

### 8.2.5 SAR Result of WCDMA Band V

Ant 11 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 DSI2										
Left cheek	RMC	4182/836.4	1:1	0.536	0.08	22.51	23.70	1.315	<b>0.705</b>	22.2
Left tilted	RMC	4182/836.4	1:1	0.065	0.05	22.51	23.70	1.315	0.085	22.2
Right cheek	RMC	4182/836.4	1:1	0.216	0.17	22.51	23.70	1.315	0.284	22.2
Right tilted	RMC	4182/836.4	1:1	0.044	-0.09	22.51	23.70	1.315	0.057	22.2
Head Test Data DSI3										
Left cheek	RMC	4182/836.4	1:1	0.536	0.08	22.51	23.20	1.172	0.628	22.2
Left tilted	RMC	4182/836.4	1:1	0.065	0.05	22.51	23.20	1.172	0.076	22.2
Right cheek	RMC	4182/836.4	1:1	0.216	0.17	22.51	23.20	1.172	0.253	22.2
Right tilted	RMC	4182/836.4	1:1	0.044	-0.09	22.51	23.20	1.172	0.051	22.2
Body worn Test data(Separate 15mm) DSI4										
Front side	RMC	4182/836.4	1:1	0.212	0.02	24.06	25.20	1.300	0.276	22.2
Back side	RMC	4182/836.4	1:1	0.366	-0.05	24.06	25.20	1.300	<b>0.476</b>	22.2
Hotspot Test data(Separate 10mm) DSI6										
Front side	RMC	4182/836.4	1:1	0.228	0.00	22.51	23.70	1.315	0.300	22.2
Back side	RMC	4182/836.4	1:1	0.424	-0.18	22.51	23.70	1.315	0.558	22.2
Left side	RMC	4182/836.4	1:1	0.572	-0.08	22.51	23.70	1.315	<b>0.752</b>	22.2
Left side with SIM2	RMC	4182/836.4	1:1	0.470	-0.02	22.51	23.70	1.315	0.618	22.2
Ant 41 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 DSI2										
Left cheek	RMC	4182/836.4	1:1	0.179	0.07	24.08	25.00	1.236	0.221	22.2
Left tilted	RMC	4182/836.4	1:1	0.084	0.13	24.08	25.00	1.236	0.104	22.2
Right cheek	RMC	4182/836.4	1:1	0.169	0.08	24.08	25.00	1.236	0.209	22.2
Right tilted	RMC	4182/836.4	1:1	0.075	0.14	24.08	25.00	1.236	0.093	22.2
Body worn Test data(Separate 15mm) DSI4										
Front side	RMC	4182/836.4	1:1	0.151	-0.07	24.08	25.00	1.236	0.187	22.2
Back side	RMC	4182/836.4	1:1	0.198	0.04	24.08	25.00	1.236	0.245	22.2
Hotspot Test data(Separate 10mm) DSI6										
Front side	RMC	4182/836.4	1:1	0.157	0.02	23.07	24.00	1.239	0.194	22.2
Back side	RMC	4182/836.4	1:1	0.247	-0.03	23.07	24.00	1.239	0.306	22.2
Left side	RMC	4182/836.4	1:1	0.163	0.05	23.07	24.00	1.239	0.202	22.2
Bottom side	RMC	4182/836.4	1:1	0.128	0.10	23.07	24.00	1.239	0.159	22.2

Table 15: SAR of WCDMA Band V for Head and Body.



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### 8.2.6 SAR Result of LTE Band 2

Ant 14 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) DSI 2											
Left cheek	20	QPSK 1_0	18700/1860	1:1	0.382	-0.17	17.40	18.90	1.413	0.540	21.6
Left tilted	20	QPSK 1_0	18700/1860	1:1	0.398	-0.02	17.40	18.90	1.413	0.562	21.9
Right cheek	20	QPSK 1_0	18700/1860	1:1	0.579	0.03	17.40	18.90	1.413	0.818	21.3
Right tilted	20	QPSK 1_0	18700/1860	1:1	0.471	-0.04	17.40	18.90	1.413	0.665	21.9
Right cheek	20	QPSK 1_50	18900/1880	1:1	0.597	-0.10	17.30	18.90	1.445	0.863	21.3
Right cheek	20	QPSK 1_50	19100/1900	1:1	0.599	0.00	17.31	18.90	1.442	<b>0.864</b>	21.3
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_50	19100/1900	1:1	0.400	-0.11	17.59	18.90	1.352	0.541	21.6
Left tilted	20	QPSK 50_50	19100/1900	1:1	0.418	-0.01	17.59	18.90	1.352	0.565	21.9
Right cheek	20	QPSK 50_50	19100/1900	1:1	0.601	0.04	17.59	18.90	1.352	0.813	21.3
Right tilted	20	QPSK 50_50	19100/1900	1:1	0.543	0.00	17.59	18.90	1.352	0.734	21.9
Right cheek	20	QPSK 50_25	18700/1860	1:1	0.575	0.03	17.53	18.90	1.371	0.788	21.3
Right cheek	20	QPSK 50_50	18900/1880	1:1	0.594	0.02	17.44	18.90	1.400	0.831	21.3
Head Test Data (100%RB) DSI 2											
Right cheek	20	QPSK 100_0	18700/1860	1:1	0.576	0.00	17.50	18.90	1.380	0.795	21.3
Head Test Data (1RB) DSI 3											
Left cheek	20	QPSK 1_0	18700/1860	1:1	0.382	-0.17	17.40	17.90	1.122	0.429	21.6
Left tilted	20	QPSK 1_0	18700/1860	1:1	0.398	-0.02	17.40	17.90	1.122	0.447	21.9
Right cheek	20	QPSK 1_0	18700/1860	1:1	0.579	0.03	17.40	17.90	1.122	0.650	21.3
Right tilted	20	QPSK 1_0	18700/1860	1:1	0.471	-0.04	17.40	17.90	1.122	0.528	21.9
Right cheek	20	QPSK 1_50	18900/1880	1:1	0.597	-0.10	17.30	17.90	1.148	0.685	21.3
Right cheek	20	QPSK 1_50	19100/1900	1:1	0.599	0.00	17.31	17.90	1.146	0.686	21.3
Head Test Data (50%RB) DSI 3											
Left cheek	20	QPSK 50_50	19100/1900	1:1	0.400	-0.11	17.59	17.90	1.074	0.430	21.6
Left tilted	20	QPSK 50_50	19100/1900	1:1	0.418	-0.01	17.59	17.90	1.074	0.449	21.9
Right cheek	20	QPSK 50_50	19100/1900	1:1	0.601	0.04	17.59	17.90	1.074	0.645	21.3
Right tilted	20	QPSK 50_50	19100/1900	1:1	0.543	0.00	17.59	17.90	1.074	0.583	21.9
Right cheek	20	QPSK 50_25	18700/1860	1:1	0.575	0.03	17.53	17.90	1.089	0.626	21.3
Right cheek	20	QPSK 50_50	18900/1880	1:1	0.594	0.02	17.44	17.90	1.112	0.660	21.3
Head Test Data (100%RB) DSI 3											
Right cheek	20	QPSK 100_0	18700/1860	1:1	0.576	0.00	17.50	17.90	1.096	0.632	21.3
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_50	18700/1860	1:1	0.240	-0.08	23.70	24.90	1.318	0.316	21.5
Back side	20	QPSK 1_50	18700/1860	1:1	0.280	-0.04	23.70	24.90	1.318	<b>0.369</b>	21.6
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_25	18700/1860	1:1	0.191	-0.07	22.72	23.90	1.312	0.251	21.5
Back side	20	QPSK 50_25	18700/1860	1:1	0.232	0.05	22.72	23.90	1.312	0.304	21.6
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_50	18700/1860	1:1	0.199	-0.03	19.25	20.90	1.462	0.291	21.5
Back side	20	QPSK 1_50	18700/1860	1:1	0.255	0.02	19.25	20.90	1.462	0.373	21.6
Left side	20	QPSK 1_50	18700/1860	1:1	0.064	0.01	19.25	20.90	1.462	0.094	21.6
Top side	20	QPSK 1_50	18700/1860	1:1	0.364	-0.17	19.25	20.90	1.462	0.532	21.6
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	18900/1880	1:1	0.204	-0.09	19.45	20.90	1.396	0.285	21.5



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Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Back side	20	QPSK 50_50	18900/1880	1:1	0.255	0.12	19.45	20.90	1.396	0.356	21.6
Left side	20	QPSK 50_50	18900/1880	1:1	0.066	0.01	19.45	20.90	1.396	0.092	21.6
Top side	20	QPSK 50_50	18900/1880	1:1	0.358	-0.05	19.45	20.90	1.396	0.500	21.6
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 4											
Top side	20	QPSK 1_0	18700/1860	1:1	1.730	-0.05	20.81	22.40	1.442	2.495	21.5
Top side	20	QPSK 1_0	18900/1880	1:1	1.820	-0.01	20.78	22.40	1.452	2.643	21.5
Top side	20	QPSK 1_50	19100/1900	1:1	1.780	-0.02	20.65	22.40	1.496	<b>2.663</b>	21.5
Top side with SIM 2	20	QPSK 1_50	19100/1900	1:1	1.750	-0.05	20.65	22.40	1.496	2.618	21.5
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 4											
Top side	20	QPSK 50_25	18700/1860	1:1	1.800	0.02	20.90	22.40	1.413	2.543	21.5
Top side	20	QPSK 50_50	18900/1880	1:1	1.840	0.00	20.85	22.40	1.429	2.629	21.5
Top side	20	QPSK 50_0	19100/1900	1:1	1.800	0.03	20.77	22.40	1.455	2.620	21.5
Product specific 10g SAR Test data (Separate 0mm 100%RB) Sensor on DSI 4											
Top side	20	QPSK 100_0	18700/1860	1:1	1.700	0.02	20.86	22.40	1.426	2.424	21.4
Product specific 10g SAR Test data (1RB) Sensor off DSI 7											
Top side 11mm	20	QPSK 1_50	18700/1860	1:1	0.418	-0.06	23.70	24.90	1.318	0.551	21.5
Product specific 10g SAR Test data (50%RB) Sensor off DSI 7											
Top side 11mm	20	QPSK 50_25	18700/1860	1:1	0.342	-0.01	22.72	23.90	1.312	0.449	21.5
Ant 31 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) DSI 2											
Left cheek	20	QPSK 1_99	18900/1880	1:1	0.125	-0.07	23.30	24.80	1.413	0.177	21.8
Left tilted	20	QPSK 1_99	18900/1880	1:1	0.066	-0.11	23.30	24.80	1.413	0.093	21.8
Right cheek	20	QPSK 1_99	18900/1880	1:1	0.076	0.18	23.30	24.80	1.413	0.107	21.3
Right tilted	20	QPSK 1_99	18900/1880	1:1	0.071	0.12	23.30	24.80	1.413	0.100	21.8
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_25	18900/1880	1:1	0.097	-0.02	22.45	23.80	1.365	0.132	21.8
Left tilted	20	QPSK 50_25	18900/1880	1:1	0.053	-0.01	22.45	23.80	1.365	0.072	21.8
Right cheek	20	QPSK 50_25	18900/1880	1:1	0.058	-0.08	22.45	23.80	1.365	0.079	21.3
Right tilted	20	QPSK 50_25	18900/1880	1:1	0.056	0.02	22.45	23.80	1.365	0.076	21.8
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_50	18900/1880	1:1	0.168	0.06	20.80	22.30	1.413	0.237	21.4
Back side	20	QPSK 1_50	18900/1880	1:1	0.254	0.01	20.80	22.30	1.413	0.359	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_50	18700/1860	1:1	0.174	0.18	20.83	22.30	1.403	0.244	21.4
Back side	20	QPSK 50_50	18700/1860	1:1	0.246	0.06	20.83	22.30	1.403	0.345	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_0	18700/1860	1:1	0.248	-0.07	19.39	20.80	1.384	0.343	21.4
Back side	20	QPSK 1_0	18700/1860	1:1	0.306	0.01	19.39	20.80	1.384	0.423	21.9
Right side	20	QPSK 1_0	18700/1860	1:1	0.065	0.06	19.39	20.80	1.384	0.090	21.9
Bottom side	20	QPSK 1_0	18700/1860	1:1	0.408	-0.13	19.39	20.80	1.384	<b>0.564</b>	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_25	18700/1860	1:1	0.243	0.03	19.37	20.80	1.390	0.338	21.4
Back side	20	QPSK 50_25	18700/1860	1:1	0.321	0.10	19.37	20.80	1.390	0.446	21.9
Right side	20	QPSK 50_25	18700/1860	1:1	0.067	-0.19	19.37	20.80	1.390	0.093	21.9
Bottom side	20	QPSK 50_25	18700/1860	1:1	0.393	-0.01	19.37	20.80	1.390	0.546	21.9

Table 16: SAR of LTE Band 2 for Head and Body and Product specific 10g SAR.



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### 8.2.7 SAR Result of LTE Band 4

Ant 12 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) DSI 2											
Left cheek	20	QPSK 1_99	20175/1732.5	1:1	0.083	0.02	23.14	24.40	1.337	0.111	22.1
Left tilted	20	QPSK 1_99	20175/1732.5	1:1	0.033	-0.05	23.14	24.40	1.337	0.044	22.1
Right cheek	20	QPSK 1_99	20175/1732.5	1:1	0.248	0.09	23.14	24.40	1.337	<b>0.331</b>	22.1
Right tilted	20	QPSK 1_99	20175/1732.5	1:1	0.073	0.09	23.14	24.40	1.337	0.097	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_50	20175/1732.5	1:1	0.054	0.03	22.17	23.40	1.327	0.071	22.1
Left tilted	20	QPSK 50_50	20175/1732.5	1:1	0.022	-0.04	22.17	23.40	1.327	0.029	22.1
Right cheek	20	QPSK 50_50	20175/1732.5	1:1	0.184	-0.07	22.17	23.40	1.327	0.244	22.1
Right tilted	20	QPSK 50_50	20175/1732.5	1:1	0.058	-0.09	22.17	23.40	1.327	0.076	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_99	20175/1732.5	1:1	0.019	-0.14	23.14	24.40	1.337	0.025	22.1
Back side	20	QPSK 1_99	20175/1732.5	1:1	0.050	-0.05	23.14	24.40	1.337	<b>0.067</b>	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_50	20175/1732.5	1:1	0.011	0.15	22.17	23.40	1.327	0.015	22.1
Back side	20	QPSK 50_50	20175/1732.5	1:1	0.036	-0.14	22.17	23.40	1.327	0.048	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_99	20175/1732.5	1:1	0.047	-0.07	23.14	24.40	1.337	0.062	22.1
Back side	20	QPSK 1_99	20175/1732.5	1:1	0.138	-0.05	23.14	24.40	1.337	0.184	22.1
Left side	20	QPSK 1_99	20175/1732.5	1:1	0.190	0.08	23.14	24.40	1.337	<b>0.254</b>	22.1
Top side	20	QPSK 1_99	20175/1732.5	1:1	0.011	-0.06	23.14	24.40	1.337	0.015	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	20175/1732.5	1:1	0.039	-0.04	22.17	23.40	1.327	0.052	22.1
Back side	20	QPSK 50_50	20175/1732.5	1:1	0.093	-0.01	22.17	23.40	1.327	0.123	22.1
Left side	20	QPSK 50_50	20175/1732.5	1:1	0.121	-0.02	22.17	23.40	1.327	0.161	22.1
Top side	20	QPSK 50_50	20175/1732.5	1:1	0.010	0.01	22.17	23.40	1.327	0.013	22.1

Table 17: SAR of LTE Band 4 for Head and Body.



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### 8.2.1 SAR Result of LTE Band 5

Ant 11 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) DSI 2											
Left cheek	10	QPSK 1_0	20525/836.5	1:1	0.518	0.11	22.78	24.10	1.355	<b>0.702</b>	21.9
Left tilted	10	QPSK 1_0	20525/836.5	1:1	0.042	-0.17	22.78	24.10	1.355	0.057	21.9
Right cheek	10	QPSK 1_0	20525/836.5	1:1	0.222	-0.08	22.78	24.10	1.355	0.301	21.3
Right tilted	10	QPSK 1_0	20525/836.5	1:1	0.052	-0.01	22.78	24.10	1.355	0.070	21.9
Head Test Data (50%RB) DSI 2											
Left cheek	10	QPSK 25_25	20525/836.5	1:1	0.506	0.04	22.83	24.10	1.340	0.678	21.9
Left tilted	10	QPSK 25_25	20525/836.5	1:1	0.040	0.04	22.83	24.10	1.340	0.054	21.9
Right cheek	10	QPSK 25_25	20525/836.5	1:1	0.221	-0.02	22.83	24.10	1.340	0.296	21.3
Right tilted	10	QPSK 25_25	20525/836.5	1:1	0.050	0.19	22.83	24.10	1.340	0.067	21.9
Head Test Data (1RB) DSI 3											
Left cheek	10	QPSK 1_0	20525/836.5	1:1	0.518	0.11	22.78	23.10	1.076	0.558	21.9
Left tilted	10	QPSK 1_0	20525/836.5	1:1	0.042	-0.17	22.78	23.10	1.076	0.045	21.9
Right cheek	10	QPSK 1_0	20525/836.5	1:1	0.222	-0.08	22.78	23.10	1.076	0.239	21.3
Right tilted	10	QPSK 1_0	20525/836.5	1:1	0.052	-0.01	22.78	23.10	1.076	0.056	21.9
Head Test Data (50%RB) DSI 3											
Left cheek	10	QPSK 25_25	20525/836.5	1:1	0.506	0.04	22.83	23.10	1.064	0.538	21.9
Left tilted	10	QPSK 25_25	20525/836.5	1:1	0.040	0.04	22.83	23.10	1.064	0.043	21.9
Right cheek	10	QPSK 25_25	20525/836.5	1:1	0.221	-0.02	22.83	23.10	1.064	0.235	21.3
Right tilted	10	QPSK 25_25	20525/836.5	1:1	0.050	0.19	22.83	23.10	1.064	0.053	21.9
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	10	QPSK 1_25	20525/836.5	1:1	0.194	0.00	23.83	25.10	1.340	0.260	21.5
Back side	10	QPSK 1_25	20525/836.5	1:1	0.308	-0.04	23.83	25.10	1.340	<b>0.413</b>	21.6
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	10	QPSK 25_25	20525/836.5	1:1	0.168	0.00	23.42	24.10	1.169	0.196	21.5
Back side	10	QPSK 25_25	20525/836.5	1:1	0.271	0.05	23.42	24.10	1.169	0.317	21.6
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	10	QPSK 1_0	20525/836.5	1:1	0.258	0.00	22.78	24.10	1.355	0.350	21.5
Back side	10	QPSK 1_0	20525/836.5	1:1	0.404	-0.01	22.78	24.10	1.355	0.547	21.6
Left side	10	QPSK 1_0	20525/836.5	1:1	0.539	0.01	22.78	24.10	1.355	<b>0.730</b>	21.6
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	10	QPSK 25_25	20525/836.5	1:1	0.256	0.02	22.83	24.10	1.340	0.343	21.5
Back side	10	QPSK 25_25	20525/836.5	1:1	0.398	-0.12	22.83	24.10	1.340	0.533	21.6
Left side	10	QPSK 25_25	20525/836.5	1:1	0.514	0.00	22.83	24.10	1.340	0.689	21.6
Ant 41 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) DSI 2											
Left cheek	10	QPSK 1_25	20525/836.5	1:1	0.148	0.06	23.76	25.00	1.330	0.197	21.8
Left tilted	10	QPSK 1_25	20525/836.5	1:1	0.078	-0.01	23.76	25.00	1.330	0.104	21.8
Right cheek	10	QPSK 1_25	20525/836.5	1:1	0.125	-0.01	23.76	25.00	1.330	0.166	21.3
Right tilted	10	QPSK 1_25	20525/836.5	1:1	0.074	-0.09	23.76	25.00	1.330	0.098	21.3
Head Test Data (50%RB) DSI 2											
Left cheek	10	QPSK 25_0	20525/836.5	1:1	0.131	0.06	23.28	24.00	1.180	0.155	21.8
Left tilted	10	QPSK 25_0	20525/836.5	1:1	0.070	-0.02	23.28	24.00	1.180	0.083	21.8



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Right cheek	10	QPSK 25_0	20525/836.5	1:1	0.110	-0.08	23.28	24.00	1.180	0.130	21.3
Right tilted	10	QPSK 25_0	20525/836.5	1:1	0.063	0.03	23.28	24.00	1.180	0.074	21.3
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	10	QPSK 1_25	20525/836.5	1:1	0.138	0.00	23.76	25.00	1.330	0.184	21.4
Back side	10	QPSK 1_25	20525/836.5	1:1	0.180	-0.01	23.76	25.00	1.330	0.239	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	10	QPSK 25_0	20525/836.5	1:1	0.123	0.00	23.28	24.00	1.180	0.145	21.4
Back side	10	QPSK 25_0	20525/836.5	1:1	0.159	0.01	23.28	24.00	1.180	0.188	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	10	QPSK 1_25	20600/844	1:1	0.196	0.02	23.27	24.50	1.327	0.260	21.4
Back side	10	QPSK 1_25	20600/844	1:1	0.282	-0.03	23.27	24.50	1.327	0.374	21.9
Left side	10	QPSK 1_25	20600/844	1:1	0.121	0.01	23.27	24.50	1.327	0.161	21.9
Bottom side	10	QPSK 1_25	20600/844	1:1	0.140	-0.02	23.27	24.50	1.327	0.186	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	10	QPSK 25_13	20450/829	1:1	0.178	0.00	23.22	24.00	1.197	0.213	21.4
Back side	10	QPSK 25_13	20450/829	1:1	0.260	-0.03	23.22	24.00	1.197	0.311	21.9
Left side	10	QPSK 25_13	20450/829	1:1	0.105	0.03	23.22	24.00	1.197	0.126	21.9
Bottom side	10	QPSK 25_13	20450/829	1:1	0.124	0.00	23.22	24.00	1.197	0.148	21.9

Table 18: SAR of LTE Band 5 for Head and Body.



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### 8.2.2 SAR Result of LTE Band 7

Ant 12 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) DSI 2											
Left cheek	20	QPSK 1_50	20850/2510	1:1	0.191	0.06	20.05	21.60	1.429	0.273	22.4
Left tilted	20	QPSK 1_50	20850/2510	1:1	0.089	0.09	20.05	21.60	1.429	0.127	22.4
Right cheek	20	QPSK 1_50	20850/2510	1:1	0.525	-0.11	20.05	21.60	1.429	0.750	22.4
Right tilted	20	QPSK 1_50	20850/2510	1:1	0.180	0.02	20.05	21.60	1.429	0.257	22.4
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_25	20850/2510	1:1	0.189	0.04	20.02	21.60	1.439	0.272	22.4
Left tilted	20	QPSK 50_25	20850/2510	1:1	0.100	0.07	20.02	21.60	1.439	0.143	22.4
Right cheek	20	QPSK 50_25	20850/2510	1:1	0.565	0.04	20.02	21.60	1.439	0.813	22.4
Right tilted	20	QPSK 50_25	20850/2510	1:1	0.189	0.07	20.02	21.60	1.439	0.272	22.4
Right cheek	20	QPSK 50_25	21100/2535	1:1	0.558	0.02	19.98	21.60	1.452	0.810	22.4
Right cheek	20	QPSK 50_25	21350/2560	1:1	0.544	0.02	19.84	21.60	1.500	0.816	22.4
Head Test Data (100%RB) DSI 2											
Right cheek	20	QPSK 100_0	21100/2535	1:1	0.556	0.02	19.96	21.60	1.459	0.811	22.4
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_50	20850/2510	1:1	0.147	0.07	23.61	25.10	1.409	0.207	22.4
Back side	20	QPSK 1_50	20850/2510	1:1	0.236	0.19	23.61	25.10	1.409	0.333	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_25	20850/2510	1:1	0.109	0.01	22.56	24.10	1.426	0.155	22.4
Back side	20	QPSK 50_25	20850/2510	1:1	0.181	0.12	22.56	24.10	1.426	0.258	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_50	20850/2510	1:1	0.090	0.02	19.07	20.60	1.422	0.127	22.4
Back side	20	QPSK 1_50	20850/2510	1:1	0.167	0.09	19.07	20.60	1.422	0.238	22.4
Left side	20	QPSK 1_50	20850/2510	1:1	0.167	0.06	19.07	20.60	1.422	0.238	22.4
Top side	20	QPSK 1_50	20850/2510	1:1	0.023	0.09	19.07	20.60	1.422	0.032	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_0	20850/2510	1:1	0.096	0.09	19.00	20.60	1.445	0.139	22.4
Back side	20	QPSK 50_0	20850/2510	1:1	0.171	0.07	19.00	20.60	1.445	0.247	22.4
Left side	20	QPSK 50_0	20850/2510	1:1	0.183	0.08	19.00	20.60	1.445	0.265	22.4
Top side	20	QPSK 50_0	20850/2510	1:1	0.028	0.04	19.00	20.60	1.445	0.040	22.4
Ant 14 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) DSI 2											
Left cheek	20	QPSK 1_50	21350/2560	1:1	0.277	0.02	15.89	17.20	1.352	0.375	22.1
Left tilted	20	QPSK 1_50	21350/2560	1:1	0.323	0.02	15.89	17.20	1.352	0.437	22.1
Right cheek	20	QPSK 1_50	21350/2560	1:1	0.528	-0.04	15.89	17.20	1.352	0.714	22.1
Right tilted	20	QPSK 1_50	21350/2560	1:1	0.598	0.02	15.89	17.20	1.352	0.809	22.1
Right tilted	20	QPSK 1_50	20850/2510	1:1	0.663	0.06	15.69	17.20	1.416	<b>0.939</b>	22.1
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.657	0.09	15.88	17.20	1.355	0.890	22.1
Right tilted	20	QPSK 1_99	21100/2535	1:1	0.554	-0.02	15.40	17.20	1.514	0.839	22.3
		QPSK 1_0	21298/2554.8								
Right tilted with SIM2	20	QPSK 1_50	20850/2510	1:1	0.663	0.06	15.69	17.20	1.416	0.939	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_50	21350/2560	1:1	0.277	-0.07	15.83	17.20	1.371	0.380	22.1



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Left tilted	20	QPSK 50_50	21350/2560	1:1	0.325	0.07	15.83	17.20	1.371	0.446	22.1
Right cheek	20	QPSK 50_50	21350/2560	1:1	0.529	0.10	15.83	17.20	1.371	0.725	22.1
Right tilted	20	QPSK 50_50	21350/2560	1:1	0.606	0.02	15.83	17.20	1.371	0.831	22.1
Right tilted	20	QPSK 50_50	20850/2510	1:1	0.611	-0.02	15.74	17.20	1.400	0.855	22.1
Right tilted	20	QPSK 50_50	21100/2535	1:1	0.674	0.07	15.77	17.20	1.390	0.937	22.1
Head Test Data (100%RB) DSI 2											
Right tilted	20	QPSK 100_0	21350/2560	1:1	0.617	0.02	15.81	17.20	1.377	0.850	22.1
Head Test Data (1RB) DSI 3											
Left cheek	20	QPSK 1_50	21350/2560	1:1	0.277	0.02	15.89	16.20	1.074	0.297	22.1
Left tilted	20	QPSK 1_50	21350/2560	1:1	0.323	0.02	15.89	16.20	1.074	0.347	22.1
Right cheek	20	QPSK 1_50	21350/2560	1:1	0.528	-0.04	15.89	16.20	1.074	0.567	22.1
Right tilted	20	QPSK 1_50	21350/2560	1:1	0.598	0.02	15.89	16.20	1.074	0.642	22.1
Right tilted	20	QPSK 1_50	20850/2510	1:1	0.663	0.06	15.69	16.20	1.125	0.746	22.1
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.657	0.09	15.88	16.20	1.076	0.707	22.1
Right tilted	20	QPSK 1_99	21100/2535	1:1	0.554	-0.02	15.40	16.20	1.202	0.666	22.3
		QPSK 1_0	21298/2554.8								
Right tilted with SIM2	20	QPSK 1_50	20850/2510	1:1	0.663	0.06	15.69	16.20	1.125	0.746	22.1
Head Test Data (50%RB) DSI 3											
Left cheek	20	QPSK 50_50	21350/2560	1:1	0.277	-0.07	15.83	16.20	1.089	0.302	22.1
Left tilted	20	QPSK 50_50	21350/2560	1:1	0.325	0.07	15.83	16.20	1.089	0.354	22.1
Right cheek	20	QPSK 50_50	21350/2560	1:1	0.529	0.10	15.83	16.20	1.089	0.576	22.1
Right tilted	20	QPSK 50_50	21350/2560	1:1	0.606	0.02	15.83	16.20	1.089	0.660	22.1
Right tilted	20	QPSK 50_50	20850/2510	1:1	0.611	-0.02	15.74	16.20	1.112	0.679	22.1
Right tilted	20	QPSK 50_50	21100/2535	1:1	0.674	0.07	15.77	16.20	1.104	0.744	22.1
Head Test Data (100%RB) DSI 3											
Right tilted	20	QPSK 100_0	21350/2560	1:1	0.617	0.02	15.81	16.20	1.094	0.675	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_50	21100/2535	1:1	0.351	0.04	23.46	24.70	1.330	0.467	21.9
Back side	20	QPSK 1_50	21100/2535	1:1	0.419	-0.03	23.46	24.70	1.330	<b>0.557</b>	21.9
Back side	20	QPSK 1_0	21350/2560	1:1	0.294	-0.07	23.02	24.70	1.472	0.433	22.3
		QPSK 1_99	21152/2540.2								
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_50	21350/2560	1:1	0.238	0.07	22.55	23.70	1.303	0.310	21.9
Back side	20	QPSK 50_50	21350/2560	1:1	0.279	-0.01	22.55	23.70	1.303	0.364	21.9
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_50	21350/2560	1:1	0.289	0.04	19.08	20.70	1.452	0.420	22.1
Back side	20	QPSK 1_50	21350/2560	1:1	0.275	0.01	19.08	20.70	1.452	0.399	22.1
Left side	20	QPSK 1_50	21350/2560	1:1	0.010	0.06	19.08	20.70	1.452	0.015	22.1
Top side	20	QPSK 1_50	21350/2560	1:1	0.383	0.07	19.08	20.70	1.452	0.556	22.1
Top side	20	QPSK 1_0	21100/2535	1:1	0.372	0.12	19.01	20.70	1.476	0.549	22.3
		QPSK 1_99	20902/2515.2								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	21350/2560	1:1	0.278	0.05	19.19	20.70	1.416	0.394	22.1
Back side	20	QPSK 50_50	21350/2560	1:1	0.268	0.03	19.19	20.70	1.416	0.379	22.1
Left side	20	QPSK 50_50	21350/2560	1:1	0.012	0.09	19.19	20.70	1.416	0.016	22.1
Top side	20	QPSK 50_50	21350/2560	1:1	0.393	0.02	19.19	20.70	1.416	<b>0.556</b>	22.1
<b>Ant 31 Test Record</b>											
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) DSI 2											
Left cheek	20	QPSK 1_50	21100/2535	1:1	0.160	0.03	23.22	24.80	1.259	0.201	22.5



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Left tilted	20	QPSK 1_50	21100/2535	1:1	0.127	0.12	23.22	24.80	1.259	0.160	22.5
Right cheek	20	QPSK 1_50	21100/2535	1:1	0.220	0.03	23.22	24.80	1.259	0.277	22.5
Right tilted	20	QPSK 1_50	21100/2535	1:1	0.176	0.15	23.22	24.80	1.259	0.222	22.1
Right cheek	20	QPSK 1_0	21350/2560	1:1	0.217	0.11	23.09	24.80	1.000	0.217	22.3
		QPSK 1_99	21152/2540.2								
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.121	0.07	22.35	23.80	1.259	0.152	22.5
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.098	0.02	22.35	23.80	1.259	0.123	22.5
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.311	0.02	22.35	23.80	1.259	0.392	22.5
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.149	-0.05	22.35	23.80	1.259	0.188	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_99	21350/2560	1:1	0.129	0.18	20.73	22.30	1.435	0.185	22.1
Back side	20	QPSK 1_99	21350/2560	1:1	0.144	0.06	20.73	22.30	1.435	0.207	22.1
Back side	20	QPSK 1_99	21100/2535	1:1	0.139	0.06	20.56	22.30	1.493	0.207	22.3
		QPSK 1_0	21298/2554.8								
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_50	21350/2560	1:1	0.134	0.16	20.77	22.30	1.422	0.191	22.1
Back side	20	QPSK 50_50	21350/2560	1:1	0.150	0.02	20.77	22.30	1.422	0.213	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_50	21350/2560	1:1	0.203	0.05	19.37	20.80	1.390	0.282	22.1
Back side	20	QPSK 1_50	21350/2560	1:1	0.267	0.05	19.37	20.80	1.390	0.371	22.1
Right side	20	QPSK 1_50	21350/2560	1:1	0.111	0.10	19.37	20.80	1.390	0.154	22.1
Bottom side	20	QPSK 1_50	21350/2560	1:1	0.194	0.09	19.37	20.80	1.390	0.270	22.1
Back side	20	QPSK 1_0	21350/2560	1:1	0.255	0.01	18.96	20.80	1.528	0.390	22.3
		QPSK 1_99	21152/2540.2								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_25	21350/2560	1:1	0.209	0.12	19.30	20.80	1.413	0.295	22.1
Back side	20	QPSK 50_25	21350/2560	1:1	0.276	0.01	19.30	20.80	1.413	0.390	22.1
Right side	20	QPSK 50_25	21350/2560	1:1	0.115	0.16	19.30	20.80	1.413	0.162	22.1
Bottom side	20	QPSK 50_25	21350/2560	1:1	0.201	0.07	19.30	20.80	1.413	0.284	22.1

Table 19: SAR of LTE Band 7 for Head and Body.



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### 8.2.3 SAR Result of LTE Band 12

Ant 11 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) DSI 2											
Left cheek	10	QPSK 1_0	23130/711	1:1	0.111	-0.17	23.89	25.20	1.352	<b>0.150</b>	21.9
Left tilted	10	QPSK 1_0	23130/711	1:1	0.010	0.02	23.89	25.20	1.352	0.014	21.9
Right cheek	10	QPSK 1_0	23130/711	1:1	0.051	-0.05	23.89	25.20	1.352	0.069	21.9
Right tilted	10	QPSK 1_0	23130/711	1:1	0.013	0.09	23.89	25.20	1.352	0.018	21.9
Head Test Data (50%RB) DSI 2											
Left cheek	10	QPSK 25_25	23060/704	1:1	0.086	0.00	22.98	24.20	1.324	0.114	21.9
Left tilted	10	QPSK 25_25	23060/704	1:1	0.008	-0.16	22.98	24.20	1.324	0.011	21.9
Right cheek	10	QPSK 25_25	23060/704	1:1	0.039	-0.05	22.98	24.20	1.324	0.052	21.9
Right tilted	10	QPSK 25_25	23060/704	1:1	0.010	0.11	22.98	24.20	1.324	0.013	21.9
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	10	QPSK 1_0	23130/711	1:1	0.032	0.18	23.89	25.20	1.352	0.043	21.5
Back side	10	QPSK 1_0	23130/711	1:1	0.055	0.03	23.89	25.20	1.352	0.074	21.6
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	10	QPSK 25_25	23060/704	1:1	0.024	0.04	22.98	24.20	1.324	0.032	21.5
Back side	10	QPSK 25_25	23060/704	1:1	0.043	-0.14	22.98	24.20	1.324	0.057	21.6
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	10	QPSK 1_0	23130/711	1:1	0.057	0.01	23.89	25.20	1.352	0.077	21.5
Back side	10	QPSK 1_0	23130/711	1:1	0.092	-0.09	23.89	25.20	1.352	0.124	21.6
Left side	10	QPSK 1_0	23130/711	1:1	0.124	0.01	23.89	25.20	1.352	0.168	21.6
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	10	QPSK 25_25	23060/704	1:1	0.044	0.05	22.98	24.20	1.324	0.058	21.5
Back side	10	QPSK 25_25	23060/704	1:1	0.072	0.06	22.98	24.20	1.324	0.095	21.6
Left side	10	QPSK 25_25	23060/704	1:1	0.097	-0.01	22.98	24.20	1.324	0.128	21.6
Ant 41 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) DSI 2											
Left cheek	10	QPSK 1_49	23095/707.5	1:1	0.089	0.08	23.87	25.00	1.297	0.115	21.8
Left tilted	10	QPSK 1_49	23095/707.5	1:1	0.047	-0.07	23.87	25.00	1.297	0.061	21.8
Right cheek	10	QPSK 1_49	23095/707.5	1:1	0.070	0.06	23.87	25.00	1.297	0.091	21.3
Right tilted	10	QPSK 1_49	23095/707.5	1:1	0.041	0.01	23.87	25.00	1.297	0.053	21.3
Head Test Data (50%RB) DSI 2											
Left cheek	10	QPSK 25_13	23095/707.5	1:1	0.064	0.07	22.93	24.00	1.279	0.082	21.8
Left tilted	10	QPSK 25_13	23095/707.5	1:1	0.034	-0.01	22.93	24.00	1.279	0.043	21.8
Right cheek	10	QPSK 25_13	23095/707.5	1:1	0.053	-0.13	22.93	24.00	1.279	0.068	21.3
Right tilted	10	QPSK 25_13	23095/707.5	1:1	0.030	-0.17	22.93	24.00	1.279	0.038	21.3
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	10	QPSK 1_49	23095/707.5	1:1	0.120	-0.02	23.87	25.00	1.297	0.156	21.4
Back side	10	QPSK 1_49	23095/707.5	1:1	0.125	0.06	23.87	25.00	1.297	<b>0.162</b>	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	10	QPSK 25_13	23095/707.5	1:1	0.088	0.01	22.93	24.00	1.279	0.113	21.4
Back side	10	QPSK 25_13	23095/707.5	1:1	0.093	0.03	22.93	24.00	1.279	0.119	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	10	QPSK 1_49	23095/707.5	1:1	0.117	0.05	23.87	25.00	1.297	0.152	21.4



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Back side	10	QPSK 1_49	23095/707.5	1:1	0.139	0.01	23.87	25.00	1.297	0.180	21.9
Left side	10	QPSK 1_49	23095/707.5	1:1	0.203	-0.01	23.87	25.00	1.297	<b>0.263</b>	21.9
Bottom side	10	QPSK 1_49	23095/707.5	1:1	0.060	0.03	23.87	25.00	1.297	0.078	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	10	QPSK 25_13	23095/707.5	1:1	0.086	-0.01	22.93	24.00	1.279	0.110	21.4
Back side	10	QPSK 25_13	23095/707.5	1:1	0.102	0.01	22.93	24.00	1.279	0.130	21.9
Left side	10	QPSK 25_13	23095/707.5	1:1	0.155	-0.05	22.93	24.00	1.279	0.198	21.9
Bottom side	10	QPSK 25_13	23095/707.5	1:1	0.044	0.06	22.93	24.00	1.279	0.056	21.9

Table 20: SAR of LTE Band 12 for Head and Body.



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### 8.2.4 SAR Result of LTE Band 13

Ant 11 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) DSI 2											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.166	0.15	23.73	25.00	1.340	<b>0.222</b>	21.9
Left tilted	10	QPSK 1_0	23230/782	1:1	0.015	-0.12	23.73	25.00	1.340	0.020	21.9
Right cheek	10	QPSK 1_0	23230/782	1:1	0.068	-0.08	23.73	25.00	1.340	0.091	21.9
Right tilted	10	QPSK 1_0	23230/782	1:1	0.018	0.10	23.73	25.00	1.340	0.024	21.9
Head Test Data (50%RB) DSI 2											
Left cheek	10	QPSK 25_25	23230/782	1:1	0.168	0.03	22.81	24.00	1.315	0.221	21.9
Left tilted	10	QPSK 25_25	23230/782	1:1	0.015	-0.02	22.81	24.00	1.315	0.020	21.9
Right cheek	10	QPSK 25_25	23230/782	1:1	0.068	0.06	22.81	24.00	1.315	0.089	21.9
Right tilted	10	QPSK 25_25	23230/782	1:1	0.018	0.05	22.81	24.00	1.315	0.024	21.9
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	10	QPSK 1_0	23230/782	1:1	0.050	0.04	23.73	25.00	1.340	0.067	21.5
Back side	10	QPSK 1_0	23230/782	1:1	0.081	-0.02	23.73	25.00	1.340	0.109	21.6
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	10	QPSK 25_25	23230/782	1:1	0.051	0.04	22.81	24.00	1.315	0.067	21.5
Back side	10	QPSK 25_25	23230/782	1:1	0.082	-0.02	22.81	24.00	1.315	0.108	21.6
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	10	QPSK 1_25	23230/782	1:1	0.087	0.02	23.16	24.50	1.361	0.118	21.5
Back side	10	QPSK 1_25	23230/782	1:1	0.138	0.06	23.16	24.50	1.361	0.188	21.6
Left side	10	QPSK 1_25	23230/782	1:1	0.215	0.03	23.16	24.50	1.361	0.293	21.6
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	10	QPSK 25_0	23230/782	1:1	0.073	-0.01	22.78	24.00	1.324	0.097	21.5
Back side	10	QPSK 25_0	23230/782	1:1	0.116	0.13	22.78	24.00	1.324	0.154	21.5
Left side	10	QPSK 25_0	23230/782	1:1	0.176	-0.02	22.78	24.00	1.324	0.233	21.6
Ant 41 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) DSI 2											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.145	0.06	23.69	25.00	1.352	0.196	21.8
Left tilted	10	QPSK 1_0	23230/782	1:1	0.086	-0.14	23.69	25.00	1.352	0.116	21.8
Right cheek	10	QPSK 1_0	23230/782	1:1	0.119	-0.09	23.69	25.00	1.352	0.161	21.3
Right tilted	10	QPSK 1_0	23230/782	1:1	0.065	0.08	23.69	25.00	1.352	0.088	21.3
Head Test Data (50%RB) DSI 2											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.117	-0.01	22.75	24.00	1.334	0.156	21.8
Left tilted	10	QPSK 25_0	23230/782	1:1	0.069	-0.08	22.75	24.00	1.334	0.092	21.8
Right cheek	10	QPSK 25_0	23230/782	1:1	0.095	-0.01	22.75	24.00	1.334	0.127	21.3
Right tilted	10	QPSK 25_0	23230/782	1:1	0.051	-0.03	22.75	24.00	1.334	0.068	21.3
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	10	QPSK 1_0	23230/782	1:1	0.204	0.00	23.69	25.00	1.352	0.276	21.4
Back side	10	QPSK 1_0	23230/782	1:1	0.228	-0.18	23.69	25.00	1.352	<b>0.308</b>	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	10	QPSK 25_0	23230/782	1:1	0.163	0.01	22.75	24.00	1.334	0.217	21.4
Back side	10	QPSK 25_0	23230/782	1:1	0.183	0.03	22.75	24.00	1.334	0.244	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	10	QPSK 1_0	23230/782	1:1	0.193	-0.03	23.69	25.00	1.352	0.261	21.4



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Back side	10	QPSK 1_0	23230/782	1:1	0.269	-0.03	23.69	25.00	1.352	0.364	21.9
Left side	10	QPSK 1_0	23230/782	1:1	0.301	-0.01	23.69	25.00	1.352	<b>0.407</b>	21.9
Bottom side	10	QPSK 1_0	23230/782	1:1	0.132	0.03	23.69	25.00	1.352	0.178	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	10	QPSK 25_0	23230/782	1:1	0.153	0.02	22.75	24.00	1.334	0.204	21.4
Back side	10	QPSK 25_0	23230/782	1:1	0.219	0.01	22.75	24.00	1.334	0.292	21.9
Left side	10	QPSK 25_0	23230/782	1:1	0.237	0.00	22.75	24.00	1.334	0.316	21.9
Bottom side	10	QPSK 25_0	23230/782	1:1	0.107	0.03	22.75	24.00	1.334	0.143	21.9

Table 21: SAR of LTE Band 13 for Head and Body.



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### 8.2.5 SAR Result of LTE Band 26

Ant 11 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) DSI 2											
Left cheek	15	QPSK 1_74	26765/821.5	1:1	0.482	-0.06	22.59	24.40	1.517	0.731	21.6
Left tilted	15	QPSK 1_74	26765/821.5	1:1	0.038	0.10	22.59	24.40	1.517	0.058	21.9
Right cheek	15	QPSK 1_74	26765/821.5	1:1	0.183	-0.03	22.59	24.40	1.517	0.278	21.9
Right tilted	15	QPSK 1_74	26765/821.5	1:1	0.048	0.09	22.59	24.40	1.517	0.073	21.9
Head Test Data (50%RB) DSI 2											
Left cheek	15	QPSK 36_39	26865/831.5	1:1	0.436	-0.06	22.22	23.90	1.472	0.642	21.6
Left tilted	15	QPSK 36_39	26865/831.5	1:1	0.036	-0.05	22.22	23.90	1.472	0.053	21.9
Right cheek	15	QPSK 36_39	26865/831.5	1:1	0.177	0.01	22.22	23.90	1.472	0.261	21.9
Right tilted	15	QPSK 36_39	26865/831.5	1:1	0.046	0.06	22.22	23.90	1.472	0.068	21.9
Head Test Data (1RB) DSI 3											
Left cheek	15	QPSK 1_74	26765/821.5	1:1	0.482	-0.06	22.59	23.20	1.151	0.555	21.6
Left tilted	15	QPSK 1_74	26765/821.5	1:1	0.038	0.10	22.59	23.20	1.151	0.044	21.9
Right cheek	15	QPSK 1_74	26765/821.5	1:1	0.183	-0.03	22.59	23.20	1.151	0.211	21.9
Right tilted	15	QPSK 1_74	26765/821.5	1:1	0.048	0.09	22.59	23.20	1.151	0.055	21.9
Head Test Data (50%RB) DSI 3											
Left cheek	15	QPSK 36_39	26865/831.5	1:1	0.436	-0.06	22.22	23.20	1.253	0.546	21.6
Left tilted	15	QPSK 36_39	26865/831.5	1:1	0.036	-0.05	22.22	23.20	1.253	0.045	21.9
Right cheek	15	QPSK 36_39	26865/831.5	1:1	0.177	0.01	22.22	23.20	1.253	0.222	21.9
Right tilted	15	QPSK 36_39	26865/831.5	1:1	0.046	0.06	22.22	23.20	1.253	0.058	21.9
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	15	QPSK 1_38	26965/841.5	1:1	0.125	0.01	23.13	24.90	1.503	0.188	21.5
Back side	15	QPSK 1_38	26965/841.5	1:1	0.200	0.07	23.13	24.90	1.503	0.301	21.6
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	15	QPSK 36_39	26965/841.5	1:1	0.109	-0.01	22.22	23.90	1.472	0.160	21.5
Back side	15	QPSK 36_39	26965/841.5	1:1	0.175	0.03	22.22	23.90	1.472	0.258	21.6
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	15	QPSK 1_38	26965/841.5	1:1	0.231	0.00	23.13	24.90	1.503	0.347	21.5
Back side	15	QPSK 1_38	26965/841.5	1:1	0.344	0.09	23.13	24.90	1.503	0.517	21.6
Left side	15	QPSK 1_38	26965/841.5	1:1	0.478	-0.03	23.13	24.90	1.503	0.719	21.6
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	15	QPSK 36_39	26965/841.5	1:1	0.203	0.01	22.22	23.90	1.472	0.299	21.5
Back side	15	QPSK 36_39	26965/841.5	1:1	0.301	0.05	22.22	23.90	1.472	0.443	21.6
Left side	15	QPSK 36_39	26965/841.5	1:1	0.423	0.00	22.22	23.90	1.472	0.623	21.6
Ant 41 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) DSI 2											
Left cheek	15	QPSK 1_38	26865/831.5	1:1	0.100	0.04	23.03	24.50	1.403	0.140	21.8
Left tilted	15	QPSK 1_38	26865/831.5	1:1	0.054	-0.17	23.03	24.50	1.403	0.076	21.8
Right cheek	15	QPSK 1_38	26865/831.5	1:1	0.083	-0.07	23.03	24.50	1.403	0.116	21.3
Right tilted	15	QPSK 1_38	26865/831.5	1:1	0.042	0.02	23.03	24.50	1.403	0.059	21.8
Head Test Data (50%RB) DSI 2											
Left cheek	15	QPSK 36_18	26865/831.5	1:1	0.081	-0.01	22.15	23.50	1.365	0.111	21.8
Left tilted	15	QPSK 36_18	26865/831.5	1:1	0.043	-0.05	22.15	23.50	1.365	0.059	21.8



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Right cheek	15	QPSK 36_18	26865/831.5	1:1	0.067	-0.03	22.15	23.50	1.365	0.091	21.3
Right tilted	15	QPSK 36_18	26865/831.5	1:1	0.033	0.09	22.15	23.50	1.365	0.045	21.8
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	15	QPSK 1_38	26865/831.5	1:1	0.093	0.07	23.03	24.50	1.403	0.130	21.4
Back side	15	QPSK 1_38	26865/831.5	1:1	0.117	-0.10	23.03	24.50	1.403	0.164	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	15	QPSK 36_18	26865/831.5	1:1	0.079	-0.11	22.15	23.50	1.365	0.108	21.4
Back side	15	QPSK 36_18	26865/831.5	1:1	0.097	-0.10	22.15	23.50	1.365	0.132	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	15	QPSK 1_38	26965/841.5	1:1	0.111	0.04	22.63	24.00	1.371	0.152	21.4
Back side	15	QPSK 1_38	26965/841.5	1:1	0.155	0.04	22.63	24.00	1.371	0.212	21.9
Left side	15	QPSK 1_38	26965/841.5	1:1	0.081	0.01	22.63	24.00	1.371	0.111	21.9
Bottom side	15	QPSK 1_38	26965/841.5	1:1	0.076	-0.04	22.63	24.00	1.371	0.104	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	15	QPSK 36_18	26965/841.5	1:1	0.102	0.08	22.14	23.50	1.368	0.140	21.4
Back side	15	QPSK 36_18	26965/841.5	1:1	0.144	-0.05	22.14	23.50	1.368	0.197	21.9
Left side	15	QPSK 36_18	26965/841.5	1:1	0.075	0.03	22.14	23.50	1.368	0.103	21.9
Bottom side	15	QPSK 36_18	26965/841.5	1:1	0.071	0.01	22.14	23.50	1.368	0.097	21.9

Table 22: SAR of LTE Band 26 for Head and Body.



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### 8.2.6 SAR Result of LTE Band 38

Ant 14 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) DSI 2											
Left cheek	20	QPSK 1_99	38150/2610	1:1.58	0.296	0.02	18.81	20.20	1.377	0.408	22.1
Left tilted	20	QPSK 1_99	38150/2610	1:1.58	0.334	0.02	18.81	20.20	1.377	0.460	22.1
Right cheek	20	QPSK 1_99	38150/2610	1:1.58	0.622	0.07	18.81	20.20	1.377	0.857	22.1
Right tilted	20	QPSK 1_99	38150/2610	1:1.58	0.542	0.00	18.81	20.20	1.377	0.746	22.1
Right cheek	20	QPSK 1_99	37850/2580	1:1.58	0.605	0.02	18.72	20.20	1.406	0.851	22.1
Right cheek	20	QPSK 1_50	38000/2595	1:1.58	0.604	0.03	18.73	20.20	1.403	0.847	22.1
Right cheek	20	QPSK 1_0	38150/2610	1:1.58	0.512	-0.01	18.90	20.20	1.349	0.691	22.1
		QPSK 1_99	37952/2590.2								
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_50	38150/2610	1:1.58	0.307	-0.07	18.93	20.20	1.340	0.411	22.1
Left tilted	20	QPSK 50_50	38150/2610	1:1.58	0.260	-0.15	18.93	20.20	1.340	0.348	22.1
Right cheek	20	QPSK 50_50	38150/2610	1:1.58	0.646	-0.05	18.93	20.20	1.340	<b>0.865</b>	22.1
Right tilted	20	QPSK 50_50	38150/2610	1:1.58	0.574	0.08	18.93	20.20	1.340	0.769	22.1
Right cheek	20	QPSK 50_50	37850/2580	1:1.58	0.583	0.06	18.82	20.20	1.374	0.801	22.1
Right cheek	20	QPSK 50_50	38000/2595	1:1.58	0.591	0.02	18.84	20.20	1.368	0.808	22.1
Head Test Data (100%RB) DSI 2											
Right cheek	20	QPSK 100_0	38150/2610	1:1.58	0.609	0.02	18.78	20.20	1.387	0.845	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_50	38000/2595	1:1.58	0.162	0.09	24.39	25.20	1.205	0.195	22.1
Back side	20	QPSK 1_50	38000/2595	1:1.58	0.177	-0.03	24.39	25.20	1.205	0.213	22.1
Back side	20	QPSK 1_0	38099/2604.9	1:1.58	0.150	0.06	23.95	25.20	1.334	0.200	22.1
		QPSK 1_99	37901/2585.1								
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_0	38150/2610	1:1.58	0.147	-0.05	23.04	24.20	1.306	0.192	22.1
Back side	20	QPSK 50_0	38150/2610	1:1.58	0.155	-0.13	23.04	24.20	1.306	0.202	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.227	-0.17	21.99	23.20	1.321	0.300	22.1
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.275	-0.10	21.99	23.20	1.321	0.363	22.1
Left side	20	QPSK 1_0	38000/2595	1:1.58	0.102	0.12	21.99	23.20	1.321	0.135	22.1
Top side	20	QPSK 1_0	38000/2595	1:1.58	0.342	-0.12	21.99	23.20	1.321	0.452	22.1
Top side	20	QPSK 1_99	37901/2585.1	1:1.58	0.340	-0.18	21.95	23.20	1.334	0.453	22.1
		QPSK 1_0	38099/2604.9								22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	38150/2610	1:1.58	0.229	0.08	21.67	23.20	1.422	0.326	22.1
Back side	20	QPSK 50_50	38150/2610	1:1.58	0.287	-0.14	21.67	23.20	1.422	0.408	22.1
Left side	20	QPSK 50_50	38150/2610	1:1.58	0.103	-0.01	21.67	23.20	1.422	0.146	22.1
Top side	20	QPSK 50_50	38150/2610	1:1.58	0.353	-0.02	21.67	23.20	1.422	<b>0.502</b>	22.1
Ant 31 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)
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_50	38150/2610	1:1.58	0.175	0.09	23.61	24.70	1.285	0.225	22.1
Back side	20	QPSK 1_50	38150/2610	1:1.58	0.182	-0.13	23.61	24.70	1.285	<b>0.234</b>	22.1
Back side	20	QPSK 1_0	38150/2610	1:1.58	0.164	0.12	23.41	24.70	1.346	0.221	22.1
		QPSK 1_99	37952/2590.2								22.1
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_50	38150/2610	1:1.58	0.143	-0.08	22.90	24.20	1.349	0.193	22.1
Back side	20	QPSK 50_50	38150/2610	1:1.58	0.151	-0.12	22.90	24.20	1.349	0.204	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_0	38000/2595	1:1.58	0.250	0.05	22.22	23.20	1.253	0.313	22.1
Back side	20	QPSK 1_0	38000/2595	1:1.58	0.292	-0.17	22.22	23.20	1.253	0.366	22.1
Right side	20	QPSK 1_0	38000/2595	1:1.58	0.179	-0.07	22.22	23.20	1.253	0.224	22.1
Bottom side	20	QPSK 1_0	38000/2595	1:1.58	0.233	0.18	22.22	23.20	1.253	0.292	22.1
Back side	20	QPSK 1_0	38099/2604.9	1:1.58	0.245	0.08	21.91	23.20	1.346	0.330	22.1



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		QPSK 1_99	37901/2585.1								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	37850/2580	1:1.58	0.236	0.16	22.11	23.20	1.285	0.303	22.1
Back side	20	QPSK 50_50	37850/2580	1:1.58	0.293	-0.01	22.11	23.20	1.285	0.377	22.1
Right side	20	QPSK 50_50	37850/2580	1:1.58	0.174	0.07	22.11	23.20	1.285	0.224	22.1
Bottom side	20	QPSK 50_50	37850/2580	1:1.58	0.241	-0.03	22.11	23.20	1.285	0.310	22.1



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### 8.2.1 SAR Result of LTE Band 41

Ant 14 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) DSI 2											
Left cheek	20	QPSK 1_99	40620/2593	1:1.58	0.231	-0.04	17.70	18.70	1.259	0.291	22.1
Left tilted	20	QPSK 1_99	40620/2593	1:1.58	0.251	0.03	17.70	18.70	1.259	0.316	22.1
Right cheek	20	QPSK 1_99	40620/2593	1:1.58	0.524	0.12	17.70	18.70	1.259	0.660	22.1
Right tilted	20	QPSK 1_99	40620/2593	1:1.58	0.397	0.01	17.70	18.70	1.259	0.500	22.1
Right cheek	20	QPSK 1_99	39750/2506	1:1.58	0.607	0.14	17.53	18.70	1.309	0.795	22.1
Right cheek	20	QPSK 1_50	40185/2549.5	1:1.58	0.534	0.04	17.55	18.70	1.303	0.696	22.1
Right cheek	20	QPSK 1_99	41055/2636.5	1:1.58	0.407	0.15	16.69	17.70	1.262	0.514	21.8
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.423	-0.04	16.51	17.70	1.315	0.556	21.8
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.519	-0.11	17.52	18.70	1.312	0.681	22.3
		QPSK 1_99	40422/2573.2								
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_25	40185/2549.5	1:1.58	0.286	0.12	17.66	18.70	1.271	0.363	22.1
Left tilted	20	QPSK 50_25	40185/2549.5	1:1.58	0.323	0.05	17.66	18.70	1.271	0.410	22.1
Right cheek	20	QPSK 50_25	40185/2549.5	1:1.58	0.602	0.16	17.66	18.70	1.271	0.765	22.1
Right tilted	20	QPSK 50_25	40185/2549.5	1:1.58	0.483	-0.09	17.66	18.70	1.271	0.614	22.1
Right cheek	20	QPSK 50_0	39750/2506	1:1.58	0.624	0.14	17.60	18.70	1.288	<b>0.804</b>	22.1
Right cheek	20	QPSK 50_50	40620/2593	1:1.58	0.487	0.02	17.54	18.70	1.306	0.636	22.1
Right cheek	20	QPSK 50_50	41055/2636.5	1:1.58	0.405	-0.05	16.58	17.70	1.294	0.524	21.8
Right cheek	20	QPSK 50_25	41490/2680	1:1.58	0.412	0.11	16.55	17.70	1.303	0.537	21.8
Right tilted	20	QPSK 50_0	39750/2506	1:1.58	0.586	0.00	17.60	18.70	1.288	0.755	21.8
Right tilted	20	QPSK 50_50	40620/2593	1:1.58	0.428	-0.03	17.54	18.70	1.306	0.559	21.8
Right tilted	20	QPSK 50_50	41055/2636.5	1:1.58	0.347	0.06	16.58	17.70	1.294	0.449	21.8
Right tilted	20	QPSK 50_25	41490/2680	1:1.58	0.396	0.04	16.55	17.70	1.303	0.516	21.8
Head Test Data (100%RB) DSI 2											
Right cheek	20	QPSK 100_0	40185/2549.5	1:1.58	0.572	0.04	17.70	18.70	1.259	0.720	21.8
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_99	40620/2593	1:1.58	0.179	0.08	23.98	25.20	1.324	0.237	21.8
Back side	20	QPSK 1_99	40620/2593	1:1.58	0.213	0.11	23.98	25.20	1.324	0.282	21.8
Back side	20	QPSK 1_99	40185/2549.5	1:1.58	0.202	0.01	24.03	25.20	1.309	0.264	22.3
		QPSK 1_0	40383/2569.3								
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_0	40185/2549.5	1:1.58	0.184	0.06	22.98	24.20	1.324	0.244	21.8
Back side	20	QPSK 50_0	40185/2549.5	1:1.58	0.220	-0.01	22.98	24.20	1.324	<b>0.291</b>	21.8
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_99	40620/2593	1:1.58	0.230	0.04	21.61	22.70	1.285	0.296	22.0
Back side	20	QPSK 1_99	40620/2593	1:1.58	0.252	0.08	21.61	22.70	1.285	0.324	22.0
Left side	20	QPSK 1_99	40620/2593	1:1.58	0.088	0.04	21.61	22.70	1.285	0.112	22.0
Top side	20	QPSK 1_99	40620/2593	1:1.58	0.360	0.06	21.61	22.70	1.285	0.463	22.0
Top side	20	QPSK 1_99	40185/2549.5	1:1.58	0.347	0.17	21.48	22.70	1.324	0.460	22.3
		QPSK 1_0	40383/2569.3								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_0	39750/2506	1:1.58	0.275	0.05	21.57	22.70	1.297	0.357	22.0
Back side	20	QPSK 50_0	39750/2506	1:1.58	0.323	0.03	21.57	22.70	1.297	0.419	22.0
Left side	20	QPSK 50_0	39750/2506	1:1.58	0.112	0.12	21.57	22.70	1.297	0.145	22.0



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Top side	20	QPSK 50_0	39750/2506	1:1.58	0.366	0.05	21.57	22.70	1.297	<b>0.475</b>	22.0
<b>Ant 31 Test Record</b>											
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) DSI 2											
Left cheek	20	QPSK 1_50	40620/2593	1:1.58	0.067	0.01	24.04	25.20	1.306	0.088	22.5
Left tilted	20	QPSK 1_50	40620/2593	1:1.58	0.055	0.04	24.04	25.20	1.306	0.072	22.5
Right cheek	20	QPSK 1_50	40620/2593	1:1.58	0.164	0.01	24.04	25.20	1.306	0.214	22.1
Right tilted	20	QPSK 1_50	40620/2593	1:1.58	0.070	0.03	24.04	25.20	1.306	0.091	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.163	0.02	24.23	25.20	1.250	0.204	22.3
		QPSK 1_99	40422/2573.2								
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_50	40620/2593	1:1.58	0.049	0.09	22.96	24.20	1.330	0.065	22.5
Left tilted	20	QPSK 50_50	40620/2593	1:1.58	0.043	0.06	22.96	24.20	1.330	0.057	22.5
Right cheek	20	QPSK 50_50	40620/2593	1:1.58	0.125	0.07	22.96	24.20	1.330	0.166	22.1
Right tilted	20	QPSK 50_50	40620/2593	1:1.58	0.055	0.02	22.96	24.20	1.330	0.073	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_50	40620/2593	1:1.58	0.137	0.06	22.64	23.70	1.276	0.175	22.1
Back side	20	QPSK 1_50	40620/2593	1:1.58	0.166	0.08	22.64	23.70	1.276	0.212	22.1
Back side	20	QPSK 1_0	41490/2680	1:1.58	0.164	0.03	22.69	23.70	1.262	0.207	22.3
		QPSK 1_99	41292/2660.2								
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_50	40620/2593	1:1.58	0.143	0.06	22.75	23.70	1.245	0.178	22.1
Back side	20	QPSK 50_50	40620/2593	1:1.58	0.175	0.02	22.75	23.70	1.245	0.218	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_99	40620/2593	1:1.58	0.207	0.05	21.18	22.20	1.265	0.262	22.1
Back side	20	QPSK 1_99	40620/2593	1:1.58	0.295	0.01	21.18	22.20	1.265	0.373	22.1
Right side	20	QPSK 1_99	40620/2593	1:1.58	0.123	0.15	21.18	22.20	1.265	0.156	22.1
Bottom side	20	QPSK 1_99	40620/2593	1:1.58	0.204	0.05	21.18	22.20	1.265	0.258	22.1
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.268	0.08	21.15	22.20	1.274	0.341	22.3
		QPSK 1_99	40857/2616.7								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	40185/2549.5	1:1.58	0.248	0.13	21.20	22.20	1.259	0.312	22.1
Back side	20	QPSK 50_50	40185/2549.5	1:1.58	0.331	0.01	21.20	22.20	1.259	0.417	22.1
Right side	20	QPSK 50_50	40185/2549.5	1:1.58	0.139	0.16	21.20	22.20	1.259	0.175	22.1
Bottom side	20	QPSK 50_50	40185/2549.5	1:1.58	0.232	0.01	21.20	22.20	1.259	0.292	22.1

Table 23: SAR of LTE Band 41 for Head and Body.



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### 8.2.2 SAR Result of LTE Band 66

Ant 14 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) DSI 2											
Left cheek	20	QPSK 1_99	132072/1720	1:1	0.348	-0.08	17.44	18.50	1.276	0.444	21.6
Left tilted	20	QPSK 1_99	132072/1720	1:1	0.418	0.01	17.44	18.50	1.276	0.534	21.9
Right cheek	20	QPSK 1_99	132072/1720	1:1	0.584	0.04	17.44	18.50	1.276	0.745	21.9
Right tilted	20	QPSK 1_99	132072/1720	1:1	0.485	0.03	17.44	18.50	1.276	0.619	21.9
Right cheek	20	QPSK 1_99	132322/1745	1:1	0.569	0.03	17.26	18.50	1.330	0.757	22.2
		QPSK 1_0	132520/1764.8								
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_50	132072/1720	1:1	0.354	-0.05	17.20	18.50	1.349	0.478	21.6
Left tilted	20	QPSK 50_50	132072/1720	1:1	0.429	0.10	17.20	18.50	1.349	0.579	21.9
Right cheek	20	QPSK 50_50	132072/1720	1:1	0.592	-0.01	17.20	18.50	1.349	<b>0.799</b>	21.9
Right tilted	20	QPSK 50_50	132072/1720	1:1	0.493	0.00	17.20	18.50	1.349	0.665	21.9
Head Test Data (1RB) DSI 3											
Left cheek	20	QPSK 1_99	132072/1720	1:1	0.348	-0.08	17.44	17.50	1.014	0.353	21.6
Left tilted	20	QPSK 1_99	132072/1720	1:1	0.418	0.01	17.44	17.50	1.014	0.424	21.9
Right cheek	20	QPSK 1_99	132072/1720	1:1	0.584	0.04	17.44	17.50	1.014	0.592	21.9
Right tilted	20	QPSK 1_99	132072/1720	1:1	0.485	0.03	17.44	17.50	1.014	0.492	21.9
Right cheek	20	QPSK 1_99	132322/1745	1:1	0.569	0.03	17.26	17.50	1.057	0.601	22.2
		QPSK 1_0	132520/1764.8								
Head Test Data (50%RB) DSI 3											
Left cheek	20	QPSK 50_50	132072/1720	1:1	0.354	-0.05	17.20	17.50	1.072	0.379	21.6
Left tilted	20	QPSK 50_50	132072/1720	1:1	0.429	0.10	17.20	17.50	1.072	0.460	21.9
Right cheek	20	QPSK 50_50	132072/1720	1:1	0.592	-0.01	17.20	17.50	1.072	0.634	21.9
Right tilted	20	QPSK 50_50	132072/1720	1:1	0.493	0.00	17.20	17.50	1.072	0.528	21.9
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_99	132072/1720	1:1	0.340	-0.02	24.39	25.50	1.291	0.439	21.5
Back side	20	QPSK 1_99	132072/1720	1:1	0.462	0.03	24.39	25.50	1.291	<b>0.597</b>	21.6
Back side	20	QPSK 1_0	132572/1770	1:1	0.439	-0.13	24.36	25.50	1.300	0.571	22.2
		QPSK 1_99	132374/1750.2								
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_25	132072/1720	1:1	0.282	0.00	23.07	24.50	1.390	0.392	21.5
Back side	20	QPSK 50_25	132072/1720	1:1	0.380	-0.06	23.07	24.50	1.390	0.528	21.6
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_50	132572/1770	1:1	0.177	-0.12	19.30	20.50	1.318	0.233	21.5
Back side	20	QPSK 1_50	132572/1770	1:1	0.253	0.02	19.30	20.50	1.318	0.334	21.6
Left side	20	QPSK 1_50	132572/1770	1:1	0.076	-0.04	19.30	20.50	1.318	0.100	21.6
Top side	20	QPSK 1_50	132572/1770	1:1	0.326	0.02	19.30	20.50	1.318	0.430	21.6
Top side	20	QPSK 1_99	132072/1720	1:1	0.302	0.07	19.28	20.50	1.324	0.400	22.2
		QPSK 1_0	132270/1739.8								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	132072/1720	1:1	0.174	0.06	19.06	20.50	1.393	0.242	21.5
Back side	20	QPSK 50_50	132072/1720	1:1	0.266	0.06	19.06	20.50	1.393	0.371	21.6
Left side	20	QPSK 50_50	132072/1720	1:1	0.076	-0.06	19.06	20.50	1.393	0.106	21.6
Top side	20	QPSK 50_50	132072/1720	1:1	0.338	0.00	19.06	20.50	1.393	0.471	21.6



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Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 4											
Top side	20	QPSK 1_50	132072/1720	1:1	1.650	0.02	20.95	22.00	1.274	2.101	21.5
Top side	20	QPSK 1_99	132322/1745	1:1	1.630	-0.01	20.89	22.00	1.291	2.105	21.5
Top side	20	QPSK 1_50	132572/1770	1:1	1.630	0.01	20.63	22.00	1.371	2.235	21.5
Top side	20	QPSK 1_99	132072/1720	1:1	1.510	-0.06	20.72	22.00	1.343	2.028	22.2
		QPSK 1_0	132270/1739.8								
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 4											
Top side	20	QPSK 50_50	132072/1720	1:1	1.680	0.00	20.59	22.00	1.384	<b>2.324</b>	21.5
Top side	20	QPSK 50_50	132322/1745	1:1	1.660	0.02	20.55	22.00	1.396	2.318	21.5
Top side	20	QPSK 50_50	132572/1770	1:1	1.650	0.00	20.55	22.00	1.396	2.304	21.5
Product specific 10g SAR Test data (Separate 0mm 100%RB) Sensor on DSI 4											
Top side	20	QPSK 100_0	132072/1720	1:1	1.560	0.00	20.56	22.00	1.393	2.173	21.4
Product specific 10g SAR Test data (1RB) Sensor off DSI 7											
Top side 11mm	20	QPSK 1_99	132072/1720	1:1	0.568	0.01	24.39	25.50	1.291	0.733	21.5
Product specific 10g SAR Test data (50%RB) Sensor off DSI 7											
Top side 11mm	20	QPSK 50_25	132072/1720	1:1	0.464	0.00	23.07	24.50	1.390	0.645	21.5
<b>Ant 31 Test Record</b>											
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) DSI 2											
Left cheek	20	QPSK 1_50	132322/1745	1:1	0.119	-0.04	24.22	25.40	1.312	0.156	21.8
Left tilted	20	QPSK 1_50	132322/1745	1:1	0.048	0.15	24.22	25.40	1.312	0.063	21.8
Right cheek	20	QPSK 1_50	132322/1745	1:1	0.064	-0.06	24.22	25.40	1.312	0.084	21.3
Right tilted	20	QPSK 1_50	132322/1745	1:1	0.040	-0.04	24.22	25.40	1.312	0.052	21.8
Left cheek	20	QPSK 1_99	132072/1720	1:1	0.113	-0.03	24.08	25.40	1.355	0.153	22.2
		QPSK 1_0	132270/1739.8								
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_25	132322/1745	1:1	0.096	0.03	23.00	24.40	1.380	0.133	21.8
Left tilted	20	QPSK 50_25	132322/1745	1:1	0.038	-0.19	23.00	24.40	1.380	0.052	21.8
Right cheek	20	QPSK 50_25	132322/1745	1:1	0.051	-0.13	23.00	24.40	1.380	0.070	21.3
Right tilted	20	QPSK 50_25	132322/1745	1:1	0.031	-0.05	23.00	24.40	1.380	0.043	21.8
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_50	132322/1745	1:1	0.217	-0.06	20.89	21.90	1.262	0.274	21.4
Back side	20	QPSK 1_50	132322/1745	1:1	0.287	0.12	20.89	21.90	1.262	0.362	21.3
Back side	20	QPSK 1_0	132572/1770	1:1	0.281	-0.03	20.57	21.90	1.358	0.382	22.2
		QPSK 1_99	132374/1750.2								
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_25	132322/1745	1:1	0.219	0.13	20.58	21.90	1.355	0.297	21.4
Back side	20	QPSK 50_25	132322/1745	1:1	0.290	0.06	20.58	21.90	1.355	0.393	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_99	132322/1745	1:1	0.245	0.12	18.98	19.90	1.236	0.303	21.4
Back side	20	QPSK 1_99	132322/1745	1:1	0.324	0.06	18.98	19.90	1.236	0.400	21.9
Right side	20	QPSK 1_99	132322/1745	1:1	0.060	-0.05	18.98	19.90	1.236	0.074	21.9
Bottom side	20	QPSK 1_99	132322/1745	1:1	0.393	-0.01	18.98	19.90	1.236	0.486	21.9
Bottom side	20	QPSK 1_99	132322/1745	1:1	0.366	-0.07	18.27	19.90	1.455	0.533	22.2
		QPSK 1_0	132520/1764.8								
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_50	132322/1745	1:1	0.261	0.12	18.63	19.90	1.340	0.350	21.4



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Back side	20	QPSK 50_50	132322/1745	1:1	0.332	0.01	18.63	19.90	1.340	0.445	21.9
Right side	20	QPSK 50_50	132322/1745	1:1	0.060	0.00	18.63	19.90	1.340	0.080	21.9
Bottom side	20	QPSK 50_50	132322/1745	1:1	0.404	-0.02	18.63	19.90	1.340	<b>0.541</b>	21.9

Table 24: SAR of LTE Band 66 for Head and Body and Product specific 10g SAR.



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**8.2.3 SAR Result of 5G NR n2**

Ant12 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) DSI 2											
Left cheek	20	QPSK 1_104	380000/1900	100%	0.139	0.02	21.33	21.80	1.114	0.155	22.1
Left tilted	20	QPSK 1_104	380000/1900	100%	0.058	0.07	21.33	21.80	1.114	0.064	22.1
Right cheek	20	QPSK 1_104	380000/1900	100%	0.498	0.03	21.33	21.80	1.114	0.555	22.1
Right tilted	20	QPSK 1_104	380000/1900	100%	0.143	0.01	21.33	21.80	1.114	0.159	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	372000/1860	100%	0.107	0.04	21.07	21.80	1.183	0.127	22.1
Left tilted	20	QPSK 50_28	372000/1860	100%	0.046	0.09	21.07	21.80	1.183	0.055	22.1
Right cheek	20	QPSK 50_28	372000/1860	100%	0.393	0.08	21.07	21.80	1.183	0.465	22.1
Right tilted	20	QPSK 50_28	372000/1860	100%	0.101	0.09	21.07	21.80	1.183	0.119	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_104	380000/1900	100%	0.091	-0.03	23.83	24.30	1.114	0.101	22.1
Back side	20	QPSK 1_104	380000/1900	100%	0.180	0.06	23.83	24.30	1.114	0.201	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_28	372000/1860	100%	0.059	0.06	23.60	24.30	1.175	0.070	22.1
Back side	20	QPSK 50_28	372000/1860	100%	0.133	0.04	23.60	24.30	1.175	0.156	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_104	380000/1900	100%	0.099	0.02	20.73	21.30	1.140	0.112	22.1
Back side	20	QPSK 1_104	380000/1900	100%	0.196	0.13	20.73	21.30	1.140	0.223	22.1
Left side	20	QPSK 1_104	380000/1900	100%	0.193	0.17	20.73	21.30	1.140	0.220	22.1
Top side	20	QPSK 1_104	380000/1900	100%	0.012	0.07	20.73	21.30	1.140	0.013	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	372000/1860	100%	0.075	0.08	20.56	21.30	1.186	0.088	22.1
Back side	20	QPSK 50_28	372000/1860	100%	0.149	0.03	20.56	21.30	1.186	0.177	22.1
Left side	20	QPSK 50_28	372000/1860	100%	0.201	0.04	20.56	21.30	1.186	0.238	22.1
Top side	20	QPSK 50_28	372000/1860	100%	0.012	0.15	20.56	21.30	1.186	0.014	22.1
Ant14 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) DSI 2											
Left cheek	20	QPSK 1_53	376000/1880	100%	0.357	0.06	16.78	18.30	1.419	0.507	22.1
Left tilted	20	QPSK 1_53	376000/1880	100%	0.410	0.16	16.78	18.30	1.419	0.582	22.1
Right cheek	20	QPSK 1_53	376000/1880	100%	0.524	-0.09	16.78	18.30	1.419	0.744	22.1
Right tilted	20	QPSK 1_53	376000/1880	100%	0.508	-0.06	16.78	18.30	1.419	0.721	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	372000/1860	100%	0.354	0.15	16.70	18.30	1.445	0.512	22.1
Left tilted	20	QPSK 50_28	372000/1860	100%	0.365	-0.15	16.70	18.30	1.445	0.528	22.1
Right cheek	20	QPSK 50_28	372000/1860	100%	0.522	0.03	16.70	18.30	1.445	<b>0.755</b>	22.1
Right tilted	20	QPSK 50_28	372000/1860	100%	0.421	0.15	16.70	18.30	1.445	0.609	22.1
Head Test Data (1RB) DSI 3											
Left cheek	20	QPSK 1_53	376000/1880	100%	0.357	0.06	16.78	17.30	1.127	0.402	22.1
Left tilted	20	QPSK 1_53	376000/1880	100%	0.410	0.16	16.78	17.30	1.127	0.462	22.1
Right cheek	20	QPSK 1_53	376000/1880	100%	0.524	-0.09	16.78	17.30	1.127	0.591	22.1
Right tilted	20	QPSK 1_53	376000/1880	100%	0.508	-0.06	16.78	17.30	1.127	0.573	22.1
Head Test Data (50%RB) DSI 3											
Left cheek	20	QPSK 50_28	372000/1860	100%	0.354	0.15	16.70	17.30	1.148	0.406	22.1



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Left tilted	20	QPSK 50_28	372000/1860	100%	0.365	-0.15	16.70	17.30	1.148	0.419	22.1
Right cheek	20	QPSK 50_28	372000/1860	100%	0.522	0.03	16.70	17.30	1.148	0.599	22.1
Right tilted	20	QPSK 50_28	372000/1860	100%	0.421	0.15	16.70	17.30	1.148	0.483	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_53	376000/1880	100%	0.269	0.14	23.36	24.80	1.393	0.375	22.1
Back side	20	QPSK 1_53	376000/1880	100%	0.316	0.07	23.36	24.80	1.393	0.440	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_28	376000/1880	100%	0.225	0.15	23.23	24.80	1.435	0.323	22.1
Back side	20	QPSK 50_28	376000/1880	100%	0.308	-0.10	23.23	24.80	1.435	<b>0.442</b>	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_53	376000/1880	100%	0.160	0.09	18.36	19.80	1.393	0.223	22.1
Back side	20	QPSK 1_53	376000/1880	100%	0.209	0.09	18.36	19.80	1.393	0.291	22.1
Left side	20	QPSK 1_53	376000/1880	100%	0.060	0.01	18.36	19.80	1.393	0.084	22.1
Top side	20	QPSK 1_53	376000/1880	100%	0.247	0.05	18.36	19.80	1.393	0.344	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	376000/1880	100%	0.138	0.02	18.18	19.80	1.452	0.200	22.1
Back side	20	QPSK 50_28	376000/1880	100%	0.199	0.04	18.18	19.80	1.452	0.289	22.1
Left side	20	QPSK 50_28	376000/1880	100%	0.052	0.05	18.18	19.80	1.452	0.075	22.1
Top side	20	QPSK 50_28	376000/1880	100%	0.228	0.02	18.18	19.80	1.452	0.331	22.1
Ant31 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) DSI 2											
Left cheek	20	QPSK 1_1	372000/1860	100%	0.135	0.06	23.82	24.50	1.169	0.158	22.1
Left tilted	20	QPSK 1_1	372000/1860	100%	0.087	-0.12	23.82	24.50	1.169	0.102	22.1
Right cheek	20	QPSK 1_1	372000/1860	100%	0.091	0.15	23.82	24.50	1.169	0.106	22.1
Right tilted	20	QPSK 1_1	372000/1860	100%	0.076	0.07	23.82	24.50	1.169	0.089	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	376000/1880	100%	0.159	0.03	23.54	24.50	1.247	0.198	22.1
Left tilted	20	QPSK 50_28	376000/1880	100%	0.086	0.03	23.54	24.50	1.247	0.107	22.1
Right cheek	20	QPSK 50_28	376000/1880	100%	0.107	0.09	23.54	24.50	1.247	0.133	22.1
Right tilted	20	QPSK 50_28	376000/1880	100%	0.087	0.12	23.54	24.50	1.247	0.109	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_104	372000/1860	100%	0.161	0.04	20.73	21.50	1.194	0.192	22.1
Back side	20	QPSK 1_104	372000/1860	100%	0.229	0.12	20.73	21.50	1.194	0.273	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_28	376000/1880	100%	0.159	0.05	20.50	21.50	1.259	0.200	22.1
Back side	20	QPSK 50_28	376000/1880	100%	0.237	0.02	20.50	21.50	1.259	0.298	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_1	372000/1860	100%	0.221	0.07	19.26	20.00	1.186	0.262	22.1
Back side	20	QPSK 1_1	372000/1860	100%	0.338	0.09	19.26	20.00	1.186	0.401	22.1
Right side	20	QPSK 1_1	372000/1860	100%	0.095	0.08	19.26	20.00	1.186	0.113	22.1
Bottom side	20	QPSK 1_1	372000/1860	100%	0.403	0.19	19.26	20.00	1.186	<b>0.478</b>	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	376000/1880	100%	0.221	0.02	18.96	20.00	1.271	0.281	22.1
Back side	20	QPSK 50_28	376000/1880	100%	0.294	0.03	18.96	20.00	1.271	0.374	22.1
Right side	20	QPSK 50_28	376000/1880	100%	0.095	0.01	18.96	20.00	1.271	0.121	22.1
Bottom side	20	QPSK 50_28	376000/1880	100%	0.371	0.08	18.96	20.00	1.271	0.471	22.1

Table 25: SAR of 5G NR n2 for Head and Body.



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**8.2.4 SAR Result of 5G NR n5**

Ant11 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) DSI 2											
Left cheek	20	QPSK 1_1	167300/836.5	100%	0.381	-0.07	21.74	23.20	1.400	0.533	22.1
Left tilted	20	QPSK 1_1	167300/836.5	100%	0.062	0.07	21.74	23.20	1.400	0.087	22.1
Right cheek	20	QPSK 1_1	167300/836.5	100%	0.192	0.06	21.74	23.20	1.400	0.269	22.1
Right tilted	20	QPSK 1_1	167300/836.5	100%	0.036	0.04	21.74	23.20	1.400	0.051	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	167800/839	100%	0.365	0.06	21.52	23.20	1.472	<b>0.537</b>	22.1
Left tilted	20	QPSK 50_28	167800/839	100%	0.044	0.14	21.52	23.20	1.472	0.065	22.1
Right cheek	20	QPSK 50_28	167800/839	100%	0.178	0.18	21.52	23.20	1.472	0.262	22.1
Right tilted	20	QPSK 50_28	167800/839	100%	0.039	0.01	21.52	23.20	1.472	0.057	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_1	167300/836.5	100%	0.202	0.05	24.24	25.70	1.400	0.283	22.1
Back side	20	QPSK 1_1	167300/836.5	100%	0.360	-0.02	24.24	25.70	1.400	0.504	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_28	167800/839	100%	0.205	0.03	24.08	25.70	1.452	0.298	22.1
Back side	20	QPSK 50_28	167800/839	100%	0.357	0.17	24.08	25.70	1.452	<b>0.518</b>	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_1	167300/836.5	100%	0.282	-0.16	23.21	24.70	1.409	0.397	22.1
Back side	20	QPSK 1_1	167300/836.5	100%	0.520	0.06	23.21	24.70	1.409	0.733	22.1
Left side	20	QPSK 1_1	167300/836.5	100%	0.664	-0.03	23.21	24.70	1.409	0.936	22.1
Left side	20	QPSK 1_1	166800/834	100%	0.617	-0.13	23.07	24.70	1.455	0.898	22.1
Left side	20	QPSK 1_1	167800/839	100%	0.646	-0.04	23.18	24.70	1.419	0.917	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	167800/839	100%	0.277	-0.14	23.06	24.70	1.459	0.404	22.1
Back side	20	QPSK 50_28	167800/839	100%	0.486	0.11	23.06	24.70	1.459	0.709	22.1
Left side	20	QPSK 50_28	167800/839	100%	0.626	-0.16	23.06	24.70	1.459	0.913	22.1
Left side	20	QPSK 50_28	166800/834	100%	0.648	0.04	22.95	24.70	1.496	<b>0.970</b>	22.1
Left side	20	QPSK 50_28	167300/836.5	100%	0.654	-0.09	23.01	24.70	1.476	0.965	22.1
Hotspot Test data (Separate 10mm 100%RB) DSI 6											
Left side	20	QPSK 100_0	167300/836.5	100%	0.493	0.15	22.11	23.70	1.442	0.711	22.1
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 1RB) DSI 4											
Left side	20	QPSK 1_1	167300/836.5	100%	1.590	0.07	24.24	25.70	1.400	2.225	22.1
Left side	20	QPSK 1_1	166800/834	100%	1.600	0.05	24.08	25.70	1.452	<b>2.323</b>	22.1
Left side	20	QPSK 1_1	167800/839	100%	1.580	0.08	24.22	25.70	1.406	2.222	22.1
Product specific 10g SAR Test data (Separate 0mm 50%RB) DSI 4											
Left side	20	QPSK 50_28	167800/839	100%	1.480	0.15	24.08	25.70	1.452	2.149	22.1
Left side	20	QPSK 50_28	166800/834	100%	1.390	-0.08	24.03	25.70	1.469	2.042	22.1
Left side	20	QPSK 50_28	167300/836.5	100%	1.450	0.03	24.03	25.70	1.469	2.130	22.1
Product specific 10g SAR Test data (Separate 0mm 100%RB) DSI 4											
Left side	20	QPSK 100_0	167300/836.5	100%	1.200	0.01	23.21	24.70	1.409	1.691	22.1
Ant41 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)



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Head Test Data (1RB) DSI 2											
Left cheek	20	QPSK 1_1	167300/836.5	100%	0.159	0.02	24.91	25.50	1.146	0.182	22.1
Left tilted	20	QPSK 1_1	167300/836.5	100%	0.069	0.08	24.91	25.50	1.146	0.079	22.1
Right cheek	20	QPSK 1_1	167300/836.5	100%	0.136	0.02	24.91	25.50	1.146	0.156	22.1
Right tilted	20	QPSK 1_1	167300/836.5	100%	0.069	0.14	24.91	25.50	1.146	0.079	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	167300/836.5	100%	0.172	0.14	24.70	25.50	1.202	0.207	22.1
Left tilted	20	QPSK 50_28	167300/836.5	100%	0.078	0.01	24.70	25.50	1.202	0.094	22.1
Right cheek	20	QPSK 50_28	167300/836.5	100%	0.157	0.09	24.70	25.50	1.202	0.189	22.1
Right tilted	20	QPSK 50_28	167300/836.5	100%	0.074	0.06	24.70	25.50	1.202	0.089	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_1	167300/836.5	100%	0.112	0.10	24.91	25.50	1.146	0.128	22.1
Back side	20	QPSK 1_1	167300/836.5	100%	0.169	0.13	24.91	25.50	1.146	0.194	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_28	167300/836.5	100%	0.122	0.06	24.70	25.50	1.202	0.147	22.1
Back side	20	QPSK 50_28	167300/836.5	100%	0.168	0.06	24.70	25.50	1.202	0.202	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_1	167300/836.5	100%	0.186	0.13	23.86	24.50	1.159	0.216	22.1
Back side	20	QPSK 1_1	167300/836.5	100%	0.255	0.08	23.86	24.50	1.159	0.295	22.1
Left side	20	QPSK 1_1	167300/836.5	100%	0.132	0.01	23.86	24.50	1.159	0.153	22.1
Bottom side	20	QPSK 1_1	167300/836.5	100%	0.119	-0.02	23.86	24.50	1.159	0.138	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	167300/836.5	100%	0.193	0.03	23.63	24.50	1.222	0.236	22.3
Back side	20	QPSK 50_28	167300/836.5	100%	0.244	0.17	23.63	24.50	1.222	0.298	22.3
Left side	20	QPSK 50_28	167300/836.5	100%	0.155	-0.09	23.63	24.50	1.222	0.189	22.3
Bottom side	20	QPSK 50_28	167300/836.5	100%	0.168	-0.04	23.63	24.50	1.222	0.205	22.3

Table 26: SAR of 5G NR n5 for Head and Body and Product specific 10g SAR.



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**8.2.5 SAR Result of 5G NR n7**

Ant12 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) DSI 2											
Left cheek	40	QPSK 1_108	504000/2520	100%	0.154	0.05	20.21	21.00	1.199	0.185	22.8
Left tilted	40	QPSK 1_108	504000/2520	100%	0.092	0.05	20.21	21.00	1.199	0.111	22.8
Right cheek	40	QPSK 1_108	504000/2520	100%	0.481	0.04	20.21	21.00	1.199	0.577	22.8
Right tilted	40	QPSK 1_108	504000/2520	100%	0.175	0.02	20.21	21.00	1.199	0.210	22.8
Head Test Data (50%RB) DSI 2											
Left cheek	40	QPSK 108_54	507000/2535	100%	0.155	0.08	20.19	21.00	1.205	0.187	22.8
Left tilted	40	QPSK 108_54	507000/2535	100%	0.078	0.07	20.19	21.00	1.205	0.094	22.8
Right cheek	40	QPSK 108_54	507000/2535	100%	0.533	0.11	20.19	21.00	1.205	0.642	22.8
Right tilted	40	QPSK 108_54	507000/2535	100%	0.217	0.09	20.19	21.00	1.205	0.261	22.8
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	40	QPSK 1_108	504000/2520	100%	0.112	0.07	23.79	25.00	1.321	0.148	22.8
Back side	40	QPSK 1_108	504000/2520	100%	0.253	0.18	23.79	25.00	1.321	0.334	22.8
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	40	QPSK 108_54	510000/2550	100%	0.115	-0.07	23.63	25.00	1.371	0.158	22.8
Back side	40	QPSK 108_54	510000/2550	100%	0.217	-0.01	23.63	25.00	1.371	0.297	22.8
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	40	QPSK 1_108	504000/2520	100%	0.106	-0.03	20.21	21.00	1.199	0.127	22.8
Back side	40	QPSK 1_108	504000/2520	100%	0.264	-0.02	20.21	21.00	1.199	0.317	22.8
Left side	40	QPSK 1_108	504000/2520	100%	0.199	0.06	20.21	21.00	1.199	0.239	22.3
Top side	40	QPSK 1_108	504000/2520	100%	0.032	0.08	20.21	21.00	1.199	0.039	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	40	QPSK 108_54	507000/2535	100%	0.104	0.15	20.19	21.00	1.205	0.125	22.3
Back side	40	QPSK 108_54	507000/2535	100%	0.238	0.03	20.19	21.00	1.205	0.287	22.3
Left side	40	QPSK 108_54	507000/2535	100%	0.239	0.04	20.19	21.00	1.205	0.288	22.3
Top side	40	QPSK 108_54	507000/2535	100%	0.029	0.04	20.19	21.00	1.205	0.035	22.3
Ant14 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) DSI 2											
Left cheek	40	QPSK 1_214	504000/2520	100%	0.275	0.03	15.52	16.60	1.282	0.353	22.3
Left tilted	40	QPSK 1_214	504000/2520	100%	0.280	0.09	15.52	16.60	1.282	0.359	22.3
Right cheek	40	QPSK 1_214	504000/2520	100%	0.447	-0.16	15.52	16.60	1.282	0.573	22.3
Right tilted	40	QPSK 1_214	504000/2520	100%	0.613	0.04	15.52	16.60	1.282	<b>0.786</b>	22.3
Head Test Data (50%RB) DSI 2											
Left cheek	40	QPSK 108_54	510000/2550	100%	0.282	0.06	15.44	16.60	1.306	0.368	22.3
Left tilted	40	QPSK 108_54	510000/2550	100%	0.305	0.08	15.44	16.60	1.306	0.398	22.3
Right cheek	40	QPSK 108_54	510000/2550	100%	0.467	0.04	15.44	16.60	1.306	0.610	22.3
Right tilted	40	QPSK 108_54	510000/2550	100%	0.553	0.02	15.44	16.60	1.306	0.722	22.3
Head Test Data (1RB) DSI 3											
Left cheek	40	QPSK 1_214	504000/2520	100%	0.275	0.03	15.52	15.60	1.019	0.280	22.3
Left tilted	40	QPSK 1_214	504000/2520	100%	0.280	0.09	15.52	15.60	1.019	0.285	22.3
Right cheek	40	QPSK 1_214	504000/2520	100%	0.447	-0.16	15.52	15.60	1.019	0.455	22.3
Right tilted	40	QPSK 1_214	504000/2520	100%	0.613	0.04	15.52	15.60	1.019	0.624	22.3
Head Test Data (50%RB) DSI 3											
Left cheek	40	QPSK 108_54	510000/2550	100%	0.282	0.06	15.44	15.60	1.038	0.293	22.3



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Left tilted	40	QPSK 108_54	510000/2550	100%	0.305	0.08	15.44	15.60	1.038	0.316	22.3
Right cheek	40	QPSK 108_54	510000/2550	100%	0.467	0.04	15.44	15.60	1.038	0.485	22.3
Right tilted	40	QPSK 108_54	510000/2550	100%	0.553	0.02	15.44	15.60	1.038	0.574	22.3
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	40	QPSK 1_214	504000/2520	100%	0.378	0.07	23.06	24.10	1.271	0.480	22.2
Back side	40	QPSK 1_214	504000/2520	100%	0.322	0.03	23.06	24.10	1.271	0.409	22.2
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	40	QPSK 108_54	510000/2550	100%	0.335	-0.05	22.86	24.10	1.330	0.446	22.2
Back side	40	QPSK 108_54	510000/2550	100%	0.362	-0.07	22.86	24.10	1.330	<b>0.482</b>	22.2
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	40	QPSK 1_214	504000/2520	100%	0.222	-0.05	18.56	19.60	1.271	0.282	22.3
Back side	40	QPSK 1_214	504000/2520	100%	0.225	0.05	18.56	19.60	1.271	0.286	22.3
Left side	40	QPSK 1_214	504000/2520	100%	0.099	0.05	18.56	19.60	1.271	0.126	22.3
Top side	40	QPSK 1_214	504000/2520	100%	0.329	0.01	18.56	19.60	1.271	0.418	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	40	QPSK 108_54	507000/2535	100%	0.229	0.18	18.31	19.60	1.346	0.308	22.3
Back side	40	QPSK 108_54	507000/2535	100%	0.226	0.05	18.31	19.60	1.346	0.304	22.3
Left side	40	QPSK 108_54	507000/2535	100%	0.102	-0.05	18.31	19.60	1.346	0.137	22.3
Top side	40	QPSK 108_54	507000/2535	100%	0.336	0.05	18.31	19.60	1.346	<b>0.452</b>	22.3
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 4											
Top side	40	QPSK 1_214	504000/2520	100%	1.440	-0.04	19.96	21.10	1.300	1.872	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 4											
Top side	40	QPSK 108_54	510000/2550	100%	1.440	0.02	19.85	21.10	1.334	<b>1.920</b>	22.2
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor off DSI 7											
Top side-11mm	40	QPSK 1_214	504000/2520	100%	0.347	0.13	23.06	24.10	1.271	0.441	22.2
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 7											
Top side-11mm	40	QPSK 108_54	510000/2550	100%	0.352	0.16	22.86	24.10	1.330	0.468	22.2
<b>Ant31 Test Record</b>											
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) DSI 2											
Left cheek	40	QPSK 1_108	510000/2550	100%	0.146	0.01	23.54	24.50	1.247	0.182	22.3
Left tilted	40	QPSK 1_108	510000/2550	100%	0.120	0.02	23.54	24.50	1.247	0.150	22.3
Right cheek	40	QPSK 1_108	510000/2550	100%	0.363	0.09	23.54	24.50	1.247	0.453	22.3
Right tilted	40	QPSK 1_108	510000/2550	100%	0.126	0.03	23.54	24.50	1.247	0.157	22.3
Head Test Data (50%RB) DSI 2											
Left cheek	40	QPSK 108_54	510000/2550	100%	0.151	0.04	23.48	24.50	1.265	0.191	22.1
Left tilted	40	QPSK 108_54	510000/2550	100%	0.117	-0.04	23.48	24.50	1.265	0.148	22.1
Right cheek	40	QPSK 108_54	510000/2550	100%	0.345	0.03	23.48	24.50	1.265	0.436	22.3
Right tilted	40	QPSK 108_54	510000/2550	100%	0.116	0.04	23.48	24.50	1.265	0.147	22.3
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	40	QPSK 1_214	504000/2520	100%	0.166	0.07	20.51	21.50	1.256	0.209	22.3
Back side	40	QPSK 1_214	504000/2520	100%	0.175	0.13	20.51	21.50	1.256	0.220	22.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	40	QPSK 108_54	507000/2535	100%	0.143	0.05	20.41	21.50	1.285	0.184	22.3
Back side	40	QPSK 108_54	507000/2535	100%	0.166	0.07	20.41	21.50	1.285	0.213	22.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	40	QPSK 1_108	510000/2550	100%	0.205	0.05	19.03	20.00	1.250	0.256	22.3



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Back side	40	QPSK 1_108	510000/2550	100%	0.253	0.06	19.03	20.00	1.250	0.316	22.3
Right side	40	QPSK 1_108	510000/2550	100%	0.122	-0.18	19.03	20.00	1.250	0.153	22.3
Bottom side	40	QPSK 1_108	510000/2550	100%	0.186	-0.16	19.03	20.00	1.250	0.233	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	40	QPSK 108_54	510000/2550	100%	0.186	0.01	18.98	20.00	1.265	0.235	22.3
Back side	40	QPSK 108_54	510000/2550	100%	0.244	0.02	18.98	20.00	1.265	0.309	22.3
Right side	40	QPSK 108_54	510000/2550	100%	0.116	0.04	18.98	20.00	1.265	0.147	22.3
Bottom side	40	QPSK 108_54	510000/2550	100%	0.189	0.07	18.98	20.00	1.265	0.239	22.3

Table 27: SAR of 5G NR n7 for Head and Body and Product specific 10g SAR.



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### 8.2.6 SAR Result of 5G NR n26

Ant 11 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) DSI 2											
Left cheek	20	QPSK 1_53	164800/824	100%	0.268	-0.11	22.11	23.30	1.315	0.352	22.1
Left tilted	20	QPSK 1_53	164800/824	100%	0.044	0.01	22.11	23.30	1.315	0.057	22.1
Right cheek	20	QPSK 1_53	164800/824	100%	0.206	0.04	22.11	23.30	1.315	0.271	22.1
Right tilted	20	QPSK 1_53	164800/824	100%	0.042	0.07	22.11	23.30	1.315	0.055	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	167800/839	100%	0.284	-0.01	22.08	23.30	1.324	<b>0.376</b>	22.1
Left tilted	20	QPSK 50_28	167800/839	100%	0.043	-0.07	22.08	23.30	1.324	0.057	22.1
Right cheek	20	QPSK 50_28	167800/839	100%	0.144	0.09	22.08	23.30	1.324	0.191	22.1
Right tilted	20	QPSK 50_28	167800/839	100%	0.033	0.05	22.08	23.30	1.324	0.044	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	20	QPSK 1_53	164800/824	100%	0.150	0.09	23.66	24.80	1.300	0.195	22.1
Back side	20	QPSK 1_53	164800/824	100%	0.343	-0.03	23.66	24.80	1.300	<b>0.446</b>	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	20	QPSK 50_28	167800/839	100%	0.103	0.04	23.64	24.80	1.306	0.135	22.1
Back side	20	QPSK 50_28	167800/839	100%	0.207	-0.05	23.64	24.80	1.306	0.270	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_53	164800/824	100%	0.165	0.09	22.11	23.30	1.315	0.217	22.1
Back side	20	QPSK 1_53	164800/824	100%	0.418	-0.04	22.11	23.30	1.315	0.550	22.1
Left side	20	QPSK 1_53	164800/824	100%	0.495	0.19	22.11	23.30	1.315	<b>0.651</b>	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	167800/839	100%	0.122	0.03	22.08	23.30	1.324	0.162	22.1
Back side	20	QPSK 50_28	167800/839	100%	0.335	0.18	22.08	23.30	1.324	0.444	22.1
Left side	20	QPSK 50_28	167800/839	100%	0.315	-0.04	22.08	23.30	1.324	0.417	22.1
Ant 41 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) DSI 2											
Left cheek	20	QPSK 1_53	164800/824	100%	0.157	-0.04	24.05	25.00	1.245	0.195	22.1
Left tilted	20	QPSK 1_53	164800/824	100%	0.067	-0.10	24.05	25.00	1.245	0.083	22.1
Right cheek	20	QPSK 1_53	164800/824	100%	0.141	0.07	24.05	25.00	1.245	0.175	22.1
Right tilted	20	QPSK 1_53	164800/824	100%	0.062	0.08	24.05	25.00	1.245	0.077	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	20	QPSK 50_28	164800/824	100%	0.149	0.01	24.06	25.00	1.242	0.185	22.1
Left tilted	20	QPSK 50_28	164800/824	100%	0.077	0.00	24.06	25.00	1.242	0.095	22.1
Right cheek	20	QPSK 50_28	164800/824	100%	0.132	0.03	24.06	25.00	1.242	0.164	22.1
Right tilted	20	QPSK 50_28	164800/824	100%	0.069	0.07	24.06	25.00	1.242	0.086	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	20	QPSK 1_53	164800/824	100%	0.137	0.11	24.05	25.00	1.245	0.170	22.1
Back side	20	QPSK 1_53	164800/824	100%	0.170	0.19	24.05	25.00	1.245	0.212	22.1



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Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	20	QPSK 50_28	164800/824	100%	0.137	-0.09	24.06	25.00	1.242	0.170	22.1
Back side	20	QPSK 50_28	164800/824	100%	0.157	0.03	24.06	25.00	1.242	0.195	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	20	QPSK 1_104	164800/824	100%	0.152	-0.18	23.51	24.50	1.256	0.191	22.1
Back side	20	QPSK 1_104	164800/824	100%	0.219	0.10	23.51	24.50	1.256	0.275	22.1
Left side	20	QPSK 1_104	164800/824	100%	0.123	-0.09	23.51	24.50	1.256	0.154	22.1
Bottom side	20	QPSK 1_104	164800/824	100%	0.113	-0.10	23.51	24.50	1.256	0.142	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	20	QPSK 50_28	164800/824	100%	0.180	0.05	23.51	24.50	1.256	0.226	22.1
Back side	20	QPSK 50_28	164800/824	100%	0.253	-0.06	23.51	24.50	1.256	0.318	22.1
Left side	20	QPSK 50_28	164800/824	100%	0.164	-0.02	23.51	24.50	1.256	0.206	22.1
Bottom side	20	QPSK 50_28	164800/824	100%	0.129	0.01	23.51	24.50	1.256	0.162	22.1

Table 28: SAR of 5G NR n26 for Head and Body.



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### 8.2.7 SAR Result of 5G NR n41

Ant12 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) DSI 2												
Left cheek	100	QPSK 1_137	523302/2616.51	100%	0.166	0.01	19.99	21.50	1.416	0.235	22.1	
Left tilted	100	QPSK 1_137	523302/2616.51	100%	0.065	0.03	19.99	21.50	1.416	0.092	22.1	
Right cheek	100	QPSK 1_137	523302/2616.51	100%	0.486	0.04	19.99	21.50	1.416	0.688	22.1	
Right tilted	100	QPSK 1_137	523302/2616.51	100%	0.124	-0.04	19.99	21.50	1.416	0.176	22.1	
Right cheek	100	QPSK 1_271	509202/2546.01	100%	0.512	0.08	19.89	21.50	1.449	0.742	22.1	
Right cheek	100	QPSK 1_271	513900/2569.5	100%	0.481	0.03	19.89	21.50	1.449	0.697	22.1	
Right cheek	100	QPSK 1_271	518598/2592.99	100%	0.483	0.02	19.83	21.50	1.469	0.709	22.1	
Right cheek	100	QPSK 1_137	528000/2640	100%	0.495	0.17	19.81	21.50	1.476	0.730	22.1	
Head Test Data (50%RB) DSI 2												
Left cheek	100	QPSK 135_69	523302/2616.51	100%	0.171	0.07	20.01	21.50	1.409	0.241	22.1	
Left tilted	100	QPSK 135_69	523302/2616.51	100%	0.062	0.09	20.01	21.50	1.409	0.087	22.1	
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.502	0.08	20.01	21.50	1.409	0.707	22.1	
Right tilted	100	QPSK 135_69	523302/2616.51	100%	0.130	0.01	20.01	21.50	1.409	0.183	22.1	
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.518	0.05	19.81	21.50	1.476	0.764	22.1	
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.523	0.01	19.94	21.50	1.432	0.749	22.1	
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.515	0.07	19.74	21.50	1.500	0.772	22.1	
Right cheek	100	QPSK 135_69	528000/2640	100%	0.494	0.06	19.72	21.50	1.507	0.744	22.1	
Body worn Test data (Separate 15mm 1RB) DSI 7												
Front side	100	QPSK 1_137	523302/2616.51	100%	0.125	0.01	23.99	25.50	1.416	0.177	22.1	
Back side	100	QPSK 1_137	523302/2616.51	100%	0.210	0.06	23.99	25.50	1.416	0.297	22.1	
Body worn Test data (Separate 15mm 50%RB) DSI 7												
Front side	100	QPSK 135_69	523302/2616.51	100%	0.128	0.08	24.01	25.50	1.409	0.180	22.1	
Back side	100	QPSK 135_69	523302/2616.51	100%	0.205	0.09	24.01	25.50	1.409	0.289	22.1	
Hotspot Test data (Separate 10mm 1RB) DSI 6												
Front side	100	QPSK 1_271	523302/2616.51	100%	0.091	0.07	18.49	20.00	1.416	0.128	22.1	
Back side	100	QPSK 1_271	523302/2616.51	100%	0.178	0.05	18.49	20.00	1.416	0.252	22.1	
Left side	100	QPSK 1_271	523302/2616.51	100%	0.190	0.03	18.49	20.00	1.416	0.269	22.1	
Top side	100	QPSK 1_271	523302/2616.51	100%	0.022	0.04	18.49	20.00	1.416	0.031	22.1	
Hotspot Test data (Separate 10mm 50%RB) DSI 6												
Front side	100	QPSK 135_69	523302/2616.51	100%	0.083	0.09	18.46	20.00	1.426	0.118	22.1	
Back side	100	QPSK 135_69	523302/2616.51	100%	0.140	0.03	18.46	20.00	1.426	0.200	22.1	
Left side	100	QPSK 135_69	523302/2616.51	100%	0.194	0.03	18.46	20.00	1.426	0.277	22.1	
Top side	100	QPSK 135_69	523302/2616.51	100%	0.012	0.08	18.46	20.00	1.426	0.017	22.1	
Ant14 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) DSI 2												
Left cheek	100	QPSK 1_1	509202/2546.01	100%	0.284	0.07	15.98	17.30	1.355	0.385	22.1	
Left tilted	100	QPSK 1_1	509202/2546.01	100%	0.311	0.08	15.98	17.30	1.355	0.421	22.1	
Right cheek	100	QPSK 1_1	509202/2546.01	100%	0.483	0.01	15.98	17.30	1.355	0.655	22.1	
Right tilted	100	QPSK 1_1	509202/2546.01	100%	0.624	0.06	15.98	17.30	1.355	0.846	22.1	
Right cheek	100	QPSK 1_271	513900/2569.5	100%	0.381	0.00	15.93	17.30	1.371	0.522	22.1	
Right cheek	100	QPSK 1_271	518598/2592.99	100%	0.447	0.12	15.92	17.30	1.374	0.614	22.1	
Right cheek	100	QPSK 1_271	523302/2616.51	100%	0.439	0.10	15.88	17.30	1.387	0.609	22.1	



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Right cheek	100	QPSK 1_137	528000/2640	100%	0.448	0.12	15.85	17.30	1.396	0.626	22.1
Right tilted	100	QPSK 1_271	513900/2569.5	100%	0.459	0.07	15.93	17.30	1.371	0.629	22.1
Right tilted	100	QPSK 1_271	518598/2592.99	100%	0.399	-0.08	15.92	17.30	1.374	0.548	22.1
Right tilted	100	QPSK 1_271	523302/2616.51	100%	0.433	0.02	15.88	17.30	1.387	0.600	22.1
Right tilted	100	QPSK 1_137	528000/2640	100%	0.447	0.12	15.85	17.30	1.396	0.624	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	100	QPSK 135_69	523302/2616.51	100%	0.255	0.14	15.99	17.30	1.352	0.345	22.1
Left tilted	100	QPSK 135_69	523302/2616.51	100%	0.267	0.09	15.99	17.30	1.352	0.361	22.1
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.448	-0.03	15.99	17.30	1.352	0.606	22.1
Right tilted	100	QPSK 135_69	523302/2616.51	100%	0.460	0.01	15.99	17.30	1.352	0.622	22.1
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.506	0.12	15.82	17.30	1.406	0.711	22.1
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.473	0.06	15.90	17.30	1.380	0.653	22.1
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.456	-0.09	15.89	17.30	1.384	0.631	22.1
Right cheek	100	QPSK 135_69	528000/2640	100%	0.460	0.01	15.96	17.30	1.361	0.626	22.1
Right tilted	100	QPSK 135_69	509202/2546.01	100%	0.547	0.17	15.82	17.30	1.406	0.769	22.1
Right tilted	100	QPSK 135_69	513900/2569.5	100%	0.506	0.13	15.90	17.30	1.380	0.698	22.1
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.478	0.07	15.89	17.30	1.384	0.661	22.1
Right tilted	100	QPSK 135_69	528000/2640	100%	0.441	0.07	15.96	17.30	1.361	0.600	22.1
Head Test Data (100%RB) DSI 2											
Right tilted	100	QPSK 270_0	523302/2616.51	100%	0.396	0.19	14.87	16.30	1.390	0.550	22.1
Head Test Data (1RB) DSI 3											
Left cheek	100	QPSK 1_1	509202/2546.01	100%	0.284	0.07	15.98	16.30	1.076	0.306	22.1
Left tilted	100	QPSK 1_1	509202/2546.01	100%	0.311	0.08	15.98	16.30	1.076	0.335	22.1
Right cheek	100	QPSK 1_1	509202/2546.01	100%	0.483	0.01	15.98	16.30	1.076	0.520	22.1
Right tilted	100	QPSK 1_1	509202/2546.01	100%	0.624	0.06	15.98	16.30	1.076	0.672	22.1
Right cheek	100	QPSK 1_271	513900/2569.5	100%	0.381	0.00	15.93	16.30	1.089	0.415	22.1
Right cheek	100	QPSK 1_271	518598/2592.99	100%	0.447	0.12	15.92	16.30	1.091	0.488	22.1
Right cheek	100	QPSK 1_271	523302/2616.51	100%	0.439	0.10	15.88	16.30	1.102	0.484	22.1
Right cheek	100	QPSK 1_137	528000/2640	100%	0.448	0.12	15.85	16.30	1.109	0.497	22.1
Right tilted	100	QPSK 1_271	513900/2569.5	100%	0.459	0.07	15.93	16.30	1.089	0.500	22.1
Right tilted	100	QPSK 1_271	518598/2592.99	100%	0.399	-0.08	15.92	16.30	1.091	0.435	22.1
Right tilted	100	QPSK 1_271	523302/2616.51	100%	0.433	0.02	15.88	16.30	1.102	0.477	22.1
Right tilted	100	QPSK 1_137	528000/2640	100%	0.447	0.12	15.85	16.30	1.109	0.496	22.1
Head Test Data (50%RB) DSI 3											
Left cheek	100	QPSK 135_69	523302/2616.51	100%	0.255	0.14	15.99	16.30	1.074	0.274	22.1
Left tilted	100	QPSK 135_69	523302/2616.51	100%	0.267	0.09	15.99	16.30	1.074	0.287	22.1
Right cheek	100	QPSK 135_69	523302/2616.51	100%	0.448	-0.03	15.99	16.30	1.074	0.481	22.1
Right tilted	100	QPSK 135_69	523302/2616.51	100%	0.460	0.01	15.99	16.30	1.074	0.494	22.1
Right cheek	100	QPSK 135_69	509202/2546.01	100%	0.506	0.12	15.82	16.30	1.117	0.565	22.1
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.473	0.06	15.90	16.30	1.096	0.519	22.1
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.456	-0.09	15.89	16.30	1.099	0.501	22.1
Right cheek	100	QPSK 135_69	528000/2640	100%	0.460	0.01	15.96	16.30	1.081	0.497	22.1
Right tilted	100	QPSK 135_69	509202/2546.01	100%	0.547	0.17	15.82	16.30	1.117	0.611	22.1
Right tilted	100	QPSK 135_69	513900/2569.5	100%	0.506	0.13	15.90	16.30	1.096	0.555	22.1
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.478	0.07	15.89	16.30	1.099	0.525	22.1
Right tilted	100	QPSK 135_69	528000/2640	100%	0.441	0.07	15.96	16.30	1.081	0.477	22.1
Head Test Data (100%RB) DSI 3											
Right tilted	100	QPSK 270_0	523302/2616.51	100%	0.396	0.19	14.87	15.30	1.104	0.437	22.1
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	100	QPSK 1_271	518598/2592.99	100%	0.144	0.08	23.51	24.80	1.346	0.194	22.1
Back side	100	QPSK 1_271	518598/2592.99	100%	0.182	0.05	23.51	24.80	1.346	0.245	22.1



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Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	100	QPSK 135_69	523302/2616.51	100%	0.215	0.02	23.51	24.80	1.346	0.289	22.1
Back side	100	QPSK 135_69	523302/2616.51	100%	0.225	-0.07	23.51	24.80	1.346	0.303	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	100	QPSK 1_271	518598/2592.99	100%	0.152	0.07	18.92	20.30	1.374	0.209	22.2
Back side	100	QPSK 1_271	518598/2592.99	100%	0.182	0.04	18.92	20.30	1.374	0.250	22.2
Left side	100	QPSK 1_271	518598/2592.99	100%	0.060	0.07	18.92	20.30	1.374	0.082	22.2
Top side	100	QPSK 1_271	518598/2592.99	100%	0.250	0.08	18.92	20.30	1.374	0.344	22.2
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	523302/2616.51	100%	0.153	0.01	18.94	20.30	1.368	0.209	22.2
Back side	100	QPSK 135_69	523302/2616.51	100%	0.188	0.07	18.94	20.30	1.368	0.257	22.2
Left side	100	QPSK 135_69	523302/2616.51	100%	0.066	-0.06	18.94	20.30	1.368	0.090	22.2
Top side	100	QPSK 135_69	523302/2616.51	100%	0.266	0.16	18.94	20.30	1.368	0.364	22.2
Ant24 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) DSI 2											
Left cheek	100	QPSK 1_271	528000/2640	100%	0.445	0.06	16.75	17.80	1.274	0.567	22.1
Left tilted	100	QPSK 1_271	528000/2640	100%	0.159	0.06	16.75	17.80	1.274	0.202	22.1
Right cheek	100	QPSK 1_271	528000/2640	100%	0.132	-0.09	16.75	17.80	1.274	0.168	22.1
Right tilted	100	QPSK 1_271	528000/2640	100%	0.057	0.01	16.75	17.80	1.274	0.072	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	100	QPSK 135_69	513900/2569.5	100%	0.781	0.05	16.84	17.80	1.247	0.974	22.1
Left tilted	100	QPSK 135_69	513900/2569.5	100%	0.157	0.06	16.84	17.80	1.247	0.196	22.1
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.188	0.05	16.84	17.80	1.247	0.235	22.1
Right tilted	100	QPSK 135_69	513900/2569.5	100%	0.064	0.08	16.84	17.80	1.247	0.080	22.1
Left cheek	100	QPSK 135_69	509202/2546.01	100%	0.728	0.05	16.50	17.80	1.349	<b>0.982</b>	22.1
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.605	0.05	16.48	17.80	1.355	0.820	22.1
Left cheek	100	QPSK 135_69	523302/2616.51	100%	0.682	0.08	16.58	17.80	1.324	0.903	22.1
Left cheek	100	QPSK 135_69	528000/2640	100%	0.730	0.07	16.58	17.80	1.324	0.967	22.1
Head Test Data (100%RB) DSI 2											
Left cheek	100	QPSK 270_0	509202/2546.01	100%	0.491	0.08	15.55	16.80	1.334	0.655	22.1
Head Test Data (1RB) DSI 3											
Left cheek	100	QPSK 1_271	528000/2640	100%	0.445	0.06	16.75	15.80	0.804	0.358	22.1
Left tilted	100	QPSK 1_271	528000/2640	100%	0.159	0.06	16.75	15.80	0.804	0.128	22.1
Right cheek	100	QPSK 1_271	528000/2640	100%	0.132	-0.09	16.75	15.80	0.804	0.106	22.1
Right tilted	100	QPSK 1_271	528000/2640	100%	0.057	0.01	16.75	15.80	0.804	0.045	22.1
Head Test Data (50%RB) DSI 3											
Left cheek	100	QPSK 135_69	513900/2569.5	100%	0.781	0.05	16.84	15.80	0.787	0.615	22.1
Left tilted	100	QPSK 135_69	513900/2569.5	100%	0.157	0.06	16.84	15.80	0.787	0.124	22.1
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.188	0.05	16.84	15.80	0.787	0.148	22.1
Right tilted	100	QPSK 135_69	513900/2569.5	100%	0.064	0.08	16.84	15.80	0.787	0.051	22.1
Left cheek	100	QPSK 135_69	509202/2546.01	100%	0.728	0.05	16.50	15.80	0.851	0.620	22.1
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.605	0.05	16.48	15.80	0.855	0.517	22.1
Left cheek	100	QPSK 135_69	523302/2616.51	100%	0.682	0.08	16.58	15.80	0.836	0.570	22.1
Left cheek	100	QPSK 135_69	528000/2640	100%	0.730	0.07	16.58	15.80	0.836	0.610	22.1
Head Test Data (100%RB) DSI 3											
Left cheek	100	QPSK 270_0	509202/2546.01	100%	0.491	0.08	15.55	14.80	0.841	0.413	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	100	QPSK 1_271	528000/2640	100%	0.078	0.06	20.68	21.80	1.294	0.101	22.1
Back side	100	QPSK 1_271	528000/2640	100%	0.152	0.09	20.68	21.80	1.294	0.197	22.1



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Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	100	QPSK 135_69	513900/2569.5	100%	0.118	0.04	20.57	21.80	1.327	0.157	22.1
Back side	100	QPSK 135_69	513900/2569.5	100%	0.242	0.09	20.57	21.80	1.327	<b>0.321</b>	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	100	QPSK 1_271	528000/2640	100%	0.122	0.07	19.10	20.30	1.318	0.161	22.1
Back side	100	QPSK 1_271	528000/2640	100%	0.335	0.07	19.10	20.30	1.318	0.442	22.1
Right side	100	QPSK 1_271	528000/2640	100%	0.358	0.01	19.10	20.30	1.318	0.472	22.1
Top side	100	QPSK 1_271	528000/2640	100%	0.113	0.10	19.10	20.30	1.318	0.149	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	513900/2569.5	100%	0.166	0.04	19.06	20.30	1.330	0.221	22.1
Back side	100	QPSK 135_69	513900/2569.5	100%	0.354	0.08	19.06	20.30	1.330	0.471	22.1
Right side	100	QPSK 135_69	513900/2569.5	100%	0.392	0.07	19.06	20.30	1.330	<b>0.522</b>	22.1
Top side	100	QPSK 135_69	513900/2569.5	100%	0.095	0.06	19.06	20.30	1.330	0.126	22.1
Ant31 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) DSI 2											
Left cheek	100	QPSK 1_271	513900/2569.5	100%	0.144	0.01	24.14	25.00	1.219	0.176	22.3
Left tilted	100	QPSK 1_271	513900/2569.5	100%	0.129	0.16	24.14	25.00	1.219	0.157	22.3
Right cheek	100	QPSK 1_271	513900/2569.5	100%	0.329	0.09	24.14	25.00	1.219	0.401	22.3
Right tilted	100	QPSK 1_271	513900/2569.5	100%	0.134	0.19	24.14	25.00	1.219	0.163	22.3
Head Test Data (50%RB) DSI 2											
Left cheek	100	QPSK 135_69	513900/2569.5	100%	0.181	0.08	24.18	25.00	1.208	0.219	22.3
Left tilted	100	QPSK 135_69	513900/2569.5	100%	0.157	0.04	24.18	25.00	1.208	0.190	22.3
Right cheek	100	QPSK 135_69	513900/2569.5	100%	0.388	0.02	24.18	25.00	1.208	0.469	22.3
Right tilted	100	QPSK 135_69	513900/2569.5	100%	0.155	0.09	24.18	25.00	1.208	0.187	22.3
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	100	QPSK 1_271	513900/2569.5	100%	0.157	0.07	21.09	22.00	1.233	0.194	22.3
Back side	100	QPSK 1_271	513900/2569.5	100%	0.197	0.08	21.09	22.00	1.233	0.243	22.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	100	QPSK 135_69	513900/2569.5	100%	0.193	0.02	21.13	22.00	1.222	0.236	22.3
Back side	100	QPSK 135_69	513900/2569.5	100%	0.240	0.02	21.13	22.00	1.222	0.293	22.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	100	QPSK 1_137	528000/2640	100%	0.194	0.08	19.61	20.50	1.227	0.238	22.3
Back side	100	QPSK 1_137	528000/2640	100%	0.299	0.01	19.61	20.50	1.227	0.367	22.3
Right side	100	QPSK 1_137	528000/2640	100%	0.122	-0.03	19.61	20.50	1.227	0.150	22.3
Bottom side	100	QPSK 1_137	528000/2640	100%	0.204	0.12	19.61	20.50	1.227	0.250	22.3
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	513900/2569.5	100%	0.235	0.08	19.65	20.50	1.216	0.286	22.3
Back side	100	QPSK 135_69	513900/2569.5	100%	0.319	0.04	19.65	20.50	1.216	0.388	22.3
Right side	100	QPSK 135_69	513900/2569.5	100%	0.119	0.08	19.65	20.50	1.216	0.145	22.3
Bottom side	100	QPSK 135_69	513900/2569.5	100%	0.203	0.01	19.65	20.50	1.216	0.247	22.3

Table 29: SAR of 5G NR n41 for Head and Body.



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**8.2.8 SAR Result of 5G NR n66**

Ant12 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) DSI 2											
Left cheek	40	QPSK 1_214	352000/1760	100%	0.063	0.08	23.95	24.40	1.109	0.070	21.8
Left tilted	40	QPSK 1_214	352000/1760	100%	0.042	0.07	23.95	24.40	1.109	0.047	21.8
Right cheek	40	QPSK 1_214	352000/1760	100%	0.313	0.05	23.95	24.40	1.109	0.347	21.8
Right tilted	40	QPSK 1_214	352000/1760	100%	0.075	0.08	23.95	24.40	1.109	0.084	21.8
Head Test Data (50%RB) DSI 2											
Left cheek	40	QPSK 108_54	352000/1760	100%	0.107	0.06	23.85	24.40	1.135	0.121	21.8
Left tilted	40	QPSK 108_54	352000/1760	100%	0.029	0.10	23.85	24.40	1.135	0.033	21.8
Right cheek	40	QPSK 108_54	352000/1760	100%	0.339	0.01	23.85	24.40	1.135	0.385	21.8
Right tilted	40	QPSK 108_54	352000/1760	100%	0.100	0.08	23.85	24.40	1.135	0.113	21.8
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	40	QPSK 1_214	352000/1760	100%	0.024	0.01	23.95	24.40	1.109	0.027	22.1
Back side	40	QPSK 1_214	352000/1760	100%	0.050	0.05	23.95	24.40	1.109	0.056	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	40	QPSK 108_54	352000/1760	100%	0.029	-0.04	23.85	24.40	1.135	0.033	21.9
Back side	40	QPSK 108_54	352000/1760	100%	0.075	0.05	23.85	24.40	1.135	0.085	21.9
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	40	QPSK 1_214	352000/1760	100%	0.059	0.17	23.95	24.40	1.109	0.066	22.1
Back side	40	QPSK 1_214	352000/1760	100%	0.129	0.17	23.95	24.40	1.109	0.143	22.1
Left side	40	QPSK 1_214	352000/1760	100%	0.196	0.08	23.95	24.40	1.109	0.217	22.1
Top side	40	QPSK 1_214	352000/1760	100%	0.014	0.06	23.95	24.40	1.109	0.016	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	40	QPSK 108_54	352000/1760	100%	0.068	0.14	23.85	24.40	1.135	0.077	21.9
Back side	40	QPSK 108_54	352000/1760	100%	0.132	0.06	23.85	24.40	1.135	0.150	21.9
Left side	40	QPSK 108_54	352000/1760	100%	0.276	-0.16	23.85	24.40	1.135	0.313	21.9
Top side	40	QPSK 108_54	352000/1760	100%	0.014	0.11	23.85	24.40	1.135	0.015	21.9
Ant14 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) DSI 2											
Left cheek	40	QPSK 1_214	349000/1745	100%	0.349	-0.08	16.53	18.00	1.403	0.490	22.3
Left tilted	40	QPSK 1_214	349000/1745	100%	0.407	-0.03	16.53	18.00	1.403	0.571	22.3
Right cheek	40	QPSK 1_214	349000/1745	100%	0.567	0.11	16.53	18.00	1.403	0.795	22.3
Right tilted	40	QPSK 1_214	349000/1745	100%	0.486	-0.02	16.53	18.00	1.403	0.682	22.3
Right cheek	40	QPSK 1_214	346000/1730	100%	0.573	0.13	16.45	18.00	1.429	<b>0.819</b>	22.3
Right cheek	40	QPSK 1_108	352000/1760	100%	0.505	0.17	16.48	18.00	1.419	0.717	22.3
Head Test Data (50%RB) DSI 2											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.348	-0.06	16.58	18.00	1.387	0.483	22.3
Left tilted	40	QPSK 108_54	349000/1745	100%	0.405	0.06	16.58	18.00	1.387	0.562	22.3
Right cheek	40	QPSK 108_54	349000/1745	100%	0.582	0.08	16.58	18.00	1.387	0.807	22.3
Right tilted	40	QPSK 108_54	349000/1745	100%	0.482	0.03	16.58	18.00	1.387	0.668	22.3
Right cheek	40	QPSK 108_54	346000/1730	100%	0.561	0.11	16.55	18.00	1.396	0.783	22.3
Right cheek	40	QPSK 108_54	352000/1760	100%	0.534	0.18	16.50	18.00	1.413	0.754	22.3
Head Test Data (100%RB) DSI 2											
Right cheek	40	QPSK 216_0	346000/1730	100%	0.418	0.06	15.64	17.00	1.368	0.572	22.3



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Head Test Data (1RB) DSI 3											
Left cheek	40	QPSK 1_214	349000/1745	100%	0.349	-0.08	16.53	17.00	1.114	0.389	22.3
Left tilted	40	QPSK 1_214	349000/1745	100%	0.407	-0.03	16.53	17.00	1.114	0.454	22.3
Right cheek	40	QPSK 1_214	349000/1745	100%	0.567	0.11	16.53	17.00	1.114	0.632	22.3
Right tilted	40	QPSK 1_214	349000/1745	100%	0.486	-0.02	16.53	17.00	1.114	0.542	22.3
Right cheek	40	QPSK 1_214	346000/1730	100%	0.573	0.13	16.45	17.00	1.135	0.650	22.3
Right cheek	40	QPSK 1_108	352000/1760	100%	0.505	0.17	16.48	17.00	1.127	0.569	22.3
Head Test Data (50%RB) DSI 3											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.348	-0.06	16.58	17.00	1.102	0.383	22.3
Left tilted	40	QPSK 108_54	349000/1745	100%	0.405	0.06	16.58	17.00	1.102	0.446	22.3
Right cheek	40	QPSK 108_54	349000/1745	100%	0.582	0.08	16.58	17.00	1.102	0.641	22.3
Right tilted	40	QPSK 108_54	349000/1745	100%	0.482	0.03	16.58	17.00	1.102	0.531	22.3
Right cheek	40	QPSK 108_54	346000/1730	100%	0.561	0.11	16.55	17.00	1.109	0.622	22.3
Right cheek	40	QPSK 108_54	352000/1760	100%	0.534	0.18	16.50	17.00	1.122	0.599	22.3
Head Test Data (100%RB) DSI 3											
Right cheek	40	QPSK 216_0	346000/1730	100%	0.418	0.06	15.64	16.00	1.086	0.454	22.3
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	40	QPSK 1_214	349000/1745	100%	0.377	0.05	23.57	25.00	1.390	0.524	22.4
Back side	40	QPSK 1_214	349000/1745	100%	0.409	0.06	23.57	25.00	1.390	0.568	22.4
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	40	QPSK 108_54	349000/1745	100%	0.367	-0.04	23.58	25.00	1.387	0.509	22.4
Back side	40	QPSK 108_54	349000/1745	100%	0.404	0.02	23.58	25.00	1.387	0.560	22.4
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	40	QPSK 1_214	349000/1745	100%	0.211	-0.04	18.55	20.00	1.396	0.295	22.4
Back side	40	QPSK 1_214	349000/1745	100%	0.257	-0.15	18.55	20.00	1.396	0.359	22.4
Left side	40	QPSK 1_214	349000/1745	100%	0.072	0.01	18.55	20.00	1.396	0.101	22.4
Top side	40	QPSK 1_214	349000/1745	100%	0.376	0.17	18.55	20.00	1.396	0.525	22.4
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	40	QPSK 108_54	349000/1745	100%	0.210	-0.15	18.48	20.00	1.419	0.298	22.4
Back side	40	QPSK 108_54	349000/1745	100%	0.254	-0.13	18.48	20.00	1.419	0.360	22.4
Left side	40	QPSK 108_54	349000/1745	100%	0.080	0.07	18.48	20.00	1.419	0.114	22.4
Top side	40	QPSK 108_54	349000/1745	100%	0.345	0.04	18.48	20.00	1.419	0.490	22.4
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 4											
Back side	40	QPSK 1_214	349000/1745	100%	1.240	0.07	20.00	21.50	1.413	1.752	22.4
Top side	40	QPSK 1_214	349000/1745	100%	1.620	-0.10	20.00	21.50	1.413	2.288	22.4
Top side	40	QPSK 1_108	346000/1730	100%	1.560	0.01	19.97	21.50	1.422	2.219	22.4
Top side	40	QPSK 1_108	352000/1760	100%	1.640	0.02	19.93	21.50	1.435	<b>2.354</b>	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor on DSI 4											
Back side	40	QPSK 108_54	346000/1730	100%	1.270	-0.09	20.04	21.50	1.400	1.777	22.4
Top side	40	QPSK 108_54	346000/1730	100%	1.600	-0.03	20.04	21.50	1.400	2.239	22.4
Top side	40	QPSK 108_54	349000/1745	100%	1.650	0.01	20.01	21.50	1.409	2.325	22.4
Top side	40	QPSK 108_54	352000/1760	100%	1.630	0.09	20.02	21.50	1.406	2.292	22.4
Product specific 10g SAR Test data (Separate 0mm 100%RB) Sensor on DSI 4											
Top side	40	QPSK 216_0	346000/1730	100%	1.280	0.04	19.17	20.50	1.358	1.739	22.4
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor off DSI 7											
Back side-11mm	40	QPSK 1_214	349000/1745	100%	0.506	0.10	23.57	25.00	1.390	0.703	22.4
Top side-11mm	40	QPSK 1_214	349000/1745	100%	0.571	-0.03	23.57	25.00	1.390	0.794	22.4
Product specific 10g SAR Test data (Separate 0mm 50%RB) Sensor off DSI 7											
Back side-11mm	40	QPSK 108_54	349000/1745	100%	0.501	0.12	23.58	25.00	1.387	0.695	22.4



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Top side-11mm	40	QPSK 108_54	349000/1745	100%	0.540	0.05	23.58	25.00	1.387	0.749	22.4
Ant31 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) DSI 2											
Left cheek	40	QPSK 1_1	349000/1745	100%	0.129	-0.04	24.19	25.50	1.352	0.174	22.1
Left tilted	40	QPSK 1_1	349000/1745	100%	0.050	-0.05	24.19	25.50	1.352	0.067	22.1
Right cheek	40	QPSK 1_1	349000/1745	100%	0.089	-0.09	24.19	25.50	1.352	0.121	22.1
Right tilted	40	QPSK 1_1	349000/1745	100%	0.035	-0.18	24.19	25.50	1.352	0.047	22.1
Head Test Data (50%RB) DSI 2											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.133	0.15	24.23	25.50	1.340	0.178	22.1
Left tilted	40	QPSK 108_54	349000/1745	100%	0.045	0.06	24.23	25.50	1.340	0.061	22.1
Right cheek	40	QPSK 108_54	349000/1745	100%	0.099	0.09	24.23	25.50	1.340	0.132	22.1
Right tilted	40	QPSK 108_54	349000/1745	100%	0.039	0.16	24.23	25.50	1.340	0.052	22.1
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	40	QPSK 1_1	349000/1745	100%	0.319	-0.04	20.14	21.50	1.368	0.436	22.1
Back side	40	QPSK 1_1	349000/1745	100%	0.495	0.08	20.14	21.50	1.368	0.677	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	40	QPSK 108_54	349000/1745	100%	0.371	0.09	20.23	21.50	1.340	0.497	22.1
Back side	40	QPSK 108_54	349000/1745	100%	0.519	0.05	20.23	21.50	1.340	<b>0.695</b>	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	40	QPSK 1_1	349000/1745	100%	0.215	0.03	18.63	20.00	1.371	0.295	22.1
Back side	40	QPSK 1_1	349000/1745	100%	0.266	0.04	18.63	20.00	1.371	0.365	22.1
Right side	40	QPSK 1_1	349000/1745	100%	0.060	0.06	18.63	20.00	1.371	0.083	22.1
Bottom side	40	QPSK 1_1	349000/1745	100%	0.360	0.04	18.63	20.00	1.371	0.494	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	40	QPSK 108_54	349000/1745	100%	0.226	0.07	18.63	20.00	1.371	0.310	22.1
Back side	40	QPSK 108_54	349000/1745	100%	0.285	0.04	18.63	20.00	1.371	0.391	22.1
Right side	40	QPSK 108_54	349000/1745	100%	0.074	0.02	18.63	20.00	1.371	0.101	22.1
Bottom side	40	QPSK 108_54	349000/1745	100%	0.392	0.02	18.63	20.00	1.371	<b>0.537</b>	22.1

Table 30: SAR of 5G NR n66 for Head and Body and Product specific 10g SAR.



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### 8.2.9 SAR Result of 5G NR n77

SA N77 SAR Test Record (3450-3550)											
Ant13 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) DSI 2											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.156	0.08	17.85	19.20	1.365	0.213	21.3
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.148	-0.05	17.85	19.20	1.365	0.202	21.3
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.336	0.17	17.85	19.20	1.365	0.458	21.3
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.358	-0.07	17.85	19.20	1.365	0.489	21.3
Head Test Data (50%RB) DSI 2											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.149	-0.05	17.78	19.20	1.387	0.207	21.3
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.138	0.02	17.78	19.20	1.387	0.191	21.3
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.344	-0.02	17.78	19.20	1.387	0.477	21.3
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.328	0.00	17.78	19.20	1.387	0.455	21.3
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.126	-0.14	21.40	22.70	1.349	0.170	21.3
Back side	100	QPSK 1_1	633334/3500	100.0%	0.246	-0.19	21.40	22.70	1.349	0.332	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.135	0.14	21.28	22.70	1.387	0.187	21.3
Back side	100	QPSK 135_69	633334/3500	100.0%	0.268	0.09	21.28	22.70	1.387	0.372	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.056	-0.16	15.88	17.20	1.355	0.076	21.3
Back side	100	QPSK 1_1	633334/3500	100.0%	0.152	-0.06	15.88	17.20	1.355	0.206	21.3
Left side	100	QPSK 1_1	633334/3500	100.0%	0.169	-0.07	15.88	17.20	1.355	0.229	21.3
Top side	100	QPSK 1_1	633334/3500	100.0%	0.092	-0.05	15.88	17.20	1.355	0.125	21.3
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.059	-0.09	15.74	17.20	1.400	0.083	21.3
Back side	100	QPSK 135_69	633334/3500	100.0%	0.148	-0.02	15.74	17.20	1.400	0.207	21.3
Left side	100	QPSK 135_69	633334/3500	100.0%	0.171	-0.04	15.74	17.20	1.400	0.239	21.3
Top side	100	QPSK 135_69	633334/3500	100.0%	0.092	0.03	15.74	17.20	1.400	0.129	21.3
Ant23 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) DSI 2											
Left cheek	100	QPSK 1_271	633334/3500	100.0%	0.249	0.05	16.98	18.50	1.419	0.353	21.3
Left tilted	100	QPSK 1_271	633334/3500	100.0%	0.156	-0.06	16.98	18.50	1.419	0.221	21.3
Right cheek	100	QPSK 1_271	633334/3500	100.0%	0.083	-0.02	16.98	18.50	1.419	0.118	21.3
Right tilted	100	QPSK 1_271	633334/3500	100.0%	0.074	0.08	16.98	18.50	1.419	0.105	21.3
Head Test Data (50%RB) DSI 2											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.290	-0.13	16.83	18.50	1.469	0.426	21.3
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.219	-0.07	16.83	18.50	1.469	0.322	21.3
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.188	0.03	16.83	18.50	1.469	0.276	21.3
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.087	0.06	16.83	18.50	1.469	0.128	21.3
Body worn Test data (Separate 15mm 1RB) DSI 4											
Front side	100	QPSK 1_271	633334/3500	100.0%	0.065	-0.04	19.63	21.00	1.371	0.089	21.3
Back side	100	QPSK 1_271	633334/3500	100.0%	0.104	0.04	19.63	21.00	1.371	0.143	21.3
Body worn Test data (Separate 15mm 50%RB) DSI 4											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.076	-0.05	19.39	21.00	1.449	0.110	21.3



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Back side	100	QPSK 135_69	633334/3500	100.0%	0.105	0.16	19.39	21.00	1.449	0.152	21.3
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	100	QPSK 1_271	633334/3500	100.0%	0.084	0.01	18.03	19.50	1.403	0.118	22
Back side	100	QPSK 1_271	633334/3500	100.0%	0.098	0.14	18.03	19.50	1.403	0.137	22
Right side	100	QPSK 1_271	633334/3500	100.0%	0.184	0.05	18.03	19.50	1.403	0.258	22
Top side	100	QPSK 1_271	633334/3500	100.0%	0.055	0.07	18.03	19.50	1.403	0.077	22
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.094	-0.07	17.84	19.50	1.466	0.138	21.3
Back side	100	QPSK 135_69	633334/3500	100.0%	0.157	-0.07	17.84	19.50	1.466	0.230	21.3
Right side	100	QPSK 135_69	633334/3500	100.0%	0.266	-0.02	17.84	19.50	1.466	0.390	21.3
Top side	100	QPSK 135_69	633334/3500	100.0%	0.074	-0.12	17.84	19.50	1.466	0.108	21.3
<b>Ant15 Test Record</b>											
<b>Test position</b>	<b>BW.</b>	<b>Modulation</b>	<b>Test ch./Freq.</b>	<b>Duty Cycle</b>	<b>SAR (W/kg) 1-g</b>	<b>Power drift (dB)</b>	<b>Conducted Power(dBm)</b>	<b>Tune up Limit(dBm)</b>	<b>Scaled factor</b>	<b>Scaled SAR 1-g (W/kg)</b>	<b>Liquid Temp.(°C)</b>
Head Test Data (1RB) DSI 2											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.158	0.04	16.90	18.60	1.479	0.234	22.2
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.173	0.02	16.90	18.60	1.479	0.256	22.2
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.269	-0.03	16.90	18.60	1.479	0.398	22.2
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.209	0.01	16.90	18.60	1.479	0.309	22.2
Head Test Data (50%RB) DSI 2											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.163	0.01	16.79	18.60	1.517	0.247	22.2
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.165	0.04	16.79	18.60	1.517	0.250	22.2
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.273	0.01	16.79	18.60	1.517	0.414	22.2
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.237	0.05	16.79	18.60	1.517	0.360	22.2
Body worn Test data (Separate 15mm 1RB) DSI 7											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.096	0.04	23.40	24.90	1.413	0.136	22.1
Back side	100	QPSK 1_1	633334/3500	100.0%	0.131	-0.01	23.40	24.90	1.413	0.185	22.1
Body worn Test data (Separate 15mm 50%RB) DSI 7											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.097	0.03	23.37	24.90	1.422	0.138	22.1
Back side	100	QPSK 135_69	633334/3500	100.0%	0.131	0.06	23.37	24.90	1.422	0.186	22.1
Hotspot Test data (Separate 10mm 1RB) DSI 6											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.060	0.02	18.90	20.60	1.479	0.089	22.1
Back side	100	QPSK 1_1	633334/3500	100.0%	0.090	0.00	18.90	20.60	1.479	0.133	22.1
Left side	100	QPSK 1_1	633334/3500	100.0%	0.012	0.00	18.90	20.60	1.479	0.018	22.1
Top side	100	QPSK 1_1	633334/3500	100.0%	0.104	0.03	18.90	20.60	1.479	0.154	22.1
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.071	0.01	18.87	20.60	1.489	0.106	22.2
Back side	100	QPSK 135_69	633334/3500	100.0%	0.089	0.02	18.87	20.60	1.489	0.133	22.2
Left side	100	QPSK 135_69	633334/3500	100.0%	0.015	0.08	18.87	20.60	1.489	0.022	22.2
Top side	100	QPSK 135_69	633334/3500	100.0%	0.071	-0.05	18.87	20.60	1.489	0.106	22.2
<b>Ant21 Test Record</b>											
<b>Test position</b>	<b>BW.</b>	<b>Test mode</b>	<b>Test ch./Freq.</b>	<b>Duty Cycle</b>	<b>SAR (W/kg) 1-g</b>	<b>Power drift (dB)</b>	<b>Conducted Power(dBm)</b>	<b>Tune up Limit(dBm)</b>	<b>Scaled factor</b>	<b>Scaled SAR 1-g (W/kg)</b>	<b>Liquid Temp.(°C)</b>
Head Test Data(1RB) DSI2											
Left cheek	100	QPSK 1_137	633334/3500	100.0%	0.241	-0.16	14.33	15.40	1.279	0.308	22.2
Left tilted	100	QPSK 1_137	633334/3500	100.0%	0.281	0.01	14.33	15.40	1.279	0.360	22.2
Right cheek	100	QPSK 1_137	633334/3500	100.0%	0.168	0.06	14.33	15.40	1.279	0.215	22.2
Right tilted	100	QPSK 1_137	633334/3500	100.0%	0.241	0.01	14.33	15.40	1.279	0.308	22.2
Head Test Data(50%RB) DSI2											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.243	0.05	14.34	15.40	1.276	0.310	22.2



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Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.286	0.01	14.34	15.40	1.276	0.365	22.2
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.189	0.02	14.34	15.40	1.276	0.241	22.2
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.237	0.01	14.34	15.40	1.276	0.303	22.2
Body worn Test data(Separate 15mm 1RB) DSI7											
Front side	100	QPSK 1_271	633334/3500	100.0%	0.032	0.01	16.99	17.90	1.233	0.039	22.2
Back side	100	QPSK 1_271	633334/3500	100.0%	0.034	0.05	16.99	17.90	1.233	0.042	22.2
Body worn Test data(Separate 15mm 50%RB) DSI7											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.030	0.01	16.89	17.90	1.262	0.038	22.2
Back side	100	QPSK 135_69	633334/3500	100.0%	0.034	0.02	16.89	17.90	1.262	0.043	22.2
Hotspot Test data(Separate 10mm 1RB) DSI6											
Front side	100	QPSK 1_271	633334/3500	100.0%	0.045	0.02	14.91	15.90	1.256	0.057	22.2
Back side	100	QPSK 1_271	633334/3500	100.0%	0.051	0.06	14.91	15.90	1.256	0.064	22.2
Right side	100	QPSK 1_271	633334/3500	100.0%	0.046	0.09	14.91	15.90	1.256	0.058	22.2
Top side	100	QPSK 1_271	633334/3500	100.0%	0.120	-0.01	14.91	15.90	1.256	0.151	22.2
Hotspot Test data(Separate 10mm 50%RB) DSI6											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.042	0.01	14.86	15.90	1.271	0.053	22.2
Back side	100	QPSK 135_69	633334/3500	100.0%	0.049	0.05	14.86	15.90	1.271	0.062	22.2
Right side	100	QPSK 135_69	633334/3500	100.0%	0.039	0.04	14.86	15.90	1.271	0.050	22.2
Top side	100	QPSK 135_69	633334/3500	100.0%	0.109	0.08	14.86	15.90	1.271	0.138	22.2

SA N77 SAR Test Record (3700-3980)											
Ant13 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) DSI2											
Left cheek	100	QPSK 1_137	654800/3822	100.0%	0.137	-0.04	18.20	19.20	1.259	0.172	22.2
Left tilted	100	QPSK 1_137	654800/3822	100.0%	0.110	0.05	18.20	19.20	1.259	0.138	22.2
Right cheek	100	QPSK 1_137	654800/3822	100.0%	0.493	-0.09	18.20	19.20	1.259	0.621	22.2
Right tilted	100	QPSK 1_137	654800/3822	100.0%	0.314	0.03	18.20	19.20	1.259	0.395	22.2
Right cheek	100	QPSK 1_137	650000/3750	100.0%	0.577	0.08	17.93	19.20	1.340	0.773	22.2
Right cheek	100	QPSK 1_137	652400/3786	100.0%	0.596	0.11	17.95	19.20	1.334	0.795	22.2
Right cheek	100	QPSK 1_137	657200/3858	100.0%	0.305	0.03	17.91	19.20	1.346	0.410	22.2
Right cheek	100	QPSK 1_1	659600/3894	100.0%	0.280	0.05	17.80	19.20	1.380	0.387	22.2
Right cheek	100	QPSK 1_137	662000/3930	100.0%	0.276	0.10	17.87	19.20	1.358	0.375	22.2
Head Test Data (50%RB) DSI2											
Left cheek	100	QPSK 135_69	657200/3858	100.0%	0.132	0.01	17.94	19.20	1.337	0.176	22.2
Left tilted	100	QPSK 135_69	657200/3858	100.0%	0.108	0.03	17.94	19.20	1.337	0.144	22.2
Right cheek	100	QPSK 135_69	657200/3858	100.0%	0.484	0.04	17.94	19.20	1.337	0.647	22.2
Right tilted	100	QPSK 135_69	657200/3858	100.0%	0.323	0.02	17.94	19.20	1.337	0.432	22.2
Right cheek	100	QPSK 135_69	650000/3750	100.0%	0.541	0.17	17.74	19.20	1.400	0.757	22.2
Right cheek	100	QPSK 135_69	652400/3786	100.0%	0.584	-0.02	17.86	19.20	1.361	0.795	22.2
Right cheek	100	QPSK 135_69	654800/3822	100.0%	0.506	0.03	17.90	19.20	1.349	0.683	22.2
Right cheek	100	QPSK 135_69	659600/3894	100.0%	0.417	0.04	17.73	19.20	1.403	0.585	22.2
Right cheek	100	QPSK 135_69	662000/3930	100.0%	0.311	-0.14	17.65	19.20	1.429	0.444	22.2
Right tilted	100	QPSK 135_69	650000/3750	100.0%	0.293	-0.02	17.74	19.20	1.400	0.410	22.2
Right tilted	100	QPSK 135_69	652400/3786	100.0%	0.299	-0.01	17.86	19.20	1.361	0.407	22.2
Right tilted	100	QPSK 135_69	654800/3822	100.0%	0.281	0.07	17.90	19.20	1.349	0.379	22.2
Right tilted	100	QPSK 135_69	659600/3894	100.0%	0.310	-0.15	17.73	19.20	1.403	0.435	22.2
Right tilted	100	QPSK 135_69	662000/3930	100.0%	0.331	0.07	17.65	19.20	1.429	0.473	22.2



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Body worn Test data (Separate 15mm 1RB) DSI7											
Front side	100	QPSK 1_137	654800/3822	100.0%	0.174	0.02	21.59	22.70	1.291	0.225	22.3
Back side	100	QPSK 1_137	654800/3822	100.0%	0.531	0.02	21.59	22.70	1.291	0.686	22.3
Back side	100	QPSK 1_137	650000/3750	100.0%	0.556	0.03	21.43	22.70	1.340	0.745	21.8
Back side	100	QPSK 1_271	652400/3786	100.0%	0.524	0.05	21.49	22.70	1.321	0.692	21.8
Back side	100	QPSK 1_137	657200/3858	100.0%	0.574	0.02	21.42	22.70	1.343	<b>0.771</b>	21.8
Back side	100	QPSK 1_1	659600/3894	100.0%	0.507	0.01	21.34	22.70	1.368	0.693	21.8
Back side	100	QPSK 1_137	662000/3930	100.0%	0.413	0.08	21.45	22.70	1.334	0.551	21.8
Body worn Test data (Separate 15mm 50%RB) DSI7											
Front side	100	QPSK 135_69	654800/3822	100.0%	0.169	0.05	21.50	22.70	1.318	0.223	22.3
Back side	100	QPSK 135_69	654800/3822	100.0%	0.517	-0.07	21.50	22.70	1.318	0.682	22.3
Back side	100	QPSK 135_69	650000/3750	100.0%	0.521	0.04	21.33	22.70	1.371	0.714	21.8
Back side	100	QPSK 135_69	652400/3786	100.0%	0.526	0.02	21.43	22.70	1.340	0.705	21.8
Back side	100	QPSK 135_69	657200/3858	100.0%	0.478	-0.06	21.44	22.70	1.337	0.639	21.8
Back side	100	QPSK 135_69	659600/3894	100.0%	0.436	0.09	21.32	22.70	1.374	0.599	21.8
Back side	100	QPSK 135_69	662000/3930	100.0%	0.416	0.02	21.23	22.70	1.403	0.584	21.8
Hotspot Test data (Separate 10mm 1RB) DSI6											
Front side	100	QPSK 1_137	654800/3822	100.0%	0.097	0.04	16.07	17.20	1.297	0.126	22.3
Back side	100	QPSK 1_137	654800/3822	100.0%	0.275	0.05	16.07	17.20	1.297	0.357	22.3
Left side	100	QPSK 1_137	654800/3822	100.0%	0.431	-0.07	16.07	17.20	1.297	0.559	21.8
Top side	100	QPSK 1_137	654800/3822	100.0%	0.059	0.04	16.07	17.20	1.297	0.077	21.8
Left side	100	QPSK 1_1	650000/3750	100.0%	0.409	0.03	15.85	17.20	1.365	0.558	21.8
Left side	100	QPSK 1_271	652400/3786	100.0%	0.440	-0.06	15.95	17.20	1.334	0.587	21.8
Left side	100	QPSK 1_137	657200/3858	100.0%	0.421	-0.08	15.82	17.20	1.374	0.578	21.8
Left side	100	QPSK 1_1	659600/3894	100.0%	0.442	0.03	15.83	17.20	1.371	0.606	21.8
Left side	100	QPSK 1_137	662000/3930	100.0%	0.365	0.06	15.94	17.20	1.337	0.488	21.8
Hotspot Test data (Separate 10mm 50%RB) DSI6											
Front side	100	QPSK 135_69	654800/3822	100.0%	0.097	0.01	15.95	17.20	1.334	0.129	22.3
Back side	100	QPSK 135_69	654800/3822	100.0%	0.266	0.01	15.95	17.20	1.334	0.355	22.3
Left side	100	QPSK 135_69	654800/3822	100.0%	0.386	0.04	15.95	17.20	1.334	0.515	22.3
Top side	100	QPSK 135_69	654800/3822	100.0%	0.060	0.04	15.95	17.20	1.334	0.080	22.3
Left side	100	QPSK 135_69	650000/3750	100.0%	0.463	0.05	15.81	17.20	1.377	0.638	21.8
Left side	100	QPSK 135_69	652400/3786	100.0%	0.483	-0.08	15.83	17.20	1.371	<b>0.662</b>	21.8
Left side	100	QPSK 135_69	657200/3858	100.0%	0.411	-0.04	15.90	17.20	1.349	0.554	21.8
Left side	100	QPSK 135_69	659600/3894	100.0%	0.376	0.08	15.74	17.20	1.400	0.526	21.8
Left side	100	QPSK 135_69	662000/3930	100.0%	0.361	0.08	15.75	17.20	1.396	0.504	21.8
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) Sensor on DSI 4											
Back side	100	QPSK 1_137	654800/3822	100.0%	1.030	0.02	17.60	18.70	1.288	1.327	21.8
Left side	100	QPSK 1_137	654800/3822	100.0%	1.760	-0.14	17.60	18.70	1.288	2.267	21.8
Back side	100	QPSK 1_137	650000/3750	100.0%	1.030	0.04	17.38	18.70	1.355	1.396	21.8
Back side	100	QPSK 1_271	652400/3786	100.0%	1.050	0.02	17.56	18.70	1.300	1.365	21.8
Back side	100	QPSK 1_137	657200/3858	100.0%	0.976	0.03	17.36	18.70	1.361	1.329	21.8
Back side	100	QPSK 1_271	659600/3894	100.0%	0.878	0.13	17.40	18.70	1.349	1.184	21.8
Back side	100	QPSK 1_137	662000/3930	100.0%	1.060	0.06	17.44	18.70	1.337	1.417	21.8
Left side	100	QPSK 1_137	650000/3750	100.0%	1.690	0.01	17.38	18.70	1.355	2.290	21.8
Left side	100	QPSK 1_271	652400/3786	100.0%	1.720	0.07	17.56	18.70	1.300	2.236	21.8
Left side	100	QPSK 1_137	657200/3858	100.0%	1.600	-0.05	17.36	18.70	1.361	2.178	21.8
Left side	100	QPSK 1_271	659600/3894	100.0%	1.440	-0.15	17.40	18.70	1.349	1.943	21.8
Left side	100	QPSK 1_137	662000/3930	100.0%	1.460	-0.01	17.44	18.70	1.337	1.951	21.8



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Product specific 10g SAR Test data (Separate 0mm 50RB) Sensor on DSI 4											
Back side	100	QPSK 135_69	654800/3822	100.0%	1.080	-0.01	17.42	18.70	1.343	1.450	21.8
Left side	100	QPSK 135_69	654800/3822	100.0%	1.660	-0.09	17.42	18.70	1.343	2.229	21.8
Back side	100	QPSK 135_69	650000/3750	100.0%	1.090	-0.08	17.38	18.70	1.355	1.477	21.8
Back side	100	QPSK 135_69	652400/3786	100.0%	1.160	0.03	17.40	18.70	1.349	1.565	21.8
Back side	100	QPSK 135_69	657200/3858	100.0%	1.020	0.03	17.42	18.70	1.343	1.370	21.8
Back side	100	QPSK 135_69	659600/3894	100.0%	0.946	0.02	17.31	18.70	1.377	1.303	21.8
Back side	100	QPSK 135_69	662000/3930	100.0%	1.040	0.05	17.22	18.70	1.406	1.462	21.8
Left side	100	QPSK 135_69	650000/3750	100.0%	1.640	-0.13	17.38	18.70	1.355	2.223	21.8
Left side	100	QPSK 135_69	652400/3786	100.0%	1.830	-0.17	17.40	18.70	1.349	<b>2.469</b>	21.8
Left side	100	QPSK 135_69	657200/3858	100.0%	1.720	-0.04	17.42	18.70	1.343	2.310	21.8
Left side	100	QPSK 135_69	659600/3894	100.0%	1.610	-0.06	17.31	18.70	1.377	2.217	21.8
Left side	100	QPSK 135_69	662000/3930	100.0%	1.460	-0.02	17.22	18.70	1.406	2.053	21.8
Product specific 10g SAR Test data (Separate 0mm 100RB) Sensor on DSI 4											
Left side	100	QPSK 270_0	654800/3822	100.0%	1.170	-0.09	16.49	17.70	1.321	1.546	21.8
Product specific 10g SAR Test data (1RB) Sensor off DSI 7											
Back side 11mm	100	QPSK 1_137	654800/3822	100.0%	0.371	0.02	21.59	22.70	1.291	0.479	21.8
Left side 12mm	100	QPSK 1_137	654800/3822	100.0%	0.453	0.01	21.59	22.70	1.291	0.585	21.8
Product specific 10g SAR Test data (50RB) Sensor off DSI 7											
Back side 11mm	100	QPSK 135_69	654800/3822	100.0%	0.335	0.01	21.50	22.70	1.318	0.442	21.8
Left side 12mm	100	QPSK 135_69	654800/3822	100.0%	0.459	0.01	21.50	22.70	1.318	0.605	21.8
Ant23 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) DSI2											
Left cheek	100	QPSK 1_271	652400/3786	100.0%	0.247	0.18	16.85	17.30	1.109	0.274	21.8
Left tilted	100	QPSK 1_271	652400/3786	100.0%	0.179	0.03	16.85	17.30	1.109	0.199	21.8
Right cheek	100	QPSK 1_271	652400/3786	100.0%	0.100	0.03	16.85	17.30	1.109	0.111	21.8
Right tilted	100	QPSK 1_271	652400/3786	100.0%	0.078	0.01	16.85	17.30	1.109	0.087	21.8
Head Test Data (50%RB) DSI2											
Left cheek	100	QPSK 135_69	654800/3822	100.0%	0.229	0.01	16.81	17.30	1.119	0.256	21.8
Left tilted	100	QPSK 135_69	654800/3822	100.0%	0.134	0.02	16.81	17.30	1.119	0.150	21.8
Right cheek	100	QPSK 135_69	654800/3822	100.0%	0.082	0.04	16.81	17.30	1.119	0.092	21.8
Right tilted	100	QPSK 135_69	654800/3822	100.0%	0.068	0.01	16.81	17.30	1.119	0.076	21.8
Body worn Test data (Separate 15mm 1RB) DSI7											
Front side	100	QPSK 1_271	652400/3786	100.0%	0.072	-0.07	19.43	19.80	1.089	0.078	21.8
Back side	100	QPSK 1_271	652400/3786	100.0%	0.097	-0.08	19.43	19.80	1.089	0.106	21.8
Body worn Test data (Separate 15mm 50RB) DSI7											
Front side	100	QPSK 135_69	654800/3822	100.0%	0.063	0.04	19.37	19.80	1.104	0.070	21.8
Back side	100	QPSK 135_69	654800/3822	100.0%	0.088	0.01	19.37	19.80	1.104	0.097	21.8
Hotspot Test data (Separate 10mm 1RB) DSI6											
Front side	100	QPSK 1_271	652400/3786	100.0%	0.088	0.01	17.87	18.30	1.104	0.097	21.8
Back side	100	QPSK 1_271	652400/3786	100.0%	0.141	0.03	17.87	18.30	1.104	0.156	21.8
Right side	100	QPSK 1_271	652400/3786	100.0%	0.144	0.07	17.87	18.30	1.104	0.159	21.8
Top side	100	QPSK 1_271	652400/3786	100.0%	0.012	0.01	17.87	18.30	1.104	0.013	21.8
Hotspot Test data (Separate 10mm 50%RB) DSI6											
Front side	100	QPSK 135_69	654800/3822	100.0%	0.077	0.04	17.85	18.30	1.109	0.085	21.8
Back side	100	QPSK 135_69	654800/3822	100.0%	0.128	0.08	17.85	18.30	1.109	0.142	21.8
Right side	100	QPSK 135_69	654800/3822	100.0%	0.141	-0.06	17.85	18.30	1.109	0.156	21.8
Top side	100	QPSK 135_69	654800/3822	100.0%	0.013	0.02	17.85	18.30	1.109	0.014	21.8
Ant15 Test Record											



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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) DS12											
Left cheek	100	QPSK 1_137	657200/3858	100.0%	0.278	0.01	17.03	18.60	1.435	0.399	21.8
Left tilted	100	QPSK 1_137	657200/3858	100.0%	0.257	0.05	17.03	18.60	1.435	0.369	21.8
Right cheek	100	QPSK 1_137	657200/3858	100.0%	0.439	0.01	17.03	18.60	1.435	0.630	21.8
Right tilted	100	QPSK 1_137	657200/3858	100.0%	0.485	0.08	17.03	18.60	1.435	0.696	21.8
Right cheek	100	QPSK 1_137	650000/3750	100.0%	0.460	-0.02	16.92	18.60	1.472	0.677	21.8
Right cheek	100	QPSK 1_271	652400/3786	100.0%	0.519	0.03	16.90	18.60	1.479	0.768	21.8
Right cheek	100	QPSK 1_137	654800/3822	100.0%	0.441	0.11	16.99	18.60	1.449	0.639	21.8
Right cheek	100	QPSK 1_271	659600/3894	100.0%	0.478	-0.02	17.00	18.60	1.445	0.691	21.8
Right cheek	100	QPSK 1_271	662000/3930	100.0%	0.506	-0.17	16.94	18.60	1.466	0.742	21.8
Right tilted	100	QPSK 1_137	650000/3750	100.0%	0.493	-0.06	16.92	18.60	1.472	0.726	21.8
Right tilted	100	QPSK 1_271	652400/3786	100.0%	0.471	0.02	16.90	18.60	1.479	0.697	21.8
Right tilted	100	QPSK 1_137	654800/3822	100.0%	0.447	0.01	16.99	18.60	1.449	0.648	21.8
Right tilted	100	QPSK 1_271	659600/3894	100.0%	0.529	-0.03	17.00	18.60	1.445	0.765	21.8
Right tilted	100	QPSK 1_271	662000/3930	100.0%	0.565	-0.04	16.94	18.60	1.466	<b>0.828</b>	21.8
Head Test Data (50%RB) DS12											
Left cheek	100	QPSK 135_69	654800/3822	100.0%	0.252	0.07	17.08	18.60	1.419	0.358	21.8
Left tilted	100	QPSK 135_69	654800/3822	100.0%	0.238	0.01	17.08	18.60	1.419	0.338	21.8
Right cheek	100	QPSK 135_69	654800/3822	100.0%	0.515	-0.11	17.08	18.60	1.419	0.731	21.8
Right tilted	100	QPSK 135_69	654800/3822	100.0%	0.453	0.01	17.08	18.60	1.419	0.643	21.8
Right cheek	100	QPSK 135_69	650000/3750	100.0%	0.444	0.02	16.92	18.60	1.472	0.654	21.8
Right cheek	100	QPSK 135_69	652400/3786	100.0%	0.504	0.06	16.96	18.60	1.459	0.735	22.2
Right cheek	100	QPSK 135_69	657200/3858	100.0%	0.465	0.03	16.92	18.60	1.472	0.685	22.2
Right cheek	100	QPSK 135_69	659600/3894	100.0%	0.490	-0.01	16.93	18.60	1.469	0.720	22.2
Right cheek	100	QPSK 135_69	662000/3930	100.0%	0.518	0.11	16.90	18.60	1.479	0.766	22.2
Right tilted	100	QPSK 135_69	650000/3750	100.0%	0.490	0.05	16.92	18.60	1.472	0.721	21.8
Right tilted	100	QPSK 135_69	652400/3786	100.0%	0.484	0.01	16.96	18.60	1.459	0.706	21.8
Right tilted	100	QPSK 135_69	657200/3858	100.0%	0.463	0.08	16.92	18.60	1.472	0.682	21.8
Right tilted	100	QPSK 135_69	659600/3894	100.0%	0.485	0.02	16.93	18.60	1.469	0.712	21.8
Right tilted	100	QPSK 135_69	662000/3930	100.0%	0.533	0.02	16.90	18.60	1.479	0.788	21.8
Head Test Data (100%RB) DS12											
Right tilted	100	QPSK 270_0	654800/3822	100.0%	0.366	-0.02	16.01	17.60	1.442	0.528	22.2
Head Test Data (1RB) DS13											
Left cheek	100	QPSK 1_137	657200/3858	100.0%	0.278	0.01	17.03	17.60	1.140	0.317	21.8
Left tilted	100	QPSK 1_137	657200/3858	100.0%	0.257	0.05	17.03	17.60	1.140	0.293	21.8
Right cheek	100	QPSK 1_137	657200/3858	100.0%	0.439	0.01	17.03	17.60	1.140	0.501	21.8
Right tilted	100	QPSK 1_137	657200/3858	100.0%	0.485	0.08	17.03	17.60	1.140	0.553	21.8
Right cheek	100	QPSK 1_137	650000/3750	100.0%	0.460	-0.02	16.92	17.60	1.169	0.538	21.8
Right cheek	100	QPSK 1_271	652400/3786	100.0%	0.519	0.03	16.90	17.60	1.175	0.610	21.8
Right cheek	100	QPSK 1_137	654800/3822	100.0%	0.441	0.11	16.99	17.60	1.151	0.508	21.8
Right cheek	100	QPSK 1_271	659600/3894	100.0%	0.478	-0.02	17.00	17.60	1.148	0.549	21.8
Right cheek	100	QPSK 1_271	662000/3930	100.0%	0.506	-0.17	16.94	17.60	1.164	0.589	21.8
Right tilted	100	QPSK 1_137	650000/3750	100.0%	0.493	-0.06	16.92	17.60	1.169	0.577	21.8
Right tilted	100	QPSK 1_271	652400/3786	100.0%	0.471	0.02	16.90	17.60	1.175	0.553	21.8
Right tilted	100	QPSK 1_137	654800/3822	100.0%	0.447	0.01	16.99	17.60	1.151	0.514	21.8
Right tilted	100	QPSK 1_271	659600/3894	100.0%	0.529	-0.03	17.00	17.60	1.148	0.607	21.8
Right tilted	100	QPSK 1_271	662000/3930	100.0%	0.565	-0.04	16.94	17.60	1.164	0.658	21.8
Head Test Data (50%RB) DS13											
Left cheek	100	QPSK 135_69	654800/3822	100.0%	0.252	0.07	17.08	17.60	1.127	0.284	21.8



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Left tilted	100	QPSK 135_69	654800/3822	100.0%	0.238	0.01	17.08	17.60	1.127	0.268	21.8
Right cheek	100	QPSK 135_69	654800/3822	100.0%	0.515	-0.11	17.08	17.60	1.127	0.581	21.8
Right tilted	100	QPSK 135_69	654800/3822	100.0%	0.453	0.01	17.08	17.60	1.127	0.511	21.8
Right cheek	100	QPSK 135_69	650000/3750	100.0%	0.444	0.02	16.92	17.60	1.169	0.519	21.8
Right cheek	100	QPSK 135_69	652400/3786	100.0%	0.504	0.06	16.96	17.60	1.159	0.584	22.2
Right cheek	100	QPSK 135_69	657200/3858	100.0%	0.465	0.03	16.92	17.60	1.169	0.544	22.2
Right cheek	100	QPSK 135_69	659600/3894	100.0%	0.490	-0.01	16.93	17.60	1.167	0.572	22.2
Right cheek	100	QPSK 135_69	662000/3930	100.0%	0.518	0.11	16.90	17.60	1.175	0.609	22.2
Right tilted	100	QPSK 135_69	650000/3750	100.0%	0.490	0.05	16.92	17.60	1.169	0.573	21.8
Right tilted	100	QPSK 135_69	652400/3786	100.0%	0.484	0.01	16.96	17.60	1.159	0.561	21.8
Right tilted	100	QPSK 135_69	657200/3858	100.0%	0.463	0.08	16.92	17.60	1.169	0.541	21.8
Right tilted	100	QPSK 135_69	659600/3894	100.0%	0.485	0.02	16.93	17.60	1.167	0.566	21.8
Right tilted	100	QPSK 135_69	662000/3930	100.0%	0.533	0.02	16.90	17.60	1.175	0.626	21.8
Head Test Data (100%RB) DSI3											
Right tilted	100	QPSK 270_0	654800/3822	100.0%	0.366	-0.02	16.01	16.60	1.146	0.419	22.2
Body worn Test data (Separate 15mm 1RB) DSI7											
Front side	100	QPSK 1_137	657200/3858	100.0%	0.237	0.05	23.58	24.90	1.355	0.321	21.8
Back side	100	QPSK 1_137	657200/3858	100.0%	0.228	0.01	23.58	24.90	1.355	0.309	21.8
Body worn Test data (Separate 15mm 50%RB) DSI7											
Front side	100	QPSK 135_69	654800/3822	100.0%	0.203	0.05	23.58	24.90	1.355	0.275	21.8
Back side	100	QPSK 135_69	654800/3822	100.0%	0.213	0.02	23.58	24.90	1.355	0.289	21.8
Hotspot Test data (Separate 10mm 1RB) DSI6											
Front side	100	QPSK 1_137	654800/3822	100.0%	0.146	0.01	19.01	20.60	1.442	0.211	21.8
Back side	100	QPSK 1_137	654800/3822	100.0%	0.155	0.02	19.01	20.60	1.442	0.224	21.8
Left side	100	QPSK 1_137	654800/3822	100.0%	0.088	0.01	19.01	20.60	1.442	0.127	21.8
Top side	100	QPSK 1_137	654800/3822	100.0%	0.076	-0.02	19.01	20.60	1.442	0.110	21.8
Hotspot Test data (Separate 10mm 50%RB) DSI 6											
Front side	100	QPSK 135_69	652400/3786	100.0%	0.145	0.02	19.05	20.60	1.429	0.207	21.8
Back side	100	QPSK 135_69	652400/3786	100.0%	0.161	0.05	19.05	20.60	1.429	0.230	21.8
Left side	100	QPSK 135_69	652400/3786	100.0%	0.088	0.02	19.05	20.60	1.429	0.126	21.8
Top side	100	QPSK 135_69	652400/3786	100.0%	0.081	0.08	19.05	20.60	1.429	0.116	21.8
Ant21 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) DSI2											
Left cheek	100	QPSK 1_137	659600/3894	100.0%	0.286	0.10	14.11	15.40	1.346	0.385	22.2
Left tilted	100	QPSK 1_137	659600/3894	100.0%	0.339	0.00	14.11	15.40	1.346	0.456	22.2
Right cheek	100	QPSK 1_137	659600/3894	100.0%	0.219	0.01	14.11	15.40	1.346	0.295	22.2
Right tilted	100	QPSK 1_137	659600/3894	100.0%	0.270	0.06	14.11	15.40	1.346	0.363	22.2
Left tilted	100	QPSK 1_1	650000/3750	100.0%	0.275	0.11	14.03	15.40	1.371	0.377	22.2
Left tilted	100	QPSK 1_137	652400/3786	100.0%	0.274	-0.07	14.08	15.40	1.355	0.371	22.2
Left tilted	100	QPSK 1_137	654800/3822	100.0%	0.272	-0.03	14.06	15.40	1.361	0.370	22.2
Left tilted	100	QPSK 1_137	657200/3858	100.0%	0.281	-0.19	14.09	15.40	1.352	0.380	22.2
Left tilted	100	QPSK 1_137	662000/3930	100.0%	0.295	-0.04	13.90	15.40	1.413	0.417	22.2
Head Test Data(50%RB) DSI2											
Left cheek	100	QPSK 135_69	652400/3786	100.0%	0.245	0.01	14.12	15.40	1.343	0.329	22.2
Left tilted	100	QPSK 135_69	652400/3786	100.0%	0.268	0.02	14.12	15.40	1.343	0.360	22.2
Right cheek	100	QPSK 135_69	652400/3786	100.0%	0.189	0.05	14.12	15.40	1.343	0.254	22.2
Right tilted	100	QPSK 135_69	652400/3786	100.0%	0.249	0.01	14.12	15.40	1.343	0.334	22.2
Body worn Test data(Separate 15mm 1RB) DSI7											
Front side	100	QPSK 1_137	652400/3786	100.0%	0.035	0.08	16.70	17.90	1.318	0.046	22.2



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Back side	100	QPSK 1_137	652400/3786	100.0%	0.039	0.02	16.70	17.90	1.318	0.051	22.2
Body worn Test data(Separate 15mm 50%RB) DSI7											
Front side	100	QPSK 135_69	654800/3822	100.0%	0.038	0.01	16.71	17.90	1.315	0.050	22.2
Back side	100	QPSK 135_69	654800/3822	100.0%	0.036	0.01	16.71	17.90	1.315	0.047	22.2
Hotspot Test data(Separate 10mm 1RB) DSI6											
Front side	100	QPSK 1_137	652400/3786	100.0%	0.051	0.02	14.63	15.90	1.340	0.068	22.2
Back side	100	QPSK 1_137	652400/3786	100.0%	0.040	0.07	14.63	15.90	1.340	0.054	22.2
Right side	100	QPSK 1_137	652400/3786	100.0%	0.051	0.01	14.63	15.90	1.340	0.068	22.2
Top side	100	QPSK 1_137	652400/3786	100.0%	0.120	0.05	14.63	15.90	1.340	0.161	22.2
Hotspot Test data(Separate 10mm 50%RB) DSI6											
Front side	100	QPSK 135_69	652400/3786	100.0%	0.040	0.01	14.63	15.90	1.340	0.054	22.2
Back side	100	QPSK 135_69	652400/3786	100.0%	0.044	0.02	14.63	15.90	1.340	0.059	22.2
Right side	100	QPSK 135_69	652400/3786	100.0%	0.050	0.05	14.63	15.90	1.340	0.067	22.2
Top side	100	QPSK 135_69	652400/3786	100.0%	0.111	0.02	14.63	15.90	1.340	0.149	22.2

Table 31: SAR of 5G NR n77 for Head and Body and Product specific 10g SAR.



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### 8.2.10 SAR Result of 5G NR n78

SA N78 SAR Test Record (3450-3550)											
Ant15 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)
Body worn Test data (Separate 15mm 1RB) DSI											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.109	-0.02	23.85	25.60	1.496	0.163	22
Back side	100	QPSK 1_1	633334/3500	100.0%	0.148	0.02	23.85	25.60	1.496	<b>0.221</b>	22
Body worn Test data (Separate 15mm 50%RB) DSI											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.110	-0.05	23.91	25.60	1.476	0.162	22
Back side	100	QPSK 135_69	633334/3500	100.0%	0.146	0.07	23.91	25.60	1.476	0.215	22

SA N78 SAR Test Record (3700-3800)											
Ant15 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)
Body worn Test data (Separate 15mm 1RB) DSI											
Front side	100	QPSK 1_137	650000/3750	100.0%	0.191	-0.03	23.79	25.60	1.517	0.290	22
Back side	100	QPSK 1_137	650000/3750	100.0%	0.266	0.09	23.79	25.60	1.517	<b>0.404</b>	22
Body worn Test data (Separate 15mm 50%RB) DSI											
Front side	100	QPSK 135_69	650000/3750	100.0%	0.191	0.01	23.86	25.60	1.493	0.285	22
Back side	100	QPSK 135_69	650000/3750	100.0%	0.258	-0.06	23.86	25.60	1.493	0.385	22

Table 32: SAR of 5G NR n78 for Head and Body.



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### 8.2.11 SAR Result of WIFI 2.4G

Ant22 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 DS11											
Left cheek	802.11b	1/2412	99.92%	1.001	0.518	-0.08	13.82	15.50	1.472	<b>0.763</b>	22.2
Left tilted	802.11b	1/2412	99.92%	1.001	0.387	-0.10	13.82	15.50	1.472	0.570	22.2
Right cheek	802.11b	1/2412	99.92%	1.001	0.188	0.01	13.82	15.50	1.472	0.277	22.2
Right tilted	802.11b	1/2412	99.92%	1.001	0.219	0.02	13.82	15.50	1.472	0.323	22.2
Head Test Data DS12											
Left cheek	802.11b	1/2412	99.92%	1.001	0.518	-0.08	13.82	14.00	1.042	0.540	22.2
Left tilted	802.11b	1/2412	99.92%	1.001	0.387	-0.10	13.82	14.00	1.042	0.404	22.2
Right cheek	802.11b	1/2412	99.92%	1.001	0.188	0.01	13.82	14.00	1.042	0.196	22.2
Right tilted	802.11b	1/2412	99.92%	1.001	0.219	0.02	13.82	14.00	1.042	0.228	22.2
Body worn Test data (Separate 15mm) DS13											
Front side	802.11b	6/2437	99.92%	1.001	0.065	0.01	17.83	19.50	1.469	0.096	22.1
Back side	802.11b	6/2437	99.92%	1.001	0.076	-0.14	17.83	19.50	1.469	0.112	22.2
Hotspot Test data (Separate 10mm) DS14											
Front side	802.11b	6/2437	99.92%	1.001	0.087	0.01	17.35	19.00	1.462	0.127	22.2
Back side	802.11b	6/2437	99.92%	1.001	0.149	0.06	17.35	19.00	1.462	0.218	22.2
Right side	802.11b	6/2437	99.92%	1.001	0.059	-0.05	17.35	19.00	1.462	0.086	22.2
Top side	802.11b	6/2437	99.92%	1.001	0.155	-0.05	17.35	19.00	1.462	0.227	22.2
Ant25 Test Record chain1											
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 DS11											
Left cheek	802.11b	6/2437	99.92%	1.001	0.180	-0.01	14.15	15.50	1.365	0.246	22.2
Left tilted	802.11b	6/2437	99.92%	1.001	0.036	0.02	14.15	15.50	1.365	0.049	22.2
Right cheek	802.11b	6/2437	99.92%	1.001	0.179	-0.08	14.15	15.50	1.365	0.244	22.2
Right tilted	802.11b	6/2437	99.92%	1.001	0.023	0.01	14.15	15.50	1.365	0.031	22.2
Head Test Data DS12											
Left cheek	802.11b	6/2437	99.92%	1.001	0.180	-0.01	14.15	14.00	0.966	0.174	22.2
Left tilted	802.11b	6/2437	99.92%	1.001	0.036	0.02	14.15	14.00	0.966	0.035	22.2
Right cheek	802.11b	6/2437	99.92%	1.001	0.179	-0.08	14.15	14.00	0.966	0.173	22.2
Right tilted	802.11b	6/2437	99.92%	1.001	0.023	0.01	14.15	14.00	0.966	0.022	22.2
Body worn Test data (Separate 15mm) DS13											
Front side	802.11b	6/2437	99.92%	1.001	0.081	-0.01	18.13	19.50	1.371	0.111	22.1
Back side	802.11b	6/2437	99.92%	1.001	0.119	0.01	18.13	19.50	1.371	0.163	22.2
Hotspot Test data (Separate 10mm) DS14											
Front side	802.11b	6/2437	99.92%	1.001	0.146	0.02	17.68	19.00	1.355	0.198	22.1
Back side	802.11b	6/2437	99.92%	1.001	0.182	0.01	17.68	19.00	1.355	0.247	22.2
Right side	802.11b	6/2437	99.92%	1.001	0.221	-0.05	17.68	19.00	1.355	0.300	22.2
MIMO Test Record											
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 DS11											
Left cheek	802.11b	6/2437	99.92%	1.001	0.266	-0.12	16.94	18.50	1.432	0.381	22.2
Left tilted	802.11b	6/2437	99.92%	1.001	0.288	0.01	16.94	18.50	1.432	0.413	22.2
Right cheek	802.11b	6/2437	99.92%	1.001	0.198	0.01	16.94	18.50	1.432	0.284	22.2



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Right tilted	802.11b	6/2437	99.92%	1.001	0.229	0.08	16.94	18.50	1.432	0.328	22.2
Head Test Data DSI2											
Left cheek	802.11b	6/2437	99.92%	1.001	0.266	-0.12	16.94	17.00	1.014	0.270	22.2
Left tilted	802.11b	6/2437	99.92%	1.001	0.288	0.01	16.94	17.00	1.014	0.292	22.2
Right cheek	802.11b	6/2437	99.92%	1.001	0.198	0.01	16.94	17.00	1.014	0.201	22.2
Right tilted	802.11b	6/2437	99.92%	1.001	0.229	0.08	16.94	17.00	1.014	0.232	22.2
Body worn Test data (Separate 15mm) DSI3											
Front side	802.11b	6/2437	99.92%	1.001	0.126	0.09	20.99	22.50	1.416	<b>0.179</b>	22.1
Back side	802.11b	6/2437	99.92%	1.001	0.126	0.03	20.99	22.50	1.416	<b>0.179</b>	22.2
Hotspot Test data (Separate 10mm) DSI4											
Front side	802.11b	6/2437	99.92%	1.001	0.200	0.12	20.53	22.00	1.403	0.281	22.2
Back side	802.11b	6/2437	99.92%	1.001	0.218	-0.04	20.53	22.00	1.403	0.306	22.2
Left side	802.11b	6/2437	99.92%	1.001	0.040	0.01	20.53	22.00	1.403	0.056	22.2
Right side	802.11b	6/2437	99.92%	1.001	0.280	-0.03	20.53	22.00	1.403	<b>0.393</b>	22.2
Top side	802.11b	6/2437	99.92%	1.001	0.240	-0.02	20.53	22.00	1.403	0.337	22.2

Table 33: SAR of WIFI 2.4G for Head and Body.

Note:

1) As the 802.11b highest reported SAR is smaller than 1.2 W/kg, and the tune-up of the other 802.11 modes is not higher than 802.11b, therefore the adjusted SAR is  $\leq 1.2$  W/kg for other 802.11 modes, SAR test for the other 802.11 modes is not required.



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### 8.2.12 SAR Result of WIFI 5G

Ant22 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 DSI1											
Left cheek	802.11n 40M	54/5270	99.06%	1.009	0.477	-0.10	13.21	14.50	1.346	0.648	22.2
Left tilted	802.11n 40M	54/5270	99.06%	1.009	0.415	0.04	13.21	14.50	1.346	0.564	22.2
Right cheek	802.11n 40M	54/5270	99.06%	1.009	0.232	0.02	13.21	14.50	1.346	0.315	22.2
Right tilted	802.11n 40M	54/5270	99.06%	1.009	0.264	0.01	13.21	14.50	1.346	0.359	22.2
Head Test Data of U-NII-2C DSI1											
Left cheek	802.11ac 80M	138/5690	99.19%	1.008	0.494	-0.04	13.19	13.50	1.074	0.535	22.2
Left tilted	802.11ac 80M	138/5690	99.19%	1.008	0.737	0.05	13.19	13.50	1.074	<b>0.798</b>	22.2
Right cheek	802.11ac 80M	138/5690	99.19%	1.008	0.346	-0.09	13.19	13.50	1.074	0.375	22.2
Right tilted	802.11ac 80M	138/5690	99.19%	1.008	0.421	0.07	13.19	13.50	1.074	0.456	22.2
Head Test Data of U-NII-3 DSI1											
Left cheek	802.11ac 80M	155/5775	99.19%	1.008	0.436	0.02	13.43	14.00	1.140	0.501	22.1
Left tilted	802.11ac 80M	155/5775	99.19%	1.008	0.530	0.18	13.43	14.00	1.140	0.609	22.1
Right cheek	802.11ac 80M	155/5775	99.19%	1.008	0.451	0.03	13.43	14.00	1.140	0.518	22.1
Right tilted	802.11ac 80M	155/5775	99.19%	1.008	0.561	0.07	13.43	14.00	1.140	0.645	22.1
Head Test Data of U-NII-2A DSI2											
Left cheek	802.11n 40M	54/5270	99.06%	1.009	0.477	-0.10	13.21	12.00	0.757	0.364	22.2
Left tilted	802.11n 40M	54/5270	99.06%	1.009	0.415	0.04	13.21	12.00	0.757	0.317	22.2
Right cheek	802.11n 40M	54/5270	99.06%	1.009	0.232	0.02	13.21	12.00	0.757	0.177	22.2
Right tilted	802.11n 40M	54/5270	99.06%	1.009	0.264	0.01	13.21	12.00	0.757	0.202	22.2
Head Test Data of U-NII-2C DSI2											
Left cheek	802.11ac 80M	138/5690	99.19%	1.008	0.494	-0.04	13.19	11.00	0.604	0.301	22.2
Left tilted	802.11ac 80M	138/5690	99.19%	1.008	0.737	0.05	13.19	11.00	0.604	0.449	22.2
Right cheek	802.11ac 80M	138/5690	99.19%	1.008	0.346	-0.09	13.19	11.00	0.604	0.211	22.2
Right tilted	802.11ac 80M	138/5690	99.19%	1.008	0.421	0.07	13.19	11.00	0.604	0.256	22.2
Head Test Data of U-NII-3 DSI2											
Left cheek	802.11ac 80M	155/5775	99.19%	1.008	0.436	0.02	13.43	11.50	0.641	0.282	22.1
Left tilted	802.11ac 80M	155/5775	99.19%	1.008	0.530	0.18	13.43	11.50	0.641	0.343	22.1
Right cheek	802.11ac 80M	155/5775	99.19%	1.008	0.451	0.03	13.43	11.50	0.641	0.292	22.1
Right tilted	802.11ac 80M	155/5775	99.19%	1.008	0.561	0.07	13.43	11.50	0.641	0.363	22.1
Body worn Test data of U-NII-2A (Separate 15mm) DSI3											
Front side	802.11n 40M	54/5270	99.06%	1.009	0.103	-0.13	17.23	18.50	1.340	0.139	22.1
Back side	802.11n 40M	54/5270	99.06%	1.009	0.168	0.06	17.23	18.50	1.340	0.227	22.1
Body worn Test data of U-NII-2C (Separate 15mm) DSI3											
Front side	802.11a	132/5660	98.58%	1.014	0.191	0.07	17.54	19.00	1.400	0.271	22.1
Back side	802.11a	132/5660	98.58%	1.014	0.478	0.01	17.54	19.00	1.400	<b>0.679</b>	22.1
Body worn Test data of U-NII-3 (Separate 15mm) DSI3											
Front side	802.11n 40M	159/5785	99.06%	1.009	0.136	0.06	17.25	18.50	1.334	0.183	22.1
Back side	802.11n 40M	159/5785	99.06%	1.009	0.293	0.02	17.25	18.50	1.334	0.394	22.1
Body worn Test data of U-NII-2A (Separate 15mm) DSI4											
Front side	802.11n 40M	54/5270	99.06%	1.009	0.103	-0.13	17.23	17.50	1.064	0.111	22.1
Back side	802.11n 40M	54/5270	99.06%	1.009	0.168	0.06	17.23	17.50	1.064	0.180	22.1
Body worn Test data of U-NII-2C (Separate 15mm) DSI4											
Front side	802.11a	132/5660	98.58%	1.014	0.191	0.07	17.54	15.00	0.557	0.108	22.1
Back side	802.11a	132/5660	98.58%	1.014	0.478	0.01	17.54	15.00	0.557	0.270	22.1



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Body worn Test data of U-NII-3 (Separate 15mm) DS14											
Front side	802.11n 40M	159/5785	99.06%	1.009	0.136	0.06	17.25	15.00	0.596	0.082	22.1
Back side	802.11n 40M	159/5785	99.06%	1.009	0.293	0.02	17.25	15.00	0.596	0.176	22.1
Hotspot Test data of U-NII-1 (Separate 10mm) DS14											
Front side	802.11n 40M	46/5230	99.06%	1.009	0.134	-0.03	16.18	17.50	1.355	0.183	22.2
Back side	802.11n 40M	46/5230	99.06%	1.009	0.261	0.01	16.18	17.50	1.355	0.357	22.2
Right side	802.11n 40M	46/5230	99.06%	1.009	0.051	0.02	16.18	17.50	1.355	0.070	22.2
Top side	802.11n 40M	46/5230	99.06%	1.009	0.248	-0.01	16.18	17.50	1.355	0.339	22.2
Hotspot Test data of U-NII-3 (Separate 10mm) DS14											
Front side	802.11ac 80M	155/5775	99.19%	1.008	0.096	0.01	14.42	15.00	1.143	0.111	22.2
Back side	802.11ac 80M	155/5775	99.19%	1.008	0.296	-0.04	14.42	15.00	1.143	0.341	22.2
Right side	802.11ac 80M	155/5775	99.19%	1.008	0.070	0.02	14.42	15.00	1.143	0.081	22.2
Top side	802.11ac 80M	155/5775	99.19%	1.008	0.361	-0.13	14.42	15.00	1.143	<b>0.416</b>	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm) DS13											
Front side	802.11n 40M	54/5270	99.06%	1.009	0.534	-0.03	17.23	18.50	1.340	0.722	22.1
Back side	802.11n 40M	54/5270	99.06%	1.009	0.521	0.09	17.23	18.50	1.340	0.705	22.1
Right side	802.11n 40M	54/5270	99.06%	1.009	0.533	0.08	17.23	18.50	1.340	0.721	22.1
Top side	802.11n 40M	54/5270	99.06%	1.009	0.919	0.02	17.23	18.50	1.340	1.243	22.1
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) DS13											
Front side	802.11a	132/5660	98.58%	1.014	0.848	-0.02	17.54	19.00	1.400	1.204	22.1
Back side	802.11a	132/5660	98.58%	1.014	0.961	0.09	17.54	19.00	1.400	1.364	22.1
Right side	802.11a	132/5660	98.58%	1.014	0.804	-0.02	17.54	19.00	1.400	1.141	22.1
Top side	802.11a	132/5660	98.58%	1.014	1.890	-0.08	17.54	19.00	1.400	<b>2.683</b>	22.1
Top side	802.11a	136/5680	98.58%	1.014	1.550	-0.03	17.45	19.00	1.429	2.247	22.1
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm) DS14											
Front side	802.11n 40M	54/5270	99.06%	1.009	0.534	-0.03	17.23	17.50	1.064	0.574	22.1
Back side	802.11n 40M	54/5270	99.06%	1.009	0.521	0.09	17.23	17.50	1.064	0.560	22.1
Right side	802.11n 40M	54/5270	99.06%	1.009	0.533	0.08	17.23	17.50	1.064	0.573	22.1
Top side	802.11n 40M	54/5270	99.06%	1.009	0.919	0.02	17.23	17.50	1.064	0.987	22.1
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) DS14											
Front side	802.11a	124/5620	98.58%	1.014	0.848	-0.02	17.54	15.00	0.557	0.479	22.1
Back side	802.11a	124/5620	98.58%	1.014	0.961	0.09	17.54	15.00	0.557	0.543	22.1
Right side	802.11a	124/5620	98.58%	1.014	0.804	-0.02	17.54	15.00	0.557	0.454	22.1
Top side	802.11a	124/5620	98.58%	1.014	1.550	-0.03	17.54	15.00	0.557	0.876	22.1
Top side	802.11a	132/5660	98.58%	1.014	1.890	-0.08	17.49	15.00	0.564	1.081	22.1
Ant25 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 DS11											
Left cheek	802.11n 40M	54/5270	99.06%	1.009	0.118	0.05	13.73	14.50	1.194	0.142	22.4
Left tilted	802.11n 40M	54/5270	99.06%	1.009	0.082	-0.06	13.73	14.50	1.194	0.099	22.4
Right cheek	802.11n 40M	54/5270	99.06%	1.009	0.110	0.01	13.73	14.50	1.194	0.133	22.4
Right tilted	802.11n 40M	54/5270	99.06%	1.009	0.058	0.14	13.73	14.50	1.194	0.070	22.4
Head Test Data of U-NII-2C DS11											
Left cheek	802.11ac 80M	138/5690	99.19%	1.008	0.149	-0.03	13.46	13.50	1.009	0.152	22.4
Left tilted	802.11ac 80M	138/5690	99.19%	1.008	0.100	-0.09	13.46	13.50	1.009	0.102	22.4
Right cheek	802.11ac 80M	138/5690	99.19%	1.008	0.149	0.15	13.46	13.50	1.009	0.152	22.4



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Right tilted	802.11ac 80M	138/5690	99.19%	1.008	0.068	0.04	13.46	13.50	1.009	0.069	22.4
Head Test Data of U-NII-3 DSI1											
Left cheek	802.11ac 80M	155/5775	99.19%	1.008	0.223	0.02	13.84	14.00	1.038	0.233	22.4
Left tilted	802.11ac 80M	155/5775	99.19%	1.008	0.120	-0.04	13.84	14.00	1.038	0.126	22.4
Right cheek	802.11ac 80M	155/5775	99.19%	1.008	0.229	0.14	13.84	14.00	1.038	0.240	22.4
Right tilted	802.11ac 80M	155/5775	99.19%	1.008	0.064	0.05	13.84	14.00	1.038	0.067	22.4
Head Test Data of U-NII-2A DSI2											
Left cheek	802.11n 40M	54/5270	99.06%	1.009	0.118	0.05	13.73	12.00	0.671	0.080	22.4
Left tilted	802.11n 40M	54/5270	99.06%	1.009	0.082	-0.06	13.73	12.00	0.671	0.056	22.4
Right cheek	802.11n 40M	54/5270	99.06%	1.009	0.110	0.01	13.73	12.00	0.671	0.075	22.4
Right tilted	802.11n 40M	54/5270	99.06%	1.009	0.058	0.14	13.73	12.00	0.671	0.039	22.4
Head Test Data of U-NII-2C DSI2											
Left cheek	802.11ac 80M	138/5690	99.19%	1.008	0.149	-0.03	13.46	11.00	0.568	0.085	22.4
Left tilted	802.11ac 80M	138/5690	99.19%	1.008	0.100	-0.09	13.46	11.00	0.568	0.057	22.4
Right cheek	802.11ac 80M	138/5690	99.19%	1.008	0.149	0.15	13.46	11.00	0.568	0.085	22.4
Right tilted	802.11ac 80M	138/5690	99.19%	1.008	0.068	0.04	13.46	11.00	0.568	0.039	22.4
Head Test Data of U-NII-3 DSI2											
Left cheek	802.11ac 80M	155/5775	99.19%	1.008	0.223	0.02	13.84	11.50	0.583	0.131	22.4
Left tilted	802.11ac 80M	155/5775	99.19%	1.008	0.120	-0.04	13.84	11.50	0.583	0.071	22.4
Right cheek	802.11ac 80M	155/5775	99.19%	1.008	0.229	0.14	13.84	11.50	0.583	0.135	22.4
Right tilted	802.11ac 80M	155/5775	99.19%	1.008	0.064	0.05	13.84	11.50	0.583	0.037	22.4
Body worn Test data of U-NII-2A (Separate 15mm) DSI3											
Front side	802.11n 40M	54/5270	99.06%	1.009	0.050	0.08	17.78	18.50	1.180	0.059	22.4
Back side	802.11n 40M	54/5270	99.06%	1.009	0.109	0.06	17.78	18.50	1.180	0.130	22.4
Body worn Test data of U-NII-2C (Separate 15mm) DSI3											
Front side	802.11a	136/5680	98.58%	1.014	0.073	0.01	18.51	19.00	1.119	0.082	22.4
Back side	802.11a	136/5680	98.58%	1.014	0.209	0.07	18.51	19.00	1.119	0.237	22.4
Body worn Test data of U-NII-3 (Separate 15mm) DSI3											
Front side	802.11n 40M	159/5785	99.06%	1.009	0.103	-0.11	17.86	18.50	1.159	0.120	22.4
Back side	802.11n 40M	159/5785	99.06%	1.009	0.261	0.01	17.86	18.50	1.159	0.305	22.4
Body worn Test data of U-NII-2A (Separate 15mm) DSI4											
Front side	802.11n 40M	54/5270	99.06%	1.009	0.050	0.08	17.78	17.50	0.938	0.047	22.4
Back side	802.11n 40M	54/5270	99.06%	1.009	0.109	0.06	17.78	17.50	0.938	0.103	22.4
Body worn Test data of U-NII-2C (Separate 15mm) DSI4											
Front side	802.11a	136/5680	98.58%	1.014	0.073	0.01	18.51	15.00	0.446	0.033	22.4
Back side	802.11a	136/5680	98.58%	1.014	0.209	0.07	18.51	15.00	0.446	0.094	22.4
Body worn Test data of U-NII-3 (Separate 15mm) DSI4											
Front side	802.11n 40M	159/5785	99.06%	1.009	0.103	-0.11	17.86	15.00	0.518	0.054	22.4
Back side	802.11n 40M	159/5785	99.06%	1.009	0.261	0.01	17.86	15.00	0.518	0.136	22.4
Hotspot Test data of U-NII-1 (Separate 10mm) DSI4											
Front side	802.11n 40M	46/5230	99.06%	1.009	0.046	0.03	17.05	17.50	1.109	0.052	22.4
Back side	802.11n 40M	46/5230	99.06%	1.009	0.110	0.02	17.05	17.50	1.109	0.123	22.4
Right side	802.11n 40M	46/5230	99.06%	1.009	0.153	0.09	17.05	17.50	1.109	0.171	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) DSI4											
Front side	802.11ac 80M	155/5775	99.19%	1.008	0.075	0.04	14.97	15.00	1.007	0.076	22.4
Back side	802.11ac 80M	155/5775	99.19%	1.008	0.234	0.06	14.97	15.00	1.007	0.238	22.4
Right side	802.11ac 80M	155/5775	99.19%	1.008	0.289	0.09	14.97	15.00	1.007	0.293	22.4
<b>Test position</b>	<b>Test mode</b>	<b>Test ch./Freq.</b>	<b>Duty Cycle</b>	<b>Duty Cycle Scaled factor</b>	<b>SAR (W/kg) 10-g</b>	<b>Power drift (dB)</b>	<b>Conducted Power(dBm)</b>	<b>Tune up Limit(dBm)</b>	<b>Scaled factor</b>	<b>Scaled SAR 10-g (W/kg)</b>	<b>Liquid Temp.(°C)</b>
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm) DSI3											



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