



DC_5A_n41 A	30	50	504204	128@0	DFT_256QA M	16.65	PASS
DC_5A_n41 A	30	50	504204	64@32	DFT_256QA M	16.63	PASS
DC_5A_n41 A	30	50	504204	1@1	DFT_256QA M	16.62	PASS
DC_5A_n41 A	30	50	504204	1@131	DFT_256QA M	16.65	PASS
DC_5A_n41 A	30	50	504204	133@0	CP_QPSK	18.13	PASS
DC_5A_n41 A	30	50	504204	67@33	CP_QPSK	19.61	PASS
DC_5A_n41 A	30	50	504204	1@1	CP_QPSK	19.59	PASS
DC_5A_n41 A	30	50	504204	1@131	CP_QPSK	19.7	PASS
DC_5A_n41 A	30	50	518598	128@0	DFT_BPSK	20.93	PASS
DC_5A_n41 A	30	50	518598	64@32	DFT_BPSK	21.39	PASS
DC_5A_n41 A	30	50	518598	1@1	DFT_BPSK	21.13	PASS
DC_5A_n41 A	30	50	518598	1@131	DFT_BPSK	21.67	PASS
DC_5A_n41 A	30	50	518598	128@0	DFT_QPSK	20.44	PASS
DC_5A_n41 A	30	50	518598	64@32	DFT_QPSK	21.4	PASS
DC_5A_n41 A	30	50	518598	1@1	DFT_QPSK	21.17	PASS
DC_5A_n41 A	30	50	518598	1@131	DFT_QPSK	21.72	PASS
DC_5A_n41 A	30	50	518598	128@0	DFT_16QAM	19.43	PASS
DC_5A_n41 A	30	50	518598	64@32	DFT_16QAM	20.32	PASS
DC_5A_n41 A	30	50	518598	1@1	DFT_16QAM	19.96	PASS
DC_5A_n41 A	30	50	518598	1@131	DFT_16QAM	20.49	PASS
DC_5A_n41 A	30	50	518598	128@0	DFT_64QAM	18.96	PASS
DC_5A_n41 A	30	50	518598	64@32	DFT_64QAM	18.9	PASS
DC_5A_n41 A	30	50	518598	1@1	DFT_64QAM	18.61	PASS
DC_5A_n41 A	30	50	518598	1@131	DFT_64QAM	19.22	PASS
DC_5A_n41 A	30	50	518598	128@0	DFT_256QA M	16.97	PASS
DC_5A_n41 A	30	50	518598	64@32	DFT_256QA M	16.9	PASS
DC_5A_n41 A	30	50	518598	1@1	DFT_256QA M	16.71	PASS



DC_5A_n41 A	30	50	518598	1@131	DFT_256QA M	17.27	PASS
DC_5A_n41 A	30	50	518598	133@0	CP_QPSK	18.39	PASS
DC_5A_n41 A	30	50	518598	67@33	CP_QPSK	19.9	PASS
DC_5A_n41 A	30	50	518598	1@1	CP_QPSK	19.8	PASS
DC_5A_n41 A	30	50	518598	1@131	CP_QPSK	20.31	PASS
DC_5A_n41 A	30	50	532998	128@0	DFT_BPSK	20.92	PASS
DC_5A_n41 A	30	50	532998	64@32	DFT_BPSK	21.5	PASS
DC_5A_n41 A	30	50	532998	1@1	DFT_BPSK	21.27	PASS
DC_5A_n41 A	30	50	532998	1@131	DFT_BPSK	21.4	PASS
DC_5A_n41 A	30	50	532998	128@0	DFT_QPSK	20.46	PASS
DC_5A_n41 A	30	50	532998	64@32	DFT_QPSK	21.5	PASS
DC_5A_n41 A	30	50	532998	1@1	DFT_QPSK	21.29	PASS
DC_5A_n41 A	30	50	532998	1@131	DFT_QPSK	21.46	PASS
DC_5A_n41 A	30	50	532998	128@0	DFT_16QAM	19.43	PASS
DC_5A_n41 A	30	50	532998	64@32	DFT_16QAM	20.44	PASS
DC_5A_n41 A	30	50	532998	1@1	DFT_16QAM	20.07	PASS
DC_5A_n41 A	30	50	532998	1@131	DFT_16QAM	20.24	PASS
DC_5A_n41 A	30	50	532998	128@0	DFT_64QAM	18.95	PASS
DC_5A_n41 A	30	50	532998	64@32	DFT_64QAM	18.97	PASS
DC_5A_n41 A	30	50	532998	1@1	DFT_64QAM	18.72	PASS
DC_5A_n41 A	30	50	532998	1@131	DFT_64QAM	18.99	PASS
DC_5A_n41 A	30	50	532998	128@0	DFT_256QA M	16.96	PASS
DC_5A_n41 A	30	50	532998	64@32	DFT_256QA M	16.98	PASS
DC_5A_n41 A	30	50	532998	1@1	DFT_256QA M	16.79	PASS
DC_5A_n41 A	30	50	532998	1@131	DFT_256QA M	16.98	PASS
DC_5A_n41 A	30	50	532998	133@0	CP_QPSK	18.39	PASS
DC_5A_n41 A	30	50	532998	67@33	CP_QPSK	19.94	PASS



DC_5A_n41 A	30	50	532998	1@1	CP_QPSK	19.85	PASS
DC_5A_n41 A	30	50	532998	1@131	CP_QPSK	20.05	PASS
DC_5A_n41 A	30	60	505200	162@0	DFT_BPSK	20.6	PASS
DC_5A_n41 A	30	60	505200	81@40	DFT_BPSK	21.08	PASS
DC_5A_n41 A	30	60	505200	1@1	DFT_BPSK	21.1	PASS
DC_5A_n41 A	30	60	505200	1@160	DFT_BPSK	21.14	PASS
DC_5A_n41 A	30	60	505200	162@0	DFT_QPSK	20.11	PASS
DC_5A_n41 A	30	60	505200	81@40	DFT_QPSK	21.09	PASS
DC_5A_n41 A	30	60	505200	1@1	DFT_QPSK	21.07	PASS
DC_5A_n41 A	30	60	505200	1@160	DFT_QPSK	21.18	PASS
DC_5A_n41 A	30	60	505200	162@0	DFT_16QAM	19.08	PASS
DC_5A_n41 A	30	60	505200	81@40	DFT_16QAM	20.14	PASS
DC_5A_n41 A	30	60	505200	1@1	DFT_16QAM	19.86	PASS
DC_5A_n41 A	30	60	505200	1@160	DFT_16QAM	19.95	PASS
DC_5A_n41 A	30	60	505200	162@0	DFT_64QAM	18.64	PASS
DC_5A_n41 A	30	60	505200	81@40	DFT_64QAM	18.63	PASS
DC_5A_n41 A	30	60	505200	1@1	DFT_64QAM	18.55	PASS
DC_5A_n41 A	30	60	505200	1@160	DFT_64QAM	18.67	PASS
DC_5A_n41 A	30	60	505200	162@0	DFT_256QA M	16.64	PASS
DC_5A_n41 A	30	60	505200	81@40	DFT_256QA M	16.57	PASS
DC_5A_n41 A	30	60	505200	1@1	DFT_256QA M	16.5	PASS
DC_5A_n41 A	30	60	505200	1@160	DFT_256QA M	16.69	PASS
DC_5A_n41 A	30	60	505200	162@0	CP_QPSK	18.11	PASS
DC_5A_n41 A	30	60	505200	81@40	CP_QPSK	19.59	PASS
DC_5A_n41 A	30	60	505200	1@1	CP_QPSK	19.62	PASS
DC_5A_n41 A	30	60	505200	1@160	CP_QPSK	19.74	PASS
DC_5A_n41 A	30	60	518598	162@0	DFT_BPSK	20.93	PASS



DC_5A_n41 A	30	60	518598	81@40	DFT_BPSK	21.38	PASS
DC_5A_n41 A	30	60	518598	1@1	DFT_BPSK	21.12	PASS
DC_5A_n41 A	30	60	518598	1@160	DFT_BPSK	21.76	PASS
DC_5A_n41 A	30	60	518598	162@0	DFT_QPSK	20.43	PASS
DC_5A_n41 A	30	60	518598	81@40	DFT_QPSK	21.41	PASS
DC_5A_n41 A	30	60	518598	1@1	DFT_QPSK	21.17	PASS
DC_5A_n41 A	30	60	518598	1@160	DFT_QPSK	21.79	PASS
DC_5A_n41 A	30	60	518598	162@0	DFT_16QAM	19.42	PASS
DC_5A_n41 A	30	60	518598	81@40	DFT_16QAM	20.4	PASS
DC_5A_n41 A	30	60	518598	1@1	DFT_16QAM	19.94	PASS
DC_5A_n41 A	30	60	518598	1@160	DFT_16QAM	20.58	PASS
DC_5A_n41 A	30	60	518598	162@0	DFT_64QAM	18.97	PASS
DC_5A_n41 A	30	60	518598	81@40	DFT_64QAM	18.93	PASS
DC_5A_n41 A	30	60	518598	1@1	DFT_64QAM	18.65	PASS
DC_5A_n41 A	30	60	518598	1@160	DFT_64QAM	19.31	PASS
DC_5A_n41 A	30	60	518598	162@0	DFT_256QA M	16.96	PASS
DC_5A_n41 A	30	60	518598	81@40	DFT_256QA M	16.9	PASS
DC_5A_n41 A	30	60	518598	1@1	DFT_256QA M	16.65	PASS
DC_5A_n41 A	30	60	518598	1@160	DFT_256QA M	17.33	PASS
DC_5A_n41 A	30	60	518598	162@0	CP_QPSK	18.42	PASS
DC_5A_n41 A	30	60	518598	81@40	CP_QPSK	19.88	PASS
DC_5A_n41 A	30	60	518598	1@1	CP_QPSK	19.75	PASS
DC_5A_n41 A	30	60	518598	1@160	CP_QPSK	20.32	PASS
DC_5A_n41 A	30	60	531996	162@0	DFT_BPSK	20.97	PASS
DC_5A_n41 A	30	60	531996	81@40	DFT_BPSK	21.44	PASS
DC_5A_n41 A	30	60	531996	1@1	DFT_BPSK	21.35	PASS
DC_5A_n41 A	30	60	531996	1@160	DFT_BPSK	21.53	PASS



DC_5A_n41 A	30	60	531996	162@0	DFT_QPSK	20.49	PASS
DC_5A_n41 A	30	60	531996	81@40	DFT_QPSK	21.45	PASS
DC_5A_n41 A	30	60	531996	1@1	DFT_QPSK	21.34	PASS
DC_5A_n41 A	30	60	531996	1@160	DFT_QPSK	21.57	PASS
DC_5A_n41 A	30	60	531996	162@0	DFT_16QAM	19.44	PASS
DC_5A_n41 A	30	60	531996	81@40	DFT_16QAM	20.46	PASS
DC_5A_n41 A	30	60	531996	1@1	DFT_16QAM	20.18	PASS
DC_5A_n41 A	30	60	531996	1@160	DFT_16QAM	20.35	PASS
DC_5A_n41 A	30	60	531996	162@0	DFT_64QAM	18.96	PASS
DC_5A_n41 A	30	60	531996	81@40	DFT_64QAM	18.97	PASS
DC_5A_n41 A	30	60	531996	1@1	DFT_64QAM	18.81	PASS
DC_5A_n41 A	30	60	531996	1@160	DFT_64QAM	19.05	PASS
DC_5A_n41 A	30	60	531996	162@0	DFT_256QAM	16.97	PASS
DC_5A_n41 A	30	60	531996	81@40	DFT_256QAM	16.92	PASS
DC_5A_n41 A	30	60	531996	1@1	DFT_256QAM	16.89	PASS
DC_5A_n41 A	30	60	531996	1@160	DFT_256QAM	17.14	PASS
DC_5A_n41 A	30	60	531996	162@0	CP_QPSK	18.45	PASS
DC_5A_n41 A	30	60	531996	81@40	CP_QPSK	19.94	PASS
DC_5A_n41 A	30	60	531996	1@1	CP_QPSK	19.95	PASS
DC_5A_n41 A	30	60	531996	1@160	CP_QPSK	20.14	PASS
DC_5A_n41 A	30	80	507204	216@0	DFT_BPSK	20.75	PASS
DC_5A_n41 A	30	80	507204	108@54	DFT_BPSK	21.21	PASS
DC_5A_n41 A	30	80	507204	1@1	DFT_BPSK	21.29	PASS
DC_5A_n41 A	30	80	507204	1@215	DFT_BPSK	21.41	PASS
DC_5A_n41 A	30	80	507204	216@0	DFT_QPSK	20.25	PASS
DC_5A_n41 A	30	80	507204	108@54	DFT_QPSK	21.24	PASS
DC_5A_n41 A	30	80	507204	1@1	DFT_QPSK	21.27	PASS



DC_5A_n41 A	30	80	507204	1@215	DFT_QPSK	21.46	PASS
DC_5A_n41 A	30	80	507204	216@0	DFT_16QAM	19.21	PASS
DC_5A_n41 A	30	80	507204	108@54	DFT_16QAM	20.21	PASS
DC_5A_n41 A	30	80	507204	1@1	DFT_16QAM	20.07	PASS
DC_5A_n41 A	30	80	507204	1@215	DFT_16QAM	20.21	PASS
DC_5A_n41 A	30	80	507204	216@0	DFT_64QAM	18.72	PASS
DC_5A_n41 A	30	80	507204	108@54	DFT_64QAM	18.73	PASS
DC_5A_n41 A	30	80	507204	1@1	DFT_64QAM	18.74	PASS
DC_5A_n41 A	30	80	507204	1@215	DFT_64QAM	18.93	PASS
DC_5A_n41 A	30	80	507204	216@0	DFT_256QA M	16.82	PASS
DC_5A_n41 A	30	80	507204	108@54	DFT_256QA M	16.56	PASS
DC_5A_n41 A	30	80	507204	1@1	DFT_256QA M	16.83	PASS
DC_5A_n41 A	30	80	507204	1@215	DFT_256QA M	16.86	PASS
DC_5A_n41 A	30	80	507204	217@0	CP_QPSK	18.24	PASS
DC_5A_n41 A	30	80	507204	109@54	CP_QPSK	19.74	PASS
DC_5A_n41 A	30	80	507204	1@1	CP_QPSK	19.75	PASS
DC_5A_n41 A	30	80	507204	1@215	CP_QPSK	20.03	PASS
DC_5A_n41 A	30	80	518598	216@0	DFT_BPSK	20.95	PASS
DC_5A_n41 A	30	80	518598	108@54	DFT_BPSK	21.46	PASS
DC_5A_n41 A	30	80	518598	1@1	DFT_BPSK	21.08	PASS
DC_5A_n41 A	30	80	518598	1@215	DFT_BPSK	21.76	PASS
DC_5A_n41 A	30	80	518598	216@0	DFT_QPSK	20.46	PASS
DC_5A_n41 A	30	80	518598	108@54	DFT_QPSK	21.43	PASS
DC_5A_n41 A	30	80	518598	1@1	DFT_QPSK	21.11	PASS
DC_5A_n41 A	30	80	518598	1@215	DFT_QPSK	21.79	PASS
DC_5A_n41 A	30	80	518598	216@0	DFT_16QAM	19.44	PASS
DC_5A_n41 A	30	80	518598	108@54	DFT_16QAM	20.43	PASS



DC_5A_n41 A	30	80	518598	1@1	DFT_16QAM	19.88	PASS
DC_5A_n41 A	30	80	518598	1@215	DFT_16QAM	20.57	PASS
DC_5A_n41 A	30	80	518598	216@0	DFT_64QAM	18.95	PASS
DC_5A_n41 A	30	80	518598	108@54	DFT_64QAM	18.99	PASS
DC_5A_n41 A	30	80	518598	1@1	DFT_64QAM	18.62	PASS
DC_5A_n41 A	30	80	518598	1@215	DFT_64QAM	19.28	PASS
DC_5A_n41 A	30	80	518598	216@0	DFT_256QA M	17.02	PASS
DC_5A_n41 A	30	80	518598	108@54	DFT_256QA M	17.03	PASS
DC_5A_n41 A	30	80	518598	1@1	DFT_256QA M	16.65	PASS
DC_5A_n41 A	30	80	518598	1@215	DFT_256QA M	17.35	PASS
DC_5A_n41 A	30	80	518598	217@0	CP_QPSK	18.5	PASS
DC_5A_n41 A	30	80	518598	109@54	CP_QPSK	19.91	PASS
DC_5A_n41 A	30	80	518598	1@1	CP_QPSK	19.67	PASS
DC_5A_n41 A	30	80	518598	1@215	CP_QPSK	20.31	PASS
DC_5A_n41 A	30	80	529998	216@0	DFT_BPSK	21.05	PASS
DC_5A_n41 A	30	80	529998	108@54	DFT_BPSK	21.56	PASS
DC_5A_n41 A	30	80	529998	1@1	DFT_BPSK	21.29	PASS
DC_5A_n41 A	30	80	529998	1@215	DFT_BPSK	21.65	PASS
DC_5A_n41 A	30	80	529998	216@0	DFT_QPSK	20.58	PASS
DC_5A_n41 A	30	80	529998	108@54	DFT_QPSK	21.57	PASS
DC_5A_n41 A	30	80	529998	1@1	DFT_QPSK	21.33	PASS
DC_5A_n41 A	30	80	529998	1@215	DFT_QPSK	21.66	PASS
DC_5A_n41 A	30	80	529998	216@0	DFT_16QAM	19.52	PASS
DC_5A_n41 A	30	80	529998	108@54	DFT_16QAM	20.55	PASS
DC_5A_n41 A	30	80	529998	1@1	DFT_16QAM	20.12	PASS
DC_5A_n41 A	30	80	529998	1@215	DFT_16QAM	20.51	PASS
DC_5A_n41 A	30	80	529998	216@0	DFT_64QAM	19.02	PASS



DC_5A_n41 A	30	80	529998	108@54	DFT_64QAM	19.06	PASS
DC_5A_n41 A	30	80	529998	1@1	DFT_64QAM	18.83	PASS
DC_5A_n41 A	30	80	529998	1@215	DFT_64QAM	19.14	PASS
DC_5A_n41 A	30	80	529998	216@0	DFT_256QA M	17.09	PASS
DC_5A_n41 A	30	80	529998	108@54	DFT_256QA M	17.14	PASS
DC_5A_n41 A	30	80	529998	1@1	DFT_256QA M	16.89	PASS
DC_5A_n41 A	30	80	529998	1@215	DFT_256QA M	17.2	PASS
DC_5A_n41 A	30	80	529998	217@0	CP_QPSK	18.54	PASS
DC_5A_n41 A	30	80	529998	109@54	CP_QPSK	20.04	PASS
DC_5A_n41 A	30	80	529998	1@1	CP_QPSK	19.84	PASS
DC_5A_n41 A	30	80	529998	1@215	CP_QPSK	20.27	PASS
DC_5A_n41 A	30	90	508200	243@0	DFT_BPSK	20.81	PASS
DC_5A_n41 A	30	90	508200	120@60	DFT_BPSK	21.26	PASS
DC_5A_n41 A	30	90	508200	1@1	DFT_BPSK	21.3	PASS
DC_5A_n41 A	30	90	508200	1@243	DFT_BPSK	21.47	PASS
DC_5A_n41 A	30	90	508200	243@0	DFT_QPSK	20.31	PASS
DC_5A_n41 A	30	90	508200	120@60	DFT_QPSK	21.27	PASS
DC_5A_n41 A	30	90	508200	1@1	DFT_QPSK	21.3	PASS
DC_5A_n41 A	30	90	508200	1@243	DFT_QPSK	21.53	PASS
DC_5A_n41 A	30	90	508200	243@0	DFT_16QAM	19.28	PASS
DC_5A_n41 A	30	90	508200	120@60	DFT_16QAM	20.26	PASS
DC_5A_n41 A	30	90	508200	1@1	DFT_16QAM	20.11	PASS
DC_5A_n41 A	30	90	508200	1@243	DFT_16QAM	20.32	PASS
DC_5A_n41 A	30	90	508200	243@0	DFT_64QAM	18.78	PASS
DC_5A_n41 A	30	90	508200	120@60	DFT_64QAM	18.78	PASS
DC_5A_n41 A	30	90	508200	1@1	DFT_64QAM	18.86	PASS
DC_5A_n41 A	30	90	508200	1@243	DFT_64QAM	19.05	PASS



DC_5A_n41 A	30	90	508200	243@0	DFT_256QA M	16.86	PASS
DC_5A_n41 A	30	90	508200	120@60	DFT_256QA M	16.88	PASS
DC_5A_n41 A	30	90	508200	1@1	DFT_256QA M	17.26	PASS
DC_5A_n41 A	30	90	508200	1@243	DFT_256QA M	17.02	PASS
DC_5A_n41 A	30	90	508200	245@0	CP_QPSK	18.29	PASS
DC_5A_n41 A	30	90	508200	123@61	CP_QPSK	19.74	PASS
DC_5A_n41 A	30	90	508200	1@1	CP_QPSK	19.82	PASS
DC_5A_n41 A	30	90	508200	1@243	CP_QPSK	20.03	PASS
DC_5A_n41 A	30	90	518598	243@0	DFT_BPSK	20.98	PASS
DC_5A_n41 A	30	90	518598	120@60	DFT_BPSK	21.49	PASS
DC_5A_n41 A	30	90	518598	1@1	DFT_BPSK	21.07	PASS
DC_5A_n41 A	30	90	518598	1@243	DFT_BPSK	21.76	PASS
DC_5A_n41 A	30	90	518598	243@0	DFT_QPSK	20.5	PASS
DC_5A_n41 A	30	90	518598	120@60	DFT_QPSK	21.45	PASS
DC_5A_n41 A	30	90	518598	1@1	DFT_QPSK	21.11	PASS
DC_5A_n41 A	30	90	518598	1@243	DFT_QPSK	21.8	PASS
DC_5A_n41 A	30	90	518598	243@0	DFT_16QAM	19.49	PASS
DC_5A_n41 A	30	90	518598	120@60	DFT_16QAM	20.46	PASS
DC_5A_n41 A	30	90	518598	1@1	DFT_16QAM	19.89	PASS
DC_5A_n41 A	30	90	518598	1@243	DFT_16QAM	20.57	PASS
DC_5A_n41 A	30	90	518598	243@0	DFT_64QAM	18.98	PASS
DC_5A_n41 A	30	90	518598	120@60	DFT_64QAM	19	PASS
DC_5A_n41 A	30	90	518598	1@1	DFT_64QAM	18.59	PASS
DC_5A_n41 A	30	90	518598	1@243	DFT_64QAM	19.26	PASS
DC_5A_n41 A	30	90	518598	243@0	DFT_256QA M	17.01	PASS
DC_5A_n41 A	30	90	518598	120@60	DFT_256QA M	17.04	PASS
DC_5A_n41 A	30	90	518598	1@1	DFT_256QA M	16.63	PASS



DC_5A_n41 A	30	90	518598	1@243	DFT_256QA M	17.35	PASS
DC_5A_n41 A	30	90	518598	245@0	CP_QPSK	18.47	PASS
DC_5A_n41 A	30	90	518598	123@61	CP_QPSK	19.92	PASS
DC_5A_n41 A	30	90	518598	1@1	CP_QPSK	19.67	PASS
DC_5A_n41 A	30	90	518598	1@243	CP_QPSK	20.38	PASS
DC_5A_n41 A	30	90	528996	243@0	DFT_BPSK	21.09	PASS
DC_5A_n41 A	30	90	528996	120@60	DFT_BPSK	21.63	PASS
DC_5A_n41 A	30	90	528996	1@1	DFT_BPSK	21.24	PASS
DC_5A_n41 A	30	90	528996	1@243	DFT_BPSK	21.64	PASS
DC_5A_n41 A	30	90	528996	243@0	DFT_QPSK	20.57	PASS
DC_5A_n41 A	30	90	528996	120@60	DFT_QPSK	21.62	PASS
DC_5A_n41 A	30	90	528996	1@1	DFT_QPSK	21.26	PASS
DC_5A_n41 A	30	90	528996	1@243	DFT_QPSK	21.67	PASS
DC_5A_n41 A	30	90	528996	243@0	DFT_16QAM	19.57	PASS
DC_5A_n41 A	30	90	528996	120@60	DFT_16QAM	20.59	PASS
DC_5A_n41 A	30	90	528996	1@1	DFT_16QAM	20.03	PASS
DC_5A_n41 A	30	90	528996	1@243	DFT_16QAM	20.43	PASS
DC_5A_n41 A	30	90	528996	243@0	DFT_64QAM	19.12	PASS
DC_5A_n41 A	30	90	528996	120@60	DFT_64QAM	19.13	PASS
DC_5A_n41 A	30	90	528996	1@1	DFT_64QAM	18.81	PASS
DC_5A_n41 A	30	90	528996	1@243	DFT_64QAM	19.22	PASS
DC_5A_n41 A	30	90	528996	243@0	DFT_256QA M	17.1	PASS
DC_5A_n41 A	30	90	528996	120@60	DFT_256QA M	17.18	PASS
DC_5A_n41 A	30	90	528996	1@1	DFT_256QA M	16.78	PASS
DC_5A_n41 A	30	90	528996	1@243	DFT_256QA M	17.19	PASS
DC_5A_n41 A	30	90	528996	245@0	CP_QPSK	18.58	PASS
DC_5A_n41 A	30	90	528996	123@61	CP_QPSK	20.06	PASS



DC_5A_n41 A	30	90	528996	1@1	CP_QPSK	19.84	PASS
DC_5A_n41 A	30	90	528996	1@243	CP_QPSK	20.26	PASS
DC_5A_n41 A	30	100	509202	270@0	DFT_BPSK	20.83	PASS
DC_5A_n41 A	30	100	509202	135@67	DFT_BPSK	21.31	PASS
DC_5A_n41 A	30	100	509202	1@1	DFT_BPSK	21.31	PASS
DC_5A_n41 A	30	100	509202	1@271	DFT_BPSK	21.54	PASS
DC_5A_n41 A	30	100	509202	270@0	DFT_QPSK	20.3	PASS
DC_5A_n41 A	30	100	509202	135@67	DFT_QPSK	21.3	PASS
DC_5A_n41 A	30	100	509202	1@1	DFT_QPSK	21.3	PASS
DC_5A_n41 A	30	100	509202	1@271	DFT_QPSK	21.59	PASS
DC_5A_n41 A	30	100	509202	270@0	DFT_16QAM	19.3	PASS
DC_5A_n41 A	30	100	509202	135@67	DFT_16QAM	20.31	PASS
DC_5A_n41 A	30	100	509202	1@1	DFT_16QAM	20.08	PASS
DC_5A_n41 A	30	100	509202	1@271	DFT_16QAM	20.38	PASS
DC_5A_n41 A	30	100	509202	270@0	DFT_64QAM	18.8	PASS
DC_5A_n41 A	30	100	509202	135@67	DFT_64QAM	18.81	PASS
DC_5A_n41 A	30	100	509202	1@1	DFT_64QAM	18.81	PASS
DC_5A_n41 A	30	100	509202	1@271	DFT_64QAM	19.09	PASS
DC_5A_n41 A	30	100	509202	270@0	DFT_256QA M	16.81	PASS
DC_5A_n41 A	30	100	509202	135@67	DFT_256QA M	16.88	PASS
DC_5A_n41 A	30	100	509202	1@1	DFT_256QA M	16.82	PASS
DC_5A_n41 A	30	100	509202	1@271	DFT_256QA M	17	PASS
DC_5A_n41 A	30	100	509202	273@0	CP_QPSK	18.32	PASS
DC_5A_n41 A	30	100	509202	137@68	CP_QPSK	19.76	PASS
DC_5A_n41 A	30	100	509202	1@1	CP_QPSK	19.81	PASS
DC_5A_n41 A	30	100	509202	1@271	CP_QPSK	20.14	PASS
DC_5A_n41 A	30	100	518598	270@0	DFT_BPSK	20.94	PASS



DC_5A_n41 A	30	100	518598	135@67	DFT_BPSK	21.46	PASS
DC_5A_n41 A	30	100	518598	1@1	DFT_BPSK	21.11	PASS
DC_5A_n41 A	30	100	518598	1@271	DFT_BPSK	21.79	PASS
DC_5A_n41 A	30	100	518598	270@0	DFT_QPSK	20.5	PASS
DC_5A_n41 A	30	100	518598	135@67	DFT_QPSK	21.45	PASS
DC_5A_n41 A	30	100	518598	1@1	DFT_QPSK	21.15	PASS
DC_5A_n41 A	30	100	518598	1@271	DFT_QPSK	21.82	PASS
DC_5A_n41 A	30	100	518598	270@0	DFT_16QAM	19.49	PASS
DC_5A_n41 A	30	100	518598	135@67	DFT_16QAM	20.48	PASS
DC_5A_n41 A	30	100	518598	1@1	DFT_16QAM	19.92	PASS
DC_5A_n41 A	30	100	518598	1@271	DFT_16QAM	20.58	PASS
DC_5A_n41 A	30	100	518598	270@0	DFT_64QAM	18.99	PASS
DC_5A_n41 A	30	100	518598	135@67	DFT_64QAM	19.01	PASS
DC_5A_n41 A	30	100	518598	1@1	DFT_64QAM	18.57	PASS
DC_5A_n41 A	30	100	518598	1@271	DFT_64QAM	19.31	PASS
DC_5A_n41 A	30	100	518598	270@0	DFT_256QA M	17	PASS
DC_5A_n41 A	30	100	518598	135@67	DFT_256QA M	17.06	PASS
DC_5A_n41 A	30	100	518598	1@1	DFT_256QA M	16.65	PASS
DC_5A_n41 A	30	100	518598	1@271	DFT_256QA M	17.35	PASS
DC_5A_n41 A	30	100	518598	273@0	CP_QPSK	18.53	PASS
DC_5A_n41 A	30	100	518598	137@68	CP_QPSK	19.95	PASS
DC_5A_n41 A	30	100	518598	1@1	CP_QPSK	19.71	PASS
DC_5A_n41 A	30	100	518598	1@271	CP_QPSK	20.38	PASS
DC_5A_n41 A	30	100	528000	270@0	DFT_BPSK	21.08	PASS
DC_5A_n41 A	30	100	528000	135@67	DFT_BPSK	21.64	PASS
DC_5A_n41 A	30	100	528000	1@1	DFT_BPSK	21.2	PASS
DC_5A_n41 A	30	100	528000	1@271	DFT_BPSK	21.69	PASS



DC_5A_n41 A	30	100	528000	270@0	DFT_QPSK	20.58	PASS
DC_5A_n41 A	30	100	528000	135@67	DFT_QPSK	21.65	PASS
DC_5A_n41 A	30	100	528000	1@1	DFT_QPSK	21.25	PASS
DC_5A_n41 A	30	100	528000	1@271	DFT_QPSK	21.76	PASS
DC_5A_n41 A	30	100	528000	270@0	DFT_16QAM	19.54	PASS
DC_5A_n41 A	30	100	528000	135@67	DFT_16QAM	20.65	PASS
DC_5A_n41 A	30	100	528000	1@1	DFT_16QAM	20.03	PASS
DC_5A_n41 A	30	100	528000	1@271	DFT_16QAM	20.52	PASS
DC_5A_n41 A	30	100	528000	270@0	DFT_64QAM	19.09	PASS
DC_5A_n41 A	30	100	528000	135@67	DFT_64QAM	19.16	PASS
DC_5A_n41 A	30	100	528000	1@1	DFT_64QAM	18.75	PASS
DC_5A_n41 A	30	100	528000	1@271	DFT_64QAM	19.28	PASS
DC_5A_n41 A	30	100	528000	270@0	DFT_256QAM	17.09	PASS
DC_5A_n41 A	30	100	528000	135@67	DFT_256QAM	17.16	PASS
DC_5A_n41 A	30	100	528000	1@1	DFT_256QAM	16.69	PASS
DC_5A_n41 A	30	100	528000	1@271	DFT_256QAM	17.22	PASS
DC_5A_n41 A	30	100	528000	273@0	CP_QPSK	18.57	PASS
DC_5A_n41 A	30	100	528000	137@68	CP_QPSK	20.07	PASS
DC_5A_n41 A	30	100	528000	1@1	CP_QPSK	19.79	PASS
DC_5A_n41 A	30	100	528000	1@271	CP_QPSK	20.37	PASS



10.2 Tune up

Mode	GSM850		
	LOW	MID	HIGH
GSM/PCS	28.9±1dBm	28.7±1dBm	28.7±1dBm
GPRS (1 Slot)	28.9±1dBm	28.7±1dBm	28.7±1dBm
GPRS (2 Slot)	28.7±1dBm	28.5±1dBm	28.6±1dBm
GPRS (3 Slot)	27.7±1dBm	27.6±1dBm	27.6±1dBm
GPRS (4 Slot)	27.2±1dBm	27.1±1dBm	27.1±1dBm

Mode	GSM1900		
	LOW	MID	HIGH
GSM/PCS	26.7±1dBm	26.6±1dBm	26.6±1dBm
GPRS (1 Slot)	26.6±1dBm	26.6±1dBm	26.5±1dBm
GPRS (2 Slot)	26.5±1dBm	26.4±1dBm	26.4±1dBm
GPRS (3 Slot)	25.4±1dBm	25.4±1dBm	25.4±1dBm
GPRS (4 Slot)	24.9±1dBm	24.9±1dBm	24.9±1dBm

Mode	WCDMA Band II		
	LOW	MID	HIGH
RMR	24.7±1dBm	24.4±1dBm	24.3±1dBm
HSDPA Subtest-1	23.7±1dBm	23.4±1dBm	23.4±1dBm
HSDPA Subtest-2	23.4±1dBm	23.2±1dBm	23.0±1dBm
HSDPA Subtest-3	22.3±1dBm	22.1±1dBm	21.9±1dBm
HSDPA Subtest-4	22.5±1dBm	22.1±1dBm	22.0±1dBm
HSUPA Subtest-1	23.3±1dBm	23.3±1dBm	23.1±1dBm
HSUPA Subtest-2	23.6±1dBm	23.5±1dBm	23.2±1dBm
HSUPA Subtest-3	21.9±1dBm	22.2±1dBm	22.1±1dBm
HSUPA Subtest-4	23.7±1dBm	23.5±1dBm	23.4±1dBm
HSUPA Subtest-5	22.6±1dBm	22.8±1dBm	22.6±1dBm

Mode	WCDMA Band IV		
	LOW	MID	HIGH
RMR	24.3±1dBm	24.5±1dBm	24.5±1dBm
HSDPA Subtest-1	23.1±1dBm	23.2±1dBm	23.3±1dBm
HSDPA Subtest-2	22.7±1dBm	22.7±1dBm	22.9±1dBm
HSDPA Subtest-3	21.4±1dBm	21.5±1dBm	21.8±1dBm
HSDPA Subtest-4	21.9±1dBm	21.3±1dBm	21.6±1dBm
HSUPA Subtest-1	21.6±1dBm	23.1±1dBm	23.1±1dBm
HSUPA Subtest-2	23.1±1dBm	23.2±1dBm	23.2±1dBm
HSUPA Subtest-3	21.7±1dBm	21.8±1dBm	21.9±1dBm
HSUPA Subtest-4	23.1±1dBm	23.3±1dBm	23.3±1dBm
HSUPA Subtest-5	21.7±1dBm	22.7±1dBm	22.6±1dBm



Mode	WCDMA Band V		
	LOW	MID	HIGH
RMR	24.2±1dBm	24.3±1dBm	24.5±1dBm
HSDPA Subtest-1	23.3±1dBm	23.3±1dBm	23.5±1dBm
HSDPA Subtest-2	22.6±1dBm	23.0±1dBm	23.1±1dBm
HSDPA Subtest-3	21.7±1dBm	21.8±1dBm	21.6±1dBm
HSDPA Subtest-4	21.9±1dBm	21.5±1dBm	21.7±1dBm
HSUPA Subtest-1	22.3±1dBm	23.2±1dBm	23.3±1dBm
HSUPA Subtest-2	23.2±1dBm	23.2±1dBm	23.5±1dBm
HSUPA Subtest-3	21.6±1dBm	21.9±1dBm	22.0±1dBm
HSUPA Subtest-4	23.3±1dBm	23.3±1dBm	23.5±1dBm
HSUPA Subtest-5	21.9±1dBm	22.7±1dBm	22.8±1dBm

Mode	BT
GFSK	2.2±1dBm
$\pi/4$ -DQPSK	1.5±1dBm
8DPSK	1.9±1dBm

Mode	BT
GFSK(1Mbps)	2.1±1dBm
GFSK(2Mbps)	2.0±1dBm

Mode	NFC
NFC	-33±1dBm

Mode	2.4G WLAN		
	ANT A	ANT B	MIMO
802.11b	15.1±1dBm	13.5±1dBm	N/A
802.11g	14.9±1dBm	12.5±1dBm	N/A
802.11n(HT 20)	14.6±1dBm	12.5±1dBm	14.1±1dBm
802.11n(HT 40)	14.7±1dBm	12.6±1dBm	14.2±1dBm
802.11ac(VHT 20)	14.9±1dBm	12.5±1dBm	15.0±1dBm
802.11ac(VHT 40)	15.1±1dBm	12.6±1dBm	14.8±1dBm

Mode	5.2G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	11.6±1dBm	12.7±1dBm	N/A
802.11n-HT20	10.7±1dBm	11.7±1dBm	11.9±1dBm
802.11n-HT40	11.1±1dBm	12.0±1dBm	12.2±1dBm
802.11ac-VHT20	10.9±1dBm	11.7±1dBm	12.3±1dBm
802.11ac-VHT40	11.0±1dBm	12.2±1dBm	12.3±1dBm
802.11ac-VHT80	10.6±1dBm	11.3±1dBm	10.9±1dBm
802.11ax-HE20	11.1±1dBm	12.3±1dBm	13.0±1dBm
802.11ax-HE40	11.3±1dBm	12.3±1dBm	12.4±1dBm
802.11ax-HE80	10.8±1dBm	11.7±1dBm	11.5±1dBm



Mode	5.3G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	11.7±1dBm	12.9±1dBm	N/A
802.11n-HT20	11.0±1dBm	12.0±1dBm	12.5±1dBm
802.11n-HT40	11.0±1dBm	12.2±1dBm	12.7±1dBm
802.11ac-VHT20	11.0±1dBm	12.1±1dBm	12.5±1dBm
802.11ac-VHT40	10.9±1dBm	12.3±1dBm	12.7±1dBm
802.11ac-VHT80	10.2±1dBm	11.5±1dBm	11.6±1dBm
802.11ac-VHT160	10.5±1dBm	10.9±1dBm	10.6±1dBm
802.11ax-HE20	11.1±1dBm	12.4±1dBm	12.8±1dBm
802.11ax-HE40	11.2±1dBm	12.0±1dBm	12.6±1dBm
802.11ax-HE80	10.4±1dBm	12.0±1dBm	12.1±1dBm
802.11ax-HE160	10.8±1dBm	11.2±1dBm	11.1±1dBm

Mode	5.6G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	8.8±1dBm	9.2±1dBm	N/A
802.11n-HT20	7.9±1dBm	8.0±1dBm	10.0±1dBm
802.11n-HT40	7.6±1dBm	8.3±1dBm	10.5±1dBm
802.11ac-VHT20	7.7±1dBm	8.0±1dBm	11.3±1dBm
802.11ac-VHT40	7.8±1dBm	8.3±1dBm	10.4±1dBm
802.11ac-VHT80	7.3±1dBm	7.6±1dBm	10.2±1dBm
802.11ac-VHT160	7.8±1dBm	8.3±1dBm	10.3±1dBm
802.11ax-HE20	8.4±1dBm	8.7±1dBm	12.1±1dBm
802.11ax-HE40	8.2±1dBm	8.3±1dBm	11.3±1dBm
802.11ax-HE80	7.2±1dBm	7.8±1dBm	10.5±1dBm
802.11ax-HE160	8.3±1dBm	8.5±1dBm	10.4±1dBm

Mode	5.8G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	14.4±1dBm	14.5±1dBm	N/A
802.11n-HT20	13.5±1dBm	13.5±1dBm	13.1±1dBm
802.11n-HT40	13.3±1dBm	13.6±1dBm	12.5±1dBm
802.11ac-VHT20	13.5±1dBm	12.7±1dBm	13.2±1dBm
802.11ac-VHT40	13.6±1dBm	13.3±1dBm	12.7±1dBm
802.11ac-VHT80	13.3±1dBm	12.9±1dBm	11.7±1dBm
802.11ax-HE20	14.0±1dBm	13.7±1dBm	13.9±1dBm
802.11ax-HE40	13.9±1dBm	13.4±1dBm	12.8±1dBm
802.11ax-HE80	13.7±1dBm	13.5±1dBm	11.9±1dBm



BW[MHz]	RB Size		Mode	Band 2	Band 4	Band 7	Band 25
20	1	LOW	QPSK	23.7±1dBm	16.8±1dBm	21.2±1dBm	16.8±1dBm
20	1	MID		23.4±1dBm	16.7±1dBm	20.8±1dBm	16.8±1dBm
20	1	HIGH		23.4±1dBm	16.6±1dBm	20.7±1dBm	16.5±1dBm
20	50	LOW		22.6±1dBm	15.6±1dBm	20.1±1dBm	15.7±1dBm
20	50	MID		22.4±1dBm	15.6±1dBm	19.6±1dBm	15.7±1dBm
20	50	HIGH		22.3±1dBm	15.6±1dBm	19.7±1dBm	15.5±1dBm
20	100	LOW		22.6±1dBm	15.6±1dBm	20.1±1dBm	15.7±1dBm
20	100	MID		22.4±1dBm	15.6±1dBm	19.7±1dBm	15.7±1dBm
20	100	HIGH		22.3±1dBm	15.6±1dBm	19.6±1dBm	15.5±1dBm
20	1	LOW	16- QAM	23.0±1dBm	16.0±1dBm	20.5±1dBm	16.1±1dBm
20	1	MID		22.7±1dBm	16.0±1dBm	20.1±1dBm	16.1±1dBm
20	1	HIGH		22.9±1dBm	16.0±1dBm	19.8±1dBm	16.0±1dBm
20	50	LOW		21.5±1dBm	14.7±1dBm	19.2±1dBm	14.7±1dBm
20	50	MID		21.4±1dBm	14.7±1dBm	18.7±1dBm	14.8±1dBm
20	50	HIGH		21.6±1dBm	14.6±1dBm	18.7±1dBm	14.7±1dBm
20	100	LOW		21.5±1dBm	14.7±1dBm	19.1±1dBm	14.7±1dBm
20	100	MID		21.5±1dBm	14.6±1dBm	18.7±1dBm	14.7±1dBm
20	100	HIGH		21.5±1dBm	14.6±1dBm	18.6±1dBm	14.6±1dBm

BW[MHz]	RB Size		Mode	Band 38	Band 41	Band 66	Band 71
20	1	LOW	QPSK	23.2±1dBm	23.1±1dBm	23.3±1dBm	23.4±1dBm
20	1	MID		23.5±1dBm	23.2±1dBm	23.5±1dBm	23.3±1dBm
20	1	HIGH		23.7±1dBm	23.8±1dBm	23.5±1dBm	23.4±1dBm
20	50	LOW		22.6±1dBm	22.8±1dBm	21.2±1dBm	22.4±1dBm
20	50	MID		23.2±1dBm	23.1±1dBm	20.0±1dBm	22.4±1dBm
20	50	HIGH		23.5±1dBm	23.3±1dBm	22.4±1dBm	22.3±1dBm
20	100	LOW		22.6±1dBm	22.9±1dBm	22.2±1dBm	22.4±1dBm
20	100	MID		23.3±1dBm	23.0±1dBm	22.3±1dBm	22.4±1dBm
20	100	HIGH		23.4±1dBm	23.3±1dBm	22.3±1dBm	22.2±1dBm
20	1	LOW	16- QAM	23.1±1dBm	23.0±1dBm	22.4±1dBm	22.7±1dBm
20	1	MID		23.6±1dBm	23.1±1dBm	22.3±1dBm	22.9±1dBm
20	1	HIGH		23.6±1dBm	23.8±1dBm	22.9±1dBm	22.6±1dBm
20	50	LOW		22.7±1dBm	22.9±1dBm	21.1±1dBm	21.4±1dBm
20	50	MID		23.4±1dBm	23.0±1dBm	21.4±1dBm	21.4±1dBm
20	50	HIGH		23.5±1dBm	23.5±1dBm	21.0±1dBm	21.3±1dBm
20	100	LOW		22.7±1dBm	22.9±1dBm	21.2±1dBm	21.4±1dBm
20	100	MID		23.0±1dBm	23.0±1dBm	21.3±1dBm	21.4±1dBm
20	100	HIGH		23.4±1dBm	23.5±1dBm	21.4±1dBm	21.3±1dBm



BW[MHz]	RB Size		Mode	Band 5	Band 12	Band 17
10	1	LOW	QPSK	23.5±1dBm	23.5±1dBm	23.7±1dBm
10	1	MID		23.7±1dBm	23.6±1dBm	23.5±1dBm
10	1	HIGH		23.8±1dBm	23.6±1dBm	23.4±1dBm
10	25	LOW		22.5±1dBm	22.5±1dBm	22.6±1dBm
10	25	MID		22.6±1dBm	22.5±1dBm	22.5±1dBm
10	25	HIGH		22.8±1dBm	22.4±1dBm	22.4±1dBm
10	50	LOW		22.5±1dBm	22.5±1dBm	22.6±1dBm
10	50	MID		22.6±1dBm	22.5±1dBm	22.5±1dBm
10	50	HIGH		22.7±1dBm	22.4±1dBm	22.4±1dBm
10	1	LOW	16- QAM	22.7±1dBm	22.7±1dBm	22.5±1dBm
10	1	MID		22.5±1dBm	22.3±1dBm	23.0±1dBm
10	1	HIGH		23.1±1dBm	22.9±1dBm	22.7±1dBm
10	25	LOW		21.5±1dBm	21.5±1dBm	21.5±1dBm
10	25	MID		21.6±1dBm	21.5±1dBm	21.5±1dBm
10	25	HIGH		21.8±1dBm	21.6±1dBm	21.5±1dBm
10	50	LOW		21.5±1dBm	21.5±1dBm	21.5±1dBm
10	50	MID		21.6±1dBm	21.5±1dBm	21.5±1dBm
10	50	HIGH		21.7±1dBm	21.5±1dBm	21.5±1dBm

BW[MHz]	RB Size	Mode	Band 13	Band 26	Band 40	Band 40
10	1	QPSK	23.6±1dBm	23.8±1dBm	17.2±1dBm	17.5±1dBm
10	25		22.5±1dBm	22.7±1dBm	17.1±1dBm	16.9±1dBm
10	50		22.4±1dBm	22.7±1dBm	17.0±1dBm	16.9±1dBm
10	1	16- QAM	22.4±1dBm	22.9±1dBm	17.2±1dBm	17.0±1dBm
10	25		21.4±1dBm	21.7±1dBm	16.9±1dBm	16.9±1dBm
10	50		21.4±1dBm	21.7±1dBm	17.0±1dBm	16.9±1dBm

BW[MHz]	RB Size		Mode	Band 26
15	1	LOW	QPSK	23.5±1dBm
15	1	MID		23.5±1dBm
15	1	HIGH		23.9±1dBm
15	36	LOW		22.5±1dBm
15	36	MID		22.5±1dBm
15	36	HIGH		22.7±1dBm
15	75	LOW		22.5±1dBm
15	75	MID		22.6±1dBm
15	75	HIGH		22.8±1dBm
15	1	LOW	16- QAM	22.6±1dBm
15	1	MID		23.1±1dBm
15	1	HIGH		23.0±1dBm
15	36	LOW		21.5±1dBm
15	36	MID		21.7±1dBm
15	36	HIGH		21.8±1dBm
15	75	LOW		21.5±1dBm
15	75	MID		21.6±1dBm
15	75	HIGH		21.7±1dBm



BW[MHz]	Mode	SA N2	SA N5	SA N7	SA N12	SA N13	SA N25
10	DFT_BPSK	21.3±1dBm	21.2±1dBm	20.7±1dBm	21.1±1dBm	21.1±1dBm	21.3±1dBm
10	DFT_QPSK	21.2±1dBm	21.2±1dBm	20.7±1dBm	21.1±1dBm	21.1±1dBm	21.3±1dBm
10	DFT_QAM16	20.3±1dBm	20.4±1dBm	20.0±1dBm	20.2±1dBm	20.2±1dBm	20.4±1dBm
10	DFT_QAM64	18.9±1dBm	18.9±1dBm	18.5±1dBm	18.7±1dBm	18.7±1dBm	18.9±1dBm
10	DFT_QAM256	16.8±1dBm	16.7±1dBm	16.3±1dBm	16.7±1dBm	16.5±1dBm	16.7±1dBm
10	CP_QPSK	19.7±1dBm	19.7±1dBm	19.2±1dBm	19.6±1dBm	19.5±1dBm	19.8±1dBm
15	DFT_BPSK	21.2±1dBm	21.2±1dBm	20.8±1dBm	21.3±1dBm	/	21.3±1dBm
15	DFT_QPSK	21.3±1dBm	21.2±1dBm	20.8±1dBm	21.3±1dBm	/	21.3±1dBm
15	DFT_QAM16	20.3±1dBm	20.3±1dBm	20.0±1dBm	20.3±1dBm	/	20.4±1dBm
15	DFT_QAM64	18.9±1dBm	18.9±1dBm	18.6±1dBm	18.8±1dBm	/	19.0±1dBm
15	DFT_QAM256	16.7±1dBm	16.7±1dBm	16.4±1dBm	16.7±1dBm	/	16.7±1dBm
15	CP_QPSK	19.8±1dBm	19.8±1dBm	19.3±1dBm	19.7±1dBm	/	19.8±1dBm
20	DFT_BPSK	21.4±1dBm	21.4±1dBm	20.9±1dBm	/	/	21.4±1dBm
20	DFT_QPSK	21.4±1dBm	21.4±1dBm	21.0±1dBm	/	/	21.4±1dBm
20	DFT_QAM16	20.4±1dBm	20.4±1dBm	20.0±1dBm	/	/	20.4±1dBm
20	DFT_QAM64	18.9±1dBm	18.9±1dBm	18.6±1dBm	/	/	19.0±1dBm
20	DFT_QAM256	16.8±1dBm	16.8±1dBm	16.4±1dBm	/	/	16.8±1dBm
20	CP_QPSK	19.8±1dBm	19.7±1dBm	19.3±1dBm	/	/	19.8±1dBm

BW[MHz]	Mode	SA N26	SA N26	SA N38	SA N41	SA N66	SA N71
10	DFT_BPSK	21.3±1dBm	21.2±1dBm	21.1±1dBm	21.1±1dBm	21.2±1dBm	21.4±1dBm
10	DFT_QPSK	21.4±1dBm	21.2±1dBm	21.1±1dBm	21.1±1dBm	21.2±1dBm	21.4±1dBm
10	DFT_QAM16	20.4±1dBm	20.4±1dBm	20.3±1dBm	20.2±1dBm	20.2±1dBm	20.4±1dBm
10	DFT_QAM64	18.9±1dBm	18.9±1dBm	18.7±1dBm	18.6±1dBm	18.8±1dBm	18.8±1dBm
10	DFT_QAM256	16.7±1dBm	16.7±1dBm	16.8±1dBm	16.6±1dBm	16.6±1dBm	17.0±1dBm
10	CP_QPSK	19.7±1dBm	19.8±1dBm	19.7±1dBm	19.6±1dBm	19.6±1dBm	19.8±1dBm
20	DFT_BPSK	/	21.4±1dBm	21.2±1dBm	21.1±1dBm	21.2±1dBm	21.5±1dBm
20	DFT_QPSK	/	21.4±1dBm	21.2±1dBm	21.1±1dBm	21.2±1dBm	21.5±1dBm
20	DFT_QAM16	/	20.4±1dBm	20.4±1dBm	20.3±1dBm	20.3±1dBm	20.5±1dBm
20	DFT_QAM64	/	18.9±1dBm	18.7±1dBm	18.7±1dBm	18.8±1dBm	18.9±1dBm
20	DFT_QAM256	/	16.8±1dBm	16.7±1dBm	16.7±1dBm	16.7±1dBm	17.1±1dBm
20	CP_QPSK	/	19.7±1dBm	19.7±1dBm	19.7±1dBm	19.7±1dBm	20.0±1dBm
40	DFT_BPSK	/	/	21.4±1dBm	21.2±1dBm	21.2±1dBm	/
40	DFT_QPSK	/	/	21.4±1dBm	21.2±1dBm	21.2±1dBm	/
40	DFT_QAM16	/	/	20.4±1dBm	20.4±1dBm	20.2±1dBm	/
40	DFT_QAM64	/	/	18.8±1dBm	18.9±1dBm	18.7±1dBm	/
40	DFT_QAM256	/	/	16.8±1dBm	16.8±1dBm	16.6±1dBm	/
40	CP_QPSK	/	/	19.8±1dBm	19.8±1dBm	19.6±1dBm	/
100	DFT_BPSK	/	/	/	21.5±1dBm	/	/
100	DFT_QPSK	/	/	/	21.5±1dBm	/	/
100	DFT_QAM16	/	/	/	20.6±1dBm	/	/
100	DFT_QAM64	/	/	/	19.1±1dBm	/	/
100	DFT_QAM256	/	/	/	17.0±1dBm	/	/
100	CP_QPSK	/	/	/	19.9±1dBm	/	/



BW[MHz]	Mode	SA N77	SA N77	SA N78	SA N78
100	DFT_BPSK	20.1±1dBm	20.1±1dBm	20.1±1dBm	20.1±1dBm
100	DFT_QPSK	20.1±1dBm	20.2±1dBm	20.1±1dBm	20.1±1dBm
100	DFT_QAM16	19.1±1dBm	19.2±1dBm	19.1±1dBm	19.0±1dBm
100	DFT_QAM64	17.6±1dBm	17.7±1dBm	17.5±1dBm	17.5±1dBm
100	DFT_QAM256	15.4±1dBm	15.4±1dBm	15.4±1dBm	15.3±1dBm
100	CP_QPSK	18.6±1dBm	18.7±1dBm	18.6±1dBm	18.5±1dBm

BW[MHz]	Mode	DC_A5_N41
100	DFT_BPSK	21.1±1dBm
100	DFT_QPSK	21.1±1dBm
100	DFT_QAM16	20.0±1dBm
100	DFT_QAM64	18.6±1dBm
100	DFT_QAM256	16.7±1dBm
100	CP_QPSK	19.7±1dBm



11. EUT and Test Setup Photo

11.1 EUT Photos

Front side



Back side

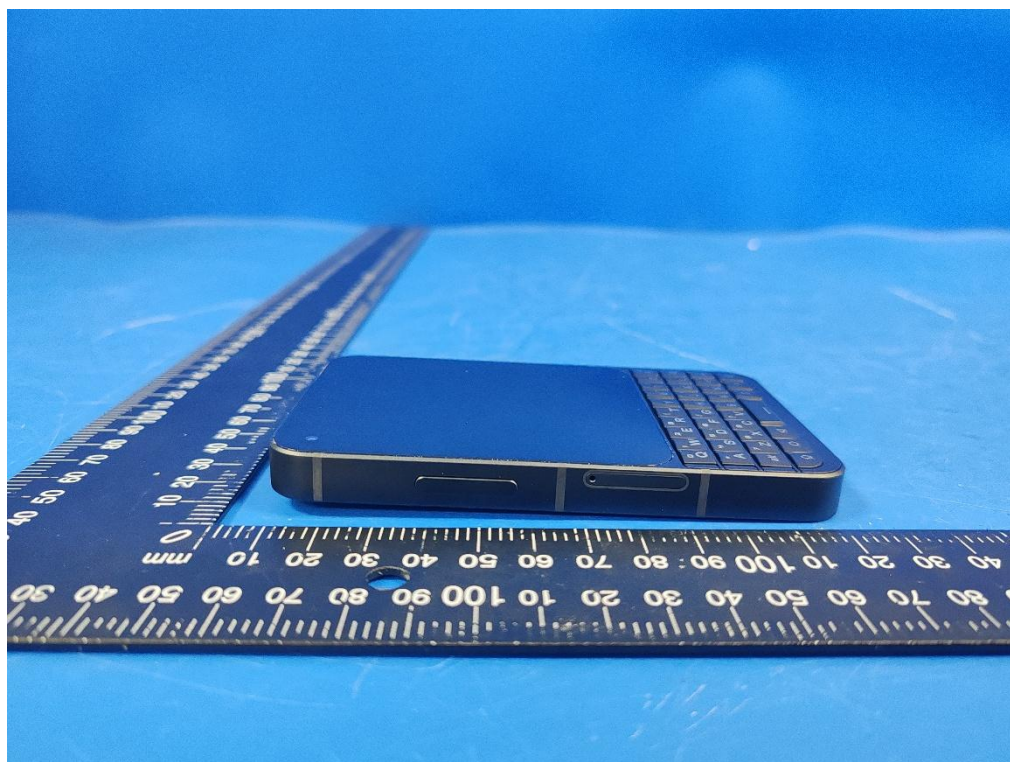




Right Edge

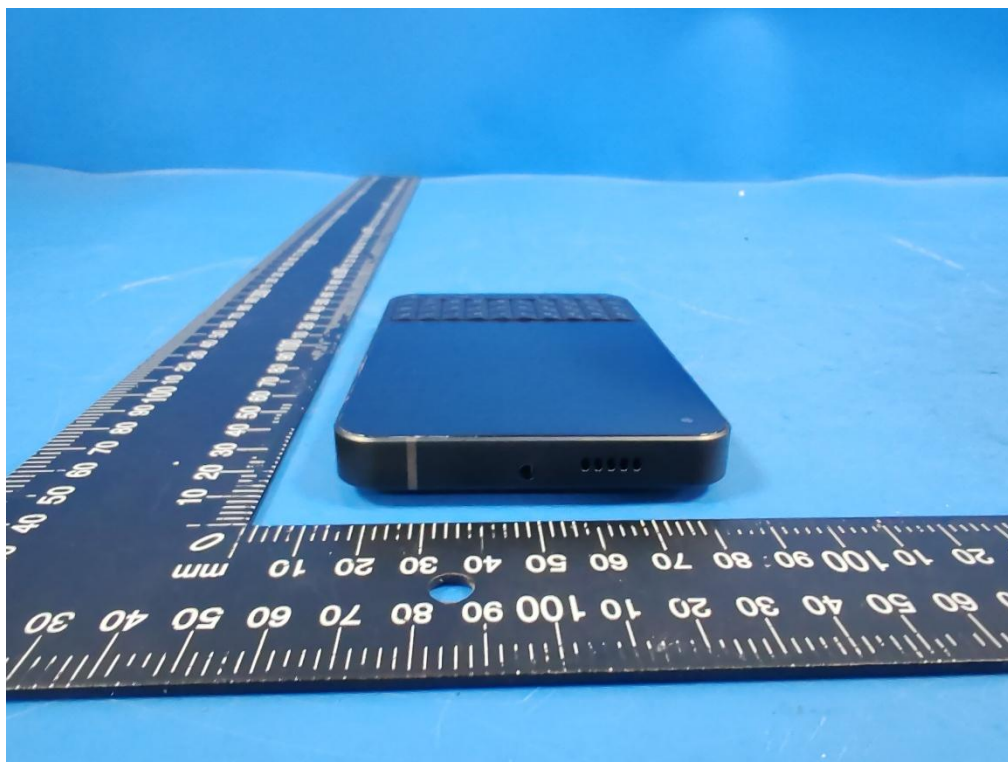


Left Edge

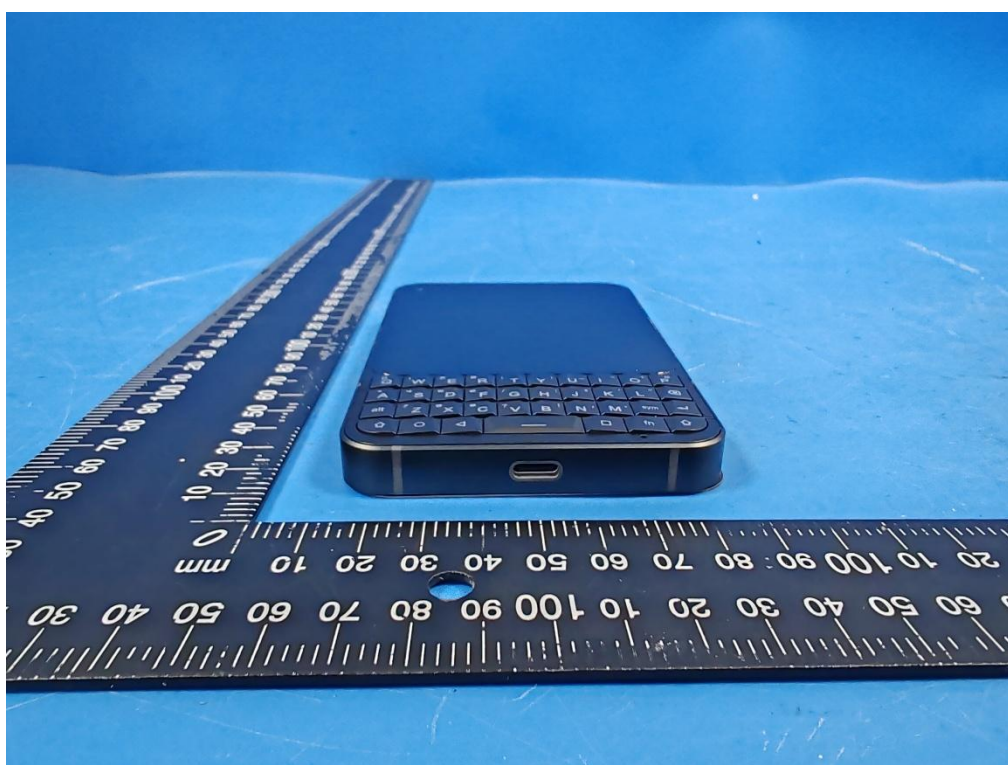




Top Edge



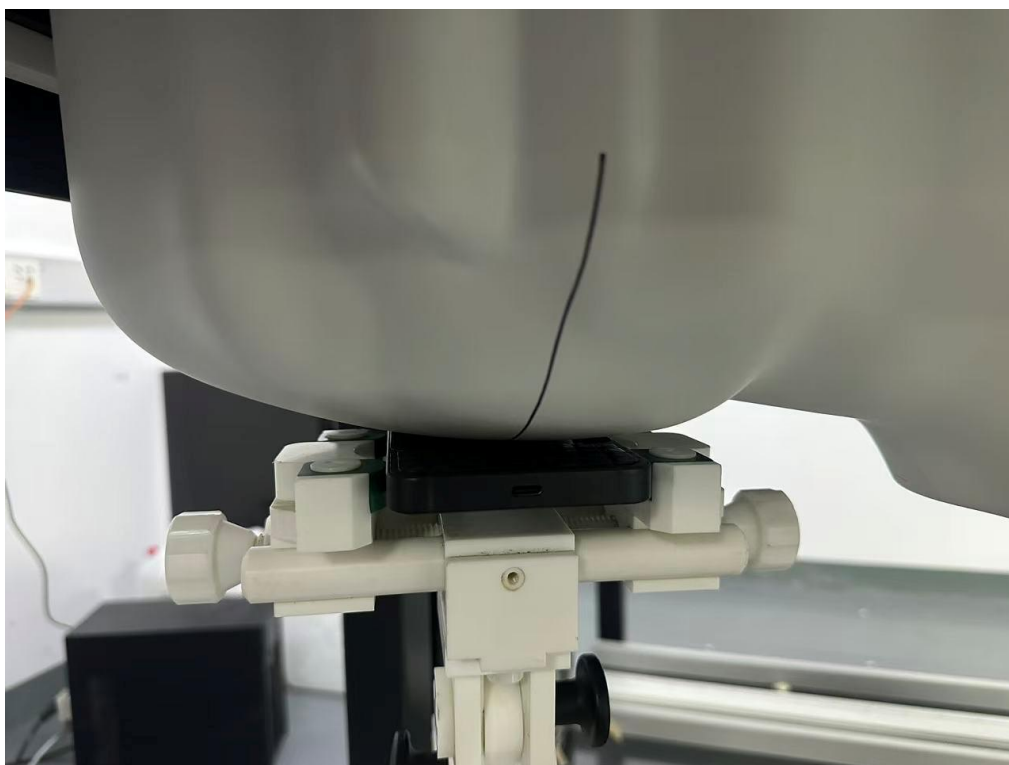
Bottom Edge



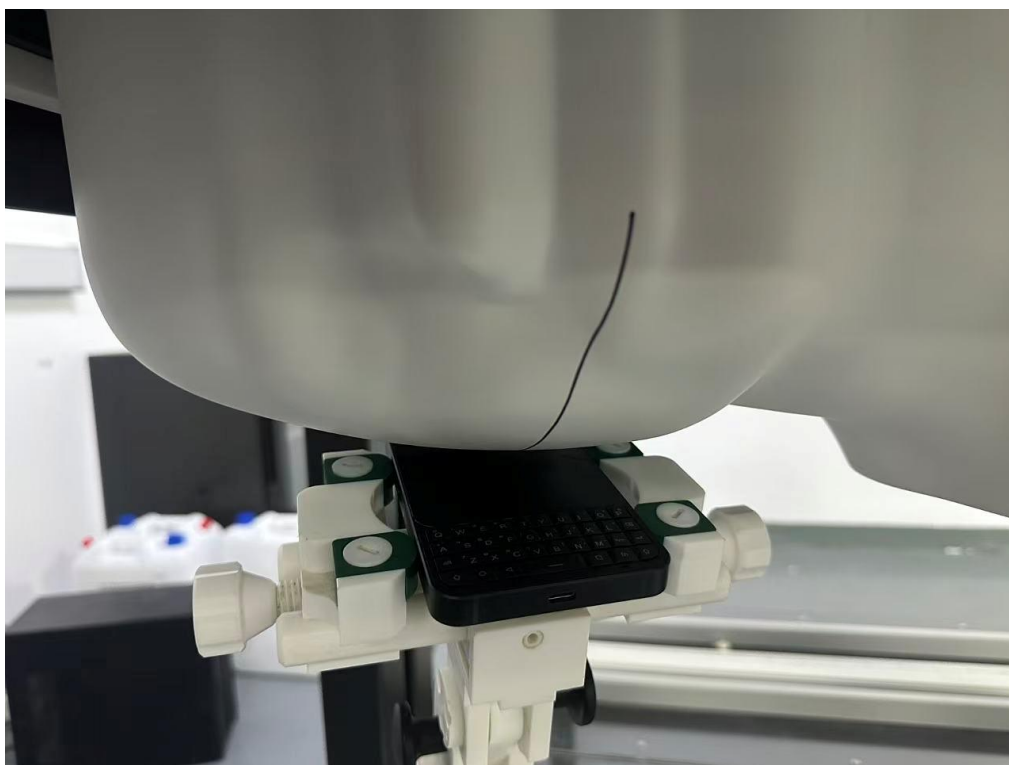


11.2 Setup Photos

Right Touch

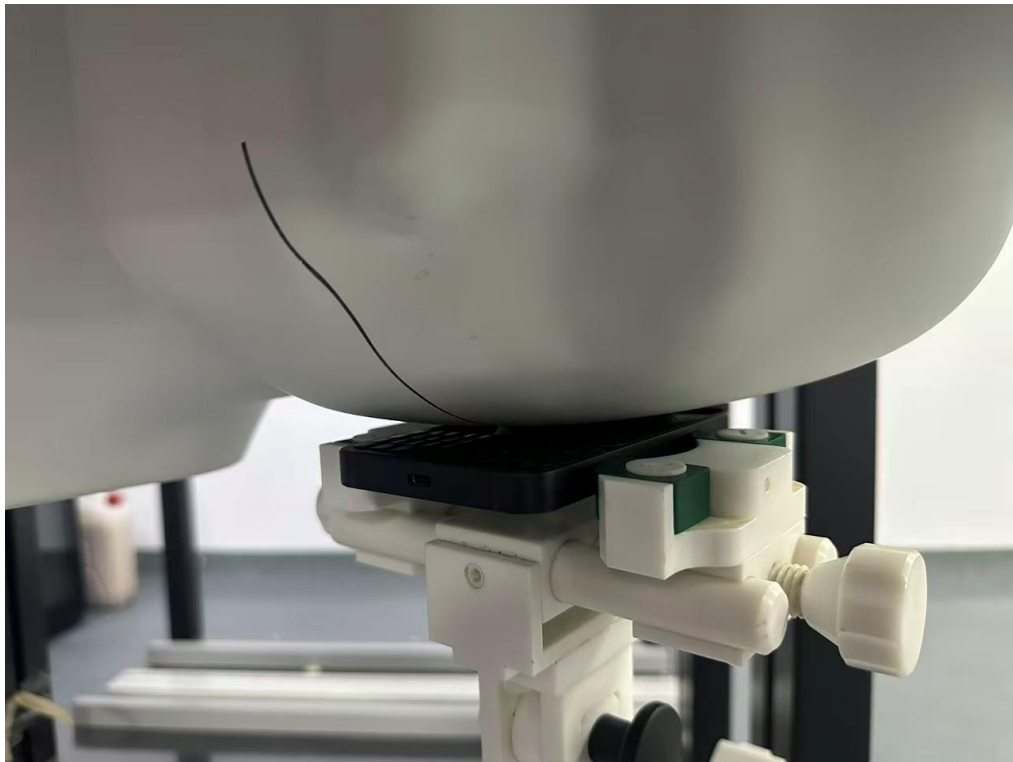


Right Tilt

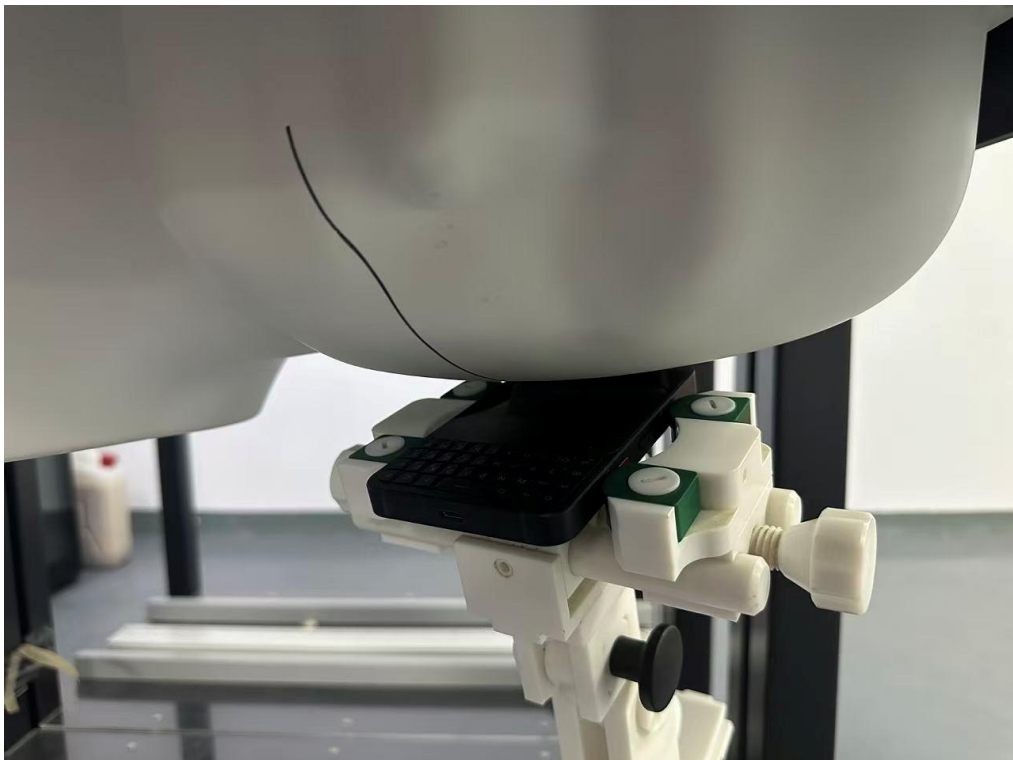




Left Touch

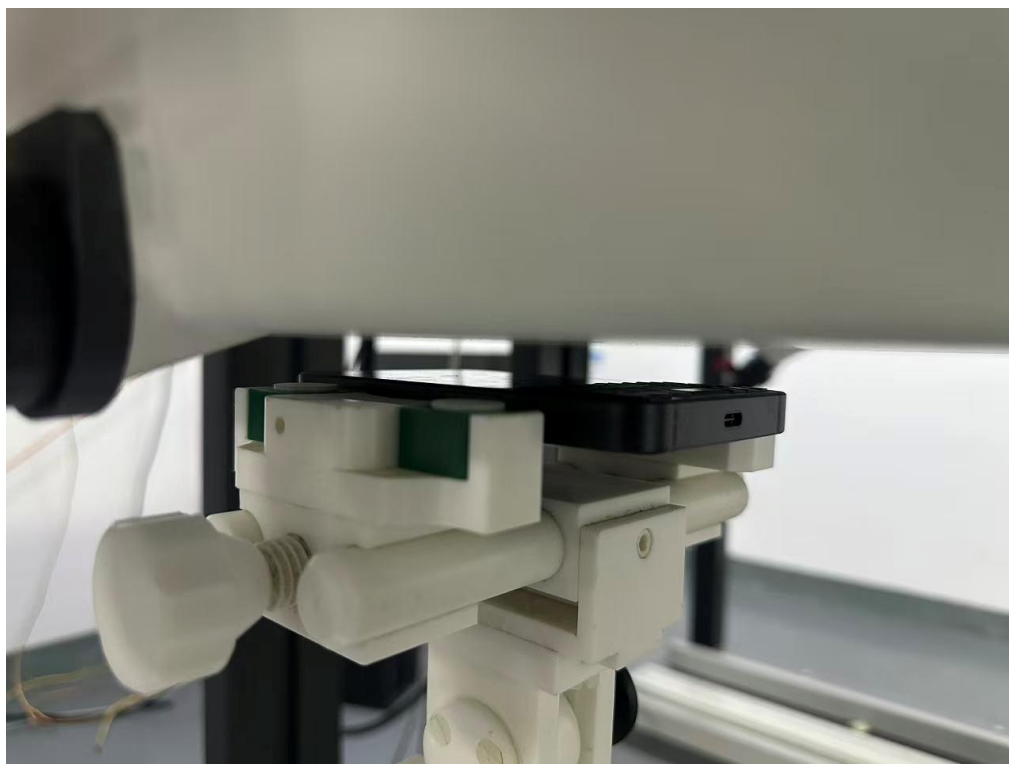


Left Tilt





Body Front side (separation distance is 10mm)

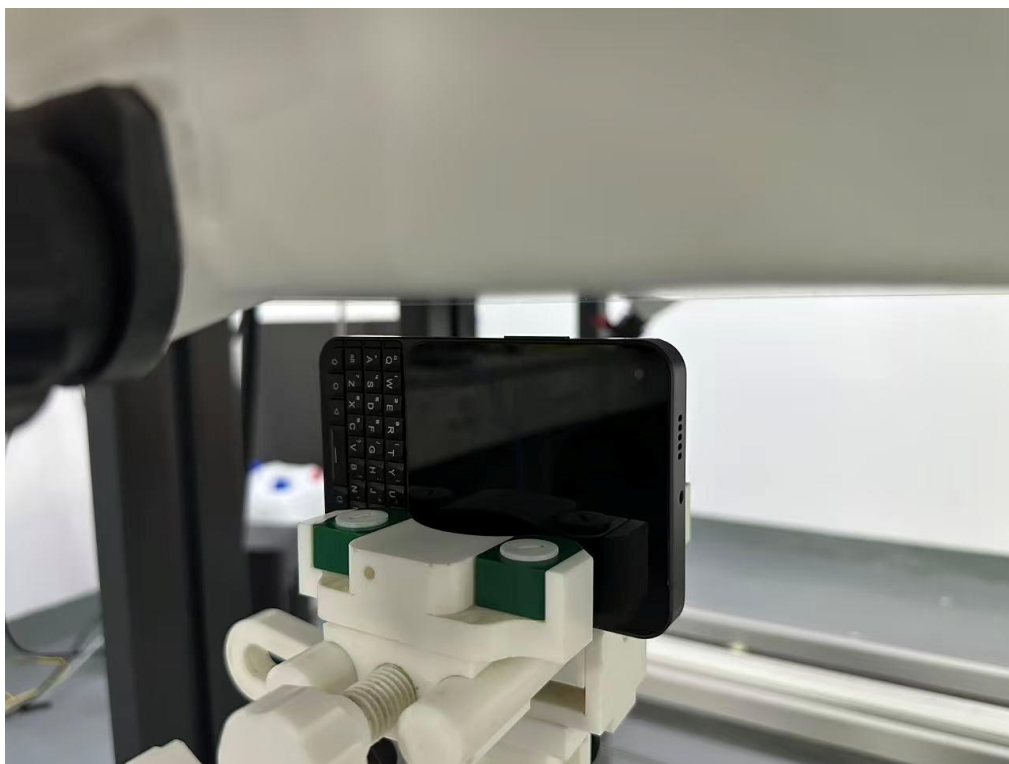


Body Back side (separation distance 10mm)

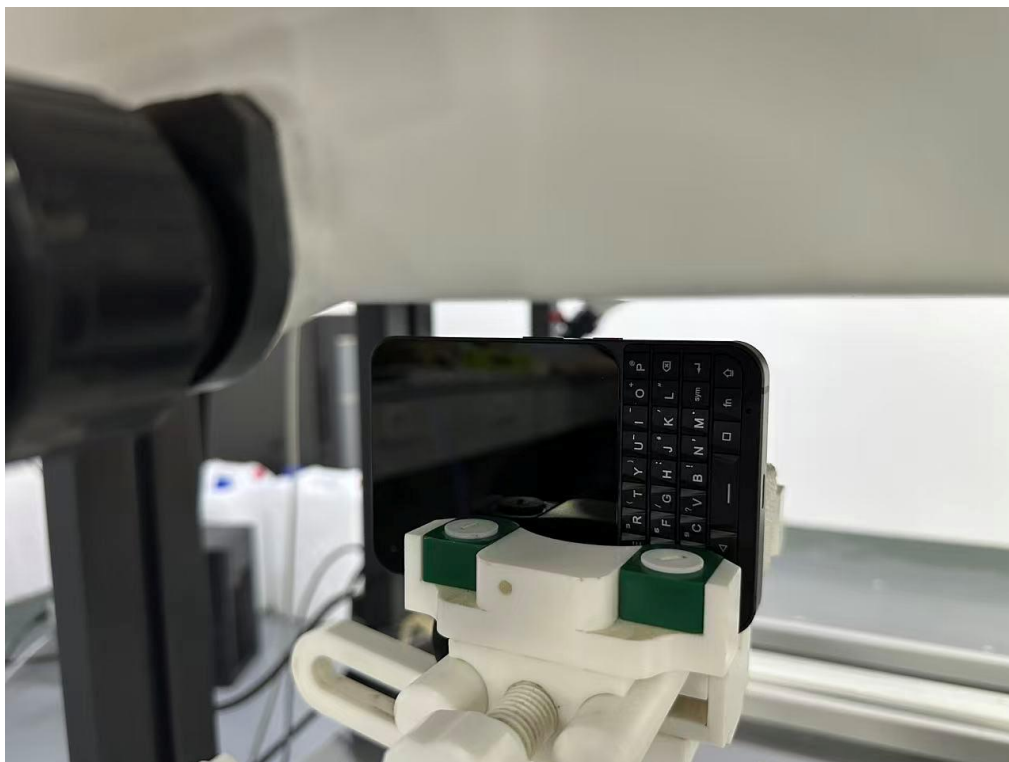




Body Left side (separation distance is 10mm)



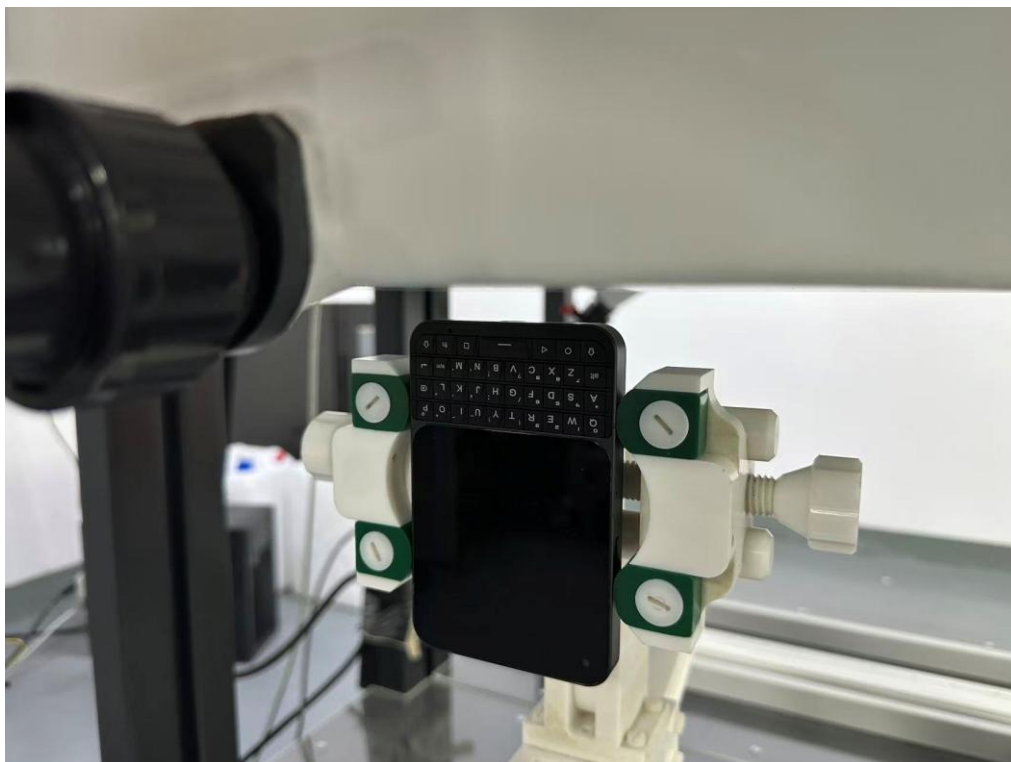
Body Right side (separation distance is 10mm)



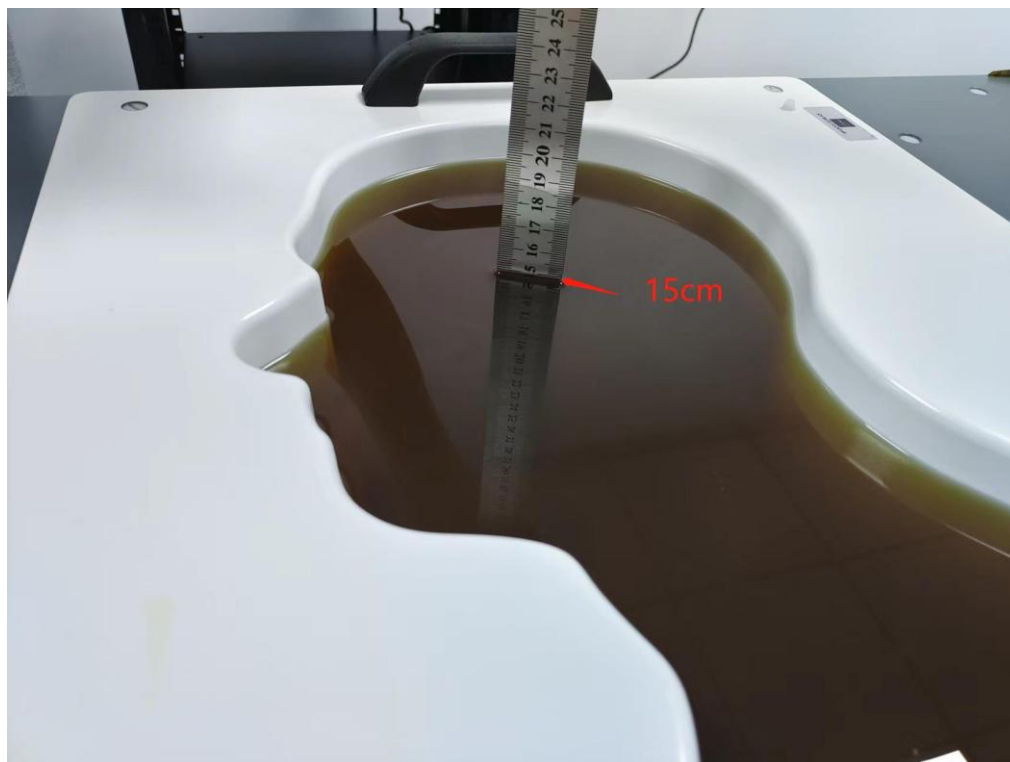
Body Top side (separation distance is 10mm)



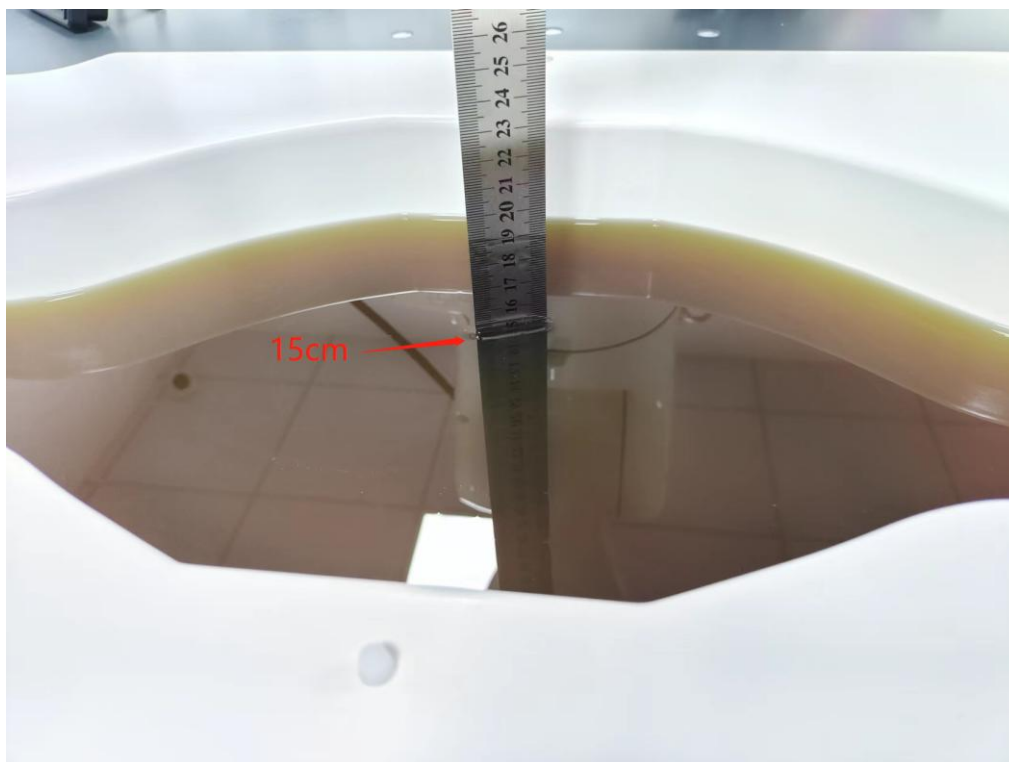
Body Bottom side (separation distance is 10mm)



Liquid depth (15 cm)



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	824.2	0.15	-3.98	29.90	29.58	1.076	0.161	1
		Right Tilt	824.2	0.078	0.34	29.90	29.58	1.076	0.084	/
		Left Cheek	824.2	0.132	0.34	29.90	29.58	1.076	0.142	/
		Left Tilt	824.2	0.068	0.45	29.90	29.58	1.076	0.073	/
PCS 1900	GSM	Right Cheek	1850.2	0.372	-2.55	27.70	27.35	1.084	0.403	3
		Right Tilt	1850.2	0.189	-0.22	27.70	27.35	1.084	0.205	/
		Left Cheek	1850.2	0.322	-3.63	27.70	27.35	1.084	0.349	/
		Left Tilt	1850.2	0.163	-2.34	27.70	27.35	1.084	0.177	/
WCDMA Band II	RMC	Right Cheek	1852.4	0.480	-0.38	25.70	25.35	1.084	0.520	5
		Right Tilt	1852.4	0.244	-1.43	25.70	25.35	1.084	0.264	/
		Left Cheek	1852.4	0.454	3.95	25.70	25.35	1.084	0.492	/
		Left Tilt	1852.4	0.233	-0.93	25.70	25.35	1.084	0.253	/
WCDMA Band IV	RMC	Right Cheek	1740	0.409	-1.41	25.50	25.17	1.079	0.441	7
		Right Tilt	1740	0.205	-1.80	25.50	25.17	1.079	0.221	/
		Left Cheek	1740	0.355	-0.78	25.50	25.17	1.079	0.383	/
		Left Tilt	1740	0.18	1.94	25.50	25.17	1.079	0.194	/
WCDMA Band V	RMC	Right Cheek	846.6	0.206	2.47	25.50	25.15	1.084	0.223	/
		Right Tilt	846.6	0.107	-0.33	25.50	25.15	1.084	0.116	/
		Left Cheek	846.6	0.216	-2.25	25.50	25.15	1.084	0.234	9
		Left Tilt	846.6	0.113	-1.22	25.50	25.15	1.084	0.122	/
2.4G WLAN ANT 1	802.11b	Right Cheek	2437	0.353	2.72	16.10	15.78	1.076	0.380	/
		Right Tilt	2437	0.178	1.74	16.10	15.78	1.076	0.192	/
		Left Cheek	2412	0.589	-2.43	16.10	15.48	1.076	0.634	/
		Left Cheek	2437	0.609	-3.70	16.10	15.78	1.076	0.655	11
		Left Cheek	2462	0.595	-1.44	16.10	15.67	1.076	0.640	/
		Left Tilt	2437	0.357	2.33	16.10	15.78	1.076	0.384	/
2.4G WLAN ANT 2	802.11a	Right Cheek	2412	0.112	2.79	14.50	14.22	1.076	0.121	/
		Right Tilt	2412	0.059	3.86	14.50	14.22	1.076	0.063	/
		Left Cheek	2412	0.221	-0.45	14.50	14.22	1.076	0.238	13
		Left Tilt	2412	0.116	-2.28	14.50	14.22	1.076	0.125	/
2.4G WLAN MIMO 1	802.11ac-VHT20	Right Cheek	2437	0.138	-1.59	16.00	15.73	1.067	0.147	/
		Right Tilt	2437	0.07	1.56	16.00	15.73	1.067	0.075	/
		Left Cheek	2437	0.222	-1.00	16.00	15.73	1.067	0.237	15
		Left Tilt	2437	0.116	3.84	16.00	15.73	1.067	0.124	/
2.4G WLAN MIMO 2	802.11ac-VHT20	Right Cheek	2437	0.143	3.58	16.00	15.73	1.067	0.153	/
		Right Tilt	2437	0.077	-3.87	16.00	15.73	1.067	0.082	/
		Left Cheek	2437	0.233	2.83	16.00	15.73	1.067	0.249	17
		Left Tilt	2437	0.118	-3.59	16.00	15.73	1.067	0.126	/



5.2G WLAN ANT 1	802.11a	Right Cheek	5180	0.222	1.14	12.60	12.33	1.076	0.239	/
		Right Tilt	5180	0.112	2.88	12.60	12.33	1.076	0.121	/
		Left Cheek	5180	0.358	-3.36	12.60	12.33	1.076	0.385	19
		Left Tilt	5180	0.181	0.73	12.60	12.33	1.076	0.195	/
5.2G WLAN ANT 2	802.11a	Right Cheek	5180	0.272	-1.42	13.70	13.39	1.081	0.294	/
		Right Tilt	5180	0.137	3.48	13.70	13.39	1.081	0.148	/
		Left Cheek	5180	0.443	3.09	13.70	13.39	1.081	0.479	21
		Left Tilt	5180	0.226	-1.77	13.70	13.39	1.081	0.244	/
5.2G WLAN MIMO 1	802.11ax- HE20	Right Cheek	5180	0.231	1.36	14.00	13.66	1.074	0.248	/
		Right Tilt	5180	0.119	1.45	14.00	13.66	1.074	0.128	/
		Left Cheek	5180	0.321	2.47	14.00	13.66	1.074	0.345	23
		Left Tilt	5180	0.188	0.49	14.00	13.66	1.074	0.202	/
5.2G WLAN MIMO 2	802.11ax- HE20	Right Cheek	5180	0.234	-0.68	14.00	13.66	1.074	0.251	/
		Right Tilt	5180	0.119	1.81	14.00	13.66	1.074	0.128	/
		Left Cheek	5180	0.312	2.08	14.00	13.66	1.074	0.335	25
		Left Tilt	5180	0.194	-3.50	14.00	13.66	1.074	0.208	/
5.3G WLAN ANT 1	802.11a	Right Cheek	5260	0.28	3.86	12.70	12.44	1.084	0.304	/
		Right Tilt	5260	0.141	1.47	12.70	12.44	1.079	0.152	/
		Left Cheek	5260	0.454	-1.12	12.70	12.44	1.079	0.490	27
		Left Tilt	5260	0.231	1.05	12.70	12.44	1.079	0.249	/
5.3G WLAN ANT 2	802.11a	Right Cheek	5260	0.325	-3.58	13.90	13.61	1.081	0.351	/
		Right Tilt	5260	0.168	-1.62	13.90	13.61	1.081	0.182	/
		Left Cheek	5260	0.530	3.08	13.90	13.61	1.081	0.573	29
		Left Tilt	5260	0.265	-0.96	13.90	13.61	1.081	0.286	/
5.3G WLAN MIMO 1	802.11ax- HE20	Right Cheek	5300	0.206	-2.77	13.80	13.49	1.084	0.223	/
		Right Tilt	5300	0.104	2.98	13.80	13.49	1.084	0.113	/
		Left Cheek	5300	0.301	2.62	13.80	13.49	1.084	0.326	31
		Left Tilt	5300	0.167	-1.36	13.80	13.49	1.084	0.181	/
5.3G WLAN MIMO 2	802.11ax- HE20	Right Cheek	5300	0.207	-3.29	13.80	13.49	1.084	0.224	/
		Right Tilt	5300	0.106	3.27	13.80	13.49	1.084	0.115	/
		Left Cheek	5300	0.303	2.17	13.80	13.49	1.084	0.328	33
		Left Tilt	5300	0.168	3.32	13.80	13.49	1.084	0.182	/
5.6G WLAN ANT 1	802.11a	Right Cheek	5700	0.127	-1.98	9.80	9.53	1.074	0.136	/
		Right Tilt	5700	0.066	2.52	9.80	9.53	1.074	0.071	/
		Left Cheek	5700	0.207	0.33	9.80	9.53	1.074	0.222	35
		Left Tilt	5700	0.109	-0.89	9.80	9.53	1.074	0.117	/
5.6G WLAN ANT 2	802.11a	Right Cheek	5500	0.38	0.89	10.20	9.87	1.079	0.410	/
		Right Tilt	5500	0.192	-3.15	10.20	9.87	1.079	0.207	/
		Left Cheek	5500	0.616	-1.05	10.20	9.87	1.079	0.665	37
		Left Tilt	5500	0.31	-2.81	10.20	9.87	1.079	0.334	/
5.6G WLAN MIMO 1	802.11ax- HE20	Right Cheek	5700	0.099	-3.12	13.10	12.75	1.069	0.106	/
		Right Tilt	5700	0.054	2.57	13.10	12.75	1.069	0.058	/
		Left Cheek	5700	0.159	-3.93	13.10	12.75	1.069	0.170	39
		Left Tilt	5700	0.085	-2.24	13.10	12.75	1.069	0.091	/
5.6G WLAN MIMO 2	802.11ax- HE20	Right Cheek	5700	0.082	-2.65	13.10	12.75	1.069	0.088	/
		Right Tilt	5700	0.043	2.77	13.10	12.75	1.069	0.046	/
		Left Cheek	5700	0.126	3.03	13.10	12.75	1.069	0.135	41
		Left Tilt	5700	0.068	-1.29	13.10	12.75	1.069	0.073	/



5.8G WLAN ANT 1	802.11a	Right Cheek	5745	0.199	2.76	15.40	15.05	1.072	0.213	/
		Right Tilt	5745	0.102	-1.14	15.40	15.05	1.072	0.109	/
		Left Cheek	5745	0.324	-3.13	15.40	15.05	1.072	0.347	43
		Left Tilt	5745	0.164	3.93	15.40	15.05	1.072	0.176	/
5.8G WLAN ANT 2	802.11a	Right Cheek	5745	0.29	0.60	15.50	15.18	1.064	0.309	/
		Right Tilt	5745	0.148	-3.06	15.50	15.18	1.064	0.157	/
		Left Cheek	5745	0.472	0.62	15.50	15.18	1.064	0.502	45
		Left Tilt	5745	0.238	1.22	15.50	15.18	1.064	0.253	/
5.8G WLAN MIMO 1	802.11ax- HE20	Right Cheek	5745	0.14	0.27	14.90	14.64	1.079	0.151	/
		Right Tilt	5745	0.075	2.11	14.90	14.64	1.079	0.081	/
		Left Cheek	5745	0.226	-3.86	14.90	14.64	1.079	0.244	47
		Left Tilt	5745	0.118	-1.88	14.90	14.64	1.079	0.127	/
5.8G WLAN MIMO 2	802.11ax- HE20	Right Cheek	5745	0.161	3.91	14.90	14.64	1.079	0.174	/
		Right Tilt	5745	0.082	-3.78	14.90	14.64	1.079	0.088	/
		Left Cheek	5745	0.257	-1.30	14.90	14.64	1.079	0.277	49
		Left Tilt	5745	0.132	-3.63	14.90	14.64	1.079	0.142	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ac-VHT20	0.237	0.486
	802.11ac-VHT20	0.249	
5.2G WLAN	802.11ax-HE20	0.345	0.680
	802.11ax-HE20	0.335	
5.3G WLAN	802.11ax-HE20	0.326	0.654
	802.11ax-HE20	0.328	
5.6G WLAN	802.11ax-HE20	0.17	0.305
	802.11ax-HE20	0.135	
5.8G WLAN	802.11ax-HE20	0.244	0.521
	802.11ax-HE20	0.277	



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1860	0.205	1.06	24.70	24.38	1.076	0.221	51
			50	0	Right Cheek	1860	0.187	-1.58	23.60	23.31	1.069	0.200	/
			1	0	Right Tilt	1860	0.126	3.29	24.70	24.38	1.076	0.136	/
			50	0	Right Tilt	1860	0.148	-0.37	23.60	23.31	1.069	0.158	/
			1	0	Left Cheek	1860	0.111	-1.89	24.70	24.38	1.076	0.119	/
			50	0	Left Cheek	1860	0.104	-3.69	23.60	23.31	1.069	0.111	/
			1	0	Left Tilt	1860	0.068	1.77	24.70	24.38	1.076	0.073	/
			50	0	Left Tilt	1860	0.065	0.81	23.60	23.31	1.069	0.069	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1720	0.208	2.32	17.80	17.46	1.081	0.225	53
			50	49	Right Cheek	1720	0.185	1.44	16.60	16.32	1.067	0.197	/
			1	0	Right Tilt	1720	0.128	2.05	17.80	17.46	1.081	0.138	/
			50	49	Right Tilt	1720	0.145	-1.20	16.60	16.32	1.067	0.155	/
			1	0	Left Cheek	1720	0.11	1.57	17.80	17.46	1.081	0.119	/
			50	49	Left Cheek	1720	0.104	-0.50	16.60	16.32	1.067	0.111	/
			1	0	Left Tilt	1720	0.066	3.30	17.80	17.46	1.081	0.071	/
			50	49	Left Tilt	1720	0.063	3.18	16.60	16.32	1.067	0.067	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.189	-2.25	24.80	24.52	1.067	0.202	/
			25	24	Right Cheek	844	0.171	3.74	23.80	23.48	1.076	0.184	/
			1	49	Right Tilt	844	0.118	2.65	24.80	24.52	1.067	0.126	/
			25	24	Right Tilt	844	0.104	-1.91	23.80	23.48	1.076	0.112	/
			1	49	Left Cheek	844	0.213	3.47	24.80	24.52	1.067	0.227	55
			25	24	Left Cheek	844	0.193	0.77	23.80	23.48	1.076	0.208	/
			1	49	Left Tilt	844	0.128	2.90	24.80	24.52	1.067	0.137	/
			25	24	Left Tilt	844	0.117	-1.01	23.80	23.48	1.076	0.126	/
LTE Band 7	20M	QPSK	1	99	Right Cheek	2510	0.419	2.51	22.20	21.90	1.072	0.449	57
			50	49	Right Cheek	2510	0.376	0.99	21.10	20.81	1.069	0.402	/
			1	99	Right Tilt	2510	0.254	1.11	22.20	21.90	1.072	0.272	/
			50	49	Right Tilt	2510	0.296	-1.92	21.10	20.81	1.069	0.316	/
			1	99	Left Cheek	2510	0.225	-0.82	22.20	21.90	1.072	0.241	/
			50	49	Left Cheek	2510	0.207	2.57	21.10	20.81	1.069	0.221	/
			1	99	Left Tilt	2510	0.135	-0.41	22.20	21.90	1.072	0.145	/
			50	49	Left Tilt	2510	0.125	2.90	21.10	20.81	1.069	0.134	/
LTE Band 12	10M	QPSK	1	49	Right Cheek	704	0.24	3.18	24.70	24.42	1.067	0.256	/
			25	24	Right Cheek	704	0.217	3.17	23.60	23.26	1.081	0.235	/
			1	49	Right Tilt	704	0.144	2.01	24.70	24.42	1.067	0.154	/
			25	24	Right Tilt	704	0.131	0.54	23.60	23.26	1.081	0.142	/



			1	49	Left Cheek	704	0.269	3.10	24.70	24.42	1.067	0.287	59
			25	24	Left Cheek	704	0.244	2.80	23.60	23.26	1.081	0.264	/
			1	49	Left Tilt	704	0.166	1.35	24.70	24.42	1.067	0.177	/
			25	24	Left Tilt	704	0.15	-2.53	23.60	23.26	1.081	0.162	/
LTE Band 13	10M	QPSK	1	0	Right Cheek	782	0.057	-2.91	24.60	24.32	1.067	0.061	/
			25	0	Right Cheek	782	0.052	-0.59	23.50	23.16	1.081	0.056	/
			1	0	Right Tilt	782	0.036	1.92	24.60	24.32	1.067	0.038	/
			25	0	Right Tilt	782	0.032	-3.40	23.50	23.16	1.081	0.035	/
			1	0	Left Cheek	782	0.060	1.29	24.60	24.32	1.067	0.064	61
			25	0	Left Cheek	782	0.055	-3.25	23.50	23.16	1.081	0.059	/
			1	0	Left Tilt	782	0.037	3.60	24.60	24.32	1.067	0.039	/
			25	0	Left Tilt	782	0.035	1.52	23.50	23.16	1.081	0.038	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	711	0.19	1.79	24.60	24.27	1.079	0.205	/
			25	0	Right Cheek	710	0.173	-3.96	23.50	23.22	1.067	0.185	/
			1	0	Right Tilt	711	0.115	-3.06	24.60	24.27	1.079	0.124	/
			25	0	Right Tilt	710	0.105	-2.80	23.50	23.22	1.067	0.112	/
			1	0	Left Cheek	711	0.211	-0.41	24.60	24.27	1.079	0.228	63
			25	0	Left Cheek	710	0.192	0.37	23.50	23.22	1.067	0.205	/
			1	0	Left Tilt	711	0.13	0.64	24.60	24.27	1.079	0.140	/
			25	0	Left Tilt	710	0.118	-0.76	23.50	23.22	1.067	0.126	/
LTE Band 25	20M	QPSK	1	0	Right Cheek	1882.5	0.625	3.46	17.80	17.54	1.062	0.664	65
			50	49	Right Cheek	1860	0.565	-3.15	16.70	16.42	1.067	0.603	/
			1	0	Right Tilt	1882.5	0.379	3.88	17.80	17.54	1.062	0.402	/
			50	49	Right Tilt	1860	0.444	-0.67	16.70	16.42	1.067	0.474	/
			1	0	Left Cheek	1882.5	0.334	-3.04	17.80	17.54	1.062	0.355	/
			50	49	Left Cheek	1860	0.303	-1.94	16.70	16.42	1.067	0.323	/
			1	0	Left Tilt	1882.5	0.204	-3.27	17.80	17.54	1.062	0.217	/
			50	49	Left Tilt	1860	0.182	0.12	16.70	16.42	1.067	0.194	/
LTE Band 26	15M	QPSK	1	74	Right Cheek	844	0.241	1.17	24.90	24.55	1.084	0.261	/
			36	39	Right Cheek	844	0.218	-1.90	23.70	23.42	1.067	0.233	/
			1	74	Right Tilt	844	0.147	-1.61	24.90	24.55	1.084	0.159	/
			36	39	Right Tilt	844	0.131	3.32	23.70	23.42	1.067	0.140	/
			1	74	Left Cheek	844	0.269	0.64	24.90	24.55	1.084	0.292	67
			36	39	Left Cheek	844	0.245	-1.18	23.70	23.42	1.067	0.261	/
			1	74	Left Tilt	844	0.162	-3.32	24.90	24.55	1.084	0.176	/
			36	39	Left Tilt	844	0.149	-3.47	23.70	23.42	1.067	0.159	/
LTE Band 38	20M	QPSK	1	49	Right Cheek	2610	0.094	2.32	24.70	24.41	1.069	0.100	69
			50	24	Right Cheek	2610	0.084	1.45	24.50	24.20	1.072	0.090	/
			1	49	Right Tilt	2610	0.056	-1.44	24.70	24.41	1.069	0.060	/



			50	24	Right Tilt	2610	0.068	-1.73	24.50	24.20	1.072	0.073	/
			1	49	Left Cheek	2610	0.052	-3.27	24.70	24.41	1.069	0.056	/
			50	24	Left Cheek	2610	0.049	-3.44	24.50	24.20	1.072	0.053	/
			1	49	Left Tilt	2610	0.035	-0.68	24.70	24.41	1.069	0.037	/
			50	24	Left Tilt	2610	0.031	-1.09	24.50	24.20	1.072	0.033	/
LTE Band 40	10M	QPSK	1	49	Right Cheek	2350	0.340	3.82	18.50	18.17	1.079	0.367	71
			50	24	Right Cheek	2350	0.308	-3.93	17.90	17.63	1.064	0.328	/
			1	49	Right Tilt	2350	0.205	-2.20	18.50	18.17	1.079	0.221	/
			50	24	Right Tilt	2350	0.241	1.94	17.90	17.63	1.064	0.256	/
			1	49	Left Cheek	2350	0.181	-2.00	18.50	18.17	1.079	0.195	/
			50	24	Left Cheek	2350	0.169	-3.95	17.90	17.63	1.064	0.180	/
			1	49	Left Tilt	2350	0.111	2.20	18.50	18.17	1.079	0.120	/
			50	24	Left Tilt	2350	0.101	-2.73	17.90	17.63	1.064	0.107	/
LTE Band 41	20M	QPSK	1	0	Right Cheek	2680	0.069	1.46	24.80	24.50	1.072	0.074	73
			50	24	Right Cheek	2680	0.062	-2.48	24.30	24.01	1.069	0.066	/
			1	0	Right Tilt	2680	0.042	1.50	24.80	24.50	1.072	0.045	/
			50	24	Right Tilt	2680	0.049	3.20	24.30	24.01	1.069	0.052	/
			1	0	Left Cheek	2680	0.036	3.03	24.80	24.50	1.072	0.039	/
			50	24	Left Cheek	2680	0.036	-3.00	24.30	24.01	1.069	0.038	/
			1	0	Left Tilt	2680	0.024	1.50	24.80	24.50	1.072	0.026	/
			50	24	Left Tilt	2680	0.021	3.46	24.30	24.01	1.069	0.022	/
LTE Band 66	20M	QPSK	1	0	Right Cheek	1745	0.208	0.40	24.50	24.20	1.072	0.223	75
			50	0	Right Cheek	1770	0.187	-1.07	23.40	23.09	1.074	0.201	/
			1	0	Right Tilt	1745	0.128	-3.23	24.50	24.20	1.072	0.137	/
			50	0	Right Tilt	1770	0.145	0.81	23.40	23.09	1.074	0.156	/
			1	0	Left Cheek	1745	0.112	-1.18	24.50	24.20	1.072	0.120	/
			50	0	Left Cheek	1770	0.104	2.83	23.40	23.09	1.074	0.112	/
			1	0	Left Tilt	1745	0.067	3.37	24.50	24.20	1.072	0.072	/
			50	0	Left Tilt	1770	0.063	-3.34	23.40	23.09	1.074	0.068	/
LTE Band 71	20M	QPSK	1	0	Right Cheek	688	0.114	-0.52	24.40	24.14	1.062	0.121	/
			50	0	Right Cheek	673	0.104	-0.33	23.40	23.09	1.074	0.112	/
			1	0	Right Tilt	688	0.069	1.52	24.40	24.14	1.062	0.073	/
			50	0	Right Tilt	673	0.065	-1.24	23.40	23.09	1.074	0.070	/
			1	0	Left Cheek	688	0.125	-2.48	24.40	24.14	1.062	0.133	77
			50	0	Left Cheek	673	0.119	-2.29	23.40	23.09	1.074	0.128	/
			1	0	Left Tilt	688	0.077	-3.57	24.40	24.14	1.062	0.082	/
			50	0	Left Tilt	673	0.071	-2.76	23.40	23.09	1.074	0.076	/
SA N2	20M	DFT BPSK	1	104	Right Cheek	1860	0.189	-2.19	22.40	22.00	1.096	0.207	79
			50	25	Right Cheek	1880	0.171	-1.63	22.40	21.98	1.102	0.188	/



			1	104	Right Tilt	1860	0.114	-1.75	22.40	22.00	1.096	0.125	/
			50	25	Right Tilt	1880	0.138	-2.47	22.40	21.98	1.102	0.152	/
			1	104	Left Cheek	1860	0.104	2.69	22.40	22.00	1.096	0.114	/
			50	25	Left Cheek	1880	0.098	2.54	22.40	21.98	1.102	0.108	/
			1	104	Left Tilt	1860	0.065	-0.59	22.40	22.00	1.096	0.071	/
			50	25	Left Tilt	1880	0.059	-1.80	22.40	21.98	1.102	0.065	/
SA N5	20M	DFT_BPSK	1	104	Right Cheek	839	0.259	-2.49	22.40	22.01	1.094	0.283	/
			50	25	Right Cheek	834	0.232	3.00	22.40	21.93	1.114	0.259	/
			1	104	Right Tilt	839	0.156	-2.61	22.40	22.01	1.094	0.171	/
			50	25	Right Tilt	834	0.141	-0.57	22.40	21.93	1.114	0.157	/
			1	104	Left Cheek	839	0.293	2.68	22.40	22.01	1.094	0.321	81
			50	25	Left Cheek	834	0.267	-3.35	22.40	21.93	1.114	0.298	/
			1	104	Left Tilt	839	0.178	3.16	22.40	22.01	1.094	0.195	/
			50	25	Left Tilt	834	0.164	-2.27	22.40	21.93	1.114	0.183	/
SA N7	20M	DFT_QPSK	1	1	Right Cheek	2510	0.209	-0.39	22.00	21.41	1.146	0.239	83
			50	25	Right Cheek	2510	0.188	-3.63	22.00	21.55	1.109	0.209	/
			1	1	Right Tilt	2510	0.128	-0.71	22.00	21.41	1.146	0.147	/
			135	25	Right Tilt	2510	0.15	3.36	22.00	21.55	1.109	0.166	/
			1	1	Left Cheek	2510	0.112	-0.93	22.00	21.41	1.146	0.128	/
			135	25	Left Cheek	2510	0.103	2.40	22.00	21.55	1.109	0.114	/
			1	1	Left Tilt	2510	0.068	-3.78	22.00	21.41	1.146	0.078	/
			135	25	Left Tilt	2510	0.065	-3.93	22.00	21.55	1.109	0.072	/
SA N12	15M	DFT_BPSK	1	77	Right Cheek	711	0.197	-3.49	22.30	21.81	1.119	0.221	/
			36	18	Right Cheek	711	0.178	0.67	22.30	21.85	1.109	0.197	/
			1	77	Right Tilt	711	0.123	-0.05	22.30	21.81	1.119	0.138	/
			36	18	Right Tilt	711	0.11	-0.33	22.30	21.85	1.109	0.122	/
			1	77	Left Cheek	711	0.219	1.59	22.30	21.81	1.119	0.245	85
			36	18	Left Cheek	711	0.2	3.95	22.30	21.85	1.109	0.222	/
			1	77	Left Tilt	711	0.132	-1.62	22.30	21.81	1.119	0.148	/
			36	18	Left Tilt	711	0.122	1.29	22.30	21.85	1.109	0.135	/
SA N13	10M	DFT_BPSK	1	50	Right Cheek	782	0.075	0.02	22.10	21.74	1.086	0.081	/
			25	12	Right Cheek	782	0.067	3.06	22.10	21.69	1.099	0.074	/
			1	50	Right Tilt	782	0.048	2.37	22.10	21.74	1.086	0.052	/
			50	12	Right Tilt	782	0.044	-1.36	22.10	21.69	1.099	0.048	/
			1	50	Left Cheek	782	0.084	-0.94	22.10	21.74	1.086	0.091	87
			50	12	Left Cheek	782	0.079	-1.12	22.10	21.69	1.099	0.087	/
			1	50	Left Tilt	782	0.051	-0.87	22.10	21.74	1.086	0.055	/
			50	12	Left Tilt	782	0.047	3.26	22.10	21.69	1.099	0.052	/
SA N25	20M	DFT_BPSK	1	104	Right Cheek	1905	0.455	-3.05	22.40	22.03	1.089	0.495	89



			50	25	Right Cheek	1882.5	0.409	0.90	22.40	22.00	1.096	0.448	/
			1	104	Right Tilt	1905	0.274	-2.92	22.40	22.03	1.089	0.298	/
			50	25	Right Tilt	1882.5	0.323	-3.43	22.40	22.00	1.096	0.354	/
			1	104	Left Cheek	1905	0.243	3.73	22.40	22.03	1.089	0.265	/
			50	25	Left Cheek	1882.5	0.222	-0.43	22.40	22.00	1.096	0.243	/
			1	104	Left Tilt	1905	0.15	-1.76	22.40	22.03	1.089	0.163	/
			50	25	Left Tilt	1882.5	0.137	-3.36	22.40	22.00	1.096	0.150	/
SA N26	20M	DFT_BPSK	1	104	Right Cheek	844	0.168	1.09	22.40	21.99	1.099	0.185	/
			50	25	Right Cheek	829	0.154	-2.83	22.40	21.92	1.117	0.172	/
			1	104	Right Tilt	844	0.102	-2.36	22.40	21.99	1.099	0.112	/
			50	25	Right Tilt	829	0.095	2.23	22.40	21.92	1.117	0.106	/
			1	104	Left Cheek	844	0.185	-3.94	22.40	21.99	1.099	0.203	91
			50	25	Left Cheek	829	0.169	3.02	22.40	21.92	1.117	0.189	/
			1	104	Left Tilt	844	0.113	0.51	22.40	21.99	1.099	0.124	/
			50	25	Left Tilt	829	0.105	-0.16	22.40	21.92	1.117	0.117	/
SA N38	40M	DFT_QPSK	1	104	Right Cheek	2595	0.156	2.80	22.40	21.97	1.104	0.172	93
			50	25	Right Cheek	2600	0.139	-3.59	22.40	21.78	1.153	0.160	/
			1	104	Right Tilt	2595	0.095	-1.27	22.40	21.97	1.104	0.105	/
			50	25	Right Tilt	2600	0.113	-1.88	22.40	21.78	1.153	0.130	/
			1	104	Left Cheek	2595	0.088	1.81	22.40	21.97	1.104	0.097	/
			50	25	Left Cheek	2600	0.084	-1.24	22.40	21.78	1.153	0.097	/
			1	104	Left Tilt	2595	0.054	-2.82	22.40	21.97	1.104	0.060	/
			50	25	Left Tilt	2600	0.052	-0.47	22.40	21.78	1.153	0.060	/
SA N41	100M	DFT_BPSK	1	271	Right Cheek	2640	0.546	2.29	22.50	22.12	1.091	0.596	95
			135	67	Right Cheek	2640	0.491	-0.96	22.50	21.88	1.153	0.566	/
			1	271	Right Tilt	2640	0.331	3.33	22.50	22.12	1.091	0.361	/
			135	67	Right Tilt	2640	0.387	-2.22	22.50	21.88	1.153	0.446	/
			1	271	Left Cheek	2640	0.291	1.45	22.50	22.12	1.091	0.318	/
			135	67	Left Cheek	2640	0.264	-0.95	22.50	21.88	1.153	0.305	/
			1	271	Left Tilt	2640	0.179	-3.97	22.50	22.12	1.091	0.195	/
			135	67	Left Tilt	2640	0.163	-3.28	22.50	21.88	1.153	0.188	/
SA N66	40M	DFT_BPSK	1	214	Right Cheek	1745	0.375	-2.55	22.20	21.80	1.096	0.411	97
			108	54	Right Cheek	1777.5	0.336	1.77	22.20	21.72	1.117	0.375	/
			1	214	Right Tilt	1745	0.228	1.56	22.20	21.80	1.096	0.250	/
			50	54	Right Tilt	1777.5	0.262	-1.84	22.20	21.72	1.117	0.293	/
			1	214	Left Cheek	1745	0.198	-3.55	22.20	21.80	1.096	0.217	/
			50	54	Left Cheek	1777.5	0.18	2.61	22.20	21.72	1.117	0.201	/
			1	214	Left Tilt	1745	0.122	-2.76	22.20	21.80	1.096	0.134	/
			50	54	Left Tilt	1777.5	0.109	-3.16	22.20	21.72	1.117	0.122	/



SA N71	20M	DFT_ QPSK	1	104	Right Cheek	673	0.022	-1.77	22.50	22.09	1.099	0.024	/
			50	25	Right Cheek	673	0.024	-2.69	22.50	22.14	1.086	0.026	/
			1	104	Right Tilt	673	0.014	3.55	22.50	22.09	1.099	0.015	/
			50	25	Right Tilt	673	0.017	-3.06	22.50	22.14	1.086	0.018	/
			1	104	Left Cheek	673	0.021	0.90	22.50	22.09	1.099	0.023	99
			50	25	Left Cheek	673	0.022	-3.44	22.50	22.14	1.086	0.024	/
			1	104	Left Tilt	673	0.013	1.06	22.50	22.09	1.099	0.014	/
			50	25	Left Tilt	673	0.015	1.80	22.50	22.14	1.086	0.016	/
SA N77	100M	DFT_ QPSK	1	271	Right Cheek	3840	0.228	-1.13	21.20	20.82	1.091	0.249	101
			135	67	Right Cheek	3750	0.205	-2.09	21.20	20.62	1.143	0.234	/
			1	271	Right Tilt	3840	0.137	-0.57	21.20	20.82	1.091	0.150	/
			135	67	Right Tilt	3750	0.164	0.61	21.20	20.62	1.143	0.187	/
			1	271	Left Cheek	3840	0.123	0.57	21.20	20.82	1.091	0.134	/
			135	67	Left Cheek	3750	0.113	1.35	21.20	20.62	1.143	0.129	/
			1	271	Left Tilt	3840	0.076	1.57	21.20	20.82	1.091	0.083	/
			135	67	Left Tilt	3750	0.07	-2.89	21.20	20.62	1.143	0.080	/
SA N78	100M	DFT_ QPSK	1	1	Right Cheek	3500	0.645	1.08	21.10	20.70	1.096	0.707	103
			135	67	Right Cheek	3500	0.58	-0.30	21.10	20.43	1.167	0.677	/
			1	1	Right Tilt	3500	0.389	-0.42	21.10	20.70	1.096	0.427	/
			135	67	Right Tilt	3500	0.453	2.57	21.10	20.43	1.167	0.529	/
			1	1	Left Cheek	3500	0.343	-1.74	21.10	20.70	1.096	0.376	/
			135	67	Left Cheek	3500	0.31	3.61	21.10	20.43	1.167	0.362	/
			1	1	Left Tilt	3500	0.209	-1.22	21.10	20.70	1.096	0.229	/
			135	67	Left Tilt	3500	0.188	-1.22	21.10	20.43	1.167	0.219	/



NSA

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power(dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
SA N41	50M	DFT_QPSK	1	0	Right Cheek	2640	0.546	2.29	22.50	22.12	1.091	0.596	95
			135	0	Right Cheek	2640	0.491	-0.96	22.50	21.88	1.153	0.566	/
			1	0	Right Tilt	2640	0.331	3.33	22.50	22.12	1.091	0.361	/
			135	0	Right Tilt	2640	0.387	-2.22	22.50	21.88	1.153	0.446	/
			1	0	Left Cheek	2640	0.291	1.45	22.50	22.12	1.091	0.318	/
			135	0	Left Cheek	2640	0.264	-0.95	22.50	21.88	1.153	0.305	/
			1	0	Left Tilt	2640	0.179	-3.97	22.50	22.12	1.091	0.195	/
			135	0	Left Tilt	2640	0.163	-3.28	22.50	21.88	1.153	0.188	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	844	0.189	-2.25	24.80	24.52	1.067	0.202	/
			25	0	Right Cheek	844	0.171	3.74	23.80	23.48	1.076	0.184	/
			1	0	Right Tilt	844	0.118	2.65	24.80	24.52	1.067	0.126	/
			25	0	Right Tilt	844	0.104	-1.91	23.80	23.48	1.076	0.112	/
			1	0	Left Cheek	844	0.213	3.47	24.80	24.52	1.067	0.227	55
			25	0	Left Cheek	844	0.193	0.77	23.80	23.48	1.076	0.208	/
			1	0	Left Tilt	844	0.128	2.90	24.80	24.52	1.067	0.137	/
			25	0	Left Tilt	844	0.117	-1.01	23.80	23.48	1.076	0.126	/

Band	Mode	Max SAR	NSA N41+B5
		(W/Kg)	
NSA N41+B5	SA N41	0.596	0.823
	LTE B5	0.227	

Note:

1. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.

b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor

2. Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg.