

n78	30	60	651332	162@0	DFT_BPSK	23.00	22.91	PASS
n78	30	60	651332	81@40	DFT_BPSK	23.50	23.26	PASS
n78	30	60	651332	1@1	DFT_BPSK	23.00	22.95	PASS
n78	30	60	651332	1@160	DFT_BPSK	24.00	23.94	PASS
n78	30	60	651332	162@0	DFT_QPSK	22.50	22.42	PASS
n78	30	60	651332	81@40	DFT_QPSK	23.50	23.27	PASS
n78	30	60	651332	1@1	DFT_QPSK	23.00	22.99	PASS
n78	30	60	651332	1@160	DFT_QPSK	24.00	24.00	PASS
n78	30	60	651332	162@0	DFT_16QAM	21.50	21.45	PASS
n78	30	60	651332	81@40	DFT_16QAM	22.50	22.29	PASS
n78	30	60	651332	1@1	DFT_16QAM	22.50	22.07	PASS
n78	30	60	651332	1@160	DFT_16QAM	23.50	23.04	PASS
n78	30	60	651332	162@0	DFT_64QAM	21.00	20.97	PASS
n78	30	60	651332	81@40	DFT_64QAM	21.00	20.86	PASS
n78	30	60	651332	1@1	DFT_64QAM	20.50	20.46	PASS
n78	30	60	651332	1@160	DFT_64QAM	22.00	21.55	PASS
n78	30	60	651332	162@0	DFT_256QAM	19.00	18.97	PASS
n78	30	60	651332	81@40	DFT_256QAM	19.00	18.85	PASS
n78	30	60	651332	1@1	DFT_256QAM	19.00	18.74	PASS
n78	30	60	651332	1@160	DFT_256QAM	20.00	19.69	PASS
n78	30	60	651332	162@0	CP_QPSK	20.50	20.40	PASS
n78	30	60	651332	81@40	CP_QPSK	22.00	21.80	PASS
n78	30	60	651332	1@1	CP_QPSK	21.50	21.42	PASS
n78	30	60	651332	1@160	CP_QPSK	22.50	22.43	PASS
n78	30	60	651332	162@0	CP_16QAM	20.50	20.44	PASS
n78	30	60	651332	81@40	CP_16QAM	21.50	21.28	PASS
n78	30	60	651332	1@1	CP_16QAM	21.00	20.97	PASS
n78	30	60	651332	1@160	CP_16QAM	22.00	21.89	PASS
n78	30	60	651332	162@0	CP_64QAM	20.00	19.97	PASS
n78	30	60	651332	81@40	CP_64QAM	20.00	19.84	PASS
n78	30	60	651332	1@1	CP_64QAM	20.00	19.60	PASS
n78	30	60	651332	1@160	CP_64QAM	21.00	20.56	PASS
n78	30	60	651332	162@0	CP_256QAM	17.00	16.86	PASS
n78	30	60	651332	81@40	CP_256QAM	17.00	16.72	PASS
n78	30	60	651332	1@1	CP_256QAM	17.00	16.58	PASS
n78	30	60	651332	1@160	CP_256QAM	18.00	17.57	PASS
n78	30	70	632334	180@0	DFT_BPSK	22.50	22.47	PASS
n78	30	70	632334	90@45	DFT_BPSK	23.00	22.85	PASS

n78	30	70	632334	1@1	DFT_BPSK	23.00	22.69	PASS
n78	30	70	632334	1@187	DFT_BPSK	23.50	23.22	PASS
n78	30	70	632334	180@0	DFT_QPSK	22.00	21.99	PASS
n78	30	70	632334	90@45	DFT_QPSK	23.00	22.85	PASS
n78	30	70	632334	1@1	DFT_QPSK	23.00	22.75	PASS
n78	30	70	632334	1@187	DFT_QPSK	23.50	23.28	PASS
n78	30	70	632334	180@0	DFT_16QAM	21.50	21.01	PASS
n78	30	70	632334	90@45	DFT_16QAM	22.00	21.87	PASS
n78	30	70	632334	1@1	DFT_16QAM	22.00	21.83	PASS
n78	30	70	632334	1@187	DFT_16QAM	22.50	22.34	PASS
n78	30	70	632334	180@0	DFT_64QAM	21.00	20.52	PASS
n78	30	70	632334	90@45	DFT_64QAM	20.50	20.38	PASS
n78	30	70	632334	1@1	DFT_64QAM	20.50	20.27	PASS
n78	30	70	632334	1@187	DFT_64QAM	21.00	20.78	PASS
n78	30	70	632334	180@0	DFT_256QAM	19.00	18.52	PASS
n78	30	70	632334	90@45	DFT_256QAM	18.50	18.41	PASS
n78	30	70	632334	1@1	DFT_256QAM	18.50	18.50	PASS
n78	30	70	632334	1@187	DFT_256QAM	19.00	19.00	PASS
n78	30	70	632334	189@0	CP_QPSK	20.00	19.98	PASS
n78	30	70	632334	95@47	CP_QPSK	21.50	21.39	PASS
n78	30	70	632334	1@1	CP_QPSK	21.50	21.31	PASS
n78	30	70	632334	1@187	CP_QPSK	22.00	21.80	PASS
n78	30	70	632334	189@0	CP_16QAM	20.00	20.00	PASS
n78	30	70	632334	95@47	CP_16QAM	21.00	20.87	PASS
n78	30	70	632334	1@1	CP_16QAM	21.00	20.78	PASS
n78	30	70	632334	1@187	CP_16QAM	21.50	21.26	PASS
n78	30	70	632334	189@0	CP_64QAM	20.00	19.57	PASS
n78	30	70	632334	95@47	CP_64QAM	19.50	19.45	PASS
n78	30	70	632334	1@1	CP_64QAM	19.50	19.39	PASS
n78	30	70	632334	1@187	CP_64QAM	20.00	19.90	PASS
n78	30	70	632334	189@0	CP_256QAM	17.00	16.54	PASS
n78	30	70	632334	95@47	CP_256QAM	16.50	16.43	PASS
n78	30	70	632334	1@1	CP_256QAM	16.50	16.38	PASS
n78	30	70	632334	1@187	CP_256QAM	17.00	16.92	PASS
n78	30	70	641666	180@0	DFT_BPSK	24.50	24.14	PASS
n78	30	70	641666	90@45	DFT_BPSK	25.00	24.71	PASS
n78	30	70	641666	1@1	DFT_BPSK	25.00	24.60	PASS
n78	30	70	641666	1@187	DFT_BPSK	24.50	24.32	PASS

n78	30	70	641666	180@0	DFT_QPSK	24.00	23.65	PASS
n78	30	70	641666	90@45	DFT_QPSK	25.00	24.66	PASS
n78	30	70	641666	1@1	DFT_QPSK	25.00	24.66	PASS
n78	30	70	641666	1@187	DFT_QPSK	24.50	24.34	PASS
n78	30	70	641666	180@0	DFT_16QAM	23.00	22.64	PASS
n78	30	70	641666	90@45	DFT_16QAM	24.00	23.70	PASS
n78	30	70	641666	1@1	DFT_16QAM	24.00	23.71	PASS
n78	30	70	641666	1@187	DFT_16QAM	23.50	23.44	PASS
n78	30	70	641666	180@0	DFT_64QAM	22.50	22.14	PASS
n78	30	70	641666	90@45	DFT_64QAM	22.50	22.23	PASS
n78	30	70	641666	1@1	DFT_64QAM	22.50	22.16	PASS
n78	30	70	641666	1@187	DFT_64QAM	22.00	21.90	PASS
n78	30	70	641666	180@0	DFT_256QAM	20.50	20.20	PASS
n78	30	70	641666	90@45	DFT_256QAM	20.50	20.26	PASS
n78	30	70	641666	1@1	DFT_256QAM	20.50	20.38	PASS
n78	30	70	641666	1@187	DFT_256QAM	20.50	20.10	PASS
n78	30	70	641666	189@0	CP_QPSK	22.00	21.66	PASS
n78	30	70	641666	95@47	CP_QPSK	23.50	23.21	PASS
n78	30	70	641666	1@1	CP_QPSK	23.50	23.12	PASS
n78	30	70	641666	1@187	CP_QPSK	23.00	22.78	PASS
n78	30	70	641666	189@0	CP_16QAM	22.00	21.68	PASS
n78	30	70	641666	95@47	CP_16QAM	23.00	22.67	PASS
n78	30	70	641666	1@1	CP_16QAM	23.00	22.59	PASS
n78	30	70	641666	1@187	CP_16QAM	22.50	22.28	PASS
n78	30	70	641666	189@0	CP_64QAM	21.50	21.17	PASS
n78	30	70	641666	95@47	CP_64QAM	21.50	21.24	PASS
n78	30	70	641666	1@1	CP_64QAM	21.50	21.27	PASS
n78	30	70	641666	1@187	CP_64QAM	21.00	20.96	PASS
n78	30	70	641666	189@0	CP_256QAM	18.50	18.22	PASS
n78	30	70	641666	95@47	CP_256QAM	18.50	18.18	PASS
n78	30	70	641666	1@1	CP_256QAM	18.50	18.42	PASS
n78	30	70	641666	1@187	CP_256QAM	18.50	18.06	PASS
n78	30	70	651000	180@0	DFT_BPSK	23.00	22.93	PASS
n78	30	70	651000	90@45	DFT_BPSK	23.50	23.32	PASS
n78	30	70	651000	1@1	DFT_BPSK	23.50	23.01	PASS
n78	30	70	651000	1@187	DFT_BPSK	24.50	24.05	PASS
n78	30	70	651000	180@0	DFT_QPSK	22.50	22.44	PASS
n78	30	70	651000	90@45	DFT_QPSK	23.50	23.34	PASS

n78	30	70	651000	1@1	DFT_QPSK	23.50	23.03	PASS
n78	30	70	651000	1@187	DFT_QPSK	24.50	24.09	PASS
n78	30	70	651000	180@0	DFT_16QAM	21.50	21.44	PASS
n78	30	70	651000	90@45	DFT_16QAM	22.50	22.33	PASS
n78	30	70	651000	1@1	DFT_16QAM	22.50	22.11	PASS
n78	30	70	651000	1@187	DFT_16QAM	23.50	23.12	PASS
n78	30	70	651000	180@0	DFT_64QAM	21.00	20.95	PASS
n78	30	70	651000	90@45	DFT_64QAM	21.00	20.85	PASS
n78	30	70	651000	1@1	DFT_64QAM	21.00	20.55	PASS
n78	30	70	651000	1@187	DFT_64QAM	22.00	21.60	PASS
n78	30	70	651000	180@0	DFT_256QAM	19.00	18.98	PASS
n78	30	70	651000	90@45	DFT_256QAM	19.00	18.88	PASS
n78	30	70	651000	1@1	DFT_256QAM	19.00	18.82	PASS
n78	30	70	651000	1@187	DFT_256QAM	20.00	19.80	PASS
n78	30	70	651000	189@0	CP_QPSK	21.00	20.53	PASS
n78	30	70	651000	95@47	CP_QPSK	22.00	21.90	PASS
n78	30	70	651000	1@1	CP_QPSK	22.00	21.54	PASS
n78	30	70	651000	1@187	CP_QPSK	23.00	22.55	PASS
n78	30	70	651000	189@0	CP_16QAM	20.50	20.49	PASS
n78	30	70	651000	95@47	CP_16QAM	21.50	21.36	PASS
n78	30	70	651000	1@1	CP_16QAM	21.00	21.00	PASS
n78	30	70	651000	1@187	CP_16QAM	22.50	22.05	PASS
n78	30	70	651000	189@0	CP_64QAM	20.50	20.02	PASS
n78	30	70	651000	95@47	CP_64QAM	20.00	19.89	PASS
n78	30	70	651000	1@1	CP_64QAM	20.00	19.65	PASS
n78	30	70	651000	1@187	CP_64QAM	21.00	20.65	PASS
n78	30	70	651000	189@0	CP_256QAM	17.00	16.92	PASS
n78	30	70	651000	95@47	CP_256QAM	17.00	16.75	PASS
n78	30	70	651000	1@1	CP_256QAM	17.00	16.67	PASS
n78	30	70	651000	1@187	CP_256QAM	18.00	17.70	PASS
n78	30	80	632668	216@0	DFT_BPSK	23.00	22.62	PASS
n78	30	80	632668	108@54	DFT_BPSK	23.50	23.02	PASS
n78	30	80	632668	1@1	DFT_BPSK	23.00	22.76	PASS
n78	30	80	632668	1@215	DFT_BPSK	24.00	23.76	PASS
n78	30	80	632668	216@0	DFT_QPSK	22.50	22.10	PASS
n78	30	80	632668	108@54	DFT_QPSK	23.50	23.01	PASS
n78	30	80	632668	1@1	DFT_QPSK	23.00	22.84	PASS
n78	30	80	632668	1@215	DFT_QPSK	24.00	23.78	PASS

n78	30	80	632668	216@0	DFT_16QAM	21.50	21.14	PASS
n78	30	80	632668	108@54	DFT_16QAM	22.50	22.04	PASS
n78	30	80	632668	1@1	DFT_16QAM	22.00	21.86	PASS
n78	30	80	632668	1@215	DFT_16QAM	23.00	22.81	PASS
n78	30	80	632668	216@0	DFT_64QAM	21.00	20.67	PASS
n78	30	80	632668	108@54	DFT_64QAM	20.50	20.49	PASS
n78	30	80	632668	1@1	DFT_64QAM	20.50	20.29	PASS
n78	30	80	632668	1@215	DFT_64QAM	21.50	21.26	PASS
n78	30	80	632668	216@0	DFT_256QAM	19.00	18.67	PASS
n78	30	80	632668	108@54	DFT_256QAM	19.00	18.59	PASS
n78	30	80	632668	1@1	DFT_256QAM	19.00	18.63	PASS
n78	30	80	632668	1@215	DFT_256QAM	20.00	19.57	PASS
n78	30	80	632668	217@0	CP_QPSK	20.50	20.11	PASS
n78	30	80	632668	109@54	CP_QPSK	21.50	21.48	PASS
n78	30	80	632668	1@1	CP_QPSK	21.50	21.29	PASS
n78	30	80	632668	1@215	CP_QPSK	22.50	22.24	PASS
n78	30	80	632668	217@0	CP_16QAM	20.50	20.15	PASS
n78	30	80	632668	109@54	CP_16QAM	21.00	20.96	PASS
n78	30	80	632668	1@1	CP_16QAM	21.00	20.82	PASS
n78	30	80	632668	1@215	CP_16QAM	22.00	21.76	PASS
n78	30	80	632668	217@0	CP_64QAM	20.00	19.59	PASS
n78	30	80	632668	109@54	CP_64QAM	20.00	19.54	PASS
n78	30	80	632668	1@1	CP_64QAM	19.50	19.43	PASS
n78	30	80	632668	1@215	CP_64QAM	20.50	20.39	PASS
n78	30	80	632668	217@0	CP_256QAM	17.00	16.63	PASS
n78	30	80	632668	109@54	CP_256QAM	17.00	16.52	PASS
n78	30	80	632668	1@1	CP_256QAM	16.50	16.39	PASS
n78	30	80	632668	1@215	CP_256QAM	17.50	17.45	PASS
n78	30	80	641666	216@0	DFT_BPSK	24.50	24.11	PASS
n78	30	80	641666	108@54	DFT_BPSK	25.00	24.69	PASS
n78	30	80	641666	1@1	DFT_BPSK	25.00	24.62	PASS
n78	30	80	641666	1@215	DFT_BPSK	24.50	24.30	PASS
n78	30	80	641666	216@0	DFT_QPSK	24.00	23.64	PASS
n78	30	80	641666	108@54	DFT_QPSK	25.00	24.67	PASS
n78	30	80	641666	1@1	DFT_QPSK	25.00	24.63	PASS
n78	30	80	641666	1@215	DFT_QPSK	24.50	24.33	PASS
n78	30	80	641666	216@0	DFT_16QAM	23.00	22.66	PASS
n78	30	80	641666	108@54	DFT_16QAM	24.00	23.72	PASS

n78	30	80	641666	1@1	DFT_16QAM	24.00	23.69	PASS
n78	30	80	641666	1@215	DFT_16QAM	23.50	23.41	PASS
n78	30	80	641666	216@0	DFT_64QAM	22.50	22.18	PASS
n78	30	80	641666	108@54	DFT_64QAM	22.50	22.22	PASS
n78	30	80	641666	1@1	DFT_64QAM	22.50	22.16	PASS
n78	30	80	641666	1@215	DFT_64QAM	22.00	21.87	PASS
n78	30	80	641666	216@0	DFT_256QAM	20.50	20.24	PASS
n78	30	80	641666	108@54	DFT_256QAM	20.50	20.29	PASS
n78	30	80	641666	1@1	DFT_256QAM	20.50	20.47	PASS
n78	30	80	641666	1@215	DFT_256QAM	20.50	20.11	PASS
n78	30	80	641666	217@0	CP_QPSK	22.00	21.65	PASS
n78	30	80	641666	109@54	CP_QPSK	23.50	23.19	PASS
n78	30	80	641666	1@1	CP_QPSK	23.50	23.13	PASS
n78	30	80	641666	1@215	CP_QPSK	23.00	22.76	PASS
n78	30	80	641666	217@0	CP_16QAM	22.00	21.63	PASS
n78	30	80	641666	109@54	CP_16QAM	23.00	22.64	PASS
n78	30	80	641666	1@1	CP_16QAM	23.00	22.63	PASS
n78	30	80	641666	1@215	CP_16QAM	22.50	22.26	PASS
n78	30	80	641666	217@0	CP_64QAM	21.50	21.14	PASS
n78	30	80	641666	109@54	CP_64QAM	21.50	21.17	PASS
n78	30	80	641666	1@1	CP_64QAM	21.50	21.30	PASS
n78	30	80	641666	1@215	CP_64QAM	21.00	20.91	PASS
n78	30	80	641666	217@0	CP_256QAM	18.50	18.20	PASS
n78	30	80	641666	109@54	CP_256QAM	18.50	18.23	PASS
n78	30	80	641666	1@1	CP_256QAM	18.50	18.44	PASS
n78	30	80	641666	1@215	CP_256QAM	18.00	18.00	PASS
n78	30	80	650666	216@0	DFT_BPSK	23.00	22.93	PASS
n78	30	80	650666	108@54	DFT_BPSK	23.50	23.31	PASS
n78	30	80	650666	1@1	DFT_BPSK	23.50	23.21	PASS
n78	30	80	650666	1@215	DFT_BPSK	24.50	24.06	PASS
n78	30	80	650666	216@0	DFT_QPSK	22.50	22.44	PASS
n78	30	80	650666	108@54	DFT_QPSK	23.50	23.30	PASS
n78	30	80	650666	1@1	DFT_QPSK	23.50	23.28	PASS
n78	30	80	650666	1@215	DFT_QPSK	24.50	24.11	PASS
n78	30	80	650666	216@0	DFT_16QAM	21.50	21.45	PASS
n78	30	80	650666	108@54	DFT_16QAM	22.50	22.34	PASS
n78	30	80	650666	1@1	DFT_16QAM	22.50	22.32	PASS
n78	30	80	650666	1@215	DFT_16QAM	23.50	23.14	PASS

n78	30	80	650666	216@0	DFT_64QAM	21.00	20.94	PASS
n78	30	80	650666	108@54	DFT_64QAM	21.00	20.78	PASS
n78	30	80	650666	1@1	DFT_64QAM	21.00	20.78	PASS
n78	30	80	650666	1@215	DFT_64QAM	22.00	21.64	PASS
n78	30	80	650666	216@0	DFT_256QAM	19.00	18.98	PASS
n78	30	80	650666	108@54	DFT_256QAM	19.00	18.87	PASS
n78	30	80	650666	1@1	DFT_256QAM	19.50	19.04	PASS
n78	30	80	650666	1@215	DFT_256QAM	20.00	19.86	PASS
n78	30	80	650666	217@0	CP_QPSK	20.50	20.42	PASS
n78	30	80	650666	109@54	CP_QPSK	22.00	21.79	PASS
n78	30	80	650666	1@1	CP_QPSK	22.00	21.74	PASS
n78	30	80	650666	1@215	CP_QPSK	23.00	22.55	PASS
n78	30	80	650666	217@0	CP_16QAM	20.50	20.46	PASS
n78	30	80	650666	109@54	CP_16QAM	21.50	21.26	PASS
n78	30	80	650666	1@1	CP_16QAM	21.50	21.26	PASS
n78	30	80	650666	1@215	CP_16QAM	22.50	22.08	PASS
n78	30	80	650666	217@0	CP_64QAM	20.00	19.94	PASS
n78	30	80	650666	109@54	CP_64QAM	20.00	19.77	PASS
n78	30	80	650666	1@1	CP_64QAM	20.00	19.88	PASS
n78	30	80	650666	1@215	CP_64QAM	21.00	20.69	PASS
n78	30	80	650666	217@0	CP_256QAM	17.00	16.87	PASS
n78	30	80	650666	109@54	CP_256QAM	17.00	16.74	PASS
n78	30	80	650666	1@1	CP_256QAM	17.00	16.85	PASS
n78	30	80	650666	1@215	CP_256QAM	18.00	17.68	PASS
n78	30	90	633000	243@0	DFT_BPSK	23.00	22.70	PASS
n78	30	90	633000	120@60	DFT_BPSK	23.50	23.06	PASS
n78	30	90	633000	1@1	DFT_BPSK	23.00	22.76	PASS
n78	30	90	633000	1@243	DFT_BPSK	24.00	23.88	PASS
n78	30	90	633000	243@0	DFT_QPSK	22.50	22.20	PASS
n78	30	90	633000	120@60	DFT_QPSK	23.50	23.04	PASS
n78	30	90	633000	1@1	DFT_QPSK	23.00	22.82	PASS
n78	30	90	633000	1@243	DFT_QPSK	24.00	23.90	PASS
n78	30	90	633000	243@0	DFT_16QAM	21.50	21.24	PASS
n78	30	90	633000	120@60	DFT_16QAM	22.50	22.04	PASS
n78	30	90	633000	1@1	DFT_16QAM	22.00	21.83	PASS
n78	30	90	633000	1@243	DFT_16QAM	23.00	22.95	PASS
n78	30	90	633000	243@0	DFT_64QAM	21.00	20.75	PASS
n78	30	90	633000	120@60	DFT_64QAM	21.00	20.58	PASS

n78	30	90	633000	1@1	DFT_64QAM	20.50	20.26	PASS
n78	30	90	633000	1@243	DFT_64QAM	21.50	21.41	PASS
n78	30	90	633000	243@0	DFT_256QAM	19.00	18.81	PASS
n78	30	90	633000	120@60	DFT_256QAM	19.00	18.62	PASS
n78	30	90	633000	1@1	DFT_256QAM	19.00	18.62	PASS
n78	30	90	633000	1@243	DFT_256QAM	20.00	19.74	PASS
n78	30	90	633000	245@0	CP_QPSK	20.50	20.24	PASS
n78	30	90	633000	123@61	CP_QPSK	22.00	21.55	PASS
n78	30	90	633000	1@1	CP_QPSK	21.50	21.24	PASS
n78	30	90	633000	1@243	CP_QPSK	22.50	22.36	PASS
n78	30	90	633000	245@0	CP_16QAM	20.50	20.25	PASS
n78	30	90	633000	123@61	CP_16QAM	21.50	21.07	PASS
n78	30	90	633000	1@1	CP_16QAM	21.00	20.88	PASS
n78	30	90	633000	1@243	CP_16QAM	22.00	21.97	PASS
n78	30	90	633000	245@0	CP_64QAM	20.00	19.74	PASS
n78	30	90	633000	123@61	CP_64QAM	20.00	19.58	PASS
n78	30	90	633000	1@1	CP_64QAM	19.50	19.46	PASS
n78	30	90	633000	1@243	CP_64QAM	21.00	20.53	PASS
n78	30	90	633000	245@0	CP_256QAM	17.00	16.74	PASS
n78	30	90	633000	123@61	CP_256QAM	17.00	16.60	PASS
n78	30	90	633000	1@1	CP_256QAM	16.50	16.35	PASS
n78	30	90	633000	1@243	CP_256QAM	18.00	17.64	PASS
n78	30	90	641666	243@0	DFT_BPSK	24.50	24.10	PASS
n78	30	90	641666	120@60	DFT_BPSK	25.00	24.70	PASS
n78	30	90	641666	1@1	DFT_BPSK	25.00	24.58	PASS
n78	30	90	641666	1@243	DFT_BPSK	24.50	24.22	PASS
n78	30	90	641666	243@0	DFT_QPSK	24.00	23.61	PASS
n78	30	90	641666	120@60	DFT_QPSK	25.00	24.69	PASS
n78	30	90	641666	1@1	DFT_QPSK	25.00	24.61	PASS
n78	30	90	641666	1@243	DFT_QPSK	24.50	24.26	PASS
n78	30	90	641666	243@0	DFT_16QAM	23.00	22.64	PASS
n78	30	90	641666	120@60	DFT_16QAM	24.00	23.72	PASS
n78	30	90	641666	1@1	DFT_16QAM	24.00	23.70	PASS
n78	30	90	641666	1@243	DFT_16QAM	23.50	23.34	PASS
n78	30	90	641666	243@0	DFT_64QAM	22.50	22.17	PASS
n78	30	90	641666	120@60	DFT_64QAM	22.50	22.24	PASS
n78	30	90	641666	1@1	DFT_64QAM	22.50	22.12	PASS
n78	30	90	641666	1@243	DFT_64QAM	22.00	21.78	PASS

n78	30	90	641666	243@0	DFT_256QAM	20.50	20.20	PASS
n78	30	90	641666	120@60	DFT_256QAM	20.50	20.27	PASS
n78	30	90	641666	1@1	DFT_256QAM	20.50	20.45	PASS
n78	30	90	641666	1@243	DFT_256QAM	20.50	20.06	PASS
n78	30	90	641666	245@0	CP_QPSK	22.00	21.61	PASS
n78	30	90	641666	123@61	CP_QPSK	23.50	23.15	PASS
n78	30	90	641666	1@1	CP_QPSK	23.50	23.14	PASS
n78	30	90	641666	1@243	CP_QPSK	23.00	22.73	PASS
n78	30	90	641666	245@0	CP_16QAM	22.00	21.62	PASS
n78	30	90	641666	123@61	CP_16QAM	23.00	22.68	PASS
n78	30	90	641666	1@1	CP_16QAM	23.00	22.62	PASS
n78	30	90	641666	1@243	CP_16QAM	22.50	22.22	PASS
n78	30	90	641666	245@0	CP_64QAM	21.50	21.09	PASS
n78	30	90	641666	123@61	CP_64QAM	21.50	21.21	PASS
n78	30	90	641666	1@1	CP_64QAM	21.50	21.29	PASS
n78	30	90	641666	1@243	CP_64QAM	21.00	20.91	PASS
n78	30	90	641666	245@0	CP_256QAM	18.50	18.17	PASS
n78	30	90	641666	123@61	CP_256QAM	18.50	18.23	PASS
n78	30	90	641666	1@1	CP_256QAM	18.50	18.43	PASS
n78	30	90	641666	1@243	CP_256QAM	18.00	17.96	PASS
n78	30	90	650332	243@0	DFT_BPSK	23.00	22.91	PASS
n78	30	90	650332	120@60	DFT_BPSK	23.50	23.23	PASS
n78	30	90	650332	1@1	DFT_BPSK	23.50	23.37	PASS
n78	30	90	650332	1@243	DFT_BPSK	24.50	24.01	PASS
n78	30	90	650332	243@0	DFT_QPSK	22.50	22.42	PASS
n78	30	90	650332	120@60	DFT_QPSK	23.50	23.24	PASS
n78	30	90	650332	1@1	DFT_QPSK	23.50	23.39	PASS
n78	30	90	650332	1@243	DFT_QPSK	24.50	24.06	PASS
n78	30	90	650332	243@0	DFT_16QAM	21.50	21.44	PASS
n78	30	90	650332	120@60	DFT_16QAM	22.50	22.23	PASS
n78	30	90	650332	1@1	DFT_16QAM	23.00	22.52	PASS
n78	30	90	650332	1@243	DFT_16QAM	23.50	23.10	PASS
n78	30	90	650332	243@0	DFT_64QAM	21.00	20.96	PASS
n78	30	90	650332	120@60	DFT_64QAM	21.00	20.76	PASS
n78	30	90	650332	1@1	DFT_64QAM	21.00	20.95	PASS
n78	30	90	650332	1@243	DFT_64QAM	22.00	21.59	PASS
n78	30	90	650332	243@0	DFT_256QAM	19.00	18.95	PASS
n78	30	90	650332	120@60	DFT_256QAM	19.00	18.80	PASS

n78	30	90	650332	1@1	DFT_256QAM	19.50	19.19	PASS
n78	30	90	650332	1@243	DFT_256QAM	20.00	19.80	PASS
n78	30	90	650332	245@0	CP_QPSK	20.50	20.40	PASS
n78	30	90	650332	123@61	CP_QPSK	22.00	21.69	PASS
n78	30	90	650332	1@1	CP_QPSK	22.00	21.89	PASS
n78	30	90	650332	1@243	CP_QPSK	22.50	22.50	PASS
n78	30	90	650332	245@0	CP_16QAM	20.50	20.39	PASS
n78	30	90	650332	123@61	CP_16QAM	21.50	21.21	PASS
n78	30	90	650332	1@1	CP_16QAM	21.50	21.43	PASS
n78	30	90	650332	1@243	CP_16QAM	22.50	22.04	PASS
n78	30	90	650332	245@0	CP_64QAM	20.00	19.91	PASS
n78	30	90	650332	123@61	CP_64QAM	20.00	19.73	PASS
n78	30	90	650332	1@1	CP_64QAM	20.50	20.03	PASS
n78	30	90	650332	1@243	CP_64QAM	21.00	20.68	PASS
n78	30	90	650332	245@0	CP_256QAM	17.00	16.87	PASS
n78	30	90	650332	123@61	CP_256QAM	17.00	16.66	PASS
n78	30	90	650332	1@1	CP_256QAM	17.50	17.04	PASS
n78	30	90	650332	1@243	CP_256QAM	18.00	17.66	PASS
n78	30	100	633334	270@0	DFT_BPSK	23.00	22.71	PASS
n78	30	100	633334	135@67	DFT_BPSK	23.50	23.06	PASS
n78	30	100	633334	1@1	DFT_BPSK	23.00	22.67	PASS
n78	30	100	633334	1@271	DFT_BPSK	24.00	23.81	PASS
n78	30	100	633334	270@0	DFT_QPSK	22.50	22.22	PASS
n78	30	100	633334	135@67	DFT_QPSK	23.50	23.09	PASS
n78	30	100	633334	1@1	DFT_QPSK	23.00	22.71	PASS
n78	30	100	633334	1@271	DFT_QPSK	24.00	23.84	PASS
n78	30	100	633334	270@0	DFT_16QAM	21.50	21.20	PASS
n78	30	100	633334	135@67	DFT_16QAM	22.50	22.11	PASS
n78	30	100	633334	1@1	DFT_16QAM	22.00	21.82	PASS
n78	30	100	633334	1@271	DFT_16QAM	23.00	22.92	PASS
n78	30	100	633334	270@0	DFT_64QAM	21.00	20.73	PASS
n78	30	100	633334	135@67	DFT_64QAM	21.00	20.60	PASS
n78	30	100	633334	1@1	DFT_64QAM	20.50	20.25	PASS
n78	30	100	633334	1@271	DFT_64QAM	21.50	21.37	PASS
n78	30	100	633334	270@0	DFT_256QAM	19.00	18.75	PASS
n78	30	100	633334	135@67	DFT_256QAM	19.00	18.62	PASS
n78	30	100	633334	1@1	DFT_256QAM	19.00	18.64	PASS
n78	30	100	633334	1@271	DFT_256QAM	20.00	19.71	PASS

n78	30	100	633334	273@0	CP_QPSK	20.50	20.23	PASS
n78	30	100	633334	137@68	CP_QPSK	22.00	21.56	PASS
n78	30	100	633334	1@1	CP_QPSK	21.50	21.20	PASS
n78	30	100	633334	1@271	CP_QPSK	22.50	22.31	PASS
n78	30	100	633334	273@0	CP_16QAM	20.50	20.23	PASS
n78	30	100	633334	137@68	CP_16QAM	21.50	21.10	PASS
n78	30	100	633334	1@1	CP_16QAM	21.00	20.77	PASS
n78	30	100	633334	1@271	CP_16QAM	22.00	21.90	PASS
n78	30	100	633334	273@0	CP_64QAM	20.00	19.74	PASS
n78	30	100	633334	137@68	CP_64QAM	20.00	19.60	PASS
n78	30	100	633334	1@1	CP_64QAM	19.50	19.46	PASS
n78	30	100	633334	1@271	CP_64QAM	20.50	20.50	PASS
n78	30	100	633334	273@0	CP_256QAM	17.00	16.73	PASS
n78	30	100	633334	137@68	CP_256QAM	17.00	16.62	PASS
n78	30	100	633334	1@1	CP_256QAM	16.50	16.27	PASS
n78	30	100	633334	1@271	CP_256QAM	18.00	17.52	PASS
n78	30	100	641666	270@0	DFT_BPSK	24.50	24.08	PASS
n78	30	100	641666	135@67	DFT_BPSK	25.00	24.68	PASS
n78	30	100	641666	1@1	DFT_BPSK	25.00	24.60	PASS
n78	30	100	641666	1@271	DFT_BPSK	24.50	24.17	PASS
n78	30	100	641666	270@0	DFT_QPSK	24.00	23.58	PASS
n78	30	100	641666	135@67	DFT_QPSK	25.00	24.67	PASS
n78	30	100	641666	1@1	DFT_QPSK	25.00	24.66	PASS
n78	30	100	641666	1@271	DFT_QPSK	24.50	24.21	PASS
n78	30	100	641666	270@0	DFT_16QAM	23.00	22.63	PASS
n78	30	100	641666	135@67	DFT_16QAM	24.00	23.70	PASS
n78	30	100	641666	1@1	DFT_16QAM	24.00	23.68	PASS
n78	30	100	641666	1@271	DFT_16QAM	23.50	23.28	PASS
n78	30	100	641666	270@0	DFT_64QAM	22.50	22.16	PASS
n78	30	100	641666	135@67	DFT_64QAM	22.50	22.20	PASS
n78	30	100	641666	1@1	DFT_64QAM	22.50	22.15	PASS
n78	30	100	641666	1@271	DFT_64QAM	22.00	21.79	PASS
n78	30	100	641666	270@0	DFT_256QAM	20.50	20.18	PASS
n78	30	100	641666	135@67	DFT_256QAM	20.50	20.29	PASS
n78	30	100	641666	1@1	DFT_256QAM	21.00	20.51	PASS
n78	30	100	641666	1@271	DFT_256QAM	20.50	20.02	PASS
n78	30	100	641666	273@0	CP_QPSK	22.00	21.60	PASS
n78	30	100	641666	137@68	CP_QPSK	23.50	23.18	PASS

n78	30	100	641666	1@1	CP_QPSK	23.50	23.17	PASS
n78	30	100	641666	1@271	CP_QPSK	23.00	22.72	PASS
n78	30	100	641666	273@0	CP_16QAM	22.00	21.62	PASS
n78	30	100	641666	137@68	CP_16QAM	23.00	22.68	PASS
n78	30	100	641666	1@1	CP_16QAM	23.00	22.66	PASS
n78	30	100	641666	1@271	CP_16QAM	22.50	22.25	PASS
n78	30	100	641666	273@0	CP_64QAM	21.50	21.08	PASS
n78	30	100	641666	137@68	CP_64QAM	21.50	21.21	PASS
n78	30	100	641666	1@1	CP_64QAM	21.50	21.33	PASS
n78	30	100	641666	1@271	CP_64QAM	21.00	20.85	PASS
n78	30	100	641666	273@0	CP_256QAM	18.50	18.15	PASS
n78	30	100	641666	137@68	CP_256QAM	18.50	18.20	PASS
n78	30	100	641666	1@1	CP_256QAM	18.50	18.31	PASS
n78	30	100	641666	1@271	CP_256QAM	18.00	17.85	PASS
n78	30	100	650000	270@0	DFT_BPSK	23.00	22.95	PASS
n78	30	100	650000	135@67	DFT_BPSK	23.50	23.23	PASS
n78	30	100	650000	1@1	DFT_BPSK	23.50	23.44	PASS
n78	30	100	650000	1@271	DFT_BPSK	24.50	24.05	PASS
n78	30	100	650000	270@0	DFT_QPSK	22.50	22.47	PASS
n78	30	100	650000	135@67	DFT_QPSK	23.50	23.21	PASS
n78	30	100	650000	1@1	DFT_QPSK	24.00	23.52	PASS
n78	30	100	650000	1@271	DFT_QPSK	24.50	24.10	PASS
n78	30	100	650000	270@0	DFT_16QAM	21.50	21.48	PASS
n78	30	100	650000	135@67	DFT_16QAM	22.50	22.22	PASS
n78	30	100	650000	1@1	DFT_16QAM	23.00	22.59	PASS
n78	30	100	650000	1@271	DFT_16QAM	23.50	23.14	PASS
n78	30	100	650000	270@0	DFT_64QAM	21.00	21.00	PASS
n78	30	100	650000	135@67	DFT_64QAM	21.00	20.72	PASS
n78	30	100	650000	1@1	DFT_64QAM	21.50	21.04	PASS
n78	30	100	650000	1@271	DFT_64QAM	22.00	21.64	PASS
n78	30	100	650000	270@0	DFT_256QAM	19.00	19.00	PASS
n78	30	100	650000	135@67	DFT_256QAM	19.00	18.77	PASS
n78	30	100	650000	1@1	DFT_256QAM	19.50	19.40	PASS
n78	30	100	650000	1@271	DFT_256QAM	20.00	19.90	PASS
n78	30	100	650000	273@0	CP_QPSK	20.50	20.49	PASS
n78	30	100	650000	137@68	CP_QPSK	22.00	21.68	PASS
n78	30	100	650000	1@1	CP_QPSK	22.50	22.05	PASS
n78	30	100	650000	1@271	CP_QPSK	23.00	22.61	PASS

n78	30	100	650000	273@0	CP_16QAM	20.50	20.44	PASS
n78	30	100	650000	137@68	CP_16QAM	21.50	21.19	PASS
n78	30	100	650000	1@1	CP_16QAM	22.00	21.52	PASS
n78	30	100	650000	1@271	CP_16QAM	22.50	22.02	PASS
n78	30	100	650000	273@0	CP_64QAM	20.00	19.96	PASS
n78	30	100	650000	137@68	CP_64QAM	20.00	19.72	PASS
n78	30	100	650000	1@1	CP_64QAM	20.50	20.19	PASS
n78	30	100	650000	1@271	CP_64QAM	21.00	20.75	PASS
n78	30	100	650000	273@0	CP_256QAM	17.00	16.90	PASS
n78	30	100	650000	137@68	CP_256QAM	17.00	16.62	PASS
n78	30	100	650000	1@1	CP_256QAM	17.50	17.09	PASS
n78	30	100	650000	1@271	CP_256QAM	18.00	17.67	PASS

1.1.2. Output Power Results Of Bluetooth

BLE	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channel		
			0CH	19CH	39CH
	1M	5.5	5.12	5.04	4.70
	2M	5.5	5.19	5.05	4.71

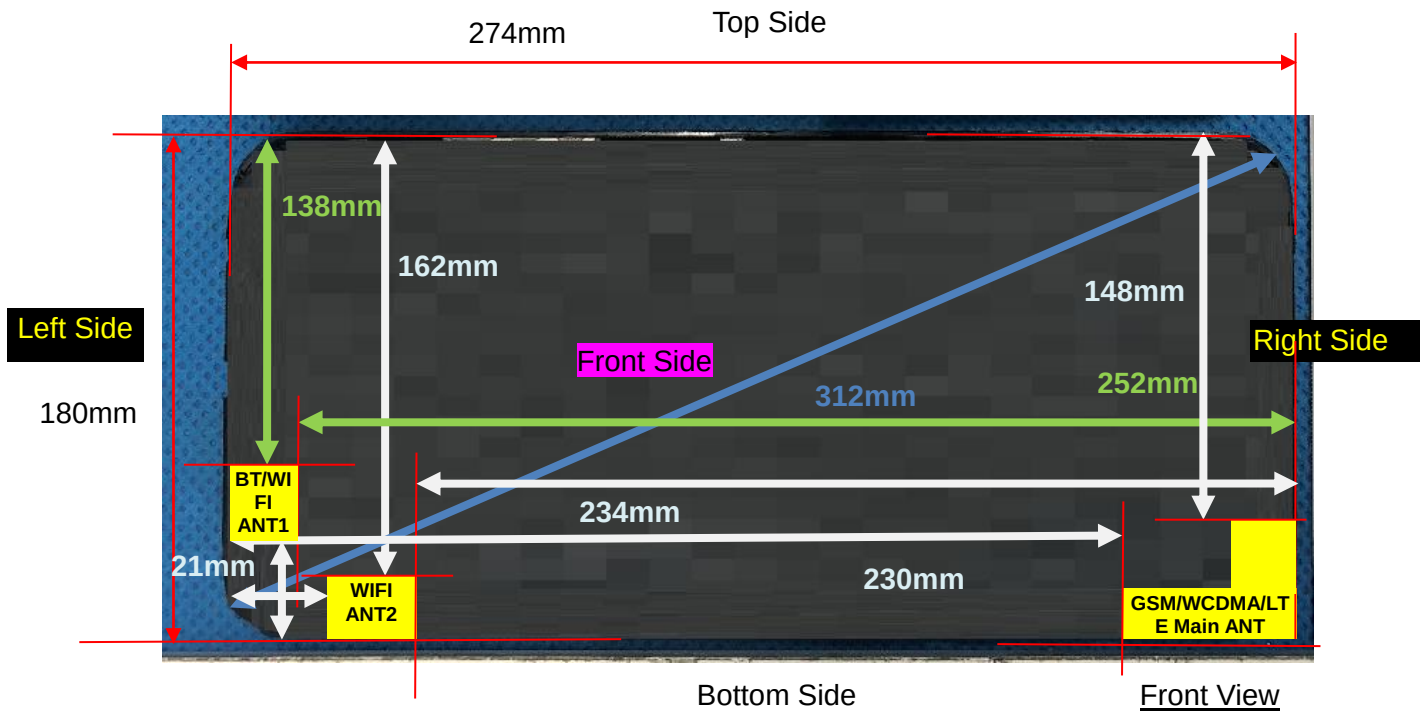
BR+EDR	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channel		
			0CH	39CH	78CH
	1M	5.00	4.45	4.93	4.21
	2M	4.50	4.18	4.49	4.33
	3M	5.00	4.24	4.54	4.37

Output Power Results Of Bluetooth

1.2. NFC

Channel Freq (MHz)	Min Distance (mm)	Max power (dBm)	tune-up power (dBm)	Max power (mW)	Limits (mW)	SAR Test Exclusion
13.56	0	--32.67	-32.67 ± 1	0.00068	443	Yes

2. Antenna Location



Note: Since the confidentiality request of EUT, the antenna location example diagram see as above.

Distance of the Antenna to the EUT surface/edge						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WLAN & Bluetooth Ant1	5	5	5	252	138	21
WLAN Ant2	5	5	5	234	162	21
WWAN Ant0	5	5	230	5	148	5

Note: When the minimum separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Positions for WLAN & Bluetooth Ant1 SAR tests		
Test separation distances ≤ 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G	
	15.50dBm	35.48mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5

	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	21.00
	SAR exclusion threshold (mW)	38
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	12.50dBm	17.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	21
	SAR exclusion threshold (mW)	26.00
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	
	12.50dBm	17.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	21
	SAR exclusion threshold (mW)	25.00
	SAR testing required?	NO
Positions for WLAN Ant2 SAR tests		
Test separation distances $\leq$ 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G	
	16.50dBm	44.67mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00

	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	21
	SAR exclusion threshold (mW)	38
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	12.00dBm	15.85mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	21
	SAR exclusion threshold (mW)	26.00
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	
	14.00dBm	25.12mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	21
	SAR exclusion threshold (mW)	25
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES

Positions for WWAN Ant0 SAR tests		
Test separation distances ≤ 50 mm		
Exposure Positions	Tune-up Maximum power of GSM 850	
	28.50dBm	707.95 mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of GSM 1900	
	25.00dBm	31.23 mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WCDMA Band 2	
	22.50dBm	177.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5

	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WCDMA Band 4	
	22.50dBm	177.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WCDMA Band 5	
	22.50dBm	177.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 2	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES

Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 4	
	23.50dBm	223.87 mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 5	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 7	
	22.00dBm	158.49 mW

Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 12	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 17	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00

	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 25	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 26a	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 26b	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00

	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 66	
	24.00dBm	251.19mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES

NOTE: Refer to section 4.3.1 of KDB 447498 D01.

Positions for WLAN & Bluetooth Ant1 SAR tests		
Test separation distances > 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G	
	15.50dBm	35.48mW
Right Side	Antenna to user(mm)	252
	SAR exclusion threshold (mW)	2116
	SAR testing required?	NO
Top Side	Antenna to user(mm)	138
	SAR exclusion threshold (mW)	976
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	12.50dBm	17.83mW
Right Side	Antenna to user(mm)	252
	SAR exclusion threshold (mW)	2086
	SAR testing required?	NO
Top Side	Antenna to user(mm)	138
	SAR exclusion threshold (mW)	946
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	

	12.50dBm	17.83mW
Right Side	Antenna to user(mm)	252
	SAR exclusion threshold (mW)	2082
	SAR testing required?	NO
Top Side	Antenna to user(mm)	138
	SAR exclusion threshold (mW)	942
	SAR testing required?	NO
Positions for WLAN Ant2 SAR tests		
Test separation distances > 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G	
	16.50dBm	44.67mW
Right Side	Antenna to user(mm)	234
	SAR exclusion threshold (mW)	1936
	SAR testing required?	NO
Top Side	Antenna to user(mm)	162
	SAR exclusion threshold (mW)	1216
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	12.00dBm	15.85mW
Right Side	Antenna to user(mm)	234
	SAR exclusion threshold (mW)	1096
	SAR testing required?	NO
Top Side	Antenna to user(mm)	162
	SAR exclusion threshold (mW)	1186
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	
	14.00dBm	25.12mW
Right Side	Antenna to user(mm)	234
	SAR exclusion threshold (mW)	1902
	SAR testing required?	NO
Top Side	Antenna to user(mm)	162
	SAR exclusion threshold (mW)	1182
	SAR testing required?	NO

Positions for WWAN Ant0 SAR tests		
Test separation distances > 50 mm		
Exposure Positions	Tune-up Maximum power of GSM 850	
	28.50dBm	707.95 mW
Left Side	Antenna to user(mm)	230

	SAR exclusion threshold (mW)	1166
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	710
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of GSM 1900	
	25.00dBm	31.23 mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	2389
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1350
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 2	
	22.50dBm	177.83mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	2389
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1350
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 4	
	22.50dBm	177.83mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1922
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1102
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 5	
	22.50dBm	177.83mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1166
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	710
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 2	
	24.00dBm	251.19mW

Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	2389
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1350
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 4	
	23.50dBm	223.87 mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1922
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1102
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 5	
	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1166
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	710
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 7	
	22.00dBm	158.49 mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1896
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1076
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 12	
	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1922
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1102
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 17	

	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1922
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1102
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 25	
	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1909
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1089
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 26a	
	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1922
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1102
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 26b	
	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1922
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1102
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 66	
	24.00dBm	251.19mW
Left Side	Antenna to user(mm)	230
	SAR exclusion threshold (mW)	1896
	SAR testing required?	NO
Top Side	Antenna to user(mm)	148
	SAR exclusion threshold (mW)	1076
	SAR testing required?	NO

NOTE: Refer to section 4.3.1 of KDB 447498 D01.

3. Stand-alone SAR test exclusion

Refer to FCC KDB 447498D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR exclusion threshold (mW)	SAR test exclusion
Bluetooth	5.50	3.55	5	2.480	1.118	3	Yes

NOTE: Standalone SAR test exclusion for Bluetooth.

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}/x] \text{ W/kg}$ for test separation distances $\leq 50\text{mm}$, where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	Position	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	x	Estimated SAR (W/Kg)
Bluetooth	Body	5.50	3.55	5	2.48	7.5	0.149
Bluetooth	Hotspot	5.50	3.55	5	2.48	7.5	0.149

NOTE: Estimated SAR calculation for Bluetooth

4. SAR Results

4.1. SAR measurement results

4.1.1. SAR measurement Result of GSM850

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	189/836.4	GPRS(GMSK 4TS)	0.727	0.406	2.33	28.23	28.50	0.774	2025/7/14	1#
Back Side	189/836.4	GPRS(GMSK 4TS)	0.548	0.303	-3.93	28.23	28.50	0.583	2025/7/14	
Back Side	128/824.2	GPRS(GMSK 4TS)	0.713	0.387	-1.52	28.24	28.50	0.757	2025/7/14	
Back Side	251/848.8	GPRS(GMSK 4TS)	0.657	0.352	-1.54	28.00	28.50	0.737	2025/7/14	
BackSide Repeated	189/836.4	GPRS(GMSK 4TS)	0.718	0.401	-1.87	28.23	28.50	0.764	2025/7/14	

NOTE: 1.Body-Worn SAR test results of GSM850

2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	189/836.4	GPRS(GMSK 4TS)	0.727	0.406	2.33	28.23	28.50	0.774	2025/7/14	1#
Back Side	189/836.4	GPRS(GMSK 4TS)	0.548	0.303	-3.93	28.23	28.50	0.583	2025/7/14	
Right Side	189/836.4	GPRS(GMSK 4TS)	0.548	0.300	-0.26	28.23	28.50	0.583	2025/7/14	
Top Side	189/836.4	GPRS(GMSK 4TS)	0.075	0.041	1.23	28.23	28.50	0.080	2025/7/14	
Bottom Side	189/836.4	GPRS(GMSK 4TS)	0.203	0.110	-0.24	28.23	28.50	0.216	2025/7/14	
Back Side	128/824.2	GPRS(GMSK 4TS)	0.713	0.387	-1.52	28.24	28.50	0.757	2025/7/14	
Back Side	251/848.8	GPRS(GMSK 4TS)	0.657	0.352	-1.54	28.00	28.50	0.737	2025/7/14	

Back Side Repeated	189/836.4	GPRS(GMSK 4TS)	0.718	0.401	-1.87	28.23	28.50	0.764	2025/7/14	
--------------------	-----------	----------------	-------	-------	-------	-------	-------	-------	-----------	--

NOTE: 1.Hotspot SAR test results of GSM850

2.Tested by : Max Zhou

4.1.2. SAR measurement Result of GSM1900

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	661/1880	GPRS(GMSK 4TS)	0.531	0.306	-4.46	24.87	25.00	0.547	2025/7/16	2#
Back Side	661/1880	GPRS(GMSK 4TS)	0.191	0.105	-1.67	24.87	25.00	0.197	2025/7/16	

NOTE:1. Body-Worn SAR test results of GSM1900

2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	661/1880	GPRS(GMSK 4TS)	0.531	0.306	-4.46	24.87	25.00	0.547	2025/7/16	2#
Back Side	661/1880	GPRS(GMSK 4TS)	0.191	0.105	-1.67	24.87	25.00	0.197	2025/7/16	
Right Side	661/1880	GPRS(GMSK 4TS)	0.371	0.210	-3.16	24.87	25.00	0.382	2025/7/16	
Top Side	661/1880	GPRS(GMSK 4TS)	0.016	0.014	1.21	24.87	25.00	0.016	2025/7/16	
Bottom Side	661/1880	GPRS(GMSK 4TS)	0.046	0.027	-0.06	24.87	25.00	0.047	2025/7/16	

NOTE: 1.Hotspot SAR test results of GSM1900

2.Tested by : Max Zhou

4.1.3. SAR measurement Result of WCDMA Band 2

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	9400/1880	RMC12.2K	0.464	0.260	-1.74	22.19	22.50	0.498	2025/7/16	3#
Back Side	9400/1880	RMC12.2K	0.155	0.086	-0.89	22.19	22.50	0.166	2025/7/16	

NOTE: 1.Body-Worn SAR test results of WCDMA Band 2

2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	9400/1880	RMC12.2K	0.464	0.260	-1.74	22.19	22.50	0.498	2025/7/16	3#
Back Side	9400/1880	RMC12.2K	0.155	0.086	-0.89	22.19	22.50	0.166	2025/7/16	
Right Side	9400/1880	RMC12.2K	0.312	0.168	2.68	22.19	22.50	0.335	2025/7/16	
Top Side	9400/1880	RMC12.2K	0.014	0.012	0.97	22.19	22.50	0.015	2025/7/16	
Bottom Side	9400/1880	RMC12.2K	0.040	0.022	3.73	22.19	22.50	0.043	2025/7/16	

NOTE: 1.Hotspot SAR test results of WCDMA Band 2

2.Tested by : Max Zhou

1.1.1. SAR measurement Result of WCDMA Band 4

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	1413/1732.6	RMC12.2K	0.316	0.181	-1.25	22.10	22.50	0.346	2025/7/15	4#
Back Side	1413/1732.6	RMC12.2K	0.109	0.061	-0.96	22.10	22.50	0.120	2025/7/15	

NOTE: 1.Body-Worn SAR test results of WCDMA Band 4

2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	1413/1732.6	RMC12.2K	0.316	0.181	-1.25	22.10	22.50	0.346	2025/7/15	4#
Back Side	1413/1732.6	RMC12.2K	0.109	0.061	-0.96	22.10	22.50	0.120	2025/7/15	
Right Side	1413/1732.6	RMC12.2K	0.208	0.119	-1.84	22.10	22.50	0.228	2025/7/15	
Top Side	1413/1732.6	RMC12.2K	0.010	0.008	1.02	22.10	22.50	0.011	2025/7/15	
Bottom Side	1413/1732.6	RMC12.2K	0.026	0.014	2.11	22.10	22.50	0.029	2025/7/15	

NOTE: 1.Hotspot SAR test results of WCDMA Band 4

2.Tested by : Max Zhou

1.1.2. SAR measurement Result of WCDMA Band 5

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	4182/836.4	RMC12.2K	0.453	0.252	4.24	22.08	22.50	0.499	2025/7/14	5#
Back Side	4182/836.4	RMC12.2K	0.340	0.187	-0.65	22.08	22.50	0.375	2025/7/14	

NOTE:1. Body-Worn SAR test results of WCDMA Band 5

2.Tested by : Jack Peng

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	4182/836.4	RMC12.2K	0.453	0.252	4.24	22.08	22.50	0.499	2025/7/14	5#
Back Side	4182/836.4	RMC12.2K	0.340	0.187	-0.65	22.08	22.50	0.375	2025/7/14	

Right Side	4182/836.4	RMC12.2K	0.345	0.190	0.23	22.08	22.50	0.380	2025/7/14	
Top Side	4182/836.4	RMC12.2K	0.047	0.025	3.75	22.08	22.50	0.052	2025/7/14	
Bottom Side	4182/836.4	RMC12.2K	0.124	0.068	-1.02	22.08	22.50	0.137	2025/7/14	

NOTE:1. Hotspot SAR test results of WCDMA Band 5

2. Tested by : Jack Peng

1.1.3. SAR measurement Result of LTE Band 2

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	18900/1880	20M QPSK(1,99)	0.615	0.348	-3.46	23.43	24.00	0.701	2025/7/16	15#
Back Side	18900/1880	20M QPSK(1,99)	0.215	0.117	0.51	23.43	24.00	0.245	2025/7/16	
50%RB										
Front Side	18900/1880	20M QPSK(50,49)	0.334	0.208	1.82	22.52	23.00	0.373	2025/7/16	
Back Side	18900/1880	20M QPSK(50,49)	0.116	0.070	2.78	22.52	23.00	0.130	2025/7/16	

NOTE: 1.Body-Worn SAR test results of LTE Band 2

2. Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	18900/1880	20M QPSK(1,99)	0.615	0.348	-3.46	23.43	24.00	0.701	2025/7/16	15#
Back Side	18900/1880	20M QPSK(1,99)	0.215	0.117	0.51	23.43	24.00	0.245	2025/7/16	
Right Side	18900/1880	20M QPSK(1,99)	0.410	0.225	1.48	23.43	24.00	0.468	2025/7/16	
Top Side	18900/1880	20M	0.020	0.018	-3.42	23.43	24.00	0.023	2025/7/16	

		QPSK(1,99)								
Bottom Side	18900/1880	20M QPSK(1,99)	0.053	0.029	-2.54	23.43	24.00	0.060	2025/7/16	
50%RB										
Front Side	18900/1880	20M QPSK(50,49)	0.334	0.208	1.82	22.52	23.00	0.373	2025/7/16	
Back Side	18900/1880	20M QPSK(50,49)	0.116	0.070	2.78	22.52	23.00	0.130	2025/7/16	
Right Side	18900/1880	20M QPSK(50,49)	0.218	0.124	0.56	22.52	23.00	0.243	2025/7/16	
Top Side	18900/1880	20M QPSK(50,49)	0.011	0.010	0.63	22.52	23.00	0.012	2025/7/16	
Bottom Side	18900/1880	20M QPSK(50,49)	0.031	0.015	3.82	22.52	23.00	0.035	2025/7/16	

NOTE: 1.Hotspot SAR test results of LTE Band 2
2. 2.Tested by : Max Zhou

1.1.4. SAR measurement Result of LTE Band 4

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20175/1732.5	20M QPSK(1,99)	0.363	0.205	-4.43	23.39	23.50	0.372	2025/7/15	16#
Back Side	20175/1732.5	20M QPSK(1,99)	0.125	0.067	-0.41	23.39	23.50	0.128	2025/7/15	
Front Side										
Front Side	20175/1732.5	20M QPSK(50,99)	0.184	0.107	-1.73	22.36	22.50	0.190	2025/7/15	
Back Side	20175/1732.5	20M QPSK(50,99)	0.065	0.038	2.03	22.36	22.50	0.067	2025/7/15	

NOTE: Body-Worn SAR test results of LTE Band 4

Test Position of Hotspot	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						

with 0mm										
1RB										
Front Side	20175/1732.5	20M QPSK(1,99)	0.363	0.205	-4.43	23.39	23.50	0.372	2025/7/15	16#
Back Side	20175/1732.5	20M QPSK(1,99)	0.125	0.067	-0.41	23.39	23.50	0.128	2025/7/15	
Right Side	20175/1732.5	20M QPSK(1,99)	0.267	0.143	-2.23	23.39	23.50	0.274	2025/7/15	
Top Side	20175/1732.5	20M QPSK(1,99)	0.012	0.010	-0.16	23.39	23.50	0.012	2025/7/15	
Bottom Side	20175/1732.5	20M QPSK(1,99)	0.033	0.018	3.43	23.39	23.50	0.034	2025/7/15	
50%RB										
Front Side	20175/1732.5	20M QPSK(50,99)	0.184	0.107	-1.73	22.36	22.50	0.190	2025/7/15	
Back Side	20175/1732.5	20M QPSK(50,99)	0.065	0.038	2.03	22.36	22.50	0.067	2025/7/15	
Right Side	20175/1732.5	20M QPSK(50,99)	0.148	0.083	0.99	22.36	22.50	0.153	2025/7/15	
Top Side	20175/1732.5	20M QPSK(50,99)	0.006	0.005	-2.35	22.36	22.50	0.006	2025/7/15	
Bottom Side	20175/1732.5	20M QPSK(50,99)	0.017	0.010	-0.02	22.36	22.50	0.018	2025/7/15	

NOTE: 1.Hotspot SAR test results of LTE Band 4

2.Tested by : Max Zhou

1.1.5. SAR measurement Result of LTE Band 5

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20525/836.5	10M QPSK(1,0)	0.639	0.346	-0.49	23.66	24.00	0.691	2025/7/14	17#
Back Side	20525/836.5	10M QPSK(1,0)	0.503	0.272	-0.46	23.66	24.00	0.544	2025/7/14	
50%RB										
Front Side	20525/836.5	10M QPSK(25,0)	0.341	0.180	-2.51	22.58	23.00	0.376	2025/7/14	
Back Side	20525/836.5	10M QPSK(25,0)	0.286	0.156	-2.30	22.58	23.00	0.315	2025/7/14	

NOTE: 1.Body-Worn SAR test results of LTE Band 5

2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20525/836.5	10M QPSK(1,0)	0.639	0.346	-0.49	23.66	24.00	0.691	2025/7/14	17#
Back Side	20525/836.5	10M QPSK(1,0)	0.503	0.272	-0.46	23.66	24.00	0.544	2025/7/14	
Right Side	20525/836.5	10M QPSK(1,0)	0.480	0.260	-2.93	23.66	24.00	0.519	2025/7/14	
Top Side	20525/836.5	10M QPSK(1,0)	0.068	0.035	1.87	23.66	24.00	0.074	2025/7/14	
Bottom Side	20525/836.5	10M QPSK(1,0)	0.178	0.093	-3.97	23.66	24.00	0.192	2025/7/14	
50%RB										
Front Side	20525/836.5	10M QPSK(25,0)	0.341	0.180	-2.51	22.58	23.00	0.376	2025/7/14	
Back Side	20525/836.5	10M QPSK(25,0)	0.286	0.156	-2.30	22.58	23.00	0.315	2025/7/14	
Right Side	20525/836.5	10M QPSK(25,0)	0.265	0.137	-4.67	22.58	23.00	0.292	2025/7/14	
Top Side	20525/836.5	10M QPSK(25,0)	0.035	0.021	2.14	22.58	23.00	0.039	2025/7/14	
Bottom Side	20525/836.5	10M QPSK(25,0)	0.102	0.052	4.81	22.58	23.00	0.112	2025/7/14	

NOTE: 1.Hotspot SAR test results of LTE Band 5

2.Tested by : Max Zhou

1.1.6. SAR measurement Result of LTE Band 7

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	21100/2535	20M	0.539	0.307	-3.58	21.68	22.00	0.580	2025/7/18	18#

		QPSK(1,49)								
Back Side	21100/2535	20M QPSK(1,49)	0.143	0.081	-3.99	21.68	22.00	0.154	2025/7/18	
50%RB										
Front Side	21100/2535	20M QPSK(50,24)	0.317	0.179	-0.64	20.84	21.50	0.369	2025/7/18	
Back Side	21100/2535	20M QPSK(50,24)	0.078	0.048	-0.81	20.84	21.50	0.091	2025/7/18	

NOTE: 1.Body-Worn SAR test results of LTE Band 7
2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	21100/2535	20M QPSK(1,49)	0.539	0.307	-3.58	21.68	22.00	0.580	2025/7/18	18#
Back Side	21100/2535	20M QPSK(1,49)	0.143	0.081	-3.99	21.68	22.00	0.154	2025/7/18	
Right Side	21100/2535	20M QPSK(1,49)	0.513	0.281	-3.60	21.68	22.00	0.552	2025/7/18	
Top Side	21100/2535	20M QPSK(1,49)	0.056	0.031	-3.16	21.68	22.00	0.060	2025/7/18	
Bottom Side	21100/2535	20M QPSK(1,49)	0.112	0.062	-3.74	21.68	22.00	0.121	2025/7/18	
50%RB										
Front Side	21100/2535	20M QPSK(50,24)	0.317	0.179	-0.64	20.84	21.50	0.369	2025/7/18	
Back Side	21100/2535	20M QPSK(50,24)	0.078	0.048	-0.81	20.84	21.50	0.091	2025/7/18	
Right Side	21100/2535	20M QPSK(50,24)	0.290	0.161	-4.85	20.84	21.50	0.338	2025/7/18	
Top Side	21100/2535	20M QPSK(50,24)	0.029	0.017	3.36	20.84	21.50	0.034	2025/7/18	
Bottom Side	21100/2535	20M QPSK(50,24)	0.058	0.032	-0.25	20.84	21.50	0.068	2025/7/18	

NOTE: 1.Hotspot SAR test results of LTE Band 7
2.Tested by : Max Zhou

1.1.7. SAR measurement Result of LTE Band 12

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23095/707.5	10M QPSK(1,0)	0.447	0.237	-4.19	23.51	24.00	0.500	2025/7/13	19#
Back Side	23095/707.5	10M QPSK(1,0)	0.355	0.183	-0.12	23.51	24.00	0.397	2025/7/13	
50%RB										
Front Side	23095/707.5	10M QPSK(25,0)	0.238	0.132	1.24	22.50	23.00	0.267	2025/7/13	
Back Side	23095/707.5	10M QPSK(25,0)	0.184	0.100	-0.01	22.50	23.00	0.206	2025/7/13	

NOTE: 1.Body-Worn SAR test results of LTE Band 12

2.Tested by : Jack Peng

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23095/707.5	10M QPSK(1,0)	0.447	0.237	-4.19	23.51	24.00	0.500	2025/7/13	19#
Back Side	23095/707.5	10M QPSK(1,0)	0.355	0.183	-0.12	23.51	24.00	0.397	2025/7/13	
Right Side	23095/707.5	10M QPSK(1,0)	0.353	0.180	-2.16	23.51	24.00	0.395	2025/7/13	
Top Side	23095/707.5	10M QPSK(1,0)	0.046	0.024	-1.29	23.51	24.00	0.051	2025/7/13	
Bottom Side	23095/707.5	10M QPSK(1,0)	0.124	0.065	2.64	23.51	24.00	0.139	2025/7/13	
50%RB										
Front Side	23095/707.5	10M QPSK(25,0)	0.238	0.132	1.24	22.50	23.00	0.267	2025/7/13	
Back Side	23095/707.5	10M QPSK(25,0)	0.184	0.100	-0.01	22.50	23.00	0.206	2025/7/13	

Right Side	23095/707.5	10M QPSK(25,0)	0.203	0.094	-3.50	22.50	23.00	0.228	2025/7/13	
Top Side	23095/707.5	10M QPSK(25,0)	0.025	0.012	-1.51	22.50	23.00	0.028	2025/7/13	
Bottom Side	23095/707.5	10M QPSK(25,0)	0.069	0.038	2.99	22.50	23.00	0.077	2025/7/13	

NOTE: 1.Hotspot SAR test results of LTE Band 12

2.Tested by : Jack Peng

1.1.1. SAR measurement Result of LTE Band 17

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23790/710	10M QPSK(1,0)	0.446	0.251	2.97	23.60	24.00	0.489	2025/7/13	20#
Back Side	23790/710	10M QPSK(1,0)	0.348	0.192	-1.72	23.60	24.00	0.382	2025/7/13	
50%RB										
Front Side	23790/710	10M QPSK(25,0)	0.232	0.126	1.53	22.52	23.00	0.259	2025/7/13	
Back Side	23790/710	10M QPSK(25,0)	0.192	0.102	-2.08	22.52	23.00	0.214	2025/7/13	

NOTE: 1.Body-Worn SAR test results of LTE Band 17

2.Tested by : Jack Peng

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23790/710	10M QPSK(1,0)	0.446	0.251	2.97	23.60	24.00	0.489	2025/7/13	20#
Back Side	23790/710	10M QPSK(1,0)	0.348	0.192	-1.72	23.60	24.00	0.382	2025/7/13	
Right Side	23790/710	10M QPSK(1,0)	0.353	0.197	2.02	23.60	24.00	0.387	2025/7/13	
Top	23790/710	10M	0.045	0.025	-3.17	23.60	24.00	0.049	2025/7/13	

Side		QPSK(1,0)								
Bottom Side	23790/710	10M QPSK(1,0)	0.122	0.067	-3.76	23.60	24.00	0.134	2025/7/13	
50%RB										
Front Side	23790/710	10M QPSK(25,0)	0.232	0.126	1.53	22.52	23.00	0.259	2025/7/13	
Back Side	23790/710	10M QPSK(25,0)	0.192	0.102	-2.08	22.52	23.00	0.214	2025/7/13	
Right Side	23790/710	10M QPSK(25,0)	0.200	0.105	0.95	22.52	23.00	0.223	2025/7/13	
Top Side	23790/710	10M QPSK(25,0)	0.026	0.014	-4.44	22.52	23.00	0.029	2025/7/13	
Bottom Side	23790/710	10M QPSK(25,0)	0.061	0.036	-3.12	22.52	23.00	0.068	2025/7/13	

NOTE: 1.Hotspot SAR test results of LTE Band 17

2. Tested by : Jack Peng

1.1.1. SAR measurement Result of LTE Band 25

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26365/1882.5	20M QPSK(1,49)	0.584	0.326	3.14	23.52	24.00	0.652	2025/7/16	21#
Back Side	26365/1882.5	20M QPSK(1,49)	0.195	0.106	-1.27	23.52	24.00	0.218	2025/7/16	
50%RB										
Front Side	26365/1882.5	20M QPSK(25,49)	0.318	0.177	4.59	22.61	23.00	0.348	2025/7/16	
Back Side	26365/1882.5	20M QPSK(25,49)	0.098	0.057	-1.15	22.61	23.00	0.107	2025/7/16	

NOTE: 1.Body-Worn SAR test results of LTE Band 25

2. Tested by : Jack Peng

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						

1RB										
Front Side	26365/1882.5	20M QPSK(1,49)	0.584	0.326	3.14	23.52	24.00	0.652	2025/7/16	21#
Back Side	26365/1882.5	20M QPSK(1,49)	0.195	0.106	-1.27	23.52	24.00	0.218	2025/7/16	
Right Side	26365/1882.5	20M QPSK(1,49)	0.410	0.220	3.33	23.52	24.00	0.458	2025/7/16	
Top Side	26365/1882.5	20M QPSK(1,49)	0.019	0.017	2.27	23.52	24.00	0.021	2025/7/16	
Bottom Side	26365/1882.5	20M QPSK(1,49)	0.048	0.027	2.56	23.52	24.00	0.054	2025/7/16	
50%RB										
Front Side	26365/1882.5	20M QPSK(25,49)	0.318	0.177	4.59	22.61	23.00	0.348	2025/7/16	
Back Side	26365/1882.5	20M QPSK(25,49)	0.098	0.057	-1.15	22.61	23.00	0.107	2025/7/16	
Right Side	26365/1882.5	20M QPSK(25,49)	0.210	0.128	-4.35	22.61	23.00	0.230	2025/7/16	
Top Side	26365/1882.5	20M QPSK(25,49)	0.011	0.009	-1.52	22.61	23.00	0.012	2025/7/16	
Bottom Side	26365/1882.5	20M QPSK(25,49)	0.025	0.014	-0.22	22.61	23.00	0.027	2025/7/16	

NOTE: 1.Hotspot SAR test results of LTE Band 25

2. Tested by : Jack Peng

1.1.1. SAR measurement Result of LTE Band 26a

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26740/819	10M QPSK(1,0)	0.728	0.402	-2.92	23.62	24.00	0.795	2025/7/14	22#
Back Side	26740/819	10M QPSK(1,0)	0.548	0.303	-3.03	23.62	24.00	0.598	2025/7/14	
50%RB										
Front Side	26740/819	10M QPSK(25,0)	0.376	0.216	-1.50	22.46	22.50	0.379	2025/7/14	
Back Side	26740/819	10M QPSK(25,0)	0.306	0.173	3.00	22.46	22.50	0.309	2025/7/14	

NOTE: 1.Body-Worn SAR test results of LTE Band 26a
2.Tested by : Jack Peng

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26740/819	10M QPSK(1,0)	0.728	0.402	-2.92	23.62	24.00	0.795	2025/7/14	22#
Back Side	26740/819	10M QPSK(1,0)	0.548	0.303	-3.03	23.62	24.00	0.598	2025/7/14	
Right Side	26740/819	10M QPSK(1,0)	0.578	0.319	1.12	23.62	24.00	0.631	2025/7/14	
Top Side	26740/819	10M QPSK(1,0)	0.076	0.042	-2.30	23.62	24.00	0.083	2025/7/14	
Bottom Side	26740/819	10M QPSK(1,0)	0.197	0.108	-2.12	23.62	24.00	0.215	2025/7/14	
50%RB										
Front Side	26740/819	10M QPSK(25,0)	0.376	0.216	-1.50	22.46	22.50	0.379	2025/7/14	
Back Side	26740/819	10M QPSK(25,0)	0.306	0.173	3.00	22.46	22.50	0.309	2025/7/14	
Right Side	26740/819	10M QPSK(25,0)	0.346	0.165	-4.02	22.46	22.50	0.349	2025/7/14	
Top Side	26740/819	10M QPSK(25,0)	0.041	0.021	-3.30	22.46	22.50	0.041	2025/7/14	
Bottom Side	26740/819	10M QPSK(25,0)	0.105	0.062	-0.02	22.46	22.50	0.106	2025/7/14	

NOTE: 1.Hotspot SAR test results of LTE Band 26a
2.Tested by : Jack Peng

1.1.1. SAR measurement Result of LTE Band 26b

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			(W/kg)							
			1-g	10-g						
1RB										
Front Side	26865/831.5	15M	0.649	0.338	-0.52	23.57	24.00	0.717	2025/7/14	23#

		QPSK(1,37)								
Back Side	26865/831.5	15M QPSK(1,37)	0.511	0.263	2.85	23.57	24.00	0.564	2025/7/14	
50%RB										
Front Side	26865/831.5	15M QPSK(36,18)	0.361	0.203	-2.13	22.52	23.00	0.403	2025/7/14	
Back Side	26865/831.5	15M QPSK(36,18)	0.264	0.140	3.09	22.52	23.00	0.295	2025/7/14	

NOTE: 1.Body-Worn SAR test results of LTE Band 26b
2.Tested by : Jack Peng

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26865/831.5	15M QPSK(1,37)	0.649	0.338	-0.52	23.57	24.00	0.717	2025/7/14	23#
Back Side	26865/831.5	15M QPSK(1,37)	0.511	0.263	2.85	23.57	24.00	0.564	2025/7/14	
Right Side	26865/831.5	15M QPSK(1,37)	0.518	0.256	-3.01	23.57	24.00	0.572	2025/7/14	
Top Side	26865/831.5	15M QPSK(1,37)	0.068	0.035	-3.33	23.57	24.00	0.075	2025/7/14	
Bottom Side	26865/831.5	15M QPSK(1,37)	0.176	0.090	-2.83	23.57	24.00	0.194	2025/7/14	
50%RB										
Front Side	26865/831.5	15M QPSK(36,18)	0.361	0.203	-2.13	22.52	23.00	0.403	2025/7/14	
Back Side	26865/831.5	15M QPSK(36,18)	0.264	0.140	3.09	22.52	23.00	0.295	2025/7/14	
Right Side	26865/831.5	15M QPSK(36,18)	0.272	0.146	2.23	22.52	23.00	0.304	2025/7/14	
Top Side	26865/831.5	15M QPSK(36,18)	0.038	0.019	0.48	22.52	23.00	0.042	2025/7/14	
Bottom Side	26865/831.5	15M QPSK(36,18)	0.090	0.049	2.75	22.52	23.00	0.101	2025/7/14	

NOTE: 1.Hotspot SAR test results of LTE Band 26b
2.Tested by : Jack Peng

1.1.2. SAR measurement Result of LTE Band 66

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	132322/1745	20M QPSK(1,99)	0.397	0.227	-2.24	23.51	24.00	0.444	2025/7/15	24#
Back Side	132322/1745	20M QPSK(1,99)	0.139	0.079	1.80	23.51	24.00	0.156	2025/7/15	
50%RB										
Front Side	132322/1745	20M QPSK(50,49)	0.236	0.135	2.02	22.36	23.00	0.273	2025/7/15	
Back Side	132322/1745	20M QPSK(50,49)	0.072	0.044	1.27	0.00	0.00	0.072	2025/7/15	

NOTE: 1.Body-Worn SAR test results of LTE Band 66

2.Tested by : Max Zhou

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	132322/1745	20M QPSK(1,99)	0.397	0.227	-2.24	23.51	24.00	0.444	2025/7/15	24#
Back Side	132322/1745	20M QPSK(1,99)	0.139	0.079	1.80	23.51	24.00	0.156	2025/7/15	
Right Side	132322/1745	20M QPSK(1,99)	0.260	0.143	-1.53	23.51	24.00	0.291	2025/7/15	
Top Side	132322/1745	20M QPSK(1,99)	0.013	0.011	3.10	23.51	24.00	0.015	2025/7/15	
Bottom Side	132322/1745	20M QPSK(1,99)	0.033	0.018	1.29	23.51	24.00	0.037	2025/7/15	
50%RB										
Front Side	132322/1745	20M QPSK(50,49)	0.236	0.135	2.02	22.36	23.00	0.273	2025/7/15	
Back	132322/1745	20M	0.072	0.044	1.27	0.00	0.00	0.072	2025/7/15	

Side		QPSK(50,49)								
Right Side	132322/1745	20M QPSK(50,49)	0.152	0.081	-4.31	0.00	0.00	0.152	2025/7/15	
Top Side	132322/1745	20M QPSK(50,49)	0.008	0.006	-1.79	0.00	0.00	0.008	2025/7/15	
Bottom Side	132322/1745	20M QPSK(50,49)	0.018	0.011	1.79	0.00	0.00	0.018	2025/7/15	

NOTE:1. Hotspot SAR test results of LTE Band 66
2. Tested by : Max Zhou

1.1.1. SAR measurement Result of NR 78

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tuned power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	641666/3624.99	100M QPSK(1,1)	0.324	0.113	-2.12	24.67	25.00	0.350	2025/8/19	25#
Back Side	641666/3624.99	100M QPSK(1,1)	0.037	0.013	-0.34	24.67	25.00	0.040	2025/8/19	
50%RB										
Front Side	641666/3624.99	100M QPSK(135,67)	0.186	0.065	2.34	23.58	24.00	0.205	2025/8/19	
Back Side	641666/3624.99	100M QPSK(135,67)	0.020	0.008	0.62	23.58	24.00	0.022	2025/8/19	

NOTE: 1.Body-Worn SAR test results of LTE NR 78
2. Tested by : Max Zhou

Test Positio n of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Pow er Drift(%)	Conducte d Power (dBm)	Tune-u p Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plo t
			1-g	10-g						
1RB										
Front Side	641666/3624.99	100M QPSK(1,1)	0.324	0.113	-2.12	24.67	25.00	0.350	2025/8/19	25#

Back Side	641666/3624.99	100M QPSK(1,1)	0.037	0.013	-0.34	24.67	25.00	0.040	2025/8/1 9	
Left Side	641666/3624.99	100M QPSK(1,1)	0.022	0.010	-3.20	24.67	25.00	0.024	2025/8/1 9	
Right Side	641666/3624.99	100M QPSK(1,1)	0.010	0.008	2.40	24.67	25.00	0.011	2025/8/1 9	
Bottom Side	641666/3624.99	100M QPSK(1,1)	0.312	0.109	1.53	24.67	25.00	0.337	2025/8/1 9	
50%RB										
Front Side	641666/3624.99	100M QPSK(135, 67)	0.186	0.065	2.34	23.58	24.00	0.205	2025/8/1 9	
Back Side	641666/3624.99	100M QPSK(135, 67)	0.020	0.008	0.62	23.58	24.00	0.022	2025/8/1 9	
Left Side	641666/3624.99	100M QPSK(135, 67)	0.013	0.005	-1.84	23.58	24.00	0.014	2025/8/1 9	
Right Side	641666/3624.99	100M QPSK(135, 67)	0.005	0.004	4.97	23.58	24.00	0.006	2025/8/1 9	
Bottom Side	641666/3624.99	100M QPSK(135, 67)	0.167	0.063	2.94	23.58	24.00	0.184	2025/8/1 9	

NOTE:1. Hotspot SAR test results of NR 78

2. Tested by : Max Zhou

1.1.2. SAR measurement Result of WLAN 2.4G

Ant1

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11b	0.287	0.115	1.68	14.96	15.50	0.325	2025/7/17	12#
Back Side	6/2437	802.11b	0.096	0.038	2.32	14.96	15.50	0.109	2025/7/17	

NOTE: 1.Body-Worn SAR test results of WLAN 2.4G
2. Tested by : Max Zhou

Ant1

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11b	0.287	0.115	1.68	14.96	15.50	0.325	2025/7/17	12#
Back Side	6/2437	802.11b	0.096	0.038	2.32	14.96	15.50	0.109	2025/7/17	
Right Side	6/2437	802.11b	0.160	0.063	1.06	14.96	15.50	0.181	2025/7/17	
Top Side	6/2437	802.11b	0.118	0.045	1.57	14.96	15.50	0.134	2025/7/17	

NOTE:1. Hotspot SAR test results of WLAN 2.4G
2. Tested by : Max Zhou

Ant2

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11b	0.052	0.022	-2.21	16.21	16.50	0.056	2025/7/17	
Back Side	6/2437	802.11b	0.051	0.021	-3.39	16.21	16.50	0.055	2025/7/17	

NOTE: 1.Body-Worn SAR test results of WLAN 2.4G
2. Tested by : Max Zhou

Ant2

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11b	0.052	0.022	-2.21	16.21	16.50	0.056	2025/7/17	
Back Side	6/2437	802.11b	0.051	0.021	-3.39	16.21	16.50	0.055	2025/7/17	
Left Side	6/2437	802.11b	0.121	0.052	0.43	16.21	16.50	0.129	2025/7/17	13#
Top Side	6/2437	802.11b	0.026	0.011	0.45	16.21	16.50	0.028	2025/7/17	

NOTE:1. Hotspot SAR test results of WLAN 2.4G
2. Tested by : Max Zhou

MIMO

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11n HT20	0.326	0.129	2.00	16.44	16.56	0.335	2025/7/17	14#
Back Side	6/2437	802.11n HT20	0.105	0.040	0.11	16.44	16.56	0.108	2025/7/17	

NOTE: 1.Body-Worn SAR test results of WLAN 2.4G
2. Tested by : Max Zhou

MIMO

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11n HT20	0.326	0.129	2.00	16.44	16.56	0.335	2025/7/17	14#
Back Side	6/2437	802.11n HT20	0.105	0.040	0.11	16.44	16.56	0.108	2025/7/17	
Left Side	6/2437	802.11n HT20	0.193	0.076	-3.58	16.44	16.56	0.198	2025/7/17	
Top Side	6/2437	802.11n HT20	0.122	0.047	-0.41	16.44	16.56	0.125	2025/7/17	

NOTE:1. Hotspot SAR test results of WLAN 2.4G
2. Tested by : Max Zhou

1.1.3. SAR measurement Result of WLAN 5.2G

Ant 1

Test Position of Body-Worn with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	40/5200	802.11n HT20	0.156	0.049	-3.55	11.90	12.50	0.179	2025/7/10	
Back Side	40/5200	802.11n HT20	0.093	0.030	-2.85	11.90	12.50	0.107	2025/7/10	

NOTE: 1.Body-Worn SAR test results of WLAN 5.2G

2.Tested by : Max Zhou

Ant 1

Test Position of Hotspot with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	40/5200	802.11n HT20	0.156	0.049	-3.55	11.90	12.50	0.179	2025/7/10	
Back Side	40/5200	802.11n HT20	0.093	0.030	-2.85	11.90	12.50	0.107	2025/7/10	
Right Side	40/5200	802.11n HT20	0.102	0.034	-1.55	11.90	12.50	0.117	2025/7/10	
Top Side	40/5200	802.11n HT20	0.283	0.093	-3.92	11.90	12.50	0.325	2025/7/10	6#

NOTE: 1.Hotspot SAR test results of WLAN 5.2G

2.Tested by : Max Zhou

Ant 2

Test Position of Body-Worn with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	36/5180	802.11a	0.110	0.033	0.43	11.60	12.00	0.121	2025/7/10	
Back Side	36/5180	802.11a	0.075	0.023	0.24	11.60	12.00	0.082	2025/7/10	

NOTE: 1.Body-Worn SAR test results of WLAN 5.2G

2.Tested by : Max Zhou

Ant 2

Test Position of Hotspot with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	36/5180	802.11a	0.110	0.033	0.43	11.60	12.00	0.121	2025/7/10	
Back Side	36/5180	802.11a	0.075	0.023	0.24	11.60	12.00	0.082	2025/7/10	
Left Side	36/5180	802.11a	0.457	0.144	4.97	11.60	12.00	0.501	2025/7/10	7#
Top Side	36/5180	802.11a	0.024	0.007	1.73	11.60	12.00	0.026	2025/7/10	

NOTE: 1.Hotspot SAR test results of WLAN 5.2G

2.Tested by : Max Zhou

MIMO

Test Position of Body-Worn with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	48/5240	802.11a	0.163	0.054	-3.05	15.26	15.50	0.172	2025/7/10	
Back Side	48/5240	802.11a	0.144	0.050	1.02	15.26	15.50	0.152	2025/7/10	

NOTE: 1.Body-Worn SAR test results of WLAN 5.2G

2.Tested by : Max Zhou

MIMO

Test Position of Hotspot with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	48/5240	802.11a	0.163	0.054	-3.05	15.26	15.50	0.172	2025/7/10	
Back Side	48/5240	802.11a	0.144	0.050	1.02	15.26	15.50	0.152	2025/7/10	
Left Side	48/5240	802.11a	0.330	0.114	4.88	15.26	15.50	0.349	2025/7/10	8#
Top Side	48/5240	802.11a	0.190	0.066	-0.21	15.26	15.50	0.201	2025/7/10	

NOTE: 1.Hotspot SAR test results of WLAN 5.2G

2.Tested by : Max Zhou

1.1.4. SAR measurement Result of WLAN 5.8G

Ant1

Test Position of Body-Worn with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	157/5785	802.11a	0.198	0.061	-2.52	11.91	12.50	0.227	2025/7/12	
Back Side	157/5785	802.11a	0.117	0.035	-0.21	11.91	12.50	0.134	2025/7/12	

NOTE:1. Body-Worn SAR test results of WLAN 5.8G

2. Tested by : Max Zhou

Ant1

Test Position of Hotspot with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	157/5785	802.11a	0.198	0.061	-2.52	11.91	12.50	0.227	2025/7/12	
Back Side	157/5785	802.11a	0.117	0.035	-0.21	11.91	12.50	0.134	2025/7/12	
Right Side	157/5785	802.11a	0.130	0.039	-0.38	11.91	12.50	0.149	2025/7/12	
Top Side	157/5785	802.11a	0.369	0.114	1.97	11.91	12.50	0.423	2025/7/12	9#

NOTE: 1. Hotspot SAR test results of WLAN 5.8G

2. Tested by : Max Zhou

Ant2

Test Position of Body-Worn with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	157/5785	802.11a	0.077	0.026	2.51	13.50	14.00	0.086	2025/7/12	
Back Side	157/5785	802.11a	0.059	0.020	-1.96	13.50	14.00	0.066	2025/7/12	

NOTE:1. Body-Worn SAR test results of WLAN 5.8G

2. Tested by : Max Zhou

Ant2

Test Position of Hotspot with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	157/5785	802.11a	0.077	0.026	2.51	13.50	14.00	0.086	2025/7/12	
Back Side	157/5785	802.11a	0.059	0.020	-1.96	13.50	14.00	0.066	2025/7/12	
Left Side	157/5785	802.11a	0.335	0.119	3.08	13.50	14.00	0.376	2025/7/12	11#
Top Side	157/5785	802.11a	0.019	0.017	-1.27	13.50	14.00	0.021	2025/7/12	

NOTE: 1.Hotspot SAR test results of WLAN 5.8G
2. Tested by : Max Zhou

MIMO

Test Position of Body-Worn with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	157/5785	802.11n HT20	0.168	0.056	-1.92	15.42	16.00	0.192	2025/7/12	
Back Side	157/5785	802.11n HT20	0.136	0.047	-3.64	15.42	16.00	0.155	2025/7/12	

NOTE:1. Body-Worn SAR test results of WLAN 5.8G
2. Tested by : Max Zhou

MIMO

Test Position of Hotspot with 0mm	Test channel /Freq	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	157/5785	802.11n HT20	0.168	0.056	-1.92	15.42	16.00	0.192	2025/7/12	
Back Side	157/5785	802.11n HT20	0.136	0.047	-3.64	15.42	16.00	0.155	2025/7/12	
Left Side	157/5785	802.11n HT20	0.303	0.105	-4.89	15.42	16.00	0.346	2025/7/12	10#

Top Side	157/5785	802.11n HT20	0.196	0.067	0.00	15.42	16.00	0.224	2025/7/12	
----------	----------	-----------------	-------	-------	------	-------	-------	-------	-----------	--

NOTE: 1.Hotspot SAR test results of WLAN 5.8G
2.Tested by : Max Zhou

1.2. SAR Summation Scenario

Per KDB 447498 D01, simultaneous transmission SAR is compliant if,

- 1) Scalar SAR summation $< 1.6\text{W/kg}$.
- 2) $\text{SPLSR} = (\text{SAR}_1 + \text{SAR}_2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan. If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DTS			
Hotspot	Front Side	0.795	0.335	1.13	N/A	N/A
	Back Side	0.757	0.109	0.866	N/A	N/A
Body	Front Side	0.024	0.198	0.222	N/A	N/A
	Back Side	0.631	0.181	0.812	N/A	N/A
	Left Side	0.083	0.134	0.217	N/A	N/A
	Right Side	0.337	N/A	0.337	N/A	N/A
	Top Side	0.024	0.198	0.222	N/A	N/A
	Bottom Side	0.631	0.181	0.812	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	NII			
Hotspot	Front Side	0.795	0.227	1.022	N/A	N/A
	Back Side	0.757	0.155	0.912	N/A	N/A
Body	Front Side	0.024	0.501	0.525	N/A	N/A
	Back Side	0.631	0.149	0.78	N/A	N/A
	Left Side	0.083	0.423	0.506	N/A	N/A
	Right Side	0.337	N/A	0.337	N/A	N/A
	Top Side	0.795	0.227	1.022	N/A	N/A
	Bottom Side	0.757	0.155	0.912	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DSS			
Hotspot	Front Side	0.795	0.149	0.944	N/A	N/A
	Back Side	0.757	0.149	0.906	N/A	N/A

Body	Front Side	0.795	0.149	0.944	N/A	N/A
	Back Side	0.757	0.149	0.906	N/A	N/A
	Left Side	0.024	0.149	0.173	N/A	N/A
	Right Side	0.631	0.149	0.78	N/A	N/A
	Top Side	0.083	0.149	0.232	N/A	N/A
	Bottom Side	0.337	N/A	0.337	N/A	N/A

2. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

3. Appendix B. System Check Plots

Table of contents
MEASUREMENT 1 System Performance Check - 750MHz
MEASUREMENT 2 System Performance Check - 835MHz
MEASUREMENT 3 System Performance Check - 1800MHz
MEASUREMENT 4 System Performance Check - 1900MHz
MEASUREMENT 5 System Performance Check - 2300MHz
MEASUREMENT 6 System Performance Check - 2450MHz
MEASUREMENT 7 System Performance Check - 2600MHz
MEASUREMENT 8 System Performance Check - 3500MHz
MEASUREMENT 9 System Performance Check - 5200MHz
MEASUREMENT 10 System Performance Check - 5400MHz
MEASUREMENT 11 System Performance Check - 5800MHz

1# System check at 750 MHz
Date of measurement: 13/7/2025

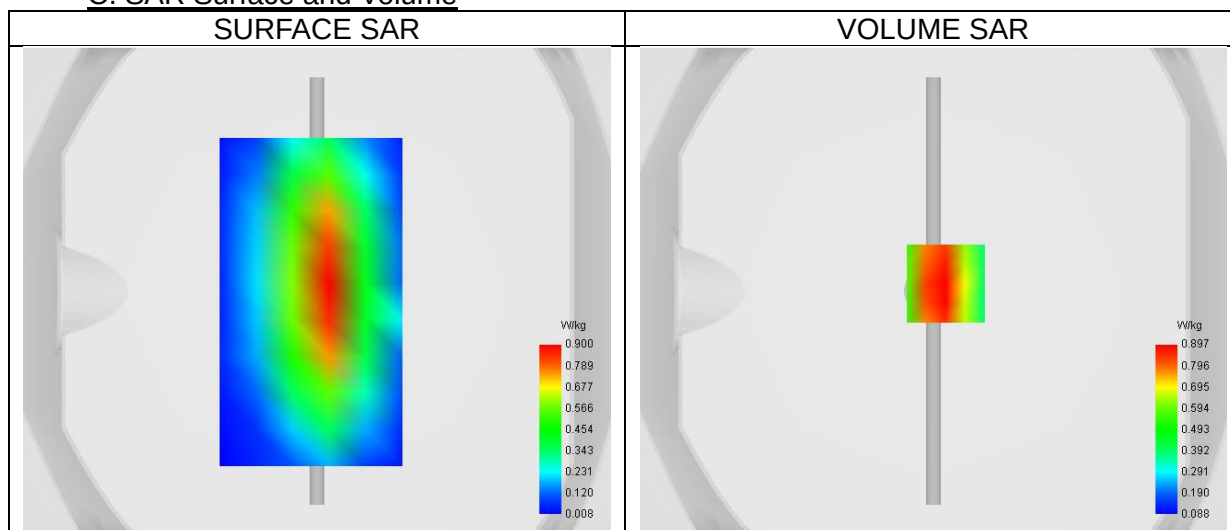
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	750.00
Relative permittivity (real part)	40.65
Relative permittivity (imaginary part)	21.34
Conductivity (S/m)	0.89

C. SAR Surface and Volume



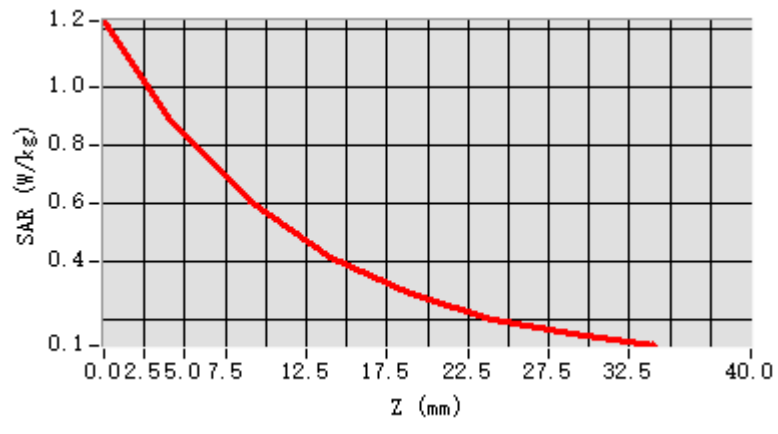
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.26 W/kg

D. SAR 1g & 10g

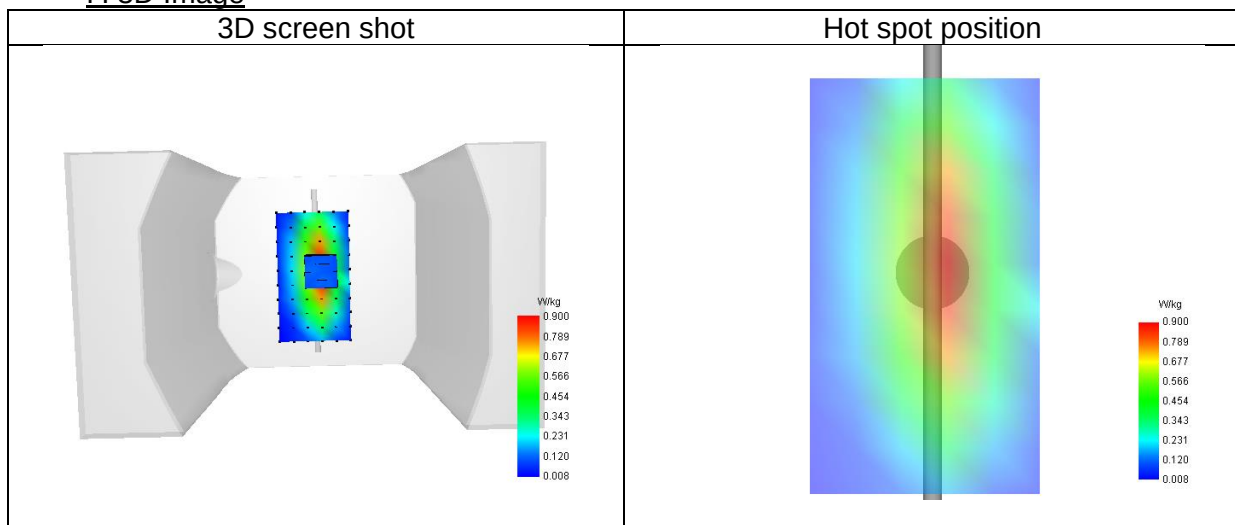
SAR 10g (W/Kg)	0.548
SAR 1g (W/Kg)	0.870
Variation (%)	-0.29
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	67.34

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.227	0.897	0.604	0.409	0.289	0.198	0.150



F. 3D Image



2# System check at 835 MHz
Date of measurement: 14/7/2025

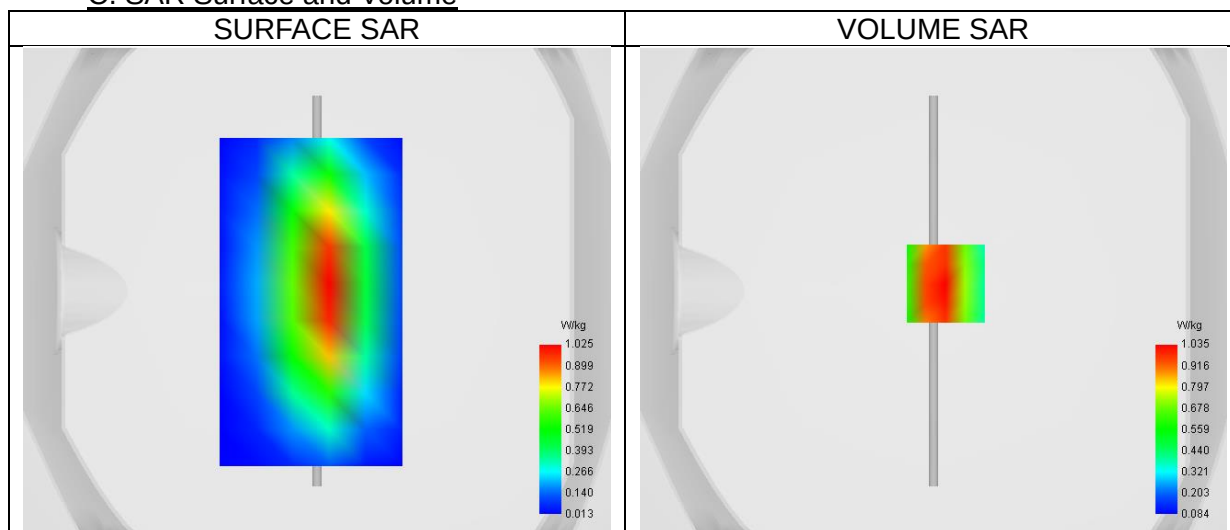
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	835.00
Relative permittivity (real part)	42.21
Relative permittivity (imaginary part)	19.97
Conductivity (S/m)	0.93

C. SAR Surface and Volume



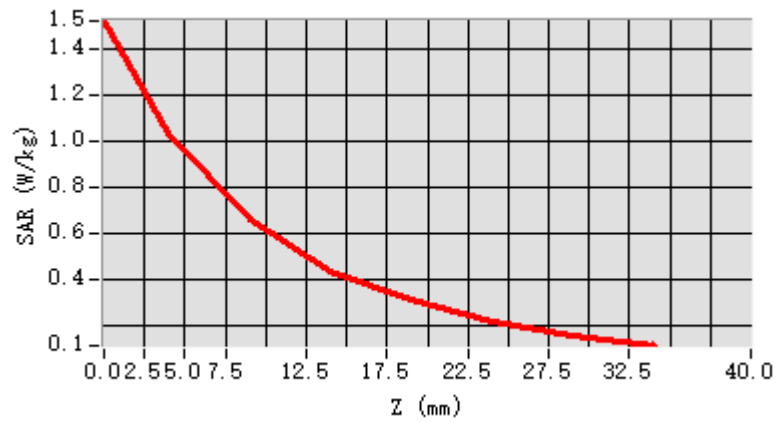
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.57 W/kg

D. SAR 1g & 10g

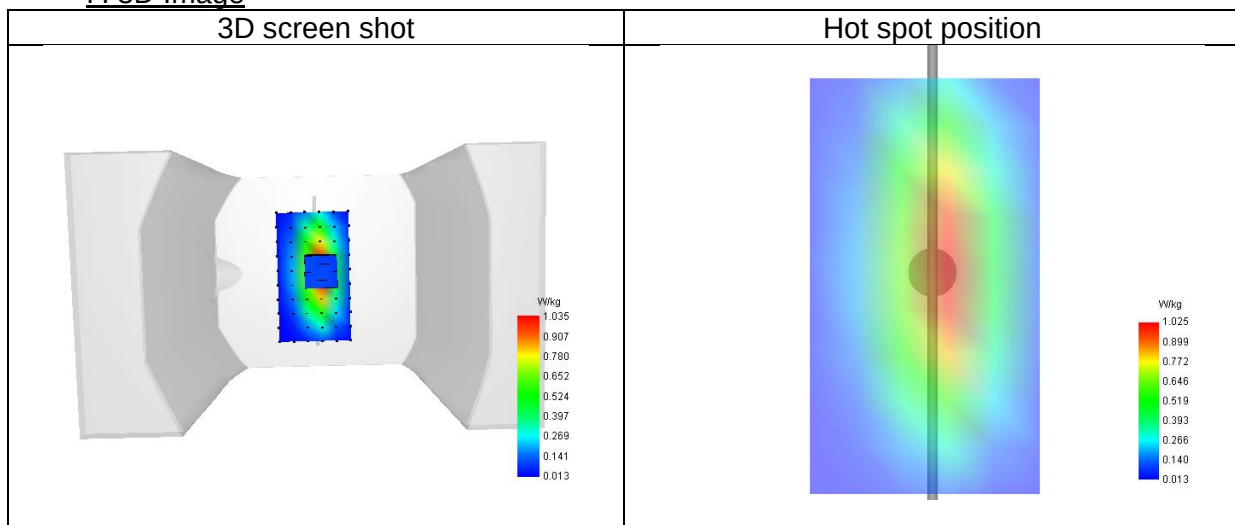
SAR 10g (W/Kg)	0.602
SAR 1g (W/Kg)	1.009
Variation (%)	-0.29
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	63.77

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.517	1.035	0.660	0.436	0.317	0.214	0.156



F. 3D Image



3# System check at 1800 MHz

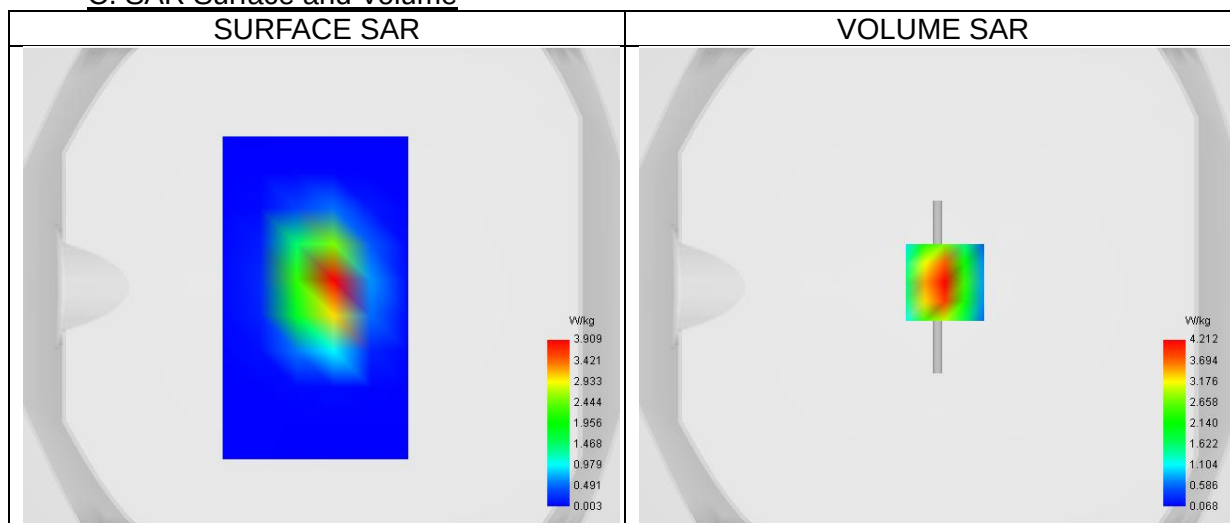
Date of measurement: 15/7/2025

A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1800.00
Relative permittivity (real part)	38.94
Relative permittivity (imaginary part)	13.93
Conductivity (S/m)	1.39

C. SAR Surface and Volume

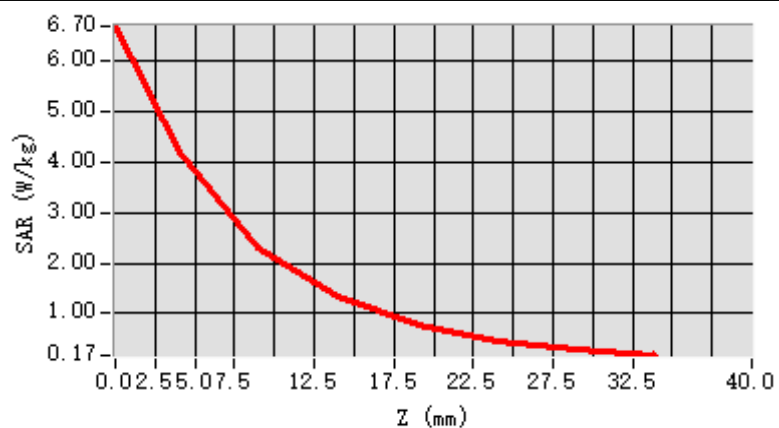
Maximum location: X=3.00, Y=2.00 ; SAR Peak: 6.79 W/kg

D. SAR 1g & 10g

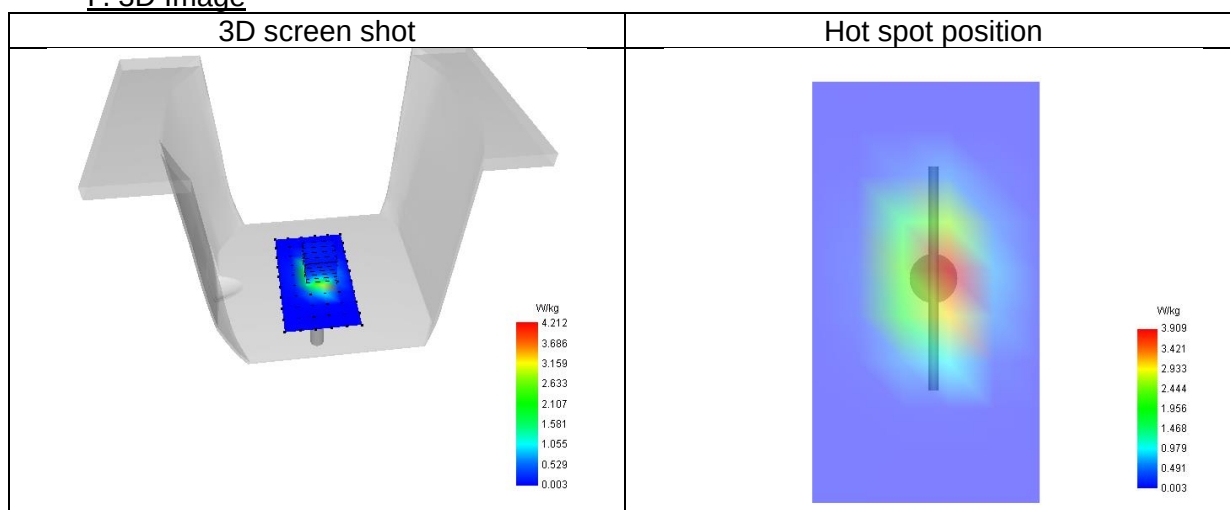
SAR 10g (W/Kg)	2.020
SAR 1g (W/Kg)	3.999
Variation (%)	-0.04
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	54.78

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.697	4.212	2.307	1.321	0.772	0.457	0.277



F. 3D Image



4# System check at 1900 MHz
Date of measurement: 16/7/2025

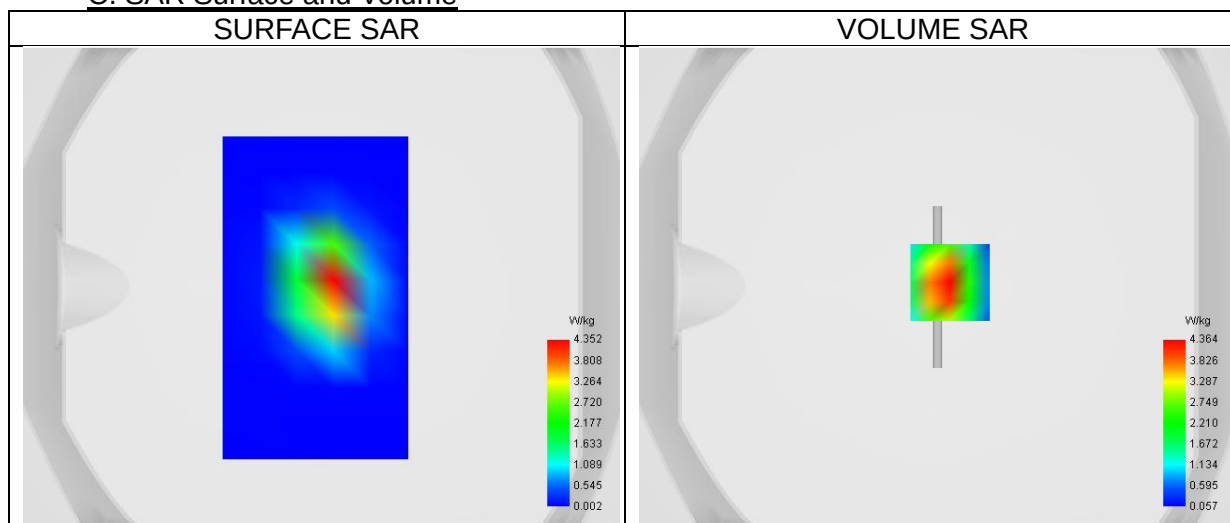
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1900.00
Relative permittivity (real part)	38.33
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.44

C. SAR Surface and Volume



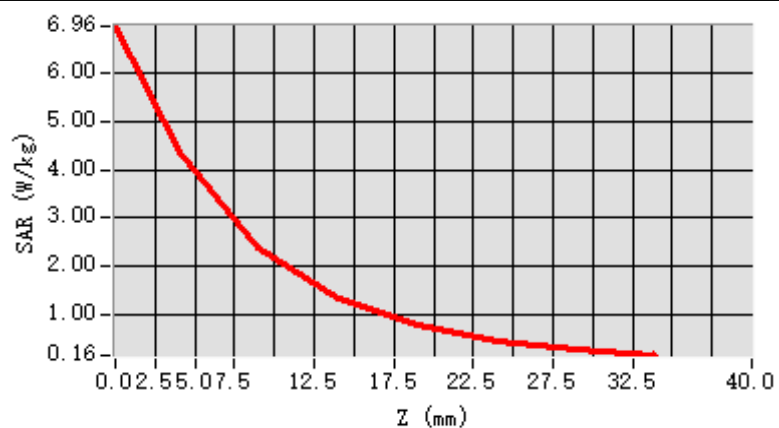
Maximum location: X=5.00, Y=2.00 ; SAR Peak: 7.16 W/kg

D. SAR 1g & 10g

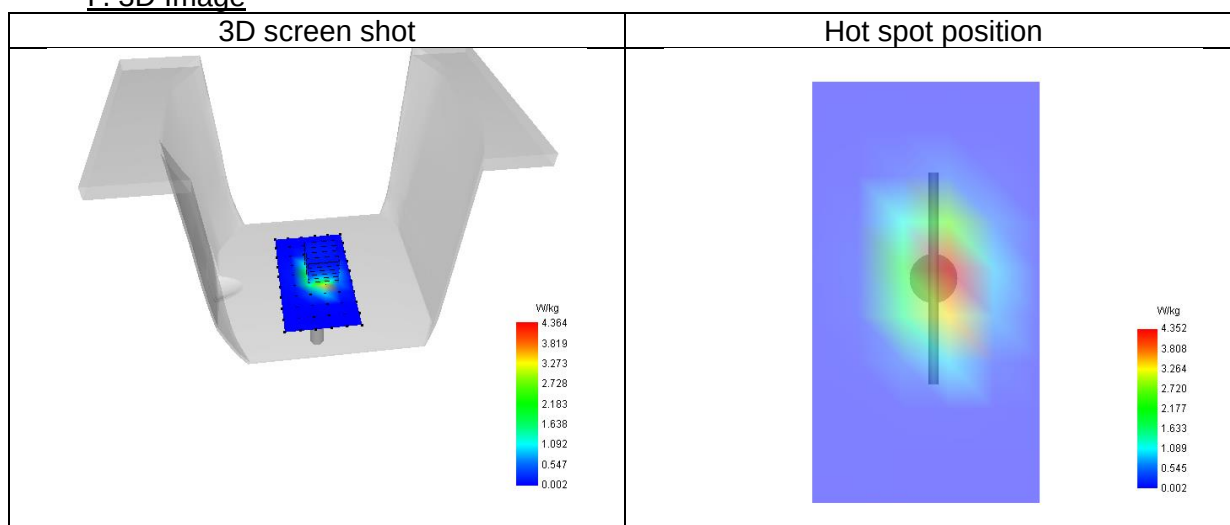
SAR 10g (W/Kg)	2.115
SAR 1g (W/Kg)	4.301
Variation (%)	-0.31
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	54.35

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.964	4.364	2.372	1.347	0.772	0.455	0.268



F. 3D Image



5# System check at 2450 MHz

Date of measurement: 17/7/2025

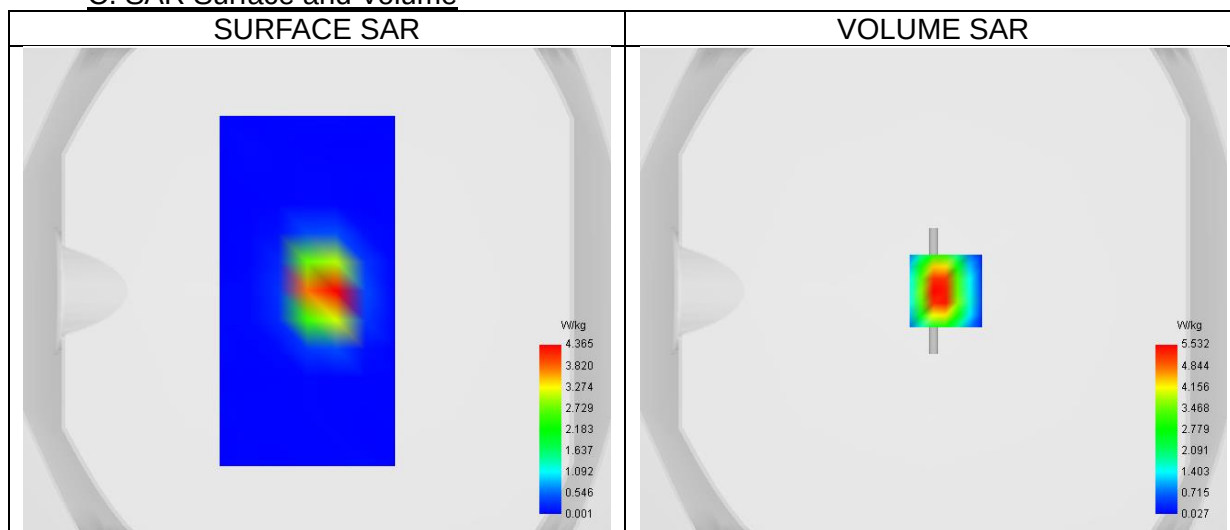
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2450.00
Relative permittivity (real part)	38.47
Relative permittivity (imaginary part)	13.56
Conductivity (S/m)	1.85

C. SAR Surface and Volume



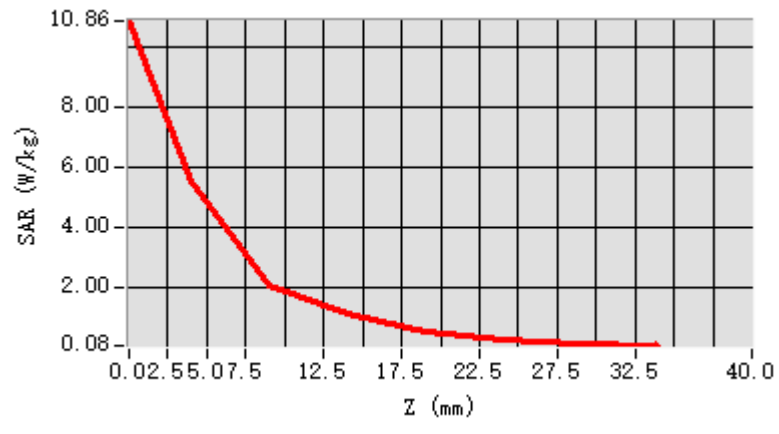
Maximum location: X=5.00, Y=0.00 ; SAR Peak: 10.13 W/kg

D. SAR 1g & 10g

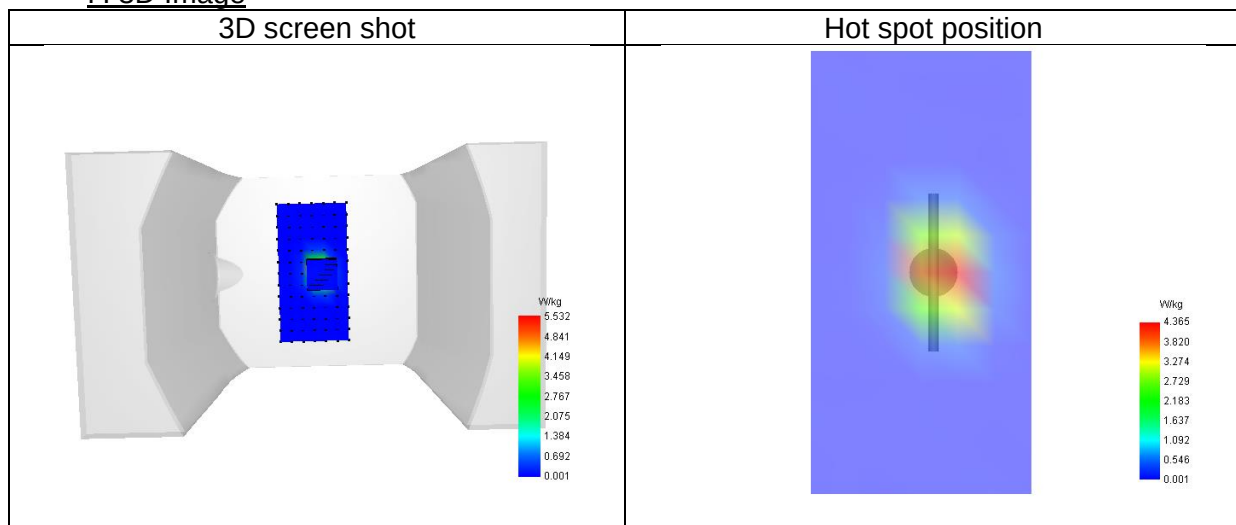
SAR 10g (W/Kg)	2.198
SAR 1g (W/Kg)	5.250
Variation (%)	0.78
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	46.95

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.863	5.532	2.083	1.152	0.539	0.314	0.140



F. 3D Image



6# System check at 2600 MHz
Date of measurement: 18/7/2025

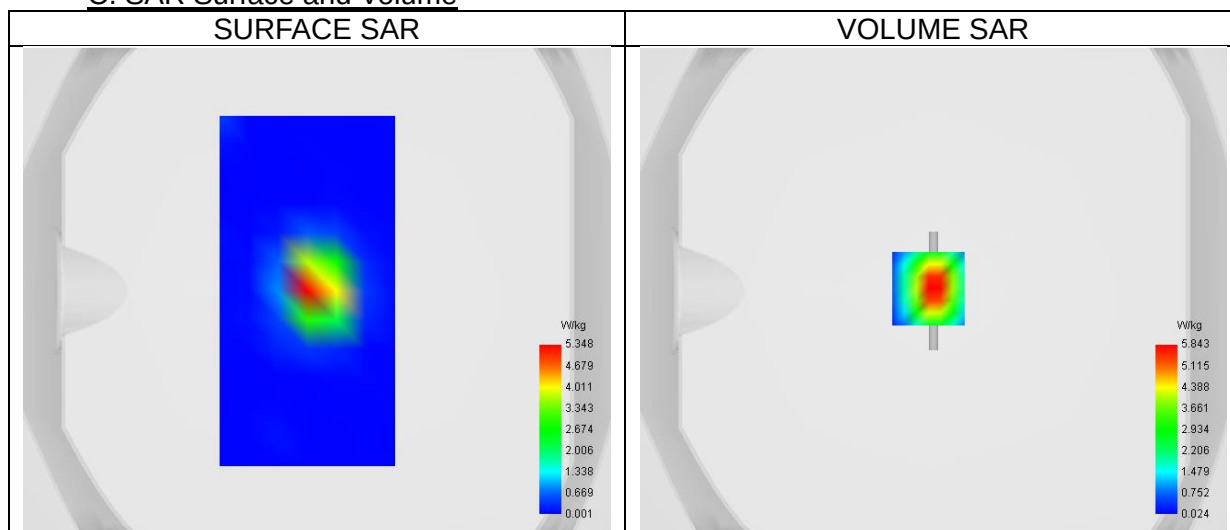
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2600.00
Relative permittivity (real part)	39.42
Relative permittivity (imaginary part)	13.55
Conductivity (S/m)	1.96

C. SAR Surface and Volume



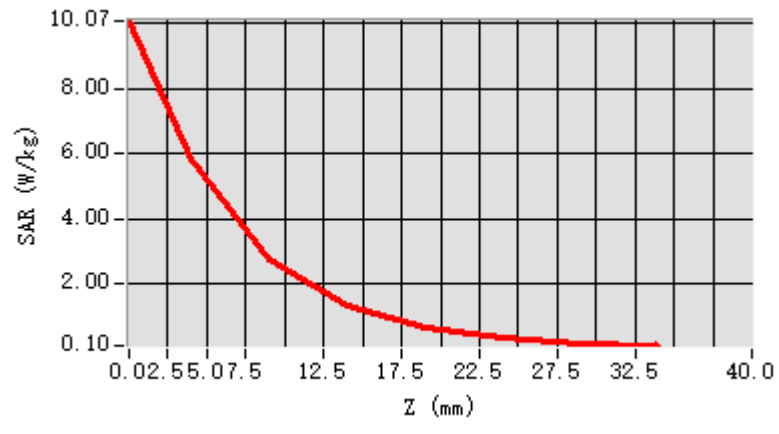
Maximum location: X=-2.00, Y=1.00 ; SAR Peak: 10.47 W/kg

D. SAR 1g & 10g

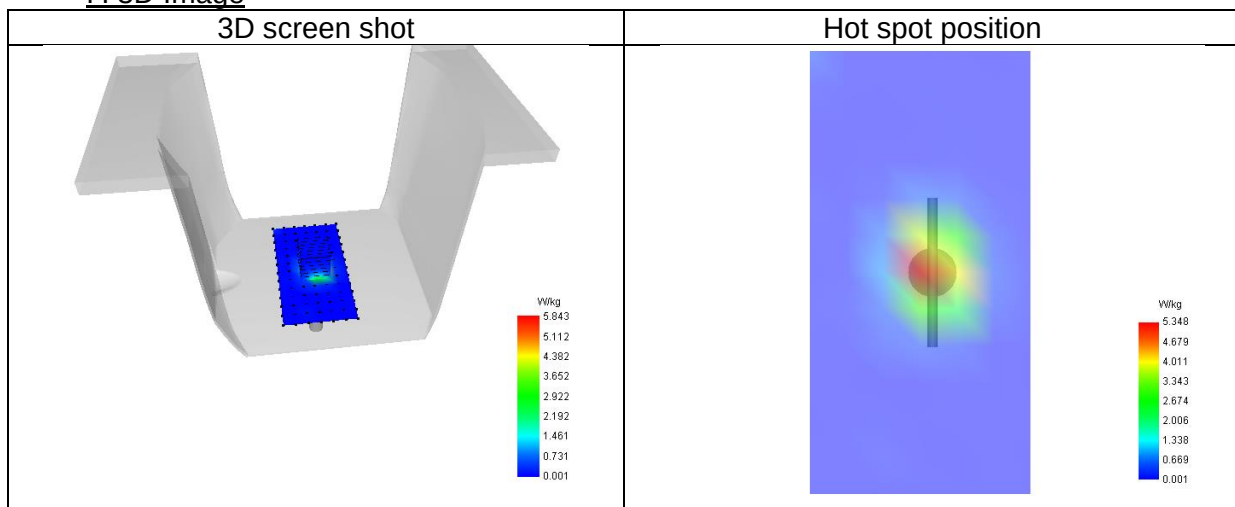
SAR 10g (W/Kg)	2.383
SAR 1g (W/Kg)	5.521
Variation (%)	0.60
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	47.31

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.070	5.843	2.764	1.355	0.668	0.326	0.186



F. 3D Image



7# System check at 3500 MHz

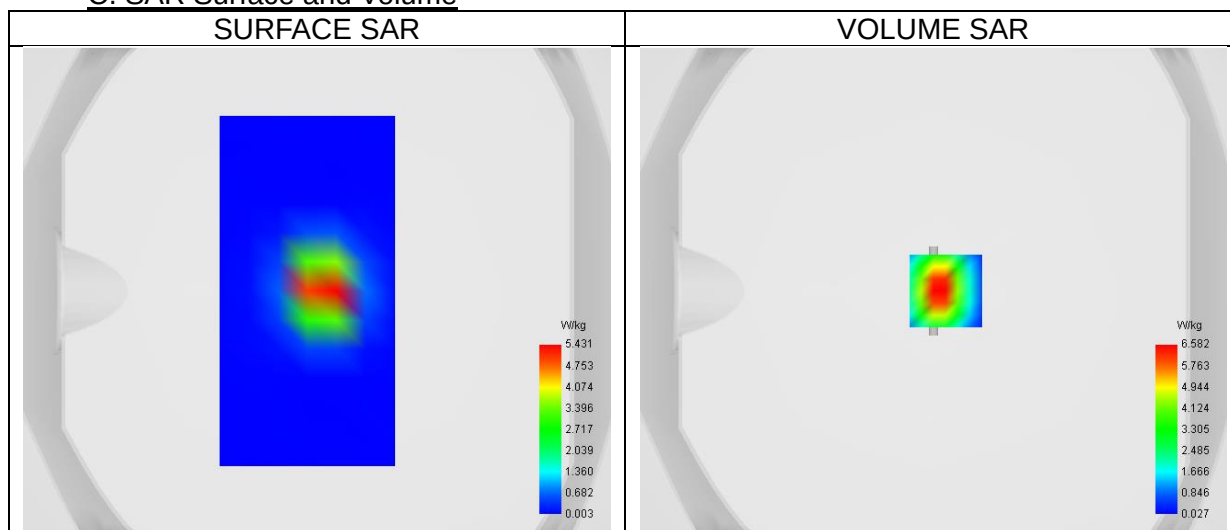
Date of measurement: 19/8/2025

A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	3500.00
Relative permittivity (real part)	37.58
Relative permittivity (imaginary part)	14.44
Conductivity (S/m)	2.81

C. SAR Surface and Volume

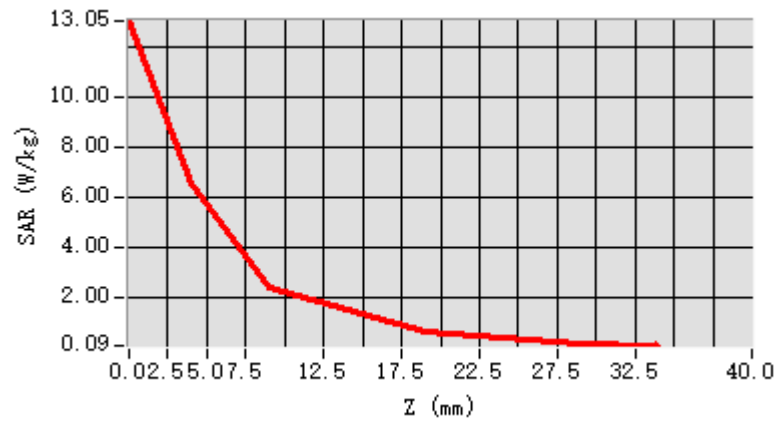
Maximum location: X=5.00, Y=0.00 ; SAR Peak: 11.73 W/kg

D. SAR 1g & 10g

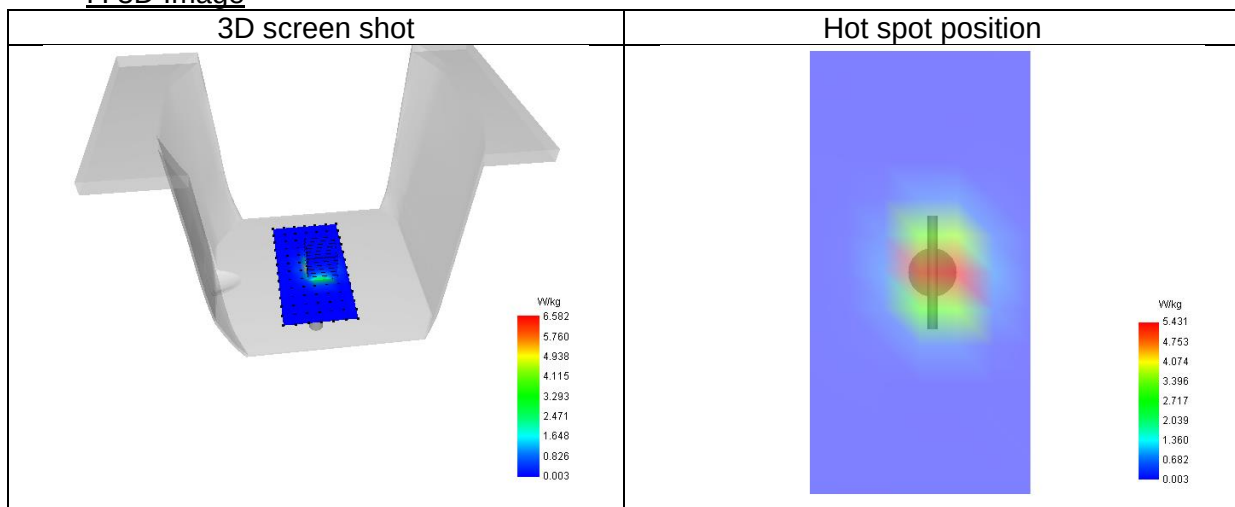
SAR 10g (W/Kg)	2.659
SAR 1g (W/Kg)	6.171
Variation (%)	-0.55
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	47.92

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	13.053	6.582	2.388	1.546	0.643	0.385	0.171



F. 3D Image



8# System check at 5200 MHz
3Date of measurement: 10/7/2025

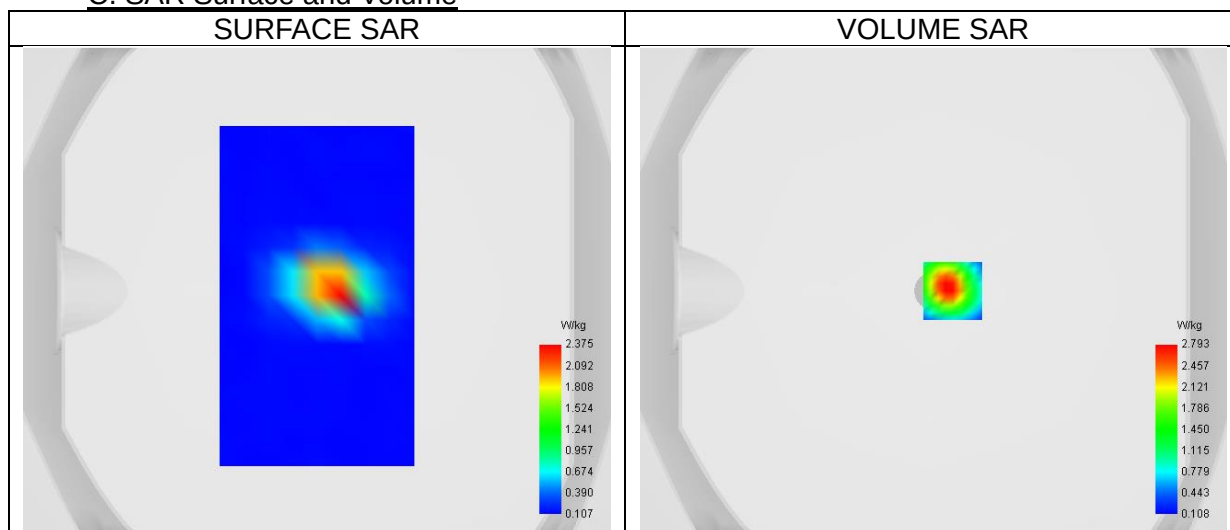
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.37
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	9x9x16,dx=3mm dy=3mm dz=1.5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CW5200
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	5200.000
Relative permittivity (real part)	37.29
Relative permittivity (imaginary part)	15.77
Conductivity (S/m)	4.56

C. SAR Surface and Volume



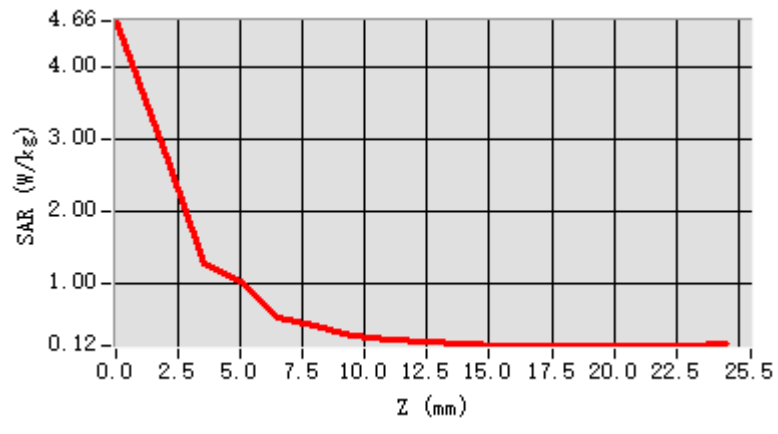
Maximum location: X=8.00, Y=0.00 ; SAR Peak: 5.11 W/kg

D. SAR 1g & 10g

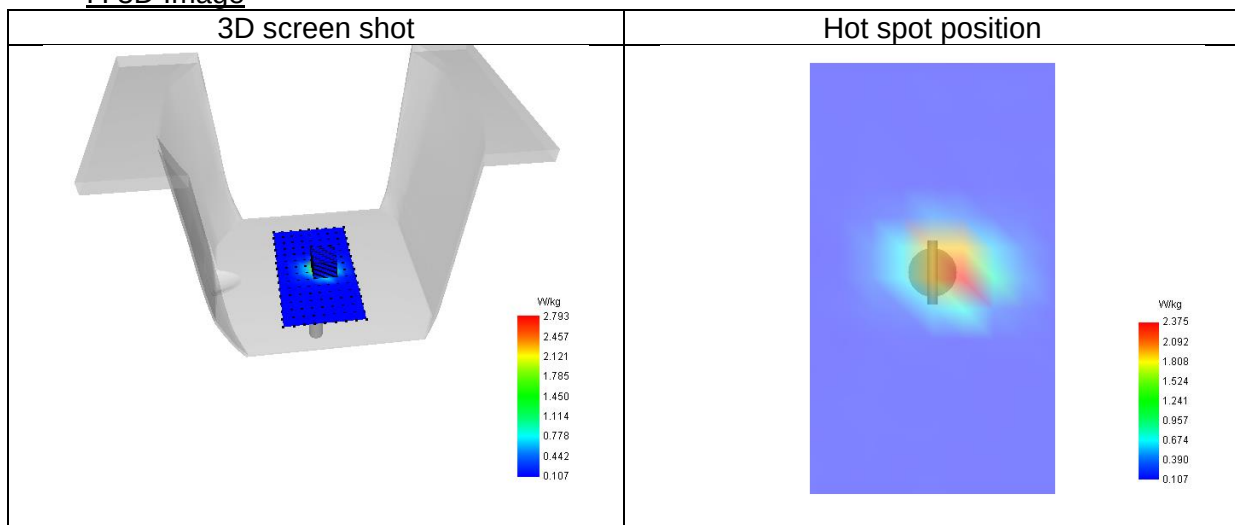
SAR 10g (W/Kg)	0.618
SAR 1g (W/Kg)	1.650
Variation (%)	-0.59
Horizontal validation criteria: minimum distance (mm)	9.49
Vertical validation criteria: SAR ratio M2/M1 (%)	58.25

E. Z Axis Scan

Z (mm)	0.0	2.0	3.5	5.0	6.5	8.0	9.5	11.	12.	14.	15.	17.	18.	20.	21.	23.
	0	0	0	0	0	0	0	00	50	00	50	00	50	00	50	00
SAR (W/Kg)	4.6	2.7	1.2	1.0	0.5	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	56	93	57	04	04	05	51	20	66	50	36	31	22	23	30	32



F. 3D Image



9# System check at 5800 MHz
Date of measurement: 12/7/2025

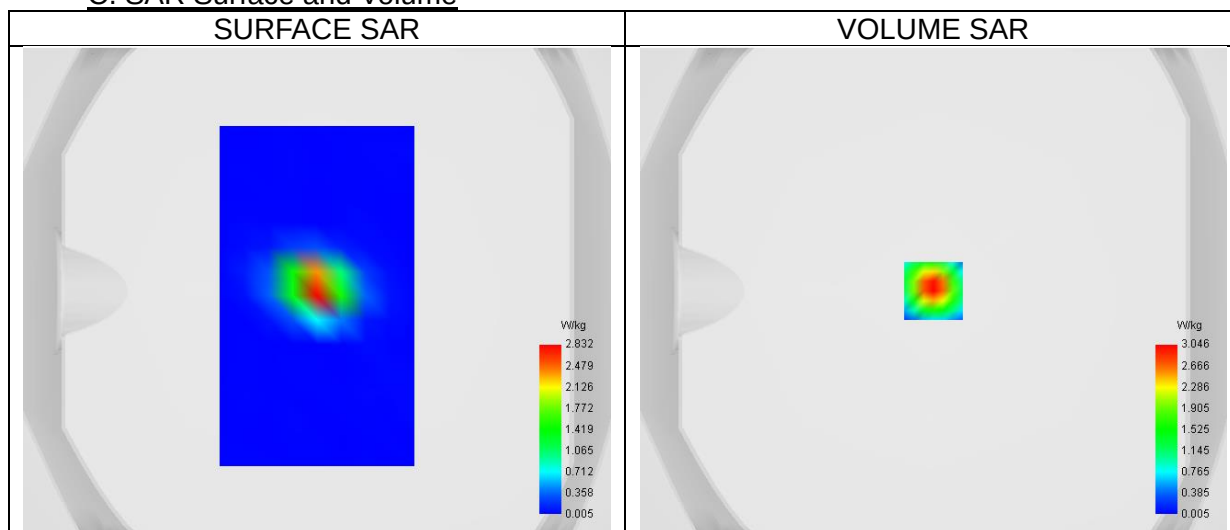
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.35
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5800.00
Relative permittivity (real part)	35.90
Relative permittivity (imaginary part)	15.84
Conductivity (S/m)	5.10

C. SAR Surface and Volume



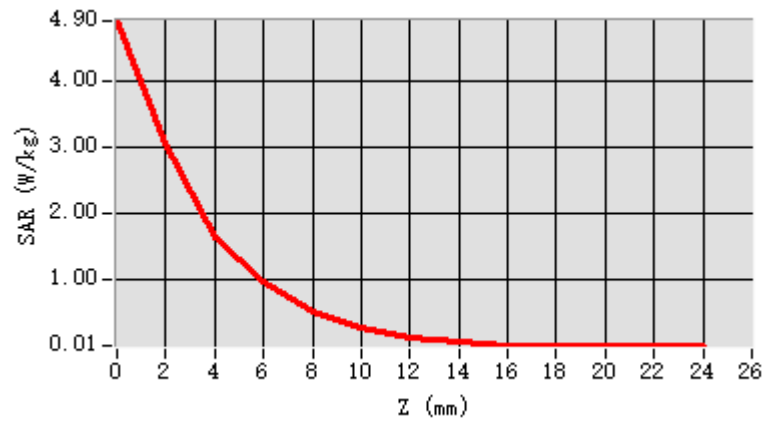
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 5.35 W/kg

D. SAR 1g & 10g

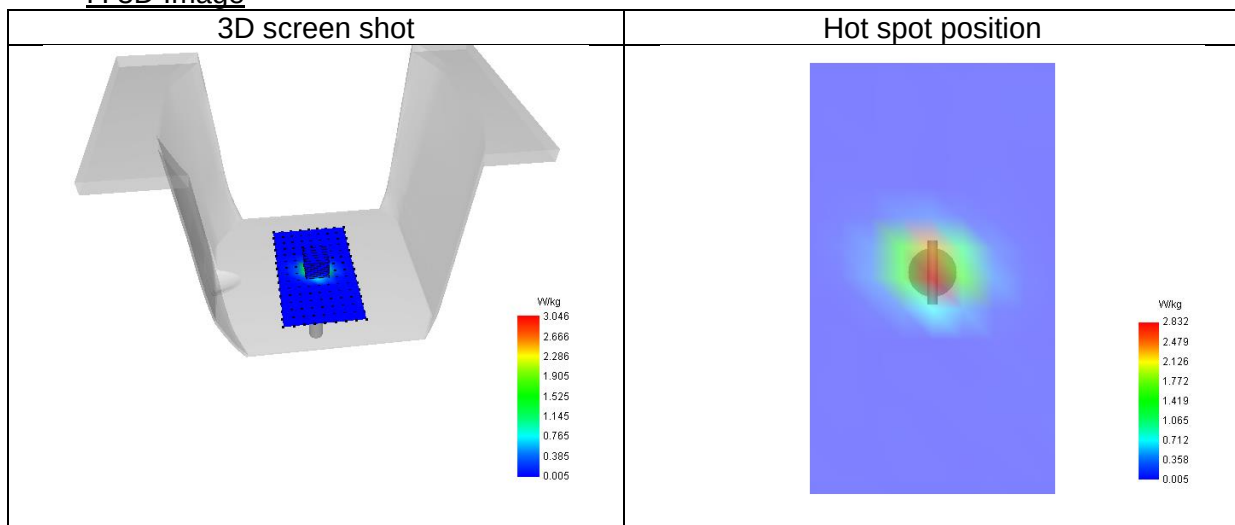
SAR 10g (W/Kg)	0.598
SAR 1g (W/Kg)	1.790
Variation (%)	-0.20
Horizontal validation criteria: minimum distance (mm)	8.94
Vertical validation criteria: SAR ratio M2/M1 (%)	54.31

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
						0	0	0	0	0	0	0
SAR (W/Kg)	4.89	3.04	1.65	0.96	0.52	0.27	0.13	0.07	0.01	0.01	0.01	0.01
	5	6	4	2	7	6	6	5	7	9	2	3



F. 3D Image



4. Appendix C. Plots of High SAR Measurement

Table of contents
1# SAR Measurement at GPRS850 (Body, Validation Plane)
2# SAR Measurement at GPRS1900 (Body, Validation Plane)
3# SAR Measurement at Band 2 (1900) (Body, Validation Plane)
4# SAR Measurement at Band 5 (850) (Body, Validation Plane)
5# SAR Measurement at U-NII-1 (Body, Validation Plane)
6# SAR Measurement at U-NII-1 (Body, Validation Plane)
7# SAR Measurement at U-NII-1 (Body, Validation Plane)
8# SAR Measurement at U-NII-2c (Body, Validation Plane)
9# SAR Measurement at U-NII-2c (Body, Validation Plane)
10# SAR Measurement at U-NII-2c (Body, Validation Plane)
11# SAR Measurement at U-NII-3 (Body, Validation Plane)
12# SAR Measurement at U-NII-3 (Body, Validation Plane)
13# SAR Measurement at U-NII-3 (Body, Validation Plane)
14# SAR Measurement at ISM (Body, Validation Plane)
15# SAR Measurement at ISM (Body, Validation Plane)
16# SAR Measurement at ISM (Body, Validation Plane)
17# SAR Measurement at LTE band 2 (Body, Validation Plane)
18# SAR Measurement at LTE band 4 (Body, Validation Plane)
19# SAR Measurement at LTE band 5 (Body, Validation Plane)
20# SAR Measurement at LTE band 7 (Body, Validation Plane)
21# SAR Measurement at LTE band 17 (Body, Validation Plane)
22# SAR Measurement at LTE band 41 (Body, Validation Plane)
23# SAR Measurement at NR band 41 (Body, Validation Plane)
24# SAR Measurement at NR band 78 (Body, Validation Plane)

1# SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 14/7/2025

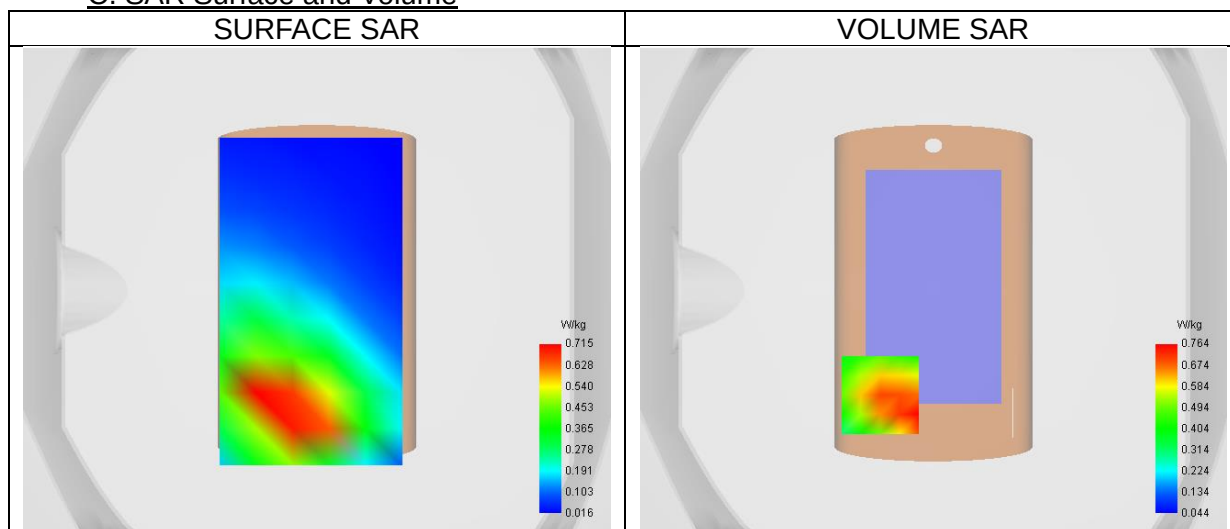
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Signal	TDMA (GPRS)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.13
Relative permittivity (imaginary part)	19.99
Conductivity (S/m)	0.93

C. SAR Surface and Volume



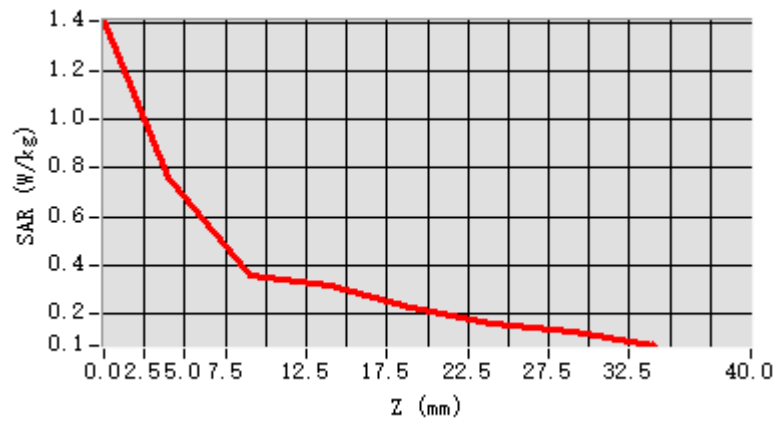
Maximum location: X=-22.00, Y=-43.00 ; SAR Peak: 1.07 W/kg

D. SAR 1g & 10g

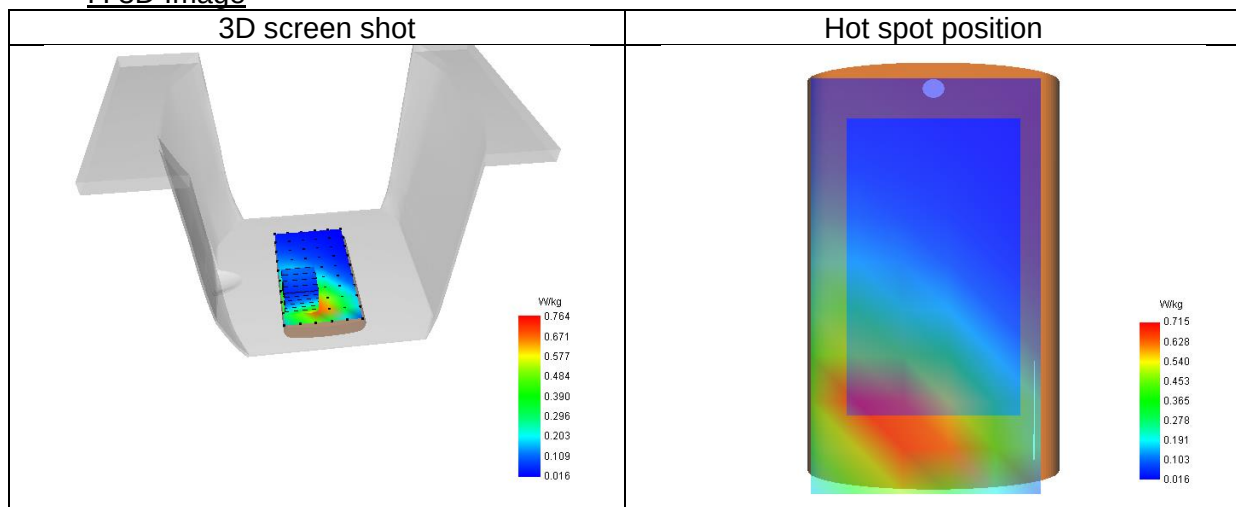
SAR 10g (W/Kg)	0.406
SAR 1g (W/Kg)	0.727
Variation (%)	2.33
Horizontal validation criteria: minimum distance (mm)	32.98
Vertical validation criteria: SAR ratio M2/M1 (%)	68.08

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.406	0.764	0.358	0.319	0.222	0.163	0.127



F. 3D Image



2# SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 16/7/2025

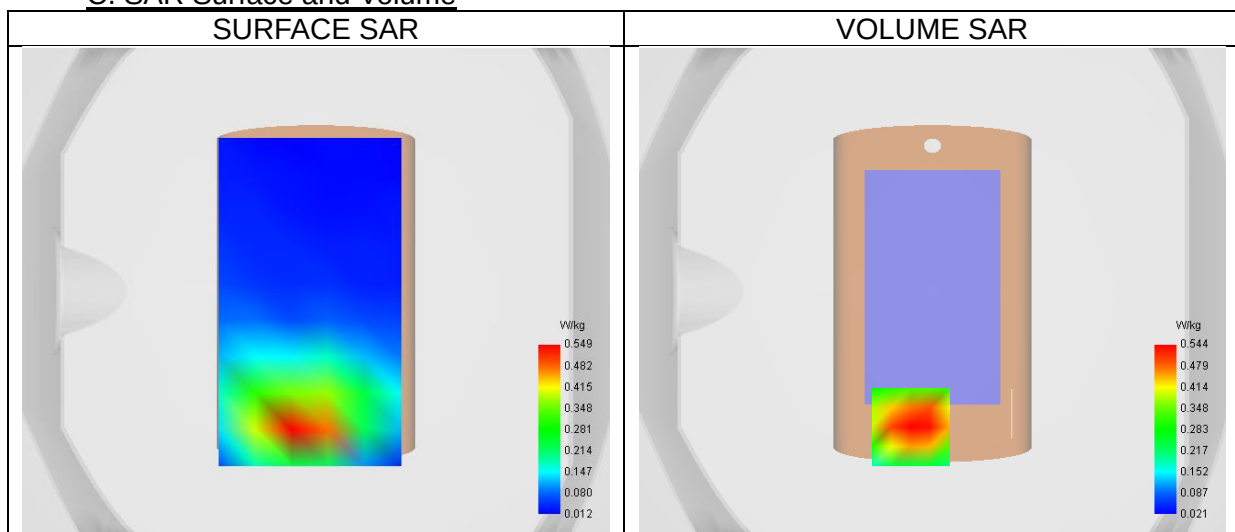
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Signal	TDMA (GPRS)
Channels/Frequency	Middle (661)/ frequency 1880.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	38.41
Relative permittivity (imaginary part)	13.72
Conductivity (S/m)	1.43

C. SAR Surface and Volume



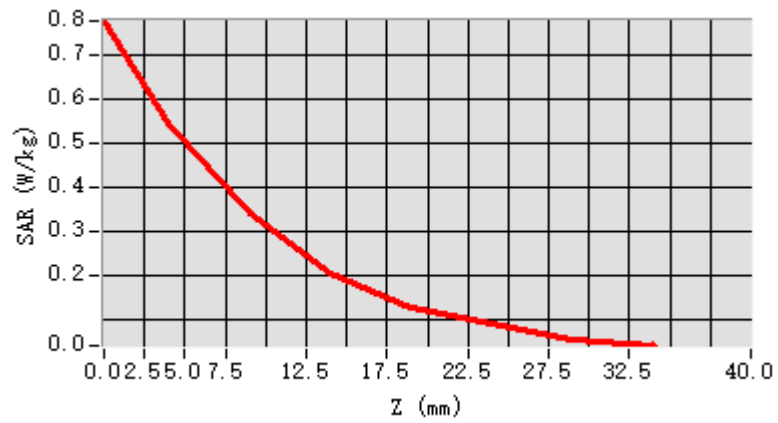
Maximum location: X=-9.00, Y=-56.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.306
SAR 1g (W/Kg)	0.531
Variation (%)	-4.46
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	62.86

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.779	0.544	0.342	0.204	0.124	0.087	0.051



F. 3D Image

