

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

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

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Front side	100	QPSK135_69	662000/3930	50%	0.167	0.070	0.17	17.81	19.50	1.476	0.246	22
Back side	100	QPSK135_69	662000/3930	50%	0.517	0.189	0.01	17.81	19.50	1.476	0.763	22
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_137	650000/3750	50%	0.116	0.050	0.01	17.92	19.50	1.439	0.167	22
Back side	100	QPSK1_137	650000/3750	50%	0.258	0.112	-0.03	17.92	19.50	1.439	0.371	22
Left side	100	QPSK1_137	650000/3750	50%	0.338	0.143	0.10	17.92	19.50	1.439	0.486	22
Top side	100	QPSK1_137	662000/3930	50%	0.139	0.058	0.13	17.92	19.50	1.439	0.200	22
Left side	100	QPSK1_137	662000/3930	50%	0.310	0.133	0.15	17.90	19.50	1.445	0.448	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.118	0.053	0.15	17.92	19.50	1.439	0.170	22
Back side	100	QPSK135_69	650000/3750	50%	0.269	0.115	-0.18	17.92	19.50	1.439	0.387	22
Left side	100	QPSK135_69	650000/3750	50%	0.320	0.140	0.02	17.92	19.50	1.439	0.460	22
Top side	100	QPSK135_69	650000/3750	50%	0.137	0.056	0.02	17.92	19.50	1.439	0.197	22
Left side	100	QPSK135_69	662000/3930	50%	0.321	0.144	-0.19	17.81	19.50	1.476	0.474	22
Ant 8 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_1	662000/3930	50%	0.725	0.289	0.19	20.48	22.00	1.419	1.029	22.4
Left tilted	100	QPSK1_1	662000/3930	50%	0.370	0.152	0.00	20.48	22.00	1.419	0.525	22.4
Right cheek	100	QPSK1_1	662000/3930	50%	0.153	0.069	-0.06	20.48	22.00	1.419	0.217	22.4
Right tilted	100	QPSK1_1	662000/3930	50%	0.129	0.056	-0.01	20.48	22.00	1.419	0.183	22.4
Left cheek	100	QPSK1_137	662000/3930	50%	0.591	0.229	-0.09	20.37	21.50	1.297	0.767	22.4
Left tilted	100	QPSK1_137	662000/3930	50%	0.355	0.142	-0.18	20.37	21.50	1.297	0.460	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	662000/3930	50%	0.739	0.252	0.17	20.49	22.00	1.416	1.046	22.4
Left tilted	100	QPSK135_69	662000/3930	50%	0.377	0.155	0.10	20.49	22.00	1.416	0.534	22.4
Right cheek	100	QPSK135_69	662000/3930	50%	0.154	0.069	-0.13	20.49	22.00	1.416	0.218	22.4
Right tilted	100	QPSK135_69	662000/3930	50%	0.124	0.055	0.06	20.49	22.00	1.416	0.176	22.4
Left cheek	100	QPSK135_69	662000/3930	50%	0.628	0.236	0.01	20.44	21.50	1.276	0.802	22.4
Left tilted	100	QPSK135_69	662000/3930	50%	0.355	0.148	0.07	20.44	21.50	1.276	0.453	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK270_0	662000/3930	50%	0.588	0.229	-0.13	19.30	21.00	1.479	0.870	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_137	662000/3930	50%	0.275	0.124	0.05	19.82	21.50	1.472	0.405	22.6
Back side	100	QPSK1_137	662000/3930	50%	0.513	0.221	-0.11	19.82	21.50	1.472	0.755	22.6
Back side	100	QPSK1_137	650000/3750	50%	0.525	0.216	-0.17	19.81	21.00	1.315	0.690	22.6
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	662000/3930	50%	0.271	0.119	-0.14	19.82	21.50	1.472	0.399	22.6
Back side	100	QPSK135_69	662000/3930	50%	0.498	0.210	-0.16	19.82	21.50	1.472	0.733	22.6
Back side	100	QPSK135_69	650000/3750	50%	0.510	0.196	0.02	19.80	21.00	1.318	0.672	22.6
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_1	662000/3930	50%	0.360	0.159	0.16	23.42	25.00	1.439	0.518	22.6
Back side with 10mm	100	QPSK1_1	662000/3930	50%	0.493	0.209	0.02	23.42	25.00	1.439	0.709	22.6



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Front side with 10mm	100	QPSK1_137	650000/3750	50%	0.352	0.148	-0.18	23.24	24.50	1.337	0.470	22.6
Back side with 10mm	100	QPSK1_137	650000/3750	50%	0.460	0.195	0.14	23.24	24.50	1.337	0.615	22.6
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	662000/3930	50%	0.386	0.171	0.09	23.36	25.00	1.459	0.563	22.6
Back side with 10mm	100	QPSK135_69	662000/3930	50%	0.469	0.199	0.10	23.36	25.00	1.459	0.684	22.6
Front side with 10mm	100	QPSK135_69	650000/3750	50%	0.395	0.163	-0.07	23.29	24.50	1.321	0.522	22.6
Back side with 10mm	100	QPSK135_69	650000/3750	50%	0.480	0.186	0.15	23.29	24.50	1.321	0.634	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	662000/3930	50%	0.184	0.079	-0.10	19.92	21.50	1.439	0.265	22
Back side	100	QPSK1_1	662000/3930	50%	0.232	0.098	-0.12	19.92	21.50	1.439	0.334	22
Right side	100	QPSK1_1	662000/3930	50%	0.275	0.114	-0.17	19.92	21.50	1.439	0.396	22
Top side	100	QPSK1_1	662000/3930	50%	0.088	0.041	-0.08	19.92	21.50	1.439	0.127	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.190	0.082	-0.16	19.86	21.50	1.459	0.277	22
Back side	100	QPSK135_69	650000/3750	50%	0.253	0.106	-0.13	19.86	21.50	1.459	0.369	22
Right side	100	QPSK135_69	650000/3750	50%	0.273	0.113	-0.09	19.86	21.50	1.459	0.398	22
Top side	100	QPSK135_69	650000/3750	50%	0.069	0.031	-0.16	19.86	21.50	1.459	0.101	22
Ant 9 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_137	650000/3750	50%	0.193	0.090	-0.11	22.87	24.50	1.455	0.281	22.4
Left tilted	100	QPSK1_137	650000/3750	50%	0.193	0.086	0.01	22.87	24.50	1.455	0.281	22.4
Right cheek	100	QPSK1_137	650000/3750	50%	0.634	0.272	0.15	22.87	24.50	1.455	0.923	22.4
Right tilted	100	QPSK1_137	650000/3750	50%	0.386	0.172	0.04	22.87	24.50	1.455	0.562	22.4
Right cheek	100	QPSK1_1	662000/3930	50%	0.370	0.158	0.15	22.73	24.50	1.503	0.556	22.4
Right tilted	100	QPSK1_1	662000/3930	50%	0.245	0.108	0.07	22.73	24.50	1.503	0.368	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.196	0.089	0.01	22.94	24.50	1.432	0.281	22.4
Left tilted	100	QPSK135_69	650000/3750	50%	0.201	0.089	-0.14	22.94	24.50	1.432	0.288	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.762	0.307	-0.18	22.94	24.50	1.432	1.091	22.4
Right tilted	100	QPSK135_69	650000/3750	50%	0.397	0.163	0.05	22.94	24.50	1.432	0.569	22.4
Right cheek	100	QPSK135_69	662000/3930	50%	0.645	0.275	0.15	22.67	24.50	1.524	0.983	22.4
Right tilted	100	QPSK135_69	662000/3930	50%	0.269	0.118	0.16	22.67	24.50	1.524	0.410	22.4
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	650000/3750	50%	0.508	0.214	-0.05	18.92	20.50	1.439	0.731	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_137	650000/3750	50%	0.080	0.030	0.16	13.00	14.50	1.413	0.113	22
Back side	100	QPSK1_137	650000/3750	50%	0.463	0.172	-0.02	13.00	14.50	1.413	0.654	22
Back side	100	QPSK1_137	662000/3930	50%	0.301	0.114	0.11	12.84	14.50	1.466	0.441	22
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	650000/3750	50%	0.077	0.032	0.05	13.03	14.50	1.403	0.108	22
Back side	100	QPSK135_69	650000/3750	50%	0.286	0.095	0.06	13.03	14.50	1.403	0.401	22
Back side	100	QPSK135_69	662000/3930	50%	0.275	0.107	0.12	12.79	14.50	1.483	0.408	22



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Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_137	650000/3750	50%	0.045	0.018	0.10	13.00	14.50	1.413	0.064	22
Back side	100	QPSK1_137	650000/3750	50%	0.204	0.086	0.15	13.00	14.50	1.413	0.288	22
Left side	100	QPSK1_137	650000/3750	50%	0.132	0.057	0.11	13.00	14.50	1.413	0.186	22
Top side	100	QPSK1_137	650000/3750	50%	0.039	0.011	0.01	13.00	14.50	1.413	0.055	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.048	0.020	0.04	13.03	14.50	1.403	0.067	22
Back side	100	QPSK135_69	650000/3750	50%	0.186	0.085	-0.09	13.03	14.50	1.403	0.261	22
Left side	100	QPSK135_69	650000/3750	50%	0.141	0.058	-0.04	13.03	14.50	1.403	0.198	22
Top side	100	QPSK135_69	650000/3750	50%	0.052	0.018	-0.16	13.03	14.50	1.403	0.073	22



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9.2.29 SAR Result of NR Band n78(3450-3550)

SA N78 SAR Test Record												
Ant 6 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_271	633334/3500	50%	0.416	0.187	-0.13	20.02	21.00	1.253	0.521	22.4
Left tilted	100	QPSK1_271	633334/3500	50%	0.802	0.265	0.09	20.02	21.00	1.253	1.005	22.4
Right cheek	100	QPSK1_271	633334/3500	50%	0.439	0.213	0.01	20.02	21.00	1.253	0.550	22.4
Right tilted	100	QPSK1_271	633334/3500	50%	0.475	0.212	-0.13	20.02	21.00	1.253	0.595	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	633334/3500	50%	0.505	0.227	-0.10	19.93	21.00	1.279	0.646	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.819	0.297	0.03	19.93	21.00	1.279	1.048	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.470	0.220	0.17	19.93	21.00	1.279	0.601	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.555	0.249	0.12	19.93	21.00	1.279	0.710	22.4
Left tilted with Repeat	100	QPSK135_69	633334/3500	50%	0.798	0.284	-0.02	19.93	21.00	1.279	1.021	22.4
Head Test Data (100%RB) DSI1												
Left tilted	100	QPSK270_0	633334/3500	50%	0.655	0.268	0.17	18.87	20.00	1.297	0.850	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_271	633334/3500	50%	0.297	0.137	0.07	17.13	18.50	1.371	0.407	22
Back side	100	QPSK1_271	633334/3500	50%	0.513	0.230	-0.19	17.13	18.50	1.371	0.703	22
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	633334/3500	50%	0.309	0.143	0.16	17.07	18.50	1.390	0.429	22
Back side	100	QPSK135_69	633334/3500	50%	0.587	0.262	-0.06	17.07	18.50	1.390	0.816	22
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	100	QPSK270_0	633334/3500	50%	0.442	0.211	-0.14	16.06	17.50	1.393	0.616	22
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_271	633334/3500	50%	0.484	0.226	0.14	24.66	26.00	1.361	0.659	22
Back side with 10mm	100	QPSK1_271	633334/3500	50%	0.728	0.335	-0.02	24.66	26.00	1.361	0.991	22
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	633334/3500	50%	0.529	0.252	-0.03	24.58	26.00	1.387	0.734	22
Back side with 10mm	100	QPSK135_69	633334/3500	50%	0.740	0.332	0.06	24.58	26.00	1.387	1.026	22
Body worn Test data (50%RB) Sensor off DSI4												
Back side with 10mm	100	QPSK270_0	633334/3500	50%	0.558	0.269	0.10	23.41	25.00	1.442	0.805	22
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_271	633334/3500	50%	0.157	0.075	0.14	17.13	18.50	1.371	0.215	22
Back side	100	QPSK1_271	633334/3500	50%	0.252	0.116	-0.05	17.13	18.50	1.371	0.345	22
Right side	100	QPSK1_271	633334/3500	50%	0.070	0.018	0.13	17.13	18.50	1.371	0.095	22
Top side	100	QPSK1_271	633334/3500	50%	0.377	0.156	-0.18	17.13	18.50	1.371	0.517	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.182	0.085	0.12	17.07	18.50	1.390	0.253	22
Back side	100	QPSK135_69	633334/3500	50%	0.297	0.139	0.14	17.07	18.50	1.390	0.413	22
Right side	100	QPSK135_69	633334/3500	50%	0.061	0.020	0.06	17.07	18.50	1.390	0.084	22



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

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Top side	100	QPSK135_69	633334/3500	50%	0.438	0.183	0.12	17.07	18.50	1.390	0.609	22
Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_271	633334/3500	50%	0.173	0.079	0.06	18.49	20.00	1.416	0.245	22.4
Left tilted	100	QPSK1_271	633334/3500	50%	0.163	0.071	0.13	18.49	20.00	1.416	0.231	22.4
Right cheek	100	QPSK1_271	633334/3500	50%	0.700	0.291	-0.03	18.49	20.00	1.416	0.991	22.4
Right tilted	100	QPSK1_271	633334/3500	50%	0.423	0.171	-0.07	18.49	20.00	1.416	0.599	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	633334/3500	50%	0.162	0.075	0.12	18.49	20.00	1.416	0.229	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.157	0.070	0.17	18.49	20.00	1.416	0.222	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.685	0.275	-0.01	18.49	20.00	1.416	0.970	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.398	0.163	-0.17	18.49	20.00	1.416	0.563	22.4
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	633334/3500	50%	0.393	0.187	-0.07	17.40	19.00	1.445	0.568	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_271	633334/3500	50%	0.444	0.185	0.01	18.49	20.00	1.416	0.629	22
Back side	100	QPSK1_271	633334/3500	50%	0.678	0.256	-0.08	18.49	20.00	1.416	0.960	22
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	633334/3500	50%	0.393	0.179	-0.16	18.49	20.00	1.416	0.556	22
Back side	100	QPSK135_69	633334/3500	50%	0.564	0.243	-0.10	18.49	20.00	1.416	0.799	22
Body worn Test data (Separate 5mm 50%RB) DSI4												
Back side	100	QPSK270_0	633334/3500	50%	0.488	0.215	0.12	17.40	19.00	1.445	0.705	22
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_271	633334/3500	50%	0.158	0.073	0.12	18.49	20.00	1.416	0.224	22
Back side	100	QPSK1_271	633334/3500	50%	0.189	0.084	0.01	18.49	20.00	1.416	0.268	22
Left side	100	QPSK1_271	633334/3500	50%	0.238	0.101	0.06	18.49	20.00	1.416	0.337	22
Top side	100	QPSK1_271	633334/3500	50%	0.106	0.048	-0.03	18.49	20.00	1.416	0.150	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.156	0.073	-0.14	18.49	20.00	1.416	0.221	22
Back side	100	QPSK135_69	633334/3500	50%	0.167	0.073	-0.19	18.49	20.00	1.416	0.236	22
Left side	100	QPSK135_69	633334/3500	50%	0.229	0.097	0.18	18.49	20.00	1.416	0.324	22
Top side	100	QPSK135_69	633334/3500	50%	0.105	0.049	0.02	18.49	20.00	1.416	0.149	22
Ant 8 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_137	633334/3500	50%	0.554	0.195	-0.11	18.67	20.50	1.524	0.844	22.4
Left tilted	100	QPSK1_137	633334/3500	50%	0.161	0.066	0.16	18.67	20.50	1.524	0.245	22.4
Right cheek	100	QPSK1_137	633334/3500	50%	0.076	0.036	0.16	18.67	20.50	1.524	0.116	22.4
Right tilted	100	QPSK1_137	633334/3500	50%	0.047	0.022	0.15	18.67	20.50	1.524	0.072	22.4
Head Test Data (50%RB) DSI1												



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Left cheek	100	QPSK135_69	633334/3500	50%	0.550	0.197	-0.08	18.60	20.50	1.549	0.852	22.3
Left tilted	100	QPSK135_69	633334/3500	50%	0.164	0.067	0.12	18.60	20.50	1.549	0.254	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.077	0.036	0.08	18.60	20.50	1.549	0.119	22.4
Right tilted	100	QPSK135_69	633334/3500	50%	0.051	0.024	0.02	18.60	20.50	1.549	0.079	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK270_0	633334/3500	50%	0.385	0.145	0.03	17.73	19.50	1.503	0.579	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_137	633334/3500	50%	0.337	0.136	-0.18	19.70	21.50	1.514	0.510	22
Back side	100	QPSK1_137	633334/3500	50%	0.576	0.237	0.16	19.70	21.50	1.514	0.872	22
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	633334/3500	50%	0.382	0.143	0.06	19.60	21.50	1.549	0.592	22
Back side	100	QPSK135_69	633334/3500	50%	0.590	0.245	-0.08	19.60	21.50	1.549	0.914	22
Body worn Test data (Separate 5mm 100%RB) Sensor on DSI3												
Back side	100	QPSK270_0	633334/3500	50%	0.455	0.224	0.08	18.70	20.50	1.514	0.689	22
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_137	633334/3500	50%	0.332	0.145	0.11	24.11	26.00	1.545	0.513	22
Back side with 10mm	100	QPSK1_137	633334/3500	50%	0.593	0.255	0.19	24.11	26.00	1.545	0.916	22
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	633334/3500	50%	0.339	0.153	-0.16	24.04	26.00	1.570	0.532	22
Back side with 10mm	100	QPSK135_69	633334/3500	50%	0.603	0.256	-0.06	24.04	26.00	1.570	0.947	22
Body worn Test data (100%RB) Sensor off DSI4												
Back side with 10mm	100	QPSK270_0	633334/3500	50%	0.442	0.226	0.09	23.05	25.00	1.567	0.693	22
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_137	633334/3500	50%	0.135	0.058	0.07	18.67	20.50	1.524	0.206	22
Back side	100	QPSK1_137	633334/3500	50%	0.251	0.105	0.14	18.67	20.50	1.524	0.383	22
Right side	100	QPSK1_137	633334/3500	50%	0.319	0.130	-0.07	18.67	20.50	1.524	0.486	22
Top side	100	QPSK1_137	633334/3500	50%	0.066	0.026	-0.09	18.67	20.50	1.524	0.101	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.137	0.061	-0.19	18.60	20.50	1.549	0.212	22
Back side	100	QPSK135_69	633334/3500	50%	0.259	0.110	-0.11	18.60	20.50	1.549	0.401	22
Right side	100	QPSK135_69	633334/3500	50%	0.290	0.122	0.00	18.60	20.50	1.549	0.449	22
Top side	100	QPSK135_69	633334/3500	50%	0.040	0.014	-0.16	18.60	20.50	1.549	0.062	22
Ant 9 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_1	633334/3500	50%	0.079	0.034	-0.09	23.74	25.50	1.500	0.118	22.4
Left tilted	100	QPSK1_1	633334/3500	50%	0.090	0.038	0.01	23.74	25.50	1.500	0.135	22.4
Right cheek	100	QPSK1_1	633334/3500	50%	0.335	0.135	0.14	23.74	25.50	1.500	0.502	22.4
Right tilted	100	QPSK1_1	633334/3500	50%	0.251	0.108	0.07	23.74	25.50	1.500	0.376	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	633334/3500	50%	0.098	0.046	0.10	23.86	25.50	1.459	0.143	22.4
Left tilted	100	QPSK135_69	633334/3500	50%	0.105	0.044	0.12	23.86	25.50	1.459	0.153	22.4
Right cheek	100	QPSK135_69	633334/3500	50%	0.436	0.180	0.17	23.86	25.50	1.459	0.636	22.4



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Right tilted	100	QPSK135_69	633334/3500	50%	0.288	0.125	0.18	23.86	25.50	1.459	0.420	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_1	633334/3500	50%	0.025	0.006	-0.05	9.79	11.50	1.483	0.037	22
Back side	100	QPSK1_1	633334/3500	50%	0.497	0.134	0.03	9.79	11.50	1.483	0.737	22.6
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	633334/3500	50%	0.034	0.014	0.00	9.95	11.50	1.429	0.049	22
Back side	100	QPSK135_69	633334/3500	50%	0.485	0.128	0.13	9.95	11.50	1.429	0.693	22
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	633334/3500	50%	0.051	0.014	0.04	9.79	11.50	1.483	0.076	22
Back side	100	QPSK1_1	633334/3500	50%	0.121	0.037	0.03	9.79	11.50	1.483	0.179	22.3
Left side	100	QPSK1_1	633334/3500	50%	0.044	0.026	-0.16	9.79	11.50	1.483	0.065	22
Top side	100	QPSK1_1	633334/3500	50%	0.029	0.011	-0.07	9.79	11.50	1.483	0.043	22
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	633334/3500	50%	0.048	0.012	-0.02	9.95	11.50	1.429	0.069	22
Back side	100	QPSK135_69	633334/3500	50%	0.131	0.077	0.10	9.95	11.50	1.429	0.187	22
Left side	100	QPSK135_69	633334/3500	50%	0.050	0.021	0.14	9.95	11.50	1.429	0.071	22
Top side	100	QPSK135_69	633334/3500	50%	0.031	0.009	-0.13	9.95	11.50	1.429	0.044	22

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left tilted	633334/3500	0.819	0.798	1.026	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.



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9.2.30 SAR Result of NR Band n78(3700-3800)

SA N78 SAR Test Record												
Ant 6 Test Record												
Test position	BW	Test mode	Test ch./Freq	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_1	650000/3750	50%	0.506	0.208	-0.04	20.08	21.00	1.236	0.625	22.4
Left tilted	100	QPSK1_1	650000/3750	50%	0.690	0.273	0.19	20.08	21.00	1.236	0.853	22.4
Right cheek	100	QPSK1_1	650000/3750	50%	0.628	0.258	-0.06	20.08	21.00	1.236	0.776	22.4
Right tilted	100	QPSK1_1	650000/3750	50%	0.585	0.241	-0.05	20.08	21.00	1.236	0.723	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.541	0.209	-0.18	20.00	21.00	1.259	0.681	22.4
Left tilted	100	QPSK135_69	650000/3750	50%	0.869	0.306	0.03	20.00	21.00	1.259	1.094	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.595	0.242	0.17	20.00	21.00	1.259	0.749	22.4
Right tilted	100	QPSK135_69	650000/3750	50%	0.652	0.255	0.10	20.00	21.00	1.259	0.821	22.4
Left tilted with Repeat	100	QPSK135_69	650000/3750	50%	0.845	0.289	-0.07	20.00	21.00	1.259	1.064	22.4
Head Test Data (100%RB) DSI1												
Left tilted	100	QPSK270_0	650000/3750	50%	0.642	0.236	-0.18	18.97	20.00	1.268	0.814	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_1	650000/3750	50%	0.110	0.044	0.12	17.20	18.50	1.349	0.148	21.9
Back side	100	QPSK1_1	650000/3750	50%	0.199	0.070	-0.15	17.20	18.50	1.349	0.268	21.9
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	650000/3750	50%	0.107	0.042	-0.18	17.07	18.50	1.390	0.149	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.251	0.083	0.07	17.07	18.50	1.390	0.349	21.9
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_1	650000/3750	50%	0.369	0.156	-0.08	24.65	26.00	1.365	0.504	21.9
Back side with 10mm	100	QPSK1_1	650000/3750	50%	0.574	0.251	-0.03	24.65	26.00	1.365	0.783	22
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	650000/3750	50%	0.348	0.146	-0.06	24.60	26.00	1.380	0.480	21.9
Back side with 10mm	100	QPSK135_69	650000/3750	50%	0.562	0.242	0.15	24.60	26.00	1.380	0.776	21.9
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	650000/3750	50%	0.173	0.076	0.05	17.20	18.50	1.349	0.233	21.9
Back side	100	QPSK1_1	650000/3750	50%	0.213	0.086	-0.17	17.20	18.50	1.349	0.287	21.9
Right side	100	QPSK1_1	650000/3750	50%	0.059	0.025	-0.10	17.20	18.50	1.349	0.080	21.9
Top side	100	QPSK1_1	650000/3750	50%	0.488	0.172	0.01	17.20	18.50	1.349	0.658	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.172	0.074	-0.01	17.07	18.50	1.390	0.239	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.252	0.101	0.09	17.07	18.50	1.390	0.350	21.9
Right side	100	QPSK135_69	650000/3750	50%	0.042	0.018	-0.13	17.07	18.50	1.390	0.058	21.9
Top side	100	QPSK135_69	650000/3750	50%	0.475	0.170	0.03	17.07	18.50	1.390	0.660	22.3



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Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_1	650000/3750	50%	0.177	0.077	0.08	18.55	20.00	1.396	0.247	22.4
Left tilted	100	QPSK1_1	650000/3750	50%	0.186	0.080	0.02	18.55	20.00	1.396	0.260	22.4
Right cheek	100	QPSK1_1	650000/3750	50%	0.580	0.254	-0.04	18.55	20.00	1.396	0.810	22.4
Right tilted	100	QPSK1_1	650000/3750	50%	0.464	0.180	-0.16	18.55	20.00	1.396	0.648	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.187	0.077	0.12	18.55	20.00	1.396	0.261	22.4
Left tilted	100	QPSK135_69	650000/3750	50%	0.194	0.078	-0.02	18.55	20.00	1.396	0.271	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.652	0.253	0.17	18.55	20.00	1.396	0.910	22.4
Right tilted	100	QPSK135_69	650000/3750	50%	0.444	0.169	0.08	18.55	20.00	1.396	0.620	22.4
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	650000/3750	50%	0.460	0.183	0.16	17.46	19.00	1.426	0.656	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_1	650000/3750	50%	0.318	0.137	-0.15	18.55	20.00	1.396	0.444	21.9
Back side	100	QPSK1_1	650000/3750	50%	0.670	0.264	-0.03	18.55	20.00	1.396	0.936	21.9
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	650000/3750	50%	0.333	0.135	-0.19	18.55	20.00	1.396	0.465	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.737	0.277	0.06	18.55	20.00	1.396	1.029	22.6
Body worn Test data (Separate 5mm 100%RB) DSI4												
Back side	100	QPSK135_69	650000/3750	50%	0.611	0.248	0.15	17.46	19.00	1.426	0.871	22.6
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	650000/3750	50%	0.136	0.063	-0.06	18.55	20.00	1.396	0.190	21.9
Back side	100	QPSK1_1	650000/3750	50%	0.232	0.097	-0.14	18.55	20.00	1.396	0.324	21.9
Left side	100	QPSK1_1	650000/3750	50%	0.260	0.110	-0.15	18.55	20.00	1.396	0.363	21.9
Top side	100	QPSK1_1	650000/3750	50%	0.121	0.051	0.06	18.55	20.00	1.396	0.169	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.115	0.053	0.18	18.55	20.00	1.396	0.161	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.244	0.104	-0.08	18.55	20.00	1.396	0.341	21.9
Left side	100	QPSK135_69	650000/3750	50%	0.290	0.120	-0.12	18.55	20.00	1.396	0.405	21.9
Top side	100	QPSK135_69	650000/3750	50%	0.124	0.052	0.19	18.55	20.00	1.396	0.173	21.9
Ant 8 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_1	650000/3750	50%	0.537	0.219	0.16	18.85	20.00	1.303	0.700	22.4
Left tilted	100	QPSK1_1	650000/3750	50%	0.266	0.110	-0.11	18.85	20.00	1.303	0.347	22.4
Right cheek	100	QPSK1_1	650000/3750	50%	0.128	0.058	-0.08	18.85	20.00	1.303	0.167	22.4
Right tilted	100	QPSK1_1	650000/3750	50%	0.110	0.051	-0.05	18.85	20.00	1.303	0.143	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.571	0.211	0.15	18.90	20.00	1.288	0.736	22.3



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Left tilted	100	QPSK135_69	650000/3750	50%	0.286	0.117	-0.18	18.90	20.00	1.288	0.368	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.116	0.052	0.16	18.90	20.00	1.288	0.149	22.4
Right tilted	100	QPSK135_69	650000/3750	50%	0.094	0.042	-0.19	18.90	20.00	1.288	0.121	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK270_0	650000/3750	50%	0.444	0.183	-0.17	17.84	19.00	1.306	0.580	22.4
Body worn Test data (Separate 5mm 1RB) Sensor on DSI3												
Front side	100	QPSK1_271	650000/3750	50%	0.320	0.129	0.18	19.81	21.00	1.315	0.421	21.9
Back side	100	QPSK1_271	650000/3750	50%	0.492	0.192	0.07	19.81	21.00	1.315	0.647	21.9
Body worn Test data (Separate 5mm 50%RB) Sensor on DSI3												
Front side	100	QPSK135_69	650000/3750	50%	0.328	0.138	-0.01	19.79	21.00	1.321	0.433	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.518	0.195	-0.09	19.79	21.00	1.321	0.684	22
Body worn Test data (1RB) Sensor off DSI4												
Front side with 10mm	100	QPSK1_271	650000/3750	50%	0.336	0.147	-0.12	24.30	25.50	1.318	0.443	21.9
Back side with 10mm	100	QPSK1_271	650000/3750	50%	0.483	0.216	-0.08	24.30	25.50	1.318	0.637	21.9
Body worn Test data (50%RB) Sensor off DSI4												
Front side with 10mm	100	QPSK135_69	650000/3750	50%	0.365	0.161	-0.06	24.31	25.50	1.315	0.480	21.9
Back side with 10mm	100	QPSK135_69	650000/3750	50%	0.501	0.211	0.15	24.31	25.50	1.315	0.659	21.9
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_1	650000/3750	50%	0.174	0.077	0.09	18.85	20.00	1.303	0.227	21.9
Back side	100	QPSK1_1	650000/3750	50%	0.291	0.123	-0.16	18.85	20.00	1.303	0.379	21.9
Right side	100	QPSK1_1	650000/3750	50%	0.299	0.127	-0.15	18.85	20.00	1.303	0.390	21.9
Top side	100	QPSK1_1	650000/3750	50%	0.098	0.047	0.14	18.85	20.00	1.303	0.128	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.178	0.080	-0.19	18.90	20.00	1.288	0.229	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.296	0.120	-0.16	18.90	20.00	1.288	0.381	21.9
Right side	100	QPSK135_69	650000/3750	50%	0.311	0.129	-0.12	18.90	20.00	1.288	0.401	21.9
Top side	100	QPSK135_69	650000/3750	50%	0.089	0.044	0.10	18.90	20.00	1.288	0.115	21.9
Ant 9 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) DSI1												
Left cheek	100	QPSK1_271	650000/3750	50%	0.180	0.083	0.08	24.04	25.50	1.400	0.252	22.4
Left tilted	100	QPSK1_271	650000/3750	50%	0.148	0.074	0.02	24.04	25.50	1.400	0.207	22.4
Right cheek	100	QPSK1_271	650000/3750	50%	0.426	0.181	-0.14	24.04	25.50	1.400	0.596	22.4
Right tilted	100	QPSK1_271	650000/3750	50%	0.295	0.130	0.01	24.04	25.50	1.400	0.413	22.4
Head Test Data (50%RB) DSI1												
Left cheek	100	QPSK135_69	650000/3750	50%	0.161	0.078	-0.15	24.02	25.50	1.406	0.226	22.4
Left tilted	100	QPSK135_69	650000/3750	50%	0.177	0.078	-0.07	24.02	25.50	1.406	0.249	22.4
Right cheek	100	QPSK135_69	650000/3750	50%	0.489	0.214	-0.11	24.02	25.50	1.406	0.688	22.4
Right tilted	100	QPSK135_69	650000/3750	50%	0.344	0.152	0.08	24.02	25.50	1.406	0.484	22.4
Head Test Data (50%RB) DSI1												
Right cheek	100	QPSK270_0	650000/3750	50%	0.451	0.190	0.10	22.96	24.50	1.426	0.643	22.4
Body worn Test data (Separate 5mm 1RB) DSI 4												
Front side	100	QPSK1_271	650000/3750	50%	0.039	0.015	-0.07	10.21	11.50	1.346	0.052	21.9



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Back side	100	QPSK1_271	650000/3750	50%	0.184	0.075	0.00	10.21	11.50	1.346	0.248	21.9
Body worn Test data (Separate 5mm 50%RB) DSI4												
Front side	100	QPSK135_69	650000/3750	50%	0.033	0.015	0.04	10.19	11.50	1.352	0.045	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.200	0.082	-0.01	10.19	11.50	1.352	0.270	21.9
Hotspot Test data (Separate 10mm 1RB) DSI5												
Front side	100	QPSK1_271	650000/3750	50%	0.049	0.022	0.09	10.21	11.50	1.346	0.066	21.9
Back side	100	QPSK1_271	650000/3750	50%	0.179	0.079	0.06	10.21	11.50	1.346	0.241	21.9
Left side	100	QPSK1_271	650000/3750	50%	0.157	0.064	-0.05	10.21	11.50	1.346	0.211	21.9
Top side	100	QPSK1_271	650000/3750	50%	0.023	0.009	-0.19	10.21	11.50	1.346	0.031	21.9
Hotspot Test data (Separate 10mm 50%RB) DSI5												
Front side	100	QPSK135_69	650000/3750	50%	0.055	0.025	-0.06	10.19	11.50	1.352	0.074	21.9
Back side	100	QPSK135_69	650000/3750	50%	0.230	0.099	0.03	10.19	11.50	1.352	0.311	21.9
Left side	100	QPSK135_69	650000/3750	50%	0.164	0.069	-0.06	10.19	11.50	1.352	0.222	21.9
Top side	100	QPSK135_69	650000/3750	50%	0.043	0.018	0.16	10.19	11.50	1.352	0.058	21.9

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left tilted	650000/3750	0.869	0.845	1.028	N/A	N/A

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

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

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

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

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.



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9.2.31 SAR Result of WIFI 2.4G

Wi-Fi 2.4G SAR Test Record												
Ant8(chain1) Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	802.11b	11/2462	96.80%	1.033	0.803	0.354	0.17	16.89	17.50	1.151	0.955	22.4
Left tilted	802.11b	11/2462	96.80%	1.033	0.257	0.125	-0.03	16.89	17.50	1.151	0.306	22.4
Right cheek	802.11b	11/2462	96.80%	1.033	0.126	0.070	0.18	16.89	17.50	1.151	0.150	22.4
Right tilted	802.11b	11/2462	96.80%	1.033	0.089	0.049	-0.07	16.89	17.50	1.151	0.106	22.4
Left cheek	802.11b	1/2412	96.80%	1.033	0.755	0.312	0.19	16.82	17.50	1.169	0.912	22.4
Left cheek	802.11b	6/2437	96.80%	1.033	0.758	0.318	0.05	16.75	17.50	1.189	0.931	22.4
Body worn Test data (Separate 5mm)												
Front side	802.11b	1/2412	96.80%	1.033	0.379	0.166	0.14	17.83	18.50	1.167	0.457	22.4
Back side	802.11b	1/2412	96.80%	1.033	0.608	0.294	-0.16	17.83	18.50	1.167	0.733	22.4
Hotspot Test data (Separate 10mm)												
Front side	802.11b	6/2437	96.80%	1.033	0.214	0.105	0.02	18.95	19.50	1.135	0.251	22.4
Back side	802.11b	6/2437	96.80%	1.033	0.347	0.187	0.16	18.95	19.50	1.135	0.407	22.4
Right side	802.11b	6/2437	96.80%	1.033	0.448	0.210	-0.08	18.95	19.50	1.135	0.525	22.4
Top side	802.11b	6/2437	96.80%	1.033	0.106	0.053	-0.18	18.95	19.50	1.135	0.124	22.4
Ant16(chain0) Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	802.11b	1/2412	96.80%	1.033	0.439	0.227	-0.17	17.65	18.50	1.216	0.552	22.4
Left tilted	802.11b	1/2412	96.80%	1.033	0.549	0.262	-0.16	17.65	18.50	1.216	0.690	22.4
Right cheek	802.11b	1/2412	96.80%	1.033	0.408	0.205	0.02	17.65	18.50	1.216	0.513	22.4
Right tilted	802.11b	1/2412	96.80%	1.033	0.455	0.226	-0.15	17.65	18.50	1.216	0.572	22.4
Body worn Test data (Separate 5mm)												
Front side	802.11b	1/2412	96.80%	1.033	0.291	0.142	0.14	18.65	19.50	1.216	0.366	22.4
Back side	802.11b	1/2412	96.80%	1.033	0.437	0.206	0.06	18.65	19.50	1.216	0.549	22.4
Hotspot Test data (Separate 10mm)												
Front side	802.11b	6/2437	96.80%	1.033	0.258	0.131	0.10	19.68	20.50	1.208	0.322	22.4
Back side	802.11b	6/2437	96.80%	1.033	0.385	0.194	0.04	19.68	20.50	1.208	0.480	22.4
Top side	802.11b	6/2437	96.80%	1.033	0.330	0.154	0.17	19.68	20.50	1.208	0.412	22.4
MIMO Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	802.11g	6/2437	97.07%	1.030	0.843	0.399	0.07	19.99	20.50	1.125	0.977	22.1
Left tilted	802.11g	6/2437	97.07%	1.030	0.605	0.311	0.15	19.99	20.50	1.125	0.701	22.4



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Right cheek	802.11g	6/2437	97.07%	1.030	0.330	0.179	-0.19	19.99	20.50	1.125	0.382	22.4
Right tilted	802.11g	6/2437	97.07%	1.030	0.426	0.215	0.14	19.99	20.50	1.125	0.494	22.4
Left cheek	802.11g	1/2412	97.07%	1.030	0.822	0.368	0.07	19.93	20.50	1.140	0.966	22.4
Left cheek	802.11g	11/2462	97.07%	1.030	0.805	0.368	0.03	19.95	20.50	1.135	0.941	22.4
Left cheek with Repeat	802.11g	6/2437	97.07%	1.030	0.840	0.395	0.05	19.99	20.50	1.125	0.973	22.4
Body worn Test data (Separate 5mm)												
Front side	802.11g	6/2437	97.07%	1.030	0.321	0.124	-0.13	19.99	20.50	1.125	0.372	22.4
Back side	802.11g	6/2437	97.07%	1.030	0.375	0.206	0.15	19.99	20.50	1.125	0.434	22.1
Back side	802.11g	1/2412	97.07%	1.030	0.586	0.309	-0.02	19.93	20.50	1.140	0.688	22.4
Back side	802.11g	11/2462	97.07%	1.030	0.510	0.275	-0.03	19.95	20.50	1.135	0.596	22.4
Hotspot Test data (Separate 10mm)												
Front side	802.11g	6/2437	97.07%	1.030	0.221	0.121	-0.01	19.99	20.50	1.125	0.256	22.4
Back side	802.11g	6/2437	97.07%	1.030	0.411	0.227	0.00	19.99	20.50	1.125	0.476	22.4
Right side	802.11g	6/2437	97.07%	1.030	0.397	0.191	0.17	19.99	20.50	1.125	0.460	22.4
Top side	802.11g	6/2437	97.07%	1.030	0.245	0.118	-0.19	19.99	20.50	1.125	0.284	22.4
Ant8(chain1) Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data												
Left cheek	802.11b	11/2462	96.80%	1.033	0.803	0.354	0.17	16.89	14.50	0.577	0.478	22.4
Left tilted	802.11b	11/2462	96.80%	1.033	0.257	0.125	-0.03	16.89	14.50	0.577	0.153	22.4
Right cheek	802.11b	11/2462	96.80%	1.033	0.126	0.070	0.18	16.89	14.50	0.577	0.075	22.4
Right tilted	802.11b	11/2462	96.80%	1.033	0.089	0.049	-0.07	16.89	14.50	0.577	0.053	22.4
Left cheek	802.11b	1/2412	96.80%	1.033	0.755	0.312	0.19	16.82	14.50	0.586	0.457	22.4
Left cheek	802.11b	6/2437	96.80%	1.033	0.758	0.318	0.05	16.75	14.50	0.596	0.466	22.4
Body worn Evaluate data (Separate 5mm)												
Front side	802.11b	1/2412	96.80%	1.033	0.379	0.166	0.14	17.83	15.50	0.585	0.229	22.4
Back side	802.11b	1/2412	96.80%	1.033	0.608	0.294	-0.16	17.83	15.50	0.585	0.367	22.4
Hotspot Evaluate data (Separate 10mm)												
Front side	802.11b	6/2437	96.80%	1.033	0.214	0.105	0.02	18.95	16.50	0.569	0.126	22.4
Back side	802.11b	6/2437	96.80%	1.033	0.347	0.187	0.16	18.95	16.50	0.569	0.204	22.4
Right side	802.11b	6/2437	96.80%	1.033	0.448	0.210	-0.08	18.95	16.50	0.569	0.263	22.4
Top side	802.11b	6/2437	96.80%	1.033	0.106	0.053	-0.18	18.95	16.50	0.569	0.062	22.4
Ant16(chain0) Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data												
Left cheek	802.11b	1/2412	96.80%	1.033	0.439	0.227	-0.17	17.65	15.50	0.610	0.276	22.4
Left tilted	802.11b	1/2412	96.80%	1.033	0.549	0.262	-0.16	17.65	15.50	0.610	0.346	22.4
Right cheek	802.11b	1/2412	96.80%	1.033	0.408	0.205	0.02	17.65	15.50	0.610	0.257	22.4
Right tilted	802.11b	1/2412	96.80%	1.033	0.455	0.226	-0.15	17.65	15.50	0.610	0.287	22.4
Body worn Evaluate data (Separate 5mm)												
Front side	802.11b	1/2412	96.80%	1.033	0.291	0.142	0.14	18.65	16.50	0.610	0.183	22.4



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Back side	802.11b	1/2412	96.80%	1.033	0.437	0.206	0.06	18.65	16.50	0.610	0.275	22.4
Hotspot Evaluate data (Separate 10mm)												
Front side	802.11b	6/2437	96.80%	1.033	0.258	0.131	0.10	19.68	17.50	0.605	0.161	22.4
Back side	802.11b	6/2437	96.80%	1.033	0.385	0.194	0.04	19.68	17.50	0.605	0.241	22.4
Top side	802.11b	6/2437	96.80%	1.033	0.330	0.154	0.17	19.68	17.50	0.605	0.206	22.4
MIMO Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data												
Left cheek	802.11g	6/2437	97.07%	1.030	0.843	0.399	0.07	19.99	17.50	0.564	0.489	22.1
Left tilted	802.11g	6/2437	97.07%	1.030	0.605	0.311	0.15	19.99	17.50	0.564	0.351	22.4
Right cheek	802.11g	6/2437	97.07%	1.030	0.330	0.179	-0.19	19.99	17.50	0.564	0.192	22.4
Right tilted	802.11g	6/2437	97.07%	1.030	0.426	0.215	0.14	19.99	17.50	0.564	0.247	22.4
Left cheek	802.11g	1/2412	97.07%	1.030	0.822	0.368	0.07	19.93	17.50	0.571	0.484	22.4
Left cheek	802.11g	11/2462	97.07%	1.030	0.805	0.368	0.03	19.95	17.50	0.569	0.472	22.4
Left cheek with Repeat	802.11g	6/2437	97.07%	1.030	0.840	0.395	0.05	19.99	17.50	0.564	0.488	22.4
Body worn Evaluate data (Separate 5mm)												
Front side	802.11g	6/2437	97.07%	1.030	0.321	0.124	-0.13	19.99	17.50	0.564	0.186	22.4
Back side	802.11g	6/2437	97.07%	1.030	0.375	0.206	0.15	19.99	17.50	0.564	0.218	22.1
Back side	802.11g	1/2412	97.07%	1.030	0.586	0.309	-0.02	19.93	17.50	0.571	0.345	22.4
Back side	802.11g	11/2462	97.07%	1.030	0.510	0.275	-0.03	19.95	17.50	0.569	0.299	22.4
Hotspot Evaluate data (Separate 10mm)												
Front side	802.11g	6/2437	97.07%	1.030	0.221	0.121	-0.01	19.99	17.50	0.564	0.128	22.4
Back side	802.11g	6/2437	97.07%	1.030	0.411	0.227	0.00	19.99	17.50	0.564	0.239	22.4
Right side	802.11g	6/2437	97.07%	1.030	0.397	0.191	0.17	19.99	17.50	0.564	0.231	22.4
Top side	802.11g	6/2437	97.07%	1.030	0.245	0.118	-0.19	19.99	17.50	0.564	0.142	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left cheek	1/2412	0.843	0.840	1.004	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						



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9.2.32 SAR Result of WIFI 5G

Ant17(chain0) Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-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	802.11nHT40	54/5270	93.74%	1.067	0.467	0.149	-0.02	13.86	14.50	1.159	0.577	22.3
Left tilted	802.11nHT40	54/5270	93.74%	1.067	0.343	0.108	0.06	13.86	14.50	1.159	0.424	22.3
Right cheek	802.11nHT40	54/5270	93.74%	1.067	0.109	0.042	0.04	13.86	14.50	1.159	0.135	22.3
Right tilted	802.11nHT40	54/5270	93.74%	1.067	0.118	0.045	-0.03	13.86	14.50	1.159	0.146	22.3
Head Test Data of U-NII-2C												
Left cheek	802.11nHT40	102/5510	93.74%	1.067	0.459	0.166	0.01	14.63	15.50	1.222	0.598	22.3
Left tilted	802.11nHT40	102/5510	93.74%	1.067	0.530	0.169	0.06	14.63	15.50	1.222	0.691	22.3
Right cheek	802.11nHT40	102/5510	93.74%	1.067	0.249	0.096	-0.10	14.63	15.50	1.222	0.325	22.3
Right tilted	802.11nHT40	102/5510	93.74%	1.067	0.336	0.121	0.03	14.63	15.50	1.222	0.438	22.3
Head Test Data of U-NII-3												
Left cheek	802.11a	161/5805	93.55%	1.069	0.466	0.155	0.13	15.17	16.00	1.211	0.603	22.3
Left tilted	802.11a	161/5805	93.55%	1.069	0.535	0.173	0.04	15.17	16.00	1.211	0.692	22.3
Right cheek	802.11a	161/5805	93.55%	1.069	0.278	0.102	-0.02	15.17	16.00	1.211	0.360	22.3
Right tilted	802.11a	161/5805	93.55%	1.069	0.336	0.117	-0.10	15.17	16.00	1.211	0.435	22.3
Body worn Test data of U-NII-2A (Separate 5mm)												
Front side	802.11nHT40	54/5270	93.74%	1.067	0.209	0.074	0.13	13.92	14.50	1.143	0.255	22.4
Back side	802.11nHT40	54/5270	93.74%	1.067	0.501	0.153	0.08	13.92	14.50	1.143	0.611	22.4
Body worn Test data of U-NII-2C (Separate 5mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	0.259	0.101	-0.16	15.67	16.50	1.211	0.334	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.543	0.177	0.05	15.67	16.50	1.211	0.702	22.4
Body worn Test data of U-NII-3 (Separate 5mm)												
Front side	802.11a	161/5805	97.00%	1.031	0.254	0.090	-0.13	15.61	16.50	1.227	0.322	22.1
Back side	802.11a	161/5805	97.00%	1.031	0.310	0.117	0.13	15.61	16.50	1.227	0.392	22.1
Hotspot Test data of U-NII-1 (Separate 10mm)												
Front side	802.11nHT40	46/5230	93.74%	1.067	0.178	0.067	-0.18	17.06	18.00	1.242	0.236	22.4
Back side	802.11nHT40	46/5230	93.74%	1.067	0.392	0.139	-0.07	17.06	18.00	1.242	0.519	22.4
Right side	802.11nHT40	46/5230	93.74%	1.067	0.330	0.134	-0.04	17.06	18.00	1.242	0.437	22.4
Top side	802.11nHT40	46/5230	93.74%	1.067	0.241	0.097	-0.05	17.06	18.00	1.242	0.319	22.4
Hotspot Test data of U-NII-3 (Separate 10mm)												
Front side	802.11a	161/5805	97.00%	1.031	0.173	0.066	0.05	18.15	19.00	1.216	0.217	22.1
Back side	802.11a	161/5805	97.00%	1.031	0.237	0.089	0.04	18.15	19.00	1.216	0.297	22.1
Right side	802.11a	161/5805	97.00%	1.031	0.282	0.107	-0.17	18.15	19.00	1.216	0.354	22.1
Top side	802.11a	161/5805	97.00%	1.031	0.419	0.153	0.07	18.15	19.00	1.216	0.525	22.1
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm)												
Front side	802.11nHT40	54/5270	93.74%	1.067	1.280	0.348	0.08	13.92	14.50	1.143	0.424	22.4
Back side	802.11nHT40	54/5270	93.74%	1.067	0.764	0.210	-0.07	13.92	14.50	1.143	0.256	22.4
Right side	802.11nHT40	54/5270	93.74%	1.067	1.390	0.374	-0.14	13.92	14.50	1.143	0.456	22.4
Top side	802.11nHT40	54/5270	93.74%	1.067	1.310	0.402	0.17	13.92	14.50	1.143	0.490	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	1.110	0.355	-0.19	15.67	16.50	1.211	0.458	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.919	0.270	0.16	15.67	16.50	1.211	0.349	22.4
Right side	802.11nHT40	102/5510	93.74%	1.067	1.870	0.585	0.13	15.67	16.50	1.211	0.755	22.4
Top side	802.11nHT40	102/5510	93.74%	1.067	3.000	0.799	-0.19	15.67	16.50	1.211	1.032	22.4
Ant18(chain1) Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data of U-NII-2A												



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Left cheek	802.11nHT40	62/5310	93.74%	1.067	0.581	0.191	0.09	13.37	14.00	1.156	0.717	22.3
Left tilted	802.11nHT40	62/5310	93.74%	1.067	0.139	0.055	0.15	13.37	14.00	1.156	0.171	22.3
Right cheek	802.11nHT40	62/5310	93.74%	1.067	0.113	0.045	0.04	13.37	14.00	1.156	0.139	22.3
Right tilted	802.11nHT40	62/5310	93.74%	1.067	0.065	0.027	-0.04	13.37	14.00	1.156	0.080	22.3
Head Test Data of U-NII-2C												
Left cheek	802.11nHT40	102/5510	93.74%	1.067	0.554	0.182	0.12	14.21	15.00	1.199	0.709	22.3
Left tilted	802.11nHT40	102/5510	93.74%	1.067	0.122	0.047	0.10	14.21	15.00	1.199	0.156	22.3
Right cheek	802.11nHT40	102/5510	93.74%	1.067	0.110	0.043	0.15	14.21	15.00	1.199	0.141	22.3
Right tilted	802.11nHT40	102/5510	93.74%	1.067	0.063	0.022	0.09	14.21	15.00	1.199	0.081	22.3
Head Test Data of U-NII-3												
Left cheek	802.11a	144/5720	97.00%	1.031	0.572	0.186	0.10	14.34	15.50	1.306	0.770	22.3
Left tilted	802.11a	144/5720	97.00%	1.031	0.133	0.049	-0.11	14.34	15.50	1.306	0.179	22.3
Right cheek	802.11a	144/5720	97.00%	1.031	0.160	0.059	0.00	14.34	15.50	1.306	0.215	22.3
Right tilted	802.11a	144/5720	97.00%	1.031	0.057	0.025	0.09	14.34	15.50	1.306	0.077	22.3
Body worn Test data of U-NII-2A (Separate 5mm)												
Front side	802.11nHT40	62/5310	93.74%	1.067	0.329	0.119	0.03	13.39	14.00	1.151	0.404	22.4
Back side	802.11nHT40	62/5310	93.74%	1.067	0.484	0.170	0.09	13.39	14.00	1.151	0.594	22.4
Body worn Test data of U-NII-2C (Separate 5mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	0.393	0.148	-0.14	15.21	16.00	1.199	0.503	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.562	0.201	0.16	15.21	16.00	1.199	0.719	22.4
Body worn Test data of U-NII-3 (Separate 5mm)												
Front side	802.11a	144/5720	97.00%	1.031	0.344	0.132	-0.18	14.89	16.00	1.291	0.458	22.1
Back side	802.11a	144/5720	97.00%	1.031	0.501	0.206	0.01	14.89	16.00	1.291	0.667	22.1
Hotspot Test data of U-NII-1 (Separate 10mm)												
Front side	802.11nHT40	46/5230	93.74%	1.067	0.153	0.067	0.09	16.95	17.50	1.135	0.185	22.4
Back side	802.11nHT40	46/5230	93.74%	1.067	0.173	0.071	-0.15	16.95	17.50	1.135	0.209	22.4
Right side	802.11nHT40	46/5230	93.74%	1.067	0.325	0.132	-0.04	16.95	17.50	1.135	0.394	22.4
Hotspot Test data of U-NII-3 (Separate 10mm)												
Front side	802.11a	144/5720	97.00%	1.031	0.186	0.074	-0.02	17.41	18.50	1.285	0.246	22.1
Back side	802.11a	144/5720	97.00%	1.031	0.246	0.091	0.09	17.41	18.50	1.285	0.326	22.1
Right side	802.11a	144/5720	97.00%	1.031	0.527	0.193	0.11	17.41	18.50	1.285	0.698	22.1
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm)												
Front side	802.11nHT40	62/5310	93.74%	1.067	1.030	0.323	0.00	13.39	14.00	1.151	0.397	22.4
Back side	802.11nHT40	62/5310	93.74%	1.067	0.667	0.208	-0.19	13.39	14.00	1.151	0.255	22.4
Right side	802.11nHT40	62/5310	93.74%	1.067	1.980	0.528	0.10	13.39	14.00	1.151	0.648	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	1.380	0.440	-0.09	15.21	16.00	1.199	0.563	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.835	0.284	0.04	15.21	16.00	1.199	0.363	22.4
Right side	802.11nHT40	102/5510	93.74%	1.067	3.520	0.932	-0.11	15.21	16.00	1.199	1.193	22.4
MIMO Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-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	52/5260	97.00%	1.031	0.734	0.235	0.07	16.80	17.50	1.176	0.890	22.3
Left tilted	802.11a	52/5260	97.00%	1.031	0.432	0.160	0.10	16.80	17.50	1.176	0.524	22.3
Right cheek	802.11a	52/5260	97.00%	1.031	0.194	0.072	0.10	16.80	17.50	1.176	0.235	22.3
Right tilted	802.11a	52/5260	97.00%	1.031	0.205	0.075	-0.04	16.80	17.50	1.176	0.248	22.3
Left cheek	802.11a	56/5280	97.00%	1.031	0.721	0.265	-0.13	16.77	17.50	1.183	0.879	22.3
Head Test Data of U-NII-2C												
Left cheek	802.11a	100/5500	97.00%	1.031	0.685	0.254	0.19	17.61	18.50	1.228	0.867	22.3
Left tilted	802.11a	100/5500	97.00%	1.031	0.586	0.194	0.02	17.61	18.50	1.228	0.742	22.3
Right cheek	802.11a	100/5500	97.00%	1.031	0.309	0.117	0.19	17.61	18.50	1.228	0.391	22.3
Right tilted	802.11a	100/5500	97.00%	1.031	0.367	0.136	-0.16	17.61	18.50	1.228	0.465	22.3
Left cheek	802.11a	120/5600	97.00%	1.031	0.556	0.197	0.10	17.30	18.50	1.317	0.755	22.3
Head Test Data of U-NII-3												



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Left cheek	802.11a	144/5720	97.00%	1.031	0.687	0.237	0.00	17.69	18.50	1.206	0.854	22.3
Left tilted	802.11a	144/5720	97.00%	1.031	0.624	0.206	-0.13	17.69	18.50	1.206	0.776	22.3
Right cheek	802.11a	144/5720	97.00%	1.031	0.351	0.131	-0.18	17.69	18.50	1.206	0.436	22.3
Right tilted	802.11a	144/5720	97.00%	1.031	0.418	0.152	-0.07	17.69	18.50	1.206	0.520	22.3
Left cheek	802.11a	157/5785	97.00%	1.031	0.625	0.213	-0.16	17.62	18.50	1.225	0.789	22.3
Left tilted	802.11a	157/5785	97.00%	1.031	0.658	0.223	0.17	17.62	18.50	1.225	0.831	22.3
Body worn Test data of U-NII-2A (Separate 5mm)												
Front side	802.11a	52/5260	97.00%	1.031	0.362	0.137	-0.10	16.79	17.50	1.179	0.440	22.4
Back side	802.11a	52/5260	97.00%	1.031	0.619	0.194	-0.04	16.79	17.50	1.179	0.752	22.4
Body worn Test data of U-NII-2C (Separate 5mm)												
Front side	802.11a	108/5540	97.00%	1.031	0.385	0.163	0.06	18.75	19.50	1.189	0.472	22.4
Back side	802.11a	108/5540	97.00%	1.031	0.722	0.249	-0.02	18.75	19.50	1.189	0.885	22.3
Back side	802.11a	100/5500	97.00%	1.031	0.685	0.224	0.03	18.59	19.50	1.232	0.870	22.4
Body worn Test data of U-NII-3 (Separate 5mm)												
Front side	802.11a	153/5765	97.00%	1.031	0.334	0.121	0.16	18.20	19.00	1.203	0.414	22.1
Back side	802.11a	153/5765	97.00%	1.031	0.521	0.191	-0.10	18.20	19.00	1.203	0.646	22.1
Hotspot Test data of U-NII-1 (Separate 10mm)												
Front side	802.11a	48/5240	97.00%	1.031	0.307	0.130	0.18	20.16	21.00	1.213	0.384	22.4
Back side	802.11a	48/5240	97.00%	1.031	0.584	0.216	-0.12	20.16	21.00	1.213	0.730	22.4
Right side	802.11a	48/5240	97.00%	1.031	0.611	0.251	-0.12	20.16	21.00	1.213	0.764	22.4
Top side	802.11a	48/5240	97.00%	1.031	0.343	0.142	-0.05	20.16	21.00	1.213	0.429	22.4
Hotspot Test data of U-NII-3 (Separate 10mm)												
Front side	802.11a	144/5720	97.00%	1.031	0.274	0.111	0.17	20.71	21.50	1.200	0.339	22.1
Back side	802.11a	144/5720	97.00%	1.031	0.440	0.180	0.03	20.71	21.50	1.200	0.544	22.1
Right side	802.11a	144/5720	97.00%	1.031	0.684	0.262	-0.02	20.71	21.50	1.200	0.846	22.3
Top side	802.11a	144/5720	97.00%	1.031	0.492	0.170	0.02	20.71	21.50	1.200	0.609	22.1
Right side	802.11a	161/5805	97.00%	1.031	0.655	0.245	-0.07	20.67	21.50	1.210	0.817	22.3
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm)												
Front side	802.11a	52/5260	97.00%	1.031	1.190	0.382	-0.18	16.79	17.50	1.179	0.464	22.4
Back side	802.11a	52/5260	97.00%	1.031	0.903	0.262	-0.15	16.79	17.50	1.179	0.318	22.4
Right side	802.11a	52/5260	97.00%	1.031	3.260	0.855	0.00	16.79	17.50	1.179	1.039	22.4
Top side	802.11a	52/5260	97.00%	1.031	1.760	0.566	0.14	16.79	17.50	1.179	0.688	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm)												
Front side	802.11a	108/5540	97.00%	1.031	1.610	0.501	0.17	18.75	19.50	1.189	0.614	22.4
Back side	802.11a	108/5540	97.00%	1.031	1.150	0.402	-0.04	18.75	19.50	1.189	0.493	22.4
Right side	802.11a	108/5540	97.00%	1.031	5.660	1.380	-0.02	18.75	19.50	1.189	1.691	22.3
Top side	802.11a	108/5540	97.00%	1.031	3.190	0.960	-0.19	18.75	19.50	1.189	1.176	22.4
Ant17(chain0) Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data of U-NII-2A												
Left cheek	802.11nHT40	54/5270	93.74%	1.067	0.467	0.149	-0.02	13.86	10.00	0.411	0.205	22.3
Left tilted	802.11nHT40	54/5270	93.74%	1.067	0.343	0.108	0.06	13.86	10.00	0.411	0.150	22.3
Right cheek	802.11nHT40	54/5270	93.74%	1.067	0.109	0.042	0.04	13.86	10.00	0.411	0.048	22.3
Right tilted	802.11nHT40	54/5270	93.74%	1.067	0.118	0.045	-0.03	13.86	10.00	0.411	0.052	22.3
Head Evaluate Data of U-NII-2C												
Left cheek	802.11nHT40	102/5510	93.74%	1.067	0.459	0.166	0.01	14.63	11.00	0.434	0.212	22.3
Left tilted	802.11nHT40	102/5510	93.74%	1.067	0.530	0.169	0.06	14.63	11.00	0.434	0.245	22.3
Right cheek	802.11nHT40	102/5510	93.74%	1.067	0.249	0.096	-0.10	14.63	11.00	0.434	0.115	22.3
Right tilted	802.11nHT40	102/5510	93.74%	1.067	0.336	0.121	0.03	14.63	11.00	0.434	0.155	22.3
Head Evaluate Data of U-NII-3												
Left cheek	802.11a	161/5805	93.55%	1.069	0.466	0.155	0.13	15.17	11.50	0.430	0.214	22.3
Left tilted	802.11a	161/5805	93.55%	1.069	0.535	0.173	0.04	15.17	11.50	0.430	0.246	22.3
Right cheek	802.11a	161/5805	93.55%	1.069	0.278	0.102	-0.02	15.17	11.50	0.430	0.128	22.3
Right tilted	802.11a	161/5805	93.55%	1.069	0.336	0.117	-0.10	15.17	11.50	0.430	0.154	22.3



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Body worn Evaluate data of U-NII-2A (Separate 5mm)												
Front side	802.11nHT40	54/5270	93.74%	1.067	0.209	0.074	0.13	13.92	10.50	0.455	0.101	22.4
Back side	802.11nHT40	54/5270	93.74%	1.067	0.501	0.153	0.08	13.92	10.50	0.455	0.243	22.4
Body worn Evaluate data of U-NII-2C (Separate 5mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	0.259	0.101	-0.16	15.67	12.50	0.482	0.133	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.543	0.177	0.05	15.67	12.50	0.482	0.279	22.4
Body worn Evaluate data of U-NII-3 (Separate 5mm)												
Front side	802.11a	161/5805	97.00%	1.031	0.254	0.090	-0.13	15.61	12.50	0.489	0.128	22.1
Back side	802.11a	161/5805	97.00%	1.031	0.310	0.117	0.13	15.61	12.50	0.489	0.156	22.1
Hotspot Evaluate data of U-NII-1 (Separate 10mm)												
Front side	802.11nHT40	46/5230	93.74%	1.067	0.178	0.067	-0.18	17.06	15.00	0.622	0.118	22.4
Back side	802.11nHT40	46/5230	93.74%	1.067	0.392	0.139	-0.07	17.06	15.00	0.622	0.260	22.4
Right side	802.11nHT40	46/5230	93.74%	1.067	0.330	0.134	-0.04	17.06	15.00	0.622	0.219	22.4
Top side	802.11nHT40	46/5230	93.74%	1.067	0.241	0.097	-0.05	17.06	15.00	0.622	0.160	22.4
Hotspot Evaluate data of U-NII-3 (Separate 10mm)												
Front side	802.11a	161/5805	97.00%	1.031	0.173	0.066	0.05	18.15	16.00	0.610	0.109	22.1
Back side	802.11a	161/5805	97.00%	1.031	0.237	0.089	0.04	18.15	16.00	0.610	0.149	22.1
Right side	802.11a	161/5805	97.00%	1.031	0.282	0.107	-0.17	18.15	16.00	0.610	0.177	22.1
Top side	802.11a	161/5805	97.00%	1.031	0.419	0.153	0.07	18.15	16.00	0.610	0.263	22.1
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Evaluate data of U-NII-2A (Separate 0mm)												
Front side	802.11nHT40	54/5270	93.74%	1.067	1.280	0.348	0.08	13.92	11.50	0.573	0.213	22.4
Back side	802.11nHT40	54/5270	93.74%	1.067	0.764	0.210	-0.07	13.92	11.50	0.573	0.128	22.4
Right side	802.11nHT40	54/5270	93.74%	1.067	1.390	0.374	-0.14	13.92	11.50	0.573	0.229	22.4
Top side	802.11nHT40	54/5270	93.74%	1.067	1.310	0.402	0.17	13.92	11.50	0.573	0.246	22.4
Product specific 10gSAR Evaluate data of U-NII-2C (Separate 0mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	1.110	0.355	-0.19	15.67	13.50	0.607	0.230	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.919	0.270	0.16	15.67	13.50	0.607	0.175	22.4
Right side	802.11nHT40	102/5510	93.74%	1.067	1.870	0.585	0.13	15.67	13.50	0.607	0.379	22.4
Top side	802.11nHT40	102/5510	93.74%	1.067	3.000	0.799	-0.19	15.67	13.50	0.607	0.517	22.4
Ant18(chain1) Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data of U-NII-2A												
Left cheek	802.11nHT40	62/5310	93.74%	1.067	0.581	0.191	0.09	13.37	9.50	0.410	0.254	22.3
Left tilted	802.11nHT40	62/5310	93.74%	1.067	0.139	0.055	0.15	13.37	9.50	0.410	0.061	22.3
Right cheek	802.11nHT40	62/5310	93.74%	1.067	0.113	0.045	0.04	13.37	9.50	0.410	0.049	22.3
Right tilted	802.11nHT40	62/5310	93.74%	1.067	0.065	0.027	-0.04	13.37	9.50	0.410	0.028	22.3
Head Evaluate Data of U-NII-2C												
Left cheek	802.11nHT40	102/5510	93.74%	1.067	0.554	0.182	0.12	14.21	10.50	0.426	0.252	22.3
Left tilted	802.11nHT40	102/5510	93.74%	1.067	0.122	0.047	0.10	14.21	10.50	0.426	0.055	22.3
Right cheek	802.11nHT40	102/5510	93.74%	1.067	0.110	0.043	0.15	14.21	10.50	0.426	0.050	22.3
Right tilted	802.11nHT40	102/5510	93.74%	1.067	0.063	0.022	0.09	14.21	10.50	0.426	0.029	22.3
Head Evaluate Data of U-NII-3												
Left cheek	802.11a	144/5720	97.00%	1.031	0.572	0.186	0.10	14.34	11.00	0.463	0.273	22.3
Left tilted	802.11a	144/5720	97.00%	1.031	0.133	0.049	-0.11	14.34	11.00	0.463	0.064	22.3
Right cheek	802.11a	144/5720	97.00%	1.031	0.160	0.059	0.00	14.34	11.00	0.463	0.076	22.3
Right tilted	802.11a	144/5720	97.00%	1.031	0.057	0.025	0.09	14.34	11.00	0.463	0.027	22.3
Body worn Evaluate data of U-NII-2A (Separate 5mm)												
Front side	802.11nHT40	62/5310	93.74%	1.067	0.329	0.119	0.03	13.39	10.00	0.458	0.161	22.4
Back side	802.11nHT40	62/5310	93.74%	1.067	0.484	0.170	0.09	13.39	10.00	0.458	0.237	22.4
Body worn Evaluate data of U-NII-2C (Separate 5mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	0.393	0.148	-0.14	15.21	12.00	0.478	0.200	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.562	0.201	0.16	15.21	12.00	0.478	0.286	22.4
Body worn Evaluate data of U-NII-3 (Separate 5mm)												
Front side	802.11a	144/5720	97.00%	1.031	0.344	0.132	-0.18	14.89	12.00	0.514	0.182	22.1



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Back side	802.11a	144/5720	97.00%	1.031	0.501	0.206	0.01	14.89	12.00	0.514	0.266	22.1
Hotspot Evaluate data of U-NII-1 (Separate 10mm)												
Front side	802.11nHT40	46/5230	93.74%	1.067	0.153	0.067	0.09	16.95	14.50	0.569	0.093	22.4
Back side	802.11nHT40	46/5230	93.74%	1.067	0.173	0.071	-0.15	16.95	14.50	0.569	0.105	22.4
Right side	802.11nHT40	46/5230	93.74%	1.067	0.325	0.132	-0.04	16.95	14.50	0.569	0.197	22.4
Hotspot Evaluate data of U-NII-3 (Separate 10mm)												
Front side	802.11a	144/5720	97.00%	1.031	0.186	0.074	-0.02	17.41	15.50	0.644	0.124	22.1
Back side	802.11a	144/5720	97.00%	1.031	0.246	0.091	0.09	17.41	15.50	0.644	0.163	22.1
Right side	802.11a	144/5720	97.00%	1.031	0.527	0.193	0.11	17.41	15.50	0.644	0.350	22.1
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Evaluate data of U-NII-2A (Separate 0mm)												
Front side	802.11nHT40	62/5310	93.74%	1.067	1.030	0.323	0.00	13.39	11.00	0.577	0.199	22.4
Back side	802.11nHT40	62/5310	93.74%	1.067	0.667	0.208	-0.19	13.39	11.00	0.577	0.128	22.4
Right side	802.11nHT40	62/5310	93.74%	1.067	1.980	0.528	0.10	13.39	11.00	0.577	0.325	22.4
Product specific 10gSAR Evaluate data of U-NII-2C (Separate 0mm)												
Front side	802.11nHT40	102/5510	93.74%	1.067	1.380	0.440	-0.09	15.21	13.00	0.601	0.282	22.4
Back side	802.11nHT40	102/5510	93.74%	1.067	0.835	0.284	0.04	15.21	13.00	0.601	0.182	22.4
Right side	802.11nHT40	102/5510	93.74%	1.067	3.520	0.932	-0.11	15.21	13.00	0.601	0.598	22.4
MIMO Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data of U-NII-2A												
Left cheek	802.11a	52/5260	97.00%	1.031	0.734	0.235	0.07	16.80	13.00	0.417	0.316	22.3
Left tilted	802.11a	52/5260	97.00%	1.031	0.432	0.160	0.10	16.80	13.00	0.417	0.186	22.3
Right cheek	802.11a	52/5260	97.00%	1.031	0.194	0.072	0.10	16.80	13.00	0.417	0.083	22.3
Right tilted	802.11a	52/5260	97.00%	1.031	0.205	0.075	-0.04	16.80	13.00	0.417	0.088	22.3
Left cheek	802.11a	56/5280	97.00%	1.031	0.721	0.265	-0.13	16.77	13.00	0.420	0.312	22.3
Head Evaluate Data of U-NII-2C												
Left cheek	802.11a	100/5500	97.00%	1.031	0.685	0.254	0.19	17.61	14.00	0.436	0.308	22.3
Left tilted	802.11a	100/5500	97.00%	1.031	0.586	0.194	0.02	17.61	14.00	0.436	0.263	22.3
Right cheek	802.11a	100/5500	97.00%	1.031	0.309	0.117	0.19	17.61	14.00	0.436	0.139	22.3
Right tilted	802.11a	100/5500	97.00%	1.031	0.367	0.136	-0.16	17.61	14.00	0.436	0.165	22.3
Left cheek	802.11a	120/5600	97.00%	1.031	0.556	0.197	0.10	17.30	14.00	0.467	0.268	22.3
Head Evaluate Data of U-NII-3												
Left cheek	802.11a	144/5720	97.00%	1.031	0.687	0.237	0.00	17.69	14.00	0.428	0.303	22.3
Left tilted	802.11a	144/5720	97.00%	1.031	0.624	0.206	-0.13	17.69	14.00	0.428	0.275	22.3
Right cheek	802.11a	144/5720	97.00%	1.031	0.351	0.131	-0.18	17.69	14.00	0.428	0.155	22.3
Right tilted	802.11a	144/5720	97.00%	1.031	0.418	0.152	-0.07	17.69	14.00	0.428	0.184	22.3
Left cheek	802.11a	157/5785	97.00%	1.031	0.625	0.213	-0.16	17.62	14.00	0.435	0.280	22.3
Left tilted	802.11a	157/5785	97.00%	1.031	0.658	0.223	0.17	17.62	14.00	0.435	0.295	22.3
Body worn Evaluate data of U-NII-2A (Separate 5mm)												
Front side	802.11a	52/5260	97.00%	1.031	0.362	0.137	-0.10	16.79	13.50	0.469	0.175	22.4
Back side	802.11a	52/5260	97.00%	1.031	0.619	0.194	-0.04	16.79	13.50	0.469	0.299	22.4
Body worn Evaluate data of U-NII-2C (Separate 5mm)												
Front side	802.11a	108/5540	97.00%	1.031	0.385	0.163	0.06	18.75	15.50	0.473	0.188	22.4
Back side	802.11a	108/5540	97.00%	1.031	0.722	0.249	-0.02	18.75	15.50	0.473	0.352	22.3
Back side	802.11a	100/5500	97.00%	1.031	0.685	0.224	0.03	18.59	15.50	0.491	0.346	22.4
Body worn Evaluate data of U-NII-3 (Separate 5mm)												
Front side	802.11a	153/5765	97.00%	1.031	0.334	0.121	0.16	18.20	15.00	0.479	0.165	22.1
Back side	802.11a	153/5765	97.00%	1.031	0.521	0.191	-0.10	18.20	15.00	0.479	0.257	22.1
Hotspot Evaluate data of U-NII-1 (Separate 10mm)												
Front side	802.11a	48/5240	97.00%	1.031	0.307	0.130	0.18	20.16	18.00	0.608	0.192	22.4
Back side	802.11a	48/5240	97.00%	1.031	0.584	0.216	-0.12	20.16	18.00	0.608	0.366	22.4
Right side	802.11a	48/5240	97.00%	1.031	0.611	0.251	-0.12	20.16	18.00	0.608	0.383	22.4
Top side	802.11a	48/5240	97.00%	1.031	0.343	0.142	-0.05	20.16	18.00	0.608	0.215	22.4
Hotspot Evaluate data of U-NII-3 (Separate 10mm)												



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Front side	802.11a	144/5720	97.00%	1.031	0.274	0.111	0.17	20.71	18.50	0.601	0.170	22.1
Back side	802.11a	144/5720	97.00%	1.031	0.440	0.180	0.03	20.71	18.50	0.601	0.273	22.1
Right side	802.11a	144/5720	97.00%	1.031	0.684	0.262	-0.02	20.71	18.50	0.601	0.424	22.3
Top side	802.11a	144/5720	97.00%	1.031	0.492	0.170	0.02	20.71	18.50	0.601	0.305	22.1
Right side	802.11a	161/5805	97.00%	1.031	0.655	0.245	-0.07	20.67	18.50	0.607	0.410	22.3
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Evaluate data of U-NII-2A (Separate 0mm)												
Front side	802.11a	52/5260	97.00%	1.031	1.190	0.382	-0.18	16.79	14.50	0.591	0.233	22.4
Back side	802.11a	52/5260	97.00%	1.031	0.903	0.262	-0.15	16.79	14.50	0.591	0.160	22.4
Right side	802.11a	52/5260	97.00%	1.031	3.260	0.855	0.00	16.79	14.50	0.591	0.521	22.4
Top side	802.11a	52/5260	97.00%	1.031	1.760	0.566	0.14	16.79	14.50	0.591	0.345	22.4
Product specific 10gSAR Evaluate data of U-NII-2C (Separate 0mm)												
Front side	802.11a	108/5540	97.00%	1.031	1.610	0.501	0.17	18.75	16.50	0.596	0.308	22.4
Back side	802.11a	108/5540	97.00%	1.031	1.150	0.402	-0.04	18.75	16.50	0.596	0.247	22.4
Right side	802.11a	108/5540	97.00%	1.031	5.660	1.380	-0.02	18.75	16.50	0.596	0.847	22.3
Top side	802.11a	108/5540	97.00%	1.031	3.190	0.960	-0.19	18.75	16.50	0.596	0.590	22.4



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9.2.33 SAR Result of WIFI 6E

Wi-Fi 6E SAR Test Record												
Ant17 (chain0) Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-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-5												
Left cheek	802.11ax 160M	79/6345	87.78%	1.139	0.029	0.010	-0.04	8.46	9.00	1.132	0.037	22.4
Left tilted	802.11ax 160M	79/6345	87.78%	1.139	0.039	0.014	-0.11	8.46	9.00	1.132	0.050	22.4
Right cheek	802.11ax 160M	79/6345	87.78%	1.139	0.020	0.008	-0.07	8.46	9.00	1.132	0.026	22.4
Right tilted	802.11ax 160M	79/6345	87.78%	1.139	0.028	0.010	0.15	8.46	9.00	1.132	0.036	22.4
Left tilted	802.11ax 160M	47/6185	87.78%	1.139	0.039	0.015	-0.03	7.98	9.00	1.265	0.056	22.4
Head Test Data of U-NII-6												
Left cheek	802.11ax 40M	107/6485	93.25%	1.072	0.027	0.009	0.08	8.90	9.50	1.148	0.033	22.4
Left tilted	802.11ax 40M	107/6485	93.25%	1.072	0.035	0.011	0.19	8.90	9.50	1.148	0.043	22.4
Right cheek	802.11ax 40M	107/6485	93.25%	1.072	0.019	0.007	0.07	8.90	9.50	1.148	0.023	22.4
Right tilted	802.11ax 40M	107/6485	93.25%	1.072	0.025	0.009	0.01	8.90	9.50	1.148	0.031	22.4
Head Test Data of U-NII-7												
Left cheek	802.11ax 160M	175/6825	87.78%	1.139	0.015	0.006	-0.03	8.51	9.50	1.256	0.021	22.4
Left tilted	802.11ax 160M	175/6825	87.78%	1.139	0.022	0.007	-0.02	8.51	9.50	1.256	0.031	22.4
Right cheek	802.11ax 160M	175/6825	87.78%	1.139	0.010	0.004	0.05	8.51	9.50	1.256	0.014	22.4
Right tilted	802.11ax 160M	175/6825	87.78%	1.139	0.014	0.005	0.01	8.51	9.50	1.256	0.020	22.4
Head Test Data of U-NII-8												
Left cheek	802.11ax 40M	187/6885	93.25%	1.072	0.016	0.005	0.13	8.60	10.00	1.380	0.024	22.4
Left tilted	802.11ax 40M	187/6885	93.25%	1.072	0.024	0.008	0.17	8.60	10.00	1.380	0.036	22.4
Right cheek	802.11ax 40M	187/6885	93.25%	1.072	0.011	0.004	0.08	8.60	10.00	1.380	0.016	22.4
Right tilted	802.11ax 40M	187/6885	93.25%	1.072	0.015	0.006	0.16	8.60	10.00	1.380	0.022	22.4
Body worn Test data of U-NII-5 (Separate 5mm)												
Front side	802.11ax 160M	79/6345	87.78%	1.139	0.018	0.006	0.05	8.46	9.00	1.132	0.023	22.4
Back side	802.11ax 160M	79/6345	87.78%	1.139	0.027	0.009	0.06	8.46	9.00	1.132	0.035	22.4
Body worn Test data of U-NII-6 (Separate 5mm)												
Front side	802.11ax 40M	107/6485	93.25%	1.072	0.011	0.004	-0.11	8.90	9.50	1.148	0.014	22.4
Back side	802.11ax 40M	107/6485	93.25%	1.072	0.023	0.007	-0.15	8.90	9.50	1.148	0.028	22.4
Body worn Test data of U-NII-7 (Separate 5mm)												
Front side	802.11ax 160M	175/6825	87.78%	1.139	0.015	0.004	-0.11	8.51	9.50	1.256	0.021	22.4
Back side	802.11ax 160M	175/6825	87.78%	1.139	0.025	0.008	-0.06	8.51	9.50	1.256	0.036	22.4
Back side	802.11ax 160M	143/6665	87.78%	1.139	0.021	0.007	0.05	7.95	9.50	1.429	0.034	22.4
Body worn Test data of U-NII-8 (Separate 5mm)												
Front side	802.11ax 40M	187/6885	93.25%	1.072	0.011	0.002	-0.06	8.60	10.00	1.380	0.016	22.4
Back side	802.11ax 40M	187/6885	93.25%	1.072	0.023	0.008	0.19	8.60	10.00	1.380	0.034	22.4
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-5(Separate 0mm)												
Front side	802.11ax 160M	79/6345	87.78%	1.139	0.069	0.012	-0.12	8.46	9.00	1.132	0.015	22.4
Back side	802.11ax 160M	79/6345	87.78%	1.139	0.037	0.006	-0.05	8.46	9.00	1.132	0.008	22.4
Right side	802.11ax 160M	79/6345	87.78%	1.139	0.068	0.012	-0.03	8.46	9.00	1.132	0.015	22.4
Top side	802.11ax 160M	79/6345	87.78%	1.139	0.311	0.057	0.04	8.46	9.00	1.132	0.074	22.4
Product specific 10gSAR Test data of U-NII-6 (Separate 0mm)												
Front side	802.11ax 40M	107/6485	93.25%	1.072	0.198	0.034	-0.10	8.90	9.50	1.148	0.042	22.4
Back side	802.11ax 40M	107/6485	93.25%	1.072	0.089	0.015	0.16	8.90	9.50	1.148	0.018	22.4
Right side	802.11ax 40M	107/6485	93.25%	1.072	0.163	0.028	-0.19	8.90	9.50	1.148	0.034	22.4
Top side	802.11ax 40M	107/6485	93.25%	1.072	0.378	0.066	-0.02	8.90	9.50	1.148	0.081	22.4
Product specific 10gSAR Test data of U-NII-7 (Separate 0mm)												
Front side	802.11ax 160M	175/6825	87.78%	1.139	0.104	0.018	-0.06	8.51	9.50	1.256	0.026	22.4
Back side	802.11ax 160M	175/6825	87.78%	1.139	0.086	0.015	-0.06	8.51	9.50	1.256	0.021	22.4
Right side	802.11ax 160M	175/6825	87.78%	1.139	0.222	0.038	0.16	8.51	9.50	1.256	0.054	22.4
Top side	802.11ax 160M	175/6825	87.78%	1.139	0.357	0.061	0.07	8.51	9.50	1.256	0.087	22.4
Product specific 10gSAR Test data of U-NII-8 (Separate 0mm)												
Front side	802.11ax 40M	187/6885	93.25%	1.072	0.067	0.012	-0.04	9.01	10.00	1.256	0.016	22.4
Back side	802.11ax 40M	187/6885	93.25%	1.072	0.063	0.011	-0.19	9.01	10.00	1.256	0.015	22.4



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Right side	802.11ax 40M	187/6885	93.25%	1.072	0.069	0.012	-0.04	9.01	10.00	1.256	0.016	22.4
Top side	802.11ax 40M	187/6885	93.25%	1.072	0.412	0.070	0.10	9.01	10.00	1.256	0.094	22.4
Top side	802.11ax 40M	227/7085	93.25%	1.072	0.389	0.069	0.01	8.60	10.00	1.380	0.102	22.4
Ant18 (chain1) Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-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-5												
Left cheek	802.11ax 160M	47/6185	87.78%	1.139	0.037	0.012	0.17	8.07	9.00	1.239	0.052	22.4
Left tilted	802.11ax 160M	47/6185	87.78%	1.139	0.014	0.005	-0.06	8.07	9.00	1.239	0.020	22.4
Right cheek	802.11ax 160M	47/6185	87.78%	1.139	0.009	0.003	0.13	8.07	9.00	1.239	0.013	22.4
Right tilted	802.11ax 160M	47/6185	87.78%	1.139	0.006	0.002	0.00	8.07	9.00	1.239	0.008	22.4
Head Test Data of U-NII-6												
Left cheek	802.11ax 40M	107/6485	93.25%	1.072	0.043	0.013	0.12	8.86	9.50	1.159	0.053	22.4
Left tilted	802.11ax 40M	107/6485	93.25%	1.072	0.015	0.005	-0.12	8.86	9.50	1.159	0.019	22.4
Right cheek	802.11ax 40M	107/6485	93.25%	1.072	0.011	0.004	-0.04	8.86	9.50	1.159	0.014	22.4
Right tilted	802.11ax 40M	107/6485	93.25%	1.072	0.006	0.002	-0.14	8.86	9.50	1.159	0.007	22.4
Left cheek	802.11ax 40M	99/6445	93.25%	1.072	0.031	0.008	0.04	8.50	9.50	1.259	0.042	22.4
Head Test Data of U-NII-7												
Left cheek	802.11ax 40M	147/6685	93.25%	1.072	0.034	0.010	0.01	8.87	9.50	1.156	0.042	22.4
Left tilted	802.11ax 40M	147/6685	93.25%	1.072	0.012	0.004	0.05	8.87	9.50	1.156	0.015	22.4
Right cheek	802.11ax 40M	147/6685	93.25%	1.072	0.011	0.004	0.11	8.87	9.50	1.156	0.014	22.4
Right tilted	802.11ax 40M	147/6685	93.25%	1.072	0.006	0.002	-0.16	8.87	9.50	1.156	0.007	22.4
Head Test Data of U-NII-8												
Left cheek	802.11ax 40M	227/7085	93.25%	1.072	0.022	0.006	0.03	8.55	9.50	1.245	0.029	22.4
Left tilted	802.11ax 40M	227/7085	93.25%	1.072	0.010	0.003	-0.16	8.55	9.50	1.245	0.013	22.4
Right cheek	802.11ax 40M	227/7085	93.25%	1.072	0.006	0.002	-0.10	8.55	9.50	1.245	0.008	22.4
Right tilted	802.11ax 40M	227/7085	93.25%	1.072	0.002	0.001	0.08	8.55	9.50	1.245	0.003	22.4
Body worn Test data of U-NII-5 (Separate 5mm)												
Front side	802.11ax 160M	47/6185	87.78%	1.139	0.014	0.003	-0.18	8.07	9.00	1.239	0.020	22.4
Back side	802.11ax 160M	47/6185	87.78%	1.139	0.030	0.011	0.02	8.07	9.00	1.239	0.042	22.4
Body worn Test data of U-NII-6 (Separate 5mm)												
Front side	802.11ax 40M	107/6485	93.25%	1.072	0.015	0.005	-0.12	8.86	9.50	1.159	0.019	22.4
Back side	802.11ax 40M	107/6485	93.25%	1.072	0.032	0.010	-0.18	8.86	9.50	1.159	0.040	22.4
Body worn Test data of U-NII-7 (Separate 5mm)												
Front side	802.11ax 40M	147/6685	93.25%	1.072	0.013	0.005	-0.09	8.87	9.50	1.156	0.016	22.4
Back side	802.11ax 40M	147/6685	93.25%	1.072	0.030	0.010	-0.14	8.87	9.50	1.156	0.037	22.4
Body worn Test data of U-NII-8 (Separate 5mm)												
Front side	802.11ax 40M	227/7085	93.25%	1.072	0.030	0.011	-0.03	8.55	9.50	1.245	0.040	22.4
Back side	802.11ax 40M	227/7085	93.25%	1.072	0.029	0.010	-0.02	8.55	9.50	1.245	0.039	22.4
Front side	802.11ax 40M	187/6885	93.25%	1.072	0.025	0.008	-0.10	7.79	9.00	1.321	0.035	22.4
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-5 (Separate 0mm)												
Front side	802.11ax 160M	47/6185	87.78%	1.139	0.116	0.020	0.00	8.07	9.00	1.239	0.028	22.4
Back side	802.11ax 160M	47/6185	87.78%	1.139	0.058	0.010	0.03	8.07	9.00	1.239	0.014	22.4
Right side	802.11ax 160M	47/6185	87.78%	1.139	0.424	0.073	0.15	8.07	9.00	1.239	0.103	22.4
Product specific 10gSAR Test data of U-NII-6 (Separate 0mm)												
Front side	802.11ax 40M	107/6485	85.33%	1.172	0.137	0.024	0.03	8.86	9.50	1.159	0.033	22.4
Back side	802.11ax 40M	107/6485	85.33%	1.172	0.063	0.011	0.17	8.86	9.50	1.159	0.015	22.4
Right side	802.11ax 40M	107/6485	85.33%	1.172	0.450	0.078	0.14	8.86	9.50	1.159	0.106	22.4
Right side	802.11ax 40M	99/6445	85.33%	1.172	0.421	0.074	0.04	8.50	9.50	1.259	0.109	22.4
Product specific 10gSAR Test data of U-NII-7 (Separate 0mm)												
Front side	802.11ax 40M	147/6685	93.25%	1.072	0.104	0.019	0.04	8.87	9.50	1.156	0.024	22.4
Back side	802.11ax 40M	147/6685	93.25%	1.072	0.069	0.012	-0.13	8.87	9.50	1.156	0.015	22.4
Right side	802.11ax 40M	147/6685	93.25%	1.072	0.307	0.054	0.02	8.87	9.50	1.156	0.067	22.4
Product specific 10gSAR Test data of U-NII-8 (Separate 0mm)												
Front side	802.11ax 40M	227/7085	93.25%	1.072	0.060	0.010	-0.10	8.55	9.50	1.245	0.013	22.4
Back side	802.11ax 40M	227/7085	93.25%	1.072	0.030	0.005	-0.17	8.55	9.50	1.245	0.007	22.4
Right side	802.11ax 40M	227/7085	93.25%	1.072	0.143	0.035	-0.04	8.55	9.50	1.245	0.047	22.4
MIMO Test Record												
Test position	Test mode	Test	Duty	Duty	SAR	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid



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		ch./Freq.	Cycle	Cycle Scaled factor	(W/kg) 1-g	(W/kg) 10-g	drift (dB)	Power(dBm)	Limit(dBm)	factor	SAR 1-g (W/kg)	Temp.(°C)
Head Test Data of U-NII-5												
Left cheek	802.11ax 160M	79/6345	87.78%	1.139	0.054	0.017	-0.04	11.08	11.50	1.102	0.068	22.4
Left tilted	802.11ax 160M	79/6345	87.78%	1.139	0.070	0.019	-0.07	11.08	11.50	1.102	0.088	22.1
Right cheek	802.11ax 160M	79/6345	87.78%	1.139	0.032	0.012	-0.08	11.08	11.50	1.102	0.040	22.4
Right tilted	802.11ax 160M	79/6345	87.78%	1.139	0.042	0.016	0.07	11.08	11.50	1.102	0.053	22.4
Left tilted	802.11ax 160M	47/6185	87.78%	1.139	0.065	0.018	-0.07	11.01	11.50	1.119	0.083	22.1
Head Test Data of U-NII-6												
Left cheek	802.11ax 40M	107/6485	93.25%	1.072	0.046	0.015	-0.15	11.35	12.00	1.161	0.057	22.4
Left tilted	802.11ax 40M	107/6485	93.25%	1.072	0.055	0.019	0.19	11.35	12.00	1.161	0.069	22.4
Right cheek	802.11ax 40M	107/6485	93.25%	1.072	0.031	0.011	-0.08	11.35	12.00	1.161	0.039	22.4
Right tilted	802.11ax 40M	107/6485	93.25%	1.072	0.037	0.014	-0.14	11.35	12.00	1.161	0.046	22.4
Head Test Data of U-NII-7												
Left cheek	802.11ax 160M	175/6825	87.78%	1.139	0.037	0.012	0.04	11.24	12.00	1.191	0.050	22.4
Left tilted	802.11ax 160M	175/6825	87.78%	1.139	0.043	0.015	-0.19	11.24	12.00	1.191	0.058	22.4
Right cheek	802.11ax 160M	175/6825	87.78%	1.139	0.019	0.007	-0.10	11.24	12.00	1.191	0.026	22.4
Right tilted	802.11ax 160M	175/6825	87.78%	1.139	0.027	0.010	0.17	11.24	12.00	1.191	0.037	22.4
Head Test Data of U-NII-8												
Left cheek	802.11ax 40M	187/6885	93.25%	1.072	0.026	0.009	0.11	11.66	12.00	1.081	0.030	22.4
Left tilted	802.11ax 40M	187/6885	93.25%	1.072	0.035	0.012	0.04	11.66	12.00	1.081	0.041	22.4
Right cheek	802.11ax 40M	187/6885	93.25%	1.072	0.016	0.006	-0.04	11.66	12.00	1.081	0.019	22.4
Right tilted	802.11ax 40M	187/6885	93.25%	1.072	0.022	0.009	-0.03	11.66	12.00	1.081	0.026	22.4
Body worn Test data of U-NII-5 (Separate 5mm)												
Front side	802.11ax 160M	79/6345	87.78%	1.139	0.021	0.023	0.09	11.08	11.50	1.102	0.026	22.4
Back side	802.11ax 160M	79/6345	87.78%	1.139	0.035	0.008	0.02	11.08	11.50	1.102	0.044	22.1
Back side	802.11ax 160M	47/6185	87.78%	1.139	0.028	0.007	-0.02	11.01	11.50	1.119	0.036	22.1
Body worn Test data of U-NII-6 (Separate 5mm)												
Front side	802.11ax 40M	107/6485	93.25%	1.072	0.015	0.005	0.03	11.35	12.00	1.161	0.019	22.4
Back side	802.11ax 40M	107/6485	93.25%	1.072	0.034	0.011	0.10	11.35	12.00	1.161	0.042	22.4
Body worn Test data of U-NII-7 (Separate 5mm)												
Front side	802.11ax 160M	175/6825	87.78%	1.139	0.013	0.005	-0.10	11.24	12.00	1.191	0.018	22.4
Back side	802.11ax 160M	175/6825	87.78%	1.139	0.030	0.008	-0.03	11.24	12.00	1.191	0.041	22.4
Body worn Test data of U-NII-8 (Separate 5mm)												
Front side	802.11ax 40M	187/6885	93.25%	1.072	0.011	0.004	0.15	11.66	12.00	1.081	0.013	22.4
Back side	802.11ax 40M	187/6885	93.25%	1.072	0.024	0.008	0.14	11.66	12.00	1.081	0.028	22.4
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-5 (Separate 0mm)												
Front side	802.11ax 160M	79/6345	87.78%	1.139	0.164	0.043	0.02	11.08	11.50	1.102	0.054	22.4
Back side	802.11ax 160M	79/6345	87.78%	1.139	0.091	0.031	0.07	11.08	11.50	1.102	0.039	22.4
Right side	802.11ax 160M	79/6345	87.78%	1.139	0.390	0.083	-0.14	11.08	11.50	1.102	0.104	22.4
Top side	802.11ax 160M	79/6345	87.78%	1.139	0.202	0.064	0.18	11.08	11.50	1.102	0.080	22.4
Product specific 10gSAR Test data of U-NII-6 (Separate 0mm)												
Front side	802.11ax 40M	107/6485	93.25%	1.072	0.139	0.035	0.08	11.35	12.00	1.161	0.044	22.4
Back side	802.11ax 40M	107/6485	93.25%	1.072	0.080	0.027	-0.03	11.35	12.00	1.161	0.034	22.4
Right side	802.11ax 40M	107/6485	93.25%	1.072	0.439	0.085	-0.17	11.35	12.00	1.161	0.106	22.4
Top side	802.11ax 40M	107/6485	93.25%	1.072	0.170	0.056	-0.15	11.35	12.00	1.161	0.070	22.4
Product specific 10gSAR Test data of U-NII-7 (Separate 0mm)												
Front side	802.11ax 160M	175/6825	87.78%	1.139	0.140	0.036	-0.13	11.24	12.00	1.191	0.049	22.4
Back side	802.11ax 160M	175/6825	87.78%	1.139	0.084	0.026	-0.07	11.24	12.00	1.191	0.035	22.4
Right side	802.11ax 160M	175/6825	87.78%	1.139	0.445	0.075	0.16	11.24	12.00	1.191	0.102	22.4
Top side	802.11ax 160M	175/6825	87.78%	1.139	0.461	0.082	0.01	11.24	12.00	1.191	0.111	22.1
Top side	802.11ax 160M	143/6665	87.78%	1.139	0.385	0.075	-0.15	10.92	12.00	1.284	0.110	22.1
Product specific 10gSAR Test data of U-NII-8 (Separate 0mm)												
Front side	802.11ax 40M	187/6885	93.25%	1.072	0.087	0.023	0.02	11.66	12.00	1.081	0.027	22.4
Back side	802.11ax 40M	187/6885	93.25%	1.072	0.053	0.017	0.05	11.66	12.00	1.081	0.020	22.4
Right side	802.11ax 40M	187/6885	93.25%	1.072	0.208	0.050	0.02	11.66	12.00	1.081	0.058	22.4
Top side	802.11ax 40M	187/6885	93.25%	1.072	0.364	0.067	0.01	11.66	12.00	1.081	0.078	22.4



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9.2.34 SAR Result of BT

Bluetooth SAR Test Record												
Ant16 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	DH5	78/2480	77.20%	1.295	0.246	0.124	0.01	15.38	16.50	1.294	0.412	22.4
Left tilted	DH5	78/2480	77.20%	1.295	0.328	0.146	0.02	15.38	16.50	1.294	0.550	22.4
Right cheek	DH5	78/2480	77.20%	1.295	0.173	0.087	0.09	15.38	16.50	1.294	0.290	22.4
Right tilted	DH5	78/2480	77.20%	1.295	0.238	0.112	-0.05	15.38	16.50	1.294	0.399	22.4
Body worn Test data (Separate 5mm)												
Front side	DH5	78/2480	77.20%	1.295	0.135	0.051	-0.03	15.38	16.50	1.294	0.226	22.4
Back side	DH5	78/2480	77.20%	1.295	0.212	0.099	0.09	15.38	16.50	1.294	0.355	22.4
Hotspot Test data (Separate 10mm)												
Front side	DH5	78/2480	77.20%	1.295	0.070	0.035	-0.14	15.38	16.50	1.294	0.117	22.4
Back side	DH5	78/2480	77.20%	1.295	0.101	0.051	-0.06	15.38	16.50	1.294	0.169	22.4
Top side	DH5	78/2480	77.20%	1.295	0.099	0.046	-0.01	15.38	16.50	1.294	0.166	22.4
Ant16 Evaluate Record												
Evaluate position	Evaluate mode	Evaluate ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Evaluate Data												
Left cheek	DH5	78/2480	77.20%	1.295	0.246	0.124	0.01	15.38	13.50	0.649	0.207	22.4
Left tilted	DH5	78/2480	77.20%	1.295	0.328	0.146	0.02	15.38	13.50	0.649	0.276	22.4
Right cheek	DH5	78/2480	77.20%	1.295	0.173	0.087	0.09	15.38	13.50	0.649	0.145	22.4
Right tilted	DH5	78/2480	77.20%	1.295	0.238	0.112	-0.05	15.38	13.50	0.649	0.200	22.4
Body worn Evaluate data (Separate 5mm)												
Front side	DH5	78/2480	77.20%	1.295	0.135	0.051	-0.03	15.38	13.50	0.649	0.113	22.4
Back side	DH5	78/2480	77.20%	1.295	0.212	0.099	0.09	15.38	13.50	0.649	0.178	22.4
Hotspot Evaluate data (Separate 10mm)												
Front side	DH5	78/2480	77.20%	1.295	0.070	0.035	-0.14	15.38	13.50	0.649	0.059	22.4
Back side	DH5	78/2480	77.20%	1.295	0.101	0.051	-0.06	15.38	13.50	0.649	0.085	22.4
Top side	DH5	78/2480	77.20%	1.295	0.099	0.046	-0.01	15.38	13.50	0.649	0.083	22.4

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9.3 Measurement of PD Data

9.3.1 PD Result of Wifi 6E

Wi-Fi 6E PD Test Record MIMO															
Test position	Test mode	Test ch./Freq.	Distance (mm)	Grid Step (λ)	Duty Cycle	Duty Cycle Scaled factor	iPDn	iPD ratio	Measured PD 4cm^2 (W/m^2)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaling Factor for measurement uncertainty	Tune up Scaled factor	Scaled PD 4cm^2 (W/m^2)
Power Density Test DATA															
Front side	802.11ax 40M	107/6485	2	0.0625	93.25%	1.072	/	/	2.04	0.06	11.89	12.00	1.549	1.026	3.475
Back side	802.11ax 40M	107/6485	2	0.0625	93.25%	1.072	/	/	1.75	0.07	11.89	12.00	1.549	1.026	2.981
Left side	802.11ax 40M	107/6485	2	0.0625	93.25%	1.072	/	/	0.22	-0.02	11.89	12.00	1.549	1.026	0.375
Right side	802.11ax 40M	107/6485	2	0.0625	93.25%	1.072	/	/	3.06	0.04	11.89	12.00	1.549	1.026	5.213
Top side	802.11ax 40M	107/6485	2	0.0625	93.25%	1.072	9.29	0.99	3.30	0.10	11.89	12.00	1.549	1.026	5.621
Top side	802.11ax 40M	107/6485	9.3	0.0625	93.25%	1.072	7.39		0.105	0.09	11.89	12.00	1.549	1.026	0.179
Bottom side	802.11ax 40M	107/6485	2	0.0625	93.25%	1.072	/	/	0.15	-0.06	11.89	12.00	1.549	1.026	0.256
Top side	802.11ax 160M	79/6345	2	0.0625	87.78%	1.139	/	/	3.55	0.04	11.08	11.50	1.549	1.102	6.901
Top side	802.11ax 160M	47/6185	2	0.0625	87.78%	1.139	/	/	3.21	0.02	11.01	11.50	1.549	1.119	6.341
Top side	802.11ax 160M	175/6825	2	0.0625	87.78%	1.139	/	/	3.12	-0.13	11.24	12.00	1.549	1.191	6.559
Top side	802.11ax 160M	143/6665	2	0.0625	87.78%	1.139	/	/	2.75	0.03	10.91	12.00	1.549	1.285	6.237
Top side	802.11ax 40M	187/6885	2	0.0625	93.25%	1.072	/	/	3.52	0.03	11.67	12.00	1.549	1.079	6.308



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9.4 Multiple Transmitter Evaluation

9.4.1 Simultaneous SAR test evaluation

No.	Simultaneous Tx Combination	Head	Body	Hotspot	Limbs
1	WWAN + WLAN 2.4G Ant16/MIMO	Yes	Yes	Yes	Yes
2	WWAN + WLAN 5G&6E Ant17/MIMO	Yes	Yes	Yes	Yes
3	WWAN + BT Ant16	Yes	Yes	Yes	Yes
4	WWAN + WLAN 2.4G Ant8 + BT Ant16	Yes	Yes	Yes	Yes
5	WWAN+WLAN 2.4G Ant16 + WLAN 5G&6E Ant18	Yes	Yes	Yes	Yes
6	WWAN + WLAN 5G&6E Ant17/MIMO+ BT Ant16	Yes	Yes	Yes	Yes
7	WLAN 2.4z Ant16 + WLAN 5G&6E Ant18	Yes	Yes	Yes	Yes
8	WLAN 2.4G Ant8 + BT Ant16	Yes	Yes	Yes	Yes
9	WLAN 5G&6E Ant17/MIMO+ BT Ant16	Yes	Yes	Yes	Yes
10	WWAN + WLAN 2.4G Ant16/MIMO+NFC	No	No	No	Yes
11	WWAN + WLAN 5G&6E Ant17/MIMO+NFC	No	No	No	Yes
12	WWAN + BT Ant16+NFC	No	No	No	Yes
13	WWAN + WLAN 2.4G Ant8 + BT Ant16+NFC	No	No	No	Yes
14	WWAN+WLAN 2.4G Ant16 + WLAN 5G&6E Ant18+NFC	No	No	No	Yes
15	WWAN + WLAN 5G&6E Ant17/MIMO+ BT Ant16+NFC	No	No	No	Yes
16	WLAN 2.4G Ant16 + WLAN 5G&6E Ant18+NFC	No	No	No	Yes
17	WLAN 2.4G Ant8 + BT Ant16+NFC	No	No	No	Yes
18	WLAN 5G&6E Ant17/MIMO+ BT Ant16+NFC	No	No	No	Yes

Note:

- 1) The device does not support DTM function.
- 2) NFC is different from the working scenario of WWAN/WIFI(Head/Body-worn/Hotspot) and does not participate in the simultaneous transmission.
- 3) The NFC test data can be referred to NFC SAR test report (Report NO.: SUCR250500043701).
- 4) For WiFi 5G,U-NII-2A and U-NII-2C band does not support hotspot function.



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9.4.2 Simultaneous Transmission SAR Summation Scenario

Head:

Test Position	WiFi 2.4G Ant16(chain0)	WiFi 2.4G Ant8(chain1)	WiFi 2.4G MIMO	WiFi 5G&6E Ant17(chain0)	WiFi 5G&6E Ant18(chain1)	WiFi 5G&6E MIMO	BT	Summed SAR			
	1	2	3	4	5	6	7	1+5	2+7	4+7	6+7
Left cheek	0.552	0.955	0.977	0.603	0.770	0.890	0.412	1.322	1.367	1.015	1.302
Left tilted	0.690	0.306	0.701	0.692	0.179	0.831	0.550	0.869	0.856	1.242	1.381
Right cheek	0.513	0.150	0.382	0.360	0.215	0.436	0.290	0.728	0.440	0.650	0.726
Right tilted	0.572	0.106	0.494	0.438	0.081	0.520	0.399	0.653	0.505	0.837	0.919

Body:

Test Position	WiFi 2.4G Ant16(chain0)	WiFi 2.4G Ant8(chain1)	WiFi 2.4G MIMO	WiFi 5G&6E Ant17(chain0)	WiFi 5G&6E Ant18(chain1)	WiFi 5G&6E MIMO	BT	Summed SAR			
	1	2	3	4	5	6	7	1+5	2+7	4+7	6+7
Front side	0.366	0.457	0.372	0.334	0.503	0.472	0.226	0.869	0.683	0.560	0.698
Back side	0.536	0.733	0.688	0.702	0.719	0.885	0.355	1.255	1.088	1.057	1.240

Hotspot:

Test Position	WiFi 2.4G Ant16(chain0)	WiFi 2.4G Ant8(chain1)	WiFi 2.4G MIMO	WiFi 5G&6E Ant17(chain0)	WiFi 5G&6E Ant18(chain1)	WiFi 5G&6E MIMO	BT	Summed SAR			
	1	2	3	4	5	6	7	1+5	2+7	4+7	6+7
Front side	0.322	0.251	0.256	0.236	0.246	0.384	0.117	0.568	0.368	0.353	0.501
Back side	0.480	0.407	0.476	0.519	0.326	0.730	0.169	0.806	0.576	0.688	0.899
Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Right side	0.000	0.525	0.460	0.437	0.698	0.846	0.000	0.698	0.525	0.437	0.846
Top side	0.412	0.124	0.284	0.525	0.000	0.609	0.166	0.412	0.290	0.691	0.775
Bottom side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Extremity:

Test Position	WiFi 5G&6E Ant17(chain0)	WiFi 5G&6E Ant18(chain1)	WiFi 5G&6E MIMO	NFC	Summed SAR		
	1	2	3	4	1+4	2+4	3+4
Front side	0.458	0.563	0.614	0.000	0.458	0.563	0.614
Back side	0.349	0.363	0.493	0.017	0.366	0.380	0.510
Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Right side	0.755	1.193	1.691	0.000	0.755	1.193	1.691
Top side	1.032	0.000	1.176	0.000	1.032	0.000	1.176
Bottom side	0.000	0.000	0.000	0.000	0.000	0.000	0.000



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10 Sub6 antenna groups

The 2nd generation of Smart Transmit (GEN2) operates based on pre-defined sub6 antenna groups (AG) and/or mmW module groups (MG). Sub6 Tx antennas in UE are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

This device supports two sub6 AG: AG0 and AG1, with AG0 having 8 WWAN antennas (1, 2, 4, 5, 6, 7, 8, 9) and AG1 having 2 WWAN antennas (0, 3), and Wi-Fi/BT is also included in Smart Transmit. Therefore, there's no need to calculate the co - transmission scenarios of Wi-Fi/BT+WWAN, as this aspect has already been taken into account in Part 2. The conditions are verified through the following criteria:

1. Sum of SAR: Demonstrate that the sum of $max.norm.exp.AGi$ ($i = 1, 2, \dots, m$ for m antenna groups) and the reported normalized SAR values from radios outside Smart Transmit should be less than the regulatory limit for each supported DSI.
2. If the Sum of SAR is NOT met, then for a given antenna grouping scheme plus external radios/antennas (ERs) (referred to as 'configuration'), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet Combine SAR for each exposure position under each supported DSI.

SPLSR General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, or $SPLSR \leq 0.10$ for 10g SAR simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WLAN antenna 3/4/5/6 was summed algebraically with the BT Antenna 6 separately for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

