

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

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

Report No.: SZCR231200401913

Page: 84 of 139

Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.236	-0.14	16.11	17.50	1.377	0.325	22.2
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.212	0.02	16.11	17.50	1.377	0.292	22.2
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.410	0.09	16.11	17.50	1.377	0.565	22.2
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.363	0.07	16.11	17.50	1.377	0.500	22.2
Body worn Test data(Separate 10mm 1RB) Sensor on											
Front side	20	QPSK 1_0	132322/1745	1:1	0.317	-0.07	18.09	19.00	1.233	0.391	22.2
Back side	20	QPSK 1_0	132322/1745	1:1	0.086	-0.15	18.09	19.00	1.233	0.106	22.2
Body worn Test data(Separate 10mm 50%RB) Sensor on											
Front side	20	QPSK 50_0	132322/1745	1:1	0.305	0.05	17.98	19.00	1.265	0.386	22.2
Back side	20	QPSK 50_0	132322/1745	1:1	0.076	-0.03	17.98	19.00	1.265	0.096	22.2
Body worn Test data(1RB) Sensor off											
Front side-14mm	20	QPSK 1_0	132322/1745	1:1	0.295	-0.01	23.37	24.00	1.156	0.341	22.2
Back side-19mm	20	QPSK 1_0	132322/1745	1:1	0.082	0.09	23.37	24.00	1.156	0.095	22.2
Body worn Test data(50%RB) Sensor off											
Front side-14mm	20	QPSK 50_0	132322/1745	1:1	0.288	0.07	22.27	23.00	1.183	0.341	22.2
Back side-19mm	20	QPSK 50_0	132322/1745	1:1	0.073	0.15	22.27	23.00	1.183	0.086	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.187	0.16	17.41	18.50	1.285	0.240	22.2
Back side	20	QPSK 1_0	132322/1745	1:1	0.040	-0.13	17.41	18.50	1.285	0.051	22.2
Left side	20	QPSK 1_0	132322/1745	1:1	0.082	0.19	17.41	18.50	1.285	0.105	22.2
Top side	20	QPSK 1_0	132322/1745	1:1	0.468	0.07	17.41	18.50	1.285	0.602	22.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.181	-0.14	17.37	18.50	1.297	0.235	22.2
Back side	20	QPSK 50_0	132322/1745	1:1	0.036	-0.17	17.37	18.50	1.297	0.047	22.2
Left side	20	QPSK 50_0	132322/1745	1:1	0.079	0.09	17.37	18.50	1.297	0.102	22.2
Top side	20	QPSK 50_0	132322/1745	1:1	0.445	0.14	17.37	18.50	1.297	0.577	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB) Sensor on											
Front side	20	QPSK 1_0	132322/1745	1:1	0.479	-0.19	18.09	19.00	1.233	0.591	22.2
Back side	20	QPSK 1_0	132322/1745	1:1	0.065	0.16	18.09	19.00	1.233	0.080	22.2
Left side	20	QPSK 1_0	132322/1745	1:1	0.228	0.14	18.09	19.00	1.233	0.281	22.2
Top side	20	QPSK 1_0	132322/1745	1:1	1.160	0.09	18.09	19.00	1.233	1.430	22.2
Product specific 10g SAR Test data(Separate 0mm 50%RB) Sensor on											
Front side	20	QPSK 50_0	132322/1745	1:1	0.449	0.08	17.98	19.00	1.265	0.568	22.2
Back side	20	QPSK 50_0	132322/1745	1:1	0.058	-0.12	17.98	19.00	1.265	0.073	22.2
Left side	20	QPSK 50_0	132322/1745	1:1	0.216	0.00	17.98	19.00	1.265	0.273	22.2
Top side	20	QPSK 50_0	132322/1745	1:1	1.100	0.09	17.98	19.00	1.265	1.391	22.2
Product specific 10g SAR Test data(1RB) Sensor off											
Front side-14mm	20	QPSK 1_0	132322/1745	1:1	0.143	-0.01	23.37	24.00	1.156	0.165	22.2
Back side-19mm	20	QPSK 1_0	132322/1745	1:1	0.045	0.09	23.37	24.00	1.156	0.052	22.2
Top side-14mm	20	QPSK 1_0	132322/1745	1:1	0.595	-0.02	23.37	24.00	1.156	0.688	22.2
Product specific 10g SAR Test data(50%RB) Sensor off											
Front side-14mm	20	QPSK 50_0	132322/1745	1:1	0.132	0.07	22.27	23.00	1.183	0.156	22.2
Back side-19mm	20	QPSK 50_0	132322/1745	1:1	0.041	0.15	22.27	23.00	1.183	0.049	22.2
Top side-14mm	20	QPSK 50_0	132322/1745	1:1	0.531	-0.08	22.27	23.00	1.183	0.628	22.2
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data(1RB)											



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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Left cheek	20	QPSK 1_0	132322/1745	1:1	0.202	0.03	23.10	24.00	1.230	0.249	22.3
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.058	-0.06	23.10	24.00	1.230	0.071	22.3
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.098	0.02	23.10	24.00	1.230	0.121	22.3
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.045	0.13	23.10	24.00	1.230	0.055	22.3
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.180	-0.03	22.07	23.00	1.239	0.223	22.3
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.050	-0.10	22.07	23.00	1.239	0.062	22.3
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.074	0.01	22.07	23.00	1.239	0.092	22.3
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.023	0.07	22.07	23.00	1.239	0.028	22.3
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.156	0.01	23.10	24.00	1.230	0.192	22.3
Back side	20	QPSK 1_0	132322/1745	1:1	0.170	0.03	23.10	24.00	1.230	0.209	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.131	-0.15	22.07	23.00	1.239	0.162	22.3
Back side	20	QPSK 50_0	132322/1745	1:1	0.151	0.17	22.07	23.00	1.239	0.187	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.156	0.01	23.10	24.00	1.230	0.192	22.3
Back side	20	QPSK 1_0	132322/1745	1:1	0.170	0.03	23.10	24.00	1.230	0.209	22.3
Left side	20	QPSK 1_0	132322/1745	1:1	0.430	-0.18	23.10	24.00	1.230	0.529	22.3
Right side	20	QPSK 1_0	132322/1745	1:1	0.050	0.06	23.10	24.00	1.230	0.062	22.3
Top side	20	QPSK 1_0	132322/1745	1:1	0.064	-0.07	23.10	24.00	1.230	0.079	22.3
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.131	-0.15	22.07	23.00	1.239	0.162	22.3
Back side	20	QPSK 50_0	132322/1745	1:1	0.151	0.17	22.07	23.00	1.239	0.187	22.3
Left side	20	QPSK 50_0	132322/1745	1:1	0.405	-0.02	22.07	23.00	1.239	0.502	22.3
Right side	20	QPSK 50_0	132322/1745	1:1	0.025	-0.09	22.07	23.00	1.239	0.031	22.3
Top side	20	QPSK 50_0	132322/1745	1:1	0.035	0.13	22.07	23.00	1.239	0.043	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.153	0.17	23.10	24.00	1.230	0.188	22.3
Back side	20	QPSK 1_0	132322/1745	1:1	0.188	0.00	23.10	24.00	1.230	0.231	22.3
Left side	20	QPSK 1_0	132322/1745	1:1	0.710	-0.15	23.10	24.00	1.230	0.873	22.3
Right side	20	QPSK 1_0	132322/1745	1:1	0.100	-0.18	23.10	24.00	1.230	0.123	22.3
Top side	20	QPSK 1_0	132322/1745	1:1	0.067	0.19	23.10	24.00	1.230	0.082	22.3
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.149	0.02	22.07	23.00	1.239	0.185	22.3
Back side	20	QPSK 50_0	132322/1745	1:1	0.163	0.03	22.07	23.00	1.239	0.202	22.3
Left side	20	QPSK 50_0	132322/1745	1:1	0.688	-0.13	22.07	23.00	1.239	0.852	22.3
Right side	20	QPSK 50_0	132322/1745	1:1	0.092	-0.10	22.07	23.00	1.239	0.114	22.3
Top side	20	QPSK 50_0	132322/1745	1:1	0.050	-0.07	22.07	23.00	1.239	0.062	22.3

Table 22 : SAR of LTE Band 66 for Head, Body.

8.2.18.SAR Result of LTE Band 71

LTE Band 71 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	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)											



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

Report No.: SZCR231200401913

Page: 86 of 139

Left cheek	20	QPSK 1_0	133322/683	1:1	0.079	-0.18	22.67	23.50	1.211	0.096	22.2
Left tilted	20	QPSK 1_0	133322/683	1:1	0.086	-0.18	22.67	23.50	1.211	0.104	22.2
Right cheek	20	QPSK 1_0	133322/683	1:1	0.107	0.01	22.67	23.50	1.211	0.130	22.2
Right tilted	20	QPSK 1_0	133322/683	1:1	0.070	0.08	22.67	23.50	1.211	0.085	22.2
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	133322/683	1:1	0.073	0.11	21.61	22.50	1.227	0.090	22.2
Left tilted	20	QPSK 50_0	133322/683	1:1	0.079	0.19	21.61	22.50	1.227	0.097	22.2
Right cheek	20	QPSK 50_0	133322/683	1:1	0.098	0.07	21.61	22.50	1.227	0.120	22.2
Right tilted	20	QPSK 50_0	133322/683	1:1	0.064	-0.07	21.61	22.50	1.227	0.079	22.2
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.023	0.07	22.67	23.50	1.211	0.028	22.2
Back side	20	QPSK 1_0	133322/683	1:1	0.020	0.18	22.67	23.50	1.211	0.024	22.2
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.021	0.18	21.61	22.50	1.227	0.026	22.2
Back side	20	QPSK 50_0	133322/683	1:1	0.019	-0.19	21.61	22.50	1.227	0.023	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.023	0.07	22.67	23.50	1.211	0.028	22.2
Back side	20	QPSK 1_0	133322/683	1:1	0.020	0.18	22.67	23.50	1.211	0.024	22.2
Left side	20	QPSK 1_0	133322/683	1:1	0.017	0.12	22.67	23.50	1.211	0.021	22.2
Top side	20	QPSK 1_0	133322/683	1:1	0.037	-0.01	22.67	23.50	1.211	0.045	22.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.021	0.18	21.61	22.50	1.227	0.026	22.2
Back side	20	QPSK 50_0	133322/683	1:1	0.019	-0.19	21.61	22.50	1.227	0.023	22.2
Left side	20	QPSK 50_0	133322/683	1:1	0.013	0.18	21.61	22.50	1.227	0.016	22.2
Top side	20	QPSK 50_0	133322/683	1:1	0.035	0.00	21.61	22.50	1.227	0.043	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.060	0.08	22.67	23.50	1.211	0.073	22.2
Back side	20	QPSK 1_0	133322/683	1:1	0.008	0.14	22.67	23.50	1.211	0.010	22.2
Left side	20	QPSK 1_0	133322/683	1:1	0.052	-0.05	22.67	23.50	1.211	0.063	22.2
Top side	20	QPSK 1_0	133322/683	1:1	0.130	0.03	22.67	23.50	1.211	0.157	22.2
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.056	0.18	21.61	22.50	1.227	0.069	22.2
Back side	20	QPSK 50_0	133322/683	1:1	0.005	-0.15	21.61	22.50	1.227	0.006	22.2
Left side	20	QPSK 50_0	133322/683	1:1	0.049	0.09	21.61	22.50	1.227	0.060	22.2
Top side	20	QPSK 50_0	133322/683	1:1	0.126	0.16	21.61	22.50	1.227	0.155	22.2

Table 23 : SAR of LTE Band 71 for Head, Body.

8.2.19.SAR Result of 5G NR n5

SA N5 SAR Test Record											
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	20	QPSK 1_1	167300/836.5	1:1	0.293	0.16	21.39	22.50	1.291	0.378	22.4
Left tilted	20	QPSK 1_1	167300/836.5	1:1	0.230	0.08	21.39	22.50	1.291	0.297	22.4
Right cheek	20	QPSK 1_1	167300/836.5	1:1	0.417	0.07	21.39	22.50	1.291	0.538	22.4
Right tilted	20	QPSK 1_1	167300/836.5	1:1	0.292	-0.01	21.39	22.50	1.291	0.377	22.4



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Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	167300/836.5	1:1	0.274	0.12	21.25	22.50	1.334	0.365	22.4
Left tilted	20	QPSK 50_28	167300/836.5	1:1	0.213	-0.15	21.25	22.50	1.334	0.284	22.4
Right cheek	20	QPSK 50_28	167300/836.5	1:1	0.386	0.01	21.25	22.50	1.334	0.515	22.4
Right tilted	20	QPSK 50_28	167300/836.5	1:1	0.268	0.02	21.25	22.50	1.334	0.357	22.4
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	1:1	0.227	-0.07	23.46	24.50	1.271	0.288	22.4
Back side	20	QPSK 1_1	167300/836.5	1:1	0.000	0.10	23.46	24.50	1.271	0.000	22.4
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	1:1	0.212	0.13	23.41	24.50	1.285	0.272	22.4
Back side	20	QPSK 50_28	167300/836.5	1:1	0.000	0.14	23.41	24.50	1.285	0.000	22.4
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	1:1	0.227	-0.07	23.46	24.50	1.271	0.288	22.4
Back side	20	QPSK 1_1	167300/836.5	1:1	0.000	0.10	23.46	24.50	1.271	0.000	22.4
Left side	20	QPSK 1_1	167300/836.5	1:1	0.289	-0.01	23.46	24.50	1.271	0.367	22.4
Top side	20	QPSK 1_1	167300/836.5	1:1	0.193	0.16	23.46	24.50	1.271	0.245	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	1:1	0.212	0.13	23.41	24.50	1.285	0.272	22.4
Back side	20	QPSK 50_28	167300/836.5	1:1	0.000	0.14	23.41	24.50	1.285	0.000	22.4
Left side	20	QPSK 50_28	167300/836.5	1:1	0.274	0.02	23.41	24.50	1.285	0.352	22.4
Top side	20	QPSK 50_28	167300/836.5	1:1	0.188	-0.18	23.41	24.50	1.285	0.242	22.4
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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.(℃)
Product specific 10g SAR Test data(Separate 0mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	1:1	0.373	-0.07	23.46	24.50	1.271	0.474	22.4
Back side	20	QPSK 1_1	167300/836.5	1:1	0.000	-0.06	23.46	24.50	1.271	0.000	22.4
Left side	20	QPSK 1_1	167300/836.5	1:1	0.610	0.09	23.46	24.50	1.271	0.775	22.4
Top side	20	QPSK 1_1	167300/836.5	1:1	0.498	0.07	23.46	24.50	1.271	0.633	22.4
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	1:1	0.345	0.15	23.41	24.50	1.285	0.443	22.4
Back side	20	QPSK 50_28	167300/836.5	1:1	0.000	-0.11	23.41	24.50	1.285	0.000	22.4
Left side	20	QPSK 50_28	167300/836.5	1:1	0.564	0.11	23.41	24.50	1.285	0.725	22.4
Top side	20	QPSK 50_28	167300/836.5	1:1	0.461	0.12	23.41	24.50	1.285	0.593	22.4

Table 24 : SAR of 5G NR n5 for Head, Body.

8.2.20.SAR Result of 5G NR n12

SA N12 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(℃)
Head Test data(1RB)											
Left cheek	15	QPSK 1_1	141500/707.5	1:1	0.367	-0.09	23.65	24.50	1.216	0.446	22.4
Left tilted	15	QPSK 1_1	141500/707.5	1:1	0.182	-0.19	23.65	24.50	1.216	0.221	22.4
Right cheek	15	QPSK 1_1	141500/707.5	1:1	0.392	0.07	23.65	24.50	1.216	0.477	22.4
Right tilted	15	QPSK 1_1	141500/707.5	1:1	0.295	0.08	23.65	24.50	1.216	0.359	22.4
Head Test data(50%RB)											
Left cheek	15	QPSK 36_22	141500/707.5	1:1	0.373	-0.14	23.51	24.50	1.256	0.468	22.4
Left tilted	15	QPSK 36_22	141500/707.5	1:1	0.266	-0.07	23.51	24.50	1.256	0.334	22.4
Right cheek	15	QPSK 36_22	141500/707.5	1:1	0.445	0.11	23.51	24.50	1.256	0.559	22.4



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

Report No.: SZCR231200401913

Page: 88 of 139

Right tilted	15	QPSK 36_22	141500/707.5	1:1	0.300	-0.05	23.51	24.50	1.256	0.377	22.4
Body worn Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1_1	141500/707.5	1:1	0.219	0.10	23.65	24.50	1.216	0.266	22.4
Back side	15	QPSK 1_1	141500/707.5	1:1	0.000	-0.18	23.65	24.50	1.216	0.000	22.4
Body worn Test data(Separate 10mm 50%RB)											
Front side	15	QPSK 36_22	141500/707.5	1:1	0.256	-0.04	23.51	24.50	1.256	0.322	22.4
Back side	15	QPSK 36_22	141500/707.5	1:1	0.000	0.02	23.51	24.50	1.256	0.000	22.4
Hotspot Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1_1	141500/707.5	1:1	0.219	0.10	23.65	24.50	1.216	0.266	22.4
Back side	15	QPSK 1_1	141500/707.5	1:1	0.000	-0.18	23.65	24.50	1.216	0.000	22.4
Left side	15	QPSK 1_1	141500/707.5	1:1	0.100	-0.07	23.65	24.50	1.216	0.122	22.4
Top side	15	QPSK 1_1	141500/707.5	1:1	0.171	-0.18	23.65	24.50	1.216	0.208	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36_22	141500/707.5	1:1	0.256	-0.04	23.51	24.50	1.256	0.322	22.4
Back side	15	QPSK 36_22	141500/707.5	1:1	0.000	0.02	23.51	24.50	1.256	0.000	22.4
Left side	15	QPSK 36_22	141500/707.5	1:1	0.118	0.14	23.51	24.50	1.256	0.148	22.4
Top side	15	QPSK 36_22	141500/707.5	1:1	0.121	-0.01	23.51	24.50	1.256	0.152	22.4
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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.(℃)
Product specific 10g SAR Test data(Separate 0mm 1RB)											
Front side	15	QPSK 1_1	141500/707.5	1:1	0.309	0.06	23.65	24.50	1.216	0.376	22.4
Back side	15	QPSK 1_1	141500/707.5	1:1	0.069	0.09	23.65	24.50	1.216	0.084	22.4
Left side	15	QPSK 1_1	141500/707.5	1:1	0.306	0.18	23.65	24.50	1.216	0.372	22.4
Top side	15	QPSK 1_1	141500/707.5	1:1	0.349	0.03	23.65	24.50	1.216	0.424	22.4
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	15	QPSK 36_22	141500/707.5	1:1	0.315	0.09	23.51	24.50	1.256	0.396	22.4
Back side	15	QPSK 36_22	141500/707.5	1:1	0.081	0.15	23.51	24.50	1.256	0.102	22.4
Left side	15	QPSK 36_22	141500/707.5	1:1	0.360	-0.12	23.51	24.50	1.256	0.452	22.4
Top side	15	QPSK 36_22	141500/707.5	1:1	0.387	0.03	23.51	24.50	1.256	0.486	22.4

Table 25 : SAR of 5G NR n12 for Head, Body.

8.2.21.SAR Result of 5G NR n25

SA N25 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(℃)
Head Test data(1RB)											
Left cheek	20	QPSK 1_1	376500/1882.5	1:1	0.340	-0.09	16.67	18.00	1.358	0.462	22.3
Left tilted	20	QPSK 1_1	376500/1882.5	1:1	0.263	-0.09	16.67	18.00	1.358	0.357	22.3
Right cheek	20	QPSK 1_1	376500/1882.5	1:1	0.608	0.01	16.67	18.00	1.358	0.826	22.3
Right cheek	20	QPSK 1_1	372000/1860	1:1	0.574	0.07	16.42	18.00	1.439	0.826	22.3
Right cheek	20	QPSK 1_1	381000/1905	1:1	0.582	0.02	16.59	18.00	1.384	0.805	22.3
Right tilted	20	QPSK 1_1	376500/1882.5	1:1	0.479	0.14	16.67	18.00	1.358	0.651	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	376500/1882.5	1:1	0.447	0.19	16.55	18.00	1.396	0.624	22.3
Left tilted	20	QPSK 50_28	376500/1882.5	1:1	0.438	-0.04	16.55	18.00	1.396	0.612	22.3
Right cheek	20	QPSK 50_28	376500/1882.5	1:1	0.652	-0.04	16.55	18.00	1.396	0.910	22.3
Right cheek	20	QPSK 50_28	372000/1860	1:1	0.574	0.01	16.36	18.00	1.459	0.837	22.3
Right cheek	20	QPSK 50_28	381000/1905	1:1	0.612	0.04	16.49	18.00	1.416	0.866	22.3



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

Report No.: SZCR231200401913

Page: 89 of 139

Right tilted	20	QPSK 50_28	376500/1882.5	1:1	0.554	-0.12	16.55	18.00	1.396	0.774	22.3
Head Test data(100%RB)											
Left cheek	20	QPSK 100_0	376500/1882.5	1:1	0.598	0.03	16.41	18.00	1.442	0.862	22.3
Body worn Test data(Separate 10mm 1RB) Sensor on											
Front side	20	QPSK 1_1	376500/1882.5	1:1	0.324	-0.13	19.29	20.50	1.321	0.428	22.3
Back side	20	QPSK 1_1	376500/1882.5	1:1	0.084	-0.15	19.29	20.50	1.321	0.111	22.3
Body worn Test data(Separate 10mm 50%RB) Sensor on											
Front side	20	QPSK 50_28	376500/1882.5	1:1	0.339	-0.09	19.12	20.50	1.374	0.466	22.3
Back side	20	QPSK 50_28	376500/1882.5	1:1	0.087	-0.12	19.12	20.50	1.374	0.120	22.3
Body worn Test data(1RB) Snsor off											
Front side-14mm	20	QPSK 1_1	376500/1882.5	1:1	0.317	0.05	23.29	24.50	1.321	0.419	22.3
Back side-19mm	20	QPSK 1_1	376500/1882.5	1:1	0.079	0.02	23.29	24.50	1.321	0.104	22.3
Body worn Test data(50%RB) Sensor off											
Front side-14mm	20	QPSK 50_28	376500/1882.5	1:1	0.325	-0.12	23.21	24.50	1.346	0.437	22.3
Back side-19mm	20	QPSK 50_28	376500/1882.5	1:1	0.088	0.04	23.21	24.50	1.346	0.118	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	376500/1882.5	1:1	0.324	-0.13	19.29	20.50	1.321	0.428	22.3
Back side	20	QPSK 1_1	376500/1882.5	1:1	0.084	-0.15	19.29	20.50	1.321	0.111	22.3
Left side	20	QPSK 1_1	376500/1882.5	1:1	0.074	-0.13	19.29	20.50	1.321	0.098	22.3
Top side	20	QPSK 1_1	376500/1882.5	1:1	0.526	0.13	19.29	20.50	1.321	0.695	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	376500/1882.5	1:1	0.339	-0.09	19.12	20.50	1.374	0.466	22.3
Back side	20	QPSK 50_28	376500/1882.5	1:1	0.087	-0.12	19.12	20.50	1.374	0.120	22.3
Left side	20	QPSK 50_28	376500/1882.5	1:1	0.083	0.04	19.12	20.50	1.374	0.114	22.3
Top side	20	QPSK 50_28	376500/1882.5	1:1	0.545	-0.03	19.12	20.50	1.374	0.749	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB) Sensor on											
Front side	20	QPSK 1_1	376500/1882.5	1:1	0.346	0.01	19.29	20.50	1.321	0.457	22.3
Back side	20	QPSK 1_1	376500/1882.5	1:1	0.049	0.12	19.29	20.50	1.321	0.065	22.3
Left side	20	QPSK 1_1	376500/1882.5	1:1	0.136	-0.09	19.29	20.50	1.321	0.180	22.3
Top side	20	QPSK 1_1	376500/1882.5	1:1	0.910	0.02	19.29	20.50	1.321	1.202	22.3
Product specific 10g SAR Test data(Separate 0mm 50%RB) Sensor on											
Front side	20	QPSK 50_28	376500/1882.5	1:1	0.417	0.06	19.12	20.50	1.374	0.573	22.3
Back side	20	QPSK 50_28	376500/1882.5	1:1	0.061	-0.03	19.12	20.50	1.374	0.084	22.3
Left side	20	QPSK 50_28	376500/1882.5	1:1	0.182	0.16	19.12	20.50	1.374	0.250	22.3
Top side	20	QPSK 50_28	376500/1882.5	1:1	1.070	0.04	19.12	20.50	1.374	1.470	22.3
Product specific 10g SAR Test data(1RB) Sensor off											
Front side-14mm	20	QPSK 1_1	376500/1882.5	1:1	0.153	0.05	23.29	24.50	1.321	0.202	22.3
Back side-19mm	20	QPSK 1_1	376500/1882.5	1:1	0.041	0.02	23.29	24.50	1.321	0.054	22.3
Top side-14mm	20	QPSK 1_1	376500/1882.5	1:1	0.744	0.07	23.29	24.50	1.321	0.983	22.3
Product specific 10g SAR Test data(50%RB) Sensor off											
Front side-14mm	20	QPSK 50_28	376500/1882.5	1:1	0.147	-0.12	23.21	24.50	1.346	0.198	22.3
Back side-19mm	20	QPSK 50_28	376500/1882.5	1:1	0.036	0.04	23.21	24.50	1.346	0.048	22.3
Top side-14mm	20	QPSK 50_28	376500/1882.5	1:1	0.851	-0.09	23.21	24.50	1.346	1.145	22.3
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	20	QPSK 1_1	376500/1882.5	1:1	0.012	0.15	23.29	24.50	1.321	0.016	22.2



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Left tilted	20	QPSK 1_1	376500/1882.5	1:1	0.001	0.03	23.29	24.50	1.321	0.001	22.2
Right cheek	20	QPSK 1_1	376500/1882.5	1:1	0.019	0.13	23.29	24.50	1.321	0.025	22.2
Right tilted	20	QPSK 1_1	376500/1882.5	1:1	0.006	0.06	23.29	24.50	1.321	0.008	22.2
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	376500/1882.5	1:1	0.016	-0.05	23.21	24.50	1.346	0.022	22.2
Left tilted	20	QPSK 50_28	376500/1882.5	1:1	0.003	-0.07	23.21	24.50	1.346	0.004	22.2
Right cheek	20	QPSK 50_28	376500/1882.5	1:1	0.023	0.08	23.21	24.50	1.346	0.031	22.2
Right tilted	20	QPSK 50_28	376500/1882.5	1:1	0.008	0.09	23.21	24.50	1.346	0.011	22.2
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	376500/1882.5	1:1	0.150	-0.14	23.29	24.50	1.321	0.198	22.2
Back side	20	QPSK 1_1	376500/1882.5	1:1	0.190	0.10	23.29	24.50	1.321	0.251	22.2
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	376500/1882.5	1:1	0.120	0.07	23.21	24.50	1.346	0.162	22.2
Back side	20	QPSK 50_28	376500/1882.5	1:1	0.180	0.13	23.21	24.50	1.346	0.242	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	376500/1882.5	1:1	0.150	-0.14	23.29	24.50	1.321	0.198	22.2
Back side	20	QPSK 1_1	376500/1882.5	1:1	0.190	0.10	23.29	24.50	1.321	0.251	22.2
Left side	20	QPSK 1_1	376500/1882.5	1:1	0.390	-0.09	23.29	24.50	1.321	0.515	22.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	376500/1882.5	1:1	0.120	0.07	23.21	24.50	1.346	0.162	22.2
Back side	20	QPSK 50_28	376500/1882.5	1:1	0.180	0.13	23.21	24.50	1.346	0.242	22.2
Left side	20	QPSK 50_28	376500/1882.5	1:1	0.360	-0.06	23.21	24.50	1.346	0.485	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	20	QPSK 1_1	376500/1882.5	1:1	0.264	0.16	23.29	24.50	1.321	0.349	22.2
Back side	20	QPSK 1_1	376500/1882.5	1:1	0.255	0.04	23.29	24.50	1.321	0.337	22.2
Left side	20	QPSK 1_1	376500/1882.5	1:1	0.966	0.03	23.29	24.50	1.321	1.276	22.2
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	376500/1882.5	1:1	0.281	-0.05	23.21	24.50	1.346	0.378	22.2
Back side	20	QPSK 50_28	376500/1882.5	1:1	0.263	-0.12	23.21	24.50	1.346	0.354	22.2
Left side	20	QPSK 50_28	376500/1882.5	1:1	0.981	-0.16	23.21	24.50	1.346	1.320	22.2

Table 26 : SAR of 5G NR n25 for Head, Body.

8.2.22.SAR Result of 5G NR n41

SA N41 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	100	QPSK 1_1	518598/2592.99	1:1	0.322	0.07	17.99	19.00	1.262	0.406	22.3
Left tilted	100	QPSK 1_1	518598/2592.99	1:1	0.257	0.07	17.99	19.00	1.262	0.324	22.3
Right cheek	100	QPSK 1_1	518598/2592.99	1:1	0.442	0.12	17.99	19.00	1.262	0.558	22.3
Right tilted	100	QPSK 1_1	518598/2592.99	1:1	0.338	0.17	17.99	19.00	1.262	0.426	22.3
Head Test data(50%RB)											
Left cheek	100	QPSK 135_69	518598/2592.99	1:1	0.296	0.14	17.62	19.00	1.374	0.407	22.3
Left tilted	100	QPSK 135_69	518598/2592.99	1:1	0.254	0.08	17.62	19.00	1.374	0.349	22.3
Right cheek	100	QPSK 135_69	518598/2592.99	1:1	0.413	0.10	17.62	19.00	1.374	0.567	22.3
Right tilted	100	QPSK 135_69	518598/2592.99	1:1	0.319	-0.14	17.62	19.00	1.374	0.438	22.3



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

Report No.: SZCR231200401913

Page: 91 of 139

Body worn Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.308	-0.03	22.49	23.50	1.262	0.389	22.3
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.262	-0.17	22.49	23.50	1.262	0.331	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.229	0.18	22.32	23.50	1.312	0.300	22.3
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.144	-0.13	22.32	23.50	1.312	0.189	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.143	0.05	19.42	20.50	1.282	0.183	22.3
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.071	-0.10	19.42	20.50	1.282	0.091	22.3
Left side	100	QPSK 1_1	518598/2592.99	1:1	0.128	-0.03	19.42	20.50	1.282	0.164	22.3
Top side	100	QPSK 1_1	518598/2592.99	1:1	0.446	-0.08	19.42	20.50	1.282	0.572	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.119	0.13	19.35	20.50	1.303	0.155	22.3
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.056	0.05	19.35	20.50	1.303	0.073	22.3
Left side	100	QPSK 135_69	518598/2592.99	1:1	0.108	0.01	19.35	20.50	1.303	0.141	22.3
Top side	100	QPSK 135_69	518598/2592.99	1:1	0.427	-0.06	19.35	20.50	1.303	0.556	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB) Sensor on											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.292	0.15	19.42	20.50	1.282	0.374	22.3
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.049	0.03	19.42	20.50	1.282	0.063	22.3
Left side	100	QPSK 1_1	518598/2592.99	1:1	0.394	0.05	19.42	20.50	1.282	0.505	22.3
Top side	100	QPSK 1_1	518598/2592.99	1:1	1.230	0.01	19.42	20.50	1.282	1.577	22.3
Product specific 10g SAR Test data(Separate 0mm 50%RB) Sensor on											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.264	0.11	19.35	20.50	1.303	0.344	22.3
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.000	-0.18	19.35	20.50	1.303	0.000	22.3
Left side	100	QPSK 135_69	518598/2592.99	1:1	0.347	0.16	19.35	20.50	1.303	0.452	22.3
Top side	100	QPSK 135_69	518598/2592.99	1:1	1.140	-0.04	19.35	20.50	1.303	1.486	22.3
Product specific 10g SAR Test data(1RB) Sensor off											
Front side-14mm	100	QPSK 1_1	518598/2592.99	1:1	0.257	-0.09	22.49	23.50	1.262	0.324	22.3
Back side-19mm	100	QPSK 1_1	518598/2592.99	1:1	0.043	0.03	22.49	23.50	1.262	0.054	22.3
Top side-14mm	100	QPSK 1_1	518598/2592.99	1:1	1.160	0.01	22.49	23.50	1.262	1.464	22.3
Product specific 10g SAR Test data(50%RB) Sensor off											
Front side-14mm	100	QPSK 135_69	518598/2592.99	1:1	0.231	0.04	22.32	23.50	1.312	0.303	22.3
Back side-19mm	100	QPSK 135_69	518598/2592.99	1:1	0.036	-0.07	22.32	23.50	1.312	0.047	22.3
Top side-14mm	100	QPSK 135_69	518598/2592.99	1:1	1.080	0.03	22.32	23.50	1.312	1.417	22.3
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	100	QPSK 1_1	518598/2592.99	1:1	0.132	-0.13	22.49	23.50	1.262	0.167	22.2
Left tilted	100	QPSK 1_1	518598/2592.99	1:1	0.065	0.17	22.49	23.50	1.262	0.082	22.2
Right cheek	100	QPSK 1_1	518598/2592.99	1:1	0.043	-0.05	22.49	23.50	1.262	0.054	22.2
Right tilted	100	QPSK 1_1	518598/2592.99	1:1	0.021	0.18	22.49	23.50	1.262	0.026	22.2
Head Test data(50%RB)											
Left cheek	100	QPSK 135_69	518598/2592.99	1:1	0.127	-0.06	22.32	23.50	1.312	0.167	22.2
Left tilted	100	QPSK 135_69	518598/2592.99	1:1	0.057	0.03	22.32	23.50	1.312	0.075	22.2
Right cheek	100	QPSK 135_69	518598/2592.99	1:1	0.041	0.11	22.32	23.50	1.312	0.054	22.2
Right tilted	100	QPSK 135_69	518598/2592.99	1:1	0.018	-0.05	22.32	23.50	1.312	0.024	22.2
Body worn Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.034	-0.12	22.49	23.50	1.262	0.043	22.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.233	0.05	22.49	23.50	1.262	0.294	22.2



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

Report No.: SZCR231200401913

Page: 92 of 139

Body worn Test data(Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.029	-0.11	22.32	23.50	1.312	0.038	22.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.224	0.01	22.32	23.50	1.312	0.294	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.034	-0.12	22.49	23.50	1.262	0.043	22.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.233	0.05	22.49	23.50	1.262	0.294	22.2
Left side	100	QPSK 1_1	518598/2592.99	1:1	0.031	0.02	22.49	23.50	1.262	0.039	22.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.029	-0.11	22.32	23.50	1.312	0.038	22.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.224	0.01	22.32	23.50	1.312	0.294	22.2
Left side	100	QPSK 135_69	518598/2592.99	1:1	0.025	-0.07	22.32	23.50	1.312	0.033	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.000	-0.17	22.49	23.50	1.262	0.000	22.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.324	0.03	22.49	23.50	1.262	0.409	22.2
Left side	100	QPSK 1_1	518598/2592.99	1:1	0.012	-0.07	22.49	23.50	1.262	0.015	22.2
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.000	0.08	22.32	23.50	1.312	0.000	22.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.314	-0.13	22.32	23.50	1.312	0.412	22.2
Left side	100	QPSK 135_69	518598/2592.99	1:1	0.003	0.16	22.32	23.50	1.312	0.004	22.2

Table 27 : SAR of 5G NR n41 for Head, Body.

8.2.23.SAR Result of 5G NR n48

SA N48 SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	40	QPSK 1_1	641666/3624.99	1:1	0.299	-0.07	21.47	22.50	1.268	0.379	22.3
Left tilted	40	QPSK 1_1	641666/3624.99	1:1	0.139	-0.04	21.47	22.50	1.268	0.176	22.3
Right cheek	40	QPSK 1_1	641666/3624.99	1:1	0.449	0.14	21.47	22.50	1.268	0.569	22.3
Right tilted	40	QPSK 1_1	641666/3624.99	1:1	0.121	0.14	21.47	22.50	1.268	0.153	22.3
Head Test data(50%RB)											
Left cheek	40	QPSK 50_28	641666/3624.99	1:1	0.313	-0.12	21.24	22.50	1.337	0.418	22.3
Left tilted	40	QPSK 50_28	641666/3624.99	1:1	0.146	-0.16	21.24	22.50	1.337	0.195	22.3
Right cheek	40	QPSK 50_28	641666/3624.99	1:1	0.461	-0.09	21.24	22.50	1.337	0.616	22.3
Right tilted	40	QPSK 50_28	641666/3624.99	1:1	0.134	-0.09	21.24	22.50	1.337	0.179	22.3
Body worn Test data(Separate 10mm 1RB)											
Front side	40	QPSK 1_1	641666/3624.99	1:1	0.164	0.10	22.32	23.50	1.312	0.215	22.3
Back side	40	QPSK 1_1	641666/3624.99	1:1	0.118	0.06	22.32	23.50	1.312	0.155	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	40	QPSK 50_28	641666/3624.99	1:1	0.189	-0.02	22.19	23.50	1.352	0.256	22.3
Back side	40	QPSK 50_28	641666/3624.99	1:1	0.120	0.15	22.19	23.50	1.352	0.162	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	40	QPSK 1_1	641666/3624.99	1:1	0.108	-0.08	19.25	20.50	1.334	0.144	22.3
Back side	40	QPSK 1_1	641666/3624.99	1:1	0.077	0.03	19.25	20.50	1.334	0.103	22.3
Right side	40	QPSK 1_1	641666/3624.99	1:1	0.483	0.12	19.25	20.50	1.334	0.644	22.3
Hotspot Test data (Separate 10mm 50%RB)											



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

Report No.: SZCR231200401913

Page: 93 of 139

Front side	40	QPSK 50_28	641666/3624.99	1:1	0.124	0.10	19.15	20.50	1.365	0.169	22.3
Back side	40	QPSK 50_28	641666/3624.99	1:1	0.079	0.18	19.15	20.50	1.365	0.108	22.3
Right side	40	QPSK 50_28	641666/3624.99	1:1	0.489	-0.13	19.15	20.50	1.365	0.667	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	40	QPSK 1_1	641666/3624.99	1:1	0.233	-0.01	22.32	23.50	1.312	0.306	22.3
Back side	40	QPSK 1_1	641666/3624.99	1:1	0.137	-0.02	22.32	23.50	1.312	0.180	22.3
Right side	40	QPSK 1_1	641666/3624.99	1:1	0.951	0.09	22.32	23.50	1.312	1.248	22.3
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	40	QPSK 50_28	641666/3624.99	1:1	0.311	-0.10	22.19	23.50	1.352	0.420	22.3
Back side	40	QPSK 50_28	641666/3624.99	1:1	0.248	0.19	22.19	23.50	1.352	0.335	22.3
Right side	40	QPSK 50_28	641666/3624.99	1:1	1.110	-0.06	22.19	23.50	1.352	1.501	22.3

Table 28 : SAR of 5G NR n48 for Head, Body.

8.2.24.SAR Result of 5G NR n66

SA N66 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	20	QPSK 1_1	349000/1745	1:1	0.198	0.15	15.59	16.50	1.233	0.244	22.3
Left tilted	20	QPSK 1_1	349000/1745	1:1	0.177	0.07	15.59	16.50	1.233	0.218	22.3
Right cheek	20	QPSK 1_1	349000/1745	1:1	0.343	0.18	15.59	16.50	1.233	0.423	22.3
Right tilted	20	QPSK 1_1	349000/1745	1:1	0.303	0.01	15.59	16.50	1.233	0.374	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	349000/1745	1:1	0.223	0.11	15.43	16.50	1.279	0.285	22.3
Left tilted	20	QPSK 50_28	349000/1745	1:1	0.202	0.18	15.43	16.50	1.279	0.258	22.3
Right cheek	20	QPSK 50_28	349000/1745	1:1	0.403	-0.03	15.43	16.50	1.279	0.516	22.3
Right tilted	20	QPSK 50_28	349000/1745	1:1	0.384	0.19	15.43	16.50	1.279	0.491	22.3
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	349000/1745	1:1	0.623	0.07	23.16	24.00	1.213	0.756	22.3
Back side	20	QPSK 1_1	349000/1745	1:1	0.155	0.19	23.16	24.00	1.213	0.188	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	349000/1745	1:1	0.648	-0.05	23.01	24.00	1.256	0.814	22.3
Front side	20	QPSK 50_28	344000/1720	1:1	0.582	0.13	23.01	24.00	1.256	0.731	22.3
Front side	20	QPSK 50_28	354000/1770	1:1	0.627	-0.14	22.88	24.00	1.294	0.811	22.3
Back side	20	QPSK 50_28	349000/1745	1:1	0.175	0.12	22.90	24.00	1.288	0.225	22.3
Body worn Test data(Separate 10mm 100%RB)											
Front side	20	QPSK 100_0	349000/1745	1:1	0.594	0.09	22.15	23.00	1.216	0.722	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	349000/1745	1:1	0.115	-0.05	18.99	20.00	1.262	0.145	22.3
Back side	20	QPSK 1_1	349000/1745	1:1	0.023	0.15	18.99	20.00	1.262	0.029	22.3
Left side	20	QPSK 1_1	349000/1745	1:1	0.050	0.11	18.99	20.00	1.262	0.063	22.3
Top side	20	QPSK 1_1	349000/1745	1:1	0.281	0.14	18.99	20.00	1.262	0.355	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	349000/1745	1:1	0.118	-0.05	18.94	20.00	1.276	0.151	22.3
Back side	20	QPSK 50_28	349000/1745	1:1	0.025	0.12	18.94	20.00	1.276	0.032	22.3
Left side	20	QPSK 50_28	349000/1745	1:1	0.052	-0.07	18.94	20.00	1.276	0.066	22.3



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

Report No.: SZCR231200401913

Page: 94 of 139

Top side	20	QPSK 50_28	349000/1745	1:1	0.296	-0.17	18.94	20.00	1.276	0.378	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB) Sensor on											
Front side	20	QPSK 1_1	349000/1745	1:1	0.956	-0.15	22.01	23.00	1.256	1.201	22.3
Back side	20	QPSK 1_1	349000/1745	1:1	0.124	-0.10	22.01	23.00	1.256	0.156	22.3
Left side	20	QPSK 1_1	349000/1745	1:1	0.461	0.18	22.01	23.00	1.256	0.579	22.3
Top side	20	QPSK 1_1	349000/1745	1:1	2.340	-0.13	22.01	23.00	1.256	2.939	22.3
Top side	20	QPSK 1_1	344000/1720	1:1	2.160	-0.14	21.81	23.00	1.315	2.841	22.3
Top side	20	QPSK 1_1	354000/1770	1:1	2.230	-0.15	21.89	23.00	1.291	2.879	22.3
Product specific 10g SAR Test data(Separate 0mm 50%RB) Sensor on											
Front side	20	QPSK 50_28	349000/1745	1:1	1.020	-0.01	21.96	23.00	1.271	1.296	22.3
Back side	20	QPSK 50_28	349000/1745	1:1	0.138	-0.05	21.96	23.00	1.271	0.175	22.3
Left side	20	QPSK 50_28	349000/1745	1:1	0.485	0.19	21.96	23.00	1.271	0.616	22.3
Top side	20	QPSK 50_28	349000/1745	1:1	2.470	-0.01	21.96	23.00	1.271	3.138	22.3
Top side	20	QPSK 50_28	344000/1720	1:1	2.270	0.12	21.78	23.00	1.324	3.006	22.3
Top side	20	QPSK 50_28	354000/1770	1:1	2.330	0.17	21.85	23.00	1.303	3.036	22.3
Product specific 10g SAR Test data(Separate 0mm 100%RB) Sensor on											
Top side	20	QPSK 100_0	349000/1745	1:1	2.360	0.03	21.99	23.00	1.262	2.978	22.3
Product specific 10g SAR Test data(1RB) Sensor off											
Front side-14mm	20	QPSK 1_1	349000/1745	1:1	0.455	0.05	23.16	24.00	1.213	0.552	22.3
Back side-19mm	20	QPSK 1_1	349000/1745	1:1	0.032	-0.11	23.16	24.00	1.213	0.039	22.3
Top side-14mm	20	QPSK 1_1	349000/1745	1:1	1.230	0.07	23.16	24.00	1.213	1.492	22.3
Product specific 10g SAR Test data(50%RB) Sensor off											
Front side-14mm	20	QPSK 50_28	349000/1745	1:1	0.469	-0.04	23.01	24.00	1.256	0.589	22.3
Back side-19mm	20	QPSK 50_28	349000/1745	1:1	0.025	0.01	23.01	24.00	1.256	0.031	22.3
Top side-14mm	20	QPSK 50_28	349000/1745	1:1	1.320	0.09	23.01	24.00	1.256	1.658	22.3
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	20	QPSK 1_1	349000/1745	1:1	0.009	0.08	23.16	24.00	1.213	0.011	22.3
Left tilted	20	QPSK 1_1	349000/1745	1:1	0.006	0.15	23.16	24.00	1.213	0.007	22.3
Right cheek	20	QPSK 1_1	349000/1745	1:1	0.012	0.15	23.16	24.00	1.213	0.015	22.3
Right tilted	20	QPSK 1_1	349000/1745	1:1	0.008	-0.06	23.16	24.00	1.213	0.010	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	349000/1745	1:1	0.012	0.01	23.01	24.00	1.256	0.015	22.3
Left tilted	20	QPSK 50_28	349000/1745	1:1	0.008	0.17	23.01	24.00	1.256	0.010	22.3
Right cheek	20	QPSK 50_28	349000/1745	1:1	0.016	-0.15	23.01	24.00	1.256	0.020	22.3
Right tilted	20	QPSK 50_28	349000/1745	1:1	0.009	0.14	23.01	24.00	1.256	0.011	22.3
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	349000/1745	1:1	0.125	-0.04	23.16	24.00	1.213	0.152	22.3
Back side	20	QPSK 1_1	349000/1745	1:1	0.132	0.12	23.16	24.00	1.213	0.160	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	349000/1745	1:1	0.136	-0.01	23.01	24.00	1.256	0.171	22.3
Back side	20	QPSK 50_28	349000/1745	1:1	0.149	0.04	23.01	24.00	1.256	0.187	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	349000/1745	1:1	0.125	-0.04	23.16	24.00	1.213	0.152	22.3
Back side	20	QPSK 1_1	349000/1745	1:1	0.132	0.12	23.16	24.00	1.213	0.160	22.3
Left side	20	QPSK 1_1	349000/1745	1:1	0.275	0.19	23.16	24.00	1.213	0.334	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	349000/1745	1:1	0.136	-0.01	23.01	24.00	1.256	0.171	22.3



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

Report No.: SZCR231200401913

Page: 95 of 139

Back side	20	QPSK 50_28	349000/1745	1:1	0.149	0.04	23.01	24.00	1.256	0.187	22.3
Left side	20	QPSK 50_28	349000/1745	1:1	0.262	-0.09	23.01	24.00	1.256	0.329	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	20	QPSK 1_1	349000/1745	1:1	0.009	-0.05	23.16	24.00	1.213	0.011	22.3
Back side	20	QPSK 1_1	349000/1745	1:1	0.011	0.12	23.16	24.00	1.213	0.013	22.3
Left side	20	QPSK 1_1	349000/1745	1:1	0.082	0.05	23.16	24.00	1.213	0.099	22.3
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	349000/1745	1:1	0.012	0.18	23.01	24.00	1.256	0.015	22.3
Back side	20	QPSK 50_28	349000/1745	1:1	0.018	0.06	23.01	24.00	1.256	0.023	22.3
Left side	20	QPSK 50_28	349000/1745	1:1	0.092	-0.08	23.01	24.00	1.256	0.116	22.3

Table 29 : SAR of 5G NR n66 for Head, Body.

8.2.25.SAR Result of 5G NR n71

SA N71 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	20	QPSK 1_1	136100/680.5	1:1	0.062	-0.18	23.51	24.50	1.256	0.078	22.4
Left tilted	20	QPSK 1_1	136100/680.5	1:1	0.067	-0.11	23.51	24.50	1.256	0.084	22.4
Right cheek	20	QPSK 1_1	136100/680.5	1:1	0.083	-0.14	23.51	24.50	1.256	0.104	22.4
Right tilted	20	QPSK 1_1	136100/680.5	1:1	0.054	0.10	23.51	24.50	1.256	0.068	22.4
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	136100/680.5	1:1	0.066	0.18	23.39	24.50	1.291	0.085	22.4
Left tilted	20	QPSK 50_28	136100/680.5	1:1	0.073	-0.12	23.39	24.50	1.291	0.094	22.4
Right cheek	20	QPSK 50_28	136100/680.5	1:1	0.090	-0.01	23.39	24.50	1.291	0.116	22.4
Right tilted	20	QPSK 50_28	136100/680.5	1:1	0.059	-0.08	23.39	24.50	1.291	0.076	22.4
Body worn Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.021	0.16	23.51	24.50	1.256	0.026	22.4
Back side	20	QPSK 1_1	136100/680.5	1:1	0.011	0.17	23.51	24.50	1.256	0.014	22.4
Body worn Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	1:1	0.027	-0.03	23.39	24.50	1.291	0.035	22.4
Back side	20	QPSK 50_28	136100/680.5	1:1	0.013	0.15	23.39	24.50	1.291	0.017	22.4
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.021	0.16	23.51	24.50	1.256	0.026	22.4
Back side	20	QPSK 1_1	136100/680.5	1:1	0.011	0.17	23.51	24.50	1.256	0.014	22.4
Left side	20	QPSK 1_1	136100/680.5	1:1	0.002	0.10	23.51	24.50	1.256	0.003	22.4
Top side	20	QPSK 1_1	136100/680.5	1:1	0.036	-0.12	23.51	24.50	1.256	0.045	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	1:1	0.027	-0.03	23.39	24.50	1.291	0.035	22.4
Back side	20	QPSK 50_28	136100/680.5	1:1	0.013	0.15	23.39	24.50	1.291	0.017	22.4
Left side	20	QPSK 50_28	136100/680.5	1:1	0.002	-0.19	23.39	24.50	1.291	0.003	22.4
Top side	20	QPSK 50_28	136100/680.5	1:1	0.038	-0.16	23.39	24.50	1.291	0.049	22.4
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.063	-0.18	23.51	24.50	1.256	0.079	22.4



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Back side	20	QPSK 1_1	136100/680.5	1:1	0.006	0.01	23.51	24.50	1.256	0.008	22.4
Left side	20	QPSK 1_1	136100/680.5	1:1	0.054	0.10	23.51	24.50	1.256	0.068	22.4
Top side	20	QPSK 1_1	136100/680.5	1:1	0.142	-0.07	23.51	24.50	1.256	0.178	22.4
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	1:1	0.068	-0.14	23.39	24.50	1.291	0.088	22.4
Back side	20	QPSK 50_28	136100/680.5	1:1	0.009	0.02	23.39	24.50	1.291	0.012	22.4
Left side	20	QPSK 50_28	136100/680.5	1:1	0.059	0.12	23.39	24.50	1.291	0.076	22.4
Top side	20	QPSK 50_28	136100/680.5	1:1	0.146	0.14	23.39	24.50	1.291	0.189	22.4

Table 30 : SAR of 5G NR n71 for Head, Body.

8.2.26.SAR Result of 5G NR n77 Part27Q

SA N77 Part 27Q SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	100	QPSK 1_1	633334/3500	1:1	0.298	0.09	19.46	20.50	1.271	0.379	22.3
Left tilted	100	QPSK 1_1	633334/3500	1:1	0.138	-0.15	19.46	20.50	1.271	0.175	22.3
Right cheek	100	QPSK 1_1	633334/3500	1:1	0.447	-0.09	19.46	20.50	1.271	0.568	22.3
Right tilted	100	QPSK 1_1	633334/3500	1:1	0.121	0.01	19.46	20.50	1.271	0.154	22.3
Head Test data(50%RB)											
Left cheek	100	QPSK 135_69	633334/3500	1:1	0.330	-0.04	19.44	20.50	1.276	0.421	22.3
Left tilted	100	QPSK 135_69	633334/3500	1:1	0.170	0.01	19.44	20.50	1.276	0.217	22.3
Right cheek	100	QPSK 135_69	633334/3500	1:1	0.493	-0.08	19.44	20.50	1.276	0.629	22.3
Right tilted	100	QPSK 135_69	633334/3500	1:1	0.152	0.07	19.44	20.50	1.276	0.194	22.3
Body worn Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	633334/3500	1:1	0.212	-0.17	21.99	23.00	1.262	0.268	22.3
Back side	100	QPSK 1_1	633334/3500	1:1	0.123	0.12	21.99	23.00	1.262	0.155	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	633334/3500	1:1	0.215	0.01	21.78	23.00	1.324	0.285	22.3
Back side	100	QPSK 135_69	633334/3500	1:1	0.144	-0.16	21.78	23.00	1.324	0.191	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	633334/3500	1:1	0.078	0.01	15.87	17.00	1.297	0.101	22.3
Back side	100	QPSK 1_1	633334/3500	1:1	0.068	-0.01	15.87	17.00	1.297	0.088	22.3
Right side	100	QPSK 1_1	633334/3500	1:1	0.260	-0.14	15.87	17.00	1.297	0.337	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	633334/3500	1:1	0.086	-0.15	15.84	17.00	1.306	0.112	22.3
Back side	100	QPSK 135_69	633334/3500	1:1	0.081	0.05	15.84	17.00	1.306	0.106	22.3
Right side	100	QPSK 135_69	633334/3500	1:1	0.307	-0.09	15.84	17.00	1.306	0.401	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	100	QPSK 1_1	633334/3500	1:1	0.017	0.02	21.99	23.00	1.262	0.021	22.3
Back side	100	QPSK 1_1	633334/3500	1:1	0.025	0.05	21.99	23.00	1.262	0.032	22.3
Right side	100	QPSK 1_1	633334/3500	1:1	1.369	0.15	21.99	23.00	1.262	1.727	22.3
Product specific 10g SAR Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	633334/3500	1:1	0.443	0.17	21.78	23.00	1.324	0.587	22.3
Back side	100	QPSK 135_69	633334/3500	1:1	0.273	-0.12	21.78	23.00	1.324	0.362	22.3
Right side	100	QPSK 135_69	633334/3500	1:1	1.500	-0.02	21.78	23.00	1.324	1.987	22.3



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

Report No.: SZCR231200401913

Page: 97 of 139

Table 31 : SAR of 5G NR n77 Part27Q for Head, Body.

8.2.27.SAR Result of 5G NR n77 Part27Q

SA N77 Part 27Q SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB)											
Left cheek	100	QPSK 1_1	656000/3840	1:1	0.206	0.16	19.29	20.50	1.321	0.272	22.3
Left tilted	100	QPSK 1_1	656000/3840	1:1	0.095	-0.15	19.29	20.50	1.321	0.126	22.3
Right cheek	100	QPSK 1_1	656000/3840	1:1	0.309	-0.09	19.29	20.50	1.321	0.408	22.3
Right tilted	100	QPSK 1_1	656000/3840	1:1	0.084	0.14	19.29	20.50	1.321	0.111	22.3
Head Test data(50%RB)											
Left cheek	100	QPSK 135_69	656000/3840	1:1	0.228	0.06	19.27	20.50	1.327	0.303	22.3
Left tilted	100	QPSK 135_69	656000/3840	1:1	0.113	0.05	19.27	20.50	1.327	0.150	22.3
Right cheek	100	QPSK 135_69	656000/3840	1:1	0.341	0.01	19.27	20.50	1.327	0.453	22.3
Right tilted	100	QPSK 135_69	656000/3840	1:1	0.103	-0.14	19.27	20.50	1.327	0.137	22.3
Body worn Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	656000/3840	1:1	0.145	0.02	21.91	23.00	1.285	0.186	22.3
Back side	100	QPSK 1_1	656000/3840	1:1	0.129	-0.02	21.91	23.00	1.285	0.166	22.3
Body worn Test data(Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	656000/3840	1:1	0.129	-0.04	21.82	23.00	1.312	0.169	22.3
Back side	100	QPSK 135_69	656000/3840	1:1	0.113	0.16	21.82	23.00	1.312	0.148	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	656000/3840	1:1	0.081	-0.16	15.85	17.00	1.303	0.106	22.3
Back side	100	QPSK 1_1	656000/3840	1:1	0.072	-0.03	15.85	17.00	1.303	0.094	22.3
Right side	100	QPSK 1_1	656000/3840	1:1	0.315	-0.08	15.85	17.00	1.303	0.410	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	656000/3840	1:1	0.072	-0.17	15.80	17.00	1.318	0.095	22.3
Back side	100	QPSK 135_69	656000/3840	1:1	0.064	0.15	15.80	17.00	1.318	0.084	22.3
Right side	100	QPSK 135_69	656000/3840	1:1	0.331	0.07	15.80	17.00	1.318	0.436	22.3
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	100	QPSK 1_1	656000/3840	1:1	0.328	0.01	21.91	23.00	1.285	0.422	22.3
Back side	100	QPSK 1_1	656000/3840	1:1	0.337	0.07	21.91	23.00	1.285	0.433	22.3
Right side	100	QPSK 1_1	656000/3840	1:1	1.315	0.09	21.91	23.00	1.285	1.690	22.3
Product specific 10g SAR Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	656000/3840	1:1	0.349	-0.11	21.82	23.00	1.312	0.458	22.3
Back side	100	QPSK 135_69	656000/3840	1:1	0.303	0.00	21.82	23.00	1.312	0.398	22.3
Right side	100	QPSK 135_69	656000/3840	1:1	1.370	-0.09	21.82	23.00	1.312	1.798	22.3

Table 32 : SAR of 5G NR n77 Part27Q for Head, Body.

8.2.28.SAR Result of WIFI2.4G

Wi-Fi 2.4G SAR Test Record (Ant1)



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

Report No.: SZCR231200401913

Page: 98 of 139

Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data											
Left cheek	802.11b	6/2437	98.08%	1.020	0.260	0.02	18.50	19.50	1.259	0.334	22.2
Left tilted	802.11b	6/2437	98.08%	1.020	0.172	-0.13	18.50	19.50	1.259	0.221	22.2
Right cheek	802.11b	6/2437	98.08%	1.020	0.198	-0.08	18.50	19.50	1.259	0.254	22.2
Right tilted	802.11b	6/2437	98.08%	1.020	0.112	0.12	18.50	19.50	1.259	0.144	22.2
Body worn Test data(Separate 10mm)											
Front side	802.11b	6/2437	98.08%	1.020	0.081	0.19	18.50	19.50	1.259	0.104	22.2
Back side	802.11b	6/2437	98.08%	1.020	0.211	-0.09	18.50	19.50	1.259	0.271	22.2
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	98.08%	1.020	0.065	0.18	16.39	17.50	1.291	0.086	22.2
Back side	802.11b	6/2437	98.08%	1.020	0.170	0.00	16.39	17.50	1.291	0.224	22.2
Right side	802.11b	6/2437	98.08%	1.020	0.438	-0.03	16.39	17.50	1.291	0.577	22.2
Top side	802.11b	6/2437	98.08%	1.020	0.060	-0.14	16.39	17.50	1.291	0.079	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	802.11b	6/2437	98.08%	1.020	0.208	-0.06	18.50	19.50	1.259	0.267	22.2
Back side	802.11b	6/2437	98.08%	1.020	0.325	0.01	18.50	19.50	1.259	0.417	22.2
Right side	802.11b	6/2437	98.08%	1.020	0.830	0.01	18.50	19.50	1.259	1.065	22.2
Top side	802.11b	6/2437	98.08%	1.020	0.215	-0.18	18.50	19.50	1.259	0.276	22.2
Wi-Fi 2.4G SAR Test Record (Ant5)											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data											
Left cheek	802.11b	11/2462	98.08%	1.020	0.066	0.07	18.12	19.50	1.374	0.092	22.2
Left tilted	802.11b	11/2462	98.08%	1.020	0.058	0.00	18.12	19.50	1.374	0.081	22.2
Right cheek	802.11b	11/2462	98.08%	1.020	0.076	0.11	18.12	19.50	1.374	0.106	22.2
Right tilted	802.11b	11/2462	98.08%	1.020	0.001	-0.17	18.12	19.50	1.374	0.001	22.2
Body worn Test data(Separate 10mm)											
Front side	802.11b	11/2462	98.08%	1.020	0.041	0.12	18.12	19.50	1.374	0.057	22.2
Back side	802.11b	11/2462	98.08%	1.020	0.170	0.10	18.12	19.50	1.374	0.238	22.2
Hotspot Test data (Separate 10mm)											
Front side	802.11b	11/2462	98.08%	1.020	0.041	0.15	18.12	19.50	1.374	0.057	22.2
Back side	802.11b	11/2462	98.08%	1.020	0.170	0.02	18.12	19.50	1.374	0.238	22.2
Left side	802.11b	11/2462	98.08%	1.020	0.192	-0.14	18.12	19.50	1.374	0.269	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	802.11b	11/2462	98.08%	1.020	0.042	-0.06	18.12	19.50	1.374	0.059	22.2
Back side	802.11b	11/2462	98.08%	1.020	0.257	-0.11	18.12	19.50	1.374	0.360	22.2
Left side	802.11b	11/2462	98.08%	1.020	0.346	-0.10	18.12	19.50	1.374	0.485	22.2
Wi-Fi 2.4G SAR Test Record MIMO											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle	SAR (W/kg)	Power drift	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR	Liquid Temp.(°C)



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

Report No.: SZCR231200401913

Page: 99 of 139

				Scaled factor	1-g	(dB)				1-g (W/kg)	
Head Test data											
Left cheek	802.11n 40M	9/2452	99.71%	1.003	0.007	-0.05	11.21	12.50	1.346	0.009	22.2
Left tilted	802.11n 40M	9/2452	99.71%	1.003	0.003	-0.01	11.21	12.50	1.346	0.004	22.2
Right cheek	802.11n 40M	9/2452	99.71%	1.003	0.014	0.09	11.21	12.50	1.346	0.019	22.2
Right tilted	802.11n 40M	9/2452	99.71%	1.003	0.008	-0.11	11.21	12.50	1.346	0.011	22.2
Body worn Test data(Separate 10mm)											
Front side	802.11n 40M	9/2452	99.71%	1.003	0.012	0.12	11.21	12.50	1.346	0.016	22.2
Back side	802.11n 40M	9/2452	99.71%	1.003	0.006	0.09	11.21	12.50	1.346	0.008	22.2
Hotspot Test data (Separate 10mm)											
Front side	802.11n 40M	9/2452	99.71%	1.003	0.012	0.01	11.21	12.50	1.346	0.016	22.2
Back side	802.11n 40M	9/2452	99.71%	1.003	0.006	0.09	11.21	12.50	1.346	0.008	22.2
Left side	802.11n 40M	9/2452	99.71%	1.003	0.015	0.10	11.21	12.50	1.346	0.020	22.2
Right side	802.11n 40M	9/2452	99.71%	1.003	0.001	0.16	11.21	12.50	1.346	0.001	22.2
Top side	802.11n 40M	9/2452	99.71%	1.003	0.003	-0.12	11.21	12.50	1.346	0.004	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	802.11n 40M	9/2452	99.71%	1.003	0.025	-0.18	11.21	12.50	1.346	0.034	22.2
Back side	802.11n 40M	9/2452	99.71%	1.003	0.012	0.18	11.21	12.50	1.346	0.016	22.2
Left side	802.11n 40M	9/2452	99.71%	1.003	0.031	-0.14	11.21	12.50	1.346	0.042	22.2
Right side	802.11n 40M	9/2452	99.71%	1.003	0.001	0.05	11.21	12.50	1.346	0.001	22.2
Top side	802.11n 40M	9/2452	99.71%	1.003	0.005	0.06	11.21	12.50	1.346	0.007	22.2

Table 33 : SAR of 5G NR WIFI2.4G for Head, Body.

8.2.29.SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record Ant1											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A											
Left cheek	802.11a	60/5300	99.24%	1.008	0.118	-0.06	16.24	17.00	1.191	0.142	22.2
Left tilted	802.11a	60/5300	99.24%	1.008	0.094	-0.01	16.24	17.00	1.191	0.113	22.2
Right cheek	802.11a	60/5300	99.24%	1.008	0.095	-0.07	16.24	17.00	1.191	0.114	22.2
Right tilted	802.11a	60/5300	99.24%	1.008	0.094	-0.03	16.24	17.00	1.191	0.113	22.2
Head Test data of U-NII-2C											
Left cheek	802.11a	140/5700	99.24%	1.008	0.225	0.19	16.16	17.00	1.213	0.275	22.2
Left tilted	802.11a	140/5700	99.24%	1.008	0.199	-0.07	16.16	17.00	1.213	0.243	22.2
Right cheek	802.11a	140/5700	99.24%	1.008	0.166	-0.19	16.16	17.00	1.213	0.203	22.2
Right tilted	802.11a	140/5700	99.24%	1.008	0.139	-0.11	16.16	17.00	1.213	0.170	22.2
Head Test data of U-NII-3											
Left cheek	802.11a	157/5785	99.24%	1.008	0.190	-0.07	16.21	17.00	1.199	0.230	22.2



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

Report No.: SZCR231200401913

Page: 100 of 139

Left tilted	802.11a	157/5785	99.24%	1.008	0.159	0.14	16.21	17.00	1.199	0.192	22.2
Right cheek	802.11a	157/5785	99.24%	1.008	0.152	-0.13	16.21	17.00	1.199	0.184	22.2
Right tilted	802.11a	157/5785	99.24%	1.008	0.144	0.15	16.21	17.00	1.199	0.174	22.2
Body worn Test data of U-NII-2A(Separate 10mm)											
Front side	802.11a	60/5300	99.24%	1.008	0.042	-0.02	16.24	17.00	1.191	0.050	22.2
Back side	802.11a	60/5300	99.24%	1.008	0.114	-0.19	16.24	17.00	1.191	0.137	22.2
Body worn Test data of U-NII-2C(Separate 10mm)											
Front side	802.11a	140/5700	99.24%	1.008	0.066	-0.07	16.16	17.00	1.213	0.081	22.2
Back side	802.11a	140/5700	99.24%	1.008	0.086	0.07	16.16	17.00	1.213	0.105	22.2
Body worn Test data of U-NII-3(Separate 10mm)											
Front side	802.11a	157/5785	99.24%	1.008	0.067	-0.19	16.21	17.00	1.199	0.081	22.2
Back side	802.11a	157/5785	99.24%	1.008	0.117	-0.12	16.21	17.00	1.199	0.141	22.2
Hotspot Test data of U-NII-1(Separate 10mm)											
Front side	802.11a	40/5200	99.24%	1.008	0.074	0.15	14.11	15.00	1.227	0.092	22.2
Back side	802.11a	40/5200	99.24%	1.008	0.079	-0.16	14.11	15.00	1.227	0.098	22.2
Right side	802.11a	40/5200	99.24%	1.008	0.135	0.11	14.11	15.00	1.227	0.167	22.2
Top side	802.11a	40/5200	99.24%	1.008	0.183	-0.08	14.11	15.00	1.227	0.226	22.2
Hotspot Test data of U-NII-3(Separate 10mm)											
Front side	802.11a	157/5785	99.24%	1.008	0.055	-0.03	13.31	14.00	1.172	0.065	22.2
Back side	802.11a	157/5785	99.24%	1.008	0.024	-0.11	13.31	14.00	1.172	0.028	22.2
Right side	802.11a	157/5785	99.24%	1.008	0.139	0.14	13.31	14.00	1.172	0.164	22.2
Top side	802.11a	157/5785	99.24%	1.008	0.152	0.04	13.31	14.00	1.172	0.180	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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)											
Front side	802.11a	60/5300	99.24%	1.008	0.058	-0.15	16.24	17.00	1.191	0.070	22.2
Back side	802.11a	60/5300	99.24%	1.008	0.058	-0.14	16.24	17.00	1.191	0.070	22.2
Right side	802.11a	60/5300	99.24%	1.008	0.167	0.19	16.24	17.00	1.191	0.200	22.2
Top side	802.11a	60/5300	99.24%	1.008	0.192	0.14	16.24	17.00	1.191	0.231	22.2
Product specific 10gSAR Test data of U-NII-2C(Separate 0mm)											
Front side	802.11a	140/5700	99.24%	1.008	0.135	0.03	16.16	17.00	1.213	0.165	22.2
Back side	802.11a	140/5700	99.24%	1.008	0.051	-0.19	16.16	17.00	1.213	0.062	22.2
Right side	802.11a	140/5700	99.24%	1.008	0.314	0.00	16.16	17.00	1.213	0.384	22.2
Top side	802.11a	140/5700	99.24%	1.008	0.410	-0.09	16.16	17.00	1.213	0.501	22.2
Wi-Fi 5G SAR Test Record Ant5											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A											



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

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

Report No.: SZCR231200401913

Page: 101 of 139

Left cheek	802.11a	60/5300	99.24%	1.008	0.055	-0.14	16.25	17.00	1.189	0.066	22.2
Left tilted	802.11a	60/5300	99.24%	1.008	0.042	0.03	16.25	17.00	1.189	0.050	22.2
Right cheek	802.11a	60/5300	99.24%	1.008	0.056	0.01	16.25	17.00	1.189	0.067	22.2
Right tilted	802.11a	60/5300	99.24%	1.008	0.049	0.03	16.25	17.00	1.189	0.059	22.2
Head Test data of U-NII-2C											
Left cheek	802.11a	116/5580	99.24%	1.008	0.043	0.03	16.33	17.00	1.167	0.051	22.2
Left tilted	802.11a	116/5580	99.24%	1.008	0.024	-0.13	16.33	17.00	1.167	0.028	22.2
Right cheek	802.11a	116/5580	99.24%	1.008	0.067	-0.07	16.33	17.00	1.167	0.079	22.2
Right tilted	802.11a	116/5580	99.24%	1.008	0.035	0.05	16.33	17.00	1.167	0.041	22.2
Head Test data of U-NII-3											
Left cheek	802.11a	157/5785	99.24%	1.008	0.050	0.03	16.28	17.00	1.180	0.059	22.2
Left tilted	802.11a	157/5785	99.24%	1.008	0.034	0.04	16.28	17.00	1.180	0.040	22.2
Right cheek	802.11a	157/5785	99.24%	1.008	0.077	0.01	16.28	17.00	1.180	0.092	22.2
Right tilted	802.11a	157/5785	99.24%	1.008	0.061	0.13	16.28	17.00	1.180	0.073	22.2
Body worn Test data of U-NII-2A(Separate 10mm)											
Front side	802.11a	60/5300	99.24%	1.008	0.016	0.07	16.25	17.00	1.189	0.019	22.2
Back side	802.11a	60/5300	99.24%	1.008	0.055	-0.14	16.25	17.00	1.189	0.066	22.2
Body worn Test data of U-NII-2C(Separate 10mm)											
Front side	802.11a	116/5580	99.24%	1.008	0.024	-0.03	16.33	17.00	1.167	0.028	22.2
Back side	802.11a	116/5580	99.24%	1.008	0.033	-0.02	16.33	17.00	1.167	0.039	22.2
Body worn Test data of U-NII-3(Separate 10mm)											
Front side	802.11a	157/5785	99.24%	1.008	0.039	-0.08	16.28	17.00	1.180	0.046	22.2
Back side	802.11a	157/5785	99.24%	1.008	0.054	-0.07	16.28	17.00	1.180	0.064	22.2
Hotspot Test data of U-NII-1(Separate 10mm)											
Front side	802.11a	42/5210	99.72%	1.003	0.026	-0.13	14.02	15.00	1.253	0.033	22.2
Back side	802.11a	42/5210	99.72%	1.003	0.033	0.16	14.02	15.00	1.253	0.041	22.2
Left side	802.11a	42/5210	99.72%	1.003	0.159	0.00	14.02	15.00	1.253	0.200	22.2
Hotspot Test data of U-NII-3(Separate 10mm)											
Front side	802.11a	155/5775	99.72%	1.003	0.005	-0.04	13.93	15.00	1.279	0.006	22.2
Back side	802.11a	155/5775	99.72%	1.003	0.003	0.19	13.93	15.00	1.279	0.004	22.2
Left side	802.11a	155/5775	99.72%	1.003	0.095	-0.16	13.93	15.00	1.279	0.122	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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)											
Front side	802.11a	60/5300	99.24%	1.008	0.024	-0.07	16.25	17.00	1.189	0.029	22.2
Back side	802.11a	60/5300	99.24%	1.008	0.009	0.15	16.25	17.00	1.189	0.011	22.2
Left side	802.11a	60/5300	99.24%	1.008	0.109	-0.09	16.25	17.00	1.189	0.131	22.2
Product specific 10gSAR Test data of U-NII-2C(Separate 0mm)											
Front side	802.11a	116/5580	99.24%	1.008	0.079	0.14	16.33	17.00	1.167	0.093	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.: SZCR231200401913

Page: 102 of 139

Back side	802.11a	116/5580	99.24%	1.008	0.021	0.06	16.33	17.00	1.167	0.025	22.2
Left side	802.11a	116/5580	99.24%	1.008	0.207	0.10	16.33	17.00	1.167	0.243	22.2
Wi-Fi 5G SAR Test Record MIMO											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A											
Left cheek	802.11n HT20	60/5300	99.70%	1.003	0.097	0.03	15.64	17.00	1.368	0.133	22.2
Left tilted	802.11n HT20	60/5300	99.70%	1.003	0.086	0.09	15.64	17.00	1.368	0.118	22.2
Right cheek	802.11n HT20	60/5300	99.70%	1.003	0.095	-0.18	15.64	17.00	1.368	0.130	22.2
Right tilted	802.11n HT20	60/5300	99.70%	1.003	0.066	-0.12	15.64	17.00	1.368	0.091	22.2
Head Test data of U-NII-2C											
Left cheek	802.11n HT20	116/5580	99.70%	1.003	0.199	-0.07	16.33	17.50	1.308	0.261	22.2
Left tilted	802.11n HT20	116/5580	99.70%	1.003	0.192	0.05	16.33	17.50	1.308	0.252	22.2
Right cheek	802.11n HT20	116/5580	99.70%	1.003	0.186	0.14	16.33	17.50	1.308	0.244	22.2
Right tilted	802.11n HT20	116/5580	99.70%	1.003	0.180	-0.10	16.33	17.50	1.308	0.236	22.2
Head Test data of U-NII-3											
Left cheek	802.11n HT20	157/5785	99.70%	1.003	0.161	0.03	16.33	17.50	1.309	0.211	22.2
Left tilted	802.11n HT20	157/5785	99.70%	1.003	0.145	0.03	16.33	17.50	1.309	0.190	22.2
Right cheek	802.11n HT20	157/5785	99.70%	1.003	0.137	-0.03	16.33	17.50	1.309	0.180	22.2
Right tilted	802.11n HT20	157/5785	99.70%	1.003	0.129	-0.11	16.33	17.50	1.309	0.169	22.2
Body worn Test data of U-NII-2A(Separate 10mm)											
Front side	802.11n HT20	60/5300	99.70%	1.003	0.041	0.08	15.64	17.00	1.368	0.056	22.2
Back side	802.11n HT20	60/5300	99.70%	1.003	0.099	0.01	15.64	17.00	1.368	0.136	22.2
Body worn Test data of U-NII-2C(Separate 10mm)											
Front side	802.11n HT20	116/5580	99.70%	1.003	0.064	-0.12	16.33	17.50	1.308	0.084	22.2
Back side	802.11n HT20	116/5580	99.70%	1.003	0.069	-0.05	16.33	17.50	1.308	0.091	22.2
Body worn Test data of U-NII-3(Separate 10mm)											
Front side	802.11n HT20	157/5785	99.70%	1.003	0.061	-0.13	16.33	17.50	1.309	0.080	22.2
Back side	802.11n HT20	157/5785	99.70%	1.003	0.098	-0.08	16.33	17.50	1.309	0.129	22.2
Hotspot Test data of U-NII-1(Separate 10mm)											
Front side	802.11ac 80M	42/5210	99.72%	1.003	0.048	0.04	14.02	15.00	1.253	0.060	22.2
Back side	802.11ac 80M	42/5210	99.72%	1.003	0.075	0.16	14.02	15.00	1.253	0.094	22.2
Left side	802.11ac 80M	42/5210	99.72%	1.003	0.218	0.04	14.02	15.00	1.253	0.274	22.2
Right side	802.11ac 80M	42/5210	99.72%	1.003	0.126	0.04	14.02	15.00	1.253	0.158	22.2
Top side	802.11ac 80M	42/5210	99.72%	1.003	0.092	0.19	14.02	15.00	1.253	0.116	22.2
Hotspot Test data of U-NII-3(Separate 10mm)											
Front side	802.11ac 80M	155/5775	99.72%	1.003	0.028	-0.05	12.72	14.00	1.342	0.038	22.2
Back side	802.11ac 80M	155/5775	99.72%	1.003	0.018	0.11	12.72	14.00	1.342	0.024	22.2



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

Report No.: SZCR231200401913

Page: 103 of 139

Left side	802.11ac 80M	155/5775	99.72%	1.003	0.141	-0.05	12.72	14.00	1.342	0.190	22.2
Right side	802.11ac 80M	155/5775	99.72%	1.003	0.067	-0.17	12.72	14.00	1.342	0.090	22.2
Top side	802.11ac 80M	155/5775	99.72%	1.003	0.051	0.01	12.72	14.00	1.342	0.069	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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)											
Front side	802.11n HT20	60/5300	99.72%	1.003	0.050	-0.02	15.64	17.00	1.368	0.069	22.2
Back side	802.11n HT20	60/5300	99.72%	1.003	0.031	0.11	15.64	17.00	1.368	0.043	22.2
Left side	802.11n HT20	60/5300	99.72%	1.003	0.176	-0.17	15.64	17.00	1.368	0.241	22.2
Right side	802.11n HT20	60/5300	99.72%	1.003	0.098	0.01	15.64	17.00	1.368	0.134	22.2
Top side	802.11n HT20	60/5300	99.72%	1.003	0.102	0.08	15.64	17.00	1.368	0.140	22.2
Product specific 10gSAR Test data of U-NII-2C(Separate 0mm)											
Front side	802.11n HT20	116/5580	99.72%	1.003	0.124	0.12	16.33	17.50	1.308	0.163	22.2
Back side	802.11n HT20	116/5580	99.72%	1.003	0.042	-0.02	16.33	17.50	1.308	0.055	22.2
Left side	802.11n HT20	116/5580	99.72%	1.003	0.274	-0.14	16.33	17.50	1.308	0.359	22.2
Right side	802.11n HT20	116/5580	99.72%	1.003	0.395	-0.03	16.33	17.50	1.308	0.518	22.2
Top side	802.11n HT20	116/5580	99.72%	1.003	0.282	-0.16	16.33	17.50	1.308	0.370	22.2

Table 34 : SAR of WIFI 5G for Head, Body.



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8.2.30.SAR Result of WIFI 6G

Wi-Fi 6E SAR Test Record MIMO												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Measured APD (W/m^2)	Liquid Temp.(°C)
Head Test data												
Left cheek	802.11ax HE40	147/6685	99.70%	1.003	0.057	0.06	8.99	10.00	1.263	0.072	0.374	22.2
Left cheek	802.11ax HE40	3/5965	99.70%	1.003	0.046	0.01	6.83	8.00	1.311	0.060	0.302	22.2
Left cheek	802.11ax HE40	99/6445	99.70%	1.003	0.075	-0.09	6.60	8.00	1.382	0.104	0.493	22.2
Left cheek	802.11ax HE40	195/6925	99.70%	1.003	0.086	-0.06	8.41	9.50	1.284	0.111	0.565	22.2
Left cheek	802.11ax HE40	227/7085	99.70%	1.003	0.069	-0.02	7.48	8.50	1.265	0.088	0.453	22.2
Left tilted	802.11ax HE40	147/6685	99.70%	1.003	0.053	0.01	8.99	10.00	1.263	0.067	0.348	22.2
Right cheek	802.11ax HE40	147/6685	99.70%	1.003	0.041	0.09	8.99	10.00	1.263	0.052	0.269	22.2
Right tilted	802.11ax HE40	147/6685	99.70%	1.003	0.036	0.01	8.99	10.00	1.263	0.046	0.237	22.2
Body worn Test data(Separate 10mm)												
Front side	802.11ax HE40	147/6685	99.70%	1.003	0.017	0.05	8.99	10.00	1.263	0.022	0.156	22.2
Back side	802.11ax HE40	147/6685	99.70%	1.003	0.026	0.12	8.99	10.00	1.263	0.033	0.242	22.2
Back side	802.11ax HE40	3/5965	99.70%	1.003	0.021	0.08	6.83	8.00	1.311	0.028	0.195	22.2
Back side	802.11ax HE40	99/6445	99.70%	1.003	0.033	0.01	6.60	8.00	1.382	0.046	0.307	22.2
Back side	802.11ax HE40	195/6925	99.70%	1.003	0.040	-0.07	8.41	9.50	1.284	0.052	0.372	22.2
Back side	802.11ax HE40	227/7085	99.70%	1.003	0.031	0.05	7.48	8.50	1.265	0.039	0.288	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Measured APD (W/m^2)	Liquid Temp.(°C)
Product specific 10gSAR Test data(Separate 0mm)												
Front side	802.11ax HE40	147/6685	99.70%	1.003	0.040	0.01	8.99	10.00	1.263	0.051	0.929	22.2
Back side	802.11ax HE40	147/6685	99.70%	1.003	0.012	0.05	8.99	10.00	1.263	0.015	0.288	22.2
Left side	802.11ax HE40	147/6685	99.70%	1.003	0.130	0.06	8.99	10.00	1.263	0.165	3.01	22.2
Left side	802.11ax HE40	3/5965	99.70%	1.003	0.100	0.01	6.83	8.00	1.311	0.131	2.31	22.2
Left side	802.11ax HE40	99/6445	99.70%	1.003	0.173	0.08	6.60	8.00	1.382	0.240	4.04	22.2
Left side	802.11ax HE40	195/6925	99.70%	1.003	0.242	0.16	8.41	9.50	1.284	0.312	5.67	22.2
Left side	802.11ax HE40	227/7085	99.70%	1.003	0.157	0.08	7.48	8.50	1.265	0.199	3.62	22.2
Right side	802.11ax HE40	147/6685	99.70%	1.003	0.034	0.01	8.99	10.00	1.263	0.043	0.789	22.2
Top side	802.11ax HE40	147/6685	99.70%	1.003	0.017	0.08	8.99	10.00	1.263	0.022	0.389	22.2

Table 35 : SAR of WIFI 6G for Head, Body.

8.2.31.SAR Result of BT

Bluetooth SAR Test Record (Ant1)											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data											
Left cheek	DH5	39/2441	76.80%	1.302	0.045	-0.05	13.94	15.00	1.276	0.075	22.2
Left tilted	DH5	39/2441	76.80%	1.302	0.030	-0.07	13.94	15.00	1.276	0.050	22.2
Right cheek	DH5	39/2441	76.80%	1.302	0.034	-0.02	13.94	15.00	1.276	0.057	22.2
Right tilted	DH5	39/2441	76.80%	1.302	0.019	-0.02	13.94	15.00	1.276	0.032	22.2
Body worn Test data(Separate 10mm)											
Front side	DH5	39/2441	76.80%	1.302	0.009	-0.18	13.94	15.00	1.276	0.015	22.2
Back side	DH5	39/2441	76.80%	1.302	0.025	0.17	13.94	15.00	1.276	0.042	22.2
Hotspot Test data (Separate 10mm)											
Front side	DH5	39/2441	76.80%	1.302	0.016	-0.17	13.94	15.00	1.276	0.027	22.2
Back side	DH5	39/2441	76.80%	1.302	0.042	0.16	13.94	15.00	1.276	0.070	22.2
Right side	DH5	39/2441	76.80%	1.302	0.108	-0.03	13.94	15.00	1.276	0.179	22.2
Top side	DH5	39/2441	76.80%	1.302	0.015	-0.18	13.94	15.00	1.276	0.025	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	DH5	39/2441	76.80%	1.302	0.040	-0.10	13.94	15.00	1.276	0.066	22.2
Back side	DH5	39/2441	76.80%	1.302	0.062	-0.16	13.94	15.00	1.276	0.103	22.2
Right side	DH5	39/2441	76.80%	1.302	0.158	0.01	13.94	15.00	1.276	0.263	22.2
Top side	DH5	39/2441	76.80%	1.302	0.041	-0.06	13.94	15.00	1.276	0.068	22.2
Bluetooth SAR Test Record (Ant5)											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data											
Left cheek	DH5	39/2441	76.80%	1.302	0.008	0.14	13.63	15.00	1.371	0.014	22.2
Left tilted	DH5	39/2441	76.80%	1.302	0.007	-0.09	13.63	15.00	1.371	0.012	22.2
Right cheek	DH5	39/2441	76.80%	1.302	0.009	0.05	13.63	15.00	1.371	0.016	22.2
Right tilted	DH5	39/2441	76.80%	1.302	0.001	0.18	13.63	15.00	1.371	0.002	22.2
Body worn Test data(Separate 10mm)											
Front side	DH5	39/2441	76.80%	1.302	0.001	-0.10	13.63	15.00	1.371	0.002	22.2
Back side	DH5	39/2441	76.80%	1.302	0.020	0.04	13.63	15.00	1.371	0.036	22.2
Hotspot Test data (Separate 10mm)											
Front side	DH5	39/2441	76.80%	1.302	0.013	-0.16	13.63	15.00	1.371	0.023	22.2
Back side	DH5	39/2441	76.80%	1.302	0.056	0.00	13.63	15.00	1.371	0.100	22.2
Left side	DH5	39/2441	76.80%	1.302	0.063	0.01	13.63	15.00	1.371	0.112	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	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 10g SAR Test data(Separate 0mm 1RB)											
Front side	DH5	39/2441	76.80%	1.302	0.014	-0.17	13.63	15.00	1.371	0.025	22.2
Back side	DH5	39/2441	76.80%	1.302	0.086	0.09	13.63	15.00	1.371	0.154	22.2



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

Report No.: SZCR231200401913

Page: 106 of 139

Left side	DH5	39/2441	76.80%	1.302	0.116	-0.02	13.63	15.00	1.371	0.207	22.2
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Table 36 : SAR of BT for Head, Body.



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Shenzhen Branch (SZSAR-TRF-01) Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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+WIFI2.4G MIMO	Yes	Yes	Yes	Yes
2	WWAN+WIFI2.4G Ant1+BT Ant5	Yes	Yes	Yes	Yes
3	WWAN+WIFI2.4G Ant5+BT Ant1	Yes	Yes	Yes	Yes
4	WWAN+WIFI2.4G Ant1+WIFI5G Ant5	Yes	Yes	Yes	Yes
5	WWAN+WIFI2.4G Ant5+WIFI5G Ant1	Yes	Yes	Yes	Yes
6	WWAN+WIFI2.4G MIMO+WIFI5G MIMO	Yes	Yes	Yes	Yes
7	WWAN+WIFI5G MIMO+BT Ant1+BT Ant5	Yes	Yes	Yes	Yes
8	WWAN+WIFI2.4G MIMO+WIFI6G MIMO	Yes	Yes	N/A	Yes
9	WWAN+WIFI6G MIMO+BT Ant1+BT Ant5	Yes	Yes	N/A	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.
- 3) WiFi 6G does not support hotspot function.



8.3.2.Simultaneous Transmission SAR Summation Scenario

Head:

Test position		SARmax (W/kg)									
		MAX. WWAN SAR(W/kg)	WLAN2.4G Ant1 SAR(W/kg)	WLAN2.4G Ant5 SAR(W/kg)	WLAN2.4G MIMO SAR(W/kg)	WLAN5G Ant1(W/kg)	WLAN5G Ant5(W/kg)	WLAN 5G MIMO(W/kg)	BT Ant1 SAR(W/kg)	BT Ant5 SAR(W/kg)	WLAN 6GMIMO SAR(W/kg)
		1	2	3	4	5	6	7	8	9	10
GSM850	Left cheek	0.820	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.570	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.935	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.617	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
GSM1900	Left cheek	0.676	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.656	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.970	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.933	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
WCDMA B2	Left cheek	0.563	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.509	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.042	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.786	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
WCDMA B4	Left cheek	0.664	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.626	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.166	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.983	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
WCDMA B5	Left cheek	0.656	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.466	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.820	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.641	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B5	Left cheek	0.444	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.344	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.531	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.381	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B7	Left cheek	0.881	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.839	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.231	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.966	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B12	Left cheek	0.478	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.342	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.571	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.385	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B13	Left cheek	0.416	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.285	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.505	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.304	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B14	Left cheek	0.360	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.266	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.502	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.331	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B25	Left cheek	0.401	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.393	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.511	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.497	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B41	Left cheek	0.574	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.472	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.789	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.604	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B42	Left cheek	0.223	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.092	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.357	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.056	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B43	Left cheek	0.247	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.092	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.356	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.077	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B48	Left cheek	0.231	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.108	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067



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

Report No.: SZCR231200401913

Page: 109 of 139

	Right cheek	0.348	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.094	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B66	Left cheek	0.361	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.329	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.655	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.625	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
LTE B71	Left cheek	0.096	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.104	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.130	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.085	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N12	Left cheek	0.468	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.334	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.559	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.377	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N25	Left cheek	0.862	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.612	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.910	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.774	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N41	Left cheek	0.407	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.349	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.567	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.438	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N48	Left cheek	0.418	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.195	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.616	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.179	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N66	Left cheek	0.285	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.258	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.516	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.491	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N71	Left cheek	0.085	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.094	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.116	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.076	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N77 Part 27Q	Left cheek	0.421	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.217	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.629	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.194	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
N77 Part 27O	Left cheek	0.303	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.150	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.453	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.137	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046

Test position		Summed SAR									
		1+2+9	1+3+8	1+2+6	1+3+5	1+4+7	1+4+10	1+5+9	1+6+8	1+7+8+9	1+8+9+10
GSM850	Left cheek	1.168	0.987	1.220	1.187	1.090	0.940	1.109	0.961	1.170	1.020
	Left tilted	0.803	0.701	0.841	0.894	0.826	0.641	0.825	0.670	0.884	0.699
	Right cheek	1.167	1.098	1.243	1.244	1.198	1.006	1.154	1.084	1.252	1.060
	Right tilted	0.763	0.660	0.834	0.802	0.864	0.674	0.793	0.722	0.887	0.697
GSM1900	Left cheek	1.024	0.843	1.076	1.043	0.946	0.796	0.965	0.817	1.026	0.876
	Left tilted	0.889	0.787	0.927	0.980	0.912	0.727	0.911	0.756	0.970	0.785
	Right cheek	1.202	1.133	1.278	1.279	1.233	1.041	1.189	1.119	1.287	1.095
	Right tilted	1.079	0.976	1.150	1.118	1.180	0.990	1.109	1.038	1.203	1.013
WCDMA B2	Left cheek	0.911	0.730	0.963	0.930	0.833	0.683	0.852	0.704	0.913	0.763
	Left tilted	0.742	0.640	0.780	0.833	0.765	0.580	0.764	0.609	0.823	0.638
	Right cheek	1.274	1.205	1.350	1.351	1.305	1.113	1.261	1.191	1.359	1.167
	Right tilted	0.932	0.829	1.003	0.971	1.033	0.843	0.962	0.891	1.056	0.866
WCDMA B4	Left cheek	1.012	0.831	1.064	1.031	0.934	0.784	0.953	0.805	1.014	0.864
	Left tilted	0.859	0.757	0.897	0.950	0.882	0.697	0.881	0.726	0.940	0.755
	Right cheek	1.398	1.329	1.474	1.475	1.429	1.237	1.385	1.315	1.483	1.291
	Right tilted	1.129	1.026	1.200	1.168	1.230	1.040	1.159	1.088	1.253	1.063
WCDMA B5	Left cheek	1.004	0.823	1.056	1.023	0.926	0.776	0.945	0.797	1.006	0.856
	Left tilted	0.699	0.597	0.737	0.790	0.722	0.537	0.721	0.566	0.780	0.595
	Right cheek	1.052	0.983	1.128	1.129	1.083	0.891	1.039	0.969	1.137	0.945
	Right tilted										



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

Report No.: SZCR231200401913

Page: 110 of 139

	Right tilted	0.787	0.684	0.858	0.826	0.888	0.698	0.817	0.746	0.911	0.721
LTE B5	Left cheek	0.792	0.611	0.844	0.811	0.714	0.564	0.733	0.585	0.794	0.644
	Left tilted	0.577	0.475	0.615	0.668	0.600	0.415	0.599	0.444	0.658	0.473
	Right cheek	0.763	0.694	0.839	0.840	0.794	0.602	0.750	0.680	0.848	0.656
	Right tilted	0.527	0.424	0.598	0.566	0.628	0.438	0.557	0.486	0.651	0.461
LTE B7	Left cheek	1.229	1.048	1.281	1.248	1.151	1.001	1.170	1.022	1.231	1.081
	Left tilted	1.072	0.970	1.110	1.163	1.095	0.910	1.094	0.939	1.153	0.968
	Right cheek	1.463	1.394	1.539	1.540	1.494	1.302	1.450	1.380	1.548	1.356
	Right tilted	1.112	1.009	1.183	1.151	1.213	1.023	1.142	1.071	1.236	1.046
LTE B12	Left cheek	0.826	0.645	0.878	0.845	0.748	0.598	0.767	0.619	0.828	0.678
	Left tilted	0.575	0.473	0.613	0.666	0.598	0.413	0.597	0.442	0.656	0.471
	Right cheek	0.803	0.734	0.879	0.880	0.834	0.642	0.790	0.720	0.888	0.696
	Right tilted	0.531	0.428	0.602	0.570	0.632	0.442	0.561	0.490	0.655	0.465
LTE B13	Left cheek	0.764	0.583	0.816	0.783	0.686	0.536	0.705	0.557	0.766	0.616
	Left tilted	0.518	0.416	0.556	0.609	0.541	0.356	0.540	0.385	0.599	0.414
	Right cheek	0.737	0.668	0.813	0.814	0.768	0.576	0.724	0.654	0.822	0.630
	Right tilted	0.450	0.347	0.521	0.489	0.551	0.361	0.480	0.409	0.574	0.384
LTE B14	Left cheek	0.708	0.527	0.760	0.727	0.630	0.480	0.649	0.501	0.710	0.560
	Left tilted	0.499	0.397	0.537	0.590	0.522	0.337	0.521	0.366	0.580	0.395
	Right cheek	0.734	0.665	0.810	0.811	0.765	0.573	0.721	0.651	0.819	0.627
	Right tilted	0.477	0.374	0.548	0.516	0.578	0.388	0.507	0.436	0.601	0.411
LTE B25	Left cheek	0.749	0.568	0.801	0.768	0.671	0.521	0.690	0.542	0.751	0.601
	Left tilted	0.626	0.524	0.664	0.717	0.649	0.464	0.648	0.493	0.707	0.522
	Right cheek	0.743	0.674	0.819	0.820	0.774	0.582	0.730	0.660	0.828	0.636
	Right tilted	0.643	0.540	0.714	0.682	0.744	0.554	0.673	0.602	0.767	0.577
LTE B41	Left cheek	0.922	0.741	0.974	0.941	0.844	0.694	0.863	0.715	0.924	0.774
	Left tilted	0.705	0.603	0.743	0.796	0.728	0.543	0.727	0.572	0.786	0.601
	Right cheek	1.021	0.952	1.097	1.098	1.052	0.860	1.008	0.938	1.106	0.914
	Right tilted	0.750	0.647	0.821	0.789	0.851	0.661	0.780	0.709	0.874	0.684
LTE B42	Left cheek	0.571	0.390	0.623	0.590	0.493	0.343	0.512	0.364	0.573	0.423
	Left tilted	0.325	0.223	0.363	0.416	0.348	0.163	0.347	0.192	0.406	0.221
	Right cheek	0.589	0.520	0.665	0.666	0.620	0.428	0.576	0.506	0.674	0.482
	Right tilted	0.202	0.099	0.273	0.241	0.303	0.113	0.232	0.161	0.326	0.136
LTE B43	Left cheek	0.595	0.414	0.647	0.614	0.517	0.367	0.536	0.388	0.597	0.447
	Left tilted	0.325	0.223	0.363	0.416	0.348	0.163	0.347	0.192	0.406	0.221
	Right cheek	0.588	0.519	0.664	0.665	0.619	0.427	0.575	0.505	0.673	0.481
	Right tilted	0.223	0.120	0.294	0.262	0.324	0.134	0.253	0.182	0.347	0.157
LTE B48	Left cheek	0.579	0.398	0.631	0.598	0.501	0.351	0.520	0.372	0.581	0.431
	Left tilted	0.341	0.239	0.379	0.432	0.364	0.179	0.363	0.208	0.422	0.237
	Right cheek	0.580	0.511	0.656	0.657	0.611	0.419	0.567	0.497	0.665	0.473
	Right tilted	0.240	0.137	0.311	0.279	0.341	0.151	0.270	0.199	0.364	0.174
LTE B66	Left cheek	0.709	0.528	0.761	0.728	0.631	0.481	0.650	0.502	0.711	0.561
	Left tilted	0.562	0.460	0.600	0.653	0.585	0.400	0.584	0.429	0.643	0.458
	Right cheek	0.887	0.818	0.963	0.964	0.918	0.726	0.874	0.804	0.972	0.780
	Right tilted	0.771	0.668	0.842	0.810	0.872	0.682	0.801	0.730	0.895	0.705
LTE B71	Left cheek	0.444	0.263	0.496	0.463	0.366	0.216	0.385	0.237	0.446	0.296
	Left tilted	0.337	0.235	0.375	0.428	0.360	0.175	0.359	0.204	0.418	0.233
	Right cheek	0.362	0.293	0.438	0.439	0.393	0.201	0.349	0.279	0.447	0.255
	Right tilted	0.231	0.128	0.302	0.270	0.332	0.142	0.261	0.190	0.355	0.165
N12	Left cheek	0.816	0.635	0.868	0.835	0.738	0.588	0.757	0.609	0.818	0.668
	Left tilted	0.567	0.465	0.605	0.658	0.590	0.405	0.589	0.434	0.648	0.463
	Right cheek	0.791	0.722	0.867	0.868	0.822	0.630	0.778	0.708	0.876	0.684
	Right tilted	0.523	0.420	0.594	0.562	0.624	0.434	0.553	0.482	0.647	0.457
N25	Left cheek	1.210	1.029	1.262	1.229	1.132	0.982	1.151	1.003	1.212	1.062
	Left tilted	0.845	0.743	0.883	0.936	0.868	0.683	0.867	0.712	0.926	0.741
	Right cheek	1.142	1.073	1.218	1.219	1.173	0.981	1.129	1.059	1.227	1.035
	Right tilted	0.920	0.817	0.991	0.959	1.021	0.831	0.950	0.879	1.044	0.854
N41	Left cheek	0.755	0.574	0.807	0.774	0.677	0.527	0.696	0.548	0.757	0.607
	Left tilted	0.582	0.480	0.620	0.673	0.605	0.420	0.604	0.449	0.663	0.478
	Right cheek	0.799	0.730	0.875	0.876	0.830	0.638	0.786	0.716	0.884	0.692
	Right tilted	0.584	0.481	0.655	0.623	0.685	0.495	0.614	0.543	0.708	0.518
N48	Left cheek	0.766	0.585	0.818	0.785	0.688	0.538	0.707	0.559	0.768	0.618
	Left tilted	0.428	0.326	0.466	0.519	0.451	0.266	0.450	0.295	0.509	0.324
	Right cheek	0.848	0.779	0.924	0.925	0.879	0.687	0.835	0.765	0.933	0.741
	Right tilted	0.325	0.222	0.396	0.364	0.426	0.236	0.355	0.284	0.449	0.259
N66	Left cheek	0.633	0.452	0.685	0.652	0.555	0.405	0.574	0.426	0.635	0.485
	Left tilted	0.491	0.389	0.529	0.582	0.514	0.329	0.513	0.358	0.572	0.387
	Right cheek	0.748	0.679	0.824	0.825	0.779	0.587	0.735	0.665	0.833	0.641



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

Report No.: SZCR231200401913

Page: 111 of 139

	Right tilted	0.637	0.534	0.708	0.676	0.738	0.548	0.667	0.596	0.761	0.571
N71	Left cheek	0.433	0.252	0.485	0.452	0.355	0.205	0.374	0.226	0.435	0.285
	Left tilted	0.327	0.225	0.365	0.418	0.350	0.165	0.349	0.194	0.408	0.223
	Right cheek	0.348	0.279	0.424	0.425	0.379	0.187	0.335	0.265	0.433	0.241
	Right tilted	0.222	0.119	0.293	0.261	0.323	0.133	0.252	0.181	0.346	0.156
N77 Part 27Q	Left cheek	0.769	0.588	0.821	0.788	0.691	0.541	0.710	0.562	0.771	0.621
	Left tilted	0.450	0.348	0.488	0.541	0.473	0.288	0.472	0.317	0.531	0.346
	Right cheek	0.861	0.792	0.937	0.938	0.892	0.700	0.848	0.778	0.946	0.754
	Right tilted	0.340	0.237	0.411	0.379	0.441	0.251	0.370	0.299	0.464	0.274
N77 Part 27O	Left cheek	0.651	0.470	0.703	0.670	0.573	0.423	0.592	0.444	0.653	0.503
	Left tilted	0.383	0.281	0.421	0.474	0.406	0.221	0.405	0.250	0.464	0.279
	Right cheek	0.685	0.616	0.761	0.762	0.716	0.524	0.672	0.602	0.770	0.578
	Right tilted	0.283	0.180	0.354	0.322	0.384	0.194	0.313	0.242	0.407	0.217

Test position (ENDC)		SARmax (W/kg)									
		MAX. WWAN SAR(W/kg)	WLAN2.4G Ant1 SAR(W/kg)	WLAN2.4G Ant5 SAR(W/kg)	WLAN2.4G MIMO SAR(W/kg)	WLAN5G Ant1(W/kg)	WLAN5G Ant5(W/kg)	5GMIMO(W/kg)	BT Ant1 SAR(W/kg)	BT Ant5 SAR(W/kg)	WLAN 6GMIMO SAR(W/kg)
		1	2	3	4	5	6	7	8	9	10
DC_12A_n25A (DC_12A_n2A)	Left cheek	0.500	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.346	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.602	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.396	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_12A_n66A	Left cheek	0.493	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.352	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.591	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.396	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_12A_n77A (Part27Q)	Left cheek	0.899	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.559	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.200	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.579	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_12A_n77A (Part27O)	Left cheek	0.781	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.492	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.024	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.522	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_13A_n2A	Left cheek	0.438	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.289	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.536	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.315	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_13A_n66A	Left cheek	0.431	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.295	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.525	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.315	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_13A_n77A (Part27Q)	Left cheek	0.837	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.502	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.134	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.498	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_13A_n77A (Part27O)	Left cheek	0.719	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.435	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.958	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.441	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_14A_n2A	Left cheek	0.382	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.270	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.533	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.342	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_14A_n66A	Left cheek	0.375	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.276	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.522	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.342	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_14A_n77A (Part27Q)	Left cheek	0.781	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.483	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.131	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.525	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_14A_n77A (Part27O)	Left cheek	0.663	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.416	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.955	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.468	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

Report No.: SZCR231200401913

Page: 112 of 139

DC_2A_n41A	Left cheek	0.808	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.742	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.078	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.935	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_2A_n48A	Left cheek	0.819	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.588	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.127	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.676	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_2A_n5A	Left cheek	0.378	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.297	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.538	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.377	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_2A_n66A	Left cheek	0.416	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.403	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.531	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.508	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_2A_n71A	Left cheek	0.085	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.094	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.116	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.076	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_48A_n25A	Left cheek	1.093	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.720	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.258	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.868	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_48A_n5A	Left cheek	0.609	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.405	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.886	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.471	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_48A_n66A	Left cheek	0.516	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.366	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.864	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.585	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_5A_n2A	Left cheek	0.466	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.348	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.562	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.392	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_5A_n66A	Left cheek	0.459	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.354	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.551	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.392	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_5A_n77A (Part27Q)	Left cheek	0.865	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.561	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.160	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.575	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_5A_n77A (Part27O)	Left cheek	0.747	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.494	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.984	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.518	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_66A_n25A (DC_66A_n2A)	Left cheek	0.862	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.612	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.910	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.774	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_66A_n48A	Left cheek	0.779	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.524	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.271	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.804	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_66A_n5A	Left cheek	0.378	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.297	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.538	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.377	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_66A_n71A	Left cheek	0.085	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.094	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.116	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.076	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046
DC_66A_n77A (Part27Q)	Left cheek	0.865	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.561	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	1.160	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.575	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046



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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

Report No.: SZCR231200401913

Page: 113 of 139

DC_66A_n77A (Part27O)	Left cheek	0.747	0.334	0.092	0.009	0.275	0.066	0.261	0.075	0.014	0.111
	Left tilted	0.494	0.221	0.081	0.004	0.243	0.050	0.252	0.050	0.012	0.067
	Right cheek	0.984	0.216	0.106	0.019	0.203	0.092	0.244	0.057	0.016	0.052
	Right tilted	0.518	0.144	0.011	0.011	0.174	0.073	0.236	0.032	0.002	0.046

Test position (ENDC)		Summed SAR									
		1+2+9	1+3+8	1+2+6	1+3+5	1+4+7	1+4+10	1+5+9	1+6+8	1+7+8+9	1+8+9+10
DC_12A_n25A (DC_12A_n2A)	Left cheek	0.848	0.667	0.900	0.867	0.770	0.620	0.789	0.641	0.850	0.700
	Left tilted	0.579	0.477	0.617	0.670	0.602	0.417	0.601	0.446	0.660	0.475
	Right cheek	0.834	0.765	0.910	0.911	0.865	0.673	0.821	0.751	0.919	0.727
	Right tilted	0.542	0.439	0.613	0.581	0.643	0.453	0.572	0.501	0.666	0.476
DC_12A_n66A	Left cheek	0.841	0.660	0.893	0.860	0.763	0.613	0.782	0.634	0.843	0.693
	Left tilted	0.585	0.483	0.623	0.676	0.608	0.423	0.607	0.452	0.666	0.481
	Right cheek	0.823	0.754	0.899	0.900	0.854	0.662	0.810	0.740	0.908	0.716
	Right tilted	0.542	0.439	0.613	0.581	0.643	0.453	0.572	0.501	0.666	0.476
DC_12A_n77A (Part27Q)	Left cheek	1.247	1.066	1.299	1.266	1.169	1.019	1.188	1.040	1.249	1.099
	Left tilted	0.792	0.690	0.830	0.883	0.815	0.630	0.814	0.659	0.873	0.688
	Right cheek	1.432	1.363	1.508	1.509	1.463	1.271	1.419	1.349	1.517	1.325
	Right tilted	0.725	0.622	0.796	0.764	0.826	0.636	0.755	0.684	0.849	0.659
DC_12A_n77A (Part27O)	Left cheek	1.129	0.948	1.181	1.148	1.051	0.901	1.070	0.922	1.131	0.981
	Left tilted	0.725	0.623	0.763	0.816	0.748	0.563	0.747	0.592	0.806	0.621
	Right cheek	1.256	1.187	1.332	1.333	1.287	1.095	1.243	1.173	1.341	1.149
	Right tilted	0.668	0.565	0.739	0.707	0.769	0.579	0.698	0.627	0.792	0.602
DC_13A_n2A	Left cheek	0.786	0.605	0.838	0.805	0.708	0.558	0.727	0.579	0.788	0.638
	Left tilted	0.522	0.420	0.560	0.613	0.545	0.360	0.544	0.389	0.603	0.418
	Right cheek	0.768	0.699	0.844	0.845	0.799	0.607	0.755	0.685	0.853	0.661
	Right tilted	0.461	0.358	0.532	0.500	0.562	0.372	0.491	0.420	0.585	0.395
DC_13A_n66A	Left cheek	0.779	0.598	0.831	0.798	0.701	0.551	0.720	0.572	0.781	0.631
	Left tilted	0.528	0.426	0.566	0.619	0.551	0.366	0.550	0.395	0.609	0.424
	Right cheek	0.757	0.688	0.833	0.834	0.788	0.596	0.744	0.674	0.842	0.650
	Right tilted	0.461	0.358	0.532	0.500	0.562	0.372	0.491	0.420	0.585	0.395
DC_13A_n77A (Part27Q)	Left cheek	1.185	1.004	1.237	1.204	1.107	0.957	1.126	0.978	1.187	1.037
	Left tilted	0.735	0.633	0.773	0.826	0.758	0.573	0.757	0.602	0.816	0.631
	Right cheek	1.366	1.297	1.442	1.443	1.397	1.205	1.353	1.283	1.451	1.259
	Right tilted	0.644	0.541	0.715	0.683	0.745	0.555	0.674	0.603	0.768	0.578
DC_13A_n77A (Part27O)	Left cheek	1.067	0.886	1.119	1.086	0.989	0.839	1.008	0.860	1.069	0.919
	Left tilted	0.668	0.566	0.706	0.759	0.691	0.506	0.690	0.535	0.749	0.564
	Right cheek	1.190	1.121	1.266	1.267	1.221	1.029	1.177	1.107	1.275	1.083
	Right tilted	0.587	0.484	0.658	0.626	0.688	0.498	0.617	0.546	0.711	0.521
DC_14A_n2A	Left cheek	0.730	0.549	0.782	0.749	0.652	0.502	0.671	0.523	0.732	0.582
	Left tilted	0.503	0.401	0.541	0.594	0.526	0.341	0.525	0.370	0.584	0.399
	Right cheek	0.765	0.696	0.841	0.842	0.796	0.604	0.752	0.682	0.850	0.658
	Right tilted	0.488	0.385	0.559	0.527	0.589	0.399	0.518	0.447	0.612	0.422
DC_14A_n66A	Left cheek	0.723	0.542	0.775	0.742	0.645	0.495	0.664	0.516	0.725	0.575
	Left tilted	0.509	0.407	0.547	0.600	0.532	0.347	0.531	0.376	0.590	0.405
	Right cheek	0.754	0.685	0.830	0.831	0.785	0.593	0.741	0.671	0.839	0.647
	Right tilted	0.488	0.385	0.559	0.527	0.589	0.399	0.518	0.447	0.612	0.422
DC_14A_n77A (Part27Q)	Left cheek	1.129	0.948	1.181	1.148	1.051	0.901	1.070	0.922	1.131	0.981
	Left tilted	0.716	0.614	0.754	0.807	0.739	0.554	0.738	0.583	0.797	0.612
	Right cheek	1.363	1.294	1.439	1.440	1.394	1.202	1.350	1.280	1.448	1.256
	Right tilted	0.671	0.568	0.742	0.710	0.772	0.582	0.701	0.630	0.795	0.605
DC_14A_n77A (Part27O)	Left cheek	1.011	0.830	1.063	1.030	0.933	0.783	0.952	0.804	1.013	0.863
	Left tilted	0.649	0.547	0.687	0.740	0.672	0.487	0.671	0.516	0.730	0.545
	Right cheek	1.187	1.118	1.263	1.264	1.218	1.026	1.174	1.104	1.272	1.080
	Right tilted	0.614	0.511	0.685	0.653	0.715	0.525	0.644	0.573	0.738	0.548
DC_2A_n41A	Left cheek	1.156	0.975	1.208	1.175	1.078	0.928	1.097	0.949	1.158	1.008
	Left tilted	0.975	0.873	1.013	1.066	0.998	0.813	0.997	0.842	1.056	0.871
	Right cheek	1.310	1.241	1.386	1.387	1.341	1.149	1.297	1.227	1.395	1.203
	Right tilted	1.081	0.978	1.152	1.120	1.182	0.992	1.111	1.040	1.205	1.015
DC_2A_n48A	Left cheek	1.167	0.986	1.219	1.186	1.089	0.939	1.108	0.960	1.169	1.019
	Left tilted	0.821	0.719	0.859	0.912	0.844	0.659	0.843	0.688	0.902	0.717
	Right cheek	1.359	1.290	1.435	1.436	1.390	1.198	1.346	1.276	1.444	1.252
	Right tilted	0.822	0.719	0.893	0.861	0.923	0.733	0.852	0.781	0.946	0.756
DC_2A_n5A	Left cheek	0.726	0.545	0.778	0.745	0.648	0.498	0.667	0.519	0.728	0.578



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

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

Report No.: SZCR231200401913

Page: 114 of 139

	Left tilted	0.530	0.428	0.568	0.621	0.553	0.368	0.552	0.397	0.611	0.426
	Right cheek	0.770	0.701	0.846	0.847	0.801	0.609	0.757	0.687	0.855	0.663
	Right tilted	0.523	0.420	0.594	0.562	0.624	0.434	0.553	0.482	0.647	0.457
DC_2A_n66A	Left cheek	0.764	0.583	0.816	0.783	0.686	0.536	0.705	0.557	0.766	0.616
	Left tilted	0.636	0.534	0.674	0.727	0.659	0.474	0.658	0.503	0.717	0.532
	Right cheek	0.763	0.694	0.839	0.840	0.794	0.602	0.750	0.680	0.848	0.656
	Right tilted	0.654	0.551	0.725	0.693	0.755	0.565	0.684	0.613	0.778	0.588
DC_2A_n71A	Left cheek	0.433	0.252	0.485	0.452	0.355	0.205	0.374	0.226	0.435	0.285
	Left tilted	0.327	0.225	0.365	0.418	0.350	0.165	0.349	0.194	0.408	0.223
	Right cheek	0.348	0.279	0.424	0.425	0.379	0.187	0.335	0.265	0.433	0.241
	Right tilted	0.222	0.119	0.293	0.261	0.323	0.133	0.252	0.181	0.346	0.156
DC_48A_n25A	Left cheek	1.441	1.260	1.493	1.460	1.363	1.213	1.382	1.234	1.443	1.293
	Left tilted	0.953	0.851	0.991	1.044	0.976	0.791	0.975	0.820	1.034	0.849
	Right cheek	1.490	1.421	1.566	1.567	1.521	1.329	1.477	1.407	1.575	1.383
	Right tilted	1.014	0.911	1.085	1.053	1.115	0.925	1.044	0.973	1.138	0.948
DC_48A_n5A	Left cheek	0.957	0.776	1.009	0.976	0.879	0.729	0.898	0.750	0.959	0.809
	Left tilted	0.638	0.536	0.676	0.729	0.661	0.476	0.660	0.505	0.719	0.534
	Right cheek	1.118	1.049	1.194	1.195	1.149	0.957	1.105	1.035	1.203	1.011
	Right tilted	0.617	0.514	0.688	0.656	0.718	0.528	0.647	0.576	0.741	0.551
DC_48A_n66A	Left cheek	0.864	0.683	0.916	0.883	0.786	0.636	0.805	0.657	0.866	0.716
	Left tilted	0.599	0.497	0.637	0.690	0.622	0.437	0.621	0.466	0.680	0.495
	Right cheek	1.096	1.027	1.172	1.173	1.127	0.935	1.083	1.013	1.181	0.989
	Right tilted	0.731	0.628	0.802	0.770	0.832	0.642	0.761	0.690	0.855	0.665
DC_5A_n2A	Left cheek	0.814	0.633	0.866	0.833	0.736	0.586	0.755	0.607	0.816	0.666
	Left tilted	0.581	0.479	0.619	0.672	0.604	0.419	0.603	0.448	0.662	0.477
	Right cheek	0.794	0.725	0.870	0.871	0.825	0.633	0.781	0.711	0.879	0.687
	Right tilted	0.538	0.435	0.609	0.577	0.639	0.449	0.568	0.497	0.662	0.472
DC_5A_n66A	Left cheek	0.807	0.626	0.859	0.826	0.729	0.579	0.748	0.600	0.809	0.659
	Left tilted	0.587	0.485	0.625	0.678	0.610	0.425	0.609	0.454	0.668	0.483
	Right cheek	0.783	0.714	0.859	0.860	0.814	0.622	0.770	0.700	0.868	0.676
	Right tilted	0.538	0.435	0.609	0.577	0.639	0.449	0.568	0.497	0.662	0.472
DC_5A_n77A (Part27Q)	Left cheek	1.213	1.032	1.265	1.232	1.135	0.985	1.154	1.006	1.215	1.065
	Left tilted	0.794	0.692	0.832	0.885	0.817	0.632	0.816	0.661	0.875	0.690
	Right cheek	1.392	1.323	1.468	1.469	1.423	1.231	1.379	1.309	1.477	1.285
	Right tilted	0.721	0.618	0.792	0.760	0.822	0.632	0.751	0.680	0.845	0.655
DC_5A_n77A (Part27O)	Left cheek	1.095	0.914	1.147	1.114	1.017	0.867	1.036	0.888	1.097	0.947
	Left tilted	0.727	0.625	0.765	0.818	0.750	0.565	0.749	0.594	0.808	0.623
	Right cheek	1.216	1.147	1.292	1.293	1.247	1.055	1.203	1.133	1.301	1.109
	Right tilted	0.664	0.561	0.735	0.703	0.765	0.575	0.694	0.623	0.788	0.598
DC_66A_n25A (DC_66A_n2A)	Left cheek	1.210	1.029	1.262	1.229	1.132	0.982	1.151	1.003	1.212	1.062
	Left tilted	0.845	0.743	0.883	0.936	0.868	0.683	0.867	0.712	0.926	0.741
	Right cheek	1.142	1.073	1.218	1.219	1.173	0.981	1.129	1.059	1.227	1.035
	Right tilted	0.920	0.817	0.991	0.959	1.021	0.831	0.950	0.879	1.044	0.854
DC_66A_n48A	Left cheek	1.127	0.946	1.179	1.146	1.049	0.899	1.068	0.920	1.129	0.979
	Left tilted	0.757	0.655	0.795	0.848	0.780	0.595	0.779	0.624	0.838	0.653
	Right cheek	1.503	1.434	1.579	1.580	1.534	1.342	1.490	1.420	1.588	1.396
	Right tilted	0.950	0.847	1.021	0.989	1.051	0.861	0.980	0.909	1.074	0.884
DC_66A_n5A	Left cheek	0.726	0.545	0.778	0.745	0.648	0.498	0.667	0.519	0.728	0.578
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