



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 2	20M	QPSK	1	99	Front	10mm	5	21350	2560	21.42	22.70	1.343	0.03	0.419	0.563
	LTE Band 7_Ant 2	20M	QPSK	50	24	Front	10mm	5	21350	2560	21.44	22.70	1.337	-0.04	0.425	0.568
	LTE Band 7_Ant 2	20M	QPSK	1	99	Back	10mm	5	21350	2560	21.42	22.70	1.343	-0.1	0.500	0.671
	LTE Band 7_Ant 2	20M	QPSK	50	24	Back	10mm	5	21350	2560	21.44	22.70	1.337	-0.09	0.512	0.684
	LTE Band 7_Ant 2	20M	QPSK	50	24	Back	10mm	5	20850	2510	21.43	22.70	1.340	0.01	0.374	0.501
	LTE Band 7_Ant 2	20M	QPSK	50	24	Back	10mm	5	21100	2535	21.38	22.70	1.355	-0.04	0.482	0.653
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Back	10mm	5	21350	2560	20.74	22.70	1.570	0.02	0.417	0.655
	LTE Band 7_Ant 2	20M	QPSK	1	99	Front	10mm	6	21350	2560	21.42	21.50	1.019	0.03	0.419	0.427
	LTE Band 7_Ant 2	20M	QPSK	50	24	Front	10mm	6	21350	2560	21.44	21.50	1.014	-0.04	0.425	0.431
	LTE Band 7_Ant 2	20M	QPSK	1	99	Back	10mm	6	21350	2560	21.42	21.50	1.019	-0.1	0.500	0.509
	LTE Band 7_Ant 2	20M	QPSK	50	24	Back	10mm	6	21350	2560	21.44	21.50	1.014	-0.09	0.512	0.519
	LTE Band 7_Ant 2	20M	QPSK	50	24	Back	10mm	6	20850	2510	21.43	21.50	1.016	0.01	0.374	0.380
	LTE Band 7_Ant 2	20M	QPSK	50	24	Back	10mm	6	21100	2535	21.38	21.50	1.028	-0.04	0.482	0.496
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Back	10mm	6	21350	2560	20.74	21.50	1.191	0.02	0.417	0.497
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	20850	2510	21.32	22.60	1.343	0.07	0.701	0.941
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	21100	2535	21.31	22.60	1.346	-0.03	0.838	1.128
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	21350	2560	21.27	22.60	1.358	0.13	0.806	1.095
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	5	20850	2510	21.35	22.60	1.334	0.1	0.709	0.945
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	5	21100	2535	21.24	22.60	1.368	-0.07	0.795	1.087
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	5	21350	2560	21.13	22.60	1.403	-0.03	0.796	1.117
	LTE Band 7_Ant 0	20M	QPSK	100	0	Front	10mm	5	20850	2510	21.27	22.60	1.358	-0.12	0.786	1.068
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	20850	2510	21.32	22.60	1.343	-0.15	0.784	1.053
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	21100	2535	21.31	22.60	1.346	0.19	0.840	1.131
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	21350	2560	21.27	22.60	1.358	0.19	0.855	1.161
76	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	20850	2510	21.35	22.60	1.334	0.12	0.879	1.172
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	21100	2535	21.24	22.60	1.368	0.13	0.840	1.149
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	21350	2560	21.13	22.60	1.403	-0.01	0.779	1.093
	LTE Band 7_Ant 0	20M	QPSK	100	0	Back	10mm	5	20850	2510	21.27	22.60	1.358	-0.17	0.854	1.160
	LTE Band 7C_Ant 0	20M	QPSK	1	99	Back	10mm	5	20850	2510	20.66	22.60	1.563	0.04	0.684	1.069
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	20850	2510	21.32	21.40	1.019	0.07	0.701	0.714
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	21100	2535	21.31	21.40	1.021	-0.03	0.838	0.856
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	21350	2560	21.27	21.40	1.030	0.13	0.806	0.830
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	6	20850	2510	21.35	21.40	1.012	0.1	0.709	0.717
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	6	21100	2535	21.24	21.40	1.038	-0.07	0.795	0.825
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	6	21350	2560	21.13	21.40	1.064	-0.03	0.796	0.847
	LTE Band 7_Ant 0	20M	QPSK	100	0	Front	10mm	6	20850	2510	21.27	21.40	1.030	-0.12	0.786	0.810
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	20850	2510	21.32	21.40	1.019	-0.15	0.784	0.799
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	21100	2535	21.31	21.40	1.021	0.19	0.840	0.858
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	21350	2560	21.27	21.40	1.030	0.19	0.855	0.881
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	6	20850	2510	21.35	21.40	1.012	0.12	0.879	0.889
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	6	21100	2535	21.24	21.40	1.038	0.13	0.840	0.872
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	6	21350	2560	21.13	21.40	1.064	-0.01	0.779	0.829
	LTE Band 7_Ant 0	20M	QPSK	100	0	Back	10mm	6	20850	2510	21.27	21.40	1.030	-0.17	0.854	0.880
	LTE Band 7C_Ant 0	20M	QPSK	1	99	Back	10mm	6	20850	2510	20.66	21.40	1.186	0.04	0.684	0.811
77	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	24.87	25.50	1.156	0.09	0.341	0.394
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.84	24.50	1.164	0	0.270	0.314
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.87	25.50	1.156	-0.18	0.196	0.227
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.84	24.50	1.164	-0.18	0.158	0.184
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	24.96	25.50	1.132	-0.19	0.159	0.180
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.98	24.50	1.127	-0.02	0.125	0.141
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.96	25.50	1.132	-0.1	0.212	0.240
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.98	24.50	1.127	-0.06	0.175	0.197



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.73	25.50	1.194	-0.14	0.456	0.544
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.80	24.50	1.175	-0.1	0.368	0.432
78	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.73	25.50	1.194	-0.17	0.513	0.613
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.80	24.50	1.175	-0.12	0.415	0.488
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.77	25.50	1.183	-0.1	0.278	0.329
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.89	24.50	1.151	-0.02	0.220	0.253
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.77	25.50	1.183	-0.15	0.379	0.448
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.89	24.50	1.151	0.09	0.318	0.366
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23330	793	24.77	25.50	1.183	-0.02	0.525	0.621
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23330	793	23.84	24.50	1.164	0.02	0.420	0.489
79	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23330	793	24.77	25.50	1.183	0.07	0.542	0.641
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23330	793	23.84	24.50	1.164	0.03	0.442	0.515
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23330	793	24.91	25.50	1.146	-0.19	0.246	0.282
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23330	793	23.97	24.50	1.130	0.08	0.193	0.218
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23330	793	24.91	25.50	1.146	-0.03	0.333	0.381
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23330	793	23.97	24.50	1.130	0.03	0.262	0.296
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	5	26340	1880	23.44	24.70	1.337	-0.07	0.720	0.962
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	5	26140	1860	23.41	24.70	1.346	-0.03	0.681	0.917
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	5	26590	1905	23.39	24.70	1.352	-0.15	0.665	0.899
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	5	26340	1880	23.46	24.50	1.271	-0.08	0.712	0.905
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	5	26140	1860	23.45	24.50	1.274	0.02	0.661	0.842
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	5	26590	1905	23.30	24.50	1.318	-0.08	0.622	0.820
	LTE Band 25_Ant 2	20M	QPSK	100	0	Front	10mm	5	26340	1880	23.41	24.50	1.285	-0.01	0.651	0.837
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26340	1880	23.44	24.70	1.337	-0.11	0.850	1.136
80	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26140	1860	23.41	24.70	1.346	-0.08	0.859	1.156
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26590	1905	23.39	24.70	1.352	-0.13	0.788	1.065
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	5	26340	1880	23.46	24.50	1.271	-0.08	0.700	0.889
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	5	26140	1860	23.45	24.50	1.274	0.08	0.671	0.855
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	5	26590	1905	23.30	24.50	1.318	-0.13	0.639	0.842
	LTE Band 25_Ant 2	20M	QPSK	100	0	Back	10mm	5	26340	1880	23.41	24.50	1.285	-0.01	0.710	0.913
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	6	26340	1880	23.44	23.50	1.014	-0.07	0.720	0.730
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	6	26340	1880	23.46	23.50	1.009	-0.08	0.712	0.719
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26340	1880	23.44	23.50	1.014	-0.11	0.850	0.862
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26140	1860	23.41	23.50	1.021	-0.08	0.859	0.877
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26590	1905	23.39	23.50	1.026	-0.13	0.788	0.808
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	6	26340	1880	23.46	23.50	1.009	-0.08	0.700	0.706
	LTE Band 25_Ant 2	20M	QPSK	100	0	Back	10mm	6	26340	1880	23.41	23.50	1.021	-0.01	0.710	0.725
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	5	26140	1860	20.90	22.20	1.349	-0.14	0.550	0.742
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	5	26140	1860	20.72	22.20	1.406	-0.11	0.565	0.794
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	5	26340	1880	20.68	22.20	1.419	-0.06	0.539	0.765
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	5	26590	1905	20.59	22.20	1.449	-0.16	0.478	0.693
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26140	1860	20.90	22.20	1.349	-0.05	0.496	0.669
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26140	1860	20.72	22.20	1.406	0.18	0.543	0.763
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	6	26140	1860	20.90	21.00	1.023	-0.14	0.550	0.563
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	6	26140	1860	20.72	21.00	1.067	-0.11	0.565	0.603
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	6	26340	1880	20.68	21.00	1.076	-0.06	0.539	0.580
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	6	26590	1905	20.59	21.00	1.099	-0.16	0.478	0.525
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	6	26140	1860	20.90	21.00	1.023	-0.05	0.496	0.508
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	6	26140	1860	20.72	21.00	1.067	0.18	0.543	0.579



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	24.76	25.50	1.186	-0.06	0.654	0.775
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	23.62	24.50	1.225	-0.16	0.528	0.647
81	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	24.76	25.50	1.186	-0.05	0.712	0.844
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	23.62	24.50	1.225	0.16	0.547	0.670
	LTE Band 26_Ant 0	15M	QPSK	75	0	Back	10mm	5/6	26865	831.5	23.57	24.50	1.239	-0.01	0.534	0.662
	LTE Band 5B_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	20600	844	23.52	24.50	1.253	0.07	0.532	0.667
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	24.54	25.50	1.247	-0.07	0.298	0.372
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	23.69	24.50	1.205	-0.01	0.240	0.289
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	24.54	25.50	1.247	-0.09	0.433	0.540
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	23.69	24.50	1.205	0	0.356	0.429
	LTE Band 5B_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	20575	841.5	23.55	24.50	1.245	0.14	0.351	0.437
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	5	27710	2310	20.78	22.10	1.355	-0.05	0.512	0.694
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	5	27710	2310	20.73	22.10	1.371	0.05	0.494	0.677
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	5	27710	2310	20.78	22.10	1.355	-0.19	0.477	0.646
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	5	27710	2310	20.73	22.10	1.371	0.08	0.451	0.618
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	6	27710	2310	20.78	20.90	1.028	-0.05	0.512	0.526
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	6	27710	2310	20.73	20.90	1.040	0.05	0.494	0.514
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	6	27710	2310	20.78	20.90	1.028	-0.19	0.477	0.490
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	6	27710	2310	20.73	20.90	1.040	0.08	0.451	0.469
82	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	5	27710	2310	21.36	22.90	1.426	-0.05	0.753	1.073
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	5	27710	2310	21.35	22.90	1.429	-0.05	0.737	1.053
	LTE Band 30_Ant 0	10M	QPSK	50	0	Front	10mm	5	27710	2310	21.29	22.90	1.449	-0.05	0.732	1.061
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	5	27710	2310	21.36	22.90	1.426	-0.17	0.682	0.972
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	5	27710	2310	21.35	22.90	1.429	0.04	0.656	0.937
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	6	27710	2310	21.36	21.70	1.081	-0.05	0.753	0.814
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	6	27710	2310	21.35	21.70	1.084	-0.05	0.737	0.799
	LTE Band 30_Ant 0	10M	QPSK	50	0	Front	10mm	6	27710	2310	21.29	21.70	1.099	-0.05	0.732	0.804
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	6	27710	2310	21.36	21.70	1.081	-0.17	0.682	0.738
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	6	27710	2310	21.35	21.70	1.084	0.04	0.656	0.711
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	5	132322	1745	23.49	24.90	1.384	0.07	0.446	0.617
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	5	132322	1745	23.52	24.50	1.253	-0.16	0.438	0.549
83	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322	1745	23.49	24.90	1.384	0.1	0.653	0.903
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132072	1720	23.47	24.90	1.390	0.01	0.610	0.848
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132572	1770	23.47	24.90	1.390	-0.03	0.625	0.869
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132322	1745	23.52	24.50	1.253	0.14	0.585	0.733
	LTE Band 66_Ant 2	20M	QPSK	100	0	Back	10mm	5	132322	1745	23.40	24.50	1.288	0.03	0.544	0.701
	LTE Band 66B_Ant 2	15M	QPSK	1	74	Back	10mm	5	132047	1717.5	23.07	24.50	1.390	0.11	0.575	0.799
	LTE Band 66C_Ant 2	20M	QPSK	1	99	Back	10mm	5	132072	1720	22.94	24.50	1.432	0.08	0.563	0.806
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	6	132322	1745	23.49	23.70	1.050	0.07	0.446	0.468
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	6	132322	1745	23.52	23.70	1.042	-0.16	0.438	0.457
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322	1745	23.49	23.70	1.050	0.1	0.653	0.685
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132072	1720	23.47	23.70	1.054	0.01	0.610	0.643
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132572	1770	23.47	23.70	1.054	-0.03	0.625	0.659
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	6	132322	1745	23.52	23.70	1.042	0.14	0.585	0.610
	LTE Band 66B_Ant 2	15M	QPSK	1	74	Back	10mm	6	132047	1717.5	23.07	23.70	1.156	0.11	0.575	0.665
	LTE Band 66C_Ant 2	20M	QPSK	1	99	Back	10mm	6	132072	1720	22.94	23.70	1.191	0.08	0.563	0.671



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132072	1720	19.47	21.20	1.489	0.01	0.385	0.573
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132072	1720	19.50	21.20	1.479	-0.15	0.451	0.667
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132322	1745	19.42	21.20	1.507	-0.03	0.387	0.583
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132572	1770	19.32	21.20	1.542	0.09	0.412	0.635
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132072	1720	19.47	21.20	1.489	-0.12	0.337	0.502
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132072	1720	19.50	21.20	1.479	0.11	0.311	0.460
	LTE Band 66B_Ant 0	15M	QPSK	1	74	Front	10mm	5	132047	1717.5	19.39	21.20	1.517	0.05	0.353	0.536
	LTE Band 66C_Ant 0	20M	QPSK	1	99	Front	10mm	5	132072	1720	19.33	21.20	1.538	0.17	0.347	0.534
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132072	1720	19.47	20.00	1.130	0.01	0.385	0.435
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132072	1720	19.50	20.00	1.122	-0.15	0.451	0.506
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132322	1745	19.42	20.00	1.143	-0.03	0.387	0.442
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132572	1770	19.32	20.00	1.169	0.09	0.412	0.482
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132072	1720	19.47	20.00	1.130	-0.12	0.337	0.381
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132072	1720	19.50	20.00	1.122	0.11	0.311	0.349
	LTE Band 66B_Ant 0	15M	QPSK	1	74	Front	10mm	6	132047	1717.5	19.39	20.00	1.151	0.05	0.353	0.406
	LTE Band 66C_Ant 0	20M	QPSK	1	99	Front	10mm	6	132072	1720	19.33	20.00	1.167	0.17	0.347	0.405
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132322	1745	23.23	24.50	1.340	-0.06	0.378	0.506
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132072	1720	23.07	24.50	1.390	0.01	0.363	0.505
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132572	1770	23.11	24.50	1.377	0.04	0.360	0.496
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	5	132322	1745	23.12	24.50	1.374	0.08	0.348	0.478
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132322	1745	23.23	24.50	1.340	-0.01	0.355	0.476
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132322	1745	23.12	24.50	1.374	0.08	0.320	0.440
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132322	1745	23.23	23.30	1.016	-0.06	0.378	0.384
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132072	1720	23.07	23.30	1.054	0.01	0.363	0.383
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132572	1770	23.11	23.30	1.045	0.04	0.360	0.376
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	6	132322	1745	23.12	23.30	1.042	0.08	0.348	0.363
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	6	132322	1745	23.23	23.30	1.016	-0.01	0.355	0.361
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132322	1745	23.12	23.30	1.042	0.08	0.320	0.334
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	5/6	132072	1720	25.08	25.30	1.052	0.11	0.216	0.227
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	5/6	132072	1720	24.02	24.30	1.067	0.16	0.164	0.175
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132072	1720	25.08	25.30	1.052	0.14	0.422	0.444
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132322	1745	25.02	25.30	1.067	0.03	0.376	0.401
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132572	1770	24.78	25.30	1.127	-0.08	0.312	0.352
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5/6	132072	1720	24.02	24.30	1.067	0.17	0.273	0.291
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.96	25.50	1.132	-0.02	0.260	0.294
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.82	24.50	1.169	-0.09	0.200	0.234
84	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.96	25.50	1.132	-0.1	0.290	0.328
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.82	24.50	1.169	-0.09	0.222	0.260
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.98	25.50	1.127	-0.14	0.151	0.170
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.98	24.50	1.127	-0.04	0.121	0.136
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.98	25.50	1.127	-0.12	0.170	0.192
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.98	24.50	1.127	0.14	0.134	0.151



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	23.87	25.10	1.327	62.9	1.006	-0.12	0.280	0.374
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	39750	2506	23.70	25.10	1.380	62.9	1.006	0.08	0.419	0.582
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	40620	2593	23.86	25.10	1.330	62.9	1.006	-0.16	0.391	0.523
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	41055	2636.5	23.85	25.10	1.334	62.9	1.006	0.17	0.447	0.600
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	41490	2680	23.78	25.10	1.355	62.9	1.006	-0.04	0.524	0.714
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	5	40185	2549.5	21.71	23.10	1.377	62.9	1.006	-0.17	0.278	0.385
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	23.87	25.10	1.327	62.9	1.006	0.11	0.440	0.588
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	5	40185	2549.5	21.71	23.10	1.377	62.9	1.006	-0.13	0.273	0.378
	LTE Band 41_Ant 2_HPUE	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	25.24	26.70	1.400	42.9	1.009	-0.11	0.543	0.767
	LTE Band 41C_Ant 2	20M	QPSK	1	0	Front	10mm	5	41490	2680	23.40	25.10	1.479	62.9	1.006	0.08	0.417	0.620
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	40185	2549.5	23.87	23.90	1.007	62.9	1.006	-0.12	0.280	0.284
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	39750	2506	23.70	23.90	1.047	62.9	1.006	0.08	0.419	0.441
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	40620	2593	23.86	23.90	1.009	62.9	1.006	-0.16	0.391	0.397
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	41055	2636.5	23.85	23.90	1.012	62.9	1.006	0.17	0.447	0.455
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	41490	2680	23.78	23.90	1.028	62.9	1.006	-0.04	0.524	0.542
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	6	40185	2549.5	21.71	21.90	1.045	62.9	1.006	-0.17	0.278	0.292
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	23.87	23.90	1.007	62.9	1.006	0.11	0.440	0.446
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	6	40185	2549.5	21.71	21.90	1.045	62.9	1.006	-0.13	0.273	0.287
	LTE Band 41_Ant 2_HPUE	20M	QPSK	1	0	Front	10mm	6	40185	2549.5	25.24	25.50	1.062	42.9	1.009	-0.11	0.543	0.582
	LTE Band 41C_Ant 2	20M	QPSK	1	0	Front	10mm	6	41490	2680	23.40	23.90	1.122	62.9	1.006	0.08	0.417	0.471
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41490	2680	22.91	24.30	1.377	62.9	1.006	0.01	0.374	0.518
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	39750	2506	22.82	24.30	1.406	62.9	1.006	-0.07	0.365	0.516
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	22.85	24.30	1.396	62.9	1.006	-0.12	0.435	0.611
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40620	2593	22.84	24.30	1.400	62.9	1.006	-0.04	0.639	0.900
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41055	2636.5	22.77	24.30	1.422	62.9	1.006	-0.06	0.382	0.547
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	41490	2680	20.93	22.30	1.371	62.9	1.006	0.16	0.307	0.423
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	22.91	24.30	1.377	62.9	1.006	-0.12	0.402	0.557
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	41490	2680	20.93	22.30	1.371	62.9	1.006	0.07	0.266	0.367
85	LTE Band 41_Ant 0_HPUE	20M	QPSK	1	0	Front	10mm	5	40620	2593	24.28	25.90	1.452	42.9	1.009	0.02	0.661	0.968
	LTE Band 41C_Ant 0	20M	QPSK	1	0	Front	10mm	5	40620	2593	22.81	24.00	1.315	62.9	1.006	0.05	0.303	0.401
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	41490	2680	22.91	23.10	1.045	62.9	1.006	0.01	0.374	0.393
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	39750	2506	22.82	23.10	1.067	62.9	1.006	-0.07	0.365	0.392
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	40185	2549.5	22.85	23.10	1.059	62.9	1.006	-0.12	0.435	0.464
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	40620	2593	22.84	23.10	1.062	62.9	1.006	-0.04	0.570	0.609
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	41055	2636.5	22.77	23.10	1.079	62.9	1.006	-0.06	0.382	0.415
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	41490	2680	20.93	21.10	1.040	62.9	1.006	0.16	0.307	0.321
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	22.91	23.10	1.045	62.9	1.006	-0.12	0.402	0.422
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	41490	2680	20.93	21.10	1.040	62.9	1.006	0.07	0.266	0.278
	LTE Band 41_Ant 0_HPUE	20M	QPSK	1	0	Front	10mm	6	40620	2593	24.28	24.70	1.102	42.9	1.009	0.02	0.661	0.735
	LTE Band 41C_Ant 0	20M	QPSK	1	0	Front	10mm	6	40620	2593	22.81	23.10	1.069	62.9	1.006	0.05	0.303	0.326
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5/6	55830	3609	24.59	24.70	1.026	62.9	1.006	-0.1	0.194	0.200
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	5/6	56150	3641	23.79	24.50	1.178	62.9	1.006	-0.15	0.144	0.171
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5/6	55830	3609	24.59	24.70	1.026	62.9	1.006	-0.18	0.376	0.388
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5/6	55340	3560	24.30	24.70	1.096	62.9	1.006	-0.03	0.322	0.355
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5/6	56150	3641	24.58	24.70	1.028	62.9	1.006	0.04	0.309	0.320
86	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5/6	56640	3690	24.42	24.70	1.067	62.9	1.006	-0.08	0.371	0.398
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	5/6	56150	3641	23.79	24.50	1.178	62.9	1.006	0.01	0.291	0.345
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5/6	56640	3690	23.46	24.20	1.186	62.9	1.006	-0.01	0.163	0.194
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	5/6	56640	3690	22.55	23.20	1.161	62.9	1.006	-0.06	0.135	0.158
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5/6	56640	3690	23.46	24.20	1.186	62.9	1.006	0.05	0.310	0.370
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5/6	55340	3560	22.96	24.20	1.330	62.9	1.006	0.01	0.271	0.363
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5/6	55830	3609	23.17	24.20	1.268	62.9	1.006	0.15	0.299	0.381
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5/6	56150	3641	23.36	24.20	1.213	62.9	1.006	-0.16	0.291	0.355
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	5/6	56640	3690	22.55	23.20	1.161	62.9	1.006	-0.06	0.251	0.293



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	5	376000	1880	24.96	25.50	1.132	0.05	0.865	0.980
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	5	372000	1860	24.19	25.50	1.352	-0.18	0.701	0.948
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	5	380000	1900	24.37	25.50	1.297	-0.14	0.722	0.937
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	376000	1880	24.79	25.50	1.178	-0.1	0.832	0.980
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	372000	1860	24.02	25.50	1.406	0.17	0.671	0.943
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	380000	1900	24.20	25.50	1.349	-0.03	0.688	0.928
	FR1 n2_Ant 1	20M	BPSK	100	0	Front	10mm	5	376000	1880	24.73	25.00	1.064	-0.13	0.782	0.832
87	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	376000	1880	24.96	25.50	1.132	-0.04	0.883	1.000
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	372000	1860	24.19	25.50	1.352	-0.17	0.714	0.965
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	380000	1900	24.37	25.50	1.297	0.04	0.735	0.953
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	376000	1880	24.79	25.50	1.178	0.03	0.848	0.999
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	372000	1860	24.02	25.50	1.406	0	0.688	0.967
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	380000	1900	24.20	25.50	1.349	0.17	0.702	0.947
	FR1 n2_Ant 1	20M	BPSK	100	0	Back	10mm	5	376000	1880	24.73	25.00	1.064	-0.05	0.802	0.853
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	376000	1880	24.96	25.00	1.009	0.05	0.865	0.873
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	372000	1860	24.19	25.00	1.205	-0.18	0.701	0.845
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	380000	1900	24.37	25.00	1.156	-0.14	0.722	0.835
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	6	376000	1880	24.79	25.00	1.050	-0.1	0.832	0.873
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	6	372000	1860	24.02	25.00	1.253	0.17	0.671	0.841
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	6	380000	1900	24.20	25.00	1.202	-0.03	0.688	0.827
	FR1 n2_Ant 1	20M	BPSK	100	0	Front	10mm	6	376000	1880	24.73	25.00	1.064	-0.13	0.782	0.832
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	376000	1880	24.96	25.00	1.009	-0.04	0.883	0.891
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	372000	1860	24.19	25.00	1.205	-0.17	0.714	0.860
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	380000	1900	24.37	25.00	1.156	0.04	0.735	0.850
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	6	376000	1880	24.79	25.00	1.050	0.03	0.848	0.890
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	6	372000	1860	24.02	25.00	1.253	0	0.688	0.862
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	6	380000	1900	24.20	25.00	1.202	0.17	0.702	0.844
	FR1 n2_Ant 1	20M	BPSK	100	0	Back	10mm	6	376000	1880	24.73	25.00	1.064	-0.05	0.802	0.853
	FR1 n2_Ant 5	20M	BPSK	1	1	Front	10mm	5/6	376000	1880	24.44	25.30	1.219	-0.17	0.325	0.396
	FR1 n2_Ant 5	20M	BPSK	50	28	Front	10mm	5/6	376000	1880	24.03	25.30	1.340	0.08	0.304	0.407
	FR1 n2_Ant 5	20M	BPSK	1	1	Back	10mm	5/6	376000	1880	24.44	25.30	1.219	0.18	0.616	0.751
	FR1 n2_Ant 5	20M	BPSK	50	28	Back	10mm	5/6	376000	1880	24.03	25.30	1.340	0.13	0.600	0.804
	FR1 n2_Ant 5	20M	BPSK	100	0	Back	10mm	5/6	376000	1880	24.22	24.80	1.143	-0.08	0.602	0.688
	FR1 n5_Ant 0	20M	BPSK	1	53	Front	10mm	5/6	167300	836.5	24.67	25.50	1.211	-0.14	0.672	0.814
	FR1 n5_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	167300	836.5	24.48	25.50	1.265	0.12	0.646	0.817
	FR1 n5_Ant 0	20M	BPSK	100	0	Front	10mm	5/6	167300	836.5	23.95	25.00	1.274	0.05	0.582	0.741
88	FR1 n5_Ant 0	20M	BPSK	1	53	Back	10mm	5/6	167300	836.5	24.67	25.50	1.211	-0.08	0.730	0.884
	FR1 n5_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	167300	836.5	24.48	25.50	1.265	-0.01	0.679	0.859
	FR1 n5_Ant 0	20M	BPSK	100	0	Back	10mm	5/6	167300	836.5	23.95	25.00	1.274	0.1	0.618	0.787
	FR1 n5_Ant 1	20M	BPSK	1	53	Front	10mm	5/6	167300	836.5	24.68	25.50	1.208	-0.05	0.233	0.281
	FR1 n5_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	167300	836.5	24.56	25.50	1.242	0.07	0.214	0.266
	FR1 n5_Ant 1	20M	BPSK	1	53	Back	10mm	5/6	167300	836.5	24.68	25.50	1.208	-0.09	0.343	0.414
	FR1 n5_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	167300	836.5	24.56	25.50	1.242	0.04	0.307	0.381



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	5	507000	2535	20.75	22.20	1.396	0.07	0.292	0.408
	FR1 n7_Ant 2	50M	BPSK	135	0	Front	10mm	5	507000	2535	20.59	22.20	1.449	0.13	0.273	0.396
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	5	507000	2535	20.75	22.20	1.396	0.05	0.403	0.563
	FR1 n7_Ant 2	50M	BPSK	135	0	Back	10mm	5	507000	2535	20.59	22.20	1.449	0.06	0.355	0.514
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	6	507000	2535	20.75	21.00	1.059	0.07	0.292	0.309
	FR1 n7_Ant 2	50M	BPSK	135	0	Front	10mm	6	507000	2535	20.59	21.00	1.099	0.13	0.273	0.300
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	6	507000	2535	20.75	21.00	1.059	0.05	0.403	0.427
	FR1 n7_Ant 2	50M	BPSK	135	0	Back	10mm	6	507000	2535	20.59	21.00	1.099	0.06	0.355	0.390
89	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	5	507000	2535	20.71	22.00	1.346	0.01	0.742	0.999
	FR1 n7_Ant 0	50M	BPSK	135	0	Front	10mm	5	507000	2535	20.60	22.00	1.380	0.09	0.689	0.951
	FR1 n7_Ant 0	50M	BPSK	270	0	Front	10mm	5	507000	2535	20.49	22.00	1.416	0.05	0.671	0.950
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	5	507000	2535	20.71	22.00	1.346	-0.03	0.631	0.849
	FR1 n7_Ant 0	50M	BPSK	135	0	Back	10mm	5	507000	2535	20.60	22.00	1.380	0.12	0.605	0.835
	FR1 n7_Ant 0	50M	BPSK	270	0	Back	10mm	5	507000	2535	20.49	22.00	1.416	0.09	0.549	0.777
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	6	507000	2535	20.71	20.80	1.021	0.01	0.742	0.758
	FR1 n7_Ant 0	50M	BPSK	135	0	Front	10mm	6	507000	2535	20.60	20.80	1.047	0.09	0.689	0.721
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	6	507000	2535	20.71	20.80	1.021	-0.03	0.631	0.644
	FR1 n7_Ant 0	50M	BPSK	135	0	Back	10mm	6	507000	2535	20.60	20.80	1.047	0.12	0.605	0.634
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.57	25.50	1.239	-0.03	0.331	0.410
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.51	25.50	1.256	-0.12	0.257	0.323
90	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.57	25.50	1.239	0	0.356	0.441
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.51	25.50	1.256	0.11	0.262	0.329
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.68	25.50	1.208	0	0.164	0.198
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.55	25.50	1.245	0.03	0.145	0.180
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.68	25.50	1.208	-0.05	0.196	0.237
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.55	25.50	1.245	-0.07	0.152	0.189
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	10mm	5/6	158600	793	25.10	25.50	1.096	0.14	0.413	0.453
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	5/6	158600	793	24.95	25.50	1.135	0.05	0.389	0.442
91	FR1 n14_Ant 0	10M	BPSK	1	1	Back	10mm	5/6	158600	793	25.10	25.50	1.096	-0.18	0.479	0.525
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	5/6	158600	793	24.95	25.50	1.135	0.09	0.456	0.518
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	5/6	158600	793	25.17	25.50	1.079	0.03	0.175	0.189
	FR1 n14_Ant 1	10M	BPSK	25	14	Front	10mm	5/6	158600	793	25.04	25.50	1.112	0.02	0.158	0.176
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	5/6	158600	793	25.17	25.50	1.079	-0.12	0.240	0.259
	FR1 n14_Ant 1	10M	BPSK	25	14	Back	10mm	5/6	158600	793	25.04	25.50	1.112	0.07	0.226	0.251



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	22.01	23.30	1.346	0.15	0.522	0.703
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	21.96	23.30	1.361	-0.1	0.465	0.633
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	22.01	23.30	1.346	-0.11	0.742	0.999
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	21.96	23.30	1.361	-0.14	0.655	0.892
	FR1 n25_Ant 2	40M	BPSK	216	0	Back	10mm	5	376500	1882.5	21.95	23.30	1.365	0.04	0.631	0.861
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	22.01	22.10	1.021	0.15	0.522	0.533
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	21.96	22.10	1.033	-0.1	0.465	0.480
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	22.01	22.10	1.021	-0.11	0.742	0.758
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	21.96	22.10	1.033	-0.14	0.655	0.676
92	FR1 n25_Ant 0	40M	BPSK	1	108	Front	10mm	5	376500	1882.5	20.74	22.00	1.337	-0.07	0.764	1.021
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	20.66	22.00	1.361	0.05	0.702	0.956
	FR1 n25_Ant 0	40M	BPSK	216	0	Front	10mm	5	376500	1882.5	20.59	22.00	1.384	0.01	0.676	0.935
	FR1 n25_Ant 0	40M	BPSK	1	108	Back	10mm	5	376500	1882.5	20.74	22.00	1.337	-0.03	0.715	0.956
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	20.66	22.00	1.361	0.03	0.684	0.931
	FR1 n25_Ant 0	40M	BPSK	216	0	Back	10mm	5	376500	1882.5	20.59	22.00	1.384	0.09	0.652	0.902
	FR1 n25_Ant 0	40M	BPSK	1	108	Front	10mm	6	376500	1882.5	20.74	20.80	1.014	-0.07	0.764	0.775
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	20.66	20.80	1.033	0.05	0.702	0.725
	FR1 n25_Ant 0	40M	BPSK	1	108	Back	10mm	6	376500	1882.5	20.74	20.80	1.014	-0.03	0.715	0.725
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	20.66	20.80	1.033	0.03	0.684	0.706
	FR1 n30_Ant 2	10M	BPSK	1	26	Front	10mm	5	462000	2310	20.35	22.00	1.462	-0.14	0.575	0.841
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	5	462000	2310	20.32	22.00	1.472	0.02	0.581	0.855
	FR1 n30_Ant 2	10M	BPSK	1	26	Back	10mm	5	462000	2310	20.35	22.00	1.462	-0.03	0.583	0.852
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	5	462000	2310	20.32	22.00	1.472	-0.07	0.597	0.879
	FR1 n30_Ant 2	10M	BPSK	1	26	Front	10mm	6	462000	2310	20.35	20.80	1.109	-0.14	0.575	0.638
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	6	462000	2310	20.32	20.80	1.117	0.02	0.581	0.649
	FR1 n30_Ant 2	10M	BPSK	1	26	Back	10mm	6	462000	2310	20.35	20.80	1.109	-0.03	0.583	0.647
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	6	462000	2310	20.32	20.80	1.117	-0.07	0.597	0.667
	FR1 n30_Ant 0	10M	BPSK	1	26	Front	10mm	5	462000	2310	22.11	23.10	1.256	0.07	0.758	0.952
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	5	462000	2310	22.10	23.10	1.259	0.03	0.733	0.923
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	5	462000	2310	22.10	23.10	1.259	0.01	0.715	0.900
	FR1 n30_Ant 0	10M	BPSK	1	26	Back	10mm	5	462000	2310	22.11	23.10	1.256	0.11	0.823	1.034
93	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	5	462000	2310	22.10	23.10	1.259	-0.09	0.848	1.068
	FR1 n30_Ant 0	10M	BPSK	50	0	Back	10mm	5	462000	2310	22.01	23.10	1.285	-0.19	0.811	1.042
	FR1 n30_Ant 0	10M	BPSK	1	26	Front	10mm	6	462000	2310	22.11	22.20	1.021	0.07	0.758	0.774
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	6	462000	2310	22.10	22.20	1.023	0.03	0.733	0.750
	FR1 n30_Ant 0	10M	BPSK	1	26	Back	10mm	6	462000	2310	22.11	22.20	1.021	0.11	0.823	0.840
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	6	462000	2310	22.10	22.20	1.023	-0.09	0.848	0.868
	FR1 n30_Ant 0	10M	BPSK	50	0	Back	10mm	6	462000	2310	22.01	22.20	1.045	-0.19	0.811	0.847



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	21.08	22.70	1.452	-0.16	0.462	0.671
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	5	518598	2592.99	20.75	22.70	1.567	0.08	0.412	0.646
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	21.08	22.70	1.452	-0.03	0.426	0.619
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	10mm	5	518598	2592.99	20.75	22.70	1.567	0.02	0.352	0.551
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.08	21.50	1.102	-0.16	0.462	0.509
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	6	518598	2592.99	20.75	21.50	1.189	0.08	0.412	0.490
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.08	21.50	1.102	-0.03	0.426	0.469
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	10mm	6	518598	2592.99	20.75	21.50	1.189	0.02	0.352	0.418
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.35	23.60	1.334	0.08	0.749	0.999
94	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	22.30	23.60	1.349	0.02	0.876	1.181
	FR1 n41_Ant 0	100M	BPSK	270	0	Front	10mm	5	518598	2592.99	22.31	23.50	1.315	0.05	0.631	0.830
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.35	23.60	1.334	0.01	0.678	0.904
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	22.30	23.60	1.349	-0.06	0.685	0.924
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.35	23.60	1.334	0.01	0.678	0.904
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.35	22.40	1.012	0.08	0.749	0.758
	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	22.30	22.40	1.023	0.02	0.876	0.896
	FR1 n41_Ant 0	100M	BPSK	270	0	Front	10mm	6	518598	2592.99	22.31	22.40	1.021	0.05	0.631	0.644
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	22.35	22.40	1.012	0.01	0.678	0.686
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	22.30	22.40	1.023	-0.06	0.685	0.701
	FR1 n41_Ant 1	100M	BPSK	1	137	Front	10mm	5/6	518598	2592.99	24.64	25.50	1.219	0.19	0.567	0.691
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	5/6	518598	2592.99	24.74	25.50	1.191	0.18	0.570	0.679
	FR1 n41_Ant 1	100M	BPSK	1	137	Back	10mm	5/6	518598	2592.99	24.64	25.50	1.219	0.02	0.454	0.553
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	5/6	518598	2592.99	24.74	25.50	1.191	-0.16	0.441	0.525
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	21.49	22.90	1.384	0.08	0.278	0.385
	FR1 n41_Ant 5	100M	BPSK	135	0	Front	10mm	5	518598	2592.99	21.18	22.90	1.486	-0.12	0.239	0.355
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	21.49	22.90	1.384	0.06	0.532	0.736
	FR1 n41_Ant 5	100M	BPSK	135	0	Back	10mm	5	518598	2592.99	21.18	22.90	1.486	-0.01	0.445	0.661
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.49	21.70	1.050	0.08	0.278	0.292
	FR1 n41_Ant 5	100M	BPSK	135	0	Front	10mm	6	518598	2592.99	21.18	21.70	1.127	-0.12	0.239	0.269
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.49	21.70	1.050	0.06	0.532	0.558
	FR1 n41_Ant 5	100M	BPSK	135	0	Back	10mm	6	518598	2592.99	21.18	21.70	1.127	-0.01	0.372	0.419



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	5/6	641666	3624.99	24.68	24.70	1.005	-0.01	0.379	0.381
	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	5/6	641666	3624.99	24.69	24.70	1.002	0.16	0.281	0.282
95	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	5/6	641666	3624.99	24.68	24.70	1.005	0.01	0.657	0.660
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	5/6	637000	3555	24.65	24.70	1.012	0.01	0.605	0.612
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	5/6	646332	3694.98	24.57	24.70	1.030	-0.05	0.609	0.628
	FR1 n48_Ant 6	10M	BPSK	12	6	Back	10mm	5/6	641666	3624.99	24.69	24.70	1.002	-0.03	0.477	0.478
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	5/6	641666	3624.99	24.67	24.70	1.007	0.04	0.611	0.615
	FR1 n48_Ant 7	10M	BPSK	1	1	Front	10mm	5	641666	3624.99	21.78	23.00	1.324	0.12	0.319	0.422
	FR1 n48_Ant 7	10M	BPSK	12	6	Front	10mm	5	641666	3624.99	21.74	23.00	1.337	0.16	0.302	0.404
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	5	641666	3624.99	21.78	23.00	1.324	0	0.363	0.481
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	5	637000	3555	21.76	23.00	1.330	0.14	0.342	0.455
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	5	646332	3694.98	21.75	23.00	1.334	0.11	0.338	0.451
	FR1 n48_Ant 7	10M	BPSK	12	6	Back	10mm	5	641666	3624.99	21.74	23.00	1.337	-0.16	0.341	0.456
	FR1 n48_Ant 7	40M	QPSK	50	25	Back	10mm	5	641666	3624.99	21.70	23.00	1.349	0.04	0.348	0.469
	FR1 n48_Ant 7	10M	BPSK	1	1	Front	10mm	6	641666	3624.99	21.78	21.80	1.005	0.12	0.319	0.320
	FR1 n48_Ant 7	10M	BPSK	12	6	Front	10mm	6	641666	3624.99	21.74	21.80	1.014	0.16	0.302	0.306
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	6	641666	3624.99	21.78	21.80	1.005	0	0.363	0.365
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	6	637000	3555	21.76	21.80	1.009	0.14	0.342	0.345
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	6	646332	3694.98	21.75	21.80	1.012	0.11	0.338	0.342
	FR1 n48_Ant 7	10M	BPSK	12	6	Back	10mm	6	641666	3624.99	21.74	21.80	1.014	-0.16	0.341	0.346
	FR1 n48_Ant 1	10M	QPSK	1	1	Front	10mm	5/6	641666	3624.99	19.90	21.10	1.318	0.11	0.136	0.179
	FR1 n48_Ant 1	10M	QPSK	12	6	Front	10mm	5/6	637168	3557.52	19.90	21.10	1.318	0.01	0.098	0.129
	FR1 n48_Ant 1	10M	QPSK	1	1	Back	10mm	5/6	641666	3624.99	19.90	21.10	1.318	0.19	0.115	0.151
	FR1 n48_Ant 1	10M	QPSK	12	6	Back	10mm	5/6	637168	3557.52	19.90	21.10	1.318	0.01	0.079	0.104
	FR1 n48_Ant 1	40M	QPSK	50	25	Back	10mm	5/6	637168	3557.52	19.80	21.10	1.349	-0.14	0.071	0.096
	FR1 n48_Ant 5	10M	QPSK	1	1	Front	10mm	5/6	646000	3690	20.15	20.40	1.059	-0.06	0.189	0.200
	FR1 n48_Ant 5	10M	QPSK	12	6	Front	10mm	5/6	646000	3690	20.16	20.40	1.057	-0.13	0.167	0.176
	FR1 n48_Ant 5	10M	QPSK	1	1	Back	10mm	5/6	646000	3690	20.15	20.40	1.059	0.04	0.256	0.271
	FR1 n48_Ant 5	10M	QPSK	12	6	Back	10mm	5/6	646000	3690	20.16	20.40	1.057	0.15	0.218	0.230
	FR1 n48_Ant 5	40M	QPSK	53	26	Back	10mm	5/6	646000	3690	20.01	20.40	1.094	0.01	0.226	0.247



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n66_Ant 2	40M	BPSK	1	108	Front	10mm	5	349000	1745	22.92	24.20	1.343	-0.06	0.488	0.655
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	5	349000	1745	22.82	24.20	1.374	0.06	0.455	0.625
96	FR1 n66_Ant 2	40M	BPSK	1	108	Back	10mm	5	349000	1745	22.92	24.20	1.343	0.03	0.871	1.170
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	5	349000	1745	22.82	24.20	1.374	0.07	0.744	1.022
	FR1 n66_Ant 2	40M	BPSK	216	0	Back	10mm	5	349000	1745	22.79	24.20	1.384	-0.12	0.721	0.998
	FR1 n66_Ant 2	40M	BPSK	1	108	Front	10mm	6	349000	1745	22.92	23.00	1.019	-0.06	0.488	0.497
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	6	349000	1745	22.82	23.00	1.042	0.06	0.455	0.474
	FR1 n66_Ant 2	40M	BPSK	1	108	Back	10mm	6	349000	1745	22.92	23.00	1.019	0.03	0.871	0.887
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	6	349000	1745	22.82	23.00	1.042	0.07	0.744	0.775
	FR1 n66_Ant 2	40M	BPSK	216	0	Back	10mm	6	349000	1745	22.79	23.00	1.050	-0.12	0.721	0.757
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	5	349000	1745	18.39	20.30	1.552	-0.05	0.304	0.472
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	5	349000	1745	18.35	20.30	1.567	0.02	0.293	0.459
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	5	349000	1745	18.39	20.30	1.552	-0.02	0.362	0.562
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	5	349000	1745	18.35	20.30	1.567	0.17	0.301	0.472
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	6	349000	1745	18.39	19.10	1.178	-0.05	0.304	0.358
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	6	349000	1745	18.35	19.10	1.189	0.02	0.293	0.348
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	6	349000	1745	18.39	19.10	1.178	-0.02	0.362	0.426
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	6	349000	1745	18.35	19.10	1.189	0.17	0.301	0.358
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	5	349000	1745	22.41	23.70	1.346	0.05	0.493	0.664
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	5	349000	1745	22.36	23.70	1.361	-0.09	0.496	0.675
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	5	349000	1745	22.41	23.70	1.346	-0.06	0.467	0.629
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	10mm	5	349000	1745	22.36	23.70	1.361	0.03	0.421	0.573
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	6	349000	1745	22.41	22.50	1.021	0.05	0.493	0.503
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	6	349000	1745	22.36	22.50	1.033	-0.09	0.496	0.512
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	6	349000	1745	22.41	22.50	1.021	-0.06	0.467	0.477
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	10mm	6	349000	1745	22.36	22.50	1.033	0.03	0.421	0.435
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	5	349000	1745	24.30	25.30	1.259	-0.18	0.214	0.269
	FR1 n66_Ant 5	40M	BPSK	108	0	Front	10mm	5	349000	1745	24.15	25.30	1.303	0.01	0.204	0.266
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	5	349000	1745	24.30	25.30	1.259	0.03	0.449	0.565
	FR1 n66_Ant 5	40M	BPSK	108	0	Back	10mm	5	349000	1745	24.15	25.30	1.303	0.06	0.432	0.563
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	6	349000	1745	24.30	24.80	1.122	-0.18	0.214	0.240
	FR1 n66_Ant 5	40M	BPSK	108	0	Front	10mm	6	349000	1745	24.26	24.80	1.132	-0.17	0.222	0.251
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	6	349000	1745	24.30	24.80	1.122	0.03	0.449	0.504
	FR1 n66_Ant 5	40M	BPSK	108	0	Back	10mm	6	349000	1745	24.26	24.80	1.132	0.12	0.441	0.499



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n71_Ant 0	20M	BPSK	1	53	Front	10mm	5/6	136100	680.5	24.62	25.50	1.225	-0.07	0.226	0.277
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.45	25.50	1.274	-0.1	0.215	0.274
97	FR1 n71_Ant 0	20M	BPSK	1	53	Back	10mm	5/6	136100	680.5	24.62	25.50	1.225	-0.02	0.254	0.311
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.45	25.50	1.274	-0.17	0.240	0.306
	FR1 n71_Ant 1	20M	BPSK	1	53	Front	10mm	5/6	136100	680.5	24.67	25.50	1.211	-0.06	0.190	0.230
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.52	25.50	1.253	0.07	0.177	0.222
	FR1 n71_Ant 1	20M	BPSK	1	53	Back	10mm	5/6	136100	680.5	24.67	25.50	1.211	-0.04	0.242	0.293
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.52	25.50	1.253	-0.05	0.219	0.274
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	22.13	23.50	1.371	-0.18	0.510	0.699
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	5	656000	3840	21.80	23.50	1.479	0	0.451	0.667
98	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	656000	3840	22.13	23.50	1.371	0.13	0.593	0.813
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	5	656000	3840	21.80	23.50	1.479	0.17	0.408	0.603
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	21.98	23.50	1.419	-0.09	0.258	0.366
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	5	633332	3499.98	21.81	23.50	1.476	-0.13	0.176	0.260
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	21.98	23.50	1.419	-0.05	0.453	0.643
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	5	633332	3499.98	21.81	23.50	1.476	-0.07	0.330	0.487
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	22.13	22.30	1.040	-0.18	0.510	0.530
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	6	656000	3840	21.80	22.30	1.122	0	0.451	0.506
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	656000	3840	22.13	22.30	1.040	0.13	0.593	0.617
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	6	656000	3840	21.80	22.30	1.122	0.17	0.408	0.458
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	21.98	22.30	1.076	-0.09	0.258	0.278
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	6	633332	3499.98	21.81	22.30	1.119	-0.13	0.176	0.197
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	21.98	22.30	1.076	-0.05	0.453	0.488
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	6	633332	3499.98	21.81	22.30	1.119	-0.07	0.330	0.369
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5/6	656000	3840	22.68	24.00	1.355	0.08	0.337	0.457
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5/6	656000	3840	22.10	24.00	1.549	-0.05	0.275	0.426
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5/6	656000	3840	22.68	24.00	1.355	0.02	0.501	0.679
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5/6	656000	3840	22.10	24.00	1.549	0.04	0.428	0.663
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5/6	633332	3499.98	23.10	24.00	1.230	-0.08	0.316	0.389
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5/6	633332	3499.98	22.35	24.00	1.462	0.03	0.259	0.379
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5/6	633332	3499.98	23.10	24.00	1.230	0.01	0.292	0.359
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5/6	633332	3499.98	22.35	24.00	1.462	-0.03	0.304	0.445



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	656000	3840	20.38	22.00	1.452	-0.06	0.058	0.084
	FR1 n77_Ant 1	100M	BPSK	135	0	Front	10mm	5	656000	3840	20.60	22.00	1.380	-0.09	0.076	0.105
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	20.38	22.00	1.452	0	0.151	0.219
	FR1 n77_Ant 1	100M	BPSK	135	0	Back	10mm	5	656000	3840	20.60	22.00	1.380	0.01	0.181	0.250
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	656000	3840	20.38	20.80	1.102	-0.06	0.058	0.064
	FR1 n77_Ant 1	100M	BPSK	135	0	Front	10mm	6	656000	3840	20.60	20.80	1.047	-0.09	0.076	0.080
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	20.38	20.80	1.102	0	0.151	0.166
	FR1 n77_Ant 1	100M	BPSK	135	0	Back	10mm	6	656000	3840	20.60	20.80	1.047	0.01	0.181	0.190
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	20.51	22.00	1.409	-0.16	0.138	0.194
	FR1 n77_Ant 1	100M	BPSK	135	0	Front	10mm	5	633332	3499.98	20.62	22.00	1.374	-0.06	0.140	0.192
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	20.51	22.00	1.409	-0.17	0.066	0.093
	FR1 n77_Ant 1	100M	BPSK	135	0	Back	10mm	5	633332	3499.98	20.62	22.00	1.374	-0.19	0.059	0.081
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	20.51	20.80	1.069	-0.16	0.138	0.148
	FR1 n77_Ant 1	100M	BPSK	135	0	Front	10mm	6	633332	3499.98	20.62	20.80	1.042	-0.06	0.140	0.146
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	20.51	20.80	1.069	-0.17	0.066	0.071
	FR1 n77_Ant 1	100M	BPSK	135	0	Back	10mm	6	633332	3499.98	20.62	20.80	1.042	-0.19	0.059	0.061
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5	656000	3840	19.75	21.50	1.496	0.17	0.143	0.214
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	5	656000	3840	20.09	21.50	1.384	-0.18	0.157	0.217
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5	656000	3840	19.75	21.50	1.496	-0.09	0.210	0.314
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	5	656000	3840	20.09	21.50	1.384	-0.1	0.217	0.300
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	6	656000	3840	19.75	20.30	1.135	0.17	0.143	0.162
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	6	656000	3840	20.09	20.30	1.050	-0.18	0.157	0.165
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	6	656000	3840	19.75	20.30	1.135	-0.09	0.210	0.238
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	6	656000	3840	20.09	20.30	1.050	-0.1	0.217	0.228
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	19.67	21.50	1.524	0.06	0.091	0.139
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	5	633332	3499.98	20.22	21.50	1.343	0.08	0.089	0.120
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	19.67	21.50	1.524	-0.01	0.154	0.235
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	5	633332	3499.98	20.22	21.50	1.343	0.09	0.147	0.197
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	19.67	20.30	1.156	0.06	0.091	0.105
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	6	633332	3499.98	20.22	20.30	1.019	0.08	0.089	0.091
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	19.67	20.30	1.156	-0.01	0.154	0.178
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	6	633332	3499.98	20.22	20.30	1.019	0.09	0.147	0.150



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	5/6	6	2437	22.85	23.00	1.035	98.9	1.011	0.04	0.372	0.389
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	6	2437	22.85	23.00	1.035	98.9	1.011	-0.08	0.578	0.605
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	5/6	11	2462	22.95	23.00	1.012	98.9	1.011	-0.16	0.508	0.520
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	11	2462	22.95	23.00	1.012	98.9	1.011	-0.04	0.702	0.718
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	1	2412	22.75	23.00	1.059	98.9	1.011	0.1	0.590	0.632
99	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	6	2437	22.75	23.00	1.059	98.9	1.011	-0.04	0.721	0.772
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	5/6	6	2437	22.75	23.00	1.059	93.4	1.071	-0.06	0.306	0.347
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	5/6	6	2437	22.05	23.00	1.245	93.4	1.071	-0.06	0.350	0.467
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	6	2437	22.75	23.00	1.059	93.4	1.071	-0.02	0.457	0.518
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	6	2437	22.05	23.00	1.245	93.4	1.071	-0.02	0.522	0.696
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	1	2412	21.65	23.00	1.365	93.4	1.071	-0.16	0.356	0.520
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	1	2412	21.35	23.00	1.462	93.4	1.071	-0.16	0.369	0.578
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	11	2462	18.85	19.50	1.161	93.4	1.071	0.1	0.215	0.267
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	11	2462	19.25	19.50	1.059	93.4	1.071	0.1	0.233	0.264
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	1	2412	20.55	21.50	1.245	98.9	1.011	0.13	0.244	0.307
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	7	1	2412	20.55	21.50	1.245	98.9	1.011	-0.07	0.421	0.530
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	7	11	2462	19.75	21.00	1.334	98.9	1.011	-0.08	0.274	0.369
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	11	2462	19.75	21.00	1.334	98.9	1.011	0.02	0.366	0.493
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	7	6	2437	19.25	21.00	1.496	93.4	1.071	-0.11	0.142	0.228
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	7	6	2437	19.00	21.00	1.585	93.4	1.071	-0.11	0.188	0.319
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	7	6	2437	19.25	21.00	1.496	93.4	1.071	0.16	0.222	0.356
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	7	6	2437	19.00	21.00	1.585	93.4	1.071	0.16	0.351	0.596
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	6	2437	14.20	15.00	1.202	98.9	1.011	-0.17	0.060	0.073
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	8	6	2437	14.20	15.00	1.202	98.9	1.011	-0.14	0.079	0.096
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	8	6	2437	14.00	15.00	1.259	98.9	1.011	-0.02	0.038	0.048
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	6	2437	14.00	15.00	1.259	98.9	1.011	0	0.097	0.123
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	8	11	2462	13.95	15.00	1.274	93.4	1.071	0.06	0.043	0.059
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	8	11	2462	14.45	15.00	1.135	93.4	1.071	0.06	0.072	0.088
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	8	11	2462	13.95	15.00	1.274	93.4	1.071	0.02	0.079	0.108
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	8	11	2462	14.45	15.00	1.135	93.4	1.071	0.02	0.129	0.157



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(4)	5	54	5270	19.30	21.00	1.479	86.84	1.152	0.13	0.160	0.273
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(8)	5	54	5270	19.25	21.00	1.496	86.84	1.152	0.13	0.024	0.041
100	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(4)	5	54	5270	19.30	21.00	1.479	86.84	1.152	-0.13	0.409	0.697
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(8)	5	54	5270	19.25	21.00	1.496	86.84	1.152	-0.13	0.621	1.070
	WLAN5GHz	802.11n-HT20 MCS0	Back	10mm	Ant 4+8(4)	5	60	5300	20.60	21.00	1.096	91.67	1.091	0.03	0.388	0.464
	WLAN5GHz	802.11n-HT20 MCS0	Back	10mm	Ant 4+8(8)	5	60	5300	20.75	21.00	1.059	91.67	1.091	0.03	0.632	0.730
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(4)	6	54	5270	19.30	19.50	1.047	86.84	1.152	0.13	0.160	0.193
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(8)	6	54	5270	19.25	19.50	1.059	86.84	1.152	0.13	0.024	0.029
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(4)	6	54	5270	19.30	19.50	1.047	86.84	1.152	-0.13	0.409	0.493
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(8)	6	54	5270	19.25	19.50	1.059	86.84	1.152	-0.13	0.621	0.758
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(4)	7	54	5270	16.40	18.00	1.445	86.84	1.152	0.18	0.082	0.137
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(8)	7	54	5270	16.35	18.00	1.462	86.84	1.152	0.18	0.008	0.013
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(4)	7	54	5270	16.40	18.00	1.445	86.84	1.152	-0.16	0.138	0.230
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(8)	7	54	5270	16.35	18.00	1.462	86.84	1.152	-0.16	0.301	0.507
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+8(4)	8/9	50	5250	16.40	16.50	1.023	88.1	1.135	0.18	0.083	0.096
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+8(8)	8/9	50	5250	16.05	16.50	1.109	88.1	1.135	0.18	0.008	0.010
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+8(4)	8/9	50	5250	16.40	16.50	1.023	88.1	1.135	-0.16	0.137	0.159
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+8(8)	8/9	50	5250	16.05	16.50	1.109	88.1	1.135	0.06	0.299	0.376

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(4)	5/6	110	5550	20.50	21.00	1.122	86.84	1.152	-0.03	0.206	0.266
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(8)	5/6	110	5550	20.75	21.00	1.059	86.84	1.152	-0.03	0.016	0.019
101	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(4)	5/6	110	5550	20.50	21.00	1.122	86.84	1.152	-0.11	0.354	0.458
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(8)	5/6	110	5550	20.75	21.00	1.059	86.84	1.152	-0.11	0.578	0.705
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(4)	7	122	5610	19.60	20.50	1.230	88.1	1.135	0.02	0.145	0.202
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(8)	7	122	5610	20.50	20.50	1.000	88.1	1.135	0.02	0.052	0.059
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(4)	7	122	5610	19.60	20.50	1.230	88.1	1.135	0.09	0.344	0.480
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(8)	7	122	5610	20.50	20.50	1.000	88.1	1.135	0.09	0.468	0.531
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(4)	8/9	138	5690	17.50	19.00	1.413	88.1	1.135	0.13	0.056	0.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(8)	8/9	138	5690	18.15	19.00	1.216	88.1	1.135	0.13	0.127	0.175
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(4)	8/9	138	5690	17.50	19.00	1.413	88.1	1.135	0.06	0.188	0.301
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(8)	8/9	138	5690	18.15	19.00	1.216	88.1	1.135	0.06	0.275	0.380



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
102	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(4)	5/6	155	5775	18.00	18.00	1.000	88.1	1.135	0.07	0.203	0.230
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(8)	5/6	155	5775	20.75	21.00	1.059	88.1	1.135	0.07	0.101	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(4)	5/6	155	5775	18.00	18.00	1.000	88.1	1.135	-0.06	0.413	0.469
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(8)	5/6	155	5775	20.75	21.00	1.059	88.1	1.135	-0.06	0.596	0.717
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(4)	7	155	5775	18.00	18.00	1.000	88.1	1.135	-0.02	0.102	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(8)	7	155	5775	19.55	20.50	1.245	88.1	1.135	-0.02	0.061	0.086
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(4)	7	155	5775	18.00	18.00	1.000	88.1	1.135	-0.02	0.207	0.235
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(8)	7	155	5775	19.55	20.50	1.245	88.1	1.135	-0.02	0.338	0.477
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(4)	8/9	155	5775	18.00	18.00	1.000	88.1	1.135	-0.05	0.081	0.092
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+8(8)	8/9	155	5775	18.90	19.00	1.023	88.1	1.135	-0.05	0.056	0.065
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(4)	8/9	155	5775	18.00	18.00	1.000	88.1	1.135	-0.02	0.166	0.188
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+8(8)	8/9	155	5775	18.90	19.00	1.023	88.1	1.135	-0.02	0.266	0.309

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(4)	5	167	5835	20.10	22.00	1.549	96.79	1.033	-0.06	0.073	0.117
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(8)	5	167	5835	20.60	22.00	1.380	96.79	1.033	-0.06	0.128	0.183
103	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(4)	5	167	5835	20.10	22.00	1.549	96.79	1.033	-0.02	0.339	0.542
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(8)	5	167	5835	20.60	22.00	1.380	96.79	1.033	-0.02	0.515	0.734
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(4)	6	167	5835	20.10	21.50	1.380	96.79	1.033	-0.06	0.073	0.104
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+8(8)	6	167	5835	20.60	21.50	1.230	96.79	1.033	-0.06	0.128	0.163
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(4)	6	167	5835	20.10	21.50	1.380	96.79	1.033	-0.02	0.339	0.483
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+8(8)	6	167	5835	20.60	21.50	1.230	96.79	1.033	-0.02	0.515	0.654
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+8(4)	7	163	5815	18.70	20.00	1.349	88.1	1.135	-0.08	0.114	0.175
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+8(8)	7	163	5815	19.10	20.00	1.230	88.1	1.135	-0.08	0.082	0.115
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+8(4)	7	163	5815	18.70	20.00	1.349	88.1	1.135	-0.01	0.247	0.378
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+8(8)	7	163	5815	19.10	20.00	1.230	88.1	1.135	-0.01	0.394	0.550
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+8(4)	8/9	163	5815	17.40	18.00	1.148	88.1	1.135	0.07	0.121	0.158
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+8(8)	8/9	163	5815	17.50	18.00	1.122	88.1	1.135	0.07	0.054	0.069
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+8(4)	8/9	163	5815	17.40	18.00	1.148	88.1	1.135	0	0.236	0.308
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+8(8)	8/9	163	5815	17.50	18.00	1.122	88.1	1.135	0	0.307	0.391



<6GHz WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+8(4)	5/6/7/8/9	175	6825	15.10	17.00	1.549	92.19	1.085	0.07	0.035	0.059	0.28
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+8(8)	5/6/7/8/9	175	6825	16.60	17.00	1.096	92.19	1.085	0.07	0.008	0.010	0.07
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(4)	5/6/7/8/9	175	6825	15.10	17.00	1.549	92.19	1.085	0.02	0.043	0.072	0.34
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(8)	5/6/7/8/9	175	6825	16.60	17.00	1.096	92.19	1.085	0.02	0.133	0.158	1.02
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(4)	5/6/7/8/9	15	6025	14.70	16.00	1.349	92.19	1.085	-0.11	0.111	0.162	0.85
104	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(8)	5/6/7/8/9	15	6025	15.10	16.00	1.230	92.19	1.085	-0.11	0.222	0.296	1.52
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(4)	5/6/7/8/9	47	6185	14.60	16.00	1.380	92.19	1.085	-0.02	0.039	0.058	0.31
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(8)	5/6/7/8/9	47	6185	15.10	16.00	1.230	92.19	1.085	-0.02	0.185	0.247	1.44
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(4)	5/6/7/8/9	111	6505	15.00	16.00	1.259	92.19	1.085	0.07	0.078	0.107	0.6
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(8)	5/6/7/8/9	111	6505	15.60	16.00	1.096	92.19	1.085	0.07	0.137	0.163	1.07
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(4)	5/6/7/8/9	207	6985	15.40	17.00	1.445	92.19	1.085	0.05	0.112	0.176	0.86
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+8(8)	5/6/7/8/9	207	6985	16.20	17.00	1.202	92.19	1.085	0.05	0.156	0.203	1.2

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	0	2402	19.91	20.50	1.146	77.21	1.079	0.12	0.114	0.141
	Bluetooth	1Mbps	Back	10mm	Ant 4	2	0	2402	19.91	20.50	1.146	77.21	1.079	-0.03	0.210	0.260
	Bluetooth	1Mbps	Front	10mm	Ant 3	2	39	2441	20.21	20.50	1.069	77.22	1.079	0.16	0.194	0.224
105	Bluetooth	1Mbps	Back	10mm	Ant 3	2	39	2441	20.21	20.50	1.069	77.22	1.079	-0.01	0.302	0.348
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	2	78	2480	16.13	17.50	1.371	76.83	1.084	-0.18	0.068	0.101
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	2	78	2480	16.69	17.50	1.205	76.83	1.084	-0.18	0.101	0.132
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	2	78	2480	16.13	17.50	1.371	76.83	1.084	-0.1	0.097	0.144
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	2	78	2480	16.69	17.50	1.205	76.83	1.084	-0.1	0.150	0.196
	Bluetooth	1Mbps	Front	10mm	Ant 4	3	78	2480	18.15	19.00	1.216	77.1	1.080	-0.11	0.126	0.165
	Bluetooth	1Mbps	Back	10mm	Ant 4	3	78	2480	18.15	19.00	1.216	77.1	1.080	-0.01	0.223	0.293
	Bluetooth	1Mbps	Front	10mm	Ant 3	3	39	2441	18.35	20.00	1.462	77.1	1.080	0.06	0.146	0.231
	Bluetooth	1Mbps	Back	10mm	Ant 3	3	39	2441	18.35	20.00	1.462	77.1	1.080	-0.1	0.185	0.292
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	3	78	2480	16.13	17.50	1.371	76.83	1.084	-0.09	0.083	0.123
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	3	78	2480	16.69	17.50	1.205	76.83	1.084	-0.09	0.098	0.128
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	3	78	2480	16.13	17.50	1.371	76.83	1.084	-0.03	0.127	0.189
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	3	78	2480	16.69	17.50	1.205	76.83	1.084	-0.03	0.146	0.191
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	3	0	2402	16.07	17.50	1.390	76.83	1.084	0.15	0.116	0.175
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	3	0	2402	16.33	17.50	1.309	76.83	1.084	0.15	0.118	0.167
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	3	39	2441	16.05	17.50	1.396	76.83	1.084	-0.14	0.110	0.167
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	3	39	2441	16.30	17.50	1.318	76.83	1.084	-0.14	0.132	0.189
	Bluetooth	1Mbps	Front	10mm	Ant 4	4	78	2480	16.15	17.00	1.216	77	1.082	0.17	0.002	0.003
	Bluetooth	1Mbps	Back	10mm	Ant 4	4	78	2480	16.15	17.00	1.216	77	1.082	-0.06	0.103	0.136
	Bluetooth	1Mbps	Front	10mm	Ant 3	4	78	2480	15.95	17.50	1.429	77.1	1.080	0.17	0.091	0.140
	Bluetooth	1Mbps	Back	10mm	Ant 3	4	78	2480	15.95	17.50	1.429	77.1	1.080	-0.13	0.104	0.160
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	4	78	2480	15.13	17.00	1.538	76.83	1.084	-0.05	0.079	0.132
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	4	78	2480	15.94	17.00	1.276	76.83	1.084	-0.05	0.098	0.136
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	4	78	2480	15.13	17.00	1.538	76.83	1.084	-0.04	0.111	0.185
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	4	78	2480	15.94	17.00	1.276	76.83	1.084	-0.04	0.097	0.134



15.4 Product Specific SAR

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
106	WCDMA II_Ant 0	RMC 12.2kbps	Bottom Side	0mm	5	9400	1880	20.62	21.90	1.343	0.17	2.140	2.874
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9262	1852.4	20.45	21.90	1.396	0.06	2.010	2.807
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9538	1907.6	20.54	21.90	1.368	0.01	1.920	2.626
	WCDMA II_Ant 0	RMC 12.2kbps	Bottom Side	0mm	6	9400	1880	20.62	20.70	1.019	0.17	2.140	2.180
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	6	9262	1852.4	20.45	20.70	1.059	0.06	2.010	2.129
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	6	9538	1907.6	20.54	20.70	1.038	0.01	1.920	1.992

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
107	LTE Band 2_Ant 1	20M	QPSK	1	0	Top Side	0mm	5	18900	1880	23.47	24.70	1.327	-0.03	1.500	1.991
	LTE Band 2_Ant 1	20M	QPSK	1	0	Top Side	0mm	6	18900	1880	23.47	23.50	1.007	-0.03	1.570	1.581
108	LTE Band 7_Ant 0	20M	QPSK	50	0	Bottom Side	0mm	5	21350	2560	21.13	22.60	1.403	0.07	1.340	1.880
	LTE Band 7C_Ant 0	20M	QPSK	1	99	Bottom Side	0mm	5	20850	2510	20.66	22.60	1.563	0.02	1.180	1.845
	LTE Band 7_Ant 0	20M	QPSK	50	0	Bottom Side	0mm	6	21350	2560	21.13	21.40	1.064	0.07	1.340	1.426
	LTE Band 7C_Ant 0	20M	QPSK	1	99	Bottom Side	0mm	5	20850	2510	20.66	21.40	1.186	0.02	1.180	1.399
109	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26140	1860	20.90	22.20	1.349	0.13	2.040	2.752
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom side	0mm	5	26340	1880	20.85	22.20	1.365	-0.09	1.850	2.524
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom side	0mm	5	26590	1905	20.63	22.20	1.435	0.01	1.730	2.483
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	6	26140	1860	20.90	21.00	1.023	0.13	2.040	2.088
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom side	0mm	6	26340	1880	20.85	21.00	1.035	-0.09	1.850	1.915
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom side	0mm	6	26590	1905	20.63	21.00	1.089	0.01	1.730	1.884
110	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom side	0mm	5	27710	2310	21.36	22.90	1.426	-0.06	1.650	2.352
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom side	0mm	6	27710	2310	21.36	21.70	1.081	-0.06	1.650	1.784

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5/6	40620	2593	24.67	25.10	1.104	62.9	1.006	0.05	0.841	0.934
111	LTE Band 41_Ant 0_HPUE	20M	QPSK	1	0	Bottom Side	0mm	5/6	40620	2593	26.63	27.10	1.114	42.9	1.009	-0.06	0.861	0.968



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
112	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	5	376000	1880	24.96	25.50	1.132	-0.15	1.860	2.106
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	5	372000	1860	24.19	25.50	1.352	0.05	1.540	2.082
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	5	380000	1900	24.37	25.50	1.297	-0.04	1.600	2.075
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	6	376000	1880	24.96	25.00	1.009	-0.15	1.860	1.877
113	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Side	0mm	5	507000	2535	20.71	22.00	1.346	-0.14	1.090	1.467
	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Side	0mm	6	507000	2535	20.71	20.80	1.021	-0.14	1.090	1.113
114	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Side	0mm	5	376500	1882.5	20.66	22.00	1.361	-0.12	2.120	2.886
	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Side	0mm	6	376500	1882.5	20.66	20.80	1.033	-0.12	2.120	2.189
115	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Side	0mm	5	462000	2310	22.10	23.10	1.259	-0.12	1.860	2.342
	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Side	0mm	6	462000	2310	22.10	22.20	1.023	-0.12	1.860	1.903
116	FR1 n66_Ant 1	40M	BPSK	1	1	Top Side	0mm	5	349000	1745	22.41	23.70	1.346	0	1.940	2.611
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Side	0mm	6	349000	1745	22.41	22.50	1.021	0	1.940	1.981
	FR1 n41_Ant 0	100M	BPSK	135	69	Bottom Side	0mm	5	518598	2592.99	22.30	23.60	1.349	-0.1	1.160	1.565
	FR1 n41_Ant 0	100M	BPSK	135	69	Bottom Side	0mm	6	518598	2592.99	22.30	22.40	1.023	-0.1	1.160	1.187
117	FR1 n41_Ant 1	100M	BPSK	1	137	Top Side	0mm	6	518598	2592.99	24.64	25.50	1.219	-0.07	1.470	1.792

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
118	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(4)	5	54	5270	19.30	21.00	1.479	86.84	1.152	-0.06	0.201	0.342
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(8)	5	54	5270	19.25	21.00	1.496	86.84	1.152	-0.06	0.295	0.508
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(4)	5	54	5270	19.30	21.00	1.479	86.84	1.152	-0.18	0.679	1.157
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(8)	5	54	5270	19.25	21.00	1.496	86.84	1.152	-0.18	0.908	1.565
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+8(8)	5	54	5270	19.30	21.00	1.479	86.84	1.152	0.09	0.075	0.128
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+8(4)	5	54	5270	19.25	21.00	1.496	86.84	1.152	-0.04	1.480	2.551
	WLAN5GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 4+8(4)	5	60	5300	20.60	21.00	1.096	91.67	1.091	0.05	1.560	1.866
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(4)	5	54	5270	19.30	21.00	1.479	86.84	1.152	-0.14	0.216	0.368
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(8)	5	54	5270	19.25	21.00	1.496	86.84	1.152	-0.14	0.414	0.714
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(4)	6	54	5270	19.30	19.50	1.047	86.84	1.152	-0.06	0.201	0.242
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(8)	6	54	5270	19.25	19.50	1.059	86.84	1.152	-0.06	0.295	0.360
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(4)	6	54	5270	19.30	19.50	1.047	86.84	1.152	-0.18	0.679	0.819
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(8)	6	54	5270	19.25	19.50	1.059	86.84	1.152	-0.18	0.908	1.108
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+8(8)	6	54	5270	19.30	19.50	1.047	86.84	1.152	0.09	0.075	0.090
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+8(4)	6	54	5270	19.25	19.50	1.059	86.84	1.152	-0.04	1.480	1.806
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(4)	6	54	5270	19.30	19.50	1.047	86.84	1.152	-0.14	0.216	0.261
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(8)	6	54	5270	19.25	19.50	1.059	86.84	1.152	-0.14	0.414	0.505
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(4)	7	54	5270	16.40	18.00	1.445	86.84	1.152	0.07	0.171	0.285
WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(8)	7	54	5270	16.35	18.00	1.462	86.84	1.152	0.07	0.178	0.300	
WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(4)	7	54	5270	16.40	18.00	1.445	86.84	1.152	-0.05	0.364	0.606	
WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(8)	7	54	5270	16.35	18.00	1.462	86.84	1.152	-0.05	0.421	0.709	
WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+8(8)	7	54	5270	16.35	18.00	1.462	86.84	1.152	-0.12	0.047	0.079	
WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+8(4)	7	54	5270	16.40	18.00	1.445	86.84	1.152	-0.01	0.718	1.196	
WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(4)	7	54	5270	16.40	18.00	1.445	86.84	1.152	-0.04	0.162	0.270	
WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(8)	7	54	5270	16.35	18.00	1.462	86.84	1.152	-0.04	0.230	0.387	
WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+8(4)	8/9	50	5250	16.40	16.50	1.023	88.1	1.135	0.07	0.106	0.123	
WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+8(8)	8/9	50	5250	16.05	16.50	1.109	88.1	1.135	0.07	0.155	0.195	
WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+8(4)	8/9	50	5250	16.40	16.50	1.023	88.1	1.135	-0.05	0.355	0.412	
WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+8(8)	8/9	50	5250	16.05	16.50	1.109	88.1	1.135	-0.05	0.455	0.573	
WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 4+8(8)	8/9	50	5250	16.40	16.50	1.023	88.1	1.135	-0.12	0.040	0.046	
WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 4+8(4)	8/9	50	5250	16.05	16.50	1.109	88.1	1.135	-0.01	0.713	0.898	
WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+8(4)	8/9	50	5250	16.40	16.50	1.023	88.1	1.135	-0.04	0.103	0.120	
WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+8(8)	8/9	50	5250	16.05	16.50	1.109	88.1	1.135	-0.04	0.205	0.258	



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
119	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(4)	5/6	110	5550	20.50	21.00	1.122	86.84	1.152	0.02	0.419	0.542
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(8)	5/6	110	5550	20.75	21.00	1.059	86.84	1.152	0.02	1.070	1.306
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(4)	5/6	110	5550	20.50	21.00	1.122	86.84	1.152	-0.13	1.100	1.422
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(8)	5/6	110	5550	20.75	21.00	1.059	86.84	1.152	-0.13	0.803	0.980
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+8(8)	5/6	110	5550	20.75	21.00	1.059	86.84	1.152	0.12	0.362	0.442
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+8(4)	5/6	110	5550	20.50	21.00	1.122	86.84	1.152	-0.18	0.834	1.078
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(4)	5/6	110	5550	20.50	21.00	1.122	86.84	1.152	0.15	0.783	1.012
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+8(4)	7	122	5610	19.60	20.50	1.230	88.1	1.135	0.03	0.205	0.286
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+8(8)	7	122	5610	20.50	20.50	1.000	88.1	1.135	0.03	0.313	0.355
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+8(4)	7	122	5610	19.60	20.50	1.230	88.1	1.135	-0.05	0.485	0.677
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+8(8)	7	122	5610	20.50	20.50	1.000	88.1	1.135	-0.05	0.611	0.693
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+8(8)	7	122	5610	20.50	20.50	1.000	88.1	1.135	0.05	0.263	0.299
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+8(4)	7	122	5610	19.60	20.50	1.230	88.1	1.135	0.01	0.588	0.821
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+8(4)	7	122	5610	19.60	20.50	1.230	88.1	1.135	0.02	0.403	0.563
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+8(4)	8/9	138	5690	17.50	19.00	1.413	88.1	1.135	-0.03	0.166	0.266
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+8(8)	8/9	138	5690	18.15	19.00	1.216	88.1	1.135	-0.03	0.249	0.344
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+8(4)	8/9	138	5690	17.50	19.00	1.413	88.1	1.135	-0.18	0.451	0.723
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+8(8)	8/9	138	5690	18.15	19.00	1.216	88.1	1.135	-0.18	0.554	0.765
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+8(8)	8/9	138	5690	18.15	19.00	1.216	88.1	1.135	0.13	0.208	0.287
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+8(4)	8/9	138	5690	17.50	19.00	1.413	88.1	1.135	-0.08	0.442	0.709
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+8(4)	8/9	138	5690	17.50	19.00	1.413	88.1	1.135	-0.01	0.319	0.511
120	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(4)	5	167	5835	20.10	22.00	1.549	96.79	1.033	-0.18	0.499	0.798
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(8)	5	167	5835	20.60	22.00	1.380	96.79	1.033	-0.18	0.874	1.246
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(4)	5	167	5835	20.10	22.00	1.549	96.79	1.033	0.07	0.554	0.886
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(8)	5	167	5835	20.60	22.00	1.380	96.79	1.033	0.07	0.985	1.405
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+8(8)	5	167	5835	20.60	22.00	1.380	96.79	1.033	0.1	0.591	0.843
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+8(4)	5	167	5835	20.10	22.00	1.549	96.79	1.033	0.08	0.521	0.834
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(4)	5	167	5835	20.10	22.00	1.549	96.79	1.033	-0.13	0.605	0.968
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(4)	6	167	5835	20.10	21.50	1.380	96.79	1.033	-0.18	0.499	0.712
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+8(8)	6	167	5835	20.60	21.50	1.230	96.79	1.033	-0.18	0.874	1.111
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(4)	6	167	5835	20.10	21.50	1.380	96.79	1.033	0.07	0.554	0.790
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+8(8)	6	167	5835	20.60	21.50	1.230	96.79	1.033	0.07	0.985	1.252
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+8(8)	6	167	5835	20.60	21.50	1.230	96.79	1.033	0.1	0.591	0.751
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+8(4)	6	167	5835	20.10	21.50	1.380	96.79	1.033	0.08	0.521	0.743
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+8(4)	6	167	5835	20.10	21.50	1.380	96.79	1.033	-0.13	0.605	0.863
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+8(4)	7	163	5815	18.70	20.00	1.349	88.1	1.135	0.18	0.406	0.622
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+8(8)	7	163	5815	19.10	20.00	1.230	88.1	1.135	0.18	0.363	0.507
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+8(4)	7	163	5815	18.70	20.00	1.349	88.1	1.135	0.14	0.464	0.710
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+8(8)	7	163	5815	19.10	20.00	1.230	88.1	1.135	0.14	0.502	0.701
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 4+8(8)	7	163	5815	19.10	20.00	1.230	88.1	1.135	-0.01	0.764	1.067
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 4+8(4)	7	163	5815	18.70	20.00	1.349	88.1	1.135	-0.02	0.534	0.818
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+8(4)	7	163	5815	18.70	20.00	1.349	88.1	1.135	0.13	0.502	0.769
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+8(4)	8/9	163	5815	17.40	18.00	1.148	88.1	1.135	0.17	0.299	0.390
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+8(8)	8/9	163	5815	17.50	18.00	1.122	88.1	1.135	0.17	0.281	0.358
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+8(4)	8/9	163	5815	17.40	18.00	1.148	88.1	1.135	0.01	0.350	0.456
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+8(8)	8/9	163	5815	17.50	18.00	1.122	88.1	1.135	0.01	0.573	0.730
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 4+8(8)	8/9	163	5815	17.50	18.00	1.122	88.1	1.135	-0.03	0.317	0.404
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 4+8(4)	8/9	163	5815	17.40	18.00	1.148	88.1	1.135	-0.12	0.165	0.215
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+8(4)	8/9	163	5815	17.40	18.00	1.148	88.1	1.135	-0.07	0.226	0.295



<6GHz WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m ²)
121	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 4+8(4)	5/6/7/8/9	175	6825	15.10	17.00	1.549	92.19	1.085	-0.03	0.176	0.296	2.42
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 4+8(8)	5/6/7/8/9	175	6825	16.60	17.00	1.096	92.19	1.085	-0.03	0.127	0.151	3.02
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 4+8(4)	5/6/7/8/9	175	6825	15.10	17.00	1.549	92.19	1.085	-0.07	0.107	0.180	2.48
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 4+8(8)	5/6/7/8/9	175	6825	16.60	17.00	1.096	92.19	1.085	-0.07	0.261	0.311	6.21
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 4+8(8)	5/6/7/8/9	175	6825	16.60	17.00	1.096	92.19	1.085	-0.08	0.029	0.035	0.4
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 4+8(4)	5/6/7/8/9	175	6825	15.10	17.00	1.549	92.19	1.085	0.07	0.178	0.299	4.24
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 4+8(4)	5/6/7/8/9	175	6825	15.10	17.00	1.549	92.19	1.085	0.03	0.100	0.168	1.38
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 4+8(8)	5/6/7/8/9	175	6825	16.60	17.00	1.096	92.19	1.085	0.03	0.014	0.017	0.333

15.5 6GHz PD Test result

Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Duty Cycle %	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	15	6025	14.70	92.19	0.0625	1.7	2.418899645	2.2	2.76
WLAN6GHz	802.11ax-HE160 MCS0	Right Side	10mm	Ant 4+8(4)	15	6025	14.70	92.19	0.25	0.974		0.478	0.663
WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	207	6985	15.40	92.19	0.0625	1.77	-0.09705309	1.91	2.43
WLAN6GHz	802.11ax-HE160 MCS0	Right Side	8.59mm	Ant 4+8(4)	207	6985	15.40	92.19	0.25	1.81		0.777	0.912

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
122	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	15	6025	14.70	16.00	92.19	0.0625	1.5535	-0.04	2.2	5.00	2.76	6.28
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	47	6185	14.60	16.00	92.19	0.0625	1.5535	0.16	1.5	3.49	2.16	5.03
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	111	6505	15.00	16.00	92.19	0.0625	1.5535	0.09	1.82	3.86	2.47	5.24
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	175	6825	15.10	17.00	92.19	0.0625	1.5535	-0.08	1.72	4.49	1.96	5.12
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 4+8(4)	207	6985	15.40	17.00	92.19	0.0625	1.5535	0.15	1.91	4.65	2.43	5.92



15.6 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 13_Ant 1	10M_QPSK_1_0	Right Cheek	0mm	2	23230	782	23.86	25.20	1.361	-0.05	0.821	-	1.118
2nd	LTE Band 13_Ant 1	10M_QPSK_1_0	Right Cheek	0mm	2	23230	782	23.86	25.20	1.361	0.04	0.815	1.01	1.110
1st	LTE Band 30_Ant 2	10M_QPSK_25_0	Right Side	10mm	4	27710	2310	20.73	20.90	1.040	0.02	0.855	-	0.889
2nd	LTE Band 30_Ant 2	10M_QPSK_25_0	Right Side	10mm	4	27710	2310	20.73	20.90	1.040	0.02	0.842	1.02	0.876
1st	FR1 n48_Ant 1	10M_QPSK_1_1	Right Tilted	0mm	2	641666	3624.99	19.90	21.10	1.318	0.03	0.854	-	1.126
2nd	FR1 n48_Ant 1	10M_QPSK_1_1	Right Tilted	0mm	2	641666	3624.99	19.90	21.10	1.318	0.06	0.844	1.01	1.113
1st	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1513	1752.6	24.03	24.10	1.016	0.13	0.876	-	0.890
2nd	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1513	1752.6	24.03	24.10	1.016	0.08	0.853	1.03	0.867
1st	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5	4132	826.4	23.48	24.70	1.324	-0.07	0.819	-	1.085
2nd	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5	4132	826.4	23.48	24.70	1.324	0.02	0.808	1.01	1.070
1st	LTE Band 2_Ant 1	20M_QPSK_1_0	Front	10mm	5	18900	1880	23.47	24.70	1.327	-0.16	0.886	-	1.176
2nd	LTE Band 2_Ant 1	20M_QPSK_1_0	Front	10mm	5	18900	1880	23.47	24.70	1.327	0.08	0.872	1.02	1.157
1st	LTE Band 7_Ant 0	20M_QPSK_50_0	Back	10mm	5	20850	2510	21.35	22.60	1.334	0.12	0.879	-	1.172
2nd	LTE Band 7_Ant 0	20M_QPSK_50_0	Back	10mm	5	20850	2510	21.35	22.60	1.334	0.05	0.863	1.02	1.151

No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9400	1880	20.62	21.90	1.343	0.17	2.140	-	2.874
2nd	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9400	1880	20.62	21.90	1.343	0.04	2.080	1.03	2.793

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	1	6	2437	18.65	19.00	1.084	93.4	1.071	0.07	0.986	-	1.145
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	1	6	2437	18.25	19.00	1.189	93.4	1.071	0.07	0.472		0.601
2nd	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	1	6	2437	18.65	19.00	1.084	93.4	1.071	0.07	0.921	1.07	1.069
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	1	6	2437	18.25	19.00	1.189	93.4	1.071	0.07	0.432		0.550
1st	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+8(4)	1	54	5270	19.60	20.00	1.096	86.84	1.152	-0.04	0.946	-	1.195
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+8(8)	1	54	5270	19.25	20.00	1.189	86.84	1.152	-0.04	0.676		0.926
2nd	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+8(4)	1	54	5270	19.60	20.00	1.096	86.84	1.152	0.04	0.926	1.02	1.170
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+8(8)	1	54	5270	19.25	20.00	1.189	86.84	1.152	0.04	0.652		0.893
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+8(4)	1	155	5775	17.10	18.00	1.230	88.1	1.135	-0.09	0.475	-	0.663
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+8(8)	1	155	5775	20.00	20.00	1.000	88.1	1.135	-0.09	0.886		1.006
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+8(4)	1	155	5775	17.10	18.00	1.230	88.1	1.135	-0.09	0.432	1.06	0.603
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+8(8)	1	155	5775	20.00	20.00	1.000	88.1	1.135	-0.09	0.836		0.949
1st	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+8(4)	1	167	5835	17.70	18.50	1.202	96.79	1.033	-0.08	0.837	-	1.040
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+8(8)	1	167	5835	18.20	18.50	1.072	96.79	1.033	-0.08	0.346		0.383
2nd	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+8(4)	1	167	5835	17.70	18.50	1.202	96.79	1.033	-0.08	0.822	1.02	1.021
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+8(8)	1	167	5835	18.20	18.50	1.072	96.79	1.033	-0.08	0.312		0.345

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
- Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
- The ratio is the difference in percentage between original and repeated *measured* SAR.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



15.7 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required
 Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<LTE Band 41 Linearity Data for Head>

Ant 2	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.5	27.5
Reported 1g SAR (W/kg)	0.48	0.555
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	224.60	243.49
Linearity SAR(W/kg)	0.52	
% deviation from expected linearity		6.65%

Ant 0	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.1	27.1
Reported 1g SAR (W/kg)	0.077	0.088
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	204.83	222.07
Linearity SAR(W/kg)	0.08	
% deviation from expected linearity		5.42%

<LTE Band 41 Linearity Data for Hotspot>

Ant 2	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.9	25.5
Reported 1g SAR (W/kg)	0.883	0.882
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	155.38	153.63
Linearity SAR(W/kg)	0.87	
% deviation from expected linearity		1.02%

Ant 0	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.8	24.4
Reported 1g SAR (W/kg)	0.819	0.887
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	120.62	119.26
Linearity SAR(W/kg)	0.81	
% deviation from expected linearity		9.54%



<LTE Band 41 Linearity Data for Body-worn>

Ant 2	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.1	26.7
Reported 1g SAR (W/kg)	0.714	0.767
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	204.83	202.53
Linearity SAR(W/kg)	0.71	
% deviation from expected linearity		8.65%

Ant 0	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.3	25.9
Reported 1g SAR (W/kg)	0.9	0.968
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	170.37	168.46
Linearity SAR(W/kg)	0.89	
% deviation from expected linearity		8.78%



16. Simultaneous Transmission Analysis

Exposure Condition	Tx mode	Capable TX Configurations	WWAN Power	WiFi Power	BT Power
Head	WWAN standalone	WWAN	Index 2		
	WiFi standalone	WiFi 2.4G SISO (Ant4 or Ant3)	Index 2 (RSDB)	Index 1	
		WiFi 2.4G MIMO/CDD (Ant4+3)			
		WiFi 5G MIMO (Ant4+8)			
		WiFi 6E MIMO (Ant4+8)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+8)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+8)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+8)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+8)			
	WiFi +BT	WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4)	Index 1	Index 1	
		WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant3)			
		WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4+3)			
		WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4)			
		WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant3)			
		WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4+3)			
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant4 or Ant3)	Index 3	Index 3	Index 4 (RSDB)
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)			
		WWAN + WiFi 5G MIMO (Ant4+8)			
		WWAN + WiFi 6E MIMO (Ant4+8)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+8)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+8)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+8)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+8)			
	WWAN + BT	WWAN + Bluetooth (Ant4)	Index 3	Index 1	
		WWAN + Bluetooth (Ant3)			
		WWAN + Bluetooth (Ant4+3)			
	WWAN + WiFi +BT	WWAN + WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4)	Index 3	Index 3	Index 1
		WWAN + WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant3)			
		WWAN + WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4)			
WWAN + WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant3)					
WWAN + WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4+3)					



Exposure Condition	Tx mode	Capable TX Configurations	WWAN Power	WiFi Power	BT Power
Body	WWAN standalone	WWAN	Index 5		
	WiFi standalone	WiFi 2.4G SISO (Ant4 or Ant3)	Index 6 / Index 4 (Hotspot)	Index 5	Index 6 (RSDB)
		WiFi 2.4G MIMO/CDD (Ant4+3)			
		WiFi 5G MIMO (Ant4+8)			
		WiFi 6E MIMO (Ant4+8)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+8)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+8)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+8)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+8)			
	BT standalone	Bluetooth (Ant4)	Index 2		
		Bluetooth (Ant3)			
		Bluetooth (Ant4+3)			
	WiFi +BT	WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4)	Index 5	Index 3	
		WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant3)			
		WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4+3)			
		WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4)			
		WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant3)			
		WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4+3)			
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant4 or Ant3)	Index 6 / Index 4 (Hotspot)	Index 7	
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)			
		WWAN + WiFi 5G MIMO (Ant4+8)			
		WWAN + WiFi 6E MIMO (Ant4+8)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+8)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+8)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+8)			
	WWAN + BT	WWAN + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)	Index 3	
		WWAN + Bluetooth (Ant3)			
		WWAN + Bluetooth (Ant4+3)			
	WWAN + WiFi +BT	WWAN + WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)	Index 9	Index 4
		WWAN + WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant3)			
WWAN + WiFi 5G MIMO (Ant4+8) + Bluetooth (Ant4+3)					
WWAN + WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4)					
WWAN + WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant3)					
WWAN + WiFi 6E MIMO (Ant4+8) + Bluetooth (Ant4+3)					

General Note:

- Simultaneous operation at maximum power levels when the device is neither against the body nor the head (i.e. in a mobile RF exposure condition) is addressed in Sporton's RF Exposure report no.: FA102919-05A
- The Sim-Tx configuration combination include in operation description will be match the title in the below Sum-Tx evaluation table.
- This device only WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
- The worst case reported SAR from each transmit antennas were using for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission configuration.
- The SAR summation is calculated based on the same exposure configuration and test position from each transmit antenna worst case reported SAR results.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation < 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
- For WWAN power, when the device is in head mode and hotspot function is enabled, the device will select power index 7 which is further lower than power index 3, as described in the operational description. In this report, standalone and simultaneous SAR compliance for the mentioned scenario was justified at power index 3 conservatively.

16.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

Samsung proprietary TAS feature manages transmitting power effectively in real time and ensures that overall average RF exposure from 4G/5G NR WWAN including 5GFR1 uplink MIMO, 5G NR EN-DC, and LTE intra-band/inter-band uplink CA are in compliance with FCC requirements, while the RF exposure from 2G, 3G and WLAN/BT radios is managed using the legacy approach, i.e., through a fixed power back-off if needed. The test device features a TAS function to keep average RF exposure below the given limit for all cases while allowing temporarily high power transmission for better performance.

For the 5G NR EN-DC, the power ratio factors are g_1 and g_2 for LTE and NR respectively. The main purpose of these power ratio factors is to split the available SAR budget among different RATs, so $g_1 + g_2 \leq 1$. The value of g_1 is computed based on the need of the anchor (LTE) and can be changed if the anchor changes its power request. Based on the SAR Budget portion allocated to the anchor, the value of g_2 will be computed. At steady state (where all RATs are being on for a while), the allocated power ratio factors will guarantee that the total exposure ratio never exceeds the highest exposure of either one.

$$g_1 * LTE_{exposure} + g_2 * NR_{exposure} \leq 1.0,$$

$$then, g_1 * LTE_{exposure} + g_2 * NR_{exposure} \leq \max (LTE_{exposure} , NR_{exposure})$$

Compliance of simultaneous transmission of LTE+5G NR+WiFi+BT can be justified from the compliance of LTE+WiFi +BT and 5G NR+WiFi+BT

Samsung TAS feature for 5G FR1 uplink MIMO combines the individual exposures of MIMO antennas, and operates as a single Tx, the total exposure ratio would never exceeds the highest exposure of either one, Max (FR1 antenna 1 exposure, FR1 antenna 2 exposure), therefore compliance of simultaneous transmission of FR1 uplink MIMO +WiFi+BT can be justified from the compliance of FR1 Ant 1 + WiFi+BT and FR1 Ant 2 +WiFi+BT.

16.2 Head Exposure Conditions

<WLAN Index 1, BT Index 1>

Exposure Position	1	2	3	4	5	6	7	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	4+7 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4+3 1g SAR (W/kg)			
Right Cheek	0.366	1.179	0.607	0.888	0.004	0.132	0.070	0.892	1.020	0.958
Right Tilted	0.391	0.156	0.436	0.787	0.001	0.003	0.092	0.788	0.790	0.879
Left Cheek	1.091	1.036	1.145	1.195	0.114	0.194	0.093	1.309	1.389	1.288
Left Tilted	1.124	0.157	1.102	1.040	0.196	0.003	0.198	1.236	1.043	1.238

<WLAN Index 2>

Exposure Position	1	2	3	4	1+4 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)			
Right Cheek	0.217	0.713	0.494	0.673	0.890	1.386	1.167
Right Tilted	0.323	0.098	0.276	0.625	0.948	0.723	0.901
Left Cheek	0.655	0.668	0.723	0.796	1.451	1.464	1.519
Left Tilted	0.745	0.073	0.593	0.794	1.539	0.867	1.387



<WWAN Index 3, WLAN Index 3, BT Index 1>

WWAN	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+5+8 Summed 1g SAR (W/kg)
		WWAN	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+8	Bluetooth Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
Ant 0	Right Cheek	0.366	0.136	0.517	0.388	0.390	0.004	0.132	0.070	0.502	0.883	0.754	0.760	0.888	0.826
	Right Tilted	0.219	0.204	0.071	0.219	0.355	0.001	0.003	0.092	0.423	0.290	0.438	0.575	0.577	0.666
	Left Cheek	0.567	0.513	0.366	0.574	0.396	0.114	0.194	0.093	1.080	0.933	1.141	1.077	1.157	1.056
	Left Tilted	0.237	0.529	0.053	0.507	0.417	0.196	0.003	0.198	0.766	0.290	0.744	0.850	0.657	0.852
Ant 1	Right Cheek	0.892	0.136	0.517	0.388	0.390	0.004	0.132	0.070	1.028	1.409	1.280	1.286	1.414	1.352
	Right Tilted	0.892	0.204	0.071	0.219	0.355	0.001	0.003	0.092	1.096	0.963	1.111	1.248	1.250	1.339
	Left Cheek	0.807	0.513	0.366	0.574	0.396	0.114	0.194	0.093	1.320	1.173	1.381	1.317	1.397	1.296
	Left Tilted	0.854	0.529	0.053	0.507	0.417	0.196	0.003	0.198	1.383	0.907	1.361	1.467	1.274	1.469
Ant 2	Right Cheek	0.893	0.136	0.517	0.388	0.390	0.004	0.132	0.070	1.029	1.410	1.281	1.287	1.415	1.353
	Right Tilted	0.336	0.204	0.071	0.219	0.355	0.001	0.003	0.092	0.540	0.407	0.555	0.692	0.694	0.783
	Left Cheek	0.470	0.513	0.366	0.574	0.396	0.114	0.194	0.093	0.983	0.836	1.044	0.980	1.060	0.959
	Left Tilted	0.340	0.529	0.053	0.507	0.417	0.196	0.003	0.198	0.869	0.393	0.847	0.953	0.760	0.955
Ant 5	Right Cheek	0.656	0.136	0.517	0.388	0.390	0.004	0.132	0.070	0.792	1.173	1.044	1.050	1.178	1.116
	Right Tilted	0.372	0.204	0.071	0.219	0.355	0.001	0.003	0.092	0.576	0.443	0.591	0.728	0.730	0.819
	Left Cheek	0.896	0.513	0.366	0.574	0.396	0.114	0.194	0.093	1.409	1.262	1.470	1.406	1.486	1.385
	Left Tilted	0.546	0.529	0.053	0.507	0.417	0.196	0.003	0.198	1.075	0.599	1.053	1.159	0.966	1.161
Ant 6	Right Cheek	0.158	0.136	0.517	0.388	0.390	0.004	0.132	0.070	0.294	0.675	0.546	0.552	0.680	0.618
	Right Tilted	0.143	0.204	0.071	0.219	0.355	0.001	0.003	0.092	0.347	0.214	0.362	0.499	0.501	0.590
	Left Cheek	0.233	0.513	0.366	0.574	0.396	0.114	0.194	0.093	0.746	0.599	0.807	0.743	0.823	0.722
	Left Tilted	0.178	0.529	0.053	0.507	0.417	0.196	0.003	0.198	0.707	0.231	0.685	0.791	0.598	0.793
Ant 7	Right Cheek	0.198	0.136	0.517	0.388	0.390	0.004	0.132	0.070	0.334	0.715	0.586	0.592	0.720	0.658
	Right Tilted	0.101	0.204	0.071	0.219	0.355	0.001	0.003	0.092	0.305	0.172	0.320	0.457	0.459	0.548
	Left Cheek	0.179	0.513	0.366	0.574	0.396	0.114	0.194	0.093	0.692	0.545	0.753	0.689	0.769	0.668
	Left Tilted	0.197	0.529	0.053	0.507	0.417	0.196	0.003	0.198	0.726	0.250	0.704	0.810	0.617	0.812

<WWAN Index 3, WLAN Index 4>

WWAN	Exposure Position	1	2	3	4	5	1+2+5 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)			
Ant 0	Right Cheek	0.366	0.062	0.167	0.111	0.390	0.818	0.923	0.867
	Right Tilted	0.219	0.067	0.030	0.058	0.355	0.641	0.604	0.632
	Left Cheek	0.567	0.184	0.184	0.152	0.396	1.147	1.147	1.115
	Left Tilted	0.237	0.177	0.025	0.109	0.417	0.831	0.679	0.763
Ant 1	Right Cheek	0.892	0.062	0.167	0.111	0.390	1.344	1.449	1.393
	Right Tilted	0.892	0.067	0.030	0.058	0.355	1.314	1.277	1.305
	Left Cheek	0.807	0.184	0.184	0.152	0.396	1.387	1.387	1.355
	Left Tilted	0.854	0.177	0.025	0.109	0.417	1.448	1.296	1.380
Ant 2	Right Cheek	0.893	0.062	0.167	0.111	0.390	1.345	1.450	1.394
	Right Tilted	0.336	0.067	0.003	0.058	0.355	0.758	0.694	0.749
	Left Cheek	0.470	0.184	0.184	0.152	0.396	1.050	1.050	1.018
	Left Tilted	0.340	0.177	0.025	0.109	0.417	0.934	0.782	0.866
Ant 5	Right Cheek	0.656	0.062	0.167	0.111	0.390	1.108	1.213	1.157
	Right Tilted	0.372	0.067	0.030	0.058	0.355	0.794	0.757	0.785
	Left Cheek	0.896	0.184	0.184	0.152	0.396	1.476	1.476	1.444
	Left Tilted	0.546	0.177	0.025	0.109	0.417	1.140	0.988	1.072
Ant 6	Right Cheek	0.158	0.062	0.167	0.111	0.390	0.610	0.715	0.659
	Right Tilted	0.143	0.067	0.030	0.058	0.355	0.565	0.528	0.556
	Left Cheek	0.233	0.184	0.184	0.152	0.396	0.813	0.813	0.781
	Left Tilted	0.178	0.177	0.025	0.109	0.417	0.772	0.620	0.704
Ant 7	Right Cheek	0.198	0.062	0.167	0.111	0.390	0.650	0.755	0.699
	Right Tilted	0.101	0.067	0.030	0.058	0.355	0.523	0.486	0.514
	Left Cheek	0.179	0.184	0.184	0.152	0.396	0.759	0.759	0.727
	Left Tilted	0.197	0.177	0.025	0.109	0.417	0.791	0.639	0.723



16.3 Hotspot Exposure Conditions

<WWAN Index 4, BT Index 3>

WWAN	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)
		WWAN	Bluetooth Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 0	Front	0.811	0.165	0.231	0.128	0.976	1.042	0.939
	Back	0.844	0.293	0.292	0.191	1.137	1.136	1.035
	Left side	0.691	0.001	0.376	0.263	0.692	1.067	0.954
	Right side	0.807	0.406	0.002	0.124	1.213	0.809	0.931
	Top side		0.254	0.084	0.069	0.254	0.084	0.069
	Bottom side	0.899				0.899	0.899	0.899
Ant 1	Front	0.519	0.165	0.231	0.128	0.684	0.750	0.647
	Back	0.540	0.293	0.292	0.191	0.833	0.832	0.731
	Left side	0.360	0.001	0.376	0.263	0.361	0.736	0.623
	Right side	0.266	0.406	0.002	0.124	0.672	0.268	0.390
	Top side	0.889	0.254	0.084	0.069	1.143	0.973	0.958
	Bottom side					0.000	0.000	0.000
Ant 2	Front	0.730	0.165	0.231	0.128	0.895	0.961	0.858
	Back	0.887	0.293	0.292	0.191	1.180	1.179	1.078
	Left side	0.081	0.001	0.376	0.263	0.082	0.457	0.344
	Right side	0.894	0.406	0.002	0.124	1.300	0.896	1.018
	Top side		0.254	0.084	0.069	0.254	0.084	0.069
	Bottom side	0.442				0.442	0.442	0.442
Ant 5	Front	0.292	0.165	0.231	0.128	0.457	0.523	0.420
	Back	0.546	0.293	0.292	0.191	0.839	0.838	0.737
	Left side	0.036	0.001	0.376	0.263	0.037	0.412	0.299
	Right side	0.896	0.406	0.002	0.124	1.302	0.898	1.020
	Top side	0.095	0.254	0.084	0.069	0.349	0.179	0.164
	Bottom side					0.000	0.000	0.000
Ant 6	Front	0.530	0.165	0.231	0.128	0.695	0.761	0.658
	Back	0.638	0.293	0.292	0.191	0.931	0.930	0.829
	Left side	0.838	0.001	0.376	0.263	0.839	1.214	1.101
	Right side	0.073	0.406	0.002	0.124	0.479	0.075	0.197
	Top side		0.254	0.084	0.069	0.254	0.084	0.069
	Bottom side	0.636				0.636	0.636	0.636
Ant 7	Front	0.457	0.165	0.231	0.128	0.622	0.688	0.585
	Back	0.679	0.293	0.292	0.191	0.972	0.971	0.870
	Left side	0.071	0.001	0.376	0.263	0.072	0.447	0.334
	Right side	0.847	0.406	0.002	0.124	1.253	0.849	0.971
	Top side		0.254	0.084	0.069	0.254	0.084	0.069
	Bottom side	0.257				0.257	0.257	0.257

<WWAN Index 4, WLAN Index 7>

WWAN	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5GHz Ant 4+8 1g SAR (W/kg)				
Ant 0	Front	0.811	0.307	0.369	0.319	0.171	1.118	1.180	1.130	0.982
	Back	0.844	0.530	0.493	0.596	0.477	1.374	1.337	1.440	1.321
	Left side	0.691	0.001	0.673	0.679	0.113	0.692	1.364	1.370	0.804
	Right side	0.807	0.527	0.001	0.441	0.638	1.334	0.808	1.248	1.445
	Top side		0.410	0.001	0.575	0.227	0.410	0.001	0.575	0.227
	Bottom side	0.899					0.899	0.899	0.899	0.899
Ant 1	Front	0.519	0.307	0.369	0.319	0.171	0.826	0.888	0.838	0.690
	Back	0.540	0.530	0.493	0.596	0.477	1.070	1.033	1.136	1.017
	Left side	0.730	0.001	0.673	0.679	0.113	0.731	1.403	1.409	0.843
	Right side	0.266	0.527	0.001	0.441	0.638	0.793	0.267	0.707	0.904
	Top side	0.889	0.410	0.001	0.575	0.227	1.299	0.890	1.464	1.116
	Bottom side						0.000	0.000	0.000	0.000
Ant 2	Front	0.730	0.307	0.369	0.319	0.171	1.037	1.099	1.049	0.901
	Back	0.887	0.530	0.493	0.596	0.477	1.417	1.380	1.483	1.364
	Left side	0.081	0.001	0.673	0.679	0.113	0.082	0.754	0.760	0.194
	Right side	0.894	0.527	0.001	0.441	0.638	1.421	0.895	1.335	1.532
	Top side		0.410	0.001	0.575	0.227	0.410	0.001	0.575	0.227
	Bottom side	0.442					0.442	0.442	0.442	0.442
Ant 5	Front	0.420	0.307	0.369	0.319	0.171	0.727	0.789	0.739	0.591
	Back	0.610	0.530	0.493	0.596	0.477	1.140	1.103	1.206	1.087
	Left side	0.049	0.001	0.673	0.679	0.113	0.050	0.722	0.728	0.162
	Right side	0.896	0.527	0.001	0.441	0.638	1.423	0.897	1.337	1.534
	Top side	0.185	0.410	0.001	0.575	0.227	0.595	0.186	0.760	0.412
	Bottom side						0.000	0.000	0.000	0.000
Ant 6	Front	0.530	0.307	0.369	0.319	0.171	0.837	0.899	0.849	0.701
	Back	0.638	0.530	0.493	0.596	0.477	1.168	1.131	1.234	1.115
	Left side	0.838	0.001	0.673	0.679	0.113	0.839	1.511	1.517	0.951
	Right side	0.073	0.527	0.001	0.441	0.638	0.600	0.074	0.514	0.711
	Top side		0.410	0.001	0.575	0.227	0.410	0.001	0.575	0.227
	Bottom side	0.636					0.636	0.636	0.636	0.636
Ant 7	Front	0.457	0.307	0.369	0.319	0.171	0.764	0.826	0.776	0.628
	Back	0.679	0.530	0.493	0.596	0.477	1.209	1.172	1.275	1.156
	Left side	0.071	0.001	0.673	0.679	0.113	0.072	0.744	0.750	0.184
	Right side	0.890	0.527	0.001	0.441	0.638	1.417	0.891	1.331	1.528
	Top side		0.410	0.001	0.575	0.227	0.410	0.001	0.575	0.227
	Bottom side	0.257					0.257	0.257	0.257	0.257



<WWAN Index 4, WLAN Index 8>

WWAN	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	1+2+5	1+3+5	1+4+5
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5GHz Ant 4+8 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Ant 0	Front	0.811	0.073	0.048	0.088	0.100	0.884	0.859	0.899	0.911	0.984	0.959	0.999
	Back	0.844	0.096	0.123	0.157	0.309	0.940	0.967	1.001	1.153	1.249	1.276	1.310
	Left side	0.691	0.001	0.158	0.173	0.121	0.692	0.849	0.864	0.812	0.813	0.970	0.985
	Right side	0.807	0.143	0.001	0.123	0.425	0.950	0.808	0.930	1.232	1.375	1.233	1.355
	Top side		0.117	0.001	0.124	0.207	0.117	0.001	0.124	0.207	0.324	0.208	0.331
	Bottom side	0.899					0.899	0.899	0.899	0.899	0.899	0.899	0.899
Ant 1	Front	0.519	0.073	0.048	0.088	0.100	0.592	0.567	0.607	0.619	0.692	0.667	0.707
	Back	0.540	0.096	0.123	0.157	0.309	0.636	0.663	0.697	0.849	0.945	0.972	1.006
	Left side	0.360	0.001	0.158	0.173	0.121	0.361	0.518	0.533	0.481	0.482	0.639	0.654
	Right side	0.266	0.143	0.001	0.123	0.425	0.409	0.267	0.389	0.691	0.834	0.692	0.814
	Top side	0.889	0.117	0.001	0.124	0.207	1.006	0.890	1.013	1.096	1.213	1.097	1.220
	Bottom side						0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ant 2	Front	0.730	0.073	0.048	0.088	0.100	0.803	0.778	0.818	0.830	0.903	0.878	0.918
	Back	0.887	0.096	0.123	0.157	0.309	0.983	1.010	1.044	1.196	1.292	1.319	1.353
	Left side	0.081	0.001	0.158	0.173	0.121	0.082	0.239	0.254	0.202	0.203	0.360	0.375
	Right side	0.894	0.143	0.001	0.123	0.425	1.037	0.895	1.017	1.319	1.462	1.320	1.442
	Top side		0.117	0.001	0.124	0.207	0.117	0.001	0.124	0.207	0.324	0.208	0.331
	Bottom side	0.442					0.442	0.442	0.442	0.442	0.442	0.442	0.442
Ant 5	Front	0.292	0.073	0.048	0.088	0.100	0.365	0.340	0.380	0.392	0.465	0.440	0.480
	Back	0.546	0.096	0.123	0.157	0.309	0.642	0.669	0.703	0.855	0.951	0.978	1.012
	Left side	0.036	0.001	0.158	0.173	0.121	0.037	0.194	0.209	0.157	0.158	0.315	0.330
	Right side	0.896	0.143	0.001	0.123	0.425	1.039	0.897	1.019	1.321	1.464	1.322	1.444
	Top side	0.095	0.117	0.001	0.124	0.207	0.212	0.096	0.219	0.302	0.419	0.303	0.426
	Bottom side						0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ant 6	Front	0.530	0.073	0.048	0.088	0.100	0.603	0.578	0.618	0.630	0.703	0.678	0.718
	Back	0.638	0.096	0.123	0.157	0.309	0.734	0.761	0.795	0.947	1.043	1.070	1.104
	Left side	0.838	0.001	0.158	0.173	0.121	0.839	0.996	1.011	0.959	0.960	1.117	1.132
	Right side	0.073	0.143	0.001	0.123	0.425	0.216	0.074	0.196	0.498	0.641	0.499	0.621
	Top side		0.117	0.001	0.124	0.207	0.117	0.001	0.124	0.207	0.324	0.208	0.331
	Bottom side	0.636					0.636	0.636	0.636	0.636	0.636	0.636	0.636
Ant 7	Front	0.457	0.073	0.048	0.088	0.100	0.530	0.505	0.545	0.557	0.630	0.605	0.645
	Back	0.679	0.096	0.123	0.157	0.309	0.775	0.802	0.836	0.988	1.084	1.111	1.145
	Left side	0.071	0.001	0.158	0.173	0.121	0.072	0.229	0.244	0.192	0.193	0.350	0.365
	Right side	0.847	0.143	0.001	0.123	0.425	0.990	0.848	0.970	1.272	1.415	1.273	1.395
	Top side		0.117	0.001	0.124	0.207	0.117	0.001	0.124	0.207	0.324	0.208	0.331
	Bottom side	0.257					0.257	0.257	0.257	0.257	0.257	0.257	0.257

<WWAN Index 4, WLAN Index 9, BT Index 4>

WWAN	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN5GHz Ant 4+8 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4+3 1g SAR (W/kg)			
Ant 0	Front	0.811	0.100	0.003	0.140	0.136	0.914	1.051	1.047
	Back	0.844	0.309	0.136	0.160	0.185	1.289	1.313	1.338
	Left side	0.691	0.121	0.003	0.228	0.226	0.815	1.040	1.038
	Right side	0.807	0.430	0.208	0.005	0.202	1.445	1.242	1.439
	Top side		0.207	0.107	0.006	0.098	0.314	0.213	0.305
	Bottom side	0.899					0.899	0.899	0.899
Ant 1	Front	0.519	0.100	0.003	0.140	0.136	0.622	0.759	0.755
	Back	0.540	0.309	0.136	0.160	0.185	0.985	1.009	1.034
	Left side	0.360	0.121	0.003	0.228	0.226	0.484	0.709	0.707
	Right side	0.266	0.430	0.208	0.005	0.202	0.904	0.701	0.898
	Top side	0.889	0.207	0.107	0.006	0.098	1.203	1.102	1.194
	Bottom side						0.000	0.000	0.000
Ant 2	Front	0.730	0.100	0.003	0.140	0.136	0.833	0.970	0.966
	Back	0.887	0.309	0.136	0.160	0.185	1.332	1.356	1.381
	Left side	0.081	0.121	0.003	0.228	0.226	0.205	0.430	0.428
	Right side	0.894	0.430	0.208	0.005	0.202	1.532	1.329	1.526
	Top side		0.207	0.107	0.006	0.098	0.314	0.213	0.305
	Bottom side	0.442					0.442	0.442	0.442
Ant 5	Front	0.292	0.100	0.003	0.140	0.136	0.395	0.532	0.528
	Back	0.546	0.309	0.136	0.160	0.185	0.991	1.015	1.040
	Left side	0.036	0.121	0.003	0.228	0.226	0.160	0.385	0.383
	Right side	0.896	0.430	0.208	0.005	0.202	1.534	1.331	1.528
	Top side	0.095	0.207	0.107	0.006	0.098	0.409	0.308	0.400
	Bottom side						0.000	0.000	0.000
Ant 6	Front	0.530	0.100	0.003	0.140	0.136	0.633	0.770	0.766
	Back	0.638	0.309	0.136	0.160	0.185	1.083	1.107	1.132
	Left side	0.838	0.121	0.003	0.228	0.226	0.962	1.187	1.185
	Right side	0.073	0.430	0.208	0.005	0.202	0.711	0.508	0.705
	Top side		0.207	0.107	0.006	0.098	0.314	0.213	0.305
	Bottom side	0.636					0.636	0.636	0.636
Ant 7	Front	0.457	0.100	0.003	0.140	0.136	0.560	0.697	0.693
	Back	0.679	0.309	0.136	0.160	0.185	1.124	1.148	1.173
	Left side	0.071	0.121	0.003	0.228	0.226	0.195	0.420	0.418
	Right side	0.847	0.430	0.208	0.005	0.202	1.485	1.282	1.479
	Top side		0.207	0.107	0.006	0.098	0.314	0.213	0.305
	Bottom side	0.257					0.257	0.257	0.257

16.4 Body-Worn Accessory Exposure Conditions

<WLAN Index 5, BT Index 3>

Exposure Position	1	2	3	4	5	6	7	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	4+7 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4+3 1g SAR (W/kg)			
Front	0.389	0.520	0.467	0.273	0.165	0.231	0.128	0.438	0.504	0.401
Back	0.605	0.772	0.696	1.070	0.293	0.292	0.191	1.363	1.362	1.261

<WLAN Index 6>

Exposure Position	1	2	3	4	1+4 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)			
Front	0.389	0.520	0.467	0.266	0.655	0.786	0.733
Back	0.605	0.772	0.696	0.758	1.363	1.530	1.454

<WWAN Index 6, WLAN Index 7>

WWAN	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)				
Ant 0	Front	0.896	0.307	0.369	0.319	0.202	1.203	1.265	1.215	1.098
	Back	0.889	0.530	0.493	0.596	0.550	1.419	1.382	1.485	1.439
Ant 1	Front	0.892	0.307	0.369	0.319	0.202	1.199	1.261	1.211	1.094
	Back	0.891	0.530	0.493	0.596	0.550	1.421	1.384	1.487	1.441
Ant 2	Front	0.730	0.307	0.369	0.319	0.202	1.037	1.099	1.049	0.932
	Back	0.890	0.530	0.493	0.596	0.550	1.420	1.383	1.486	1.440
Ant 5	Front	0.407	0.307	0.369	0.319	0.202	0.714	0.776	0.726	0.609
	Back	0.804	0.530	0.493	0.596	0.550	1.334	1.297	1.400	1.354
Ant 6	Front	0.530	0.307	0.369	0.319	0.202	0.837	0.899	0.849	0.732
	Back	0.660	0.530	0.493	0.596	0.550	1.190	1.153	1.256	1.210
Ant 7	Front	0.457	0.307	0.369	0.319	0.202	0.764	0.826	0.776	0.659
	Back	0.679	0.530	0.493	0.596	0.550	1.209	1.172	1.275	1.229

<WWAN Index 6, WLAN Index 8>

WWAN	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)							
Ant 0	Front	0.896	0.073	0.048	0.088	0.175	0.969	0.944	0.984	1.071	1.144	1.119	1.159
	Back	0.889	0.096	0.123	0.157	0.391	0.985	1.012	1.046	1.280	1.376	1.403	1.437
Ant 1	Front	0.892	0.073	0.048	0.088	0.175	0.965	0.940	0.980	1.067	1.140	1.115	1.155
	Back	0.891	0.096	0.123	0.157	0.391	0.987	1.014	1.048	1.282	1.378	1.405	1.439
Ant 2	Front	0.730	0.073	0.048	0.088	0.175	0.803	0.778	0.818	0.905	0.978	0.953	0.993
	Back	0.890	0.096	0.123	0.157	0.391	0.986	1.013	1.047	1.281	1.377	1.404	1.438
Ant 5	Front	0.420	0.073	0.048	0.088	0.175	0.493	0.468	0.508	0.595	0.668	0.643	0.683
	Back	0.804	0.096	0.123	0.157	0.391	0.900	0.927	0.961	1.195	1.291	1.318	1.352
Ant 6	Front	0.530	0.073	0.048	0.088	0.175	0.603	0.578	0.618	0.705	0.778	0.753	0.793
	Back	0.660	0.096	0.123	0.157	0.391	0.756	0.783	0.817	1.051	1.147	1.174	1.208
Ant 7	Front	0.457	0.073	0.048	0.088	0.175	0.530	0.505	0.545	0.632	0.705	0.680	0.720
	Back	0.724	0.096	0.123	0.157	0.391	0.820	0.847	0.881	1.115	1.211	1.238	1.272

<WWAN Index 6, WLAN Index 9, BT Index 4>

WWAN	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN5/6GHz Ant 4+8 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4+3 1g SAR (W/kg)			
Ant 0	Front	0.896	0.175	0.003	0.140	0.136	1.074	1.211	1.207
	Back	0.889	0.391	0.136	0.160	0.185	1.416	1.440	1.465
Ant 1	Front	0.892	0.175	0.003	0.140	0.136	1.070	1.207	1.203
	Back	0.891	0.391	0.136	0.160	0.185	1.418	1.442	1.467
Ant 2	Front	0.730	0.175	0.003	0.140	0.136	0.908	1.045	1.041
	Back	0.890	0.391	0.136	0.160	0.185	1.417	1.441	1.466
Ant 5	Front	0.407	0.175	0.003	0.140	0.136	0.585	0.722	0.718
	Back	0.804	0.391	0.136	0.160	0.185	1.331	1.355	1.380
Ant 6	Front	0.530	0.175	0.003	0.140	0.136	0.708	0.845	0.841
	Back	0.660	0.391	0.136	0.160	0.185	1.187	1.211	1.236
Ant 7	Front	0.457	0.175	0.003	0.140	0.136	0.635	0.772	0.768
	Back	0.679	0.391	0.136	0.160	0.185	1.206	1.230	1.255

<WWAN Index 6, BT Index 3>

WWAN	Exposure Position	1	3	4	5	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4+3 1g SAR (W/kg)			
Ant 0	Front	0.896	0.165	0.231	0.128	1.061	1.127	1.024
	Back	0.889	0.293	0.292	0.191	1.182	1.181	1.080
Ant 1	Front	0.892	0.165	0.231	0.128	1.057	1.123	1.020
	Back	0.891	0.293	0.292	0.191	1.184	1.183	1.082
Ant 2	Front	0.730	0.165	0.231	0.128	0.895	0.961	0.858
	Back	0.890	0.293	0.292	0.191	1.183	1.182	1.081
Ant 5	Front	0.407	0.165	0.231	0.128	0.572	0.638	0.535
	Back	0.804	0.293	0.292	0.191	1.097	1.096	0.995
Ant 6	Front	0.530	0.165	0.231	0.128	0.695	0.761	0.658
	Back	0.660	0.293	0.292	0.191	0.953	0.952	0.851
Ant 7	Front	0.457	0.165	0.231	0.128	0.622	0.688	0.585
	Back	0.679	0.293	0.292	0.191	0.972	0.971	0.870



16.5 Product Specific Exposure Conditions

WWAN Index 6, WLAN index 7

WWAN	Exposure Position	1	2	1+2 Summed 10g SAR (W/kg)
		WWAN 10g SAR (W/kg)	WLAN5/6GHz Ant 4+8 10g SAR (W/kg)	
Ant 0	Front		0.622	0.622
	Back		0.710	0.710
	Left side		1.067	1.067
	Right side		1.196	1.196
	Top side		0.769	0.769
	Bottom side	2.189		2.189
Ant 1	Front		0.622	0.622
	Back		0.710	0.710
	Left side		1.067	1.067
	Right side		1.196	1.196
	Top side	1.981	0.769	2.750
	Bottom side			0.000

WWAN Index 6, WLAN index 8/9

WWAN	Exposure Position	1	2	1+2 Summed 10g SAR (W/kg)
		WWAN 10g SAR (W/kg)	WLAN5/6GHz Ant 4+8 10g SAR (W/kg)	
Ant 0	Front		0.390	0.390
	Back		0.765	0.765
	Left side		0.404	0.404
	Right side		0.898	0.898
	Top side		0.511	0.511
	Bottom side	2.189		2.189
Ant 1	Front		0.390	0.390
	Back		0.765	0.765
	Left side		0.404	0.404
	Right side		0.898	0.898
	Top side	1.981	0.511	2.492
	Bottom side			0.000



17. Supplemental Antenna tuner tests results

General Note:

1. This device implements antenna tuning techniques in the several frequency band and list as below. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
2. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
3. The number of supported tunecodes is different for each frequency band as shown in the following table.
4. Dynamic antenna tuning mechanism is available at Ant. 0 / 2 and for its < 3GHz band, details are illustrated in the operational description. In this section, all supported tuning states for each band are tested and it's verified that auto-tune state results in the highest SAR configuration.
5. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).

Antenna configuration	
Transmit switching diversity configuration	Support transmit antenna and band
TX0	ANT 0: LTE B12/B13/B14/B26/B71, NR n5/n12/n14/n71 ANT 2: LTE B7/B25/B30/B66/B38/B41, NR n7/n25/n30/n66

Antenna	Band	Number of tuning states
Ant0(LB)	LTE B5/26	12
	LTE B12/17	7
	LTE B13	7
	LTE B14	8
	LTE B71	11
	NR n5	8
	NR n12	7
	NR n14	8
	NR n71	11
Ant2(MB/HB)	LTE B2/25	59
	LTE B4/66	42
	LTE B7	49
	LTE B30	20
	LTE B41	28
	NR n2/n25	59
	NR n7	49
	NR n30	20
	NR n66	42



17.2 Supplemental Body SAR results

Body (Ant0)	RF exposure position												Average Value of Time Sweep Single Point SAR (W/kg)																		
	Band	Mode	Channel		Test Position	Gap	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Default-Tuner (State)	Default-Tuner Single Point SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	1	2	3	4	5	6	7												
	LTE Band 12/17	10M_QPSK_1_0	Middle	23095	Bottom Side	10mm	0.378	0.437	1	0.416	1	0.416	0.416	0.331	0.313	0.413	0.361	0.302	0.145												
LTE Band 13	10M_QPSK_1_0	Middle	23230	Left Side	10mm	0.579	0.691	2	0.282	2	0.278	0.163	0.278	0.085	0.139	0.161	0.158	0.149													
LTE Band 14	10M_QPSK_1_0	Middle	23330	Bottom Side	10mm	0.599	0.709	2	0.652	2	0.652	0.561	0.652	0.336	0.501	0.646	0.508	0.512	0.336												
LTE Band 5/26	15M_QPSK_1_0	Middle	26865	Bottom Side	10mm	0.748	0.887	6	0.891	6	0.891	0.883	0.351	0.254	0.666	0.298	0.891	0.603	0.254	0.588	0.299	0.345									
												12																			
												0.732																			
LTE Band 71	20M_QPSK_1_0	Middle	133297	Left Side	10mm	0.370	0.419	5	0.336	5	0.336	0.261	0.110	0.064	0.212	0.336	0.168	0.218	0.101	0.221	0.199	0.245									
FR1 n5	20M_BPSK_1_53	Middle	167300	Bottom Side	10mm	0.767	0.889	4	0.832	4	0.832	0.768	0.681	0.790	0.832	0.490	0.794	0.209	0.363												
FR1 n12	15M_BPSK_1_1	Middle	141500	Bottom Side	10mm	0.393	0.487	5	0.099	1	0.401	0.339	0.131	0.216	0.199	0.099	0.401	0.283													
FR1 n14	10M_BPSK_1_1	Middle	158600	Bottom Side	10mm	0.541	0.593	3	0.181	5	0.556	0.535	0.475	0.181	0.510	0.556	0.405	0.265	0.112												
FR1 n71	20M_BPSK_1_53	Middle	136100	Left Side	10mm	0.366	0.448	5	0.338	5	0.338	0.320	0.156	0.154	0.298	0.338	0.265	0.245	0.101	0.225	0.250	0.303									

Body (Ant2)	RF exposure position												Average Value of Time Sweep Single Point SAR (W/kg)												
	Band	Mode	Channel		Test Position	Gap	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Default-Tuner (State)	Default-Tuner Single Point SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	1	2	3	4	5	6	7	8	9	10	11	12	13
	LTE Band 7	20M_QPSK_1_99	High	21350	Right side	10mm	0.848	0.864	19	0.518	13	1.040	0.416	0.261	0.964	0.878	0.801	0.281	0.482	0.492	0.186	0.388	0.271	0.934	1.040
												0.881	0.139	0.463	0.642	0.386	0.518	0.271	0.332	0.961	0.441	0.552	0.502	0.692	
												0.376	0.851	0.991	0.411	0.428	0.321	0.432	0.492	0.552	0.612	0.958	0.991	0.931	
												0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49				
												0.291	0.366	0.468	0.881	0.391	0.812	0.608	0.961	0.571	0.411				
LTE Band 2/25	20M_QPSK_1_0	Low	26140	Back	10mm	0.859	0.877	25	0.652	13	1.110	0.291	0.832	0.702	0.376	0.648	0.961	0.391	0.362	0.771	0.632	0.631	1.090	1.110	
												14	15	16	17	18	19	20	21	22	23	24	25	26	
												0.441	0.772	0.722	0.556	0.548	0.931	0.401	0.502	0.313	0.341	0.682	0.652	0.496	
												27	28	29	30	31	32	33	34	35	36	37	38	39	
												0.598	1.000	0.648	0.941	0.391	0.452	0.812	0.722	0.642	0.536	0.568	0.961	0.511	
												40	41	42	43	44	45	46	47	48	49	50	51	52	
												0.462	1.110	0.491	0.822	0.682	0.446	0.637	0.752	0.386	1.010	0.491	0.532	0.742	
												53	54	55	56	57	58	59							
0.486	0.668	1.020	0.532	0.792	0.702	0.416																			
LTE Band 30	10M_QPSK_25_0	Middle	27710	Right side	10mm	0.855	0.889	2	0.991	10	1.030	0.698	0.991	0.521	0.452	0.841	0.762	0.822	0.446	0.658	1.030	0.683	0.712	0.662	
												14	15	16	17	18	19	20							

18. Uncertainty Assessment

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture’s specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	1/k ^(b)	1/√3	1/√6	1/√2

- (a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity
- (b) κ is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual “root-sum-squares” (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%



Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependance	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dependent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT	0.00	R	1.732	1	0.0
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68



19. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [6] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [9] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [10] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 941225 D07 v01r02, " SAR Evaluation Procedures for UMPC Mini-Tablet Devices", Oct 2015.
- [13] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [14] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [15] IEC/IEEE 62209-1528:2020, “Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)”, Oct. 2020
- [16] SPEAG DASY6 System Handbook
- [17] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)