

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

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

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Right cheek	100	OFDM QPSK 1_271	650000/3750	100%	0.808	0.330	0.01	22.93	24.00	1.279	1.034	22.3
Right cheek	100	OFDM QPSK 1_271	652400/3786	100%	0.566	0.242	0.12	23.17	24.00	1.211	0.685	22.4
Right cheek	100	OFDM QPSK 1_137	657200/3858	100%	0.521	0.218	0.00	23.26	24.00	1.186	0.618	22.4
Right cheek	100	OFDM QPSK 1_137	659600/3894	100%	0.528	0.218	-0.15	23.16	24.00	1.213	0.641	22.4
Right cheek	100	OFDM QPSK 1_1	662000/3930	100%	0.566	0.228	-0.11	23.16	24.00	1.213	0.687	22.4
Head Test Data (50%RB) DS14												
Left cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.658	0.309	0.08	23.28	24.00	1.180	0.777	22.4
Left tilted	100	OFDM QPSK 135_69	652400/3786	100%	0.479	0.209	0.07	23.28	24.00	1.180	0.565	22.4
Right cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.772	0.330	-0.03	23.28	24.00	1.180	0.911	22.4
Right tilted	100	OFDM QPSK 135_69	652400/3786	100%	0.215	0.105	0.15	23.28	24.00	1.180	0.254	22.4
Left cheek	100	OFDM QPSK 135_69	650000/3750	100%	0.859	0.351	0.16	23.27	24.00	1.183	1.016	22.3
Left cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.601	0.258	0.00	23.16	24.00	1.213	0.729	22.4
Left cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.553	0.232	0.07	23.11	24.00	1.227	0.679	22.4
Left cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.561	0.231	-0.12	22.96	24.00	1.271	0.713	22.4
Left cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.601	0.242	-0.13	23.03	24.00	1.250	0.751	22.4
Left tilted	100	OFDM QPSK 135_69	650000/3750	100%	0.626	0.256	-0.02	23.27	24.00	1.183	0.741	22.3
Left tilted	100	OFDM QPSK 135_69	654800/3822	100%	0.438	0.188	-0.01	23.16	24.00	1.213	0.531	22.4
Left tilted	100	OFDM QPSK 135_69	657200/3858	100%	0.404	0.169	-0.02	23.11	24.00	1.227	0.496	22.4
Left tilted	100	OFDM QPSK 135_69	659600/3894	100%	0.409	0.169	-0.06	22.96	24.00	1.271	0.520	22.4
Left tilted	100	OFDM QPSK 135_69	662000/3930	100%	0.438	0.177	0.09	23.03	24.00	1.250	0.548	22.4
Right cheek	100	OFDM QPSK 135_69	650000/3750	100%	1.010	0.413	-0.09	23.27	24.00	1.183	1.195	22.3
Right cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.707	0.303	0.09	23.16	24.00	1.213	0.858	22.4
Right cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.651	0.273	-0.12	23.11	24.00	1.227	0.799	22.4
Right cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.660	0.272	0.06	22.96	24.00	1.271	0.839	22.4
Right cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.707	0.285	0.11	23.03	24.00	1.250	0.884	22.4
Right cheek-repeat	100	OFDM QPSK 135_69	650000/3750	100%	0.985	0.438	-0.03	23.27	24.00	1.183	1.165	22.4
Head Test Data (100%RB) DS14												
Right cheek	100	OFDM QPSK 270_0	657200/3858	100%	0.522	0.219	-0.11	22.48	23.00	1.127	0.588	22.4
Head Test Data (1RB) DS14												
Left cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.509	0.235	0.14	23.27	22.00	0.746	0.380	22.4
Left tilted	100	OFDM QPSK 1_271	654800/3822	100%	0.354	0.156	-0.04	23.27	22.00	0.746	0.264	22.4
Right cheek	100	OFDM QPSK 1_271	654800/3822	100%	0.663	0.278	-0.07	23.27	22.00	0.746	0.495	22.4
Right tilted	100	OFDM QPSK 1_271	654800/3822	100%	0.167	0.080	0.13	23.27	22.00	0.746	0.125	22.4
Left cheek	100	OFDM QPSK 1_271	650000/3750	100%	0.687	0.281	0.16	22.93	22.00	0.807	0.555	22.3
Left cheek	100	OFDM QPSK 1_271	652400/3786	100%	0.481	0.206	-0.06	23.17	22.00	0.764	0.367	22.4
Left cheek	100	OFDM QPSK 1_137	657200/3858	100%	0.442	0.186	-0.17	23.26	22.00	0.748	0.331	22.4
Left cheek	100	OFDM QPSK 1_137	659600/3894	100%	0.449	0.185	-0.05	23.16	22.00	0.766	0.344	22.4
Left cheek	100	OFDM QPSK 1_1	662000/3930	100%	0.481	0.194	-0.01	23.16	22.00	0.766	0.368	22.4
Left tilted	100	OFDM QPSK 1_271	650000/3750	100%	0.501	0.205	-0.09	22.93	22.00	0.807	0.404	22.3
Left tilted	100	OFDM QPSK 1_271	652400/3786	100%	0.350	0.150	0.19	23.17	22.00	0.764	0.267	22.4
Left tilted	100	OFDM QPSK 1_137	657200/3858	100%	0.323	0.135	-0.13	23.26	22.00	0.748	0.242	22.4
Left tilted	100	OFDM QPSK 1_137	659600/3894	100%	0.327	0.135	-0.08	23.16	22.00	0.766	0.250	22.4
Left tilted	100	OFDM QPSK 1_1	662000/3930	100%	0.350	0.142	0.16	23.16	22.00	0.766	0.268	22.4
Right cheek	100	OFDM QPSK 1_271	650000/3750	100%	0.808	0.330	0.01	22.93	22.00	0.807	0.652	22.3



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Right cheek	100	OFDM QPSK 1_271	652400/3786	100%	0.566	0.242	0.12	23.17	22.00	0.764	0.432	22.4
Right cheek	100	OFDM QPSK 1_137	657200/3858	100%	0.521	0.218	0.00	23.26	22.00	0.748	0.390	22.4
Right cheek	100	OFDM QPSK 1_137	659600/3894	100%	0.528	0.218	-0.15	23.16	22.00	0.766	0.404	22.4
Right cheek	100	OFDM QPSK 1_1	662000/3930	100%	0.566	0.228	-0.11	23.16	22.00	0.766	0.433	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.658	0.309	0.08	23.28	22.00	0.745	0.490	22.4
Left tilted	100	OFDM QPSK 135_69	652400/3786	100%	0.479	0.209	0.07	23.28	22.00	0.745	0.357	22.4
Right cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.772	0.330	-0.03	23.28	22.00	0.745	0.575	22.4
Right tilted	100	OFDM QPSK 135_69	652400/3786	100%	0.215	0.105	0.15	23.28	22.00	0.745	0.160	22.4
Left cheek	100	OFDM QPSK 135_69	650000/3750	100%	0.859	0.351	0.16	23.27	22.00	0.746	0.641	22.3
Left cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.601	0.258	0.00	23.16	22.00	0.766	0.460	22.4
Left cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.553	0.232	0.07	23.11	22.00	0.774	0.428	22.4
Left cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.561	0.231	-0.12	22.96	22.00	0.802	0.450	22.4
Left cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.601	0.242	-0.13	23.03	22.00	0.789	0.474	22.4
Left tilted	100	OFDM QPSK 135_69	650000/3750	100%	0.626	0.256	-0.02	23.27	22.00	0.746	0.467	22.3
Left tilted	100	OFDM QPSK 135_69	654800/3822	100%	0.438	0.188	-0.01	23.16	22.00	0.766	0.335	22.4
Left tilted	100	OFDM QPSK 135_69	657200/3858	100%	0.404	0.169	-0.02	23.11	22.00	0.774	0.313	22.4
Left tilted	100	OFDM QPSK 135_69	659600/3894	100%	0.409	0.169	-0.06	22.96	22.00	0.802	0.328	22.4
Left tilted	100	OFDM QPSK 135_69	662000/3930	100%	0.438	0.177	0.09	23.03	22.00	0.789	0.346	22.4
Right cheek	100	OFDM QPSK 135_69	650000/3750	100%	1.010	0.413	-0.09	23.27	22.00	0.746	0.754	22.3
Right cheek	100	OFDM QPSK 135_69	654800/3822	100%	0.707	0.303	0.09	23.16	22.00	0.766	0.541	22.4
Right cheek	100	OFDM QPSK 135_69	657200/3858	100%	0.651	0.273	-0.12	23.11	22.00	0.774	0.504	22.4
Right cheek	100	OFDM QPSK 135_69	659600/3894	100%	0.660	0.272	0.06	22.96	22.00	0.802	0.529	22.4
Right cheek	100	OFDM QPSK 135_69	662000/3930	100%	0.707	0.285	0.11	23.03	22.00	0.789	0.558	22.4
Right cheek-repeat	100	OFDM QPSK 135_69	650000/3750	100%	0.985	0.438	-0.03	23.27	22.00	0.746	0.735	22.4
Head Test Data (100%RB) DSI4												
Right cheek	100	OFDM QPSK 270_0	657200/3858	100%	0.522	0.219	-0.11	22.48	21.00	0.711	0.371	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	100	OFDM QPSK 1_271	654800/3822	100%	0.249	0.112	-0.08	24.71	25.50	1.199	0.299	22.1
Back side	100	OFDM QPSK 1_271	654800/3822	100%	0.573	0.240	-0.06	24.71	25.50	1.199	0.687	22.1
Right side	100	OFDM QPSK 1_271	654800/3822	100%	0.425	0.183	-0.11	24.71	25.50	1.199	0.510	22.1
Back side	100	OFDM QPSK 1_271	650000/3750	100%	0.747	0.315	-0.07	24.36	25.50	1.300	0.971	22.1
Back side	100	OFDM QPSK 1_271	652400/3786	100%	0.672	0.288	-0.17	24.65	25.50	1.216	0.817	22.1
Back side	100	OFDM QPSK 1_137	657200/3858	100%	0.638	0.274	-0.07	24.70	25.50	1.202	0.767	22.1
Back side	100	OFDM QPSK 1_137	659600/3894	100%	0.515	0.225	0.08	24.68	25.50	1.208	0.622	22.1
Back side	100	OFDM QPSK 1_1	662000/3930	100%	0.537	0.232	-0.09	24.61	25.50	1.227	0.659	22.1
Right side	100	OFDM QPSK 1_271	650000/3750	100%	0.553	0.233	-0.01	24.36	25.50	1.300	0.719	22.1
Right side	100	OFDM QPSK 1_271	652400/3786	100%	0.497	0.213	0.06	24.65	25.50	1.216	0.604	22.1
Right side	100	OFDM QPSK 1_137	657200/3858	100%	0.472	0.203	-0.06	24.70	25.50	1.202	0.567	22.1
Right side	100	OFDM QPSK 1_137	659600/3894	100%	0.381	0.167	0.07	24.68	25.50	1.208	0.460	22.1
Right side	100	OFDM QPSK 1_1	662000/3930	100%	0.397	0.172	-0.15	24.61	25.50	1.227	0.487	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	100	OFDM QPSK 135_69	652400/3786	100%	0.408	0.184	0.14	24.66	25.50	1.213	0.495	22.1
Back side	100	OFDM QPSK 135_69	652400/3786	100%	0.844	0.345	-0.14	24.66	25.50	1.213	1.024	22.1



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Right side	100	OFDM QPSK 135_69	652400/3786	100%	0.637	0.276	-0.06	24.66	25.50	1.213	0.773	22.1
Front side	100	OFDM QPSK 135_69	650000/3750	100%	0.427	0.178	-0.13	24.01	25.50	1.409	0.602	22.3
Front side	100	OFDM QPSK 135_69	654800/3822	100%	0.364	0.155	-0.19	24.65	25.50	1.216	0.443	22.1
Front side	100	OFDM QPSK 135_69	657200/3858	100%	0.328	0.141	-0.12	24.60	25.50	1.230	0.404	22.1
Front side	100	OFDM QPSK 135_69	659600/3894	100%	0.277	0.114	0.07	24.54	25.50	1.247	0.346	22.1
Front side	100	OFDM QPSK 135_69	662000/3930	100%	0.241	0.098	0.13	24.44	25.50	1.276	0.308	22.1
Back side	100	OFDM QPSK 135_69	650000/3750	100%	0.838	0.349	-0.19	24.01	25.50	1.409	1.181	22.3
Back side	100	OFDM QPSK 135_69	654800/3822	100%	0.713	0.303	-0.11	24.65	25.50	1.216	0.867	22.1
Back side	100	OFDM QPSK 135_69	657200/3858	100%	0.644	0.276	-0.06	24.60	25.50	1.230	0.792	22.1
Back side	100	OFDM QPSK 135_69	659600/3894	100%	0.544	0.223	0.00	24.54	25.50	1.247	0.679	22.1
Back side	100	OFDM QPSK 135_69	662000/3930	100%	0.472	0.192	-0.13	24.44	25.50	1.276	0.602	22.1
Right side	100	OFDM QPSK 135_69	650000/3750	100%	0.747	0.324	-0.18	24.01	25.50	1.409	1.053	22.1
Right side	100	OFDM QPSK 135_69	654800/3822	100%	0.506	0.223	0.11	24.65	25.50	1.216	0.615	22.1
Right side	100	OFDM QPSK 135_69	657200/3858	100%	0.410	0.181	0.12	24.60	25.50	1.230	0.504	22.1
Right side	100	OFDM QPSK 135_69	659600/3894	100%	0.374	0.157	-0.10	24.54	25.50	1.247	0.467	22.1
Right side	100	OFDM QPSK 135_69	662000/3930	100%	0.388	0.168	0.17	24.44	25.50	1.276	0.495	22.1
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI0												
Back side	100	OFDM QPSK 270_0	657200/3858	100%	0.547	0.224	-0.08	24.03	24.50	1.114	0.610	22.1
Right side	100	OFDM QPSK 270_0	657200/3858	100%	0.422	0.180	0.05	24.03	24.50	1.114	0.470	22.1
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	100	OFDM QPSK 1_271	654800/3822	100%	0.249	0.112	-0.08	24.71	24.00	0.849	0.211	22.1
Back side	100	OFDM QPSK 1_271	654800/3822	100%	0.573	0.240	-0.06	24.71	24.00	0.849	0.487	22.1
Right side	100	OFDM QPSK 1_271	654800/3822	100%	0.425	0.183	-0.11	24.71	24.00	0.849	0.361	22.1
Back side	100	OFDM QPSK 1_271	650000/3750	100%	0.747	0.315	-0.07	24.36	24.00	0.920	0.688	22.1
Back side	100	OFDM QPSK 1_271	652400/3786	100%	0.672	0.288	-0.17	24.65	24.00	0.861	0.579	22.1
Back side	100	OFDM QPSK 1_137	657200/3858	100%	0.638	0.274	-0.07	24.70	24.00	0.851	0.543	22.1
Back side	100	OFDM QPSK 1_137	659600/3894	100%	0.515	0.225	0.08	24.68	24.00	0.855	0.440	22.1
Back side	100	OFDM QPSK 1_1	662000/3930	100%	0.537	0.232	-0.09	24.61	24.00	0.869	0.467	22.1
Right side	100	OFDM QPSK 1_271	650000/3750	100%	0.553	0.233	-0.01	24.36	24.00	0.920	0.509	22.1
Right side	100	OFDM QPSK 1_271	652400/3786	100%	0.497	0.213	0.06	24.65	24.00	0.861	0.428	22.1
Right side	100	OFDM QPSK 1_137	657200/3858	100%	0.472	0.203	-0.06	24.70	24.00	0.851	0.402	22.1
Right side	100	OFDM QPSK 1_137	659600/3894	100%	0.381	0.167	0.07	24.68	24.00	0.855	0.326	22.1
Right side	100	OFDM QPSK 1_1	662000/3930	100%	0.397	0.172	-0.15	24.61	24.00	0.869	0.345	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	100	OFDM QPSK 135_69	652400/3786	100%	0.408	0.184	0.14	24.66	24.00	0.859	0.350	22.1
Back side	100	OFDM QPSK 135_69	652400/3786	100%	0.844	0.345	-0.14	24.66	24.00	0.859	0.725	22.1
Right side	100	OFDM QPSK 135_69	652400/3786	100%	0.637	0.276	-0.06	24.66	24.00	0.859	0.547	22.1
Front side	100	OFDM QPSK 135_69	650000/3750	100%	0.427	0.178	-0.13	24.01	24.00	0.998	0.426	22.3
Front side	100	OFDM QPSK 135_69	654800/3822	100%	0.364	0.155	-0.19	24.65	24.00	0.861	0.313	22.1
Front side	100	OFDM QPSK 135_69	657200/3858	100%	0.328	0.141	-0.12	24.60	24.00	0.871	0.286	22.1
Front side	100	OFDM QPSK 135_69	659600/3894	100%	0.277	0.114	0.07	24.54	24.00	0.883	0.245	22.1
Front side	100	OFDM QPSK 135_69	662000/3930	100%	0.241	0.098	0.13	24.44	24.00	0.904	0.218	22.1
Back side	100	OFDM QPSK 135_69	650000/3750	100%	0.838	0.349	-0.19	24.01	24.00	0.998	0.836	22.3
Back side	100	OFDM QPSK 135_69	654800/3822	100%	0.713	0.303	-0.11	24.65	24.00	0.861	0.614	22.1



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

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Back side	100	OFDM QPSK 135_69	657200/3858	100%	0.644	0.276	-0.06	24.60	24.00	0.871	0.561	22.1
Back side	100	OFDM QPSK 135_69	659600/3894	100%	0.544	0.223	0.00	24.54	24.00	0.883	0.480	22.1
Back side	100	OFDM QPSK 135_69	662000/3930	100%	0.472	0.192	-0.13	24.44	24.00	0.904	0.427	22.1
Right side	100	OFDM QPSK 135_69	650000/3750	100%	0.747	0.324	-0.18	24.01	24.00	0.998	0.745	22.1
Right side	100	OFDM QPSK 135_69	654800/3822	100%	0.506	0.223	0.11	24.65	24.00	0.861	0.436	22.1
Right side	100	OFDM QPSK 135_69	657200/3858	100%	0.410	0.181	0.12	24.60	24.00	0.871	0.357	22.1
Right side	100	OFDM QPSK 135_69	659600/3894	100%	0.374	0.157	-0.10	24.54	24.00	0.883	0.330	22.1
Right side	100	OFDM QPSK 135_69	662000/3930	100%	0.388	0.168	0.17	24.44	24.00	0.904	0.351	22.1
Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI2												
Back side	100	OFDM QPSK 270_0	657200/3858	100%	0.547	0.224	-0.08	24.03	23.00	0.789	0.432	22.1
Right side	100	OFDM QPSK 270_0	657200/3858	100%	0.422	0.180	0.05	24.03	23.00	0.789	0.333	22.1

Test Position	Channel/ Frequency (MHz)		Measured SAR (1g)	1 <sup>st</sup> Repeated SAR (1g)	Ratio
	Left side	659600/3894		0.988	

(for original report SZCR240300076714)

SA N77 SAR Test Record												
Ant1 Test Record												
Test position	BW.	Modulation	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) DSI4												
Right cheek	100	OFDM QPSK 135_69	652400/3786	100%	0.727	0.342	0.06	19.95	21.00	1.274	0.926	22.3
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Left side	100	OFDM QPSK 135_69	659600/3894	100%	0.991	0.484	-0.06	23.76	24.50	1.186	1.175	22.3
Left side- repeated	100	OFDM QPSK 135_69	659600/3894	100%	0.987	0.376	0.08	23.76	24.50	1.186	1.170	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 <sup>st</sup> Repeated	Ratio	2 <sup>nd</sup> Repeated	3 <sup>rd</sup> Repeated
Left side 10mm	659600/3894	0.991	0.987	1.004	N/A	N/A

- Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

(for new report SZCR250500221411)



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**9.2.32 SAR Result of NR Band n77(3450-3550)MIMO**

SA N77 SAR Test Record												
Ant3 Test Record												
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data (1RB) DS14												
Left cheek	100	CP QPSK 1_1	633334/3500	100%	0.300	0.146	0.17	16.53	17.50	1.250	0.375	22.4
Left tilted	100	CP QPSK 1_1	633334/3500	100%	0.093	0.047	0.12	16.53	17.50	1.250	0.116	22.4
Right cheek	100	CP QPSK 1_1	633334/3500	100%	0.499	0.218	0.03	16.53	17.50	1.250	<b>0.624</b>	22.4
Right tilted	100	CP QPSK 1_1	633334/3500	100%	0.156	0.074	-0.11	16.53	17.50	1.250	0.195	22.4
Head Test Data (50%RB) DS14												
Left cheek	100	CP QPSK 135_138	633334/3500	100%	0.246	0.124	0.12	16.58	17.50	1.236	0.304	22.4
Left tilted	100	CP QPSK 135_138	633334/3500	100%	0.081	0.040	-0.04	16.58	17.50	1.236	0.100	22.4
Right cheek	100	CP QPSK 135_138	633334/3500	100%	0.495	0.205	-0.13	16.58	17.50	1.236	0.612	22.4
Right tilted	100	CP QPSK 135_138	633334/3500	100%	0.142	0.066	0.19	16.58	17.50	1.236	0.176	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DS10												
Front side	100	CP QPSK 1_1	633334/3500	100%	0.297	0.141	-0.12	20.10	21.00	1.230	0.365	22.1
Back side	100	CP QPSK 1_1	633334/3500	100%	0.432	0.201	-0.15	20.10	21.00	1.230	0.531	22.1
Left side	100	CP QPSK 1_1	633334/3500	100%	0.471	0.223	-0.03	20.10	21.00	1.230	<b>0.579</b>	22.4
Body worn&Hotspot Test data (Separate 10mm 50%RB) DS10												
Front side	100	CP QPSK 135_138	633334/3500	100%	0.218	0.104	0.04	20.09	21.00	1.233	0.269	22.1
Back side	100	CP QPSK 135_138	633334/3500	100%	0.380	0.178	-0.06	20.09	21.00	1.233	0.469	22.1
Left side	100	CP QPSK 135_138	633334/3500	100%	0.412	0.193	-0.02	20.09	21.00	1.233	0.508	22.1
Body worn&Hotspot Test data (Separate 10mm 1RB) DS12												
Front side	100	CP QPSK 1_1	633334/3500	100%	0.297	0.141	-0.12	20.10	20.50	1.096	0.326	22.1
Back side	100	CP QPSK 1_1	633334/3500	100%	0.432	0.201	-0.15	20.10	20.50	1.096	0.474	22.1
Left side	100	CP QPSK 1_1	633334/3500	100%	0.471	0.223	-0.03	20.10	20.50	1.096	0.516	22.4
Body worn&Hotspot Test data (Separate 10mm 50%RB) DS12												
Front side	100	CP QPSK 135_138	633334/3500	100%	0.218	0.104	0.04	20.09	20.50	1.099	0.240	22.1
Back side	100	CP QPSK 135_138	633334/3500	100%	0.380	0.178	-0.06	20.09	20.50	1.099	0.418	22.1
Left side	100	CP QPSK 135_138	633334/3500	100%	0.412	0.193	-0.02	20.09	20.50	1.099	0.453	22.1
Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data(1RB) DS14												
Left cheek	100	CP QPSK 1_1	633334/3500	100%	0.201	0.095	-0.16	15.84	17.00	1.306	0.263	22.4
Left tilted	100	CP QPSK 1_1	633334/3500	100%	0.133	0.060	0.05	15.84	17.00	1.306	0.174	22.4
Right cheek	100	CP QPSK 1_1	633334/3500	100%	0.250	0.111	-0.14	15.84	17.00	1.306	0.327	22.4
Right tilted	100	CP QPSK 1_1	633334/3500	100%	0.077	0.037	-0.15	15.84	17.00	1.306	0.101	22.4
Head Test Data(50%RB) DS14												
Left cheek	100	CP QPSK 135_138	633334/3500	100%	0.219	0.103	0.02	15.71	17.00	1.346	0.295	22.4



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Left tilted	100	CP QPSK 135_138	6333334/3500	100%	0.141	0.062	-0.07	15.71	17.00	1.346	0.190	22.4
Right cheek	100	CP QPSK 135_138	6333334/3500	100%	0.264	0.117	-0.02	15.71	17.00	1.346	0.355	22.4
Right tilted	100	CP QPSK 135_138	6333334/3500	100%	0.079	0.038	0.13	15.71	17.00	1.346	0.106	22.4
Head Test Data(1RB) DSI5												
Left cheek	100	CP QPSK 1_1	6333334/3500	100%	0.201	0.095	-0.16	15.84	16.50	1.164	0.234	22.4
Left tilted	100	CP QPSK 1_1	6333334/3500	100%	0.133	0.060	0.05	15.84	16.50	1.164	0.155	22.4
Right cheek	100	CP QPSK 1_1	6333334/3500	100%	0.250	0.111	-0.14	15.84	16.50	1.164	0.291	22.4
Right tilted	100	CP QPSK 1_1	6333334/3500	100%	0.077	0.037	-0.15	15.84	16.50	1.164	0.090	22.4
Head Test Data(50%RB) DSI5												
Left cheek	100	CP QPSK 135_138	6333334/3500	100%	0.219	0.103	0.02	15.71	16.50	1.199	0.263	22.4
Left tilted	100	CP QPSK 135_138	6333334/3500	100%	0.141	0.062	-0.07	15.71	16.50	1.199	0.169	22.4
Right cheek	100	CP QPSK 135_138	6333334/3500	100%	0.264	0.117	-0.02	15.71	16.50	1.199	0.317	22.4
Right tilted	100	CP QPSK 135_138	6333334/3500	100%	0.079	0.038	0.13	15.71	16.50	1.199	0.095	22.4
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI0												
Front side	100	CP QPSK 1_1	6333334/3500	100%	0.241	0.108	-0.12	18.79	20.00	1.321	0.318	22.1
Back side	100	CP QPSK 1_1	6333334/3500	100%	0.427	0.177	-0.01	18.79	20.00	1.321	0.564	22.1
Right side	100	CP QPSK 1_1	6333334/3500	100%	0.404	0.177	0.03	18.79	20.00	1.321	0.534	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	6333334/3500	100%	0.241	0.103	0.06	18.63	20.00	1.371	0.330	22.1
Back side	100	CP QPSK 135_138	6333334/3500	100%	0.421	0.207	0.06	18.63	20.00	1.371	0.577	22.1
Right side	100	CP QPSK 135_138	6333334/3500	100%	0.375	0.167	-0.08	18.63	20.00	1.371	0.514	22.1
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI2												
Front side	100	CP QPSK 1_1	6333334/3500	100%	0.241	0.108	-0.12	18.79	19.50	1.178	0.284	22.1
Back side	100	CP QPSK 1_1	6333334/3500	100%	0.427	0.177	-0.01	18.79	19.50	1.178	0.503	22.1
Right side	100	CP QPSK 1_1	6333334/3500	100%	0.404	0.177	0.03	18.79	19.50	1.178	0.476	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	6333334/3500	100%	0.241	0.103	0.06	18.63	19.50	1.222	0.294	22.1
Back side	100	CP QPSK 135_138	6333334/3500	100%	0.421	0.207	0.06	18.63	19.50	1.222	0.514	22.1
Right side	100	CP QPSK 135_138	6333334/3500	100%	0.375	0.167	-0.08	18.63	19.50	1.222	0.458	22.1

(for original report SZCR240300076714)



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**9.2.33 SAR Result of NR Band n77(3700-3980)MIMO**

SA N77 SAR Test Record												
Ant3 Test Record												
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data (1RB) DSI4												
Left cheek	100	CP QPSK 1_1	657200/3858	100%	0.297	0.133	-0.14	17.55	18.00	1.109	0.329	22.4
Left tilted	100	CP QPSK 1_1	657200/3858	100%	0.088	0.042	-0.03	17.55	18.00	1.109	0.098	22.4
Right cheek	100	CP QPSK 1_1	657200/3858	100%	0.585	0.220	0.03	17.55	18.00	1.109	0.649	22.4
Right tilted	100	CP QPSK 1_1	657200/3858	100%	0.150	0.072	0.11	17.55	18.00	1.109	0.166	22.4
Right cheek	100	CP QPSK 1_1	650000/3750	100%	0.406	0.153	0.14	16.98	18.00	1.265	0.513	22.4
Right cheek	100	CP QPSK 1_1	652400/3786	100%	0.533	0.200	-0.03	16.91	18.00	1.285	0.685	22.4
Right cheek	100	CP QPSK 1_1	654800/3822	100%	0.567	0.211	0.16	17.21	18.00	1.199	0.680	22.4
Right cheek	100	CP QPSK 1_1	659600/3894	100%	0.565	0.214	0.15	17.33	18.00	1.167	0.659	22.4
Right cheek	100	CP QPSK 1_1	662000/3930	100%	0.560	0.214	-0.15	17.22	18.00	1.197	0.670	22.4
Right cheek-repeat	100	CP QPSK 1_1	657200/3858	100%	0.575	0.210	-0.17	17.55	18.00	1.109	0.638	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	CP QPSK 135_138	659600/3894	100%	0.287	0.131	-0.18	17.85	18.00	1.035	0.297	22.4
Left tilted	100	CP QPSK 135_138	659600/3894	100%	0.079	0.039	-0.08	17.85	18.00	1.035	0.082	22.4
Right cheek	100	CP QPSK 135_138	659600/3894	100%	0.523	0.200	-0.14	17.85	18.00	1.035	0.541	22.4
Right tilted	100	CP QPSK 135_138	659600/3894	100%	0.131	0.063	0.03	17.85	18.00	1.035	0.136	22.4
Right cheek	100	CP QPSK 135_138	650000/3750	100%	0.575	0.216	-0.06	16.65	18.00	1.365	0.785	22.4
Right cheek	100	CP QPSK 135_138	652400/3786	100%	0.579	0.238	-0.06	16.58	18.00	1.387	<b>0.803</b>	22.4
Right cheek	100	CP QPSK 135_138	654800/3822	100%	0.566	0.215	0.01	16.54	18.00	1.400	0.792	22.4
Right cheek	100	CP QPSK 135_138	657200/3858	100%	0.556	0.212	-0.08	16.85	18.00	1.303	0.725	22.4
Right cheek	100	CP QPSK 135_138	662000/3930	100%	0.467	0.180	0.13	16.59	18.00	1.384	0.646	22.4
Head Test Data (50%RB) DSI4												
Right cheek	100	CP QPSK 270_0	657200/3858	100%	0.402	0.161	-0.19	15.58	16.50	1.236	0.497	22.4
Head Test Data (1RB) DSI5												
Left cheek	100	CP QPSK 1_1	657200/3858	100%	0.297	0.133	-0.14	17.55	17.00	0.881	0.262	22.4
Left tilted	100	CP QPSK 1_1	657200/3858	100%	0.088	0.042	-0.03	17.55	17.00	0.881	0.078	22.4
Right cheek	100	CP QPSK 1_1	657200/3858	100%	0.585	0.220	0.03	17.55	17.00	0.881	0.515	22.4
Right tilted	100	CP QPSK 1_1	657200/3858	100%	0.150	0.072	0.11	17.55	17.00	0.881	0.132	22.4
Right cheek	100	CP QPSK 1_1	650000/3750	100%	0.406	0.153	0.14	16.98	17.00	1.005	0.408	22.4
Right cheek	100	CP QPSK 1_1	652400/3786	100%	0.533	0.200	-0.03	16.91	17.00	1.021	0.544	22.4
Right cheek	100	CP QPSK 1_1	654800/3822	100%	0.567	0.211	0.16	17.21	17.00	0.953	0.540	22.4
Right cheek	100	CP QPSK 1_1	659600/3894	100%	0.565	0.214	0.15	17.33	17.00	0.927	0.524	22.4
Right cheek	100	CP QPSK 1_1	662000/3930	100%	0.560	0.214	-0.15	17.22	17.00	0.951	0.532	22.4
Right cheek-repeat	100	CP QPSK 1_1	657200/3858	100%	0.575	0.210	-0.17	17.55	17.00	0.881	0.507	22.4
Head Test Data (50%RB) DSI5												
Left cheek	100	CP QPSK 135_138	659600/3894	100%	0.287	0.131	-0.18	17.85	17.00	0.822	0.236	22.4
Left tilted	100	CP QPSK 135_138	659600/3894	100%	0.079	0.039	-0.08	17.85	17.00	0.822	0.065	22.4
Right cheek	100	CP QPSK 135_138	659600/3894	100%	0.523	0.200	-0.14	17.85	17.00	0.822	0.430	22.4



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Right tilted	100	CP QPSK 135_138	659600/3894	100%	0.131	0.063	0.03	17.85	17.00	0.822	0.108	22.4
Right cheek	100	CP QPSK 135_138	650000/3750	100%	0.575	0.216	-0.06	16.65	17.00	1.084	0.623	22.4
Right cheek	100	CP QPSK 135_138	652400/3786	100%	0.579	0.238	-0.06	16.58	17.00	1.102	0.638	22.4
Right cheek	100	CP QPSK 135_138	654800/3822	100%	0.566	0.215	0.01	16.54	17.00	1.112	0.629	22.4
Right cheek	100	CP QPSK 135_138	657200/3858	100%	0.556	0.212	-0.08	16.85	17.00	1.035	0.576	22.4
Right cheek	100	CP QPSK 135_138	662000/3930	100%	0.467	0.180	0.13	16.59	17.00	1.099	0.513	22.4
Head Test Data (50%RB) DSI5												
Right cheek	100	CP QPSK 270_0	657200/3858	100%	0.402	0.161	-0.19	15.58	15.50	0.982	0.395	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	100	CP QPSK 1_1	657200/3858	100%	0.471	0.215	0.05	20.87	21.50	1.156	0.545	22.1
Back side	100	CP QPSK 1_1	657200/3858	100%	0.434	0.193	-0.09	20.87	21.50	1.156	0.502	22.1
Left side	100	CP QPSK 1_1	657200/3858	100%	0.594	0.272	-0.17	20.87	21.50	1.156	0.687	22.1
Front side	100	CP QPSK 1_1	650000/3750	100%	0.393	0.185	0.08	20.50	21.50	1.259	0.495	22.1
Front side	100	CP QPSK 1_1	652400/3786	100%	0.486	0.228	0.02	20.51	21.50	1.256	0.610	22.1
Front side	100	CP QPSK 1_1	654800/3822	100%	0.475	0.219	0.14	20.67	21.50	1.211	0.575	22.1
Front side	100	CP QPSK 1_1	659600/3894	100%	0.506	0.231	-0.17	20.72	21.50	1.197	0.606	22.1
Front side	100	CP QPSK 1_1	662000/3930	100%	0.512	0.233	-0.10	20.58	21.50	1.236	0.633	22.1
Back side	100	CP QPSK 1_1	650000/3750	100%	0.357	0.167	0.04	20.50	21.50	1.259	0.449	22.1
Back side	100	CP QPSK 1_1	652400/3786	100%	0.394	0.184	0.01	20.51	21.50	1.256	0.495	22.1
Back side	100	CP QPSK 1_1	654800/3822	100%	0.419	0.186	0.06	20.67	21.50	1.211	0.507	22.1
Back side	100	CP QPSK 1_1	659600/3894	100%	0.465	0.207	0.09	20.72	21.50	1.197	0.556	22.1
Back side	100	CP QPSK 1_1	662000/3930	100%	0.502	0.218	0.06	20.58	21.50	1.236	0.620	22.1
Left side	100	CP QPSK 1_1	650000/3750	100%	0.550	0.251	-0.10	20.50	21.50	1.259	0.692	22.1
Left side	100	CP QPSK 1_1	652400/3786	100%	0.595	0.270	-0.02	20.51	21.50	1.256	0.747	22.1
Left side	100	CP QPSK 1_1	654800/3822	100%	0.594	0.269	-0.12	20.67	21.50	1.211	0.719	22.1
Left side	100	CP QPSK 1_1	659600/3894	100%	0.627	0.279	-0.18	20.72	21.50	1.197	0.750	22.1
Left side	100	CP QPSK 1_1	662000/3930	100%	0.629	0.275	0.00	20.58	21.50	1.236	0.777	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	100	CP QPSK 135_138	657200/3858	100%	0.466	0.221	0.01	20.36	21.50	1.300	0.606	22.1
Back side	100	CP QPSK 135_138	657200/3858	100%	0.467	0.210	0.06	20.36	21.50	1.300	0.607	22.1
Left side	100	CP QPSK 135_138	657200/3858	100%	0.589	0.279	-0.06	20.36	21.50	1.300	0.766	22.1
Front side	100	CP QPSK 135_138	650000/3750	100%	0.448	0.210	0.10	20.04	21.50	1.400	0.627	22.1
Front side	100	CP QPSK 135_138	652400/3786	100%	0.489	0.222	-0.19	20.01	21.50	1.409	0.689	22.1
Front side	100	CP QPSK 135_138	654800/3822	100%	0.508	0.228	-0.16	20.25	21.50	1.334	0.677	22.1
Front side	100	CP QPSK 135_138	659600/3894	100%	0.472	0.214	-0.04	20.22	21.50	1.343	0.634	22.1
Front side	100	CP QPSK 135_138	662000/3930	100%	0.406	0.183	-0.13	19.96	21.50	1.426	0.579	22.1
Back side	100	CP QPSK 135_138	650000/3750	100%	0.379	0.174	0.00	20.04	21.50	1.400	0.530	22.1
Back side	100	CP QPSK 135_138	652400/3786	100%	0.406	0.184	0.15	20.01	21.50	1.409	0.572	22.1
Back side	100	CP QPSK 135_138	654800/3822	100%	0.462	0.200	0.00	20.25	21.50	1.334	0.616	22.1
Back side	100	CP QPSK 135_138	659600/3894	100%	0.443	0.200	-0.16	20.22	21.50	1.343	0.595	22.1
Back side	100	CP QPSK 135_138	662000/3930	100%	0.368	0.162	-0.04	19.96	21.50	1.426	0.525	22.1
Left side	100	CP QPSK 135_138	650000/3750	100%	0.552	0.258	-0.02	20.04	21.50	1.400	0.773	22.1
Left side	100	CP QPSK 135_138	652400/3786	100%	0.552	0.261	-0.06	20.01	21.50	1.409	<b>0.778</b>	22.4
Left side	100	CP QPSK 135_138	654800/3822	100%	0.575	0.268	0.17	20.25	21.50	1.334	0.767	22.1



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Left side	100	CP QPSK 135_138	659600/3894	100%	0.571	0.255	-0.11	20.22	21.50	1.343	0.767	22.1
Left side	100	CP QPSK 135_138	662000/3930	100%	0.484	0.217	-0.03	19.96	21.50	1.426	0.690	22.1
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	100	CP QPSK 1_1	657200/3858	100%	0.471	0.215	0.05	20.87	20.50	0.918	0.433	22.1
Back side	100	CP QPSK 1_1	657200/3858	100%	0.434	0.193	-0.09	20.87	20.50	0.918	0.399	22.1
Left side	100	CP QPSK 1_1	657200/3858	100%	0.594	0.272	-0.17	20.87	20.50	0.918	0.545	22.1
Front side	100	CP QPSK 1_1	650000/3750	100%	0.393	0.185	0.08	20.50	20.50	1.000	0.393	22.1
Front side	100	CP QPSK 1_1	652400/3786	100%	0.486	0.228	0.02	20.51	20.50	0.998	0.485	22.1
Front side	100	CP QPSK 1_1	654800/3822	100%	0.475	0.219	0.14	20.67	20.50	0.962	0.457	22.1
Front side	100	CP QPSK 1_1	659600/3894	100%	0.506	0.231	-0.17	20.72	20.50	0.951	0.481	22.1
Front side	100	CP QPSK 1_1	662000/3930	100%	0.512	0.233	-0.10	20.58	20.50	0.982	0.503	22.1
Back side	100	CP QPSK 1_1	650000/3750	100%	0.357	0.167	0.04	20.50	20.50	1.000	0.357	22.1
Back side	100	CP QPSK 1_1	652400/3786	100%	0.394	0.184	0.01	20.51	20.50	0.998	0.393	22.1
Back side	100	CP QPSK 1_1	654800/3822	100%	0.419	0.186	0.06	20.67	20.50	0.962	0.403	22.1
Back side	100	CP QPSK 1_1	659600/3894	100%	0.465	0.207	0.09	20.72	20.50	0.951	0.442	22.1
Back side	100	CP QPSK 1_1	662000/3930	100%	0.502	0.218	0.06	20.58	20.50	0.982	0.493	22.1
Left side	100	CP QPSK 1_1	650000/3750	100%	0.550	0.251	-0.10	20.50	20.50	1.000	0.550	22.1
Left side	100	CP QPSK 1_1	652400/3786	100%	0.595	0.270	-0.02	20.51	20.50	0.998	0.594	22.1
Left side	100	CP QPSK 1_1	654800/3822	100%	0.594	0.269	-0.12	20.67	20.50	0.962	0.571	22.1
Left side	100	CP QPSK 1_1	659600/3894	100%	0.627	0.279	-0.18	20.72	20.50	0.951	0.596	22.1
Left side	100	CP QPSK 1_1	662000/3930	100%	0.629	0.275	0.00	20.58	20.50	0.982	0.618	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	657200/3858	100%	0.466	0.221	0.01	20.36	20.50	1.033	0.481	22.1
Back side	100	CP QPSK 135_138	657200/3858	100%	0.467	0.210	0.06	20.36	20.50	1.033	0.482	22.1
Left side	100	CP QPSK 135_138	657200/3858	100%	0.589	0.279	-0.06	20.36	20.50	1.033	0.608	22.1
Front side	100	CP QPSK 135_138	650000/3750	100%	0.448	0.210	0.10	20.04	20.50	1.112	0.498	22.1
Front side	100	CP QPSK 135_138	652400/3786	100%	0.489	0.222	-0.19	20.01	20.50	1.119	0.547	22.1
Front side	100	CP QPSK 135_138	654800/3822	100%	0.508	0.228	-0.16	20.25	20.50	1.059	0.538	22.1
Front side	100	CP QPSK 135_138	659600/3894	100%	0.472	0.214	-0.04	20.22	20.50	1.067	0.503	22.1
Front side	100	CP QPSK 135_138	662000/3930	100%	0.406	0.183	-0.13	19.96	20.50	1.132	0.460	22.1
Back side	100	CP QPSK 135_138	650000/3750	100%	0.379	0.174	0.00	20.04	20.50	1.112	0.421	22.1
Back side	100	CP QPSK 135_138	652400/3786	100%	0.406	0.184	0.15	20.01	20.50	1.119	0.454	22.1
Back side	100	CP QPSK 135_138	654800/3822	100%	0.462	0.200	0.00	20.25	20.50	1.059	0.489	22.1
Back side	100	CP QPSK 135_138	659600/3894	100%	0.443	0.200	-0.16	20.22	20.50	1.067	0.473	22.1
Back side	100	CP QPSK 135_138	662000/3930	100%	0.368	0.162	-0.04	19.96	20.50	1.132	0.417	22.1
Left side	100	CP QPSK 135_138	650000/3750	100%	0.552	0.258	-0.02	20.04	20.50	1.112	0.614	22.1
Left side	100	CP QPSK 135_138	652400/3786	100%	0.552	0.261	-0.06	20.01	20.50	1.119	0.618	22.4
Left side	100	CP QPSK 135_138	654800/3822	100%	0.575	0.268	0.17	20.25	20.50	1.059	0.609	22.1
Left side	100	CP QPSK 135_138	659600/3894	100%	0.571	0.255	-0.11	20.22	20.50	1.067	0.609	22.1
Left side	100	CP QPSK 135_138	662000/3930	100%	0.484	0.217	-0.03	19.96	20.50	1.132	0.548	22.1



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Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data(1RB) DSI1												
Left cheek	100	CP QPSK 1_137	657200/3858	100%	0.222	0.102	-0.16	20.09	21.00	1.233	0.274	22.4
Left tilted	100	CP QPSK 1_137	657200/3858	100%	0.163	0.073	0.15	20.09	21.00	1.233	0.201	22.4
Right cheek	100	CP QPSK 1_137	657200/3858	100%	0.289	0.122	0.05	20.09	21.00	1.233	0.356	22.4
Right tilted	100	CP QPSK 1_137	657200/3858	100%	0.091	0.042	0.00	20.09	21.00	1.233	0.112	22.4
Head Test Data(50%RB) DSI4												
Left cheek	100	CP QPSK 135_138	657200/3858	100%	0.228	0.103	-0.13	20.07	21.00	1.239	0.282	22.4
Left tilted	100	CP QPSK 135_138	657200/3858	100%	0.156	0.070	0.19	20.07	21.00	1.239	0.193	22.4
Right cheek	100	CP QPSK 135_138	657200/3858	100%	0.276	0.117	-0.17	20.07	21.00	1.239	0.342	22.4
Right tilted	100	CP QPSK 135_138	657200/3858	100%	0.066	0.032	-0.11	20.07	21.00	1.239	0.082	22.4
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI0												
Front side	100	CP QPSK 1_137	657200/3858	100%	0.167	0.077	-0.18	21.71	22.50	1.199	0.200	22.1
Back side	100	CP QPSK 1_137	657200/3858	100%	0.372	0.162	-0.16	21.71	22.50	1.199	0.446	22.1
Right side	100	CP QPSK 1_137	657200/3858	100%	0.288	0.125	0.11	21.71	22.50	1.199	0.345	22.1
Back side	100	CP QPSK 1_137	650000/3750	100%	0.485	0.198	0.02	20.94	22.50	1.432	0.695	22.4
Back side	100	CP QPSK 1_137	652400/3786	100%	0.512	0.219	0.18	21.17	22.50	1.358	0.695	22.1
Back side	100	CP QPSK 1_137	654800/3822	100%	0.484	0.206	-0.09	21.31	22.50	1.315	0.637	22.1
Back side	100	CP QPSK 1_1	659600/3894	100%	0.456	0.195	0.15	21.53	22.50	1.250	0.570	22.1
Back side	100	CP QPSK 1_1	662000/3930	100%	0.348	0.152	-0.16	21.21	22.50	1.346	0.468	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	654800/3822	100%	0.186	0.081	0.14	21.51	22.50	1.256	0.234	22.1
Back side	100	CP QPSK 135_138	654800/3822	100%	0.403	0.175	0.11	21.51	22.50	1.256	0.506	22.1
Right side	100	CP QPSK 135_138	654800/3822	100%	0.290	0.126	0.10	21.51	22.50	1.256	0.364	22.1
Back side	100	CP QPSK 135_138	650000/3750	100%	0.520	0.218	-0.06	20.90	22.50	1.445	0.752	22.1
Back side	100	CP QPSK 135_138	652400/3786	100%	0.469	0.199	-0.01	21.17	22.50	1.358	0.637	22.1
Back side	100	CP QPSK 135_138	657200/3858	100%	0.348	0.152	0.04	21.42	22.50	1.282	0.446	22.1
Back side	100	CP QPSK 135_138	659600/3894	100%	0.269	0.120	0.06	21.26	22.50	1.330	0.358	22.1
Back side	100	CP QPSK 135_138	662000/3930	100%	0.239	0.106	-0.10	21.10	22.50	1.380	0.330	22.1
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI2												
Front side	100	CP QPSK 1_137	657200/3858	100%	0.167	0.077	-0.18	21.71	21.00	0.849	0.142	22.1
Back side	100	CP QPSK 1_137	657200/3858	100%	0.372	0.162	-0.16	21.71	21.00	0.849	0.316	22.1
Right side	100	CP QPSK 1_137	657200/3858	100%	0.288	0.125	0.11	21.71	21.00	0.849	0.245	22.1
Back side	100	CP QPSK 1_137	650000/3750	100%	0.485	0.198	0.02	20.94	21.00	1.014	0.492	22.4
Back side	100	CP QPSK 1_137	652400/3786	100%	0.512	0.219	0.18	21.17	21.00	0.962	0.492	22.1
Back side	100	CP QPSK 1_137	654800/3822	100%	0.484	0.206	-0.09	21.31	21.00	0.931	0.451	22.1
Back side	100	CP QPSK 1_1	659600/3894	100%	0.456	0.195	0.15	21.53	21.00	0.885	0.404	22.1
Back side	100	CP QPSK 1_1	662000/3930	100%	0.348	0.152	-0.16	21.21	21.00	0.953	0.332	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	654800/3822	100%	0.186	0.081	0.14	21.51	21.00	0.889	0.165	22.1



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Back side	100	CP QPSK 135_138	654800/3822	100%	0.403	0.175	0.11	21.51	21.00	0.889	0.358	22.1
Right side	100	CP QPSK 135_138	654800/3822	100%	0.290	0.126	0.10	21.51	21.00	0.889	0.258	22.1
Back side	100	CP QPSK 135_138	650000/3750	100%	0.520	0.218	-0.06	20.90	21.00	1.023	0.532	22.1
Back side	100	CP QPSK 135_138	652400/3786	100%	0.469	0.199	-0.01	21.17	21.00	0.962	0.451	22.1
Back side	100	CP QPSK 135_138	657200/3858	100%	0.348	0.152	0.04	21.42	21.00	0.908	0.316	22.1
Back side	100	CP QPSK 135_138	659600/3894	100%	0.269	0.120	0.06	21.26	21.00	0.942	0.253	22.1
Back side	100	CP QPSK 135_138	662000/3930	100%	0.239	0.106	-0.10	21.10	21.00	0.977	0.234	22.1

(for original report SZCR240300076714)



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**9.2.34 SAR Result of NR Band n78(3450-3550)SISO**

SA N78 SAR Test Record												
Ant 7 Test Record												
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data(1RB) DSI4												
Left cheek	100	OFDM QPSK 1_1	633334/3500	100%	0.560	0.261	-0.09	20.53	21.00	1.114	0.624	22.4
Left tilted	100	OFDM QPSK 1_1	633334/3500	100%	0.380	0.173	0.08	20.53	21.00	1.114	0.423	22.4
Right cheek	100	OFDM QPSK 1_1	633334/3500	100%	0.621	0.245	0.09	20.53	21.00	1.114	0.692	22.4
Right tilted	100	OFDM QPSK 1_1	633334/3500	100%	0.212	0.099	0.02	20.53	21.00	1.114	0.236	22.4
Head Test Data(50%RB) DSI4												
Left cheek	100	OFDM QPSK 135_69	633334/3500	100%	0.576	0.270	-0.13	20.39	21.00	1.151	0.663	22.4
Left tilted	100	OFDM QPSK 135_69	633334/3500	100%	0.386	0.176	-0.07	20.39	21.00	1.151	0.444	22.4
Right cheek	100	OFDM QPSK 135_69	633334/3500	100%	0.625	0.255	0.06	20.39	21.00	1.151	<b>0.719</b>	22.4
Right tilted	100	OFDM QPSK 135_69	633334/3500	100%	0.215	0.101	-0.13	20.39	21.00	1.151	0.247	22.4
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI0												
Front side	100	OFDM QPSK 1_1	633334/3500	100%	0.442	0.198	0.13	22.81	23.50	1.172	0.518	22.1
Back side	100	OFDM QPSK 1_1	633334/3500	100%	0.811	0.335	0.02	22.81	23.50	1.172	0.951	22.1
Right side	100	OFDM QPSK 1_1	633334/3500	100%	0.801	0.332	0.00	22.81	23.50	1.172	0.939	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI0												
Front side	100	OFDM QPSK 135_69	633334/3500	100%	0.450	0.197	-0.14	22.75	23.50	1.189	0.535	22.1
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.817	0.342	-0.04	22.75	23.50	1.189	<b>0.971</b>	22.4
Right side	100	OFDM QPSK 135_69	633334/3500	100%	0.805	0.345	0.10	22.75	23.50	1.189	0.957	22.1
Back side-repea	100	OFDM QPSK 135_69	633334/3500	100%	0.805	0.335	-0.07	22.75	23.50	1.189	0.957	22.4
Body worn&Hotspot Test data(Separate 10mm 100%RB) DSI0												
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.625	0.285	-0.04	21.66	22.50	1.213	0.758	22.4
Right side	100	OFDM QPSK 135_69	633334/3500	100%	0.621	0.284	-0.03	21.66	22.50	1.213	0.754	22.4
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI2												
Front side	100	OFDM QPSK 1_1	633334/3500	100%	0.442	0.198	0.13	22.81	22.50	0.931	0.412	22.1
Back side	100	OFDM QPSK 1_1	633334/3500	100%	0.811	0.335	0.02	22.81	22.50	0.931	0.755	22.1
Right side	100	OFDM QPSK 1_1	633334/3500	100%	0.801	0.332	0.00	22.81	22.50	0.931	0.746	22.1
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI2												
Front side	100	OFDM QPSK 135_69	633334/3500	100%	0.450	0.197	-0.14	22.75	22.50	0.944	0.425	22.1
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.817	0.342	-0.04	22.75	22.50	0.944	0.771	22.4
Right side	100	OFDM QPSK 135_69	633334/3500	100%	0.805	0.345	0.10	22.75	22.50	0.944	0.760	22.1
Body worn&Hotspot Test data(Separate 10mm 100%RB) DSI2												
Back side	100	OFDM QPSK 135_69	633334/3500	100%	0.625	0.285	-0.04	21.66	22.50	1.213	0.758	22.4
Right side	100	OFDM QPSK 135_69	633334/3500	100%	0.621	0.284	-0.03	21.66	22.50	1.213	0.754	22.4



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Test Position	Channel/ Frequency	Measured SAR (1g)	1 <sup>st</sup> Repeated	Ratio
	(MHz)		SAR (1g)	
Back side	633334/3500	0.817	0.805	1.01

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**9.2.35 SAR Result of NR Band n78(3450-3550)MIMO**

SA N78 SAR Test Record												
Ant 7 Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data(1RB) DSI4												
Left cheek	100	CP QPSK 1_1	633334/3500	100%	0.223	0.106	0.01	16.47	18.00	1.422	0.317	22.4
Left tilted	100	CP QPSK 1_1	633334/3500	100%	0.171	0.077	-0.18	16.47	18.00	1.422	0.243	22.4
Right cheek	100	CP QPSK 1_1	633334/3500	100%	0.290	0.116	-0.08	16.47	18.00	1.422	<b>0.412</b>	22.4
Right tilted	100	CP QPSK 1_1	633334/3500	100%	0.090	0.043	0.05	16.47	18.00	1.422	0.128	22.4
Head Test Data(50%RB) DSI4												
Left cheek	100	CP QPSK 135_138	633334/3500	100%	0.247	0.119	0.12	16.57	18.00	1.390	0.343	22.4
Left tilted	100	CP QPSK 135_138	633334/3500	100%	0.168	0.074	-0.05	16.57	18.00	1.390	0.234	22.4
Right cheek	100	CP QPSK 135_138	633334/3500	100%	0.289	0.139	-0.03	16.57	18.00	1.390	0.402	22.4
Right tilted	100	CP QPSK 135_138	633334/3500	100%	0.093	0.044	-0.03	16.57	18.00	1.390	0.129	22.4
Head Test Data(1RB) DSI5												
Left cheek	100	CP QPSK 1_1	633334/3500	100%	0.223	0.106	0.01	16.47	17.50	1.268	0.283	22.4
Left tilted	100	CP QPSK 1_1	633334/3500	100%	0.171	0.077	-0.18	16.47	17.50	1.268	0.217	22.4
Right cheek	100	CP QPSK 1_1	633334/3500	100%	0.290	0.116	-0.08	16.47	17.50	1.268	0.368	22.4
Right tilted	100	CP QPSK 1_1	633334/3500	100%	0.090	0.043	0.05	16.47	17.50	1.268	0.114	22.4
Head Test Data(50%RB) DSI5												
Left cheek	100	CP QPSK 135_138	633334/3500	100%	0.247	0.119	0.12	16.57	17.50	1.239	0.306	22.4
Left tilted	100	CP QPSK 135_138	633334/3500	100%	0.168	0.074	-0.05	16.57	17.50	1.239	0.208	22.4
Right cheek	100	CP QPSK 135_138	633334/3500	100%	0.289	0.139	-0.03	16.57	17.50	1.239	0.358	22.4
Right tilted	100	CP QPSK 135_138	633334/3500	100%	0.093	0.044	-0.03	16.57	17.50	1.239	0.115	22.4
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI0												
Front side	100	CP QPSK 1_1	633334/3500	100%	0.253	0.113	0.07	19.12	20.50	1.374	0.348	22.1
Back side	100	CP QPSK 1_1	633334/3500	100%	0.488	0.200	-0.03	19.12	20.50	1.374	0.671	22.1
Right side	100	CP QPSK 1_1	633334/3500	100%	0.534	0.227	-0.02	19.12	20.50	1.374	<b>0.734</b>	22.4
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI0												
Front side	100	CP QPSK 135_138	633334/3500	100%	0.250	0.111	0.14	19.05	20.50	1.396	0.349	22.1
Back side	100	CP QPSK 135_138	633334/3500	100%	0.453	0.180	-0.11	19.05	20.50	1.396	0.633	22.1
Right side	100	CP QPSK 135_138	633334/3500	100%	0.497	0.200	-0.07	19.05	20.50	1.396	0.694	22.1
Body worn&Hotspot Test data(Separate 10mm 1RB) DSI2												
Front side	100	CP QPSK 1_1	633334/3500	100%	0.253	0.113	0.07	19.12	19.50	1.091	0.276	22.1
Back side	100	CP QPSK 1_1	633334/3500	100%	0.488	0.200	-0.03	19.12	19.50	1.091	0.533	22.1
Right side	100	CP QPSK 1_1	633334/3500	100%	0.534	0.227	-0.02	19.12	19.50	1.091	0.583	22.4
Body worn&Hotspot Test data(Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	633334/3500	100%	0.250	0.111	0.14	19.05	19.50	1.109	0.277	22.1
Back side	100	CP QPSK 135_138	633334/3500	100%	0.453	0.180	-0.11	19.05	19.50	1.109	0.502	22.1



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Right side	100	CP QPSK 135_138	633334/3500	100%	0.497	0.200	-0.07	19.05	19.50	1.109	0.551	22.1
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(for original report SZCR240300076714)



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**9.2.36 SAR Result of NR Band n78(3700-3800)MIMO**

SA N78 SAR Test Record												
Ant3 Test Record												
Test position	BW	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-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)
Head Test Data (1RB) DSI4												
Left cheek	100	CP QPSK 1_1	650000/3750	100%	0.369	0.179	0.02	18.12	19.00	1.225	0.452	22.4
Left tilted	100	CP QPSK 1_1	650000/3750	100%	0.137	0.064	0.07	18.12	19.00	1.225	0.168	22.4
Right cheek	100	CP QPSK 1_1	650000/3750	100%	0.635	0.270	0.09	18.12	19.00	1.225	0.778	22.4
Right tilted	100	CP QPSK 1_1	650000/3750	100%	0.264	0.119	-0.13	18.12	19.00	1.225	0.323	22.4
Head Test Data (50%RB) DSI4												
Left cheek	100	CP QPSK 135_138	650000/3750	100%	0.358	0.175	-0.16	18.22	19.00	1.197	0.428	22.4
Left tilted	100	CP QPSK 135_138	650000/3750	100%	0.168	0.081	0.13	18.22	19.00	1.197	0.201	22.4
Right cheek	100	CP QPSK 135_138	650000/3750	100%	0.657	0.272	-0.01	18.22	19.00	1.197	<b>0.786</b>	22.4
Right tilted	100	CP QPSK 135_138	650000/3750	100%	0.304	0.143	0.18	18.22	19.00	1.197	0.364	22.4
Head Test Data (1RB) DSI5												
Left cheek	100	CP QPSK 1_1	650000/3750	100%	0.369	0.179	0.02	18.12	18.00	0.973	0.359	22.4
Left tilted	100	CP QPSK 1_1	650000/3750	100%	0.137	0.064	0.07	18.12	18.00	0.973	0.133	22.4
Right cheek	100	CP QPSK 1_1	650000/3750	100%	0.635	0.270	0.09	18.12	18.00	0.973	0.618	22.4
Right tilted	100	CP QPSK 1_1	650000/3750	100%	0.264	0.119	-0.13	18.12	18.00	0.973	0.257	22.4
Head Test Data (50%RB) DSI5												
Left cheek	100	CP QPSK 135_138	650000/3750	100%	0.358	0.175	-0.16	18.22	18.00	0.951	0.340	22.4
Left tilted	100	CP QPSK 135_138	650000/3750	100%	0.168	0.081	0.13	18.22	18.00	0.951	0.160	22.4
Right cheek	100	CP QPSK 135_138	650000/3750	100%	0.657	0.272	-0.01	18.22	18.00	0.951	0.625	22.4
Right tilted	100	CP QPSK 135_138	650000/3750	100%	0.304	0.143	0.18	18.22	18.00	0.951	0.289	22.4
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI0												
Front side	100	CP QPSK 1_137	650000/3750	100%	0.475	0.275	0.01	21.99	22.50	1.125	0.534	22.1
Back side	100	CP QPSK 1_137	650000/3750	100%	0.489	0.252	0.06	21.99	22.50	1.125	0.550	22.1
Left side	100	CP QPSK 1_137	650000/3750	100%	0.623	0.306	-0.06	21.99	22.50	1.125	<b>0.701</b>	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI0												
Front side	100	CP QPSK 135_138	650000/3750	100%	0.478	0.256	-0.18	22.01	22.50	1.119	0.535	22.1
Back side	100	CP QPSK 135_138	650000/3750	100%	0.495	0.248	-0.04	22.01	22.50	1.119	0.554	22.1
Left side	100	CP QPSK 135_138	650000/3750	100%	0.621	0.302	0.18	22.01	22.50	1.119	0.695	22.1
Body worn&Hotspot Test data (Separate 10mm 1RB) DSI2												
Front side	100	CP QPSK 1_137	650000/3750	100%	0.475	0.275	0.01	21.99	22.00	1.002	0.476	22.1
Back side	100	CP QPSK 1_137	650000/3750	100%	0.489	0.252	0.06	21.99	22.00	1.002	0.490	22.1
Left side	100	CP QPSK 1_137	650000/3750	100%	0.623	0.306	-0.06	21.99	22.00	1.002	0.624	22.1
Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI2												
Front side	100	CP QPSK 135_138	650000/3750	100%	0.478	0.256	-0.18	22.01	22.00	0.998	0.477	22.1
Back side	100	CP QPSK 135_138	650000/3750	100%	0.495	0.248	-0.04	22.01	22.00	0.998	0.494	22.1
Left side	100	CP QPSK 135_138	650000/3750	100%	0.621	0.302	0.18	22.01	22.00	0.998	0.620	22.1

(for original report SZCR240300076714)



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**9.2.37 SAR Result of WIFI 2.4G**

Wi-Fi 2.4G SAR Test Record												
Ant9 Test Record chain0												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	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 Set4												
Left cheek	802.11b	6/2437	98.23%	1.018	0.480	0.247	0.17	13.78	14.50	1.180	0.577	22.4
Left tilted	802.11b	6/2437	98.23%	1.018	0.333	0.162	-0.05	13.78	14.50	1.180	0.400	22.4
Right cheek	802.11b	6/2437	98.23%	1.018	0.136	0.081	0.18	13.78	14.50	1.180	0.163	22.4
Right tilted	802.11b	6/2437	98.23%	1.018	0.122	0.066	0.11	13.78	14.50	1.180	0.147	22.4
Head Test Data Set5												
Left cheek	802.11b	6/2437	98.23%	1.018	0.480	0.247	0.17	13.78	11.50	0.592	0.289	22.4
Left tilted	802.11b	6/2437	98.23%	1.018	0.333	0.162	-0.05	13.78	11.50	0.592	0.201	22.4
Right cheek	802.11b	6/2437	98.23%	1.018	0.136	0.081	0.18	13.78	11.50	0.592	0.082	22.4
Right tilted	802.11b	6/2437	98.23%	1.018	0.122	0.066	0.11	13.78	11.50	0.592	0.073	22.4
Body worn&Hotspot Test data (Separate 10mm) Set0												
Front side	802.11b	1/2412	98.23%	1.018	0.302	0.161	-0.13	17.70	18.50	1.202	0.370	22.4
Back side	802.11b	1/2412	98.23%	1.018	0.327	0.168	-0.12	17.70	18.50	1.202	0.400	22.4
Right side	802.11b	1/2412	98.23%	1.018	0.279	0.149	0.01	17.70	18.50	1.202	0.341	22.4
Top side	802.11b	1/2412	98.23%	1.018	0.131	0.073	0.00	17.70	18.50	1.202	0.160	22.4
Ant10 Test Record chain1												
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 Set4												
Left cheek	802.11b	1/2412	98.23%	1.018	0.008	0.005	0.03	14.29	15.00	1.178	0.010	22.4
Left tilted	802.11b	1/2412	98.23%	1.018	0.042	0.010	-0.03	14.29	15.00	1.178	0.050	22.4
Right cheek	802.11b	1/2412	98.23%	1.018	0.002	0.002	0.03	14.29	15.00	1.178	0.002	22.4
Right tilted	802.11b	1/2412	98.23%	1.018	0.001	0.001	0.04	14.29	15.00	1.178	0.001	22.4
Head Test Data Set5												
Left cheek	802.11b	1/2412	98.23%	1.018	0.008	0.005	0.03	14.29	12.00	0.590	0.005	22.4
Left tilted	802.11b	1/2412	98.23%	1.018	0.042	0.010	-0.03	14.29	12.00	0.590	0.025	22.4
Right cheek	802.11b	1/2412	98.23%	1.018	0.002	0.002	0.03	14.29	12.00	0.590	0.001	22.4
Right tilted	802.11b	1/2412	98.23%	1.018	0.001	0.001	0.04	14.29	12.00	0.590	0.001	22.4
Body worn&Hotspot Test data (Separate 10mm) Set0												
Front side	802.11b	1/2412	98.23%	1.018	0.030	0.010	0.02	18.25	19.00	1.189	0.036	22.4
Back side	802.11b	1/2412	98.23%	1.018	0.127	0.055	-0.02	18.25	19.00	1.189	0.154	22.4
Right side	802.11b	1/2412	98.23%	1.018	0.069	0.034	-0.13	18.25	19.00	1.189	0.083	22.4
Top side	802.11b	1/2412	98.23%	1.018	0.005	0.002	-0.01	18.25	19.00	1.189	0.006	22.4



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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 Set4												
Left cheek	802.11b	1/2412	98.23%	1.018	0.549	0.280	0.04	16.97	17.50	1.130	<b>0.631</b>	22.4
Left tilted	802.11b	1/2412	98.23%	1.018	0.362	0.183	0.09	16.97	17.50	1.130	0.416	22.4
Right cheek	802.11b	1/2412	98.23%	1.018	0.174	0.109	-0.05	16.97	17.50	1.130	0.200	22.4
Right tilted	802.11b	1/2412	98.23%	1.018	0.135	0.075	-0.17	16.97	17.50	1.130	0.155	22.4
Head Test Data Set5												
Left cheek	802.11b	1/2412	98.23%	1.018	0.549	0.280	0.04	16.97	14.50	0.566	0.316	22.4
Left tilted	802.11b	1/2412	98.23%	1.018	0.362	0.183	0.09	16.97	14.50	0.566	0.209	22.4
Right cheek	802.11b	1/2412	98.23%	1.018	0.174	0.109	-0.05	16.97	14.50	0.566	0.100	22.4
Right tilted	802.11b	1/2412	98.23%	1.018	0.135	0.075	-0.17	16.97	14.50	0.566	0.078	22.4
Body worn&Hotspot Test data (Separate 10mm) Set0												
Front side	802.11b	1/2412	98.23%	1.018	0.340	0.185	0.10	21.01	21.50	1.119	0.387	22.4
Back side	802.11b	1/2412	98.23%	1.018	0.584	0.297	-0.01	21.01	21.50	1.119	<b>0.666</b>	22.4
Right side	802.11b	1/2412	98.23%	1.018	0.003	0.002	-0.08	21.01	21.50	1.119	0.003	22.4
Top side	802.11b	1/2412	98.23%	1.018	0.005	0.004	0.01	21.01	21.50	1.119	0.006	22.4
Body worn&Hotspot Test data (Separate 10mm) Set2												
Front side	802.11b	1/2412	98.23%	1.018	0.340	0.185	0.10	21.01	20.00	0.793	0.274	22.4
Back side	802.11b	1/2412	98.23%	1.018	0.584	0.297	-0.01	21.01	20.00	0.793	0.471	22.4
Right side	802.11b	1/2412	98.23%	1.018	0.003	0.002	-0.08	21.01	20.00	0.793	0.002	22.4
Top side	802.11b	1/2412	98.23%	1.018	0.005	0.004	0.01	21.01	20.00	0.793	0.004	22.4

(for original report SZCR240300076714)

Wi-Fi 2.4G SAR Test Record												
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)
Body worn&Hotspot Test data (Separate 10mm) Set0												
Back side	802.11b	1/2412	98.23%	1.018	0.665	0.355	0.05	21.01	21.50	1.119	<b>0.758</b>	22.4

(for new report SZCR250500221411)



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**9.2.38 SAR Result of WIFI 5G**

Wi-Fi 5G SAR Test Record													
Ant9 Test Record chain1													
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 Set4													
Left cheek	802.11n 40M	54/5270	99.69%	1.003	0.890	0.264	-0.03	17.72	18.00	1.067	<b>0.952</b>	22.2	
Left tilted	802.11n 40M	54/5270	99.69%	1.003	0.852	0.262	0.01	17.72	18.00	1.067	0.912	22.2	
Right cheek	802.11n 40M	54/5270	99.69%	1.003	0.297	0.102	0.13	17.72	18.00	1.067	0.318	22.2	
Right tilted	802.11n 40M	54/5270	99.69%	1.003	0.392	0.129	-0.17	17.72	18.00	1.067	0.419	22.2	
Head Test Data of U-NII-2C Set4													
Left cheek	802.11ac 80M	138/5690	99.69%	1.003	0.538	0.169	-0.10	17.96	19.00	1.271	0.686	22.2	
Left tilted	802.11ac 80M	138/5690	99.69%	1.003	0.420	0.131	0.15	17.96	19.00	1.271	0.535	22.2	
Right cheek	802.11ac 80M	138/5690	99.69%	1.003	0.139	0.049	-0.13	17.96	19.00	1.271	0.177	22.2	
Right tilted	802.11ac 80M	138/5690	99.69%	1.003	0.183	0.065	0.18	17.96	19.00	1.271	0.233	22.2	
Head Test Data of U-NII-3 Set4													
Left cheek	802.11ac 80M	155/5775	99.69%	1.003	0.405	0.136	-0.10	17.98	19.00	1.265	0.514	22.2	
Left tilted	802.11ac 80M	155/5775	99.69%	1.003	0.364	0.113	0.15	17.98	19.00	1.265	0.462	22.2	
Right cheek	802.11ac 80M	155/5775	99.69%	1.003	0.133	0.051	0.16	17.98	19.00	1.265	0.169	22.2	
Right tilted	802.11ac 80M	155/5775	99.69%	1.003	0.127	0.049	-0.10	17.98	19.00	1.265	0.161	22.2	
Head Test Data of U-NII-2A Set5													
Left cheek	802.11n 40M	54/5270	99.69%	1.003	0.890	0.288	-0.03	17.72	14.50	0.476	0.425	22.2	
Left tilted	802.11n 40M	54/5270	99.69%	1.003	0.852	0.262	0.01	17.72	14.50	0.476	0.407	22.2	
Right cheek	802.11n 40M	54/5270	99.69%	1.003	0.297	0.102	0.13	17.72	14.50	0.476	0.142	22.2	
Right tilted	802.11n 40M	54/5270	99.69%	1.003	0.392	0.129	-0.17	17.72	14.50	0.476	0.187	22.2	
Head Test Data of U-NII-2C Set5													
Left cheek	802.11ac 80M	138/5690	99.69%	1.003	0.538	0.169	-0.10	17.96	15.50	0.568	0.306	22.2	
Left tilted	802.11ac 80M	138/5690	99.69%	1.003	0.420	0.131	0.15	17.96	15.50	0.568	0.239	22.2	
Right cheek	802.11ac 80M	138/5690	99.69%	1.003	0.139	0.049	-0.13	17.96	15.50	0.568	0.079	22.2	
Right tilted	802.11ac 80M	138/5690	99.69%	1.003	0.183	0.065	0.18	17.96	15.50	0.568	0.104	22.2	
Head Test Data of U-NII-3 Set5													
Left cheek	802.11ac 80M	155/5775	99.69%	1.003	0.405	0.136	-0.10	17.98	15.50	0.565	0.230	22.2	
Left tilted	802.11ac 80M	155/5775	99.69%	1.003	0.364	0.113	0.15	17.98	15.50	0.565	0.206	22.2	
Right cheek	802.11ac 80M	155/5775	99.69%	1.003	0.133	0.051	0.16	17.98	15.50	0.565	0.075	22.2	
Right tilted	802.11ac 80M	155/5775	99.69%	1.003	0.127	0.049	-0.10	17.98	15.50	0.565	0.072	22.2	
Body worn Test data of U-NII-2A (Separate 10mm) Set0													
Front side	802.11n 40M	54/5270	99.69%	1.003	0.131	0.052	0.04	17.72	18.00	1.067	0.140	22.4	
Back side	802.11n 40M	54/5270	99.69%	1.003	0.289	0.124	0.11	17.72	18.00	1.067	0.309	22.4	
Body worn Test data of U-NII-2C (Separate 10mm) Set0													
Front side	802.11ac 80M	138/5690	99.69%	1.003	0.088	0.036	-0.19	17.96	19.00	1.271	0.112	22.4	
Back side	802.11ac 80M	138/5690	99.69%	1.003	0.122	0.053	0.00	17.96	19.00	1.271	0.155	22.4	
Body worn&Hotspot Test data of U-NII-1 (Separate 10mm) Set0													
Front side	802.11n 40M	46/5230	99.69%	1.003	0.196	0.074	-0.07	17.65	18.00	1.084	0.213	22.4	



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Back side	802.11n 40M	46/5230	99.69%	1.003	0.406	0.157	0.03	17.65	18.00	1.084	0.441	22.4
Right side	802.11n 40M	46/5230	99.69%	1.003	0.256	0.103	0.07	17.65	18.00	1.084	0.278	22.4
Top side	802.11n 40M	46/5230	99.69%	1.003	0.250	0.100	-0.16	17.65	18.00	1.084	0.272	22.4
Body worn&Hotspot Test data of U-NII-3 (Separate 10mm) Set0												
Front side	802.11ac 80M	155/5775	99.69%	1.003	0.111	0.041	0.03	17.98	19.00	1.265	0.141	22.4
Back side	802.11ac 80M	155/5775	99.69%	1.003	0.126	0.049	-0.17	17.98	19.00	1.265	0.160	22.4
Right side	802.11ac 80M	155/5775	99.69%	1.003	0.178	0.072	0.03	17.98	19.00	1.265	0.226	22.4
Top side	802.11ac 80M	155/5775	99.69%	1.003	0.106	0.040	-0.07	17.98	19.00	1.265	0.134	22.4
Body worn Test data of U-NII-2A (Separate 10mm) Set2												
Front side	802.11n 40M	54/5270	99.69%	1.003	0.131	0.052	0.04	17.72	15.00	0.535	0.070	22.4
Back side	802.11n 40M	54/5270	99.69%	1.003	0.289	0.124	0.11	17.72	15.00	0.535	0.155	22.4
Body worn Test data of U-NII-2C (Separate 10mm) Set2												
Front side	802.11ac 80M	138/5690	99.69%	1.003	0.088	0.036	-0.19	17.96	16.00	0.637	0.056	22.4
Back side	802.11ac 80M	138/5690	99.69%	1.003	0.122	0.053	0.00	17.96	16.00	0.637	0.078	22.4
Body worn&Hotspot Test data of U-NII-1 (Separate 10mm) Set2												
Front side	802.11n 40M	46/5230	99.69%	1.003	0.196	0.074	-0.07	17.65	16.00	0.684	0.134	22.4
Back side	802.11n 40M	46/5230	99.69%	1.003	0.406	0.157	0.03	17.65	16.00	0.684	0.279	22.4
Right side	802.11n 40M	46/5230	99.69%	1.003	0.256	0.103	0.07	17.65	16.00	0.684	0.176	22.4
Top side	802.11n 40M	46/5230	99.69%	1.003	0.250	0.100	-0.16	17.65	16.00	0.684	0.172	22.4
Body worn&Hotspot Test data of U-NII-3 (Separate 10mm) Set2												
Front side	802.11ac 80M	155/5775	99.69%	1.003	0.111	0.041	0.03	17.98	16.00	0.634	0.071	22.4
Back side	802.11ac 80M	155/5775	99.69%	1.003	0.126	0.049	-0.17	17.98	16.00	0.634	0.080	22.4
Right side	802.11ac 80M	155/5775	99.69%	1.003	0.178	0.072	0.03	17.98	16.00	0.634	0.113	22.4
Top side	802.11ac 80M	155/5775	99.69%	1.003	0.106	0.040	-0.07	17.98	16.00	0.634	0.067	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-2A (Separate 0mm) Set0												
Front side	802.11n 40M	54/5270	99.69%	1.003	1.890	0.524	0.00	17.72	18.00	1.067	0.561	22.4
Back side	802.11n 40M	54/5270	99.69%	1.003	2.620	0.780	-0.12	17.72	18.00	1.067	0.835	22.4
Right side	802.11n 40M	54/5270	99.69%	1.003	2.130	0.619	0.10	17.72	18.00	1.067	0.662	22.4
Top side	802.11n 40M	54/5270	99.69%	1.003	2.630	0.650	0.02	17.72	18.00	1.067	0.695	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) Set0												
Front side	802.11ac 80M	138/5690	99.69%	1.003	0.953	0.294	0.11	17.96	19.00	1.271	0.375	22.4
Back side	802.11ac 80M	138/5690	99.69%	1.003	1.220	0.393	-0.07	17.96	19.00	1.271	0.501	22.4
Right side	802.11ac 80M	138/5690	99.69%	1.003	2.240	0.662	-0.16	17.96	19.00	1.271	0.844	22.4
Top side	802.11ac 80M	138/5690	99.69%	1.003	0.776	0.208	0.05	17.96	19.00	1.271	0.265	22.4
Ant10 Test Record chain2												
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 Set4												
Left cheek	802.11a	56/5280	99.20%	1.008	0.154	0.048	0.01	18.68	19.00	1.076	0.167	22.2
Left tilted	802.11a	56/5280	99.20%	1.008	0.138	0.045	0.12	18.68	19.00	1.076	0.150	22.2



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Right cheek	802.11a	56/5280	99.20%	1.008	0.100	0.041	-0.17	18.68	19.00	1.076	0.109	22.2
Right tilted	802.11a	56/5280	99.20%	1.008	0.082	0.034	-0.13	18.68	19.00	1.076	0.089	22.2
Head Test Data of U-NII-2C Set4												
Left cheek	802.11a	144/5720	99.20%	1.008	0.100	0.025	-0.08	18.81	19.00	1.045	0.105	22.2
Left tilted	802.11a	144/5720	99.20%	1.008	0.116	0.029	0.08	18.81	19.00	1.045	0.122	22.2
Right cheek	802.11a	144/5720	99.20%	1.008	0.051	0.019	0.15	18.81	19.00	1.045	0.054	22.2
Right tilted	802.11a	144/5720	99.20%	1.008	0.060	0.020	-0.12	18.81	19.00	1.045	0.063	22.2
Head Test Data of U-NII-3 Set4												
Left cheek	802.11a	153/5765	99.20%	1.008	0.113	0.028	-0.02	18.82	19.00	1.042	0.119	22.2
Left tilted	802.11a	153/5765	99.20%	1.008	0.100	0.028	0.15	18.82	19.00	1.042	0.105	22.2
Right cheek	802.11a	153/5765	99.20%	1.008	0.060	0.013	0.12	18.82	19.00	1.042	0.063	22.2
Right tilted	802.11a	153/5765	99.20%	1.008	0.080	0.024	-0.09	18.82	19.00	1.042	0.084	22.2
Body worn Test data of U-NII-2A (Separate 10mm) Set0												
Front side	802.11a	56/5280	99.20%	1.008	0.058	0.013	-0.19	18.68	19.00	1.076	0.063	22.4
Back side	802.11a	56/5280	99.20%	1.008	0.250	0.091	-0.02	18.68	19.00	1.076	0.271	22.4
Body worn Test data of U-NII-2C (Separate 10mm) Set0												
Front side	802.11a	144/5720	99.20%	1.008	0.079	0.018	0.14	18.81	19.00	1.045	0.083	22.4
Back side	802.11a	144/5720	99.20%	1.008	0.212	0.081	-0.11	18.81	19.00	1.045	0.223	22.4
Body worn&Hotspot Test data of U-NII-1 (Separate 10mm) Set0												
Front side	802.11a	44/5220	99.20%	1.008	0.084	0.020	0.16	18.89	19.00	1.026	0.087	22.4
Back side	802.11a	44/5220	99.20%	1.008	0.373	0.126	-0.13	18.89	19.00	1.026	0.386	22.4
Right side	802.11a	44/5220	99.20%	1.008	0.230	0.092	-0.11	18.89	19.00	1.026	0.238	22.4
Top side	802.11a	44/5220	99.20%	1.008	0.074	0.027	-0.05	18.89	19.00	1.026	0.077	22.4
Body worn&Hotspot Test data of U-NII-3 (Separate 10mm) Set0												
Front side	802.11a	153/5765	99.20%	1.008	0.060	0.015	-0.12	18.82	19.00	1.042	0.063	22.4
Back side	802.11a	153/5765	99.20%	1.008	0.261	0.089	0.15	18.82	19.00	1.042	0.274	22.4
Right side	802.11a	153/5765	99.20%	1.008	0.079	0.021	0.07	18.82	19.00	1.042	0.083	22.4
Top side	802.11a	153/5765	99.20%	1.008	0.093	0.022	-0.10	18.82	19.00	1.042	0.098	22.4
Body worn Test data of U-NII-2A (Separate 10mm) Set2												
Front side	802.11a	56/5280	99.20%	1.008	0.058	0.013	-0.19	18.68	16.00	0.540	0.032	22.4
Back side	802.11a	56/5280	99.20%	1.008	0.250	0.091	-0.02	18.68	16.00	0.540	0.136	22.4
Body worn Test data of U-NII-2C (Separate 10mm) Set2												
Front side	802.11a	144/5720	99.20%	1.008	0.079	0.018	0.14	18.81	16.00	0.524	0.042	22.4
Back side	802.11a	144/5720	99.20%	1.008	0.212	0.081	-0.11	18.81	16.00	0.524	0.112	22.4
Body worn&Hotspot Test data of U-NII-1 (Separate 10mm) Set2												
Front side	802.11a	44/5220	99.20%	1.008	0.084	0.020	0.16	18.89	16.00	0.514	0.044	22.4
Back side	802.11a	44/5220	99.20%	1.008	0.373	0.126	-0.13	18.89	16.00	0.514	0.193	22.4
Right side	802.11a	44/5220	99.20%	1.008	0.230	0.092	-0.11	18.89	16.00	0.514	0.119	22.4
Top side	802.11a	44/5220	99.20%	1.008	0.074	0.027	-0.05	18.89	16.00	0.514	0.038	22.4
Body worn&Hotspot Test data of U-NII-3 (Separate 10mm) Set2												
Front side	802.11a	153/5765	99.20%	1.008	0.060	0.015	-0.12	18.82	16.00	0.522	0.032	22.4
Back side	802.11a	153/5765	99.20%	1.008	0.261	0.089	0.15	18.82	16.00	0.522	0.137	22.4
Right side	802.11a	153/5765	99.20%	1.008	0.079	0.021	0.07	18.82	16.00	0.522	0.042	22.4
Top side	802.11a	153/5765	99.20%	1.008	0.093	0.022	-0.10	18.82	16.00	0.522	0.049	22.4



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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) Set0												
Front side	802.11a	56/5280	99.20%	1.008	0.357	0.109	0.01	18.68	19.00	1.076	0.118	22.4
Back side	802.11a	56/5280	99.20%	1.008	2.910	0.719	0.02	18.68	19.00	1.076	0.780	22.4
Right side	802.11a	56/5280	99.20%	1.008	0.709	0.237	-0.14	18.68	19.00	1.076	0.257	22.4
Top side	802.11a	56/5280	99.20%	1.008	0.201	0.069	0.08	18.68	19.00	1.076	0.075	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) Set0												
Front side	802.11a	144/5720	99.20%	1.008	0.093	0.030	0.02	18.81	19.00	1.045	0.032	22.4
Back side	802.11a	144/5720	99.20%	1.008	2.150	0.674	0.06	18.81	19.00	1.045	0.710	22.4
Right side	802.11a	144/5720	99.20%	1.008	0.502	0.129	0.17	18.81	19.00	1.045	0.136	22.4
Top side	802.11a	144/5720	99.20%	1.008	0.106	0.039	-0.09	18.81	19.00	1.045	0.041	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 Set4												
Left cheek	802.11a	56/5280	99.20%	1.008	0.634	0.199	-0.17	20.97	22.00	1.268	0.810	22.2
Left tilted	802.11a	56/5280	99.20%	1.008	0.561	0.175	0.13	20.97	22.00	1.268	0.717	22.2
Right cheek	802.11a	56/5280	99.20%	1.008	0.181	0.055	-0.03	20.97	22.00	1.268	0.231	22.2
Right tilted	802.11a	56/5280	99.20%	1.008	0.247	0.089	-0.11	20.97	22.00	1.268	0.316	22.2
Left cheek	802.11a	52/5260	99.20%	1.008	0.557	0.159	-0.13	20.91	22.00	1.285	0.722	22.2
Head Test Data of U-NII-2C Set4												
Left cheek	802.11a	140/5700	99.20%	1.008	0.285	0.094	0.08	20.99	22.00	1.262	0.363	22.2
Left tilted	802.11a	140/5700	99.20%	1.008	0.214	0.068	-0.01	20.99	22.00	1.262	0.272	22.2
Right cheek	802.11a	140/5700	99.20%	1.008	0.106	0.041	0.18	20.99	22.00	1.262	0.135	22.2
Right tilted	802.11a	140/5700	99.20%	1.008	0.099	0.037	0.14	20.99	22.00	1.262	0.126	22.2
Head Test Data of U-NII-3 Set4												
Left cheek	802.11a	153/5765	99.20%	1.008	0.272	0.093	0.02	20.99	22.00	1.262	0.346	22.2
Left tilted	802.11a	153/5765	99.20%	1.008	0.217	0.070	0.16	20.99	22.00	1.262	0.276	22.2
Right cheek	802.11a	153/5765	99.20%	1.008	0.098	0.040	0.05	20.99	22.00	1.262	0.125	22.2
Right tilted	802.11a	153/5765	99.20%	1.008	0.102	0.041	0.10	20.99	22.00	1.262	0.130	22.2
Head Test Data of U-NII-2A Set5												
Left cheek	802.11a	56/5280	99.20%	1.008	0.634	0.199	-0.17	20.97	18.50	0.566	0.362	22.2
Left tilted	802.11a	56/5280	99.20%	1.008	0.561	0.175	0.13	20.97	18.50	0.566	0.320	22.2
Right cheek	802.11a	56/5280	99.20%	1.008	0.181	0.055	-0.03	20.97	18.50	0.566	0.103	22.2
Right tilted	802.11a	56/5280	99.20%	1.008	0.247	0.089	-0.11	20.97	18.50	0.566	0.141	22.2
Left cheek	802.11a	52/5260	99.20%	1.008	0.557	0.159	-0.13	20.91	18.50	0.574	0.322	22.2
Head Test Data of U-NII-2C Set5												
Left cheek	802.11a	140/5700	99.20%	1.008	0.285	0.094	0.08	20.99	18.50	0.564	0.162	22.2
Left tilted	802.11a	140/5700	99.20%	1.008	0.214	0.068	-0.01	20.99	18.50	0.564	0.122	22.2
Right cheek	802.11a	140/5700	99.20%	1.008	0.106	0.041	0.18	20.99	18.50	0.564	0.060	22.2
Right tilted	802.11a	140/5700	99.20%	1.008	0.099	0.037	0.14	20.99	18.50	0.564	0.056	22.2



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Head Test Data of U-NII-3 Set5												
Left cheek	802.11a	153/5765	99.20%	1.008	0.272	0.093	0.02	20.99	18.50	0.564	0.155	22.2
Left tilted	802.11a	153/5765	99.20%	1.008	0.217	0.070	0.16	20.99	18.50	0.564	0.123	22.2
Right cheek	802.11a	153/5765	99.20%	1.008	0.098	0.040	0.05	20.99	18.50	0.564	0.056	22.2
Right tilted	802.11a	153/5765	99.20%	1.008	0.102	0.041	0.10	20.99	18.50	0.564	0.058	22.2
Body worn Test data of U-NII-2A (Separate 10mm) Set0												
Front side	802.11a	56/5280	99.20%	1.008	0.098	0.040	0.02	20.97	22.00	1.268	0.125	22.4
Back side	802.11a	56/5280	99.20%	1.008	0.392	0.154	-0.11	20.97	22.00	1.268	0.501	22.4
Body worn Test data of U-NII-2C (Separate 10mm) Set0												
Front side	802.11a	140/5700	99.20%	1.008	0.097	0.023	0.03	20.99	22.00	1.262	0.123	22.4
Back side	802.11a	140/5700	99.20%	1.008	0.238	0.091	0.03	20.99	22.00	1.262	0.303	22.4
Body worn&Hotspot Test data of U-NII-1 (Separate 10mm) Set0												
Front side	802.11a	40/5200	99.20%	1.008	0.157	0.061	0.02	21.00	22.00	1.259	0.199	22.4
Back side	802.11a	40/5200	99.20%	1.008	0.494	0.113	0.04	21.00	22.00	1.259	<b>0.627</b>	22.4
Right side	802.11a	40/5200	99.20%	1.008	0.302	0.128	-0.14	21.00	22.00	1.259	0.383	22.4
Top side	802.11a	40/5200	99.20%	1.008	0.202	0.078	-0.02	21.00	22.00	1.259	0.256	22.4
Body worn&Hotspot Test data of U-NII-3 (Separate 10mm) Set0												
Front side	802.11a	153/5765	99.20%	1.008	0.076	0.029	-0.10	20.99	22.00	1.262	0.097	22.4
Back side	802.11a	153/5765	99.20%	1.008	0.281	0.099	0.18	20.99	22.00	1.262	0.357	22.4
Right side	802.11a	153/5765	99.20%	1.008	0.155	0.064	-0.05	20.99	22.00	1.262	0.197	22.4
Top side	802.11a	153/5765	99.20%	1.008	0.104	0.039	0.03	20.99	22.00	1.262	0.132	22.4
Body worn Test data of U-NII-2A (Separate 10mm) Set2												
Front side	802.11a	56/5280	99.20%	1.008	0.098	0.040	0.02	20.97	19.00	0.635	0.063	22.4
Back side	802.11a	56/5280	99.20%	1.008	0.392	0.154	-0.11	20.97	19.00	0.635	0.251	22.4
Body worn Test data of U-NII-2C (Separate 10mm) Set2												
Front side	802.11a	140/5700	99.20%	1.008	0.097	0.023	0.03	20.99	19.00	0.632	0.062	22.4
Back side	802.11a	140/5700	99.20%	1.008	0.238	0.091	0.03	20.99	19.00	0.632	0.152	22.4
Body worn&Hotspot Test data of U-NII-1 (Separate 10mm) Set2												
Front side	802.11a	40/5200	99.20%	1.008	0.157	0.061	0.02	21.00	19.00	0.631	0.100	22.4
Back side	802.11a	40/5200	99.20%	1.008	0.494	0.113	0.04	21.00	19.00	0.631	0.314	22.4
Right side	802.11a	40/5200	99.20%	1.008	0.302	0.128	-0.14	21.00	19.00	0.631	0.192	22.4
Top side	802.11a	40/5200	99.20%	1.008	0.202	0.078	-0.02	21.00	19.00	0.631	0.128	22.4
Body worn&Hotspot Test data of U-NII-3 (Separate 10mm) Set2												
Front side	802.11a	153/5765	99.20%	1.008	0.076	0.029	-0.10	20.99	19.00	0.632	0.048	22.4
Back side	802.11a	153/5765	99.20%	1.008	0.281	0.099	0.18	20.99	19.00	0.632	0.179	22.4
Right side	802.11a	153/5765	99.20%	1.008	0.155	0.064	-0.05	20.99	19.00	0.632	0.099	22.4
Top side	802.11a	153/5765	99.20%	1.008	0.104	0.039	0.03	20.99	19.00	0.632	0.066	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-2A (Separate 0mm) Set0												
Front side	802.11a	56/5280	99.20%	1.008	1.080	0.332	-0.02	20.97	22.00	1.268	0.424	22.4
Back side	802.11a	56/5280	99.20%	1.008	3.480	1.030	0.00	20.97	22.00	1.268	<b>1.316</b>	22.4
Right side	802.11a	56/5280	99.20%	1.008	1.410	0.509	-0.13	20.97	22.00	1.268	0.650	22.4



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Top side	802.11a	56/5280	99.20%	1.008	1.320	0.371	-0.19	20.97	22.00	1.268	0.474	22.4
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm) Set0												
Front side	802.11a	140/5700	99.20%	1.008	0.567	0.183	0.01	20.99	22.00	1.262	0.233	22.4
Back side	802.11a	140/5700	99.20%	1.008	2.610	0.810	0.08	20.99	22.00	1.262	1.030	22.4
Right side	802.11a	140/5700	99.20%	1.008	1.190	0.380	-0.07	20.99	22.00	1.262	0.483	22.4
Top side	802.11a	140/5700	99.20%	1.008	0.347	0.106	-0.01	20.99	22.00	1.262	0.135	22.4

(for original report SZCR240300076714)

Wi-Fi 5G SAR Test Record												
Ant9 Test Record chain1												
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 Set4												
Left cheek	802.11n 40M	54/5270	99.69%	1.003	0.812	0.227	-0.06	17.72	18.00	1.067	0.869	22.2
Left cheek	802.11n 40M	54/5270	99.69%	1.003	0.806	0.216	0.07	17.72	18.00	1.067	0.862	22.2
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) Set0												
Back side	802.11a	56/5280	99.20%	1.008	2.600	0.721	0.09	20.97	22.00	1.268	0.921	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 <sup>st</sup> Repeated	Ratio	2 <sup>nd</sup> Repeated	3 <sup>rd</sup> Repeated
Left cheek	54/5270	0.812	0.806	1.007	N/A	N/A

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

(for new report SZCR250500221411)



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**9.2.39 SAR Result of WIFI 6E**

Wi-Fi 6E SAR Test Record													
Ant9 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)	APD W/m <sup>2</sup> (4cm <sup>2</sup> )	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data Set4													
Left cheek	802.11ax 160M	47/6185	99.71%	1.003	0.213	0.077	0.08	1.405	15.88	16.00	1.028	0.220	22.1
Left tilted	802.11ax 160M	47/6185	99.71%	1.003	0.186	0.066	0.11	1.227	15.88	16.00	1.028	0.192	22.1
Right cheek	802.11ax 160M	47/6185	99.71%	1.003	0.105	0.038	0.04	0.693	15.88	16.00	1.028	0.108	22.1
Right tilted	802.11ax 160M	47/6185	99.71%	1.003	0.114	0.040	-0.08	0.752	15.88	16.00	1.028	0.118	22.1
Left cheek	802.11ax 160M	15/6025	99.71%	1.003	0.335	0.095	-0.07	2.210	15.84	16.00	1.038	0.349	22.1
Left cheek	802.11ax 160M	111/6505	99.71%	1.003	0.265	0.060	0.14	1.748	15.10	16.00	1.230	0.327	22.1
Left cheek	802.11ax 160M	143/6665	99.71%	1.003	0.296	0.067	-0.13	1.953	15.32	16.00	1.169	0.347	22.1
Left cheek	802.11ax 160M	207/6985	99.71%	1.003	0.217	0.063	-0.07	1.460	15.06	16.00	1.242	0.270	22.1
Body worn Test data of (Separate 10mm) Set0													
Front side	802.11ax 160M	47/6185	99.71%	1.003	0.091	0.022	-0.16	0.697	10.88	11.00	1.028	0.094	22.1
Back side	802.11ax 160M	47/6185	99.71%	1.003	0.120	0.047	-0.11	0.919	10.88	11.00	1.028	0.124	22.1
Back side	802.11ax 160M	15/6025	99.71%	1.003	0.104	0.043	-0.09	0.953	10.84	11.00	1.038	0.108	22.1
Back side	802.11ax 160M	111/6505	99.71%	1.003	0.183	0.049	0.01	1.402	10.11	11.00	1.227	0.225	22.1
Back side	802.11ax 160M	143/6665	99.71%	1.003	0.204	0.055	0.10	1.563	10.30	11.00	1.175	0.240	22.1
Back side	802.11ax 160M	207/6985	99.71%	1.003	0.231	0.078	0.06	1.770	10.03	11.00	1.250	0.290	22.1
Body worn Test data of (Separate 10mm) Set0													
Front side	802.11ax 160M	47/6185	99.71%	1.003	0.091	0.022	-0.16	0.697	10.88	9.00	0.649	0.059	22.1
Back side	802.11ax 160M	47/6185	99.71%	1.003	0.120	0.047	-0.11	0.919	10.88	9.00	0.649	0.078	22.1
Back side	802.11ax 160M	15/6025	99.71%	1.003	0.104	0.043	-0.09	0.953	10.84	9.00	0.655	0.068	22.1
Back side	802.11ax 160M	111/6505	99.71%	1.003	0.183	0.049	0.01	1.402	10.11	9.00	0.774	0.142	22.1
Back side	802.11ax 160M	143/6665	99.71%	1.003	0.204	0.055	0.10	1.563	10.30	9.00	0.741	0.152	22.1
Back side	802.11ax 160M	207/6985	99.71%	1.003	0.231	0.078	0.06	1.770	10.03	9.00	0.789	0.183	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)	APD W/m <sup>2</sup> (4cm <sup>2</sup> )	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of (Separate 0mm) Set0													
Front side	802.11ax 160M	47/6185	99.71%	1.003	0.723	0.221	-0.13	4.139	10.88	11.00	1.028	0.228	22.1
Back side	802.11ax 160M	47/6185	99.71%	1.003	1.040	0.232	0.05	5.540	10.88	11.00	1.028	0.239	22.1
Right side	802.11ax 160M	47/6185	99.71%	1.003	0.775	0.216	-0.01	5.020	10.88	11.00	1.028	0.223	22.1
Top side	802.11ax 160M	47/6185	99.71%	1.003	0.409	0.128	0.13	2.341	10.88	11.00	1.028	0.132	22.1
Back side	802.11ax 160M	15/6025	99.71%	1.003	1.090	0.263	0.09	6.240	10.84	11.00	1.038	0.274	22.1
Back side	802.11ax 160M	111/6505	99.71%	1.003	0.864	0.168	0.08	4.090	10.11	11.00	1.227	0.207	22.1
Back side	802.11ax 160M	143/6665	99.71%	1.003	0.965	0.187	0.03	4.540	10.30	11.00	1.175	0.220	22.1
Back side	802.11ax 160M	207/6985	99.71%	1.003	1.040	0.201	0.04	4.890	10.03	11.00	1.250	0.252	22.1



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