	641666/3624.99	100%	0.389	0.149	0.01	12.82	14.50	1.472	0.573	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_53	641666/3624.99	100%	0.096	0.024	-0.12	12.96	14.50	1.426	0.137	22
Back side	40	QPSK1_53	641666/3624.99	100%	0.178	0.072	-0.13	12.96	14.50	1.426	0.254	22
Left side	40	QPSK1_53	641666/3624.99	100%	0.174	0.076	-0.19	12.96	14.50	1.426	0.248	22
Top side	40	QPSK1_53	641666/3624.99	100%	0.082	0.038	-0.07	12.96	14.50	1.426	0.117	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	641666/3624.99	100%	0.112	0.050	-0.16	12.82	14.50	1.472	0.165	22
Back side	40	QPSK50_28	641666/3624.99	100%	0.130	0.034	0.01	12.82	14.50	1.472	0.191	22
Left side	40	QPSK50_28	641666/3624.99	100%	0.162	0.072	0.18	12.82	14.50	1.472	0.239	22
Top side	40	QPSK50_28	641666/3624.99	100%	0.096	0.040	0.00	12.82	14.50	1.472	0.141	22
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	40	QPSK1_104	641666/3624.99	100%	0.368	0.148	-0.06	14.34	16.00	1.466	0.539	22.2
Left tilted	40	QPSK1_104	641666/3624.99	100%	0.164	0.068	-0.09	14.34	16.00	1.466	0.240	22.2
Right cheek	40	QPSK1_104	641666/3624.99	100%	0.081	0.038	0.04	14.34	16.00	1.466	0.119	22.2
Right tilted	40	QPSK1_104	641666/3624.99	100%	0.043	0.023	-0.14	14.34	16.00	1.466	0.063	22.2
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	641666/3624.99	100%	0.407	0.153	-0.08	14.35	16.00	1.462	0.595	22.2



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Left tilted	40	QPSK50_28	641666/3624.99	100%	0.178	0.070	0.07	14.35	16.00	1.462	0.260	22.2
Right cheek	40	QPSK50_28	641666/3624.99	100%	0.077	0.034	0.00	14.35	16.00	1.462	0.113	22.2
Right tilted	40	QPSK50_28	641666/3624.99	100%	0.036	0.020	-0.19	14.35	16.00	1.462	0.053	22.2
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	40	QPSK1_104	641666/3624.99	100%	0.195	0.082	-0.12	14.34	16.00	1.466	0.286	22.6
Back side	40	QPSK1_104	641666/3624.99	100%	0.271	0.115	0.04	14.34	16.00	1.466	0.397	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	40	QPSK50_28	641666/3624.99	100%	0.195	0.081	-0.15	14.35	16.00	1.462	0.285	22.6
Back side	40	QPSK50_28	641666/3624.99	100%	0.273	0.115	0.08	14.35	16.00	1.462	0.399	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	40	QPSK1_104	641666/3624.99	100%	0.234	0.103	-0.08	19.24	21.00	1.500	0.351	22.6
Back side with 10mm	40	QPSK1_104	641666/3624.99	100%	0.339	0.133	-0.02	19.24	21.00	1.500	0.508	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	40	QPSK50_28	641666/3624.99	100%	0.231	0.102	0.02	19.23	21.00	1.503	0.347	22.6
Back side with 10mm	40	QPSK50_28	641666/3624.99	100%	0.345	0.137	-0.02	19.23	21.00	1.503	0.519	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_104	641666/3624.99	100%	0.076	0.022	0.12	14.34	16.00	1.466	0.111	22
Back side	40	QPSK1_104	641666/3624.99	100%	0.168	0.042	0.18	14.34	16.00	1.466	0.246	22
Right side	40	QPSK1_104	641666/3624.99	100%	0.132	0.030	0.15	14.34	16.00	1.466	0.193	22
Top side	40	QPSK1_104	641666/3624.99	100%	0.050	0.012	0.13	14.34	16.00	1.466	0.073	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	641666/3624.99	100%	0.102	0.042	-0.09	14.35	16.00	1.462	0.149	22
Back side	40	QPSK50_28	641666/3624.99	100%	0.120	0.050	0.12	14.35	16.00	1.462	0.175	22
Right side	40	QPSK50_28	641666/3624.99	100%	0.158	0.060	0.13	14.35	16.00	1.462	0.231	22
Top side	40	QPSK50_28	641666/3624.99	100%	0.152	0.038	0.00	14.35	16.00	1.462	0.222	22
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	40	QPSK1_53	641666/3624.99	100%	0.096	0.042	-0.05	19.32	21.00	1.472	0.141	22.2
Left tilted	40	QPSK1_53	641666/3624.99	100%	0.106	0.045	-0.18	19.32	21.00	1.472	0.156	22.2
Right cheek	40	QPSK1_53	641666/3624.99	100%	0.440	0.182	-0.14	19.32	21.00	1.472	0.648	22.2
Right tilted	40	QPSK1_53	641666/3624.99	100%	0.245	0.112	0.05	19.32	21.00	1.472	0.361	22.2
Right cheek	40	QPSK1_53	638000/3570	100%	0.441	0.185	-0.19	19.25	21.00	1.496	0.660	22.2
Right cheek	40	QPSK1_53	645322/3679.98	100%	0.441	0.168	0.02	19.19	21.00	1.517	0.669	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK50_28	641666/3624.99	100%	0.090	0.040	-0.13	19.23	21.00	1.503	0.135	22.2
Left tilted	40	QPSK50_28	641666/3624.99	100%	0.117	0.050	-0.18	19.23	21.00	1.503	0.176	22.2
Right cheek	40	QPSK50_28	641666/3624.99	100%	0.349	0.150	-0.03	19.23	21.00	1.503	0.525	22.2
Right tilted	40	QPSK50_28	641666/3624.99	100%	0.238	0.109	0.02	19.23	21.00	1.503	0.358	22.2
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_1	641666/3624.99	100%	0.035	0.009	-0.13	9.57	11.00	1.390	0.049	22.6
Back side	40	QPSK1_1	641666/3624.99	100%	0.276	0.108	0.14	9.57	11.00	1.390	0.384	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												



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Front side	40	QPSK50_28	641666/3624.99	100%	0.037	0.016	0.18	9.43	11.00	1.435	0.053	22.6
Back side	40	QPSK50_28	641666/3624.99	100%	0.251	0.099	0.00	9.43	11.00	1.435	0.360	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_1	641666/3624.99	100%	0.046	0.025	-0.14	9.57	11.00	1.390	0.064	22
Back side	40	QPSK1_1	641666/3624.99	100%	0.085	0.039	-0.08	9.57	11.00	1.390	0.118	22
Left side	40	QPSK1_1	641666/3624.99	100%	0.066	0.021	0.16	9.57	11.00	1.390	0.092	22
Top side	40	QPSK1_1	641666/3624.99	100%	0.010	0.060	0.06	9.57	11.00	1.390	0.014	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK50_28	641666/3624.99	100%	0.036	0.018	-0.01	9.43	11.00	1.435	0.052	22
Back side	40	QPSK50_28	641666/3624.99	100%	0.073	0.029	-0.09	9.43	11.00	1.435	0.105	21.9
Left side	40	QPSK50_28	641666/3624.99	100%	0.045	0.016	-0.07	9.43	11.00	1.435	0.065	22
Top side	40	QPSK50_28	641666/3624.99	100%	0.012	0.008	0.15	9.43	11.00	1.435	0.017	22



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9.2.25 SAR Result of NR Band n66

SA N66 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	40	QPSK1_1	349000/1745	100%	0.392	0.260	-0.14	17.84	18.70	1.219	0.478	22
Left tilted	40	QPSK1_1	349000/1745	100%	0.446	0.280	-0.13	17.84	18.70	1.219	0.544	22
Right cheek	40	QPSK1_1	349000/1745	100%	0.698	0.431	-0.02	17.84	18.70	1.219	0.851	22
Right tilted	40	QPSK1_1	349000/1745	100%	0.690	0.359	-0.09	17.84	18.70	1.219	0.841	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK108_54	349000/1745	100%	0.407	0.269	-0.09	17.69	18.70	1.262	0.514	22
Left tilted	40	QPSK108_54	349000/1745	100%	0.466	0.290	-0.06	17.69	18.70	1.262	0.588	22
Right cheek	40	QPSK108_54	349000/1745	100%	0.725	0.450	-0.08	17.69	18.70	1.262	0.915	22
Right tilted	40	QPSK108_54	349000/1745	100%	0.713	0.371	-0.02	17.69	18.70	1.262	0.900	22
Right cheek with ENDC	40	QPSK108_54	349000/1745	100%	0.715	0.439	0.04	17.75	18.70	1.245	0.890	22
Head Test Data (100%RB) DSI1												
Right cheek	40	QPSK216_0	349000/1745	100%	0.591	0.363	-0.13	16.61	17.70	1.285	0.760	22
Right tilted	40	QPSK216_0	349000/1745	100%	0.556	0.288	0.05	16.61	17.70	1.285	0.715	22
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	40	QPSK1_108	349000/1745	100%	0.433	0.264	0.08	18.36	19.20	1.213	0.525	22.6
Front side	40	QPSK1_108	349000/1745	100%	0.823	0.417	-0.05	18.36	19.20	1.213	0.999	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	40	QPSK108_54	349000/1745	100%	0.430	0.260	0.01	18.25	19.20	1.245	0.535	22.6
Back side	40	QPSK108_54	349000/1745	100%	0.814	0.409	-0.16	18.25	19.20	1.245	1.013	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	40	QPSK216_0	349000/1745	100%	0.620	0.350	0.14	17.20	18.20	1.259	0.781	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	40	QPSK1_1	349000/1745	100%	0.477	0.298	-0.07	23.34	24.20	1.219	0.581	22.6
Back side with 10mm	40	QPSK1_1	349000/1745	100%	0.813	0.458	-0.13	23.34	24.20	1.219	0.991	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	40	QPSK108_54	349000/1745	100%	0.520	0.325	0.02	23.30	24.20	1.230	0.640	22.6
Back side with 10mm	40	QPSK108_54	349000/1745	100%	0.861	0.498	-0.04	23.30	24.20	1.230	1.059	22.6
Back side with 10mm ENDC	40	QPSK108_54	349000/1745	100%	0.813	0.471	-0.11	23.15	24.20	1.274	1.035	22.6
Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	20	QPSK216_0	349000/1745	100%	0.678	0.378	0.13	22.17	23.20	1.268	0.859	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_1	349000/1745	100%	0.146	0.089	0.10	17.84	18.70	1.219	0.178	22.3
Back side	40	QPSK1_1	349000/1745	100%	0.266	0.157	0.04	17.84	18.70	1.219	0.324	22.3
Left side	40	QPSK1_1	349000/1745	100%	0.071	0.036	0.00	17.84	18.70	1.219	0.087	22.3
Top side	40	QPSK1_1	349000/1745	100%	0.314	0.170	0.07	17.84	18.70	1.219	0.383	22.3



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Hotspot Test data (Separate 10mm 50%RB) DS15												
Front side	40	QPSK108_54	349000/1745	100%	0.157	0.101	0.09	17.69	18.70	1.262	0.198	22.3
Back side	40	QPSK108_54	349000/1745	100%	0.278	0.159	0.12	17.69	18.70	1.262	0.351	22.3
Left side	40	QPSK108_54	349000/1745	100%	0.075	0.038	0.04	17.69	18.70	1.262	0.095	22.3
Top side	40	QPSK108_54	349000/1745	100%	0.318	0.174	0.11	17.69	18.70	1.262	0.401	22.3
Top side with ENDC	40	QPSK108_54	349000/1745	100%	0.312	0.172	0.16	17.75	18.70	1.245	0.388	22.3
Ant 3 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DS11												
Left cheek	40	QPSK1_1	349000/1745	100%	0.101	0.064	-0.09	24.64	25.70	1.276	0.129	22
Left tilted	40	QPSK1_1	349000/1745	100%	0.077	0.047	0.00	24.64	25.70	1.276	0.098	22
Right cheek	40	QPSK1_1	349000/1745	100%	0.140	0.086	-0.10	24.64	25.70	1.276	0.179	22
Right tilted	40	QPSK1_1	349000/1745	100%	0.068	0.409	0.13	24.64	25.70	1.276	0.087	22
Head Test Data (50%RB) DS11												
Left cheek	40	QPSK108_54	349000/1745	100%	0.121	0.076	-0.07	24.33	25.70	1.371	0.166	22
Left tilted	40	QPSK108_54	349000/1745	100%	0.084	0.051	0.12	24.33	25.70	1.371	0.115	22
Right cheek	40	QPSK108_54	349000/1745	100%	0.149	0.090	0.08	24.33	25.70	1.371	0.204	22
Right tilted	40	QPSK108_54	349000/1745	100%	0.080	0.047	-0.05	24.33	25.70	1.371	0.110	22
Right cheek with ENDC	40	QPSK108_54	349000/1745	100%	0.157	0.096	0.17	24.71	25.70	1.256	0.197	22
Body worn Test data (Separate 5mm 1RB) DS1 4												
Front side	40	QPSK1_1	349000/1745	100%	0.714	0.372	0.17	19.76	20.70	1.242	0.887	22.6
Back side	40	QPSK1_1	349000/1745	100%	0.877	0.445	0.19	19.76	20.70	1.242	1.089	22.6
Body worn Test data (Separate 5mm 50%RB) DS14												
Front side	40	QPSK108_54	349000/1745	100%	0.729	0.379	-0.05	19.85	20.70	1.216	0.887	22.6
Back side	40	QPSK108_54	349000/1745	100%	0.899	0.452	0.04	19.85	20.70	1.216	1.093	22.6
Back side with ENDC	40	QPSK108_54	349000/1745	100%	0.866	0.428	0.13	19.79	20.70	1.233	1.068	22.6
Back side with Repeat	40	QPSK108_54	349000/1745	100%	0.875	0.438	0.02	19.85	20.70	1.216	1.064	22.6
Body worn Test data (Separate 5mm 100%RB) DS14												
Front side	20	QPSK216_0	349000/1745	100%	0.514	0.268	-0.01	18.63	19.70	1.279	0.658	22.6
Back side	20	QPSK216_0	349000/1745	100%	0.722	0.366	0.05	18.63	19.70	1.279	0.924	22.6
Hotspot Test data (Separate 10mm 1RB) DS15												
Front side	40	QPSK1_1	349000/1745	100%	0.375	0.206	0.15	19.76	20.70	1.242	0.466	22.3
Back side	40	QPSK1_1	349000/1745	100%	0.473	0.254	0.04	19.76	20.70	1.242	0.587	22.3
Left side	40	QPSK1_1	349000/1745	100%	0.131	0.076	0.10	19.76	20.70	1.242	0.163	22.3
Bottom side	40	QPSK1_1	349000/1745	100%	0.168	0.104	-0.06	19.76	20.70	1.242	0.209	22.3
Hotspot Test data (Separate 10mm 50%RB) DS15												
Front side	40	QPSK108_54	349000/1745	100%	0.288	0.155	0.07	19.85	20.70	1.216	0.350	22.3
Back side	40	QPSK108_54	349000/1745	100%	0.485	0.270	0.12	19.85	20.70	1.216	0.590	21.9
Left side	40	QPSK108_54	349000/1745	100%	0.133	0.074	0.16	19.85	20.70	1.216	0.162	22.3
Bottom side	40	QPSK108_54	349000/1745	100%	0.161	0.098	-0.02	19.85	20.70	1.216	0.196	22.3
Back side with ENDC	40	QPSK108_54	349000/1745	100%	0.461	0.259	-0.01	19.79	20.70	1.233	0.568	21.9



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Ant 4 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	40	QPSK1_214	349000/1745	100%	0.198	0.117	0.16	20.04	21.20	1.306	0.259	22
Left tilted	40	QPSK1_214	349000/1745	100%	0.099	0.058	-0.04	20.04	21.20	1.306	0.129	22
Right cheek	40	QPSK1_214	349000/1745	100%	0.825	0.363	-0.04	20.04	21.20	1.306	1.078	22
Right tilted	40	QPSK1_214	349000/1745	100%	0.231	0.123	0.05	20.04	21.20	1.306	0.302	22
Right cheek with ENDC	40	QPSK1_108	349000/1745	100%	0.761	0.335	0.18	19.85	21.20	1.365	1.038	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK108_54	349000/1745	100%	0.177	0.107	-0.14	19.97	21.20	1.327	0.235	22
Left tilted	40	QPSK108_54	349000/1745	100%	0.081	0.050	-0.06	19.97	21.20	1.327	0.108	22
Right cheek	40	QPSK108_54	349000/1745	100%	0.714	0.338	0.17	19.97	21.20	1.327	0.948	22
Right tilted	40	QPSK108_54	349000/1745	100%	0.189	0.100	0.14	19.97	21.20	1.327	0.251	22
Head Test Data (100%RB) DSI1												
Right cheek	40	QPSK216_0	349000/1745	100%	0.558	0.262	-0.18	18.87	20.20	1.358	0.758	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_108	349000/1745	100%	0.469	0.223	-0.01	19.60	20.70	1.288	0.604	22.6
Back side	40	QPSK1_108	349000/1745	100%	0.742	0.331	-0.14	19.60	20.70	1.288	0.956	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	40	QPSK108_54	349000/1745	100%	0.462	0.221	-0.06	19.53	20.70	1.309	0.605	22.6
Back side	40	QPSK108_54	349000/1745	100%	0.734	0.326	0.05	19.53	20.70	1.309	0.961	22.6
Back side with ENDC	40	QPSK108_54	349000/1745	100%	0.641	0.291	0.14	19.11	20.70	1.442	0.924	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	20	QPSK216_0	349000/1745	100%	0.516	0.263	0.10	18.42	19.70	1.343	0.693	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_108	349000/1745	100%	0.140	0.077	0.03	19.60	20.70	1.288	0.180	22.3
Back side	40	QPSK1_108	349000/1745	100%	0.232	0.116	0.15	19.60	20.70	1.288	0.299	22.3
Left side	40	QPSK1_108	349000/1745	100%	0.360	0.194	-0.08	19.60	20.70	1.288	0.464	22.3
Top side	40	QPSK1_108	349000/1745	100%	0.140	0.077	0.10	19.60	20.70	1.288	0.180	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK108_54	349000/1745	100%	0.179	0.096	0.07	19.53	20.70	1.309	0.234	22.3
Back side	40	QPSK108_54	349000/1745	100%	0.297	0.149	-0.19	19.53	20.70	1.309	0.389	22.3
Left side	40	QPSK108_54	349000/1745	100%	0.395	0.195	-0.17	19.53	20.70	1.309	0.517	22.3
Top side	40	QPSK108_54	349000/1745	100%	0.065	0.037	-0.07	19.53	20.70	1.309	0.085	22.3
Left side with ENDC	40	QPSK108_54	349000/1745	100%	0.347	0.171	-0.13	19.11	20.70	1.442	0.500	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	40	QPSK1_108	349000/1745	100%	0.709	0.372	0.10	18.76	20.00	1.330	0.943	22
Left tilted	40	QPSK1_108	349000/1745	100%	0.163	0.090	-0.05	18.76	20.00	1.330	0.217	22
Right cheek	40	QPSK1_108	349000/1745	100%	0.448	0.229	0.09	18.76	20.00	1.330	0.596	22



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Right tilted	40	QPSK1_108	349000/1745	100%	0.083	0.050	-0.02	18.76	20.00	1.330	0.110	22
Head Test Data (50%RB) DSI1												
Left cheek	40	QPSK108_54	349000/1745	100%	0.703	0.369	-0.08	18.69	20.00	1.352	0.951	22
Left tilted	40	QPSK108_54	349000/1745	100%	0.164	0.091	0.19	18.69	20.00	1.352	0.222	22
Right cheek	40	QPSK108_54	349000/1745	100%	0.442	0.227	0.02	18.69	20.00	1.352	0.598	22
Right tilted	40	QPSK108_54	349000/1745	100%	0.085	0.052	-0.17	18.69	20.00	1.352	0.115	22
Left cheek with ENDC	40	QPSK108_54	349000/1745	100%	0.611	0.321	-0.07	18.25	20.00	1.496	0.914	22
Head Test Data (100%RB) DSI1												
Left cheek	20	QPSK216_0	349000/1745	100%	0.542	0.286	-0.07	17.59	19.00	1.384	0.750	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	40	QPSK1_108	349000/1745	100%	0.336	0.164	-0.18	18.31	19.50	1.315	0.442	22.6
Back side	40	QPSK1_108	349000/1745	100%	0.555	0.251	-0.14	18.31	19.50	1.315	0.730	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	40	QPSK108_54	349000/1745	100%	0.335	0.163	0.05	18.21	19.50	1.346	0.451	22.6
Back side	40	QPSK108_54	349000/1745	100%	0.556	0.264	-0.02	18.21	19.50	1.346	0.748	22.6
Back side with ENDC	40	QPSK108_54	349000/1745	100%	0.482	0.227	0.05	17.71	19.50	1.510	0.728	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	40	QPSK1_108	349000/1745	100%	0.219	0.110	0.19	18.31	19.50	1.315	0.288	22.3
Back side	40	QPSK1_108	349000/1745	100%	0.302	0.152	-0.12	18.31	19.50	1.315	0.397	22.3
Right side	40	QPSK1_108	349000/1745	100%	0.425	0.211	0.13	18.31	19.50	1.315	0.559	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	40	QPSK108_54	349000/1745	100%	0.215	0.107	-0.12	18.21	19.50	1.346	0.289	22.3
Back side	40	QPSK108_54	349000/1745	100%	0.321	0.158	-0.04	18.21	19.50	1.346	0.432	22.3
Right side	40	QPSK108_54	349000/1745	100%	0.418	0.208	0.17	18.21	19.50	1.346	0.563	22.3
Right side with ENDC	40	QPSK108_54	349000/1745	100%	0.360	0.180	0.12	17.71	0.00	0.017	0.006	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side with ENDC	349000/1745	0.899	0.875	1.027	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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9.2.26 SAR Result of NR Band n71

SA N71 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	QPSK1_1	134600/673	100%	0.125	0.090	0.09	24.31	25.00	1.172	0.147	22
Left tilted	20	QPSK1_1	134600/673	100%	0.064	0.048	0.10	24.31	25.00	1.172	0.075	22
Right cheek	20	QPSK1_1	134600/673	100%	0.118	0.088	0.05	24.31	25.00	1.172	0.138	22
Right tilted	20	QPSK1_1	134600/673	100%	0.063	0.480	0.01	24.31	25.00	1.172	0.074	22
Head Test Data (50%RB) DS11												
Left cheek	20	QPSK50_28	134600/673	100%	0.137	0.099	0.16	24.15	25.00	1.216	0.167	22
Left tilted	20	QPSK50_28	134600/673	100%	0.072	0.054	0.16	24.15	25.00	1.216	0.088	22
Right cheek	20	QPSK50_28	134600/673	100%	0.124	0.092	-0.12	24.15	25.00	1.216	0.151	22
Right tilted	20	QPSK50_28	134600/673	100%	0.065	0.049	-0.04	24.15	25.00	1.216	0.079	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	20	QPSK1_1	134600/673	100%	0.445	0.262	-0.08	24.31	25.00	1.172	0.522	22.6
Back side	20	QPSK1_1	134600/673	100%	0.500	0.316	-0.11	24.31	25.00	1.172	0.586	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	134600/673	100%	0.445	0.263	0.18	24.15	25.00	1.216	0.541	22.6
Back side	20	QPSK50_28	134600/673	100%	0.480	0.300	-0.12	24.15	25.00	1.216	0.584	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_1	134600/673	100%	0.200	0.125	-0.19	24.31	25.00	1.172	0.234	22.6
Back side	20	QPSK1_1	134600/673	100%	0.241	0.155	-0.02	24.31	25.00	1.172	0.282	21.9
Right side	20	QPSK1_1	134600/673	100%	0.232	0.156	0.16	24.31	25.00	1.172	0.272	22.6
Bottom side	20	QPSK1_1	134600/673	100%	0.119	0.061	0.13	24.31	25.00	1.172	0.139	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	134600/673	100%	0.202	0.126	-0.02	24.15	25.00	1.216	0.246	22.6
Back side	20	QPSK50_28	134600/673	100%	0.226	0.142	-0.11	24.15	25.00	1.216	0.275	22.6
Right side	20	QPSK50_28	134600/673	100%	0.218	0.146	0.17	24.15	25.00	1.216	0.265	22.6
Bottom side	20	QPSK50_28	134600/673	100%	0.132	0.071	0.10	24.15	25.00	1.216	0.161	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) DS11												
Left cheek	20	QPSK1_53	134600/673	100%	0.270	0.144	0.06	23.97	25.00	1.268	0.342	22
Left tilted	20	QPSK1_53	134600/673	100%	0.066	0.045	-0.17	23.97	25.00	1.268	0.084	22
Right cheek	20	QPSK1_53	134600/673	100%	0.325	0.172	0.03	23.97	25.00	1.268	0.412	22
Right tilted	20	QPSK1_53	134600/673	100%	0.068	0.044	0.13	23.97	25.00	1.268	0.086	22
Head Test Data (50%RB) DS11												



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Left cheek	20	QPSK50_28	134600/673	100%	0.276	0.150	0.05	23.86	25.00	1.300	0.359	22
Left tilted	20	QPSK50_28	134600/673	100%	0.067	0.045	0.10	23.86	25.00	1.300	0.087	22
Right cheek	20	QPSK50_28	134600/673	100%	0.313	0.170	0.18	23.86	25.00	1.300	0.407	22
Right tilted	20	QPSK50_28	134600/673	100%	0.067	0.043	0.01	23.86	25.00	1.300	0.087	22
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	20	QPSK1_53	134600/673	100%	0.278	0.152	0.07	23.97	25.00	1.268	0.352	22.6
Back side	20	QPSK1_53	134600/673	100%	0.443	0.229	0.00	23.97	25.00	1.268	0.562	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	20	QPSK50_28	134600/673	100%	0.266	0.145	0.04	23.86	25.00	1.300	0.346	22.6
Back side	20	QPSK50_28	134600/673	100%	0.428	0.219	-0.02	23.86	25.00	1.300	0.556	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	20	QPSK1_53	134600/673	100%	0.111	0.063	-0.13	23.97	25.00	1.268	0.141	22.6
Back side	20	QPSK1_53	134600/673	100%	0.180	0.098	-0.03	23.97	25.00	1.268	0.228	22.6
Left side	20	QPSK1_53	134600/673	100%	0.207	0.110	0.17	23.97	25.00	1.268	0.262	22.6
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	20	QPSK50_28	134600/673	100%	0.108	0.062	0.16	23.86	25.00	1.300	0.140	22.6
Back side	20	QPSK50_28	134600/673	100%	0.170	0.094	0.17	23.86	25.00	1.300	0.221	22.6
Left side	20	QPSK50_28	134600/673	100%	0.194	0.103	0.19	23.86	25.00	1.300	0.252	22.6



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9.2.27 SAR Result of NR Band n77(3450-3550)

SA N77 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) DS11												
Left cheek	100	QPSK1_1	633334/3500	50%	0.473	0.197	-0.14	19.06	20.50	1.393	0.659	22.4
Left tilted	100	QPSK1_1	633334/3500	50%	0.729	0.278	-0.01	19.06	20.50	1.393	1.016	22.4
Right cheek	100	QPSK1_1	633334/3500	50%	0.378	0.171	0.16	19.06	20.50	1.393	0.527	22.4
Right tilted	100	QPSK1_1	633334/3500	50%	0.549	0.218	0.09	19.06	20.50	1.393	0.765	22.4
Head Test Data (50%RB) DS11												
Left cheek	100	QPSK135_69	633334/3500	50%	0.465	0.198	0.02	19.26	20.50	1.330	0.619	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.681	0.275	-0.03	19.26	20.50	1.330	0.906	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.425	0.196	0.12	19.26	20.50	1.330	0.565	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.501	0.222	0.06	19.26	20.50	1.330	0.667	22.4
Head Test Data (50%RB) DS11												
Left tilted	100	QPSK270_0	633334/3500	50%	0.625	0.251	0.19	18.18	19.50	1.355	0.847	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DS13												
Front side	100	QPSK1_1	633334/3500	50%	0.065	0.029	-0.09	16.57	18.00	1.390	0.090	22.6
Back side	100	QPSK1_1	633334/3500	50%	0.123	0.050	0.13	16.57	18.00	1.390	0.171	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DS13												
Front side	100	QPSK135_69	633334/3500	50%	0.062	0.027	-0.06	16.70	18.00	1.349	0.084	22.6
Back side	100	QPSK135_69	633334/3500	50%	0.126	0.052	-0.12	16.70	18.00	1.349	0.170	22.6
Body worn Test data (1RB) Sensor off DS14												
Front side with 10mm	100	QPSK1_137	633334/3500	50%	0.312	0.151	0.12	23.88	25.00	1.294	0.404	22.6
Back side with 10mm	100	QPSK1_137	633334/3500	50%	0.582	0.258	-0.01	23.88	25.00	1.294	0.753	22.6
Body worn Test data (50%RB) Sensor off DS14												
Front side with 10mm	100	QPSK135_69	633334/3500	50%	0.323	0.159	-0.02	23.41	25.00	1.442	0.466	22.6
Back side with 10mm	100	QPSK135_69	633334/3500	50%	0.529	0.241	-0.09	23.41	25.00	1.442	0.763	22.6
Body worn Test data (100%RB) Sensor off DS14												
Front side with 10mm	100	QPSK270_0	633334/3500	100%	0.264	0.127	-0.09	22.52	24.00	1.406	0.371	22.6
Back side with 10mm	100	QPSK270_0	633334/3500	100%	0.479	0.211	0.14	22.52	24.00	1.406	0.673	22.6
Hotspot Test data (Separate 10mm 1RB) DS15												
Front side	100	QPSK1_1	633334/3500	50%	0.182	0.086	-0.18	16.57	18.00	1.390	0.253	22
Back side	100	QPSK1_1	633334/3500	50%	0.305	0.140	-0.03	16.57	18.00	1.390	0.424	22
Right side	100	QPSK1_1	633334/3500	50%	0.051	0.025	0.07	16.57	18.00	1.390	0.070	22
Top side	100	QPSK1_1	633334/3500	50%	0.457	0.193	0.07	16.57	18.00	1.390	0.635	22
Hotspot Test data (Separate 10mm 50%RB) DS15												
Front side	100	QPSK135_69	633334/3500	50%	0.181	0.084	-0.18	16.70	18.00	1.349	0.244	22
Back side	100	QPSK135_69	633334/3500	50%	0.295	0.134	-0.17	16.70	18.00	1.349	0.398	22
Right side	100	QPSK135_69	633334/3500	50%	0.057	0.027	0.16	16.70	18.00	1.349	0.077	22
Top side	100	QPSK135_69	633334/3500	50%	0.406	0.171	0.12	16.70	18.00	1.349	0.548	22



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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	100	QPSK1_137	633334/3500	50%	0.174	0.079	0.13	18.98	20.50	1.419	0.247	22.4
Left tilted	100	QPSK1_137	633334/3500	50%	0.160	0.073	-0.08	18.98	20.50	1.419	0.227	22.4
Right cheek	100	QPSK1_137	633334/3500	50%	0.580	0.269	-0.04	18.98	20.50	1.419	0.823	22.4
Right tilted	100	QPSK1_137	633334/3500	50%	0.493	0.197	0.11	18.98	20.50	1.419	0.700	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	633334/3500	50%	0.237	0.108	-0.04	19.24	20.50	1.337	0.317	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.225	0.100	-0.01	19.24	20.50	1.337	0.301	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.817	0.340	0.02	19.24	20.50	1.337	1.092	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.626	0.250	-0.12	19.24	20.50	1.337	0.837	22.4
Right cheek with Repeat	100	QPSK135_69	633334/3500	50%	0.801	0.332	0.13	19.24	20.50	1.337	1.071	22.4
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	633334/3500	50%	0.455	0.210	-0.08	18.07	19.50	1.390	0.632	22.4
Right tilted	100	QPSK270_0	633334/3500	50%	0.392	0.159	0.16	18.07	19.50	1.390	0.545	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_1	633334/3500	50%	0.331	0.137	0.12	18.00	19.50	1.413	0.468	22.6
Back side	100	QPSK1_1	633334/3500	50%	0.548	0.208	-0.11	18.00	19.50	1.413	0.774	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	633334/3500	50%	0.330	0.135	-0.02	18.11	19.50	1.377	0.454	22.6
Back side	100	QPSK135_69	633334/3500	50%	0.514	0.212	-0.04	18.11	19.50	1.377	0.708	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	100	QPSK270_0	633334/3500	100%	0.407	0.170	0.00	17.07	18.50	1.390	0.566	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	633334/3500	50%	0.123	0.062	0.04	18.00	19.50	1.413	0.174	22
Back side	100	QPSK1_1	633334/3500	50%	0.219	0.093	-0.02	18.00	19.50	1.413	0.309	22
Left side	100	QPSK1_1	633334/3500	50%	0.185	0.080	0.13	18.00	19.50	1.413	0.261	22
Top side	100	QPSK1_1	633334/3500	50%	0.098	0.047	-0.12	18.00	19.50	1.413	0.138	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.163	0.078	0.12	18.11	19.50	1.377	0.224	22
Back side	100	QPSK135_69	633334/3500	50%	0.184	0.084	0.07	18.11	19.50	1.377	0.253	22
Left side	100	QPSK135_69	633334/3500	50%	0.234	0.101	0.01	18.11	19.50	1.377	0.322	22
Top side	100	QPSK135_69	633334/3500	50%	0.110	0.048	-0.05	18.11	19.50	1.377	0.151	22
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	100	QPSK1_1	633334/3500	50%	0.775	0.279	0.05	20.09	21.50	1.384	1.072	22.4
Left tilted	100	QPSK1_1	633334/3500	50%	0.342	0.139	-0.12	20.09	21.50	1.384	0.473	22.4



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Right cheek	100	QPSK1_1	633334/3500	50%	0.144	0.067	-0.03	20.09	21.50	1.384	0.199	22.4
Right tilted	100	QPSK1_1	633334/3500	50%	0.101	0.047	-0.17	20.09	21.50	1.384	0.140	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	633334/3500	50%	0.742	0.293	-0.03	20.19	21.50	1.352	1.003	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.385	0.158	0.05	20.19	21.50	1.352	0.521	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.174	0.080	-0.13	20.19	21.50	1.352	0.235	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.115	0.053	-0.14	20.19	21.50	1.352	0.155	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK270_0	633334/3500	50%	0.628	0.248	-0.17	19.04	20.50	1.400	0.879	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_1	633334/3500	50%	0.293	0.141	0.11	19.64	21.00	1.368	0.401	22.6
Back side	100	QPSK1_1	633334/3500	50%	0.568	0.216	-0.08	19.64	21.00	1.368	0.777	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	633334/3500	50%	0.304	0.151	-0.14	19.63	21.00	1.371	0.417	22.6
Back side	100	QPSK135_69	633334/3500	50%	0.561	0.246	-0.03	19.63	21.00	1.371	0.769	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_1	633334/3500	50%	0.289	0.142	-0.03	23.11	24.50	1.377	0.398	22.6
Back side with 10mm	100	QPSK1_1	633334/3500	50%	0.422	0.190	0.09	23.11	24.50	1.377	0.581	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	633334/3500	50%	0.393	0.188	0.15	23.13	24.50	1.371	0.539	22.6
Back side with 10mm	100	QPSK135_69	633334/3500	50%	0.387	0.181	-0.10	23.13	24.50	1.371	0.531	22.6
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	20	QPSK270_0	633334/3500	100%	0.447	0.196	0.14	18.65	20.00	1.365	0.610	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	633334/3500	50%	0.149	0.068	-0.12	19.63	21.00	1.371	0.204	22
Back side	100	QPSK1_1	633334/3500	50%	0.326	0.135	-0.15	19.63	21.00	1.371	0.447	22
Right side	100	QPSK1_1	633334/3500	50%	0.391	0.154	0.17	19.63	21.00	1.371	0.536	22
Top side	100	QPSK1_1	633334/3500	50%	0.093	0.025	-0.09	19.63	21.00	1.371	0.127	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.154	0.066	0.12	19.63	21.00	1.371	0.211	22
Back side	100	QPSK135_69	633334/3500	50%	0.281	0.118	-0.05	19.63	21.00	1.371	0.385	22
Right side	100	QPSK135_69	633334/3500	50%	0.302	0.129	-0.06	19.63	21.00	1.371	0.414	22
Top side	100	QPSK135_69	633334/3500	50%	0.065	0.032	0.13	19.63	21.00	1.371	0.089	22
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	100	QPSK1_137	633334/3500	50%	0.079	0.035	-0.19	22.91	24.50	1.442	0.114	22.4
Left tilted	100	QPSK1_137	633334/3500	50%	0.082	0.035	-0.12	22.91	24.50	1.442	0.118	22.4
Right cheek	100	QPSK1_137	633334/3500	50%	0.339	0.134	-0.04	22.91	24.50	1.442	0.489	22.4
Right tilted	100	QPSK1_137	633334/3500	50%	0.209	0.093	0.14	22.91	24.50	1.442	0.301	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	633334/3500	50%	0.074	0.036	-0.09	23.04	24.50	1.400	0.104	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.087	0.036	-0.04	23.04	24.50	1.400	0.122	22.4



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Right cheek	100	QPSK135_69	633334/3500	50%	0.341	0.142	0.14	23.04	24.50	1.400	0.477	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.211	0.093	0.16	23.04	24.50	1.400	0.295	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_137	633334/3500	50%	0.092	0.035	0.09	13.03	14.50	1.403	0.129	22.6
Back side	100	QPSK1_137	633334/3500	50%	0.162	0.063	-0.02	13.03	14.50	1.403	0.227	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	633334/3500	50%	0.099	0.037	0.11	13.14	14.50	1.368	0.135	22.6
Back side	100	QPSK135_69	633334/3500	50%	0.164	0.065	-0.15	13.14	14.50	1.368	0.224	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_137	633334/3500	50%	0.054	0.013	-0.18	13.03	14.50	1.403	0.076	22
Back side	100	QPSK1_137	633334/3500	50%	0.573	0.198	-0.07	13.03	14.50	1.403	0.804	21.9
Left side	100	QPSK1_137	633334/3500	50%	0.115	0.050	0.18	13.03	14.50	1.403	0.161	22
Top side	100	QPSK1_137	633334/3500	50%	0.077	0.024	-0.17	13.03	14.50	1.403	0.108	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.041	0.012	0.15	13.14	14.50	1.368	0.056	22
Back side	100	QPSK135_69	633334/3500	50%	0.559	0.188	0.11	13.14	14.50	1.368	0.765	22
Left side	100	QPSK135_69	633334/3500	50%	0.112	0.050	0.09	13.14	14.50	1.368	0.153	22
Top side	100	QPSK135_69	633334/3500	50%	0.041	0.011	0.12	13.14	14.50	1.368	0.056	22
Hotspot Test data (Separate 10mm 100%RB) DSI5												
Back side	100	QPSK270_0	633334/3500	50%	0.412	0.155	0.11	12.08	13.50	1.387	0.571	22

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	633334/3500	0.817	0.801	1.020	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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9.2.28 SAR Result of NR Band n77(3700-3980)

SA N77 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	100	QPSK1_137	650000/3750	50%	0.408	0.154	-0.12	18.93	20.50	1.435	0.586	22.4
Left tilted	100	QPSK1_137	650000/3750	50%	0.617	0.219	0.02	18.93	20.50	1.435	0.886	22.4
Right cheek	100	QPSK1_137	650000/3750	50%	0.413	0.179	-0.09	18.93	20.50	1.435	0.593	22.4
Right tilted	100	QPSK1_137	650000/3750	50%	0.473	0.172	-0.09	18.93	20.50	1.435	0.679	22.4
Left cheek	100	QPSK1_271	662000/3930	50%	0.487	0.187	0.17	18.86	20.50	1.459	0.710	22.4
Left tilted	100	QPSK1_271	662000/3930	50%	0.734	0.256	0.01	18.86	20.50	1.459	1.071	22.4
Right cheek	100	QPSK1_271	662000/3930	50%	0.494	0.219	-0.01	18.86	20.50	1.459	0.721	22.4
Right tilted	100	QPSK1_271	662000/3930	50%	0.564	0.211	-0.19	18.86	20.50	1.459	0.823	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.420	0.156	-0.19	19.02	20.50	1.406	0.591	22.4
Left tilted	100	QPSK135_69	650000/3750	50%	0.661	0.235	-0.14	19.02	20.50	1.406	0.929	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.413	0.176	-0.18	19.02	20.50	1.406	0.581	22.4
Right tilted	100	QPSK135_69	650000/3750	50%	0.512	0.191	0.12	19.02	20.50	1.406	0.720	22.4
Left cheek	100	QPSK135_69	662000/3930	50%	0.452	0.177	-0.11	18.91	20.50	1.442	0.652	22.4
Left tilted	100	QPSK135_69	662000/3930	50%	0.711	0.266	-0.10	18.91	20.50	1.442	1.025	22.4
Right cheek	100	QPSK135_69	662000/3930	50%	0.445	0.199	0.05	18.91	20.50	1.442	0.642	22.4
Right tilted	100	QPSK135_69	662000/3930	50%	0.551	0.216	-0.07	18.91	20.50	1.442	0.795	22.4
Head Test Data (50%RB) DSI1												
Left tilted	100	QPSK270_0	650000/3750	50%	0.454	0.180	-0.04	17.99	19.50	1.416	0.643	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_137	650000/3750	50%	0.184	0.069	-0.15	16.52	18.00	1.406	0.259	22.6
Back side	100	QPSK1_137	650000/3750	50%	0.408	0.132	-0.02	16.52	18.00	1.406	0.574	22.6
Back side	100	QPSK1_271	662000/3930	50%	0.375	0.124	0.00	16.29	18.00	1.483	0.556	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	650000/3750	50%	0.183	0.069	0.18	16.54	18.00	1.400	0.256	22.6
Back side	100	QPSK135_69	650000/3750	50%	0.416	0.135	-0.09	16.54	18.00	1.400	0.582	22.6
Back side	100	QPSK135_69	662000/3930	50%	0.389	0.124	-0.19	16.38	18.00	1.452	0.565	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_137	650000/3750	50%	0.349	0.146	-0.17	23.53	25.00	1.403	0.490	22.6
Back side with 10mm	100	QPSK1_137	650000/3750	50%	0.509	0.199	0.09	23.53	25.00	1.403	0.714	22.6
Front side with 10mm	100	QPSK1_271	662000/3930	50%	0.509	0.186	0.01	23.36	25.00	1.459	0.743	22.6
Back side with 10mm	100	QPSK1_271	662000/3930	50%	0.486	0.178	-0.18	23.36	25.00	1.459	0.709	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	650000/3750	50%	0.360	0.150	0.11	23.57	25.00	1.390	0.500	22.6
Back side with 10mm	100	QPSK135_69	650000/3750	50%	0.580	0.215	-0.04	23.57	25.00	1.390	0.806	22.6



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Front side with 10mm	100	QPSK135_69	662000/3930	50%	0.554	0.205	0.03	23.41	25.00	1.442	0.799	22.6
Back side with 10mm	100	QPSK135_69	662000/3930	50%	0.517	0.200	-0.08	23.41	25.00	1.442	0.746	22.6
Body worn Test data (100%RB) Sensor off DSI4												
Front side	100	QPSK270_0	650000/3750	100%	0.385	0.159	-0.14	22.43	24.00	1.435	0.553	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_137	650000/3750	50%	0.172	0.073	0.16	16.52	18.00	1.406	0.242	22
Back side	100	QPSK1_137	650000/3750	50%	0.247	0.100	0.13	16.52	18.00	1.406	0.347	22
Right side	100	QPSK1_137	650000/3750	50%	0.051	0.024	0.09	16.52	18.00	1.406	0.071	22
Top side	100	QPSK1_137	650000/3750	50%	0.445	0.166	0.17	16.52	18.00	1.406	0.626	22
Top side	100	QPSK1_271	662000/3930	50%	0.455	0.155	0.10	16.29	18.00	1.483	0.675	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.164	0.070	-0.10	16.54	18.00	1.400	0.230	22
Back side	100	QPSK135_69	650000/3750	50%	0.310	0.119	-0.04	16.54	18.00	1.400	0.434	22
Right side	100	QPSK135_69	650000/3750	50%	0.062	0.018	0.03	16.54	18.00	1.400	0.086	22
Top side	100	QPSK135_69	650000/3750	50%	0.562	0.201	0.06	16.54	18.00	1.400	0.787	22
Top side	100	QPSK135_69	662000/3930	50%	0.462	0.171	0.18	16.38	18.00	1.452	0.671	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	100	QPSK1_137	650000/3750	50%	0.185	0.077	-0.09	18.87	20.50	1.455	0.269	22.4
Left tilted	100	QPSK1_137	650000/3750	50%	0.197	0.077	-0.19	18.87	20.50	1.455	0.287	22.4
Right cheek	100	QPSK1_137	650000/3750	50%	0.722	0.301	0.08	18.87	20.50	1.455	1.051	22.4
Right tilted	100	QPSK1_137	650000/3750	50%	0.542	0.193	0.07	18.87	20.50	1.455	0.789	22.4
Right cheek	100	QPSK1_137	662000/3930	50%	0.318	0.130	-0.09	18.80	20.50	1.479	0.470	22.4
Right tilted	100	QPSK1_137	662000/3930	50%	0.087	0.033	-0.13	18.80	20.50	1.479	0.129	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.196	0.086	-0.13	18.89	20.50	1.449	0.284	22.4
Left tilted	100	QPSK135_69	650000/3750	50%	0.209	0.087	-0.07	18.89	20.50	1.449	0.303	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.747	0.272	-0.04	18.89	20.50	1.449	1.082	22
Right tilted	100	QPSK135_69	650000/3750	50%	0.646	0.231	0.06	18.89	20.50	1.449	0.936	22.4
Right cheek	100	QPSK135_69	662000/3930	50%	0.415	0.170	-0.14	18.83	20.50	1.469	0.610	22.4
Right tilted	100	QPSK135_69	662000/3930	50%	0.111	0.045	-0.03	18.83	20.50	1.469	0.163	22.4
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	662000/3930	50%	0.604	0.255	-0.16	18.00	19.50	1.413	0.853	22.4
Right tilted	100	QPSK270_0	662000/3930	50%	0.458	0.184	0.18	18.00	19.50	1.413	0.647	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_137	650000/3750	50%	0.295	0.125	0.03	17.92	19.50	1.439	0.424	22
Back side	100	QPSK1_137	650000/3750	50%	0.645	0.245	-0.12	17.92	19.50	1.439	0.928	22
Front side	100	QPSK1_137	662000/3930	50%	0.170	0.066	0.03	17.90	19.50	1.445	0.246	22
Back side	100	QPSK1_137	662000/3930	50%	0.480	0.180	0.00	17.90	19.50	1.445	0.694	22
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	650000/3750	50%	0.303	0.123	0.09	17.92	19.50	1.439	0.436	22
Back side	100	QPSK135_69	650000/3750	50%	0.699	0.261	0.01	17.92	19.50	1.439	1.006	22.6



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