

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

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

Report No.: SZCR250100029101

Page: 135 of 213

8.2.16 SAR Result of NR Band n41

N41 SAR Test Record												
Ant11 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) DSI 2												
Left cheek	100	QPSK 1_1	513900/2569.5	100%	0.253	0.120	0.01	17.63	18.50	1.222	0.309	22.2
Left tilted	100	QPSK 1_1	513900/2569.5	100%	0.056	0.033	-0.10	17.63	18.50	1.222	0.068	22.2
Right cheek	100	QPSK 1_1	513900/2569.5	100%	0.566	0.255	-0.17	17.63	18.50	1.222	0.692	22.2
Right tilted	100	QPSK 1_1	513900/2569.5	100%	0.120	0.063	-0.16	17.63	18.50	1.222	0.147	22.2
Right cheek	100	QPSK 1_1	509202/2546.01	100%	0.377	0.175	-0.08	17.57	18.50	1.239	0.467	22.2
Right cheek	100	QPSK 1_137	518598/2592.99	100%	0.768	0.290	0.07	17.46	18.50	1.271	0.976	22.2
Right cheek	100	QPSK 1_137	523302/2616.51	100%	0.634	0.276	-0.10	17.44	18.50	1.276	0.809	22.2
Right cheek	100	QPSK 1_271	528000/2640	100%	0.387	0.169	0.01	17.50	18.50	1.259	0.487	22.2
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	509202/2546.01	100%	0.310	0.147	0.12	17.55	18.50	1.245	0.386	22.2
Left tilted	100	QPSK 135_69	509202/2546.01	100%	0.070	0.038	0.10	17.55	18.50	1.245	0.087	22.2
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.742	0.318	-0.06	17.55	18.50	1.245	0.923	22.2
Right tilted	100	QPSK 135_69	509202/2546.01	100%	0.144	0.074	0.02	17.55	18.50	1.245	0.179	22.2
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.728	0.320	-0.13	17.46	18.50	1.271	0.925	22.2
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.701	0.306	-0.16	17.50	18.50	1.259	0.883	22.2
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.631	0.276	-0.06	17.41	18.50	1.285	0.811	22.2
Right cheek	100	QPSK 135_69	528000/2640	100%	0.548	0.238	0.02	17.52	18.50	1.253	0.687	22.2
Head Test Data (100%RB) DSI 2												
Right cheek	100	QPSK 270_0	513900/2569.5	100%	0.551	0.242	-0.17	16.50	17.50	1.259	0.694	22.2
Head Test Data (1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_1	513900/2569.5	100%	0.253	0.120	0.01	17.63	15.50	0.612	0.155	22.2
Left tilted	100	QPSK 1_1	513900/2569.5	100%	0.056	0.033	-0.10	17.63	15.50	0.612	0.034	22.2
Right cheek	100	QPSK 1_1	513900/2569.5	100%	0.566	0.255	-0.17	17.63	15.50	0.612	0.347	22.2
Right tilted	100	QPSK 1_1	513900/2569.5	100%	0.120	0.063	-0.16	17.63	15.50	0.612	0.073	22.2
Right cheek	100	QPSK 1_1	509202/2546.01	100%	0.377	0.175	-0.08	17.57	15.50	0.621	0.234	22.2
Right cheek	100	QPSK 1_137	518598/2592.99	100%	0.768	0.290	0.07	17.46	15.50	0.637	0.489	22.2
Right cheek	100	QPSK 1_137	523302/2616.51	100%	0.634	0.276	-0.10	17.44	15.50	0.640	0.406	22.2
Right cheek	100	QPSK 1_271	528000/2640	100%	0.387	0.169	0.01	17.50	15.50	0.631	0.244	22.2
Head Test Data (50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	509202/2546.01	100%	0.310	0.147	0.12	17.55	15.50	0.624	0.193	22.2
Left tilted	100	QPSK 135_69	509202/2546.01	100%	0.070	0.038	0.10	17.55	15.50	0.624	0.044	22.2
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.742	0.318	-0.06	17.55	15.50	0.624	0.463	22.2
Right tilted	100	QPSK 135_69	509202/2546.01	100%	0.144	0.074	0.02	17.55	15.50	0.624	0.090	22.2
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.728	0.320	-0.13	17.46	15.50	0.637	0.464	22.2
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.701	0.306	-0.16	17.50	15.50	0.631	0.442	22.2
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.631	0.276	-0.06	17.41	15.50	0.644	0.406	22.2
Right cheek	100	QPSK 135_69	528000/2640	100%	0.548	0.238	0.02	17.52	15.50	0.628	0.344	22.2



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

Report No.: SZCR250100029101

Page: 136 of 213

Head Test Data (100%RB) DSI 2 with ENDC												
Right cheek	100	QPSK 270_0	513900/2569.5	100%	0.551	0.242	-0.17	16.50	14.50	0.631	0.348	22.2
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_1	509202/2546.01	100%	0.199	0.092	0.10	23.17	24.00	1.211	0.241	22.2
Back side	100	QPSK 1_1	509202/2546.01	100%	0.329	0.161	-0.02	23.17	24.00	1.211	0.398	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	528000/2640	100%	0.235	0.112	-0.09	23.05	24.00	1.245	0.292	22.2
Back side	100	QPSK 135_69	528000/2640	100%	0.401	0.192	0.18	23.05	24.00	1.245	0.499	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_1	509202/2546.01	100%	0.091	0.041	0.09	16.64	17.50	1.219	0.111	22.2
Back side	100	QPSK 1_1	509202/2546.01	100%	0.151	0.069	0.11	16.64	17.50	1.219	0.184	22.2
Left side	100	QPSK 1_1	509202/2546.01	100%	0.232	0.100	-0.07	16.64	17.50	1.219	0.283	22.2
Top side	100	QPSK 1_1	509202/2546.01	100%	0.006	0.002	0.18	16.64	17.50	1.219	0.007	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	509202/2546.01	100%	0.140	0.064	0.03	16.52	17.50	1.253	0.175	22.2
Back side	100	QPSK 135_69	509202/2546.01	100%	0.251	0.110	0.06	16.52	17.50	1.253	0.315	22.2
Left side	100	QPSK 135_69	509202/2546.01	100%	0.445	0.185	0.01	16.52	17.50	1.253	0.558	22.2
Top side	100	QPSK 135_69	509202/2546.01	100%	0.039	0.019	-0.18	16.52	17.50	1.253	0.049	22.2
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 off DSI 4												
Back side 13mm	100	QPSK 1_1	509202/2546.01	100%	0.426	0.209	0.07	23.17	24.00	1.211	0.253	22.2
Left side 15mm	100	QPSK 1_1	509202/2546.01	100%	0.553	0.258	-0.02	23.17	24.00	1.211	0.312	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Back side 13mm	100	QPSK 135_69	528000/2640	100%	0.727	0.345	-0.18	23.05	24.00	1.245	0.429	22.2
Left side 15mm	100	QPSK 135_69	528000/2640	100%	0.941	0.432	-0.06	23.05	24.00	1.245	0.538	22.2
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Back side	100	QPSK 1_1	509202/2546.01	100%	2.570	1.060	-0.03	18.12	19.00	1.225	1.298	22.2
Left side	100	QPSK 1_1	509202/2546.01	100%	4.290	1.400	-0.06	18.12	19.00	1.225	1.714	22.2
Left side	100	QPSK 1_1	513900/2569.5	100%	4.070	1.530	0.16	18.03	19.00	1.250	1.913	22.2
Left side	100	QPSK 1_1	518598/2592.99	100%	4.270	1.570	-0.08	17.95	19.00	1.274	1.999	22.2
Left side	100	QPSK 1_1	523302/2616.51	100%	4.080	1.480	0.11	17.90	19.00	1.288	1.907	22.2
Left side	100	QPSK 1_1	528000/2640	100%	3.770	1.350	0.17	17.99	19.00	1.262	1.703	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Back side	100	QPSK 135_69	509202/2546.01	100%	3.140	1.200	0.04	18.05	19.00	1.245	1.493	22.2
Left side	100	QPSK 135_69	509202/2546.01	100%	4.750	1.600	0.19	18.05	19.00	1.245	1.991	22.2
Left side	100	QPSK 135_69	513900/2569.5	100%	3.570	1.290	0.15	18.04	19.00	1.247	1.609	22.2
Left side	100	QPSK 135_69	518598/2592.99	100%	3.820	1.370	0.11	17.91	19.00	1.285	1.761	22.2
Left side	100	QPSK 135_69	523302/2616.51	100%	3.510	1.240	-0.11	17.92	19.00	1.282	1.590	22.2
Left side	100	QPSK 135_69	528000/2640	100%	3.210	1.130	0.05	18.01	19.00	1.256	1.419	22.2



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

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

Report No.: SZCR250100029101

Page: 137 of 213

Ant13 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) DSI 2												
Left cheek	100	QPSK 1_137	523302/2616.51	100%	0.179	0.094	0.01	15.68	17.00	1.355	0.243	22.2
Left tilted	100	QPSK 1_137	523302/2616.51	100%	0.234	0.118	0.13	15.68	17.00	1.355	0.317	22.2
Right cheek	100	QPSK 1_137	523302/2616.51	100%	0.405	0.185	-0.13	15.68	17.00	1.355	0.549	22.2
Right tilted	100	QPSK 1_137	523302/2616.51	100%	0.561	0.233	0.05	15.68	17.00	1.355	0.760	22.2
Right tilted	100	QPSK 1_1	509202/2546.01	100%	0.552	0.229	0.12	15.59	17.00	1.384	0.764	22.2
Right tilted	100	QPSK 1_137	513900/2569.5	100%	0.597	0.250	0.09	15.61	17.00	1.377	0.822	22.2
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.598	0.250	0.17	15.52	17.00	1.406	0.841	22.2
Right tilted	100	QPSK 1_1	528000/2640	100%	0.612	0.255	-0.15	15.48	17.00	1.419	0.868	22.2
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	509202/2546.01	100%	0.212	0.106	-0.01	15.61	17.00	1.377	0.292	22.2
Left tilted	100	QPSK 135_69	509202/2546.01	100%	0.291	0.143	0.00	15.61	17.00	1.377	0.401	22.2
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.464	0.203	-0.18	15.61	17.00	1.377	0.639	22.2
Right tilted	100	QPSK 135_69	509202/2546.01	100%	0.617	0.254	0.17	15.61	17.00	1.377	0.850	22.2
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.478	0.213	-0.09	15.44	17.00	1.432	0.685	22.2
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.466	0.212	0.18	15.58	17.00	1.387	0.646	22.2
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.436	0.204	-0.07	15.50	17.00	1.413	0.616	22.2
Right cheek	100	QPSK 135_69	528000/2640	100%	0.400	0.191	0.06	15.45	17.00	1.429	0.572	22.2
Right tilted	100	QPSK 135_69	513900/2569.5	100%	0.601	0.252	0.10	15.44	17.00	1.432	0.861	22.2
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.596	0.250	0.06	15.58	17.00	1.387	0.827	22.2
Right tilted	100	QPSK 135_69	523302/2616.51	100%	0.570	0.240	0.04	15.50	17.00	1.413	0.805	22.2
Right tilted	100	QPSK 135_69	528000/2640	100%	0.522	0.222	-0.06	15.45	17.00	1.429	0.746	22.2
Head Test Data (100%RB) DSI 2												
Right tilted	100	QPSK 270_0	513900/2569.5	100%	0.477	0.194	-0.09	14.94	16.00	1.276	0.609	22.2
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	513900/2569.5	100%	0.161	0.089	-0.14	21.21	22.50	1.346	0.217	22.2
Back side	100	QPSK 1_137	513900/2569.5	100%	0.549	0.268	0.10	21.21	22.50	1.346	0.739	22.2
Back side	100	QPSK 1_1	509202/2546.01	100%	0.476	0.228	-0.03	21.03	22.50	1.403	0.668	22.2
Back side	100	QPSK 1_137	518598/2592.99	100%	0.553	0.266	-0.06	21.04	22.50	1.400	0.774	22.2
Back side	100	QPSK 1_137	523302/2616.51	100%	0.499	0.241	0.11	21.04	22.50	1.400	0.698	22.2
Back side	100	QPSK 1_1	528000/2640	100%	0.557	0.278	-0.06	20.97	22.50	1.422	0.792	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	509202/2546.01	100%	0.154	0.082	0.13	21.19	22.50	1.352	0.208	22.2
Back side	100	QPSK 135_69	509202/2546.01	100%	0.564	0.270	0.15	21.19	22.50	1.352	0.763	22.2
Back side	100	QPSK 135_69	513900/2569.5	100%	0.558	0.268	0.01	21.04	22.50	1.400	0.781	22.2
Back side	100	QPSK 135_69	518598/2592.99	100%	0.546	0.262	-0.12	21.08	22.50	1.387	0.757	22.2
Back side	100	QPSK 135_69	523302/2616.51	100%	0.502	0.241	0.16	21.07	22.50	1.390	0.698	22.2
Back side	100	QPSK 135_69	528000/2640	100%	0.440	0.211	-0.05	21.05	22.50	1.396	0.614	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	523302/2616.51	100%	0.086	0.043	0.10	15.68	17.00	1.355	0.117	22.2
Back side	100	QPSK 1_137	523302/2616.51	100%	0.280	0.127	-0.08	15.68	17.00	1.355	0.379	22.2



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

Report No.: SZCR250100029101

Page: 138 of 213

Left side	100	QPSK 1_137	523302/2616.51	100%	0.074	0.038	-0.15	15.68	17.00	1.355	0.100	22.2
Top side	100	QPSK 1_137	523302/2616.51	100%	0.315	0.145	0.10	15.68	17.00	1.355	0.427	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	509202/2546.01	100%	0.090	0.045	0.09	15.61	17.00	1.377	0.124	22.2
Back side	100	QPSK 135_69	509202/2546.01	100%	0.319	0.141	0.05	15.61	17.00	1.377	0.439	22.2
Left side	100	QPSK 135_69	509202/2546.01	100%	0.060	0.030	-0.06	15.61	17.00	1.377	0.083	22.2
Top side	100	QPSK 135_69	509202/2546.01	100%	0.347	0.154	-0.08	15.61	17.00	1.377	0.478	22.2
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 off DSI 4												
Back side 13mm	100	QPSK 1_137	513900/2569.5	100%	0.763	0.345	0.18	21.21	22.50	1.346	0.464	22.2
Top side 14mm	100	QPSK 1_137	513900/2569.5	100%	0.933	0.441	0.03	21.21	22.50	1.346	0.594	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Back side 13mm	100	QPSK 135_69	509202/2546.01	100%	0.837	0.382	0.16	21.19	22.50	1.352	0.516	22.2
Top side 14mm	100	QPSK 135_69	509202/2546.01	100%	0.938	0.439	0.11	21.19	22.50	1.352	0.594	22.2
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Back side	100	QPSK 1_137	513900/2569.5	100%	2.650	0.977	-0.14	17.17	18.50	1.358	1.327	22.2
Top side	100	QPSK 1_137	513900/2569.5	100%	4.720	1.810	0.19	17.17	18.50	1.358	2.459	22.2
Top side	100	QPSK 1_1	509202/2546.01	100%	4.510	1.590	0.10	17.06	18.50	1.393	2.215	22.2
Top side	100	QPSK 1_137	518598/2592.99	100%	4.660	1.660	-0.02	17.03	18.50	1.403	2.329	22.2
Top side	100	QPSK 1_137	523302/2616.51	100%	4.270	1.550	-0.02	17.16	18.50	1.361	2.110	22.2
Top side	100	QPSK 1_271	528000/2640	100%	3.250	1.200	0.18	16.97	18.50	1.422	1.707	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Back side	100	QPSK 135_69	523302/2616.51	100%	2.170	0.835	-0.08	17.11	18.50	1.377	1.150	22.2
Top side	100	QPSK 135_69	523302/2616.51	100%	4.440	1.710	0.11	17.11	18.50	1.377	2.355	22.2
Top side	100	QPSK 135_69	509202/2546.01	100%	4.750	1.660	-0.07	17.03	18.50	1.403	2.329	22.2
Top side	100	QPSK 135_69	513900/2569.5	100%	5.460	1.860	-0.10	16.90	18.50	1.445	2.689	22.2
Top side	100	QPSK 135_69	518598/2592.99	100%	4.710	1.670	0.00	16.99	18.50	1.416	2.364	22.2
Top side	100	QPSK 135_69	528000/2640	100%	4.120	1.490	0.09	17.07	18.50	1.390	2.071	22.2
Product specific 10g SAR Test data (Separate 0mm 100%RB) Sensor on DSI 5												
Top side	100	QPSK 270_0	513900/2569.5	100%	3.840	1.360	0.11	16.58	17.50	1.236	1.681	22.2
Ant 31 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) DSI 2												
Left cheek	100	QPSK 1_1	509202/2546.01	100%	0.325	0.190	-0.18	25.07	26.00	1.239	0.403	22.2
Left tilted	100	QPSK 1_1	509202/2546.01	100%	0.339	0.187	-0.11	25.07	26.00	1.239	0.420	22.2
Right cheek	100	QPSK 1_1	509202/2546.01	100%	0.589	0.321	0.07	25.07	26.00	1.239	0.730	22.2
Right tilted	100	QPSK 1_1	509202/2546.01	100%	0.273	0.151	0.10	25.07	26.00	1.239	0.338	22.2
Right cheek	100	QPSK 1_1	513900/2569.5	100%	0.608	0.330	-0.09	24.97	26.00	1.268	0.771	22.2
Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.552	0.297	-0.08	24.85	26.00	1.303	0.719	22.2
Right cheek	100	QPSK 1_137	523302/2616.51	100%	0.504	0.269	0.09	24.81	26.00	1.315	0.663	22.2
Right cheek	100	QPSK 1_137	528000/2640	100%	0.394	0.210	-0.02	24.81	26.00	1.315	0.518	22.2
Head Test Data (50%RB) DSI 2												



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

Report No.: SZCR250100029101

Page: 139 of 213

Left cheek	100	QPSK 135_69	528000/2640	100%	0.224	0.129	0.03	24.92	26.00	1.282	0.287	22.2
Left tilted	100	QPSK 135_69	528000/2640	100%	0.207	0.112	-0.11	24.92	26.00	1.282	0.265	22.2
Right cheek	100	QPSK 135_69	528000/2640	100%	0.442	0.236	0.00	24.92	26.00	1.282	0.567	22.2
Right tilted	100	QPSK 135_69	528000/2640	100%	0.173	0.094	0.14	24.92	26.00	1.282	0.222	22.2
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_1	509202/2546.01	100%	0.153	0.089	-0.09	21.05	22.00	1.245	0.190	22.2
Back side	100	QPSK 1_1	509202/2546.01	100%	0.145	0.082	0.15	21.05	22.00	1.245	0.180	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	509202/2546.01	100%	0.149	0.087	0.03	20.92	22.00	1.282	0.191	22.2
Back side	100	QPSK 135_69	509202/2546.01	100%	0.147	0.082	0.02	20.92	22.00	1.282	0.189	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_1	509202/2546.01	100%	0.250	0.139	0.15	19.97	21.00	1.268	0.317	22.2
Back side	100	QPSK 1_1	509202/2546.01	100%	0.281	0.142	-0.13	19.97	21.00	1.268	0.356	22.2
Left side	100	QPSK 1_1	509202/2546.01	100%	0.043	0.022	-0.13	19.97	21.00	1.268	0.055	22.2
Right side	100	QPSK 1_1	509202/2546.01	100%	0.162	0.087	-0.16	19.97	21.00	1.268	0.205	22.2
Bottom side	100	QPSK 1_1	509202/2546.01	100%	0.260	0.124	-0.06	19.97	21.00	1.268	0.330	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	513900/2569.5	100%	0.305	0.166	-0.18	19.91	21.00	1.285	0.392	22.2
Back side	100	QPSK 135_69	513900/2569.5	100%	0.287	0.145	0.10	19.91	21.00	1.285	0.369	22.2
Left side	100	QPSK 135_69	513900/2569.5	100%	0.009	0.008	-0.18	19.91	21.00	1.285	0.012	22.2
Right side	100	QPSK 135_69	513900/2569.5	100%	0.198	0.105	0.15	19.91	21.00	1.285	0.254	22.2
Bottom side	100	QPSK 135_69	513900/2569.5	100%	0.284	0.127	-0.02	19.91	21.00	1.285	0.365	22.2

(for original report SZCR241200494509)

N41 SAR Test Record												
Ant11 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) DSI 2												
Right cheek	100	QPSK 1_137	518598/2592.99	100%	0.722	0.275	0.06	17.46	18.50	1.271	0.917	22.5
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Left side	100	QPSK 135_69	509202/2546.01	100%	0.382	0.166	-0.06	16.52	17.50	1.253	0.479	22.5
Ant13 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)
Body worn Test data (Separate 15mm 1RB) DSI 4												
Back side	100	QPSK 1_1	528000/2640	100%	0.422	0.214	-0.01	20.97	22.50	1.422	0.600	22.5
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Top side	100	QPSK 135_69	513900/2569.5	100%	4.730	1.620	0.02	16.90	18.50	1.445	2.342	22.5

(for new report SZCR250100029101)



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

Report No.: SZCR250100029101

Page: 140 of 213

8.2.17 SAR Result of NR Band n66

N66 SAR Test Record												
Ant 11 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) DSI 2												
Left cheek	40	QPSK 1_108	346000/1730	100%	0.284	0.162	0.08	18.95	19.90	1.245	0.353	22.4
Left tilted	40	QPSK 1_108	346000/1730	100%	0.078	0.049	0.02	18.95	19.90	1.245	0.097	22.4
Right cheek	40	QPSK 1_108	346000/1730	100%	0.571	0.295	-0.04	18.95	19.90	1.245	0.711	22.4
Right tilted	40	QPSK 1_108	346000/1730	100%	0.118	0.068	-0.18	18.95	19.90	1.245	0.147	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	40	QPSK 108_54	346000/1730	100%	0.291	0.165	-0.12	18.81	19.90	1.285	0.374	22.4
Left tilted	40	QPSK 108_54	346000/1730	100%	0.079	0.049	0.18	18.81	19.90	1.285	0.102	22.4
Right cheek	40	QPSK 108_54	346000/1730	100%	0.562	0.270	0.08	18.81	19.90	1.285	0.722	22.4
Right tilted	40	QPSK 108_54	346000/1730	100%	0.120	0.069	-0.04	18.81	19.90	1.285	0.154	22.4
Head Test Data (1RB) DSI 2												
Left cheek	40	QPSK 1_108	346000/1730	100%	0.284	0.162	0.08	18.95	16.90	0.624	0.177	22.4
Left tilted	40	QPSK 1_108	346000/1730	100%	0.078	0.049	0.02	18.95	16.90	0.624	0.049	22.4
Right cheek	40	QPSK 1_108	346000/1730	100%	0.571	0.295	-0.04	18.95	16.90	0.624	0.356	22.4
Right tilted	40	QPSK 1_108	346000/1730	100%	0.118	0.068	-0.18	18.95	16.90	0.624	0.074	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	40	QPSK 108_54	346000/1730	100%	0.291	0.165	-0.12	18.81	16.90	0.644	0.187	22.4
Left tilted	40	QPSK 108_54	346000/1730	100%	0.079	0.049	0.18	18.81	16.90	0.644	0.051	22.4
Right cheek	40	QPSK 108_54	346000/1730	100%	0.562	0.270	0.08	18.81	16.90	0.644	0.362	22.4
Right tilted	40	QPSK 108_54	346000/1730	100%	0.120	0.069	-0.04	18.81	16.90	0.644	0.077	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	40	QPSK 1_108	346000/1730	100%	0.237	0.130	0.03	23.91	24.90	1.256	0.298	22.4
Back side	40	QPSK 1_108	346000/1730	100%	0.374	0.194	0.00	23.91	24.90	1.256	0.470	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	40	QPSK 108_54	352000/1760	100%	0.215	0.117	0.12	23.79	24.90	1.291	0.278	22.4
Back side	40	QPSK 108_54	352000/1760	100%	0.383	0.194	0.03	23.79	24.90	1.291	0.495	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	40	QPSK 1_108	346000/1730	100%	0.160	0.083	0.15	19.38	20.40	1.265	0.202	22.4
Back side	40	QPSK 1_108	346000/1730	100%	0.274	0.132	-0.10	19.38	20.40	1.265	0.347	22.4
Left side	40	QPSK 1_108	346000/1730	100%	0.408	0.195	0.17	19.38	20.40	1.265	0.516	22.4
Top side	40	QPSK 1_108	346000/1730	100%	0.043	0.024	0.01	19.38	20.40	1.265	0.054	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	40	QPSK 108_54	352000/1760	100%	0.183	0.090	0.03	19.30	20.40	1.288	0.236	22.4
Back side	40	QPSK 108_54	352000/1760	100%	0.306	0.146	-0.07	19.30	20.40	1.288	0.394	22.4
Left side	40	QPSK 108_54	352000/1760	100%	0.472	0.225	-0.13	19.30	20.40	1.288	0.608	22.4
Top side	40	QPSK 108_54	352000/1760	100%	0.006	0.003	0.02	19.30	20.40	1.288	0.008	22.4



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

Report No.: SZCR250100029101

Page: 141 of 213

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 off DSI 4												
Left side 15mm	40	QPSK 1_108	346000/1730	100%	0.551	0.289	0.15	23.91	24.90	1.256	0.363	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Left side 15mm	40	QPSK 108_54	352000/1760	100%	0.593	0.308	0.18	23.79	24.90	1.291	0.398	22.4
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Left side	40	QPSK 1_108	346000/1730	100%	3.730	1.460	-0.10	20.37	21.40	1.268	1.851	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Left side	40	QPSK 108_54	349000/1745	100%	3.710	1.430	-0.03	20.27	21.40	1.297	1.855	22.4
Ant 13 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) DSI 2												
Left cheek	40	QPSK 1_1	349000/1745	100%	0.278	0.156	-0.18	15.52	17.00	1.406	0.391	22.4
Left tilted	40	QPSK 1_1	349000/1745	100%	0.346	0.184	-0.02	15.52	17.00	1.406	0.486	22.4
Right cheek	40	QPSK 1_1	349000/1745	100%	0.459	0.236	-0.02	15.52	17.00	1.406	0.645	22.4
Right tilted	40	QPSK 1_1	349000/1745	100%	0.473	0.241	-0.17	15.52	17.00	1.406	0.665	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	40	QPSK 108_54	352000/1760	100%	0.316	0.175	-0.04	15.50	17.00	1.413	0.446	22.4
Left tilted	40	QPSK 108_54	352000/1760	100%	0.385	0.205	0.15	15.50	17.00	1.413	0.544	22.4
Right cheek	40	QPSK 108_54	352000/1760	100%	0.471	0.241	0.11	15.50	17.00	1.413	0.665	22.4
Right tilted	40	QPSK 108_54	352000/1760	100%	0.510	0.260	0.07	15.50	17.00	1.413	0.720	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	40	QPSK 1_1	352000/1760	100%	0.336	0.182	0.15	23.36	25.00	1.459	0.490	22.4
Back side	40	QPSK 1_1	352000/1760	100%	0.348	0.209	-0.10	23.36	25.00	1.459	0.508	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	40	QPSK 108_54	352000/1760	100%	0.358	0.198	-0.10	23.33	25.00	1.469	0.526	22.4
Back side	40	QPSK 108_54	352000/1760	100%	0.366	0.222	-0.06	23.33	25.00	1.469	0.538	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	40	QPSK 1_1	349000/1745	100%	0.232	0.124	0.12	18.91	20.50	1.442	0.335	22.4
Back side	40	QPSK 1_1	349000/1745	100%	0.256	0.145	-0.17	18.91	20.50	1.442	0.369	22.4
Left side	40	QPSK 1_1	349000/1745	100%	0.053	0.031	-0.07	18.91	20.50	1.442	0.076	22.4
Top side	40	QPSK 1_1	349000/1745	100%	0.361	0.205	0.09	18.91	20.50	1.442	0.521	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	40	QPSK 108_54	352000/1760	100%	0.284	0.145	-0.10	18.90	20.50	1.445	0.411	22.4
Back side	40	QPSK 108_54	352000/1760	100%	0.331	0.183	-0.09	18.90	20.50	1.445	0.478	22.4
Left side	40	QPSK 108_54	352000/1760	100%	0.069	0.040	-0.15	18.90	20.50	1.445	0.100	22.4
Top side	40	QPSK 108_54	352000/1760	100%	0.425	0.221	0.04	18.90	20.50	1.445	0.614	22.4
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 off DSI 4												
Back side 13mm	40	QPSK 1_1	352000/1760	100%	0.589	0.329	0.06	23.36	25.00	1.459	0.480	22.4
Top side 14mm	40	QPSK 1_1	352000/1760	100%	0.806	0.404	-0.11	23.36	25.00	1.459	0.589	22.4



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

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

Report No.: SZCR250100029101

Page: 142 of 213

Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Back side 13mm	40	QPSK 108_54	352000/1760	100%	0.648	0.362	0.10	23.33	25.00	1.469	0.532	22.4
Top side 14mm	40	QPSK 108_54	352000/1760	100%	0.846	0.424	-0.05	23.33	25.00	1.469	0.623	22.4
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Back side	40	QPSK 1_1	352000/1760	100%	2.480	1.230	-0.07	20.43	22.00	1.435	1.766	22.4
Top side	40	QPSK 1_1	352000/1760	100%	3.400	1.300	0.12	20.43	22.00	1.435	1.866	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Back side	40	QPSK 108_54	346000/1730	100%	2.020	0.978	-0.04	20.40	22.00	1.445	1.414	22.4
Top side	40	QPSK 108_54	346000/1730	100%	3.440	1.320	0.03	20.40	22.00	1.445	1.908	22.4
Ant 31 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) DSI 2												
Left cheek	40	QPSK 1_108	349000/1745	100%	0.118	0.073	-0.03	24.14	24.90	1.191	0.141	22.4
Left tilted	40	QPSK 1_108	349000/1745	100%	0.075	0.045	0.11	24.14	24.90	1.191	0.089	22.4
Right cheek	40	QPSK 1_108	349000/1745	100%	0.076	0.047	0.18	24.14	24.90	1.191	0.091	22.4
Right tilted	40	QPSK 1_108	349000/1745	100%	0.078	0.046	-0.11	24.14	24.90	1.191	0.093	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	40	QPSK 108_54	349000/1745	100%	0.108	0.067	-0.15	23.76	24.90	1.300	0.140	22.4
Left tilted	40	QPSK 108_54	349000/1745	100%	0.065	0.039	0.11	23.76	24.90	1.300	0.085	22.4
Right cheek	40	QPSK 108_54	349000/1745	100%	0.072	0.044	-0.07	23.76	24.90	1.300	0.094	22.4
Right tilted	40	QPSK 108_54	349000/1745	100%	0.068	0.040	0.17	23.76	24.90	1.300	0.088	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	40	QPSK 1_108	352000/1760	100%	0.111	0.070	0.07	20.19	20.90	1.178	0.131	22.4
Back side	40	QPSK 1_108	352000/1760	100%	0.182	0.109	-0.04	20.19	20.90	1.178	0.214	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	40	QPSK 108_54	352000/1760	100%	0.114	0.069	-0.04	19.80	20.90	1.288	0.147	22.4
Back side	40	QPSK 108_54	352000/1760	100%	0.180	0.108	-0.11	19.80	20.90	1.288	0.232	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	40	QPSK 1_108	346000/1730	100%	0.137	0.081	-0.18	19.65	20.40	1.189	0.163	22.4
Back side	40	QPSK 1_108	346000/1730	100%	0.244	0.137	0.17	19.65	20.40	1.189	0.290	22.4
Left side	40	QPSK 1_108	346000/1730	100%	0.006	0.003	-0.12	19.65	20.40	1.189	0.007	22.4
Right side	40	QPSK 1_108	346000/1730	100%	0.059	0.032	0.08	19.65	20.40	1.189	0.070	22.4
Bottom side	40	QPSK 1_108	346000/1730	100%	0.271	0.145	-0.09	19.65	20.40	1.189	0.322	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	40	QPSK 108_54	349000/1745	100%	0.135	0.079	0.03	19.35	20.40	1.274	0.172	22.4
Back side	40	QPSK 108_54	349000/1745	100%	0.239	0.136	-0.02	19.35	20.40	1.274	0.304	22.4
Left side	40	QPSK 108_54	349000/1745	100%	0.005	0.002	0.19	19.35	20.40	1.274	0.006	22.4
Right side	40	QPSK 108_54	349000/1745	100%	0.057	0.031	0.01	19.35	20.40	1.274	0.073	22.4
Bottom side	40	QPSK 108_54	349000/1745	100%	0.268	0.143	-0.12	19.35	20.40	1.274	0.341	22.4

(for original report SZCR241200494509)



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

Report No.: SZCR250100029101

Page: 143 of 213

N66 SAR Test Record												
Ant 11 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) DSI 2												
Right cheek	40	QPSK 108_54	346000/1730	100%	0.521	0.240	0.01	18.81	19.90	1.285	0.670	22.2
Ant 13 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)
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Back side	40	QPSK 108_54	352000/1760	100%	0.341	0.207	-0.08	23.33	25.00	1.469	0.501	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Top side	40	QPSK 108_54	352000/1760	100%	0.411	0.213	-0.07	18.90	20.50	1.445	0.594	22.2
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 DSI 5												
Top side	40	QPSK 108_54	346000/1730	100%	3.340	1.290	0.01	20.40	22.00	1.445	1.865	22.2

(for new report SZCR250100029101)



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

Report No.: SZCR250100029101

Page: 144 of 213

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

N77 SAR Test Record												
Ant 11 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) DSI 2												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.170	0.081	0.18	16.03	16.50	1.114	0.189	22.1
Left tilted	100	QPSK 1_137	633334/3500	100%	0.069	0.032	0.06	16.03	16.50	1.114	0.077	22.1
Right cheek	100	QPSK 1_137	633334/3500	100%	0.529	0.208	0.19	16.03	16.50	1.114	0.589	22.1
Right tilted	100	QPSK 1_137	633334/3500	100%	0.154	0.069	-0.02	16.03	16.50	1.114	0.172	22.1
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.187	0.090	0.07	16.18	16.50	1.076	0.201	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.070	0.032	-0.11	16.18	16.50	1.076	0.075	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.538	0.209	0.12	16.18	16.50	1.076	0.579	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.156	0.070	0.16	16.18	16.50	1.076	0.168	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	633334/3500	100%	0.299	0.131	-0.05	23.07	23.50	1.104	0.330	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.420	0.194	0.19	23.07	23.50	1.104	0.464	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	633334/3500	100%	0.291	0.133	-0.10	23.08	23.50	1.102	0.321	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.420	0.194	0.09	23.08	23.50	1.102	0.463	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	633334/3500	100%	0.184	0.079	-0.10	18.03	18.50	1.114	0.205	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.257	0.116	0.04	18.03	18.50	1.114	0.286	22.2
Left side	100	QPSK 1_137	633334/3500	100%	0.503	0.199	-0.13	18.03	18.50	1.114	0.560	22.2
Top side	100	QPSK 1_137	633334/3500	100%	0.061	0.027	0.11	18.03	18.50	1.114	0.068	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	633334/3500	100%	0.197	0.083	-0.06	18.13	18.50	1.089	0.215	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.258	0.118	0.02	18.13	18.50	1.089	0.281	22.2
Left side	100	QPSK 135_69	633334/3500	100%	0.527	0.197	0.01	18.13	18.50	1.089	0.574	22.2
Top side	100	QPSK 135_69	633334/3500	100%	0.063	0.028	0.03	18.13	18.50	1.089	0.069	22.2
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 off DSI 4												
Left side 15mm	100	QPSK 1_137	633334/3500	100%	0.708	0.306	-0.05	23.07	23.50	1.104	0.338	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Left side 15mm	100	QPSK 135_69	633334/3500	100%	0.721	0.311	0.04	23.08	23.50	1.102	0.343	22.2
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Left side	100	QPSK 1_137	633334/3500	100%	4.670	1.520	-0.12	19.54	20.00	1.112	1.690	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Left side	100	QPSK 135_69	633334/3500	100%	4.700	1.530	-0.15	19.67	20.00	1.079	1.651	22.2



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

Report No.: SZCR250100029101

Page: 145 of 213

Ant 12 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) DSI 2												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.177	0.083	-0.06	15.72	16.20	1.117	0.198	22.1
Left tilted	100	QPSK 1_137	633334/3500	100%	0.148	0.069	-0.04	15.72	16.20	1.117	0.165	22.1
Right cheek	100	QPSK 1_137	633334/3500	100%	0.481	0.205	0.14	15.72	16.20	1.117	0.537	22.1
Right tilted	100	QPSK 1_137	633334/3500	100%	0.288	0.125	-0.14	15.72	16.20	1.117	0.322	22.1
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.180	0.084	0.04	15.82	16.20	1.091	0.196	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.152	0.071	0.12	15.82	16.20	1.091	0.166	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.482	0.205	-0.19	15.82	16.20	1.091	0.526	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.297	0.127	0.19	15.82	16.20	1.091	0.324	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	633334/3500	100%	0.303	0.145	0.08	23.26	23.70	1.107	0.335	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.396	0.178	0.04	23.26	23.70	1.107	0.438	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	633334/3500	100%	0.316	0.152	-0.02	23.33	23.70	1.089	0.344	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.400	0.181	0.00	23.33	23.70	1.089	0.436	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	633334/3500	100%	0.245	0.112	0.00	19.21	19.70	1.119	0.274	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.294	0.129	0.05	19.21	19.70	1.119	0.329	22.2
Left side	100	QPSK 1_137	633334/3500	100%	0.236	0.102	0.15	19.21	19.70	1.119	0.264	22.2
Top side	100	QPSK 1_137	633334/3500	100%	0.123	0.056	0.09	19.21	19.70	1.119	0.138	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	633334/3500	100%	0.232	0.108	0.19	19.41	19.70	1.069	0.248	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.312	0.135	0.12	19.41	19.70	1.069	0.334	22.2
Left side	100	QPSK 135_69	633334/3500	100%	0.242	0.107	0.13	19.41	19.70	1.069	0.259	22.2
Top side	100	QPSK 135_69	633334/3500	100%	0.130	0.058	0.12	19.41	19.70	1.069	0.139	22.2
Ant 21 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) DSI 2												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.584	0.242	-0.16	14.04	15.20	1.306	0.763	22.1
Left tilted	100	QPSK 1_137	633334/3500	100%	0.661	0.256	0.04	14.04	15.20	1.306	0.863	22.1
Right cheek	100	QPSK 1_137	633334/3500	100%	0.314	0.133	-0.03	14.04	15.20	1.306	0.410	22.1
Right tilted	100	QPSK 1_137	633334/3500	100%	0.361	0.151	0.17	14.04	15.20	1.306	0.472	22.1
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.580	0.236	0.18	14.15	15.20	1.274	0.739	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.656	0.256	0.15	14.15	15.20	1.274	0.835	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.327	0.138	0.06	14.15	15.20	1.274	0.416	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.383	0.160	0.01	14.15	15.20	1.274	0.488	22.1
Head Test Data (100%RB) DSI 2												
Left tilted	100	QPSK 270_0	633334/3500	100%	0.505	0.196	-0.13	13.06	14.20	1.300	0.657	22.1



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

Report No.: SZCR250100029101

Page: 146 of 213

Head Test Data (1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.584	0.242	-0.16	14.04	12.20	0.655	0.382	22.1
Left tilted	100	QPSK 1_137	633334/3500	100%	0.661	0.256	0.04	14.04	12.20	0.655	0.433	22.1
Right cheek	100	QPSK 1_137	633334/3500	100%	0.314	0.133	-0.03	14.04	12.20	0.655	0.206	22.1
Right tilted	100	QPSK 1_137	633334/3500	100%	0.361	0.151	0.17	14.04	12.20	0.655	0.236	22.1
Head Test Data (50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.580	0.236	0.18	14.15	12.20	0.638	0.370	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.656	0.256	0.15	14.15	12.20	0.638	0.419	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.327	0.138	0.06	14.15	12.20	0.638	0.209	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.383	0.160	0.01	14.15	12.20	0.638	0.244	22.1
Head Test Data (100%RB) DSI 2 with ENDC												
Left tilted	100	QPSK 270_0	633334/3500	100%	0.505	0.196	-0.13	13.06	11.20	0.652	0.329	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	633334/3500	100%	0.199	0.090	-0.16	18.14	19.20	1.276	0.254	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.481	0.206	0.16	18.14	19.20	1.276	0.614	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	633334/3500	100%	0.208	0.096	0.13	18.30	19.20	1.230	0.256	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.488	0.209	0.03	18.30	19.20	1.230	0.600	22.2
Body worn Test data (Separate 15mm 1RB) DSI 4 with ENDC												
Front side	100	QPSK 1_137	633334/3500	100%	0.199	0.090	-0.16	18.14	16.20	0.640	0.127	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.481	0.206	0.16	18.14	16.20	0.640	0.308	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4 with ENDC												
Front side	100	QPSK 135_69	633334/3500	100%	0.208	0.096	0.13	18.30	16.20	0.617	0.128	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.488	0.209	0.03	18.30	16.20	0.617	0.301	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	633334/3500	100%	0.284	0.122	-0.07	16.72	17.70	1.253	0.356	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.570	0.221	0.01	16.72	17.70	1.253	0.714	22.2
Right side	100	QPSK 1_137	633334/3500	100%	0.088	0.044	0.09	16.72	17.70	1.253	0.110	22.2
Top side	100	QPSK 1_137	633334/3500	100%	0.409	0.170	0.10	16.72	17.70	1.253	0.513	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	633334/3500	100%	0.273	0.117	-0.17	16.78	17.70	1.236	0.337	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.569	0.221	0.04	16.78	17.70	1.236	0.703	22.2
Right side	100	QPSK 135_69	633334/3500	100%	0.090	0.045	-0.13	16.78	17.70	1.236	0.111	22.2
Top side	100	QPSK 135_69	633334/3500	100%	0.394	0.163	-0.12	16.78	17.70	1.236	0.487	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10 with ENDC												
Front side	100	QPSK 1_137	633334/3500	100%	0.284	0.122	-0.07	16.72	14.70	0.628	0.178	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.570	0.221	0.01	16.72	14.70	0.628	0.358	22.2
Right side	100	QPSK 1_137	633334/3500	100%	0.088	0.044	0.09	16.72	14.70	0.628	0.055	22.2
Top side	100	QPSK 1_137	633334/3500	100%	0.409	0.170	0.10	16.72	14.70	0.628	0.257	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10 with ENDC												
Front side	100	QPSK 135_69	633334/3500	100%	0.273	0.117	-0.17	16.78	14.70	0.619	0.169	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.569	0.221	0.04	16.78	14.70	0.619	0.352	22.2
Right side	100	QPSK 135_69	633334/3500	100%	0.090	0.045	-0.13	16.78	14.70	0.619	0.056	22.2
Top side	100	QPSK 135_69	633334/3500	100%	0.394	0.163	-0.12	16.78	14.70	0.619	0.244	22.2



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

Report No.: SZCR250100029101

Page: 147 of 213

Ant 23 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) DSI 2												
Left cheek	100	QPSK 1_271	633334/3500	100%	0.586	0.225	-0.14	15.30	16.90	1.445	0.847	22.1
Left tilted	100	QPSK 1_271	633334/3500	100%	0.154	0.073	-0.18	15.30	16.90	1.445	0.223	22.1
Right cheek	100	QPSK 1_271	633334/3500	100%	0.146	0.073	0.12	15.30	16.90	1.445	0.211	22.1
Right tilted	100	QPSK 1_271	633334/3500	100%	0.071	0.031	-0.15	15.30	16.90	1.445	0.103	22.1
Head Test Data(50%RB) DSI 2												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.498	0.179	0.13	15.33	16.90	1.435	0.715	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.141	0.066	-0.17	15.33	16.90	1.435	0.202	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.116	0.057	0.14	15.33	16.90	1.435	0.167	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.061	0.028	0.19	15.33	16.90	1.435	0.088	22.1
Head Test Data(100%RB) DSI 2												
Left cheek	100	QPSK 270_0	633334/3500	100%	0.326	0.127	-0.08	14.28	15.90	1.452	0.473	22.1
Head Test Data(1RB) DSI 3												
Left cheek	100	QPSK 1_271	633334/3500	100%	0.586	0.225	-0.14	15.30	15.90	1.148	0.673	22.1
Left tilted	100	QPSK 1_271	633334/3500	100%	0.154	0.073	-0.18	15.30	15.90	1.148	0.177	22.1
Right cheek	100	QPSK 1_271	633334/3500	100%	0.146	0.073	0.12	15.30	15.90	1.148	0.168	22.1
Right tilted	100	QPSK 1_271	633334/3500	100%	0.071	0.031	-0.15	15.30	15.90	1.148	0.082	22.1
Head Test Data(50%RB) DSI 3												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.498	0.179	0.13	15.33	15.90	1.140	0.568	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.141	0.066	-0.17	15.33	15.90	1.140	0.161	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.116	0.057	0.14	15.33	15.90	1.140	0.132	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.061	0.028	0.19	15.33	15.90	1.140	0.070	22.1
Head Test Data(100%RB) DSI 3												
Left cheek	100	QPSK 270_0	633334/3500	100%	0.326	0.127	-0.08	14.28	14.90	1.153	0.376	22.1
Head Test Data(1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_271	633334/3500	100%	0.586	0.225	-0.14	15.30	13.90	0.724	0.425	22.1
Left tilted	100	QPSK 1_271	633334/3500	100%	0.154	0.073	-0.18	15.30	13.90	0.724	0.112	22.1
Right cheek	100	QPSK 1_271	633334/3500	100%	0.146	0.073	0.12	15.30	13.90	0.724	0.106	22.1
Right tilted	100	QPSK 1_271	633334/3500	100%	0.071	0.031	-0.15	15.30	13.90	0.724	0.051	22.1
Head Test Data(50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.498	0.179	0.13	15.33	13.90	0.719	0.358	22.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.141	0.066	-0.17	15.33	13.90	0.719	0.101	22.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.116	0.057	0.14	15.33	13.90	0.719	0.083	22.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.061	0.028	0.19	15.33	13.90	0.719	0.044	22.1
Head Test Data(100%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 270_0	633334/3500	100%	0.326	0.127	-0.08	14.28	12.90	0.728	0.237	22.1
Body worn Test data(Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_271	633334/3500	100%	0.102	0.046	0.05	18.72	20.40	1.472	0.150	22.2
Back side	100	QPSK 1_271	633334/3500	100%	0.208	0.096	0.07	18.72	20.40	1.472	0.306	22.2
Body worn Test data(Separate 15mm 50%RB) DSI 4												



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

Report No.: SZCR250100029101

Page: 148 of 213

Front side	100	QPSK 135_69	633334/3500	100%	0.073	0.034	-0.12	18.60	20.40	1.514	0.110	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.272	0.127	-0.11	18.60	20.40	1.514	0.412	22.2
Hotspot Test data(Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	633334/3500	100%	0.116	0.052	0.05	17.60	19.40	1.514	0.176	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.385	0.179	0.11	17.60	19.40	1.514	0.583	22.2
Right side	100	QPSK 1_137	633334/3500	100%	0.266	0.106	-0.15	17.60	19.40	1.514	0.403	22.2
Top side	100	QPSK 1_137	633334/3500	100%	0.093	0.041	0.04	17.60	19.40	1.514	0.141	22.2
Hotspot Test data(Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	633334/3500	100%	0.126	0.052	0.13	17.72	19.40	1.472	0.186	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.379	0.178	0.09	17.72	19.40	1.472	0.558	22.2
Right side	100	QPSK 135_69	633334/3500	100%	0.264	0.103	-0.15	17.72	19.40	1.472	0.389	22.2
Top side	100	QPSK 135_69	633334/3500	100%	0.102	0.045	-0.10	17.72	19.40	1.472	0.150	22.2
Hotspot Test data(Separate 10mm 1RB) DSI 10 with ENDC												
Front side	100	QPSK 1_137	633334/3500	100%	0.116	0.052	0.05	17.60	16.40	0.759	0.088	22.2
Back side	100	QPSK 1_137	633334/3500	100%	0.385	0.179	0.11	17.60	16.40	0.759	0.292	22.2
Right side	100	QPSK 1_137	633334/3500	100%	0.266	0.106	-0.15	17.60	16.40	0.759	0.202	22.2
Top side	100	QPSK 1_137	633334/3500	100%	0.093	0.041	0.04	17.60	16.40	0.759	0.071	22.2
Hotspot Test data(Separate 10mm 50%RB) DSI 10 with ENDC												
Front side	100	QPSK 135_69	633334/3500	100%	0.126	0.052	0.13	17.72	16.40	0.738	0.093	22.2
Back side	100	QPSK 135_69	633334/3500	100%	0.379	0.178	0.09	17.72	16.40	0.738	0.280	22.2
Right side	100	QPSK 135_69	633334/3500	100%	0.264	0.103	-0.15	17.72	16.40	0.738	0.195	22.2
Top side	100	QPSK 135_69	633334/3500	100%	0.102	0.045	-0.10	17.72	16.40	0.738	0.075	22.2

(for original report SZCR241200494509)



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

Report No.: SZCR250100029101

Page: 149 of 213

8.2.19 SAR Result of NR Band n77 (3700-3980)

N77 SAR Test Record												
Ant 11 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) DSI 2												
Left cheek	100	QPSK 1_137	650000/3750	100%	0.196	0.093	0.15	15.38	16.50	1.294	0.254	22.1
Left tilted	100	QPSK 1_137	650000/3750	100%	0.063	0.031	-0.13	15.38	16.50	1.294	0.082	22.1
Right cheek	100	QPSK 1_137	650000/3750	100%	0.579	0.221	0.18	15.38	16.50	1.294	0.749	22.1
Right tilted	100	QPSK 1_137	650000/3750	100%	0.136	0.059	0.04	15.38	16.50	1.294	0.176	22.1
Right cheek	100	QPSK 1_137	652400/3786	100%	0.533	0.210	-0.18	15.26	16.50	1.330	0.709	22.1
Right cheek	100	QPSK 1_137	654800/3822	100%	0.510	0.202	-0.05	15.27	16.50	1.327	0.677	22.1
Right cheek	100	QPSK 1_137	657200/3858	100%	0.493	0.195	-0.06	15.26	16.50	1.330	0.656	22.1
Right cheek	100	QPSK 1_137	659600/3894	100%	0.476	0.187	0.15	15.12	16.50	1.374	0.654	22.1
Right cheek	100	QPSK 1_137	662000/3930	100%	0.439	0.172	-0.19	15.04	16.50	1.400	0.614	22.1
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	650000/3750	100%	0.202	0.097	0.14	15.42	16.50	1.282	0.259	22.1
Left tilted	100	QPSK 135_69	650000/3750	100%	0.060	0.029	0.01	15.42	16.50	1.282	0.077	22.1
Right cheek	100	QPSK 135_69	650000/3750	100%	0.602	0.227	0.19	15.42	16.50	1.282	0.772	22.1
Right tilted	100	QPSK 135_69	650000/3750	100%	0.135	0.059	0.03	15.42	16.50	1.282	0.173	22.1
Right cheek	100	QPSK 135_69	652400/3786	100%	0.533	0.211	-0.16	15.39	16.50	1.291	0.688	22.1
Right cheek	100	QPSK 135_69	654800/3822	100%	0.522	0.207	-0.07	15.31	16.50	1.315	0.687	22.1
Right cheek	100	QPSK 135_69	657200/3858	100%	0.499	0.197	-0.15	15.22	16.50	1.343	0.670	22.1
Right cheek	100	QPSK 135_69	659600/3894	100%	0.485	0.191	0.17	15.17	16.50	1.358	0.659	22.1
Right cheek	100	QPSK 135_69	662000/3930	100%	0.450	0.177	0.16	15.07	16.50	1.390	0.625	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	650000/3750	100%	0.363	0.157	-0.02	22.35	23.50	1.303	0.473	22.2
Back side	100	QPSK 1_137	650000/3750	100%	0.597	0.267	-0.07	22.35	23.50	1.303	0.778	22.2
Front side	100	QPSK 1_137	652400/3786	100%	0.308	0.136	0.11	22.27	23.50	1.327	0.409	22.2
Front side	100	QPSK 1_1	654800/3822	100%	0.311	0.137	-0.05	22.23	23.50	1.340	0.417	22.2
Front side	100	QPSK 1_137	657200/3858	100%	0.313	0.139	0.05	22.21	23.50	1.346	0.421	22.2
Front side	100	QPSK 1_137	659600/3894	100%	0.321	0.142	-0.13	22.10	23.50	1.380	0.443	22.2
Front side	100	QPSK 1_137	662000/3930	100%	0.284	0.125	0.02	22.06	23.50	1.393	0.396	22.2
Back side	100	QPSK 1_137	652400/3786	100%	0.524	0.232	0.12	22.27	23.50	1.327	0.696	22.2
Back side	100	QPSK 1_1	654800/3822	100%	0.526	0.234	0.13	22.23	23.50	1.340	0.705	22.2
Back side	100	QPSK 1_137	657200/3858	100%	0.441	0.196	-0.13	22.21	23.50	1.346	0.594	22.2
Back side	100	QPSK 1_137	659600/3894	100%	0.443	0.194	-0.01	22.10	23.50	1.380	0.612	22.2
Back side	100	QPSK 1_137	662000/3930	100%	0.406	0.176	0.12	22.06	23.50	1.393	0.566	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	650000/3750	100%	0.345	0.152	-0.10	22.45	23.50	1.274	0.439	22.2
Back side	100	QPSK 135_69	650000/3750	100%	0.595	0.261	-0.04	22.45	23.50	1.274	0.758	22.2
Front side	100	QPSK 135_69	652400/3786	100%	0.319	0.140	-0.15	22.37	23.50	1.297	0.414	22.2
Front side	100	QPSK 135_69	654800/3822	100%	0.311	0.141	0.06	22.32	23.50	1.312	0.408	22.2



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

Report No.: SZCR250100029101

Page: 150 of 213

Front side	100	QPSK 135_69	657200/3858	100%	0.312	0.136	0.11	22.26	23.50	1.330	0.415	22.2
Front side	100	QPSK 135_69	659600/3894	100%	0.300	0.130	-0.14	22.14	23.50	1.368	0.410	22.2
Front side	100	QPSK 135_69	662000/3930	100%	0.279	0.123	0.02	22.03	23.50	1.403	0.391	22.2
Back side	100	QPSK 135_69	652400/3786	100%	0.526	0.238	0.11	22.37	23.50	1.297	0.682	22.2
Back side	100	QPSK 135_69	654800/3822	100%	0.485	0.218	0.10	22.32	23.50	1.312	0.636	22.2
Back side	100	QPSK 135_69	657200/3858	100%	0.463	0.201	-0.04	22.26	23.50	1.330	0.616	22.2
Back side	100	QPSK 135_69	659600/3894	100%	0.444	0.193	-0.18	22.14	23.50	1.368	0.607	22.2
Back side	100	QPSK 135_69	662000/3930	100%	0.405	0.181	-0.11	22.03	23.50	1.403	0.568	22.2
Body worn Test data (Separate 15mm 1RB) DSI 4 with ENDC												
Front side	100	QPSK 1_137	650000/3750	100%	0.363	0.157	-0.02	22.35	20.50	0.653	0.237	22.2
Back side	100	QPSK 1_137	650000/3750	100%	0.597	0.267	-0.07	22.35	20.50	0.653	0.390	22.2
Front side	100	QPSK 1_137	652400/3786	100%	0.308	0.136	0.11	22.27	20.50	0.665	0.205	22.2
Front side	100	QPSK 1_1	654800/3822	100%	0.311	0.137	-0.05	22.23	20.50	0.671	0.209	22.2
Front side	100	QPSK 1_137	657200/3858	100%	0.313	0.139	0.05	22.21	20.50	0.675	0.211	22.2
Front side	100	QPSK 1_137	659600/3894	100%	0.321	0.142	-0.13	22.10	20.50	0.692	0.222	22.2
Front side	100	QPSK 1_137	662000/3930	100%	0.284	0.125	0.02	22.06	20.50	0.698	0.198	22.2
Back side	100	QPSK 1_137	652400/3786	100%	0.524	0.232	0.12	22.27	20.50	0.665	0.349	22.2
Back side	100	QPSK 1_1	654800/3822	100%	0.526	0.234	0.13	22.23	20.50	0.671	0.353	22.2
Back side	100	QPSK 1_137	657200/3858	100%	0.441	0.196	-0.13	22.21	20.50	0.675	0.297	22.2
Back side	100	QPSK 1_137	659600/3894	100%	0.443	0.194	-0.01	22.10	20.50	0.692	0.306	22.2
Back side	100	QPSK 1_137	662000/3930	100%	0.406	0.176	0.12	22.06	20.50	0.698	0.283	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4 with ENDC												
Front side	100	QPSK 135_69	650000/3750	100%	0.345	0.152	-0.10	22.45	20.50	0.638	0.220	22.2
Back side	100	QPSK 135_69	650000/3750	100%	0.595	0.261	-0.04	22.45	20.50	0.638	0.380	22.2
Front side	100	QPSK 135_69	652400/3786	100%	0.319	0.140	-0.15	22.37	20.50	0.650	0.207	22.2
Front side	100	QPSK 135_69	654800/3822	100%	0.311	0.141	0.06	22.32	20.50	0.658	0.205	22.2
Front side	100	QPSK 135_69	657200/3858	100%	0.312	0.136	0.11	22.26	20.50	0.667	0.208	22.2
Front side	100	QPSK 135_69	659600/3894	100%	0.300	0.130	-0.14	22.14	20.50	0.685	0.206	22.2
Front side	100	QPSK 135_69	662000/3930	100%	0.279	0.123	0.02	22.03	20.50	0.703	0.196	22.2
Back side	100	QPSK 135_69	652400/3786	100%	0.526	0.238	0.11	22.37	20.50	0.650	0.342	22.2
Back side	100	QPSK 135_69	654800/3822	100%	0.485	0.218	0.10	22.32	20.50	0.658	0.319	22.2
Back side	100	QPSK 135_69	657200/3858	100%	0.463	0.201	-0.04	22.26	20.50	0.667	0.309	22.2
Back side	100	QPSK 135_69	659600/3894	100%	0.444	0.193	-0.18	22.14	20.50	0.685	0.304	22.2
Back side	100	QPSK 135_69	662000/3930	100%	0.405	0.181	-0.11	22.03	20.50	0.703	0.285	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	650000/3750	100%	0.205	0.088	-0.04	17.39	18.50	1.291	0.265	22.2
Back side	100	QPSK 1_137	650000/3750	100%	0.374	0.152	-0.11	17.39	18.50	1.291	0.483	22.2
Left side	100	QPSK 1_137	650000/3750	100%	0.464	0.187	-0.16	17.39	18.50	1.291	0.599	22.2
Top side	100	QPSK 1_137	650000/3750	100%	0.061	0.014	0.06	17.39	18.50	1.291	0.079	22.2
Back side	100	QPSK 1_137	652400/3786	100%	0.340	0.139	-0.15	17.33	18.50	1.309	0.445	22.2
Back side	100	QPSK 1_137	654800/3822	100%	0.282	0.126	0.11	17.31	18.50	1.315	0.371	22.2
Back side	100	QPSK 1_137	657200/3858	100%	0.263	0.118	-0.13	17.21	18.50	1.346	0.354	22.2
Back side	100	QPSK 1_137	659600/3894	100%	0.259	0.110	0.12	17.16	18.50	1.361	0.353	22.2
Back side	100	QPSK 1_137	662000/3930	100%	0.241	0.103	-0.06	17.02	18.50	1.406	0.339	22.2



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

Report No.: SZCR250100029101

Page: 151 of 213

Left side	100	QPSK 1_137	652400/3786	100%	0.395	0.161	-0.16	17.33	18.50	1.309	0.517	22.2
Left side	100	QPSK 1_137	654800/3822	100%	0.367	0.147	0.01	17.31	18.50	1.315	0.483	22.2
Left side	100	QPSK 1_137	657200/3858	100%	0.360	0.140	-0.07	17.21	18.50	1.346	0.485	22.2
Left side	100	QPSK 1_137	659600/3894	100%	0.364	0.143	0.00	17.16	18.50	1.361	0.496	22.2
Left side	100	QPSK 1_137	662000/3930	100%	0.310	0.128	-0.15	17.02	18.50	1.406	0.436	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	650000/3750	100%	0.210	0.090	0.00	17.48	18.50	1.265	0.266	22.2
Back side	100	QPSK 135_69	650000/3750	100%	0.366	0.157	-0.07	17.48	18.50	1.265	0.463	22.2
Left side	100	QPSK 135_69	650000/3750	100%	0.456	0.186	0.14	17.48	18.50	1.265	0.577	22.2
Top side	100	QPSK 135_69	650000/3750	100%	0.058	0.023	-0.10	17.48	18.50	1.265	0.073	22.2
Back side	100	QPSK 135_69	652400/3786	100%	0.348	0.143	-0.14	17.44	18.50	1.276	0.444	22.2
Back side	100	QPSK 135_69	654800/3822	100%	0.324	0.132	0.02	17.32	18.50	1.312	0.425	22.2
Back side	100	QPSK 135_69	657200/3858	100%	0.281	0.121	-0.15	17.28	18.50	1.324	0.372	22.2
Back side	100	QPSK 135_69	659600/3894	100%	0.263	0.115	-0.06	17.17	18.50	1.358	0.357	22.2
Back side	100	QPSK 135_69	662000/3930	100%	0.233	0.104	0.09	17.07	18.50	1.390	0.324	22.2
Left side	100	QPSK 135_69	652400/3786	100%	0.419	0.173	0.14	17.44	18.50	1.276	0.535	22.2
Left side	100	QPSK 135_69	654800/3822	100%	0.443	0.169	0.12	17.32	18.50	1.312	0.581	22.2
Left side	100	QPSK 135_69	657200/3858	100%	0.412	0.158	0.19	17.28	18.50	1.324	0.546	22.2
Left side	100	QPSK 135_69	659600/3894	100%	0.353	0.142	0.04	17.17	18.50	1.358	0.479	22.2
Left side	100	QPSK 135_69	662000/3930	100%	0.311	0.128	-0.05	17.07	18.50	1.390	0.432	22.2
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 off DSI 4												
Back side 13mm	100	QPSK 1_137	650000/3750	100%	0.712	0.319	-0.01	22.35	23.50	1.303	0.416	22.2
Left side 15mm	100	QPSK 1_137	650000/3750	100%	0.720	0.317	0.02	22.35	23.50	1.303	0.413	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Back side 13mm	100	QPSK 135_69	650000/3750	100%	0.731	0.328	0.04	22.45	23.50	1.274	0.418	22.2
Left side 15mm	100	QPSK 135_69	650000/3750	100%	0.740	0.326	-0.14	22.45	23.50	1.274	0.415	22.2
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Back side	100	QPSK 1_1	650000/3750	100%	4.440	1.520	0.00	18.83	20.00	1.309	1.990	22.2
Left side	100	QPSK 1_1	650000/3750	100%	3.760	1.320	-0.01	18.83	20.00	1.309	1.728	22.2
Back side	100	QPSK 1_137	652400/3786	100%	4.160	1.400	0.08	18.80	20.00	1.318	1.846	22.2
Back side	100	QPSK 1_137	654800/3822	100%	4.050	1.360	-0.03	18.78	20.00	1.324	1.801	22.2
Back side	100	QPSK 1_137	657200/3858	100%	4.200	1.480	0.17	18.77	20.00	1.327	1.965	22.2
Back side	100	QPSK 1_1	659600/3894	100%	4.950	1.610	0.05	18.59	20.00	1.384	2.228	22.2
Back side	100	QPSK 1_137	662000/3930	100%	3.980	1.260	0.19	18.47	20.00	1.422	1.792	22.2
Left side	100	QPSK 1_137	652400/3786	100%	3.260	1.150	0.12	18.80	20.00	1.318	1.516	22.2
Left side	100	QPSK 1_137	654800/3822	100%	2.970	1.050	0.16	18.78	20.00	1.324	1.391	22.2
Left side	100	QPSK 1_137	657200/3858	100%	2.940	1.020	-0.16	18.77	20.00	1.327	1.354	22.2
Left side	100	QPSK 1_1	659600/3894	100%	2.790	0.974	-0.06	18.59	20.00	1.384	1.348	22.2
Left side	100	QPSK 1_137	662000/3930	100%	3.250	1.130	0.00	18.47	20.00	1.422	1.607	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Back side	100	QPSK 135_69	650000/3750	100%	4.980	1.530	0.10	19.01	20.00	1.256	1.922	22.2
Left side	100	QPSK 135_69	650000/3750	100%	3.660	1.280	-0.14	19.01	20.00	1.256	1.608	22.2



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

Report No.: SZCR250100029101

Page: 152 of 213

Back side	100	QPSK 135_69	652400/3786	100%	4.260	1.490	0.18	18.93	20.00	1.279	1.906	22.2
Back side	100	QPSK 135_69	654800/3822	100%	4.190	1.460	0.06	18.83	20.00	1.309	1.911	22.2
Back side	100	QPSK 135_69	657200/3858	100%	3.930	1.380	-0.12	18.80	20.00	1.318	1.819	22.2
Back side	100	QPSK 135_69	659600/3894	100%	3.630	1.270	0.03	18.65	20.00	1.365	1.733	22.2
Back side	100	QPSK 135_69	662000/3930	100%	3.370	1.170	0.05	18.54	20.00	1.400	1.638	22.2
Left side	100	QPSK 135_69	652400/3786	100%	3.340	1.180	0.18	18.93	20.00	1.279	1.510	22.2
Left side	100	QPSK 135_69	654800/3822	100%	3.110	1.100	0.13	18.83	20.00	1.309	1.440	22.2
Left side	100	QPSK 135_69	657200/3858	100%	3.070	1.070	-0.11	18.80	20.00	1.318	1.411	22.2
Left side	100	QPSK 135_69	659600/3894	100%	3.390	1.170	-0.07	18.65	20.00	1.365	1.597	22.2
Left side	100	QPSK 135_69	662000/3930	100%	3.370	1.170	-0.10	18.54	20.00	1.400	1.638	22.2
Product specific 10g SAR Test data (Separate 0mm 100%RB) Sensor on DSI 5												
Back side	100	QPSK 270_0	650000/3750	100%	3.450	1.200	-0.12	17.64	19.00	1.368	1.641	22.2
Ant 12 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) DSI 2												
Left cheek	100	QPSK 1_137	652400/3786	100%	0.116	0.055	-0.04	15.79	16.20	1.099	0.127	22.1
Left tilted	100	QPSK 1_137	652400/3786	100%	0.094	0.043	0.19	15.79	16.20	1.099	0.103	22.1
Right cheek	100	QPSK 1_137	652400/3786	100%	0.361	0.148	0.07	15.79	16.20	1.099	0.397	22.1
Right tilted	100	QPSK 1_137	652400/3786	100%	0.208	0.089	0.10	15.79	16.20	1.099	0.229	22.1
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	652400/3786	100%	0.115	0.054	-0.04	15.88	16.20	1.076	0.124	22.1
Left tilted	100	QPSK 135_69	652400/3786	100%	0.103	0.048	0.15	15.88	16.20	1.076	0.111	22.1
Right cheek	100	QPSK 135_69	652400/3786	100%	0.365	0.149	-0.05	15.88	16.20	1.076	0.393	22.1
Right tilted	100	QPSK 135_69	652400/3786	100%	0.208	0.090	0.13	15.88	16.20	1.076	0.224	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	652400/3786	100%	0.232	0.113	-0.18	23.31	23.70	1.094	0.254	22.2
Back side	100	QPSK 1_137	652400/3786	100%	0.262	0.123	0.03	23.31	23.70	1.094	0.287	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	650000/3750	100%	0.290	0.138	0.15	23.41	23.70	1.069	0.310	22.2
Back side	100	QPSK 135_69	650000/3750	100%	0.312	0.143	-0.01	23.41	23.70	1.069	0.334	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	657200/3858	100%	0.127	0.060	0.05	19.31	19.70	1.094	0.139	22.2
Back side	100	QPSK 1_137	657200/3858	100%	0.165	0.070	-0.14	19.31	19.70	1.094	0.181	22.2
Left side	100	QPSK 1_137	657200/3858	100%	0.186	0.075	0.04	19.31	19.70	1.094	0.203	22.2
Top side	100	QPSK 1_137	657200/3858	100%	0.091	0.040	0.03	19.31	19.70	1.094	0.100	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	652400/3786	100%	0.177	0.084	-0.01	19.44	19.70	1.062	0.188	22.2
Back side	100	QPSK 135_69	652400/3786	100%	0.206	0.092	0.01	19.44	19.70	1.062	0.219	22.2
Left side	100	QPSK 135_69	652400/3786	100%	0.233	0.097	-0.06	19.44	19.70	1.062	0.247	22.2
Top side	100	QPSK 135_69	652400/3786	100%	0.134	0.058	0.08	19.44	19.70	1.062	0.142	22.2
Ant 21 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)



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

Report No.: SZCR250100029101

Page: 153 of 213

Head Test Data (1RB) DSI 2												
Left cheek	100	QPSK 1_1	659600/3894	100%	0.324	0.125	-0.07	14.16	15.20	1.271	0.412	22.1
Left tilted	100	QPSK 1_1	659600/3894	100%	0.331	0.121	0.02	14.16	15.20	1.271	0.421	22.1
Right cheek	100	QPSK 1_1	659600/3894	100%	0.163	0.066	0.11	14.16	15.20	1.271	0.207	22.1
Right tilted	100	QPSK 1_1	659600/3894	100%	0.187	0.074	-0.16	14.16	15.20	1.271	0.238	22.1
Left cheek	100	QPSK 1_137	650000/3750	100%	0.345	0.138	-0.01	14.12	15.20	1.282	0.442	22.1
Left cheek	100	QPSK 1_137	652400/3786	100%	0.318	0.124	-0.09	14.02	15.20	1.312	0.417	22.1
Left cheek	100	QPSK 1_1	654800/3822	100%	0.332	0.132	0.01	14.12	15.20	1.282	0.426	22.1
Left cheek	100	QPSK 1_1	657200/3858	100%	0.297	0.118	-0.06	14.11	15.20	1.285	0.382	22.1
Left cheek	100	QPSK 1_271	662000/3930	100%	0.273	0.104	0.04	14.11	15.20	1.285	0.351	22.1
Left tilted	100	QPSK 1_137	650000/3750	100%	0.395	0.150	-0.07	14.12	15.20	1.282	0.507	22.1
Left tilted	100	QPSK 1_137	652400/3786	100%	0.359	0.134	0.11	14.02	15.20	1.312	0.471	22.1
Left tilted	100	QPSK 1_1	654800/3822	100%	0.372	0.137	0.08	14.12	15.20	1.282	0.477	22.1
Left tilted	100	QPSK 1_1	657200/3858	100%	0.343	0.127	-0.08	14.11	15.20	1.285	0.441	22.1
Left tilted	100	QPSK 1_271	662000/3930	100%	0.260	0.093	-0.14	14.11	15.20	1.285	0.334	22.1
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	650000/3750	100%	0.371	0.146	-0.19	14.29	15.20	1.233	0.457	22.1
Left tilted	100	QPSK 135_69	650000/3750	100%	0.395	0.149	0.11	14.29	15.20	1.233	0.487	22.1
Right cheek	100	QPSK 135_69	650000/3750	100%	0.210	0.088	-0.18	14.29	15.20	1.233	0.259	22.1
Right tilted	100	QPSK 135_69	650000/3750	100%	0.230	0.096	-0.09	14.29	15.20	1.233	0.284	22.1
Left cheek	100	QPSK 135_69	652400/3786	100%	0.327	0.129	-0.13	14.17	15.20	1.268	0.415	22.1
Left cheek	100	QPSK 135_69	654800/3822	100%	0.311	0.120	-0.04	14.21	15.20	1.256	0.391	22.1
Left cheek	100	QPSK 135_69	657200/3858	100%	0.299	0.116	0.10	14.19	15.20	1.262	0.377	22.1
Left cheek	100	QPSK 135_69	659600/3894	100%	0.319	0.123	-0.12	14.20	15.20	1.259	0.402	22.1
Left cheek	100	QPSK 135_69	662000/3930	100%	0.291	0.109	0.09	14.19	15.20	1.262	0.367	22.1
Left tilted	100	QPSK 135_69	652400/3786	100%	0.369	0.139	0.14	14.17	15.20	1.268	0.468	22.1
Left tilted	100	QPSK 135_69	654800/3822	100%	0.344	0.128	-0.02	14.21	15.20	1.256	0.432	22.1
Left tilted	100	QPSK 135_69	657200/3858	100%	0.330	0.122	0.10	14.19	15.20	1.262	0.416	22.1
Left tilted	100	QPSK 135_69	659600/3894	100%	0.320	0.118	0.19	14.20	15.20	1.259	0.403	22.1
Left tilted	100	QPSK 135_69	662000/3930	100%	0.304	0.111	0.11	14.19	15.20	1.262	0.384	22.1
Head Test Data (1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_1	659600/3894	100%	0.324	0.125	-0.07	14.16	12.20	0.637	0.206	22.1
Left tilted	100	QPSK 1_1	659600/3894	100%	0.331	0.121	0.02	14.16	12.20	0.637	0.211	22.1
Right cheek	100	QPSK 1_1	659600/3894	100%	0.163	0.066	0.11	14.16	12.20	0.637	0.104	22.1
Right tilted	100	QPSK 1_1	659600/3894	100%	0.187	0.074	-0.16	14.16	12.20	0.637	0.119	22.1
Left cheek	100	QPSK 1_137	650000/3750	100%	0.345	0.138	-0.01	14.12	12.20	1.282	0.442	22.1
Left cheek	100	QPSK 1_137	652400/3786	100%	0.318	0.124	-0.09	14.02	12.20	1.312	0.417	22.1
Left cheek	100	QPSK 1_1	654800/3822	100%	0.332	0.132	0.01	14.12	12.20	1.282	0.426	22.1
Left cheek	100	QPSK 1_1	657200/3858	100%	0.297	0.118	-0.06	14.11	12.20	1.285	0.382	22.1
Left cheek	100	QPSK 1_271	662000/3930	100%	0.273	0.104	0.04	14.11	12.20	1.285	0.351	22.1
Left tilted	100	QPSK 1_137	650000/3750	100%	0.395	0.150	-0.07	14.12	12.20	0.643	0.254	22.1
Left tilted	100	QPSK 1_137	652400/3786	100%	0.359	0.134	0.11	14.02	12.20	0.658	0.236	22.1
Left tilted	100	QPSK 1_1	654800/3822	100%	0.372	0.137	0.08	14.12	12.20	0.643	0.239	22.1
Left tilted	100	QPSK 1_1	657200/3858	100%	0.343	0.127	-0.08	14.11	12.20	0.644	0.221	22.1



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

Report No.: SZCR250100029101

Page: 154 of 213

Left tilted	100	QPSK 1_271	662000/3930	100%	0.260	0.093	-0.14	14.11	12.20	0.644	0.167	22.1
Head Test Data (50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	650000/3750	100%	0.371	0.146	-0.19	14.29	12.20	0.618	0.229	22.1
Left tilted	100	QPSK 135_69	650000/3750	100%	0.395	0.149	0.11	14.29	12.20	0.618	0.244	22.1
Right cheek	100	QPSK 135_69	650000/3750	100%	0.210	0.088	-0.18	14.29	12.20	0.618	0.130	22.1
Right tilted	100	QPSK 135_69	650000/3750	100%	0.230	0.096	-0.09	14.29	12.20	0.618	0.142	22.1
Left cheek	100	QPSK 135_69	652400/3786	100%	0.327	0.129	-0.13	14.17	12.20	1.268	0.415	22.1
Left cheek	100	QPSK 135_69	654800/3822	100%	0.311	0.120	-0.04	14.21	12.20	1.256	0.391	22.1
Left cheek	100	QPSK 135_69	657200/3858	100%	0.299	0.116	0.10	14.19	12.20	1.262	0.377	22.1
Left cheek	100	QPSK 135_69	659600/3894	100%	0.319	0.123	-0.12	14.20	12.20	1.259	0.402	22.1
Left cheek	100	QPSK 135_69	662000/3930	100%	0.291	0.109	0.09	14.19	12.20	1.262	0.367	22.1
Left tilted	100	QPSK 135_69	652400/3786	100%	0.369	0.139	0.14	14.17	12.20	0.635	0.234	22.1
Left tilted	100	QPSK 135_69	654800/3822	100%	0.344	0.128	-0.02	14.21	12.20	0.630	0.217	22.1
Left tilted	100	QPSK 135_69	657200/3858	100%	0.330	0.122	0.10	14.19	12.20	0.632	0.209	22.1
Left tilted	100	QPSK 135_69	659600/3894	100%	0.320	0.118	0.19	14.20	12.20	0.631	0.202	22.1
Left tilted	100	QPSK 135_69	662000/3930	100%	0.304	0.111	0.11	14.19	12.20	0.632	0.192	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	650000/3750	100%	0.126	0.580	0.08	18.20	19.20	1.259	0.159	22.2
Back side	100	QPSK 1_137	650000/3750	100%	0.206	0.088	0.04	18.20	19.20	1.259	0.259	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	654800/3822	100%	0.108	0.049	-0.16	18.27	19.20	1.239	0.134	22.2
Back side	100	QPSK 135_69	654800/3822	100%	0.182	0.077	0.01	18.27	19.20	1.239	0.225	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	654800/3822	100%	0.137	0.060	0.15	16.72	17.70	1.253	0.172	22.2
Back side	100	QPSK 1_137	654800/3822	100%	0.303	0.122	-0.14	16.72	17.70	1.253	0.380	22.2
Right side	100	QPSK 1_137	654800/3822	100%	0.069	0.032	0.08	16.72	17.70	1.253	0.086	22.2
Top side	100	QPSK 1_137	654800/3822	100%	0.196	0.087	-0.14	16.72	17.70	1.253	0.246	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	662000/3930	100%	0.125	0.053	0.05	16.77	17.70	1.239	0.155	22.2
Back side	100	QPSK 135_69	662000/3930	100%	0.301	0.111	-0.05	16.77	17.70	1.239	0.373	22.2
Right side	100	QPSK 135_69	662000/3930	100%	0.060	0.028	0.14	16.77	17.70	1.239	0.074	22.2
Top side	100	QPSK 135_69	662000/3930	100%	0.148	0.066	-0.02	16.77	17.70	1.239	0.183	22.2
Ant 23 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) DSI 2												
Left cheek	100	QPSK 1_137	652400/3786	100%	0.587	0.231	-0.14	15.53	16.90	1.371	0.805	22.1
Left tilted	100	QPSK 1_137	652400/3786	100%	0.152	0.068	0.12	15.53	16.90	1.371	0.208	22.1
Right cheek	100	QPSK 1_137	652400/3786	100%	0.216	0.101	-0.12	15.53	16.90	1.371	0.296	22.1
Right tilted	100	QPSK 1_137	652400/3786	100%	0.067	0.032	0.17	15.53	16.90	1.371	0.092	22.1
Left cheek	100	QPSK 1_1	650000/3750	100%	0.635	0.231	0.04	15.48	16.90	1.387	0.881	22.1
Left cheek	100	QPSK 1_1	654800/3822	100%	0.611	0.240	0.03	15.51	16.90	1.377	0.841	22.1
Left cheek	100	QPSK 1_137	657200/3858	100%	0.526	0.205	-0.03	15.50	16.90	1.380	0.726	22.1
Left cheek	100	QPSK 1_1	659600/3894	100%	0.531	0.206	-0.15	15.36	16.90	1.426	0.757	22.1



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

Report No.: SZCR250100029101

Page: 155 of 213

Left cheek	100	QPSK 1_1	662000/3930	100%	0.506	0.197	0.12	15.26	16.90	1.459	0.738	22.1
Head Test Data(50%RB) DSI 2												
Left cheek	100	QPSK 135_69	657200/3858	100%	0.538	0.212	0.01	15.59	16.90	1.352	0.727	22.1
Left tilted	100	QPSK 135_69	657200/3858	100%	0.133	0.063	0.04	15.59	16.90	1.352	0.180	22.1
Right cheek	100	QPSK 135_69	657200/3858	100%	0.206	0.095	0.18	15.59	16.90	1.352	0.279	22.1
Right tilted	100	QPSK 135_69	657200/3858	100%	0.060	0.028	-0.12	15.59	16.90	1.352	0.081	22.1
Left cheek	100	QPSK 135_69	650000/3750	100%	0.601	0.227	0.11	15.50	16.90	1.380	0.830	22.1
Left cheek	100	QPSK 135_69	652400/3786	100%	0.603	0.237	0.01	15.52	16.90	1.374	0.829	22.1
Left cheek	100	QPSK 135_69	654800/3822	100%	0.570	0.222	0.16	15.45	16.90	1.396	0.796	22.1
Left cheek	100	QPSK 135_69	659600/3894	100%	0.515	0.200	-0.01	15.36	16.90	1.426	0.734	22.1
Left cheek	100	QPSK 135_69	662000/3930	100%	0.468	0.182	-0.01	15.25	16.90	1.462	0.684	22.1
Head Test Data(100%RB) DSI 2												
Left cheek	100	QPSK 270_0	650000/3750	100%	0.545	0.206	-0.02	14.58	15.90	1.355	0.739	22.1
Head Test Data(1RB) DSI 3												
Left cheek	100	QPSK 1_137	652400/3786	100%	0.587	0.231	-0.14	15.53	15.90	1.089	0.639	22.1
Left tilted	100	QPSK 1_137	652400/3786	100%	0.152	0.068	0.12	15.53	15.90	1.089	0.166	22.1
Right cheek	100	QPSK 1_137	652400/3786	100%	0.216	0.101	-0.12	15.53	15.90	1.089	0.235	22.1
Right tilted	100	QPSK 1_137	652400/3786	100%	0.067	0.032	0.17	15.53	15.90	1.089	0.073	22.1
Left cheek	100	QPSK 1_1	650000/3750	100%	0.635	0.231	0.04	15.48	15.90	1.102	0.699	22.1
Left cheek	100	QPSK 1_1	654800/3822	100%	0.611	0.240	0.03	15.51	15.90	1.094	0.668	22.1
Left cheek	100	QPSK 1_137	657200/3858	100%	0.526	0.205	-0.03	15.50	15.90	1.096	0.577	22.1
Left cheek	100	QPSK 1_1	659600/3894	100%	0.531	0.206	-0.15	15.36	15.90	1.132	0.601	22.1
Left cheek	100	QPSK 1_1	662000/3930	100%	0.506	0.197	0.12	15.26	15.90	1.159	0.586	22.1
Head Test Data(50%RB) DSI 3												
Left cheek	100	QPSK 135_69	657200/3858	100%	0.538	0.212	0.01	15.59	15.90	1.074	0.578	22.1
Left tilted	100	QPSK 135_69	657200/3858	100%	0.133	0.063	0.04	15.59	15.90	1.074	0.143	22.1
Right cheek	100	QPSK 135_69	657200/3858	100%	0.206	0.095	0.18	15.59	15.90	1.074	0.221	22.1
Right tilted	100	QPSK 135_69	657200/3858	100%	0.060	0.028	-0.12	15.59	15.90	1.074	0.064	22.1
Left cheek	100	QPSK 135_69	650000/3750	100%	0.601	0.227	0.11	15.50	15.90	1.096	0.659	22.1
Left cheek	100	QPSK 135_69	652400/3786	100%	0.603	0.237	0.01	15.52	15.90	1.091	0.658	22.1
Left cheek	100	QPSK 135_69	654800/3822	100%	0.570	0.222	0.16	15.45	15.90	1.109	0.632	22.1
Left cheek	100	QPSK 135_69	659600/3894	100%	0.515	0.200	-0.01	15.36	15.90	1.132	0.583	22.1
Left cheek	100	QPSK 135_69	662000/3930	100%	0.468	0.182	-0.01	15.25	15.90	1.161	0.544	22.1
Head Test Data(100%RB) DSI 3												
Left cheek	100	QPSK 270_0	650000/3750	100%	0.545	0.206	-0.02	14.58	14.90	1.076	0.587	22.1
Head Test Data(1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_137	652400/3786	100%	0.587	0.231	-0.14	15.53	13.90	0.687	0.403	22.1
Left tilted	100	QPSK 1_137	652400/3786	100%	0.152	0.068	0.12	15.53	13.90	0.687	0.104	22.1
Right cheek	100	QPSK 1_137	652400/3786	100%	0.216	0.101	-0.12	15.53	13.90	0.687	0.148	22.1
Right tilted	100	QPSK 1_137	652400/3786	100%	0.067	0.032	0.17	15.53	13.90	0.687	0.046	22.1
Left cheek	100	QPSK 1_1	650000/3750	100%	0.635	0.231	0.04	15.48	13.90	0.695	0.441	22.1
Left cheek	100	QPSK 1_1	654800/3822	100%	0.611	0.240	0.03	15.51	13.90	0.690	0.422	22.1
Left cheek	100	QPSK 1_137	657200/3858	100%	0.526	0.205	-0.03	15.50	13.90	0.692	0.364	22.1



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

Report No.: SZCR250100029101

Page: 156 of 213

Left cheek	100	QPSK 1_1	659600/3894	100%	0.531	0.206	-0.15	15.36	13.90	0.714	0.379	22.1
Left cheek	100	QPSK 1_1	662000/3930	100%	0.506	0.197	0.12	15.26	13.90	0.731	0.370	22.1
Head Test Data(50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	657200/3858	100%	0.538	0.212	0.01	15.59	13.90	0.678	0.365	22.1
Left tilted	100	QPSK 135_69	657200/3858	100%	0.133	0.063	0.04	15.59	13.90	0.678	0.090	22.1
Right cheek	100	QPSK 135_69	657200/3858	100%	0.206	0.095	0.18	15.59	13.90	0.678	0.140	22.1
Right tilted	100	QPSK 135_69	657200/3858	100%	0.060	0.028	-0.12	15.59	13.90	0.678	0.041	22.1
Left cheek	100	QPSK 135_69	650000/3750	100%	0.601	0.227	0.11	15.50	13.90	0.692	0.416	22.1
Left cheek	100	QPSK 135_69	652400/3786	100%	0.603	0.237	0.01	15.52	13.90	0.689	0.415	22.1
Left cheek	100	QPSK 135_69	654800/3822	100%	0.570	0.222	0.16	15.45	13.90	0.700	0.399	22.1
Left cheek	100	QPSK 135_69	659600/3894	100%	0.515	0.200	-0.01	15.36	13.90	0.714	0.368	22.1
Left cheek	100	QPSK 135_69	662000/3930	100%	0.468	0.182	-0.01	15.25	13.90	0.733	0.343	22.1
Head Test Data(100%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 270_0	650000/3750	100%	0.545	0.206	-0.02	14.58	12.90	0.679	0.370	22.1
Body worn Test data(Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	657200/3858	100%	0.152	0.065	0.12	19.02	20.40	1.374	0.209	22.2
Back side	100	QPSK 1_137	657200/3858	100%	0.169	0.071	-0.13	19.02	20.40	1.374	0.232	22.2
Body worn Test data(Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	657200/3858	100%	0.146	0.064	-0.18	19.00	20.40	1.380	0.202	22.2
Back side	100	QPSK 135_69	657200/3858	100%	0.170	0.070	-0.13	19.00	20.40	1.380	0.235	22.2
Hotspot Test data(Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_1	654800/3822	100%	0.250	0.105	-0.14	18.03	19.40	1.371	0.343	22.2
Back side	100	QPSK 1_1	654800/3822	100%	0.390	0.153	0.07	18.03	19.40	1.371	0.535	22.2
Right side	100	QPSK 1_1	654800/3822	100%	0.475	0.187	-0.15	18.03	19.40	1.371	0.651	22.2
Top side	100	QPSK 1_1	654800/3822	100%	0.042	0.010	-0.17	18.03	19.40	1.371	0.058	22.2
Back side	100	QPSK 1_1	650000/3750	100%	0.394	0.168	-0.01	18.01	19.40	1.377	0.543	22.2
Back side	100	QPSK 1_1	652400/3786	100%	0.432	0.163	0.19	18.01	19.40	1.377	0.595	22.2
Back side	100	QPSK 1_1	657200/3858	100%	0.364	0.134	0.05	17.91	19.40	1.409	0.513	22.2
Back side	100	QPSK 1_1	659600/3894	100%	0.339	0.126	-0.16	17.73	19.40	1.469	0.498	22.2
Back side	100	QPSK 1_1	662000/3930	100%	0.321	0.118	-0.04	17.79	19.40	1.449	0.465	22.2
Right side	100	QPSK 1_1	650000/3750	100%	0.566	0.208	0.14	18.01	19.40	1.377	0.780	22.2
Right side	100	QPSK 1_1	652400/3786	100%	0.430	0.173	-0.02	18.01	19.40	1.377	0.592	22.2
Right side	100	QPSK 1_1	657200/3858	100%	0.407	0.166	-0.01	17.91	19.40	1.409	0.574	22.2
Right side	100	QPSK 1_1	659600/3894	100%	0.420	0.165	-0.18	17.73	19.40	1.469	0.617	22.2
Right side	100	QPSK 1_1	662000/3930	100%	0.398	0.159	0.04	17.79	19.40	1.449	0.577	22.2
Hotspot Test data(Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	654800/3822	100%	0.236	0.102	0.12	18.10	19.40	1.349	0.318	22.2
Back side	100	QPSK 135_69	654800/3822	100%	0.354	0.138	-0.04	18.10	19.40	1.349	0.478	22.2
Right side	100	QPSK 135_69	654800/3822	100%	0.405	0.167	0.01	18.10	19.40	1.349	0.546	22.2
Top side	100	QPSK 135_69	654800/3822	100%	0.048	0.021	-0.02	18.10	19.40	1.349	0.065	22.2
Back side	100	QPSK 135_69	650000/3750	100%	0.375	0.156	-0.14	17.92	19.40	1.406	0.527	22.2
Back side	100	QPSK 135_69	652400/3786	100%	0.353	0.145	0.06	17.96	19.40	1.393	0.492	22.2
Back side	100	QPSK 135_69	657200/3858	100%	0.318	0.126	0.11	18.03	19.40	1.371	0.436	22.2



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

Report No.: SZCR250100029101

Page: 157 of 213

Back side	100	QPSK 135_69	659600/3894	100%	0.304	0.113	-0.17	17.86	19.40	1.426	0.433	22.2
Back side	100	QPSK 135_69	662000/3930	100%	0.265	0.100	-0.18	17.74	19.40	1.466	0.388	22.2
Right side	100	QPSK 135_69	650000/3750	100%	0.582	0.224	0.19	17.92	19.40	1.406	0.818	22.2
Right side	100	QPSK 135_69	652400/3786	100%	0.427	0.176	-0.11	17.96	19.40	1.393	0.595	22.2
Right side	100	QPSK 135_69	657200/3858	100%	0.415	0.168	-0.11	18.03	19.40	1.371	0.569	22.2
Right side	100	QPSK 135_69	659600/3894	100%	0.437	0.177	-0.10	17.86	19.40	1.426	0.623	22.2
Right side	100	QPSK 135_69	662000/3930	100%	0.371	0.151	-0.05	17.74	19.40	1.466	0.544	22.2
Hotspot Test data(Separate 10mm 100%RB) DSI 10												
Right side	100	QPSK 270_0	650000/3750	100%	0.368	0.144	0.16	17.00	18.40	1.380	0.508	22.2
Hotspot Test data(Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_1	654800/3822	100%	0.250	0.105	-0.14	18.03	16.40	0.687	0.172	22.2
Back side	100	QPSK 1_1	654800/3822	100%	0.390	0.153	0.07	18.03	16.40	0.687	0.268	22.2
Right side	100	QPSK 1_1	654800/3822	100%	0.475	0.187	-0.15	18.03	16.40	0.687	0.326	22.2
Top side	100	QPSK 1_1	654800/3822	100%	0.042	0.010	-0.17	18.03	16.40	0.687	0.029	22.2
Back side	100	QPSK 1_1	650000/3750	100%	0.394	0.168	-0.01	18.01	16.40	0.690	0.272	22.2
Back side	100	QPSK 1_1	652400/3786	100%	0.432	0.163	0.19	18.01	16.40	0.690	0.298	22.2
Back side	100	QPSK 1_1	657200/3858	100%	0.364	0.134	0.05	17.91	16.40	0.706	0.257	22.2
Back side	100	QPSK 1_1	659600/3894	100%	0.339	0.126	-0.16	17.73	16.40	0.736	0.250	22.2
Back side	100	QPSK 1_1	662000/3930	100%	0.321	0.118	-0.04	17.79	16.40	0.726	0.233	22.2
Right side	100	QPSK 1_1	650000/3750	100%	0.566	0.208	0.14	18.01	16.40	0.690	0.391	22.2
Right side	100	QPSK 1_1	652400/3786	100%	0.430	0.173	-0.02	18.01	16.40	0.690	0.297	22.2
Right side	100	QPSK 1_1	657200/3858	100%	0.407	0.166	-0.01	17.91	16.40	0.706	0.287	22.2
Right side	100	QPSK 1_1	659600/3894	100%	0.420	0.165	-0.18	17.73	16.40	0.736	0.309	22.2
Right side	100	QPSK 1_1	662000/3930	100%	0.398	0.159	0.04	17.79	16.40	0.726	0.289	22.2
Hotspot Test data(Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	654800/3822	100%	0.236	0.102	0.12	18.10	16.40	0.676	0.160	22.2
Back side	100	QPSK 135_69	654800/3822	100%	0.354	0.138	-0.04	18.10	16.40	0.676	0.239	22.2
Right side	100	QPSK 135_69	654800/3822	100%	0.405	0.167	0.01	18.10	16.40	0.676	0.274	22.2
Top side	100	QPSK 135_69	654800/3822	100%	0.048	0.021	-0.02	18.10	16.40	0.676	0.032	22.2
Back side	100	QPSK 135_69	650000/3750	100%	0.375	0.156	-0.14	17.92	16.40	0.705	0.264	22.2
Back side	100	QPSK 135_69	652400/3786	100%	0.353	0.145	0.06	17.96	16.40	0.698	0.246	22.2
Back side	100	QPSK 135_69	657200/3858	100%	0.318	0.126	0.11	18.03	16.40	0.687	0.218	22.2
Back side	100	QPSK 135_69	659600/3894	100%	0.304	0.113	-0.17	17.86	16.40	0.714	0.217	22.2
Back side	100	QPSK 135_69	662000/3930	100%	0.265	0.100	-0.18	17.74	16.40	0.735	0.195	22.2
Right side	100	QPSK 135_69	650000/3750	100%	0.582	0.224	0.19	17.92	16.40	0.705	0.410	22.2
Right side	100	QPSK 135_69	652400/3786	100%	0.427	0.176	-0.11	17.96	16.40	0.698	0.298	22.2
Right side	100	QPSK 135_69	657200/3858	100%	0.415	0.168	-0.11	18.03	16.40	0.687	0.285	22.2
Right side	100	QPSK 135_69	659600/3894	100%	0.437	0.177	-0.10	17.86	16.40	0.714	0.312	22.2
Right side	100	QPSK 135_69	662000/3930	100%	0.371	0.151	-0.05	17.74	16.40	0.735	0.273	22.2
Hotspot Test data(Separate 10mm 100%RB) DSI 10												
Right side	100	QPSK 270_0	650000/3750	100%	0.368	0.144	0.16	17.00	15.40	1.380	0.508	22.2

(for original report SZCR241200494509)



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

Report No.: SZCR250100029101

Page: 158 of 213

N77 SAR Test Record												
Ant 11 Test Record												
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducte d Power(dB m)	Tune up Limit(dB m)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body worn Test data (Separate 15mm 1RB) DSI 4												
Back side	100	QPSK 1_137	650000/3750	100%	0.486	0.215	-0.06	22.35	23.50	1.303	0.633	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)	Conducte d power(dB m)	Tune up Limit(dB m)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Back side	100	QPSK 1_1	659600/3894	100%	3.990	1.340	0.04	18.59	20.00	1.384	1.854	22.1
Ant 23 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)	Conducte d Power(dB m)	Tune up Limit(dB m)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data(1RB) DSI 2												
Left cheek	100	QPSK 1_1	650000/3750	100%	0.557	0.208	-0.10	15.48	16.90	1.387	0.772	22.1
Hotspot Test data(Separate 10mm 50%RB) DSI 10												
Right side	100	QPSK 135_69	650000/3750	100%	0.535	0.204	0.05	17.92	19.40	1.406	0.752	22.1

(for new report SZCR250100029101)



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

Report No.: SZCR250100029101

Page: 159 of 213

8.2.20 SAR Result of NR Band n78 (3450-3550)

N78 SAR Test Record												
Ant 11 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) DSI 2												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.159	0.074	-0.17	16.73	17.50	1.194	0.190	22.4
Left tilted	100	QPSK 1_137	633334/3500	100%	0.073	0.018	0.00	16.73	17.50	1.194	0.087	22.4
Right cheek	100	QPSK 1_137	633334/3500	100%	0.425	0.183	-0.12	16.73	17.50	1.194	0.507	22.4
Right tilted	100	QPSK 1_137	633334/3500	100%	0.154	0.067	-0.05	16.73	17.50	1.194	0.184	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.166	0.078	0.17	16.91	17.50	1.146	0.190	22.4
Left tilted	100	QPSK 135_69	633334/3500	100%	0.065	0.030	-0.14	16.91	17.50	1.146	0.074	22.4
Right cheek	100	QPSK 135_69	633334/3500	100%	0.442	0.191	-0.10	16.91	17.50	1.146	0.506	22.4
Right tilted	100	QPSK 135_69	633334/3500	100%	0.154	0.067	-0.08	16.91	17.50	1.146	0.176	22.4
Head Test Data (1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.159	0.074	-0.17	16.73	14.50	0.598	0.095	22.4
Left tilted	100	QPSK 1_137	633334/3500	100%	0.073	0.018	0.00	16.73	14.50	0.598	0.044	22.4
Right cheek	100	QPSK 1_137	633334/3500	100%	0.425	0.183	-0.12	16.73	14.50	0.598	0.254	22.4
Right tilted	100	QPSK 1_137	633334/3500	100%	0.154	0.067	-0.05	16.73	14.50	0.598	0.092	22.4
Head Test Data (50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.166	0.078	0.17	16.91	14.50	0.574	0.095	22.4
Left tilted	100	QPSK 135_69	633334/3500	100%	0.065	0.030	-0.14	16.91	14.50	0.574	0.037	22.4
Right cheek	100	QPSK 135_69	633334/3500	100%	0.442	0.191	-0.10	16.91	14.50	0.574	0.254	22.4
Right tilted	100	QPSK 135_69	633334/3500	100%	0.154	0.067	-0.08	16.91	14.50	0.574	0.088	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_1	633334/3500	100%	0.288	0.129	0.12	22.72	23.50	1.197	0.345	22.4
Back side	100	QPSK 1_1	633334/3500	100%	0.373	0.172	-0.11	22.72	23.50	1.197	0.446	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	633334/3500	100%	0.246	0.115	0.08	22.87	23.50	1.156	0.284	22.4
Back side	100	QPSK 135_69	633334/3500	100%	0.331	0.153	0.16	22.87	23.50	1.156	0.383	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	633334/3500	100%	0.111	0.047	0.06	16.73	17.50	1.194	0.133	22.4
Back side	100	QPSK 1_137	633334/3500	100%	0.159	0.070	0.13	16.73	17.50	1.194	0.190	22.4
Left side	100	QPSK 1_137	633334/3500	100%	0.284	0.114	-0.15	16.73	17.50	1.194	0.339	22.4
Top side	100	QPSK 1_137	633334/3500	100%	0.038	0.010	0.13	16.73	17.50	1.194	0.045	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	633334/3500	100%	0.130	0.052	0.03	16.91	17.50	1.146	0.149	22.4
Back side	100	QPSK 135_69	633334/3500	100%	0.171	0.073	0.04	16.91	17.50	1.146	0.196	22.4
Left side	100	QPSK 135_69	633334/3500	100%	0.322	0.125	-0.05	16.91	17.50	1.146	0.369	22.4
Top side	100	QPSK 135_69	633334/3500	100%	0.038	0.010	-0.13	16.91	17.50	1.146	0.044	22.4



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

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

Report No.: SZCR250100029101

Page: 160 of 213

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 off DSI 4												
Left side 15mm	100	QPSK 1_1	633334/3500	100%	0.679	0.290	0.09	22.72	23.50	1.197	0.347	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Left side 15mm	100	QPSK 135_69	633334/3500	100%	0.593	0.253	0.01	22.87	23.50	1.156	0.292	22.4
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Left side	100	QPSK 1_1	633334/3500	100%	3.730	1.240	0.05	18.67	19.50	1.211	1.501	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Left side	100	QPSK 135_69	633334/3500	100%	3.480	1.160	0.10	18.95	19.50	1.135	1.317	22.4
Ant 12 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) DSI 2												
Left cheek	100	QPSK 1_137	633334/3500	100%	0.214	0.099	-0.01	16.86	17.20	1.081	0.231	22.4
Left tilted	100	QPSK 1_137	633334/3500	100%	0.180	0.084	0.15	16.86	17.20	1.081	0.195	22.4
Right cheek	100	QPSK 1_137	633334/3500	100%	0.567	0.248	0.13	16.86	17.20	1.081	0.613	22.4
Right tilted	100	QPSK 1_137	633334/3500	100%	0.377	0.160	0.14	16.86	17.20	1.081	0.408	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	633334/3500	100%	0.217	0.101	-0.11	16.89	17.20	1.074	0.233	22.4
Left tilted	100	QPSK 135_69	633334/3500	100%	0.185	0.009	0.13	16.89	17.20	1.074	0.199	22.4
Right cheek	100	QPSK 135_69	633334/3500	100%	0.569	0.249	-0.17	16.89	17.20	1.074	0.611	22.4
Right tilted	100	QPSK 135_69	633334/3500	100%	0.384	0.163	0.02	16.89	17.20	1.074	0.412	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	633334/3500	100%	0.384	0.186	-0.04	23.30	23.70	1.096	0.421	22.4
Back side	100	QPSK 1_137	633334/3500	100%	0.441	0.199	0.04	23.30	23.70	1.096	0.484	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	633334/3500	100%	0.399	0.189	0.19	23.27	23.70	1.104	0.441	22.4
Back side	100	QPSK 135_69	633334/3500	100%	0.442	0.203	-0.16	23.27	23.70	1.104	0.488	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	633334/3500	100%	0.261	0.120	-0.16	18.82	19.20	1.091	0.285	22.4
Back side	100	QPSK 1_137	633334/3500	100%	0.301	0.132	-0.04	18.82	19.20	1.091	0.329	22.4
Left side	100	QPSK 1_137	633334/3500	100%	0.238	0.107	-0.17	18.82	19.20	1.091	0.260	22.4
Top side	100	QPSK 1_137	633334/3500	100%	0.136	0.062	0.07	18.82	19.20	1.091	0.148	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	633334/3500	100%	0.272	0.129	0.04	18.91	19.20	1.069	0.291	22.4
Back side	100	QPSK 135_69	633334/3500	100%	0.317	0.134	0.02	18.91	19.20	1.069	0.339	22.4
Left side	100	QPSK 135_69	633334/3500	100%	0.243	0.105	-0.09	18.91	19.20	1.069	0.260	22.4
Top side	100	QPSK 135_69	633334/3500	100%	0.142	0.066	-0.18	18.91	19.20	1.069	0.152	22.4

(for original report SZCR241200494509)



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8.2.21 SAR Result of NR Band n78 (3700-3800)

N78 SAR Test Record												
Ant 11 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) DSI 2												
Left cheek	100	QPSK 1_1	650000/3750	100%	0.252	0.117	-0.01	16.18	17.50	1.355	0.342	22.4
Left tilted	100	QPSK 1_1	650000/3750	100%	0.077	0.037	-0.05	16.18	17.50	1.355	0.104	22.4
Right cheek	100	QPSK 1_1	650000/3750	100%	0.717	0.275	0.02	16.18	17.50	1.355	0.972	22.4
Right tilted	100	QPSK 1_1	650000/3750	100%	0.164	0.072	0.08	16.18	17.50	1.355	0.222	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	650000/3750	100%	0.263	0.125	0.18	16.37	17.50	1.297	0.341	22.4
Left tilted	100	QPSK 135_69	650000/3750	100%	0.075	0.036	0.05	16.37	17.50	1.297	0.097	22.4
Right cheek	100	QPSK 135_69	650000/3750	100%	0.705	0.269	-0.11	16.37	17.50	1.297	0.915	22.4
Right tilted	100	QPSK 135_69	650000/3750	100%	0.157	0.068	0.02	16.37	17.50	1.297	0.204	22.4
Head Test Data (10%RB) DSI 2												
Right cheek	100	QPSK 270_0	650000/3750	100%	0.593	0.225	-0.15	15.60	16.50	1.230	0.730	22.4
Head Test Data (1RB) DSI 2 with ENDC												
Left cheek	100	QPSK 1_1	650000/3750	100%	0.252	0.117	-0.01	16.18	14.50	0.679	0.171	22.4
Left tilted	100	QPSK 1_1	650000/3750	100%	0.077	0.037	-0.05	16.18	14.50	0.679	0.052	22.4
Right cheek	100	QPSK 1_1	650000/3750	100%	0.717	0.275	0.02	16.18	14.50	0.679	0.487	22.4
Right tilted	100	QPSK 1_1	650000/3750	100%	0.164	0.072	0.08	16.18	14.50	0.679	0.111	22.4
Head Test Data (50%RB) DSI 2 with ENDC												
Left cheek	100	QPSK 135_69	650000/3750	100%	0.263	0.125	0.18	16.37	14.50	0.650	0.171	22.4
Left tilted	100	QPSK 135_69	650000/3750	100%	0.075	0.036	0.05	16.37	14.50	0.650	0.049	22.4
Right cheek	100	QPSK 135_69	650000/3750	100%	0.705	0.269	-0.11	16.37	14.50	0.650	0.458	22.4
Right tilted	100	QPSK 135_69	650000/3750	100%	0.157	0.068	0.02	16.37	14.50	0.650	0.102	22.4
Head Test Data (10%RB) DSI 2 with ENDC												
Right cheek	100	QPSK 270_0	650000/3750	100%	0.593	0.225	-0.15	15.60	13.50	0.617	0.366	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_1	650000/3750	100%	0.335	0.148	-0.07	22.14	23.50	1.368	0.458	22.4
Back side	100	QPSK 1_1	650000/3750	100%	0.570	0.251	-0.04	22.14	23.50	1.368	0.780	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	650000/3750	100%	0.340	0.150	-0.03	22.33	23.50	1.309	0.445	22.4
Back side	100	QPSK 135_69	650000/3750	100%	0.534	0.238	0.15	22.33	23.50	1.309	0.699	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4 with ENDC												
Front side	100	QPSK 1_1	650000/3750	100%	0.335	0.148	-0.07	22.14	20.50	0.685	0.230	22.4
Back side	100	QPSK 1_1	650000/3750	100%	0.570	0.251	-0.04	22.14	20.50	0.685	0.391	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4 with ENDC												
Front side	100	QPSK 135_69	650000/3750	100%	0.340	0.150	-0.03	22.33	20.50	0.656	0.223	22.4
Back side	100	QPSK 135_69	650000/3750	100%	0.534	0.238	0.15	22.33	20.50	0.656	0.350	22.4



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

Report No.: SZCR250100029101

Page: 162 of 213

Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_1	650000/3750	100%	0.185	0.076	0.17	16.18	17.50	1.355	0.251	22.4
Back side	100	QPSK 1_1	650000/3750	100%	0.264	0.116	-0.16	16.18	17.50	1.355	0.358	22.4
Left side	100	QPSK 1_1	650000/3750	100%	0.430	0.167	0.07	16.18	17.50	1.355	0.583	22.4
Top side	100	QPSK 1_1	650000/3750	100%	0.057	0.014	-0.05	16.18	17.50	1.355	0.077	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	650000/3750	100%	0.160	0.070	-0.08	16.37	17.50	1.297	0.208	22.4
Back side	100	QPSK 135_69	650000/3750	100%	0.254	0.110	0.13	16.37	17.50	1.297	0.329	22.4
Left side	100	QPSK 135_69	650000/3750	100%	0.384	0.140	-0.13	16.37	17.50	1.297	0.498	22.4
Top side	100	QPSK 135_69	650000/3750	100%	0.045	0.011	0.12	16.37	17.50	1.297	0.058	22.4
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 off DSI 4												
Back side 13mm	100	QPSK 1_1	650000/3750	100%	0.732	0.322	0.10	22.14	23.50	1.368	0.440	22.4
Left side 15mm	100	QPSK 1_1	650000/3750	100%	0.833	0.355	-0.18	22.14	23.50	1.368	0.486	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 4												
Back side 13mm	100	QPSK 135_69	650000/3750	100%	0.699	0.312	-0.18	22.33	23.50	1.309	0.408	22.4
Left side 15mm	100	QPSK 135_69	650000/3750	100%	0.737	0.314	0.02	22.33	23.50	1.309	0.411	22.4
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 5												
Back side	100	QPSK 1_1	650000/3750	100%	4.140	1.400	0.00	18.20	19.50	1.349	1.889	22.4
Left side	100	QPSK 1_1	650000/3750	100%	2.860	1.030	-0.14	18.20	19.50	1.349	1.389	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 5												
Back side	100	QPSK 135_69	650000/3750	100%	3.540	1.220	-0.08	18.37	19.50	1.297	1.583	22.4
Left side	100	QPSK 135_69	650000/3750	100%	2.670	0.976	-0.14	18.37	19.50	1.297	1.266	22.4
Ant 12 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) DSI 2												
Left cheek	100	QPSK 1_137	650000/3750	100%	0.172	0.081	0.12	16.94	17.20	1.062	0.183	22.4
Left tilted	100	QPSK 1_137	650000/3750	100%	0.148	0.068	0.07	16.94	17.20	1.062	0.157	22.4
Right cheek	100	QPSK 1_137	650000/3750	100%	0.510	0.213	-0.17	16.94	17.20	1.062	0.541	22.4
Right tilted	100	QPSK 1_137	650000/3750	100%	0.287	0.126	0.16	16.94	17.20	1.062	0.305	22.4
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	650000/3750	100%	0.167	0.079	0.12	16.74	17.20	1.112	0.186	22.4
Left tilted	100	QPSK 135_69	650000/3750	100%	0.146	0.066	-0.19	16.74	17.20	1.112	0.162	22.4
Right cheek	100	QPSK 135_69	650000/3750	100%	0.460	0.197	-0.08	16.74	17.20	1.112	0.511	22.4
Right tilted	100	QPSK 135_69	650000/3750	100%	0.291	0.129	0.18	16.74	17.20	1.112	0.324	22.4
Body worn Test data (Separate 15mm 1RB) DSI 4												
Front side	100	QPSK 1_137	650000/3750	100%	0.284	0.140	0.01	23.41	23.70	1.069	0.304	22.4
Back side	100	QPSK 1_137	650000/3750	100%	0.308	0.142	-0.02	23.41	23.70	1.069	0.329	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 4												
Front side	100	QPSK 135_69	650000/3750	100%	0.278	0.135	-0.10	23.34	23.70	1.086	0.302	22.4
Back side	100	QPSK 135_69	650000/3750	100%	0.308	0.142	-0.14	23.34	23.70	1.086	0.335	22.4



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

Report No.: SZCR250100029101

Page: 163 of 213

Hotspot Test data (Separate 10mm 1RB) DSI 10												
Front side	100	QPSK 1_137	650000/3750	100%	0.186	0.085	-0.07	18.97	19.20	1.054	0.196	22.4
Back side	100	QPSK 1_137	650000/3750	100%	0.204	0.090	0.01	18.97	19.20	1.054	0.215	22.4
Left side	100	QPSK 1_137	650000/3750	100%	0.224	0.095	-0.17	18.97	19.20	1.054	0.236	22.4
Top side	100	QPSK 1_137	650000/3750	100%	0.141	0.065	-0.19	18.97	19.20	1.054	0.149	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 10												
Front side	100	QPSK 135_69	650000/3750	100%	0.193	0.090	0.02	18.71	19.20	1.119	0.216	22.4
Back side	100	QPSK 135_69	650000/3750	100%	0.202	0.093	0.19	18.71	19.20	1.119	0.226	22.4
Left side	100	QPSK 135_69	650000/3750	100%	0.242	0.099	-0.07	18.71	19.20	1.119	0.271	22.4
Top side	100	QPSK 135_69	650000/3750	100%	0.141	0.063	0.00	18.71	19.20	1.119	0.158	22.4

(for original report SZCR241200494509)

N78 SAR Test Record												
Ant 11 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) DSI 2												
Right cheek	100	QPSK 1_1	650000/3750	100%	0.638	0.253	0.00	16.18	17.50	1.355	0.865	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4												
Back side	100	QPSK 1_1	650000/3750	100%	0.504	0.223	-0.07	22.14	23.50	1.368	0.689	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 10												
Left side	100	QPSK 1_1	650000/3750	100%	0.429	0.165	0.04	16.18	17.50	1.355	0.581	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 DSI 5												
Back side	100	QPSK 1_1	650000/3750	100%	3.800	1.290	0.09	18.20	19.50	1.349	1.740	22.1

(for new report SZCR250100029101)



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

Report No.: SZCR250100029101

Page: 164 of 213

8.2.22 SAR Result of WIFI 2.4G

Wi-Fi 2.4G SAR Test Record												
Ant 22 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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 Level 1												
Left cheek	802.11b	1/2412	99.64%	1.004	0.570	0.270	0.17	16.11	17.00	1.227	0.702	22.2
Left tilted	802.11b	1/2412	99.64%	1.004	0.387	0.195	-0.03	16.11	17.00	1.227	0.477	22.2
Right cheek	802.11b	1/2412	99.64%	1.004	0.241	0.136	0.13	16.11	17.00	1.227	0.297	22.2
Right tilted	802.11b	1/2412	99.64%	1.004	0.282	0.148	0.18	16.11	17.00	1.227	0.347	22.2
Head Test Data Level 2												
Left cheek	802.11b	1/2412	99.64%	1.004	0.570	0.270	0.17	16.11	16.50	1.094	0.626	22.2
Left tilted	802.11b	1/2412	99.64%	1.004	0.387	0.195	-0.03	16.11	16.50	1.094	0.425	22.2
Right cheek	802.11b	1/2412	99.64%	1.004	0.241	0.136	0.13	16.11	16.50	1.094	0.265	22.2
Right tilted	802.11b	1/2412	99.64%	1.004	0.282	0.148	0.18	16.11	16.50	1.094	0.310	22.2
Body worn Test data (Separate 15mm) Level 3												
Front side	802.11b	1/2412	99.64%	1.004	0.124	0.069	0.05	19.21	20.00	1.199	0.149	22.2
Back side	802.11b	1/2412	99.64%	1.004	0.224	0.138	0.08	19.21	20.00	1.199	0.269	22.2
Hotspot Test data (Separate 10mm) Level 3												
Front side	802.11b	1/2412	99.64%	1.004	0.224	0.113	-0.13	19.21	20.00	1.199	0.269	22.2
Back side	802.11b	1/2412	99.64%	1.004	0.323	0.179	0.04	19.21	20.00	1.199	0.389	22.2
Right side	802.11b	1/2412	99.64%	1.004	0.249	0.122	-0.09	19.21	20.00	1.199	0.300	22.2
Top side	802.11b	1/2412	99.64%	1.004	0.291	0.156	-0.10	19.21	20.00	1.199	0.350	22.2

(for original report SZCR241200494509)

Wi-Fi 2.4G SAR Test Record												
Ant 22 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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 Level 1												
Left cheek	802.11b	1/2412	99.64%	1.004	0.470	0.223	0.04	16.11	17.00	1.227	0.579	22.2
Body worn Test data (Separate 15mm) Level 3												
Back side	802.11b	1/2412	99.64%	1.004	0.176	0.108	-0.07	19.21	20.00	1.199	0.212	22.2
Hotspot Test data (Separate 10mm) Level 3												
Back side	802.11b	1/2412	99.64%	1.004	0.254	0.156	-0.11	19.21	20.00	1.199	0.306	22.2

(for new report SZCR250100029101)



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

Report No.: SZCR250100029101

Page: 165 of 213

8.2.23 SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record												
Ant 22 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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 of U-NII-2A Level 1												
Left cheek	802.11n HT40	54/5270	95.02%	1.052	0.312	0.101	0.04	13.01	14.50	1.409	0.463	22.1
Left tilted	802.11n HT40	54/5270	95.02%	1.052	0.208	0.073	0.17	13.01	14.50	1.409	0.308	22.1
Right cheek	802.11n HT40	54/5270	95.02%	1.052	0.106	0.041	0.18	13.01	14.50	1.409	0.157	22.1
Right tilted	802.11n HT40	54/5270	95.02%	1.052	0.099	0.037	-0.12	13.01	14.50	1.409	0.147	22.1
Head Test Data of U-NII-2C Level 1												
Left cheek	802.11ac VHT80	138/5690	90.53%	1.105	0.190	0.061	0.18	11.06	12.50	1.393	0.292	22.1
Left tilted	802.11ac VHT80	138/5690	90.53%	1.105	0.246	0.073	-0.14	11.06	12.50	1.393	0.379	22.1
Right cheek	802.11ac VHT80	138/5690	90.53%	1.105	0.110	0.036	-0.16	11.06	12.50	1.393	0.169	22.1
Right tilted	802.11ac VHT80	138/5690	90.53%	1.105	0.132	0.047	-0.07	11.06	12.50	1.393	0.203	22.1
Head Test Data of U-NII-3 Level 1												
Left cheek	802.11ac VHT80	155/5775	90.53%	1.105	0.275	0.080	-0.05	12.65	14.00	1.365	0.415	22.1
Left tilted	802.11ac VHT80	155/5775	90.53%	1.105	0.297	0.089	-0.04	12.65	14.00	1.365	0.448	22.1
Right cheek	802.11ac VHT80	155/5775	90.53%	1.105	0.151	0.049	0.16	12.65	14.00	1.365	0.228	22.1
Right tilted	802.11ac VHT80	155/5775	90.53%	1.105	0.180	0.060	0.17	12.65	14.00	1.365	0.271	22.1
Head Test Data of U-NII-2A Level 2												
Left cheek	802.11n HT40	54/5270	95.02%	1.052	0.312	0.101	0.04	13.01	13.00	0.998	0.328	22.1
Left tilted	802.11n HT40	54/5270	95.02%	1.052	0.208	0.073	0.17	13.01	13.00	0.998	0.218	22.1
Right cheek	802.11n HT40	54/5270	95.02%	1.052	0.106	0.041	0.18	13.01	13.00	0.998	0.111	22.1
Right tilted	802.11n HT40	54/5270	95.02%	1.052	0.099	0.037	-0.12	13.01	13.00	0.998	0.104	22.1
Head Test Data of U-NII-2C Level 2												
Left cheek	802.11ac VHT80	138/5690	90.53%	1.105	0.190	0.061	0.18	11.06	11.00	0.986	0.207	22.1
Left tilted	802.11ac VHT80	138/5690	90.53%	1.105	0.246	0.073	-0.14	11.06	11.00	0.986	0.268	22.1
Right cheek	802.11ac VHT80	138/5690	90.53%	1.105	0.110	0.036	-0.16	11.06	11.00	0.986	0.120	22.1
Right tilted	802.11ac VHT80	138/5690	90.53%	1.105	0.132	0.047	-0.07	11.06	11.00	0.986	0.144	22.1
Head Test Data of U-NII-3 Level 2												
Left cheek	802.11ac VHT80	155/5775	90.53%	1.105	0.275	0.080	-0.05	12.65	12.50	0.966	0.293	22.1
Left tilted	802.11ac VHT80	155/5775	90.53%	1.105	0.297	0.089	-0.04	12.65	12.50	0.966	0.317	22.1
Right cheek	802.11ac VHT80	155/5775	90.53%	1.105	0.151	0.049	0.16	12.65	12.50	0.966	0.161	22.1
Right tilted	802.11ac VHT80	155/5775	90.53%	1.105	0.180	0.060	0.17	12.65	12.50	0.966	0.192	22.1
Body worn Test data of U-NII-2A (Separate 15mm) Level 3												
Front side	802.11n HT40	54/5270	95.02%	1.052	0.092	0.025	-0.04	15.51	17.00	1.409	0.136	22.1
Back side	802.11n HT40	54/5270	95.02%	1.052	0.224	0.096	0.08	15.51	17.00	1.409	0.332	22.1
Body worn Test data of U-NII-2C (Separate 15mm) Level 3												
Front side	802.11ac VHT80	138/5690	90.53%	1.105	0.072	0.016	-0.07	14.08	15.50	1.387	0.110	22.1
Back side	802.11ac VHT80	138/5690	90.53%	1.105	0.198	0.081	0.19	14.08	15.50	1.387	0.303	22.1
Body worn Test data of U-NII-3 (Separate 15mm) Level 3												
Front side	802.11n HT40	159/5795	95.02%	1.052	0.100	0.025	0.04	15.56	16.50	1.242	0.131	22.1



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

Report No.: SZCR250100029101

Page: 166 of 213

Back side	802.11n HT40	159/5795	95.02%	1.052	0.259	0.101	0.00	15.56	16.50	1.242	0.338	22.1
Hotspot Test data of U-NII-1 (Separate 10mm) Level 3												
Front side	802.11n HT40	46/5230	95.02%	1.052	0.110	0.041	-0.06	15.86	17.00	1.300	0.151	22.1
Back side	802.11n HT40	46/5230	95.02%	1.052	0.398	0.139	-0.15	15.86	17.00	1.300	0.545	22.1
Right side	802.11n HT40	46/5230	95.02%	1.052	0.158	0.068	-0.01	15.86	17.00	1.300	0.216	22.1
Top side	802.11n HT40	46/5230	95.02%	1.052	0.375	0.123	0.09	15.86	17.00	1.300	0.513	22.1
Hotspot Test data of U-NII-3 (Separate 10mm) Level 3												
Front side	802.11n HT40	159/5795	95.02%	1.052	0.129	0.049	-0.09	15.56	16.50	1.242	0.169	22.1
Back side	802.11n HT40	159/5795	95.02%	1.052	0.425	0.158	0.00	15.56	16.50	1.242	0.555	22.1
Right side	802.11n HT40	159/5795	95.02%	1.052	0.167	0.072	0.03	15.56	16.50	1.242	0.218	22.1
Top side	802.11n HT40	159/5795	95.02%	1.052	0.385	0.129	-0.09	15.56	16.50	1.242	0.503	22.1
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-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)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm) Level 3												
Front side	802.11n HT40	54/5270	95.02%	1.052	0.791	0.281	0.02	15.51	17.00	1.409	0.417	22.1
Back side	802.11n HT40	54/5270	95.02%	1.052	0.654	0.221	0.07	15.51	17.00	1.409	0.328	22.1
Right side	802.11n HT40	54/5270	95.02%	1.052	2.730	0.620	0.07	15.51	17.00	1.409	0.920	22.1
Top side	802.11n HT40	54/5270	95.02%	1.052	0.602	0.185	-0.13	15.51	17.00	1.409	0.274	22.1
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) Level 3												
Front side	802.11ac VHT80	138/5690	90.53%	1.105	0.584	0.201	-0.12	14.08	15.50	1.387	0.308	22.1
Back side	802.11ac VHT80	138/5690	90.53%	1.105	0.558	0.207	-0.06	14.08	15.50	1.387	0.317	22.1
Right side	802.11ac VHT80	138/5690	90.53%	1.105	0.981	0.327	0.03	14.08	15.50	1.387	0.501	22.1
Top side	802.11ac VHT80	138/5690	90.53%	1.105	1.610	0.463	0.13	14.08	15.50	1.387	0.709	22.1

(for original report SZCR241200494509)

Wi-Fi 5G SAR Test Record												
Ant 22 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-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 of U-NII-2A Level 1												
Left cheek	802.11n HT40	54/5270	95.02%	1.052	0.243	0.074	0.01	13.01	14.50	1.409	0.360	22.3
Body worn Test data of U-NII-3 (Separate 15mm) Level 3												
Back side	802.11n HT40	159/5795	95.02%	1.052	0.211	0.077	0.13	15.56	16.50	1.242	0.276	22.3
Hotspot Test data of U-NII-3 (Separate 10mm) Level 3												
Back side	802.11n HT40	159/5795	95.02%	1.052	0.338	0.114	0.08	15.56	16.50	1.242	0.442	22.3
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-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)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm) Level 3												
Right side	802.11n HT40	54/5270	95.02%	1.052	2.390	0.533	0.06	15.51	17.00	1.409	0.791	22.3

(for new report SZCR250100029101)



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

Report No.: SZCR250100029101

Page: 167 of 213

8.2.24 SAR Result of BT

Bluetooth SAR Test Record												
Ant 22 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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												
Left cheek	DH5	78/2480	77.20%	1.295	0.085	0.039	0.07	11.36	12.00	1.159	0.127	22.2
Left tilted	DH5	78/2480	77.20%	1.295	0.057	0.030	-0.15	11.36	12.00	1.159	0.086	22.2
Right cheek	DH5	78/2480	77.20%	1.295	0.040	0.022	-0.12	11.36	12.00	1.159	0.060	22.2
Right tilted	DH5	78/2480	77.20%	1.295	0.052	0.026	0.06	11.36	12.00	1.159	0.078	22.2
Body worn Test data (Separate 15mm)												
Front side	DH5	78/2480	77.20%	1.295	0.013	0.007	-0.11	11.36	12.00	1.159	0.020	22.2
Back side	DH5	78/2480	77.20%	1.295	0.018	0.010	0.08	11.36	12.00	1.159	0.027	22.2
Hotspot Test data (Separate 10mm)												
Front side	DH5	78/2480	77.20%	1.295	0.011	0.005	0.09	11.36	12.00	1.159	0.017	22.2
Back side	DH5	78/2480	77.20%	1.295	0.026	0.014	0.18	11.36	12.00	1.159	0.038	22.2
Right side	DH5	78/2480	77.20%	1.295	0.017	0.009	0.17	11.36	12.00	1.159	0.026	22.2
Top side	DH5	78/2480	77.20%	1.295	0.020	0.013	0.02	11.36	12.00	1.159	0.030	22.2

(for original report SZCR241200494509)

Bluetooth SAR Test Record												
Ant 22 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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												
Left cheek	DH5	78/2480	77.20%	1.295	0.059	0.028	-0.03	11.36	12.00	1.159	0.088	22.2
Body worn Test data (Separate 15mm)												
Back side	DH5	78/2480	77.20%	1.295	0.016	0.009	0.01	11.36	12.00	1.159	0.024	22.2
Hotspot Test data (Separate 10mm)												
Back side	DH5	78/2480	77.20%	1.295	0.024	0.013	0.03	11.36	12.00	1.159	0.036	22.2

(for new report SZCR250100029101)



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8.3 Multiple Transmitter Evaluation

8.3.1 Simultaneous SAR test evaluation

No.	Simultaneous Tx Combination	Head	Body	Hotspot	Product Specific 10-g (0mm)
1	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
2	WWAN + WLAN 5GHz	Yes	Yes	Yes	Yes
3	WWAN + BT	Yes	Yes	Yes	Yes
4	WWAN + WLAN 5GHz + BT	Yes	Yes	Yes	Yes
5	WLAN 5GHz + BT	Yes	Yes	Yes	Yes

Note:

- 1) The device does not support DTM function.
- 2) For WiFi 5G,U-NII-2A and U-NII-2C band does not support hotspot function.



8.3.2 Simultaneous Transmission SAR Summation Scenario

Head:

Inter-band UL CA

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 2		ULCA Summed SAR
			Ant13	Ant31	
Band 4	Left cheek	0.208	0.197	0.132	0.405
	Left tilted	0.264	0.242	0.066	0.506
	Right cheek	0.319	0.348	0.129	0.667
	Right tilted	0.363	0.485	0.108	0.848
Band 7	Left cheek	0.391	0.197	0.132	0.588
	Left tilted	0.073	0.242	0.066	0.315
	Right cheek	0.601	0.348	0.129	0.949
	Right tilted	0.128	0.485	0.108	0.613

LTE Band (ULCA)	Exposure position	ANT13	LTE Band 4		ULCA Summed SAR
			Ant11	Ant31	
Band 5	Left cheek	0.294	0.208	0.139	0.502
	Left tilted	0.281	0.264	0.091	0.545
	Right cheek	0.456	0.319	0.092	0.775
	Right tilted	0.433	0.363	0.100	0.796
Band 7	Left cheek	/	0.208	0.139	0.208
	Left tilted	/	0.264	0.091	0.264
	Right cheek	/	0.319	0.092	0.319
	Right tilted	/	0.363	0.100	0.363

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 4		ULCA Summed SAR
			Ant13	Ant31	
Band 5	Left cheek	/	0.216	0.139	0.216
	Left tilted	/	0.256	0.091	0.256
	Right cheek	/	0.365	0.092	0.365
	Right tilted	/	0.497	0.100	0.497
Band 7	Left cheek	0.391	0.216	0.139	0.607
	Left tilted	0.073	0.256	0.091	0.329
	Right cheek	0.601	0.365	0.092	0.966
	Right tilted	0.128	0.497	0.100	0.625



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

Report No.: SZCR250100029101

Page: 170 of 213

LTE Band (ULCA)	Exposure position	ANT11	ANT31	LTE Band 5	ULCA Summed SAR
				Ant13	
Band 7	Left cheek	0.391	0.267	0.294	0.685
	Left tilted	0.073	0.276	0.281	0.557
	Right cheek	0.601	0.536	0.456	1.057
	Right tilted	0.128	0.236	0.433	0.669

EN_DC

LTE Band (EN_DC)	Exposure position	ANT13	n2	EN_DC Summed SAR
			ANT31	
Band 4	Left cheek	0.216	0.145	0.361
	Left tilted	0.256	0.108	0.364
	Right cheek	0.365	0.190	0.555
	Right tilted	0.497	0.107	0.604
Band 7	Left cheek	/	0.145	0.145
	Left tilted	/	0.108	0.108
	Right cheek	/	0.190	0.190
	Right tilted	/	0.107	0.107
Band 66	Left cheek	0.216	0.145	0.361
	Left tilted	0.256	0.108	0.364
	Right cheek	0.365	0.190	0.555
	Right tilted	0.497	0.107	0.604

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n2	EN_DC Summed SAR
				ANT11	
Band 4	Left cheek	0.216	/	0.232	0.448
	Left tilted	0.256	/	0.047	0.303
	Right cheek	0.365	/	0.460	0.825
	Right tilted	0.497	/	0.070	0.567
Band 7	Left cheek	0.115	0.134	0.232	0.366
	Left tilted	0.148	0.138	0.047	0.195
	Right cheek	0.249	0.269	0.460	0.729
	Right tilted	0.312	0.118	0.070	0.382
Band 66	Left cheek	0.216	/	0.232	0.448
	Left tilted	0.256	/	0.047	0.303
	Right cheek	0.365	/	0.460	0.825



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

Report No.: SZCR250100029101

Page: 171 of 213

	Right tilted	0.497	/	0.070	0.567
--	--------------	-------	---	-------	-------

LTE Band (EN_DC)	Exposure position	ANT11	ANT31	n5	EN_DC Summed SAR
				ANT13	
Band 7	Left cheek	0.196	0.134	0.313	0.509
	Left tilted	0.037	0.138	0.312	0.450
	Right cheek	0.301	0.269	0.418	0.719
	Right tilted	0.064	0.118	0.373	0.491

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n7	EN_DC Summed SAR
				ANT11	
Band 2	Left cheek	0.197	0.132	0.158	0.355
	Left tilted	0.242	0.066	0.034	0.276
	Right cheek	0.348	0.129	0.350	0.698
	Right tilted	0.485	0.108	0.076	0.561
Band 4	Left cheek	0.216	0.139	0.158	0.374
	Left tilted	0.256	0.091	0.034	0.290
	Right cheek	0.365	0.092	0.350	0.715
	Right tilted	0.497	0.100	0.076	0.573
Band 5	Left cheek	0.294	0.221	0.158	0.452
	Left tilted	0.281	0.122	0.034	0.315
	Right cheek	0.456	0.166	0.350	0.806
	Right tilted	0.433	0.099	0.076	0.509
Band 66	Left cheek	0.216	0.139	0.158	0.374
	Left tilted	0.256	0.091	0.034	0.290
	Right cheek	0.365	0.092	0.350	0.715
	Right tilted	0.497	0.100	0.076	0.573

LTE Band (EN_DC)	Exposure position	ANT11	ANT31	n26	EN_DC Summed SAR
				ANT13	
Band 7	Left cheek	0.196	0.134	0.313	0.509
	Left tilted	0.037	0.138	0.312	0.450
	Right	0.301	0.269	0.418	0.719



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

Report No.: SZCR250100029101

Page: 172 of 213

	cheek				
	Right tilted	0.064	0.118	0.373	0.491

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n38	EN_DC Summed SAR
				ANT11	
Band 2	Left cheek	0.197	0.132	0.193	0.390
	Left tilted	0.242	0.066	0.044	0.286
	Right cheek	0.348	0.129	0.489	0.837
	Right tilted	0.485	0.108	0.090	0.575
Band 4	Left cheek	0.216	0.139	0.193	0.409
	Left tilted	0.256	0.091	0.044	0.300
	Right cheek	0.365	0.092	0.489	0.854
	Right tilted	0.497	0.100	0.090	0.587
Band 5	Left cheek	0.294	0.221	0.193	0.487
	Left tilted	0.281	0.122	0.044	0.325
	Right cheek	0.456	0.166	0.489	0.945
	Right tilted	0.433	0.099	0.090	0.523
Band 66	Left cheek	0.216	0.139	0.193	0.409
	Left tilted	0.256	0.091	0.044	0.300
	Right cheek	0.365	0.092	0.489	0.854
	Right tilted	0.497	0.100	0.090	0.587

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n41	EN_DC Summed SAR
				ANT11	
Band 2	Left cheek	0.197	0.132	0.193	0.390
	Left tilted	0.242	0.066	0.044	0.286
	Right cheek	0.348	0.129	0.489	0.837
	Right tilted	0.485	0.108	0.090	0.575
Band 4	Left cheek	0.216	0.139	0.193	0.409
	Left tilted	0.256	0.091	0.044	0.300
	Right cheek	0.365	0.092	0.489	0.854
	Right tilted	0.497	0.100	0.090	0.587
Band 26	Left cheek	0.294	0.221	0.193	0.487



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Report No.: SZCR250100029101

Page: 173 of 213

Band 66	Left tilted	0.281	0.122	0.044	0.325
	Right cheek	0.456	0.166	0.489	0.945
	Right tilted	0.433	0.099	0.090	0.523
	Left cheek	0.216	0.139	0.193	0.409
Band 66	Left tilted	0.256	0.091	0.044	0.300
	Right cheek	0.365	0.092	0.489	0.854
	Right tilted	0.497	0.100	0.090	0.587
	Left cheek	0.216	0.139	0.193	0.409

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n66	EN_DC Summed SAR
				ANT11	
Band 2	Left cheek	0.197	0.132	0.187	0.384
	Left tilted	0.242	0.066	0.051	0.293
	Right cheek	0.348	0.129	0.362	0.710
	Right tilted	0.485	0.108	0.077	0.562
Band 5	Left cheek	0.294	0.221	0.187	0.481
	Left tilted	0.281	0.122	0.051	0.332
	Right cheek	0.456	0.166	0.362	0.818
	Right tilted	0.433	0.099	0.077	0.510
Band 7	Left cheek	0.115	0.134	0.187	0.321
	Left tilted	0.148	0.138	0.051	0.199
	Right cheek	0.249	0.269	0.362	0.631
	Right tilted	0.312	0.118	0.077	0.389

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n77				EN_DC Summed SAR
				ANT11	ANT12	ANT21	ANT23	
Band 7	Left cheek	0.115	0.134	0.259	0.198	0.442	0.441	0.576
	Left tilted	0.148	0.138	0.082	0.166	0.433	0.112	0.581
	Right cheek	0.249	0.269	0.772	0.537	0.209	0.148	1.041
	Right tilted	0.312	0.118	0.176	0.324	0.244	0.051	0.636

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n78				EN_DC Summed SAR
				ANT11	ANT12	ANT21	ANT23	
Band 2	Left cheek	0.197	0.132	0.171	0.233	0.442	0.441	0.639



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

Report No.: SZCR250100029101

Page: 174 of 213

	Left tilted	0.242	0.066	0.052	0.199	0.433	0.112	0.675
	Right cheek	0.348	0.129	0.487	0.613	0.209	0.148	0.961
	Right tilted	0.485	0.108	0.111	0.412	0.244	0.051	0.897
Band 4	Left cheek	0.216	0.139	0.171	0.233	0.442	0.441	0.658
	Left tilted	0.256	0.091	0.052	0.199	0.433	0.112	0.689
	Right cheek	0.365	0.092	0.487	0.613	0.209	0.148	0.978
	Right tilted	0.497	0.100	0.111	0.412	0.244	0.051	0.909
Band 5	Left cheek	0.294	0.221	0.171	0.233	0.442	0.441	0.736
	Left tilted	0.281	0.122	0.052	0.199	0.433	0.112	0.714
	Right cheek	0.456	0.166	0.487	0.613	0.209	0.148	1.069
	Right tilted	0.433	0.099	0.111	0.412	0.244	0.051	0.845
Band 7	Left cheek	0.115	0.134	0.171	0.233	0.442	0.441	0.576
	Left tilted	0.148	0.138	0.052	0.199	0.433	0.112	0.581
	Right cheek	0.249	0.269	0.487	0.613	0.209	0.148	0.882
	Right tilted	0.312	0.118	0.111	0.412	0.244	0.051	0.724
Band 26	Left cheek	0.294	0.221	0.171	0.233	0.442	0.441	0.736
	Left tilted	0.281	0.122	0.052	0.199	0.433	0.112	0.714
	Right cheek	0.456	0.166	0.487	0.613	0.209	0.148	1.069
	Right tilted	0.433	0.099	0.111	0.412	0.244	0.051	0.845
Band 38	Left cheek	0.101	0.161	0.171	0.233	0.442	0.441	0.603
	Left tilted	0.138	0.113	0.052	0.199	0.433	0.112	0.571
	Right cheek	0.238	0.305	0.487	0.613	0.209	0.148	0.918
	Right tilted	0.378	0.127	0.111	0.412	0.244	0.051	0.790
Band 41	Left cheek	0.101	0.161	0.171	0.233	0.442	0.441	0.603
	Left tilted	0.138	0.113	0.052	0.199	0.433	0.112	0.571
	Right cheek	0.238	0.305	0.487	0.613	0.209	0.148	0.918
	Right tilted	0.378	0.127	0.111	0.412	0.244	0.051	0.790
Band 66	Left cheek	0.216	0.139	0.171	0.233	0.442	0.441	0.658
	Left tilted	0.256	0.091	0.052	0.199	0.433	0.112	0.689
	Right cheek	0.365	0.092	0.487	0.613	0.209	0.148	0.978
	Right tilted	0.497	0.100	0.111	0.412	0.244	0.051	0.909



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

Report No.: SZCR250100029101

Page: 175 of 213

Test position		SARmax (W/kg)		Summed SAR
		WiFi 5G Ant22	BT	
		1	2	
WLAN	Left cheek	0.463	0.127	0.590
	Left tilted	0.448	0.086	0.534
	Right cheek	0.228	0.060	0.288
	Right tilted	0.271	0.078	0.349

Test position		SARmax (W/kg)				Summed SAR			
		WWAN Max SAR	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
GSM850	Left cheek	0.512	0.626	0.328	0.127	1.138	0.840	0.639	0.967
	Left tilted	0.487	0.425	0.317	0.086	0.912	0.804	0.573	0.890
	Right cheek	0.648	0.265	0.161	0.060	0.913	0.809	0.708	0.869
	Right tilted	0.623	0.310	0.192	0.078	0.933	0.815	0.701	0.893
GSM1900	Left cheek	0.389	0.626	0.328	0.127	1.015	0.717	0.516	0.844
	Left tilted	0.486	0.425	0.317	0.086	0.911	0.803	0.572	0.889
	Right cheek	0.694	0.265	0.161	0.060	0.959	0.855	0.754	0.915
	Right tilted	0.852	0.310	0.192	0.078	1.162	1.044	0.930	1.122
WCDMA B2	Left cheek	0.366	0.626	0.328	0.127	0.992	0.694	0.493	0.821
	Left tilted	0.465	0.425	0.317	0.086	0.890	0.782	0.551	0.868
	Right cheek	0.577	0.265	0.161	0.060	0.842	0.738	0.637	0.798
	Right tilted	0.693	0.310	0.192	0.078	1.003	0.885	0.771	0.963
WCDMA B4	Left cheek	0.461	0.626	0.328	0.127	1.087	0.789	0.588	0.916
	Left tilted	0.569	0.425	0.317	0.086	0.994	0.886	0.655	0.972
	Right cheek	0.779	0.265	0.161	0.060	1.044	0.940	0.839	1.000
	Right tilted	0.986	0.310	0.192	0.078	1.296	1.178	1.064	1.256
WCDMA B5	Left cheek	0.553	0.626	0.328	0.127	1.179	0.881	0.680	1.008
	Left tilted	0.524	0.425	0.317	0.086	0.949	0.841	0.610	0.927
	Right cheek	0.616	0.265	0.161	0.060	0.881	0.777	0.676	0.837
	Right tilted	0.580	0.310	0.192	0.078	0.890	0.772	0.658	0.850
LTE B2	Left cheek	0.392	0.626	0.328	0.127	1.018	0.720	0.519	0.847
	Left tilted	0.482	0.425	0.317	0.086	0.907	0.799	0.568	0.885
	Right cheek	0.695	0.265	0.161	0.060	0.960	0.856	0.755	0.916
	Right tilted	0.967	0.310	0.192	0.078	1.277	1.159	1.045	1.237
LTE B7	Left cheek	0.391	0.626	0.328	0.127	1.017	0.719	0.518	0.846
	Left tilted	0.295	0.425	0.317	0.086	0.720	0.612	0.381	0.698
	Right cheek	0.601	0.265	0.161	0.060	0.866	0.762	0.661	0.822
	Right tilted	0.622	0.310	0.192	0.078	0.932	0.814	0.700	0.892
LTE B12	Left cheek	0.431	0.626	0.328	0.127	1.057	0.759	0.558	0.886
	Left tilted	0.404	0.425	0.317	0.086	0.829	0.721	0.490	0.807
	Right cheek	0.690	0.265	0.161	0.060	0.955	0.851	0.750	0.911
	Right tilted	0.617	0.310	0.192	0.078	0.927	0.809	0.695	0.887
LTE B13	Left cheek	0.579	0.626	0.328	0.127	1.205	0.907	0.706	1.034
	Left tilted	0.550	0.425	0.317	0.086	0.975	0.867	0.636	0.953
	Right cheek	0.748	0.265	0.161	0.060	1.013	0.909	0.808	0.969



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

Report No.: SZCR250100029101

Page: 176 of 213

	Right tilted	0.685	0.310	0.192	0.078	0.995	0.877	0.763	0.955
LTE B26	Left cheek	0.587	0.626	0.328	0.127	1.213	0.915	0.714	1.042
	Left tilted	0.561	0.425	0.317	0.086	0.986	0.878	0.647	0.964
	Right cheek	0.910	0.265	0.161	0.060	1.175	1.071	0.970	1.131
	Right tilted	0.865	0.310	0.192	0.078	1.175	1.057	0.943	1.135
LTE B41	Left cheek	0.365	0.626	0.328	0.127	0.991	0.693	0.492	0.820
	Left tilted	0.276	0.425	0.317	0.086	0.701	0.593	0.362	0.679
	Right cheek	0.926	0.265	0.161	0.060	1.191	1.087	0.986	1.147
	Right tilted	0.754	0.310	0.192	0.078	1.064	0.946	0.832	1.024
LTE B66	Left cheek	0.431	0.626	0.328	0.127	1.057	0.759	0.558	0.886
	Left tilted	0.527	0.425	0.317	0.086	0.952	0.844	0.613	0.930
	Right cheek	0.729	0.265	0.161	0.060	0.994	0.890	0.789	0.950
	Right tilted	0.992	0.310	0.192	0.078	1.302	1.184	1.070	1.262
N2	Left cheek	0.373	0.626	0.328	0.127	0.999	0.701	0.500	0.828
	Left tilted	0.483	0.425	0.317	0.086	0.908	0.800	0.569	0.886
	Right cheek	0.591	0.265	0.161	0.060	0.856	0.752	0.651	0.812
	Right tilted	0.702	0.310	0.192	0.078	1.012	0.894	0.780	0.972
N7	Left cheek	0.316	0.626	0.328	0.127	0.942	0.644	0.443	0.771
	Left tilted	0.372	0.425	0.317	0.086	0.797	0.689	0.458	0.775
	Right cheek	0.698	0.265	0.161	0.060	0.963	0.859	0.758	0.919
	Right tilted	0.793	0.310	0.192	0.078	1.103	0.985	0.871	1.063
N26	Left cheek	0.624	0.626	0.328	0.127	1.250	0.952	0.751	1.079
	Left tilted	0.623	0.425	0.317	0.086	1.048	0.940	0.709	1.026
	Right cheek	0.833	0.265	0.161	0.060	1.098	0.994	0.893	1.054
	Right tilted	0.745	0.310	0.192	0.078	1.055	0.937	0.823	1.015
N41	Left cheek	0.403	0.626	0.328	0.127	1.029	0.731	0.530	0.858
	Left tilted	0.420	0.425	0.317	0.086	0.845	0.737	0.506	0.823
	Right cheek	0.976	0.265	0.161	0.060	1.241	1.137	1.036	1.197
	Right tilted	0.868	0.310	0.192	0.078	1.178	1.060	0.946	1.138
N66	Left cheek	0.446	0.626	0.328	0.127	1.072	0.774	0.573	0.901
	Left tilted	0.544	0.425	0.317	0.086	0.969	0.861	0.630	0.947
	Right cheek	0.722	0.265	0.161	0.060	0.987	0.883	0.782	0.943
	Right tilted	0.720	0.310	0.192	0.078	1.030	0.912	0.798	0.990
N77	Left cheek	0.763	0.626	0.328	0.127	1.389	1.091	0.890	1.218
	Left tilted	0.863	0.425	0.317	0.086	1.288	1.180	0.949	1.266
	Right cheek	0.772	0.265	0.161	0.060	1.037	0.933	0.832	0.993
	Right tilted	0.488	0.310	0.192	0.078	0.798	0.680	0.566	0.758
N78	Left cheek	0.342	0.626	0.328	0.127	0.968	0.670	0.469	0.797
	Left tilted	0.199	0.425	0.317	0.086	0.624	0.516	0.285	0.602
	Right cheek	0.972	0.265	0.161	0.060	1.237	1.133	1.032	1.193
	Right tilted	0.412	0.310	0.192	0.078	0.722	0.604	0.490	0.682

Test position		SARmax (W/kg)				Summed SAR			
		Inter-band UL CA	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
CA_2A-4A	Left cheek	0.405	0.626	0.328	0.127	1.031	0.733	0.532	0.860
	Left tilted	0.506	0.425	0.317	0.086	0.931	0.823	0.592	0.909
	Right cheek	0.667	0.265	0.161	0.060	0.932	0.828	0.727	0.888



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

Report No.: SZCR250100029101

Page: 177 of 213

	Right tilted	0.848	0.310	0.192	0.078	1.158	1.040	0.926	1.118
CA_2A-7A	Left cheek	0.588	0.626	0.328	0.127	1.214	0.916	0.715	1.043
	Left tilted	0.315	0.425	0.317	0.086	0.740	0.632	0.401	0.718
	Right cheek	0.949	0.265	0.161	0.060	1.214	1.110	1.009	1.170
	Right tilted	0.613	0.310	0.192	0.078	0.923	0.805	0.691	0.883
CA_4A-5A	Left cheek	0.502	0.626	0.328	0.127	1.128	0.830	0.629	0.957
	Left tilted	0.545	0.425	0.317	0.086	0.970	0.862	0.631	0.948
	Right cheek	0.775	0.265	0.161	0.060	1.040	0.936	0.835	0.996
	Right tilted	0.796	0.310	0.192	0.078	1.106	0.988	0.874	1.066
CA_4A-7A	Left cheek	0.607	0.626	0.328	0.127	1.233	0.935	0.734	1.062
	Left tilted	0.329	0.425	0.317	0.086	0.754	0.646	0.415	0.732
	Right cheek	0.966	0.265	0.161	0.060	1.231	1.127	1.026	1.187
	Right tilted	0.625	0.310	0.192	0.078	0.935	0.817	0.703	0.895
CA_5A-7A	Left cheek	0.685	0.626	0.328	0.127	1.311	1.013	0.812	1.140
	Left tilted	0.557	0.425	0.317	0.086	0.982	0.874	0.643	0.960
	Right cheek	1.057	0.265	0.161	0.060	1.322	1.218	1.117	1.278
	Right tilted	0.669	0.310	0.192	0.078	0.979	0.861	0.747	0.939

Test position		SARmax (W/kg)				Summed SAR			
		EN-DC Max SAR	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
n2-B4	Left cheek	0.448	0.626	0.328	0.127	1.074	0.776	0.575	0.903
	Left tilted	0.364	0.425	0.317	0.086	0.789	0.681	0.450	0.767
	Right cheek	0.825	0.265	0.161	0.060	1.090	0.986	0.885	1.046
	Right tilted	0.604	0.310	0.192	0.078	0.914	0.796	0.682	0.874
n2-B7	Left cheek	0.366	0.626	0.328	0.127	0.992	0.694	0.493	0.821
	Left tilted	0.195	0.425	0.317	0.086	0.620	0.512	0.281	0.598
	Right cheek	0.729	0.265	0.161	0.060	0.994	0.890	0.789	0.950
	Right tilted	0.382	0.310	0.192	0.078	0.692	0.574	0.460	0.652
n2-B66	Left cheek	0.448	0.626	0.328	0.127	1.074	0.776	0.575	0.903
	Left tilted	0.364	0.425	0.317	0.086	0.789	0.681	0.450	0.767
	Right cheek	0.825	0.265	0.161	0.060	1.090	0.986	0.885	1.046
	Right tilted	0.604	0.310	0.192	0.078	0.914	0.796	0.682	0.874
n5-B7	Left cheek	0.509	0.626	0.328	0.127	1.135	0.837	0.636	0.964
	Left tilted	0.450	0.425	0.317	0.086	0.875	0.767	0.536	0.853
	Right cheek	0.719	0.265	0.161	0.060	0.984	0.880	0.779	0.940
	Right tilted	0.491	0.310	0.192	0.078	0.801	0.683	0.569	0.761
n7-B2	Left cheek	0.355	0.626	0.328	0.127	0.981	0.683	0.482	0.810
	Left tilted	0.276	0.425	0.317	0.086	0.701	0.593	0.362	0.679
	Right cheek	0.698	0.265	0.161	0.060	0.963	0.859	0.758	0.919
	Right tilted	0.561	0.310	0.192	0.078	0.871	0.753	0.639	0.831
n7-B4	Left cheek	0.374	0.626	0.328	0.127	1.000	0.702	0.501	0.829
	Left tilted	0.290	0.425	0.317	0.086	0.715	0.607	0.376	0.693
	Right cheek	0.715	0.265	0.161	0.060	0.980	0.876	0.775	0.936
	Right tilted	0.573	0.310	0.192	0.078	0.883	0.765	0.651	0.843
n7-B5	Left cheek	0.452	0.626	0.328	0.127	1.078	0.780	0.579	0.907
	Left tilted	0.315	0.425	0.317	0.086	0.740	0.632	0.401	0.718
	Right cheek	0.806	0.265	0.161	0.060	1.071	0.967	0.866	1.027



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

Report No.: SZCR250100029101

Page: 178 of 213

	Right tilted	0.509	0.310	0.192	0.078	0.819	0.701	0.587	0.779
n7-B66	Left cheek	0.374	0.626	0.328	0.127	1.000	0.702	0.501	0.829
	Left tilted	0.290	0.425	0.317	0.086	0.715	0.607	0.376	0.693
	Right cheek	0.715	0.265	0.161	0.060	0.980	0.876	0.775	0.936
	Right tilted	0.573	0.310	0.192	0.078	0.883	0.765	0.651	0.843
n26-B7	Left cheek	0.509	0.626	0.328	0.127	1.135	0.837	0.636	0.964
	Left tilted	0.450	0.425	0.317	0.086	0.875	0.767	0.536	0.853
	Right cheek	0.719	0.265	0.161	0.060	0.984	0.880	0.779	0.940
	Right tilted	0.491	0.310	0.192	0.078	0.801	0.683	0.569	0.761
n38-B2	Left cheek	0.390	0.626	0.328	0.127	1.016	0.718	0.517	0.845
	Left tilted	0.286	0.425	0.317	0.086	0.711	0.603	0.372	0.689
	Right cheek	0.837	0.265	0.161	0.060	1.102	0.998	0.897	1.058
	Right tilted	0.575	0.310	0.192	0.078	0.885	0.767	0.653	0.845
n38-B4	Left cheek	0.409	0.626	0.328	0.127	1.035	0.737	0.536	0.864
	Left tilted	0.300	0.425	0.317	0.086	0.725	0.617	0.386	0.703
	Right cheek	0.854	0.265	0.161	0.060	1.119	1.015	0.914	1.075
	Right tilted	0.587	0.310	0.192	0.078	0.897	0.779	0.665	0.857
n38-B5	Left cheek	0.487	0.626	0.328	0.127	1.113	0.815	0.614	0.942
	Left tilted	0.325	0.425	0.317	0.086	0.750	0.642	0.411	0.728
	Right cheek	0.945	0.265	0.161	0.060	1.210	1.106	1.005	1.166
	Right tilted	0.523	0.310	0.192	0.078	0.833	0.715	0.601	0.793
n38-B66	Left cheek	0.409	0.626	0.328	0.127	1.035	0.737	0.536	0.864
	Left tilted	0.300	0.425	0.317	0.086	0.725	0.617	0.386	0.703
	Right cheek	0.854	0.265	0.161	0.060	1.119	1.015	0.914	1.075
	Right tilted	0.587	0.310	0.192	0.078	0.897	0.779	0.665	0.857
n41-B2	Left cheek	0.390	0.626	0.328	0.127	1.016	0.718	0.517	0.845
	Left tilted	0.286	0.425	0.317	0.086	0.711	0.603	0.372	0.689
	Right cheek	0.837	0.265	0.161	0.060	1.102	0.998	0.897	1.058
	Right tilted	0.575	0.310	0.192	0.078	0.885	0.767	0.653	0.845
n41-B4	Left cheek	0.409	0.626	0.328	0.127	1.035	0.737	0.536	0.864
	Left tilted	0.300	0.425	0.317	0.086	0.725	0.617	0.386	0.703
	Right cheek	0.854	0.265	0.161	0.060	1.119	1.015	0.914	1.075
	Right tilted	0.587	0.310	0.192	0.078	0.897	0.779	0.665	0.857
n41-B26	Left cheek	0.487	0.626	0.328	0.127	1.113	0.815	0.614	0.942
	Left tilted	0.325	0.425	0.317	0.086	0.750	0.642	0.411	0.728
	Right cheek	0.945	0.265	0.161	0.060	1.210	1.106	1.005	1.166
	Right tilted	0.523	0.310	0.192	0.078	0.833	0.715	0.601	0.793
n41-B66	Left cheek	0.409	0.626	0.328	0.127	1.035	0.737	0.536	0.864
	Left tilted	0.300	0.425	0.317	0.086	0.725	0.617	0.386	0.703
	Right cheek	0.854	0.265	0.161	0.060	1.119	1.015	0.914	1.075
	Right tilted	0.587	0.310	0.192	0.078	0.897	0.779	0.665	0.857
n66-B2	Left cheek	0.384	0.626	0.328	0.127	1.010	0.712	0.511	0.839
	Left tilted	0.293	0.425	0.317	0.086	0.718	0.610	0.379	0.696
	Right cheek	0.710	0.265	0.161	0.060	0.975	0.871	0.770	0.931
	Right tilted	0.562	0.310	0.192	0.078	0.872	0.754	0.640	0.832
n66-B5	Left cheek	0.481	0.626	0.328	0.127	1.107	0.809	0.608	0.936
	Left tilted	0.332	0.425	0.317	0.086	0.757	0.649	0.418	0.735
	Right cheek	0.818	0.265	0.161	0.060	1.083	0.979	0.878	1.039
	Right tilted	0.510	0.310	0.192	0.078	0.820	0.702	0.588	0.780
n66-B7	Left cheek	0.321	0.626	0.328	0.127	0.947	0.649	0.448	0.776



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

Report No.: SZCR250100029101

Page: 179 of 213

	Left tilted	0.199	0.425	0.317	0.086	0.624	0.516	0.285	0.602
	Right cheek	0.631	0.265	0.161	0.060	0.896	0.792	0.691	0.852
	Right tilted	0.389	0.310	0.192	0.078	0.699	0.581	0.467	0.659
n77-B7	Left cheek	0.576	0.626	0.328	0.127	1.202	0.904	0.703	1.031
	Left tilted	0.581	0.425	0.317	0.086	1.006	0.898	0.667	0.984
	Right cheek	1.041	0.265	0.161	0.060	1.306	1.202	1.101	1.262
	Right tilted	0.636	0.310	0.192	0.078	0.946	0.828	0.714	0.906
n78-B2	Left cheek	0.639	0.626	0.328	0.127	1.265	0.967	0.766	1.094
	Left tilted	0.675	0.425	0.317	0.086	1.100	0.992	0.761	1.078
	Right cheek	0.961	0.265	0.161	0.060	1.226	1.122	1.021	1.182
	Right tilted	0.897	0.310	0.192	0.078	1.207	1.089	0.975	1.167
n78-B4	Left cheek	0.658	0.626	0.328	0.127	1.284	0.986	0.785	1.113
	Left tilted	0.689	0.425	0.317	0.086	1.114	1.006	0.775	1.092
	Right cheek	0.978	0.265	0.161	0.060	1.243	1.139	1.038	1.199
	Right tilted	0.909	0.310	0.192	0.078	1.219	1.101	0.987	1.179
n78-B5	Left cheek	0.736	0.626	0.328	0.127	1.362	1.064	0.863	1.191
	Left tilted	0.714	0.425	0.317	0.086	1.139	1.031	0.800	1.117
	Right cheek	1.069	0.265	0.161	0.060	1.334	1.230	1.129	1.290
	Right tilted	0.845	0.310	0.192	0.078	1.155	1.037	0.923	1.115
n78-B7	Left cheek	0.576	0.626	0.328	0.127	1.202	0.904	0.703	1.031
	Left tilted	0.581	0.425	0.317	0.086	1.006	0.898	0.667	0.984
	Right cheek	0.882	0.265	0.161	0.060	1.147	1.043	0.942	1.103
	Right tilted	0.724	0.310	0.192	0.078	1.034	0.916	0.802	0.994
n78-B26	Left cheek	0.736	0.626	0.328	0.127	1.362	1.064	0.863	1.191
	Left tilted	0.714	0.425	0.317	0.086	1.139	1.031	0.800	1.117
	Right cheek	1.069	0.265	0.161	0.060	1.334	1.230	1.129	1.290
	Right tilted	0.845	0.310	0.192	0.078	1.155	1.037	0.923	1.115
n78-B38	Left cheek	0.603	0.626	0.328	0.127	1.229	0.931	0.730	1.058
	Left tilted	0.571	0.425	0.317	0.086	0.996	0.888	0.657	0.974
	Right cheek	0.918	0.265	0.161	0.060	1.183	1.079	0.978	1.139
	Right tilted	0.790	0.310	0.192	0.078	1.100	0.982	0.868	1.060
n78-B41	Left cheek	0.603	0.626	0.328	0.127	1.229	0.931	0.730	1.058
	Left tilted	0.571	0.425	0.317	0.086	0.996	0.888	0.657	0.974
	Right cheek	0.918	0.265	0.161	0.060	1.183	1.079	0.978	1.139
	Right tilted	0.790	0.310	0.192	0.078	1.100	0.982	0.868	1.060
n78-B66	Left cheek	0.658	0.626	0.328	0.127	1.284	0.986	0.785	1.113
	Left tilted	0.689	0.425	0.317	0.086	1.114	1.006	0.775	1.092
	Right cheek	0.978	0.265	0.161	0.060	1.243	1.139	1.038	1.199
	Right tilted	0.909	0.310	0.192	0.078	1.219	1.101	0.987	1.179



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

Report No.: SZCR250100029101

Page: 180 of 213

Body:

Inter-band UL CA

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 2		ULCA Summed SAR
			Ant13	Ant31	
Band 4	Front side	0.268	0.219	0.153	0.487
	Back side	0.398	0.325	0.253	0.723
Band 7	Front side	0.178	0.219	0.153	0.397
	Back side	0.294	0.325	0.253	0.619

LTE Band (ULCA)	Exposure position	ANT13	LTE Band 4		ULCA Summed SAR
			Ant11	Ant31	
Band 5	Front side	0.170	0.268	0.122	0.438
	Back side	0.236	0.398	0.203	0.634
Band 7	Front side	/	0.268	0.122	0.268
	Back side	/	0.398	0.203	0.398

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 4		ULCA Summed SAR
			Ant13	Ant31	
Band 5	Front side	/	0.489	0.122	0.489
	Back side	/	0.588	0.203	0.588
Band 7	Front side	0.178	0.489	0.122	0.667
	Back side	0.294	0.588	0.203	0.882

LTE Band (ULCA)	Exposure position	ANT11	ANT31	LTE Band 5	ULCA Summed SAR
				Ant13	
Band 7	Front side	0.178	0.223	0.170	0.393
	Back side	0.294	0.220	0.236	0.530

EN-DC

LTE Band (EN_DC)	Exposure position	ANT13	n2	EN_DC Summed SAR
			ANT31	
Band 4	Front side	0.245	0.223	0.468
	Back side	0.295	0.330	0.625
Band 7	Front side	/	0.223	0.223
	Back side	/	0.330	0.330
Band 66	Front side	0.245	0.223	0.468
	Back side	0.295	0.330	0.625

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n2	EN_DC Summed SAR
				ANT11	
Band 4	Front side	0.245	/	0.052	0.297



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

Report No.: SZCR250100029101

Page: 181 of 213

	Back side	0.295	/	0.056	0.351
Band 7	Front side	0.102	0.223	0.052	0.275
	Back side	0.325	0.220	0.056	0.381
Band 66	Front side	0.245	/	0.052	0.297
	Back side	0.295	/	0.056	0.351

LTE Band (EN_DC)	Exposure position	ANT11	ANT31	n5	EN_DC Summed SAR
				ANT13	
Band 7	Front side	0.355	0.223	0.188	0.543
	Back side	0.586	0.220	0.311	0.897

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n7	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.219	0.153	0.409	0.628
	Back side	0.325	0.253	0.530	0.855
Band 4	Front side	0.245	0.122	0.409	0.654
	Back side	0.295	0.203	0.530	0.825
Band 5	Front side	0.170	0.169	0.409	0.579
	Back side	0.236	0.211	0.530	0.766
Band 66	Front side	0.245	0.122	0.409	0.654
	Back side	0.295	0.203	0.530	0.825

LTE Band (EN_DC)	Exposure position	ANT11	ANT31	n26	EN_DC Summed SAR
				ANT13	
Band 7	Front side	0.355	0.223	0.188	0.543
	Back side	0.586	0.220	0.311	0.897

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n38	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.219	0.153	0.292	0.511
	Back side	0.325	0.253	0.499	0.824
Band 4	Front side	0.245	0.122	0.292	0.537
	Back side	0.295	0.203	0.499	0.794
Band 5	Front side	0.170	0.169	0.292	0.462



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

Report No.: SZCR250100029101

Page: 182 of 213

	Back side	0.236	0.211	0.499	0.735
Band 66	Front side	0.245	0.122	0.292	0.537
	Back side	0.295	0.203	0.499	0.794

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n41	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.219	0.153	0.292	0.511
	Back side	0.325	0.253	0.499	0.824
Band 4	Front side	0.245	0.122	0.292	0.537
	Back side	0.295	0.203	0.499	0.794
Band 26	Front side	0.170	0.169	0.292	0.462
	Back side	0.236	0.211	0.499	0.735
Band 66	Front side	0.245	0.122	0.292	0.537
	Back side	0.295	0.203	0.499	0.794

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n66	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.219	0.153	0.298	0.517
	Back side	0.325	0.253	0.495	0.820
Band 5	Front side	0.170	0.169	0.298	0.468
	Back side	0.236	0.211	0.495	0.731
Band 7	Front side	0.102	0.223	0.298	0.521
	Back side	0.325	0.220	0.495	0.820

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n77				EN_DC Summed SAR
				ANT11	ANT12	ANT21	ANT23	
Band 7	Front side	0.102	0.223	0.330	0.344	0.159	0.209	0.567
	Back side	0.325	0.220	0.464	0.438	0.308	0.412	0.789

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n78				EN_DC Summed SAR
				ANT11	ANT12	ANT21	ANT23	
Band 2	Front side	0.219	0.153	0.345	0.441	0.159	0.209	0.660
	Back side	0.325	0.253	0.446	0.488	0.308	0.412	0.813
Band 4	Front side	0.245	0.122	0.345	0.441	0.159	0.209	0.686
	Back side	0.295	0.203	0.446	0.488	0.308	0.412	0.783



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

Report No.: SZCR250100029101

Page: 183 of 213

Band 5	Front side	0.170	0.169	0.345	0.441	0.159	0.209	0.611
	Back side	0.236	0.211	0.446	0.488	0.308	0.412	0.724
Band 7	Front side	0.102	0.223	0.345	0.441	0.159	0.209	0.664
	Back side	0.325	0.220	0.446	0.488	0.308	0.412	0.813
Band 26	Front side	0.170	0.169	0.345	0.441	0.159	0.209	0.611
	Back side	0.236	0.211	0.446	0.488	0.308	0.412	0.724
Band 38	Front side	0.138	0.165	0.345	0.441	0.159	0.209	0.606
	Back side	0.523	0.209	0.446	0.488	0.308	0.412	1.011
Band 41	Front side	0.138	0.165	0.345	0.441	0.159	0.209	0.606
	Back side	0.523	0.209	0.446	0.488	0.308	0.412	1.011
Band 66	Front side	0.245	0.122	0.345	0.441	0.159	0.209	0.686
	Back side	0.295	0.203	0.446	0.488	0.308	0.412	0.783

Test position		SARmax (W/kg)		Summed SAR
		WiFi 5G Ant22	BT	
		1	2	
WLAN	Front side	0.136	0.020	0.156
	Back side	0.338	0.027	0.365

Test position		SARmax (W/kg)				Summed SAR			
		WWAN Max SAR	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
GSM850	Front side	0.206	0.149	0.136	0.020	0.355	0.342	0.226	0.362
	Back side	0.301	0.269	0.338	0.027	0.570	0.639	0.328	0.666
GSM1900	Front side	0.209	0.149	0.136	0.020	0.358	0.345	0.229	0.365
	Back side	0.244	0.269	0.338	0.027	0.513	0.582	0.271	0.609
WCDMA B2	Front side	0.402	0.149	0.136	0.020	0.551	0.538	0.422	0.558
	Back side	0.504	0.269	0.338	0.027	0.773	0.842	0.531	0.869
WCDMA B4	Front side	0.455	0.149	0.136	0.020	0.604	0.591	0.475	0.611
	Back side	0.494	0.269	0.338	0.027	0.763	0.832	0.521	0.859
WCDMA B5	Front side	0.201	0.149	0.136	0.020	0.350	0.337	0.221	0.357
	Back side	0.285	0.269	0.338	0.027	0.554	0.623	0.312	0.650
LTE B2	Front side	0.436	0.149	0.136	0.020	0.585	0.572	0.456	0.592
	Back side	0.649	0.269	0.338	0.027	0.918	0.987	0.676	1.014
LTE B7	Front side	0.355	0.149	0.136	0.020	0.504	0.491	0.375	0.511
	Back side	0.649	0.269	0.338	0.027	0.918	0.987	0.676	1.014
LTE B12	Front side	0.197	0.149	0.136	0.020	0.346	0.333	0.217	0.353
	Back side	0.245	0.269	0.338	0.027	0.514	0.583	0.272	0.610
LTE B13	Front side	0.255	0.149	0.136	0.020	0.404	0.391	0.275	0.411
	Back side	0.349	0.269	0.338	0.027	0.618	0.687	0.376	0.714
LTE B26	Front side	0.170	0.149	0.136	0.020	0.319	0.306	0.190	0.326
	Back side	0.236	0.269	0.338	0.027	0.505	0.574	0.263	0.601



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

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

Report No.: SZCR250100029101

Page: 184 of 213

LTE B41	Front side	0.257	0.149	0.136	0.020	0.406	0.393	0.277	0.413
	Back side	0.523	0.269	0.338	0.027	0.792	0.861	0.550	0.888
LTE B66	Front side	0.489	0.149	0.136	0.020	0.638	0.625	0.509	0.645
	Back side	0.671	0.269	0.338	0.027	0.940	1.009	0.698	1.036
N2	Front side	0.431	0.149	0.136	0.020	0.580	0.567	0.451	0.587
	Back side	0.555	0.269	0.338	0.027	0.824	0.893	0.582	0.920
N7	Front side	0.409	0.149	0.136	0.020	0.558	0.545	0.429	0.565
	Back side	0.530	0.269	0.338	0.027	0.799	0.868	0.557	0.895
N26	Front side	0.190	0.149	0.136	0.020	0.339	0.326	0.210	0.346
	Back side	0.311	0.269	0.338	0.027	0.580	0.649	0.338	0.676
N41	Front side	0.292	0.149	0.136	0.020	0.441	0.428	0.312	0.448
	Back side	0.792	0.269	0.338	0.027	1.061	1.130	0.819	1.157
N66	Front side	0.526	0.149	0.136	0.020	0.675	0.662	0.546	0.682
	Back side	0.538	0.269	0.338	0.027	0.807	0.876	0.565	0.903
N77	Front side	0.473	0.149	0.136	0.020	0.622	0.609	0.493	0.629
	Back side	0.778	0.269	0.338	0.027	1.047	1.116	0.805	1.143
N78	Front side	0.458	0.149	0.136	0.020	0.607	0.594	0.478	0.614
	Back side	0.780	0.269	0.338	0.027	1.049	1.118	0.807	1.145

Test position		SARmax (W/kg)				Summed SAR			
		Inter-band UL CA	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
CA_2A-4A	Front side	0.487	0.149	0.136	0.020	0.636	0.623	0.507	0.643
	Back side	0.723	0.269	0.338	0.027	0.992	1.061	0.750	1.088
CA_2A-7A	Front side	0.397	0.149	0.136	0.020	0.546	0.533	0.417	0.553
	Back side	0.619	0.269	0.338	0.027	0.888	0.957	0.646	0.984
CA_4A-5A	Front side	0.489	0.149	0.136	0.020	0.638	0.625	0.509	0.645
	Back side	0.634	0.269	0.338	0.027	0.903	0.972	0.661	0.999
CA_4A-7A	Front side	0.667	0.149	0.136	0.020	0.816	0.803	0.687	0.823
	Back side	0.882	0.269	0.338	0.027	1.151	1.220	0.909	1.247
CA_5A-7A	Front side	0.393	0.149	0.136	0.020	0.542	0.529	0.413	0.549
	Back side	0.530	0.269	0.338	0.027	0.799	0.868	0.557	0.895

Test position		SARmax (W/kg)				Summed SAR			
		EN-DC Max SAR	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
n2-B4	Front side	0.468	0.149	0.136	0.020	0.617	0.604	0.488	0.624
	Back side	0.625	0.269	0.338	0.027	0.894	0.963	0.652	0.990
n2-B7	Front side	0.275	0.149	0.136	0.020	0.424	0.411	0.295	0.431
	Back side	0.381	0.269	0.338	0.027	0.650	0.719	0.408	0.746
n2-B66	Front side	0.468	0.149	0.136	0.020	0.617	0.604	0.488	0.624
	Back side	0.625	0.269	0.338	0.027	0.894	0.963	0.652	0.990
n5-B7	Front side	0.543	0.149	0.136	0.020	0.692	0.679	0.563	0.699
	Back side	0.897	0.269	0.338	0.027	1.166	1.235	0.924	1.262
n7-B2	Front side	0.628	0.149	0.136	0.020	0.777	0.764	0.648	0.784
	Back side	0.855	0.269	0.338	0.027	1.124	1.193	0.882	1.220



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

Report No.: SZCR250100029101

Page: 185 of 213

n7-B4	Front side	0.654	0.149	0.136	0.020	0.803	0.790	0.674	0.810
	Back side	0.825	0.269	0.338	0.027	1.094	1.163	0.852	1.190
n7-B5	Front side	0.579	0.149	0.136	0.020	0.728	0.715	0.599	0.735
	Back side	0.766	0.269	0.338	0.027	1.035	1.104	0.793	1.131
n7-B66	Front side	0.654	0.149	0.136	0.020	0.803	0.790	0.674	0.810
	Back side	0.825	0.269	0.338	0.027	1.094	1.163	0.852	1.190
n26-B7	Front side	0.543	0.149	0.136	0.020	0.692	0.679	0.563	0.699
	Back side	0.897	0.269	0.338	0.027	1.166	1.235	0.924	1.262
n38-B2	Front side	0.511	0.149	0.136	0.020	0.660	0.647	0.531	0.667
	Back side	0.824	0.269	0.338	0.027	1.093	1.162	0.851	1.189
n38-B4	Front side	0.537	0.149	0.136	0.020	0.686	0.673	0.557	0.693
	Back side	0.794	0.269	0.338	0.027	1.063	1.132	0.821	1.159
n38-B5	Front side	0.462	0.149	0.136	0.020	0.611	0.598	0.482	0.618
	Back side	0.735	0.269	0.338	0.027	1.004	1.073	0.762	1.100
n38-B66	Front side	0.537	0.149	0.136	0.020	0.686	0.673	0.557	0.693
	Back side	0.794	0.269	0.338	0.027	1.063	1.132	0.821	1.159
n41-B2	Front side	0.511	0.149	0.136	0.020	0.660	0.647	0.531	0.667
	Back side	0.824	0.269	0.338	0.027	1.093	1.162	0.851	1.189
n41-B4	Front side	0.537	0.149	0.136	0.020	0.686	0.673	0.557	0.693
	Back side	0.794	0.269	0.338	0.027	1.063	1.132	0.821	1.159
n41-B26	Front side	0.462	0.149	0.136	0.020	0.611	0.598	0.482	0.618
	Back side	0.735	0.269	0.338	0.027	1.004	1.073	0.762	1.100
n41-B66	Front side	0.537	0.149	0.136	0.020	0.686	0.673	0.557	0.693
	Back side	0.794	0.269	0.338	0.027	1.063	1.132	0.821	1.159
n66-B2	Front side	0.517	0.149	0.136	0.020	0.666	0.653	0.537	0.673
	Back side	0.820	0.269	0.338	0.027	1.089	1.158	0.847	1.185
n66-B5	Front side	0.468	0.149	0.136	0.020	0.617	0.604	0.488	0.624
	Back side	0.731	0.269	0.338	0.027	1.000	1.069	0.758	1.096
n66-B7	Front side	0.521	0.149	0.136	0.020	0.670	0.657	0.541	0.677
	Back side	0.820	0.269	0.338	0.027	1.089	1.158	0.847	1.185
n77-B7	Front side	0.567	0.149	0.136	0.020	0.716	0.703	0.587	0.723
	Back side	0.789	0.269	0.338	0.027	1.058	1.127	0.816	1.154
n78-B2	Front side	0.660	0.149	0.136	0.020	0.809	0.796	0.680	0.816
	Back side	0.813	0.269	0.338	0.027	1.082	1.151	0.840	1.178
n78-B4	Front side	0.686	0.149	0.136	0.020	0.835	0.822	0.706	0.842
	Back side	0.783	0.269	0.338	0.027	1.052	1.121	0.810	1.148
n78-B5	Front side	0.611	0.149	0.136	0.020	0.760	0.747	0.631	0.767
	Back side	0.724	0.269	0.338	0.027	0.993	1.062	0.751	1.089
n78-B7	Front side	0.664	0.149	0.136	0.020	0.813	0.800	0.684	0.820
	Back side	0.813	0.269	0.338	0.027	1.082	1.151	0.840	1.178
n78-B26	Front side	0.611	0.149	0.136	0.020	0.760	0.747	0.631	0.767
	Back side	0.724	0.269	0.338	0.027	0.993	1.062	0.751	1.089
n78-B38	Front side	0.606	0.149	0.136	0.020	0.755	0.742	0.626	0.762
	Back side	1.011	0.269	0.338	0.027	1.280	1.349	1.038	1.376
n78-B41	Front side	0.606	0.149	0.136	0.020	0.755	0.742	0.626	0.762
	Back side	1.011	0.269	0.338	0.027	1.280	1.349	1.038	1.376
n78-B66	Front side	0.686	0.149	0.136	0.020	0.835	0.822	0.706	0.842
	Back side	0.783	0.269	0.338	0.027	1.052	1.121	0.810	1.148



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

Report No.: SZCR250100029101

Page: 186 of 213

Hotspot:

Inter-band UL CA

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 2		ULCA Summed SAR
			Ant13	Ant31	
Band 4	Front side	0.190	0.201	0.274	0.464
	Back side	0.312	0.327	0.473	0.785
	Left side	0.515	0.042	0.062	0.577
	Right side	/	/	0.136	0.136
	Top side	0.008	0.468	/	0.476
	Bottom side	/	/	0.561	0.561
Band 7	Front side	0.162	0.201	0.274	0.436
	Back side	0.279	0.327	0.473	0.752
	Left side	0.430	0.042	0.062	0.492
	Right side	/	/	0.136	0.136
	Top side	0.050	0.468	/	0.518
	Bottom side	/	/	0.561	0.561

LTE Band (ULCA)	Exposure position	ANT13	LTE Band 4		ULCA Summed SAR
			Ant11	Ant31	
Band 5	Front side	0.329	0.190	0.173	0.519
	Back side	0.412	0.312	0.310	0.724
	Left side	0.140	0.515	0.057	0.655
	Right side	/	/	0.074	0.074
	Top side	0.407	0.008	/	0.415
	Bottom side	/	/	0.346	0.346
Band 7	Front side	/	0.190	0.173	0.190
	Back side	/	0.312	0.310	0.312
	Left side	/	0.515	0.057	0.515
	Right side	/	/	0.074	0.074
	Top side	/	0.008	/	0.008
	Bottom side	/	/	0.346	0.346

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 4		ULCA Summed SAR
			Ant13	Ant31	
Band 5	Front side	/	0.364	0.173	0.364
	Back side	/	0.438	0.310	0.438
	Left side	/	0.092	0.057	0.092
	Right side	/	/	0.074	0.074
	Top side	/	0.608	/	0.608
	Bottom side	/	/	0.346	0.346
Band 7	Front side	0.162	0.364	0.173	0.526
	Back side	0.279	0.438	0.310	0.717



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

Report No.: SZCR250100029101

Page: 187 of 213

	Left side	0.430	0.092	0.057	0.522
	Right side	/	/	0.074	0.074
	Top side	0.050	0.608	/	0.658
	Bottom side	/	/	0.346	0.346

LTE Band (ULCA)	Exposure position	ANT11	ANT31	LTE Band 5	ULCA Summed SAR
				Ant13	
Band 7	Front side	0.162	0.187	0.329	0.516
	Back side	0.279	0.203	0.412	0.691
	Left side	0.430	0.079	0.140	0.570
	Right side	/	0.127	/	0.127
	Top side	0.050	/	0.407	0.457
	Bottom side	/	0.176	/	0.176

EN-DC

LTE Band (EN_DC)	Exposure position	ANT13	n2	EN_DC Summed SAR
			ANT31	
Band 4	Front side	0.182	0.334	0.516
	Back side	0.220	0.539	0.759
	Left side	0.046	0.007	0.053
	Right side	/	0.165	0.165
	Top side	/	/	/
	Bottom side	/	0.797	0.797
Band 7	Front side	/	0.334	0.334
	Back side	/	0.539	0.539
	Left side	/	0.007	0.007
	Right side	/	0.165	0.165
	Top side	/	/	/
	Bottom side	/	0.797	0.797
Band 66	Front side	0.182	0.334	0.516
	Back side	0.220	0.539	0.759
	Left side	0.046	0.007	0.053
	Right side	/	0.165	0.165
	Top side	/	/	/
	Bottom side	/	0.797	0.797



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

Report No.: SZCR250100029101

Page: 188 of 213

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n2	EN_DC Summed SAR
				ANT11	
Band 4	Front side	0.182	/	0.014	0.196
	Back side	0.220	/	0.038	0.258
	Left side	0.046	/	0.102	0.148
	Right side	/	/	/	/
	Top side	/	/	0.011	0.011
	Bottom side	/	/	/	/
Band 7	Front side	0.055	0.187	0.014	0.201
	Back side	0.204	0.203	0.038	0.242
	Left side	0.040	0.079	0.102	0.181
	Right side	/	0.176	/	0.176
	Top side	/	/	0.011	0.011
	Bottom side	/	0.176	/	0.176
Band 66	Front side	0.182	/	0.014	0.196
	Back side	0.220	/	0.038	0.258
	Left side	0.046	/	0.102	0.148
	Right side	/	/	/	/
	Top side	/	/	0.011	0.011
	Bottom side	/	/	/	/

LTE Band (EN_DC)	Exposure position	ANT11	ANT31	n5	EN_DC Summed SAR
				ANT13	
Band 7	Front side	0.162	0.187	0.337	0.524
	Back side	0.279	0.203	0.410	0.689
	Left side	0.430	0.079	0.199	0.629
	Right side	/	0.176	/	0.176
	Top side	/	/	/	/
	Bottom side	/	0.176	/	0.176

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n7	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.201	0.137	0.172	0.373
	Back side	0.327	0.237	0.295	0.622
	Left side	0.042	0.031	0.480	0.522



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

Report No.: SZCR250100029101

Page: 189 of 213

	Right side	/	0.281	/	0.281
	Top side	0.182	0.173	0.056	0.238
	Bottom side	/	0.281	/	0.281
Band 4	Front side	0.182	0.173	0.172	0.354
	Back side	0.220	0.310	0.295	0.605
	Left side	0.046	0.057	0.480	0.537
	Right side	/	0.346	/	0.346
	Top side	/	/	0.056	0.056
	Bottom side	/	0.346	/	0.346
Band 5	Front side	0.165	0.188	0.172	0.360
	Back side	0.206	0.264	0.295	0.559
	Left side	0.070	0.203	0.480	0.683
	Right side	/	0.252	/	0.252
	Top side	0.182	0.173	0.056	0.238
	Bottom side	/	0.252	/	0.252
Band 66	Front side	0.182	0.173	0.172	0.354
	Back side	0.220	0.310	0.295	0.605
	Left side	0.046	0.057	0.480	0.537
	Right side	/	0.346	/	0.346
	Top side	/	/	0.056	0.056
	Bottom side	/	0.346	/	0.346

LTE Band (EN_DC)	Exposure position	ANT11	ANT31	n26	EN_DC Summed SAR
				ANT13	
Band 7	Front side	0.162	0.187	0.337	0.524
	Back side	0.279	0.203	0.410	0.689
	Left side	0.430	0.079	0.199	0.629
	Right side	/	0.176	/	0.176
	Top side	0.050	/	0.415	0.465
	Bottom side	/	0.176	/	0.176

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n38	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.201	0.137	0.175	0.376
	Back side	0.327	0.237	0.315	0.642



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

Report No.: SZCR250100029101

Page: 190 of 213

	Left side	0.042	0.031	0.558	0.600
	Right side	/	0.281	/	0.281
	Top side	0.182	0.173	0.049	0.231
	Bottom side	/	0.281	/	0.281
Band 4	Front side	0.182	0.173	0.175	0.357
	Back side	0.220	0.310	0.315	0.625
	Left side	0.046	0.057	0.558	0.615
	Right side	/	0.346	/	0.346
	Top side	/	/	0.049	0.049
	Bottom side	/	0.346	/	0.346
Band 5	Front side	0.165	0.188	0.175	0.363
	Back side	0.206	0.264	0.315	0.579
	Left side	0.070	0.203	0.558	0.761
	Right side	/	0.252	/	0.252
	Top side	0.182	0.173	0.049	0.231
	Bottom side	/	0.252	/	0.252
Band 66	Front side	0.182	0.173	0.175	0.357
	Back side	0.220	0.310	0.315	0.625
	Left side	0.046	0.057	0.558	0.615
	Right side	/	0.346	/	0.346
	Top side	/	/	0.049	0.049
	Bottom side	/	0.346	/	0.346

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n41	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.201	0.137	0.175	0.376
	Back side	0.327	0.237	0.315	0.642
	Left side	0.042	0.031	0.558	0.600
	Right side	/	0.281	/	0.281
	Top side	0.182	0.173	0.049	0.231
	Bottom side	/	0.281	/	0.281
Band 4	Front side	0.182	0.173	0.175	0.357
	Back side	0.220	0.310	0.315	0.625
	Left side	0.046	0.057	0.558	0.615
	Right side	/	0.346	/	0.346
	Top side	/	/	0.049	0.049



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

Report No.: SZCR250100029101

Page: 191 of 213

	Bottom side	/	0.346	/	0.346
Band 26	Front side	0.165	0.188	0.175	0.363
	Back side	0.206	0.264	0.315	0.579
	Left side	0.070	0.203	0.558	0.761
	Right side	/	0.252	/	0.252
	Top side	0.065	0.217	0.049	0.266
	Bottom side	/	0.252	/	0.252
Band 66	Front side	0.182	0.173	0.175	0.357
	Back side	0.220	0.310	0.315	0.625
	Left side	0.046	0.057	0.558	0.615
	Right side	/	0.346	/	0.346
	Top side	/	/	0.049	0.049
	Bottom side	/	0.346	/	0.346

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n66	EN_DC Summed SAR
				ANT11	
Band 2	Front side	0.201	0.137	0.236	0.437
	Back side	0.327	0.237	0.394	0.721
	Left side	0.042	0.031	0.608	0.650
	Right side	/	0.281	/	0.281
	Top side	0.182	0.173	0.054	0.236
	Bottom side	/	0.281	/	0.281
Band 5	Front side	0.165	0.188	0.236	0.424
	Back side	0.206	0.264	0.394	0.658
	Left side	0.070	0.203	0.608	0.811
	Right side	/	0.252	/	0.252
	Top side	0.055	0.187	0.054	0.241
	Bottom side	/	0.252	/	0.252
Band 7	Front side	0.055	0.187	0.236	0.423
	Back side	0.204	0.203	0.394	0.598
	Left side	0.040	0.079	0.608	0.687
	Right side	/	0.176	/	0.176
	Top side	0.165	0.188	0.054	0.242
	Bottom side	/	0.176	/	0.176



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Report No.: SZCR250100029101

Page: 192 of 213

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n77				EN_DC Summed SAR
				ANT11	ANT12	ANT21	ANT23	
Band 7	Front side	0.055	0.187	0.266	0.274	0.178	0.172	0.461
	Back side	0.204	0.203	0.483	0.334	0.380	0.298	0.687
	Left side	0.040	0.079	0.599	0.264	/	/	0.678
	Right side	/	0.176	/	/	0.086	0.508	0.684
	Top side	0.165	0.188	0.079	0.142	0.257	0.075	0.445
	Bottom side	/	0.176	/	/	/	/	0.176

LTE Band (EN_DC)	Exposure position	ANT13	ANT31	n78				EN_DC Summed SAR
				ANT11	ANT12	ANT21	ANT23	
Band 2	Front side	0.201	0.137	0.251	0.291	0.178	0.172	0.492
	Back side	0.327	0.237	0.358	0.339	0.380	0.298	0.707
	Left side	0.042	0.031	0.583	0.271	/	/	0.625
	Right side	/	0.068	/	/	0.086	0.508	0.576
	Top side	0.468	/	0.077	0.158	0.257	0.075	0.725
	Bottom side	/	0.281	/	/	/	/	0.281
Band 4	Front side	0.182	0.173	0.251	0.291	0.178	0.172	0.473
	Back side	0.220	0.310	0.358	0.339	0.380	0.298	0.690
	Left side	0.046	0.057	0.583	0.271	/	/	0.640
	Right side	/	0.074	/	/	0.086	0.508	0.582
	Top side	0.305	/	0.077	0.158	0.257	0.075	0.562
	Bottom side	/	0.346	/	/	/	/	0.346
Band 5	Front side	0.165	0.188	0.251	0.291	0.178	0.172	0.479
	Back side	0.206	0.264	0.358	0.339	0.380	0.298	0.644
	Left side	0.070	0.203	0.583	0.271	/	/	0.786
	Right side	/	0.107	/	/	0.086	0.508	0.615
	Top side	0.204	/	0.077	0.158	0.257	0.075	0.461
	Bottom side	/	0.252	/	/	/	/	0.252
Band 7	Front side	0.055	0.187	0.251	0.291	0.178	0.172	0.478
	Back side	0.204	0.203	0.358	0.339	0.380	0.298	0.584
	Left side	0.040	0.079	0.583	0.271	/	/	0.662
	Right side	/	0.127	/	/	0.086	0.508	0.635
	Top side	0.214	/	0.077	0.158	0.257	0.075	0.471
	Bottom side	/	0.176	/	/	/	/	0.176
Band 26	Front side	0.165	0.188	0.251	0.291	0.178	0.172	0.479



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

Report No.: SZCR250100029101

Page: 193 of 213

	Back side	0.206	0.264	0.358	0.339	0.380	0.298	0.644
	Left side	0.070	0.203	0.583	0.271	/	/	0.786
	Right side	/	0.107	/	/	0.086	0.508	0.615
	Top side	0.204	/	0.077	0.158	0.257	0.075	0.461
	Bottom side	/	0.252	/	/	/	/	0.252
Band 38	Front side	0.065	0.217	0.251	0.291	0.178	0.172	0.508
	Back side	0.228	0.222	0.358	0.339	0.380	0.298	0.608
	Left side	0.051	0.073	0.583	0.271	/	/	0.656
	Right side	/	0.136	/	/	0.086	0.508	0.644
	Top side	0.298	/	0.077	0.158	0.257	0.075	0.555
	Bottom side	/	0.218	/	/	/	/	0.218
Band 41	Front side	0.065	0.217	0.251	0.291	0.178	0.172	0.508
	Back side	0.228	0.222	0.358	0.339	0.380	0.298	0.608
	Left side	0.051	0.073	0.583	0.271	/	/	0.656
	Right side	/	0.136	/	/	0.086	0.508	0.644
	Top side	0.298	/	0.077	0.158	0.257	0.075	0.555
	Bottom side	/	0.218	/	/	/	/	0.218
Band 66	Front side	0.182	0.173	0.251	0.291	0.178	0.172	0.473
	Back side	0.220	0.310	0.358	0.339	0.380	0.298	0.690
	Left side	0.046	0.057	0.583	0.271	/	/	0.640
	Right side	/	0.074	/	/	0.086	0.508	0.582
	Top side	0.305	/	0.077	0.158	0.257	0.075	0.562
	Bottom side	/	0.346	/	/	/	/	0.346

Test position		SARmax (W/kg)		Summed SAR
		WiFi 5G Ant22	BT	
		1	2	1+2
WLAN	Front side	0.169	0.017	0.186
	Back side	0.555	0.038	0.593
	Left side	/	/	/
	Right side	0.218	0.026	0.244
	Top side	0.513	0.030	0.543
	Bottom side	/	/	/



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

Report No.: SZCR250100029101

Page: 194 of 213

Test position		SARmax (W/kg)				Summed SAR			
		WWAN Max SAR	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
GSM850	Front side	0.286	0.269	0.169	0.017	0.555	0.455	0.303	0.472
	Back side	0.313	0.389	0.555	0.038	0.702	0.868	0.351	0.906
	Left side	0.259	/	/	/	0.259	0.259	0.259	0.259
	Right side	0.142	0.300	0.218	0.026	0.442	0.360	0.168	0.386
	Top side	0.299	0.350	0.513	0.030	0.649	0.812	0.329	0.842
	Bottom side	0.294	/	/	/	0.294	0.294	0.294	0.294
GSM1900	Front side	0.209	0.269	0.169	0.017	0.478	0.378	0.226	0.395
	Back side	0.244	0.389	0.555	0.038	0.633	0.799	0.282	0.837
	Left side	/	/	/	/	/	/	/	/
	Right side	0.259	0.300	0.218	0.026	0.559	0.477	0.285	0.503
	Top side	0.433	0.350	0.513	0.030	0.783	0.946	0.463	0.976
	Bottom side	0.071	/	/	/	0.071	0.071	0.071	0.071
WCDMA B2	Front side	0.201	0.269	0.169	0.017	0.470	0.370	0.218	0.387
	Back side	0.322	0.389	0.555	0.038	0.711	0.877	0.360	0.915
	Left side	0.045	/	/	/	0.045	0.045	0.045	0.045
	Right side	0.125	0.300	0.218	0.026	0.425	0.343	0.151	0.369
	Top side	0.394	0.350	0.513	0.030	0.744	0.907	0.424	0.937
	Bottom side	0.381	/	/	/	0.381	0.381	0.381	0.381
WCDMA B4	Front side	0.309	0.269	0.169	0.017	0.578	0.478	0.326	0.495
	Back side	0.354	0.389	0.555	0.038	0.743	0.909	0.392	0.947
	Left side	0.089	/	/	/	0.089	0.089	0.089	0.089
	Right side	0.014	0.300	0.218	0.026	0.314	0.232	0.040	0.258
	Top side	0.475	0.350	0.513	0.030	0.825	0.988	0.505	1.018
	Bottom side	0.223	/	/	/	0.223	0.223	0.223	0.223
WCDMA B5	Front side	0.354	0.269	0.169	0.017	0.623	0.523	0.371	0.540
	Back side	0.429	0.389	0.555	0.038	0.818	0.984	0.467	1.022
	Left side	0.175	/	/	/	0.175	0.175	0.175	0.175
	Right side	0.090	0.300	0.218	0.026	0.390	0.308	0.116	0.334
	Top side	0.393	0.350	0.513	0.030	0.743	0.906	0.423	0.936
	Bottom side	0.228	/	/	/	0.228	0.228	0.228	0.228
LTE B2	Front side	0.274	0.269	0.169	0.017	0.543	0.443	0.291	0.460
	Back side	0.473	0.389	0.555	0.038	0.862	1.028	0.511	1.066
	Left side	0.084	/	/	/	0.084	0.084	0.084	0.084
	Right side	0.136	0.300	0.218	0.026	0.436	0.354	0.162	0.380
	Top side	0.468	0.350	0.513	0.030	0.818	0.981	0.498	1.011
	Bottom side	0.561	/	/	/	0.561	0.561	0.561	0.561
LTE B7	Front side	0.187	0.269	0.169	0.017	0.456	0.356	0.204	0.373
	Back side	0.406	0.389	0.555	0.038	0.795	0.961	0.444	0.999
	Left side	0.430	/	/	/	0.430	0.430	0.430	0.430
	Right side	0.127	0.300	0.218	0.026	0.427	0.345	0.153	0.371
	Top side	0.428	0.350	0.513	0.030	0.778	0.941	0.458	0.971
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176
LTE B12	Front side	0.182	0.269	0.169	0.017	0.451	0.351	0.199	0.368
	Back side	0.234	0.389	0.555	0.038	0.623	0.789	0.272	0.827
	Left side	0.337	/	/	/	0.337	0.337	0.337	0.337
	Right side	0.175	0.300	0.218	0.026	0.475	0.393	0.201	0.419



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

Report No.: SZCR250100029101

Page: 195 of 213

	Top side	0.148	0.350	0.513	0.030	0.498	0.661	0.178	0.691
	Bottom side	0.167	/	/	/	0.167	0.167	0.167	0.167
LTE B13	Front side	0.229	0.269	0.169	0.017	0.498	0.398	0.246	0.415
	Back side	0.303	0.389	0.555	0.038	0.692	0.858	0.341	0.896
	Left side	0.378	/	/	/	0.378	0.378	0.378	0.378
	Right side	0.185	0.300	0.218	0.026	0.485	0.403	0.211	0.429
	Top side	0.200	0.350	0.513	0.030	0.550	0.713	0.230	0.743
	Bottom side	0.333	/	/	/	0.333	0.333	0.333	0.333
LTE B26	Front side	0.329	0.269	0.169	0.017	0.598	0.498	0.346	0.515
	Back side	0.412	0.389	0.555	0.038	0.801	0.967	0.450	1.005
	Left side	0.203	/	/	/	0.203	0.203	0.203	0.203
	Right side	0.107	0.300	0.218	0.026	0.407	0.325	0.133	0.351
	Top side	0.407	0.350	0.513	0.030	0.757	0.920	0.437	0.950
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
LTE B41	Front side	0.217	0.269	0.169	0.017	0.486	0.386	0.234	0.403
	Back side	0.454	0.389	0.555	0.038	0.843	1.009	0.492	1.047
	Left side	0.597	/	/	/	0.597	0.597	0.597	0.597
	Right side	0.136	0.300	0.218	0.026	0.436	0.354	0.162	0.380
	Top side	0.594	0.350	0.513	0.030	0.944	1.107	0.624	1.137
	Bottom side	0.218	/	/	/	0.218	0.218	0.218	0.218
LTE B66	Front side	0.364	0.269	0.169	0.017	0.633	0.533	0.381	0.550
	Back side	0.438	0.389	0.555	0.038	0.827	0.993	0.476	1.031
	Left side	0.515	/	/	/	0.515	0.515	0.515	0.515
	Right side	0.074	0.300	0.218	0.026	0.374	0.292	0.100	0.318
	Top side	0.608	0.350	0.513	0.030	0.958	1.121	0.638	1.151
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
N2	Front side	0.334	0.269	0.169	0.017	0.603	0.503	0.351	0.520
	Back side	0.539	0.389	0.555	0.038	0.928	1.094	0.577	1.132
	Left side	0.102	/	/	/	0.102	0.102	0.102	0.102
	Right side	0.165	0.300	0.218	0.026	0.465	0.383	0.191	0.409
	Top side	0.442	0.350	0.513	0.030	0.792	0.955	0.472	0.985
	Bottom side	0.797	/	/	/	0.797	0.797	0.797	0.797
N7	Front side	0.376	0.269	0.169	0.017	0.645	0.545	0.393	0.562
	Back side	0.421	0.389	0.555	0.038	0.810	0.976	0.459	1.014
	Left side	0.480	/	/	/	0.480	0.480	0.480	0.480
	Right side	0.280	0.300	0.218	0.026	0.580	0.498	0.306	0.524
	Top side	0.481	0.350	0.513	0.030	0.831	0.994	0.511	1.024
	Bottom side	0.393	/	/	/	0.393	0.393	0.393	0.393
N26	Front side	0.337	0.269	0.169	0.017	0.606	0.506	0.354	0.523
	Back side	0.410	0.389	0.555	0.038	0.799	0.965	0.448	1.003
	Left side	0.249	/	/	/	0.249	0.249	0.249	0.249
	Right side	0.123	0.300	0.218	0.026	0.423	0.341	0.149	0.367
	Top side	0.415	0.350	0.513	0.030	0.765	0.928	0.445	0.958
	Bottom side	0.248	/	/	/	0.248	0.248	0.248	0.248
N41	Front side	0.392	0.269	0.169	0.017	0.661	0.561	0.409	0.578
	Back side	0.439	0.389	0.555	0.038	0.828	0.994	0.477	1.032
	Left side	0.558	/	/	/	0.558	0.558	0.558	0.558
	Right side	0.254	0.300	0.218	0.026	0.554	0.472	0.280	0.498
	Top side	0.478	0.350	0.513	0.030	0.828	0.991	0.508	1.021
	Bottom side	0.365	/	/	/	0.365	0.365	0.365	0.365



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

Report No.: SZCR250100029101

Page: 196 of 213

N66	Front side	0.411	0.269	0.169	0.017	0.680	0.580	0.428	0.597
	Back side	0.478	0.389	0.555	0.038	0.867	1.033	0.516	1.071
	Left side	0.608	/	/	/	0.608	0.608	0.608	0.608
	Right side	0.073	0.300	0.218	0.026	0.373	0.291	0.099	0.317
	Top side	0.614	0.350	0.513	0.030	0.964	1.127	0.644	1.157
	Bottom side	0.341	/	/	/	0.341	0.341	0.341	0.341
N77	Front side	0.356	0.269	0.169	0.017	0.625	0.525	0.373	0.542
	Back side	0.714	0.389	0.555	0.038	1.103	1.269	0.752	1.307
	Left side	0.599	/	/	/	0.599	0.599	0.599	0.599
	Right side	0.818	0.300	0.218	0.026	1.118	1.036	0.844	1.062
	Top side	0.513	0.350	0.513	0.030	0.863	1.026	0.543	1.056
	Bottom side	/	/	/	/	/	/	/	/
N78	Front side	0.291	0.269	0.169	0.017	0.560	0.460	0.308	0.477
	Back side	0.358	0.389	0.555	0.038	0.747	0.913	0.396	0.951
	Left side	0.583	/	/	/	0.583	0.583	0.583	0.583
	Right side	/	0.300	0.218	0.026	0.300	0.218	0.026	0.244
	Top side	0.158	0.350	0.513	0.030	0.508	0.671	0.188	0.701
	Bottom side	/	/	/	/	/	/	/	/

Test position		SARmax (W/kg)				Summed SAR			
		Inter-band UL CA	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
CA_2A-4A	Front side	0.464	0.269	0.169	0.017	0.733	0.633	0.481	0.650
	Back side	0.785	0.389	0.555	0.038	1.174	1.340	0.823	1.378
	Left side	0.577	/	/	/	0.577	0.577	0.577	0.577
	Right side	0.136	0.300	0.218	0.026	0.436	0.354	0.162	0.380
	Top side	0.476	0.350	0.513	0.030	0.826	0.989	0.506	1.019
	Bottom side	0.561	/	/	/	0.561	0.561	0.561	0.561
CA_2A-7A	Front side	0.436	0.269	0.169	0.017	0.705	0.605	0.453	0.622
	Back side	0.752	0.389	0.555	0.038	1.141	1.307	0.790	1.345
	Left side	0.492	/	/	/	0.492	0.492	0.492	0.492
	Right side	0.136	0.300	0.218	0.026	0.436	0.354	0.162	0.380
	Top side	0.518	0.350	0.513	0.030	0.868	1.031	0.548	1.061
	Bottom side	0.561	/	/	/	0.561	0.561	0.561	0.561
CA_4A-5A	Front side	0.519	0.269	0.169	0.017	0.788	0.688	0.536	0.705
	Back side	0.724	0.389	0.555	0.038	1.113	1.279	0.762	1.317
	Left side	0.655	/	/	/	0.655	0.655	0.655	0.655
	Right side	0.074	0.300	0.218	0.026	0.374	0.292	0.100	0.318
	Top side	0.608	0.350	0.513	0.030	0.958	1.121	0.638	1.151
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
CA_4A-7A	Front side	0.526	0.269	0.169	0.017	0.795	0.695	0.543	0.712
	Back side	0.717	0.389	0.555	0.038	1.106	1.272	0.755	1.310
	Left side	0.522	/	/	/	0.522	0.522	0.522	0.522
	Right side	0.074	0.300	0.218	0.026	0.374	0.292	0.100	0.318
	Top side	0.658	0.350	0.513	0.030	1.008	1.171	0.688	1.201
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
CA_5A-7A	Front side	0.516	0.269	0.169	0.017	0.785	0.685	0.533	0.702
	Back side	0.691	0.389	0.555	0.038	1.080	1.246	0.729	1.284



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

Report No.: SZCR250100029101

Page: 197 of 213

	Left side	0.570	/	/	/	0.570	0.570	0.570	0.570
	Right side	0.127	0.300	0.218	0.026	0.427	0.345	0.153	0.371
	Top side	0.457	0.350	0.513	0.030	0.807	0.970	0.487	1.000
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176

Test position		SARmax (W/kg)				Summed SAR			
		EN-DC Max SAR	WiFi 2.4G Ant22	WiFi 5G Ant22	BT				
		1	2	3	4	1+2	1+3	1+4	1+3+4
n2-B4	Front side	0.516	0.269	0.169	0.017	0.785	0.685	0.533	0.702
	Back side	0.759	0.389	0.555	0.038	1.148	1.314	0.797	1.352
	Left side	0.148	/	/	/	0.148	0.148	0.148	0.148
	Right side	0.165	0.300	0.218	0.026	0.465	0.383	0.191	0.409
	Top side	0.011	0.350	0.513	0.030	0.361	0.524	0.041	0.554
	Bottom side	0.797	/	/	/	0.797	0.797	0.797	0.797
n2-B7	Front side	0.334	0.269	0.169	0.017	0.603	0.503	0.351	0.520
	Back side	0.539	0.389	0.555	0.038	0.928	1.094	0.577	1.132
	Left side	0.181	/	/	/	0.181	0.181	0.181	0.181
	Right side	0.176	0.300	0.218	0.026	0.476	0.394	0.202	0.420
	Top side	0.011	0.350	0.513	0.030	0.361	0.524	0.041	0.554
	Bottom side	0.797	/	/	/	0.797	0.797	0.797	0.797
n2-B66	Front side	0.516	0.269	0.169	0.017	0.785	0.685	0.533	0.702
	Back side	0.759	0.389	0.555	0.038	1.148	1.314	0.797	1.352
	Left side	0.148	/	/	/	0.148	0.148	0.148	0.148
	Right side	0.165	0.300	0.218	0.026	0.465	0.383	0.191	0.409
	Top side	0.011	0.350	0.513	0.030	0.361	0.524	0.041	0.554
	Bottom side	0.797	/	/	/	0.797	0.797	0.797	0.797
n5-B7	Front side	0.524	0.269	0.169	0.017	0.793	0.693	0.541	0.710
	Back side	0.689	0.389	0.555	0.038	1.078	1.244	0.727	1.282
	Left side	0.629	/	/	/	0.629	0.629	0.629	0.629
	Right side	0.176	0.300	0.218	0.026	0.476	0.394	0.202	0.420
	Top side	/	0.350	0.513	0.030	0.350	0.513	0.030	0.543
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176
n7-B2	Front side	0.373	0.269	0.169	0.017	0.642	0.542	0.390	0.559
	Back side	0.622	0.389	0.555	0.038	1.011	1.177	0.660	1.215
	Left side	0.522	/	/	/	0.522	0.522	0.522	0.522
	Right side	0.281	0.300	0.218	0.026	0.581	0.499	0.307	0.525
	Top side	0.238	0.350	0.513	0.030	0.588	0.751	0.268	0.781
	Bottom side	0.281	/	/	/	0.281	0.281	0.281	0.281
n7-B4	Front side	0.354	0.269	0.169	0.017	0.623	0.523	0.371	0.540
	Back side	0.605	0.389	0.555	0.038	0.994	1.160	0.643	1.198
	Left side	0.537	/	/	/	0.537	0.537	0.537	0.537
	Right side	0.346	0.300	0.218	0.026	0.646	0.564	0.372	0.590
	Top side	0.056	0.350	0.513	0.030	0.406	0.569	0.086	0.599
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
n7-B5	Front side	0.360	0.269	0.169	0.017	0.629	0.529	0.377	0.546
	Back side	0.559	0.389	0.555	0.038	0.948	1.114	0.597	1.152
	Left side	0.683	/	/	/	0.683	0.683	0.683	0.683
	Right side	0.252	0.300	0.218	0.026	0.552	0.470	0.278	0.496



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

Report No.: SZCR250100029101

Page: 198 of 213

	Top side	0.238	0.350	0.513	0.030	0.588	0.751	0.268	0.781
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
n7-B66	Front side	0.354	0.269	0.169	0.017	0.623	0.523	0.371	0.540
	Back side	0.605	0.389	0.555	0.038	0.994	1.160	0.643	1.198
	Left side	0.537	/	/	/	0.537	0.537	0.537	0.537
	Right side	0.346	0.300	0.218	0.026	0.646	0.564	0.372	0.590
	Top side	0.056	0.350	0.513	0.030	0.406	0.569	0.086	0.599
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
n26-B7	Front side	0.524	0.269	0.169	0.017	0.793	0.693	0.541	0.710
	Back side	0.689	0.389	0.555	0.038	1.078	1.244	0.727	1.282
	Left side	0.629	/	/	/	0.629	0.629	0.629	0.629
	Right side	0.176	0.300	0.218	0.026	0.476	0.394	0.202	0.420
	Top side	0.465	0.350	0.513	0.030	0.815	0.978	0.495	1.008
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176
n38-B2	Front side	0.376	0.269	0.169	0.017	0.645	0.545	0.393	0.562
	Back side	0.642	0.389	0.555	0.038	1.031	1.197	0.680	1.235
	Left side	0.600	/	/	/	0.600	0.600	0.600	0.600
	Right side	0.281	0.300	0.218	0.026	0.581	0.499	0.307	0.525
	Top side	0.231	0.350	0.513	0.030	0.581	0.744	0.261	0.774
	Bottom side	0.281	/	/	/	0.281	0.281	0.281	0.281
n38-B4	Front side	0.357	0.269	0.169	0.017	0.626	0.526	0.374	0.543
	Back side	0.625	0.389	0.555	0.038	1.014	1.180	0.663	1.218
	Left side	0.615	/	/	/	0.615	0.615	0.615	0.615
	Right side	0.346	0.300	0.218	0.026	0.646	0.564	0.372	0.590
	Top side	0.049	0.350	0.513	0.030	0.399	0.562	0.079	0.592
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
n38-B5	Front side	0.363	0.269	0.169	0.017	0.632	0.532	0.380	0.549
	Back side	0.579	0.389	0.555	0.038	0.968	1.134	0.617	1.172
	Left side	0.761	/	/	/	0.761	0.761	0.761	0.761
	Right side	0.252	0.300	0.218	0.026	0.552	0.470	0.278	0.496
	Top side	0.231	0.350	0.513	0.030	0.581	0.744	0.261	0.774
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
n38-B66	Front side	0.357	0.269	0.169	0.017	0.626	0.526	0.374	0.543
	Back side	0.625	0.389	0.555	0.038	1.014	1.180	0.663	1.218
	Left side	0.615	/	/	/	0.615	0.615	0.615	0.615
	Right side	0.346	0.300	0.218	0.026	0.646	0.564	0.372	0.590
	Top side	0.049	0.350	0.513	0.030	0.399	0.562	0.079	0.592
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
n41-B2	Front side	0.376	0.269	0.169	0.017	0.645	0.545	0.393	0.562
	Back side	0.642	0.389	0.555	0.038	1.031	1.197	0.680	1.235
	Left side	0.600	/	/	/	0.600	0.600	0.600	0.600
	Right side	0.281	0.300	0.218	0.026	0.581	0.499	0.307	0.525
	Top side	0.231	0.350	0.513	0.030	0.581	0.744	0.261	0.774
	Bottom side	0.281	/	/	/	0.281	0.281	0.281	0.281
n41-B4	Front side	0.357	0.269	0.169	0.017	0.626	0.526	0.374	0.543
	Back side	0.625	0.389	0.555	0.038	1.014	1.180	0.663	1.218
	Left side	0.615	/	/	/	0.615	0.615	0.615	0.615
	Right side	0.346	0.300	0.218	0.026	0.646	0.564	0.372	0.590
	Top side	0.049	0.350	0.513	0.030	0.399	0.562	0.079	0.592
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346



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

Report No.: SZCR250100029101

Page: 199 of 213

n41-B26	Front side	0.363	0.269	0.169	0.017	0.632	0.532	0.380	0.549
	Back side	0.579	0.389	0.555	0.038	0.968	1.134	0.617	1.172
	Left side	0.761	/	/	/	0.761	0.761	0.761	0.761
	Right side	0.252	0.300	0.218	0.026	0.552	0.470	0.278	0.496
	Top side	0.266	0.350	0.513	0.030	0.616	0.779	0.296	0.809
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
n41-B66	Front side	0.357	0.269	0.169	0.017	0.626	0.526	0.374	0.543
	Back side	0.625	0.389	0.555	0.038	1.014	1.180	0.663	1.218
	Left side	0.615	/	/	/	0.615	0.615	0.615	0.615
	Right side	0.346	0.300	0.218	0.026	0.646	0.564	0.372	0.590
	Top side	0.049	0.350	0.513	0.030	0.399	0.562	0.079	0.592
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
n66-B2	Front side	0.437	0.269	0.169	0.017	0.706	0.606	0.454	0.623
	Back side	0.721	0.389	0.555	0.038	1.110	1.276	0.759	1.314
	Left side	0.650	/	/	/	0.650	0.650	0.650	0.650
	Right side	0.281	0.300	0.218	0.026	0.581	0.499	0.307	0.525
	Top side	0.236	0.350	0.513	0.030	0.586	0.749	0.266	0.779
	Bottom side	0.281	/	/	/	0.281	0.281	0.281	0.281
n66-B5	Front side	0.424	0.269	0.169	0.017	0.693	0.593	0.441	0.610
	Back side	0.658	0.389	0.555	0.038	1.047	1.213	0.696	1.251
	Left side	0.811	/	/	/	0.811	0.811	0.811	0.811
	Right side	0.252	0.300	0.218	0.026	0.552	0.470	0.278	0.496
	Top side	0.241	0.350	0.513	0.030	0.591	0.754	0.271	0.784
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
n66-B7	Front side	0.423	0.269	0.169	0.017	0.692	0.592	0.440	0.609
	Back side	0.598	0.389	0.555	0.038	0.987	1.153	0.636	1.191
	Left side	0.687	/	/	/	0.687	0.687	0.687	0.687
	Right side	0.176	0.300	0.218	0.026	0.476	0.394	0.202	0.420
	Top side	0.242	0.350	0.513	0.030	0.592	0.755	0.272	0.785
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176
n77-B7	Front side	0.461	0.269	0.169	0.017	0.730	0.630	0.478	0.647
	Back side	0.687	0.389	0.555	0.038	1.076	1.242	0.725	1.280
	Left side	0.678	/	/	/	0.678	0.678	0.678	0.678
	Right side	0.684	0.300	0.218	0.026	0.984	0.902	0.710	0.928
	Top side	0.445	0.350	0.513	0.030	0.795	0.958	0.475	0.988
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176
n78-B2	Front side	0.492	0.269	0.169	0.017	0.761	0.661	0.509	0.678
	Back side	0.707	0.389	0.555	0.038	1.096	1.262	0.745	1.300
	Left side	0.625	/	/	/	0.625	0.625	0.625	0.625
	Right side	0.576	0.300	0.218	0.026	0.876	0.794	0.602	0.820
	Top side	0.725	0.350	0.513	0.030	1.075	1.238	0.755	1.268
	Bottom side	0.281	/	/	/	0.281	0.281	0.281	0.281
n78-B4	Front side	0.473	0.269	0.169	0.017	0.742	0.642	0.490	0.659
	Back side	0.690	0.389	0.555	0.038	1.079	1.245	0.728	1.283
	Left side	0.640	/	/	/	0.640	0.640	0.640	0.640
	Right side	0.582	0.300	0.218	0.026	0.882	0.800	0.608	0.826
	Top side	0.562	0.350	0.513	0.030	0.912	1.075	0.592	1.105
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346
n78-B5	Front side	0.479	0.269	0.169	0.017	0.748	0.648	0.496	0.665
	Back side	0.644	0.389	0.555	0.038	1.033	1.199	0.682	1.237



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

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

Report No.: SZCR250100029101

Page: 200 of 213

	Left side	0.786	/	/	/	0.786	0.786	0.786	0.786
	Right side	0.615	0.300	0.218	0.026	0.915	0.833	0.641	0.859
	Top side	0.461	0.350	0.513	0.030	0.811	0.974	0.491	1.004
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
n78-B7	Front side	0.478	0.269	0.169	0.017	0.747	0.647	0.495	0.664
	Back side	0.584	0.389	0.555	0.038	0.973	1.139	0.622	1.177
	Left side	0.662	/	/	/	0.662	0.662	0.662	0.662
	Right side	0.635	0.300	0.218	0.026	0.935	0.853	0.661	0.879
	Top side	0.471	0.350	0.513	0.030	0.821	0.984	0.501	1.014
	Bottom side	0.176	/	/	/	0.176	0.176	0.176	0.176
n78-B26	Front side	0.479	0.269	0.169	0.017	0.748	0.648	0.496	0.665
	Back side	0.644	0.389	0.555	0.038	1.033	1.199	0.682	1.237
	Left side	0.786	/	/	/	0.786	0.786	0.786	0.786
	Right side	0.615	0.300	0.218	0.026	0.915	0.833	0.641	0.859
	Top side	0.461	0.350	0.513	0.030	0.811	0.974	0.491	1.004
	Bottom side	0.252	/	/	/	0.252	0.252	0.252	0.252
n78-B38	Front side	0.508	0.269	0.169	0.017	0.777	0.677	0.525	0.694
	Back side	0.608	0.389	0.555	0.038	0.997	1.163	0.646	1.201
	Left side	0.656	/	/	/	0.656	0.656	0.656	0.656
	Right side	0.644	0.300	0.218	0.026	0.944	0.862	0.670	0.888
	Top side	0.555	0.350	0.513	0.030	0.905	1.068	0.585	1.098
	Bottom side	0.218	/	/	/	0.218	0.218	0.218	0.218
n78-B41	Front side	0.508	0.269	0.169	0.017	0.777	0.677	0.525	0.694
	Back side	0.608	0.389	0.555	0.038	0.997	1.163	0.646	1.201
	Left side	0.656	/	/	/	0.656	0.656	0.656	0.656
	Right side	0.644	0.300	0.218	0.026	0.944	0.862	0.670	0.888
	Top side	0.555	0.350	0.513	0.030	0.905	1.068	0.585	1.098
	Bottom side	0.218	/	/	/	0.218	0.218	0.218	0.218
n78-B66	Front side	0.473	0.269	0.169	0.017	0.742	0.642	0.490	0.659
	Back side	0.690	0.389	0.555	0.038	1.079	1.245	0.728	1.283
	Left side	0.640	/	/	/	0.640	0.640	0.640	0.640
	Right side	0.582	0.300	0.218	0.026	0.882	0.800	0.608	0.826
	Top side	0.562	0.350	0.513	0.030	0.912	1.075	0.592	1.105
	Bottom side	0.346	/	/	/	0.346	0.346	0.346	0.346



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

Report No.: SZCR250100029101

Page: 201 of 213

Product specific 10g SAR:

Inter-band UL CA

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 2	ULCA Summed SAR
			Ant13	
Band 4	Front side	/	/	/
	Back side	/	1.095	1.095
	Left side	2.145	/	2.145
	Right side	/	/	/
	Top side	/	2.307	2.307
	Bottom side	/	/	/
Band 7	Front side	/	/	/
	Back side	/	1.095	1.095
	Left side	1.735	/	1.735
	Right side	/	/	/
	Top side	/	2.307	2.307
	Bottom side	/	/	/

LTE Band (ULCA)	Exposure position	ANT11	LTE Band 4	ULCA Summed SAR
			Ant13	
Band 7	Front side	/	/	/
	Back side	/	0.838	0.838
	Left side	1.735	/	1.735
	Right side	/	/	/
	Top side	/	2.455	2.455
	Bottom side	/	/	/

EN_DC

LTE Band (EN_DC)	Exposure position	ANT13	n7	EN_DC Summed SAR
			ANT11	
Band 2	Front side	/	/	/
	Back side	1.095	1.570	2.665
	Left side	/	1.940	1.940
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/
Band 4	Front side	/	/	/
	Back side	0.838	1.570	2.408
	Left side	/	1.940	1.940
	Right side	/	/	/



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

Report No.: SZCR250100029101

Page: 202 of 213

	Top side	/	/	/
	Bottom side	/	/	/
Band 66	Front side	/	/	/
	Back side	0.838	1.570	2.408
	Left side	/	1.940	1.940
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/

LTE Band (EN_DC)	Exposure position	ANT13	n38	EN_DC Summed SAR
			ANT11	
Band 2	Front side	/	/	/
	Back side	1.095	1.493	2.588
	Left side	/	1.999	1.999
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/
Band 4	Front side	/	/	/
	Back side	0.838	1.493	2.331
	Left side	/	1.999	1.999
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/
Band 66	Front side	/	/	/
	Back side	0.838	1.493	2.331
	Left side	/	1.999	1.999
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/

LTE Band (EN_DC)	Exposure position	ANT13	n41	EN_DC Summed SAR
			ANT11	
Band 2	Front side	/	/	/
	Back side	1.095	1.493	2.588
	Left side	/	1.999	1.999



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

Report No.: SZCR250100029101

Page: 203 of 213

	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/
Band 4	Front side	/	/	/
	Back side	0.838	1.493	2.331
	Left side	/	1.999	1.999
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/
Band 66	Front side	/	/	/
	Back side	0.838	1.493	2.331
	Left side	/	1.999	1.999
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/

LTE Band (EN_DC)	Exposure position	ANT13	n66	EN_DC Summed SAR
			ANT11	
Band 2	Front side	/	/	/
	Back side	1.095	/	1.095
	Left side	/	1.855	1.855
	Right side	/	/	/
	Top side	/	/	/
	Bottom side	/	/	/
Band 7	Front side	/	/	/
	Back side	1.131	/	1.131
	Left side	/	1.855	1.855
	Right side	/	/	/
	Top side	1.965	/	1.965
	Bottom side	/	/	/

LTE Band (EN_DC)	Exposure position	ANT13	n77	EN_DC Summed SAR
			ANT11	
Band 7	Front side	/	/	/
	Back side	1.131	2.228	3.359



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

Report No.: SZCR250100029101

Page: 204 of 213

	Left side	/	1.728	1.728
	Right side	/	/	/
	Top side	1.965	/	1.965
	Bottom side	/	/	/

LTE Band (EN_DC)	Exposure position	ANT13	n78	EN_DC Summed SAR
			ANT11	
Band 2	Front side	/	/	/
	Back side	1.095	1.889	2.984
	Left side	/	1.501	1.501
	Right side	/	/	/
	Top side	2.307	/	2.307
	Bottom side	/	/	/
Band 4	Front side	/	/	/
	Back side	0.838	1.889	2.727
	Left side	/	1.501	1.501
	Right side	/	/	/
	Top side	2.455	/	2.455
	Bottom side	/	/	/
Band 7	Front side	/	/	/
	Back side	1.131	1.889	3.020
	Left side	/	1.501	1.501
	Right side	/	/	/
	Top side	1.965	/	1.965
	Bottom side	/	/	/
Band 38	Front side	/	/	/
	Back side	0.990	1.889	2.879
	Left side	/	1.501	1.501
	Right side	/	/	/
	Top side	2.307	/	2.307
	Bottom side	/	/	/
Band 41	Front side	/	/	/
	Back side	0.990	1.889	2.879
	Left side	/	1.501	1.501
	Right side	/	/	/
	Top side	2.307	/	2.307



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

Report No.: SZCR250100029101

Page: 205 of 213

	Bottom side	/	/	/
Band 66	Front side	/	/	/
	Back side	0.838	1.889	2.727
	Left side	/	1.501	1.501
	Right side	/	/	/
	Top side	2.455	/	2.455
	Bottom side	/	/	/

Test position		SARmax (W/kg)		Summed SAR
		WWAN	WiFi 5G	
		Max SAR	Ant22	
		1	2	
WCDMA B2	Front side	/	0.417	0.417
	Back side	/	0.328	0.328
	Left side	/	/	/
	Right side	/	0.920	0.920
	Top side	2.329	0.709	3.038
	Bottom side	/	/	/
WCDMA B4	Front side	/	0.417	0.417
	Back side	/	0.328	0.328
	Left side	/	/	/
	Right side	/	0.920	0.920
	Top side	1.743	0.709	2.452
	Bottom side	/	/	/
LTE B2	Front side	/	0.417	0.417
	Back side	1.095	0.328	1.423
	Left side	/	/	/
	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
LTE B7	Front side	/	0.417	0.417
	Back side	1.131	0.328	1.459
	Left side	1.735	/	1.735
	Right side	/	0.920	0.920
	Top side	1.965	0.709	2.674
	Bottom side	/	/	/
LTE B41	Front side	/	0.417	0.417
	Back side	0.990	0.328	1.318
	Left side	1.375	/	1.375



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

Report No.: SZCR250100029101

Page: 206 of 213

	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
LTE B66	Front side	/	0.417	0.417
	Back side	0.838	0.328	1.166
	Left side	2.145	/	2.145
	Right side	/	0.920	0.920
	Top side	2.455	0.709	3.164
	Bottom side	/	/	/
N2	Front side	/	0.417	0.417
	Back side	0.909	0.328	1.237
	Left side	/	/	/
	Right side	/	0.920	0.920
	Top side	1.937	0.709	2.646
	Bottom side	/	/	/
N7	Front side	/	0.417	0.417
	Back side	1.570	0.328	1.898
	Left side	1.940	/	1.940
	Right side	/	0.920	0.920
	Top side	2.120	0.709	2.829
	Bottom side	/	/	/
N41	Front side	/	0.417	0.417
	Back side	1.493	0.328	1.821
	Left side	1.999	/	1.999
	Right side	/	0.920	0.920
	Top side	2.689	0.709	3.398
	Bottom side	/	/	/
N66	Front side	/	0.417	0.417
	Back side	1.766	0.328	2.094
	Left side	1.855	/	1.855
	Right side	/	0.920	0.920
	Top side	1.908	0.709	2.617
	Bottom side	/	/	/
N77	Front side	/	0.417	0.417
	Back side	2.228	0.328	2.556
	Left side	1.728	/	1.728
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
N78	Front side	/	0.417	0.417



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

Report No.: SZCR250100029101

Page: 207 of 213

	Back side	1.889	0.328	2.217
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/

Test position		SARmax (W/kg)		Summed SAR
		Inter-band UL CA	WiFi 5G	
			Ant22	
		1	2	
CA_2A-4A	Front side	/	0.417	0.417
	Back side	1.095	0.328	1.423
	Left side	2.145	/	2.145
	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
CA_2A-7A	Front side	/	0.417	0.417
	Back side	1.095	0.328	1.423
	Left side	1.735	/	1.735
	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
CA_4A-7A	Front side	/	0.417	0.417
	Back side	0.838	0.328	1.166
	Left side	1.735	/	1.735
	Right side	/	0.920	0.920
	Top side	2.455	0.709	3.164
	Bottom side	/	/	/

Test position		SARmax (W/kg)		Summed SAR
		EN-DC Max SAR	WiFi 2.4G	
			Ant22	
		1	2	
n7-B2	Front side	/	0.417	0.417
	Back side	2.665	0.328	2.993
	Left side	1.940	/	1.940
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709



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

Report No.: SZCR250100029101

Page: 208 of 213

	Bottom side	/	/	/
n7-B4	Front side	/	0.417	0.417
	Back side	2.408	0.328	2.736
	Left side	1.940	/	1.940
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n7-B66	Front side	/	0.417	0.417
	Back side	2.408	0.328	2.736
	Left side	1.940	/	1.940
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n38-B2	Front side	/	0.417	0.417
	Back side	2.588	0.328	2.916
	Left side	1.999	/	1.999
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n38-B4	Front side	/	0.417	0.417
	Back side	2.331	0.328	2.659
	Left side	1.999	/	1.999
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n38-B66	Front side	/	0.417	0.417
	Back side	2.331	0.328	2.659
	Left side	1.999	/	1.999
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n41-B2	Front side	/	0.417	0.417
	Back side	2.588	0.328	2.916
	Left side	1.999	/	1.999
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n41-B4	Front side	/	0.417	0.417
	Back side	2.331	0.328	2.659
	Left side	1.999	/	1.999



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

Report No.: SZCR250100029101

Page: 209 of 213

	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n41-B66	Front side	/	0.417	0.417
	Back side	2.331	0.328	2.659
	Left side	1.999	/	1.999
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n66-B2	Front side	/	0.417	0.417
	Back side	1.095	0.328	1.423
	Left side	1.855	/	1.855
	Right side	/	0.920	0.920
	Top side	/	0.709	0.709
	Bottom side	/	/	/
n66-B7	Front side	/	0.417	0.417
	Back side	1.131	0.328	1.459
	Left side	1.855	/	1.855
	Right side	/	0.920	0.920
	Top side	1.965	0.709	2.674
	Bottom side	/	/	/
n77-B7	Front side	/	0.417	0.417
	Back side	3.359	0.328	3.687
	Left side	1.728	/	1.728
	Right side	/	0.920	0.920
	Top side	1.965	0.709	2.674
	Bottom side	/	/	/
n78-B2	Front side	/	0.417	0.417
	Back side	2.984	0.328	3.312
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
n78-B4	Front side	/	0.417	0.417
	Back side	2.727	0.328	3.055
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	2.455	0.709	3.164
	Bottom side	/	/	/
n78-B7	Front side	/	0.417	0.417



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

Report No.: SZCR250100029101

Page: 210 of 213

	Back side	3.020	0.328	3.348
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	1.965	0.709	2.674
	Bottom side	/	/	/
n78-B38	Front side	/	0.417	0.417
	Back side	2.879	0.328	3.207
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
n78-B41	Front side	/	0.417	0.417
	Back side	2.879	0.328	3.207
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	2.307	0.709	3.016
	Bottom side	/	/	/
n78-B66	Front side	/	0.417	0.417
	Back side	2.727	0.328	3.055
	Left side	1.501	/	1.501
	Right side	/	0.920	0.920
	Top side	2.455	0.709	3.164
	Bottom side	/	/	/



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9 Equipment list

Test Platform		SPEAG DASY Professional				
Description		SAR Test System				
Software Reference		DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)				
Hardware Reference						
Equipment		Manufacturer	Model	Inventory No.	Calibration Date	Due date of calibration
☒	Test Phantom	SPEAG	SAM Twin	SZ-WSR-A-023	NCR	NCR
☒	Test Phantom	SPEAG	SAM Twin	SZ-WSR-A-025	NCR	NCR
☒	DAE	SPEAG	DAE4	SZ-WSR-M-031	2024/03/18	2025/03/17
☒	DAE	SPEAG	DAE4	SZ-WSR-M-028	2024/04/16	2025/04/15
☒	E-Field Probe	SPEAG	EX3DV4	SZ-WSR-M-068	2025/01/15	2026/01/14
☒	E-Field Probe	SPEAG	EX3DV4	SZ-WSR-M-027	2024/07/17	2025/07/16
☒	Validation Kits	SPEAG	D750V3	SZ-WSR-M-032	2022/06/06	2025/06/05
☒	Validation Kits	SPEAG	D835V2	SZ-WSR-M-033	2022/11/02	2025/11/01
☒	Validation Kits	SPEAG	D1750V2	SZ-WSR-M-035	2022/06/17	2025/06/16
☒	Validation Kits	SPEAG	D1950V3	SZ-WSR-M-037	2022/10/31	2025/10/30
☒	Validation Kits	SPEAG	D2450V2	SZ-WSR-M-039	2022/11/02	2025/11/01
☒	Validation Kits	SPEAG	D2600V2	SZ-WSR-M-040	2022/06/14	2025/06/13
☒	Validation Kits	SPEAG	D3500V2	SZ-WSR-M-041	2022/09/19	2025/09/18
☒	Validation Kits	SPEAG	D3700V2	SZ-WSR-M-042	2022/09/15	2025/09/14
☒	Validation Kits	SPEAG	D3900V2	SZ-WSR-M-043	2022/09/16	2025/09/15
☒	Validation Kits	SPEAG	D5GHzV2	SZ-WSR-M-046	2022/11/01	2025/10/31
☒	Dielectric parameter probes	SPEAG	DAKS-3.5	SZ-WSR-M-053	2024/06/26	2025/06/25
☒	Vector Network Analyzer and Vector Reflectometer	SPEAG	DAKS_VNA R140	SZ-WSR-M-054	2024/06/26	2025/06/25
☒	Radio Communication Analyzer	Anritsu	MT8820C	SZ-WSR-M-005	2025/01/08	2026/01/07
☒	Radio Communication Analyzer	Anritsu	MT8820C	SZ-WSR-M-018	2024/05/24	2025/05/23
☒	Radio Communication Analyzer	Anritsu	MT8820C	SZ-WSR-M-020	2024/08/19	2025/08/18
☒	RF Bi-Directional Coupler	Agilent	86205-60001	SZ-WSR-A-004	NCR	NCR
☒	Signal Generator	Agilent	N5171B	SZ-WSR-M-006	2025/01/07	2026/01/06
☒	Preamplifier	Mini-Circuits	ZHL-42W	SZ-WSR-A-001	NCR	NCR
☒	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	SZ-WSR-A-002	NCR	NCR
☒	Power Meter	Agilent	E4416A	SZ-WSR-M-007	2025/01/07	2026/01/06
☒	Power Sensor	Agilent	8481H	SZ-WSR-M-008	2025/01/07	2026/01/06



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

Report No.: SZCR250100029101

Page: 212 of 213

☒	Power Sensor	R&S	NRP-Z92	SZ-WSR-M-009	2025/01/08	2026/01/07
☒	Attenuator	SHX	TS2-3dB	SZ-WSR-A-012	NCR	NCR
☒	Speed reading thermometer	Zhengzhou Boyang Instrument	TP3001	SZ-WSR-M-014	2024/05/30	2025/05/29
☒	Temperature	MingGao	T809	SZ-WSR-M-015	2024/05/30	2025/05/29
☒	Temperature	MingGao	T809	SZ-WSR-M-016	2024/05/30	2025/05/29
☒	Humidity and Temperature Indicator	CHIGAO	HTC-1	SZ-WSR-M-013	2024/05/28	2025/05/27
☒	Humidity and Temperature Indicator	CHIGAO	HTC-1	SZ-WSR-M-012	2024/05/28	2025/05/27
☒	Humidity and Temperature Indicator	CHIGAO	HTC-1	SZ-WSR-M-011	2024/05/28	2025/05/27

Note: All the equipment are within the valid period when the tests are performed.



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10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

Appendix E: Conducted RF Output Power

--- End of report ---