



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 73 of 130

8.2.5 SAR Result of WCDMA Band V

WCDMA Band V SAR Test Record										
Ant 0 Test Record										
Test position	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										
Left cheek	RMC	4182/836.4	1:1	0.130	-0.09	23.93	25.00	1.279	0.166	22.4
Left tilted	RMC	4182/836.4	1:1	0.065	-0.15	23.93	25.00	1.279	0.083	22.4
Right cheek	RMC	4182/836.4	1:1	0.168	-0.13	23.93	25.00	1.279	0.215	22.4
Right tilted	RMC	4182/836.4	1:1	0.095	0.12	23.93	25.00	1.279	0.122	22.4
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.162	-0.13	23.93	25.00	1.279	0.207	23.0
Back side	RMC	4182/836.4	1:1	0.191	0.11	23.93	25.00	1.279	0.244	23.0
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.103	-0.16	20.98	22.00	1.265	0.130	23.0
Back side	RMC	4182/836.4	1:1	0.122	0.05	20.98	22.00	1.265	0.154	23.0
Rightt side	RMC	4182/836.4	1:1	0.092	0.06	20.98	22.00	1.265	0.116	23.0
Bottom side	RMC	4182/836.4	1:1	0.087	-0.01	20.98	22.00	1.265	0.110	23.0
Ant 1 Test Record										
Test position	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										
Left cheek	RMC	4182/836.4	1:1	0.317	0.09	22.37	23.50	1.297	0.411	22.4
Left tilted	RMC	4182/836.4	1:1	0.332	0.03	22.37	23.50	1.297	0.431	22.4
Right cheek	RMC	4182/836.4	1:1	0.401	0.08	22.37	23.50	1.297	0.520	22.4
Right tilted	RMC	4182/836.4	1:1	0.321	-0.12	22.37	23.50	1.297	0.416	22.4
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.069	0.04	22.37	23.50	1.297	0.090	23.0
Back side	RMC	4182/836.4	1:1	0.092	0.06	22.37	23.50	1.297	0.119	23.0
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.059	0.07	19.46	20.50	1.271	0.075	23.0
Back side	RMC	4182/836.4	1:1	0.084	-0.02	19.46	20.50	1.271	0.107	23.0
Left side	RMC	4182/836.4	1:1	0.000	0.05	19.46	20.50	1.271	0.000	23.0
Top side	RMC	4182/836.4	1:1	0.093	0.05	19.46	20.50	1.271	0.118	23.0

Table 14: SAR of WCDMA Band V for Head, Body and Hotspot.

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 74 of 130

8.2.6 SAR Result of LTE Band 2

LTE Band 2 SAR Test Record											
Ant 1 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)											
Left cheek	20	QPSK 1_0	18900/1880	1:1	0.360	0.04	17.30	18.00	1.175	0.423	22.7
Left tilted	20	QPSK 1_0	18900/1880	1:1	0.467	0.03	17.30	18.00	1.175	0.549	22.7
Right cheek	20	QPSK 1_0	18900/1880	1:1	0.573	0.06	17.30	18.00	1.175	0.673	22.7
Right tilted	20	QPSK 1_0	18900/1880	1:1	0.674	0.02	17.30	18.00	1.175	0.792	22.7
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	18900/1880	1:1	0.382	0.06	17.24	18.00	1.191	0.455	22.7
Left tilted	20	QPSK 50_0	18900/1880	1:1	0.463	0.02	17.24	18.00	1.191	0.552	22.7
Right cheek	20	QPSK 50_0	18900/1880	1:1	0.615	0.08	17.24	18.00	1.191	0.733	22.7
Right tilted	20	QPSK 50_0	18900/1880	1:1	0.746	0.03	17.24	18.00	1.191	0.889	22.7
Right tilted	20	QPSK 50_0	18700/1860	1:1	0.639	0.08	17.23	18.00	1.194	0.763	22.7
Right tilted	20	QPSK 50_0	19100/1900	1:1	0.676	0.05	17.17	18.00	1.211	0.818	22.7
Head Test Data(100%RB)											
Right tilted	20	QPSK 100_0	18900/1880	1:1	0.678	0.01	17.18	18.00	1.208	0.819	22.7
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	18900/1880	1:1	0.140	0.10	20.84	21.50	1.164	0.163	22.8
Back side	20	QPSK 1_0	18900/1880	1:1	0.254	-0.01	20.84	21.50	1.164	0.296	22.8
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	18900/1880	1:1	0.151	0.08	20.78	21.50	1.180	0.178	22.8
Back side	20	QPSK 50_0	18900/1880	1:1	0.262	0.02	20.78	21.50	1.180	0.309	22.8
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	18900/1880	1:1	0.094	0.07	16.04	16.50	1.112	0.105	22.8
Back side	20	QPSK 1_0	18900/1880	1:1	0.170	-0.02	16.04	16.50	1.112	0.189	22.8
Left side	20	QPSK 1_0	18900/1880	1:1	0.000	0.09	16.04	16.50	1.112	0.000	22.8
Top side	20	QPSK 1_0	18900/1880	1:1	0.227	0.08	16.04	16.50	1.112	0.252	22.8
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	18900/1880	1:1	0.106	0.11	15.96	16.50	1.132	0.120	22.8
Back side	20	QPSK 50_0	18900/1880	1:1	0.186	0.01	15.96	16.50	1.132	0.211	22.8
Left side	20	QPSK 50_0	18900/1880	1:1	0.000	0.05	15.96	16.50	1.132	0.000	22.8
Top side	20	QPSK 50_0	18900/1880	1:1	0.251	0.04	15.96	16.50	1.132	0.284	22.8
Ant 3 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)											
Left cheek	20	QPSK 1_0	18900/1880	1:1	0.131	0.06	23.61	24.50	1.227	0.161	22.7
Left tilted	20	QPSK 1_0	18900/1880	1:1	0.095	0.05	23.61	24.50	1.227	0.117	22.7
Right cheek	20	QPSK 1_0	18900/1880	1:1	0.103	0.07	23.61	24.50	1.227	0.126	22.7
Right tilted	20	QPSK 1_0	18900/1880	1:1	0.064	0.02	23.61	24.50	1.227	0.079	22.7

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 75 of 130

Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	18900/1880	1:1	0.108	0.11	22.66	23.50	1.213	0.131	22.7
Left tilted	20	QPSK 50_0	18900/1880	1:1	0.073	0.01	22.66	23.50	1.213	0.089	22.7
Right cheek	20	QPSK 50_0	18900/1880	1:1	0.086	0.04	22.66	23.50	1.213	0.104	22.7
Right tilted	20	QPSK 50_0	18900/1880	1:1	0.064	-0.01	22.66	23.50	1.213	0.078	22.7
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	18900/1880	1:1	0.211	0.08	23.61	24.50	1.227	0.259	22.8
Back side	20	QPSK 1_0	18900/1880	1:1	0.228	-0.02	23.61	24.50	1.227	0.280	22.8
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	18900/1880	1:1	0.223	0.05	22.66	23.50	1.213	0.271	22.8
Back side	20	QPSK 50_0	18900/1880	1:1	0.236	0.05	22.66	23.50	1.213	0.286	22.8
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	18900/1880	1:1	0.151	0.10	18.75	19.50	1.189	0.179	22.8
Back side	20	QPSK 1_0	18900/1880	1:1	0.168	0.00	18.75	19.50	1.189	0.200	22.8
Left side	20	QPSK 1_0	18900/1880	1:1	0.054	0.11	18.75	19.50	1.189	0.064	22.8
Rightt side	20	QPSK 1_0	18900/1880	1:1	0.033	0.06	18.75	19.50	1.189	0.039	22.8
Bottom side	20	QPSK 1_0	18900/1880	1:1	0.223	0.01	18.75	19.50	1.189	0.265	22.8
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	18900/1880	1:1	0.163	0.07	18.71	19.50	1.199	0.196	22.8
Back side	20	QPSK 50_0	18900/1880	1:1	0.176	-0.01	18.71	19.50	1.199	0.211	22.8
Left side	20	QPSK 50_0	18900/1880	1:1	0.056	0.08	18.71	19.50	1.199	0.067	22.8
Rightt side	20	QPSK 50_0	18900/1880	1:1	0.044	0.10	18.71	19.50	1.199	0.053	22.8
Bottom side	20	QPSK 50_0	18900/1880	1:1	0.228	0.03	18.71	19.50	1.199	0.273	22.8
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)											
Left cheek	20	QPSK 1_0	18900/1880	1:1	0.319	0.09	21.83	22.70	1.222	0.390	22.7
Left tilted	20	QPSK 1_0	18900/1880	1:1	0.104	0.05	21.83	22.70	1.222	0.127	22.7
Right cheek	20	QPSK 1_0	18900/1880	1:1	0.670	0.11	21.83	22.70	1.222	0.819	22.7
Right tilted	20	QPSK 1_0	18900/1880	1:1	0.155	0.02	21.83	22.70	1.222	0.189	22.7
Right cheek	20	QPSK 1_0	18700/1860	1:1	0.634	0.01	21.67	22.70	1.268	0.804	22.7
Right cheek	20	QPSK 1_0	19100/1900	1:1	0.647	0.06	21.50	22.70	1.318	0.853	22.7
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	18900/1880	1:1	0.332	0.10	21.63	22.70	1.279	0.425	22.7
Left tilted	20	QPSK 50_0	18900/1880	1:1	0.119	0.05	21.63	22.70	1.279	0.152	22.7
Right cheek	20	QPSK 50_0	18900/1880	1:1	0.663	0.11	21.63	22.70	1.279	0.848	22.7
Right tilted	20	QPSK 50_0	18900/1880	1:1	0.160	0.02	21.63	22.70	1.279	0.205	22.7
Right cheek	20	QPSK 50_0	18700/1860	1:1	0.674	-0.02	21.54	22.70	1.306	0.880	22.7
Right cheek	20	QPSK 50_0	19100/1900	1:1	0.635	0.12	21.57	22.70	1.297	0.824	22.7
Head Test Data(100%RB)											
Right cheek	20	QPSK 100_0	18900/1880	1:1	0.656	0.09	21.61	22.70	1.285	0.843	22.7
Body worn Test data(Separate 15mm 1RB)											

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Report No.: SUCR241200055201

Rev.: 01

Page: 76 of 130

Front side	20	QPSK 1_0	18900/1880	1:1	0.075	0.06	21.83	22.70	1.222	0.092	22.8
Back side	20	QPSK 1_0	18900/1880	1:1	0.114	-0.01	21.83	22.70	1.222	0.139	22.8
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	18900/1880	1:1	0.077	0.09	21.63	22.70	1.279	0.099	22.8
Back side	20	QPSK 50_0	18900/1880	1:1	0.127	-0.01	21.63	22.70	1.279	0.162	22.8
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	18900/1880	1:1	0.044	0.07	16.74	17.70	1.247	0.055	22.8
Back side	20	QPSK 1_0	18900/1880	1:1	0.079	0.03	16.74	17.70	1.247	0.099	22.8
Left side	20	QPSK 1_0	18900/1880	1:1	0.126	0.11	16.74	17.70	1.247	0.157	22.8
Top side	20	QPSK 1_0	18900/1880	1:1	0.038	0.02	16.74	17.70	1.247	0.047	22.8
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	18900/1880	1:1	0.051	0.12	16.57	17.70	1.297	0.066	22.8
Back side	20	QPSK 50_0	18900/1880	1:1	0.088	0.04	16.57	17.70	1.297	0.114	22.8
Left side	20	QPSK 50_0	18900/1880	1:1	0.130	0.09	16.57	17.70	1.297	0.169	22.8
Top side	20	QPSK 50_0	18900/1880	1:1	0.039	0.03	16.57	17.70	1.297	0.051	22.8

Table 15: SAR of LTE Band 2 for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 77 of 130

8.2.7 SAR Result of LTE Band 7

LTE Band 7 SAR Test Record											
Ant 1 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)											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.183	0.10	18.78	19.70	1.236	0.226	22.5
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.246	0.10	18.78	19.70	1.236	0.304	22.5
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.627	0.11	18.78	19.70	1.236	0.775	22.5
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.738	-0.11	18.78	19.70	1.236	0.912	22.5
Right tilted	20	QPSK 50_0	20850/2510	1:1	0.729	0.05	18.69	19.70	1.262	0.920	22.5
Right tilted	20	QPSK 50_0	21350/2560	1:1	0.715	0.07	18.74	19.70	1.247	0.892	22.5
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.190	0.10	18.78	19.70	1.236	0.235	22.5
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.251	-0.12	18.78	19.70	1.236	0.310	22.5
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.632	0.10	18.78	19.70	1.236	0.781	22.5
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.748	-0.13	18.78	19.70	1.236	0.924	22.5
Right tilted	20	QPSK 50_0	20850/2510	1:1	0.720	-0.03	18.63	19.70	1.279	0.921	22.5
Right tilted	20	QPSK 50_0	21350/2560	1:1	0.714	0.06	18.69	19.70	1.262	0.901	22.5
Right tilted UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.728	0.02	18.61	19.70	1.285	0.936	22.5
Head Test Data(100%RB)											
Right tilted	20	QPSK 100_0	21100/2535	1:1	0.700	0.03	18.59	19.70	1.291	0.904	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.088	-0.01	21.26	22.20	1.242	0.109	23.2
Back side	20	QPSK 1_0	21100/2535	1:1	0.121	0.06	21.26	22.20	1.242	0.150	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.089	0.04	21.21	22.20	1.256	0.112	23.2
Back side	20	QPSK 50_0	21100/2535	1:1	0.123	0.11	21.21	22.20	1.256	0.154	23.2
Back side UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.115	0.06	21.07	22.20	1.297	0.149	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.061	0.04	16.26	17.20	1.242	0.076	23.2
Back side	20	QPSK 1_0	21100/2535	1:1	0.088	0.09	16.26	17.20	1.242	0.109	23.2
Left side	20	QPSK 1_0	21100/2535	1:1	0.053	0.04	16.26	17.20	1.242	0.066	23.2
Top side	20	QPSK 1_0	21100/2535	1:1	0.150	0.12	16.26	17.20	1.242	0.186	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.066	0.02	16.16	17.20	1.271	0.084	23.2
Back side	20	QPSK 50_0	21100/2535	1:1	0.093	0.09	16.16	17.20	1.271	0.118	23.2
Left side	20	QPSK 50_0	21100/2535	1:1	0.059	0.01	16.16	17.20	1.271	0.075	23.2
Top side	20	QPSK 50_0	21100/2535	1:1	0.152	0.11	16.16	17.20	1.271	0.193	23.2
Top side UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.139	0.03	16.07	17.20	1.297	0.180	23.2
Ant 3 Test Record											

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 78 of 130

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)											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.227	0.00	22.92	24.20	1.343	0.305	22.5
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.091	0.12	22.92	24.20	1.343	0.122	22.5
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.138	-0.02	22.92	24.20	1.343	0.185	22.5
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.110	0.06	22.92	24.20	1.343	0.148	22.5
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.236	0.01	21.97	23.20	1.327	0.313	22.5
Left cheek UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.224	0.09	21.79	23.20	1.384	0.310	22.5
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.098	0.12	21.97	23.20	1.327	0.130	22.5
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.147	-0.01	21.97	23.20	1.327	0.195	22.5
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.127	0.10	21.97	23.20	1.327	0.169	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.238	-0.02	21.46	22.50	1.271	0.302	23.2
Back side	20	QPSK 1_0	21100/2535	1:1	0.270	0.09	21.46	22.50	1.271	0.343	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.247	0.00	21.45	22.50	1.274	0.315	23.2
Back side	20	QPSK 50_0	21100/2535	1:1	0.286	0.12	21.45	22.50	1.274	0.364	23.2
Back side UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.272	0.04	21.38	22.50	1.294	0.352	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.152	0.03	16.41	17.50	1.285	0.195	23.2
Back side	20	QPSK 1_0	21100/2535	1:1	0.172	0.07	16.41	17.50	1.285	0.221	23.2
Left side	20	QPSK 1_0	21100/2535	1:1	0.065	0.01	16.41	17.50	1.285	0.084	23.2
Rightt side	20	QPSK 1_0	21100/2535	1:1	0.094	0.04	16.41	17.50	1.285	0.121	23.2
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.213	0.12	16.41	17.50	1.285	0.274	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.161	-0.01	16.37	17.50	1.297	0.209	23.2
Back side	20	QPSK 50_0	21100/2535	1:1	0.180	-0.03	16.37	17.50	1.297	0.233	23.2
Left side	20	QPSK 50_0	21100/2535	1:1	0.070	0.11	16.37	17.50	1.297	0.091	23.2
Rightt side	20	QPSK 50_0	21100/2535	1:1	0.095	0.00	16.37	17.50	1.297	0.123	23.2
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.219	0.12	16.37	17.50	1.297	0.284	23.2
Bottom side UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.214	0.07	16.25	17.50	1.334	0.285	23.2
Ant 5 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)											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.080	0.08	18.42	19.70	1.343	0.107	22.5
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.126	0.14	18.42	19.70	1.343	0.169	22.5
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.258	0.11	18.42	19.70	1.343	0.346	22.5
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.217	0.02	18.42	19.70	1.343	0.291	22.5
Head Test Data(50%RB)											

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 79 of 130

Left cheek	20	QPSK 50_0	21100/2535	1:1	0.082	0.08	18.41	19.70	1.346	0.110	22.5
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.145	-0.02	18.41	19.70	1.346	0.195	22.5
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.287	0.14	18.41	19.70	1.346	0.386	22.5
Right cheek UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.259	0.06	18.33	19.70	1.371	0.355	22.5
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.240	0.06	18.41	19.70	1.346	0.323	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.052	0.10	20.95	22.20	1.334	0.069	23.2
Back side	20	QPSK 1_0	21100/2535	1:1	0.115	0.10	20.95	22.20	1.334	0.153	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.060	0.07	20.87	22.20	1.358	0.081	23.2
Back side	20	QPSK 50_0	21100/2535	1:1	0.122	0.08	20.87	22.20	1.358	0.166	23.2
Back side UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.107	0.02	20.75	22.20	1.396	0.149	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.058	0.13	16.09	17.20	1.291	0.075	23.2
Back side	20	QPSK 1_0	21100/2535	1:1	0.134	0.00	16.09	17.20	1.291	0.173	23.2
Left side	20	QPSK 1_0	21100/2535	1:1	0.149	0.07	16.09	17.20	1.291	0.192	23.2
Top side	20	QPSK 1_0	21100/2535	1:1	0.063	0.11	16.09	17.20	1.291	0.081	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.069	0.18	16.04	17.20	1.306	0.090	23.2
Back side	20	QPSK 50_0	21100/2535	1:1	0.146	0.14	16.04	17.20	1.306	0.191	23.2
Left side	20	QPSK 50_0	21100/2535	1:1	0.163	0.10	16.04	17.20	1.306	0.213	23.2
Left side UL CA	20	QPSK 50_0	21100/2535+20902/2515.2	1:1	0.155	0.06	15.94	17.20	1.337	0.207	23.2
Top side	20	QPSK 50_0	21100/2535	1:1	0.071	0.02	16.04	17.20	1.306	0.093	23.2

Table 16: SAR of LTE Band 7 for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 80 of 130

8.2.8 SAR Result of LTE Band 12

LTE Band 12 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)											
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.050	0.02	23.96	25.00	1.271	0.064	22.8
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.000	0.09	23.96	25.00	1.271	0.000	22.8
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.056	0.02	23.96	25.00	1.271	0.071	22.8
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.000	0.07	23.96	25.00	1.271	0.000	22.8
Head Test Data(50%RB)											
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.042	-0.02	22.89	24.00	1.291	0.054	22.8
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.000	0.12	22.89	24.00	1.291	0.000	22.8
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.057	0.05	22.89	24.00	1.291	0.074	22.8
Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.000	0.09	22.89	24.00	1.291	0.000	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.066	0.00	23.96	25.00	1.271	0.084	22.7
Back side	10	QPSK 1_0	23095/707.5	1:1	0.083	0.06	23.96	25.00	1.271	0.105	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.071	0.02	22.89	24.00	1.291	0.092	22.7
Back side	10	QPSK 25_0	23095/707.5	1:1	0.088	0.11	22.89	24.00	1.291	0.114	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.052	0.00	21.12	22.00	1.225	0.064	22.7
Back side	10	QPSK 1_0	23095/707.5	1:1	0.059	0.09	21.12	22.00	1.225	0.072	22.7
Righttt side	10	QPSK 1_0	23095/707.5	1:1	0.045	0.02	21.12	22.00	1.225	0.055	22.7
Bottom side	10	QPSK 1_0	23095/707.5	1:1	0.037	0.09	21.12	22.00	1.225	0.045	22.7
Hotspot Test data(Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.059	0.02	20.93	22.00	1.279	0.075	22.7
Back side	10	QPSK 25_0	23095/707.5	1:1	0.066	0.12	20.93	22.00	1.279	0.084	22.7
Righttt side	10	QPSK 25_0	23095/707.5	1:1	0.052	-0.01	20.93	22.00	1.279	0.067	22.7
Bottom side	10	QPSK 25_0	23095/707.5	1:1	0.044	0.13	20.93	22.00	1.279	0.056	22.7
Ant 1 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)											
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.188	0.03	20.71	22.00	1.346	0.253	22.8
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.202	0.09	20.71	22.00	1.346	0.272	22.8
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.210	-0.01	20.71	22.00	1.346	0.283	22.8
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.241	0.11	20.71	22.00	1.346	0.324	22.8
Head Test Data(50%RB)											
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.189	0.02	20.68	22.00	1.355	0.256	22.8
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.208	0.05	20.68	22.00	1.355	0.282	22.8
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.220	0.06	20.68	22.00	1.355	0.298	22.8

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Report No.: SUCR241200055201

Rev.: 01

Page: 81 of 130

Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.245	-0.05	20.68	22.00	1.355	0.332	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.065	-0.02	20.71	22.00	1.346	0.087	22.7
Back side	10	QPSK 1_0	23095/707.5	1:1	0.077	0.09	20.71	22.00	1.346	0.104	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.070	0.02	20.68	22.00	1.355	0.095	22.7
Back side	10	QPSK 25_0	23095/707.5	1:1	0.082	0.08	20.68	22.00	1.355	0.111	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.000	-0.01	20.71	22.00	1.346	0.000	22.7
Back side	10	QPSK 1_0	23095/707.5	1:1	0.000	0.06	20.71	22.00	1.346	0.000	22.7
Left side	10	QPSK 1_0	23095/707.5	1:1	0.000	-0.01	20.71	22.00	1.346	0.000	22.7
Top side	10	QPSK 1_0	23095/707.5	1:1	0.000	0.07	20.71	22.00	1.346	0.000	22.7
Hotspot Test data(Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.000	-0.02	20.68	22.00	1.355	0.000	22.7
Back side	10	QPSK 25_0	23095/707.5	1:1	0.009	0.06	20.68	22.00	1.355	0.012	22.7
Left side	10	QPSK 25_0	23095/707.5	1:1	0.000	0.01	20.68	22.00	1.355	0.000	22.7
Top side	10	QPSK 25_0	23095/707.5	1:1	0.000	0.02	20.68	22.00	1.355	0.000	22.7

Table 17: SAR of LTE Band 12 for Head, Body and Hotspot is covering LTE Band 17.

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Report No.: SUCR241200055201

Rev.: 01

Page: 82 of 130

8.2.9 SAR Result of LTE Band 13

LTE Band 13 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)											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.055	0.08	23.99	25.00	1.262	0.069	22.8
Left tilted	10	QPSK 1_0	23230/782	1:1	0.000	-0.10	23.99	25.00	1.262	0.000	22.8
Right cheek	10	QPSK 1_0	23230/782	1:1	0.053	0.06	23.99	25.00	1.262	0.067	22.8
Right tilted	10	QPSK 1_0	23230/782	1:1	0.000	-0.15	23.99	25.00	1.262	0.000	22.8
Head Test Data(50%RB)											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.054	0.05	22.92	24.00	1.282	0.069	22.8
Left tilted	10	QPSK 25_0	23230/782	1:1	0.000	0.10	22.92	24.00	1.282	0.000	22.8
Right cheek	10	QPSK 25_0	23230/782	1:1	0.063	-0.15	22.92	24.00	1.282	0.081	22.8
Right tilted	10	QPSK 25_0	23230/782	1:1	0.000	0.02	22.92	24.00	1.282	0.000	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.057	0.09	23.99	25.00	1.262	0.072	22.7
Back side	10	QPSK 1_0	23230/782	1:1	0.073	-0.14	23.99	25.00	1.262	0.092	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.063	-0.02	22.92	24.00	1.282	0.081	22.7
Back side	10	QPSK 25_0	23230/782	1:1	0.088	0.10	22.92	24.00	1.282	0.113	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.000	0.01	21.10	22.00	1.230	0.000	22.7
Back side	10	QPSK 1_0	23230/782	1:1	0.048	0.03	21.10	22.00	1.230	0.059	22.7
Righttt side	10	QPSK 1_0	23230/782	1:1	0.000	-0.01	21.10	22.00	1.230	0.000	22.7
Bottom side	10	QPSK 1_0	23230/782	1:1	0.000	0.06	21.10	22.00	1.230	0.000	22.7
Hotspot Test data(Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.000	-0.01	20.91	22.00	1.285	0.000	22.7
Back side	10	QPSK 25_0	23230/782	1:1	0.055	0.10	20.91	22.00	1.285	0.071	22.7
Righttt side	10	QPSK 25_0	23230/782	1:1	0.000	0.03	20.91	22.00	1.285	0.000	22.7
Bottom side	10	QPSK 25_0	23230/782	1:1	0.000	0.07	20.91	22.00	1.285	0.000	22.7
Ant 1 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)											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.208	0.04	23.62	25.00	1.374	0.286	22.8
Left tilted	10	QPSK 1_0	23230/782	1:1	0.210	0.03	23.62	25.00	1.374	0.289	22.8
Right cheek	10	QPSK 1_0	23230/782	1:1	0.249	0.04	23.62	25.00	1.374	0.342	22.8
Right tilted	10	QPSK 1_0	23230/782	1:1	0.211	0.08	23.62	25.00	1.374	0.290	22.8
Head Test Data(50%RB)											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.211	-0.02	22.57	24.00	1.390	0.293	22.8
Left tilted	10	QPSK 25_0	23230/782	1:1	0.215	0.07	22.57	24.00	1.390	0.299	22.8
Right cheek	10	QPSK 25_0	23230/782	1:1	0.389	-0.01	22.57	24.00	1.390	0.541	22.8

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 83 of 130

Right tilted	10	QPSK 25_0	23230/782	1:1	0.216	0.11	22.57	24.00	1.390	0.300	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.082	0.05	23.62	25.00	1.374	0.113	22.7
Back side	10	QPSK 1_0	23230/782	1:1	0.098	0.05	23.62	25.00	1.374	0.135	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.085	0.02	22.57	24.00	1.390	0.118	22.7
Back side	10	QPSK 25_0	23230/782	1:1	0.106	0.08	22.57	24.00	1.390	0.147	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.000	-0.02	20.77	22.00	1.327	0.000	22.7
Back side	10	QPSK 1_0	23230/782	1:1	0.058	0.06	20.77	22.00	1.327	0.077	22.7
Left side	10	QPSK 1_0	23230/782	1:1	0.000	0.05	20.77	22.00	1.327	0.000	22.7
Top side	10	QPSK 1_0	23230/782	1:1	0.060	0.01	20.77	22.00	1.327	0.080	22.7
Hotspot Test data(Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.000	0.06	20.75	22.00	1.334	0.000	22.7
Back side	10	QPSK 25_0	23230/782	1:1	0.066	0.07	20.75	22.00	1.334	0.088	22.7
Left side	10	QPSK 25_0	23230/782	1:1	0.000	0.03	20.75	22.00	1.334	0.000	22.7
Top side	10	QPSK 25_0	23230/782	1:1	0.073	0.03	20.75	22.00	1.334	0.097	22.7

Table 18: SAR of LTE Band 13 for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 84 of 130

8.2.10 SAR Result of LTE Band 26

LTE Band 26 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)											
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.112	0.05	23.98	25.00	1.265	0.142	22.4
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.054	0.03	23.98	25.00	1.265	0.068	22.4
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.113	0.04	23.98	25.00	1.265	0.143	22.4
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.062	0.07	23.98	25.00	1.265	0.078	22.4
Head Test Data(50%RB)											
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.114	-0.01	22.87	24.00	1.297	0.148	22.4
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.060	0.08	22.87	24.00	1.297	0.078	22.4
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.128	0.02	22.87	24.00	1.297	0.166	22.4
Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.073	0.05	22.87	24.00	1.297	0.095	22.4
Body worn Test data(Separate 15mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.087	0.05	23.98	25.00	1.265	0.110	23.0
Back side	15	QPSK 1_0	26865/831.5	1:1	0.109	0.04	23.98	25.00	1.265	0.138	23.0
Body worn Test data(Separate 15mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.096	0.04	22.87	24.00	1.297	0.125	23.0
Back side	15	QPSK 36_0	26865/831.5	1:1	0.122	0.08	22.87	24.00	1.297	0.158	23.0
Hotspot Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.065	0.05	20.96	22.00	1.271	0.083	23.0
Back side	15	QPSK 1_0	26865/831.5	1:1	0.080	0.11	20.96	22.00	1.271	0.102	23.0
Righttt side	15	QPSK 1_0	26865/831.5	1:1	0.067	0.02	20.96	22.00	1.271	0.085	23.0
Bottom side	15	QPSK 1_0	26865/831.5	1:1	0.048	0.07	20.96	22.00	1.271	0.061	23.0
Hotspot Test data(Separate 10mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.071	0.04	20.80	22.00	1.318	0.094	23.0
Back side	15	QPSK 36_0	26865/831.5	1:1	0.088	0.03	20.80	22.00	1.318	0.116	23.0
Righttt side	15	QPSK 36_0	26865/831.5	1:1	0.070	0.06	20.80	22.00	1.318	0.092	23.0
Bottom side	15	QPSK 36_0	26865/831.5	1:1	0.053	0.10	20.80	22.00	1.318	0.070	23.0
Ant 1 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)											
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.437	-0.02	23.86	25.00	1.300	0.568	22.4
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.414	0.08	23.86	25.00	1.300	0.538	22.4
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.509	0.04	23.86	25.00	1.300	0.662	22.4
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.457	0.11	23.86	25.00	1.300	0.594	22.4
Head Test Data(50%RB)											
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.445	0.00	22.77	24.00	1.327	0.591	22.4
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.421	0.09	22.77	24.00	1.327	0.559	22.4
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.528	-0.01	22.77	24.00	1.327	0.701	22.4

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Report No.: SUCR241200055201

Rev.: 01

Page: 85 of 130

Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.449	0.05	22.77	24.00	1.327	0.596	22.4
Body worn Test data(Separate 15mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.066	0.03	23.86	25.00	1.300	0.086	23.0
Back side	15	QPSK 1_0	26865/831.5	1:1	0.086	0.09	23.86	25.00	1.300	0.112	23.0
Body worn Test data(Separate 15mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.078	0.00	22.77	24.00	1.327	0.104	23.0
Back side	15	QPSK 36_0	26865/831.5	1:1	0.097	0.11	22.77	24.00	1.327	0.129	23.0
Hotspot Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.059	0.03	20.99	22.00	1.262	0.074	23.0
Back side	15	QPSK 1_0	26865/831.5	1:1	0.083	0.10	20.99	22.00	1.262	0.105	23.0
Left side	15	QPSK 1_0	26865/831.5	1:1	0.000	0.05	20.99	22.00	1.262	0.000	23.0
Top side	15	QPSK 1_0	26865/831.5	1:1	0.093	0.07	20.99	22.00	1.262	0.117	23.0
Hotspot Test data(Separate 10mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.066	0.06	20.95	22.00	1.274	0.084	23.0
Back side	15	QPSK 36_0	26865/831.5	1:1	0.086	0.06	20.95	22.00	1.274	0.110	23.0
Left side	15	QPSK 36_0	26865/831.5	1:1	0.000	-0.01	20.95	22.00	1.274	0.000	23.0
Top side	15	QPSK 36_0	26865/831.5	1:1	0.108	0.06	20.95	22.00	1.274	0.138	23.0

Table 19: SAR of LTE Band 26 for Head, Body and Hotspot is covering LTE Band 5.

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Report No.: SUCR241200055201

Rev.: 01

Page: 86 of 130

8.2.11 SAR Result of LTE Band 38 (PC3)

LTE Band 38 SAR Test Record											
Ant 1 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)											
Left cheek	20	QPSK 1_0	38000/2595	1:1.58	0.200	0.06	22.93	23.70	1.194	0.239	22.5
Left tilted	20	QPSK 1_0	38000/2595	1:1.58	0.265	-0.03	22.93	23.70	1.194	0.316	22.5
Right cheek	20	QPSK 1_0	38000/2595	1:1.58	0.607	0.04	22.93	23.70	1.194	0.725	22.5
Right tilted	20	QPSK 1_0	38000/2595	1:1.58	0.777	-0.02	22.93	23.70	1.194	0.928	22.5
Right tilted	20	QPSK 1_0	37850/2580	1:1.58	0.753	0.04	22.80	23.70	1.230	0.926	22.5
Right tilted	20	QPSK 1_0	38150/2610	1:1.58	0.749	-0.01	22.82	23.70	1.225	0.917	22.5
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	38000/2595	1:1.58	0.216	0.06	22.61	23.50	1.227	0.265	22.5
Left tilted	20	QPSK 50_0	38000/2595	1:1.58	0.277	-0.02	22.61	23.50	1.227	0.340	22.5
Right cheek	20	QPSK 50_0	38000/2595	1:1.58	0.611	0.04	22.61	23.50	1.227	0.750	22.5
Right tilted	20	QPSK 50_0	38000/2595	1:1.58	0.786	0.01	22.61	23.50	1.227	0.965	22.5
Right tilted	20	QPSK 50_0	37850/2580	1:1.58	0.737	0.10	22.57	23.50	1.239	0.913	22.5
Right tilted	20	QPSK 50_0	38150/2610	1:1.58	0.758	0.01	22.57	23.50	1.239	0.939	22.5
Right tilted UL CA	20	QPSK 50_0	38000+38198/2595+2614.8	1:1.58	0.741	0.09	22.43	23.50	1.279	0.948	22.5
Head Test Data(100%RB)											
Right tilted	20	QPSK 100_0	38000/2595	1:1.58	0.732	0.02	20.75	21.70	1.245	0.911	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.070	0.07	23.65	24.50	1.216	0.085	23.2
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.108	0.01	23.65	24.50	1.216	0.131	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.076	0.06	22.51	23.50	1.256	0.095	23.2
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.115	0.02	22.51	23.50	1.256	0.144	23.2
Back side UL CA	20	QPSK 50_0	38000+38198/2595+2614.8	1:1.58	0.104	0.04	22.36	23.50	1.300	0.135	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.087	0.10	20.66	21.50	1.213	0.106	23.2
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.135	0.01	20.66	21.50	1.213	0.164	23.2
Left side	20	QPSK 1_0	38000/2595	1:1.58	0.072	0.08	20.66	21.50	1.213	0.087	23.2
Top side	20	QPSK 1_0	38000/2595	1:1.58	0.195	-0.02	20.66	21.50	1.213	0.237	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.092	0.10	20.57	21.50	1.239	0.114	23.2
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.144	0.03	20.57	21.50	1.239	0.178	23.2
Left side	20	QPSK 50_0	38000/2595	1:1.58	0.088	0.07	20.57	21.50	1.239	0.109	23.2
Top side	20	QPSK 50_0	38000/2595	1:1.58	0.206	0.03	20.57	21.50	1.239	0.255	23.2
Top side UL CA	20	QPSK 50_0	38000+38198/2595+2614.8	1:1.58	0.185	0.01	20.26	21.50	1.330	0.246	23.2
Ant 3 Test Record											

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 87 of 130

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)											
Left cheek	20	QPSK 1_0	38000/2595	1:1.58	0.159	0.05	23.58	24.50	1.236	0.197	22.5
Left tilted	20	QPSK 1_0	38000/2595	1:1.58	0.062	-0.02	23.58	24.50	1.236	0.077	22.5
Right cheek	20	QPSK 1_0	38000/2595	1:1.58	0.086	0.06	23.58	24.50	1.236	0.106	22.5
Right tilted	20	QPSK 1_0	38000/2595	1:1.58	0.091	-0.01	23.58	24.50	1.236	0.112	22.5
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	38000/2595	1:1.58	0.163	0.08	22.47	23.50	1.268	0.207	22.5
Left cheek UL CA	20	QPSK 50_0	38000+38198/2595+2614.8	1:1.58	0.155	0.07	22.29	23.50	1.321	0.205	22.5
Left tilted	20	QPSK 50_0	38000/2595	1:1.58	0.074	0.02	22.47	23.50	1.268	0.094	22.5
Right cheek	20	QPSK 50_0	38000/2595	1:1.58	0.098	0.05	22.47	23.50	1.268	0.124	22.5
Right tilted	20	QPSK 50_0	38000/2595	1:1.58	0.105	0.03	22.47	23.50	1.268	0.133	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.208	0.11	23.58	24.50	1.236	0.257	23.2
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.219	0.01	23.58	24.50	1.236	0.271	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.211	0.07	22.47	23.50	1.268	0.267	23.2
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.282	-0.02	22.47	23.50	1.268	0.357	23.2
Back side UL CA	20	QPSK 50_0	38000+38198/2595+2614.8	1:1.58	0.261	0.05	22.29	23.50	1.321	0.345	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.202	0.08	20.36	21.50	1.300	0.263	23.2
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.243	-0.01	20.36	21.50	1.300	0.316	23.2
Left side	20	QPSK 1_0	38000/2595	1:1.58	0.078	0.05	20.36	21.50	1.300	0.101	23.2
Right side	20	QPSK 1_0	38000/2595	1:1.58	0.039	0.04	20.36	21.50	1.300	0.051	23.2
Bottom side	20	QPSK 1_0	38000/2595	1:1.58	0.307	0.00	20.36	21.50	1.300	0.399	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	38000/2595	1:1.58	0.214	0.09	20.21	21.50	1.346	0.288	23.2
Back side	20	QPSK 50_0	38000/2595	1:1.58	0.255	0.05	20.21	21.50	1.346	0.343	23.2
Left side	20	QPSK 50_0	38000/2595	1:1.58	0.088	-0.01	20.21	21.50	1.346	0.118	23.2
Right side	20	QPSK 50_0	38000/2595	1:1.58	0.043	0.09	20.21	21.50	1.346	0.058	23.2
Bottom side	20	QPSK 50_0	38000/2595	1:1.58	0.318	0.04	20.21	21.50	1.346	0.428	23.2
Bottom side UL CA	20	QPSK 50_0	38000+38198/2595+2614.8	1:1.58	0.289	0.01	20.06	21.50	1.393	0.403	23.2

Table 20: SAR of LTE Band 38 (PC3) for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 88 of 130

8.2.12 SAR Result of LTE Band 41

LTE Band 41 SAR Test Record											
Ant 1 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)											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.201	-0.02	21.51	23.00	1.409	0.283	22.5
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.258	0.06	21.51	23.00	1.409	0.364	22.5
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.689	0.02	21.51	23.00	1.409	0.971	22.5
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.739	0.08	21.51	23.00	1.409	1.041	22.5
Right tilted	20	QPSK 1_0	39750/2506	1:1.58	0.685	0.02	21.35	23.00	1.462	1.002	22.5
Right tilted	20	QPSK 1_0	40185/2549.5	1:1.58	0.703	0.08	21.37	23.00	1.455	1.023	22.5
Right tilted	20	QPSK 1_0	41055/2636.5	1:1.58	0.711	0.01	21.49	23.00	1.416	1.007	22.5
Right tilted	20	QPSK 1_0	41490/2680	1:1.58	0.728	0.10	21.41	23.00	1.442	1.050	22.5
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.203	0.01	21.41	23.00	1.442	0.293	22.5
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.264	0.04	21.41	23.00	1.442	0.381	22.5
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.707	0.05	21.41	23.00	1.442	1.020	22.5
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.752	0.08	21.41	23.00	1.442	1.084	22.5
Right tilted UL CA	20	QPSK 50_0	40620/2593+40422/2573.2	1:1.58	0.733	0.01	21.26	23.00	1.493	1.094	22.5
Right tilted	20	QPSK 50_0	39750/2506	1:1.58	0.699	0.01	21.33	23.00	1.469	1.027	22.5
Right tilted	20	QPSK 50_0	40185/2549.5	1:1.58	0.704	0.03	21.29	23.00	1.483	1.044	22.5
Right tilted	20	QPSK 50_0	41055/2636.5	1:1.58	0.736	0.06	21.37	23.00	1.455	1.071	22.5
Right tilted	20	QPSK 50_0	41490/2680	1:1.58	0.740	0.07	21.40	23.00	1.445	1.070	22.5
Head Test Data(100%RB)											
Right tilted	20	QPSK 100_0	40620/2593	1:1.58	0.722	0.03	19.44	21.00	1.432	1.034	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.069	0.03	23.21	24.50	1.346	0.093	23.2
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.100	0.05	23.21	24.50	1.346	0.135	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.078	-0.02	22.64	24.00	1.368	0.107	23.2
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.110	0.04	22.64	24.00	1.368	0.150	23.2
Back side ULCA	20	QPSK 50_0	40620/2593+40422/2573.2	1:1.58	0.096	0.05	22.56	24.00	1.393	0.134	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.051	0.05	18.22	19.50	1.343	0.068	23.2
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.069	0.06	18.22	19.50	1.343	0.093	23.2
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.051	0.04	18.22	19.50	1.343	0.068	23.2
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.112	0.05	18.22	19.50	1.343	0.150	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.060	0.02	18.15	19.50	1.365	0.082	23.2
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.074	0.04	18.15	19.50	1.365	0.101	23.2
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.063	0.01	18.15	19.50	1.365	0.086	23.2

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Report No.: SUCR241200055201

Rev.: 01

Page: 89 of 130

Top side	20	QPSK 50_0	40620/2593	1:1.58	0.123	0.08	18.15	19.50	1.365	0.168	23.2
Top side UL CA	20	QPSK 50_0	40620/2593+40422/2573. 2	1:1.58	0.115	0.02	18.04	19.50	1.400	0.161	23.2
Ant 3 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)											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.241	0.05	23.81	25.00	1.315	0.317	22.5
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.126	0.11	23.81	25.00	1.315	0.166	22.5
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.249	0.01	23.81	25.00	1.315	0.327	22.5
Right cheek UL CA	20	QPSK 1_0	40620/2593+40422/2573. 2	1:1.58	0.228	0.09	23.62	25.00	1.374	0.313	22.5
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.135	0.11	23.81	25.00	1.315	0.178	22.5
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.239	0.04	22.94	24.00	1.276	0.305	22.5
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.128	0.05	22.94	24.00	1.276	0.163	22.5
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.248	0.06	22.94	24.00	1.276	0.317	22.5
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.130	0.05	22.94	24.00	1.276	0.166	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.185	0.03	23.32	24.50	1.312	0.243	23.2
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.204	0.08	23.32	24.50	1.312	0.268	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.193	0.04	22.79	24.00	1.321	0.255	23.2
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.267	0.07	22.79	24.00	1.321	0.353	23.2
Back side ULCA	20	QPSK 50_0	40620/2593+40422/2573. 2	1:1.58	0.240	0.04	22.63	24.00	1.371	0.329	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.130	-0.01	18.24	19.50	1.337	0.174	23.2
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.161	0.11	18.24	19.50	1.337	0.215	23.2
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.055	0.06	18.24	19.50	1.337	0.074	23.2
Right side	20	QPSK 1_0	40620/2593	1:1.58	0.031	0.05	18.24	19.50	1.337	0.041	23.2
Bottom side	20	QPSK 1_0	40620/2593	1:1.58	0.246	0.04	18.24	19.50	1.337	0.329	23.2
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.139	-0.01	18.23	19.50	1.340	0.186	23.2
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.163	0.07	18.23	19.50	1.340	0.218	23.2
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.064	0.05	18.23	19.50	1.340	0.086	23.2
Right side	20	QPSK 50_0	40620/2593	1:1.58	0.043	0.04	18.23	19.50	1.340	0.058	23.2
Bottom side	20	QPSK 50_0	40620/2593	1:1.58	0.271	0.05	18.23	19.50	1.340	0.363	23.2
Bottom side UL CA	20	QPSK 50_0	40620/2593+40422/2573. 2	1:1.58	0.257	0.04	18.11	19.50	1.377	0.354	23.2

Table 21: SAR of LTE Band 41 for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 90 of 130

8.2.13 SAR Result of LTE Band 66

LTE Band 66 SAR Test Record											
Ant 1 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)											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.279	0.01	20.97	22.00	1.268	0.354	22.6
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.360	0.04	20.97	22.00	1.268	0.456	22.6
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.427	0.03	20.97	22.00	1.268	0.541	22.6
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.705	0.11	20.97	22.00	1.268	0.894	22.6
Right tilted	20	QPSK 1_0	132072/1720	1:1	0.688	0.05	20.87	22.00	1.297	0.892	22.6
Right tilted	20	QPSK 1_0	132572/1770	1:1	0.642	0.08	20.83	22.00	1.309	0.840	22.6
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.284	0.03	20.96	22.00	1.271	0.361	22.6
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.363	0.08	20.96	22.00	1.271	0.461	22.6
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.430	-0.06	20.96	22.00	1.271	0.546	22.6
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.715	0.02	20.96	22.00	1.271	0.908	22.6
Right tilted	20	QPSK 50_0	132072/1720	1:1	0.633	0.07	20.83	22.00	1.309	0.829	22.6
Right tilted	20	QPSK 50_0	132572/1770	1:1	0.732	0.06	20.83	22.00	1.309	0.958	22.6
Right tilted UL CA	20	QPSK 50_0	132572/1770+132374/1750.2	1:1	0.711	0.02	20.77	22.00	1.327	0.944	22.6
Head Test Data(100%RB)											
Right tilted	20	QPSK 100_0	132572/1770	1:1	0.653	0.05	20.87	22.00	1.297	0.847	22.6
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.086	-0.01	21.93	23.30	1.371	0.118	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.169	0.05	21.93	23.30	1.371	0.232	22.6
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.095	0.01	21.87	23.30	1.390	0.132	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.177	0.09	21.87	23.30	1.390	0.246	22.6
Back side UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.162	0.03	21.72	23.30	1.439	0.233	22.6
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.055	0.02	17.11	18.30	1.315	0.072	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.084	0.07	17.11	18.30	1.315	0.110	22.6
Left side	20	QPSK 1_0	132322/1745	1:1	0.000	-0.02	17.11	18.30	1.315	0.000	22.6
Top side	20	QPSK 1_0	132322/1745	1:1	0.128	0.07	17.11	18.30	1.315	0.168	22.6
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.057	0.04	17.07	18.30	1.327	0.076	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.092	0.10	17.07	18.30	1.327	0.122	22.6
Left side	20	QPSK 50_0	132322/1745	1:1	0.000	0.05	17.07	18.30	1.327	0.000	22.6
Top side	20	QPSK 50_0	132322/1745	1:1	0.139	0.04	17.07	18.30	1.327	0.185	22.6
Top side UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.124	0.05	16.97	18.30	1.358	0.168	22.6
Ant 3 Test Record											

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 91 of 130

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)											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.132	-0.01	24.36	25.00	1.159	0.153	22.6
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.085	0.06	24.36	25.00	1.159	0.098	22.6
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.142	0.01	24.36	25.00	1.159	0.165	22.6
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.073	0.09	24.36	25.00	1.159	0.085	22.6
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.129	0.04	23.15	24.00	1.216	0.157	22.6
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.081	0.05	23.15	24.00	1.216	0.099	22.6
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.156	-0.02	23.15	24.00	1.216	0.190	22.6
Right cheek UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.144	0.08	23.06	24.00	1.242	0.179	22.6
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.084	0.07	23.15	24.00	1.216	0.102	22.6
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.239	-0.01	22.79	23.50	1.178	0.281	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.237	0.07	22.79	23.50	1.178	0.279	22.6
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.244	0.04	22.78	23.50	1.180	0.288	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.261	0.10	22.78	23.50	1.180	0.308	22.6
Back side UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.235	0.05	22.63	23.50	1.222	0.287	22.6
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.131	0.04	17.71	18.50	1.199	0.157	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.139	0.04	17.71	18.50	1.199	0.167	22.6
Left side	20	QPSK 1_0	132322/1745	1:1	0.042	-0.01	17.71	18.50	1.199	0.050	22.6
Right side	20	QPSK 1_0	132322/1745	1:1	0.000	-0.01	17.71	18.50	1.199	0.000	22.6
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.224	0.11	17.71	18.50	1.199	0.269	22.6
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.147	-0.02	17.66	18.50	1.213	0.178	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.150	0.09	17.66	18.50	1.213	0.182	22.6
Left side	20	QPSK 50_0	132322/1745	1:1	0.056	0.05	17.66	18.50	1.213	0.068	22.6
Right side	20	QPSK 50_0	132322/1745	1:1	0.000	0.05	17.66	18.50	1.213	0.000	22.6
Bottom side	20	QPSK 50_0	132322/1745	1:1	0.242	0.11	17.66	18.50	1.213	0.294	22.6
Bottom side UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.237	0.04	17.51	18.50	1.256	0.298	22.6
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)											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.338	-0.01	23.25	24.00	1.189	0.402	22.6
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.091	0.05	23.25	24.00	1.189	0.108	22.6
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.671	0.03	23.25	24.00	1.189	0.797	22.6
Right cheek UL CA	20	QPSK 1_0	132322/1745+132124/1725.2	1:1	0.626	0.05	23.11	24.00	1.227	0.768	22.6
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.151	0.09	23.25	24.00	1.189	0.179	22.6

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 92 of 130

Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.344	-0.01	23.23	24.00	1.194	0.411	22.6
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.102	0.10	23.23	24.00	1.194	0.122	22.6
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.662	0.06	23.23	24.00	1.194	0.790	22.6
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.166	0.09	23.23	24.00	1.194	0.198	22.6
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.070	0.05	21.38	23.10	1.486	0.104	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.116	0.10	21.38	23.10	1.486	0.172	22.6
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.078	0.03	21.35	23.10	1.496	0.117	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.128	0.11	21.35	23.10	1.496	0.192	22.6
Back side UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.111	0.03	21.22	23.10	1.542	0.171	22.6
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.048	0.03	17.25	18.50	1.334	0.064	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.083	0.10	17.25	18.50	1.334	0.111	22.6
Left side	20	QPSK 1_0	132322/1745	1:1	0.103	0.01	17.25	18.50	1.334	0.137	22.6
Top side	20	QPSK 1_0	132322/1745	1:1	0.000	0.06	17.25	18.50	1.334	0.000	22.6
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.055	0.05	17.07	18.50	1.390	0.076	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.089	0.09	17.07	18.50	1.390	0.124	22.6
Left side	20	QPSK 50_0	132322/1745	1:1	0.114	0.04	17.07	18.50	1.390	0.158	22.6
Left side UL CA	20	QPSK 50_0	132322/1745+132124/1725.2	1:1	0.103	0.07	16.94	18.50	1.432	0.148	22.6
Top side	20	QPSK 50_0	132322/1745	1:1	0.000	0.01	17.07	18.50	1.390	0.000	22.6

Table 22: SAR of LTE Band 66 for Head, Body and Hotspot is covering LTE Band 4.

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 93 of 130

8.2.14 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)											
Left cheek	20	QPSK 1_0	133322/683	1:1	0.008	0.03	23.78	25.00	1.324	0.011	22.8
Left tilted	20	QPSK 1_0	133322/683	1:1	0.000	0.04	23.78	25.00	1.324	0.000	22.8
Right cheek	20	QPSK 1_0	133322/683	1:1	0.013	0.07	23.78	25.00	1.324	0.017	22.8
Right tilted	20	QPSK 1_0	133322/683	1:1	0.000	0.01	23.78	25.00	1.324	0.000	22.8
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	133322/683	1:1	0.015	0.04	22.66	24.00	1.361	0.020	22.8
Left tilted	20	QPSK 50_0	133322/683	1:1	0.000	-0.01	22.66	24.00	1.361	0.000	22.8
Right cheek	20	QPSK 50_0	133322/683	1:1	0.028	0.05	22.66	24.00	1.361	0.038	22.8
Right tilted	20	QPSK 50_0	133322/683	1:1	0.000	0.00	22.66	24.00	1.361	0.000	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.055	0.02	23.78	25.00	1.324	0.073	22.7
Back side	20	QPSK 1_0	133322/683	1:1	0.066	0.02	23.78	25.00	1.324	0.087	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.060	0.06	22.66	24.00	1.361	0.082	22.7
Back side	20	QPSK 50_0	133322/683	1:1	0.072	0.04	22.66	24.00	1.361	0.098	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.000	0.08	20.86	22.00	1.300	0.000	22.7
Back side	20	QPSK 1_0	133322/683	1:1	0.046	-0.02	20.86	22.00	1.300	0.060	22.7
Righttt side	20	QPSK 1_0	133322/683	1:1	0.000	0.04	20.86	22.00	1.300	0.000	22.7
Bottom side	20	QPSK 1_0	133322/683	1:1	0.000	0.06	20.86	22.00	1.300	0.000	22.7
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.000	0.02	20.84	22.00	1.306	0.000	22.7
Back side	20	QPSK 50_0	133322/683	1:1	0.050	0.04	20.84	22.00	1.306	0.065	22.7
Righttt side	20	QPSK 50_0	133322/683	1:1	0.000	0.02	20.84	22.00	1.306	0.000	22.7
Bottom side	20	QPSK 50_0	133322/683	1:1	0.000	0.03	20.84	22.00	1.306	0.000	22.7
Ant 1 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)											
Left cheek	20	QPSK 1_0	133322/683	1:1	0.203	0.02	23.75	25.00	1.334	0.271	22.8
Left tilted	20	QPSK 1_0	133322/683	1:1	0.227	0.03	23.75	25.00	1.334	0.303	22.8
Right cheek	20	QPSK 1_0	133322/683	1:1	0.242	0.05	23.75	25.00	1.334	0.323	22.8
Right tilted	20	QPSK 1_0	133322/683	1:1	0.268	0.02	23.75	25.00	1.334	0.357	22.8
Head Test Data(50%RB)											
Left cheek	20	QPSK 50_0	133322/683	1:1	0.208	0.04	22.69	24.00	1.352	0.281	22.8
Left tilted	20	QPSK 50_0	133322/683	1:1	0.239	0.01	22.69	24.00	1.352	0.323	22.8
Right cheek	20	QPSK 50_0	133322/683	1:1	0.245	0.03	22.69	24.00	1.352	0.331	22.8

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Report No.: SUCR241200055201

Rev.: 01

Page: 94 of 130

Right tilted	20	QPSK 50_0	133322/683	1:1	0.280	0.01	22.69	24.00	1.352	0.379	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.071	0.02	23.75	25.00	1.334	0.095	22.7
Back side	20	QPSK 1_0	133322/683	1:1	0.084	0.02	23.75	25.00	1.334	0.112	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.079	0.01	22.69	24.00	1.352	0.107	22.7
Back side	20	QPSK 50_0	133322/683	1:1	0.096	0.05	22.69	24.00	1.352	0.130	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.000	0.07	20.75	22.00	1.334	0.000	22.7
Back side	20	QPSK 1_0	133322/683	1:1	0.045	0.01	20.75	22.00	1.334	0.060	22.7
Left side	20	QPSK 1_0	133322/683	1:1	0.000	0.03	20.75	22.00	1.334	0.000	22.7
Top side	20	QPSK 1_0	133322/683	1:1	0.038	0.07	20.75	22.00	1.334	0.051	22.7
Hotspot Test data(Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.000	0.01	20.68	22.00	1.355	0.000	22.7
Back side	20	QPSK 50_0	133322/683	1:1	0.054	-0.01	20.68	22.00	1.355	0.073	22.7
Left side	20	QPSK 50_0	133322/683	1:1	0.000	0.06	20.68	22.00	1.355	0.000	22.7
Top side	20	QPSK 50_0	133322/683	1:1	0.047	0.09	20.68	22.00	1.355	0.064	22.7

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

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Report No.: SUCR241200055201

Rev.: 01

Page: 95 of 130

8.2.15 SAR Result of 5G NR n2

SA N2 SAR Test Record											
Ant 1 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	376000/1880	1:1	0.399	-0.01	17.70	18.70	1.259	0.502	22.7
Left tilted	20	QPSK 1_1	376000/1880	1:1	0.433	0.08	17.70	18.70	1.259	0.545	22.7
Right cheek	20	QPSK 1_1	376000/1880	1:1	0.696	-0.02	17.70	18.70	1.259	0.876	22.7
Right tilted	20	QPSK 1_1	376000/1880	1:1	0.781	0.04	17.70	18.70	1.259	0.983	22.7
Right tilted	20	QPSK 1_1	372000/1860	1:1	0.739	0.00	17.56	18.70	1.300	0.961	22.7
Right tilted	20	QPSK 1_1	380000/1900	1:1	0.755	0.05	17.57	18.70	1.297	0.979	22.7
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	376000/1880	1:1	0.406	0.05	17.63	18.70	1.279	0.519	22.7
Left tilted	20	QPSK 50_28	376000/1880	1:1	0.438	0.09	17.63	18.70	1.279	0.560	22.7
Right cheek	20	QPSK 50_28	376000/1880	1:1	0.703	0.05	17.63	18.70	1.279	0.899	22.7
Right tilted	20	QPSK 50_28	376000/1880	1:1	0.796	0.05	17.63	18.70	1.279	1.018	22.7
Right tilted	20	QPSK 50_28	372000/1860	1:1	0.739	0.05	17.54	18.70	1.306	0.965	22.7
Right tilted	20	QPSK 50_28	380000/1900	1:1	0.755	0.09	17.49	18.70	1.321	0.998	22.7
Head Test data(100%RB)											
Right tilted	20	QPSK 100_0	376000/1880	1:1	0.747	0.08	17.58	18.70	1.294	0.967	22.7
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	376000/1880	1:1	0.111	-0.01	19.49	20.50	1.262	0.140	22.8
Back side	20	QPSK 1_1	376000/1880	1:1	0.191	0.10	19.49	20.50	1.262	0.241	22.8
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	376000/1880	1:1	0.115	0.01	19.45	20.50	1.274	0.146	22.8
Back side	20	QPSK 50_28	376000/1880	1:1	0.204	0.07	19.45	20.50	1.274	0.260	22.8
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	376000/1880	1:1	0.066	0.01	14.57	15.50	1.239	0.082	22.8
Back side	20	QPSK 1_1	376000/1880	1:1	0.126	0.04	14.57	15.50	1.239	0.156	22.8
Left side	20	QPSK 1_1	376000/1880	1:1	0.000	0.00	14.57	15.50	1.239	0.000	22.8
Top side	20	QPSK 1_1	376000/1880	1:1	0.183	0.01	14.57	15.50	1.239	0.227	22.8
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	376000/1880	1:1	0.074	0.02	14.55	15.50	1.245	0.092	22.8
Back side	20	QPSK 50_28	376000/1880	1:1	0.135	0.11	14.55	15.50	1.245	0.168	22.8
Left side	20	QPSK 50_28	376000/1880	1:1	0.000	-0.01	14.55	15.50	1.245	0.000	22.8
Top side	20	QPSK 50_28	376000/1880	1:1	0.197	0.02	14.55	15.50	1.245	0.245	22.8
Ant 3 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	376000/1880	1:1	0.129	0.00	24.02	25.20	1.312	0.169	22.7
Left tilted	20	QPSK 1_1	376000/1880	1:1	0.095	0.09	24.02	25.20	1.312	0.125	22.7

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 96 of 130

Right cheek	20	QPSK 1_1	376000/1880	1:1	0.109	0.05	24.02	25.20	1.312	0.143	22.7
Right tilted	20	QPSK 1_1	376000/1880	1:1	0.080	0.06	24.02	25.20	1.312	0.105	22.7
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	376000/1880	1:1	0.137	0.04	23.97	25.20	1.327	0.182	22.7
Left tilted	20	QPSK 50_28	376000/1880	1:1	0.096	0.08	23.97	25.20	1.327	0.127	22.7
Right cheek	20	QPSK 50_28	376000/1880	1:1	0.111	0.01	23.97	25.20	1.327	0.147	22.7
Right tilted	20	QPSK 50_28	376000/1880	1:1	0.088	0.05	23.97	25.20	1.327	0.117	22.7
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	376000/1880	1:1	0.192	0.01	22.93	23.90	1.250	0.240	22.8
Back side	20	QPSK 1_1	376000/1880	1:1	0.200	0.04	22.93	23.90	1.250	0.250	22.8
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	376000/1880	1:1	0.203	0.02	22.78	23.90	1.294	0.263	22.8
Back side	20	QPSK 50_28	376000/1880	1:1	0.212	0.10	22.78	23.90	1.294	0.274	22.8
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	376000/1880	1:1	0.132	0.04	17.03	17.90	1.222	0.161	22.8
Back side	20	QPSK 1_1	376000/1880	1:1	0.133	0.05	17.03	17.90	1.222	0.162	22.8
Left side	20	QPSK 1_1	376000/1880	1:1	0.028	0.04	17.03	17.90	1.222	0.034	22.8
Right side	20	QPSK 1_1	376000/1880	1:1	0.000	0.05	17.03	17.90	1.222	0.000	22.8
Bottom side	20	QPSK 1_1	376000/1880	1:1	0.216	0.07	17.03	17.90	1.222	0.264	22.8
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	376000/1880	1:1	0.141	0.00	16.95	17.90	1.245	0.175	22.8
Back side	20	QPSK 50_28	376000/1880	1:1	0.153	0.04	16.95	17.90	1.245	0.190	22.8
Left side	20	QPSK 50_28	376000/1880	1:1	0.034	0.02	16.95	17.90	1.245	0.042	22.8
Right side	20	QPSK 50_28	376000/1880	1:1	0.000	0.02	16.95	17.90	1.245	0.000	22.8
Bottom side	20	QPSK 50_28	376000/1880	1:1	0.224	0.07	16.95	17.90	1.245	0.279	22.8
Ant 4 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	376000/1880	1:1	0.286	-0.01	21.68	22.70	1.265	0.362	22.7
Left tilted	20	QPSK 1_1	376000/1880	1:1	0.101	0.09	21.68	22.70	1.265	0.128	22.7
Right cheek	20	QPSK 1_1	376000/1880	1:1	0.539	-0.02	21.68	22.70	1.265	0.682	22.7
Right tilted	20	QPSK 1_1	376000/1880	1:1	0.134	0.10	21.68	22.70	1.265	0.169	22.7
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	376000/1880	1:1	0.277	-0.01	21.54	22.70	1.306	0.362	22.7
Left tilted	20	QPSK 50_28	376000/1880	1:1	0.114	0.04	21.54	22.70	1.306	0.149	22.7
Right cheek	20	QPSK 50_28	376000/1880	1:1	0.554	0.01	21.54	22.70	1.306	0.724	22.7
Right tilted	20	QPSK 50_28	376000/1880	1:1	0.136	0.09	21.54	22.70	1.306	0.178	22.7
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	376000/1880	1:1	0.062	0.06	21.54	22.50	1.247	0.077	22.8
Back side	20	QPSK 1_1	376000/1880	1:1	0.100	0.06	21.54	22.50	1.247	0.125	22.8
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	376000/1880	1:1	0.075	-0.02	21.42	22.50	1.282	0.096	22.8

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 97 of 130

Back side	20	QPSK 50_28	376000/1880	1:1	0.118	0.06	21.42	22.50	1.282	0.151	22.8
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	376000/1880	1:1	0.041	0.02	16.58	17.50	1.236	0.051	22.8
Back side	20	QPSK 1_1	376000/1880	1:1	0.074	0.03	16.58	17.50	1.236	0.091	22.8
Left side	20	QPSK 1_1	376000/1880	1:1	0.129	0.01	16.58	17.50	1.236	0.159	22.8
Top side	20	QPSK 1_1	376000/1880	1:1	0.000	0.07	16.58	17.50	1.236	0.000	22.8
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	376000/1880	1:1	0.052	0.00	16.53	17.50	1.250	0.065	22.8
Back side	20	QPSK 50_28	376000/1880	1:1	0.088	0.04	16.53	17.50	1.250	0.110	22.8
Left side	20	QPSK 50_28	376000/1880	1:1	0.140	0.04	16.53	17.50	1.250	0.175	22.8
Top side	20	QPSK 50_28	376000/1880	1:1	0.000	0.03	16.53	17.50	1.250	0.000	22.8

Table 24: SAR of 5G NR n2 for Head, Body and Hotspot.

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 98 of 130

8.2.16 SAR Result of 5G NR n7

SA N7 SAR Test Record											
Ant 1 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	50	QPSK 1_1	507000/2535	1:1	0.188	0.01	18.25	19.20	1.245	0.234	22.5
Left tilted	50	QPSK 1_1	507000/2535	1:1	0.249	0.05	18.25	19.20	1.245	0.310	22.5
Right cheek	50	QPSK 1_1	507000/2535	1:1	0.591	0.04	18.25	19.20	1.245	0.736	22.5
Right tilted	50	QPSK 1_1	507000/2535	1:1	0.712	0.09	18.25	19.20	1.245	0.886	22.5
Head Test data(50%RB)											
Left cheek	50	QPSK 135_67	507000/2535	1:1	0.199	0.02	18.23	19.20	1.250	0.249	22.5
Left tilted	50	QPSK 135_67	507000/2535	1:1	0.253	0.05	18.23	19.20	1.250	0.316	22.5
Right cheek	50	QPSK 135_67	507000/2535	1:1	0.613	-0.01	18.23	19.20	1.250	0.766	22.5
Right tilted	50	QPSK 135_67	507000/2535	1:1	0.758	0.09	18.23	19.20	1.250	0.948	22.5
Head Test data(100%RB)											
Right tilted	50	QPSK 100_0	507000/2535	1:1	0.734	0.02	18.14	19.20	1.276	0.937	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	50	QPSK 1_1	507000/2535	1:1	0.138	0.01	22.29	23.20	1.233	0.170	23.2
Back side	50	QPSK 1_1	507000/2535	1:1	0.193	0.10	22.29	23.20	1.233	0.238	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	50	QPSK 135_67	507000/2535	1:1	0.143	0.04	22.19	23.20	1.262	0.180	23.2
Back side	50	QPSK 135_67	507000/2535	1:1	0.205	0.09	22.19	23.20	1.262	0.259	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	50	QPSK 1_1	507000/2535	1:1	0.084	0.05	17.28	18.20	1.236	0.104	23.2
Back side	50	QPSK 1_1	507000/2535	1:1	0.146	0.11	17.28	18.20	1.236	0.180	23.2
Left side	50	QPSK 1_1	507000/2535	1:1	0.065	0.05	17.28	18.20	1.236	0.080	23.2
Top side	50	QPSK 1_1	507000/2535	1:1	0.209	0.09	17.28	18.20	1.236	0.258	23.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	50	QPSK 135_67	507000/2535	1:1	0.099	0.01	17.26	18.20	1.242	0.123	23.2
Back side	50	QPSK 135_67	507000/2535	1:1	0.154	0.09	17.26	18.20	1.242	0.191	23.2
Left side	50	QPSK 135_67	507000/2535	1:1	0.078	0.00	17.26	18.20	1.242	0.097	23.2
Top side	50	QPSK 135_67	507000/2535	1:1	0.276	0.07	17.26	18.20	1.242	0.343	23.2
Ant 3 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	50	QPSK 1_1	507000/2535	1:1	0.205	0.01	23.44	24.20	1.191	0.244	23.2
Left tilted	50	QPSK 1_1	507000/2535	1:1	0.105	0.04	23.44	24.20	1.191	0.125	23.2
Right cheek	50	QPSK 1_1	507000/2535	1:1	0.127	0.00	23.44	24.20	1.191	0.151	23.2
Right tilted	50	QPSK 1_1	507000/2535	1:1	0.118	0.04	23.44	24.20	1.191	0.141	23.2
Head Test data(50%RB)											
Left cheek	50	QPSK 135_67	507000/2535	1:1	0.214	0.01	23.36	24.20	1.213	0.260	23.2

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Report No.: SUCR241200055201

Rev.: 01

Page: 99 of 130

Left tilted	50	QPSK 135_67	507000/2535	1:1	0.116	0.03	23.36	24.20	1.213	0.141	23.2
Right cheek	50	QPSK 135_67	507000/2535	1:1	0.138	0.00	23.36	24.20	1.213	0.167	23.2
Right tilted	50	QPSK 135_67	507000/2535	1:1	0.123	0.08	23.36	24.20	1.213	0.149	23.2
Body worn Test data(Separate 15mm 1RB)											
Front side	50	QPSK 1_1	507000/2535	1:1	0.170	0.02	21.54	22.20	1.164	0.198	23.2
Back side	50	QPSK 1_1	507000/2535	1:1	0.191	0.04	21.54	22.20	1.164	0.222	23.2
Body worn Test data (Separate 15mm 50%RB)											
Front side	50	QPSK 135_67	507000/2535	1:1	0.196	0.05	21.40	22.20	1.202	0.236	23.2
Back side	50	QPSK 135_67	507000/2535	1:1	0.272	0.11	21.40	22.20	1.202	0.327	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	50	QPSK 1_1	507000/2535	1:1	0.105	0.01	16.30	17.20	1.230	0.129	23.2
Back side	50	QPSK 1_1	507000/2535	1:1	0.121	0.08	16.30	17.20	1.230	0.149	23.2
Left side	50	QPSK 1_1	507000/2535	1:1	0.049	0.02	16.30	17.20	1.230	0.060	23.2
Right side	50	QPSK 1_1	507000/2535	1:1	0.030	0.05	16.30	17.20	1.230	0.037	23.2
Bottom side	50	QPSK 1_1	507000/2535	1:1	0.165	0.01	16.30	17.20	1.230	0.203	23.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	50	QPSK 135_67	507000/2535	1:1	0.119	0.05	16.25	17.20	1.245	0.148	23.2
Back side	50	QPSK 135_67	507000/2535	1:1	0.138	0.10	16.25	17.20	1.245	0.172	23.2
Left side	50	QPSK 135_67	507000/2535	1:1	0.052	0.05	16.25	17.20	1.245	0.065	23.2
Right side	50	QPSK 135_67	507000/2535	1:1	0.034	0.01	16.25	17.20	1.245	0.042	23.2
Bottom side	50	QPSK 135_67	507000/2535	1:1	0.188	0.08	16.25	17.20	1.245	0.234	23.2

Table 25: SAR of 5G NR n7 for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 100 of 130

8.2.17 SAR Result of 5G NR n26

SA N26 SAR Test Record											
Ant 0 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	166300/831.5	1:1	0.087	0.00	23.68	24.70	1.265	0.110	22.4
Left tilted	20	QPSK 1_1	166300/831.5	1:1	0.000	0.04	23.68	24.70	1.265	0.000	22.4
Right cheek	20	QPSK 1_1	166300/831.5	1:1	0.087	-0.01	23.68	24.70	1.265	0.110	22.4
Right tilted	20	QPSK 1_1	166300/831.5	1:1	0.051	0.04	23.68	24.70	1.265	0.065	22.4
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	166300/831.5	1:1	0.090	0.00	23.59	24.70	1.291	0.116	22.4
Left tilted	20	QPSK 50_28	166300/831.5	1:1	0.000	0.08	23.59	24.70	1.291	0.000	22.4
Right cheek	20	QPSK 50_28	166300/831.5	1:1	0.098	0.04	23.59	24.70	1.291	0.127	22.4
Right tilted	20	QPSK 50_28	166300/831.5	1:1	0.064	0.06	23.59	24.70	1.291	0.083	22.4
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	166300/831.5	1:1	0.117	0.02	23.68	24.70	1.265	0.148	23.0
Back side	20	QPSK 1_1	166300/831.5	1:1	0.122	0.08	23.68	24.70	1.265	0.154	23.0
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	166300/831.5	1:1	0.123	0.02	23.59	24.70	1.291	0.159	23.0
Back side	20	QPSK 50_28	166300/831.5	1:1	0.139	0.03	23.59	24.70	1.291	0.179	23.0
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	166300/831.5	1:1	0.059	0.04	20.65	21.70	1.274	0.075	23.0
Back side	20	QPSK 1_1	166300/831.5	1:1	0.071	0.04	20.65	21.70	1.274	0.090	23.0
Right side	20	QPSK 1_1	166300/831.5	1:1	0.000	-0.02	20.65	21.70	1.274	0.000	23.0
Bottom side	20	QPSK 1_1	166300/831.5	1:1	0.056	0.07	20.65	21.70	1.274	0.071	23.0
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	166300/831.5	1:1	0.062	0.03	20.60	21.70	1.288	0.080	23.0
Back side	20	QPSK 50_28	166300/831.5	1:1	0.074	0.06	20.60	21.70	1.288	0.095	23.0
Right side	20	QPSK 50_28	166300/831.5	1:1	0.000	0.03	20.60	21.70	1.288	0.000	23.0
Bottom side	20	QPSK 50_28	166300/831.5	1:1	0.060	0.08	20.60	21.70	1.288	0.077	23.0
Ant 1 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	166300/831.5	1:1	0.476	0.05	24.13	24.70	1.140	0.543	22.4
Left tilted	20	QPSK 1_1	166300/831.5	1:1	0.474	0.06	24.13	24.70	1.140	0.540	22.4
Right cheek	20	QPSK 1_1	166300/831.5	1:1	0.555	0.02	24.13	24.70	1.140	0.633	22.4
Right tilted	20	QPSK 1_1	166300/831.5	1:1	0.461	0.04	24.13	24.70	1.140	0.526	22.4
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	166300/831.5	1:1	0.487	0.05	24.10	24.70	1.148	0.559	22.4
Left tilted	20	QPSK 50_28	166300/831.5	1:1	0.488	0.11	24.10	24.70	1.148	0.560	22.4
Right cheek	20	QPSK 50_28	166300/831.5	1:1	0.559	0.01	24.10	24.70	1.148	0.642	22.4

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 101 of 130

Right tilted	20	QPSK 50_28	166300/831.5	1:1	0.471	0.04	24.10	24.70	1.148	0.541	22.4
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	166300/831.5	1:1	0.069	0.00	24.13	24.70	1.140	0.079	23.0
Back side	20	QPSK 1_1	166300/831.5	1:1	0.087	0.09	24.13	24.70	1.140	0.099	23.0
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	166300/831.5	1:1	0.076	-0.01	24.10	24.70	1.148	0.087	23.0
Back side	20	QPSK 50_28	166300/831.5	1:1	0.096	0.04	24.10	24.70	1.148	0.110	23.0
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	166300/831.5	1:1	0.049	0.01	20.97	21.70	1.183	0.058	23.0
Back side	20	QPSK 1_1	166300/831.5	1:1	0.071	0.08	20.97	21.70	1.183	0.084	23.0
Left side	20	QPSK 1_1	166300/831.5	1:1	0.000	-0.01	20.97	21.70	1.183	0.000	23.0
Top side	20	QPSK 1_1	166300/831.5	1:1	0.057	0.03	20.97	21.70	1.183	0.067	23.0
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	166300/831.5	1:1	0.055	0.03	20.89	21.70	1.205	0.066	23.0
Back side	20	QPSK 50_28	166300/831.5	1:1	0.081	0.10	20.89	21.70	1.205	0.098	23.0
Left side	20	QPSK 50_28	166300/831.5	1:1	0.000	0.00	20.89	21.70	1.205	0.000	23.0
Top side	20	QPSK 50_28	166300/831.5	1:1	0.066	0.10	20.89	21.70	1.205	0.080	23.0

Table 26: SAR of 5G NR n26 for Head, Body and Hotspot is covering FR1 n5.

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Report No.: SUCR241200055201

Rev.: 01

Page: 102 of 130

8.2.18 SAR Result of 5G NR n41 (PC3)

SA N41 SAR Test Record											
Ant 1 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	0.161	-0.01	19.97	20.70	1.183	0.190	22.5
Left tilted	100	QPSK 1_1	518598/2592.99	1:1	0.218	0.04	19.97	20.70	1.183	0.258	22.5
Right cheek	100	QPSK 1_1	518598/2592.99	1:1	0.527	0.04	19.97	20.70	1.183	0.623	22.5
Right tilted	100	QPSK 1_1	518598/2592.99	1:1	0.628	0.05	19.97	20.70	1.183	0.743	22.5
Head Test data(50%RB)											
Left cheek	100	QPSK 135_69	518598/2592.99	1:1	0.166	0.05	19.79	20.70	1.233	0.205	22.5
Left tilted	100	QPSK 135_69	518598/2592.99	1:1	0.214	0.08	19.79	20.70	1.233	0.264	22.5
Right cheek	100	QPSK 135_69	518598/2592.99	1:1	0.542	0.01	19.79	20.70	1.233	0.668	22.5
Right tilted	100	QPSK 135_69	518598/2592.99	1:1	0.643	0.05	19.79	20.70	1.233	0.793	22.5
Head Test data(100%RB)											
Right tilted	100	QPSK 100_0	518598/2592.99	1:1	0.621	0.08	19.74	20.70	1.247	0.775	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.072	0.02	22.36	23.20	1.213	0.087	23.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.115	0.06	22.36	23.20	1.213	0.140	23.2
Body worn Test data(Separate 15mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.087	0.05	22.19	23.20	1.262	0.110	23.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.126	0.10	22.19	23.20	1.262	0.159	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.051	0.03	17.89	18.70	1.205	0.061	23.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.082	0.07	17.89	18.70	1.205	0.099	23.2
Left side	100	QPSK 1_1	518598/2592.99	1:1	0.073	0.04	17.89	18.70	1.205	0.088	23.2
Top side	100	QPSK 1_1	518598/2592.99	1:1	0.122	0.06	17.89	18.70	1.205	0.147	23.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.064	0.02	17.78	18.70	1.236	0.079	23.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.085	0.10	17.78	18.70	1.236	0.105	23.2
Left side	100	QPSK 135_69	518598/2592.99	1:1	0.080	-0.02	17.78	18.70	1.236	0.099	23.2
Top side	100	QPSK 135_69	518598/2592.99	1:1	0.132	0.01	17.78	18.70	1.236	0.163	23.2
Ant 3 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	0.217	-0.02	24.04	25.20	1.306	0.283	22.5
Left tilted	100	QPSK 1_1	518598/2592.99	1:1	0.091	0.07	24.04	25.20	1.306	0.119	22.5
Right cheek	100	QPSK 1_1	518598/2592.99	1:1	0.133	0.05	24.04	25.20	1.306	0.174	22.5
Right tilted	100	QPSK 1_1	518598/2592.99	1:1	0.132	0.10	24.04	25.20	1.306	0.172	22.5
Head Test data(50%RB)											
Left cheek	100	QPSK 135_69	518598/2592.99	1:1	0.224	0.03	23.97	25.20	1.327	0.297	22.5

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 103 of 130

Left tilted	100	QPSK 135_69	518598/2592.99	1:1	0.097	0.10	23.97	25.20	1.327	0.129	22.5
Right cheek	100	QPSK 135_69	518598/2592.99	1:1	0.142	0.01	23.97	25.20	1.327	0.188	22.5
Right tilted	100	QPSK 135_69	518598/2592.99	1:1	0.135	0.08	23.97	25.20	1.327	0.179	22.5
Body worn Test data(Separate 15mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.260	0.07	22.26	23.20	1.242	0.323	23.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.269	0.10	22.26	23.20	1.242	0.334	23.2
Body worn Test data (Separate 15mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.280	0.03	22.11	23.20	1.285	0.360	23.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.286	0.08	22.11	23.20	1.285	0.368	23.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	1:1	0.116	0.01	17.29	18.20	1.233	0.143	23.2
Back side	100	QPSK 1_1	518598/2592.99	1:1	0.125	0.06	17.29	18.20	1.233	0.154	23.2
Left side	100	QPSK 1_1	518598/2592.99	1:1	0.000	-0.01	17.29	18.20	1.233	0.000	23.2
Right side	100	QPSK 1_1	518598/2592.99	1:1	0.000	-0.02	17.29	18.20	1.233	0.000	23.2
Bottom side	100	QPSK 1_1	518598/2592.99	1:1	0.201	0.08	17.29	18.20	1.233	0.248	23.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	1:1	0.129	0.05	17.15	18.20	1.274	0.164	23.2
Back side	100	QPSK 135_69	518598/2592.99	1:1	0.143	0.04	17.15	18.20	1.274	0.182	23.2
Left side	100	QPSK 135_69	518598/2592.99	1:1	0.000	-0.02	17.15	18.20	1.274	0.000	23.2
Right side	100	QPSK 135_69	518598/2592.99	1:1	0.000	0.03	17.15	18.20	1.274	0.000	23.2
Bottom side	100	QPSK 135_69	518598/2592.99	1:1	0.216	0.10	17.15	18.20	1.274	0.275	23.2

Table 27: SAR of 5G NR n41 (PC3) for Head, Body and Hotspot is covering FR1 n38.

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Report No.: SUCR241200055201

Rev.: 01

Page: 104 of 130

8.2.19 SAR Result of 5G NR n66

SA N66 SAR Test Record											
Ant 1 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	349000/1745	1:1	0.505	0.03	22.16	23.20	1.271	0.642	22.6
Left tilted	40	QPSK 1_1	349000/1745	1:1	0.666	0.04	22.16	23.20	1.271	0.846	22.6
Right cheek	40	QPSK 1_1	349000/1745	1:1	0.702	0.06	22.16	23.20	1.271	0.892	22.6
Right tilted	40	QPSK 1_1	349000/1745	1:1	0.789	0.09	22.16	23.20	1.271	1.002	22.6
Head Test data(50%RB)											
Left cheek	40	QPSK 108_54	349000/1745	1:1	0.527	0.01	22.07	23.20	1.297	0.684	22.6
Left tilted	40	QPSK 108_54	349000/1745	1:1	0.679	0.06	22.07	23.20	1.297	0.881	22.6
Right cheek	40	QPSK 108_54	349000/1745	1:1	0.723	0.04	22.07	23.20	1.297	0.938	22.6
Right tilted	40	QPSK 108_54	349000/1745	1:1	0.800	0.09	22.07	23.20	1.297	1.038	22.6
Head Test data(50%RB) WWAN+WLAN5G+BT											
Left cheek	40	QPSK 108_54	349000/1745	1:1	0.527	0.01	22.07	18.20	0.410	0.216	22.6
Left tilted	40	QPSK 108_54	349000/1745	1:1	0.679	0.06	22.07	18.20	0.410	0.279	22.6
Right cheek	40	QPSK 108_54	349000/1745	1:1	0.723	0.04	22.07	18.20	0.410	0.297	22.6
Right tilted	40	QPSK 108_54	349000/1745	1:1	0.800	0.09	22.07	18.20	0.410	0.328	22.6
Head Test data(100%RB)											
Right tilted	40	QPSK 100_0	349000/1745	1:1	0.778	0.01	22.06	23.20	1.300	1.012	22.6
Body worn Test data(Separate 15mm 1RB)											
Front side	40	QPSK 1_1	349000/1745	1:1	0.062	0.03	21.83	22.90	1.279	0.079	22.6
Back side	40	QPSK 1_1	349000/1745	1:1	0.139	0.10	21.83	22.90	1.279	0.178	22.6
Body worn Test data(Separate 15mm 50%RB)											
Front side	40	QPSK 108_54	349000/1745	1:1	0.076	-0.02	21.63	22.90	1.340	0.102	22.6
Back side	40	QPSK 108_54	349000/1745	1:1	0.145	0.04	21.63	22.90	1.340	0.194	22.6
Hotspot Test data(Separate 10mm 1RB)											
Front side	40	QPSK 1_1	349000/1745	1:1	0.041	0.05	16.93	17.90	1.250	0.051	22.6
Back side	40	QPSK 1_1	349000/1745	1:1	0.080	0.07	16.93	17.90	1.250	0.100	22.6
Left side	40	QPSK 1_1	349000/1745	1:1	0.000	0.01	16.93	17.90	1.250	0.000	22.6
Top side	40	QPSK 1_1	349000/1745	1:1	0.127	0.03	16.93	17.90	1.250	0.159	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	40	QPSK 108_54	349000/1745	1:1	0.049	0.04	16.76	17.90	1.300	0.064	22.6
Back side	40	QPSK 108_54	349000/1745	1:1	0.092	0.10	16.76	17.90	1.300	0.120	22.6
Left side	40	QPSK 108_54	349000/1745	1:1	0.000	-0.02	16.76	17.90	1.300	0.000	22.6
Top side	40	QPSK 108_54	349000/1745	1:1	0.132	0.08	16.76	17.90	1.300	0.172	22.6
Ant 3 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	349000/1745	1:1	0.122	0.03	24.22	25.20	1.253	0.153	22.6

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Report No.: SUCR241200055201

Rev.: 01

Page: 105 of 130

Left tilted	40	QPSK 1_1	349000/1745	1:1	0.074	0.07	24.22	25.20	1.253	0.093	22.6
Right cheek	40	QPSK 1_1	349000/1745	1:1	0.113	0.01	24.22	25.20	1.253	0.142	22.6
Right tilted	40	QPSK 1_1	349000/1745	1:1	0.077	0.03	24.22	25.20	1.253	0.096	22.6
Head Test data(50%RB)											
Left cheek	40	QPSK 108_54	349000/1745	1:1	0.130	-0.01	24.15	25.20	1.274	0.166	22.6
Left tilted	40	QPSK 108_54	349000/1745	1:1	0.079	0.04	24.15	25.20	1.274	0.101	22.6
Right cheek	40	QPSK 108_54	349000/1745	1:1	0.125	0.05	24.15	25.20	1.274	0.159	22.6
Right tilted	40	QPSK 108_54	349000/1745	1:1	0.088	0.06	24.15	25.20	1.274	0.112	22.6
Body worn Test data(Separate 15mm 1RB)											
Front side	40	QPSK 1_1	349000/1745	1:1	0.165	0.00	22.72	23.70	1.253	0.207	22.6
Back side	40	QPSK 1_1	349000/1745	1:1	0.153	0.07	22.72	23.70	1.253	0.192	22.6
Body worn Test data (Separate 15mm 50%RB)											
Front side	40	QPSK 108_54	349000/1745	1:1	0.206	0.03	22.56	23.70	1.300	0.268	22.6
Back side	40	QPSK 108_54	349000/1745	1:1	0.216	0.04	22.56	23.70	1.300	0.281	22.6
Hotspot Test data(Separate 10mm 1RB)											
Front side	40	QPSK 1_1	349000/1745	1:1	0.114	-0.01	17.74	18.70	1.247	0.142	22.6
Back side	40	QPSK 1_1	349000/1745	1:1	0.118	0.10	17.74	18.70	1.247	0.147	22.6
Left side	40	QPSK 1_1	349000/1745	1:1	0.000	0.02	17.74	18.70	1.247	0.000	22.6
Right side	40	QPSK 1_1	349000/1745	1:1	0.000	-0.02	17.74	18.70	1.247	0.000	22.6
Bottom side	40	QPSK 1_1	349000/1745	1:1	0.190	0.09	17.74	18.70	1.247	0.237	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	40	QPSK 108_54	349000/1745	1:1	0.121	-0.01	17.55	18.70	1.303	0.158	22.6
Back side	40	QPSK 108_54	349000/1745	1:1	0.126	0.10	17.55	18.70	1.303	0.164	22.6
Left side	40	QPSK 108_54	349000/1745	1:1	0.000	0.01	17.55	18.70	1.303	0.000	22.6
Right side	40	QPSK 108_54	349000/1745	1:1	0.000	-0.01	17.55	18.70	1.303	0.000	22.6
Bottom side	40	QPSK 108_54	349000/1745	1:1	0.203	0.10	17.55	18.70	1.303	0.265	22.6
Ant 4 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	40	QPSK 1_1	349000/1745	1:1	0.229	0.01	22.52	23.20	1.169	0.268	22.6
Left tilted	40	QPSK 1_1	349000/1745	1:1	0.071	0.04	22.52	23.20	1.169	0.083	22.6
Right cheek	40	QPSK 1_1	349000/1745	1:1	0.489	0.01	22.52	23.20	1.169	0.572	22.6
Right tilted	40	QPSK 1_1	349000/1745	1:1	0.343	0.07	22.52	23.20	1.169	0.401	22.6
Head Test data(50%RB)											
Left cheek	40	QPSK 108_54	349000/1745	1:1	0.240	0.02	22.39	23.20	1.205	0.289	22.6
Left tilted	40	QPSK 108_54	349000/1745	1:1	0.085	0.10	22.39	23.20	1.205	0.102	22.6
Right cheek	40	QPSK 108_54	349000/1745	1:1	0.497	0.04	22.39	23.20	1.205	0.599	22.6
Right tilted	40	QPSK 108_54	349000/1745	1:1	0.337	0.05	22.39	23.20	1.205	0.406	22.6
Body worn Test data(Separate 15mm 1RB)											
Front side	40	QPSK 1_1	349000/1745	1:1	0.041	0.02	21.29	22.20	1.233	0.051	22.6
Back side	40	QPSK 1_1	349000/1745	1:1	0.082	0.11	21.29	22.20	1.233	0.101	22.6
Body worn Test data (Separate 15mm 50%RB)											

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 106 of 130

Front side	40	QPSK 108_54	349000/1745	1:1	0.050	0.04	21.16	22.20	1.271	0.064	22.6
Back side	40	QPSK 108_54	349000/1745	1:1	0.089	0.03	21.16	22.20	1.271	0.113	22.6
Hotspot Test data(Separate 10mm 1RB)											
Front side	40	QPSK 1_1	349000/1745	1:1	0.000	0.01	16.41	17.20	1.199	0.000	22.6
Back side	40	QPSK 1_1	349000/1745	1:1	0.055	0.08	16.41	17.20	1.199	0.066	22.6
Left side	40	QPSK 1_1	349000/1745	1:1	0.083	0.02	16.41	17.20	1.199	0.100	22.6
Top side	40	QPSK 1_1	349000/1745	1:1	0.000	0.09	16.41	17.20	1.199	0.000	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	40	QPSK 108_54	349000/1745	1:1	0.000	0.05	16.32	17.20	1.225	0.000	22.6
Back side	40	QPSK 108_54	349000/1745	1:1	0.062	0.10	16.32	17.20	1.225	0.076	22.6
Left side	40	QPSK 108_54	349000/1745	1:1	0.090	0.02	16.32	17.20	1.225	0.110	22.6
Top side	40	QPSK 108_54	349000/1745	1:1	0.000	0.01	16.32	17.20	1.225	0.000	22.6

Table 28: SAR of 5G NR n66 for Head, Body and Hotspot.

Test Position	Channel/ Frequency (MHz)	Measured SAR (1g)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
			SAR (1g)		SAR (1g)	SAR (1g)
Right tilted	349000/1745	0.8	0.783	1.021711367	N/A	N/A

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

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

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

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

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 107 of 130

8.2.20 SAR Result of 5G NR n71

SA N71 SAR Test Record											
Ant 0 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	0.000	0.01	23.46	25.20	1.493	0.000	22.8
Left tilted	20	QPSK 1_1	136100/680.5	1:1	0.000	0.10	23.46	25.20	1.493	0.000	22.8
Right cheek	20	QPSK 1_1	136100/680.5	1:1	0.000	0.04	23.46	25.20	1.493	0.000	22.8
Right tilted	20	QPSK 1_1	136100/680.5	1:1	0.000	-0.03	23.46	25.20	1.493	0.000	22.8
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	136100/680.5	1:1	0.000	0.05	23.45	25.20	1.496	0.000	22.8
Left tilted	20	QPSK 50_28	136100/680.5	1:1	0.000	0.08	23.45	25.20	1.496	0.000	22.8
Right cheek	20	QPSK 50_28	136100/680.5	1:1	0.009	0.03	23.45	25.20	1.496	0.013	22.8
Right tilted	20	QPSK 50_28	136100/680.5	1:1	0.000	0.01	23.45	25.20	1.496	0.000	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.042	0.06	23.46	25.20	1.493	0.063	22.7
Back side	20	QPSK 1_1	136100/680.5	1:1	0.054	0.01	23.46	25.20	1.493	0.081	22.7
Body worn Test data(Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	1:1	0.048	0.05	23.45	25.20	1.496	0.072	22.7
Back side	20	QPSK 50_28	136100/680.5	1:1	0.058	-0.03	23.45	25.20	1.496	0.087	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.056	0.03	23.46	25.20	1.493	0.084	22.7
Back side	20	QPSK 1_1	136100/680.5	1:1	0.073	-0.01	23.46	25.20	1.493	0.109	22.7
Left side	20	QPSK 1_1	136100/680.5	1:1	0.000	0.04	23.46	25.20	1.493	0.000	22.7
Right side	20	QPSK 1_1	136100/680.5	1:1	0.000	0.07	23.46	25.20	1.493	0.000	22.7
Bottom side	20	QPSK 1_1	136100/680.5	1:1	0.000	0.00	23.46	25.20	1.493	0.000	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	136100/680.5	1:1	0.067	0.06	23.45	25.20	1.496	0.100	22.7
Back side	20	QPSK 50_0	136100/680.5	1:1	0.074	0.02	23.45	25.20	1.496	0.111	22.7
Right side	20	QPSK 50_0	136100/680.5	1:1	0.000	0.09	23.45	25.20	1.496	0.000	22.7
Bottom side	20	QPSK 50_0	136100/680.5	1:1	0.000	-0.03	23.45	25.20	1.496	0.000	22.7
Ant 1 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	0.198	0.07	23.88	25.20	1.355	0.268	22.8
Left tilted	20	QPSK 1_1	136100/680.5	1:1	0.232	0.02	23.88	25.20	1.355	0.314	22.8
Right cheek	20	QPSK 1_1	136100/680.5	1:1	0.242	0.04	23.88	25.20	1.355	0.328	22.8
Right tilted	20	QPSK 1_1	136100/680.5	1:1	0.239	-0.02	23.88	25.20	1.355	0.324	22.8
Head Test data(50%RB)											
Left cheek	20	QPSK 50_28	136100/680.5	1:1	0.207	0.06	23.87	25.20	1.358	0.281	22.8
Left tilted	20	QPSK 50_28	136100/680.5	1:1	0.240	0.04	23.87	25.20	1.358	0.326	22.8

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR241200055201

Rev.: 01

Page: 108 of 130

Right cheek	20	QPSK 50_28	136100/680.5	1:1	0.281	0.09	23.87	25.20	1.358	0.382	22.8
Right tilted	20	QPSK 50_28	136100/680.5	1:1	0.244	-0.01	23.87	25.20	1.358	0.331	22.8
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.056	0.06	23.88	25.20	1.355	0.076	22.7
Back side	20	QPSK 1_1	136100/680.5	1:1	0.064	0.02	23.88	25.20	1.355	0.087	22.7
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	1:1	0.066	0.07	23.87	25.20	1.358	0.090	22.7
Back side	20	QPSK 50_28	136100/680.5	1:1	0.087	0.01	23.87	25.20	1.358	0.118	22.7
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	1:1	0.064	0.08	23.88	25.20	1.355	0.087	22.7
Back side	20	QPSK 1_1	136100/680.5	1:1	0.072	0.04	23.88	25.20	1.355	0.098	22.7
Left side	20	QPSK 1_1	136100/680.5	1:1	0.000	0.07	23.88	25.20	1.355	0.000	22.7
Top side	20	QPSK 1_1	136100/680.5	1:1	0.040	0.03	23.88	25.20	1.355	0.054	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	1:1	0.063	0.05	23.87	25.20	1.358	0.086	22.7
Back side	20	QPSK 50_28	136100/680.5	1:1	0.070	-0.01	23.87	25.20	1.358	0.095	22.7
Left side	20	QPSK 50_28	136100/680.5	1:1	0.000	0.06	23.87	25.20	1.358	0.000	22.7
Top side	20	QPSK 50_28	136100/680.5	1:1	0.046	0.02	23.87	25.20	1.358	0.062	22.7

Table 29: SAR of 5G NR n71 for Head, Body and Hotspot.

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Report No.: SUCR241200055201

Rev.: 01

Page: 109 of 130

8.2.21 SAR Result of WIFI 2.4G

Wi-Fi 2.4G SAR Test Record											
Ant 8 Test Record chain0											
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	97.79%	1.023	0.003	0.02	16.59	17.50	1.233	0.004	22.8
Left tilted	802.11b	6/2437	97.79%	1.023	0.005	0.08	16.59	17.50	1.233	0.006	22.8
Right cheek	802.11b	6/2437	97.79%	1.023	0.185	0.02	16.59	17.50	1.233	0.233	22.8
Right tilted	802.11b	6/2437	97.79%	1.023	0.239	0.04	16.59	17.50	1.233	0.301	22.8
Body worn Test data(Separate 15mm)											
Front side	802.11b	6/2437	97.79%	1.023	0.066	0.01	16.59	17.50	1.233	0.083	23.1
Back side	802.11b	6/2437	97.79%	1.023	0.081	0.04	16.59	17.50	1.233	0.102	23.1
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	97.79%	1.023	0.105	-0.02	16.59	17.50	1.233	0.132	23.1
Back side	802.11b	6/2437	97.79%	1.023	0.156	0.06	16.59	17.50	1.233	0.197	23.1
Left side	802.11b	6/2437	97.79%	1.023	0.020	-0.02	16.59	17.50	1.233	0.025	23.1
Right side	802.11b	6/2437	97.79%	1.023	0.139	0.05	16.59	17.50	1.233	0.175	23.1
Top side	802.11b	6/2437	97.79%	1.023	0.103	0.10	16.59	17.50	1.233	0.130	23.1

Table 30: SAR of WIFI 2.4G for Head, Body and Hotspot.

Note: When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

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Report No.: SUCR241200055201

Rev.: 01

Page: 110 of 130

8.2.22 SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record											
Ant 8 Test Record chain0											
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	64/5320	99.43%	1.006	0.290	0.04	11.08	12.50	1.387	0.404	23.3
Left tilted	802.11a	64/5320	99.43%	1.006	0.367	0.11	11.08	12.50	1.387	0.512	23.3
Right cheek	802.11a	64/5320	99.43%	1.006	0.316	0.04	11.08	12.50	1.387	0.441	23.3
Right tilted	802.11a	64/5320	99.43%	1.006	0.239	0.09	11.08	12.50	1.387	0.333	23.3
Head Test data of U-NII-2C											
Left cheek	802.11a	140/5700	99.43%	1.006	0.090	0.03	15.31	15.50	1.045	0.095	23.1
Left tilted	802.11a	140/5700	99.43%	1.006	0.618	0.03	15.31	15.50	1.045	0.649	23.1
Right cheek	802.11a	140/5700	99.43%	1.006	0.057	0.04	15.31	15.50	1.045	0.060	23.1
Right tilted	802.11a	140/5700	99.43%	1.006	0.067	0.10	15.31	15.50	1.045	0.070	23.1
Head Test data of U-NII-3											
Left cheek	802.11a	165/5825	99.43%	1.006	0.405	0.05	16.01	16.50	1.119	0.456	22.9
Left tilted	802.11a	165/5825	99.43%	1.006	0.525	0.07	16.01	16.50	1.119	0.591	22.9
Right cheek	802.11a	165/5825	99.43%	1.006	0.308	-0.01	16.01	16.50	1.119	0.347	22.9
Right tilted	802.11a	165/5825	99.43%	1.006	0.240	0.06	16.01	16.50	1.119	0.270	22.9
Body worn Test data of U-NII-2A(Separate 15mm)											
Front side	802.11a	64/5320	99.43%	1.006	0.058	0.02	12.45	14.00	1.429	0.083	23.3
Back side	802.11a	64/5320	99.43%	1.006	0.102	0.07	12.45	14.00	1.429	0.147	23.3
Body worn Test data of U-NII-2C(Separate 15mm)											
Front side	802.11a	140/5700	99.43%	1.006	0.153	-0.01	15.65	16.00	1.084	0.167	23.1
Back side	802.11a	140/5700	99.43%	1.006	0.317	0.10	15.65	16.00	1.084	0.346	23.1
Body worn Test data of U-NII-3(Separate 15mm)											
Front side	802.11a	165/5825	99.43%	1.006	0.093	0.00	16.01	16.50	1.119	0.105	22.9
Back side	802.11a	165/5825	99.43%	1.006	0.106	0.07	16.01	16.50	1.119	0.119	22.9
Hotspot Test data of U-NII-1(Separate 10mm)											
Front side	802.11a	48/5240	99.43%	1.006	0.109	0.06	12.37	14.00	1.455	0.160	23.3
Back side	802.11a	48/5240	99.43%	1.006	0.209	0.04	12.37	14.00	1.455	0.306	23.3
Left side	802.11a	48/5240	99.43%	1.006	0.086	0.04	12.37	14.00	1.455	0.126	23.3
Right side	802.11a	48/5240	99.43%	1.006	0.109	-0.01	12.37	14.00	1.455	0.160	23.3
Top side	802.11a	48/5240	99.43%	1.006	0.222	0.04	12.37	14.00	1.455	0.325	23.3
Hotspot Test data of U-NII-3(Separate 10mm)											
Front side	802.11a	165/5825	99.43%	1.006	0.094	0.02	16.01	16.50	1.119	0.106	22.9
Back side	802.11a	165/5825	99.43%	1.006	0.226	0.06	16.01	16.50	1.119	0.254	22.9
Left side	802.11a	165/5825	99.43%	1.006	0.141	0.04	16.01	16.50	1.119	0.159	22.9
Right side	802.11a	165/5825	99.43%	1.006	0.114	0.01	16.01	16.50	1.119	0.128	22.9
Top side	802.11a	165/5825	99.43%	1.006	0.322	0.11	16.01	16.50	1.119	0.363	22.9

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