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 2	20M	QPSK	1	0	Front	10mm	5	132322	1745	23.98	24.80	1.208	0.01	0.636	0.768
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	5	132322	1745	23.02	24.30	1.343	0	0.536	0.720
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322	1745	23.98	24.80	1.208	0.05	0.759	0.917
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132072	1720	23.97	24.80	1.211	-0.04	0.781	0.945
83	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132572	1770	23.93	24.80	1.222	-0.02	0.879	1.074
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132322	1745	23.02	24.30	1.343	-0.03	0.727	0.976
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132072	1720	23.00	24.30	1.349	0.01	0.718	0.969
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132572	1770	23.00	24.30	1.349	0.1	0.795	1.072
	LTE Band 66_Ant 2	20M	QPSK	100	0	Back	10mm	5	132322	1745	23.40	24.30	1.230	0.05	0.728	0.896
	LTE Band 66B_Ant 2	15M	QPSK	1	0	Back	10mm	5	132322+132229	1745	22.83	23.80	1.250	0.02	0.651	0.814
	LTE Band 66C_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322+132124	1745	22.97	23.80	1.211	0.07	0.678	0.821
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	6	132322	1745	22.39	23.60	1.321	0.01	0.445	0.588
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	6	132322	1745	22.42	23.60	1.312	0	0.454	0.596
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322	1745	22.39	23.60	1.321	0.05	0.585	0.773
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132072	1720	22.38	23.60	1.324	-0.03	0.543	0.719
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132572	1770	22.35	23.60	1.334	-0.02	0.604	0.805
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	6	132322	1745	22.42	23.60	1.312	0.04	0.581	0.762
	LTE Band 66_Ant 2	20M	QPSK	100	0	Back	10mm	6	132322	1745	22.37	23.60	1.327	0.02	0.512	0.680
	LTE Band 66B_Ant 2	15M	QPSK	1	0	Back	10mm	6	132322+132229	1745	22.83	23.60	1.194	0.02	0.651	0.777
	LTE Band 66C_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322+132124	1745	22.97	23.60	1.156	0.07	0.678	0.784
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132322	1745	19.70	20.80	1.288	0.03	0.728	0.938
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132072	1720	19.69	20.80	1.291	0.09	0.718	0.927
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132572	1770	19.48	20.80	1.355	-0.11	0.678	0.919
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132322	1745	19.78	20.80	1.265	0.12	0.731	0.925
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132072	1720	19.77	20.80	1.268	0.03	0.725	0.919
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132572	1770	19.54	20.80	1.337	-0.15	0.632	0.845
	LTE Band 66_Ant 0	20M	QPSK	100	0	Front	10mm	5	132322	1745	19.64	20.80	1.306	-0.09	0.679	0.887
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132322	1745	19.70	20.80	1.288	0.07	0.677	0.872
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132072	1720	19.69	20.80	1.291	0.02	0.673	0.869
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132572	1770	19.48	20.80	1.355	-0.12	0.605	0.820
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132322	1745	19.78	20.80	1.265	-0.11	0.674	0.852
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132072	1720	19.77	20.80	1.268	-0.15	0.685	0.868
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132572	1770	19.54	20.80	1.337	-0.02	0.606	0.810
	LTE Band 66_Ant 0	20M	QPSK	100	0	Back	10mm	5	132322	1745	19.64	20.80	1.306	-0.15	0.660	0.862
	LTE Band 66B_Ant 0	15M	QPSK	1	0	Front	10mm	5	132322+132229	1745	18.83	20.80	1.574	0.08	0.521	0.820
	LTE Band 66C_Ant 0	20M	QPSK	1	0	Front	10mm	5	132322+132124	1745	19.21	20.80	1.442	0.1	0.585	0.844
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132322	1745	18.81	19.60	1.199	0.06	0.608	0.729
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132072	1720	18.80	19.60	1.202	0.02	0.573	0.689
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132572	1770	18.69	19.60	1.233	-0.06	0.539	0.665
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132322	1745	19.02	19.60	1.143	0	0.618	0.706
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132322	1745	18.81	19.60	1.199	0.06	0.524	0.629
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132322	1745	19.02	19.60	1.143	0.03	0.523	0.598
	LTE Band 66B_Ant 0	15M	QPSK	1	0	Front	10mm	6	132322+132229	1745	17.65	19.60	1.567	-0.04	0.416	0.652
	LTE Band 66C_Ant 0	20M	QPSK	1	0	Front	10mm	6	132322+132124	1745	18.57	19.60	1.268	-0.05	0.526	0.667

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 1	20M	QPSK	1	0	Front	10mm	5	132072	1720	23.35	24.60	1.334	0.02	0.463	0.617
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132322	1745	23.34	24.60	1.337	0.05	0.605	0.809
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132572	1770	23.34	24.60	1.337	0.09	0.629	0.841
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	5	132072	1720	23.29	24.10	1.205	-0.03	0.508	0.612
	LTE Band 66_Ant 1	20M	QPSK	100	0	Front	10mm	5	132072	1720	23.05	24.10	1.274	0.04	0.545	0.694
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132072	1720	23.35	24.60	1.334	0	0.461	0.615
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132072	1720	23.29	24.10	1.205	0.06	0.510	0.615
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132072	1720	22.63	23.40	1.194	0.01	0.427	0.510
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132322	1745	22.59	23.40	1.205	0.04	0.462	0.557
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132572	1770	22.56	23.40	1.213	-0.05	0.480	0.582
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	6	132072	1720	22.39	23.40	1.262	0.05	0.401	0.506
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	6	132072	1720	22.63	23.40	1.194	-0.03	0.410	0.490
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132072	1720	22.39	23.40	1.262	0.02	0.402	0.507
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	5/6	132072	1720	24.60	25.20	1.148	-0.16	0.183	0.210
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	5/6	132072	1720	23.45	24.20	1.189	-0.15	0.151	0.179
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132072	1720	24.60	25.20	1.148	-0.11	0.299	0.343
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132322	1745	24.48	25.20	1.180	0.02	0.281	0.332
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132572	1770	24.19	25.20	1.262	-0.08	0.365	0.461
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5/6	132072	1720	23.45	24.20	1.189	0.06	0.195	0.232
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.79	25.40	1.151	0.01	0.292	0.336
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.78	24.40	1.153	0.04	0.222	0.256
84	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.79	25.40	1.151	0.03	0.293	0.337
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.78	24.40	1.153	-0.03	0.229	0.264
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.92	25.40	1.117	0.02	0.221	0.247
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.96	24.40	1.107	0	0.182	0.201
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.92	25.40	1.117	-0.13	0.223	0.249
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.96	24.40	1.107	0.05	0.184	0.204

<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	5/6	40185	2549.5	24.80	25.40	1.148	62.9	1.006	0.02	0.455	0.526
	LTE Band 41_Ant 2	20M	QPSK	50	50	Front	10mm	5/6	40185	2549.5	22.86	23.40	1.132	62.9	1.006	0	0.290	0.330
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	40185	2549.5	24.80	25.40	1.148	62.9	1.006	0.05	0.527	0.609
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	39750	2506	24.29	25.40	1.291	62.9	1.006	-0.01	0.557	0.724
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	40620	2593	24.59	25.40	1.205	62.9	1.006	0.07	0.617	0.748
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	41055	2636.5	24.54	25.40	1.219	62.9	1.006	0	0.639	0.784
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	41490	2680	24.58	25.40	1.208	62.9	1.006	0.1	0.500	0.608
	LTE Band 41_Ant 2	20M	QPSK	50	50	Back	10mm	5/6	40185	2549.5	22.86	23.40	1.132	62.9	1.006	0.05	0.332	0.378
	LTE Band 41 HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	41055	2636.5	25.99	26.90	1.233	42.9	1.009	-0.04	0.602	0.749
	LTE Band 41C_Ant 2	20M	QPSK	1	0	Back	10mm	5/6	40620+40422	2593	23.58	23.90	1.076	62.9	1.006	0	0.420	0.455
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	23.58	24.20	1.153	62.9	1.006	0.01	0.705	0.818
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	39750	2506	23.04	24.20	1.306	62.9	1.006	0.02	0.715	0.940
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40620	2593	23.27	24.20	1.239	62.9	1.006	-0.03	0.650	0.810
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41055	2636.5	23.00	24.20	1.318	62.9	1.006	0.05	0.731	0.969
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41490	2680	23.33	24.20	1.222	62.9	1.006	0.04	0.679	0.835
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	40185	2549.5	22.61	23.20	1.146	62.9	1.006	-0.05	0.571	0.658
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	39750	2506	22.04	23.20	1.306	62.9	1.006	0.09	0.620	0.815
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	40620	2593	22.32	23.20	1.225	62.9	1.006	-0.08	0.552	0.680
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	41055	2636.5	21.91	23.20	1.346	62.9	1.006	0.05	0.614	0.831
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	41490	2680	22.37	23.20	1.211	62.9	1.006	0.07	0.574	0.699
	LTE Band 41_Ant 0	20M	QPSK	100	0	Front	10mm	5	40185	2549.5	22.61	23.20	1.146	62.9	1.006	-0.02	0.579	0.667
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	23.58	24.20	1.153	62.9	1.006	0.01	0.828	0.961
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	39750	2506	23.04	24.20	1.306	62.9	1.006	-0.06	0.802	1.054
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	23.27	24.20	1.239	62.9	1.006	-0.02	0.784	0.977
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	23.00	24.20	1.318	62.9	1.006	-0.17	0.834	1.106
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	23.33	24.20	1.222	62.9	1.006	0.01	0.810	0.996
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	40185	2549.5	22.61	23.20	1.146	62.9	1.006	0.07	0.689	0.794
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	39750	2506	22.04	23.20	1.306	62.9	1.006	0.02	0.658	0.865
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	40620	2593	22.32	23.20	1.225	62.9	1.006	0.03	0.657	0.809
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	41055	2636.5	21.91	23.20	1.346	62.9	1.006	-0.05	0.698	0.945
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	41490	2680	22.37	23.20	1.211	62.9	1.006	-0.08	0.690	0.840
	LTE Band 41_Ant 0	20M	QPSK	100	0	Back	10mm	5	41490	2680	22.33	23.20	1.222	62.9	1.006	0.1	0.698	0.858
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	25.25	25.80	1.135	42.9	1.009	0.09	0.831	0.952
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	39750	2506	24.66	25.80	1.300	42.9	1.009	0.02	0.809	1.061
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	24.87	25.80	1.239	42.9	1.009	-0.03	0.768	0.960
85	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	24.53	25.80	1.340	42.9	1.009	-0.12	0.831	1.123
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	24.95	25.80	1.216	42.9	1.009	0.01	0.808	0.992
	LTE Band 41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620+40422	2593	23.27	23.90	1.156	62.9	1.006	0.04	0.727	0.846

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 0	20M	QPSK	1	0	Front	10mm	6	40185	2549.5	22.62	23.00	1.091	62.9	1.006	0.03	0.583	0.640
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	39750	2506	22.04	23.00	1.247	62.9	1.006	0.05	0.580	0.728
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	40620	2593	22.49	23.00	1.125	62.9	1.006	0.04	0.533	0.603
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	41055	2636.5	22.23	23.00	1.194	62.9	1.006	0.12	0.635	0.763
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	41490	2680	22.49	23.00	1.125	62.9	1.006	-0.02	0.564	0.638
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	40185	2549.5	22.61	23.00	1.094	62.9	1.006	-0.07	0.572	0.629
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	39750	2506	22.03	23.00	1.250	62.9	1.006	0.05	0.574	0.722
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	40620	2593	22.37	23.00	1.156	62.9	1.006	0.1	0.538	0.626
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	41055	2636.5	21.96	23.00	1.271	62.9	1.006	0.03	0.594	0.759
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	41490	2680	22.37	23.00	1.156	62.9	1.006	0.08	0.557	0.648
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	22.62	23.00	1.091	62.9	1.006	-0.07	0.720	0.791
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	39750	2506	22.04	23.00	1.247	62.9	1.006	0.05	0.698	0.876
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	22.49	23.00	1.125	62.9	1.006	-0.02	0.667	0.755
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	22.23	23.00	1.194	62.9	1.006	-0.09	0.746	0.896
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	22.49	23.00	1.125	62.9	1.006	0.1	0.727	0.822
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	40185	2549.5	22.61	23.00	1.094	62.9	1.006	0.07	0.706	0.777
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	39750	2506	22.03	23.00	1.250	62.9	1.006	0.02	0.677	0.852
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	40620	2593	22.37	23.00	1.156	62.9	1.006	0.05	0.716	0.833
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	41055	2636.5	21.96	23.00	1.271	62.9	1.006	-0.03	0.697	0.891
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	41490	2680	22.37	23.00	1.156	62.9	1.006	0.02	0.729	0.848
	LTE Band 41_Ant 0	20M	QPSK	100	0	Back	10mm	6	41490	2680	22.32	23.00	1.169	62.9	1.006	0	0.728	0.857
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	24.22	24.60	1.091	42.9	1.009	0.04	0.632	0.696
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	39750	2506	23.45	24.60	1.303	42.9	1.009	0.07	0.619	0.814
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	23.90	24.60	1.175	42.9	1.009	-0.06	0.592	0.702
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	23.60	24.60	1.259	42.9	1.009	-0.18	0.661	0.840
	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	23.95	24.60	1.161	42.9	1.009	0.07	0.603	0.707
	LTE Band 41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620+40422	2593	21.28	23.00	1.486	62.9	1.006	0.02	0.506	0.756
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	56640	3690	25.13	25.40	1.064	62.9	1.006	0.01	0.596	0.638
86	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	55340	3560	24.30	25.40	1.288	62.9	1.006	-0.02	0.887	1.150
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	55830	3609	24.69	25.40	1.178	62.9	1.006	0.05	0.759	0.899
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	56150	3641	24.88	25.40	1.127	62.9	1.006	-0.02	0.736	0.835
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	5	56640	3690	24.11	24.40	1.069	62.9	1.006	0.04	0.497	0.535
	LTE Band 48_Ant 6	20M	QPSK	100	0	Front	10mm	5	56640	3690	24.01	24.40	1.094	62.9	1.006	-0.05	0.486	0.535
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5	55830	3609	24.69	25.40	1.178	62.9	1.006	-0.01	0.402	0.476
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	5	55830	3609	23.69	24.40	1.178	62.9	1.006	0.07	0.356	0.422
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	56640	3690	23.69	24.30	1.151	62.9	1.006	0.01	0.512	0.593
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	55340	3560	23.68	24.30	1.153	62.9	1.006	0.03	0.709	0.823
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	55830	3609	23.56	24.30	1.186	62.9	1.006	0	0.639	0.762
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	56150	3641	23.41	24.30	1.227	62.9	1.006	-0.02	0.604	0.746
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	6	56640	3690	23.61	24.30	1.172	62.9	1.006	0.05	0.501	0.591
	LTE Band 48_Ant 6	20M	QPSK	100	0	Front	10mm	6	56640	3690	23.56	24.30	1.186	62.9	1.006	0.01	0.491	0.586
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	6	55830	3609	23.56	24.30	1.186	62.9	1.006	-0.03	0.352	0.420
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	6	55830	3609	23.55	24.30	1.189	62.9	1.006	-0.04	0.351	0.420
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5/6	56640	3690	23.88	24.80	1.236	62.9	1.006	0.02	0.406	0.505
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5/6	55340	3560	23.15	24.80	1.462	62.9	1.006	-0.03	0.366	0.538
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5/6	55830	3609	23.41	24.80	1.377	62.9	1.006	0.01	0.282	0.391
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5/6	56150	3641	23.59	24.80	1.321	62.9	1.006	-0.03	0.347	0.461
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	5/6	56640	3690	22.82	23.80	1.253	62.9	1.006	0.05	0.316	0.398
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5/6	56640	3690	23.88	24.80	1.236	62.9	1.006	-0.04	0.264	0.328
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	5/6	56640	3690	22.82	23.80	1.253	62.9	1.006	0.1	0.223	0.281

<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	22.14	23.00	1.219	0.05	0.765	0.933
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	5	372000	1860	22.05	23.00	1.245	0	0.616	0.767
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	5	380000	1900	22.06	23.00	1.242	0.03	0.888	1.103
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	376000	1880	21.95	23.00	1.274	0.01	0.704	0.897
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	372000	1860	21.93	23.00	1.279	0.05	0.585	0.748
87	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	380000	1900	21.86	23.00	1.300	0.11	0.869	1.130
	FR1 n2_Ant 1	20M	BPSK	100	0	Front	10mm	5	376000	1880	21.90	23.00	1.288	0.12	0.744	0.958
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	376000	1880	22.14	23.00	1.219	-0.01	0.812	0.990
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	372000	1860	22.05	23.00	1.245	-0.06	0.649	0.808
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	380000	1900	22.06	23.00	1.242	0.05	0.544	0.675
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	376000	1880	21.95	23.00	1.274	0.02	0.742	0.945
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	372000	1860	21.93	23.00	1.279	0.07	0.631	0.807
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	380000	1900	21.86	23.00	1.300	-0.05	0.516	0.671
	FR1 n2_Ant 1	20M	BPSK	100	0	Back	10mm	5	376000	1880	21.90	23.00	1.288	-0.03	0.720	0.928
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	376000	1880	21.18	21.80	1.153	0.01	0.623	0.719
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	372000	1860	21.11	21.80	1.172	0.05	0.513	0.601
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	380000	1900	21.14	21.80	1.164	0.07	0.718	0.836
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	6	376000	1880	20.94	21.80	1.219	-0.03	0.587	0.716
	FR1 n2_Ant 1	20M	BPSK	100	0	Front	10mm	6	376000	1880	20.91	21.80	1.227	0.02	0.574	0.705
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	376000	1880	21.18	21.80	1.153	-0.04	0.531	0.612
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	6	376000	1880	20.94	21.80	1.219	0.1	0.516	0.629
	FR1 n2_Ant 5	20M	BPSK	1	53	Front	10mm	5/6	376000	1880	23.96	25.20	1.330	0.05	0.313	0.416
	FR1 n2_Ant 5	20M	BPSK	50	28	Front	10mm	5/6	376000	1880	23.83	25.20	1.371	-0.1	0.295	0.404
	FR1 n2_Ant 5	20M	BPSK	1	53	Back	10mm	5/6	376000	1880	23.96	25.20	1.330	-0.05	0.421	0.560
	FR1 n2_Ant 5	20M	BPSK	50	28	Back	10mm	5/6	376000	1880	23.83	25.20	1.371	-0.16	0.498	0.683
	FR1 n5_Ant 0	20M	BPSK	1	53	Front	10mm	5/6	167300	836.5	24.66	25.40	1.186	-0.03	0.279	0.331
	FR1 n5_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	167300	836.5	24.55	25.40	1.216	-0.1	0.270	0.328
	FR1 n5_Ant 0	20M	BPSK	1	53	Back	10mm	5/6	167300	836.5	24.66	25.40	1.186	-0.1	0.309	0.366
	FR1 n5_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	167300	836.5	24.55	25.40	1.216	-0.04	0.299	0.364
	FR1 n5_Ant 1	20M	BPSK	1	53	Front	10mm	5/6	167300	836.5	24.68	25.40	1.180	-0.04	0.320	0.378
	FR1 n5_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	167300	836.5	24.59	25.40	1.205	0.06	0.312	0.376
	FR1 n5_Ant 1	20M	BPSK	1	53	Back	10mm	5/6	167300	836.5	24.68	25.40	1.180	0.03	0.449	0.530
88	FR1 n5_Ant 1	20M	BPSK	1	53	Back	10mm	5/6	167300	836.5	24.68	25.40	1.180	-0.14	0.454	0.536

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	23.46	24.20	1.186	0.03	0.558	0.662
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	5	507000	2535	23.20	24.20	1.259	-0.1	0.509	0.641
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	5	507000	2535	23.46	24.20	1.186	-0.16	0.653	0.774
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	5	507000	2535	23.20	24.20	1.259	-0.12	0.605	0.762
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	6	507000	2535	22.47	23.00	1.130	0.02	0.507	0.573
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	6	507000	2535	22.25	23.00	1.189	-0.03	0.431	0.512
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	6	507000	2535	22.47	23.00	1.130	-0.18	0.579	0.654
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	6	507000	2535	22.25	23.00	1.189	0.02	0.491	0.584
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	5	507000	2535	19.43	21.20	1.503	0.02	0.638	0.959
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	5	507000	2535	19.35	21.20	1.531	-0.03	0.620	0.949
	FR1 n7_Ant 0	50M	BPSK	270	0	Front	10mm	5	507000	2535	19.28	21.20	1.556	-0.01	0.614	0.955
89	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	5	507000	2535	19.43	21.20	1.503	-0.1	0.712	1.070
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	5	507000	2535	19.35	21.20	1.531	-0.12	0.681	1.043
	FR1 n7_Ant 0	50M	BPSK	270	0	Back	10mm	5	507000	2535	19.28	21.20	1.556	-0.09	0.660	1.027
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	6	507000	2535	19.43	20.00	1.140	0.02	0.638	0.727
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	6	507000	2535	19.35	20.00	1.161	-0.03	0.620	0.720
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	6	507000	2535	19.43	20.00	1.140	-0.1	0.712	0.812
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	6	507000	2535	19.35	20.00	1.161	-0.12	0.681	0.791
	FR1 n7_Ant 0	50M	BPSK	270	0	Back	10mm	6	507000	2535	19.28	20.00	1.180	-0.09	0.660	0.779
	FR1 n12_Ant 0	15M	BPSK	1	77	Front	10mm	5/6	141500	707.5	24.75	25.40	1.161	0.01	0.333	0.387
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.72	25.40	1.169	0.03	0.319	0.373
90	FR1 n12_Ant 0	15M	BPSK	1	77	Back	10mm	5/6	141500	707.5	24.75	25.40	1.161	-0.08	0.380	0.441
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.72	25.40	1.169	-0.15	0.354	0.414
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.74	25.40	1.164	0.03	0.255	0.297
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.73	25.40	1.167	0.08	0.254	0.296
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.74	25.40	1.164	-0.16	0.301	0.350
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.73	25.40	1.167	-0.14	0.304	0.355
	FR1 n14_Ant 0	10M	BPSK	1	26	Front	10mm	5/6	158600	793	24.92	25.40	1.117	-0.1	0.487	0.544
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	5/6	158600	793	24.79	25.40	1.151	-0.12	0.370	0.426
91	FR1 n14_Ant 0	10M	BPSK	1	26	Back	10mm	5/6	158600	793	24.92	25.40	1.117	0.08	0.544	0.608
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	5/6	158600	793	24.79	25.40	1.151	-0.1	0.441	0.508
	FR1 n14_Ant 1	10M	BPSK	1	26	Front	10mm	5/6	158600	793	24.96	25.40	1.107	-0.01	0.224	0.248
	FR1 n14_Ant 1	10M	BPSK	25	14	Front	10mm	5/6	158600	793	24.83	25.40	1.140	-0.06	0.180	0.205
	FR1 n14_Ant 1	10M	BPSK	1	26	Back	10mm	5/6	158600	793	24.96	25.40	1.107	-0.08	0.283	0.313
	FR1 n14_Ant 1	10M	BPSK	25	14	Back	10mm	5/6	158600	793	24.83	25.40	1.140	-0.1	0.228	0.260

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	108	Front	10mm	5	376500	1882.5	23.58	24.50	1.236	0.02	0.479	0.592
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	23.54	24.50	1.247	0.01	0.480	0.599
92	FR1 n25_Ant 2	40M	BPSK	1	108	Back	10mm	5	376500	1882.5	23.58	24.50	1.236	0.05	0.747	0.923
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	23.54	24.50	1.247	0	0.727	0.907
	FR1 n25_Ant 2	40M	BPSK	216	0	Back	10mm	5	376500	1882.5	23.44	24.50	1.276	0.06	0.718	0.916
	FR1 n25_Ant 2	40M	BPSK	1	108	Front	10mm	6	376500	1882.5	22.27	23.30	1.268	0.02	0.379	0.480
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	22.23	23.30	1.279	0	0.387	0.495
	FR1 n25_Ant 2	40M	BPSK	1	108	Back	10mm	6	376500	1882.5	22.27	23.30	1.268	-0.15	0.641	0.813
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	22.23	23.30	1.279	-0.01	0.575	0.736
	FR1 n25_Ant 2	40M	BPSK	216	0	Back	10mm	6	376500	1882.5	22.26	23.30	1.271	0.02	0.542	0.689
	FR1 n25_Ant 0	40M	BPSK	1	108	Front	10mm	5	376500	1882.5	19.35	20.30	1.245	0.11	0.490	0.610
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	19.34	20.30	1.247	0.06	0.501	0.625
	FR1 n25_Ant 0	40M	BPSK	1	108	Back	10mm	5	376500	1882.5	19.35	20.30	1.245	-0.15	0.449	0.559
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	19.34	20.30	1.247	0.09	0.436	0.544
	FR1 n25_Ant 0	40M	BPSK	1	108	Front	10mm	6	376500	1882.5	18.58	19.10	1.127	0	0.422	0.476
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	18.43	19.10	1.167	0.12	0.419	0.489
	FR1 n25_Ant 0	40M	BPSK	1	108	Back	10mm	6	376500	1882.5	18.58	19.10	1.127	0.11	0.382	0.431
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	18.43	19.10	1.167	-0.07	0.365	0.426
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	5	462000	2310	22.26	23.20	1.242	0.03	0.570	0.708
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	5	462000	2310	22.19	23.20	1.262	-0.11	0.564	0.712
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	5	462000	2310	22.26	23.20	1.242	0.12	0.608	0.755
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	5	462000	2310	22.19	23.20	1.262	-0.03	0.594	0.750
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	6	462000	2310	21.28	22.00	1.180	0.01	0.466	0.550
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	6	462000	2310	21.26	22.00	1.186	0.03	0.442	0.524
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	6	462000	2310	21.28	22.00	1.180	0.07	0.491	0.580
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	6	462000	2310	21.26	22.00	1.186	-0.1	0.477	0.566
	FR1 n30_Ant 0	10M	BPSK	1	26	Front	10mm	5	462000	2310	20.23	21.50	1.340	0.01	0.704	0.943
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	5	462000	2310	20.15	21.50	1.365	-0.09	0.684	0.933
	FR1 n30_Ant 0	10M	BPSK	50	0	Back	10mm	5	462000	2310	20.13	21.50	1.371	-0.11	0.672	0.921
93	FR1 n30_Ant 0	10M	BPSK	1	26	Back	10mm	5	462000	2310	20.23	21.50	1.340	-0.04	0.777	1.041
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	5	462000	2310	20.15	21.50	1.365	-0.03	0.758	1.034
	FR1 n30_Ant 0	10M	BPSK	50	0	Back	10mm	5	462000	2310	20.13	21.50	1.371	-0.06	0.726	0.995
	FR1 n30_Ant 0	10M	BPSK	1	26	Front	10mm	6	462000	2310	19.24	20.30	1.276	0.02	0.557	0.711
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	6	462000	2310	19.16	20.30	1.300	-0.11	0.518	0.673
	FR1 n30_Ant 0	10M	BPSK	1	26	Back	10mm	6	462000	2310	19.24	20.30	1.276	-0.07	0.617	0.788
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	6	462000	2310	19.16	20.30	1.300	-0.19	0.583	0.758

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	23.34	24.50	1.306	0.14	0.510	0.666
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	5	349000	1745	23.28	24.50	1.324	-0.08	0.370	0.490
	FR1 n66_Ant 2	40M	BPSK	1	108	Back	10mm	5	349000	1745	23.34	24.50	1.306	-0.14	0.659	0.861
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	5	349000	1745	23.28	24.50	1.324	0.15	0.551	0.730
	FR1 n66_Ant 2	40M	BPSK	216	0	Back	10mm	5	349000	1745	23.04	24.50	1.400	-0.02	0.638	0.893
	FR1 n66_Ant 2	40M	BPSK	1	108	Front	10mm	6	349000	1745	22.28	23.30	1.265	0.07	0.358	0.453
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	6	349000	1745	22.18	23.30	1.294	-0.06	0.374	0.484
	FR1 n66_Ant 2	40M	BPSK	1	108	Back	10mm	6	349000	1745	22.28	23.30	1.265	-0.02	0.530	0.670
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	6	349000	1745	22.18	23.30	1.294	0.05	0.471	0.610
94	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	5	349000	1745	19.17	20.70	1.422	0.08	0.682	0.970
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	5	349000	1745	19.16	20.70	1.426	0.11	0.626	0.892
	FR1 n66_Ant 0	40M	BPSK	216	0	Front	10mm	5	349000	1745	19.06	20.70	1.459	-0.09	0.616	0.899
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	5	349000	1745	19.17	20.70	1.422	0.04	0.630	0.896
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	5	349000	1745	19.16	20.70	1.426	0.15	0.591	0.843
	FR1 n66_Ant 0	40M	BPSK	216	0	Back	10mm	5	349000	1745	19.06	20.70	1.459	0.17	0.591	0.862
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	6	349000	1745	19.17	19.50	1.079	0.08	0.682	0.736
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	6	349000	1745	19.16	19.50	1.081	0.11	0.626	0.677
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	6	349000	1745	19.17	19.50	1.079	0.04	0.630	0.680
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	6	349000	1745	19.16	19.50	1.081	0.15	0.591	0.639
	FR1 n66_Ant 1	40M	BPSK	1	108	Front	10mm	5	349000	1745	24.94	25.10	1.038	0.02	0.841	0.873
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	5	349000	1745	24.78	25.10	1.076	0.1	0.826	0.889
	FR1 n66_Ant 1	40M	BPSK	216	0	Front	10mm	5	349000	1745	24.20	24.60	1.096	0	0.719	0.788
	FR1 n66_Ant 1	40M	BPSK	1	108	Back	10mm	5	349000	1745	24.94	25.10	1.038	-0.03	0.783	0.812
	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	5	349000	1745	24.78	25.10	1.076	0.05	0.785	0.845
	FR1 n66_Ant 1	40M	BPSK	216	0	Back	10mm	5	349000	1745	24.20	24.60	1.096	0.04	0.648	0.711
	FR1 n66_Ant 1	40M	BPSK	1	108	Front	10mm	6	349000	1745	23.37	23.90	1.130	0	0.589	0.665
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	6	349000	1745	23.37	23.90	1.130	0.02	0.555	0.627
	FR1 n66_Ant 1	40M	BPSK	1	108	Back	10mm	6	349000	1745	23.37	23.90	1.130	-0.01	0.549	0.620
	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	6	349000	1745	23.37	23.90	1.130	-0.06	0.495	0.559
	FR1 n66_Ant 5	40M	BPSK	1	108	Front	10mm	5/6	349000	1745	24.28	25.20	1.236	0.04	0.427	0.528
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	5/6	349000	1745	24.13	25.20	1.279	0.01	0.410	0.525
	FR1 n66_Ant 5	40M	BPSK	1	108	Back	10mm	5/6	349000	1745	24.28	25.20	1.236	0.05	0.493	0.609
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	5/6	349000	1745	24.13	25.20	1.279	-0.13	0.479	0.613
	FR1 n71_Ant 0	20M	BPSK	1	53	Front	10mm	5/6	136100	680.5	24.88	25.40	1.127	0.05	0.281	0.317
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.76	25.40	1.159	0.06	0.265	0.307
95	FR1 n71_Ant 0	20M	BPSK	1	53	Back	10mm	5/6	136100	680.5	24.88	25.40	1.127	-0.16	0.297	0.335
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.76	25.40	1.159	-0.05	0.287	0.333
	FR1 n71_Ant 1	20M	BPSK	1	53	Front	10mm	5/6	136100	680.5	24.85	25.40	1.135	0.02	0.225	0.255
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.72	25.40	1.169	-0.01	0.217	0.254
	FR1 n71_Ant 1	20M	BPSK	1	53	Back	10mm	5/6	136100	680.5	24.85	25.40	1.135	-0.12	0.243	0.276
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.72	25.40	1.169	0.08	0.235	0.275

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	23.76	24.40	1.159	0.02	0.790	0.915
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	22.99	24.40	1.384	0	0.584	0.808
	FR1 n41_Ant 2	100M	BPSK	270	0	Front	10mm	5	518598	2592.99	22.70	24.40	1.479	0.05	0.571	0.845
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	23.76	24.40	1.159	-0.01	0.869	1.007
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	22.99	24.40	1.384	-0.03	0.698	0.966
	FR1 n41_Ant 2	100M	BPSK	270	0	Back	10mm	5	518598	2592.99	22.70	24.40	1.479	-0.02	0.631	0.933
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.30	23.20	1.230	0.02	0.529	0.651
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	21.55	23.20	1.462	0	0.396	0.579
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	22.30	23.20	1.230	-0.09	0.622	0.765
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	21.55	23.20	1.462	0.05	0.496	0.725
96	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.16	22.90	1.186	-0.01	0.958	1.136
	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	20.93	22.90	1.574	-0.06	0.705	1.110
	FR1 n41_Ant 0	100M	BPSK	270	0	Front	10mm	5	518598	2592.99	20.98	22.90	1.556	-0.11	0.693	1.078
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.16	22.90	1.186	-0.16	0.895	1.061
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	20.93	22.90	1.574	0.1	0.702	1.105
	FR1 n41_Ant 0	100M	BPSK	270	0	Back	10mm	5	518598	2592.99	20.98	22.90	1.556	0.15	0.707	1.100
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.18	21.70	1.127	-0.01	0.749	0.844
	FR1 n41_Ant 0	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	20.01	21.70	1.476	0.03	0.560	0.826
	FR1 n41_Ant 0	100M	BPSK	270	0	Front	10mm	6	518598	2592.99	20.02	21.70	1.472	-0.11	0.550	0.810
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.18	21.70	1.127	-0.16	0.711	0.801
	FR1 n41_Ant 0	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	20.01	21.70	1.476	0.13	0.558	0.823
	FR1 n41_Ant 0	100M	BPSK	270	0	Back	10mm	6	518598	2592.99	20.02	21.70	1.472	-0.09	0.562	0.827
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.51	24.2	1.476	-0.18	0.540	0.797
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	22.89	24.2	1.352	0.05	0.428	0.579
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.51	24.2	1.476	0.02	0.451	0.666
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	22.89	24.2	1.352	-0.01	0.390	0.527
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.51	23	1.119	-0.18	0.540	0.604
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	22.89	23	1.026	0.05	0.428	0.439
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	22.51	23	1.119	0.02	0.451	0.505
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	22.89	23	1.026	-0.01	0.390	0.400
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	21.63	23.5	1.538	-0.1	0.328	0.505
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	21.78	23.5	1.486	0.01	0.272	0.404
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	21.63	23.5	1.538	0	0.286	0.440
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	21.78	23.5	1.486	0.05	0.248	0.369
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.63	22.3	1.167	-0.1	0.328	0.383
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	21.78	22.3	1.127	0.01	0.272	0.307
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.63	22.3	1.167	0	0.286	0.334
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	21.78	22.3	1.127	0.05	0.248	0.280

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)
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	0.01	0.913	1.053
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	5	637000	3555	23.10	23.90	1.202	100	1.000	0.13	0.896	1.077
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	5	646332	3694.98	23.22	23.90	1.169	100	1.000	0.15	0.898	1.050
97	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	-0.05	0.998	1.151
	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	5	637000	3555	23.21	23.90	1.172	100	1.000	-0.08	0.962	1.128
	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	5	646332	3694.98	23.16	23.90	1.186	100	1.000	-0.17	0.969	1.149
	FR1 n48_Ant 6	10M	BPSK	24	0	Front	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	0.02	0.972	1.121
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	-0.03	0.742	0.856
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	5	637000	3555	23.10	23.90	1.202	100	1.000	0.15	0.726	0.873
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	5	646332	3694.98	23.22	23.90	1.169	100	1.000	0.13	0.727	0.850
	FR1 n48_Ant 6	10M	BPSK	12	6	Back	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	0.1	0.666	0.768
	FR1 n48_Ant 6	10M	BPSK	12	6	Back	10mm	5	637000	3555	23.21	23.90	1.172	100	1.000	0.1	0.651	0.763
	FR1 n48_Ant 6	10M	BPSK	12	6	Back	10mm	5	646332	3694.98	23.16	23.90	1.186	100	1.000	0.1	0.649	0.770
	FR1 n48_Ant 6	10M	BPSK	24	0	Back	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	0.1	0.655	0.756
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	23.28	23.90	1.153	100	1.000	0.01	0.961	1.108
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	6	641666	3624.99	22.28	22.70	1.102	100	1.000	0.01	0.745	0.821
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	6	637000	3555	22.06	22.70	1.159	100	1.000	0.13	0.731	0.847
	FR1 n48_Ant 6	10M	BPSK	1	1	Front	10mm	6	646332	3694.98	22.23	22.70	1.114	100	1.000	0.15	0.733	0.817
	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	6	641666	3624.99	22.27	22.70	1.104	100	1.000	-0.12	0.811	0.895
	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	6	637000	3555	22.22	22.70	1.117	100	1.000	-0.08	0.785	0.877
	FR1 n48_Ant 6	10M	BPSK	12	6	Front	10mm	6	646332	3694.98	22.20	22.70	1.122	100	1.000	-0.17	0.792	0.889
	FR1 n48_Ant 6	10M	BPSK	24	0	Front	10mm	6	641666	3624.99	22.26	22.70	1.107	100	1.000	0.02	0.793	0.878
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	6	641666	3624.99	22.28	22.70	1.102	100	1.000	-0.03	0.605	0.666
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	6	637000	3555	22.06	22.70	1.159	100	1.000	0.15	0.592	0.686
	FR1 n48_Ant 6	10M	BPSK	1	1	Back	10mm	6	646332	3694.98	22.23	22.70	1.114	100	1.000	0.13	0.593	0.661
	FR1 n48_Ant 6	10M	BPSK	12	6	Back	10mm	6	641666	3624.99	22.27	22.70	1.104	100	1.000	0.1	0.533	0.588
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	22.27	22.70	1.104	100	1.000	0.01	0.801	0.884
	FR1 n48_Ant 7	10M	BPSK	1	1	Front	10mm	5	637000	3555	21.00	22.20	1.318	100	1.000	0.02	0.491	0.647
	FR1 n48_Ant 7	10M	BPSK	1	1	Front	10mm	5	641666	3624.99	20.93	22.20	1.340	100	1.000	0.04	0.462	0.619
	FR1 n48_Ant 7	10M	BPSK	1	1	Front	10mm	5	646332	3694.98	20.99	22.20	1.321	100	1.000	0.02	0.503	0.665
	FR1 n48_Ant 7	10M	BPSK	12	6	Front	10mm	5	637000	3555	20.98	22.20	1.324	100	1.000	-0.09	0.548	0.726
	FR1 n48_Ant 7	10M	BPSK	12	6	Front	10mm	5	641666	3624.99	20.86	22.20	1.361	100	1.000	-0.03	0.434	0.591
	FR1 n48_Ant 7	10M	BPSK	12	6	Front	10mm	5	646332	3694.98	20.98	22.20	1.324	100	1.000	0.01	0.504	0.667
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	5	637000	3555	21.00	22.20	1.318	100	1.000	0	0.336	0.443
	FR1 n48_Ant 7	10M	BPSK	12	6	Back	10mm	5	637000	3555	20.98	22.20	1.324	100	1.000	0.05	0.298	0.395
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	20.92	22.20	1.343	100	1.000	0.1	0.402	0.540
	FR1 n48_Ant 7	10M	BPSK	1	1	Front	10mm	6	637000	3555	21.00	21.00	1.000	100	1.000	0.02	0.491	0.491
	FR1 n48_Ant 7	10M	BPSK	12	6	Front	10mm	6	637000	3555	20.98	21.00	1.005	100	1.000	-0.09	0.548	0.551
	FR1 n48_Ant 7	10M	BPSK	1	1	Back	10mm	6	637000	3555	21.00	21.00	1.000	100	1.000	0	0.336	0.336
	FR1 n48_Ant 7	10M	BPSK	12	6	Back	10mm	6	637000	3555	20.98	21.00	1.005	100	1.000	0.05	0.298	0.299
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	20.96	21.00	1.009	100	1.000	0.1	0.402	0.406
	FR1 n48_Ant 1	10M	QPSK	1	1	Front	10mm	5/6	641666	3624.99	20.09	20.50	1.099	100	1.000	0.01	0.166	0.182
	FR1 n48_Ant 1	10M	QPSK	12	6	Front	10mm	5/6	641666	3624.99	19.92	20.50	1.143	100	1.000	0	0.148	0.169
	FR1 n48_Ant 1	10M	QPSK	1	1	Back	10mm	5/6	641666	3624.99	20.09	20.50	1.099	100	1.000	-0.02	0.065	0.071
	FR1 n48_Ant 1	10M	QPSK	12	6	Back	10mm	5/6	641666	3624.99	19.92	20.50	1.143	100	1.000	-0.07	0.058	0.066
	FR1 n48_Ant 1	40M	QPSK	53	26	Front	10mm	5/6	641666	3624.99	19.87	20.00	1.030	100	1.000	0.01	0.151	0.156
	FR1 n48_Ant 5	10M	QPSK	1	1	Front	10mm	5/6	641666	3624.99	18.96	19.20	1.057	100	1.000	-0.12	0.141	0.149
	FR1 n48_Ant 5	10M	QPSK	12	6	Front	10mm	5/6	641666	3624.99	18.87	19.20	1.080	100	1.000	0.05	0.140	0.151
	FR1 n48_Ant 5	10M	QPSK	1	1	Back	10mm	5/6	641666	3624.99	18.96	19.20	1.057	100	1.000	-0.05	0.126	0.133
	FR1 n48_Ant 5	10M	QPSK	12	6	Back	10mm	5/6	641666	3624.99	18.87	19.20	1.080	100	1.000	-0.11	0.111	0.120
	FR1 n48_Ant 5	40M	QPSK	53	26	Front	10mm	5/6	641666	3624.99	19.17	19.20	1.007	100	1.000	0.11	0.136	0.137

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 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	23.70	24.10	1.096	0.19	0.644	0.706
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	656000	3840	23.12	24.10	1.253	0.03	0.524	0.657
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	656000	3840	23.70	24.10	1.096	-0.04	0.429	0.470
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	656000	3840	23.12	24.10	1.253	-0.05	0.383	0.480
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	22.44	22.90	1.112	0.14	0.488	0.543
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	656000	3840	22.08	22.90	1.208	0.05	0.413	0.499
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	656000	3840	22.44	22.90	1.112	-0.06	0.306	0.340
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	656000	3840	22.08	22.90	1.208	0.03	0.292	0.353
98	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	23.27	24.10	1.211	0.12	0.785	0.950
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	22.81	24.10	1.346	0.02	0.594	0.799
	FR1 n77_Ant 6	100M	BPSK	270	0	Front	10mm	5	633332	3499.98	22.90	23.60	1.175	0.03	0.516	0.606
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	23.27	24.10	1.211	-0.01	0.445	0.539
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	22.81	24.10	1.346	-0.05	0.403	0.542
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	22.24	22.90	1.164	0.01	0.560	0.652
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	21.79	22.90	1.291	-0.01	0.528	0.682
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	22.24	22.90	1.164	0.05	0.446	0.519
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	21.79	22.90	1.291	-0.03	0.373	0.482
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5/6	656000	3840	22.80	23.50	1.175	-0.02	0.705	0.828
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5/6	656000	3840	22.24	23.50	1.337	0.01	0.521	0.696
	FR1 n77_Ant 7	100M	BPSK	270	0	Front	10mm	5/6	656000	3840	21.85	23.00	1.303	0	0.492	0.641
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5/6	656000	3840	22.80	23.50	1.175	0.05	0.440	0.517
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5/6	656000	3840	22.24	23.50	1.337	-0.03	0.344	0.460
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5/6	633332	3499.98	22.00	23.50	1.413	-0.1	0.395	0.558
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5/6	633332	3499.98	21.72	23.50	1.507	-0.15	0.520	0.783
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5/6	633332	3499.98	22.00	23.50	1.413	0.03	0.309	0.436
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5/6	633332	3499.98	21.72	23.50	1.507	-0.04	0.372	0.560
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5/6	656000	3840	24.57	25.4	1.211	-0.12	0.615	0.745
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5/6	656000	3840	23.65	25.4	1.496	-0.03	0.546	0.817
	FR1 n77_Ant 1	100M	BPSK	270	0	Front	10mm	5/6	656000	3840	23.73	24.9	1.309	0.05	0.543	0.711
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5/6	656000	3840	24.57	25.4	1.211	0.01	0.121	0.146
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5/6	656000	3840	23.65	25.4	1.496	0	0.095	0.142
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5/6	633332	3499.98	24.44	25.4	1.247	-0.05	0.347	0.433
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5/6	633332	3499.98	23.59	25.4	1.517	0.01	0.264	0.401
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5/6	633332	3499.98	24.44	25.4	1.247	0	0.249	0.311
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5/6	633332	3499.98	23.59	25.4	1.517	0.05	0.157	0.238
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5/6	656000	3840	24.33	24.8	1.114	-0.03	0.448	0.499
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5/6	656000	3840	23.69	24.8	1.291	0.01	0.382	0.493
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5/6	656000	3840	24.33	24.8	1.114	0	0.413	0.460
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5/6	656000	3840	23.69	24.8	1.291	0.05	0.347	0.448
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5/6	633332	3499.98	24.22	24.8	1.143	-0.12	0.569	0.650
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5/6	633332	3499.98	23.54	24.8	1.337	0.1	0.480	0.642
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5/6	633332	3499.98	24.22	24.8	1.143	0.05	0.558	0.638
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5/6	633332	3499.98	23.54	24.8	1.337	-0.11	0.441	0.589

<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	1	2412	22.95	23.00	1.012	98.90	1.011	0.02	0.560	0.573
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	1	2412	22.95	23.00	1.012	98.90	1.011	0.08	0.607	0.621
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	6	2437	22.85	23.00	1.035	98.90	1.011	0.06	0.676	0.707
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	11	2462	22.65	23.00	1.084	98.90	1.011	0.04	0.610	0.668
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	12	2467	22.55	23.00	1.109	98.90	1.011	0.04	0.623	0.699
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	13	2472	22.25	23.00	1.189	98.90	1.011	0.15	0.584	0.702
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	5/6	11	2462	22.75	23.00	1.059	98.90	1.011	-0.12	0.419	0.449
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	11	2462	22.75	23.00	1.059	98.90	1.011	-0.15	0.450	0.482
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	1	2412	21.85	22.00	1.035	98.90	1.011	-0.11	0.289	0.302
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	6	2437	22.75	23.00	1.059	98.90	1.011	-0.19	0.377	0.404
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	12	2467	22.55	23.00	1.109	98.90	1.011	-0.14	0.389	0.436
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	5/6	6	2437	22.95	23.00	1.012	93.40	1.071	-0.07	0.571	0.619
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	5/6	6	2437	22.05	23.00	1.245	93.40	1.071	-0.07	0.336	0.448
99	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	6	2437	22.95	23.00	1.012	93.40	1.071	0.05	0.681	0.738
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	6	2437	22.05	23.00	1.245	93.40	1.071	0.05	0.390	0.520
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	1	2412	20.00	20.00	1.000	93.40	1.071	-0.06	0.208	0.223
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	1	2412	19.65	20.00	1.084	93.40	1.071	-0.06	0.339	0.394
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	5/6	11	2462	19.95	20.00	1.012	93.40	1.071	0.14	0.316	0.342
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	5/6	11	2462	19.55	20.00	1.109	93.40	1.071	0.14	0.215	0.255
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	11	2462	20.95	21.00	1.012	98.9	1.011	0.1	0.348	0.356
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	7	11	2462	20.95	21.00	1.012	98.9	1.011	-0.13	0.435	0.445
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	7	1	2412	20.95	21.00	1.012	98.9	1.011	-0.09	0.262	0.268
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	1	2412	20.95	21.00	1.012	98.9	1.011	-0.14	0.303	0.310
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	7	1	2437	20.75	21.00	1.059	93.4	1.071	-0.03	0.354	0.402
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	7	1	2437	19.75	21.00	1.334	93.4	1.071	-0.03	0.211	0.301
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	7	6	2437	20.75	21.00	1.059	93.4	1.071	0.07	0.375	0.425
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	7	6	2437	19.75	21.00	1.334	93.4	1.071	0.07	0.231	0.330
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	6	2437	17.35	17.50	1.035	98.9	1.011	0.01	0.166	0.174
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	8	6	2437	17.35	17.50	1.035	98.9	1.011	0.04	0.170	0.178
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	8	11	2462	17.45	17.50	1.012	98.9	1.011	0	0.133	0.136
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	11	2462	17.45	17.50	1.012	98.9	1.011	-0.11	0.141	0.144
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	8	11	2462	17.45	17.50	1.012	93.4	1.071	-0.03	0.138	0.150
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	8	11	2462	17.15	17.50	1.084	93.4	1.071	-0.03	0.124	0.144
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	8	11	2462	17.45	17.50	1.012	93.4	1.071	-0.13	0.174	0.189
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	8	11	2462	17.15	17.50	1.084	93.4	1.071	-0.13	0.125	0.145

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)
100	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(4)	5/6	54	5270	18.40	18.50	1.023	96.79	1.033	0.04	0.107	0.113
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(3)	5/6	54	5270	18.30	18.50	1.047	96.79	1.033	0.04	0.522	0.565
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(4)	5/6	62	5310	16.40	17.00	1.148	96.79	1.033	-0.18	0.045	0.053
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(3)	5/6	62	5310	15.90	17.00	1.288	96.79	1.033	-0.18	0.198	0.263
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(4)	5/6	54	5270	18.40	18.50	1.023	96.79	1.033	-0.03	0.034	0.036
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(3)	5/6	54	5270	18.30	18.50	1.047	96.79	1.033	-0.03	0.225	0.243
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(4)	7/8/9	54	5270	16.40	17.50	1.288	96.79	1.033	-0.06	0.055	0.073
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+3(3)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	-0.06	0.263	0.375
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(4)	7/8/9	54	5270	16.40	17.50	1.288	96.79	1.033	0.14	0.015	0.020
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+3(3)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	0.14	0.151	0.215
101	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	5/6/7	122	5610	18.40	18.50	1.023	87.95	1.137	-0.16	0.169	0.197
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	5/6/7	122	5610	17.60	18.50	1.230	87.95	1.137	-0.16	0.331	0.463
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	5/6/7	106	5610	15.20	15.50	1.072	87.95	1.137	-0.11	0.058	0.071
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	5/6/7	106	5610	14.80	15.50	1.175	87.95	1.137	-0.11	0.146	0.195
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	5/6/7	138	5610	18.20	18.50	1.072	87.95	1.137	-0.16	0.128	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	5/6/7	138	5610	17.50	18.50	1.259	87.95	1.137	-0.16	0.280	0.401
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	5/6/7	122	5610	18.40	18.50	1.023	87.95	1.137	0.05	0.059	0.069
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	5/6/7	122	5610	17.60	18.50	1.230	87.95	1.137	0.05	0.168	0.235
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	8/9	138	5690	16.30	17.50	1.318	87.95	1.137	-0.13	0.092	0.138
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	8/9	138	5690	15.80	17.50	1.479	87.95	1.137	-0.13	0.201	0.338
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	8/9	138	5690	16.30	17.50	1.318	87.95	1.137	0.04	0.091	0.136
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	8/9	138	5690	15.80	17.50	1.479	87.95	1.137	0.04	0.132	0.222
102	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	5/6	155	5775	20.40	21.00	1.148	87.95	1.137	-0.15	0.210	0.274
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	5/6	155	5775	20.00	21.00	1.259	87.95	1.137	-0.15	0.487	0.697
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	5/6	155	5775	20.40	21.00	1.148	87.95	1.137	-0.15	0.250	0.326
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	5/6	155	5775	20.00	21.00	1.259	87.95	1.137	-0.15	0.279	0.399
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	7	155	5775	18.20	18.50	1.072	87.95	1.137	0.11	0.162	0.197
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	7	155	5775	17.70	18.50	1.202	87.95	1.137	0.11	0.306	0.418
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	7	155	5775	18.20	18.50	1.072	87.95	1.137	-0.13	0.113	0.138
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	7	155	5775	17.70	18.50	1.202	87.95	1.137	-0.13	0.089	0.122
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	8	155	5775	16.20	16.50	1.072	87.95	1.137	-0.19	0.061	0.074
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	8	155	5775	16.00	16.50	1.122	87.95	1.137	-0.19	0.182	0.232
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	8	155	5775	16.20	16.50	1.072	87.95	1.137	0	0.077	0.094
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	8	155	5775	16.00	16.50	1.122	87.95	1.137	0	0.058	0.074
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(4)	9	155	5775	16.20	17.50	1.349	87.95	1.137	-0.19	0.061	0.094
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+3(3)	9	155	5775	16.00	17.50	1.413	87.95	1.137	-0.19	0.182	0.292
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(4)	9	155	5775	16.20	17.50	1.349	87.95	1.137	0	0.077	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+3(3)	9	155	5775	16.00	17.50	1.413	87.95	1.137	0	0.058	0.093
103	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+3(4)	5/6	163	5815	19.10	20.00	1.230	87.01	1.149	-0.14	0.118	0.167
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+3(3)	5/6	163	5815	18.90	20.00	1.288	87.01	1.149	-0.14	0.277	0.410
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+3(4)	5/6	163	5815	19.10	20.00	1.230	87.01	1.149	-0.09	0.169	0.239
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+3(3)	5/6	163	5815	18.90	20.00	1.288	87.01	1.149	-0.09	0.127	0.188
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+3(4)	7/8/9	163	5815	19.10	19.50	1.096	87.01	1.149	-0.14	0.118	0.149
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 4+3(3)	7/8/9	163	5815	18.90	19.50	1.148	87.01	1.149	-0.14	0.277	0.365
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+3(4)	7/8/9	163	5815	19.10	19.50	1.096	87.01	1.149	-0.09	0.169	0.213
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 4+3(3)	7/8/9	163	5815	18.90	19.50	1.148	87.01	1.149	-0.09	0.127	0.168

<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+3(4)	5/6/7/8/9	207	6985	14.40	15.00	1.148	85.07	1.176	-0.01	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	5/6/7/8/9	207	6985	14.70	15.00	1.072	85.07	1.176	-0.01	0.095	0.120	0.734
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(4)	5/6/7/8/9	15	6025	13.10	13.50	1.096	85.07	1.176	0.06	0.021	0.027	0.157
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	5/6/7/8/9	15	6025	13.30	13.50	1.047	85.07	1.176	0.06	0.055	0.068	0.404
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(4)	5/6/7/8/9	47	6185	13.20	13.50	1.072	85.07	1.176	-0.07	0.021	0.026	0.170
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	5/6/7/8/9	47	6185	13.00	13.50	1.122	85.07	1.176	-0.07	0.037	0.049	0.294
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(4)	5/6/7/8/9	111	6505	13.50	13.50	1.000	85.07	1.176	0.05	0.015	0.018	0.098
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	5/6/7/8/9	111	6505	13.20	13.50	1.072	85.07	1.176	0.05	0.056	0.071	0.425
104	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(4)	5/6/7/8/9	175	6825	12.60	13.00	1.096	85.07	1.176	-0.07	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	5/6/7/8/9	175	6825	12.80	13.00	1.047	85.07	1.176	-0.07	0.102	0.126	0.776
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+3(4)	5/6/7/8/9	207	6985	14.40	15.00	1.148	85.07	1.176	-0.15	0.076	0.103	0.576
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+3(3)	5/6/7/8/9	207	6985	14.70	15.00	1.072	85.07	1.176	-0.15	0.023	0.029	0.124

<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	2/3	0	2402	19.64	20.00	1.086	77.22	1.079	-0.07	0.253	0.297
105	Bluetooth	1Mbps	Back	10mm	Ant 4	2/3	0	2402	19.64	20.00	1.086	77.22	1.079	-0.13	0.335	0.393
	Bluetooth	1Mbps	Back	10mm	Ant 4	2/3	39	2441	19.57	20.00	1.104	77.22	1.079	-0.02	0.274	0.326
	Bluetooth	1Mbps	Back	10mm	Ant 4	2/3	78	2480	19.55	20.00	1.109	77.22	1.079	-0.09	0.211	0.253
	Bluetooth	1Mbps	Front	10mm	Ant 3	2/3	0	2402	19.60	20.00	1.096	77.22	1.079	-0.08	0.154	0.182
	Bluetooth	1Mbps	Back	10mm	Ant 3	2/3	0	2402	19.60	20.00	1.096	77.22	1.079	-0.07	0.178	0.211
	Bluetooth	1Mbps	Back	10mm	Ant 3	2/3	39	2441	19.55	20.00	1.109	77.22	1.079	-0.06	0.154	0.184
	Bluetooth	1Mbps	Back	10mm	Ant 3	2/3	78	2480	19.52	20.00	1.117	77.22	1.079	-0.05	0.131	0.158
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	2/3	0	2402	17.33	18.50	1.309	77.22	1.079	0.01	0.210	0.297
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	2/3	0	2402	17.45	18.50	1.274	77.22	1.079	0.01	0.114	0.157
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	2/3	39	2441	17.10	18.50	1.380	77.22	1.079	-0.09	0.127	0.189
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	2/3	39	2441	17.18	18.50	1.355	77.22	1.079	-0.09	0.068	0.099
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	2/3	78	2480	17.05	18.50	1.396	77.22	1.079	-0.03	0.073	0.110
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	2/3	78	2480	17.15	18.50	1.365	77.22	1.079	-0.03	0.050	0.074
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	2/3	0	2402	17.33	18.50	1.309	77.22	1.079	-0.05	0.196	0.277
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	2/3	0	2402	17.45	18.50	1.274	77.22	1.079	-0.05	0.111	0.153
	Bluetooth	1Mbps	Front	10mm	Ant 4	4	0	2402	16.51	17.00	1.119	77.22	1.079	-0.07	0.130	0.157
	Bluetooth	1Mbps	Back	10mm	Ant 4	4	0	2402	16.51	17.00	1.119	77.22	1.079	-0.03	0.148	0.179
	Bluetooth	1Mbps	Front	10mm	Ant 3	4	0	2402	16.29	17.00	1.178	77.22	1.079	0.1	0.073	0.093
	Bluetooth	1Mbps	Back	10mm	Ant 3	4	0	2402	16.29	17.00	1.178	77.22	1.079	-0.09	0.121	0.154
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(4)	4	0	2402	16.50	17.00	1.122	77.22	1.079	-0.04	0.096	0.116
	Bluetooth	1Mbps	Front	10mm	Ant 4+3(3)	4	0	2402	16.17	17.00	1.211	77.22	1.079	-0.04	0.094	0.123
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(4)	4	0	2402	16.50	17.00	1.122	77.22	1.079	-0.09	0.130	0.157
	Bluetooth	1Mbps	Back	10mm	Ant 4+3(3)	4	0	2402	16.17	17.00	1.211	77.22	1.079	-0.09	0.098	0.128

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)
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	0mm	5	9262	1852.4	22.95	24.20	1.334	-0.02	1.540	2.054
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	0mm	5	9400	1880	22.84	24.20	1.368	-0.01	1.260	1.723
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	0mm	5	9538	1907.6	22.78	24.20	1.387	0	1.340	1.858
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9262	1852.4	18.60	20.00	1.380	-0.01	1.920	2.650
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9400	1880	18.51	20.00	1.409	0.02	1.980	2.790
106	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	9538	1907.6	18.45	20.00	1.429	-0.1	2.060	2.944
107	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	1513	1752.6	18.55	20.40	1.531	-0.01	1.940	2.970
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	1312	1712.4	18.54	20.40	1.535	-0.01	1.630	2.501
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	5	1413	1732.6	18.41	20.40	1.581	-0.02	1.750	2.767

<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)
108	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	0mm	5	18900	1880	21.82	22.40	1.143	0.1	2.590	2.960
	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	0mm	5	18700	1860	21.77	22.40	1.156	0.08	2.480	2.867
	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	0mm	5	19100	1900	21.75	22.40	1.161	-0.07	2.440	2.834
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	0mm	5	21350	2560	22.52	23.40	1.225	-0.19	2.320	2.841
109	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	0mm	5	20850	2510	22.49	23.40	1.233	-0.13	2.410	2.972
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	0mm	5	21100	2535	22.53	23.40	1.222	-0.14	2.150	2.627
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Right Side	0mm	5	21100+20902	2535	23.01	23.40	1.094	0.01	2.320	2.538
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	21350	2560	21.34	21.80	1.112	-0.1	1.950	2.168
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	20850	2510	21.38	21.80	1.102	0.11	1.860	2.049
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	21100	2535	21.44	21.80	1.086	-0.15	1.800	1.956
	LTE Band 7C_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	21100+20902	2535	21.12	21.80	1.169	-0.03	1.670	1.953
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26340	1880	20.05	20.20	1.035	0.02	2.540	2.629
110	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26140	1860	20.04	20.20	1.038	0.05	2.740	2.843
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26590	1905	19.99	20.20	1.050	-0.07	2.570	2.697
111	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Side	0mm	5	27710	2310	20.92	21.20	1.067	0.12	2.730	2.912
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132322	1745	19.70	20.80	1.288	-0.16	2.130	2.744
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132072	1720	19.69	20.80	1.291	-0.04	2.040	2.634
112	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132572	1770	19.48	20.80	1.355	-0.03	2.160	2.927
	LTE Band 66B_Ant 0	15M	QPSK	1	0	Bottom Side	0mm	5	132322+132229	1745	18.83	20.80	1.574	0.05	1.750	2.754
	LTE Band 66C_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132322+132124	1745	19.21	20.80	1.442	-0.02	1.920	2.769

<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	41055	2636.5	23.00	24.20	1.318	62.9	1.006	-0.11	1.070	1.419
113	LTE Band 41 HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	41055	2636.5	24.53	25.80	1.340	42.9	1.009	0.04	1.070	1.446
	LTE Band 41C_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	40620+40422	2593	23.27	23.90	1.156	62.9	1.006	0.01	1.100	1.279

<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)
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	5	380000	1900	22.06	23.00	1.242	0.02	2.190	2.719
114	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	5	372000	1860	22.05	23.00	1.245	0.09	2.390	2.974
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	0mm	5	376000	1880	22.14	23.00	1.219	0.17	2.340	2.852
115	FR1 n7_Ant 2	50M	BPSK	1	1	Right Side	0mm	5	507000	2535	23.46	24.20	1.186	-0.12	2.480	2.941
	FR1 n7_Ant 0	50M	BPSK	135	68	Bottom Side	0mm	5	507000	2535	19.35	21.20	1.531	0.12	1.190	1.822
116	FR1 n30_Ant 0	10M	BPSK	1	26	Bottom Side	0mm	5	462000	2310	20.23	21.50	1.340	0.06	2.060	2.760
117	FR1 n66_Ant 0	40M	BPSK	1	108	Bottom Side	0mm	5	349000	1745	19.17	20.70	1.422	-0.03	2.070	2.944
118	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Side	0mm	5	518598	2592.99	22.16	22.90	1.186	0.13	1.650	1.957

<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)
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+3(4)	5/6	54	5270	18.40	18.50	1.023	96.79	1.033	0.09	0.565	0.597
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+3(3)	5/6	54	5270	18.30	18.50	1.047	96.79	1.033	0.09	1.690	1.828
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+3(4)	5/6	54	5270	18.40	18.50	1.023	96.79	1.033	-0.04	0.081	0.086
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+3(3)	5/6	54	5270	18.30	18.50	1.047	96.79	1.033	-0.04	0.507	0.548
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+3(3)	5/6	54	5270	18.30	18.50	1.047	96.79	1.033	0.01	2.090	2.261
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+3(3)	5/6	62	5310	15.90	17.00	1.288	96.79	1.033	0.11	1.040	1.384
119	WLAN5GHz	802.11a 6Mbps	Left Side	0mm	Ant 4+3(3)	5/6	52	5260	18.20	18.50	1.072	93.18	1.073	0	2.270	2.610
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+3(4)	5/6	54	5270	18.40	18.50	1.023	96.79	1.033	-0.1	0.407	0.430
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+3(4)	5/6	54	5270	18.40	18.50	1.023	96.79	1.033	0.07	0.088	0.093
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+3(3)	5/6	54	5270	18.30	18.50	1.047	96.79	1.033	0.07	0.197	0.213
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+3(4)	7/8/9	54	5270	16.40	17.50	1.288	96.79	1.033	-0.03	0.351	0.467
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+3(3)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	-0.03	0.792	1.129
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+3(4)	7/8/9	54	5270	16.40	17.50	1.288	96.79	1.033	-0.16	0.031	0.041
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+3(3)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	-0.16	0.441	0.629
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+3(3)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	0.06	1.280	1.825
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+3(4)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	0.08	0.457	0.652
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+3(4)	7/8/9	54	5270	16.40	17.50	1.288	96.79	1.033	-0.05	0.041	0.055
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+3(3)	7/8/9	54	5270	16.10	17.50	1.380	96.79	1.033	0.09	0.128	0.183
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	5/6/7	122	5610	18.40	18.50	1.023	87.95	1.137	-0.05	0.631	0.734
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	5/6/7	122	5610	17.60	18.50	1.230	87.95	1.137	-0.05	0.830	1.161
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	5/6/7	122	5610	18.40	18.50	1.023	87.95	1.137	-0.11	0.101	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	5/6/7	122	5610	17.60	18.50	1.230	87.95	1.137	-0.11	0.312	0.436
120	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7	122	5610	17.60	18.50	1.230	87.95	1.137	0.05	1.900	2.658
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7	106	5530	14.80	15.50	1.175	87.95	1.137	-0.04	1.260	1.683
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7	138	5690	17.50	18.50	1.259	87.95	1.137	0.08	1.660	2.376
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+3(4)	5/6/7	122	5610	18.40	18.50	1.023	87.95	1.137	0.16	0.451	0.525
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+3(3)	5/6/7	122	5610	17.60	18.50	1.230	87.95	1.137	0.13	0.264	0.369
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(4)	8/9	138	5690	16.30	17.50	1.318	87.95	1.137	0.08	0.422	0.633
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+3(3)	8/9	138	5690	15.80	17.50	1.479	87.95	1.137	0.08	0.798	1.342
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(4)	8/9	138	5690	16.30	17.50	1.318	87.95	1.137	0.01	0.135	0.202
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+3(3)	8/9	138	5690	15.80	17.50	1.479	87.95	1.137	0.01	0.205	0.345
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	8/9	138	5690	15.80	17.50	1.479	87.95	1.137	-0.12	1.280	2.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	8/9	106	5530	14.80	15.50	1.175	87.95	1.137	-0.14	1.260	1.683
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	8/9	122	5610	15.70	17.50	1.514	87.95	1.137	-0.09	1.280	2.203
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+3(4)	8/9	138	5690	16.30	17.50	1.318	87.95	1.137	0.06	0.573	0.859
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+3(4)	8/9	138	5690	16.30	17.50	1.318	87.95	1.137	0.06	0.211	0.316

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)
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+3(4)	5/6	163	5815	19.10	20.00	1.230	87.01	1.149	0.13	0.707	0.999
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+3(3)	5/6	163	5815	18.90	20.00	1.288	87.01	1.149	0.13	1.100	1.628
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+3(4)	5/6	163	5815	19.10	20.00	1.230	87.01	1.149	0.09	0.363	0.513
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+3(3)	5/6	163	5815	18.90	20.00	1.288	87.01	1.149	0.09	0.342	0.506
121	WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 4+3(3)	5/6	163	5815	18.90	20.00	1.288	87.01	1.149	0.16	1.710	2.531
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	5/6	171	5855	19.20	20.00	1.202	88.1	1.135	0.09	1.620	2.211
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 4+3(4)	5/6	163	5815	19.10	20.00	1.230	87.01	1.149	0.14	0.337	0.476
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+3(4)	5/6	163	5815	19.10	20.00	1.230	87.01	1.149	0.09	0.191	0.270
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+3(3)	5/6	163	5815	18.90	20.00	1.288	87.01	1.149	0.09	0.151	0.224
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+3(4)	7/8/9	163	5815	19.10	19.50	1.096	87.01	1.149	0.13	0.707	0.891
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4+3(3)	7/8/9	163	5815	18.90	19.50	1.148	87.01	1.149	0.13	1.100	1.451
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+3(4)	7/8/9	163	5815	19.10	19.50	1.096	87.01	1.149	0.09	0.363	0.457
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4+3(3)	7/8/9	163	5815	18.90	19.50	1.148	87.01	1.149	0.09	0.342	0.451
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 4+3(3)	7/8/9	163	5815	18.90	19.50	1.148	87.01	1.149	0.16	1.710	2.256
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+3(3)	7/8/9	171	5855	19.40	19.50	1.023	88.1	1.135	0.09	1.620	1.882
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 4+3(4)	7/8/9	163	5815	19.10	19.50	1.096	87.01	1.149	0.14	0.337	0.425
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+3(4)	7/8/9	163	5815	19.10	19.50	1.096	87.01	1.149	0.09	0.191	0.241
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4+3(3)	7/8/9	163	5815	18.90	19.50	1.148	87.01	1.149	0.09	0.151	0.199

<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)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 4+3(4)	5/6/7/8/9	207	6985	14.40	15.00	1.148	85.07	1.176	0.06	0.084	0.113	1.990
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 4+3(3)	5/6/7/8/9	207	6985	14.70	15.00	1.072	85.07	1.176	0.06	0.298	0.376	7.100
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 4+3(4)	5/6/7/8/9	207	6985	14.40	15.00	1.148	85.07	1.176	-0.03	0.069	0.093	1.660
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 4+3(3)	5/6/7/8/9	207	6985	14.70	15.00	1.072	85.07	1.176	-0.03	0.067	0.084	1.590
122	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7/8/9	207	6985	14.70	15.00	1.072	85.07	1.176	-0.19	0.363	0.457	8.660
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7/8/9	15	6025	13.30	13.50	1.047	85.07	1.176	0.11	0.366	0.451	8.710
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7/8/9	47	6185	13.00	13.50	1.122	85.07	1.176	-0.17	0.343	0.453	8.160
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7/8/9	111	6505	13.20	13.50	1.072	85.07	1.176	-0.14	0.273	0.344	6.500
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 4+3(3)	5/6/7/8/9	175	6825	12.80	13.00	1.047	85.07	1.176	0.16	0.300	0.369	7.130
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 4+3(4)	5/6/7/8/9	207	6985	14.40	15.00	1.148	85.07	1.176	0.06	0.036	0.049	0.836
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 4+3(4)	5/6/7/8/9	207	6985	14.40	15.00	1.148	85.07	1.176	-0.03	0.091	0.123	2.160
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 4+3(3)	5/6/7/8/9	207	6985	14.70	15.00	1.072	85.07	1.176	-0.03	0.023	0.029	0.528

15.5 6GHz PD Test result

Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m^2)	Total psPD (W/m^2)
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	15	6025	13.30	0.0625	1.1	-0.85712113	1.86	3.16
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	10mm	Ant 4+3(3)	15	6025	13.30	0.25	1.34		0.833	0.955
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	207	6985	14.70	0.0625	1.95	-0.95571662	2.25	3.65
WLAN6GHz	802.11ax-HE160 MCS0	Left Side	8.59mm	Ant 4+3(3)	207	6985	14.70	0.25	2.43		1.04	1.26
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	15	6025	14.80	0.0625	2.03	-0.12650248	2.07	2.8
WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	15	6025	14.80	0.25	2.09		0.678	0.78
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	207	6985	14.70	0.0625	2.78	-0.92513647	2.6	3.49
WLAN6GHz	802.11ax-HE160 MCS0	Front	8.59mm	Ant 4+3(3)	207	6985	14.70	0.25	3.44		1.32	1.52

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	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)
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	15	6025	13.30	13.50	1.047	85.07	1.176	0.0625	1.5535	-0.13	1.86	3.56	3.16	6.05
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	47	6185	13.00	13.50	1.122	85.07	1.176	0.0625	1.5535	0.07	1.99	4.08	3.24	6.64
01	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	111	6505	13.20	13.50	1.072	85.07	1.176	0.0625	1.5535	0.05	2.68	5.25	3.66	7.16
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	175	6825	12.80	13.00	1.047	85.07	1.176	0.0625	1.5535	-0.12	2.73	5.22	3.61	6.91
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 4+3(3)	207	6985	14.70	15.00	1.072	85.07	1.176	0.0625	1.5535	-0.04	2.25	4.40	3.65	7.15
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	15	6025	14.80	15.00	1.047	85.07	1.176	0.0625	1.5535	-0.13	2.07	3.96	2.80	5.36
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	47	6185	14.50	15.00	1.122	85.07	1.176	0.0625	1.5535	0.11	2.41	4.94	2.95	6.05
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	111	6505	12.70	13.00	1.072	85.07	1.176	0.0625	1.5535	-0.04	1.33	2.60	2.99	5.85
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	175	6825	11.40	11.50	1.023	85.07	1.176	0.0625	1.5535	0.18	2.1	3.93	2.61	4.88
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 4+3(3)	207	6985	14.70	15.00	1.072	85.07	1.176	0.0625	1.5535	-0.15	2.6	5.09	3.49	6.83

15.6 Repeated SAR Measurement

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 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	128	824.2	26.77	27.30	1.130	0.05	0.917	-	1.036
2nd	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	128	824.2	26.77	27.30	1.130	0.05	0.902	1.017	1.019
1st	FR1 n2_Ant 5	20M_BPSK_50_28	Left Cheek	0mm	2	372000	1860	21.52	22.3	1.197	-0.08	0.966	-	1.156
2nd	FR1 n2_Ant 5	20M_BPSK_50_28	Left Cheek	0mm	2	372000	1860	21.52	22.3	1.197	-0.08	0.951	1.016	1.138
1st	FR1 n12_Ant 1	15M_BPSK_1_1	Right Cheek	0mm	2	141500	707.5	24.22	24.30	1.019	-0.03	1.170	-	1.192
2nd	FR1 n12_Ant 1	15M_BPSK_1_1	Right Cheek	0mm	2	141500	707.5	24.22	24.30	1.019	-0.03	1.150	1.017	1.171
1st	FR1 n41_Ant 5	100M_BPSK_1_1	Left Cheek	0mm	2	518598	2592.99	21.38	21.8	1.102	-0.15	1.060	-	1.168
2nd	FR1 n41_Ant 5	100M_BPSK_1_1	Left Cheek	0mm	2	518598	2592.99	21.38	21.8	1.102	-0.15	1.040	1.019	1.146
1st	FR1 n66_Ant 5	40M_BPSK_1_108	Left Cheek	0mm	2	349000	1745	24.28	24.6	1.076	-0.13	1.080	-	1.163
2nd	FR1 n66_Ant 5	40M_BPSK_1_108	Left Cheek	0mm	2	349000	1745	24.28	24.6	1.076	-0.13	1.060	1.019	1.141
1st	FR1 n77_Ant 5	100M_BPSK_1_1	Left Cheek	0mm	2	633332	3499.98	21.39	21.7	1.074	0.16	1.030	-	1.106
2nd	FR1 n77_Ant 5	100M_BPSK_1_1	Left Cheek	0mm	2	633332	3499.98	21.39	21.7	1.074	0.16	1.000	1.030	1.074
1st	LTE Band 30_Ant 0	10M_QPSK_1_0	Back	10mm	5	27710	2310	20.92	21.20	1.067	-0.09	0.970	-	1.035
2nd	LTE Band 30_Ant 0	10M_QPSK_1_0	Back	10mm	5	27710	2310	20.92	21.20	1.067	-0.09	0.949	1.022	1.012

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)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 25_Ant 0	20M_QPSK_1_0	Bottom Side	0mm	5	26140	1860	20.04	20.20	1.038	0.05	2.740	-	2.843
2nd	LTE Band 25_Ant 0	20M_QPSK_1_0	Bottom Side	0mm	5	26140	1860	20.04	20.20	1.038	0.05	2.690	1.019	2.791
1st	LTE Band 30_Ant 0	10M_QPSK_1_0	Bottom Side	0mm	5	27710	2310	20.92	21.20	1.067	0.12	2.730	-	2.912
2nd	LTE Band 30_Ant 0	10M_QPSK_1_0	Bottom Side	0mm	5	27710	2310	20.92	21.20	1.067	0.12	2.690	1.015	2.869
1st	LTE Band 66_Ant 0	20M_QPSK_1_0	Bottom Side	0mm	5	132572	1770	19.48	20.80	1.355	-0.03	2.160	-	2.927
2nd	LTE Band 66_Ant 0	20M_QPSK_1_0	Bottom Side	0mm	5	132572	1770	19.48	20.80	1.355	-0.03	2.130	1.014	2.887
1st	FR1 n7_Ant 2	50M_BPSK_1_1	Right Side	0mm	5	507000	2535	23.46	24.20	1.186	-0.12	2.480	-	2.941
2nd	FR1 n7_Ant 2	50M_BPSK_1_1	Right Side	0mm	5	507000	2535	23.46	24.20	1.186	-0.12	2.440	0.016	2.893

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)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	6	2437	17.35	17.50	1.035	98.9	1.011	0.01	1.100	-	1.151
2nd	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	6	2437	17.35	17.50	1.035	98.9	1.011	0.02	1.050	1.048	1.099
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1/2	58	5290	13.40	13.50	1.023	87.95	1.137	-0.07	0.022	-	0.026
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1/2	58	5290	13.20	13.50	1.072	87.95	1.137	-0.07	0.962		1.172
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1/2	58	5290	13.40	13.50	1.023	87.95	1.137	0.1	0.036	1.096	0.042
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1/2	58	5290	13.20	13.50	1.072	87.95	1.137	0.1	0.878		1.070
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1/2	106	5530	14.80	15.00	1.047	87.95	1.137	0.06	0.072	-	0.086
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1/2	106	5530	14.50	15.00	1.122	87.95	1.137	0.06	0.854		1.089
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	1/2	106	5530	14.80	15.00	1.047	87.95	1.137	0.12	0.076	1.128	0.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	1/2	106	5530	14.50	15.00	1.122	87.95	1.137	0.12	0.757		0.966
1st	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	1/2	151	5755	15.90	16.00	1.023	96.79	1.033	0.13	0.903	-	0.955
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	1/2	151	5755	15.30	16.00	1.175	96.79	1.033	0.13	0.236		0.286
2nd	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	1/2	151	5755	15.90	16.00	1.023	96.79	1.033	-0.13	0.818	1.103	0.865
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	1/2	151	5755	15.30	16.00	1.175	96.79	1.033	-0.13	0.243		0.295
1st	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 4+3(4)	1/2	163	5815	16.30	16.50	1.047	87.01	1.149	0.1	0.122	-	0.147
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 4+3(3)	1/2	163	5815	16.20	16.50	1.072	87.01	1.149	0.1	0.950		1.170
2nd	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 4+3(4)	1/2	163	5815	16.30	16.50	1.047	87.01	1.149	0.13	0.114	1.008	0.137
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 4+3(3)	1/2	163	5815	16.20	16.50	1.072	87.01	1.149	0.13	0.942		1.160

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)	Ratio	Reported 10g SAR (W/kg)
1st	WLAN5GHz	802.11a 6Mbps	Left Side	0mm	Ant 4+3(3)	5/6	52	5260	18.20	18.50	1.072	93.18	1.073	0	2.270	-	2.610
2nd	WLAN5GHz	802.11a 6Mbps	Left Side	0mm	Ant 4+3(3)	5/6	52	5260	18.20	18.50	1.072	93.18	1.073	-0.11	2.160	1.051	2.483

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
2. 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.
3. 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.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. 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>

TX0	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.40	26.90
Reported 1g SAR (W/kg)	0.394	0.353
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	219.48	212.07
Linearity SAR(W/kg)	0.38	
% deviation from expected linearity		-7.28%

TX1	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.40	26.90
Reported 1g SAR (W/kg)	0.361	0.321
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	219.48	212.07
Linearity SAR(W/kg)	0.35	
% deviation from expected linearity		-7.97%

<LTE Band 41 Linearity Data for Hotspot>

TX0	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.40	26.90
Reported 1g SAR (W/kg)	0.84	0.802
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	219.48	212.07
Linearity SAR(W/kg)	0.81	
% deviation from expected linearity		-1.19%

TX1	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.70	22.30
Reported 1g SAR (W/kg)	0.891	0.797
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	74.37	73.53
Linearity SAR(W/kg)	0.88	
% deviation from expected linearity		-9.53%

<LTE Band 41 Linearity Data for Body-worn>

TX0	LTE Band 41_ Ant 2	LTE Band 41_ Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.40	26.90
Reported 1g SAR (W/kg)	0.784	0.749
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	219.48	212.07
Linearity SAR(W/kg)	0.76	
% deviation from expected linearity		-1.13%

TX1	LTE Band 41_ Ant 0	LTE Band 41_ Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.20	25.80
Reported 1g SAR (W/kg)	1.106	1.123
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	166.50	164.62
Linearity SAR(W/kg)	1.09	
% deviation from expected linearity		2.69%

<LTE Band 41 Linearity Data for Extremity >

TX1	LTE Band 41_ Ant 0	LTE Band 41_ Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.20	25.80
Reported 1g SAR (W/kg)	1.419	1.446
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	166.50	164.62
Linearity SAR(W/kg)	1.40	
% deviation from expected linearity		3.06%

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 1	
		WiFi 2.4G MIMO/CDD (Ant4+3)			
		WiFi 5G MIMO (Ant4+3)			
		WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)		Index 2 (RSDB)	
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	WiFi +BT	WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)		Index 1	Index 1
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3)			
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant4 or Ant3)	Index 3	Index 3	
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)			
		WWAN + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)		Index 4 (RSDB)	
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	WWAN + BT	WWAN + Bluetooth (Ant4)			Index 1
		WWAN + Bluetooth (Ant3)			
		WWAN + Bluetooth (Ant4+3)			
	WWAN + WiFi +BT	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)		Index 3	Index 1
		WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
		WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)			
		WWAN + WiFi 6E MIMO (Ant4+3) + 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 5	
		WiFi 2.4G MIMO/CDD (Ant4+3)			
		WiFi 5G MIMO (Ant4+3)			
		WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)		Index 6 (RSDB)	
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	BT standalone	Bluetooth (Ant4)			Index 2
		Bluetooth (Ant3)			
		Bluetooth (Ant4+3)			
	WiFi +BT	WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)		Index 5	Index 3
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 6E MIMO (Ant4+3) + 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+3)			
		WWAN + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)		Index 8 (RSDB)	
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	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+3) + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)	Index 9	Index 4
		WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
		WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)			
		WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3)			

General Note:

1. 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.: FA1O2843-05A
2. The Sim-Tx configuration combination include in operation description will be match the title in the below Sum-Tx evaluation table.
3. This device only WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
4. 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.
5. The SAR summation is calculated based on the same exposure configuration and test position from each transmit antenna worst case reported SAR results.
6. The SAR summation is calculated based on the same exposure configuration and test position from each transmit antenna worst case reported SAR results.
7. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
   i) Scalar SAR summation < 1.6W/kg.
   ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. 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.
   iii) If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.
   iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
8. For WWAN power, when the device is in head mode and hotspot function is enabled, the device will select power index 4 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

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.

$g_1 * LTE_{exposure} + g_2 * NR_{exposure} \leq 1.0,$
$then,\ g_1 * LTE_{exposure} + g_2 * NR_{exposure} \leq max\ (\ LTE_{exposure}\ ,\ NR_{exposure}\ )$

In simultaneous transmission for this device, 5G NR including FR1 uplink MIMO and LTE transmission are managed and controlled by Samsung S.LSI TAS, while the RF exposure from WLAN, BT radios are managed using legacy approach, therefore, compliance of simultaneous transmission of LTE+5GNR+WiFi+BT can be justified from the compliance of LTE+WiFi +BT and 5GNR+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	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	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)			
Right Cheek	0.399	0.347	0.407	1.172	0.078	0.083	0.095	**1.250**	**1.255**	**1.267**
Right Tilted	0.471	0.089	0.473	0.315	0.133	0.020	0.088	**0.448**	**0.335**	**0.403**
Left Cheek	1.078	0.649	0.964	0.955	0.215	0.168	0.252	**1.170**	**1.123**	**1.207**
Left Tilted	1.151	0.079	1.073	0.496	0.242	0.011	0.211	**0.738**	**0.507**	**0.707**

<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	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Right Cheek	0.250	0.185	0.209	1.172	**1.422**	**1.357**	**1.381**
Right Tilted	0.275	0.058	0.311	0.315	**0.590**	**0.373**	**0.626**
Left Cheek	0.605	0.282	0.582	0.955	**1.560**	**1.237**	**1.537**
Left Tilted	0.703	0.031	0.661	0.496	**1.199**	**0.527**	**1.157**

<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+3	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	0.252	0.169	0.197	0.266	0.476	0.078	0.083	0.095	**0.421**	**0.449**	**0.518**	**0.806**	**0.811**	**0.823**
	Right Tilted	0.200	0.216	0.020	0.250	0.122	0.133	0.020	0.088	**0.416**	**0.220**	**0.450**	**0.455**	**0.342**	**0.410**
	Left Cheek	0.595	0.432	0.212	0.525	0.310	0.215	0.168	0.252	**1.027**	**0.807**	**1.120**	**1.120**	**1.073**	**1.157**
	Left Tilted	0.235	0.510	0.019	0.466	0.149	0.242	0.011	0.211	**0.745**	**0.254**	**0.701**	**0.626**	**0.395**	**0.595**
Ant 1	Right Cheek	0.908	0.169	0.197	0.266	0.476	0.078	0.083	0.095	**1.077**	**1.105**	**1.174**	**1.462**	**1.467**	**1.479**
	Right Tilted	0.884	0.216	0.020	0.250	0.122	0.133	0.020	0.088	**1.100**	**0.904**	**1.134**	**1.139**	**1.026**	**1.094**
	Left Cheek	0.655	0.432	0.212	0.525	0.310	0.215	0.168	0.252	**1.087**	**0.867**	**1.180**	**1.180**	**1.133**	**1.217**
	Left Tilted	0.672	0.510	0.019	0.466	0.149	0.242	0.011	0.211	**1.182**	**0.691**	**1.138**	**1.063**	**0.832**	**1.032**
Ant 2	Right Cheek	0.898	0.169	0.197	0.266	0.476	0.078	0.083	0.095	**1.067**	**1.095**	**1.164**	**1.452**	**1.457**	**1.469**
	Right Tilted	0.375	0.216	0.020	0.250	0.122	0.133	0.020	0.088	**0.591**	**0.395**	**0.625**	**0.630**	**0.517**	**0.585**
	Left Cheek	0.400	0.432	0.212	0.525	0.310	0.215	0.168	0.252	**0.832**	**0.612**	**0.925**	**0.925**	**0.878**	**0.962**
	Left Tilted	0.382	0.510	0.019	0.466	0.149	0.242	0.011	0.211	**0.892**	**0.401**	**0.848**	**0.773**	**0.542**	**0.742**
Ant 5	Right Cheek	0.771	0.169	0.197	0.266	0.476	0.078	0.083	0.095	**0.940**	**0.968**	**1.037**	**1.325**	**1.330**	**1.342**
	Right Tilted	0.189	0.216	0.020	0.250	0.122	0.133	0.020	0.088	**0.405**	**0.209**	**0.439**	**0.444**	**0.331**	**0.399**
	Left Cheek	0.892	0.432	0.212	0.525	0.310	0.215	0.168	0.252	**1.324**	**1.104**	**1.417**	**1.417**	**1.370**	**1.454**
	Left Tilted	0.347	0.510	0.019	0.466	0.149	0.242	0.011	0.211	**0.857**	**0.366**	**0.813**	**0.738**	**0.507**	**0.707**
Ant 6	Right Cheek	0.212	0.169	0.197	0.266	0.476	0.078	0.083	0.095	**0.381**	**0.409**	**0.478**	**0.766**	**0.771**	**0.783**
	Right Tilted	0.145	0.216	0.020	0.250	0.122	0.133	0.020	0.088	**0.361**	**0.165**	**0.395**	**0.400**	**0.287**	**0.355**
	Left Cheek	0.457	0.432	0.212	0.525	0.310	0.215	0.168	0.252	**0.889**	**0.669**	**0.982**	**0.982**	**0.935**	**1.019**
	Left Tilted	0.147	0.510	0.019	0.466	0.149	0.242	0.011	0.211	**0.657**	**0.166**	**0.613**	**0.538**	**0.307**	**0.507**
Ant 7	Right Cheek	0.136	0.169	0.197	0.266	0.476	0.078	0.083	0.095	**0.305**	**0.333**	**0.402**	**0.690**	**0.695**	**0.707**
	Right Tilted	0.082	0.216	0.020	0.250	0.122	0.133	0.020	0.088	**0.298**	**0.102**	**0.332**	**0.337**	**0.224**	**0.292**
	Left Cheek	0.087	0.432	0.212	0.525	0.310	0.215	0.168	0.252	**0.519**	**0.299**	**0.612**	**0.612**	**0.565**	**0.649**
	Left Tilted	0.095	0.510	0.019	0.466	0.149	0.242	0.011	0.211	**0.605**	**0.114**	**0.561**	**0.486**	**0.255**	**0.455**

<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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 0	Right Cheek	0.252	0.069	0.072	0.072	0.516	**0.837**	**0.840**	**0.840**
	Right Tilted	0.200	0.110	0.021	0.096	0.122	**0.432**	**0.343**	**0.418**
	Left Cheek	0.595	0.198	0.082	0.198	0.310	**1.103**	**0.987**	**1.103**
	Left Tilted	0.235	0.224	0.012	0.220	0.149	**0.608**	**0.396**	**0.604**
Ant 1	Right Cheek	0.908	0.069	0.072	0.072	0.516	**1.493**	**1.496**	**1.496**
	Right Tilted	0.884	0.110	0.021	0.096	0.122	**1.116**	**1.027**	**1.102**
	Left Cheek	0.655	0.198	0.082	0.198	0.310	**1.163**	**1.047**	**1.163**
	Left Tilted	0.672	0.224	0.012	0.220	0.149	**1.045**	**0.833**	**1.041**
Ant 2	Right Cheek	0.898	0.069	0.072	0.072	0.516	**1.483**	**1.486**	**1.486**
	Right Tilted	0.375	0.110	0.021	0.096	0.122	**0.607**	**0.518**	**0.593**
	Left Cheek	0.400	0.198	0.082	0.198	0.310	**0.908**	**0.792**	**0.908**
	Left Tilted	0.382	0.224	0.012	0.220	0.149	**0.755**	**0.543**	**0.751**
Ant 5	Right Cheek	0.771	0.069	0.072	0.072	0.516	**1.356**	**1.359**	**1.359**
	Right Tilted	0.189	0.110	0.021	0.096	0.122	**0.421**	**0.332**	**0.407**
	Left Cheek	0.892	0.198	0.082	0.198	0.310	**1.400**	**1.284**	**1.400**
	Left Tilted	0.347	0.224	0.012	0.220	0.149	**0.720**	**0.508**	**0.716**
Ant 6	Right Cheek	0.212	0.069	0.072	0.072	0.516	**0.797**	**0.800**	**0.800**
	Right Tilted	0.145	0.110	0.021	0.096	0.122	**0.377**	**0.288**	**0.363**
	Left Cheek	0.457	0.198	0.082	0.198	0.310	**0.965**	**0.849**	**0.965**
	Left Tilted	0.147	0.224	0.012	0.220	0.149	**0.520**	**0.308**	**0.516**
Ant 7	Right Cheek	0.136	0.069	0.072	0.072	0.516	**0.721**	**0.724**	**0.724**
	Right Tilted	0.082	0.110	0.021	0.096	0.122	**0.314**	**0.225**	**0.300**
	Left Cheek	0.087	0.198	0.082	0.198	0.310	**0.595**	**0.479**	**0.595**
	Left Tilted	0.095	0.224	0.012	0.220	0.149	**0.468**	**0.256**	**0.464**

16.3 Hotspot Exposure Conditions

<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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5GHz Ant 4+3				
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Ant 0	Front	0.708	0.356	0.268	0.402	0.418	**1.064**	**0.976**	**1.110**	**1.126**
	Back	0.774	0.445	0.310	0.425	0.143	**1.219**	**1.084**	**1.199**	**0.917**
	Left side	0.824	0.019	0.646	0.564	0.618	**0.843**	**1.470**	**1.388**	**1.442**
	Right side	0.369	0.495	0.017	0.501	0.111	**0.864**	**0.386**	**0.870**	**0.480**
	Top side		0.616	0.048	0.699	0.168	**0.616**	**0.048**	**0.699**	**0.168**
	Bottom side	0.894					**0.894**	**0.894**	**0.894**	**0.894**
Ant 1	Front	0.817	0.356	0.268	0.402	0.418	**1.173**	**1.085**	**1.219**	**1.235**
	Back	0.669	0.445	0.310	0.425	0.143	**1.114**	**0.979**	**1.094**	**0.812**
	Left side	0.803	0.019	0.646	0.564	0.618	**0.822**	**1.449**	**1.367**	**1.421**
	Right side	0.281	0.495	0.017	0.501	0.111	**0.776**	**0.298**	**0.782**	**0.392**
	Top side	0.893	0.616	0.048	0.699	0.168	**1.509**	**0.941**	**1.592**	**1.061**
	Bottom side						**0.000**	**0.000**	**0.000**	**0.000**
Ant 2	Front	0.622	0.356	0.268	0.402	0.418	**0.978**	**0.890**	**1.024**	**1.040**
	Back	0.821	0.445	0.310	0.425	0.143	**1.266**	**1.131**	**1.246**	**0.964**
	Left side	0.142	0.019	0.646	0.564	0.618	**0.161**	**0.788**	**0.706**	**0.760**
	Right side	0.895	0.495	0.017	0.501	0.111	**1.390**	**0.912**	**1.396**	**1.006**
	Top side		0.616	0.048	0.699	0.168	**0.616**	**0.048**	**0.699**	**0.168**
	Bottom side	0.317					**0.317**	**0.317**	**0.317**	**0.317**
Ant 5	Front	0.541	0.356	0.268	0.402	0.418	**0.897**	**0.809**	**0.943**	**0.959**
	Back	0.613	0.445	0.310	0.425	0.143	**1.058**	**0.923**	**1.038**	**0.756**
	Left side	0.062	0.019	0.646	0.564	0.618	**0.081**	**0.708**	**0.626**	**0.680**
	Right side	0.837	0.495	0.017	0.501	0.111	**1.332**	**0.854**	**1.338**	**0.948**
	Top side	0.118	0.616	0.048	0.699	0.168	**0.734**	**0.166**	**0.817**	**0.286**
	Bottom side						**0.000**	**0.000**	**0.000**	**0.000**
Ant 6	Front	0.895	0.356	0.268	0.402	0.418	**1.251**	**1.163**	**1.297**	**1.313**
	Back	0.686	0.445	0.310	0.425	0.143	**1.131**	**0.996**	**1.111**	**0.829**
	Left side	0.750	0.019	0.646	0.564	0.618	**0.769**	**1.396**	**1.314**	**1.368**
	Right side	0.001	0.495	0.017	0.501	0.111	**0.496**	**0.018**	**0.502**	**0.112**
	Top side		0.616	0.048	0.699	0.168	**0.616**	**0.048**	**0.699**	**0.168**
	Bottom side	0.250					**0.250**	**0.250**	**0.250**	**0.250**
Ant 7	Front	0.828	0.356	0.268	0.402	0.418	**1.184**	**1.096**	**1.230**	**1.246**
	Back	0.560	0.445	0.310	0.425	0.143	**1.005**	**0.870**	**0.985**	**0.703**
	Left side	0.103	0.019	0.646	0.564	0.618	**0.122**	**0.749**	**0.667**	**0.721**
	Right side	0.344	0.495	0.017	0.501	0.111	**0.839**	**0.361**	**0.845**	**0.455**
	Top side		0.616	0.048	0.699	0.168	**0.616**	**0.048**	**0.699**	**0.168**
	Bottom side	0.465					**0.465**	**0.465**	**0.465**	**0.465**

<WWAN Index 4, 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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5GHz Ant 4+3							
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Ant 0	Front	0.708	0.174	0.136	0.150	0.232	**0.882**	**0.844**	**0.858**	**0.940**	**1.114**	**1.076**	**1.090**
	Back	0.774	0.178	0.144	0.189	0.094	**0.952**	**0.918**	**0.963**	**0.868**	**1.046**	**1.012**	**1.057**
	Left side	0.824	0.010	0.227	0.266	0.351	**0.834**	**1.051**	**1.090**	**1.175**	**1.185**	**1.402**	**1.441**
	Right side	0.369	0.241	0.006	0.203	0.057	**0.610**	**0.375**	**0.572**	**0.426**	**0.667**	**0.432**	**0.629**
	Top side		0.268	0.012	0.232	0.082	**0.268**	**0.012**	**0.232**	**0.082**	**0.350**	**0.094**	**0.314**
	Bottom side	0.894					**0.894**	**0.894**	**0.894**	**0.894**	**0.894**	**0.894**	**0.894**
Ant 1	Front	0.817	0.174	0.136	0.150	0.232	**0.991**	**0.953**	**0.967**	**1.049**	**1.223**	**1.185**	**1.199**
	Back	0.669	0.178	0.144	0.189	0.094	**0.847**	**0.813**	**0.858**	**0.763**	**0.941**	**0.907**	**0.952**
	Left side	0.803	0.010	0.227	0.266	0.351	**0.813**	**1.030**	**1.069**	**1.154**	**1.164**	**1.381**	**1.420**
	Right side	0.281	0.241	0.006	0.203	0.057	**0.522**	**0.287**	**0.484**	**0.338**	**0.579**	**0.344**	**0.541**
	Top side	0.893	0.268	0.012	0.232	0.082	**1.161**	**0.905**	**1.125**	**0.975**	**1.243**	**0.987**	**1.207**
	Bottom side						**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Ant 2	Front	0.622	0.174	0.136	0.150	0.232	**0.796**	**0.758**	**0.772**	**0.854**	**1.028**	**0.990**	**1.004**
	Back	0.821	0.178	0.144	0.189	0.094	**0.999**	**0.965**	**1.010**	**0.915**	**1.093**	**1.059**	**1.104**
	Left side	0.142	0.010	0.227	0.266	0.351	**0.152**	**0.369**	**0.408**	**0.493**	**0.503**	**0.720**	**0.759**
	Right side	0.895	0.241	0.006	0.203	0.057	**1.136**	**0.901**	**1.098**	**0.952**	**1.193**	**0.958**	**1.155**
	Top side		0.268	0.012	0.232	0.082	**0.268**	**0.012**	**0.232**	**0.082**	**0.350**	**0.094**	**0.314**
	Bottom side	0.317					**0.317**	**0.317**	**0.317**	**0.317**	**0.317**	**0.317**	**0.317**
Ant 5	Front	0.541	0.174	0.136	0.150	0.232	**0.715**	**0.677**	**0.691**	**0.773**	**0.947**	**0.909**	**0.923**
	Back	0.613	0.178	0.144	0.189	0.094	**0.791**	**0.757**	**0.802**	**0.707**	**0.885**	**0.851**	**0.896**
	Left side	0.062	0.010	0.227	0.266	0.351	**0.072**	**0.289**	**0.328**	**0.413**	**0.423**	**0.640**	**0.679**
	Right side	0.837	0.241	0.006	0.203	0.057	**1.078**	**0.843**	**1.040**	**0.894**	**1.135**	**0.900**	**1.097**
	Top side	0.118	0.268	0.012	0.232	0.082	**0.386**	**0.130**	**0.350**	**0.200**	**0.468**	**0.212**	**0.432**
	Bottom side						**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Ant 6	Front	0.895	0.174	0.136	0.150	0.232	**1.069**	**1.031**	**1.045**	**1.127**	**1.301**	**1.263**	**1.277**
	Back	0.686	0.178	0.144	0.189	0.094	**0.864**	**0.830**	**0.875**	**0.780**	**0.958**	**0.924**	**0.969**
	Left side	0.750	0.010	0.227	0.266	0.351	**0.760**	**0.977**	**1.016**	**1.101**	**1.111**	**1.328**	**1.367**
	Right side	0.001	0.241	0.006	0.203	0.057	**0.242**	**0.007**	**0.204**	**0.058**	**0.299**	**0.064**	**0.261**
	Top side		0.268	0.012	0.232	0.082	**0.268**	**0.012**	**0.232**	**0.082**	**0.350**	**0.094**	**0.314**
	Bottom side	0.250					**0.250**	**0.250**	**0.250**	**0.250**	**0.250**	**0.250**	**0.250**
Ant 7	Front	0.828	0.174	0.136	0.150	0.232	**1.002**	**0.964**	**0.978**	**1.060**	**1.234**	**1.196**	**1.210**
	Back	0.560	0.178	0.144	0.189	0.094	**0.738**	**0.704**	**0.749**	**0.654**	**0.832**	**0.798**	**0.843**
	Left side	0.103	0.010	0.227	0.266	0.351	**0.113**	**0.330**	**0.369**	**0.454**	**0.464**	**0.681**	**0.720**
	Right side	0.344	0.241	0.006	0.203	0.057	**0.585**	**0.350**	**0.547**	**0.401**	**0.642**	**0.407**	**0.604**
	Top side		0.268	0.012	0.232	0.082	**0.268**	**0.012**	**0.232**	**0.082**	**0.350**	**0.094**	**0.314**
	Bottom side	0.465					**0.465**	**0.465**	**0.465**	**0.465**	**0.465**	**0.465**	**0.465**

<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	WLAN5/6GHz Ant 4+3	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)			
Ant 0	Front	0.708	0.292	0.157	0.093	0.123	**1.157**	**1.093**	**1.123**
	Back	0.774	0.118	0.179	0.154	0.157	**1.071**	**1.046**	**1.049**
	Left side	0.824	0.442	0.003	0.168	0.082	**1.269**	**1.434**	**1.348**
	Right side	0.369	0.072	0.176	0.003	0.180	**0.617**	**0.444**	**0.621**
	Top side		0.103	0.252	0.022	0.289	**0.355**	**0.125**	**0.392**
	Bottom side	0.894					**0.894**	**0.894**	**0.894**
Ant 1	Front	0.817	0.292	0.157	0.093	0.123	**1.266**	**1.202**	**1.232**
	Back	0.669	0.118	0.179	0.154	0.157	**0.966**	**0.941**	**0.944**
	Left side	0.803	0.442	0.003	0.168	0.082	**1.248**	**1.413**	**1.327**
	Right side	0.281	0.072	0.176	0.003	0.180	**0.529**	**0.356**	**0.533**
	Top side	0.893	0.103	0.252	0.022	0.289	**1.248**	**1.018**	**1.285**
	Bottom side						**0.000**	**0.000**	**0.000**
Ant 2	Front	0.622	0.292	0.157	0.093	0.123	**1.071**	**1.007**	**1.037**
	Back	0.821	0.118	0.179	0.154	0.157	**1.118**	**1.093**	**1.096**
	Left side	0.142	0.442	0.003	0.168	0.082	**0.587**	**0.752**	**0.666**
	Right side	0.895	0.072	0.176	0.003	0.180	**1.143**	**0.970**	**1.147**
	Top side		0.103	0.252	0.022	0.289	**0.355**	**0.125**	**0.392**
	Bottom side	0.317					**0.317**	**0.317**	**0.317**
Ant 5	Front	0.541	0.292	0.157	0.093	0.123	**0.990**	**0.926**	**0.956**
	Back	0.613	0.118	0.179	0.154	0.157	**0.910**	**0.885**	**0.888**
	Left side	0.062	0.442	0.003	0.168	0.082	**0.507**	**0.672**	**0.586**
	Right side	0.837	0.072	0.176	0.003	0.180	**1.085**	**0.912**	**1.089**
	Top side	0.118	0.103	0.252	0.022	0.289	**0.473**	**0.243**	**0.510**
	Bottom side						**0.000**	**0.000**	**0.000**
Ant 6	Front	0.895	0.292	0.157	0.093	0.123	**1.344**	**1.280**	**1.310**
	Back	0.686	0.118	0.179	0.154	0.157	**0.983**	**0.958**	**0.961**
	Left side	0.750	0.442	0.003	0.168	0.082	**1.195**	**1.360**	**1.274**
	Right side	0.001	0.072	0.176	0.003	0.180	**0.249**	**0.076**	**0.253**
	Top side		0.103	0.252	0.022	0.289	**0.355**	**0.125**	**0.392**
	Bottom side	0.250					**0.250**	**0.250**	**0.250**
Ant 7	Front	0.828	0.292	0.157	0.093	0.123	**1.277**	**1.213**	**1.243**
	Back	0.560	0.118	0.179	0.154	0.157	**0.857**	**0.832**	**0.835**
	Left side	0.103	0.442	0.003	0.168	0.082	**0.548**	**0.713**	**0.627**
	Right side	0.344	0.072	0.176	0.003	0.180	**0.592**	**0.419**	**0.596**
	Top side		0.103	0.252	0.022	0.289	**0.355**	**0.125**	**0.392**
	Bottom side	0.465					**0.465**	**0.465**	**0.465**

<WWAN Index 4, 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	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	0.708	0.297	0.182	0.297	**1.005**	**0.890**	**1.005**
	Back	0.774	0.393	0.211	0.277	**1.167**	**0.985**	**1.051**
	Left side	0.824	0.001	0.265	0.199	**0.825**	**1.089**	**1.023**
	Right side	0.369	0.306	0.014	0.213	**0.675**	**0.383**	**0.582**
	Top side		0.449	0.001	0.318	**0.449**	**0.001**	**0.318**
	Bottom side	0.894				**0.894**	**0.894**	**0.894**
Ant 1	Front	0.817	0.297	0.182	0.297	**1.114**	**0.999**	**1.114**
	Back	0.669	0.393	0.211	0.277	**1.062**	**0.880**	**0.946**
	Left side	0.803	0.001	0.265	0.199	**0.804**	**1.068**	**1.002**
	Right side	0.281	0.306	0.014	0.213	**0.587**	**0.295**	**0.494**
	Top side	0.893	0.449	0.001	0.318	**1.342**	**0.894**	**1.211**
	Bottom side					**0.000**	**0.000**	**0.000**
Ant 2	Front	0.622	0.297	0.182	0.297	**0.919**	**0.804**	**0.919**
	Back	0.821	0.393	0.211	0.277	**1.214**	**1.032**	**1.098**
	Left side	0.142	0.001	0.265	0.199	**0.143**	**0.407**	**0.341**
	Right side	0.895	0.306	0.014	0.213	**1.201**	**0.909**	**1.108**
	Top side		0.449	0.001	0.318	**0.449**	**0.001**	**0.318**
	Bottom side	0.317				**0.317**	**0.317**	**0.317**
Ant 5	Front	0.541	0.297	0.182	0.297	**0.838**	**0.723**	**0.838**
	Back	0.613	0.393	0.211	0.277	**1.006**	**0.824**	**0.890**
	Left side	0.062	0.001	0.265	0.199	**0.063**	**0.327**	**0.261**
	Right side	0.837	0.306	0.014	0.213	**1.143**	**0.851**	**1.050**
	Top side	0.118	0.449	0.001	0.318	**0.567**	**0.119**	**0.436**
	Bottom side					**0.000**	**0.000**	**0.000**
Ant 6	Front	0.895	0.297	0.182	0.297	**1.192**	**1.077**	**1.192**
	Back	0.686	0.393	0.211	0.277	**1.079**	**0.897**	**0.963**
	Left side	0.750	0.001	0.265	0.199	**0.751**	**1.015**	**0.949**
	Right side	0.001	0.306	0.014	0.213	**0.307**	**0.015**	**0.214**
	Top side		0.449	0.001	0.318	**0.449**	**0.001**	**0.318**
	Bottom side	0.250				**0.250**	**0.250**	**0.250**
Ant 7	Front	0.828	0.297	0.182	0.297	**1.125**	**1.010**	**1.125**
	Back	0.560	0.393	0.211	0.277	**0.953**	**0.771**	**0.837**
	Left side	0.103	0.001	0.265	0.199	**0.104**	**0.368**	**0.302**
	Right side	0.344	0.306	0.014	0.213	**0.650**	**0.358**	**0.557**
	Top side		0.449	0.001	0.318	**0.449**	**0.001**	**0.318**
	Bottom side	0.465				**0.465**	**0.465**	**0.465**

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	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	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)			
Front	0.573	0.449	0.619	0.697	0.297	0.182	0.297	**0.994**	**0.879**	**0.994**
Back	0.707	0.482	0.738	0.399	0.393	0.211	0.277	**0.792**	**0.610**	**0.676**

<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	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Front	0.573	0.449	0.619	0.697	**1.270**	**1.146**	**1.316**
Back	0.707	0.482	0.738	0.399	**1.106**	**0.881**	**1.137**

<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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3				
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Ant 0	Front	0.844	0.356	0.268	0.402	0.463	**1.200**	**1.112**	**1.246**	**1.307**
	Back	0.896	0.445	0.310	0.425	0.235	**1.341**	**1.206**	**1.321**	**1.131**
Ant 1	Front	0.836	0.356	0.268	0.402	0.463	**1.192**	**1.104**	**1.238**	**1.299**
	Back	0.677	0.445	0.310	0.425	0.235	**1.122**	**0.987**	**1.102**	**0.912**
Ant 2	Front	0.651	0.356	0.268	0.402	0.463	**1.007**	**0.919**	**1.053**	**1.114**
	Back	0.885	0.445	0.310	0.425	0.235	**1.330**	**1.195**	**1.310**	**1.120**
Ant 5	Front	0.489	0.356	0.268	0.402	0.463	**0.845**	**0.757**	**0.891**	**0.952**
	Back	0.681	0.445	0.310	0.425	0.235	**1.126**	**0.991**	**1.106**	**0.916**
Ant 6	Front	0.895	0.356	0.268	0.402	0.463	**1.251**	**1.163**	**1.297**	**1.358**
	Back	0.686	0.445	0.310	0.425	0.235	**1.131**	**0.996**	**1.111**	**0.921**
Ant 7	Front	0.828	0.356	0.268	0.402	0.463	**1.184**	**1.096**	**1.230**	**1.291**
	Back	0.560	0.445	0.310	0.425	0.235	**1.005**	**0.870**	**0.985**	**0.795**

<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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3							
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Ant 0	Front	0.844	0.174	0.136	0.150	0.375	**1.018**	**0.980**	**0.994**	**1.219**	**1.393**	**1.355**	**1.369**
	Back	0.896	0.178	0.144	0.189	0.222	**1.074**	**1.040**	**1.085**	**1.118**	**1.296**	**1.262**	**1.307**
Ant 1	Front	0.836	0.174	0.136	0.150	0.375	**1.010**	**0.972**	**0.986**	**1.211**	**1.385**	**1.347**	**1.361**
	Back	0.677	0.178	0.144	0.189	0.222	**0.855**	**0.821**	**0.866**	**0.899**	**1.077**	**1.043**	**1.088**
Ant 2	Front	0.651	0.174	0.136	0.150	0.375	**0.825**	**0.787**	**0.801**	**1.026**	**1.200**	**1.162**	**1.176**
	Back	0.885	0.178	0.144	0.189	0.222	**1.063**	**1.029**	**1.074**	**1.107**	**1.285**	**1.251**	**1.296**
Ant 5	Front	0.489	0.174	0.136	0.150	0.375	**0.663**	**0.625**	**0.639**	**0.864**	**1.038**	**1.000**	**1.014**
	Back	0.681	0.178	0.144	0.189	0.222	**0.859**	**0.825**	**0.870**	**0.903**	**1.081**	**1.047**	**1.092**
Ant 6	Front	0.895	0.174	0.136	0.150	0.375	**1.069**	**1.031**	**1.045**	**1.270**	**1.444**	**1.406**	**1.420**
	Back	0.686	0.178	0.144	0.189	0.222	**0.864**	**0.830**	**0.875**	**0.908**	**1.086**	**1.052**	**1.097**
Ant 7	Front	0.828	0.174	0.136	0.150	0.375	**1.002**	**0.964**	**0.978**	**1.203**	**1.377**	**1.339**	**1.353**
	Back	0.560	0.178	0.144	0.189	0.222	**0.738**	**0.704**	**0.749**	**0.782**	**0.960**	**0.926**	**0.971**

<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	WLAN5/6GHz Ant 4+3	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)			
Ant 0	Front	0.844	0.375	0.157	0.093	0.123	**1.376**	**1.312**	**1.342**
	Back	0.896	0.222	0.179	0.154	0.157	**1.297**	**1.272**	**1.275**
Ant 1	Front	0.836	0.375	0.157	0.093	0.123	**1.368**	**1.304**	**1.334**
	Back	0.677	0.222	0.179	0.154	0.157	**1.078**	**1.053**	**1.056**
Ant 2	Front	0.651	0.375	0.157	0.093	0.123	**1.183**	**1.119**	**1.149**
	Back	0.885	0.222	0.179	0.154	0.157	**1.286**	**1.261**	**1.264**
Ant 5	Front	0.489	0.375	0.157	0.093	0.123	**1.021**	**0.957**	**0.987**
	Back	0.681	0.222	0.179	0.154	0.157	**1.082**	**1.057**	**1.060**
Ant 6	Front	0.895	0.375	0.157	0.093	0.123	**1.427**	**1.363**	**1.393**
	Back	0.686	0.222	0.179	0.154	0.157	**1.087**	**1.062**	**1.065**
Ant 7	Front	0.828	0.375	0.157	0.093	0.123	**1.360**	**1.296**	**1.326**
	Back	0.560	0.222	0.179	0.154	0.157	**0.961**	**0.936**	**0.939**

<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	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	0.844	0.297	0.182	0.297	**1.141**	**1.026**	**1.141**
	Back	0.896	0.393	0.211	0.277	**1.289**	**1.107**	**1.173**
Ant 1	Front	0.836	0.297	0.182	0.297	**1.133**	**1.018**	**1.133**
	Back	0.677	0.393	0.211	0.277	**1.070**	**0.888**	**0.954**
Ant 2	Front	0.651	0.297	0.182	0.297	**0.948**	**0.833**	**0.948**
	Back	0.885	0.393	0.211	0.277	**1.278**	**1.096**	**1.162**
Ant 5	Front	0.489	0.297	0.182	0.297	**0.786**	**0.671**	**0.786**
	Back	0.681	0.393	0.211	0.277	**1.074**	**0.892**	**0.958**
Ant 6	Front	0.895	0.297	0.182	0.297	**1.192**	**1.077**	**1.192**
	Back	0.686	0.393	0.211	0.277	**1.079**	**0.897**	**0.963**
Ant 7	Front	0.828	0.297	0.182	0.297	**1.125**	**1.010**	**1.125**
	Back	0.560	0.393	0.211	0.277	**0.953**	**0.771**	**0.837**

16.5 Product Specific Exposure Conditions

<WWAN, WLAN Index 7>

WWAN	Exposure Position	1 WWAN 10g SAR (W/kg)	2 WLAN5/6GHz Ant 4+3 10g SAR (W/kg)	1+2 Summed 10g SAR (W/kg)
Ant 0	Front		1.451	**1.451**
	Back		0.629	**0.629**
	Left side		2.658	**2.658**
	Right side		0.652	**0.652**
	Top side		0.369	**0.369**
	Bottom side	2.970		**2.970**
Ant 1	Front		1.451	**1.451**
	Back		0.629	**0.629**
	Left side		2.658	**2.658**
	Right side		0.652	**0.652**
	Top side	2.974	0.369	**3.343**
	Bottom side			**0.000**
Ant 2	Front		1.451	**1.451**
	Back		0.629	**0.629**
	Left side		2.658	**2.658**
	Right side	2.972	0.652	**3.624**
	Top side		0.369	**0.369**
	Bottom side			**0.000**

<WWAN, WLAN Index 8/9>

WWAN	Exposure Position	1 WWAN 10g SAR (W/kg)	2 WLAN5/6GHz Ant 4+3 10g SAR (W/kg)	1+2 Summed 10g SAR (W/kg)
Ant 0	Front		1.451	**1.451**
	Back		0.629	**0.629**
	Left side		2.256	**2.256**
	Right side		0.859	**0.859**
	Top side		0.316	**0.316**
	Bottom side	2.970		**2.970**
Ant 1	Front		1.451	**1.451**
	Back		0.629	**0.629**
	Left side		2.256	**2.256**
	Right side		0.859	**0.859**
	Top side	2.974	0.316	**3.290**
	Bottom side			**0.000**
Ant 2	Front		1.451	**1.451**
	Back		0.629	**0.629**
	Left side		2.256	**2.256**
	Right side	2.972	0.859	**3.831**
	Top side		0.316	**0.316**
	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 tune codes is different for each frequency band as shown in the following table.
4. Dynamic antenna tuning mechanism is available at Ant. 0, 1 and 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
TX 0	ANT 0: LTE B5/12/B13/B14/B17/B26/B71 ANT 2: LTE B2/B4/B7/B25/B30/B41/B66
TX1	ANT 1: LTE B5/12/B13/B14/B17/B26/B71

Antenna	Band	Number of tuning states
Ant0 (LB)	LTE B5/26	9
	LTE B12/17	8
	LTE B13	11
	LTE B14	6
	LTE B71	9
Ant1 (LB)	LTE B5/26	62
	LTE B12/17	74
	LTE B13	93
	LTE B14	72
	LTE B71	78
Ant2 (MB/LB)	LTE B2/25	55
	LTE B4/66	39
	LTE B7	29
	LTE B30	78
	LTE B41	50

17.1 Supplemental Head SAR results

	RF exposure position											Average Value of Time Sweep Single Point SAR (W/kg)										
	Band	Mode	Channel		Test Position	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)											
Head (Ant0)	LTE Band 12/17	10M_QPSK_1_0	Middle	23095	Left Cheek	0.236	0.283	4	0.220	4	0.245	1	2	3	4	5	6	7	8			
												0.218	0.212	0.168	0.220	0.207	0.164	0.210	0.166			
	LTE Band 13	10M_QPSK_1_0	Middle	23230	Left Cheek	0.315	0.390	4	0.352	6	0.368	1	2	3	4	5	6	7	8	9	10	11
												0.343	0.351	0.143	0.352	0.347	0.354	0.147	0.345	0.116	0.353	0.142
	LTE Band 14	10M_QPSK_1_0	Middle	23330	Left Cheek	0.319	0.388	4	0.167	3	0.365	1	2	3	4	5	6					
												0.359	0.169	0.360	0.167	0.352	0.160					
	LTE Band 5/26	15M_QPSK_1_0	Middle	26865	Left Cheek	0.286	0.355	4	0.359	4	0.365	1	2	3	4	5	6	7	8	9		
												0.311	0.315	0.178	0.359	0.353	0.216	0.315	0.178	0.291		
	LTE Band 71	20M_QPSK_1_0	Middle	133297	Left Cheek	0.186	0.214	4	0.214	4	0.216	1	2	3	4	5	6	7	8	9		
												0.197	0.161	0.184	0.214	0.152	0.155	0.211	0.155	0.153		

	RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)																
	Band	Mode	Channel		Test Position	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	14	15	16
	LTE Band 12/17	10M_QPSK_1_0	Middle	23095	Right Cheek	0.868	1.004	42	0.844	34	1.080	0.875	0.759	0.587	0.782	0.733	0.584	0.878	0.878	0.756	0.895	0.906	0.836	0.119	0.094	0.065	0.057
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.726	0.842	0.835	0.003	0.003	0.003	0.003	0.867	0.783	0.613	0.827	0.610	0.843	0.625	0.626	0.609
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.895	0.906	0.836	0.119	0.094	0.065	0.057	0.643	0.816	0.844	0.869	0.119	0.104	0.094	0.058	0.057
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.611	0.884	0.706	0.482	0.716	0.502	0.488	0.772	0.884	0.766	0.719	0.485	0.482	0.492	0.495	0.620
												65	66	67	68	69	70	71	72	73	74						
												0.842	0.515	0.003	0.003	0.003	0.617	0.003	0.003	0.003	0.003						
	LTE Band 13	10M_QPSK_1_0	Middle	23230	Right Cheek	0.943	1.051	48	0.765	46	1.100	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.993	0.98	0.86	1.01	0.86	0.83	0.83	1.011	1.001	0.346	1.00	0.86	0.85	0.84	0.84	0.775
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.980	1.009	0.975	0.164	0.120	0.117	0.87	0.567	0.598	0.598	0.229	0.218	0.182	0.182	0.117	0.970
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												1.030	1.050	1.010	1.060	1.060	1.060	0.94	0.925	0.989	1.040	1.040	1.050	1.040	1.060	0.569	0.765
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.835	0.979	0.223	0.209	0.202	1.050	0.42	0.396	0.586	0.175	0.188	0.199	0.206	0.211	0.764	0.762
												65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
												0.858	1.004	0.858	0.842	0.835	0.829	1.00	0.978	0.874	0.819	0.842	0.842	0.829	0.780	0.957	0.983
												81	82	83	84	85	86	87	88	89	90	91	92	93			
												0.980	0.169	0.172	0.112	0.866	0.567	0.59	0.276	0.221	0.003	0.185	0.003	0.117			
Head (Ant1)	LTE Band 14	10M_QPSK_1_0	Middle	23330	Right Cheek	0.914	1.074	31	0.686	27	1.080	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.839	0.893	0.923	0.903	0.918	0.903	0.763	0.871	0.347	0.913	0.910	0.374	0.502	0.839	0.002	0.143
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.150	0.145	0.576	0.807	0.143	0.143	0.002	0.140	0.788	0.834	0.984	0.821	0.972	0.977	0.686	0.767
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.802	0.957	0.978	0.282	0.733	0.159	0.19	0.212	0.276	0.360	0.652	0.132	0.151	0.212	0.264	0.276
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.868	0.927	0.364	0.927	0.927	0.937	0.881	0.881	0.888	0.918	0.930	0.514	0.854	0.150	0.145	0.145
												65	66	67	68	69	70	71	72								
												0.145	0.561	0.817	0.145	0.140	0.145	0.133	0.143								
	LTE Band 5/26	15M_QPSK_1_0	Middle	26865	Right Cheek	0.834	1.048	26	0.784	24	1.060	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.958	0.922	0.992	0.933	0.843	0.911	0.979	0.905	0.994	0.380	0.573	0.748	0.276	0.288	0.900	0.684
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.241	0.286	0.290	0.910	0.875	0.994	0.85	0.999	0.364	0.784	0.836	0.997	0.991	0.646	0.306	0.394
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.382	0.976	0.320	0.485	0.197	0.251	0.387	0.97	0.926	0.955	0.957	0.968	0.968	0.926	0.200	0.926
												49	50	51	52	53	54	55	56	57	58	59	60	61	62		
												0.531	0.819	0.930	0.392	0.385	0.222	0.99	0.257	0.347	0.602	0.878	0.337	0.219	0.212		
	LTE Band 71	20M_QPSK_1_0	Middle	133297	Right Cheek	0.810	1.176	45	0.734	39	0.823	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.730	0.683	0.480	0.732	0.483	0.489	0.688	0.678	0.489	0.700	0.650	0.498	0.040	0.001	0.488	0.487
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.412	0.725	0.091	0.085	0.500	0.042	0.041	0.001	0.491	0.716	0.572	0.399	0.579	0.417	0.406	0.587
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.657	0.617	0.406	0.404	0.406	0.698	0.735	0.63	0.061	0.001	0.339	0.509	0.734	0.091	0.068	0.063
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.001	0.407	0.711	0.683	0.489	0.689	0.51	0.498	0.492	0.713	0.721	0.689	0.500	0.487	0.488	0.487
												65	66	67	68	69	70	71	72	73	74	75	76	77	78		
												0.487	0.643	0.710	0.496	0.041	0.496	0.541	0.730	0.719	0.101	0.092	0.086	0.040	0.042		

	RF exposure position											Average Value of Time Sweep Single Point SAR (W/kg)																									
	Band	Mode	Channel		Test Position	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)																											
Head (Ant2)	LTE Band 7	20M_QPSK_1_0	High	21350	Right Cheek	0.577	0.681	23	0.730	23	0.736	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.657	0.641	0.638	0.644	0.634	0.558	0.223	0.303	0.582	0.641	0.503	0.601	0.680	0.663	0.680	0.561	0.247	0.727	0.648	0.664	0.681	0.702	0.730	0.607	0.635	0.321
												27	28	29																							
												0.189	0.317	0.695																							
	LTE Band 2/25	20M_QPSK_1_0	Low	26140	Right Cheek	0.657	0.837	4	0.740	3	0.865	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.812	0.797	0.813	0.740	0.809	0.467	0.509	0.608	0.586	0.793	0.406	0.670	0.764	0.807	0.079	0.500	0.073	0.070	0.790	0.783	0.813	0.783	0.777	0.589	0.751	0.762
												27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
												0.783	0.194	0.481	0.493	0.705	0.718	0.242	0.606	0.125	0.709	0.734	0.641	0.744	0.638	0.621	0.373	0.668	0.707	0.620	0.649	0.330	0.631	0.700	0.511	0.537	0.113
												53	54	55																							
												0.522	0.054	0.052																							
	LTE Band 30	10M_QPSK_1_0	Middle	27710	Right Cheek	0.593	0.604	44	0.750	1	0.813	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.811	0.656	0.374	0.423	0.566	0.433	0.243	0.220	0.342	0.334	0.437	0.511	0.707	0.166	0.150	0.112	0.168	0.672	0.752	0.434	0.050	0.033	0.051	0.047	0.072	0.510
												27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
												0.735	0.691	0.301	0.545	0.487	0.517	0.228	0.270	0.414	0.404	0.755	0.457	0.154	0.205	0.150	0.200	0.553	0.750	0.140	0.101	0.001	0.056	0.051	0.136	0.746	0.726
												53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
												0.803	0.656	0.372	0.418	0.567	0.437	0.242	0.222	0.340	0.329	0.434	0.507	0.704	0.166	0.148	0.109	0.169	0.675	0.752	0.438	0.018	0.034	0.051	0.046	0.071	0.507
	LTE Band 41	20M_QPSK_1_0	Low	39750	Right Cheek	0.293	0.381	14	0.341	22	0.415	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.351	0.352	0.335	0.195	0.291	0.165	0.182	0.344	0.122	0.166	0.083	0.056	0.214	0.341	0.000	0.212	0.295	0.387	0.352	0.133	0.407	0.414	0.367	0.219	0.322	0.184
												27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50		
												0.199	0.391	0.132	0.189	0.088	0.061	0.229	0.368	0.035	0.191	0.283	0.379	0.354	0.129	0.300	0.315	0.289	0.168	0.269	0.138	0.168	0.302	0.098	0.137		
	LTE Band 4/66	20M_QPSK_1_0	High	132572	Right Cheek	0.615	0.739	32	0.567	28	0.692	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.207	0.525	0.426	0.477	0.513	0.180	0.325	0.516	0.239	0.403	0.492	0.449	0.591	0.590	0.586	0.564	0.589	0.596	0.308	0.463	0.311	0.494	0.583	0.593	0.680	0.663
												27	28	29	30	31	32	33	34	35	36	37	38	39													
												0.607	0.684	0.677	0.682	0.456	0.567	0.670	0.583	0.666	0.664	0.456	0.667	0.642													

17.2 Supplemental Body SAR results

	RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)										
	Band	Mode	Channel		Test Position	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)											
Body (Ant0)	LTE Band 12/17	10M_QPSK_1_0	Middle	23095	Back	0.356	0.427	4	0.369	4	0.392	1	2	3	4	5	6	7	8			
												0.366	0.365	0.218	0.369	0.365	0.207	0.365	0.215			
	LTE Band 13	10M_QPSK_1_0	Middle	23230	Left Side	0.665	0.824	4	0.607	6	0.673	1	2	3	4	5	6	7	8	9	10	11
												0.610	0.610	0.303	0.607	0.590	0.611	0.263	0.609	0.588	0.606	0.247
	LTE Band 14	10M_QPSK_1_0	Middle	23330	Back	0.607	0.738	4	0.167	3	0.612	1	2	3	4	5	6					
												0.571	0.179	0.572	0.167	0.570	0.175					
	LTE Band 5/26	15M_QPSK_1_0	Middle	26865	Back	0.493	0.612	4	0.483	5	0.501	1	2	3	4	5	6	7	8	9		
												0.486	0.485	0.207	0.483	0.487	0.203	0.482	0.205	0.485		
	LTE Band 71	20M_QPSK_1_0	Middle	133297	Left Side	0.381	0.438	4	0.414	4	0.418	1	2	3	4	5	6	7	8	9		
												0.412	0.334	0.410	0.414	0.311	0.321	0.411	0.351	0.358		

	RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)																
	Band	Mode	Channel		Test Position	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	14	15	16
	LTE Band 12/17	10M_QPSK_1_0	Middle	23095	Back	0.273	0.316	42	0.214	34	0.304	0.265	0.230	0.178	0.237	0.222	0.177	0.266	0.266	0.229	0.179	0.177	0.265	0.255	0.001	0.001	0.001
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.220	0.255	0.253	0.001	0.001	0.001	0.001	0.267	0.214	0.150	0.233	0.133	0.243	0.155	0.154	0.149
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.265	0.270	0.253	0.001	0.001	0.001	0.001	0.147	0.211	0.214	0.268	0.043	0.001	0.001	0.001	0.001
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.142	0.268	0.214	0.146	0.217	0.152	0.148	0.234	0.268	0.232	0.218	0.147	0.146	0.149	0.150	0.188
												65	66	67	68	69	70	71	72	73	74						
												0.255	0.156	0.001	0.001	0.001	0.187	0.001	0.001	0.001	0.001						
	LTE Band 13	10M_QPSK_1_0	Middle	23230	Back	0.402	0.471	48	0.293	39	0.418	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.382	0.38	0.33	0.39	0.33	0.32	0.32	0.389	0.385	0.133	0.38	0.33	0.33	0.32	0.32	0.298
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.377	0.388	0.375	0.063	0.046	0.045	0.33	0.218	0.230	0.230	0.088	0.084	0.070	0.070	0.045	0.287
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.366	0.328	0.389	0.330	0.323	0.326	0.40	0.389	0.374	0.329	0.321	0.322	0.322	0.322	0.294	0.293
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.383	0.373	0.064	0.044	0.047	0.341	0.23	0.233	0.327	0.092	0.089	0.075	0.072	0.048	0.390	0.384
												65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
												0.330	0.386	0.330	0.324	0.321	0.319	0.39	0.376	0.336	0.315	0.324	0.324	0.319	0.300	0.368	0.378
												81	82	83	84	85	86	87	88	89	90	91	92	93			
												0.377	0.065	0.066	0.043	0.333	0.218	0.23	0.106	0.085	0.001	0.071	0.001	0.045			
Body (Ant1)	LTE Band 14	10M_QPSK_1_0	Middle	23330	Back	0.392	0.392	31	0.370	29	0.406	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.341	0.363	0.375	0.367	0.373	0.367	0.310	0.354	0.141	0.371	0.370	0.152	0.204	0.341	0.001	0.058
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.061	0.059	0.234	0.328	0.058	0.058	0.001	0.057	0.371	0.393	0.399	0.208	0.400	0.399	0.370	0.373
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.381	0.397	0.397	0.220	0.369	0.065	0.06	0.067	0.065	0.246	0.347	0.062	0.065	0.067	0.063	0.067
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.353	0.377	0.148	0.377	0.377	0.381	0.358	0.358	0.361	0.373	0.378	0.209	0.347	0.061	0.059	0.059
												65	66	67	68	69	70	71	72								
												0.059	0.228	0.332	0.059	0.057	0.059	0.054	0.058								
	LTE Band 5/26	15M_QPSK_1_0	Middle	26865	Back	0.416	0.416	26	0.435	23	0.515	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.406	0.440	0.441	0.433	0.357	0.386	0.415	0.441	0.421	0.161	0.243	0.317	0.117	0.122	0.442	0.290
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.102	0.121	0.123	0.423	0.443	0.423	0.45	0.421	0.255	0.435	0.443	0.420	0.426	0.389	0.165	0.161
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.093	0.421	0.222	0.328	0.146	0.156	0.094	0.44	0.421	0.434	0.435	0.440	0.440	0.421	0.091	0.421
												49	50	51	52	53	54	55	56	57	58	59	60	61	62		
												0.225	0.347	0.394	0.166	0.163	0.094	0.42	0.109	0.147	0.255	0.372	0.143	0.093	0.090		
	LTE Band 71	20M_QPSK_1_0	Middle	133297	Back	0.223	0.223	45	0.217	26	0.255	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
												0.240	0.192	0.126	0.206	0.126	0.126	0.235	0.199	0.125	0.127	0.216	0.201	0.132	0.001	0.001	0.124
												17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
												0.081	0.240	0.001	0.001	0.131	0.001	0.001	0.001	0.127	0.242	0.179	0.115	0.185	0.121	0.116	0.183
												33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
												0.210	0.201	0.116	0.115	0.116	0.195	0.237	0.21	0.001	0.001	0.072	0.119	0.217	0.001	0.001	0.001
												49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
												0.001	0.114	0.235	0.001	0.127	0.194	0.13	0.123	0.125	0.238	0.211	0.197	0.132	0.125	0.125	0.125
												65	66	67	68	69	70	71	72	73	74	75	76	77	78		
												0.240	0.129	0.241	0.123	0.001	0.123	0.113	0.229	0.239	0.001	0.001	0.001	0.001	0.001		

	RF exposure position											Average Value of Time Sweep Single Point SAR (W/kg)																										
	Band	Mode	Channel		Test Position	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	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.748	0.720	0.731	0.731	0.715	0.651	0.290	0.395	0.675	0.734	0.593	0.692	0.668	0.662	0.671	0.589	0.287	0.636	0.590	0.613	0.616	0.604	0.625	0.546	0.574	0.309
												27	28	29																							
												0.184	0.294	0.605																							
	LTE Band 7	20M_QPSK_1_0	High	21350	Right Side	0.722	0.789	23	0.625	1	0.789																										
	LTE Band 2/25	20M_QPSK_1_0	High	26590	Back	0.614	0.754	4	0.679	5	0.754	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.711	0.721	0.734	0.679	0.734	0.446	0.480	0.560	0.561	0.729	0.392	0.575	0.676	0.730	0.079	0.459	0.068	0.064	0.682	0.671	0.661	0.664	0.674	0.529	0.647	0.632
												27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
												0.683	0.172	0.426	0.434	0.594	0.586	0.221	0.519	0.112	0.614	0.705	0.613	0.708	0.592	0.586	0.384	0.638	0.658	0.566	0.601	0.317	0.570	0.629	0.468	0.494	0.119
												53	54	55																							
												0.478	0.055	0.051																							
Body (Ant2)	LTE Band 30	10M_QPSK_1_0	Middle	27710	Right Side	0.828	1.12	44	0.95	1	1.12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												1.11	0.899	0.513	0.580	0.775	0.593	0.333	0.302	0.468	0.457	0.599	0.700	0.969	0.228	0.206	0.153	0.230	0.921	1.030	0.595	0.069	0.045	0.070	0.065	0.099	0.70
												27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
												1.080	0.865	0.437	0.748	0.687	0.685	0.334	0.401	0.612	0.584	0.948	0.600	0.226	0.302	0.226	0.302	0.779	0.950	0.205	0.154	0.041	0.085	0.077	0.209	0.942	1.070
												53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
												1.100	0.898	0.509	0.573	0.777	0.598	0.332	0.304	0.466	0.451	0.595	0.695	0.965	0.228	0.203	0.149	0.231	0.924	1.030	0.600	0.025	0.046	0.070	0.063	0.097	0.694
	LTE Band 41	20M_QPSK_1_0	Low	39750	Right Side	0.644	0.913	14	0.748	22	0.913	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.769	0.772	0.735	0.428	0.639	0.362	0.400	0.754	0.267	0.365	0.182	0.123	0.470	0.748	0.001	0.465	0.646	0.849	0.772	0.291	0.894	0.910	0.806	0.481	0.708	0.404
												27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50		
												0.437	0.859	0.291	0.416	0.193	0.134	0.503	0.809	0.078	0.419	0.623	0.834	0.777	0.283	0.707	0.744	0.682	0.396	0.635	0.325	0.397	0.714	0.232	0.323		
	LTE Band 4/66	20M_QPSK_1_0	Middle	132322	Right Side	0.671	0.852	32	0.683	26	0.852	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
												0.708	0.726	0.610	0.671	0.709	0.416	0.552	0.677	0.354	0.567	0.660	0.602	0.712	0.721	0.719	0.701	0.741	0.743	0.411	0.611	0.415	0.635	0.743	0.748	0.802	0.829
												27	28	29	30	31	32	33	34	35	36	37	38	39													
												0.732	0.807	0.801	0.794	0.567	0.683	0.825	0.684	0.792	0.768	0.558	0.772	0.754													

Test Engineer： Bevis Chang, Jordar Jhuang, Peter Chiu, Murphy Lee, Kells Chen, Ray Sun, Willy Yu, Carter Jhuang, Chris Yang and White Huang

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 uncertainly may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainly by the statistical analysis of a series of observations is termed a Type An 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]	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(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 dep endent 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)