



Report No.: SUCR251100114801

Page: 108 of 231

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.

10.3.27 SAR Result of NR Band n66

SA N66 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	45	QPSK 1_1	349000/1745	100%	0.498	0.13	17.80	19.00	1.318	0.656	22.4
Left tilted	45	QPSK 1_1	349000/1745	100%	0.561	0.12	17.80	19.00	1.318	0.739	22.4
Right cheek	45	QPSK 1_1	349000/1745	100%	0.846	0.06	17.80	19.00	1.318	1.115	22.4
Right cheek-repeated	45	QPSK 1_1	349000/1745	100%	0.842	0.01	17.80	19.00	1.318	1.110	22.4
Right tilted	45	QPSK 1_1	349000/1745	100%	0.724	-0.05	17.80	19.00	1.318	0.954	22.4
Head Test Data (50%RB) SET_1											
Left cheek	45	QPSK 120_60	349000/1745	100%	0.467	-0.13	17.75	19.00	1.334	0.623	22.4
Left tilted	45	QPSK 120_60	349000/1745	100%	0.554	-0.07	17.75	19.00	1.334	0.739	22.4
Right cheek	45	QPSK 120_60	349000/1745	100%	0.825	-0.12	17.75	19.00	1.334	1.101	22.4
Right tilted	45	QPSK 120_60	349000/1745	100%	0.710	0.10	17.75	19.00	1.334	0.947	22.4
Head Test Data (100%RB) SET_1											
Right cheek	45	QPSK 240_0	349000/1745	100%	0.811	-0.04	16.83	18.00	1.309	1.062	22.4
Right tilted	45	QPSK 240_0	349000/1745	100%	0.692	-0.14	16.83	18.00	1.309	0.906	22.4
Head Test Data (1RB) SET_1(ENDC)											
Left cheek	45	QPSK 1_1	349000/1745	100%	0.498	0.13	17.80	17.00	0.832	0.414	22.4
Left tilted	45	QPSK 1_1	349000/1745	100%	0.561	0.12	17.80	17.00	0.832	0.467	22.4
Right cheek	45	QPSK 1_1	349000/1745	100%	0.846	0.06	17.80	17.00	0.832	0.704	22.4
Right cheek-repeated	45	QPSK 1_1	349000/1745	100%	0.842	0.01	17.80	17.00	0.832	0.701	22.4
Right tilted	45	QPSK 1_1	349000/1745	100%	0.724	-0.05	17.80	17.00	0.832	0.602	22.4
Head Test Data (50%RB) SET_1(ENDC)											
Left cheek	45	QPSK 120_60	349000/1745	100%	0.467	-0.13	17.75	17.00	0.841	0.393	22.4
Left tilted	45	QPSK 120_60	349000/1745	100%	0.554	-0.07	17.75	17.00	0.841	0.466	22.4
Right cheek	45	QPSK 120_60	349000/1745	100%	0.825	-0.12	17.75	17.00	0.841	0.694	22.4
Right tilted	45	QPSK 120_60	349000/1745	100%	0.710	0.10	17.75	17.00	0.841	0.597	22.4
Head Test Data (100%RB) SET_1(ENDC)											
Right cheek	45	QPSK 240_0	349000/1745	100%	0.811	-0.04	16.83	16.00	0.826	0.670	22.4
Right tilted	45	QPSK 240_0	349000/1745	100%	0.692	-0.14	16.83	16.00	0.826	0.572	22.4
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	349000/1745	100%	0.334	-0.15	20.90	22.00	1.288	0.430	22.4
Back side	45	QPSK 1_1	349000/1745	100%	0.639	-0.06	20.90	22.00	1.288	0.823	22.4
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	349000/1745	100%	0.332	0.18	20.85	22.00	1.303	0.433	22.4
Back side	45	QPSK 120_60	349000/1745	100%	0.578	0.05	20.85	22.00	1.303	0.753	22.4
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	45	QPSK 240_0	349000/1745	100%	0.581	0.12	20.85	22.00	1.303	0.757	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	349000/1745	100%	0.334	-0.12	20.90	22.00	1.288	0.430	22.4
Back side	45	QPSK 1_1	349000/1745	100%	0.639	-0.06	20.90	22.00	1.288	0.823	22.4
Left side	45	QPSK 1_1	349000/1745	100%	0.180	-0.19	20.90	22.00	1.288	0.232	22.4
Top side	45	QPSK 1_1	349000/1745	100%	0.727	0.10	20.90	22.00	1.288	0.936	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	349000/1745	100%	0.332	-0.03	20.85	22.00	1.303	0.433	22.4
Back side	45	QPSK 120_60	349000/1745	100%	0.578	-0.17	20.85	22.00	1.303	0.753	22.4
Left side	45	QPSK 120_60	349000/1745	100%	0.164	-0.15	20.85	22.00	1.303	0.214	22.4

Top side	45	QPSK 120_60	349000/1745	100%	0.676	-0.05	20.85	22.00	1.303	0.881	22.4
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Back side	45	QPSK 120_60	349000/1745	100%	0.581	0.19	20.85	22.00	1.303	0.757	22.4
Top side	45	QPSK 120_60	349000/1745	100%	0.673	-0.09	20.85	22.00	1.303	0.877	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2(ENDC&NR UL CA)											
Front side	45	QPSK 1_1	349000/1745	100%	0.334	-0.12	20.90	19.00	0.646	0.216	22.4
Back side	45	QPSK 1_1	349000/1745	100%	0.639	-0.06	20.90	19.00	0.646	0.413	22.4
Left side	45	QPSK 1_1	349000/1745	100%	0.180	-0.19	20.90	19.00	0.646	0.116	22.4
Top side	45	QPSK 1_1	349000/1745	100%	0.727	0.10	20.90	19.00	0.646	0.470	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC&NR UL CA)											
Front side	45	QPSK 120_60	349000/1745	100%	0.332	-0.03	20.85	19.00	0.653	0.217	22.4
Back side	45	QPSK 120_60	349000/1745	100%	0.578	-0.17	20.85	19.00	0.653	0.377	22.4
Left side	45	QPSK 120_60	349000/1745	100%	0.164	-0.15	20.85	19.00	0.653	0.107	22.4
Top side	45	QPSK 120_60	349000/1745	100%	0.676	-0.05	20.85	19.00	0.653	0.441	22.4
Hotspot Test data (Separate 10mm 100%RB) SET_2(ENDC&NR UL CA)											
Back side	45	QPSK 120_60	349000/1745	100%	0.581	0.19	20.85	18.00	0.519	0.302	22.4
Top side	45	QPSK 120_60	349000/1745	100%	0.673	-0.09	20.85	18.00	0.519	0.349	22.4
Ant3 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) SET_1											
Left cheek	45	QPSK 1_1	349000/1745	100%	0.026	0.07	23.51	24.00	1.119	0.029	22.4
Left tilted	45	QPSK 1_1	349000/1745	100%	0.005	0.18	23.51	24.00	1.119	0.006	22.4
Right cheek	45	QPSK 1_1	349000/1745	100%	0.013	0.13	23.51	24.00	1.119	0.015	22.4
Right tilted	45	QPSK 1_1	349000/1745	100%	0.001	0.02	23.51	24.00	1.119	0.001	22.4
Head Test Data (50%RB) SET_1											
Left cheek	45	QPSK 120_60	349000/1745	100%	0.035	-0.11	23.36	24.00	1.159	0.041	22.4
Left tilted	45	QPSK 120_60	349000/1745	100%	0.008	-0.01	23.36	24.00	1.159	0.009	22.4
Right cheek	45	QPSK 120_60	349000/1745	100%	0.017	0.01	23.36	24.00	1.159	0.020	22.4
Right tilted	45	QPSK 120_60	349000/1745	100%	0.003	-0.18	23.36	24.00	1.159	0.003	22.4
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	349000/1745	100%	0.016	0.15	17.47	18.00	1.130	0.018	22.4
Back side	45	QPSK 1_1	349000/1745	100%	0.042	-0.16	17.47	18.00	1.130	0.047	22.4
Body worn Test data (Separate 10mm 50%RB)SET_2											
Front side	45	QPSK 120_60	349000/1745	100%	0.017	0.04	17.38	18.00	1.153	0.020	22.4
Back side	45	QPSK 120_60	349000/1745	100%	0.057	0.04	17.38	18.00	1.153	0.066	22.4
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	45	QPSK 1_1	349000/1745	100%	0.016	0.15	17.47	18.00	1.130	0.018	22.4
Back side	45	QPSK 1_1	349000/1745	100%	0.042	-0.16	17.47	18.00	1.130	0.047	22.4
Left side	45	QPSK 1_1	349000/1745	100%	0.006	-0.14	17.47	18.00	1.130	0.007	22.4
Bottom side	45	QPSK 1_1	349000/1745	100%	0.052	-0.13	17.47	18.00	1.130	0.059	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	45	QPSK 120_60	349000/1745	100%	0.017	0.04	17.38	18.00	1.153	0.020	22.4
Back side	45	QPSK 120_60	349000/1745	100%	0.057	0.04	17.38	18.00	1.153	0.066	22.4
Left side	45	QPSK 120_60	349000/1745	100%	0.003	-0.11	17.38	18.00	1.153	0.003	22.4
Bottom side	45	QPSK 120_60	349000/1745	100%	0.065	0.07	17.38	18.00	1.153	0.075	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	349000/1745	0.846	0.842	1.005	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.28 SAR Result of NR Band n70

SA N70 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test data(1RB) SET_1											
Left cheek	15	QPSK 1_1	340500/1702.5	100%	0.553	0.10	19.97	20.50	1.130	0.625	22.4
Left tilted	15	QPSK 1_1	340500/1702.5	100%	0.627	-0.17	19.97	20.50	1.130	0.709	22.4
Right cheek	15	QPSK 1_1	340500/1702.5	100%	0.945	0.02	19.97	20.50	1.130	1.068	22.4
Right cheek-repeated	15	QPSK 1_1	340500/1702.5	100%	0.927	0.03	19.97	20.50	1.130	1.048	22.4
Right tilted	15	QPSK 1_1	340500/1702.5	100%	0.813	-0.17	19.97	20.50	1.130	0.919	22.4
Head Test data(50%RB) SET_1											
Left cheek	15	QPSK 36_22	340500/1702.5	100%	0.500	-0.17	19.88	20.50	1.153	0.577	22.4
Left tilted	15	QPSK 36_22	340500/1702.5	100%	0.609	-0.12	19.88	20.50	1.153	0.702	22.4
Right cheek	15	QPSK 36_22	340500/1702.5	100%	0.918	-0.13	19.88	20.50	1.153	1.058	22.4
Right tilted	15	QPSK 36_22	340500/1702.5	100%	0.779	-0.10	19.88	20.50	1.153	0.898	22.4
Head Test data(50%RB) SET_1											
Right cheek	15	QPSK 75_0	340500/1702.5	100%	0.778	-0.17	18.70	19.50	1.202	0.935	22.4
Right tilted	15	QPSK 75_0	340500/1702.5	100%	0.694	0.09	18.70	19.50	1.202	0.834	22.4
Head Test data(1RB) SET_1 (NR UL CA)											
Left cheek	15	QPSK 1_1	340500/1702.5	100%	0.553	0.10	19.97	17.00	0.505	0.279	22.4
Left tilted	15	QPSK 1_1	340500/1702.5	100%	0.627	-0.17	19.97	17.00	0.505	0.317	22.4
Right cheek	15	QPSK 1_1	340500/1702.5	100%	0.945	0.02	19.97	17.00	0.505	0.477	22.4
Right cheek-repeated	15	QPSK 1_1	340500/1702.5	100%	0.927	0.03	19.97	17.00	0.505	0.468	22.4
Right tilted	15	QPSK 1_1	340500/1702.5	100%	0.813	-0.17	19.97	17.00	0.505	0.411	22.4
Head Test data(50%RB) SET_1 (NR UL CA)											
Left cheek	15	QPSK 36_22	340500/1702.5	100%	0.500	-0.17	19.88	17.00	0.515	0.258	22.4
Left tilted	15	QPSK 36_22	340500/1702.5	100%	0.609	-0.12	19.88	17.00	0.515	0.314	22.4
Right cheek	15	QPSK 36_22	340500/1702.5	100%	0.918	-0.13	19.88	17.00	0.515	0.473	22.4
Right tilted	15	QPSK 36_22	340500/1702.5	100%	0.779	-0.10	19.88	17.00	0.515	0.401	22.4
Head Test data(50%RB) SET_1 (NR UL CA)											
Right cheek	15	QPSK 75_0	340500/1702.5	100%	0.778	-0.17	18.70	16.00	0.537	0.418	22.4
Right tilted	15	QPSK 75_0	340500/1702.5	100%	0.694	0.09	18.70	16.00	0.537	0.373	22.4
Body worn Test data(Separate 10mm 1RB) SET_2											
Front side	15	QPSK 1_1	340500/1702.5	100%	0.222	-0.01	20.41	21.50	1.285	0.285	22.4
Back side	15	QPSK 1_1	340500/1702.5	100%	0.400	0.05	20.41	21.50	1.285	0.514	22.4
Body worn Test data(Separate 10mm 50%RB) SET_2											
Front side	15	QPSK 36_22	340500/1702.5	100%	0.249	0.08	20.34	21.50	1.306	0.325	22.4
Back side	15	QPSK 36_22	340500/1702.5	100%	0.429	0.04	20.34	21.50	1.306	0.560	22.4
Hotspot Test data(Separate 10mm 1RB) SET_2											
Front side	15	QPSK 1_1	340500/1702.5	100%	0.222	-0.01	20.41	21.50	1.285	0.285	22.4
Back side	15	QPSK 1_1	340500/1702.5	100%	0.400	0.05	20.41	21.50	1.285	0.514	22.4
Left side	15	QPSK 1_1	340500/1702.5	100%	0.106	0.07	20.41	21.50	1.285	0.136	22.4
Top side	15	QPSK 1_1	340500/1702.5	100%	0.506	0.02	20.41	21.50	1.285	0.650	22.4
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	15	QPSK 36_22	340500/1702.5	100%	0.249	0.08	20.34	21.50	1.306	0.325	22.4
Back side	15	QPSK 36_22	340500/1702.5	100%	0.429	0.04	20.34	21.50	1.306	0.560	22.4
Left side	15	QPSK 36_22	340500/1702.5	100%	0.027	0.14	20.34	21.50	1.306	0.035	22.4
Top side	15	QPSK 36_22	340500/1702.5	100%	0.473	0.04	20.34	21.50	1.306	0.618	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	340500/1702.5	0.945	0.927	1.019	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.29 SAR Result of NR Band n71

SA N71 SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	20	QPSK 1_1	136100/680.5	100%	0.116	0.07	22.92	24.00	1.282	0.149	22.3
Left tilted	20	QPSK 1_1	136100/680.5	100%	0.052	-0.02	22.92	24.00	1.282	0.067	22.3
Right cheek	20	QPSK 1_1	136100/680.5	100%	0.091	-0.02	22.92	24.00	1.282	0.117	22.3
Right tilted	20	QPSK 1_1	136100/680.5	100%	0.051	0.16	22.92	24.00	1.282	0.065	22.3
Head Test Data (50%RB) SET_1											
Left cheek	20	QPSK 50_28	136100/680.5	100%	0.089	0.08	22.82	24.00	1.312	0.117	22.3
Left tilted	20	QPSK 50_28	136100/680.5	100%	0.040	-0.19	22.82	24.00	1.312	0.052	22.3
Right cheek	20	QPSK 50_28	136100/680.5	100%	0.084	0.08	22.82	24.00	1.312	0.110	22.3
Right tilted	20	QPSK 50_28	136100/680.5	100%	0.045	0.16	22.82	24.00	1.312	0.059	22.3
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_1	136100/680.5	100%	0.177	0.08	22.92	24.00	1.282	0.227	22.3
Back side	20	QPSK 1_1	136100/680.5	100%	0.231	0.12	22.92	24.00	1.282	0.296	22.3
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_28	136100/680.5	100%	0.179	0.15	22.82	24.00	1.312	0.235	22.3
Back side	20	QPSK 50_28	136100/680.5	100%	0.261	0.14	22.82	24.00	1.312	0.342	22.3
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	20	QPSK 1_1	136100/680.5	100%	0.177	-0.04	22.92	24.00	1.282	0.227	22.3
Back side	20	QPSK 1_1	136100/680.5	100%	0.231	0.12	22.92	24.00	1.282	0.296	22.3
Right side	20	QPSK 1_1	136100/680.5	100%	0.326	0.08	22.92	24.00	1.282	0.418	22.3
Bottom side	20	QPSK 1_1	136100/680.5	100%	0.085	-0.15	22.92	24.00	1.282	0.109	22.3
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	20	QPSK 50_28	136100/680.5	100%	0.179	0.01	22.82	24.00	1.312	0.235	22.3
Back side	20	QPSK 50_28	136100/680.5	100%	0.261	0.12	22.82	24.00	1.312	0.342	22.3
Right side	20	QPSK 50_28	136100/680.5	100%	0.338	0.17	22.82	24.00	1.312	0.443	22.3
Bottom side	20	QPSK 50_28	136100/680.5	100%	0.110	0.06	22.82	24.00	1.312	0.144	22.3

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

SA N77 SAR Test Record											
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	100	QPSK 1_1	633334/3500	50%	0.195	-0.09	14.56	15.50	1.242	0.242	22.6
Left tilted	100	QPSK 1_1	633334/3500	50%	0.149	0.12	14.56	15.50	1.242	0.185	22.6
Right cheek	100	QPSK 1_1	633334/3500	50%	0.767	-0.13	14.56	15.50	1.242	0.953	22.6
Right tilted	100	QPSK 1_1	633334/3500	50%	0.414	0.16	14.56	15.50	1.242	0.514	22.6
Head Test Data (50%RB) SET_1											
Left cheek	100	QPSK 135_69	633334/3500	50%	0.168	-0.12	14.46	15.50	1.271	0.214	22.6
Left tilted	100	QPSK 135_69	633334/3500	50%	0.168	0.06	14.46	15.50	1.271	0.214	22.6
Right cheek	100	QPSK 135_69	633334/3500	50%	0.742	-0.19	14.46	15.50	1.271	0.943	22.6
Right tilted	100	QPSK 135_69	633334/3500	50%	0.385	0.04	14.46	15.50	1.271	0.489	22.6
Head Test Data (100%RB) SET_1											
Right cheek	100	QPSK 270_0	633334/3500	50%	0.728	0.15	13.55	14.50	1.245	0.906	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	633334/3500	50%	0.167	-0.13	15.63	16.50	1.222	0.204	22.6
Back side	100	QPSK 1_1	633334/3500	50%	0.552	-0.11	15.63	16.50	1.222	0.675	22.6
Body worn Test data (Separate 10mm 50%RB)SET_2											
Front side	100	QPSK 135_69	633334/3500	50%	0.164	0.06	15.57	16.50	1.239	0.203	22.6
Back side	100	QPSK 135_69	633334/3500	50%	0.565	0.03	15.57	16.50	1.239	0.700	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	633334/3500	50%	0.167	-0.13	15.63	16.50	1.222	0.204	22.6
Back side	100	QPSK 1_1	633334/3500	50%	0.552	-0.11	15.63	16.50	1.222	0.675	22.6
Left side	100	QPSK 1_1	633334/3500	50%	0.826	-0.02	15.63	16.50	1.222	1.009	22.6
Left side-repeated	100	QPSK 1_1	633334/3500	50%	0.821	0.03	15.63	16.50	1.222	1.003	22.6
Top side	100	QPSK 1_1	633334/3500	50%	0.121	0.11	15.63	16.50	1.222	0.148	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	633334/3500	50%	0.164	0.06	15.57	16.50	1.239	0.203	22.6
Back side	100	QPSK 135_69	633334/3500	50%	0.565	0.03	15.57	16.50	1.239	0.700	22.6
Left side	100	QPSK 135_69	633334/3500	50%	0.771	0.03	15.57	16.50	1.239	0.955	22.6
Top side	100	QPSK 135_69	633334/3500	50%	0.103	-0.09	15.57	16.50	1.239	0.128	22.6
Hotspot Test data (Separate 10mm 100%RB) SET_2											
Left side	100	QPSK 270_0	633334/3500	50%	0.635	-0.12	14.57	15.50	1.239	0.787	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left side	633334/3500	0.826	0.821	1.006	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.31 SAR Result of NR Band n77 (3550-3700)

SA N77 SAR Test Record											
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	100	QPSK 1_1	641667/3625	50%	0.169	0.08	14.53	15.50	1.250	0.211	22.6
Left tilted	100	QPSK 1_1	641667/3625	50%	0.157	0.11	14.53	15.50	1.250	0.196	22.6
Right cheek	100	QPSK 1_1	641667/3625	50%	0.780	0.12	14.53	15.50	1.250	0.975	22.6
Right tilted	100	QPSK 1_1	641667/3625	50%	0.403	-0.08	14.53	15.50	1.250	0.504	22.6
Head Test Data (50%RB) SET_1											
Left cheek	100	QPSK 135_69	641667/3625	50%	0.159	0.01	14.43	15.50	1.279	0.203	22.6
Left tilted	100	QPSK 135_69	641667/3625	50%	0.155	-0.03	14.43	15.50	1.279	0.198	22.6
Right cheek	100	QPSK 135_69	641667/3625	50%	0.773	0.04	14.43	15.50	1.279	0.989	22.6
Right tilted	100	QPSK 135_69	641667/3625	50%	0.370	0.12	14.43	15.50	1.279	0.473	22.6
Head Test Data (100%RB) SET_1											
Right cheek	100	QPSK 270_0	641667/3625	50%	0.682	0.17	13.42	14.50	1.282	0.874	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	641667/3625	50%	0.165	-0.15	15.56	16.50	1.242	0.205	22.6
Back side	100	QPSK 1_1	641667/3625	50%	0.536	-0.17	15.56	16.50	1.242	0.666	22.6
Body worn Test data (Separate 10mm 50%RB)SET_2											
Front side	100	QPSK 135_69	641667/3625	50%	0.154	0.14	15.52	16.50	1.253	0.193	22.6
Back side	100	QPSK 135_69	641667/3625	50%	0.538	-0.03	15.52	16.50	1.253	0.674	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	641667/3625	50%	0.146	0.10	15.56	16.50	1.242	0.181	22.6
Back side	100	QPSK 1_1	641667/3625	50%	0.529	-0.10	15.56	16.50	1.242	0.657	22.6
Left side	100	QPSK 1_1	641667/3625	50%	0.796	0.11	15.56	16.50	1.242	0.989	22.6
Top side	100	QPSK 1_1	641667/3625	50%	0.106	0.11	15.56	16.50	1.242	0.132	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	641667/3625	50%	0.153	0.16	15.52	16.50	1.253	0.192	22.6
Back side	100	QPSK 135_69	641667/3625	50%	0.553	-0.11	15.52	16.50	1.253	0.693	22.6
Left side	100	QPSK 135_69	641667/3625	50%	0.770	-0.10	15.52	16.50	1.253	0.965	22.6
Top side	100	QPSK 135_69	641667/3625	50%	0.127	0.02	15.52	16.50	1.253	0.159	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Left side	100	QPSK 270_0	641667/3625	50%	0.605	0.16	14.47	15.50	1.268	0.767	22.6

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

SA N77 SAR Test Record											
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) SET_1											
Left cheek	100	QPSK 1_1	656000/3840	50%	0.234	0.18	15.06	15.50	1.107	0.259	22.6
Left tilted	100	QPSK 1_1	656000/3840	50%	0.192	0.06	15.06	15.50	1.107	0.213	22.6
Right cheek	100	QPSK 1_1	656000/3840	50%	0.901	0.15	15.06	15.50	1.107	0.997	22.6
Right cheek-repeated	100	QPSK 1_1	656000/3840	50%	0.899	0.01	15.06	15.50	1.107	0.995	22.6
Right tilted	100	QPSK 1_1	656000/3840	50%	0.446	0.17	15.06	15.50	1.107	0.494	22.6
Head Test Data (50%RB) SET_1											
Left cheek	100	QPSK 135_69	656000/3840	50%	0.215	-0.02	14.92	15.50	1.143	0.246	22.6
Left tilted	100	QPSK 135_69	656000/3840	50%	0.179	0.08	14.92	15.50	1.143	0.205	22.6
Right cheek	100	QPSK 135_69	656000/3840	50%	0.835	0.03	14.92	15.50	1.143	0.954	22.6
Right tilted	100	QPSK 135_69	656000/3840	50%	0.419	-0.04	14.92	15.50	1.143	0.479	22.6
Head Test Data (100%RB) SET_1											
Right cheek	100	QPSK 270_0	656000/3840	50%	0.655	0.04	13.96	14.50	1.132	0.741	22.6
Head Test Data (1RB) SET_1(ENDC&NR ULCA)											
Left cheek	100	QPSK 1_1	656000/3840	50%	0.234	0.18	15.06	14.50	0.879	0.206	22.6
Left tilted	100	QPSK 1_1	656000/3840	50%	0.192	0.06	15.06	14.50	0.879	0.169	22.6
Right cheek	100	QPSK 1_1	656000/3840	50%	0.901	0.15	15.06	14.50	0.879	0.792	22.6
Right cheek-repeated	100	QPSK 1_1	656000/3840	50%	0.899	0.01	15.06	14.50	0.879	0.790	22.6
Right tilted	100	QPSK 1_1	656000/3840	50%	0.446	0.17	15.06	14.50	0.879	0.392	22.6
Head Test Data (50%RB) SET_1(ENDC&NR ULCA)											
Left cheek	100	QPSK 135_69	656000/3840	50%	0.215	-0.02	14.92	14.50	0.908	0.195	22.6
Left tilted	100	QPSK 135_69	656000/3840	50%	0.179	0.08	14.92	14.50	0.908	0.163	22.6
Right cheek	100	QPSK 135_69	656000/3840	50%	0.835	0.03	14.92	14.50	0.908	0.758	22.6
Right tilted	100	QPSK 135_69	656000/3840	50%	0.419	-0.04	14.92	14.50	0.908	0.380	22.6
Head Test Data (100%RB) SET_1(ENDC&NR ULCA)											
Right cheek	100	QPSK 270_0	656000/3840	50%	0.655	0.04	13.96	13.50	0.899	0.589	22.6
Body worn Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	656000/3840	50%	0.207	0.19	15.53	16.50	1.250	0.259	22.6
Back side	100	QPSK 1_1	656000/3840	50%	0.618	-0.08	15.53	16.50	1.250	0.773	22.6
Body worn Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	656000/3840	50%	0.177	0.01	15.40	16.50	1.288	0.228	22.6
Back side	100	QPSK 135_69	656000/3840	50%	0.630	0.09	15.40	16.50	1.288	0.811	22.6
Body worn Test data (Separate 10mm 100%RB) SET_2											
Back side	100	QPSK 270_0	656000/3840	50%	0.564	0.15	14.55	15.50	1.245	0.702	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2											
Front side	100	QPSK 1_1	656000/3840	50%	0.207	0.19	15.53	16.50	1.250	0.259	22.6
Back side	100	QPSK 1_1	656000/3840	50%	0.618	-0.08	15.53	16.50	1.250	0.773	22.6
Left side	100	QPSK 1_1	656000/3840	50%	0.877	0.02	15.53	16.50	1.250	1.096	22.6
Top side	100	QPSK 1_1	656000/3840	50%	0.157	0.01	15.53	16.50	1.250	0.196	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											
Front side	100	QPSK 135_69	656000/3840	50%	0.177	0.01	15.40	16.50	1.288	0.228	22.6
Back side	100	QPSK 135_69	656000/3840	50%	0.630	0.09	15.40	16.50	1.288	0.811	22.6
Left side	100	QPSK 135_69	656000/3840	50%	0.821	-0.04	15.40	16.50	1.288	1.057	22.6
Top side	100	QPSK 135_69	656000/3840	50%	0.160	0.13	15.40	16.50	1.288	0.206	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2											

Back side	100	QPSK 135_69	656000/3840	50%	0.564	0.15	14.55	15.50	1.245	0.702	22.6
Top side	100	QPSK 135_69	656000/3840	50%	0.716	-0.03	14.55	15.50	1.245	0.891	22.6
Hotspot Test data (Separate 10mm 1RB) SET_2(ENDC&NR ULCA)											
Front side	100	QPSK 1_1	656000/3840	50%	0.207	0.19	15.53	15.50	0.993	0.206	22.6
Back side	100	QPSK 1_1	656000/3840	50%	0.618	-0.08	15.53	15.50	0.993	0.614	22.6
Left side	100	QPSK 1_1	656000/3840	50%	0.877	0.02	15.53	15.50	0.993	0.871	22.6
Top side	100	QPSK 1_1	656000/3840	50%	0.157	0.01	15.53	15.50	0.993	0.156	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC&NR ULCA)											
Front side	100	QPSK 135_69	656000/3840	50%	0.177	0.01	15.40	15.50	1.023	0.181	22.6
Back side	100	QPSK 135_69	656000/3840	50%	0.630	0.09	15.40	15.50	1.023	0.644	22.6
Left side	100	QPSK 135_69	656000/3840	50%	0.821	-0.04	15.40	15.50	1.023	0.840	22.6
Top side	100	QPSK 135_69	656000/3840	50%	0.160	0.13	15.40	15.50	1.023	0.164	22.6
Hotspot Test data (Separate 10mm 50%RB) SET_2(ENDC&NR ULCA)											
Back side	100	QPSK 135_69	656000/3840	50%	0.564	0.15	14.55	14.50	0.989	0.558	22.6
Top side	100	QPSK 135_69	656000/3840	50%	0.716	-0.03	14.55	14.50	0.989	0.708	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	349000/1745	0.901	0.899	1.002	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.33 SAR Result of WIFI 2.4G

Wi-Fi 2.4G SAR Test Record											
Ant8 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 SET_0											
Left cheek	802.11b	6/2437	100.00%	1.000	0.156	-0.12	15.69	17.00	1.352	0.211	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.164	-0.14	15.69	17.00	1.352	0.222	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.066	-0.13	15.69	17.00	1.352	0.089	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.068	0.04	15.69	17.00	1.352	0.092	22.5
Head Test Data SET_3(Simultaneous)											
Left cheek	802.11b	6/2437	100.00%	1.000	0.156	-0.12	15.69	10.00	0.270	0.042	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.164	-0.14	15.69	10.00	0.270	0.044	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.066	-0.13	15.69	10.00	0.270	0.018	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.068	0.04	15.69	10.00	0.270	0.018	22.5
Body worn Test data (Separate 10mm) SET_2											
Front side	802.11b	6/2437	100.00%	1.000	0.069	0.08	18.46	20.00	1.426	0.098	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.164	0.08	18.46	20.00	1.426	0.234	22.5
Body worn Test data (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11b	6/2437	100.00%	1.000	0.069	0.08	18.46	11.00	0.179	0.012	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.164	0.08	18.46	11.00	0.179	0.029	22.5
Hotspot Test data (Separate 10mm) SET_1											
Front side	802.11b	6/2437	100.00%	1.000	0.069	0.08	18.46	20.00	1.426	0.098	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.164	0.08	18.46	20.00	1.426	0.234	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.006	-0.11	18.46	20.00	1.426	0.009	22.5
Top side	802.11b	6/2437	100.00%	1.000	0.170	0.10	18.46	20.00	1.426	0.242	22.5
Hotspot Test data (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11b	6/2437	100.00%	1.000	0.069	0.08	18.46	13.00	0.284	0.020	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.164	0.08	18.46	13.00	0.284	0.047	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.006	-0.11	18.46	13.00	0.284	0.002	22.5
Top side	802.11b	6/2437	100.00%	1.000	0.170	0.10	18.46	13.00	0.284	0.048	22.5
Ant9 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 SET_0											
Left cheek	802.11b	1/2412	100.00%	1.000	0.222	0.04	15.62	17.00	1.374	0.305	22.5
Left tilted	802.11b	1/2412	100.00%	1.000	0.044	-0.08	15.62	17.00	1.374	0.060	22.5
Right cheek	802.11b	1/2412	100.00%	1.000	0.123	0.05	15.62	17.00	1.374	0.169	22.5
Right tilted	802.11b	1/2412	100.00%	1.000	0.028	0.04	15.62	17.00	1.374	0.038	22.5
Head Test Data SET_3(Simultaneous)											
Left cheek	802.11b	1/2412	100.00%	1.000	0.222	0.04	15.62	10.00	0.274	0.061	22.5
Left tilted	802.11b	1/2412	100.00%	1.000	0.044	-0.08	15.62	10.00	0.274	0.012	22.5
Right cheek	802.11b	1/2412	100.00%	1.000	0.123	0.05	15.62	10.00	0.274	0.034	22.5
Right tilted	802.11b	1/2412	100.00%	1.000	0.028	0.04	15.62	10.00	0.274	0.008	22.5
Body worn Test data (Separate 10mm) SET_2											
Front side	802.11b	6/2437	100.00%	1.000	0.130	0.10	19.57	20.00	1.104	0.144	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.332	0.11	19.57	20.00	1.104	0.367	22.5
Body worn Test data (Separate 10mm) SET_2											

Front side	802.11b	6/2437	100.00%	1.000	0.130	0.10	19.57	11.00	0.139	0.018	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.332	0.11	19.57	11.00	0.139	0.046	22.5
Hotspot Test data (Separate 10mm) SET_1											
Front side	802.11b	6/2437	100.00%	1.000	0.130	0.10	19.57	20.00	1.104	0.144	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.332	0.11	19.57	20.00	1.104	0.367	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.211	0.01	19.57	20.00	1.104	0.233	22.5
Hotspot Test data (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11b	6/2437	100.00%	1.000	0.130	0.10	19.57	13.00	0.220	0.029	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.332	0.11	19.57	13.00	0.220	0.073	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.211	0.01	19.57	13.00	0.220	0.046	22.5
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 SET_0											
Left cheek	802.11n HT40	6/2437	100.00%	1.000	0.171	-0.12	18.78	19.00	1.052	0.180	22.5
Left tilted	802.11n HT40	6/2437	100.00%	1.000	0.180	0.18	18.78	19.00	1.052	0.189	22.5
Right cheek	802.11n HT40	6/2437	100.00%	1.000	0.109	-0.08	18.78	19.00	1.052	0.115	22.5
Right tilted	802.11n HT40	6/2437	100.00%	1.000	0.086	-0.17	18.78	19.00	1.052	0.090	22.5
Head Test Data SET_3(Simultaneous)											
Left cheek	802.11n HT40	6/2437	100.00%	1.000	0.171	-0.12	18.78	12.00	0.210	0.036	22.5
Left tilted	802.11n HT40	6/2437	100.00%	1.000	0.180	0.18	18.78	12.00	0.210	0.038	22.5
Right cheek	802.11n HT40	6/2437	100.00%	1.000	0.109	-0.08	18.78	12.00	0.210	0.023	22.5
Right tilted	802.11n HT40	6/2437	100.00%	1.000	0.086	-0.17	18.78	12.00	0.210	0.018	22.5
Body worn Test data (Separate 10mm) SET_2											
Front side	802.11n HT40	6/2437	100.00%	1.000	0.081	-0.08	19.66	20.00	1.081	0.088	22.5
Back side	802.11n HT40	6/2437	100.00%	1.000	0.195	0.04	19.66	20.00	1.081	0.211	22.5
Body worn Test data (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11n HT40	6/2437	100.00%	1.000	0.081	-0.08	19.66	13.00	0.216	0.017	22.5
Back side	802.11n HT40	6/2437	100.00%	1.000	0.195	0.04	19.66	13.00	0.216	0.042	22.5
Hotspot Test data (Separate 10mm) SET_1											
Front side	802.11n HT40	6/2437	100.00%	1.000	0.081	-0.08	19.66	20.00	1.081	0.088	22.5
Back side	802.11n HT40	6/2437	100.00%	1.000	0.195	0.04	19.66	20.00	1.081	0.211	22.5
Right side	802.11n HT40	6/2437	100.00%	1.000	0.124	0.04	19.66	20.00	1.081	0.134	22.5
Top side	802.11n HT40	6/2437	100.00%	1.000	0.109	-0.01	19.66	20.00	1.081	0.118	22.5
Hotspot Test data (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11n HT40	6/2437	100.00%	1.000	0.081	-0.08	19.66	15.00	0.342	0.028	22.5
Back side	802.11n HT40	6/2437	100.00%	1.000	0.195	0.04	19.66	15.00	0.342	0.067	22.5
Right side	802.11n HT40	6/2437	100.00%	1.000	0.124	0.04	19.66	15.00	0.342	0.042	22.5
Top side	802.11n HT40	6/2437	100.00%	1.000	0.109	-0.01	19.66	15.00	0.342	0.037	22.5

10.3.34 SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record											
Ant12 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 SET_0											
Left cheek	802.11a	64/5320	100.00%	1.000	0.583	0.12	13.52	15.00	1.406	0.820	22.4
Left cheek	802.11a	60/5300	100.00%	1.000	0.551	-0.05	13.50	15.00	1.413	0.779	22.4
Left tilted	802.11a	64/5320	100.00%	1.000	0.467	0.13	13.52	15.00	1.406	0.657	22.4
Right cheek	802.11a	64/5320	100.00%	1.000	0.347	0.14	13.52	15.00	1.406	0.488	22.4
Right tilted	802.11a	64/5320	100.00%	1.000	0.325	0.17	13.52	15.00	1.406	0.457	22.4
Head Test Data of U-NII-2C SET_0											
Left cheek	802.11a	120/5600	100.00%	1.000	0.689	-0.07	13.78	15.00	1.324	0.912	22.4
Left cheek	802.11a	100/5500	100.00%	1.000	0.675	0.14	13.75	15.00	1.334	0.900	22.4
Left tilted	802.11a	120/5600	100.00%	1.000	0.571	-0.12	13.78	15.00	1.324	0.756	22.4
Left tilted	802.11a	100/5500	100.00%	1.000	0.563	-0.07	13.75	15.00	1.334	0.751	22.4
Right cheek	802.11a	120/5600	100.00%	1.000	0.236	-0.14	13.78	15.00	1.324	0.312	22.4
Right tilted	802.11a	120/5600	100.00%	1.000	0.211	0.11	13.78	15.00	1.324	0.279	22.4
Head Test Data of U-NII-3 SET_0											
Left cheek	802.11a	165/5825	100.00%	1.000	0.388	-0.11	14.01	15.00	1.256	0.487	22.3
Left tilted	802.11a	165/5825	100.00%	1.000	0.344	0.01	14.01	15.00	1.256	0.432	22.3
Right cheek	802.11a	165/5825	100.00%	1.000	0.248	0.07	14.01	15.00	1.256	0.311	22.3
Right tilted	802.11a	165/5825	100.00%	1.000	0.255	0.11	14.01	15.00	1.256	0.320	22.3
Head Test Data of U-NII-2A SET_3(Simultaneous)											
Left cheek	802.11a	64/5320	100.00%	1.000	0.583	0.12	13.52	14.00	1.117	0.651	22.4
Left cheek	802.11a	60/5300	100.00%	1.000	0.551	-0.05	13.50	14.00	1.122	0.618	22.4
Left tilted	802.11a	64/5320	100.00%	1.000	0.467	0.13	13.52	14.00	1.117	0.522	22.4
Right cheek	802.11a	64/5320	100.00%	1.000	0.247	0.14	13.52	14.00	1.117	0.276	22.4
Right tilted	802.11a	64/5320	100.00%	1.000	0.225	0.17	13.52	14.00	1.117	0.251	22.4
Head Test Data of U-NII-2C SET_3(Simultaneous)											
Left cheek	802.11a	120/5600	100.00%	1.000	0.689	-0.07	13.78	14.00	1.052	0.725	22.4
Left cheek	802.11a	100/5500	100.00%	1.000	0.675	0.14	13.75	14.00	1.059	0.715	22.4
Left tilted	802.11a	120/5600	100.00%	1.000	0.571	-0.12	13.78	14.00	1.052	0.601	22.4
Left tilted	802.11a	100/5500	100.00%	1.000	0.563	-0.07	13.75	14.00	1.059	0.596	22.4
Right cheek	802.11a	120/5600	100.00%	1.000	0.236	-0.14	13.78	14.00	1.052	0.248	22.4
Right tilted	802.11a	120/5600	100.00%	1.000	0.211	0.11	13.78	14.00	1.052	0.222	22.4
Head Test Data of U-NII-3 SET_3(Simultaneous)											
Left cheek	802.11a	165/5825	100.00%	1.000	0.388	-0.11	14.01	14.00	0.998	0.387	22.3
Left tilted	802.11a	165/5825	100.00%	1.000	0.344	0.01	14.01	14.00	0.998	0.343	22.3
Right cheek	802.11a	165/5825	100.00%	1.000	0.248	0.07	14.01	14.00	0.998	0.248	22.3
Right tilted	802.11a	165/5825	100.00%	1.000	0.255	0.11	14.01	14.00	0.998	0.254	22.3
Body worn Test data of U-NII-2A (Separate 10mm) SET_2											
Front side	802.11a	64/5320	100.00%	1.000	0.210	-0.17	16.40	18.00	1.445	0.303	22.4
Back side	802.11a	64/5320	100.00%	1.000	0.375	-0.02	16.40	18.00	1.445	0.542	22.4
Body worn Test data of U-NII-2C (Separate 10mm) SET_2											
Front side	802.11a	120/5600	100.00%	1.000	0.350	-0.07	16.74	18.00	1.337	0.468	22.4
Back side	802.11a	120/5600	100.00%	1.000	0.370	-0.18	16.74	18.00	1.337	0.495	22.4
Body worn Test data of U-NII-3 (Separate 10mm) SET_2											
Front side	802.11a	165/5825	100.00%	1.000	0.176	0.18	17.00	18.00	1.259	0.222	22.3

Back side	802.11a	165/5825	100.00%	1.000	0.247	-0.12	17.00	18.00	1.259	0.311	22.3
Body worn Test data of U-NII-2A (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11a	64/5320	100.00%	1.000	0.210	-0.17	16.40	13.00	0.457	0.096	22.4
Back side	802.11a	64/5320	100.00%	1.000	0.375	-0.02	16.40	13.00	0.457	0.171	22.4
Body worn Test data of U-NII-2C (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11a	120/5600	100.00%	1.000	0.350	-0.07	16.74	13.00	0.423	0.148	22.4
Back side	802.11a	120/5600	100.00%	1.000	0.370	-0.18	16.74	13.00	0.423	0.157	22.4
Body worn Test data of U-NII-3 (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11a	165/5825	100.00%	1.000	0.176	0.18	17.00	13.00	0.398	0.070	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.247	-0.12	17.00	13.00	0.398	0.098	22.3
Hotspot Test data of U-NII-1 (Separate 10mm) SET_1											
Front side	802.11a	40/5200	100.00%	1.000	0.149	0.12	16.82	18.00	1.312	0.195	22.4
Back side	802.11a	40/5200	100.00%	1.000	0.214	0.14	16.82	18.00	1.312	0.281	22.4
Right side	802.11a	40/5200	100.00%	1.000	0.000	0.04	16.82	18.00	1.312	0.000	22.4
Top side	802.11a	40/5200	100.00%	1.000	0.159	-0.17	16.82	18.00	1.312	0.209	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) SET_1											
Front side	802.11a	165/5825	100.00%	1.000	0.176	0.18	17.00	18.00	1.259	0.222	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.247	-0.12	17.00	18.00	1.259	0.311	22.3
Right side	802.11a	165/5825	100.00%	1.000	0.098	-0.01	17.00	18.00	1.259	0.123	22.3
Top side	802.11a	165/5825	100.00%	1.000	0.288	0.19	17.00	18.00	1.259	0.363	22.3
Hotspot Test data of U-NII-1 (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11a	40/5200	100.00%	1.000	0.149	0.12	16.82	14.00	0.522	0.078	22.4
Back side	802.11a	40/5200	100.00%	1.000	0.214	0.14	16.82	14.00	0.522	0.112	22.4
Right side	802.11a	40/5200	100.00%	1.000	0.000	0.04	16.82	14.00	0.522	0.000	22.4
Top side	802.11a	40/5200	100.00%	1.000	0.159	-0.17	16.82	14.00	0.522	0.083	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11a	165/5825	100.00%	1.000	0.176	0.18	17.00	14.00	0.501	0.088	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.247	-0.12	17.00	14.00	0.501	0.124	22.3
Right side	802.11a	165/5825	100.00%	1.000	0.098	-0.01	17.00	14.00	0.501	0.049	22.3
Top side	802.11a	165/5825	100.00%	1.000	0.288	0.19	17.00	14.00	0.501	0.144	22.3
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) SET_1											
Front side	802.11a	64/5320	100.00%	1.000	0.548	-0.14	16.40	18.00	1.445	0.792	22.4
Back side	802.11a	64/5320	100.00%	1.000	0.336	-0.17	16.40	18.00	1.445	0.486	22.4
Right side	802.11a	64/5320	100.00%	1.000	0.151	-0.01	16.40	18.00	1.445	0.218	22.4
Top side	802.11a	64/5320	100.00%	1.000	0.563	-0.14	16.40	18.00	1.445	0.814	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) SET_1											
Front side	802.11a	116/5580	100.00%	1.000	0.772	0.18	16.74	18.00	1.337	1.032	22.4
Back side	802.11a	116/5580	100.00%	1.000	0.414	0.05	16.74	18.00	1.337	0.554	22.4
Right side	802.11a	116/5580	100.00%	1.000	0.093	-0.08	16.74	18.00	1.337	0.124	22.4
Top side	802.11a	116/5580	100.00%	1.000	0.761	-0.19	16.74	18.00	1.337	1.017	22.4
Ant10 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 of U-NII-2A SET_0											
Left cheek	802.11a	64/5320	100.00%	1.000	0.573	0.04	14.39	15.00	1.151	0.660	22.4
Left tilted	802.11a	64/5320	100.00%	1.000	0.247	-0.10	14.39	15.00	1.151	0.284	22.4
Right cheek	802.11a	64/5320	100.00%	1.000	0.149	-0.17	14.39	15.00	1.151	0.171	22.4

Right tilted	802.11a	64/5320	100.00%	1.000	0.086	0.19	14.39	15.00	1.151	0.099	22.4
Head Test Data of U-NII-2C SET_0											
Left cheek	802.11a	136/5680	100.00%	1.000	0.378	0.19	13.82	15.00	1.312	0.496	22.4
Left tilted	802.11a	136/5680	100.00%	1.000	0.145	0.19	13.82	15.00	1.312	0.190	22.4
Right cheek	802.11a	136/5680	100.00%	1.000	0.116	0.16	13.82	15.00	1.312	0.152	22.4
Right tilted	802.11a	136/5680	100.00%	1.000	0.057	0.14	13.82	15.00	1.312	0.075	22.4
Head Test Data of U-NII-3 SET_0											
Left cheek	802.11a	165/5825	100.00%	1.000	0.289	-0.18	13.58	15.00	1.387	0.401	22.3
Left tilted	802.11a	165/5825	100.00%	1.000	0.207	0.05	13.58	15.00	1.387	0.287	22.3
Right cheek	802.11a	165/5825	100.00%	1.000	0.091	-0.12	13.58	15.00	1.387	0.126	22.3
Right tilted	802.11a	165/5825	100.00%	1.000	0.074	0.05	13.58	15.00	1.387	0.103	22.3
Head Test Data of U-NII-2A SET_3(Simultaneous)											
Left cheek	802.11a	64/5320	100.00%	1.000	0.573	0.04	14.39	14.00	0.914	0.524	22.4
Left tilted	802.11a	64/5320	100.00%	1.000	0.247	-0.10	14.39	14.00	0.914	0.226	22.4
Right cheek	802.11a	64/5320	100.00%	1.000	0.149	-0.17	14.39	14.00	0.914	0.136	22.4
Right tilted	802.11a	64/5320	100.00%	1.000	0.086	0.19	14.39	14.00	0.914	0.079	22.4
Head Test Data of U-NII-2C SET_3(Simultaneous)											
Left cheek	802.11a	136/5680	100.00%	1.000	0.378	0.19	13.82	14.00	1.042	0.394	22.4
Left tilted	802.11a	136/5680	100.00%	1.000	0.145	0.19	13.82	14.00	1.042	0.151	22.4
Right cheek	802.11a	136/5680	100.00%	1.000	0.116	0.16	13.82	14.00	1.042	0.121	22.4
Right tilted	802.11a	136/5680	100.00%	1.000	0.057	0.14	13.82	14.00	1.042	0.059	22.4
Head Test Data of U-NII-3 SET_3(Simultaneous)											
Left cheek	802.11a	165/5825	100.00%	1.000	0.289	-0.18	13.58	14.00	1.102	0.318	22.3
Left tilted	802.11a	165/5825	100.00%	1.000	0.207	0.05	13.58	14.00	1.102	0.228	22.3
Right cheek	802.11a	165/5825	100.00%	1.000	0.091	-0.12	13.58	14.00	1.102	0.100	22.3
Right tilted	802.11a	165/5825	100.00%	1.000	0.074	0.05	13.58	14.00	1.102	0.082	22.3
Body worn Test data of U-NII-2A (Separate 10mm) SET_2											
Front side	802.11a	64/5320	100.00%	1.000	0.299	0.06	17.51	18.00	1.119	0.335	22.4
Back side	802.11a	64/5320	100.00%	1.000	0.522	0.09	17.51	18.00	1.119	0.584	22.4
Back side	802.11a	60/5300	100.00%	1.000	0.506	-0.03	17.46	18.00	1.132	0.573	22.4
Body worn Test data of U-NII-2C (Separate 10mm) SET_2											
Front side	802.11a	136/5680	100.00%	1.000	0.220	-0.18	16.91	18.00	1.285	0.283	22.4
Back side	802.11a	136/5680	100.00%	1.000	0.442	-0.05	16.91	18.00	1.285	0.568	22.4
Body worn Test data of U-NII-3 (Separate 10mm) SET_2											
Front side	802.11a	165/5825	100.00%	1.000	0.124	0.13	16.72	18.00	1.343	0.167	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.239	0.19	16.72	18.00	1.343	0.321	22.3
Body worn Test data of U-NII-2A (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11a	64/5320	100.00%	1.000	0.299	0.06	17.51	13.00	0.354	0.106	22.4
Back side	802.11a	64/5320	100.00%	1.000	0.522	0.09	17.51	13.00	0.354	0.185	22.4
Back side	802.11a	60/5300	100.00%	1.000	0.506	-0.03	17.46	13.00	0.358	0.181	22.4
Body worn Test data of U-NII-2C (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11a	136/5680	100.00%	1.000	0.220	-0.18	16.91	13.00	0.406	0.089	22.4
Back side	802.11a	136/5680	100.00%	1.000	0.442	-0.05	16.91	13.00	0.406	0.179	22.4
Body worn Test data of U-NII-3 (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11a	165/5825	100.00%	1.000	0.124	0.13	16.72	13.00	0.425	0.053	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.239	0.19	16.72	13.00	0.425	0.102	22.3
Hotspot Test data of U-NII-1 (Separate 10mm) SET_1											
Front side	802.11a	44/5220	100.00%	1.000	0.138	-0.15	17.49	18.00	1.125	0.155	22.4
Back side	802.11a	44/5220	100.00%	1.000	0.293	-0.12	17.49	18.00	1.125	0.330	22.4
Right side	802.11a	44/5220	100.00%	1.000	0.835	0.15	17.49	18.00	1.125	0.939	22.4
Right side	802.11a	40/5200	100.00%	1.000	0.802	-0.14	17.49	18.00	1.125	0.902	22.4

Top side	802.11a	44/5220	100.00%	1.000	0.141	-0.19	17.49	18.00	1.125	0.159	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) SET_1											
Front side	802.11a	165/5825	100.00%	1.000	0.124	0.13	16.72	18.00	1.343	0.167	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.409	0.19	16.72	18.00	1.343	0.549	22.3
Right side	802.11a	165/5825	100.00%	1.000	0.520	-0.06	16.72	18.00	1.343	0.698	22.3
Top side	802.11a	165/5825	100.00%	1.000	0.080	0.06	16.72	18.00	1.343	0.107	22.3
Hotspot Test data of U-NII-1 (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11a	44/5220	100.00%	1.000	0.138	-0.15	17.49	14.00	0.448	0.062	22.4
Back side	802.11a	44/5220	100.00%	1.000	0.293	-0.12	17.49	14.00	0.448	0.131	22.4
Right side	802.11a	44/5220	100.00%	1.000	0.835	0.15	17.49	14.00	0.448	0.374	22.4
Right side	802.11a	40/5200	100.00%	1.000	0.802	-0.14	17.49	14.00	0.448	0.359	22.4
Top side	802.11a	44/5220	100.00%	1.000	0.141	-0.19	17.49	14.00	0.448	0.063	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11a	165/5825	100.00%	1.000	0.124	0.13	16.72	14.00	0.535	0.066	22.3
Back side	802.11a	165/5825	100.00%	1.000	0.239	0.19	16.72	14.00	0.535	0.128	22.3
Right side	802.11a	165/5825	100.00%	1.000	0.520	-0.06	16.72	14.00	0.535	0.278	22.3
Top side	802.11a	165/5825	100.00%	1.000	0.080	0.06	16.72	14.00	0.535	0.043	22.3
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) SET_1											
Front side	802.11a	64/5320	100.00%	1.000	0.587	0.01	17.51	18.00	1.119	0.657	22.4
Back side	802.11a	64/5320	100.00%	1.000	0.620	0.13	17.51	18.00	1.119	0.694	22.4
Right side	802.11a	64/5320	100.00%	1.000	1.800	-0.12	17.51	18.00	1.119	2.014	22.4
Right side	802.11a	60/5300	100.00%	1.000	2.100	0.01	17.46	18.00	1.132	2.377	22.4
Top side	802.11a	64/5320	100.00%	1.000	0.522	0.19	17.51	18.00	1.119	0.584	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) SET_1											
Front side	802.11a	116/5580	100.00%	1.000	0.404	-0.05	16.91	18.00	1.285	0.519	22.4
Back side	802.11a	116/5580	100.00%	1.000	0.377	0.05	16.91	18.00	1.285	0.484	22.4
Right side	802.11a	116/5580	100.00%	1.000	1.620	0.03	16.91	18.00	1.285	2.082	22.4
Right side	802.11a	100/5500	100.00%	1.000	1.770	0.07	16.91	18.00	1.285	2.274	22.4
Top side	802.11a	116/5580	100.00%	1.000	0.223	0.11	16.91	18.00	1.285	0.287	22.4
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 of U-NII-2A SET_0											
Left cheek	802.11ac VHT80	58/5290	100.00%	1.000	0.537	-0.03	16.05	17.00	1.243	0.667	22.4
Left tilted	802.11ac VHT80	58/5290	100.00%	1.000	0.361	0.10	16.05	17.00	1.243	0.449	22.4
Right cheek	802.11ac VHT80	58/5290	100.00%	1.000	0.238	0.08	16.05	17.00	1.243	0.296	22.4
Right tilted	802.11ac VHT80	58/5290	100.00%	1.000	0.249	-0.09	16.05	17.00	1.243	0.310	22.4
Head Test Data of U-NII-2C SET_0											
Left cheek	802.11ac VHT80	122/5610	100.00%	1.000	0.517	-0.18	15.96	17.00	1.269	0.656	22.4
Left tilted	802.11ac VHT80	122/5610	100.00%	1.000	0.432	-0.15	15.96	17.00	1.269	0.548	22.4
Right cheek	802.11ac VHT80	122/5610	100.00%	1.000	0.239	-0.19	15.96	17.00	1.269	0.303	22.4
Right tilted	802.11ac VHT80	122/5610	100.00%	1.000	0.217	0.05	15.96	17.00	1.269	0.275	22.4
Head Test Data of U-NII-3 SET_0											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.362	0.03	15.59	17.00	1.385	0.501	22.3
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.319	0.10	15.59	17.00	1.385	0.442	22.3
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.208	0.08	15.59	17.00	1.385	0.288	22.3
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.213	0.07	15.59	17.00	1.385	0.295	22.3

Head Test Data of U-NII-2A SET_3(Simultaneous)											
Left cheek	802.11ac VHT80	58/5290	100.00%	1.000	0.537	-0.03	16.05	16.00	0.988	0.531	22.4
Left tilted	802.11ac VHT80	58/5290	100.00%	1.000	0.361	0.10	16.05	16.00	0.988	0.357	22.4
Right cheek	802.11ac VHT80	58/5290	100.00%	1.000	0.238	0.08	16.05	16.00	0.988	0.235	22.4
Right tilted	802.11ac VHT80	58/5290	100.00%	1.000	0.249	-0.09	16.05	16.00	0.988	0.246	22.4
Head Test Data of U-NII-2C SET_3(Simultaneous)											
Left cheek	802.11ac VHT80	122/5610	100.00%	1.000	0.517	-0.18	15.96	16.00	1.008	0.521	22.4
Left tilted	802.11ac VHT80	122/5610	100.00%	1.000	0.432	-0.15	15.96	16.00	1.008	0.435	22.4
Right cheek	802.11ac VHT80	122/5610	100.00%	1.000	0.239	-0.19	15.96	16.00	1.008	0.241	22.4
Right tilted	802.11ac VHT80	122/5610	100.00%	1.000	0.217	0.05	15.96	16.00	1.008	0.219	22.4
Head Test Data of U-NII-3 SET_3(Simultaneous)											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.362	0.03	15.59	16.00	1.100	0.398	22.3
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.319	0.10	15.59	16.00	1.100	0.351	22.3
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.208	0.08	15.59	16.00	1.100	0.229	22.3
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.213	0.07	15.59	16.00	1.100	0.234	22.3
Body worn Test data of U-NII-2A (Separate 10mm) SET_2											
Front side	802.11n HT20	64/5320	100.00%	1.000	0.279	0.14	19.39	20.00	1.152	0.321	22.4
Back side	802.11n HT20	64/5320	100.00%	1.000	0.436	0.11	19.39	20.00	1.152	0.502	22.4
Body worn Test data of U-NII-2C (Separate 10mm) SET_2											
Front side	802.11n HT20	124/5620	100.00%	1.000	0.263	0.10	19.02	20.00	1.254	0.330	22.4
Back side	802.11n HT20	124/5620	100.00%	1.000	0.415	0.09	19.02	20.00	1.254	0.520	22.4
Body worn Test data of U-NII-3 (Separate 10mm) SET_2											
Front side	802.11n HT20	165/5825	100.00%	1.000	0.150	-0.01	19.28	20.00	1.181	0.177	22.3
Back side	802.11n HT20	165/5825	100.00%	1.000	0.420	0.04	19.28	20.00	1.181	0.496	22.3
Body worn Test data of U-NII-2A (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11n HT20	64/5320	100.00%	1.000	0.279	0.14	19.39	15.00	0.364	0.102	22.4
Back side	802.11n HT20	64/5320	100.00%	1.000	0.436	0.11	19.39	15.00	0.364	0.159	22.4
Body worn Test data of U-NII-2C (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11n HT20	124/5620	100.00%	1.000	0.263	0.10	19.02	15.00	0.397	0.104	22.4
Back side	802.11n HT20	124/5620	100.00%	1.000	0.415	0.09	19.02	15.00	0.397	0.165	22.4
Body worn Test data of U-NII-3 (Separate 10mm) SET_5(Simultaneous)											
Front side	802.11n HT20	165/5825	100.00%	1.000	0.150	-0.01	19.28	15.00	0.374	0.056	22.3
Back side	802.11n HT20	165/5825	100.00%	1.000	0.420	0.04	19.28	15.00	0.374	0.157	22.3
Hotspot Test data of U-NII-1 (Separate 10mm) SET_1											
Front side	802.11n HT20	48/5240	100.00%	1.000	0.233	-0.19	19.18	20.00	1.207	0.281	22.4
Back side	802.11n HT20	48/5240	100.00%	1.000	0.461	-0.08	19.18	20.00	1.207	0.556	22.4
Right side	802.11n HT20	48/5240	100.00%	1.000	0.727	-0.02	19.18	20.00	1.207	0.877	22.4
Right side	802.11n HT20	40/5200	100.00%	1.000	0.706	-0.19	19.11	20.00	1.227	0.866	22.4
Top side	802.11n HT20	48/5240	100.00%	1.000	0.232	0.19	19.18	20.00	1.207	0.280	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) SET_1											
Front side	802.11n HT20	165/5825	100.00%	1.000	0.150	-0.01	19.28	20.00	1.181	0.177	22.3
Back side	802.11n HT20	165/5825	100.00%	1.000	0.420	0.04	19.28	20.00	1.181	0.496	22.3
Right side	802.11n HT20	165/5825	100.00%	1.000	0.431	-0.17	19.28	20.00	1.181	0.509	22.3
Top side	802.11n HT20	165/5825	100.00%	1.000	0.207	-0.09	19.28	20.00	1.181	0.244	22.3
Hotspot Test data of U-NII-1 (Separate 10mm) SET_4(Simultaneous)											
Front side	802.11n HT20	48/5240	100.00%	1.000	0.233	-0.19	19.18	12.00	0.191	0.045	22.4
Back side	802.11n HT20	48/5240	100.00%	1.000	0.461	-0.08	19.18	12.00	0.191	0.088	22.4
Right side	802.11n HT20	48/5240	100.00%	1.000	0.727	-0.02	19.18	12.00	0.191	0.139	22.4
Right side	802.11n HT20	40/5200	100.00%	1.000	0.706	-0.19	19.11	12.00	0.195	0.138	22.4
Top side	802.11n HT20	48/5240	100.00%	1.000	0.232	0.19	19.18	12.00	0.191	0.044	22.4
Hotspot Test data of U-NII-3 (Separate 10mm) SET_4(Simultaneous)											

Front side	802.11n HT20	165/5825	100.00%	1.000	0.150	-0.01	19.28	12.00	0.187	0.028	22.3
Back side	802.11n HT20	165/5825	100.00%	1.000	0.420	0.04	19.28	12.00	0.187	0.079	22.3
Right side	802.11n HT20	165/5825	100.00%	1.000	0.431	-0.17	19.28	12.00	0.187	0.081	22.3
Top side	802.11n HT20	165/5825	100.00%	1.000	0.207	-0.09	19.28	12.00	0.187	0.039	22.3
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) SET_1											
Front side	802.11n HT20	64/5320	100.00%	1.000	0.611	0.15	19.39	20.00	1.152	0.704	22.4
Back side	802.11n HT20	64/5320	100.00%	1.000	0.539	-0.15	19.39	20.00	1.152	0.621	22.4
Right side	802.11n HT20	64/5320	100.00%	1.000	1.620	-0.19	19.39	20.00	1.152	1.866	22.4
Top side	802.11n HT20	64/5320	100.00%	1.000	0.775	0.19	19.39	20.00	1.152	0.893	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) SET_1											
Front side	802.11n HT20	116/5580	100.00%	1.000	0.595	0.18	19.02	20.00	1.254	0.746	22.4
Back side	802.11n HT20	116/5580	100.00%	1.000	0.317	0.18	19.02	20.00	1.254	0.398	22.4
Right side	802.11n HT20	116/5580	100.00%	1.000	1.000	0.13	19.02	20.00	1.254	1.254	22.4
Top side	802.11n HT20	116/5580	100.00%	1.000	0.713	-0.11	19.02	20.00	1.254	0.894	22.4

10.3.35 SAR Result of WIFI 6E

Ant12 Test Record chain0												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	APD W/m ² (4cm ²)	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-5 SET_0												
Left cheek	802.11a	45/6175	100.00%	1.000	0.003	0.000	-0.05	10.42	12.00	1.439	0.004	22.8
Left tilted	802.11a	45/6175	100.00%	1.000	0.025	0.140	-0.07	10.42	12.00	1.439	0.036	22.8
Right cheek	802.11a	45/6175	100.00%	1.000	0.001	0.000	0.11	10.42	12.00	1.439	0.001	22.8
Right tilted	802.11a	45/6175	100.00%	1.000	0.018	0.101	-0.04	10.42	12.00	1.439	0.026	22.8
Head Test Data of U-NII-6 SET_0												
Left cheek	802.11a	105/6475	100.00%	1.000	0.004	0.000	0.06	10.32	12.00	1.472	0.006	22.8
Left tilted	802.11a	105/6475	100.00%	1.000	0.017	0.095	0.18	10.32	12.00	1.472	0.025	22.8
Right cheek	802.11a	105/6475	100.00%	1.000	0.001	0.000	-0.13	10.32	12.00	1.472	0.001	22.8
Right tilted	802.11a	105/6475	100.00%	1.000	0.013	0.073	0.13	10.32	12.00	1.472	0.019	22.8
Head Test Data of U-NII-7 SET_0												
Left cheek	802.11a	149/6695	100.00%	1.000	0.003	0.000	0.00	10.38	12.00	1.452	0.004	22.8
Left tilted	802.11a	149/6695	100.00%	1.000	0.020	0.112	-0.01	10.38	12.00	1.452	0.029	22.8
Right cheek	802.11a	149/6695	100.00%	1.000	0.001	0.000	-0.09	10.38	12.00	1.452	0.001	22.8
Right tilted	802.11a	149/6695	100.00%	1.000	0.014	0.078	-0.17	10.38	12.00	1.452	0.020	22.8
Head Test Data of U-NII-8 SET_0												
Left cheek	802.11a	209/6995	100.00%	1.000	0.004	0.000	0.14	10.36	12.00	1.459	0.006	22.8
Left tilted	802.11a	209/6995	100.00%	1.000	0.013	0.073	-0.12	10.36	12.00	1.459	0.019	22.8
Right cheek	802.11a	209/6995	100.00%	1.000	0.002	0.000	0.19	10.36	12.00	1.459	0.003	22.8
Right tilted	802.11a	209/6995	100.00%	1.000	0.009	0.050	0.12	10.36	12.00	1.459	0.013	22.8
Body worn Test data of U-NII-5 (Separate 10mm) SET_2												
Front side	802.11a	45/6175	100.00%	1.000	0.039	0.168	-0.04	11.35	13.00	1.462	0.057	22.8
Back side	802.11a	45/6175	100.00%	1.000	0.056	0.241	0.00	11.35	13.00	1.462	0.082	22.8
Body worn Test data of U-NII-6 (Separate 10mm) SET_2												
Front side	802.11a	105/6475	100.00%	1.000	0.037	0.159	0.01	11.26	13.00	1.493	0.055	22.8
Back side	802.11a	105/6475	100.00%	1.000	0.066	0.284	-0.04	11.26	13.00	1.493	0.099	22.8
Body worn Test data of U-NII-7 (Separate 10mm) SET_2												
Front side	802.11a	149/6695	100.00%	1.000	0.031	0.133	-0.14	11.38	13.00	1.452	0.045	22.8
Back side	802.11a	149/6695	100.00%	1.000	0.057	0.245	-0.08	11.38	13.00	1.452	0.083	22.8
Body worn Test data of U-NII-8 (Separate 10mm) SET_2												
Front side	802.11a	209/6995	100.00%	1.000	0.028	0.120	0.18	11.23	13.00	1.503	0.042	22.8
Back side	802.11a	209/6995	100.00%	1.000	0.055	0.237	0.06	11.23	13.00	1.503	0.083	22.8
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	APD W/m ² (4cm ²)	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-5(Separate 0mm) SET_1												
Front side	802.11a	45/6175	100.00%	1.000	0.055	0.628	0.19	11.35	13.00	1.462	0.080	22.8
Back side	802.11a	45/6175	100.00%	1.000	0.075	1.000	0.11	11.35	13.00	1.462	0.110	22.8
Right side	802.11a	45/6175	100.00%	1.000	0.015	0.176	0.09	11.35	13.00	1.462	0.022	22.8
Top side	802.11a	45/6175	100.00%	1.000	0.100	1.380	0.05	11.35	13.00	1.462	0.146	22.8
Product specific 10gSAR Test data of U-NII-6 (Separate 0mm) SET_1												
Front side	802.11a	105/6475	100.00%	1.000	0.019	0.285	0.12	11.26	13.00	1.493	0.028	22.8
Back side	802.11a	105/6475	100.00%	1.000	0.079	1.040	0.14	11.26	13.00	1.493	0.118	22.8
Right side	802.11a	105/6475	100.00%	1.000	0.014	0.219	0.11	11.26	13.00	1.493	0.021	22.8
Top side	802.11a	105/6475	100.00%	1.000	0.125	2.420	-0.16	11.26	13.00	1.493	0.187	22.8
Product specific 10gSAR Test data of U-NII-7 (Separate 0mm) SET_1												

Front side	802.11a	149/6695	100.00%	1.000	0.030	0.395	0.08	11.38	13.00	1.452	0.044	22.8
Back side	802.11a	149/6695	100.00%	1.000	0.052	0.842	0.18	11.38	13.00	1.452	0.076	22.8
Right side	802.11a	149/6695	100.00%	1.000	0.006	0.000	-0.19	11.38	13.00	1.452	0.009	22.8
Top side	802.11a	149/6695	100.00%	1.000	0.098	1.340	0.04	11.38	13.00	1.452	0.142	22.8
Product specific 10gSAR Test data of U-NII-8 (Separate 0mm) SET_1												
Front side	802.11a	209/6995	100.00%	1.000	0.019	0.281	0.01	11.23	13.00	1.503	0.029	22.8
Back side	802.11a	209/6995	100.00%	1.000	0.025	0.404	0.03	11.23	13.00	1.503	0.038	22.8
Right side	802.11a	209/6995	100.00%	1.000	0.005	0.000	0.19	11.23	13.00	1.503	0.008	22.8
Top side	802.11a	209/6995	100.00%	1.000	0.046	0.823	-0.12	11.23	13.00	1.503	0.069	22.8
Ant9 Test Record chain0												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	APD W/m ² (4cm ²)	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-5 SET_0												
Left cheek	802.11a	45/6175	100.00%	1.000	0.099	0.554	0.08	11.06	12.00	1.242	0.123	22.8
Left tilted	802.11a	45/6175	100.00%	1.000	0.085	0.476	-0.17	11.06	12.00	1.242	0.106	22.8
Right cheek	802.11a	45/6175	100.00%	1.000	0.063	0.352	0.06	11.06	12.00	1.242	0.078	22.8
Right tilted	802.11a	45/6175	100.00%	1.000	0.044	0.246	0.10	11.06	12.00	1.242	0.055	22.8
Head Test Data of U-NII-6 SET_0												
Left cheek	802.11a	105/6475	100.00%	1.000	0.029	0.162	-0.05	10.51	12.00	1.409	0.041	22.8
Left tilted	802.11a	105/6475	100.00%	1.000	0.018	0.101	-0.15	10.51	12.00	1.409	0.025	22.8
Right cheek	802.11a	105/6475	100.00%	1.000	0.021	0.117	-0.08	10.51	12.00	1.409	0.030	22.8
Right tilted	802.11a	105/6475	100.00%	1.000	0.017	0.095	0.00	10.51	12.00	1.409	0.024	22.8
Head Test Data of U-NII-7 SET_0												
Left cheek	802.11a	149/6695	100.00%	1.000	0.031	0.173	0.15	10.56	12.00	1.393	0.043	22.8
Left tilted	802.11a	149/6695	100.00%	1.000	0.021	0.117	-0.01	10.56	12.00	1.393	0.029	22.8
Right cheek	802.11a	149/6695	100.00%	1.000	0.027	0.151	0.17	10.56	12.00	1.393	0.038	22.8
Right tilted	802.11a	149/6695	100.00%	1.000	0.018	0.101	-0.16	10.56	12.00	1.393	0.025	22.8
Head Test Data of U-NII-8 SET_0												
Left cheek	802.11a	209/6995	100.00%	1.000	0.017	0.095	-0.10	10.61	12.00	1.377	0.023	22.8
Left tilted	802.11a	209/6995	100.00%	1.000	0.011	0.062	-0.11	10.61	12.00	1.377	0.015	22.8
Right cheek	802.11a	209/6995	100.00%	1.000	0.014	0.078	0.06	10.61	12.00	1.377	0.019	22.8
Right tilted	802.11a	209/6995	100.00%	1.000	0.008	0.045	0.01	10.61	12.00	1.377	0.011	22.8
Body worn Test data of U-NII-5 (Separate 10mm) SET_2												
Front side	802.11a	45/6175	100.00%	1.000	0.033	0.142	0.15	11.55	13.00	1.396	0.046	22.8
Back side	802.11a	45/6175	100.00%	1.000	0.059	0.254	-0.04	11.55	13.00	1.396	0.082	22.8
Body worn Test data of U-NII-6 (Separate 10mm) SET_2												
Front side	802.11a	105/6475	100.00%	1.000	0.026	0.112	-0.19	11.56	13.00	1.393	0.036	22.8
Back side	802.11a	105/6475	100.00%	1.000	0.050	0.215	-0.04	11.56	13.00	1.393	0.070	22.8
Body worn Test data of U-NII-7 (Separate 10mm) SET_2												
Front side	802.11a	149/6695	100.00%	1.000	0.032	0.138	0.15	11.49	13.00	1.416	0.045	22.8
Back side	802.11a	149/6695	100.00%	1.000	0.049	0.211	-0.19	11.49	13.00	1.416	0.069	22.8
Body worn Test data of U-NII-8 (Separate 10mm) SET_2												
Front side	802.11a	209/6995	100.00%	1.000	0.023	0.099	0.13	11.35	13.00	1.462	0.034	22.8
Back side	802.11a	209/6995	100.00%	1.000	0.045	0.194	-0.19	11.35	13.00	1.462	0.066	22.8
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	APD W/m ² (4cm ²)	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-5 (Separate 0mm)												
Front side	802.11a	45/6175	100.00%	1.000	0.031	0.452	-0.05	11.55	13.00	1.396	0.043	22.8
Back side	802.11a	45/6175	100.00%	1.000	0.021	0.309	-0.02	11.55	13.00	1.396	0.029	22.8

Right side	802.11a	45/6175	100.00%	1.000	0.134	3.330	-0.08	11.55	13.00	1.396	0.187	22.8
Top side	802.11a	45/6175	100.00%	1.000	0.037	0.647	0.10	11.55	13.00	1.396	0.052	22.8
Product specific 10gSAR Test data of U-NII-6 (Separate 0mm) SET_1												
Front side	802.11a	105/6475	100.00%	1.000	0.018	0.295	-0.05	11.56	13.00	1.393	0.025	22.8
Back side	802.11a	105/6475	100.00%	1.000	0.012	0.205	0.06	11.56	13.00	1.393	0.017	22.8
Right side	802.11a	105/6475	100.00%	1.000	0.112	2.150	0.11	11.56	13.00	1.393	0.156	22.8
Top side	802.11a	105/6475	100.00%	1.000	0.017	0.328	-0.06	11.56	13.00	1.393	0.024	22.8
Product specific 10gSAR Test data of U-NII-7 (Separate 0mm) SET_1												
Front side	802.11a	149/6695	100.00%	1.000	0.011	0.186	0.08	11.49	13.00	1.416	0.016	22.8
Back side	802.11a	149/6695	100.00%	1.000	0.013	0.247	-0.05	11.49	13.00	1.416	0.018	22.8
Right side	802.11a	149/6695	100.00%	1.000	0.049	0.856	-0.13	11.49	13.00	1.416	0.069	22.8
Top side	802.11a	149/6695	100.00%	1.000	0.015	0.395	-0.08	11.49	13.00	1.416	0.021	22.8
Product specific 10gSAR Test data of U-NII-8 (Separate 0mm) SET_1												
Front side	802.11a	209/6995	100.00%	1.000	0.013	0.205	-0.08	11.35	13.00	1.462	0.019	22.8
Back side	802.11a	209/6995	100.00%	1.000	0.007	0.181	-0.10	11.35	13.00	1.462	0.010	22.8
Right side	802.11a	209/6995	100.00%	1.000	0.051	0.871	0.11	11.35	13.00	1.462	0.075	22.8
Top side	802.11a	209/6995	100.00%	1.000	0.010	0.186	0.10	11.35	13.00	1.462	0.015	22.8
MIMO Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	APD W/m ² (4cm ²)	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-5 SET_0												
Left cheek	802.11ax 20M	45/6175	100.00%	1.000	0.138	0.772	0.08	13.74	15.00	1.337	0.185	22.8
Left tilted	802.11ax 20M	45/6175	100.00%	1.000	0.134	0.750	0.17	13.74	15.00	1.337	0.179	22.8
Right cheek	802.11ax 20M	45/6175	100.00%	1.000	0.094	0.526	0.00	13.74	15.00	1.337	0.126	22.8
Right tilted	802.11ax 20M	45/6175	100.00%	1.000	0.087	0.487	-0.18	13.74	15.00	1.337	0.116	22.8
Head Test Data of U-NII-6 SET_0												
Left cheek	802.11ax 20M	105/6475	100.00%	1.000	0.040	0.224	-0.18	13.27	15.00	1.489	0.060	22.8
Left tilted	802.11ax 20M	105/6475	100.00%	1.000	0.024	0.134	0.18	13.27	15.00	1.489	0.036	22.8
Right cheek	802.11ax 20M	105/6475	100.00%	1.000	0.028	0.157	-0.16	13.27	15.00	1.489	0.042	22.8
Right tilted	802.11ax 20M	105/6475	100.00%	1.000	0.020	0.112	0.12	13.27	15.00	1.489	0.030	22.8
Head Test Data of U-NII-7 SET_0												
Left cheek	802.11ax 20M	149/6695	100.00%	1.000	0.038	0.213	0.03	13.35	15.00	1.462	0.056	22.8
Left tilted	802.11ax 20M	149/6695	100.00%	1.000	0.025	0.140	0.17	13.35	15.00	1.462	0.037	22.8
Right cheek	802.11ax 20M	149/6695	100.00%	1.000	0.031	0.173	-0.01	13.35	15.00	1.462	0.045	22.8
Right tilted	802.11ax 20M	149/6695	100.00%	1.000	0.021	0.117	-0.14	13.35	15.00	1.462	0.031	22.8
Head Test Data of U-NII-8 SET_0												
Left cheek	802.11ax 20M	209/6995	100.00%	1.000	0.021	0.117	-0.07	13.31	15.00	1.476	0.031	22.8
Left tilted	802.11ax 20M	209/6995	100.00%	1.000	0.019	0.106	-0.05	13.31	15.00	1.476	0.028	22.8
Right cheek	802.11ax 20M	209/6995	100.00%	1.000	0.020	0.112	-0.13	13.31	15.00	1.476	0.030	22.8
Right tilted	802.11ax 20M	209/6995	100.00%	1.000	0.017	0.095	-0.09	13.31	15.00	1.476	0.025	22.8
Body worn Test data of U-NII-5 (Separate 10mm) SET_2												
Front side	802.11ax 20M	45/6175	100.00%	1.000	0.087	0.374	0.06	13.74	15.00	1.337	0.116	22.8
Back side	802.11ax 20M	45/6175	100.00%	1.000	0.109	0.469	0.07	13.74	15.00	1.337	0.146	22.8
Body worn Test data of U-NII-6 (Separate 10mm) SET_2												
Front side	802.11ax 20M	105/6475	100.00%	1.000	0.066	0.284	0.03	13.27	15.00	1.489	0.098	22.8
Back side	802.11ax 20M	105/6475	100.00%	1.000	0.087	0.374	0.00	13.27	15.00	1.489	0.130	22.8
Body worn Test data of U-NII-7 (Separate 10mm) SET_2												
Front side	802.11ax 20M	149/6695	100.00%	1.000	0.052	0.224	0.01	13.35	15.00	1.462	0.076	22.8
Back side	802.11ax 20M	149/6695	100.00%	1.000	0.086	0.370	0.11	13.35	15.00	1.462	0.126	22.8
Body worn Test data of U-NII-8 (Separate 10mm) SET_2												

Front side	802.11ax 20M	209/6995	100.00%	1.000	0.069	0.297	0.19	13.31	15.00	1.476	0.102	22.8
Back side	802.11ax 20M	209/6995	100.00%	1.000	0.078	0.336	-0.10	13.31	15.00	1.476	0.115	22.8
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	APD W/m ² (4cm ²)	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-5 (Separate 0mm)												
Front side	802.11ax 20M	45/6175	100.00%	1.000	0.061	1.480	-0.08	13.74	15.00	1.337	0.082	22.8
Back side	802.11ax 20M	45/6175	100.00%	1.000	0.092	1.920	-0.05	13.74	15.00	1.337	0.123	22.8
Right side	802.11ax 20M	45/6175	100.00%	1.000	0.188	4.510	-0.02	13.74	15.00	1.337	0.251	22.8
Top side	802.11ax 20M	45/6175	100.00%	1.000	0.113	1.920	0.00	13.74	15.00	1.337	0.151	22.8
Product specific 10gSAR Test data of U-NII-6 (Separate 0mm) SET_1												
Front side	802.11ax 20M	105/6475	100.00%	1.000	0.019	0.695	0.17	13.27	15.00	1.489	0.028	22.8
Back side	802.11ax 20M	105/6475	100.00%	1.000	0.083	1.670	-0.18	13.27	15.00	1.489	0.124	22.8
Right side	802.11ax 20M	105/6475	100.00%	1.000	0.142	3.250	0.02	13.27	15.00	1.489	0.211	22.8
Top side	802.11ax 20M	105/6475	100.00%	1.000	0.137	2.840	-0.02	13.27	15.00	1.489	0.204	22.8
Product specific 10gSAR Test data of U-NII-7 (Separate 0mm) SET_1												
Front side	802.11ax 20M	149/6695	100.00%	1.000	0.031	0.399	-0.01	13.35	15.00	1.462	0.045	22.8
Back side	802.11ax 20M	149/6695	100.00%	1.000	0.063	0.971	-0.11	13.35	15.00	1.462	0.092	22.8
Right side	802.11ax 20M	149/6695	100.00%	1.000	0.106	1.520	-0.17	13.35	15.00	1.462	0.155	22.8
Top side	802.11ax 20M	149/6695	100.00%	1.000	0.101	1.440	-0.07	13.35	15.00	1.462	0.148	22.8
Product specific 10gSAR Test data of U-NII-8 (Separate 0mm) SET_1												
Front side	802.11ax 20M	209/6995	100.00%	1.000	0.028	0.452	0.08	13.31	15.00	1.476	0.041	22.8
Back side	802.11ax 20M	209/6995	100.00%	1.000	0.033	0.728	-0.10	13.31	15.00	1.476	0.049	22.8
Right side	802.11ax 20M	209/6995	100.00%	1.000	0.059	1.390	0.05	13.31	15.00	1.476	0.087	22.8
Top side	802.11ax 20M	209/6995	100.00%	1.000	0.051	1.050	0.18	13.31	15.00	1.476	0.075	22.8

10.3.36 SAR Result of BT

Bluetooth SAR Test Record											
Ant9 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 SET_0											
Left cheek	DH5	78/2480	77.00%	1.299	0.031	0.03	12.23	13.00	1.194	0.048	22.5
Left tilted	DH5	78/2480	77.00%	1.299	0.058	0.01	12.23	13.00	1.194	0.090	22.5
Right cheek	DH5	78/2480	77.00%	1.299	0.012	-0.04	12.23	13.00	1.194	0.019	22.5
Right tilted	DH5	78/2480	77.00%	1.299	0.006	-0.09	12.23	13.00	1.194	0.009	22.5
Body worn Test data (Separate 10mm) SET_2											
Front side	DH5	78/2480	77.00%	1.299	0.003	0.01	12.23	13.00	1.194	0.005	22.5
Back side	DH5	78/2480	77.00%	1.299	0.015	0.03	12.23	13.00	1.194	0.023	22.5
Hotspot Test data (Separate 10mm) SET_1											
Front side	DH5	78/2480	77.00%	1.299	0.003	0.01	12.23	13.00	1.194	0.005	22.5
Back side	DH5	78/2480	77.00%	1.299	0.015	0.03	12.23	13.00	1.194	0.023	22.5
Right side	DH5	78/2480	77.00%	1.299	0.006	0.07	12.23	13.00	1.194	0.009	22.5
Top side	DH5	78/2480	77.00%	1.299	0.021	-0.01	12.23	13.00	1.194	0.033	22.5

10.3.37 SAR Result of NFC

NFC SAR Test Record									
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	Power drift (dB)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
NFC Test data (Separate 0mm)									
Front side	NFC	13.56MHz	100.00%	1.000	0.000	0.00	1.000	0.000	22.7
Back side	NFC	13.56MHz	100.00%	1.000	0.006	-0.14	1.000	0.006	22.7
Left side	NFC	13.56MHz	100.00%	1.000	0.000	0.00	1.000	0.000	22.7
Right side	NFC	13.56MHz	100.00%	1.000	0.000	0.00	1.000	0.000	22.7
Top side	NFC	13.56MHz	100.00%	1.000	0.000	0.00	1.000	0.000	22.7
Bottom side	NFC	13.56MHz	100.00%	1.000	0.000	0.00	1.000	0.000	22.7

10.4 Measurement of PD Data

10.4.1 PD Result of WIFI 6E

Wi-Fi 6E PD Test Record siso Ant 12															
Test position	Test mode	Test ch./Freq.	Distance (mm)	Grid Step (λ)	Duty Cycle	Duty Cycle Scaled factor	iPDn	iPD ratio	Measured PD 4cm ² (W/m ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaling Factor for measurement uncertainty	Tune up Scaled factor	Scaled PD 4cm ² (W/m ²)
Power Density Test DATA															
Front side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	0.835	0.08	11.35	13.00	1.5493	1.462	1.891
Back side	802.11a	45/6175	2	0.0625	100.00%	1	20.9	-0.53	2.81	-0.06	11.35	13.00	1.5493	1.462	6.364
Back side	802.11a	45/6175	9.7	0.0625	100.00%	1	23.6		0.693	-0.01	11.35	13.00	1.5493	1.462	1.569
Left side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	0.330	0.06	11.35	13.00	1.5493	1.462	0.747
Right side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	1.13	0.04	11.35	13.00	1.5493	1.462	2.559
Top side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	1.66	0.09	11.35	13.00	1.5493	1.462	3.759
Bottom side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	0.410	0.04	11.35	13.00	1.5493	1.462	0.929
Back side	802.11a	105/6475	2	0.0625	100.00%	1	/	/	3.88	0.14	11.26	13.00	1.5493	1.493	8.973
Back side	802.11a	149/6695	2	0.0625	100.00%	1	/	/	2.35	-0.06	11.38	13.00	1.5493	1.452	5.285
Back side	802.11a	209/6995	2	0.0625	100.00%	1	/	/	1.73	0.04	11.23	13.00	1.5493	1.503	4.028
Back side	802.11a	181/6855	2	0.0625	100.00%	1	/	/	2.60	0.09	11.26	13.00	1.5493	1.493	6.013
Wi-Fi 6E PD Test Record siso Ant 10															
Test position	Test mode	Test ch./Freq.	Distance (mm)	Grid Step (λ)	Duty Cycle	Duty Cycle Scaled factor	iPDn	iPD ratio	Measured PD 4cm ² (W/m ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaling Factor for measurement uncertainty	Tune up Scaled factor	Scaled PD 4cm ² (W/m ²)
Power Density Test DATA															
Front side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	0.901	-0.08	11.55	13.00	1.5493	1.396	1.948
Back side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	2.38	0.01	11.55	13.00	1.5493	1.396	5.147
Left side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	0.320	0.09	11.55	13.00	1.5493	1.396	0.692
Right side	802.11a	45/6175	2	0.0625	100.00%	1	19.2	-0.55	3.71	-0.03	11.55	13.00	1.5493	1.396	8.023
Right side	802.11a	45/6175	9.7	0.0625	100.00%	1	21.8		0.993	-0.01	11.55	13.00	1.5493	1.396	2.147
Top side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	1.84	0.05	11.55	13.00	1.5493	1.396	3.979
Bottom side	802.11a	45/6175	2	0.0625	100.00%	1	/	/	0.514	-0.03	11.55	13.00	1.5493	1.396	1.111
Right side	802.11a	105/6475	2	0.0625	100.00%	1	/	/	4.32	0.07	11.56	13.00	1.5493	1.393	9.322
Right side	802.11a	149/6695	2	0.0625	100.00%	1	/	/	3.28	0.04	11.49	13.00	1.5493	1.416	7.194
Right side	802.11a	209/6995	2	0.0625	100.00%	1	/	/	1.89	-0.08	11.35	13.00	1.5493	1.462	4.280
Right side	802.11a	181/6855	2	0.0625	100.00%	1	/	/	2.86	-0.01	11.35	13.00	1.5493	1.462	6.477
Wi-Fi 6E PD Test Record MIMO															
Test position	Test mode	Test ch./Freq.	Distance (mm)	Grid Step (λ)	Duty Cycle	Duty Cycle Scaled factor	iPDn	iPD ratio	Measured PD 4cm ² (W/m ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaling Factor for measurement uncertainty	Tune up Scaled factor	Scaled PD 4cm ² (W/m ²)
Power Density Test DATA															
Front side	802.11ax 20M	45/6175	2	0.0625	100.00%	1	/	/	1.02	-0.03	13.74	15.00	1.5493	1.337	2.112
Back side	802.11ax 20M	45/6175	2	0.0625	100.00%	1	/	/	2.93	0.06	13.74	15.00	1.5493	1.337	6.068
Left side	802.11ax 20M	45/6175	2	0.0625	100.00%	1	/	/	0.352	0.04	13.74	15.00	1.5493	1.337	0.729
Right side	802.11ax 20M	45/6175	2	0.0625	100.00%	1	15.6	-0.65	2.69	-0.01	13.74	15.00	1.5493	1.337	5.571
Right side	802.11ax 20M	45/6175	9.7	0.0625	100.00%	1	18.1		0.830	-0.07	13.74	15.00	1.5493	1.337	1.719
Top side	802.11ax 20M	45/6175	2	0.0625	100.00%	1	/	/	1.99	-0.02	13.74	15.00	1.5493	1.337	4.121
Bottom side	802.11ax 20M	45/6175	2	0.0625	100.00%	1	/	/	0.595	0.01	13.74	15.00	1.5493	1.337	1.232
Right side	802.11ax 20M	105/6475	2	0.0625	100.00%	1	/	/	3.94	0.16	13.27	15.00	1.5493	1.489	9.087
Right side	802.11ax 20M	149/6695	2	0.0625	100.00%	1	/	/	3.13	-0.06	13.35	15.00	1.5493	1.462	7.088
Right side	802.11ax 20M	209/6995	2	0.0625	100.00%	1	/	/	2.15	0.08	13.31	15.00	1.5493	1.476	4.916
Right side	802.11ax 20M	1/5955	2	0.0625	100.00%	1	/	/	2.91	0.03	13.48	15.00	1.5493	1.419	6.396

10.5 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 50 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear.

Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

LTE Band 41 SAR testing with power class 2 at the highest power and available duty factor was additionally performed for the power class 3 configuration with the highest SAR for each exposure condition.

LTE Band 41 PC3&PC2 Ant 7 - Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.00	23.00
Reported 1g SAR (W/kg)	0.800	1.054
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	63.30	86.39
Linearity SAR (W/kg)	1.092	
% deviation from expected linearity		-3.47%

LTE Band 41 PC3&PC2 Ant 7 - Body worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	0.750	1.117
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	136.93
Linearity SAR (W/kg)	1.024	
% deviation from expected linearity		9.12%

LTE Band 41 PC3&PC2 Ant 7 - Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	0.750	1.117
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	136.93
Linearity SAR (W/kg)	1.024	
% deviation from expected linearity		9.12%

10.6 Multiple Transmitter Evaluation

10.6.1 Simultaneous SAR test evaluation

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	WWAN + BT	Yes	Yes	Yes	Yes
2	WWAN + WLAN 2.4G MIMO+ BT	Yes	Yes	Yes	Yes
3	WWAN + WLAN 5G/6G MIMO + BT	Yes	Yes	Yes	Yes
4	WWAN + WLAN2.4G Ant8+WLAN 5G/6G Ant10 + BT	Yes	Yes	Yes	Yes
5	WWAN + WLAN2.4G Ant8+WLAN 5G/6G Ant12 + BT	Yes	Yes	Yes	Yes
6	WWAN + WLAN2.4G Ant9+WLAN 5G/6G Ant10 + BT	Yes	Yes	Yes	Yes
7	WWAN + WLAN2.4G Ant9+WLAN 5G/6G Ant12 + BT	Yes	Yes	Yes	Yes
8	WWAN + BT+NFC	/	/	/	Yes
9	WWAN + WLAN 2.4G MIMO+ BT+NFC	/	/	/	Yes
10	WLAN 5G/6G MIMO+BT+NFC	/	/	/	Yes
11	WWAN + WLAN2.4G Ant8+WLAN 5G/6G Ant10 + BT+NFC	/	/	/	Yes
12	WWAN + WLAN2.4G Ant8+WLAN 5G/6G Ant12 + BT+NFC	/	/	/	Yes
13	WWAN + WLAN2.4G Ant9+WLAN 5G/6G Ant10 + BT+NFC	/	/	/	Yes
14	WWAN + WLAN2.4G Ant9+WLAN 5G/6G Ant12 + BT+NFC	/	/	/	Yes

10.6.2 Simultaneous Transmission SAR Summation Scenario

Head:

Test position		SARmax (W/kg)										
		WWAM	WiFi 2.4G Ant8(chain0)	WiFi 2.4G Ant9(chain1)	WiFi 2.4G MIMO	WiFi 5G Ant12(chain0)	WiFi 5G Ant10(chain1)	WiFi 5G MIMO	WiFi 6E Ant12(chain0)	WiFi 6E Ant10(chain1)	WiFi 6E MIMO	BT
		1	2	3	4	5	6	7	8	9	10	11
GSM850	Left cheek	0.136	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.071	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.164	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.078	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
GSM1900	Left cheek	0.336	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.385	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.562	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.513	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
WCDMA II	Left cheek	0.674	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.768	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.187	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	1.012	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
WCDMA IV	Left cheek	0.680	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.750	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.154	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	1.009	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
WCDMA V	Left cheek	0.065	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.025	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.098	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.049	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B7	Left cheek	0.236	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.161	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.622	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.294	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B12(17)	Left cheek	0.162	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.046	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.197	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.123	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B13	Left cheek	0.125	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.083	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.226	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.134	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B14	Left cheek	0.169	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.115	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.204	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.126	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B25(2)	Left cheek	0.601	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.676	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.988	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.882	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B26(5)	Left cheek	0.098	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.045	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.162	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.087	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B30	Left cheek	0.331	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048

	Left tilted	0.154	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.079	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.352	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B41(38)	Left cheek	0.253	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.166	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.054	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.383	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B42	Left cheek	0.169	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.140	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.758	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.353	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B48	Left cheek	0.225	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.170	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.060	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.427	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B66(4)	Left cheek	0.652	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.703	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.078	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.954	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
LTE B71	Left cheek	0.142	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.068	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.191	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.076	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n7	Left cheek	0.220	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.150	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.600	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.283	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n12	Left cheek	0.114	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.058	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.157	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.074	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n14	Left cheek	0.137	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.079	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.201	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.099	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n25(2)	Left cheek	0.611	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.686	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.129	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.903	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n26(5)	Left cheek	0.082	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.041	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.099	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.074	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n30	Left cheek	0.219	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.096	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.726	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.238	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n41 PC1.5 (38)	Left cheek	0.548	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.284	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.940	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.282	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009

5G n48	Left cheek	0.234	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.198	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.056	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.519	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n66	Left cheek	0.656	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.739	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.115	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.954	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n70	Left cheek	0.625	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.709	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.068	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.919	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n71	Left cheek	0.149	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.067	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.117	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.065	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
5G n77(78)	Left cheek	0.259	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.213	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.997	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.494	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009

Test position		Summed SAR										
		1+4+11	1+7+11	1+10+11	1+2+5+11	1+2+6+11	1+2+8+11	1+2+9+11	1+3+5+11	1+3+6+11	1+3+8+11	1+3+9+11
GSM850	Left cheek	0.220	0.715	0.369	0.951	0.750	0.232	0.349	0.970	0.769	0.251	0.368
	Left tilted	0.199	0.596	0.340	0.806	0.433	0.241	0.311	0.774	0.401	0.209	0.279
	Right cheek	0.206	0.424	0.309	0.477	0.337	0.204	0.279	0.493	0.353	0.220	0.295
	Right tilted	0.105	0.333	0.203	0.359	0.187	0.131	0.160	0.349	0.177	0.121	0.150
GSM1900	Left cheek	0.420	0.915	0.569	1.151	0.950	0.432	0.549	1.170	0.969	0.451	0.568
	Left tilted	0.513	0.910	0.654	1.120	0.747	0.555	0.625	1.088	0.715	0.523	0.593
	Right cheek	0.604	0.822	0.707	0.875	0.735	0.602	0.677	0.891	0.751	0.618	0.693
	Right tilted	0.540	0.768	0.638	0.794	0.622	0.566	0.595	0.784	0.612	0.556	0.585
WCDMA II	Left cheek	0.758	1.253	0.907	1.489	1.288	0.770	0.887	1.508	1.307	0.789	0.906
	Left tilted	0.896	1.293	1.037	1.503	1.130	0.938	1.008	1.471	1.098	0.906	0.976
	Right cheek	1.229	1.447	1.332	1.500	1.360	1.227	1.302	1.516	1.376	1.243	1.318
	Right tilted	1.039	1.267	1.137	1.293	1.121	1.065	1.094	1.283	1.111	1.055	1.084
WCDMA IV	Left cheek	0.764	1.259	0.913	1.495	1.294	0.776	0.893	1.514	1.313	0.795	0.912
	Left tilted	0.878	1.275	1.019	1.485	1.112	0.920	0.990	1.453	1.080	0.888	0.958
	Right cheek	1.196	1.414	1.299	1.467	1.327	1.194	1.269	1.483	1.343	1.210	1.285
	Right tilted	1.036	1.264	1.134	1.290	1.118	1.062	1.091	1.280	1.108	1.052	1.081
WCDMA V	Left cheek	0.149	0.644	0.298	0.880	0.679	0.161	0.278	0.899	0.698	0.180	0.297
	Left tilted	0.153	0.550	0.294	0.760	0.387	0.195	0.265	0.728	0.355	0.163	0.233
	Right cheek	0.140	0.358	0.243	0.411	0.271	0.138	0.213	0.427	0.287	0.154	0.229
	Right tilted	0.076	0.304	0.174	0.330	0.158	0.102	0.131	0.320	0.148	0.092	0.121
LTE B7	Left cheek	0.320	0.815	0.469	1.051	0.850	0.332	0.449	1.070	0.869	0.351	0.468
	Left tilted	0.289	0.686	0.430	0.896	0.523	0.331	0.401	0.864	0.491	0.299	0.369
	Right cheek	0.664	0.882	0.767	0.935	0.795	0.662	0.737	0.951	0.811	0.678	0.753
	Right tilted	0.321	0.549	0.419	0.575	0.403	0.347	0.376	0.565	0.393	0.337	0.366
LTE B12(17)	Left cheek	0.246	0.741	0.395	0.977	0.776	0.258	0.375	0.996	0.795	0.277	0.394
	Left tilted	0.174	0.571	0.315	0.781	0.408	0.216	0.286	0.749	0.376	0.184	0.254
	Right cheek	0.239	0.457	0.342	0.510	0.370	0.237	0.312	0.526	0.386	0.253	0.328

	Right tilted	0.150	0.378	0.248	0.404	0.232	0.176	0.205	0.394	0.222	0.166	0.195
LTE B13	Left cheek	0.209	0.704	0.358	0.940	0.739	0.221	0.338	0.959	0.758	0.240	0.357
	Left tilted	0.211	0.608	0.352	0.818	0.445	0.253	0.323	0.786	0.413	0.221	0.291
	Right cheek	0.268	0.486	0.371	0.539	0.399	0.266	0.341	0.555	0.415	0.282	0.357
	Right tilted	0.161	0.389	0.259	0.415	0.243	0.187	0.216	0.405	0.233	0.177	0.206
LTE B14	Left cheek	0.253	0.748	0.402	0.984	0.783	0.265	0.382	1.003	0.802	0.284	0.401
	Left tilted	0.243	0.640	0.384	0.850	0.477	0.285	0.355	0.818	0.445	0.253	0.323
	Right cheek	0.246	0.464	0.349	0.517	0.377	0.244	0.319	0.533	0.393	0.260	0.335
	Right tilted	0.153	0.381	0.251	0.407	0.235	0.179	0.208	0.397	0.225	0.169	0.198
LTE B25(2)	Left cheek	0.685	1.180	0.834	1.416	1.215	0.697	0.814	1.435	1.234	0.716	0.833
	Left tilted	0.804	1.201	0.945	1.411	1.038	0.846	0.916	1.379	1.006	0.814	0.884
	Right cheek	1.030	1.248	1.133	1.301	1.161	1.028	1.103	1.317	1.177	1.044	1.119
	Right tilted	0.909	1.137	1.007	1.163	0.991	0.935	0.964	1.153	0.981	0.925	0.954
LTE B26(5)	Left cheek	0.182	0.677	0.331	0.913	0.712	0.194	0.311	0.932	0.731	0.213	0.330
	Left tilted	0.173	0.570	0.314	0.780	0.407	0.215	0.285	0.748	0.375	0.183	0.253
	Right cheek	0.204	0.422	0.307	0.475	0.335	0.202	0.277	0.491	0.351	0.218	0.293
	Right tilted	0.114	0.342	0.212	0.368	0.196	0.140	0.169	0.358	0.186	0.130	0.159
LTE B30	Left cheek	0.415	0.910	0.564	1.146	0.945	0.427	0.544	1.165	0.964	0.446	0.563
	Left tilted	0.282	0.679	0.423	0.889	0.516	0.324	0.394	0.857	0.484	0.292	0.362
	Right cheek	1.121	1.339	1.224	1.392	1.252	1.119	1.194	1.408	1.268	1.135	1.210
	Right tilted	0.379	0.607	0.477	0.633	0.461	0.405	0.434	0.623	0.451	0.395	0.424
LTE B41(38)	Left cheek	0.337	0.832	0.486	1.068	0.867	0.349	0.466	1.087	0.886	0.368	0.485
	Left tilted	0.294	0.691	0.435	0.901	0.528	0.336	0.406	0.869	0.496	0.304	0.374
	Right cheek	1.096	1.314	1.199	1.367	1.227	1.094	1.169	1.383	1.243	1.110	1.185
	Right tilted	0.410	0.638	0.508	0.664	0.492	0.436	0.465	0.654	0.482	0.426	0.455
LTE B42	Left cheek	0.253	0.748	0.402	0.984	0.783	0.265	0.382	1.003	0.802	0.284	0.401
	Left tilted	0.268	0.665	0.409	0.875	0.502	0.310	0.380	0.843	0.470	0.278	0.348
	Right cheek	0.800	1.018	0.903	1.071	0.931	0.798	0.873	1.087	0.947	0.814	0.889
	Right tilted	0.380	0.608	0.478	0.634	0.462	0.406	0.435	0.624	0.452	0.396	0.425
LTE B48	Left cheek	0.309	0.804	0.458	1.040	0.839	0.321	0.438	1.059	0.858	0.340	0.457
	Left tilted	0.298	0.695	0.439	0.905	0.532	0.340	0.410	0.873	0.500	0.308	0.378
	Right cheek	1.102	1.320	1.205	1.373	1.233	1.100	1.175	1.389	1.249	1.116	1.191
	Right tilted	0.454	0.682	0.552	0.708	0.536	0.480	0.509	0.698	0.526	0.470	0.499
LTE B66(4)	Left cheek	0.736	1.231	0.885	1.467	1.266	0.748	0.865	1.486	1.285	0.767	0.884
	Left tilted	0.831	1.228	0.972	1.438	1.065	0.873	0.943	1.406	1.033	0.841	0.911
	Right cheek	1.120	1.338	1.223	1.391	1.251	1.118	1.193	1.407	1.267	1.134	1.209
	Right tilted	0.981	1.209	1.079	1.235	1.063	1.007	1.036	1.225	1.053	0.997	1.026
LTE B71	Left cheek	0.226	0.721	0.375	0.957	0.756	0.238	0.355	0.976	0.775	0.257	0.374
	Left tilted	0.196	0.593	0.337	0.803	0.430	0.238	0.308	0.771	0.398	0.206	0.276
	Right cheek	0.233	0.451	0.336	0.504	0.364	0.231	0.306	0.520	0.380	0.247	0.322
	Right tilted	0.103	0.331	0.201	0.357	0.185	0.129	0.158	0.347	0.175	0.119	0.148
5G n7	Left cheek	0.304	0.799	0.453	1.035	0.834	0.316	0.433	1.054	0.853	0.335	0.452
	Left tilted	0.278	0.675	0.419	0.885	0.512	0.320	0.390	0.853	0.480	0.288	0.358
	Right cheek	0.642	0.860	0.745	0.913	0.773	0.640	0.715	0.929	0.789	0.656	0.731
	Right tilted	0.310	0.538	0.408	0.564	0.392	0.336	0.365	0.554	0.382	0.326	0.355
5G n12	Left cheek	0.198	0.693	0.347	0.929	0.728	0.210	0.327	0.948	0.747	0.229	0.346
	Left tilted	0.186	0.583	0.327	0.793	0.420	0.228	0.298	0.761	0.388	0.196	0.266
	Right cheek	0.199	0.417	0.302	0.470	0.330	0.197	0.272	0.486	0.346	0.213	0.288
	Right tilted	0.101	0.329	0.199	0.355	0.183	0.127	0.156	0.345	0.173	0.117	0.146
5G n14	Left cheek	0.221	0.716	0.370	0.952	0.751	0.233	0.350	0.971	0.770	0.252	0.369
	Left tilted	0.207	0.604	0.348	0.814	0.441	0.249	0.319	0.782	0.409	0.217	0.287

	Right cheek	0.243	0.461	0.346	0.514	0.374	0.241	0.316	0.530	0.390	0.257	0.332
	Right tilted	0.126	0.354	0.224	0.380	0.208	0.152	0.181	0.370	0.198	0.142	0.171
5G n25(2)	Left cheek	0.695	1.190	0.844	1.426	1.225	0.707	0.824	1.445	1.244	0.726	0.843
	Left tilted	0.814	1.211	0.955	1.421	1.048	0.856	0.926	1.389	1.016	0.824	0.894
	Right cheek	1.171	1.389	1.274	1.442	1.302	1.169	1.244	1.458	1.318	1.185	1.260
	Right tilted	0.930	1.158	1.028	1.184	1.012	0.956	0.985	1.174	1.002	0.946	0.975
5G n26(5)	Left cheek	0.166	0.661	0.315	0.897	0.696	0.178	0.295	0.916	0.715	0.197	0.314
	Left tilted	0.169	0.566	0.310	0.776	0.403	0.211	0.281	0.744	0.371	0.179	0.249
	Right cheek	0.141	0.359	0.244	0.412	0.272	0.139	0.214	0.428	0.288	0.155	0.230
	Right tilted	0.101	0.329	0.199	0.355	0.183	0.127	0.156	0.345	0.173	0.117	0.146
5G n30	Left cheek	0.303	0.798	0.452	1.034	0.833	0.315	0.432	1.053	0.852	0.334	0.451
	Left tilted	0.224	0.621	0.365	0.831	0.458	0.266	0.336	0.799	0.426	0.234	0.304
	Right cheek	0.768	0.986	0.871	1.039	0.899	0.766	0.841	1.055	0.915	0.782	0.857
	Right tilted	0.265	0.493	0.363	0.519	0.347	0.291	0.320	0.509	0.337	0.281	0.310
5G n41 PC1.5 (38)	Left cheek	0.632	1.127	0.781	1.363	1.162	0.644	0.761	1.382	1.181	0.663	0.780
	Left tilted	0.412	0.809	0.553	1.019	0.646	0.454	0.524	0.987	0.614	0.422	0.492
	Right cheek	0.982	1.200	1.085	1.253	1.113	0.980	1.055	1.269	1.129	0.996	1.071
	Right tilted	0.309	0.537	0.407	0.563	0.391	0.335	0.364	0.553	0.381	0.325	0.354
5G n48	Left cheek	0.318	0.813	0.467	1.049	0.848	0.330	0.447	1.068	0.867	0.349	0.466
	Left tilted	0.326	0.723	0.467	0.933	0.560	0.368	0.438	0.901	0.528	0.336	0.406
	Right cheek	1.098	1.316	1.201	1.369	1.229	1.096	1.171	1.385	1.245	1.112	1.187
	Right tilted	0.546	0.774	0.644	0.800	0.628	0.572	0.601	0.790	0.618	0.562	0.591
5G n66	Left cheek	0.740	1.235	0.889	1.471	1.270	0.752	0.869	1.490	1.289	0.771	0.888
	Left tilted	0.867	1.264	1.008	1.474	1.101	0.909	0.979	1.442	1.069	0.877	0.947
	Right cheek	1.157	1.375	1.260	1.428	1.288	1.155	1.230	1.444	1.304	1.171	1.246
	Right tilted	0.981	1.209	1.079	1.235	1.063	1.007	1.036	1.225	1.053	0.997	1.026
5G n70	Left cheek	0.709	1.204	0.858	1.440	1.239	0.721	0.838	1.459	1.258	0.740	0.857
	Left tilted	0.837	1.234	0.978	1.444	1.071	0.879	0.949	1.412	1.039	0.847	0.917
	Right cheek	1.110	1.328	1.213	1.381	1.241	1.108	1.183	1.397	1.257	1.124	1.199
	Right tilted	0.946	1.174	1.044	1.200	1.028	0.972	1.001	1.190	1.018	0.962	0.991
5G n71	Left cheek	0.233	0.728	0.382	0.964	0.763	0.245	0.362	0.983	0.782	0.264	0.381
	Left tilted	0.195	0.592	0.336	0.802	0.429	0.237	0.307	0.770	0.397	0.205	0.275
	Right cheek	0.159	0.377	0.262	0.430	0.290	0.157	0.232	0.446	0.306	0.173	0.248
	Right tilted	0.092	0.320	0.190	0.346	0.174	0.118	0.147	0.336	0.164	0.108	0.137
5G n77(78)	Left cheek	0.343	0.838	0.492	1.074	0.873	0.355	0.472	1.093	0.892	0.374	0.491
	Left tilted	0.341	0.738	0.482	0.948	0.575	0.383	0.453	0.916	0.543	0.351	0.421
	Right cheek	1.039	1.257	1.142	1.310	1.170	1.037	1.112	1.326	1.186	1.053	1.128
	Right tilted	0.521	0.749	0.619	0.775	0.603	0.547	0.576	0.765	0.593	0.537	0.566

Test position		SARmax (W/kg)										
		UL CA Max SAR	WiFi 2.4G Ant8(chain0)	WiFi 2.4G Ant9(chain1)	WiFi 2.4G MIMO	WiFi 5G Ant12(chain0)	WiFi 5G Ant10(chain1)	WiFi 5G MIMO	WiFi 6E Ant12(chain0)	WiFi 6E Ant10(chain1)	WiFi 6E MIMO	BT
		1	2	3	4	5	6	7	8	9	10	11
CA_2A-4A	Left cheek	0.468	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.486	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.719	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.627	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_2A-5A	Left cheek	0.255	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.150	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.315	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.174	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009

CA_2A-12A	Left cheek	0.587	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.524	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.896	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.747	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_2A-13A	Left cheek	0.550	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.561	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.925	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.758	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_2A-48A	Left cheek	0.270	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.190	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.685	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.301	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_2A-66A	Left cheek	0.468	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.486	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.719	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.627	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_4A-5A	Left cheek	0.560	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.543	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.926	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.762	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_4A-7A	Left cheek	0.279	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.169	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.642	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.297	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_4A-12A	Left cheek	0.624	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.544	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.961	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.798	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_4A-13A	Left cheek	0.587	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.581	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.990	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.809	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_4A-17A	Left cheek	0.624	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.544	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.961	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.798	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_5A-48A	Left cheek	0.323	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.215	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.222	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.514	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_5A-66A	Left cheek	0.750	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.748	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.240	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	1.041	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_7A-66A	Left cheek	0.279	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.169	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.642	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.297	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_12A-66A	Left cheek	0.624	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.544	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.961	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019

	Right tilted	0.798	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
CA_13A-66A	Left cheek	0.587	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.581	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.990	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.809	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
	Left cheek	0.268	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
CA_48A-66A	Left tilted	0.178	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.080	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.430	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
	Left cheek	0.268	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048

Test position		Summed SAR										
		1+4+11	1+7+11	1+10+11	1+2+5+11	1+2+6+11	1+2+8+11	1+2+9+11	1+3+5+11	1+3+6+11	1+3+8+11	1+3+9+11
CA_2A-4A	Left cheek	0.552	1.047	0.701	1.283	1.082	0.564	0.681	1.302	1.101	0.583	0.700
	Left tilted	0.614	1.011	0.755	1.221	0.848	0.656	0.726	1.189	0.816	0.624	0.694
	Right cheek	0.761	0.979	0.864	1.032	0.892	0.759	0.834	1.048	0.908	0.775	0.850
	Right tilted	0.654	0.882	0.752	0.908	0.736	0.680	0.709	0.898	0.726	0.670	0.699
CA_2A-5A	Left cheek	0.339	0.834	0.488	1.070	0.869	0.351	0.468	1.089	0.888	0.370	0.487
	Left tilted	0.278	0.675	0.419	0.885	0.512	0.320	0.390	0.853	0.480	0.288	0.358
	Right cheek	0.357	0.575	0.460	0.628	0.488	0.355	0.430	0.644	0.504	0.371	0.446
	Right tilted	0.201	0.429	0.299	0.455	0.283	0.227	0.256	0.445	0.273	0.217	0.246
CA_2A-12A	Left cheek	0.671	1.166	0.820	1.402	1.201	0.683	0.800	1.421	1.220	0.702	0.819
	Left tilted	0.652	1.049	0.793	1.259	0.886	0.694	0.764	1.227	0.854	0.662	0.732
	Right cheek	0.938	1.156	1.041	1.209	1.069	0.936	1.011	1.225	1.085	0.952	1.027
	Right tilted	0.774	1.002	0.872	1.028	0.856	0.800	0.829	1.018	0.846	0.790	0.819
CA_2A-13A	Left cheek	0.634	1.129	0.783	1.365	1.164	0.646	0.763	1.384	1.183	0.665	0.782
	Left tilted	0.689	1.086	0.830	1.296	0.923	0.731	0.801	1.264	0.891	0.699	0.769
	Right cheek	0.967	1.185	1.070	1.238	1.098	0.965	1.040	1.254	1.114	0.981	1.056
	Right tilted	0.785	1.013	0.883	1.039	0.867	0.811	0.840	1.029	0.857	0.801	0.830
CA_2A-48A	Left cheek	0.354	0.849	0.503	1.085	0.884	0.366	0.483	1.104	0.903	0.385	0.502
	Left tilted	0.318	0.715	0.459	0.925	0.552	0.360	0.430	0.893	0.520	0.328	0.398
	Right cheek	0.727	0.945	0.830	0.998	0.858	0.725	0.800	1.014	0.874	0.741	0.816
	Right tilted	0.328	0.556	0.426	0.582	0.410	0.354	0.383	0.572	0.400	0.344	0.373
CA_2A-66A	Left cheek	0.552	1.047	0.701	1.283	1.082	0.564	0.681	1.302	1.101	0.583	0.700
	Left tilted	0.614	1.011	0.755	1.221	0.848	0.656	0.726	1.189	0.816	0.624	0.694
	Right cheek	0.761	0.979	0.864	1.032	0.892	0.759	0.834	1.048	0.908	0.775	0.850
	Right tilted	0.654	0.882	0.752	0.908	0.736	0.680	0.709	0.898	0.726	0.670	0.699
CA_4A-5A	Left cheek	0.644	1.139	0.793	1.375	1.174	0.656	0.773	1.394	1.193	0.675	0.792
	Left tilted	0.671	1.068	0.812	1.278	0.905	0.713	0.783	1.246	0.873	0.681	0.751
	Right cheek	0.968	1.186	1.071	1.239	1.099	0.966	1.041	1.255	1.115	0.982	1.057
	Right tilted	0.789	1.017	0.887	1.043	0.871	0.815	0.844	1.033	0.861	0.805	0.834
CA_4A-7A	Left cheek	0.363	0.858	0.512	1.094	0.893	0.375	0.492	1.113	0.912	0.394	0.511
	Left tilted	0.297	0.694	0.438	0.904	0.531	0.339	0.409	0.872	0.499	0.307	0.377
	Right cheek	0.684	0.902	0.787	0.955	0.815	0.682	0.757	0.971	0.831	0.698	0.773
	Right tilted	0.324	0.552	0.422	0.578	0.406	0.350	0.379	0.568	0.396	0.340	0.369
CA_4A-12A	Left cheek	0.708	1.203	0.857	1.439	1.238	0.720	0.837	1.458	1.257	0.739	0.856
	Left tilted	0.672	1.069	0.813	1.279	0.906	0.714	0.784	1.247	0.874	0.682	0.752
	Right cheek	1.003	1.221	1.106	1.274	1.134	1.001	1.076	1.290	1.150	1.017	1.092
	Right tilted	0.825	1.053	0.923	1.079	0.907	0.851	0.880	1.069	0.897	0.841	0.870
CA_4A-13A	Left cheek	0.671	1.166	0.820	1.402	1.201	0.683	0.800	1.421	1.220	0.702	0.819
	Left tilted	0.709	1.106	0.850	1.316	0.943	0.751	0.821	1.284	0.911	0.719	0.789

	Right cheek	1.032	1.250	1.135	1.303	1.163	1.030	1.105	1.319	1.179	1.046	1.121
	Right tilted	0.836	1.064	0.934	1.090	0.918	0.862	0.891	1.080	0.908	0.852	0.881
CA_4A-17A	Left cheek	0.708	1.203	0.857	1.439	1.238	0.720	0.837	1.458	1.257	0.739	0.856
	Left tilted	0.672	1.069	0.813	1.279	0.906	0.714	0.784	1.247	0.874	0.682	0.752
	Right cheek	1.003	1.221	1.106	1.274	1.134	1.001	1.076	1.290	1.150	1.017	1.092
	Right tilted	0.825	1.053	0.923	1.079	0.907	0.851	0.880	1.069	0.897	0.841	0.870
CA_5A-48A	Left cheek	0.407	0.902	0.556	1.138	0.937	0.419	0.536	1.157	0.956	0.438	0.555
	Left tilted	0.343	0.740	0.484	0.950	0.577	0.385	0.455	0.918	0.545	0.353	0.423
	Right cheek	1.264	1.482	1.367	1.535	1.395	1.262	1.337	1.551	1.411	1.278	1.353
	Right tilted	0.541	0.769	0.639	0.795	0.623	0.567	0.596	0.785	0.613	0.557	0.586
CA_5A-66A	Left cheek	0.834	1.329	0.983	1.565	1.364	0.846	0.963	1.584	1.383	0.865	0.982
	Left tilted	0.876	1.273	1.017	1.483	1.110	0.918	0.988	1.451	1.078	0.886	0.956
	Right cheek	1.282	1.500	1.385	1.553	1.413	1.280	1.355	1.569	1.429	1.296	1.371
	Right tilted	1.068	1.296	1.166	1.322	1.150	1.094	1.123	1.312	1.140	1.084	1.113
CA_7A-66A	Left cheek	0.363	0.858	0.512	1.094	0.893	0.375	0.492	1.113	0.912	0.394	0.511
	Left tilted	0.297	0.694	0.438	0.904	0.531	0.339	0.409	0.872	0.499	0.307	0.377
	Right cheek	0.684	0.902	0.787	0.955	0.815	0.682	0.757	0.971	0.831	0.698	0.773
	Right tilted	0.324	0.552	0.422	0.578	0.406	0.350	0.379	0.568	0.396	0.340	0.369
CA_12A-66A	Left cheek	0.708	1.203	0.857	1.439	1.238	0.720	0.837	1.458	1.257	0.739	0.856
	Left tilted	0.672	1.069	0.813	1.279	0.906	0.714	0.784	1.247	0.874	0.682	0.752
	Right cheek	1.003	1.221	1.106	1.274	1.134	1.001	1.076	1.290	1.150	1.017	1.092
	Right tilted	0.825	1.053	0.923	1.079	0.907	0.851	0.880	1.069	0.897	0.841	0.870
CA_13A-66A	Left cheek	0.671	1.166	0.820	1.402	1.201	0.683	0.800	1.421	1.220	0.702	0.819
	Left tilted	0.709	1.106	0.850	1.316	0.943	0.751	0.821	1.284	0.911	0.719	0.789
	Right cheek	1.032	1.250	1.135	1.303	1.163	1.030	1.105	1.319	1.179	1.046	1.121
	Right tilted	0.836	1.064	0.934	1.090	0.918	0.862	0.891	1.080	0.908	0.852	0.881
CA_48A-66A	Left cheek	0.352	0.847	0.501	1.083	0.882	0.364	0.481	1.102	0.901	0.383	0.500
	Left tilted	0.306	0.703	0.447	0.913	0.540	0.348	0.418	0.881	0.508	0.316	0.386
	Right cheek	1.122	1.340	1.225	1.393	1.253	1.120	1.195	1.409	1.269	1.136	1.211
	Right tilted	0.457	0.685	0.555	0.711	0.539	0.483	0.512	0.701	0.529	0.473	0.502

Test position		SARmax (W/kg)										
		ENDC Max SAR	WiFi 2.4G Ant8(chain0)	WiFi 2.4G Ant9(chain1)	WiFi 2.4G MIMO	WiFi 5G Ant12(chain0)	WiFi 5G Ant10(chain1)	WiFi 5G MIMO	WiFi 6E Ant12(chain0)	WiFi 6E Ant10(chain1)	WiFi 6E MIMO	BT
		1	2	3	4	5	6	7	8	9	10	11
DC_2A_n2A	Left cheek	0.563	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.567	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.847	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.718	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_5A_n2A	Left cheek	0.405	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.389	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.728	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.540	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_7A_n2A	Left cheek	0.374	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.250	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.770	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.388	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_12A_n2A	Left cheek	0.469	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.390	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.763	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.576	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009

DC_13A_n2A	Left cheek	0.432	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.427	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.792	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.587	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_14A_n2A	Left cheek	0.476	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.459	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.770	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.579	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_30A_n2A	Left cheek	0.439	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.405	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.996	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.593	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_48A_n2A	Left cheek	0.420	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.429	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	1.098	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.667	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_66A_n2A	Left cheek	0.350	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.352	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.586	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.456	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_71A_n2A	Left cheek	0.449	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.412	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.757	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.529	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_2A_n5A	Left cheek	0.507	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.519	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.798	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.698	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_4A_n5A	Left cheek	0.544	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.539	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.863	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.749	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_7A_n5A	Left cheek	0.318	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.202	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.721	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.368	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_30A_n5A	Left cheek	0.214	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.102	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.529	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.214	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_48A_n5A	Left cheek	0.195	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.126	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.631	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.288	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_66A_n5A	Left cheek	0.544	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.539	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.863	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019
	Right tilted	0.749	0.018	0.008	0.018	0.254	0.082	0.246	0.026	0.055	0.116	0.009
DC_2A_n25A	Left cheek	0.563	0.042	0.061	0.036	0.725	0.524	0.531	0.006	0.123	0.185	0.048
	Left tilted	0.567	0.044	0.012	0.038	0.601	0.228	0.435	0.036	0.106	0.179	0.090
	Right cheek	0.847	0.018	0.034	0.023	0.276	0.136	0.241	0.003	0.078	0.126	0.019