

8.3.21 SAR Result of NR Band n48

SA N48 SAR Test Record											
Ant6 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)
Open Head Test Data (1RB) Receiver on											
Left cheek	40	QPSK 1_1	641666/3624.99	100%	0.881	0.12	15.78	16.50	1.180	1.040	23
Left cheek-repeated sar	40	QPSK 1_1	641666/3624.99	100%	0.863	0.08	15.78	16.50	1.180	1.018	23
Left cheek	40	QPSK 1_1	638000/3570	100%	0.785	0.12	15.35	16.50	1.303	1.023	23.1
Left cheek	40	QPSK 1_1	645322/3679.98	100%	0.777	0.12	15.33	16.50	1.309	1.017	23
Left tilted	40	QPSK 1_1	641666/3624.99	100%	0.480	0.01	15.78	16.50	1.180	0.566	23
Right cheek	40	QPSK 1_1	641666/3624.99	100%	0.563	0.02	15.78	16.50	1.180	0.664	23
Right tilted	40	QPSK 1_1	641666/3624.99	100%	0.424	0.03	15.78	16.50	1.180	0.500	23
Open Head Test Data (50%RB) Receiver on											
Left cheek	40	QPSK 50_28	641666/3624.99	100%	0.841	-0.18	15.74	16.50	1.191	1.002	23
Left cheek	40	QPSK 50_28	638000/3570	100%	0.770	-0.18	15.28	16.50	1.324	1.019	23.1
Left cheek	40	QPSK 50_28	645322/3679.98	100%	0.761	-0.18	15.29	16.50	1.321	1.005	23
Left tilted	40	QPSK 50_28	641666/3624.99	100%	0.479	-0.17	15.74	16.50	1.191	0.570	23
Right cheek	40	QPSK 50_28	641666/3624.99	100%	0.558	-0.10	15.74	16.50	1.191	0.665	23
Right tilted	40	QPSK 50_28	641666/3624.99	100%	0.403	0.00	15.74	16.50	1.191	0.480	23
Open Head Test Data (100%RB) Receiver on											
Left cheek	40	QPSK 100_0	641666/3624.99	100%	0.742	-0.19	14.73	15.50	1.194	0.886	23
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	40	QPSK 1_1	641666/3624.99	100%	0.779	0.18	21.29	22.50	1.321	1.029	23
Back side	40	QPSK 1_1	638000/3570	100%	0.701	0.18	20.87	22.50	1.455	1.020	23.1
Back side	40	QPSK 1_1	645322/3679.98	100%	0.690	0.18	20.80	22.50	1.479	1.021	23
Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	40	QPSK 50_28	641666/3624.99	100%	0.711	-0.10	21.22	22.50	1.343	0.955	23
Back side	40	QPSK 50_28	638000/3570	100%	0.636	-0.10	20.82	22.50	1.472	0.936	23.1
Back side	40	QPSK 50_28	645322/3679.98	100%	0.655	-0.10	20.78	22.50	1.486	0.973	23
Close body Test data (Separate 10mm 100%RB) sensor on											
Back side	40	QPSK 100_0	641666/3624.99	100%	0.636	-0.15	20.22	21.50	1.343	0.854	23
Close body Test data (1RB) sensor off											
Front side 10mm	40	QPSK 1_1	641666/3624.99	100%	0.145	0.11	22.78	24.00	1.324	0.192	23
Back side 24mm	40	QPSK 1_1	641666/3624.99	100%	0.138	0.03	22.78	24.00	1.324	0.183	23
Close body Test data (50%RB) sensor off											
Front side 10mm	40	QPSK 50_28	641666/3624.99	100%	0.165	-0.10	22.77	24.00	1.327	0.219	23
Back side 24mm	40	QPSK 50_28	641666/3624.99	100%	0.136	0.11	22.77	24.00	1.327	0.180	23
Open body Test data (Separate 10mm 1RB) sensor on											
Back side	40	QPSK 1_1	641666/3624.99	100%	0.741	0.05	21.29	22.50	1.321	0.979	23
Back side	40	QPSK 1_1	638000/3570	100%	0.688	-0.01	20.87	22.50	1.455	1.001	23.1
Back side	40	QPSK 1_1	645322/3679.98	100%	0.674	0.12	20.80	22.50	1.479	0.997	23
Open body Test data (Separate 10mm 50%RB) sensor on											
Back side	40	QPSK 50_28	641666/3624.99	100%	0.698	-0.11	21.22	22.50	1.343	0.937	23
Back side	40	QPSK 50_28	638000/3570	100%	0.625	0.18	20.82	22.50	1.472	0.920	23.1
Back side	40	QPSK 50_28	645322/3679.98	100%	0.642	0.19	20.78	22.50	1.486	0.954	23
Open body Test data (Separate 10mm 100%RB) sensor on											
Back side	40	QPSK 100_0	641666/3624.99	100%	0.622	-0.08	20.22	21.50	1.343	0.835	23
Open body Test data (1RB) sensor off											
Front side 10mm	40	QPSK 1_1	641666/3624.99	100%	0.086	-0.12	22.78	24.00	1.324	0.114	23

Back side 24mm	40	QPSK 1_1	641666/3624.99	100%	0.125	-0.11	22.78	24.00	1.324	0.166	23
Open body Test data (50%RB) sensor off											
Front side 10mm	40	QPSK 50_28	641666/3624.99	100%	0.074	0.14	22.77	24.00	1.327	0.098	23
Back side 24mm	40	QPSK 50_28	641666/3624.99	100%	0.121	-0.01	22.77	24.00	1.327	0.161	23
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) sensor on											
Back side	40	QPSK 1_1	641666/3624.99	100%	0.736	-0.02	21.29	22.50	1.321	0.972	23
Product specific 10g SAR Test data (Separate 0mm 50%RB) sensor on											
Back side	40	QPSK 50_28	641666/3624.99	100%	0.633	-0.07	21.22	22.50	1.343	0.850	23
Product specific 10g SAR Test data (1RB) sensor off											
Front side 0mm	40	QPSK 1_1	641666/3624.99	100%	0.164	0.13	22.78	24.00	1.324	0.217	23
Back side 24mm	40	QPSK 1_1	641666/3624.99	100%	0.104	-0.11	22.78	24.00	1.324	0.138	23
Left side 0mm	40	QPSK 1_1	641666/3624.99	100%	0.169	0.00	22.78	24.00	1.324	0.224	23
Right side 0mm	40	QPSK 1_1	641666/3624.99	100%	0.254	0.12	22.78	24.00	1.324	0.336	23
Bottom side 0mm	40	QPSK 1_1	641666/3624.99	100%	0.037	-0.11	22.78	24.00	1.324	0.049	23
Product specific 10g SAR Test data (50%RB) sensor off											
Front side 0mm	40	QPSK 50_28	641666/3624.99	100%	0.152	0.09	22.77	24.00	1.327	0.202	23
Back side 24mm	40	QPSK 50_28	641666/3624.99	100%	0.109	-0.09	22.77	24.00	1.327	0.145	23
Left side 0mm	40	QPSK 50_28	641666/3624.99	100%	0.161	-0.18	22.77	24.00	1.327	0.214	23
Right side 0mm	40	QPSK 50_28	641666/3624.99	100%	0.256	-0.17	22.77	24.00	1.327	0.340	23
Bottom side 0mm	40	QPSK 50_28	641666/3624.99	100%	0.022	-0.16	22.77	24.00	1.327	0.029	23

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left cheek	641666/3624.99	0.881	0.863	1.021	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 (~ 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.						

8.3.22 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)
Open Open Head Test Data (1RB)											
Left cheek	30	QPSK 1_1	349000/1745	100%	0.000	-0.17	23.03	24.00	1.250	0.000	22.9
Left tilted	30	QPSK 1_1	349000/1745	100%	0.000	0.18	23.03	24.00	1.250	0.000	22.9
Right cheek	30	QPSK 1_1	349000/1745	100%	0.000	0.00	23.03	24.00	1.250	0.000	22.9
Right tilted	30	QPSK 1_1	349000/1745	100%	0.000	0.04	23.03	24.00	1.250	0.000	22.9
Open Head Test Data (50%RB)											
Left cheek	30	QPSK 75_36	349000/1745	100%	0.000	0.02	22.99	24.00	1.262	0.000	22.9
Left tilted	30	QPSK 75_36	349000/1745	100%	0.000	0.11	22.99	24.00	1.262	0.000	22.9
Right cheek	30	QPSK 75_36	349000/1745	100%	0.000	0.12	22.99	24.00	1.262	0.000	22.9
Right tilted	30	QPSK 75_36	349000/1745	100%	0.000	-0.08	22.99	24.00	1.262	0.000	22.9
Mouth and jaw regions Position_Cover open (1RB)											
Front side 35mm	30	QPSK 1_1	349000/1745	100%	0.085	-0.17	23.03	24.00	1.250	0.106	22.9
Mouth and jaw regions Position_Cover open (50%RB)											
Front side 35mm	30	QPSK 75_36	349000/1745	100%	0.063	-0.13	22.99	24.00	1.262	0.080	22.9
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	30	QPSK 1_1	349000/1745	100%	0.792	-0.06	19.50	20.50	1.259	0.997	22.9
Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	30	QPSK 75_36	349000/1745	100%	0.725	0.11	19.49	20.50	1.262	0.915	22.9
Close body Test data (Separate 10mm 100%RB) sensor on											
Back side	30	QPSK 150_0	349000/1745	100%	0.641	0.18	18.51	19.50	1.256	0.805	22.9
Close body Test data (1RB) sensor off											
Front side 10mm	30	QPSK 1_1	349000/1745	100%	0.251	0.13	23.03	24.00	1.250	0.314	22.9
Back side 24mm	30	QPSK 1_1	349000/1745	100%	0.194	-0.07	23.03	24.00	1.250	0.243	22.9
Close body Test data (50%RB) sensor off											
Front side 10mm	30	QPSK 75_36	349000/1745	100%	0.192	0.02	22.99	24.00	1.262	0.242	22.9
Back side 24mm	30	QPSK 75_36	349000/1745	100%	0.156	-0.07	22.99	24.00	1.262	0.197	22.9
Close body Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous											
Back side	30	QPSK 1_1	349000/1745	100%	0.792	-0.13	19.50	17.50	0.631	0.500	22.9
Close body Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous											
Back side	30	QPSK 75_36	349000/1745	100%	0.725	0.11	19.49	17.50	0.632	0.458	22.9
Close body Evaluate data (1RB) sensor off for Simultaneous											
Front side 10mm	30	QPSK 1_1	349000/1745	100%	0.251	0.13	23.03	17.50	0.280	0.070	22.9
Back side 24mm	30	QPSK 1_1	349000/1745	100%	0.194	-0.07	23.03	17.50	0.280	0.054	22.9
Close body Evaluate data (50%RB) sensor off for Simultaneous											
Front side 10mm	30	QPSK 75_36	349000/1745	100%	0.192	0.02	22.99	17.50	0.282	0.054	22.9
Back side 24mm	30	QPSK 75_36	349000/1745	100%	0.156	-0.07	22.99	17.50	0.282	0.044	22.9
Open body Test data (Separate 10mm 1RB) sensor on											
Back side	30	QPSK 1_1	349000/1745	100%	0.755	0.02	19.50	20.50	1.259	0.951	22.9
Open body Test data (Separate 10mm 50%RB) sensor on											
Back side	30	QPSK 75_36	349000/1745	100%	0.712	-0.01	19.49	20.50	1.262	0.899	22.9
Open body Test data (Separate 10mm 100%RB) sensor on											
Back side	30	QPSK 150_0	349000/1745	100%	0.632	0.01	18.51	19.50	1.256	0.794	22.9
Open body Test data (1RB) sensor off											
Front side 10mm	30	QPSK 1_1	349000/1745	100%	0.452	0.12	23.03	24.00	1.250	0.565	22.9
Back side 24mm	30	QPSK 1_1	349000/1745	100%	0.185	0.13	23.03	24.00	1.250	0.231	22.9

Open body Test data (50%RB) sensor off											
Front side 10mm	30	QPSK 75_36	349000/1745	100%	0.400	0.19	22.99	24.00	1.262	0.505	22.9
Back side 24mm	30	QPSK 75_36	349000/1745	100%	0.142	-0.18	22.99	24.00	1.262	0.179	22.9
Open body Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous											
Back side	30	QPSK 1_1	349000/1745	100%	0.755	0.02	19.50	17.50	0.631	0.476	22.9
Open body Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous											
Back side	30	QPSK 75_36	349000/1745	100%	0.712	-0.01	19.49	17.50	0.632	0.450	22.9
Open body Evaluate data (1RB) sensor off for Simultaneous											
Front side 10mm	30	QPSK 1_1	349000/1745	100%	0.452	0.12	23.03	17.50	0.280	0.127	22.9
Back side 24mm	30	QPSK 1_1	349000/1745	100%	0.185	0.13	23.03	17.50	0.280	0.052	22.9
Open body Evaluate data (50%RB) sensor off for Simultaneous											
Front side 10mm	30	QPSK 75_36	349000/1745	100%	0.400	0.19	22.99	17.50	0.282	0.113	22.9
Back side 24mm	30	QPSK 75_36	349000/1745	100%	0.142	-0.18	22.99	17.50	0.282	0.040	22.9
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) sensor on											
Back side	30	QPSK 1_1	349000/1745	100%	1.050	-0.02	19.50	20.50	1.259	1.322	22.9
Bottom side	30	QPSK 1_1	349000/1745	100%	0.787	-0.04	19.50	20.50	1.259	0.991	22.9
Product specific 10g SAR Test data (Separate 0mm 50%RB) sensor on											
Back side	30	QPSK 75_36	349000/1745	100%	0.751	0.01	19.49	20.50	1.262	0.948	22.9
Bottom side	30	QPSK 75_36	349000/1745	100%	0.617	-0.06	19.49	20.50	1.262	0.779	22.9
Product specific 10g SAR Test data (1RB) sensor off											
Front side 0mm	30	QPSK 1_1	349000/1745	100%	1.260	-0.09	23.03	24.00	1.250	1.575	22.9
Back side 24mm	30	QPSK 1_1	349000/1745	100%	0.151	0.08	23.03	24.00	1.250	0.189	22.9
Left side 0mm	30	QPSK 1_1	349000/1745	100%	1.490	-0.09	23.03	24.00	1.250	1.863	22.9
Right side 0mm	30	QPSK 1_1	349000/1745	100%	0.034	0.14	23.03	24.00	1.250	0.043	22.9
Bottom side 25mm	30	QPSK 1_1	349000/1745	100%	0.148	-0.18	23.03	24.00	1.250	0.185	22.9
Product specific 10g SAR Test data (50%RB) sensor off											
Front side 0mm	30	QPSK 75_36	349000/1745	100%	0.975	-0.05	22.99	24.00	1.262	1.230	22.9
Back side 24mm	30	QPSK 75_36	349000/1745	100%	0.130	-0.01	22.99	24.00	1.262	0.164	22.9
Left side 0mm	30	QPSK 75_36	349000/1745	100%	0.931	-0.18	22.99	24.00	1.262	1.175	22.9
Right side 0mm	30	QPSK 75_36	349000/1745	100%	0.028	0.19	22.99	24.00	1.262	0.035	22.9
Bottom side 25mm	30	QPSK 75_36	349000/1745	100%	0.126	0.16	22.99	24.00	1.262	0.159	22.9
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Open Head Test Data (1RB)											
Left cheek	30	QPSK 1_1	349000/1745	100%	0.040	0.07	23.04	24.00	1.247	0.050	22.9
Left tilted	30	QPSK 1_1	349000/1745	100%	0.000	0.10	23.04	24.00	1.247	0.000	22.9
Right cheek	30	QPSK 1_1	349000/1745	100%	0.219	0.04	23.04	24.00	1.247	0.273	22.9
Right tilted	30	QPSK 1_1	349000/1745	100%	0.000	0.18	23.04	24.00	1.247	0.000	22.9
Open Head Test Data (50%RB)											
Left cheek	30	QPSK 75_36	349000/1745	100%	0.033	0.04	22.98	24.00	1.265	0.042	22.9
Left tilted	30	QPSK 75_36	349000/1745	100%	0.000	-0.01	22.98	24.00	1.265	0.000	22.9
Right cheek	30	QPSK 75_36	349000/1745	100%	0.132	-0.07	22.98	24.00	1.265	0.167	22.9
Right tilted	30	QPSK 75_36	349000/1745	100%	0.000	0.18	22.98	24.00	1.265	0.000	22.9
Close body Test data (Separate 10mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.000	-0.06	23.04	24.00	1.247	0.000	22.9
Back side	30	QPSK 1_1	349000/1745	100%	0.365	-0.09	23.04	24.00	1.247	0.455	22.9
Close body Test data (Separate 10mm 50%RB)											

Front side	30	QPSK 75_36	349000/1745	100%	0.000	-0.19	22.98	24.00	1.265	0.000	22.9
Back side	30	QPSK 75_36	349000/1745	100%	0.388	0.19	22.98	24.00	1.265	0.491	22.9
Open body Test data (Separate 10mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.000	0.08	23.04	24.00	1.247	0.000	22.9
Back side	30	QPSK 1_1	349000/1745	100%	0.355	0.06	23.04	24.00	1.247	0.443	22.9
Open body Test data (Separate 10mm 50%RB)											
Front side	30	QPSK 75_36	349000/1745	100%	0.000	-0.14	22.98	24.00	1.265	0.000	22.9
Back side	30	QPSK 75_36	349000/1745	100%	0.374	0.18	22.98	24.00	1.265	0.473	22.9
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.034	0.04	23.04	24.00	1.247	0.042	22.9
Back side	30	QPSK 1_1	349000/1745	100%	0.330	-0.16	23.04	24.00	1.247	0.412	22.9
Left side	30	QPSK 1_1	349000/1745	100%	0.149	0.17	23.04	24.00	1.247	0.186	22.9
Right side	30	QPSK 1_1	349000/1745	100%	0.657	-0.11	23.04	24.00	1.247	0.819	22.9
Bottom side	30	QPSK 1_1	349000/1745	100%	0.000	0.08	23.04	24.00	1.247	0.000	22.9
Product specific 10g SAR Test data (Separate 0mm 50%RB)											
Front side	30	QPSK 75_36	349000/1745	100%	0.041	-0.10	22.98	24.00	1.265	0.052	22.9
Back side	30	QPSK 75_36	349000/1745	100%	0.308	0.15	22.98	24.00	1.265	0.390	22.9
Left side	30	QPSK 75_36	349000/1745	100%	0.238	0.11	22.98	24.00	1.265	0.301	22.9
Right side	30	QPSK 75_36	349000/1745	100%	0.709	0.11	22.98	24.00	1.265	0.897	22.9
Bottom side	30	QPSK 75_36	349000/1745	100%	0.044	0.00	22.98	24.00	1.265	0.056	22.9

8.3.23 SAR Result of NR Band n71

SA N71 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Open Open Head Test Data (1RB)											
Left cheek	20	QPSK 1_1	136100/680.5	100%	0.000	-0.14	22.98	24.00	1.265	0.000	22.1
Left tilted	20	QPSK 1_1	136100/680.5	100%	0.000	0.00	22.98	24.00	1.265	0.000	22.1
Right cheek	20	QPSK 1_1	136100/680.5	100%	0.000	0.13	22.98	24.00	1.265	0.000	22.1
Right tilted	20	QPSK 1_1	136100/680.5	100%	0.000	0.09	22.98	24.00	1.265	0.000	22.1
Open Head Test Data (50%RB)											
Left cheek	20	QPSK 50_28	136100/680.5	100%	0.000	0.17	22.95	24.00	1.274	0.000	22.1
Left tilted	20	QPSK 50_28	136100/680.5	100%	0.000	-0.16	22.95	24.00	1.274	0.000	22.1
Right cheek	20	QPSK 50_28	136100/680.5	100%	0.000	-0.16	22.95	24.00	1.274	0.000	22.1
Right tilted	20	QPSK 50_28	136100/680.5	100%	0.000	0.15	22.95	24.00	1.274	0.000	22.1
Mouth and jaw regions Position_Cover open (1RB)											
Front side 35mm	20	QPSK 1_1	136100/680.5	100%	0.049	-0.01	22.98	24.00	1.265	0.062	22.1
Mouth and jaw regions Position_Cover open (50%RB)											
Front side 35mm	20	QPSK 50_28	136100/680.5	100%	0.033	0.08	22.95	24.00	1.274	0.042	22.1
Close body Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	100%	0.149	0.04	22.98	24.00	1.265	0.188	22.1
Back side	20	QPSK 1_1	136100/680.5	100%	0.411	0.10	22.98	24.00	1.265	0.520	22.1
Close body Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	100%	0.152	0.19	22.95	24.00	1.274	0.194	22.1
Back side	20	QPSK 50_28	136100/680.5	100%	0.386	0.11	22.95	24.00	1.274	0.492	22.1
Open body Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	100%	0.352	-0.05	22.98	24.00	1.265	0.445	22.1
Back side	20	QPSK 1_1	136100/680.5	100%	0.374	0.04	22.98	24.00	1.265	0.473	22.1
Open body Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	100%	0.344	0.19	22.95	24.00	1.274	0.438	22.1
Back side	20	QPSK 50_28	136100/680.5	100%	0.362	0.02	22.95	24.00	1.274	0.461	22.1
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	100%	0.254	-0.05	22.98	24.00	1.265	0.321	22.1
Back side	20	QPSK 1_1	136100/680.5	100%	0.393	0.06	22.98	24.00	1.265	0.497	22.1
Left side	20	QPSK 1_1	136100/680.5	100%	0.326	-0.17	22.98	24.00	1.265	0.412	22.1
Right side	20	QPSK 1_1	136100/680.5	100%	0.168	-0.10	22.98	24.00	1.265	0.213	22.1
Bottom side	20	QPSK 1_1	136100/680.5	100%	0.163	-0.12	22.98	24.00	1.265	0.206	22.1
Product specific 10g SAR Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	100%	0.221	-0.09	22.95	24.00	1.274	0.282	22.1
Back side	20	QPSK 50_28	136100/680.5	100%	0.288	-0.08	22.95	24.00	1.274	0.367	22.1
Left side	20	QPSK 50_28	136100/680.5	100%	0.251	0.03	22.95	24.00	1.274	0.320	22.1
Right side	20	QPSK 50_28	136100/680.5	100%	0.144	0.03	22.95	24.00	1.274	0.183	22.1
Bottom side	20	QPSK 50_28	136100/680.5	100%	0.193	0.15	22.95	24.00	1.274	0.246	22.1

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

SA N77 SAR Test Record											
Ant6 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)
Open Head Test Data (1RB) Receiver on											
Left cheek	100	QPSK 1_1	633334/3500	100%	0.417	-0.05	14.62	16.00	1.374	0.573	23.1
Left tilted	100	QPSK 1_1	633334/3500	100%	0.360	-0.04	14.62	16.00	1.374	0.495	23.1
Right cheek	100	QPSK 1_1	633334/3500	100%	0.487	-0.01	14.62	16.00	1.374	0.669	23.1
Right cheek-PC2	100	QPSK 1_1	633334/3500	50%	0.255	0.04	14.55	16.00	1.396	0.356	23.1
Right tilted	100	QPSK 1_1	633334/3500	100%	0.338	-0.19	14.62	16.00	1.374	0.464	23.1
Open Head Test Data (50%RB) Receiver on											
Left cheek	100	QPSK 135_69	633334/3500	100%	0.318	-0.17	14.60	16.00	1.380	0.439	23.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.268	-0.14	14.60	16.00	1.380	0.370	23.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.404	-0.15	14.60	16.00	1.380	0.558	23.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.355	-0.11	14.60	16.00	1.380	0.490	23.1
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	633334/3500	100%	0.632	-0.16	20.63	22.00	1.371	0.866	23.1
Back side-PC2	100	QPSK 1_1	633334/3500	50%	0.337	-0.15	20.54	22.00	1.400	0.472	23.1
Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	633334/3500	100%	0.615	0.15	20.62	22.00	1.374	0.845	23.1
Close body Test data (Separate 10mm 100%RB) sensor on											
Back side	100	QPSK 270_0	633334/3500	100%	0.512	0.00	19.55	21.00	1.396	0.715	23.1
Close body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	633334/3500	100%	0.172	-0.04	22.66	24.00	1.361	0.234	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.108	0.02	22.66	24.00	1.361	0.147	23.1
Close body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	633334/3500	100%	0.140	-0.12	22.64	24.00	1.368	0.192	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.123	-0.01	22.64	24.00	1.368	0.168	23.1
Close body Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous											
Back side	100	QPSK 1_1	633334/3500	100%	0.632	-0.16	20.63	19.00	0.687	0.434	23.1
Close body Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous											
Back side	100	QPSK 135_69	633334/3500	100%	0.615	0.15	20.62	19.00	0.689	0.424	23.1
Close body Evaluate data (1RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 1_1	633334/3500	100%	0.172	-0.04	22.66	19.00	0.431	0.074	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.108	0.02	22.66	19.00	0.431	0.047	23.1
Close body Evaluate data (50%RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 135_69	633334/3500	100%	0.140	-0.12	22.64	19.00	0.433	0.061	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.123	-0.01	22.64	19.00	0.433	0.053	23.1
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	633334/3500	100%	0.625	0.09	20.63	22.00	1.371	0.857	23.1
Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	633334/3500	100%	0.601	-0.01	20.62	22.00	1.374	0.826	23.1
Close body Test data (Separate 10mm 100%RB) sensor on											
Back side	100	QPSK 270_0	633334/3500	100%	0.508	0.15	19.55	21.00	1.396	0.709	23.1
Open body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	633334/3500	100%	0.051	0.12	22.66	24.00	1.361	0.069	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.103	-0.04	22.66	24.00	1.361	0.140	23.1
Open body Test data (50%RB) sensor off											

Front side 10mm	100	QPSK 135_69	633334/3500	100%	0.045	0.11	22.64	24.00	1.368	0.062	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.111	-0.18	22.64	24.00	1.368	0.152	23.1
Open body Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous											
Back side	100	QPSK 1_1	633334/3500	100%	0.625	0.09	20.63	19.00	0.687	0.429	23.1
Open body Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous											
Back side	100	QPSK 135_69	633334/3500	100%	0.601	-0.01	20.62	19.00	0.689	0.414	23.1
Open body Evaluate data (1RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 1_1	633334/3500	100%	0.051	0.12	22.66	19.00	0.431	0.022	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.103	-0.04	22.66	19.00	0.431	0.044	23.1
Open body Evaluate data (50%RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 135_69	633334/3500	100%	0.045	0.11	22.64	19.00	0.433	0.019	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.111	-0.18	22.64	19.00	0.433	0.048	23.1
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) sensor on											
Back side	100	QPSK 1_1	633334/3500	100%	0.335	-0.13	20.63	22.00	1.371	0.459	23.1
Product specific 10g SAR Test data (Separate 0mm 50%RB) sensor on											
Back side	100	QPSK 135_69	633334/3500	100%	0.297	0.03	20.62	22.00	1.374	0.408	23.1
Product specific 10g SAR Test data (1RB) sensor off											
Front side 0mm	100	QPSK 1_1	633334/3500	100%	0.110	0.18	22.66	24.00	1.361	0.150	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.102	-0.11	22.66	24.00	1.361	0.139	23.1
Left side 0mm	100	QPSK 1_1	633334/3500	100%	0.224	-0.02	22.66	24.00	1.361	0.305	23.1
Right side 0mm	100	QPSK 1_1	633334/3500	100%	0.436	0.09	22.66	24.00	1.361	0.593	23.1
Bottom side 0mm	100	QPSK 1_1	633334/3500	100%	0.033	0.08	22.66	24.00	1.361	0.045	23.1
Product specific 10g SAR Test data (50%RB) sensor off											
Front side 0mm	100	QPSK 135_69	633334/3500	100%	0.105	0.12	22.64	24.00	1.368	0.144	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.082	-0.09	22.64	24.00	1.368	0.112	23.1
Left side 0mm	100	QPSK 135_69	633334/3500	100%	0.166	0.11	22.64	24.00	1.368	0.227	23.1
Right side 0mm	100	QPSK 135_69	633334/3500	100%	0.352	-0.18	22.64	24.00	1.368	0.482	23.1
Bottom side 0mm	100	QPSK 135_69	633334/3500	100%	0.025	0.15	22.64	24.00	1.368	0.034	23.1
Ant7 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)
Open Open Head Test Data (1RB) Receiver on											
Left cheek	100	QPSK 1_1	633334/3500	100%	0.000	0.13	21.66	23.00	1.361	0.000	23.1
Left tilted	100	QPSK 1_1	633334/3500	100%	0.000	-0.06	21.66	23.00	1.361	0.000	23.1
Right cheek	100	QPSK 1_1	633334/3500	100%	0.000	0.04	21.66	23.00	1.361	0.000	23.1
Right tilted	100	QPSK 1_1	633334/3500	100%	0.000	0.02	21.66	23.00	1.361	0.000	23.1
Open Head Test Data (50%RB) Receiver on											
Left cheek	100	QPSK 135_69	633334/3500	100%	0.000	-0.13	21.64	23.00	1.368	0.000	23.1
Left tilted	100	QPSK 135_69	633334/3500	100%	0.000	-0.11	21.64	23.00	1.368	0.000	23.1
Right cheek	100	QPSK 135_69	633334/3500	100%	0.000	0.16	21.64	23.00	1.368	0.000	23.1
Right tilted	100	QPSK 135_69	633334/3500	100%	0.000	-0.17	21.64	23.00	1.368	0.000	23.1
Mouth and jaw regions Position_Cover open (1RB) Receiver on											
Front side 35mm	100	QPSK 1_1	633334/3500	100%	0.063	0.03	21.66	23.00	1.361	0.086	23.1
Mouth and jaw regions Position_Cover open (50%RB) Receiver on											
Front side 35mm	100	QPSK 135_69	633334/3500	100%	0.052	-0.02	21.64	23.00	1.368	0.071	23.1
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	633334/3500	100%	0.434	-0.03	21.66	23.00	1.361	0.591	23.1

Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	633334/3500	100%	0.351	-0.07	21.64	23.00	1.368	0.480	23.1
Close body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	633334/3500	100%	0.216	0.00	22.70	24.00	1.349	0.291	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.097	0.01	22.70	24.00	1.349	0.131	23.1
Close body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	633334/3500	100%	0.211	0.18	22.67	24.00	1.358	0.287	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.100	0.19	22.67	24.00	1.358	0.136	23.1
Open body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	633334/3500	100%	0.422	0.09	21.66	23.00	1.361	0.574	23.1
Open body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	633334/3500	100%	0.341	0.06	21.64	23.00	1.368	0.466	23.1
Open body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	633334/3500	100%	0.291	-0.01	22.70	24.00	1.349	0.393	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.093	0.12	22.70	24.00	1.349	0.125	23.1
Open body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	633334/3500	100%	0.279	0.08	22.67	24.00	1.358	0.379	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.094	-0.07	22.67	24.00	1.358	0.128	23.1
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) sensor on											
Back side	100	QPSK 1_1	633334/3500	100%	0.656	-0.17	21.66	23.00	1.361	0.893	23.1
Right side	100	QPSK 1_1	633334/3500	100%	0.696	0.03	21.66	23.00	1.361	0.947	23.1
Product specific 10g SAR Test data (Separate 0mm 50%RB) sensor on											
Back side	100	QPSK 135_69	633334/3500	100%	0.606	0.00	21.64	23.00	1.368	0.829	23.1
Right side	100	QPSK 135_69	633334/3500	100%	0.689	0.03	21.64	23.00	1.368	0.943	23.1
Product specific 10g SAR Test data (1RB) sensor off											
Front side 0mm	100	QPSK 1_1	633334/3500	100%	0.731	-0.12	22.70	24.00	1.349	0.986	23.1
Front side 0mm-PC2	100	QPSK 1_1	633334/3500	50%	0.723	-0.12	25.66	27.00	1.361	0.984	23.1
Back side 24mm	100	QPSK 1_1	633334/3500	100%	0.069	0.05	22.70	24.00	1.349	0.093	23.1
Left side 0mm	100	QPSK 1_1	633334/3500	100%	0.182	0.14	22.70	24.00	1.349	0.246	23.1
Right side 18mm	100	QPSK 1_1	633334/3500	100%	0.129	-0.15	22.70	24.00	1.349	0.174	23.1
Bottom side 0mm	100	QPSK 1_1	633334/3500	100%	0.278	-0.02	22.70	24.00	1.349	0.375	23.1
Product specific 10g SAR Test data (50%RB) sensor off											
Front side 0mm	100	QPSK 135_69	633334/3500	100%	0.686	-0.14	22.67	24.00	1.358	0.932	23.1
Back side 24mm	100	QPSK 135_69	633334/3500	100%	0.079	-0.06	22.67	24.00	1.358	0.107	23.1
Left side 0mm	100	QPSK 135_69	633334/3500	100%	0.215	-0.03	22.67	24.00	1.358	0.292	23.1
Right side 18mm	100	QPSK 135_69	633334/3500	100%	0.141	-0.18	22.67	24.00	1.358	0.191	23.1
Bottom side 0mm	100	QPSK 135_69	633334/3500	100%	0.277	0.03	22.67	24.00	1.358	0.376	23.1

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

SA N77 SAR Test Record											
Ant6 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)
Open Head Test Data (1RB) Receiver on											
Left cheek	100	QPSK 1_1	650000/3750	100%	0.459	0.16	14.72	16.00	1.343	0.616	23
Left tilted	100	QPSK 1_1	650000/3750	100%	0.370	-0.06	14.72	16.00	1.343	0.497	23
Right cheek	100	QPSK 1_1	650000/3750	100%	0.800	0.02	14.72	16.00	1.343	1.074	23
Right cheek-PC2	100	QPSK 1_1	650000/3750	50%	0.411	0.05	14.66	16.00	1.361	0.559	23
Right cheek-repeated sar	100	QPSK 1_1	650000/3750	100%	0.793	-0.04	14.72	16.00	1.343	1.065	23
Right cheek	100	QPSK 1_1	662000/3930	100%	0.711	0.04	14.68	16.00	1.355	0.963	23.2
Right tilted	100	QPSK 1_1	650000/3750	100%	0.482	0.13	14.72	16.00	1.343	0.647	23
Open Head Test Data (50%RB) Receiver on											
Left cheek	100	QPSK 135_69	650000/3750	100%	0.359	0.12	14.68	16.00	1.355	0.486	23
Left tilted	100	QPSK 135_69	650000/3750	100%	0.264	0.16	14.68	16.00	1.355	0.358	23
Right cheek	100	QPSK 135_69	650000/3750	100%	0.672	-0.09	14.68	16.00	1.355	0.911	23
Right cheek	100	QPSK 135_69	662000/3930	100%	0.615	0.19	14.64	16.00	1.368	0.841	23.2
Right tilted	100	QPSK 135_69	650000/3750	100%	0.472	-0.02	14.68	16.00	1.355	0.640	23
Open Head Test Data (100%RB) Receiver on											
Right cheek	100	QPSK 270_0	650000/3750	100%	0.653	-0.15	13.67	15.00	1.358	0.887	23
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	650000/3750	100%	0.743	0.11	20.71	22.00	1.346	1.000	23
Back side	100	QPSK 1_1	662000/3930	100%	0.725	0.08	20.68	22.00	1.355	0.982	23.2
Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	650000/3750	100%	0.715	-0.06	20.64	22.00	1.368	0.978	23
Back side	100	QPSK 135_69	662000/3930	100%	0.685	-0.17	20.65	22.00	1.365	0.935	23.2
Close body Test data (Separate 10mm 100%RB) sensor on											
Back side	100	QPSK 270_0	650000/3750	100%	0.635	0.18	19.63	21.00	1.371	0.871	23
Close body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	650000/3750	100%	0.206	0.13	22.72	24.00	1.343	0.277	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.124	0.07	22.64	24.00	1.368	0.170	23
Close body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	650000/3750	100%	0.194	0.04	22.67	24.00	1.358	0.263	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.132	0.02	22.57	24.00	1.390	0.183	23
Close body Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous											
Back side	100	QPSK 1_1	650000/3750	100%	0.743	0.11	20.71	19.00	0.675	0.502	23
Close body Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous											
Back side	100	QPSK 135_69	650000/3750	100%	0.715	-0.06	20.64	19.00	0.685	0.490	23
Close body Evaluate data (1RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 1_1	650000/3750	100%	0.206	0.13	22.72	19.00	0.425	0.088	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.124	0.07	22.64	19.00	0.433	0.054	23
Close body Evaluate data (50%RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 135_69	650000/3750	100%	0.194	0.04	22.67	19.00	0.430	0.083	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.132	0.02	22.57	19.00	0.440	0.058	23
Open body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	650000/3750	100%	0.700	0.01	20.71	22.00	1.346	0.942	23
Back side	100	QPSK 1_1	662000/3930	100%	0.712	-0.02	20.68	22.00	1.355	0.965	23.2
Open body Test data (Separate 10mm 50%RB) sensor on											

Back side	100	QPSK 135_69	650000/3750	100%	0.703	0.12	20.64	22.00	1.368	0.962	23
Back side	100	QPSK 135_69	662000/3930	100%	0.677	0.13	20.65	22.00	1.365	0.924	23.2
Open body Test data (Separate 10mm 100%RB) sensor on											
Back side	100	QPSK 270_0	650000/3750	100%	0.621	-0.05	19.63	21.00	1.371	0.851	23
Open body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	650000/3750	100%	0.222	0.07	22.72	24.00	1.343	0.298	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.116	-0.01	22.64	24.00	1.368	0.159	23
Open body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	650000/3750	100%	0.216	0.12	22.67	24.00	1.358	0.293	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.128	0.11	22.57	24.00	1.390	0.178	23
Open body Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous											
Back side	100	QPSK 1_1	650000/3750	100%	0.700	0.01	20.71	19.00	0.675	0.473	23
Open body Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous											
Back side	100	QPSK 135_69	650000/3750	100%	0.703	0.12	20.64	19.00	0.685	0.482	23
Open body Evaluate data (1RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 1_1	650000/3750	100%	0.222	0.07	22.72	19.00	0.425	0.094	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.116	-0.01	22.64	19.00	0.433	0.050	23
Open body Evaluate data (50%RB) sensor off for Simultaneous											
Front side 10mm	100	QPSK 135_69	650000/3750	100%	0.216	0.12	22.67	19.00	0.430	0.093	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.128	0.11	22.57	19.00	0.440	0.056	23
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) sensor on											
Back side	100	QPSK 1_1	650000/3750	100%	0.376	0.15	20.71	22.00	1.346	0.506	23
Product specific 10g SAR Test data (Separate 0mm 50%RB) sensor on											
Back side	100	QPSK 135_69	650000/3750	100%	0.408	-0.09	20.64	22.00	1.368	0.558	23
Product specific 10g SAR Test data (1RB) sensor off											
Front side 0mm	100	QPSK 1_1	650000/3750	100%	0.145	-0.06	22.72	24.00	1.343	0.195	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.134	-0.09	22.72	24.00	1.343	0.180	23
Left side 0mm	100	QPSK 1_1	650000/3750	100%	0.288	0.13	22.72	24.00	1.343	0.387	23
Right side 0mm	100	QPSK 1_1	650000/3750	100%	0.607	-0.02	22.72	24.00	1.343	0.815	23
Bottom side 0mm	100	QPSK 1_1	650000/3750	100%	0.056	-0.01	22.72	24.00	1.343	0.075	23
Product specific 10g SAR Test data (50%RB) sensor off											
Front side 0mm	100	QPSK 135_69	650000/3750	100%	0.121	0.12	22.67	24.00	1.358	0.164	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.136	0.09	22.67	24.00	1.358	0.185	23
Left side 0mm	100	QPSK 135_69	650000/3750	100%	0.229	-0.10	22.67	24.00	1.358	0.311	23
Right side 0mm	100	QPSK 135_69	650000/3750	100%	0.572	0.08	22.67	24.00	1.358	0.777	23
Bottom side 0mm	100	QPSK 135_69	650000/3750	100%	0.038	0.11	22.67	24.00	1.358	0.052	23
Ant7 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)
Open Open Head Test Data (1RB) Receiver on											
Left cheek	100	QPSK 1_1	650000/3750	100%	0.000	-0.13	21.64	23.00	1.368	0.000	23
Left tilted	100	QPSK 1_1	650000/3750	100%	0.000	0.07	21.64	23.00	1.368	0.000	23
Right cheek	100	QPSK 1_1	650000/3750	100%	0.000	0.00	21.64	23.00	1.368	0.000	23
Right tilted	100	QPSK 1_1	650000/3750	100%	0.000	0.18	21.64	23.00	1.368	0.000	23
Open Head Test Data (50%RB) Receiver on											
Left cheek	100	QPSK 135_69	650000/3750	100%	0.000	-0.19	21.60	23.00	1.380	0.000	23
Left tilted	100	QPSK 135_69	650000/3750	100%	0.000	-0.06	21.60	23.00	1.380	0.000	23

Right cheek	100	QPSK 135_69	650000/3750	100%	0.000	-0.03	21.60	23.00	1.380	0.000	23
Right tilted	100	QPSK 135_69	650000/3750	100%	0.000	-0.13	21.60	23.00	1.380	0.000	23
Mouth and jaw regions Position_Cover open (1RB) Receiver on											
Front side 35mm	100	QPSK 1_1	650000/3750	100%	0.105	-0.04	21.64	23.00	1.368	0.144	23
Mouth and jaw regions Position_Cover open (50%RB) Receiver on											
Front side 35mm	100	QPSK 135_69	650000/3750	100%	0.096	-0.06	21.60	23.00	1.380	0.132	23
Close body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	650000/3750	100%	0.774	-0.03	21.64	23.00	1.368	1.059	23
Back side	100	QPSK 1_1	662000/3930	100%	0.719	-0.08	21.64	23.00	1.368	0.984	23.2
Close body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	650000/3750	100%	0.745	0.17	21.60	23.00	1.380	1.028	23
Back side	100	QPSK 135_69	662000/3930	100%	0.639	-0.09	21.60	23.00	1.380	0.882	23.2
Close body Test data (Separate 10mm 100%RB) sensor on											
Back side	100	QPSK 270_0	650000/3750	100%	0.658	0.09	20.57	22.00	1.390	0.915	23
Close body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	650000/3750	100%	0.238	-0.15	22.66	24.00	1.361	0.324	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.168	0.01	22.66	24.00	1.361	0.229	23
Close body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	650000/3750	100%	0.225	-0.19	22.64	24.00	1.368	0.308	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.175	0.14	22.64	24.00	1.368	0.239	23
Open body Test data (Separate 10mm 1RB) sensor on											
Back side	100	QPSK 1_1	650000/3750	100%	0.756	0.05	21.64	23.00	1.368	1.034	23
Back side	100	QPSK 1_1	662000/3930	100%	0.685	-0.06	21.64	23.00	1.368	0.937	23.2
Open body Test data (Separate 10mm 50%RB) sensor on											
Back side	100	QPSK 135_69	650000/3750	100%	0.702	0.07	21.60	23.00	1.380	0.969	23
Back side	100	QPSK 135_69	662000/3930	100%	0.622	-0.09	21.60	23.00	1.380	0.858	23.2
Open body Test data (Separate 10mm 100%RB) sensor on											
Back side	100	QPSK 270_0	650000/3750	100%	0.641	0.07	20.57	22.00	1.390	0.891	23
Open body Test data (1RB) sensor off											
Front side 10mm	100	QPSK 1_1	650000/3750	100%	0.837	0.08	22.66	24.00	1.361	1.139	23
Front side 10mm-PC2	100	QPSK 1_1	650000/3750	50%	0.819	0.08	25.63	27.00	1.371	1.123	23
Front side 10mm-repeated sar	100	QPSK 1_1	650000/3750	100%	0.824	0.01	22.66	24.00	1.361	1.121	23
Front side 10mm	100	QPSK 1_1	662000/3930	100%	0.751	-0.01	22.66	24.00	1.361	1.022	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.163	-0.01	22.66	24.00	1.361	0.222	23
Open body Test data (50%RB) sensor off											
Front side 10mm	100	QPSK 135_69	650000/3750	100%	0.782	0.08	22.64	24.00	1.368	1.070	23
Front side 10mm	100	QPSK 135_69	662000/3930	100%	0.734	0.01	22.64	24.00	1.368	1.004	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.167	0.07	22.64	24.00	1.368	0.228	23
Open body Test data (100%RB) sensor off											
Front side 10mm	100	QPSK 270_0	650000/3750	100%	0.651	0.08	21.59	24.00	1.742	1.134	23
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm 1RB) sensor on											
Back side	100	QPSK 1_1	650000/3750	100%	1.230	0.00	21.64	23.00	1.368	1.683	23
Right side	100	QPSK 1_1	650000/3750	100%	1.300	0.01	21.64	23.00	1.368	1.778	23
Product specific 10g SAR Test data (Separate 0mm 50%RB) sensor on											
Back side	100	QPSK 135_69	650000/3750	100%	1.180	0.14	21.60	23.00	1.380	1.628	23
Right side	100	QPSK 135_69	650000/3750	100%	1.230	0.15	21.60	23.00	1.380	1.697	23
Product specific 10g SAR Test data (1RB) sensor off											

Front side 0mm	100	QPSK 1_1	650000/3750	100%	1.340	0.06	22.66	24.00	1.361	1.824	23
Front side 0mm-PC2	100	QPSK 1_1	650000/3750	50%	1.300	-0.01	25.63	27.00	1.371	1.782	23
Front side 0mm-repeated sar	100	QPSK 1_1	650000/3750	100%	1.100	-0.18	22.66	24.00	1.361	1.497	23
Front side 0mm	100	QPSK 1_1	662000/3930	100%	0.932	0.08	22.66	24.00	1.361	1.268	23
Back side 24mm	100	QPSK 1_1	650000/3750	100%	0.191	0.07	22.66	24.00	1.361	0.260	23
Left side 0mm	100	QPSK 1_1	650000/3750	100%	0.228	0.17	22.66	24.00	1.361	0.310	23
Right side 18mm	100	QPSK 1_1	650000/3750	100%	0.232	-0.19	22.66	24.00	1.361	0.316	23
Bottom side 0mm	100	QPSK 1_1	650000/3750	100%	0.651	-0.14	22.66	24.00	1.361	0.886	23
Product specific 10g SAR Test data (50%RB) sensor off											
Front side 0mm	100	QPSK 135_69	650000/3750	100%	0.987	-0.11	22.64	24.00	1.368	1.350	23
Front side 0mm	100	QPSK 135_69	662000/3930	100%	0.927	0.09	22.64	24.00	1.368	1.268	23
Back side 24mm	100	QPSK 135_69	650000/3750	100%	0.209	0.18	22.64	24.00	1.368	0.286	23
Left side 0mm	100	QPSK 135_69	650000/3750	100%	0.209	-0.13	22.64	24.00	1.368	0.286	23
Right side 18mm	100	QPSK 135_69	650000/3750	100%	0.212	0.15	22.64	24.00	1.368	0.290	23
Bottom side 0mm	100	QPSK 135_69	650000/3750	100%	0.676	0.09	22.64	24.00	1.368	0.925	23

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	650000/3750	0.800	0.793	1.009	N/A	N/A
Front side 10mm	650000/3750	0.837	0.824	1.016	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 (~ 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.						

8.3.26 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)
Open Head Test Data											
Left cheek	802.11b	1/2412	98.82%	1.012	0.073	-0.13	16.97	18.00	1.268	0.094	22.3
Left tilted	802.11b	1/2412	98.82%	1.012	0.000	0.06	16.97	18.00	1.268	0.000	22.3
Right cheek	802.11b	1/2412	98.82%	1.012	0.043	0.10	16.97	18.00	1.268	0.055	22.3
Right tilted	802.11b	1/2412	98.82%	1.012	0.000	-0.02	16.97	18.00	1.268	0.000	22.3
Close Body Test data (Separate 10mm)											
Front side	802.11b	1/2412	98.82%	1.012	0.000	-0.17	16.97	18.00	1.268	0.000	22.3
Back side	802.11b	1/2412	98.82%	1.012	0.031	0.08	16.97	18.00	1.268	0.040	22.3
Open Body Test data (Separate 10mm)											
Front side	802.11b	1/2412	98.82%	1.012	0.000	0.05	16.97	18.00	1.268	0.000	22.3
Back side	802.11b	1/2412	98.82%	1.012	0.024	-0.06	16.97	18.00	1.268	0.031	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 10g SAR Test data (Separate 0mm)											
Front side	802.11b	1/2412	98.82%	1.012	0.000	-0.07	16.97	18.00	1.268	0.000	22.3
Back side	802.11b	1/2412	98.82%	1.012	0.000	-0.14	16.97	18.00	1.268	0.000	22.3
Left side	802.11b	1/2412	98.82%	1.012	0.057	0.06	16.97	18.00	1.268	0.073	22.3
Right side	802.11b	1/2412	98.82%	1.012	0.000	0.06	16.97	18.00	1.268	0.000	22.3

8.3.27 SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record											
Ant9 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data of U-NII-2A											
Left cheek	802.11a	64/5320	98.31%	1.017	0.533	0.13	15.47	16.00	1.130	0.613	22.4
Left tilted	802.11a	64/5320	98.31%	1.017	0.152	-0.17	15.47	16.00	1.130	0.175	22.4
Right cheek	802.11a	64/5320	98.31%	1.017	0.210	0.18	15.47	16.00	1.130	0.241	22.4
Right tilted	802.11a	64/5320	98.31%	1.017	0.098	0.09	15.47	16.00	1.130	0.113	22.4
Head Test Data of U-NII-2C											
Left cheek	802.11a	100/5500	98.31%	1.017	0.468	-0.02	15.18	16.00	1.208	0.575	22.4
Left tilted	802.11a	100/5500	98.31%	1.017	0.130	-0.02	15.18	16.00	1.208	0.160	22.4
Right cheek	802.11a	100/5500	98.31%	1.017	0.159	0.00	15.18	16.00	1.208	0.195	22.4
Right tilted	802.11a	100/5500	98.31%	1.017	0.101	-0.11	15.18	16.00	1.208	0.124	22.4
Head Test Data of U-NII-3											
Left cheek	802.11a	149/5745	98.31%	1.017	0.692	0.02	15.26	16.00	1.186	0.835	22.4
Left cheek	802.11a	157/5785	98.31%	1.017	0.523	-0.04	14.14	16.00	1.535	0.816	22.4
Left cheek	802.11a	165/5825	98.31%	1.017	0.632	-0.17	15.13	16.00	1.222	0.785	22.4
Left tilted	802.11a	149/5745	98.31%	1.017	0.178	0.06	15.26	16.00	1.186	0.215	22.4
Right cheek	802.11a	149/5745	98.31%	1.017	0.199	-0.18	15.26	16.00	1.186	0.240	22.4
Right tilted	802.11a	149/5745	98.31%	1.017	0.136	-0.14	15.26	16.00	1.186	0.164	22.4
Head Evaluate Data of U-NII-2A for Simultaneous											
Left cheek	802.11a	64/5320	98.31%	1.017	0.533	0.13	15.47	13.00	0.566	0.307	22.4
Left tilted	802.11a	64/5320	98.31%	1.017	0.152	-0.17	15.47	13.00	0.566	0.087	22.4
Right cheek	802.11a	64/5320	98.31%	1.017	0.210	0.18	15.47	13.00	0.566	0.121	22.4
Right tilted	802.11a	64/5320	98.31%	1.017	0.098	0.09	15.47	13.00	0.566	0.056	22.4
Head Evaluate Data of U-NII-2C for Simultaneous											
Left cheek	802.11a	100/5500	98.31%	1.017	0.468	-0.02	15.18	13.00	0.605	0.288	22.4
Left tilted	802.11a	100/5500	98.31%	1.017	0.130	-0.02	15.18	13.00	0.605	0.080	22.4
Right cheek	802.11a	100/5500	98.31%	1.017	0.159	0.00	15.18	13.00	0.605	0.098	22.4
Right tilted	802.11a	100/5500	98.31%	1.017	0.101	-0.11	15.18	13.00	0.605	0.062	22.4
Head Evaluate Data of U-NII-3 for Simultaneous											
Left cheek	802.11a	149/5745	98.31%	1.017	0.692	0.02	15.26	13.00	0.594	0.418	22.4
Left tilted	802.11a	149/5745	98.31%	1.017	0.178	0.06	15.26	13.00	0.594	0.108	22.4
Right cheek	802.11a	149/5745	98.31%	1.017	0.199	-0.18	15.26	13.00	0.594	0.120	22.4
Right tilted	802.11a	149/5745	98.31%	1.017	0.136	-0.14	15.26	13.00	0.594	0.082	22.4
Close Body Test data of U-NII-2A (Separate 10mm)											
Front side	802.11a	64/5320	98.31%	1.017	0.142	0.11	15.47	16.00	1.130	0.163	22.4
Back side	802.11a	64/5320	98.31%	1.017	0.289	-0.01	15.47	16.00	1.130	0.332	22.4
Close Body Test data of U-NII-2C (Separate 10mm)											
Front side	802.11a	100/5500	98.31%	1.017	0.098	0.13	15.18	16.00	1.208	0.120	22.4
Back side	802.11a	100/5500	98.31%	1.017	0.207	0.03	15.18	16.00	1.208	0.254	22.4
Close Body Test data of U-NII-3 (Separate 10mm)											
Front side	802.11a	149/5745	98.31%	1.017	0.109	-0.12	15.26	16.00	1.186	0.131	22.4
Back side	802.11a	149/5745	98.31%	1.017	0.209	0.02	15.26	16.00	1.186	0.252	22.4
Open Body Test data of U-NII-2A (Separate 10mm)											
Front side	802.11a	64/5320	98.31%	1.017	0.000	0.05	15.47	16.00	1.130	0.000	22.4
Back side	802.11a	64/5320	98.31%	1.017	0.245	-0.01	15.47	16.00	1.130	0.282	22.4

Open Body Test data of U-NII-2C (Separate 10mm)											
Front side	802.11a	100/5500	98.31%	1.017	0.000	0.12	15.18	16.00	1.208	0.000	22.4
Back side	802.11a	100/5500	98.31%	1.017	0.198	0.18	15.18	16.00	1.208	0.243	22.4
Open Body Test data of U-NII-3 (Separate 10mm)											
Front side	802.11a	149/5745	98.31%	1.017	0.000	-0.19	15.26	16.00	1.186	0.000	22.4
Back side	802.11a	149/5745	98.31%	1.017	0.188	0.13	15.26	16.00	1.186	0.227	22.4
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 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data of U-NII-2A (Separate 0mm)											
Front side	802.11a	64/5320	98.31%	1.017	0.072	-0.19	15.47	16.00	1.130	0.083	22.4
Back side	802.11a	64/5320	98.31%	1.017	0.276	-0.14	15.47	16.00	1.130	0.317	22.4
Left side	802.11a	64/5320	98.31%	1.017	1.220	0.06	15.47	16.00	1.130	1.402	22.4
Right side	802.11a	64/5320	98.31%	1.017	0.168	-0.05	15.47	16.00	1.130	0.193	22.4
Product specific 10g SAR Test data of U-NII-2C (Separate 0mm)											
Front side	802.11a	100/5500	98.31%	1.017	0.083	0.16	15.18	16.00	1.208	0.102	22.4
Back side	802.11a	100/5500	98.31%	1.017	0.153	0.11	15.18	16.00	1.208	0.188	22.4
Left side	802.11a	100/5500	98.31%	1.017	1.020	0.01	15.18	16.00	1.208	1.253	22.4
Right side	802.11a	100/5500	98.31%	1.017	0.133	-0.09	15.18	16.00	1.208	0.163	22.4
Product specific 10g SAR Test data of U-NII-3 (Separate 0mm)											
Front side	802.11a	149/5745	98.31%	1.017	0.129	0.01	15.26	16.00	1.186	0.156	22.4
Back side	802.11a	149/5745	98.31%	1.017	0.120	-0.14	15.26	16.00	1.186	0.145	22.4
Left side	802.11a	149/5745	98.31%	1.017	1.000	-0.17	15.26	16.00	1.186	1.206	22.4
Right side	802.11a	149/5745	98.31%	1.017	0.142	0.10	15.26	16.00	1.186	0.171	22.4
Product specific 10g SAR Evaluate data of U-NII-2A (Separate 0mm) for Simultaneous											
Front side	802.11a	64/5320	98.31%	1.017	0.072	-0.19	15.47	13.00	0.566	0.041	22.4
Back side	802.11a	64/5320	98.31%	1.017	0.276	-0.14	15.47	13.00	0.566	0.159	22.4
Left side	802.11a	64/5320	98.31%	1.017	1.220	0.06	15.47	13.00	0.566	0.702	22.4
Right side	802.11a	64/5320	98.31%	1.017	0.168	-0.05	15.47	13.00	0.566	0.097	22.4
Product specific 10g SAR Evaluate data of U-NII-2C (Separate 0mm) for Simultaneous											
Front side	802.11a	100/5500	98.31%	1.017	0.083	0.16	15.18	13.00	0.605	0.051	22.4
Back side	802.11a	100/5500	98.31%	1.017	0.153	0.11	15.18	13.00	0.605	0.094	22.4
Left side	802.11a	100/5500	98.31%	1.017	1.020	0.01	15.18	13.00	0.605	0.628	22.4
Right side	802.11a	100/5500	98.31%	1.017	0.133	-0.09	15.18	13.00	0.605	0.082	22.4
Product specific 10g SAR Evaluate data of U-NII-3 (Separate 0mm) for Simultaneous											
Front side	802.11a	149/5745	98.31%	1.017	0.129	0.01	15.26	13.00	0.594	0.078	22.4
Back side	802.11a	149/5745	98.31%	1.017	0.120	-0.14	15.26	13.00	0.594	0.072	22.4
Left side	802.11a	149/5745	98.31%	1.017	1.000	-0.17	15.26	13.00	0.594	0.604	22.4
Right side	802.11a	149/5745	98.31%	1.017	0.142	0.10	15.26	13.00	0.594	0.086	22.4

8.3.28 SAR Result of BT

Bluetooth SAR Test Record											
Ant8 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)
Open Head Test Data											
Left cheek	DH5	39/2441	76.99%	1.299	0.018	0.05	5.91	7.00	1.285	0.030	22.3
Left tilted	DH5	39/2441	76.99%	1.299	0.000	0.05	5.91	7.00	1.285	0.000	22.3
Right cheek	DH5	39/2441	76.99%	1.299	0.000	0.09	5.91	7.00	1.285	0.000	22.3
Right tilted	DH5	39/2441	76.99%	1.299	0.000	0.03	5.91	7.00	1.285	0.000	22.3
Open Body Test data (Separate 10mm)											
Front side	DH5	39/2441	76.99%	1.299	0.000	-0.01	5.91	7.00	1.285	0.000	22.3
Back side	DH5	39/2441	76.99%	1.299	0.006	0.03	5.91	7.00	1.285	0.010	22.3
Open Body Test data (Separate 10mm)											
Front side	DH5	39/2441	76.99%	1.299	0.000	0.08	5.91	7.00	1.285	0.000	22.3
Back side	DH5	39/2441	76.99%	1.299	0.000	-0.01	5.91	7.00	1.285	0.000	22.3
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 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data (Separate 0mm)											
Front side	DH5	39/2441	76.99%	1.299	0.000	-0.15	5.91	7.00	1.285	0.000	22.3
Back side	DH5	39/2441	76.99%	1.299	0.000	0.05	5.91	7.00	1.285	0.000	22.3
Left side	DH5	39/2441	76.99%	1.299	0.050	0.11	5.91	7.00	1.285	0.083	22.3
Right side	DH5	39/2441	76.99%	1.299	0.000	0.08	5.91	7.00	1.285	0.000	22.3

8.4 LTE Band 41 and NR Band n41/n77 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41 and NR Band n41/n77. 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 and NR Band n41/n77 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 Ant4 Head		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	27.00
Measured power(dBm)	23.06	26.21
Measured SAR(W/kg)	0.011	0.015
Measured power(mw)	202.30	417.83
Duty Cycle	63.3%	43.3%
Frame Average power(mw)	128.06	180.92
% deviation from expected linearity		-3.48%

LTE Band 41 PC3&PC2 Ant4 Close body 10mm		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	27.00
Measured power(dBm)	23.06	26.21
Measured SAR(W/kg)	0.156	0.231
Measured power(mw)	202.30	417.83
Duty Cycle	63.3%	43.3%
Frame Average power(mw)	128.06	180.92
% deviation from expected linearity		4.81%

LTE Band 41 PC3&PC2 Ant4 Product specific 10g SAR 0mm		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	27.00
Measured power(dBm)	23.06	26.21
Measured SAR(W/kg)	0.653	0.947
Measured power(mw)	202.30	417.83
Duty Cycle	63.3%	43.3%
Frame Average power(mw)	128.06	180.92
% deviation from expected linearity		2.65%

NR Band n41 PC3&PC2 Ant5 Head		
	Power Class 3	Power Class 2
Tune-up(dBm)	20.50	20.50
Measured power(dBm)	18.68	18.66
Measured SAR(W/kg)	0.75	0.385
Measured power(mw)	73.79	73.45
Duty Cycle	100.0%	50.0%
Frame Average power(mw)	73.79	36.73
% deviation from expected linearity		3.14%

NR Band n41 PC3&PC2 Ant5 Close body 10mm		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	26.50
Measured power(dBm)	22.21	24.64
Measured SAR(W/kg)	0.406	0.355
Measured power(mw)	166.34	291.07
Duty Cycle	100.0%	50.0%
Frame Average power(mw)	166.34	145.54
% deviation from expected linearity		-0.06%

NR Band n41 PC3&PC2 Ant4 Product specific 10g SAR 0mm		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	25.00
Measured power(dBm)	22.16	23.48
Measured SAR(W/kg)	1.82	1.22
Measured power(mw)	164.44	222.84
Duty Cycle	100.0%	50.0%
Frame Average power(mw)	164.44	111.42
% deviation from expected linearity		-1.07%

NR Band n77 PC3&PC2 Ant4 Head		
	Power Class 3	Power Class 2
Tune-up(dBm)	16.00	16.00
Measured power(dBm)	14.72	14.66
Measured SAR(W/kg)	0.8	0.411
Measured power(mw)	29.65	29.24
Duty Cycle	100.0%	50.0%
Frame Average power(mw)	29.65	14.62
% deviation from expected linearity		4.18%

NR Band n77 PC3&PC2 Ant4 Close body 10mm		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	27.00
Measured power(dBm)	22.66	25.63
Measured SAR(W/kg)	0.837	0.819
Measured power(mw)	184.50	365.59
Duty Cycle	100.0%	50.0%
Frame Average power(mw)	184.50	182.80
% deviation from expected linearity		-1.24%



NR Band n77 PC3&PC2 Ant4 Product specific 10g SAR 0mm		
	Power Class 3	Power Class 2
Tune-up(dBm)	24.00	27.00
Measured power(dBm)	22.66	25.63
Measured SAR(W/kg)	1.34	1.3
Measured power(mw)	184.50	365.59
Duty Cycle	100.0%	50.0%
Frame Average power(mw)	184.50	182.80
% deviation from expected linearity		-2.08%

8.5 Multiple Transmitter Evaluation

8.5.1 Simultaneous SAR test evaluation

No.	Simultaneous Tx Combination	Head	Body worn	Product specific 10gSAR
1	WIFI2.4G+BT	Y	Y	Y
2	WIFI5G+BT	Y	Y	Y
3	WIFI2.4G+WIFI5G	Y	Y	Y
4	WIFI2.4G+WIFI5G+BT	Y	Y	Y
5	WWAN+WIFI2.4G	Y	Y	Y
6	WWAN+BT	Y	Y	Y
7	WWAN+WIFI5G	Y	Y	Y
8	WWAN+WIFI2.4G	Y	Y	Y
9	WWAN+WIFI2.4G+BT	Y	Y	Y
10	WWAN+WIFI5G+BT	Y	Y	Y
11	WWAN+WIFI2.4G+WIFI5G	Y	Y	Y
12	WWAN+WIFI2.4G+WIFI5G+BT	Y	Y	Y

8.5.2 Simultaneous Transmission SAR Summation Scenario

Head:

Test position		SARmax (W/kg)				Summed SAR 1+2+3+4
		WWAN	WiFi 2.4G	WiFi 5G	BT	
		1	2	3	4	
WCDMA Band II	Left cheek	0.056	0.094	0.418	0.030	0.598
	Left tilted	0.056	0.000	0.108	0.000	0.164
	Right cheek	0.056	0.055	0.121	0.000	0.232
	Right tilted	0.056	0.000	0.082	0.000	0.138
WCDMA Band IV	Left cheek	0.044	0.094	0.418	0.030	0.586
	Left tilted	0.044	0.000	0.108	0.000	0.152
	Right cheek	0.044	0.055	0.121	0.000	0.220
	Right tilted	0.044	0.000	0.082	0.000	0.126
WCDMA Band V	Left cheek	0.085	0.094	0.418	0.030	0.627
	Left tilted	0.085	0.000	0.108	0.000	0.193
	Right cheek	0.085	0.055	0.121	0.000	0.261
	Right tilted	0.085	0.000	0.082	0.000	0.167
LTE Band 7	Left cheek	0.645	0.094	0.418	0.030	1.187
	Left tilted	0.312	0.000	0.108	0.000	0.420
	Right cheek	1.033	0.055	0.121	0.000	1.209
	Right tilted	0.629	0.000	0.082	0.000	0.711
LTE Band 12(17)	Left cheek	0.043	0.094	0.418	0.030	0.585
	Left tilted	0.043	0.000	0.108	0.000	0.151
	Right cheek	0.043	0.055	0.121	0.000	0.219
	Right tilted	0.043	0.000	0.082	0.000	0.125
LTE Band 13	Left cheek	0.086	0.094	0.418	0.030	0.628
	Left tilted	0.086	0.000	0.108	0.000	0.194
	Right cheek	0.086	0.055	0.121	0.000	0.262
	Right tilted	0.086	0.000	0.082	0.000	0.168
LTE Band 14	Left cheek	0.111	0.094	0.418	0.030	0.653
	Left tilted	0.111	0.000	0.108	0.000	0.219
	Right cheek	0.111	0.055	0.121	0.000	0.287
	Right tilted	0.111	0.000	0.082	0.000	0.193
LTE Band 25(2)	Left cheek	0.745	0.094	0.418	0.030	1.287
	Left tilted	0.496	0.000	0.108	0.000	0.604
	Right cheek	1.033	0.055	0.121	0.000	1.209
	Right tilted	0.654	0.000	0.082	0.000	0.736
LTE Band 26(5)	Left cheek	0.067	0.094	0.418	0.030	0.609
	Left tilted	0.067	0.000	0.108	0.000	0.175
	Right cheek	0.067	0.055	0.121	0.000	0.243
	Right tilted	0.067	0.000	0.082	0.000	0.149
LTE Band 30	Left cheek	0.515	0.094	0.418	0.030	1.057
	Left tilted	0.143	0.000	0.108	0.000	0.251
	Right cheek	0.559	0.055	0.121	0.000	0.735
	Right tilted	0.146	0.000	0.082	0.000	0.228
LTE Band 41(38)	Left cheek	0.018	0.094	0.418	0.030	0.560
	Left tilted	0.018	0.000	0.108	0.000	0.126
	Right cheek	0.018	0.055	0.121	0.000	0.194
	Right tilted	0.018	0.000	0.082	0.000	0.100
LTE Band 48	Left cheek	1.002	0.094	0.418	0.030	1.544

	Left tilted	0.652	0.000	0.108	0.000	0.760
	Right cheek	0.778	0.055	0.121	0.000	0.954
	Right tilted	0.605	0.000	0.082	0.000	0.687
LTE Band 66	Left cheek	0.118	0.094	0.418	0.030	0.660
	Left tilted	0.000	0.000	0.108	0.000	0.108
	Right cheek	0.354	0.055	0.121	0.000	0.530
	Right tilted	0.000	0.000	0.082	0.000	0.082
LTE Band 71	Left cheek	0.022	0.094	0.418	0.030	0.564
	Left tilted	0.022	0.000	0.108	0.000	0.130
	Right cheek	0.022	0.055	0.121	0.000	0.198
	Right tilted	0.022	0.000	0.082	0.000	0.104
NR Band n5	Left cheek	0.105	0.094	0.418	0.030	0.647
	Left tilted	0.105	0.000	0.108	0.000	0.213
	Right cheek	0.105	0.055	0.121	0.000	0.281
	Right tilted	0.105	0.000	0.082	0.000	0.187
NR Band n7	Left cheek	0.444	0.094	0.418	0.030	0.986
	Left tilted	0.363	0.000	0.108	0.000	0.471
	Right cheek	0.973	0.055	0.121	0.000	1.149
	Right tilted	0.692	0.000	0.082	0.000	0.774
NR Band n14	Left cheek	0.124	0.094	0.418	0.030	0.666
	Left tilted	0.124	0.000	0.108	0.000	0.232
	Right cheek	0.124	0.055	0.121	0.000	0.300
	Right tilted	0.124	0.000	0.082	0.000	0.206
NR Band n25(2)	Left cheek	0.528	0.094	0.418	0.030	1.070
	Left tilted	0.344	0.000	0.108	0.000	0.452
	Right cheek	0.954	0.055	0.121	0.000	1.130
	Right tilted	0.762	0.000	0.082	0.000	0.844
NR Band n30	Left cheek	0.309	0.094	0.418	0.030	0.851
	Left tilted	0.217	0.000	0.108	0.000	0.325
	Right cheek	0.780	0.055	0.121	0.000	0.956
	Right tilted	0.659	0.000	0.082	0.000	0.741
NR Band n41(38)	Left cheek	0.552	0.094	0.418	0.030	1.094
	Left tilted	0.183	0.000	0.108	0.000	0.291
	Right cheek	1.141	0.055	0.121	0.000	1.317
	Right tilted	0.172	0.000	0.082	0.000	0.254
NR Band n48	Left cheek	1.040	0.094	0.418	0.030	1.582
	Left tilted	0.570	0.000	0.108	0.000	0.678
	Right cheek	0.665	0.055	0.121	0.000	0.841
	Right tilted	0.500	0.000	0.082	0.000	0.582
NR Band n66	Left cheek	0.050	0.094	0.418	0.030	0.592
	Left tilted	0.000	0.000	0.108	0.000	0.108
	Right cheek	0.273	0.055	0.121	0.000	0.449
	Right tilted	0.000	0.000	0.082	0.000	0.082
NR Band n71	Left cheek	0.062	0.094	0.418	0.030	0.604
	Left tilted	0.062	0.000	0.108	0.000	0.170
	Right cheek	0.062	0.055	0.121	0.000	0.238
	Right tilted	0.062	0.000	0.082	0.000	0.144
NR Band n77	Left cheek	0.616	0.094	0.418	0.030	1.158
	Left tilted	0.497	0.000	0.108	0.000	0.605
	Right cheek	1.074	0.055	0.121	0.000	1.250
	Right tilted	0.647	0.000	0.082	0.000	0.729

Test position		SARmax (W/kg)				Summed SAR
		Inter-band UL CA	WiFi 2.4G	WiFi 5G	BT	
		1	2	3	4	
CA_2A-4A	Left cheek	0.293	0.094	0.418	0.030	0.835
	Left tilted	0.175	0.000	0.108	0.000	0.283
	Right cheek	0.529	0.055	0.121	0.000	0.705
	Right tilted	0.175	0.000	0.082	0.000	0.257
CA_2A-5A	Left cheek	0.812	0.094	0.418	0.030	1.354
	Left tilted	0.563	0.000	0.108	0.000	0.671
	Right cheek	1.100	0.055	0.121	0.000	1.276
	Right tilted	0.721	0.000	0.082	0.000	0.803
CA_2A-12A	Left cheek	0.788	0.094	0.418	0.030	1.330
	Left tilted	0.539	0.000	0.108	0.000	0.647
	Right cheek	1.076	0.055	0.121	0.000	1.252
	Right tilted	0.697	0.000	0.082	0.000	0.779
CA_2A-13A	Left cheek	0.831	0.094	0.418	0.030	1.373
	Left tilted	0.582	0.000	0.108	0.000	0.690
	Right cheek	1.119	0.055	0.121	0.000	1.295
	Right tilted	0.740	0.000	0.082	0.000	0.822
CA_2A-14A	Left cheek	0.856	0.094	0.418	0.030	1.398
	Left tilted	0.607	0.000	0.108	0.000	0.715
	Right cheek	1.144	0.055	0.121	0.000	1.320
	Right tilted	0.765	0.000	0.082	0.000	0.847
CA_2A-30A	Left cheek	0.690	0.094	0.418	0.030	1.232
	Left tilted	0.318	0.000	0.108	0.000	0.426
	Right cheek	0.734	0.055	0.121	0.000	0.910
	Right tilted	0.321	0.000	0.082	0.000	0.403
CA_2A-66A	Left cheek	0.293	0.094	0.418	0.030	0.835
	Left tilted	0.175	0.000	0.108	0.000	0.283
	Right cheek	0.529	0.055	0.121	0.000	0.705
	Right tilted	0.175	0.000	0.082	0.000	0.257
CA_2A-71A	Left cheek	0.767	0.094	0.418	0.030	1.309
	Left tilted	0.518	0.000	0.108	0.000	0.626
	Right cheek	1.055	0.055	0.121	0.000	1.231
	Right tilted	0.676	0.000	0.082	0.000	0.758
CA_4A-5A	Left cheek	0.185	0.094	0.418	0.030	0.727
	Left tilted	0.067	0.000	0.108	0.000	0.175
	Right cheek	0.421	0.055	0.121	0.000	0.597
	Right tilted	0.067	0.000	0.082	0.000	0.149
CA_4A-12A	Left cheek	0.161	0.094	0.418	0.030	0.703
	Left tilted	0.043	0.000	0.108	0.000	0.151
	Right cheek	0.397	0.055	0.121	0.000	0.573
	Right tilted	0.043	0.000	0.082	0.000	0.125
CA_4A-13A	Left cheek	0.204	0.094	0.418	0.030	0.746
	Left tilted	0.086	0.000	0.108	0.000	0.194
	Right cheek	0.440	0.055	0.121	0.000	0.616
	Right tilted	0.086	0.000	0.082	0.000	0.168
CA_4A-14A	Left cheek	0.229	0.094	0.418	0.030	0.771
	Left tilted	0.111	0.000	0.108	0.000	0.219
	Right cheek	0.465	0.055	0.121	0.000	0.641

	Right tilted	0.111	0.000	0.082	0.000	0.193
CA_4A-30A	Left cheek	0.623	0.094	0.418	0.030	1.165
	Left tilted	0.251	0.000	0.108	0.000	0.359
	Right cheek	0.667	0.055	0.121	0.000	0.843
	Right tilted	0.254	0.000	0.082	0.000	0.336
CA_4A-71A	Left cheek	0.140	0.094	0.418	0.030	0.682
	Left tilted	0.022	0.000	0.108	0.000	0.130
	Right cheek	0.376	0.055	0.121	0.000	0.552
	Right tilted	0.022	0.000	0.082	0.000	0.104
CA_5A-30A	Left cheek	0.582	0.094	0.418	0.030	1.124
	Left tilted	0.210	0.000	0.108	0.000	0.318
	Right cheek	0.626	0.055	0.121	0.000	0.802
	Right tilted	0.213	0.000	0.082	0.000	0.295
CA_5A-66A	Left cheek	0.185	0.094	0.418	0.030	0.727
	Left tilted	0.067	0.000	0.108	0.000	0.175
	Right cheek	0.421	0.055	0.121	0.000	0.597
	Right tilted	0.067	0.000	0.082	0.000	0.149
CA_12A-30A	Left cheek	0.558	0.094	0.418	0.030	1.100
	Left tilted	0.186	0.000	0.108	0.000	0.294
	Right cheek	0.602	0.055	0.121	0.000	0.778
	Right tilted	0.189	0.000	0.082	0.000	0.271
CA_12A-66A	Left cheek	0.161	0.094	0.418	0.030	0.703
	Left tilted	0.043	0.000	0.108	0.000	0.151
	Right cheek	0.397	0.055	0.121	0.000	0.573
	Right tilted	0.043	0.000	0.082	0.000	0.125
CA_13A-66A	Left cheek	0.204	0.094	0.418	0.030	0.746
	Left tilted	0.086	0.000	0.108	0.000	0.194
	Right cheek	0.440	0.055	0.121	0.000	0.616
	Right tilted	0.086	0.000	0.082	0.000	0.168
CA_14A-30A	Left cheek	0.626	0.094	0.418	0.030	1.168
	Left tilted	0.254	0.000	0.108	0.000	0.362
	Right cheek	0.670	0.055	0.121	0.000	0.846
	Right tilted	0.257	0.000	0.082	0.000	0.339
CA_14A-66A	Left cheek	0.229	0.094	0.418	0.030	0.771
	Left tilted	0.111	0.000	0.108	0.000	0.219
	Right cheek	0.465	0.055	0.121	0.000	0.641
	Right tilted	0.111	0.000	0.082	0.000	0.193
CA_30A-66A	Left cheek	0.254	0.094	0.418	0.030	0.796
	Left tilted	0.136	0.000	0.108	0.000	0.244
	Right cheek	0.490	0.055	0.121	0.000	0.666
	Right tilted	0.136	0.000	0.082	0.000	0.218
CA_66A-71A	Left cheek	0.140	0.094	0.418	0.030	0.682
	Left tilted	0.022	0.000	0.108	0.000	0.130
	Right cheek	0.376	0.055	0.121	0.000	0.552
	Right tilted	0.022	0.000	0.082	0.000	0.104

Test position		SARmax (W/kg)				Summed SAR
		EN-DC Max SAR	WiFi 2.4G	WiFi 5G	BT	
		1	2	3	4	
DC_5A_n2A	Left cheek	0.595	0.094	0.418	0.030	1.137
	Left tilted	0.411	0.000	0.108	0.000	0.519
	Right cheek	1.021	0.055	0.121	0.000	1.197

	Right tilted	0.829	0.000	0.082	0.000	0.911
DC_12A_n2A	Left cheek	0.571	0.094	0.418	0.030	1.113
	Left tilted	0.387	0.000	0.108	0.000	0.495
	Right cheek	0.997	0.055	0.121	0.000	1.173
	Right tilted	0.805	0.000	0.082	0.000	0.887
	Left cheek	0.614	0.094	0.418	0.030	1.156
DC_13A_n2A	Left tilted	0.430	0.000	0.108	0.000	0.538
	Right cheek	1.040	0.055	0.121	0.000	1.216
	Right tilted	0.848	0.000	0.082	0.000	0.930
	Left cheek	0.639	0.094	0.418	0.030	1.181
DC_14A_n2A	Left tilted	0.455	0.000	0.108	0.000	0.563
	Right cheek	1.065	0.055	0.121	0.000	1.241
	Right tilted	0.873	0.000	0.082	0.000	0.955
	Left cheek	0.685	0.094	0.418	0.030	1.227
DC_30A_n2A	Left tilted	0.313	0.000	0.108	0.000	0.421
	Right cheek	0.729	0.055	0.121	0.000	0.905
	Right tilted	0.316	0.000	0.082	0.000	0.398
	Left cheek	0.288	0.094	0.418	0.030	0.830
DC_66A_n2A	Left tilted	0.170	0.000	0.108	0.000	0.278
	Right cheek	0.524	0.055	0.121	0.000	0.700
	Right tilted	0.170	0.000	0.082	0.000	0.252
	Left cheek	0.850	0.094	0.418	0.030	1.392
DC_2A_n5A	Left tilted	0.601	0.000	0.108	0.000	0.709
	Right cheek	1.138	0.055	0.121	0.000	1.314
	Right tilted	0.759	0.000	0.082	0.000	0.841
	Left cheek	0.620	0.094	0.418	0.030	1.162
DC_30A_n5A	Left tilted	0.248	0.000	0.108	0.000	0.356
	Right cheek	0.664	0.055	0.121	0.000	0.840
	Right tilted	0.251	0.000	0.082	0.000	0.333
	Left cheek	0.223	0.094	0.418	0.030	0.765
DC_66A_n5A	Left tilted	0.105	0.000	0.108	0.000	0.213
	Right cheek	0.459	0.055	0.121	0.000	0.635
	Right tilted	0.105	0.000	0.082	0.000	0.187
	Left cheek	0.212	0.094	0.418	0.030	0.754
DC_66A_n25A	Left tilted	0.092	0.000	0.108	0.000	0.200
	Right cheek	0.452	0.055	0.121	0.000	0.628
	Right tilted	0.050	0.000	0.082	0.000	0.132
	Left cheek	0.951	0.094	0.418	0.030	1.493
DC_2A_n41A	Left tilted	0.702	0.000	0.108	0.000	0.810
	Right cheek	1.239	0.055	0.121	0.000	1.415
	Right tilted	0.860	0.000	0.082	0.000	0.942
	Left cheek	0.324	0.094	0.418	0.030	0.866
DC_66A_n41A	Left tilted	0.206	0.000	0.108	0.000	0.314
	Right cheek	0.560	0.055	0.121	0.000	0.736
	Right tilted	0.206	0.000	0.082	0.000	0.288
	Left cheek	0.851	0.094	0.418	0.030	1.393
DC_2A_n66A	Left tilted	0.602	0.000	0.108	0.000	0.710
	Right cheek	1.139	0.055	0.121	0.000	1.315
	Right tilted	0.760	0.000	0.082	0.000	0.842
	Left cheek	0.117	0.094	0.418	0.030	0.659
DC_5A_n66A	Left tilted	0.067	0.000	0.108	0.000	0.175
	Right cheek	0.340	0.055	0.121	0.000	0.516
	Right tilted	0.067	0.000	0.082	0.000	0.149
	Left cheek	0.093	0.094	0.418	0.030	0.635
DC_12A_n66A	Left tilted	0.043	0.000	0.108	0.000	0.151
	Right cheek	0.316	0.055	0.121	0.000	0.492
	Right tilted	0.043	0.000	0.082	0.000	0.125

DC_13A_n66A	Left cheek	0.136	0.094	0.418	0.030	0.678
	Left tilted	0.086	0.000	0.108	0.000	0.194
	Right cheek	0.359	0.055	0.121	0.000	0.535
	Right tilted	0.086	0.000	0.082	0.000	0.168
DC_14A_n66A	Left cheek	0.161	0.094	0.418	0.030	0.703
	Left tilted	0.111	0.000	0.108	0.000	0.219
	Right cheek	0.384	0.055	0.121	0.000	0.560
	Right tilted	0.111	0.000	0.082	0.000	0.193
DC_30A_n66A	Left cheek	0.621	0.094	0.418	0.030	1.163
	Left tilted	0.249	0.000	0.108	0.000	0.357
	Right cheek	0.665	0.055	0.121	0.000	0.841
	Right tilted	0.252	0.000	0.082	0.000	0.334
DC_2A_n71A	Left cheek	0.807	0.094	0.418	0.030	1.349
	Left tilted	0.558	0.000	0.108	0.000	0.666
	Right cheek	1.095	0.055	0.121	0.000	1.271
	Right tilted	0.716	0.000	0.082	0.000	0.798
DC_66A_n71A	Left cheek	0.180	0.094	0.418	0.030	0.722
	Left tilted	0.062	0.000	0.108	0.000	0.170
	Right cheek	0.416	0.055	0.121	0.000	0.592
	Right tilted	0.062	0.000	0.082	0.000	0.144
DC_2A_n77A	Left cheek	0.791	0.094	0.418	0.030	1.333
	Left tilted	0.672	0.000	0.108	0.000	0.780
	Right cheek	1.249	0.055	0.121	0.000	1.425
	Right tilted	0.822	0.000	0.082	0.000	0.904
DC_5A_n77A	Left cheek	0.683	0.094	0.418	0.030	1.225
	Left tilted	0.564	0.000	0.108	0.000	0.672
	Right cheek	1.141	0.055	0.121	0.000	1.317
	Right tilted	0.714	0.000	0.082	0.000	0.796
DC_12A_n77A	Left cheek	0.659	0.094	0.418	0.030	1.201
	Left tilted	0.540	0.000	0.108	0.000	0.648
	Right cheek	1.117	0.055	0.121	0.000	1.293
	Right tilted	0.690	0.000	0.082	0.000	0.772
DC_13A_n77A	Left cheek	0.702	0.094	0.418	0.030	1.244
	Left tilted	0.583	0.000	0.108	0.000	0.691
	Right cheek	1.160	0.055	0.121	0.000	1.336
	Right tilted	0.733	0.000	0.082	0.000	0.815
DC_14A_n77A	Left cheek	0.727	0.094	0.418	0.030	1.269
	Left tilted	0.608	0.000	0.108	0.000	0.716
	Right cheek	1.185	0.055	0.121	0.000	1.361
	Right tilted	0.758	0.000	0.082	0.000	0.840
DC_66A_n77A	Left cheek	0.724	0.094	0.418	0.030	1.266
	Left tilted	0.605	0.000	0.108	0.000	0.713
	Right cheek	1.182	0.055	0.121	0.000	1.358
	Right tilted	0.755	0.000	0.082	0.000	0.837

LTE Band ULCA	Exposure position	Ant0	Ant1	Ant5	LTE B2		Inter-band CA Summed SAR		
					Ant0	Ant1			
		1	2	3	4	5	1+5	2+4	3+4
LTE B4	Left Touch	/	0.118	/	0.175	/	/	0.293	/
	Left Tilt	/	0.000	/	0.175	/	/	0.175	/
	Right Touch	/	0.354	/	0.175	/	/	0.529	/
	Right Tilt	/	0.000	/	0.175	/	/	0.175	/
LTE B5	Left Touch	0.067	/	/	/	0.745	0.812	/	/
	Left Tilt	0.067	/	/	/	0.496	0.563	/	/
	Right Touch	0.067	/	/	/	1.033	1.100	/	/

	Right Tilt	0.067	/	/	/	0.654	0.721	/	/
LTE B12	Left Touch	0.043	/	/	/	0.745	0.788	/	/
	Left Tilt	0.043	/	/	/	0.496	0.539	/	/
	Right Touch	0.043	/	/	/	1.033	1.076	/	/
	Right Tilt	0.043	/	/	/	0.654	0.697	/	/
LTE B13	Left Touch	0.086	/	/	/	0.745	0.831	/	/
	Left Tilt	0.086	/	/	/	0.496	0.582	/	/
	Right Touch	0.086	/	/	/	1.033	1.119	/	/
	Right Tilt	0.086	/	/	/	0.654	0.740	/	/
LTE B14	Left Touch	0.111	/	/	/	0.745	0.856	/	/
	Left Tilt	0.111	/	/	/	0.496	0.607	/	/
	Right Touch	0.111	/	/	/	1.033	1.144	/	/
	Right Tilt	0.111	/	/	/	0.654	0.765	/	/
LTE B30	Left Touch	/	/	0.515	0.175	/	/	/	0.690
	Left Tilt	/	/	0.143	0.175	/	/	/	0.318
	Right Touch	/	/	0.559	0.175	/	/	/	0.734
	Right Tilt	/	/	0.146	0.175	/	/	/	0.321
LTE B66	Left Touch	/	0.118	/	0.175	/	/	0.293	/
	Left Tilt	/	0.000	/	0.175	/	/	0.175	/
	Right Touch	/	0.354	/	0.175	/	/	0.529	/
	Right Tilt	/	0.000	/	0.175	/	/	0.175	/
LTE B71	Left Touch	0.022	/	/	/	0.745	0.767	/	/
	Left Tilt	0.022	/	/	/	0.496	0.518	/	/
	Right Touch	0.022	/	/	/	1.033	1.055	/	/
	Right Tilt	0.022	/	/	/	0.654	0.676	/	/

LTE Band ULCA	Exposure position	Ant0	Ant5	LTE B4		Inter-band CA Summed SAR	
				Ant0	Ant1		
		1	2	3	4	2+3	1+4
LTE B5	Left Touch	0.067	/	/	0.118	/	0.185
	Left Tilt	0.067	/	/	0.000	/	0.067
	Right Touch	0.067	/	/	0.354	/	0.421
	Right Tilt	0.067	/	/	0.000	/	0.067
LTE B12	Left Touch	0.043	/	/	0.118	/	0.161
	Left Tilt	0.043	/	/	0.000	/	0.043
	Right Touch	0.043	/	/	0.354	/	0.397
	Right Tilt	0.043	/	/	0.000	/	0.043
LTE B13	Left Touch	0.086	/	/	0.118	/	0.204
	Left Tilt	0.086	/	/	0.000	/	0.086
	Right Touch	0.086	/	/	0.354	/	0.440
	Right Tilt	0.086	/	/	0.000	/	0.086
LTE B14	Left Touch	0.111	/	/	0.118	/	0.229
	Left Tilt	0.111	/	/	0.000	/	0.111
	Right Touch	0.111	/	/	0.354	/	0.465
	Right Tilt	0.111	/	/	0.000	/	0.111
LTE B30	Left Touch	/	0.515	0.108	/	0.623	/
	Left Tilt	/	0.143	0.108	/	0.251	/
	Right Touch	/	0.559	0.108	/	0.667	/
	Right Tilt	/	0.146	0.108	/	0.254	/

LTE B71	Left Touch	0.022	/	/	0.118	/	0.140
	Left Tilt	0.022	/	/	0.000	/	0.022
	Right Touch	0.022	/	/	0.354	/	0.376
	Right Tilt	0.022	/	/	0.000	/	0.022

LTE Band ULCA	Exposure position	Ant1	Ant5	LTE B5 Ant0	Inter-band CA Summed SAR	
		1	2	3		
		1	2	3	1+3	2+3
LTE B30	Left Touch	/	0.515	0.067	/	0.582
	Left Tilt	/	0.143	0.067	/	0.210
	Right Touch	/	0.559	0.067	/	0.626
	Right Tilt	/	0.146	0.067	/	0.213
LTE B66	Left Touch	0.118	/	0.067	0.185	/
	Left Tilt	0.000	/	0.067	0.067	/
	Right Touch	0.354	/	0.067	0.421	/
	Right Tilt	0.000	/	0.067	0.067	/

LTE Band ULCA	Exposure position	Ant1	Ant5	LTE B12 Ant0	Inter-band CA Summed SAR	
		1	2	3		
		1	2	3	1+3	2+3
LTE B30	Left Touch	/	0.515	0.043	/	0.558
	Left Tilt	/	0.143	0.043	/	0.186
	Right Touch	/	0.559	0.043	/	0.602
	Right Tilt	/	0.146	0.043	/	0.189
LTE B66	Left Touch	0.118	/	0.043	0.161	/
	Left Tilt	0.000	/	0.043	0.043	/
	Right Touch	0.354	/	0.043	0.397	/
	Right Tilt	0.000	/	0.043	0.043	/

LTE Band ULCA	Exposure position	Ant1	LTE B13 Ant0	Inter-band CA Summed SAR
		1	2	
		1	2	1+2
LTE B66	Left Touch	0.118	0.086	0.204
	Left Tilt	0.000	0.086	0.086
	Right Touch	0.354	0.086	0.440
	Right Tilt	0.000	0.086	0.086

LTE Band ULCA	Exposure position	Ant1	Ant5	LTE B14 Ant0	Inter-band CA Summed SAR	
		1	2	3		
		1	2	3	1+3	2+3
LTE B30	Left Touch	/	0.515	0.111	/	0.626
	Left Tilt	/	0.143	0.111	/	0.254
	Right Touch	/	0.559	0.111	/	0.670
	Right Tilt	/	0.146	0.111	/	0.257
LTE B66	Left Touch	0.118	/	0.111	0.229	/
	Left Tilt	0.000	/	0.111	0.111	/
	Right Touch	0.354	/	0.111	0.465	/
	Right Tilt	0.000	/	0.111	0.111	/

LTE Band ULCA	Exposure position	Ant1	LTE B30	Inter-band CA Summed SAR
		1	Ant4 2	
LTE B66	Left Touch	0.118	0.136	0.254
	Left Tilt	0.000	0.136	0.136
	Right Touch	0.354	0.136	0.490
	Right Tilt	0.000	0.136	0.136

LTE Band ULCA	Exposure position	Ant0	LTE B66	Inter-band CA Summed SAR
		1	Ant1 2	
LTE B71	Left Touch	0.022	0.118	0.140
	Left Tilt	0.022	0.000	0.022
	Right Touch	0.022	0.354	0.376
	Right Tilt	0.022	0.000	0.022

LTE Band (EN_DC)	Exposure position	Ant0	Ant1	Ant5	n2		EN_DC Summed SAR		
					Ant0	Ant1			
		1	2	3	4	5	1+5	2+4	3+4
LTE B5	Left Touch	0.067	/	/	/	0.528	0.595	/	/
	Left Tilt	0.067	/	/	/	0.344	0.411	/	/
	Right Touch	0.067	/	/	/	0.954	1.021	/	/
	Right Tilt	0.067	/	/	/	0.762	0.829	/	/
LTE B12	Left Touch	0.043	/	/	/	0.528	0.571	/	/
	Left Tilt	0.043	/	/	/	0.344	0.387	/	/
	Right Touch	0.043	/	/	/	0.954	0.997	/	/
	Right Tilt	0.043	/	/	/	0.762	0.805	/	/
LTE B13	Left Touch	0.086	/	/	/	0.528	0.614	/	/
	Left Tilt	0.086	/	/	/	0.344	0.430	/	/
	Right Touch	0.086	/	/	/	0.954	1.040	/	/
	Right Tilt	0.086	/	/	/	0.762	0.848	/	/
LTE B14	Left Touch	0.111	/	/	/	0.528	0.639	/	/
	Left Tilt	0.111	/	/	/	0.344	0.455	/	/
	Right Touch	0.111	/	/	/	0.954	1.065	/	/
	Right Tilt	0.111	/	/	/	0.762	0.873	/	/
LTE B30	Left Touch	/	/	0.515	0.170	/	/	/	0.685
	Left Touch	/	/	0.143	0.170	/	/	/	0.313
	Left Tilt	/	/	0.559	0.170	/	/	/	0.729
	Right Touch	/	/	0.146	0.170	/	/	/	0.316
LTE B66	Right Tilt	/	0.118	/	0.170	/	/	0.288	/
	Left Touch	/	0.000	/	0.170	/	/	0.170	/
	Left Tilt	/	0.354	/	0.170	/	/	0.524	/
	Right Touch	/	0.000	/	0.170	/	/	0.170	/

LTE Band (EN_DC)	Exposure position	Ant1	Ant5	n5	EN_DC Summed SAR	
				Ant0		
		1	2	3	1+3	2+3
LTE B2	Left Touch	0.745	/	0.105	0.850	/
	Left Tilt	0.496	/	0.105	0.601	/
	Right Touch	1.033	/	0.105	1.138	/
	Right Tilt	0.654	/	0.105	0.759	/
LTE B30	Left Touch	/	0.515	0.105	/	0.620
	Left Tilt	/	0.143	0.105	/	0.248
	Right Touch	/	0.559	0.105	/	0.664
	Right Tilt	/	0.146	0.105	/	0.251
LTE B66	Left Touch	0.118	/	0.105	0.223	/
	Left Tilt	0.000	/	0.105	0.105	/
	Right Touch	0.354	/	0.105	0.459	/
	Right Tilt	0.000	/	0.105	0.105	/

LTE Band (EN_DC)	Exposure position	Ant1	n25	EN_DC Summed SAR
			Ant0	
		1	2	1+2
LTE B66	Left Touch	0.118	0.094	0.212
	Left Tilt	0.000	0.092	0.092
	Right Touch	0.354	0.098	0.452
	Right Tilt	0.000	0.050	0.050

LTE Band (EN_DC)	Exposure position	Ant1	n41	EN_DC Summed SAR
			Ant4	
		1	2	1+2
LTE B2	Left Touch	0.745	0.206	0.951
	Left Tilt	0.496	0.206	0.702
	Right Touch	1.033	0.206	1.239
	Right Tilt	0.654	0.206	0.860
LTE B66	Left Touch	0.118	0.206	0.324
	Left Tilt	0.000	0.206	0.206
	Right Touch	0.354	0.206	0.560
	Right Tilt	0.000	0.206	0.206

LTE Band (EN_DC)	Exposure position	Ant0	Ant1	Ant5	n66		EN_DC Summed SAR		
					Ant0	Ant1			
		1	2	3	4	5	1+5	2+4	3+4
LTE B2	Right Tilt	/	0.745	/	0.106	/	/	0.851	/
	Left Touch	/	0.496	/	0.106	/	/	0.602	/
	Left Tilt	/	1.033	/	0.106	/	/	1.139	/
	Right Touch	/	0.654	/	0.106	/	/	0.760	/
LTE B5	Left Touch	0.067	/	/	/	0.050	0.117	/	/
	Left Tilt	0.067	/	/	/	0.000	0.067	/	/
	Right Touch	0.067	/	/	/	0.273	0.340	/	/
	Right Tilt	0.067	/	/	/	0.000	0.067	/	/
LTE B12	Left Touch	0.043	/	/	/	0.050	0.093	/	/
	Left Tilt	0.043	/	/	/	0.000	0.043	/	/
	Right Touch	0.043	/	/	/	0.273	0.316	/	/

	Right Tilt	0.043	/	/	/	0.000	0.043	/	/
LTE B13	Left Touch	0.086	/	/	/	0.050	0.136	/	/
	Left Tilt	0.086	/	/	/	0.000	0.086	/	/
	Right Touch	0.086	/	/	/	0.273	0.359	/	/
	Right Tilt	0.086	/	/	/	0.000	0.086	/	/
LTE B14	Left Touch	0.111	/	/	/	0.050	0.161	/	/
	Left Tilt	0.111	/	/	/	0.000	0.111	/	/
	Right Touch	0.111	/	/	/	0.273	0.384	/	/
	Right Tilt	0.111	/	/	/	0.000	0.111	/	/
LTE B30	Left Touch	/	/	0.515	0.106	/	/	/	0.621
	Left Touch	/	/	0.143	0.106	/	/	/	0.249
	Left Tilt	/	/	0.559	0.106	/	/	/	0.665
	Right Touch	/	/	0.146	0.106	/	/	/	0.252

LTE Band (EN_DC)	Exposure position	Ant1	n71	EN_DC Summed SAR
			Ant0	
		1	2	
LTE B2	Left Touch	0.745	0.062	0.807
	Left Tilt	0.496	0.062	0.558
	Right Touch	1.033	0.062	1.095
	Right Tilt	0.654	0.062	0.716
LTE B66	Left Touch	0.118	0.062	0.180
	Left Tilt	0.000	0.062	0.062
	Right Touch	0.354	0.062	0.416
	Right Tilt	0.000	0.062	0.062

LTE Band (EN_DC)	Exposure position	Ant0	n77	EN_DC Summed SAR
			Ant6	
		1	2	
LTE B2	Left Touch	0.175	0.616	0.791
	Left Tilt	0.175	0.497	0.672
	Right Touch	0.175	1.074	1.249
	Right Tilt	0.175	0.647	0.822
LTE B5	Left Touch	0.067	0.616	0.683
	Left Tilt	0.067	0.497	0.564
	Right Touch	0.067	1.074	1.141
	Right Tilt	0.067	0.647	0.714
LTE B12	Left Touch	0.043	0.616	0.659
	Left Tilt	0.043	0.497	0.540
	Right Touch	0.043	1.074	1.117
	Right Tilt	0.043	0.647	0.690
LTE B13	Left Touch	0.086	0.616	0.702
	Left Tilt	0.086	0.497	0.583
	Right Touch	0.086	1.074	1.160
	Right Tilt	0.086	0.647	0.733
LTE B14	Left Touch	0.111	0.616	0.727
	Left Tilt	0.111	0.497	0.608
	Right Touch	0.111	1.074	1.185
	Right Tilt	0.111	0.647	0.758
LTE B66	Left Touch	0.108	0.616	0.724
	Left Tilt	0.108	0.497	0.605
	Right Touch	0.108	1.074	1.182
	Right Tilt	0.108	0.647	0.755

NR Band (MIMO)	Exposure position	Ant5	n41	MIMO Summed SAR
		1	Ant4	
			2	1+2
n41	Left Touch	0.552	0.206	0.758
	Left Tilt	0.183	0.206	0.389
	Right Touch	1.141	0.206	1.347
	Right Tilt	0.172	0.206	0.378

NR Band (MIMO)	Exposure position	Ant6	n77(78)	MIMO Summed SAR
		1	Ant7	
			2	1+2
n77(78)	Left Touch	0.616	0.144	0.760
	Left Tilt	0.497	0.144	0.641
	Right Touch	1.074	0.144	1.218
	Right Tilt	0.647	0.144	0.791

Body-worn:

Test position		SARmax (W/kg)				Summed SAR
		WWAN	WiFi 2.4G	WiFi 5G	BT	
		1	2	3	4	1+2+3+4
WCDMA Band II	Front side	0.420	0.000	0.163	0.000	0.583
	Back side	1.122	0.040	0.332	0.010	1.504
WCDMA Band IV	Front side	0.450	0.000	0.163	0.000	0.613
	Back side	1.143	0.040	0.332	0.010	1.525
WCDMA Band V	Front side	0.161	0.000	0.163	0.000	0.324
	Back side	1.180	0.040	0.332	0.010	1.562
LTE Band 7	Front side	0.283	0.000	0.163	0.000	0.446
	Back side	0.527	0.040	0.332	0.010	0.909
LTE Band 12(17)	Front side	0.289	0.000	0.163	0.000	0.452
	Back side	0.703	0.040	0.332	0.010	1.085
LTE Band 13	Front side	0.591	0.000	0.163	0.000	0.754
	Back side	0.950	0.040	0.332	0.010	1.332
LTE Band 14	Front side	0.622	0.000	0.163	0.000	0.785
	Back side	0.951	0.040	0.332	0.010	1.333
LTE Band 25(2)	Front side	0.210	0.000	0.163	0.000	0.373
	Back side	1.132	0.040	0.332	0.010	1.514
LTE Band 26(5)	Front side	0.633	0.000	0.163	0.000	0.796
	Back side	0.939	0.040	0.332	0.010	1.321
LTE Band 30	Front side	0.269	0.000	0.163	0.000	0.432
	Back side	0.875	0.040	0.332	0.010	1.257
LTE Band 41(38)	Front side	0.243	0.000	0.163	0.000	0.406
	Back side	0.277	0.040	0.332	0.010	0.659
LTE Band 48	Front side	0.125	0.000	0.163	0.000	0.288
	Back side	1.042	0.040	0.332	0.010	1.424
LTE Band 66	Front side	0.451	0.000	0.163	0.000	0.614
	Back side	1.123	0.040	0.332	0.010	1.505
LTE Band 71	Front side	0.285	0.000	0.163	0.000	0.448
	Back side	0.572	0.040	0.332	0.010	0.954
NR Band n5	Front side	0.603	0.000	0.163	0.000	0.766
	Back side	1.028	0.040	0.332	0.010	1.410
NR Band n7	Front side	0.316	0.000	0.163	0.000	0.479
	Back side	0.829	0.040	0.332	0.010	1.211
NR Band n14	Front side	0.462	0.000	0.163	0.000	0.625
	Back side	1.175	0.040	0.332	0.010	1.557
NR Band n25(2)	Front side	0.499	0.000	0.163	0.000	0.662
	Back side	1.067	0.040	0.332	0.010	1.449
NR Band n30	Front side	0.358	0.000	0.163	0.000	0.521



	Back side	1.081	0.040	0.332	0.010	1.463
NR Band n41(38)	Front side	0.304	0.000	0.163	0.000	0.467
	Back side	0.613	0.040	0.332	0.010	0.995
NR Band n48	Front side	0.219	0.000	0.163	0.000	0.382
	Back side	1.029	0.040	0.332	0.010	1.411
NR Band n66	Front side	0.565	0.000	0.163	0.000	0.728
	Back side	0.997	0.040	0.332	0.010	1.379
NR Band n71	Front side	0.445	0.000	0.163	0.000	0.608
	Back side	0.520	0.040	0.332	0.010	0.902
NR Band n77	Front side	1.139	0.000	0.163	0.000	1.302
	Back side	1.059	0.040	0.332	0.010	1.441

Test position		SARmax (W/kg)				Summed SAR 1+2+3+4
		Inter-band UL CA	WiFi 2.4G	WiFi 5G	BT	
		1	2	3	4	
CA_2A-4A	Front side	0.087	0.000	0.163	0.000	0.250
	Back side	1.019	0.040	0.332	0.010	1.401
CA_2A-5A	Front side	0.484	0.000	0.163	0.000	0.647
	Back side	0.776	0.040	0.332	0.010	1.158
CA_2A-12A	Front side	0.405	0.000	0.163	0.000	0.568
	Back side	0.959	0.040	0.332	0.010	1.341
CA_2A-13A	Front side	0.425	0.000	0.163	0.000	0.588
	Back side	0.732	0.040	0.332	0.010	1.114
CA_2A-14A	Front side	0.508	0.000	0.163	0.000	0.671
	Back side	0.787	0.040	0.332	0.010	1.169
CA_2A-30A	Front side	0.154	0.000	0.163	0.000	0.317
	Back side	0.962	0.040	0.332	0.010	1.344
CA_2A-66A	Front side	0.087	0.000	0.163	0.000	0.250
	Back side	1.019	0.040	0.332	0.010	1.401
CA_2A-71A	Front side	0.401	0.000	0.163	0.000	0.564
	Back side	0.828	0.040	0.332	0.010	1.210
CA_4A-5A	Front side	0.378	0.000	0.163	0.000	0.541
	Back side	0.753	0.040	0.332	0.010	1.135
CA_4A-12A	Front side	0.299	0.000	0.163	0.000	0.462
	Back side	0.936	0.040	0.332	0.010	1.318
CA_4A-13A	Front side	0.319	0.000	0.163	0.000	0.482
	Back side	0.709	0.040	0.332	0.010	1.091
CA_4A-14A	Front side	0.402	0.000	0.163	0.000	0.565
	Back side	0.764	0.040	0.332	0.010	1.146
CA_4A-30A	Front side	0.288	0.000	0.163	0.000	0.451
	Back side	0.957	0.040	0.332	0.010	1.339
CA_4A-71A	Front side	0.295	0.000	0.163	0.000	0.458
	Back side	0.805	0.040	0.332	0.010	1.187
CA_5A-30A	Front side	0.456	0.000	0.163	0.000	0.619
	Back side	0.914	0.040	0.332	0.010	1.296
CA_5A-66A	Front side	0.389	0.000	0.163	0.000	0.552
	Back side	0.971	0.040	0.332	0.010	1.353
CA_12A-30A	Front side	0.377	0.000	0.163	0.000	0.540
	Back side	1.097	0.040	0.332	0.010	1.479
CA_12A-66A	Front side	0.310	0.000	0.163	0.000	0.473
	Back side	1.154	0.040	0.332	0.010	1.536
CA_13A-66A	Front side	0.330	0.000	0.163	0.000	0.493
	Back side	0.927	0.040	0.332	0.010	1.309
CA_14A-30A	Front side	0.480	0.000	0.163	0.000	0.643
	Back side	0.925	0.040	0.332	0.010	1.307
CA_14A-66A	Front side	0.413	0.000	0.163	0.000	0.576
	Back side	0.982	0.040	0.332	0.010	1.364
CA_30A-66A	Front side	0.172	0.000	0.163	0.000	0.335
	Back side	0.932	0.040	0.332	0.010	1.314
CA_66A-71A	Front side	0.306	0.000	0.163	0.000	0.469
	Back side	1.023	0.040	0.332	0.010	1.405

Test position		SARmax (W/kg)				Summed SAR 1+2+3+4
		EN-DC Max SAR	WiFi 2.4G	WiFi 5G	BT	
		1	2	3	4	
DC_5A_n2A	Front side	0.427	0.000	0.163	0.000	0.590
	Back side	0.844	0.040	0.332	0.010	1.226
DC_12A_n2A	Front side	0.348	0.000	0.163	0.000	0.511
	Back side	1.027	0.040	0.332	0.010	1.409
DC_13A_n2A	Front side	0.368	0.000	0.163	0.000	0.531
	Back side	0.800	0.040	0.332	0.010	1.182
DC_14A_n2A	Front side	0.451	0.000	0.163	0.000	0.614
	Back side	0.855	0.040	0.332	0.010	1.237
DC_30A_n2A	Front side	0.200	0.000	0.163	0.000	0.363
	Back side	0.929	0.040	0.332	0.010	1.311
DC_66A_n2A	Front side	0.133	0.000	0.163	0.000	0.296
	Back side	0.986	0.040	0.332	0.010	1.368
DC_2A_n5A	Front side	0.418	0.000	0.163	0.000	0.581
	Back side	0.771	0.040	0.332	0.010	1.153
DC_30A_n5A	Front side	0.390	0.000	0.163	0.000	0.553
	Back side	0.909	0.040	0.332	0.010	1.291
DC_66A_n5A	Front side	0.323	0.000	0.163	0.000	0.486
	Back side	0.966	0.040	0.332	0.010	1.348
DC_66A_n25A	Front side	0.133	0.000	0.163	0.000	0.296
	Back side	0.986	0.040	0.332	0.010	1.368
DC_2A_n41A	Front side	0.391	0.000	0.163	0.000	0.554
	Back side	0.857	0.040	0.332	0.010	1.239
DC_66A_n41A	Front side	0.296	0.000	0.163	0.000	0.459
	Back side	1.052	0.040	0.332	0.010	1.434
DC_2A_n66A	Front side	0.243	0.000	0.163	0.000	0.406
	Back side	0.756	0.040	0.332	0.010	1.138
DC_5A_n66A	Front side	0.368	0.000	0.163	0.000	0.531
	Back side	1.011	0.040	0.332	0.010	1.393
DC_12A_n66A	Front side	0.289	0.000	0.163	0.000	0.452
	Back side	1.194	0.040	0.332	0.010	1.576
DC_13A_n66A	Front side	0.309	0.000	0.163	0.000	0.472
	Back side	0.967	0.040	0.332	0.010	1.349
DC_14A_n66A	Front side	0.392	0.000	0.163	0.000	0.555
	Back side	1.022	0.040	0.332	0.010	1.404
DC_30A_n66A	Front side	0.215	0.000	0.163	0.000	0.378
	Back side	0.894	0.040	0.332	0.010	1.276
DC_2A_n71A	Front side	0.561	0.000	0.163	0.000	0.724
	Back side	0.776	0.040	0.332	0.010	1.158
DC_66A_n71A	Front side	0.466	0.000	0.163	0.000	0.629
	Back side	0.971	0.040	0.332	0.010	1.353
DC_2A_n77A	Front side	0.160	0.000	0.163	0.000	0.323
	Back side	1.070	0.040	0.332	0.010	1.452
DC_5A_n77A	Front side	0.462	0.000	0.163	0.000	0.625
	Back side	1.022	0.040	0.332	0.010	1.404
DC_12A_n77A	Front side	0.383	0.000	0.163	0.000	0.546
	Back side	1.205	0.040	0.332	0.010	1.587
DC_13A_n77A	Front side	0.403	0.000	0.163	0.000	0.566
	Back side	0.978	0.040	0.332	0.010	1.360
DC_14A_n77A	Front side	0.486	0.000	0.163	0.000	0.649
	Back side	1.033	0.040	0.332	0.010	1.415
DC_66A_n77A	Front side	0.294	0.000	0.163	0.000	0.457
	Back side	1.065	0.040	0.332	0.010	1.447

LTE Band ULCA	Exposure position	Ant0	Ant1	Ant5	LTE B2		Inter-band CA Summed SAR		
					Ant0	Ant1			
		1	2	3	4	5	1+5	2+4	3+4
LTE B4	Front side	/	0.021	/	0.066	/	/	0.087	/
	Back side	/	0.451	/	0.568	/	/	1.019	/
LTE B5	Front side	0.368	/	/	/	0.116	0.484	/	/
	Back side	0.520	/	/	/	0.256	0.776	/	/
LTE B12	Front side	0.289	/	/	/	0.116	0.405	/	/
	Back side	0.703	/	/	/	0.256	0.959	/	/
LTE B13	Front side	0.309	/	/	/	0.116	0.425	/	/
	Back side	0.476	/	/	/	0.256	0.732	/	/
LTE B14	Front side	0.392	/	/	/	0.116	0.508	/	/
	Back side	0.531	/	/	/	0.256	0.787	/	/
LTE B30	Front side	/	/	0.088	0.066	/	/	/	0.154
	Back side	/	/	0.394	0.568	/	/	/	0.962
LTE B66	Front side	/	0.021	/	0.066	/	/	0.087	/
	Back side	/	0.451	/	0.568	/	/	1.019	/
LTE B71	Front side	0.285	/	/	/	0.116	0.401	/	/
	Back side	0.572	/	/	/	0.256	0.828	/	/

LTE Band ULCA	Exposure position	Ant0	Ant5	LTE B4		Inter-band CA Summed SAR	
				Ant0	Ant1		
		1	2	3	4	2+3	1+4
LTE B5	Front side	0.368	/	/	0.010	/	0.378
	Back side	0.520	/	/	0.233	/	0.753
LTE B12	Front side	0.289	/	/	0.010	/	0.299
	Back side	0.703	/	/	0.233	/	0.936
LTE B13	Front side	0.309	/	/	0.010	/	0.319
	Back side	0.476	/	/	0.233	/	0.709
LTE B14	Front side	0.392	/	/	0.010	/	0.402
	Back side	0.531	/	/	0.233	/	0.764
LTE B30	Front side	/	0.088	0.200	/	0.288	/
	Back side	/	0.394	0.563	/	0.957	/
LTE B71	Front side	0.285	/	/	0.010	/	0.295
	Back side	0.572	/	/	0.233	/	0.805

LTE Band ULCA	Exposure position	Ant1	Ant5	LTE B5	Inter-band CA Summed SAR	
				Ant0		
		1	2	3	1+3	2+3
LTE B30	Front side	/	0.088	0.368	/	0.456
	Back side	/	0.394	0.520	/	0.914
LTE B66	Front side	0.021	/	0.368	0.389	/
	Back side	0.451	/	0.520	0.971	/

LTE Band ULCA	Exposure position	Ant1	Ant5	LTE B12	Inter-band CA Summed SAR	
				Ant0		
		1	2	3	1+3	2+3
LTE B30	Front side	/	0.088	0.289	/	0.377
	Back side	/	0.394	0.703	/	1.097
LTE B66	Front side	0.021	/	0.289	0.310	/
	Back side	0.451	/	0.703	1.154	/

LTE Band ULCA	Exposure position	Ant1	LTE B13	Inter-band CA Summed SAR
		1	Ant0 2	
LTE B66	Front side	0.021	0.309	0.330
	Back side	0.451	0.476	0.927

LTE Band ULCA	Exposure position	Ant1	Ant5	LTE B14	Inter-band CA Summed SAR	
		1	2	Ant0 3		
LTE B30	Front side	/	0.088	0.392	/	0.480
	Back side	/	0.394	0.531	/	0.925
LTE B66	Front side	0.021	/	0.392	0.413	/
	Back side	0.451	/	0.531	0.982	/

LTE Band ULCA	Exposure position	Ant1	LTE B30	Inter-band CA Summed SAR
		1	Ant4 2	
LTE B66	Front side	0.021	0.151	0.172
	Back side	0.451	0.481	0.932

LTE Band ULCA	Exposure position	Ant0	LTE B66	Inter-band CA Summed SAR
		1	Ant1 2	
LTE B71	Front side	0.285	0.021	0.306
	Back side	0.572	0.451	1.023

LTE Band (EN_DC)	Exposure position	Ant0	Ant1	Ant5	n2		EN_DC Summed SAR		
		1	2	3	Ant0 4	Ant1 5			
LTE B5	Front side	0.368	/	/	/	0.059	0.427	/	/
	Back side	0.520	/	/	/	0.324	0.844	/	/
LTE B12	Front side	0.289	/	/	/	0.059	0.348	/	/
	Back side	0.703	/	/	/	0.324	1.027	/	/
LTE B13	Front side	0.309	/	/	/	0.059	0.368	/	/
	Back side	0.476	/	/	/	0.324	0.800	/	/
LTE B14	Front side	0.392	/	/	/	0.059	0.451	/	/
	Back side	0.531	/	/	/	0.324	0.855	/	/
LTE B30	Front side	/	/	0.088	0.112	/	/	/	0.200
	Back side	/	/	0.394	0.535	/	/	/	0.929
LTE B66	Front side	/	0.021	/	0.112	/	/	0.133	/
	Back side	/	0.451	/	0.535	/	/	0.986	/

LTE Band (EN_DC)	Exposure position	Ant1	Ant5	n5	EN_DC Summed SAR	
		1	2	Ant0 3		
LTE B2	Front side	0.116	/	0.302	0.418	/
	Back side	0.256	/	0.515	0.771	/
LTE B30	Front side	/	0.088	0.302	/	0.390
	Back side	/	0.394	0.515	/	0.909
LTE B66	Front side	0.021	/	0.302	0.323	/
	Back side	0.451	/	0.515	0.966	/

LTE Band (EN_DC)	Exposure position	Ant1	n25	EN_DC Summed SAR
			Ant0	
		1	2	
LTE B66	Front side	0.021	0.112	0.133
	Back side	0.451	0.535	0.986

LTE Band (EN_DC)	Exposure position	Ant1	n41	EN_DC Summed SAR
			Ant4	
		1	2	
LTE B2	Front side	0.116	0.275	0.391
	Back side	0.256	0.601	0.857
LTE B66	Front side	0.021	0.275	0.296
	Back side	0.451	0.601	1.052

LTE Band (EN_DC)	Exposure position	Ant0	Ant1	Ant5	n66		EN_DC Summed SAR		
					Ant0	Ant1			
		1	2	3	4	5	1+5	2+4	3+4
LTE B2	Front side	/	0.116	/	0.127	/	/	0.243	/
	Back side	/	0.256	/	0.500	/	/	0.756	/
LTE B5	Front side	0.368	/	/	/	0.000	0.368	/	/
	Back side	0.520	/	/	/	0.491	1.011	/	/
LTE B12	Front side	0.289	/	/	/	0.000	0.289	/	/
	Back side	0.703	/	/	/	0.491	1.194	/	/
LTE B13	Front side	0.309	/	/	/	0.000	0.309	/	/
	Back side	0.476	/	/	/	0.491	0.967	/	/
LTE B14	Front side	0.392	/	/	/	0.000	0.392	/	/
	Back side	0.531	/	/	/	0.491	1.022	/	/
LTE B30	Front side	/	/	0.088	0.127	/	/	/	0.215
	Back side	/	/	0.394	0.500	/	/	/	0.894

LTE Band (EN_DC)	Exposure position	Ant1	n71	EN_DC Summed SAR
			Ant0	
		1	2	
LTE B2	Front side	0.116	0.445	0.561
	Back side	0.256	0.520	0.776
LTE B66	Front side	0.021	0.445	0.466
	Back side	0.451	0.520	0.971

LTE Band (EN_DC)	Exposure position	Ant0	n77	EN_DC Summed SAR
			Ant6	
		1	2	
LTE B2	Front side	0.066	0.094	0.160
	Back side	0.568	0.502	1.070
LTE B5	Front side	0.368	0.094	0.462
	Back side	0.520	0.502	1.022
LTE B12	Front side	0.289	0.094	0.383
	Back side	0.703	0.502	1.205
LTE B13	Front side	0.309	0.094	0.403
	Back side	0.476	0.502	0.978
LTE B14	Front side	0.392	0.094	0.486
	Back side	0.531	0.502	1.033
LTE B66	Front side	0.200	0.094	0.294
	Back side	0.563	0.502	1.065