

9.2.18 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) DSI4												
Left cheek	20	QPSK 1_50	132572/1770	1:1	0.406	0.268	-0.09	17.43	18.50	1.279	0.519	22.4
Left tilted	20	QPSK 1_50	132572/1770	1:1	0.375	0.230	0.02	17.43	18.50	1.279	0.480	22.4
Right cheek	20	QPSK 1_50	132572/1770	1:1	0.765	0.445	0.11	17.43	18.50	1.279	0.979	22.4
Right tilted	20	QPSK 1_50	132572/1770	1:1	0.493	0.287	-0.01	17.43	18.50	1.279	0.631	22.4
Right cheek	20	QPSK 1_99	132072/1720	1:1	0.764	0.442	0.00	17.33	18.50	1.309	1.000	22.4
Right cheek	20	QPSK 1_50	132322/1745	1:1	0.756	0.437	0.00	17.33	18.50	1.309	0.990	22.4
Right cheek	20	QPSK PCC 1_0	132572/1770	1:1	0.725	0.421	0.07	16.98	18.50	1.419	1.029	22.2
		QPSK SCC 1_99	132374/1750.8									
Head Test Data (50%RB) DSI4												
Left cheek	20	QPSK 50_50	132072/1720	1:1	0.400	0.265	-0.02	17.37	18.50	1.297	0.519	22.4
Left tilted	20	QPSK 50_50	132072/1720	1:1	0.328	0.203	-0.17	17.37	18.50	1.297	0.425	22.4
Right cheek	20	QPSK 50_50	132072/1720	1:1	0.785	0.456	0.11	17.37	18.50	1.297	1.018	22.4
Right tilted	20	QPSK 50_50	132072/1720	1:1	0.477	0.277	0.16	17.37	18.50	1.297	0.619	22.4
Right cheek	20	QPSK 50_50	132322/1745	1:1	0.776	0.448	-0.09	17.37	18.50	1.297	1.007	22.4
Right cheek	20	QPSK 50_50	132572/1770	1:1	0.798	0.433	0.07	17.35	18.50	1.303	1.040	22.5
Head Test Data (100%RB) DSI4												
Right cheek	20	QPSK 100_0	132072/1720	1:1	0.775	0.452	0.08	17.31	18.50	1.315	1.019	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	20	QPSK 1_50	132572/1770	1:1	0.711	0.428	0.00	23.49	24.50	1.262	0.897	22.3
Back side	20	QPSK 1_50	132572/1770	1:1	0.712	0.418	0.05	23.49	24.50	1.262	0.898	22.3
Left side	20	QPSK 1_50	132572/1770	1:1	0.479	0.271	-0.15	23.49	24.50	1.262	0.604	22.3
Top side	20	QPSK 1_50	132572/1770	1:1	0.795	0.452	0.06	23.49	24.50	1.262	1.003	22.5
Front side	20	QPSK 1_50	132072/1720	1:1	0.574	0.342	-0.13	23.22	24.50	1.343	0.771	22.3
Front side	20	QPSK 1_99	132322/1745	1:1	0.663	0.395	0.04	23.45	24.50	1.274	0.844	22.3
Back side	20	QPSK 1_50	132072/1720	1:1	0.615	0.356	-0.13	23.22	24.50	1.343	0.826	22.3
Back side	20	QPSK 1_99	132322/1745	1:1	0.683	0.401	0.05	23.45	24.50	1.274	0.870	22.3
Top side	20	QPSK 1_50	132072/1720	1:1	0.620	0.349	0.17	23.22	24.50	1.343	0.833	22.3
Top side	20	QPSK 1_99	132322/1745	1:1	0.748	0.416	-0.18	23.45	24.50	1.274	0.953	22.3
Top side	20	QPSK PCC 1_0	132572/1770	1:1	0.633	0.348	0.08	22.93	24.50	1.435	0.909	22.2
		QPSK SCC 1_99	132374/1750.8									
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	20	QPSK 50_50	132572/1770	1:1	0.615	0.367	-0.19	22.27	23.50	1.327	0.816	22.3
Back side	20	QPSK 50_50	132572/1770	1:1	0.607	0.361	-0.09	22.27	23.50	1.327	0.806	22.3
Left side	20	QPSK 50_50	132572/1770	1:1	0.393	0.223	-0.06	22.27	23.50	1.327	0.522	22.3
Top side	20	QPSK 50_50	132572/1770	1:1	0.689	0.383	0.10	22.27	23.50	1.327	0.915	22.3
Front side	20	QPSK 50_25	132072/1720	1:1	0.482	0.285	-0.11	22.12	23.50	1.374	0.662	22.3



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Front side	20	QPSK 50_25	132322/1745	1:1	0.526	0.315	0.16	22.20	23.50	1.349	0.710	22.3
Back side	20	QPSK 50_25	132072/1720	1:1	0.451	0.257	-0.19	22.12	23.50	1.374	0.620	22.3
Back side	20	QPSK 50_25	132322/1745	1:1	0.601	0.343	0.13	22.20	23.50	1.349	0.811	22.3
Top side	20	QPSK 50_25	132072/1720	1:1	0.519	0.287	0.07	22.12	23.50	1.374	0.713	22.3
Top side	20	QPSK 50_25	132322/1745	1:1	0.582	0.324	-0.13	22.20	23.50	1.349	0.785	22.3
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI0												
Front side	20	QPSK 100_0	132572/1770	1:1	0.589	0.352	0.03	22.19	23.50	1.352	0.796	22.3
Back side	20	QPSK 100_0	132572/1770	1:1	0.615	0.357	0.16	22.19	23.50	1.352	0.832	22.3
Top side	20	QPSK 100_0	132572/1770	1:1	0.678	0.375	0.09	22.19	23.50	1.352	0.917	22.3
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	20	QPSK 1_50	132572/1770	1:1	0.711	0.428	0.00	23.49	23.50	1.002	0.713	22.3
Back side	20	QPSK 1_50	132572/1770	1:1	0.712	0.418	0.05	23.49	23.50	1.002	0.714	22.3
Left side	20	QPSK 1_50	132572/1770	1:1	0.479	0.271	-0.15	23.49	23.50	1.002	0.480	22.3
Top side	20	QPSK 1_50	132572/1770	1:1	0.795	0.452	0.06	23.49	23.50	1.262	1.003	22.5
Front side	20	QPSK 1_50	132072/1720	1:1	0.574	0.342	-0.13	23.22	23.50	1.067	0.612	22.3
Front side	20	QPSK 1_99	132322/1745	1:1	0.663	0.395	0.04	23.45	23.50	1.012	0.671	22.3
Back side	20	QPSK 1_50	132072/1720	1:1	0.615	0.356	-0.13	23.22	23.50	1.067	0.656	22.3
Back side	20	QPSK 1_99	132322/1745	1:1	0.683	0.401	0.05	23.45	23.50	1.012	0.691	22.3
Top side	20	QPSK 1_50	132072/1720	1:1	0.620	0.349	0.17	23.22	23.50	1.067	0.661	22.3
Top side	20	QPSK 1_99	132322/1745	1:1	0.748	0.416	-0.18	23.45	23.50	1.012	0.757	22.3
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	20	QPSK 50_50	132572/1770	1:1	0.553	0.367	-0.19	22.27	23.50	1.327	0.734	22.3
Back side	20	QPSK 50_50	132572/1770	1:1	0.579	0.361	-0.09	22.27	23.50	1.327	0.769	22.3
Left side	20	QPSK 50_50	132572/1770	1:1	0.393	0.223	-0.06	22.27	23.50	1.327	0.522	22.3
Top side	20	QPSK 50_50	132572/1770	1:1	0.689	0.383	0.10	22.27	23.50	1.327	0.915	22.3
Front side	20	QPSK 50_25	132072/1720	1:1	0.482	0.285	-0.11	22.12	23.50	1.374	0.662	22.3
Front side	20	QPSK 50_25	132322/1745	1:1	0.526	0.315	0.16	22.20	23.50	1.349	0.710	22.3
Back side	20	QPSK 50_25	132072/1720	1:1	0.451	0.257	-0.19	22.12	23.50	1.374	0.620	22.3
Back side	20	QPSK 50_25	132322/1745	1:1	0.575	0.343	0.13	22.20	23.50	1.349	0.776	22.3
Top side	20	QPSK 50_25	132072/1720	1:1	0.519	0.287	0.07	22.12	23.50	1.374	0.713	22.3
Top side	20	QPSK 50_25	132322/1745	1:1	0.582	0.324	-0.13	22.20	23.50	1.349	0.785	22.3
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI2												
Front side	20	QPSK 100_0	132572/1770	1:1	0.555	0.352	0.03	22.19	23.50	1.352	0.750	22.3
Back side	20	QPSK 100_0	132572/1770	1:1	0.578	0.357	0.16	22.19	23.50	1.352	0.781	22.3
Top side	20	QPSK 100_0	132572/1770	1:1	0.678	0.375	0.09	22.19	23.50	1.352	0.917	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) DSI4												
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.229	0.140	0.18	24.32	25.00	1.169	0.268	22.3
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.069	0.047	-0.19	24.32	25.00	1.169	0.081	22.3
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.135	0.091	0.14	24.32	25.00	1.169	0.158	22.3
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.091	0.057	0.05	24.32	25.00	1.169	0.106	22.3



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Head Test Data (50%RB) DSI4												
Left cheek	20	QPSK 50_0	132072/1720	1:1	0.236	0.147	-0.16	23.51	24.00	1.119	0.264	22.3
Left tilted	20	QPSK 50_0	132072/1720	1:1	0.068	0.046	-0.09	23.51	24.00	1.119	0.076	22.3
Right cheek	20	QPSK 50_0	132072/1720	1:1	0.156	0.103	-0.13	23.51	24.00	1.119	0.175	22.3
Right tilted	20	QPSK 50_0	132072/1720	1:1	0.081	0.051	0.09	23.51	24.00	1.119	0.091	22.3
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	20	QPSK 1_0	132322/1745	1:1	0.533	0.322	0.06	24.32	25.00	1.169	0.623	22.4
Back side	20	QPSK 1_0	132322/1745	1:1	0.670	0.402	0.09	24.32	25.00	1.169	0.784	22.4
Left side	20	QPSK 1_0	132322/1745	1:1	0.618	0.340	0.15	24.32	25.00	1.169	0.723	22.4
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.265	0.150	0.00	24.32	25.00	1.169	0.310	22.4
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	20	QPSK 50_0	132072/1720	1:1	0.365	0.222	0.07	23.51	24.00	1.119	0.409	22.4
Back side	20	QPSK 50_0	132072/1720	1:1	0.462	0.272	-0.09	23.51	24.00	1.119	0.517	22.4
Left side	20	QPSK 50_0	132072/1720	1:1	0.378	0.213	-0.07	23.51	24.00	1.119	0.423	22.4
Bottom side	20	QPSK 50_0	132072/1720	1:1	0.180	0.103	-0.19	23.51	24.00	1.119	0.201	22.4

(for original report SZCR240300076714)

LTE Band 66 SAR Test Record												
Ant 2 Test Record												
Head Test Data (1RB) DSI4												
Right cheek	20	QPSK 50_50	132572/1770	1:1	0.755	0.437	0.01	17.35	18.50	1.303	0.984	22.3

(for new report SZCR250500221411)



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9.2.19 SAR Result of LTE Band 71

LTE Band 71 SAR Test Record												
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) DS14												
Left cheek	20	QPSK 1_50	133222/673	1:1	0.626	0.361	0.18	23.19	23.50	1.074	0.672	22.4
Left tilted	20	QPSK 1_50	133222/673	1:1	0.543	0.305	-0.03	23.19	23.50	1.074	0.583	22.4
Right cheek	20	QPSK 1_50	133222/673	1:1	0.494	0.326	0.14	23.19	23.50	1.074	0.531	22.4
Right tilted	20	QPSK 1_50	133222/673	1:1	0.365	0.231	-0.03	23.19	23.50	1.074	0.392	22.4
Right cheek	20	QPSK 1_0	133322/683	1:1	0.627	0.362	-0.08	23.09	23.50	1.099	0.689	22.4
Right cheek	20	QPSK 1_0	133372/688	1:1	0.627	0.361	0.00	23.13	23.50	1.089	0.683	22.4
Head Test Data (50%RB) DS14												
Left cheek	20	QPSK 50_0	133322/683	1:1	0.615	0.368	0.06	23.12	23.50	1.091	0.671	22.4
Left tilted	20	QPSK 50_0	133322/683	1:1	0.539	0.305	0.17	23.12	23.50	1.091	0.588	22.4
Right cheek	20	QPSK 50_0	133322/683	1:1	0.499	0.328	0.10	23.12	23.50	1.091	0.545	22.4
Right tilted	20	QPSK 50_0	133322/683	1:1	0.361	0.227	-0.17	23.12	23.50	1.091	0.394	22.4
Right cheek	20	QPSK 50_50	133222/673	1:1	0.654	0.384	0.05	23.11	23.50	1.094	0.715	22.4
Right cheek	20	QPSK 50_25	133372/688	1:1	0.623	0.361	-0.07	23.03	23.50	1.114	0.694	22.4
Head Test Data (1RB) DS14												
Left cheek	20	QPSK 1_50	133222/673	1:1	0.626	0.361	0.18	23.19	23.00	0.957	0.599	22.4
Left tilted	20	QPSK 1_50	133222/673	1:1	0.543	0.305	-0.03	23.19	23.00	0.957	0.520	22.4
Right cheek	20	QPSK 1_50	133222/673	1:1	0.494	0.326	0.14	23.19	23.00	0.957	0.473	22.4
Right tilted	20	QPSK 1_50	133222/673	1:1	0.365	0.231	-0.03	23.19	23.00	0.957	0.349	22.4
Right cheek	20	QPSK 1_0	133322/683	1:1	0.627	0.362	-0.08	23.09	23.00	0.979	0.614	22.4
Right cheek	20	QPSK 1_0	133372/688	1:1	0.627	0.361	0.00	23.13	23.00	0.971	0.609	22.4
Head Test Data (50%RB) DS14												
Left cheek	20	QPSK 50_0	133322/683	1:1	0.615	0.368	0.06	23.12	23.00	0.973	0.598	22.4
Left tilted	20	QPSK 50_0	133322/683	1:1	0.539	0.305	0.17	23.12	23.00	0.973	0.524	22.4
Right cheek	20	QPSK 50_0	133322/683	1:1	0.499	0.328	0.10	23.12	23.00	0.973	0.485	22.4
Right tilted	20	QPSK 50_0	133322/683	1:1	0.361	0.227	-0.17	23.12	23.00	0.973	0.351	22.4
Right cheek	20	QPSK 50_50	133222/673	1:1	0.654	0.384	0.05	23.11	23.00	0.975	0.638	22.4
Right cheek	20	QPSK 50_25	133372/688	1:1	0.623	0.361	-0.07	23.03	23.00	0.993	0.619	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DS10												
Front side	20	QPSK 1_50	133372/688	1:1	0.191	0.132	-0.17	24.60	25.00	1.096	0.209	22
Back side	20	QPSK 1_50	133372/688	1:1	0.207	0.142	0.12	24.60	25.00	1.096	0.227	22
Left side	20	QPSK 1_50	133372/688	1:1	0.071	0.047	0.09	24.60	25.00	1.096	0.078	22
Right side	20	QPSK 1_50	133372/688	1:1	0.137	0.093	-0.13	24.60	25.00	1.096	0.150	22
Top side	20	QPSK 1_50	133372/688	1:1	0.126	0.064	0.04	24.60	25.00	1.096	0.138	22
Body worn&Hotspot Test data (Separate 10mm 50%RB) DS10												
Front side	20	QPSK 50_25	133222/673	1:1	0.198	0.137	0.11	23.42	24.00	1.143	0.226	22
Back side	20	QPSK 50_25	133222/673	1:1	0.207	0.147	0.08	23.42	24.00	1.143	0.237	22



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Left side	20	QPSK 50_25	133222/673	1:1	0.079	0.054	0.17	23.42	24.00	1.143	0.090	22
Right side	20	QPSK 50_25	133222/673	1:1	0.126	0.085	-0.02	23.42	24.00	1.143	0.144	22
Top side	20	QPSK 50_25	133222/673	1:1	0.129	0.065	0.06	23.42	24.00	1.143	0.147	22

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9.2.20 SAR Result of NR Band n7

SA N7 SAR Test Record												
Ant2 Test Record												
Test position	BW	Modulation	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.(℃)
Head Test Data (1RB) DSI4												
Left cheek	20	QPSK 1_104	507000/2535	100%	0.172	0.084	-0.17	16.35	17.50	1.303	0.224	22.4
Left tilted	20	QPSK 1_104	507000/2535	100%	0.105	0.053	0.17	16.35	17.50	1.303	0.137	22.4
Right cheek	20	QPSK 1_104	507000/2535	100%	0.652	0.261	0.08	16.35	17.50	1.303	0.850	22.4
Right tilted	20	QPSK 1_104	507000/2535	100%	0.312	0.152	0.16	16.35	17.50	1.303	0.407	22.4
Right cheek	20	QPSK 1_104	502000/2510	100%	0.554	0.228	-0.01	16.24	17.50	1.337	0.740	22.4
Right cheek	20	QPSK 1_1	512000/2560	100%	0.606	0.250	-0.16	16.32	17.50	1.312	0.795	22.4
Head Test Data (50%RB) DSI4												
Left cheek	20	QPSK 50_28	507000/2535	100%	0.154	0.076	0.10	16.41	17.50	1.285	0.198	22.4
Left tilted	20	QPSK 50_28	507000/2535	100%	0.104	0.053	0.02	16.41	17.50	1.285	0.134	22.4
Right cheek	20	QPSK 50_28	507000/2535	100%	0.567	0.235	0.17	16.41	17.50	1.285	0.729	22.4
Right tilted	20	QPSK 50_28	507000/2535	100%	0.288	0.142	-0.05	16.41	17.50	1.285	0.370	22.4
Head Test Data (100%RB) DSI4												
Right cheek	20	QPSK 100_0	512000/2560	100%	0.494	0.200	0.10	15.45	16.50	1.274	0.629	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) Sensor on DSI1												
Front side	20	QPSK 1_104	507000/2535	100%	0.379	0.173	-0.10	20.85	21.50	1.161	0.440	22.1
Back side	20	QPSK 1_104	507000/2535	100%	0.354	0.170	-0.06	20.85	21.50	1.161	0.411	22.1
Left side	20	QPSK 1_104	507000/2535	100%	0.466	0.213	-0.03	20.85	21.50	1.161	0.541	22.1
Top side	20	QPSK 1_104	507000/2535	100%	0.076	0.038	0.14	20.85	21.50	1.161	0.088	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) Sensor on DSI1												
Front side	20	QPSK 50_28	502000/2510	100%	0.267	0.127	0.03	20.95	21.50	1.135	0.303	22.1
Back side	20	QPSK 50_28	502000/2510	100%	0.273	0.128	0.15	20.95	21.50	1.135	0.310	22.1
Left side	20	QPSK 50_28	502000/2510	100%	0.447	0.191	0.02	20.95	21.50	1.135	0.507	22.1
Top side	20	QPSK 50_28	502000/2510	100%	0.090	0.046	0.01	20.95	21.50	1.135	0.102	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Front side with 15mm	20	QPSK 1_1	512000/2560	100%	0.438	0.203	0.16	24.35	25.00	1.161	0.509	22.1
Back side with 15mm	20	QPSK 1_1	512000/2560	100%	0.491	0.249	-0.08	24.35	25.00	1.161	0.570	22.1
Left side with 19mm	20	QPSK 1_1	512000/2560	100%	0.545	0.289	-0.17	24.35	25.00	1.161	0.633	22.1
Top side with 10mm	20	QPSK 1_1	512000/2560	100%	0.154	0.083	0.16	24.35	25.00	1.161	0.179	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Front side with 15mm	20	QPSK 50_28	507000/2535	100%	0.375	0.192	0.16	24.42	25.00	1.143	0.429	22.1
Back side with 15mm	20	QPSK 50_28	507000/2535	100%	0.473	0.231	0.06	24.42	25.00	1.143	0.541	22.1
Left side with 19mm	20	QPSK 50_28	507000/2535	100%	0.516	0.267	-0.15	24.42	25.00	1.143	0.590	22.1
Top side with 10mm	20	QPSK 50_28	507000/2535	100%	0.148	0.078	-0.17	24.42	25.00	1.143	0.169	22.1
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 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI1												
Left side	20	QPSK 1_104	507000/2535	100%	4.127	1.409	-0.04	20.85	21.50	1.161	1.636	22.1
Left side	20	QPSK 1_1	502000/2510	100%	3.388	1.170	-0.19	20.78	21.50	1.180	1.381	22.1



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Left side	20	QPSK 1_1	512000/2560	100%	4.320	1.460	0.10	20.82	21.50	1.169	1.707	22.1
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI1												
Left side	20	QPSK 50_28	502000/2510	100%	4.430	1.380	0.01	20.95	21.50	1.135	1.566	22.1
Product specific 10g SAR Test data (Separate 0mm 100%RB) Sensor on DSI1												
Left side	20	QPSK 100_0	502000/2510	100%	3.660	1.260	0.05	19.95	20.50	1.135	1.430	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Left side with 19mm	20	QPSK 1_1	512000/2560	100%	0.615	0.318	0.19	24.35	25.00	1.161	0.369	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Left side with 19mm	20	QPSK 50_28	507000/2535	100%	0.516	0.267	-0.14	24.42	25.00	1.143	0.305	22.1
Ant 5 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI4												
Left cheek	20	QPSK 1_1	502000/2510	100%	0.177	0.092	0.07	24.05	25.00	1.245	0.220	22.2
Left tilted	20	QPSK 1_1	502000/2510	100%	0.065	0.035	0.19	24.05	25.00	1.245	0.081	22.2
Right cheek	20	QPSK 1_1	502000/2510	100%	0.089	0.051	0.01	24.05	25.00	1.245	0.111	22.2
Right tilted	20	QPSK 1_1	502000/2510	100%	0.092	0.046	0.06	24.05	25.00	1.245	0.114	22.2
Head Test Data (50%RB) DSI4												
Left cheek	20	QPSK 50_28	502000/2510	100%	0.174	0.090	-0.16	23.86	25.00	1.300	0.226	22.2
Left tilted	20	QPSK 50_28	502000/2510	100%	0.057	0.031	0.18	23.86	25.00	1.300	0.074	22.2
Right cheek	20	QPSK 50_28	502000/2510	100%	0.081	0.046	-0.12	23.86	25.00	1.300	0.105	22.2
Right tilted	20	QPSK 50_28	502000/2510	100%	0.097	0.048	0.18	23.86	25.00	1.300	0.126	22.2
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	20	QPSK 1_1	502000/2510	100%	0.212	0.114	0.15	24.05	25.00	1.245	0.264	22.1
Back side	20	QPSK 1_1	502000/2510	100%	0.309	0.144	-0.10	24.05	25.00	1.245	0.385	22.1
Left side	20	QPSK 1_1	502000/2510	100%	0.409	0.197	-0.19	24.05	25.00	1.245	0.509	22.1
Bottom side	20	QPSK 1_1	502000/2510	100%	0.106	0.053	-0.14	24.05	25.00	1.245	0.132	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	20	QPSK 50_28	502000/2510	100%	0.216	0.111	0.05	23.86	25.00	1.300	0.281	22.1
Back side	20	QPSK 50_28	502000/2510	100%	0.310	0.142	0.16	23.86	25.00	1.300	0.403	22.1
Left side	20	QPSK 50_28	502000/2510	100%	0.384	0.182	0.19	23.86	25.00	1.300	0.499	22.1
Bottom side	20	QPSK 50_28	502000/2510	100%	0.119	0.060	-0.05	23.86	25.00	1.300	0.155	22.1

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9.2.21 SAR Result of NR Band n14

SA N14 SAR Test Record												
Ant1 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	10	QPSK 1_1	158600/793	100%	0.716	0.397	-0.02	21.72	22.50	1.197	0.857	22.4
Left tilted	10	QPSK 1_1	158600/793	100%	0.584	0.339	0.09	21.72	22.50	1.197	0.699	22.4
Right cheek	10	QPSK 1_1	158600/793	100%	0.695	0.451	0.00	21.72	22.50	1.197	0.832	22.4
Right tilted	10	QPSK 1_1	158600/793	100%	0.490	0.294	-0.03	21.72	22.50	1.197	0.586	22.4
Head Test Data (50%RB) DSI4												
Left cheek	10	QPSK 25_14	158600/793	100%	0.668	0.391	0.03	21.48	22.50	1.265	0.845	22.4
Left tilted	10	QPSK 25_14	158600/793	100%	0.552	0.319	-0.18	21.48	22.50	1.265	0.698	22.4
Right cheek	10	QPSK 25_14	158600/793	100%	0.604	0.392	0.03	21.48	22.50	1.265	0.764	22.4
Right tilted	10	QPSK 25_14	158600/793	100%	0.480	0.286	0.04	21.48	22.50	1.265	0.607	22.4
Head Test Data (100%RB) DSI4												
Left cheek	10	QPSK 50_0	158600/793	100%	0.564	0.332	0.06	20.60	21.50	1.230	0.694	22.4
Right cheek	10	QPSK 50_0	158600/793	100%	0.511	0.331	0.16	20.60	21.50	1.230	0.629	22.4
Head Test Data (1RB) DSI5												
Left cheek	10	QPSK 1_1	158600/793	100%	0.716	0.397	-0.02	21.72	21.50	0.951	0.681	22.4
Left tilted	10	QPSK 1_1	158600/793	100%	0.584	0.339	0.09	21.72	21.50	0.951	0.555	22.4
Right cheek	10	QPSK 1_1	158600/793	100%	0.695	0.451	0.00	21.72	21.50	0.951	0.661	22.4
Right tilted	10	QPSK 1_1	158600/793	100%	0.490	0.294	-0.03	21.72	21.50	0.951	0.466	22.4
Head Test Data (50%RB) DSI5												
Left cheek	10	QPSK 25_14	158600/793	100%	0.668	0.391	0.03	21.48	21.50	1.005	0.671	22.4
Left tilted	10	QPSK 25_14	158600/793	100%	0.552	0.319	-0.18	21.48	21.50	1.005	0.555	22.4
Right cheek	10	QPSK 25_14	158600/793	100%	0.604	0.392	0.03	21.48	21.50	1.005	0.607	22.4
Right tilted	10	QPSK 25_14	158600/793	100%	0.480	0.286	0.04	21.48	21.50	1.005	0.482	22.4
Head Test Data (100%RB) DSI5												
Left cheek	10	QPSK 50_0	158600/793	100%	0.564	0.332	0.06	20.60	20.50	0.977	0.551	22.4
Right cheek	10	QPSK 50_0	158600/793	100%	0.511	0.331	0.16	20.60	20.50	0.977	0.499	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	10	QPSK 1_1	158600/793	100%	0.433	0.273	-0.06	24.12	25.00	1.225	0.530	22.1
Back side	10	QPSK 1_1	158600/793	100%	0.420	0.281	-0.01	24.12	25.00	1.225	0.514	22.1
Left side	10	QPSK 1_1	158600/793	100%	0.115	0.078	0.18	24.12	25.00	1.225	0.141	22.1
Right side	10	QPSK 1_1	158600/793	100%	0.264	0.174	-0.10	24.12	25.00	1.225	0.323	22.1
Top side	10	QPSK 1_1	158600/793	100%	0.310	0.163	-0.10	24.12	25.00	1.225	0.380	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	10	QPSK 25_14	158600/793	100%	0.411	0.286	-0.15	23.94	25.00	1.276	0.525	22.1
Back side	10	QPSK 25_14	158600/793	100%	0.402	0.267	0.16	23.94	25.00	1.276	0.513	22.1
Left side	10	QPSK 25_14	158600/793	100%	0.102	0.068	0.04	23.94	25.00	1.276	0.130	22.1
Right side	10	QPSK 25_14	158600/793	100%	0.260	0.176	-0.09	23.94	25.00	1.276	0.332	22.1
Top side	10	QPSK 25_14	158600/793	100%	0.318	0.164	-0.08	23.94	25.00	1.276	0.406	22.1

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9.2.22 SAR Result of NR Band n25

SA N25 SAR Test Record												
Ant2 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	30	QPSK 1_1	373000/1865	100%	0.416	0.273	0.10	17.31	17.50	1.045	0.435	22.4
Left tilted	30	QPSK 1_1	373000/1865	100%	0.450	0.270	-0.13	17.31	17.50	1.045	0.470	22.4
Right cheek	30	QPSK 1_1	373000/1865	100%	0.702	0.406	-0.15	17.31	17.50	1.045	0.733	22.4
Right tilted	30	QPSK 1_1	373000/1865	100%	0.497	0.289	-0.15	17.31	17.50	1.045	0.519	22.4
Head Test Data (50%RB) DSI4												
Left cheek	30	QPSK 80_40	373000/1865	100%	0.389	0.255	-0.02	17.01	17.50	1.119	0.435	22.4
Left tilted	30	QPSK 80_40	373000/1865	100%	0.442	0.261	0.04	17.01	17.50	1.119	0.495	22.4
Right cheek	30	QPSK 80_40	373000/1865	100%	0.708	0.386	0.15	17.01	17.50	1.119	0.793	22.5
Right tilted	30	QPSK 80_40	373000/1865	100%	0.477	0.278	0.15	17.01	17.50	1.119	0.534	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) Sensor on DSI0												
Front side	30	QPSK 1_1	373000/1865	100%	0.514	0.322	0.09	22.23	22.50	1.064	0.547	22.1
Back side	30	QPSK 1_1	373000/1865	100%	0.486	0.296	0.19	22.23	22.50	1.064	0.517	22.1
Left side	30	QPSK 1_1	373000/1865	100%	0.299	0.166	-0.17	22.23	22.50	1.064	0.318	22.1
Top side	30	QPSK 1_1	373000/1865	100%	0.706	0.392	0.05	22.23	22.50	1.064	0.751	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) Sensor on DSI0												
Front side	30	QPSK 80_40	373000/1865	100%	0.508	0.320	0.08	21.93	22.50	1.140	0.579	22.1
Back side	30	QPSK 80_40	373000/1865	100%	0.434	0.267	0.07	21.93	22.50	1.140	0.495	22.1
Left side	30	QPSK 80_40	373000/1865	100%	0.329	0.180	-0.10	21.93	22.50	1.140	0.375	22.1
Top side	30	QPSK 80_40	373000/1865	100%	0.747	0.424	-0.01	21.93	22.50	1.140	0.852	22.5

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9.2.23 SAR Result of NR Band n26

SA N26 SAR Test Record												
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) DSI4												
Left cheek	20	QPSK 1_104	166300/831.5	100%	0.522	0.313	-0.18	20.23	21.00	1.194	0.623	22.4
Left tilted	20	QPSK 1_104	166300/831.5	100%	0.484	0.277	-0.04	20.23	21.00	1.194	0.578	22.4
Right cheek	20	QPSK 1_104	166300/831.5	100%	0.588	0.374	0.16	20.23	21.00	1.194	0.702	22.4
Right tilted	20	QPSK 1_104	166300/831.5	100%	0.455	0.270	-0.16	20.23	21.00	1.194	0.543	22.4
Head Test Data (50%RB) DSI4												
Left cheek	20	QPSK 50_28	167800/839	100%	0.536	0.330	-0.19	20.09	21.00	1.233	0.661	22.4
Left tilted	20	QPSK 50_28	167800/839	100%	0.490	0.281	0.18	20.09	21.00	1.233	0.604	22.4
Right cheek	20	QPSK 50_28	167800/839	100%	0.765	0.430	-0.04	20.09	21.00	1.233	0.943	22.4
Right tilted	20	QPSK 50_28	167800/839	100%	0.443	0.265	0.17	20.09	21.00	1.233	0.546	22.4
Right cheek	20	QPSK 50_28	164800/824	100%	0.757	0.432	-0.01	19.87	21.00	1.297	0.982	22.4
Right cheek	20	QPSK 50_28	166300/831.5	100%	0.727	0.413	-0.01	19.94	21.00	1.276	0.928	22.4
Head Test Data (100%RB) DSI4												
Right cheek	20	QPSK 100_0	167800/839	1:1	0.602	0.382	-0.02	19.10	20.00	1.230	0.741	22.4
Head Test Data (1RB) DSI5												
Left cheek	20	QPSK 1_104	166300/831.5	100%	0.522	0.313	-0.18	20.23	20.00	0.948	0.495	22.4
Left tilted	20	QPSK 1_104	166300/831.5	100%	0.484	0.277	-0.04	20.23	20.00	0.948	0.459	22.4
Right cheek	20	QPSK 1_104	166300/831.5	100%	0.588	0.374	0.16	20.23	20.00	0.948	0.558	22.4
Right tilted	20	QPSK 1_104	166300/831.5	100%	0.455	0.270	-0.16	20.23	20.00	0.948	0.432	22.4
Head Test Data (50%RB) DSI5												
Left cheek	20	QPSK 50_28	167800/839	100%	0.536	0.330	-0.19	20.09	20.00	0.979	0.525	22.4
Left tilted	20	QPSK 50_28	167800/839	100%	0.490	0.281	0.18	20.09	20.00	0.979	0.480	22.4
Right cheek	20	QPSK 50_28	167800/839	100%	0.765	0.430	-0.04	20.09	20.00	0.979	0.749	22.4
Right tilted	20	QPSK 50_28	167800/839	100%	0.443	0.265	0.17	20.09	20.00	0.979	0.434	22.4
Right cheek	20	QPSK 50_28	164800/824	100%	0.757	0.432	-0.01	19.87	20.00	1.030	0.780	22.4
Right cheek	20	QPSK 50_28	166300/831.5	100%	0.727	0.413	-0.01	19.94	20.00	1.014	0.737	22.4
Head Test Data (100%RB) DSI5												
Right cheek	20	QPSK 100_0	167800/839	1:1	0.602	0.382	-0.02	19.10	19.00	0.977	0.588	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	20	QPSK 1_104	166300/831.5	100%	0.727	0.446	0.01	24.14	25.00	1.219	0.886	22.1
Back side	20	QPSK 1_104	166300/831.5	100%	0.585	0.357	-0.19	24.14	25.00	1.219	0.713	22.1
Left side	20	QPSK 1_104	166300/831.5	100%	0.099	0.066	0.05	24.14	25.00	1.219	0.121	22.1
Right side	20	QPSK 1_104	166300/831.5	100%	0.209	0.139	-0.15	24.14	25.00	1.219	0.255	22.1
Top side	20	QPSK 1_104	166300/831.5	100%	0.446	0.222	-0.11	24.14	25.00	1.219	0.544	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	20	QPSK 50_28	167800/839	100%	0.630	0.395	-0.01	24.05	25.00	1.245	0.784	22.1
Back side	20	QPSK 50_28	167800/839	100%	0.558	0.344	-0.07	24.05	25.00	1.245	0.694	22.1
Left side	20	QPSK 50_28	167800/839	100%	0.103	0.061	0.12	24.05	25.00	1.245	0.128	22.1
Right side	20	QPSK 50_28	167800/839	100%	0.207	0.138	-0.16	24.05	25.00	1.245	0.258	22.1
Top side	20	QPSK 50_28	167800/839	100%	0.431	0.215	-0.04	24.05	25.00	1.245	0.536	22.1

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9.2.24 SAR Result of NR Band n30

SA N30 SAR Test Record												
Ant2 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	10	QPSK 1_26	462000/2310	100%	0.243	0.144	-0.04	20.99	22.00	1.262	0.307	22.4
Left tilted	10	QPSK 1_26	462000/2310	100%	0.280	0.150	-0.09	20.99	22.00	1.262	0.353	22.4
Right cheek	10	QPSK 1_26	462000/2310	100%	0.898	0.423	-0.02	20.99	22.00	1.262	1.133	22.4
Right tilted	10	QPSK 1_26	462000/2310	100%	0.541	0.289	0.07	20.99	22.00	1.262	0.683	22.4
Right cheek-repeat	10	QPSK 1_26	462000/2310	100%	0.878	0.424	0.18	20.99	22.00	1.262	1.108	22.4
Head Test Data (50%RB) DSI4												
Left cheek	10	QPSK 25_14	462000/2310	100%	0.242	0.144	-0.02	20.92	22.00	1.282	0.310	22.4
Left tilted	10	QPSK 25_14	462000/2310	100%	0.274	0.147	0.13	20.92	22.00	1.282	0.351	22.4
Right cheek	10	QPSK 25_14	462000/2310	100%	0.864	0.460	0.00	20.92	22.00	1.282	1.108	22.4
Right tilted	10	QPSK 25_14	462000/2310	100%	0.505	0.269	0.00	20.92	22.00	1.282	0.648	22.4
Head Test Data (100%RB) DSI4												
Right cheek	10	QPSK 50_0	462000/2310	100%	0.669	0.327	0.10	19.81	21.00	1.315	0.880	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	10	QPSK 1_50	462000/2310	100%	0.305	0.167	0.10	23.89	24.00	1.026	0.313	22.1
Back side	10	QPSK 1_50	462000/2310	100%	0.332	0.169	-0.12	23.89	24.00	1.026	0.341	22.1
Left side	10	QPSK 1_50	462000/2310	100%	0.340	0.158	-0.05	23.89	24.00	1.026	0.349	22.1
Top side	10	QPSK 1_50	462000/2310	100%	0.198	0.103	-0.18	23.89	24.00	1.026	0.203	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	10	QPSK 25_14	462000/2310	100%	0.262	0.133	-0.06	23.67	24.00	1.079	0.283	22.1
Back side	10	QPSK 25_14	462000/2310	100%	0.275	0.139	-0.07	23.67	24.00	1.079	0.297	22.1
Left side	10	QPSK 25_14	462000/2310	100%	0.291	0.134	-0.17	23.67	24.00	1.079	0.314	22.1
Top side	10	QPSK 25_14	462000/2310	100%	0.183	0.096	0.18	23.67	24.00	1.079	0.197	22.1

Test Position	Channel/ Frequency	Measured SAR (1g)	1 st Repeated	Ratio
	(MHz)		SAR (1g)	
Right cheek	462000/2310	0.898	0.878	1.02

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9.2.25 SAR Result of NR Band n41

SA N41 SAR Test Record												
Ant2 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	100	QPSK 1_271	528000/2640	100%	0.102	0.048	0.19	16.87	17.50	1.156	0.118	22.4
Left tilted	100	QPSK 1_271	528000/2640	100%	0.064	0.031	0.09	16.87	17.50	1.156	0.074	22.4
Right cheek	100	QPSK 1_271	528000/2640	100%	0.537	0.207	-0.08	16.87	17.50	1.156	0.621	22.4
Right tilted	100	QPSK 1_271	528000/2640	100%	0.206	0.095	-0.01	16.87	17.50	1.156	0.238	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.127	0.061	-0.12	16.73	17.50	1.194	0.152	22.4
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.084	0.042	0.05	16.73	17.50	1.194	0.100	22.4
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.615	0.244	0.00	16.73	17.50	1.194	0.734	22.4
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.235	0.113	0.03	16.73	17.50	1.194	0.281	22.4
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.453	0.185	0.02	15.83	17.50	1.469	0.665	22.4
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.574	0.230	-0.16	16.68	17.50	1.208	0.693	22.4
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.638	0.250	0.17	16.66	17.50	1.213	0.774	22.4
Right cheek	100	QPSK 135_69	528000/2640	100%	0.635	0.250	-0.09	16.55	17.50	1.245	0.790	22.4
Head Test Data (50%RB) DSI4												
Right cheek	100	QPSK 270_0	523302/2616.51	100%	0.520	0.204	-0.01	15.74	16.50	1.191	0.619	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) Sensor on DSI1												
Front side	100	QPSK 1_271	528000/2640	100%	0.282	0.128	-0.13	20.91	21.50	1.146	0.323	22.1
Back side	100	QPSK 1_271	528000/2640	100%	0.386	0.184	0.00	20.91	21.50	1.146	0.442	22.1
Left side	100	QPSK 1_271	528000/2640	100%	0.605	0.265	-0.08	20.91	21.50	1.146	0.693	22.1
Top side	100	QPSK 1_271	528000/2640	100%	0.054	0.029	-0.01	20.91	21.50	1.146	0.062	22.1
Left side	100	QPSK 1_271	509202/2546.01	100%	0.576	0.261	-0.07	19.81	21.50	1.476	0.850	22.1
Left side	100	QPSK 1_271	513900/2569.5	100%	0.658	0.288	0.10	20.77	21.50	1.183	0.778	22.1
Left side	100	QPSK 1_137	518598/2592.99	100%	0.614	0.260	-0.02	20.80	21.50	1.175	0.721	22.1
Left side	100	QPSK 1_137	523302/2616.51	100%	0.680	0.297	0.04	20.80	21.50	1.175	0.799	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) Sensor on DSI1												
Front side	100	QPSK 135_69	523302/2616.51	100%	0.382	0.177	0.05	20.77	21.50	1.183	0.452	22.1
Back side	100	QPSK 135_69	523302/2616.51	100%	0.398	0.203	0.01	20.77	21.50	1.183	0.510	22.1
Left side	100	QPSK 135_69	523302/2616.51	100%	0.581	0.260	-0.07	20.77	21.50	1.183	0.687	22.1
Top side	100	QPSK 135_69	523302/2616.51	100%	0.064	0.026	-0.12	20.77	21.50	1.183	0.076	22.1
Left side	100	QPSK 135_69	509202/2546.01	100%	0.519	0.221	-0.08	19.88	21.50	1.452	0.754	22.1
Left side	100	QPSK 135_69	513900/2569.5	100%	0.500	0.212	-0.01	20.72	21.50	1.197	0.598	22.1
Left side	100	QPSK 135_69	518598/2592.99	100%	0.599	0.254	-0.12	20.71	21.50	1.199	0.719	22.1
Left side	100	QPSK 135_69	528000/2640	100%	0.698	0.296	0.15	20.73	21.50	1.194	0.833	22.1
Body worn&Hotspot Test data (Separate 10mm 100%RB) Sensor on DSI1												
Left side	100	QPSK 270_0	513900/2569.5	100%	0.522	0.221	-0.16	19.73	20.50	1.194	0.623	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Front side with 15mm	100	QPSK 1_271	528000/2640	100%	0.342	0.172	0.18	24.75	25.50	1.189	0.406	22.1



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Back side with 15mm	100	QPSK 1_271	528000/2640	100%	0.465	0.231	0.06	24.75	25.50	1.189	0.553	22.1
Left side with 19mm	100	QPSK 1_271	528000/2640	100%	0.500	0.258	-0.17	24.75	25.50	1.189	0.594	22.1
Top side with 10mm	100	QPSK 1_271	528000/2640	100%	0.152	0.080	0.02	24.75	25.50	1.189	0.181	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Front side with 15mm	100	QPSK 135_69	528000/2640	100%	0.431	0.215	0.14	24.78	25.50	1.180	0.509	22.1
Back side with 15mm	100	QPSK 135_69	528000/2640	100%	0.541	0.268	-0.18	24.78	25.50	1.180	0.639	22.1
Left side with 19mm	100	QPSK 135_69	528000/2640	100%	0.680	0.344	-0.07	24.78	25.50	1.180	0.803	22.1
Top side with 10mm	100	QPSK 135_69	528000/2640	100%	0.155	0.084	-0.10	24.78	25.50	1.180	0.183	22.1
Back side with 15mm	100	QPSK 135_69	509202/2546.01	100%	0.396	0.198	0.15	23.78	25.50	1.486	0.588	22.1
Back side with 15mm	100	QPSK 135_69	513900/2569.5	100%	0.476	0.239	-0.12	24.71	25.50	1.199	0.571	22.1
Back side with 15mm	100	QPSK 135_69	518598/2592.99	100%	0.561	0.282	0.19	24.72	25.50	1.197	0.671	22.1
Back side with 15mm	100	QPSK 135_69	523302/2616.51	100%	0.592	0.296	-0.19	24.75	25.50	1.189	0.704	22.1
Left side with 19mm	100	QPSK 135_69	509202/2546.01	100%	0.558	0.284	-0.09	23.78	25.50	1.486	0.829	22.1
Left side with 19mm	100	QPSK 135_69	513900/2569.5	100%	0.679	0.345	-0.10	24.71	25.50	1.199	0.814	22.1
Left side with 19mm	100	QPSK 135_69	518598/2592.99	100%	0.762	0.386	0.05	24.72	25.50	1.197	0.912	22.1
Left side with 19mm	100	QPSK 135_69	523302/2616.51	100%	0.797	0.416	0.13	24.75	25.50	1.189	0.947	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Left side with 19mm	100	QPSK 270_0	518598/2592.99	100%	0.564	0.286	0.01	23.63	24.50	1.222	0.689	22.1
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 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI1												
Left side	100	QPSK 1_271	528000/2640	100%	4.560	1.400	-0.05	20.91	21.50	1.146	1.604	22.1
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI1												
Left side	100	QPSK 135_69	523302/2616.51	100%	4.290	1.450	-0.04	20.77	21.50	1.183	1.715	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Left side with 19mm	100	QPSK 1_271	528000/2640	100%	0.500	0.258	0.07	24.75	25.50	1.189	0.307	22.1
Body worn&Hotspot Test data Sensor off DSI0												
Left side with 19mm	100	QPSK 135_69	528000/2640	100%	0.680	0.344	-0.03	24.78	25.50	1.180	0.406	22.1

(for original report SZCR240300076714)

SA N41 SAR Test Record												
Ant1 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 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI1												
Left side	100	QPSK 135_69	523302/2616.51	100%	4.060	1.420	-0.01	20.77	21.50	1.183	1.680	22.2

(for new report SZCR250500221411)



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9.2.26 SAR Result of NR Band n48

Ant3 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	40	QPSK 1_53	638000/3570	100%	0.599	0.297	0.19	20.43	20.50	1.016	0.609	22.4
Left tilted	40	QPSK 1_53	638000/3570	100%	0.197	0.094	0.09	20.43	20.50	1.016	0.200	22.4
Right cheek	40	QPSK 1_53	638000/3570	100%	0.741	0.302	-0.04	20.43	20.50	1.016	0.753	22.4
Right tilted	40	QPSK 1_53	638000/3570	100%	0.348	0.161	0.06	20.43	20.50	1.016	0.354	22.4
Head Test Data (50%RB) DSI4												
Left cheek	40	QPSK 50_28	638000/3570	100%	0.595	0.295	0.01	20.23	20.50	1.064	0.633	22.4
Left tilted	40	QPSK 50_28	638000/3570	100%	0.187	0.091	-0.08	20.23	20.50	1.064	0.199	22.4
Right cheek	40	QPSK 50_28	638000/3570	100%	0.753	0.321	-0.18	20.23	20.50	1.064	0.801	22.4
Right tilted	40	QPSK 50_28	638000/3570	100%	0.344	0.158	0.00	20.23	20.50	1.064	0.366	22.4
Right cheek	40	QPSK 50_28	641666/3624.99	100%	0.642	0.288	-0.04	19.65	20.50	1.216	0.781	22.4
Right cheek	40	QPSK 50_28	645332/3679.98	100%	0.742	0.320	0.01	20.15	20.50	1.084	0.804	22.4
Head Test Data (100%RB) DSI4												
Right cheek	40	QPSK 100_0	645332/3679.98	100%	0.688	0.251	-0.05	19.40	19.50	1.023	0.704	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	40	QPSK 1_1	645332/3679.98	100%	0.445	0.207	0.15	23.75	24.00	1.059	0.471	22.1
Back side	40	QPSK 1_1	645332/3679.98	100%	0.529	0.239	-0.07	23.75	24.00	1.059	0.560	22.1
Left side	40	QPSK 1_1	645332/3679.98	100%	0.633	0.292	0.07	23.75	24.00	1.059	0.671	22.1
Left side	40	QPSK 1_104	638000/3570	100%	0.621	0.285	-0.07	23.75	24.00	1.059	0.658	22.1
Left side	40	QPSK 1_104	641666/3624.99	100%	0.605	0.271	-0.05	23.53	24.00	1.114	0.674	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	40	QPSK 50_28	645332/3679.98	100%	0.492	0.228	-0.12	23.59	24.00	1.099	0.541	22.1
Back side	40	QPSK 50_28	645332/3679.98	100%	0.529	0.244	-0.12	23.59	24.00	1.099	0.581	22.1
Left side	40	QPSK 50_28	645332/3679.98	100%	0.681	0.316	0.02	23.59	24.00	1.099	0.748	22.1
Back side	40	QPSK 50_28	638000/3570	100%	0.475	0.215	-0.02	23.35	24.00	1.161	0.552	22.1
Back side	40	QPSK 50_28	641666/3624.99	100%	0.456	0.208	-0.14	23.30	24.00	1.175	0.536	22.1
Left side	40	QPSK 50_28	638000/3570	100%	0.689	0.329	-0.04	23.35	24.00	1.161	0.800	22.1
Left side	40	QPSK 50_28	641666/3624.99	100%	0.566	0.253	0.04	23.30	24.00	1.175	0.665	22.1

(for original report SZCR240300076714)



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9.2.27 SAR Result of NR Band n66

SA N66 SAR Test Record												
Ant2 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	30	QPSK 1_158	353000/1765	100%	0.404	0.265	-0.04	17.75	18.50	1.189	0.480	22.4
Left tilted	30	QPSK 1_158	353000/1765	100%	0.379	0.233	-0.03	17.75	18.50	1.189	0.450	22.4
Right cheek	30	QPSK 1_158	353000/1765	100%	0.800	0.460	0.19	17.75	18.50	1.189	0.951	22.4
Right tilted	30	QPSK 1_158	353000/1765	100%	0.513	0.296	-0.10	17.75	18.50	1.189	0.610	22.4
Right cheek	30	QPSK 1_79	345000/1725	100%	0.816	0.453	-0.04	17.45	18.50	1.274	1.039	22.5
Right cheek	30	QPSK 1_158	349000/1745	100%	0.783	0.450	0.13	17.66	18.50	1.213	0.950	22.4
Right cheek-repeat	30	QPSK 1_79	345000/1725	100%	0.808	0.466	-0.11	17.45	18.50	1.274	1.029	22.4
Head Test Data (50%RB) DSI4												
Left cheek	30	QPSK 80_40	353000/1765	100%	0.407	0.266	-0.08	17.71	18.50	1.199	0.488	22.4
Left tilted	30	QPSK 80_40	353000/1765	100%	0.369	0.229	-0.18	17.71	18.50	1.199	0.443	22.4
Right cheek	30	QPSK 80_40	353000/1765	100%	0.809	0.465	-0.05	17.71	18.50	1.199	0.970	22.4
Right tilted	30	QPSK 80_40	353000/1765	100%	0.526	0.305	-0.04	17.71	18.50	1.199	0.631	22.4
Right cheek	30	QPSK 80_40	345000/1725	100%	0.812	0.468	-0.10	17.53	18.50	1.250	1.015	22.4
Right cheek	30	QPSK 80_40	349000/1745	100%	0.800	0.460	-0.15	17.45	18.50	1.274	1.019	22.4
Head Test Data (100%RB) DSI4												
Right cheek	30	QPSK 160_0	353000/1765	100%	0.651	0.374	0.19	16.85	17.50	1.161	0.756	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	30	QPSK 1_158	349000/1745	100%	0.642	0.384	-0.06	22.65	23.50	1.216	0.781	22.1
Back side	30	QPSK 1_158	349000/1745	100%	0.655	0.384	-0.15	22.65	23.50	1.216	0.797	22.1
Left side	30	QPSK 1_158	349000/1745	100%	0.399	0.227	-0.11	22.65	23.50	1.216	0.485	22.1
Top side	30	QPSK 1_158	349000/1745	100%	0.750	0.416	-0.06	22.65	23.50	1.216	0.912	22.1
Top side	30	QPSK 1_79	345000/1725	100%	0.617	0.340	-0.02	22.49	23.50	1.262	0.779	22.1
Top side	30	QPSK 1_158	353000/1765	100%	0.755	0.431	-0.04	22.59	23.50	1.233	0.931	22.5
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	30	QPSK 80_40	353000/1765	100%	0.642	0.385	-0.15	22.68	23.50	1.208	0.775	22.1
Back side	30	QPSK 80_40	353000/1765	100%	0.717	0.418	-0.14	22.68	23.50	1.208	0.866	22.1
Left side	30	QPSK 80_40	353000/1765	100%	0.409	0.232	0.01	22.68	23.50	1.208	0.494	22.1
Top side	30	QPSK 80_40	353000/1765	100%	0.757	0.420	-0.15	22.68	23.50	1.208	0.914	22.1
Back side	30	QPSK 80_40	345000/1725	100%	0.633	0.363	0.16	22.45	23.50	1.274	0.806	22.1
Back side	30	QPSK 80_40	349000/1745	100%	0.681	0.391	0.00	22.50	23.50	1.259	0.857	22.1
Top side	30	QPSK 80_40	345000/1725	100%	0.632	0.350	-0.12	22.45	23.50	1.274	0.805	22.1
Top side	30	QPSK 80_40	349000/1745	100%	0.708	0.390	-0.01	22.50	23.50	1.259	0.891	22.1
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI0												
Back side	30	QPSK 160_0	353000/1765	100%	0.548	0.320	-0.04	21.72	22.50	1.197	0.656	22.1
Top side	30	QPSK 160_0	353000/1765	100%	0.628	0.347	-0.02	21.72	22.50	1.197	0.752	22.1



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Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	30	QPSK 1_158	349000/1745	100%	0.642	0.384	-0.06	22.65	22.50	0.966	0.620	22.1
Back side	30	QPSK 1_158	349000/1745	100%	0.655	0.384	-0.15	22.65	22.50	0.966	0.633	22.1
Left side	30	QPSK 1_158	349000/1745	100%	0.399	0.227	-0.11	22.65	22.50	0.966	0.385	22.1
Top side	30	QPSK 1_158	349000/1745	100%	0.750	0.416	-0.06	22.65	22.50	0.966	0.725	22.1
Top side	30	QPSK 1_79	345000/1725	100%	0.617	0.340	-0.02	22.49	22.50	1.002	0.618	22.1
Top side	30	QPSK 1_158	353000/1765	100%	0.755	0.431	-0.04	22.59	22.50	0.979	0.740	22.5
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	30	QPSK 80_40	353000/1765	100%	0.642	0.385	-0.15	22.68	22.50	0.959	0.616	22.1
Back side	30	QPSK 80_40	353000/1765	100%	0.717	0.418	-0.14	22.68	22.50	0.959	0.688	22.1
Left side	30	QPSK 80_40	353000/1765	100%	0.409	0.232	0.01	22.68	22.50	0.959	0.392	22.1
Top side	30	QPSK 80_40	353000/1765	100%	0.757	0.420	-0.15	22.68	22.50	0.959	0.726	22.1
Back side	30	QPSK 80_40	345000/1725	100%	0.633	0.363	0.16	22.45	22.50	1.012	0.640	22.1
Back side	30	QPSK 80_40	349000/1745	100%	0.681	0.391	0.00	22.50	22.50	1.000	0.681	22.1
Top side	30	QPSK 80_40	345000/1725	100%	0.632	0.350	-0.12	22.45	22.50	1.012	0.639	22.1
Top side	30	QPSK 80_40	349000/1745	100%	0.708	0.390	-0.01	22.50	22.50	1.000	0.708	22.1
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI2												
Back side	30	QPSK 160_0	353000/1765	100%	0.548	0.320	-0.04	21.72	22.50	1.197	0.656	22.1
Top side	30	QPSK 160_0	353000/1765	100%	0.628	0.347	-0.02	21.72	22.50	1.197	0.752	22.1

Test Position	Channel/ Frequency	Measured SAR (1g)	1 st Repeated	Ratio
	(MHz)		SAR (1g)	
Right cheek	345000/1725	0.816	0.808	1.01

(for original report SZCR240300076714)



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9.2.28 SAR Result of NR Band n70

SA N70 SAR Test Record												
Ant5 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	15	QPSK 1_77	340500/1702.5	100%	0.395	0.246	0.02	23.96	24.00	1.009	0.399	22.5
Left tilted	15	QPSK 1_77	340500/1702.5	100%	0.114	0.078	0.01	23.96	24.00	1.009	0.115	22.3
Right cheek	15	QPSK 1_77	340500/1702.5	100%	0.274	0.181	0.08	23.96	24.00	1.009	0.277	22.3
Right tilted	15	QPSK 1_77	340500/1702.5	100%	0.140	0.090	-0.17	23.96	24.00	1.009	0.141	22.3
Head Test Data (50%RB) DSI4												
Left cheek	15	QPSK 36_22	340500/1702.5	100%	0.368	0.230	0.15	23.74	24.00	1.062	0.391	22.3
Left tilted	15	QPSK 36_22	340500/1702.5	100%	0.110	0.074	-0.06	23.74	24.00	1.062	0.117	22.3
Right cheek	15	QPSK 36_22	340500/1702.5	100%	0.255	0.168	-0.10	23.74	24.00	1.062	0.271	22.3
Right tilted	15	QPSK 36_22	340500/1702.5	100%	0.124	0.080	0.13	23.74	24.00	1.062	0.132	22.3
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	15	QPSK 1_77	340500/1702.5	100%	0.590	0.353	-0.02	23.96	24.00	1.009	0.595	22.1
Back side	15	QPSK 1_77	340500/1702.5	100%	0.711	0.420	-0.02	23.96	24.00	1.009	0.718	22.1
Left side	15	QPSK 1_77	340500/1702.5	100%	0.589	0.330	-0.01	23.96	24.00	1.009	0.594	22.1
Bottom side	15	QPSK 1_77	340500/1702.5	100%	0.326	0.184	0.10	23.96	24.00	1.009	0.329	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	15	QPSK 36_22	340500/1702.5	100%	0.628	0.371	0.08	23.74	24.00	1.062	0.667	22.1
Back side	15	QPSK 36_22	340500/1702.5	100%	0.702	0.432	-0.04	23.74	24.00	1.062	0.745	22.5
Left side	15	QPSK 36_22	340500/1702.5	100%	0.603	0.342	0.11	23.74	24.00	1.062	0.640	22.1
Bottom side	15	QPSK 36_22	340500/1702.5	100%	0.318	0.181	0.10	23.74	24.00	1.062	0.338	22.1

(for original report SZCR240300076714)



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9.2.29 SAR Result of NR Band n71

SA N71 SAR Test Record												
Ant1 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	20	QPSK 1_1	134600/673	100%	0.777	0.433	-0.11	23.26	23.50	1.057	0.821	22.4
Left tilted	20	QPSK 1_1	134600/673	100%	0.657	0.351	0.00	23.26	23.50	1.057	0.694	22.4
Right cheek	20	QPSK 1_1	134600/673	100%	0.574	0.374	0.15	23.26	23.50	1.057	0.607	22.4
Right tilted	20	QPSK 1_1	134600/673	100%	0.446	0.283	0.11	23.26	23.50	1.057	0.471	22.4
Left cheek	20	QPSK 1_1	136100/680.5	100%	0.763	0.424	0.09	23.08	23.50	1.102	0.840	22.4
Left cheek	20	QPSK 1_1	137600/688	100%	0.720	0.407	0.08	22.95	23.50	1.135	0.817	22.4
Head Test Data (50%RB) DSI4												
Left cheek	20	QPSK 50_28	134600/673	100%	0.755	0.423	0.07	23.08	23.50	1.102	0.832	22.4
Left tilted	20	QPSK 50_28	134600/673	100%	0.645	0.347	0.18	23.08	23.50	1.102	0.710	22.4
Right cheek	20	QPSK 50_28	134600/673	100%	0.624	0.407	0.03	23.08	23.50	1.102	0.687	22.4
Right tilted	20	QPSK 50_28	134600/673	100%	0.425	0.271	0.14	23.08	23.50	1.102	0.468	22.4
Left cheek	20	QPSK 50_28	136100/680.5	100%	0.686	0.386	0.08	22.85	23.50	1.161	0.797	22.4
Left cheek	20	QPSK 50_28	137600/688	100%	0.702	0.396	0.00	22.92	23.50	1.143	0.802	22.4
Head Test Data (100%RB) DSI4												
Left cheek	20	QPSK 100_0	134600/673	100%	0.594	0.334	0.10	22.10	22.50	1.096	0.651	22.4
Head Test Data (1RB) DSI5												
Left cheek	20	QPSK 1_1	134600/673	100%	0.777	0.433	-0.11	23.26	22.50	0.839	0.652	22.4
Left tilted	20	QPSK 1_1	134600/673	100%	0.657	0.351	0.00	23.26	22.50	0.839	0.552	22.4
Right cheek	20	QPSK 1_1	134600/673	100%	0.574	0.374	0.15	23.26	22.50	0.839	0.482	22.4
Right tilted	20	QPSK 1_1	134600/673	100%	0.446	0.283	0.11	23.26	22.50	0.839	0.374	22.4
Left cheek	20	QPSK 1_1	136100/680.5	100%	0.763	0.424	0.09	23.08	22.50	0.875	0.668	22.4
Left cheek	20	QPSK 1_1	137600/688	100%	0.720	0.407	0.08	22.95	22.50	0.902	0.649	22.4
Head Test Data (50%RB) DSI5												
Left cheek	20	QPSK 50_28	134600/673	100%	0.755	0.423	0.07	23.08	22.50	0.875	0.661	22.4
Left tilted	20	QPSK 50_28	134600/673	100%	0.645	0.347	0.18	23.08	22.50	0.875	0.564	22.4
Right cheek	20	QPSK 50_28	134600/673	100%	0.624	0.407	0.03	23.08	22.50	0.875	0.546	22.4
Right tilted	20	QPSK 50_28	134600/673	100%	0.425	0.271	0.14	23.08	22.50	0.875	0.372	22.4
Left cheek	20	QPSK 50_28	136100/680.5	100%	0.686	0.386	0.08	22.85	22.50	0.923	0.633	22.4
Left cheek	20	QPSK 50_28	137600/688	100%	0.702	0.396	0.00	22.92	22.50	0.908	0.637	22.4
Head Test Data (100%RB) DSI5												
Left cheek	20	QPSK 100_0	134600/673	100%	0.594	0.334	0.10	22.10	21.50	0.871	0.517	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	20	QPSK 1_1	134600/673	100%	0.311	0.210	0.06	24.69	25.00	1.074	0.334	22.1
Back side	20	QPSK 1_1	134600/673	100%	0.316	0.222	-0.11	24.69	25.00	1.074	0.339	22.1
Left side	20	QPSK 1_1	134600/673	100%	0.094	0.064	0.05	24.69	25.00	1.074	0.101	22.1
Right side	20	QPSK 1_1	134600/673	100%	0.202	0.138	0.00	24.69	25.00	1.074	0.217	22.1
Top side	20	QPSK 1_1	134600/673	100%	0.202	0.103	-0.03	24.69	25.00	1.074	0.217	22.1



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Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	20	QPSK 50_28	134600/673	100%	0.332	0.215	-0.03	24.66	25.00	1.081	0.359	22.1
Back side	20	QPSK 50_28	134600/673	100%	0.313	0.221	0.01	24.66	25.00	1.081	0.338	22.1
Left side	20	QPSK 50_28	134600/673	100%	0.089	0.060	0.14	24.66	25.00	1.081	0.096	22.1
Right side	20	QPSK 50_28	134600/673	100%	0.190	0.131	-0.16	24.66	25.00	1.081	0.205	22.1
Top side	20	QPSK 50_28	134600/673	100%	0.208	0.105	0.11	24.66	25.00	1.081	0.225	22.1

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9.2.30 SAR Result of NR Band n77(3450-3550)SISO

SA N77 SAR Test Record												
Ant3 Test Record												
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI4												
Left cheek	100	OFDM QPSK 1_271	633334/3500	100%	0.422	0.212	-0.03	19.72	20.50	1.197	0.505	22.4
Left tilted	100	OFDM QPSK 1_271	633334/3500	100%	0.180	0.088	-0.04	19.72	20.50	1.197	0.215	22.4
Right cheek	100	OFDM QPSK 1_271	633334/3500	100%	0.623	0.277	0.12	19.72	20.50	1.197	0.746	22.4
Right tilted	100	OFDM QPSK 1_271	633334/3500	100%	0.321	0.148	0.13	19.72	20.50	1.197	0.384	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	OFDM QPSK 135_69	633334/3500	100%	0.435	0.227	-0.17	19.43	20.50	1.279	0.557	22.4
Left tilted	100	OFDM QPSK 135_69	633334/3500	100%	0.184	0.091	0.11	19.43	20.50	1.279	0.235	22.4
Right cheek	100	OFDM QPSK 135_69	633334/3500	100%	0.637	0.280	-0.04	19.43	20.50	1.279	0.815	22.4
Right tilted	100	OFDM QPSK 135_69	633334/3500	100%	0.321	0.151	-0.14	19.43	20.50	1.279	0.411	22.4
Head Test Data (100%RB) DSI4												
Right cheek	100	OFDM QPSK 270_0	633334/3500	100%	0.512	0.237	0.18	18.52	19.50	1.253	0.642	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	100	OFDM QPSK 1_271	633334/3500	100%	0.543	0.260	-0.05	23.12	24.00	1.225	0.665	22.1
Back side	100	OFDM QPSK 1_271	633334/3500	100%	0.899	0.425	-0.19	23.12	24.00	1.225	1.101	22.1
Left side	100	OFDM QPSK 1_271	633334/3500	100%	0.902	0.428	0.04	23.12	24.00	1.225	1.105	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	100	OFDM QPSK 135_69	633334/3500	100%	0.626	0.298	0.10	22.93	24.00	1.279	0.801	22.1
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.902	0.427	-0.12	22.93	24.00	1.279	1.154	22.1
Left side	100	OFDM QPSK 135_69	633334/3500	100%	0.909	0.437	-0.18	22.93	24.00	1.279	1.163	22.3
Left side-repeat	100	OFDM QPSK 135_69	633334/3500	100%	0.892	0.425	0.07	22.93	24.00	1.279	1.141	22.3
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI0												
Front side	100	OFDM QPSK 270_0	633334/3500	100%	0.528	0.247	0.14	22.13	23.00	1.222	0.645	22.1
Back side	100	OFDM QPSK 270_0	633334/3500	100%	0.844	0.394	0.00	22.13	23.00	1.222	1.031	22.1
Left side	100	OFDM QPSK 270_0	633334/3500	100%	0.910	0.422	0.07	22.13	23.00	1.222	1.112	22.1
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	100	OFDM QPSK 1_271	633334/3500	100%	0.543	0.260	-0.05	23.12	23.50	1.091	0.593	22.1
Back side	100	OFDM QPSK 1_271	633334/3500	100%	0.899	0.425	-0.19	23.12	23.50	1.091	0.981	22.1
Left side	100	OFDM QPSK 1_271	633334/3500	100%	0.902	0.428	0.04	23.12	23.50	1.091	0.984	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	100	OFDM QPSK 135_69	633334/3500	100%	0.626	0.298	0.10	22.93	23.50	1.140	0.714	22.1
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.902	0.427	-0.12	22.93	23.50	1.140	1.029	22.1
Left side	100	OFDM QPSK 135_69	633334/3500	100%	0.909	0.437	-0.18	22.93	23.50	1.140	1.036	22.3
Left side-repeat	100	OFDM QPSK 135_69	633334/3500	100%	0.892	0.425	0.07	22.93	23.50	1.140	1.017	22.3
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI2												
Front side	100	OFDM QPSK 270_0	633334/3500	100%	0.528	0.247	0.14	22.13	22.50	1.089	0.575	22.1
Back side	100	OFDM QPSK 270_0	633334/3500	100%	0.844	0.394	0.00	22.13	22.50	1.089	0.919	22.1
Left side	100	OFDM QPSK 270_0	633334/3500	100%	0.910	0.422	0.07	22.13	22.50	1.089	0.991	22.1



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Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data(1RB) DSI												
Left cheek	100	OFDM QPSK 1_1	633334/3500	100%	0.413	0.194	-0.07	19.92	20.00	1.019	0.421	22.4
Left tilted	100	OFDM QPSK 1_1	633334/3500	100%	0.284	0.128	-0.02	19.92	20.00	1.019	0.289	22.4
Right cheek	100	OFDM QPSK 1_1	633334/3500	100%	0.510	0.226	0.07	19.92	20.00	1.019	0.519	22.4
Right tilted	100	OFDM QPSK 1_1	633334/3500	100%	0.167	0.079	0.07	19.92	20.00	1.019	0.170	22.4
Head Test Data(50%RB) DSI												
Left cheek	100	OFDM QPSK 135_69	633334/3500	100%	0.440	0.208	-0.04	19.67	20.00	1.079	0.475	22.4
Left tilted	100	OFDM QPSK 135_69	633334/3500	100%	0.293	0.131	-0.03	19.67	20.00	1.079	0.316	22.4
Right cheek	100	OFDM QPSK 135_69	633334/3500	100%	0.507	0.225	-0.18	19.67	20.00	1.079	0.547	22.4
Right tilted	100	OFDM QPSK 135_69	633334/3500	100%	0.162	0.076	0.03	19.67	20.00	1.079	0.175	22.4
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI 0												
Front side	100	OFDM QPSK 1_1	633334/3500	100%	0.483	0.210	0.11	22.86	23.00	1.033	0.499	22.1
Back side	100	OFDM QPSK 1_1	633334/3500	100%	0.858	0.347	-0.03	22.86	23.00	1.033	0.886	22.1
Right side	100	OFDM QPSK 1_1	633334/3500	100%	0.824	0.357	0.08	22.86	23.00	1.033	0.851	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI 0												
Front side	100	OFDM QPSK 135_69	633334/3500	100%	0.449	0.199	-0.15	22.77	23.00	1.054	0.473	22.1
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.771	0.320	0.06	22.77	23.00	1.054	0.813	22.1
Right side	100	OFDM QPSK 135_69	633334/3500	100%	0.755	0.326	-0.02	22.77	23.00	1.054	0.796	22.1
Body worn&Hotspot Test data(Separate 10mm 100%RB) DSI 0												
Back side	100	OFDM QPSK 270_0	633334/3500	100%	0.643	0.261	-0.09	21.62	22.00	1.091	0.702	22.1
Right side	100	OFDM QPSK 270_0	633334/3500	100%	0.595	0.257	-0.17	21.62	22.00	1.091	0.649	22.1
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI 0												
Front side	100	OFDM QPSK 1_1	633334/3500	100%	0.483	0.210	-0.10	22.86	22.50	0.920	0.445	22.1
Back side	100	OFDM QPSK 1_1	633334/3500	100%	0.858	0.347	-0.08	22.86	22.50	0.920	0.790	22.1
Right side	100	OFDM QPSK 1_1	633334/3500	100%	0.824	0.357	-0.06	22.86	22.50	0.920	0.758	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI 0												
Front side	100	OFDM QPSK 135_69	633334/3500	100%	0.449	0.199	0.06	22.77	22.50	0.940	0.422	22.1
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.771	0.320	0.00	22.77	22.50	0.940	0.725	22.1
Right side	100	OFDM QPSK 135_69	633334/3500	100%	0.755	0.326	-0.19	22.77	22.50	0.940	0.709	22.1
Body worn&Hotspot Test data(Separate 10mm 100%RB) DSI 0												
Back side	100	OFDM QPSK 270_0	633334/3500	100%	0.643	0.261	-0.10	21.62	21.50	0.973	0.625	22.1
Right side	100	OFDM QPSK 270_0	633334/3500	100%	0.595	0.257	0.08	21.62	21.50	0.973	0.579	22.1

Test Position	Channel/ Frequency (MHz)	Measured SAR (1g)	1 st Repeated SAR (1g)	Ratio
Left side	633334/3500	0.909	0.892	1.02

(for original report SZCR240300076714)



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9.2.31 SAR Result of NR Band n77(3700-3980)SISO

SA N77 SAR Test Record												
Ant3 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	100	OFDM QPSK 1_271	662000/3930	100%	0.411	0.174	0.16	20.57	21.00	1.104	0.454	22.4
Left tilted	100	OFDM QPSK 1_271	662000/3930	100%	0.120	0.054	0.02	20.57	21.00	1.104	0.132	22.4
Right cheek	100	OFDM QPSK 1_271	662000/3930	100%	0.683	0.260	-0.04	20.57	21.00	1.104	0.754	22.4
Right tilted	100	OFDM QPSK 1_271	662000/3930	100%	0.192	0.087	-0.04	20.57	21.00	1.104	0.212	22.4
Left cheek	100	OFDM QPSK 1_137	650000/3750	100%	0.399	0.187	0.09	20.37	21.00	1.156	0.461	22.4
Left cheek	100	OFDM QPSK 1_1	652400/3786	100%	0.388	0.183	-0.10	20.15	21.00	1.216	0.472	22.4
Left cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.494	0.218	0.05	20.56	21.00	1.107	0.547	22.4
Left cheek	100	OFDM QPSK 1_271	657200/3858	100%	0.489	0.214	-0.02	20.37	21.00	1.156	0.565	22.4
Left cheek	100	OFDM QPSK 1_271	659600/3894	100%	0.465	0.200	-0.13	20.38	21.00	1.153	0.536	22.4
Right cheek	100	OFDM QPSK 1_137	650000/3750	100%	0.867	0.323	0.07	20.37	21.00	1.156	1.002	22.4
Right cheek	100	OFDM QPSK 1_1	652400/3786	100%	0.893	0.332	0.00	20.15	21.00	1.216	1.086	22.4
Right cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.913	0.346	0.08	20.56	21.00	1.107	1.010	22.4
Right cheek	100	OFDM QPSK 1_271	657200/3858	100%	0.893	0.340	0.02	20.37	21.00	1.156	1.032	22.4
Right cheek	100	OFDM QPSK 1_271	659600/3894	100%	0.796	0.304	0.07	20.38	21.00	1.153	0.918	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	OFDM QPSK 135_69	650000/3750	100%	0.405	0.189	0.00	20.40	21.00	1.148	0.465	22.4
Left tilted	100	OFDM QPSK 135_69	650000/3750	100%	0.142	0.065	-0.15	20.40	21.00	1.148	0.163	22.4
Right cheek	100	OFDM QPSK 135_69	650000/3750	100%	0.877	0.325	-0.05	20.40	21.00	1.148	1.007	22.4
Right tilted	100	OFDM QPSK 135_69	650000/3750	100%	0.258	0.119	0.07	20.40	21.00	1.148	0.296	22.4
Left cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.439	0.201	0.16	19.93	21.00	1.279	0.562	22.4
Left cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.457	0.206	-0.01	20.19	21.00	1.205	0.551	22.4
Left cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.471	0.210	-0.13	20.12	21.00	1.225	0.577	22.4
Left cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.481	0.212	-0.09	20.23	21.00	1.194	0.574	22.4
Left cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.497	0.215	-0.10	20.17	21.00	1.211	0.602	22.4
Right cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.940	0.403	0.09	19.95	21.00	1.274	1.197	22.4
Right cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.959	0.356	-0.07	20.19	21.00	1.205	1.156	22.4
Right cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.938	0.350	-0.11	20.12	21.00	1.225	1.149	22.4
Right cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.913	0.345	-0.11	20.23	21.00	1.194	1.090	22.4
Right cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.826	0.314	0.13	20.17	21.00	1.211	1.000	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	OFDM QPSK 270_0	654800/3822	100%	0.359	0.162	0.15	19.66	20.00	1.081	0.388	22.4
Right cheek	100	OFDM QPSK 270_0	654800/3822	100%	0.755	0.281	-0.16	19.66	20.00	1.081	0.816	22.4
Head Test Data (1RB) DSI5												
Left cheek	100	OFDM QPSK 1_271	662000/3930	100%	0.411	0.174	0.16	20.57	20.00	0.877	0.360	22.4
Left tilted	100	OFDM QPSK 1_271	662000/3930	100%	0.120	0.054	0.02	20.57	20.00	0.877	0.105	22.4
Right cheek	100	OFDM QPSK 1_271	662000/3930	100%	0.683	0.260	-0.04	20.57	20.00	0.877	0.599	22.4
Right tilted	100	OFDM QPSK 1_271	662000/3930	100%	0.192	0.087	-0.04	20.57	20.00	0.877	0.168	22.4



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Left cheek	100	OFDM QPSK 1_137	650000/3750	100%	0.399	0.187	0.09	20.37	20.00	0.918	0.366	22.4
Left cheek	100	OFDM QPSK 1_1	652400/3786	100%	0.388	0.183	-0.10	20.15	20.00	0.966	0.375	22.4
Left cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.494	0.218	0.05	20.56	20.00	0.879	0.434	22.4
Left cheek	100	OFDM QPSK 1_271	657200/3858	100%	0.489	0.214	-0.02	20.37	20.00	0.918	0.449	22.4
Left cheek	100	OFDM QPSK 1_271	659600/3894	100%	0.465	0.200	-0.13	20.38	20.00	0.916	0.426	22.4
Right cheek	100	OFDM QPSK 1_137	650000/3750	100%	0.867	0.323	0.07	20.37	20.00	0.918	0.796	22.4
Right cheek	100	OFDM QPSK 1_1	652400/3786	100%	0.893	0.332	0.00	20.15	20.00	0.966	0.863	22.4
Right cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.913	0.346	0.08	20.56	20.00	0.879	0.803	22.4
Right cheek	100	OFDM QPSK 1_271	657200/3858	100%	0.893	0.340	0.02	20.37	20.00	0.918	0.820	22.4
Right cheek	100	OFDM QPSK 1_271	659600/3894	100%	0.796	0.304	0.07	20.38	20.00	0.916	0.729	22.4
Head Test Data (50%RB) DSI5												
Left cheek	100	OFDM QPSK 135_69	650000/3750	100%	0.405	0.189	0.00	20.40	20.00	0.912	0.369	22.4
Left tilted	100	OFDM QPSK 135_69	650000/3750	100%	0.142	0.065	-0.15	20.40	20.00	0.912	0.130	22.4
Right cheek	100	OFDM QPSK 135_69	650000/3750	100%	0.877	0.325	-0.05	20.40	20.00	0.912	0.800	22.4
Right tilted	100	OFDM QPSK 135_69	650000/3750	100%	0.258	0.119	0.07	20.40	20.00	0.912	0.235	22.4
Left cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.439	0.201	0.16	19.93	20.00	1.016	0.446	22.4
Left cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.457	0.206	-0.01	20.19	20.00	0.957	0.437	22.4
Left cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.471	0.210	-0.13	20.12	20.00	0.973	0.458	22.4
Left cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.481	0.212	-0.09	20.23	20.00	0.948	0.456	22.4
Left cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.497	0.215	-0.10	20.17	20.00	0.962	0.478	22.4
Right cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.940	0.403	0.09	19.95	20.00	1.012	0.951	22.4
Right cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.959	0.356	-0.07	20.19	20.00	0.957	0.918	22.4
Right cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.938	0.350	-0.11	20.12	20.00	0.973	0.912	22.4
Right cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.913	0.345	-0.11	20.23	20.00	0.948	0.866	22.4
Right cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.826	0.314	0.13	20.17	20.00	0.962	0.794	22.4
Head Test Data (50%RB) DSI5												
Left cheek	100	OFDM QPSK 270_0	654800/3822	100%	0.359	0.162	0.15	19.66	19.00	0.859	0.308	22.4
Right cheek	100	OFDM QPSK 270_0	654800/3822	100%	0.755	0.281	-0.16	19.66	19.00	0.859	0.649	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	100	OFDM QPSK 1_271	662000/3930	100%	0.556	0.256	0.12	24.00	24.50	1.122	0.624	22.1
Back side	100	OFDM QPSK 1_271	662000/3930	100%	0.584	0.259	0.16	24.00	24.50	1.122	0.655	22.1
Left side	100	OFDM QPSK 1_271	662000/3930	100%	0.610	0.280	0.09	24.00	24.50	1.122	0.684	22.1
Front side	100	OFDM QPSK 1_271	650000/3750	100%	0.798	0.378	0.07	23.89	24.50	1.151	0.918	22.1
Front side	100	OFDM QPSK 1_271	652400/3786	100%	0.790	0.371	-0.03	23.66	24.50	1.213	0.959	22.1
Front side	100	OFDM QPSK 1_271	654800/3822	100%	0.813	0.372	-0.14	23.94	24.50	1.138	0.925	22.1
Front side	100	OFDM QPSK 1_271	657200/3858	100%	0.781	0.355	-0.08	23.98	24.50	1.127	0.880	22.1
Front side	100	OFDM QPSK 1_271	659600/3894	100%	0.681	0.305	-0.02	23.95	24.50	1.135	0.773	22.1
Back side	100	OFDM QPSK 1_271	650000/3750	100%	0.847	0.377	0.13	23.89	24.50	1.151	0.975	22.1
Back side	100	OFDM QPSK 1_271	652400/3786	100%	0.921	0.408	0.07	23.66	24.50	1.213	1.118	22.1
Back side	100	OFDM QPSK 1_271	654800/3822	100%	0.938	0.411	0.19	23.94	24.50	1.138	1.067	22.1
Back side	100	OFDM QPSK 1_271	657200/3858	100%	0.930	0.410	-0.02	23.98	24.50	1.127	1.048	22.1
Back side	100	OFDM QPSK 1_271	659600/3894	100%	0.701	0.316	-0.07	23.95	24.50	1.135	0.796	22.1
Left side	100	OFDM QPSK 1_271	650000/3750	100%	0.955	0.444	-0.03	23.89	24.50	1.151	1.099	22.1
Left side	100	OFDM QPSK 1_271	652400/3786	100%	0.985	0.452	-0.10	23.66	24.50	1.213	1.195	22.1



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Left side	100	OFDM QPSK 1_271	654800/3822	100%	1.021	0.467	0.14	23.94	24.50	1.138	1.162	22.1
Left side	100	OFDM QPSK 1_271	657200/3858	100%	0.963	0.442	-0.08	23.98	24.50	1.127	1.085	22.1
Left side	100	OFDM QPSK 1_271	659600/3894	100%	0.825	0.380	-0.16	23.95	24.50	1.135	0.936	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	100	OFDM QPSK 135_69	650000/3750	100%	0.666	0.315	-0.08	23.92	24.50	1.143	0.761	22.1
Back side	100	OFDM QPSK 135_69	650000/3750	100%	0.691	0.316	0.07	23.92	24.50	1.143	0.790	22.1
Left side	100	OFDM QPSK 135_69	650000/3750	100%	0.996	0.455	0.09	23.92	24.50	1.143	1.138	22.1
Front side	100	OFDM QPSK 135_69	652400/3786	100%	0.737	0.344	0.19	23.47	24.50	1.268	0.934	22.1
Front side	100	OFDM QPSK 135_69	654800/3822	100%	0.784	0.365	0.18	23.84	24.50	1.164	0.913	22.1
Front side	100	OFDM QPSK 135_69	657200/3858	100%	0.819	0.378	-0.12	23.76	24.50	1.186	0.971	22.1
Front side	100	OFDM QPSK 135_69	659600/3894	100%	0.712	0.334	0.05	23.76	24.50	1.186	0.844	22.1
Front side	100	OFDM QPSK 135_69	662000/3930	100%	0.635	0.298	-0.12	23.84	24.50	1.164	0.739	22.1
Back side	100	OFDM QPSK 135_69	652400/3786	100%	0.808	0.349	-0.12	23.47	24.50	1.268	1.024	22.1
Back side	100	OFDM QPSK 135_69	654800/3822	100%	0.905	0.389	-0.06	23.84	24.50	1.164	1.054	22.1
Back side	100	OFDM QPSK 135_69	657200/3858	100%	0.930	0.402	-0.09	23.76	24.50	1.186	1.103	22.1
Back side	100	OFDM QPSK 135_69	659600/3894	100%	0.888	0.396	0.18	23.76	24.50	1.186	1.053	22.1
Back side	100	OFDM QPSK 135_69	662000/3930	100%	0.717	0.311	-0.01	23.84	24.50	1.164	0.835	22.1
Left side	100	OFDM QPSK 135_69	652400/3786	100%	0.880	0.406	-0.08	23.47	24.50	1.268	1.116	22.1
Left side	100	OFDM QPSK 135_69	654800/3822	100%	0.979	0.446	0.16	23.84	24.50	1.164	1.140	22.1
Left side	100	OFDM QPSK 135_69	657200/3858	100%	0.963	0.431	-0.01	23.76	24.50	1.186	1.142	22.1
Left side	100	OFDM QPSK 135_69	659600/3894	100%	1.010	0.469	-0.09	23.76	24.50	1.186	1.198	22.3
Left side	100	OFDM QPSK 135_69	662000/3930	100%	0.772	0.339	-0.12	23.84	24.50	1.164	0.899	22.1
Left side-repeat	100	OFDM QPSK 135_69	659600/3894	100%	0.988	0.456	-0.07	23.76	24.50	1.186	1.172	22.3
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI0												
Front side	100	OFDM QPSK 270_0	659600/3894	100%	0.610	0.276	0.09	22.97	23.50	1.130	0.689	22.1
Back side	100	OFDM QPSK 270_0	659600/3894	100%	0.681	0.305	-0.14	22.97	23.50	1.130	0.769	22.1
Left side	100	OFDM QPSK 270_0	659600/3894	100%	0.778	0.339	0.10	22.97	23.50	1.130	0.879	22.1
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	100	OFDM QPSK 1_271	662000/3930	100%	0.556	0.256	0.12	24.00	23.50	0.891	0.496	22.1
Back side	100	OFDM QPSK 1_271	662000/3930	100%	0.584	0.259	0.16	24.00	23.50	0.891	0.520	22.1
Left side	100	OFDM QPSK 1_271	662000/3930	100%	0.610	0.280	0.09	24.00	23.50	0.891	0.544	22.1
Front side	100	OFDM QPSK 1_271	650000/3750	100%	0.798	0.378	0.07	23.89	23.50	0.914	0.729	22.1
Front side	100	OFDM QPSK 1_271	652400/3786	100%	0.790	0.371	-0.03	23.66	23.50	0.964	0.761	22.1
Front side	100	OFDM QPSK 1_271	654800/3822	100%	0.813	0.372	-0.14	23.94	23.50	0.904	0.735	22.1
Front side	100	OFDM QPSK 1_271	657200/3858	100%	0.781	0.355	-0.08	23.98	23.50	0.895	0.699	22.1
Front side	100	OFDM QPSK 1_271	659600/3894	100%	0.681	0.305	-0.02	23.95	23.50	0.902	0.614	22.1
Back side	100	OFDM QPSK 1_271	650000/3750	100%	0.847	0.377	0.13	23.89	23.50	0.914	0.774	22.1
Back side	100	OFDM QPSK 1_271	652400/3786	100%	0.921	0.408	0.07	23.66	23.50	0.964	0.888	22.1
Back side	100	OFDM QPSK 1_271	654800/3822	100%	0.938	0.411	0.19	23.94	23.50	0.904	0.848	22.1
Back side	100	OFDM QPSK 1_271	657200/3858	100%	0.930	0.410	-0.02	23.98	23.50	0.895	0.833	22.1
Back side	100	OFDM QPSK 1_271	659600/3894	100%	0.701	0.316	-0.07	23.95	23.50	0.902	0.632	22.1
Left side	100	OFDM QPSK 1_271	650000/3750	100%	0.955	0.444	-0.03	23.89	23.50	0.914	0.873	22.1
Left side	100	OFDM QPSK 1_271	652400/3786	100%	0.985	0.452	-0.10	23.66	23.50	0.964	0.949	22.1
Left side	100	OFDM QPSK 1_271	654800/3822	100%	1.021	0.467	0.14	23.94	23.50	0.904	0.923	22.1



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Left side	100	OFDM QPSK 1_271	657200/3858	100%	0.963	0.442	-0.08	23.98	23.50	0.895	0.862	22.1
Left side	100	OFDM QPSK 1_271	659600/3894	100%	0.825	0.380	-0.16	23.95	23.50	0.902	0.744	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	100	OFDM QPSK 135_69	650000/3750	100%	0.666	0.315	-0.08	23.92	23.50	0.908	0.605	22.1
Back side	100	OFDM QPSK 135_69	650000/3750	100%	0.691	0.316	0.07	23.92	23.50	0.908	0.627	22.1
Left side	100	OFDM QPSK 135_69	650000/3750	100%	0.996	0.455	0.09	23.92	23.50	0.908	0.904	22.1
Front side	100	OFDM QPSK 135_69	652400/3786	100%	0.737	0.344	0.19	23.47	23.50	1.007	0.742	22.1
Front side	100	OFDM QPSK 135_69	654800/3822	100%	0.784	0.365	0.18	23.84	23.50	0.925	0.725	22.1
Front side	100	OFDM QPSK 135_69	657200/3858	100%	0.819	0.378	-0.12	23.76	23.50	0.942	0.771	22.1
Front side	100	OFDM QPSK 135_69	659600/3894	100%	0.712	0.334	0.05	23.76	23.50	0.942	0.671	22.1
Front side	100	OFDM QPSK 135_69	662000/3930	100%	0.635	0.298	-0.12	23.84	23.50	0.925	0.587	22.1
Back side	100	OFDM QPSK 135_69	652400/3786	100%	0.808	0.349	-0.12	23.47	23.50	1.007	0.814	22.1
Back side	100	OFDM QPSK 135_69	654800/3822	100%	0.905	0.389	-0.06	23.84	23.50	0.925	0.837	22.1
Back side	100	OFDM QPSK 135_69	657200/3858	100%	0.930	0.402	-0.09	23.76	23.50	0.942	0.876	22.1
Back side	100	OFDM QPSK 135_69	659600/3894	100%	0.888	0.396	0.18	23.76	23.50	0.942	0.836	22.1
Back side	100	OFDM QPSK 135_69	662000/3930	100%	0.717	0.311	-0.01	23.84	23.50	0.925	0.663	22.1
Left side	100	OFDM QPSK 135_69	652400/3786	100%	0.880	0.406	-0.08	23.47	23.50	1.007	0.886	22.1
Left side	100	OFDM QPSK 135_69	654800/3822	100%	0.979	0.446	0.16	23.84	23.50	0.925	0.905	22.1
Left side	100	OFDM QPSK 135_69	657200/3858	100%	0.963	0.431	-0.01	23.76	23.50	0.942	0.907	22.1
Left side	100	OFDM QPSK 135_69	659600/3894	100%	1.010	0.469	-0.09	23.76	23.50	0.942	0.951	22.3
Left side	100	OFDM QPSK 135_69	662000/3930	100%	0.772	0.339	-0.12	23.84	23.50	0.925	0.714	22.1
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI2												
Front side	100	OFDM QPSK 270_0	659600/3894	100%	0.610	0.276	0.09	22.97	22.50	0.897	0.547	22.1
Back side	100	OFDM QPSK 270_0	659600/3894	100%	0.681	0.305	-0.14	22.97	22.50	0.897	0.611	22.1
Left side	100	OFDM QPSK 270_0	659600/3894	100%	0.778	0.339	0.10	22.97	22.50	0.897	0.698	22.1
Ant7 Test Record												
Test position	BW.	Modulation	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) DSI4												
Left cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.509	0.235	0.14	23.27	24.00	1.183	0.602	22.4
Left tilted	100	OFDM QPSK 1_271	654800/3822	100%	0.354	0.156	-0.04	23.27	24.00	1.183	0.419	22.4
Right cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.663	0.278	-0.07	23.27	24.00	1.183	0.784	22.4
Right tilted	100	OFDM QPSK 1_271	654800/3822	100%	0.167	0.080	0.13	23.27	24.00	1.183	0.198	22.4
Left cheek	100	OFDM QPSK 1_271	650000/3750	100%	0.687	0.281	0.16	22.93	24.00	1.279	0.879	22.3
Left cheek	100	OFDM QPSK 1_271	652400/3786	100%	0.481	0.206	-0.06	23.17	24.00	1.211	0.582	22.4
Left cheek	100	OFDM QPSK 1_137	657200/3858	100%	0.442	0.186	-0.17	23.26	24.00	1.186	0.524	22.4
Left cheek	100	OFDM QPSK 1_137	659600/3894	100%	0.449	0.185	-0.05	23.16	24.00	1.213	0.545	22.4
Left cheek	100	OFDM QPSK 1_1	662000/3930	100%	0.481	0.194	-0.01	23.16	24.00	1.213	0.584	22.4
Left tilted	100	OFDM QPSK 1_271	650000/3750	100%	0.501	0.205	-0.09	22.93	24.00	1.279	0.641	22.3
Left tilted	100	OFDM QPSK 1_271	652400/3786	100%	0.350	0.150	0.19	23.17	24.00	1.211	0.424	22.4
Left tilted	100	OFDM QPSK 1_137	657200/3858	100%	0.323	0.135	-0.13	23.26	24.00	1.186	0.383	22.4
Left tilted	100	OFDM QPSK 1_137	659600/3894	100%	0.327	0.135	-0.08	23.16	24.00	1.213	0.397	22.4
Left tilted	100	OFDM QPSK 1_1	662000/3930	100%	0.350	0.142	0.16	23.16	24.00	1.213	0.425	22.4



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