



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	LTE Band 7	20M	QPSK	1	0	-	Front	13mm	Ant 0	-	DSI4	21100	2535	open	23.24	24.00	1.191	-	-	0.05	0.237	0.282
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 0	-	DSI4	21100	2535	open	23.24	24.00	1.191	-	-	-0.03	0.267	0.318
	LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI3	21100+21298	2535+2554.8	open	22.08	22.90	1.208	-	-	0.03	0.956	1.155
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	21100	2535	open	20.03	21.40	1.371	-	-	0.03	0.670	0.918
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	20850	2510	open	19.95	21.40	1.396	-	-	0.02	0.623	0.870
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	21350	2560	open	19.91	21.40	1.409	-	-	0.14	0.635	0.895
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	21100	2535	open	19.97	21.40	1.390	-	-	0.09	0.622	0.865
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	20850	2510	open	19.84	21.40	1.432	-	-	-0.12	0.630	0.902
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	21350	2560	open	19.81	21.40	1.442	-	-	0.14	0.613	0.884
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI3	21100	2535	open	19.87	21.40	1.422	-	-	0.08	0.637	0.906
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	21100	2535	open	20.03	21.40	1.371	-	-	-0.09	0.909	1.246
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	20850	2510	open	19.95	21.40	1.396	-	-	0.13	0.812	1.134
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	21350	2560	open	19.91	21.40	1.409	-	-	0.11	0.805	1.134
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	21100	2535	open	19.97	21.40	1.390	-	-	0.05	0.832	1.156
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	20850	2510	open	19.84	21.40	1.432	-	-	-0.02	0.822	1.177
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	21350	2560	open	19.81	21.40	1.442	-	-	0.07	0.817	1.178
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI3	21100	2535	open	19.87	21.40	1.422	-	-	-0.11	0.809	1.151
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI3	21100	2535	open	20.03	21.40	1.371	-	-	0.01	0.823	1.128
	LTE Band 7	20M	QPSK	1	0	-	Front	13mm	Ant 1	-	DSI4	21100	2535	open	22.30	23.00	1.175	-	-	0.03	0.249	0.293
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 1	-	DSI4	21100	2535	open	22.30	23.00	1.175	-	-	-0.09	0.336	0.395
	LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	DSI3	21100+21298	2535+2554.8	open	19.87	21.40	1.422	-	-	0.03	0.832	1.183
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	21100	2535	open	17.46	18.20	1.186	-	-	-0.17	0.793	0.940
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	20850	2510	open	17.38	18.20	1.208	-	-	-0.13	0.816	0.986
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	21350	2560	open	17.41	18.20	1.199	-	-	0.06	0.848	1.017
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	21100	2535	open	17.39	18.20	1.205	-	-	0.05	0.786	0.947
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	20850	2510	open	17.28	18.20	1.236	-	-	0.01	0.803	0.992
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	21350	2560	open	17.24	18.20	1.247	-	-	0.06	0.795	0.992
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI3	21100	2535	open	17.32	18.20	1.225	-	-	-0.16	0.782	0.958
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	21100	2535	open	17.46	18.20	1.186	-	-	0.01	1.050	1.245
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	20850	2510	open	17.38	18.20	1.208	-	-	-0.17	0.951	1.149
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	21350	2560	open	17.41	18.20	1.199	-	-	-0.13	1.000	1.199
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	21100	2535	open	17.39	18.20	1.205	-	-	0.1	0.995	1.199
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	20850	2510	open	17.28	18.20	1.236	-	-	-0.01	0.984	1.216
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	21350	2560	open	17.24	18.20	1.247	-	-	0.06	0.958	1.195
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI3	21100	2535	open	17.32	18.20	1.225	-	-	0.08	0.938	1.149
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 2	Headset	DSI3	21100	2535	open	17.46	18.20	1.186	-	-	0.05	0.916	1.086
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3 Simultaneous	21100	2535	open	16.42	17.70	1.343	-	-	-0.09	0.726	0.975
	LTE Band 7	20M	QPSK	1	0	-	Front	13mm	Ant 2	-	DSI4	21350	2560	open	22.08	23.00	1.236	-	-	0.06	0.561	0.693
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	-	DSI4	21100	2535	open	22.13	23.00	1.222	-	-	0.01	0.653	0.798
	LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 2	-	DSI3	21100+21298	2535+2554.8	open	17.34	18.20	1.219	-	-	0.03	0.926	1.129
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	21100	2535	open	22.15	22.80	1.161	-	-	0.04	0.710	0.825
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	20850	2510	open	22.08	22.80	1.180	-	-	0.08	0.698	0.824
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	21350	2560	open	22.11	22.80	1.172	-	-	-0.04	0.716	0.839
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	21100	2535	open	22.09	22.80	1.178	-	-	0.09	0.695	0.818
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	20850	2510	open	21.99	22.80	1.205	-	-	-0.18	0.668	0.805
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	21350	2560	open	22.04	22.80	1.191	-	-	0.01	0.679	0.809
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI3	21100	2535	open	22.06	22.80	1.186	-	-	0.13	0.692	0.821
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	21100	2535	open	22.15	22.80	1.161	-	-	-0.05	0.984	1.143
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	20850	2510	open	22.08	22.80	1.180	-	-	-0.07	0.947	1.118
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	21350	2560	open	22.11	22.80	1.172	-	-	0.09	1.020	1.196
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	21100	2535	open	22.09	22.80	1.178	-	-	0.1	0.920	1.083
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	20850	2510	open	21.99	22.80	1.205	-	-	-0.16	0.956	1.152
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	21350	2560	open	22.04	22.80	1.191	-	-	0.04	0.950	1.132
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	DSI3	21100	2535	open	22.06	22.80	1.186	-	-	-0.05	0.946	1.122
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3 Simultaneous	21350	2560	open	21.17	22.30	1.297	-	-	0.03	0.761	0.987



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	LTE Band 7	20M	QPSK	1	0	-	Front	13mm	Ant 3	-	DSI4	21350	2560	open	23.24	24.00	1.191	-	-	-0.04	0.330	0.393
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 3	-	DSI4	21350	2560	open	23.24	24.00	1.191	-	-	0.17	0.266	0.317
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	21350+21152	2560+2540.2	open	22.00	22.80	1.202	-	-	0.03	0.953	1.146
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	40620	2593	open	20.77	22.00	1.327	62.9	1.006	0.14	0.260	0.347
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	40620	2593	open	19.74	21.00	1.337	62.9	1.006	-0.05	0.216	0.290
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	40620	2593	open	20.77	22.00	1.327	62.9	1.006	-0.09	0.412	0.550
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	40620	2593	open	19.74	21.00	1.337	62.9	1.006	0.09	0.340	0.457
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	40620	2593	open	23.76	25.00	1.330	42.9	1.009	0.06	0.581	0.780
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI3	40620+40818	2593+2612.8	open	20.73	22.00	1.340	62.9	1.006	0.01	0.399	0.538
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI3	40620+40818	2593+2612.8	open	23.69	25.00	1.352	42.9	1.009	0.02	0.386	0.527
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	40620	2593	open	22.69	23.60	1.233	62.9	1.006	-0.18	0.456	0.566
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	40620	2593	open	21.64	23.00	1.368	62.9	1.006	-0.1	0.394	0.542
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	40620	2593	open	22.69	23.60	1.233	62.9	1.006	0.09	0.878	1.089
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	39750	2506	open	22.54	23.60	1.276	62.9	1.006	0.05	0.844	1.084
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	40185	2549.5	open	22.62	23.60	1.253	62.9	1.006	-0.16	0.893	1.126
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41055	2636.5	open	22.51	23.60	1.285	62.9	1.006	-0.09	0.964	1.246
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41490	2680	open	22.48	23.60	1.294	62.9	1.006	0.05	0.929	1.210
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	40620	2593	open	21.64	23.00	1.368	62.9	1.006	0.03	0.707	0.973
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	39750	2506	open	21.54	23.00	1.400	62.9	1.006	0.04	0.684	0.963
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	40185	2549.5	open	21.57	23.00	1.390	62.9	1.006	-0.09	0.717	1.003
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	41055	2636.5	open	21.55	23.00	1.396	62.9	1.006	-0.14	0.711	0.999
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	41490	2680	open	21.44	23.00	1.432	62.9	1.006	-0.15	0.739	1.065
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI3	40620	2593	open	21.58	23.00	1.387	62.9	1.006	0.07	0.692	0.965
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41055	2636.5	open	23.94	25.20	1.337	42.9	1.009	0.09	0.922	1.243
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI3	41055	2636.5	open	22.51	23.60	1.285	62.9	1.006	0.03	0.836	1.081
	LTE Band 41	20M	QPSK	1	0	-	Front	13mm	Ant 1	-	DSI4	40620	2593	open	22.69	24.00	1.352	62.9	1.006	-0.18	0.108	0.147
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 1	-	DSI4	41055	2636.5	open	22.51	24.00	1.409	62.9	1.006	-0.09	0.154	0.218
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	DSI3	41055+41253	2636.5+2656.3	open	22.49	23.60	1.291	62.9	1.006	0.02	0.915	1.189
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	DSI3	41055+41253	2636.5+2656.3	open	23.89	25.20	1.352	42.9	1.009	0.05	0.866	1.181
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	40620	2593	open	20.89	21.70	1.205	62.9	1.006	0.03	0.534	0.647
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	39750	2506	open	20.75	21.70	1.245	62.9	1.006	-0.16	0.556	0.696
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	40185	2549.5	open	20.84	21.70	1.219	62.9	1.006	0.06	0.538	0.660
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	41055	2636.5	open	20.83	21.70	1.222	62.9	1.006	-0.1	0.498	0.612
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	41490	2680	open	20.79	21.70	1.233	62.9	1.006	0.19	0.511	0.634
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	40620	2593	open	20.83	21.70	1.222	62.9	1.006	-0.1	0.512	0.629
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	39750	2506	open	20.71	21.70	1.256	62.9	1.006	0.03	0.492	0.622
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	40185	2549.5	open	20.76	21.70	1.242	62.9	1.006	-0.16	0.488	0.610
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	41055	2636.5	open	20.67	21.70	1.268	62.9	1.006	0.02	0.525	0.670
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	41490	2680	open	20.71	21.70	1.256	62.9	1.006	0.11	0.509	0.643
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI3	40620	2593	open	20.83	21.70	1.222	62.9	1.006	-0.08	0.486	0.597
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	40620	2593	open	20.89	21.70	1.205	62.9	1.006	0.09	1.010	1.224
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	39750	2506	open	20.75	21.70	1.245	62.9	1.006	0.17	0.930	1.164
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	40185	2549.5	open	20.84	21.70	1.219	62.9	1.006	0.08	0.967	1.186
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	41055	2636.5	open	20.83	21.70	1.222	62.9	1.006	0.17	0.934	1.148
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	41490	2680	open	20.79	21.70	1.233	62.9	1.006	0.18	0.925	1.147
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	40620	2593	open	20.83	21.70	1.222	62.9	1.006	-0.18	0.952	1.170
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	39750	2506	open	20.71	21.70	1.256	62.9	1.006	0.02	0.948	1.198
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	40185	2549.5	open	20.76	21.70	1.242	62.9	1.006	-0.02	0.963	1.203
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	41055	2636.5	open	20.67	21.70	1.268	62.9	1.006	-0.02	0.926	1.181
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	41490	2680	open	20.71	21.70	1.256	62.9	1.006	-0.08	0.938	1.185
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI3	40620	2593	open	20.83	21.70	1.222	62.9	1.006	0.06	0.925	1.137
56	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	40620	2593	open	22.17	23.30	1.297	42.9	1.009	0.01	0.959	<b>1.255</b>
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	Headset	DSI3	40620	2593	open	20.89	21.70	1.205	62.9	1.006	0.02	0.938	1.137
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	40620	2593	open	19.95	20.90	1.245	62.9	1.006	-0.09	0.792	0.992
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3 Simultaneous	40620	2593	open	21.29	22.50	1.321	42.9	1.009	0.01	0.721	0.961



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	LTE Band 41	20M	QPSK	1	0	-	Front	13mm	Ant 2	-	DSI4	39750	2506	open	22.57	24.00	1.390	62.9	1.006	-0.16	0.432	0.604
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	-	DSI4	40620	2593	open	22.68	24.00	1.355	62.9	1.006	-0.04	0.292	0.398
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 2	-	DSI3	40620+40818	2593+2612.8	open	20.76	21.70	1.242	62.9	1.006	0.03	0.942	1.177
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 2	-	DSI3	40620+40818	2593+2612.8	open	22.11	23.30	1.315	42.9	1.009	0.04	0.857	1.137
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	40620	2593	open	23.85	24.00	1.035	62.9	1.006	-0.16	0.537	0.559
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	40620	2593	open	22.80	23.00	1.047	62.9	1.006	0.09	0.393	0.414
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	40620	2593	open	23.85	24.00	1.035	62.9	1.006	0.02	0.991	1.032
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	39750	2506	open	23.65	24.00	1.084	62.9	1.006	0.1	0.988	1.077
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	40185	2549.5	open	23.73	24.00	1.064	62.9	1.006	0.04	0.937	1.003
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41055	2636.5	open	23.67	24.00	1.079	62.9	1.006	0.11	0.987	1.071
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41490	2680	open	23.58	24.00	1.102	62.9	1.006	0.09	1.070	1.186
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	40620	2593	open	22.80	23.00	1.047	62.9	1.006	-0.17	0.837	0.882
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	39750	2506	open	22.66	23.00	1.081	62.9	1.006	-0.08	0.849	0.924
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	40185	2549.5	open	22.72	23.00	1.067	62.9	1.006	0.01	0.855	0.917
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	41055	2636.5	open	22.69	23.00	1.074	62.9	1.006	0.06	0.821	0.887
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	41490	2680	open	22.55	23.00	1.109	62.9	1.006	0.09	0.863	0.963
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	DSI3	40620	2593	open	22.75	23.00	1.059	62.9	1.006	0.06	0.837	0.892
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41490	2680	open	25.38	25.90	1.127	42.9	1.009	0.07	1.030	1.171
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41490	2680	open	22.99	24.00	1.262	62.9	1.006	-0.04	0.747	0.948
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3 Simultaneous	41490	2680	open	24.60	25.70	1.288	42.9	1.009	-0.04	0.727	0.945
	LTE Band 41C	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3 Simultaneous	41490	2680	open	23.43	24.00	1.140	62.9	1.006	0.03	0.932	1.069
	LTE Band 41C HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41490+41292	2680+2660.2	open	25.16	25.90	1.186	42.9	1.009	0.05	0.911	1.090
	LTE Band 41	20M	QPSK	1	0	-	Front	13mm	Ant 3	-	DSI4	40620	2593	open	23.85	24.00	1.035	62.9	1.006	0.03	0.306	0.319
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 3	-	DSI4	41490	2680	open	23.58	24.00	1.102	62.9	1.006	0.01	0.286	0.317
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI3	507000	2535	open	21.43	22.50	1.279	-	-	0.07	0.738	0.944
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI3	507000	2535	open	21.36	22.50	1.300	-	-	-0.09	0.710	0.923
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI3	507000	2535	open	20.94	22.00	1.276	-	-	0.03	0.660	0.842
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI3	507000	2535	open	21.43	22.50	1.279	-	-	-0.18	0.922	1.180
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI3	507000	2535	open	21.36	22.50	1.300	-	-	-0.09	0.936	1.217
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI3	507000	2535	open	20.94	22.00	1.276	-	-	-0.08	0.833	1.063
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	DSI3	507000	2535	open	21.36	22.50	1.300	-	-	0.01	0.822	1.069
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	13mm	Ant 0	-	DSI4	507000	2535	open	21.96	23.00	1.271	-	-	-0.18	0.154	0.196
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 0	-	DSI4	507000	2535	open	21.90	23.00	1.288	-	-	-0.09	0.160	0.206
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI3	507000	2535	open	19.83	21.00	1.309	-	-	-0.19	0.379	0.496
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI3	507000	2535	open	19.78	21.00	1.324	-	-	0.04	0.348	0.461
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	507000	2535	open	19.83	21.00	1.309	-	-	0.04	0.914	1.197
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	507000	2535	open	19.78	21.00	1.324	-	-	0.01	0.944	1.250
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	507000	2535	open	19.74	21.00	1.337	-	-	0.07	0.879	1.175
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	Headset	DSI3	507000	2535	open	19.78	21.00	1.324	-	-	0.03	0.814	1.078
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	13mm	Ant 1	-	DSI4	507000	2535	open	22.93	24.00	1.279	-	-	-0.19	0.242	0.310
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 1	-	DSI4	507000	2535	open	22.87	24.00	1.297	-	-	0.01	0.269	0.349
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI3	507000	2535	open	17.42	18.80	1.374	-	-	-0.02	0.755	1.037
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI3	507000	2535	open	17.38	18.80	1.387	-	-	-0.09	0.732	1.015
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI3	507000	2535	open	17.24	18.80	1.432	-	-	0.13	0.702	1.005
57	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI3	507000	2535	open	17.42	18.80	1.374	-	-	0.01	0.913	1.255
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI3	507000	2535	open	17.38	18.80	1.387	-	-	0.04	0.900	1.248
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI3	507000	2535	open	17.24	18.80	1.432	-	-	-0.09	0.857	1.227
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	Headset	DSI3	507000	2535	open	17.42	18.80	1.374	-	-	0.05	0.806	1.107
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	13mm	Ant 2	-	DSI4	507000	2535	open	23.91	24.00	1.021	-	-	-0.09	0.749	0.765
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	-	DSI4	507000	2535	open	23.91	24.00	1.021	-	-	0.01	0.695	0.710
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI3	507000	2535	open	21.87	22.80	1.239	-	-	0.02	0.584	0.723
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI3	507000	2535	open	21.81	22.80	1.256	-	-	-0.04	0.609	0.765
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI3	507000	2535	open	21.87	22.80	1.239	-	-	-0.05	0.924	1.145
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI3	507000	2535	open	21.81	22.80	1.256	-	-	0.01	0.937	1.177
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI3	507000	2535	open	21.76	22.80	1.271	-	-	-0.16	0.907	1.152



	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI3 Simultaneous	507000	2535	open	20.71	21.80	1.285	-	-	-0.03	0.766	0.985
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	13mm	Ant 3	-	DSI4	507000	2535	open	23.73	24.00	1.064	-	-	0.04	0.317	0.337
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 3	-	DSI4	507000	2535	open	23.73	24.00	1.064	-	-	0.01	0.267	0.284
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI3	518598	2592.99	open	21.86	23.00	1.300	-	-	0.08	0.467	0.607
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI3	518598	2592.99	open	21.78	23.00	1.324	-	-	0.07	0.538	0.712
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	518598	2592.99	open	21.86	23.00	1.300	-	-	-0.09	0.840	1.092
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	518598	2592.99	open	21.78	23.00	1.324	-	-	-0.16	0.819	1.085
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	518598	2592.99	open	20.56	22.00	1.393	-	-	-0.15	0.614	0.855
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	518598	2592.99	open	24.92	26.00	1.282	50	1.000	0.09	0.793	1.017
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	13mm	Ant 0	-	DSI4	518598	2592.99	open	21.78	23.00	1.324	-	-	0.03	0.136	0.180
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 0	-	DSI4	518598	2592.99	open	21.86	23.00	1.300	-	-	0.01	0.155	0.202
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI3	518598	2592.99	open	20.44	21.70	1.337	-	-	-0.16	0.536	0.716
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI3	518598	2592.99	open	20.39	21.70	1.352	-	-	-0.12	0.515	0.696
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	open	20.44	21.70	1.337	-	-	0.03	0.910	1.216
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	open	20.39	21.70	1.352	-	-	0.01	0.927	1.253
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	open	20.35	21.70	1.365	-	-	-0.09	0.889	1.213
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	open	23.50	24.70	1.318	50	1.000	0.02	0.906	1.194
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	Headset	DSI3	518598	2592.99	open	20.39	21.70	1.352	-	-	0.05	0.846	1.144
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	13mm	Ant 1	-	DSI4	518598	2592.99	open	22.97	24.00	1.268	-	-	-0.16	0.214	0.271
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	-	DSI4	518598	2592.99	open	22.91	24.00	1.285	-	-	0.01	0.228	0.293
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI3	518598	2592.99	open	18.19	19.20	1.262	-	-	-0.13	0.885	1.117
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI3	518598	2592.99	open	18.10	19.20	1.288	-	-	0.1	0.920	1.185
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI3	518598	2592.99	open	18.11	19.20	1.285	-	-	-0.15	0.865	1.112
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	518598	2592.99	open	18.19	19.20	1.262	-	-	0.01	0.982	1.239
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	518598	2592.99	open	18.10	19.20	1.288	-	-	-0.16	0.949	1.223
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	518598	2592.99	open	18.11	19.20	1.285	-	-	0.07	0.935	1.202
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	518598	2592.99	open	21.22	22.20	1.253	50	1.000	0.02	0.932	1.168
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	DSI3	518598	2592.99	open	18.19	19.20	1.262	-	-	0.06	0.855	1.079
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3 Simultaneous	518598	2592.99	open	15.80	16.80	1.259	-	-	0.05	0.506	0.637
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3 Simultaneous	518598	2592.99	open	18.83	19.80	1.250	50	1.000	0.03	0.496	0.620
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	13mm	Ant 2	-	DSI4	518598	2592.99	open	23.72	24.00	1.067	-	-	0.1	0.593	0.632
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	-	DSI4	518598	2592.99	open	23.79	24.00	1.050	-	-	0.01	0.616	0.647
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	518598	2592.99	open	22.77	23.40	1.156	-	-	0.04	1.010	1.168
58	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	518598	2592.99	open	22.70	23.40	1.175	-	-	0.08	1.070	1.257
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	518598	2592.99	open	22.66	23.40	1.186	-	-	0.04	0.982	1.164
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	open	22.77	23.40	1.156	-	-	-0.1	0.965	1.116
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	open	22.70	23.40	1.175	-	-	0.04	0.973	1.143
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	open	22.66	23.40	1.186	-	-	-0.04	0.915	1.085
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	518598	2592.99	open	25.63	26.40	1.194	50	1.000	-0.14	0.999	1.193
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3 Simultaneous	518598	2592.99	open	21.07	22.50	1.390	-	-	-0.08	0.713	0.991
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3 Simultaneous	518598	2592.99	open	24.12	25.50	1.374	50	1.000	-0.08	0.698	0.959
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	Headset	DSI3	518598	2592.99	open	22.70	23.40	1.175	-	-	0.05	0.938	1.102
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	13mm	Ant 3	-	DSI4	518598	2592.99	open	24.08	24.50	1.102	-	-	0.08	0.362	0.399
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	-	DSI4	518598	2592.99	open	24.08	24.50	1.102	-	-	0.04	0.290	0.319
<b>3500MHz</b>																						
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	42590	3500	open	20.74	22.00	1.337	62.9	1.006	-0.11	0.174	0.234
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	42590	3500	open	19.74	21.00	1.337	62.9	1.006	-0.14	0.109	0.147
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	42590	3500	open	20.74	22.00	1.337	62.9	1.006	0.08	0.199	0.268
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	42590	3500	open	19.74	21.00	1.337	62.9	1.006	-0.18	0.143	0.192
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	42590	3500	open	23.71	24.00	1.069	62.9	1.006	0.09	0.269	0.289
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	42590	3500	open	22.65	23.00	1.084	62.9	1.006	0.02	0.154	0.168
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	42590	3500	open	23.71	24.00	1.069	62.9	1.006	-0.09	0.441	0.474
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	42590	3500	open	22.65	23.00	1.084	62.9	1.006	0.13	0.378	0.412
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	42590	3500	open	20.50	21.40	1.230	62.9	1.006	0.04	0.514	0.636
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	42590	3500	open	20.38	21.40	1.265	62.9	1.006	0.03	0.466	0.593



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	42590	3500	open	20.50	21.40	1.230	62.9	1.006	0.03	0.953	1.179
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	42190	3460	open	20.41	21.40	1.256	62.9	1.006	0.19	0.926	1.170
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	42990	3540	open	20.45	21.40	1.245	62.9	1.006	0.01	0.998	1.249
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	42590	3500	open	20.38	21.40	1.265	62.9	1.006	0.02	0.871	1.108
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	42190	3460	open	20.26	21.40	1.300	62.9	1.006	0.05	0.866	1.133
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	42990	3540	open	20.27	21.40	1.297	62.9	1.006	-0.18	0.895	1.168
LTE Band 42 Part27Q	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	DSI3	42590	3500	open	20.35	21.40	1.274	62.9	1.006	0.02	0.843	1.080
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	Headset	DSI3	42990	3540	open	20.45	21.40	1.245	62.9	1.006	0.03	0.876	1.097
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	13mm	Ant 3	-	DSI4	42590	3500	open	23.32	24.00	1.169	62.9	1.006	0.04	0.285	0.335
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	15mm	Ant 3	-	DSI4	42990	3540	open	23.26	24.00	1.186	62.9	1.006	0.01	0.275	0.328
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	42590	3500	open	21.49	22.00	1.125	62.9	1.006	-0.18	0.524	0.593
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	42590	3500	open	20.33	21.00	1.167	62.9	1.006	0.09	0.346	0.406
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	42590	3500	open	21.49	22.00	1.125	62.9	1.006	0.05	0.969	1.096
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	42190	3460	open	21.35	22.00	1.161	62.9	1.006	0.04	1.010	1.180
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	42990	3540	open	21.41	22.00	1.146	62.9	1.006	-0.11	0.912	1.051
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	42590	3500	open	20.33	21.00	1.167	62.9	1.006	0.07	0.808	0.948
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	42190	3460	open	20.22	21.00	1.197	62.9	1.006	0.03	0.795	0.957
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	42990	3540	open	20.29	21.00	1.178	62.9	1.006	0.04	0.788	0.934
LTE Band 42 Part27Q	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI3	42590	3500	open	20.26	21.00	1.186	62.9	1.006	0.06	0.783	0.934
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	13mm	Ant 2	-	DSI4	42590	3500	open	21.49	22.00	1.125	62.9	1.006	0.03	0.512	0.579
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	15mm	Ant 2	-	DSI4	42190	3460	open	21.35	22.00	1.161	62.9	1.006	0.01	0.620	0.724
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	55830	3609	open	20.84	22.00	1.306	62.9	1.006	0.09	0.040	0.053
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	55830	3609	open	20.64	21.00	1.086	62.9	1.006	0.08	0.031	0.034
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	55830	3609	open	20.84	22.00	1.306	62.9	1.006	0.13	0.145	0.191
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	55830	3609	open	20.64	21.00	1.086	62.9	1.006	0.06	0.115	0.126
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	55830	3609	open	23.88	24.00	1.028	62.9	1.006	0.08	0.274	0.283
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	55830	3609	open	23.74	24.00	1.062	62.9	1.006	-0.15	0.239	0.255
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	55830	3609	open	23.88	24.00	1.028	62.9	1.006	0.09	0.396	0.410
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	55830	3609	open	23.74	24.00	1.062	62.9	1.006	-0.02	0.362	0.387
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	55830	3609	open	21.44	22.00	1.138	62.9	1.006	-0.07	0.765	0.876
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	55340	3560	open	21.36	22.00	1.159	62.9	1.006	0.05	0.810	0.944
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	56150	3641	open	21.41	22.00	1.146	62.9	1.006	0.07	0.796	0.917
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI3	56640	3690	open	21.31	22.00	1.172	62.9	1.006	0.05	0.749	0.883
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	55830	3609	open	21.38	22.00	1.153	62.9	1.006	-0.17	0.764	0.887
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	55340	3560	open	21.34	22.00	1.164	62.9	1.006	-0.07	0.781	0.915
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	56150	3641	open	21.32	22.00	1.169	62.9	1.006	-0.07	0.773	0.909
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI3	56640	3690	open	21.25	22.00	1.189	62.9	1.006	0.02	0.784	0.937
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI3	55830	3609	open	21.33	22.00	1.167	62.9	1.006	-0.14	0.778	0.913
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	55830	3609	open	21.44	22.00	1.138	62.9	1.006	0.06	0.961	1.100
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	55340	3560	open	21.36	22.00	1.159	62.9	1.006	-0.09	0.911	1.062
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	56150	3641	open	21.41	22.00	1.146	62.9	1.006	0.01	0.953	1.098
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI3	56640	3690	open	21.31	22.00	1.172	62.9	1.006	0.07	1.060	1.250
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	55830	3609	open	21.38	22.00	1.153	62.9	1.006	-0.13	0.952	1.105
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	55340	3560	open	21.34	22.00	1.164	62.9	1.006	-0.13	0.935	1.095
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	56150	3641	open	21.32	22.00	1.169	62.9	1.006	0.12	0.953	1.121
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI3	56640	3690	open	21.25	22.00	1.189	62.9	1.006	-0.04	0.916	1.095
LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI3	55830	3609	open	21.33	22.00	1.167	62.9	1.006	0.05	0.952	1.117
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	Headset	DSI3	56640	3690	open	21.31	22.00	1.172	62.9	1.006	0.02	0.945	1.114
LTE Band 48	20M	QPSK	1	0	-	Front	13mm	Ant 2	-	DSI4	55340	3560	open	21.36	22.00	1.159	62.9	1.006	0.06	0.486	0.567
LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 2	-	DSI4	56640	3690	open	21.31	22.00	1.172	62.9	1.006	0.04	0.603	0.711
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	55830	3609	open	20.10	21.40	1.349	62.9	1.006	0.07	0.563	0.764
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	55340	3560	open	20.06	21.40	1.361	62.9	1.006	0.07	0.587	0.804
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	56150	3641	open	20.05	21.40	1.365	62.9	1.006	-0.14	0.652	0.895
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	56640	3690	open	20.02	21.40	1.374	62.9	1.006	-0.07	0.612	0.846
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	55830	3609	open	20.07	21.40	1.358	62.9	1.006	0.06	0.590	0.806
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	55340	3560	open	19.98	21.40	1.387	62.9	1.006	0.07	0.604	0.843





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**Report No. : FA2D0913-01**

	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	56150	3641	open	19.97	21.40	1.390	62.9	1.006	0.06	0.584	0.817
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	56640	3690	open	19.91	21.40	1.409	62.9	1.006	0.05	0.593	0.841
	LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI3	55830	3609	open	19.82	21.40	1.439	62.9	1.006	0.1	0.585	0.847
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	55830	3609	open	20.10	21.40	1.349	62.9	1.006	0.02	0.875	1.187
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	55340	3560	open	20.06	21.40	1.361	62.9	1.006	0.07	0.810	1.109
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	56150	3641	open	20.05	21.40	1.365	62.9	1.006	0.01	0.812	1.115
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	56640	3690	open	20.02	21.40	1.374	62.9	1.006	-0.09	0.901	1.245
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	55830	3609	open	20.07	21.40	1.358	62.9	1.006	0.1	0.870	1.189
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	55340	3560	open	19.98	21.40	1.387	62.9	1.006	0.14	0.857	1.196
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	56150	3641	open	19.97	21.40	1.390	62.9	1.006	0.03	0.856	1.197
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	56640	3690	open	19.91	21.40	1.409	62.9	1.006	0.18	0.866	1.228
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	DSI3	55830	3609	open	19.82	21.40	1.439	62.9	1.006	-0.13	0.837	1.212
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	Headset	DSI3	56640	3690	open	20.02	21.40	1.374	62.9	1.006	0.01	0.822	1.136
	LTE Band 48	20M	QPSK	1	0	-	Front	13mm	Ant 3	-	DSI4	56150	3641	open	23.41	24.00	1.146	62.9	1.006	-0.14	0.311	0.358
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 3	-	DSI4	56640	3690	open	23.27	24.00	1.183	62.9	1.006	-0.09	0.309	0.368
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI3	656000	3840	open	20.43	21.00	1.140	-	-	0.03	0.205	0.234
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI3	656000	3840	open	20.38	21.00	1.153	-	-	-0.05	0.189	0.218
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	656000	3840	open	20.43	21.00	1.140	-	-	0.04	0.251	0.286
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	656000	3840	open	20.38	21.00	1.153	-	-	0.02	0.221	0.255
	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI3	656000	3840	open	23.42	24.00	1.143	50	1.000	0.01	0.261	0.298
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI3	656000	3840	open	23.24	24.00	1.191	-	-	-0.07	0.269	0.320
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI3	656000	3840	open	23.19	24.00	1.205	-	-	0.06	0.201	0.242
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	656000	3840	open	23.24	24.00	1.191	-	-	0.05	0.349	0.416
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	656000	3840	open	23.19	24.00	1.205	-	-	-0.02	0.301	0.363
	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	656000	3840	open	26.17	27.00	1.211	50	1.000	-0.12	0.325	0.393
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI3	656000	3840	open	18.85	19.70	1.216	-	-	0.07	0.833	1.013
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI3	656000	3840	open	18.75	19.70	1.245	-	-	0.15	0.816	1.016
	FR1 n77_Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI3	656000	3840	open	18.63	19.70	1.279	-	-	0.17	0.786	1.006
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	656000	3840	open	18.85	19.70	1.216	-	-	0.09	1.030	1.253
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	656000	3840	open	18.75	19.70	1.245	-	-	0.13	0.944	1.175
	FR1 n77_Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	656000	3840	open	18.63	19.70	1.279	-	-	0.12	0.902	1.154
	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI3	656000	3840	open	22.01	22.70	1.172	50	1.000	-0.06	1.050	1.231
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	DSI3	656000	3840	open	18.85	19.70	1.216	-	-	0.06	0.925	1.125
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	13mm	Ant 2	-	DSI4	656000	3840	open	23.08	24.00	1.236	-	-	0.07	0.373	0.461
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	-	DSI4	656000	3840	open	23.13	24.00	1.222	-	-	0.09	0.357	0.436
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	656000	3840	open	18.69	19.80	1.291	-	-	0.15	0.773	0.998
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	656000	3840	open	18.65	19.80	1.303	-	-	0.04	0.760	0.990
	FR1 n77_Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	656000	3840	open	18.57	19.80	1.327	-	-	0.03	0.742	0.985
59	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	656000	3840	open	18.69	19.80	1.291	-	-	0.01	0.971	1.254
	FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	656000	3840	open	18.65	19.80	1.303	-	-	0.06	0.953	1.242
	FR1 n77_Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	656000	3840	open	18.57	19.80	1.327	-	-	-0.13	0.912	1.211
	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	656000	3840	open	21.34	22.80	1.400	50	1.000	0.06	0.888	1.243
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	Headset	DSI3	656000	3840	open	18.69	19.80	1.291	-	-	0.03	0.811	1.047
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	13mm	Ant 3	-	DSI4	656000	3840	open	23.09	24.00	1.233	-	-	0.15	0.536	0.661
	FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 3	-	DSI4	656000	3840	open	23.09	24.00	1.233	-	-	0.01	0.417	0.514



# FCC SAR Test Report

Report No. : FA2D0913-01

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	EUT Flip State	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)	
<b>WLAN/BT</b>																			
60	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	Standalone	11	2462	open	19.95	21.50	1.429	100	1.000	0.01	0.942	<b>1.346</b>	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	Standalone	6	2437	open	19.74	21.50	1.500	100	1.000	0.04	0.820	1.230	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	Standalone	1	2412	open	19.74	21.50	1.500	100	1.000	0.03	0.803	1.204	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	Standalone	11	2462	open	19.95	21.50	1.429	100	1.000	0.03	0.771	1.102	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	Standalone	6	2437	open	19.74	21.50	1.500	100	1.000	0.04	0.754	1.131	
	WLAN2.4GHz	802.11g 6Mbps	Front	5mm	Ant 4+5(5)	-	Standalone	11	2462	open	19.58	21.00	1.387	98.97	1.010	0.03	0.824	1.154	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	Headset	Standalone	11	2462	open	19.95	21.50	1.429	100	1.000	0.03	0.823	1.176	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	11	2462	open	16.93	18.50	1.435	100	1.000	0.09	0.533	0.765	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	11	2462	open	16.93	18.50	1.435	100	1.000	0.06	0.326	0.468	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	WWAN+ non DBS	11	2462	open	13.92	15.50	1.439	100	1.000	0.07	0.244	0.351	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	WWAN+ non DBS	11	2462	open	13.92	15.50	1.439	100	1.000	0.01	0.102	0.147	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	WWAN+DBS	11	2462	open	10.91	12.50	1.442	100	1.000	0.09	0.122	0.176	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	WWAN+DBS	11	2462	open	10.91	12.50	1.442	100	1.000	0.05	0.095	0.137	
	WLAN2.4GHz	802.11b 1Mbps	Front	13mm	Ant 4+5(5)	-	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.03	0.332	0.484	
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 4+5(5)	-	Full power	6	2437	open	21.19	23.00	1.517	100	1.000	0.01	0.285	0.432	
61	Bluetooth	1Mbps	Front	5mm	Ant 4	-	Full power	39	2441	Open	11.57	12.00	1.104	77.03	1.081	0.07	0.076	<b>0.091</b>	
	Bluetooth	1Mbps	Back	5mm	Ant 4	-	Full power	39	2441	Open	11.57	12.00	1.104	77.03	1.081	0.04	0.063	0.075	
	Bluetooth	1Mbps	Front	5mm	Ant 5	-	Full power	39	2441	Open	8.53	9.00	1.114	76.86	1.084	0.12	0.044	0.053	
	Bluetooth	1Mbps	Back	5mm	Ant 5	-	Full power	39	2441	Open	8.53	9.00	1.114	76.86	1.084	0.04	0.039	0.047	
62	WLAN 5.3GHz	802.11a 6Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	56	5280	Open	18.89	20.50	1.449	99.32	1.007	0.03	0.506	<b>0.738</b>	
	WLAN 5.3GHz	802.11a 6Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	56	5280	Open	18.89	20.50	1.449	99.32	1.007	0.01	0.425	0.620	
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+ non DBS	58	5290	Open	16.21	18.00	1.510	100	1.000	0.06	0.250	0.378	
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+ non DBS	58	5290	Open	16.21	18.00	1.510	100	1.000	0.03	0.086	0.130	
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+DBS	58	5290	Open	13.22	15.00	1.507	100	1.000	-0.13	0.123	0.185	
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+DBS	58	5290	Open	13.22	15.00	1.507	100	1.000	0.06	0.086	0.130	
	WLAN 5.3GHz	802.11a 6Mbps	Front	13mm	Ant 4+5(4)	-	Full power	56	5280	Open	18.89	20.50	1.449	99.32	1.007	0.03	0.123	0.179	
	WLAN 5.3GHz	802.11a 6Mbps	Back	15mm	Ant 4+5(4)	-	Full power	56	5280	Open	18.89	20.50	1.449	99.32	1.007	0.01	0.086	0.125	
63	WLAN 5.5GHz	802.11a 6Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	140	5700	Open	18.49	20.00	1.416	99.32	1.007	-0.07	0.548	<b>0.781</b>	
	WLAN 5.5GHz	802.11a 6Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	140	5700	Open	18.49	20.00	1.416	99.32	1.007	0.06	0.390	0.556	
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+ non DBS	138	5690	Open	16.52	18.00	1.406	100	1.000	0.05	0.244	0.343	
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+ non DBS	138	5690	Open	16.52	18.00	1.406	100	1.000	0.03	0.096	0.135	
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+DBS	138	5690	Open	13.41	15.00	1.442	100	1.000	-0.02	0.126	0.182	
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+DBS	138	5690	Open	13.41	15.00	1.442	100	1.000	0.03	0.089	0.128	
	WLAN 5.5GHz	802.11a 6Mbps	Front	13mm	Ant 4+5(4)	-	Full power	140	5700	Open	18.49	20.00	1.416	99.32	1.007	0.03	0.136	0.194	
	WLAN 5.5GHz	802.11a 6Mbps	Back	15mm	Ant 4+5(4)	-	Full power	140	5700	Open	18.49	20.00	1.416	99.32	1.007	0.04	0.102	0.145	
64	WLAN 5.8GHz	802.11a 6Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	157	5785	Open	18.62	20.50	1.542	99.32	1.007	-0.03	0.231	<b>0.359</b>	
	WLAN 5.8GHz	802.11a 6Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	157	5785	Open	18.62	20.50	1.542	99.32	1.007	0.01	0.147	0.228	
	WLAN 5.8GHz	802.11n-HT40 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+ non DBS	151	5755	Open	17.53	19.00	1.403	100	1.000	0.06	0.110	0.154	
	WLAN 5.8GHz	802.11n-HT40 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+ non DBS	151	5755	Open	17.53	19.00	1.403	100	1.000	0.03	0.049	0.069	
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(4)	-	WWAN+DBS	155	5775	Open	14.16	15.50	1.361	100	1.000	-0.13	0.072	0.098	
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(4)	-	WWAN+DBS	155	5775	Open	14.16	15.50	1.361	100	1.000	0.03	0.035	0.048	
	WLAN 5.8GHz	802.11a 6Mbps	Front	13mm	Ant 4+5(4)	-	Full power	157	5785	Open	18.62	20.50	1.542	99.32	1.007	0.02	0.109	0.169	
	WLAN 5.8GHz	802.11a 6Mbps	Back	15mm	Ant 4+5(4)	-	Full power	157	5785	Open	18.62	20.50	1.542	99.32	1.007	0.04	0.010	0.016	



Close

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	EUT Flip State	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)
<b>750MHz</b>																						
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	23095	707.5	close	22.89	24.00	1.291	-	-	0.03	0.001	0.001
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI5	23095	707.5	close	21.99	23.00	1.262	-	-	-0.12	0.001	0.001
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	23095	707.5	close	22.89	24.00	1.291	-	-	0.09	0.312	0.403
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI5	23095	707.5	close	21.99	23.00	1.262	-	-	0.08	0.171	0.216
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	23095	707.5	close	21.70	23.00	1.349	-	-	0.07	0.044	0.059
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	DSI5	23095	707.5	close	20.71	22.00	1.346	-	-	-0.12	0.003	0.004
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	23095	707.5	close	21.70	23.00	1.349	-	-	-0.05	0.293	0.395
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	DSI5	23095	707.5	close	20.71	22.00	1.346	-	-	0.14	0.161	0.217
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	23230	782	close	22.82	24.00	1.312	-	-	-0.09	0.055	0.072
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI5	23230	782	close	21.87	23.00	1.297	-	-	0.04	0.001	0.001
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	23230	782	close	22.82	24.00	1.312	-	-	-0.04	0.415	0.545
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI5	23230	782	close	21.87	23.00	1.297	-	-	0.03	0.227	0.294
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	23230	782	close	21.31	23.00	1.476	-	-	-0.14	0.055	0.081
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	DSI5	23230	782	close	20.43	22.00	1.435	-	-	-0.06	0.001	0.001
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	23230	782	close	21.31	23.00	1.476	-	-	-0.05	0.400	0.590
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	DSI5	23230	782	close	20.43	22.00	1.435	-	-	0.06	0.217	0.312
<b>835MHz</b>																						
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 0	-	DSI5	189	836.4	close	28.92	29.50	1.143	-	-	0.04	0.049	0.056
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	DSI5	189	836.4	close	28.92	29.50	1.143	-	-	-0.04	0.655	0.749
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 1	-	DSI5	189	836.4	close	27.85	29.00	1.303	-	-	0.04	0.039	0.051
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	-	DSI5	189	836.4	close	27.85	29.00	1.303	-	-	-0.12	0.470	0.612
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI5	4182	836.4	close	23.78	24.00	1.052	-	-	0.08	0.064	0.067
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI5	4182	836.4	close	23.78	24.00	1.052	-	-	0.04	0.546	0.574
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI5	4182	836.4	close	22.49	24.00	1.416	-	-	0.02	0.088	0.125
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI5	4182	836.4	close	22.49	24.00	1.416	-	-	-0.04	0.421	0.596
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	26865	831.5	close	22.89	24.00	1.291	-	-	0.04	0.088	0.114
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	DSI5	26865	831.5	close	21.81	23.00	1.315	-	-	0.15	0.024	0.032
65	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	26865	831.5	close	22.89	24.00	1.291	-	-	0.02	0.769	0.993
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	DSI5	26865	831.5	close	21.81	23.00	1.315	-	-	0.06	0.611	0.804
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	DSI5	26865	831.5	close	21.76	23.00	1.330	-	-	0.03	0.581	0.773
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	26865	831.5	close	21.38	22.00	1.153	-	-	0.18	0.048	0.055
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 1	-	DSI5	26865	831.5	close	20.32	21.00	1.169	-	-	-0.19	0.021	0.025
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	26865	831.5	close	21.38	22.00	1.153	-	-	-0.03	0.482	0.556
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 1	-	DSI5	26865	831.5	close	20.32	21.00	1.169	-	-	-0.08	0.331	0.387
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI5	167300	836.5	close	23.27	24.00	1.183	-	-	-0.09	0.001	0.001
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI5	167300	836.5	close	23.21	24.00	1.199	-	-	-0.12	0.046	0.055
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	167300	836.5	close	23.27	24.00	1.183	-	-	-0.07	0.451	0.534
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	167300	836.5	close	23.21	24.00	1.199	-	-	-0.03	0.503	0.603
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI5	167300	836.5	close	21.89	23.00	1.291	-	-	-0.09	0.084	0.108
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI5	167300	836.5	close	21.81	23.00	1.315	-	-	-0.13	0.082	0.108
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	167300	836.5	close	21.89	23.00	1.291	-	-	0.01	0.411	0.531
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	167300	836.5	close	21.81	23.00	1.315	-	-	-0.19	0.360	0.473
<b>1750MHz</b>																						
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI5	1413	1732.6	close	20.94	22.10	1.306	-	-	0.17	0.051	0.067
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI5	1413	1732.6	close	20.94	22.10	1.306	-	-	0.16	0.853	1.114
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI5	1312	1712.4	close	20.87	22.10	1.327	-	-	-0.07	0.817	1.084
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI5	1513	1752.6	close	20.79	22.10	1.352	-	-	0.06	0.912	1.233
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI5	1513	1752.6	close	20.79	22.10	1.352	-	-	0.08	0.877	1.186
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI5 Simultaneous	1513	1752.6	close	19.66	20.90	1.330	-	-	0.06	0.747	0.994
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	-	DSI4	1413	1732.6	close	21.99	23.00	1.262	-	-	0.17	0.031	0.039





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WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 0	-	DSI4	1513	1752.6	close	21.93	23.00	1.279	-	-	0.06	0.344	0.440
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI5	1413	1732.6	close	21.02	22.10	1.282	-	-	-0.11	0.118	0.151
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI5	1413	1732.6	close	21.02	22.10	1.282	-	-	0.1	0.849	1.089
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI5	1312	1712.4	close	20.93	22.10	1.309	-	-	0.13	0.879	1.151
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI5	1513	1752.6	close	20.88	22.10	1.324	-	-	0.08	0.931	1.233
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	Headset	DSI5	1513	1752.6	close	20.88	22.10	1.324	-	-	0.07	0.809	1.071
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI5 Simultaneous	1513	1752.6	close	19.77	21.00	1.327	-	-	-0.09	0.735	0.976
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	-	DSI4	1413	1732.6	close	22.96	24.00	1.271	-	-	-0.11	0.098	0.125
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 1	-	DSI4	1513	1752.6	close	22.83	24.00	1.309	-	-	0.08	0.298	0.390
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI5	1413	1732.6	close	23.34	24.00	1.164	-	-	0.03	0.712	0.829
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI5	1312	1712.4	close	23.29	24.00	1.178	-	-	0.1	0.701	0.826
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI5	1513	1752.6	close	23.22	24.00	1.197	-	-	-0.1	0.687	0.822
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	-	DSI5	1413	1732.6	close	23.34	24.00	1.164	-	-	0.07	0.200	0.233
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	-	DSI4	1413	1732.6	close	23.34	24.00	1.164	-	-	0.03	0.100	0.116
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 2	-	DSI4	1413	1732.6	close	23.34	24.00	1.164	-	-	0.02	0.321	0.374
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	1413	1732.6	close	24.34	24.50	1.038	-	-	-0.03	0.916	0.950
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	1312	1712.4	close	24.27	24.50	1.054	-	-	0.1	0.800	0.844
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	1513	1752.6	close	24.23	24.50	1.064	-	-	-0.1	0.811	0.863
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 3	-	DSI5	1413	1732.6	close	24.34	24.50	1.038	-	-	0.07	0.379	0.393
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 3	-	DSI4	1413	1732.6	close	24.34	24.50	1.038	-	-	0.06	0.498	0.517
WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 3	-	DSI4	1413	1732.6	close	24.34	24.50	1.038	-	-	0.1	0.203	0.211
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI5	349000	1745	close	22.35	23.00	1.161	-	-	0.09	0.001	0.001
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI5	349000	1745	close	22.29	23.00	1.178	-	-	-0.06	0.001	0.001
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	349000	1745	close	22.35	23.00	1.161	-	-	-0.18	0.257	0.298
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	349000	1745	close	22.29	23.00	1.178	-	-	-0.09	0.280	0.330
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI5	349000	1745	close	22.54	24.00	1.400	-	-	0.05	0.160	0.224
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI5	349000	1745	close	22.50	24.00	1.413	-	-	-0.05	0.152	0.215
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	349000	1745	close	22.54	24.00	1.400	-	-	-0.08	0.602	0.843
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	349000	1745	close	22.50	24.00	1.413	-	-	-0.07	0.592	0.836
FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	349000	1745	close	21.77	23.00	1.327	-	-	0.08	0.600	0.796
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	-	DSI4	349000	1745	close	22.54	24.00	1.400	-	-	0.03	0.087	0.122
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 1	-	DSI4	349000	1745	close	22.54	24.00	1.400	-	-	0.01	0.288	0.403
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI5	349000	1745	close	23.52	24.00	1.117	-	-	-0.06	0.756	0.844
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI5	349000	1745	close	23.50	24.00	1.122	-	-	0.08	0.738	0.828
FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI5	349000	1745	close	22.62	23.00	1.091	-	-	-0.16	0.583	0.636
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI5	349000	1745	close	23.52	24.00	1.117	-	-	0.07	0.312	0.348
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI5	349000	1745	close	23.50	24.00	1.122	-	-	0.13	0.298	0.334
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI5	349000	1745	close	23.56	24.00	1.107	-	-	0.01	0.629	0.696
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI5	349000	1745	close	23.50	24.00	1.122	-	-	0.09	0.549	0.616
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI5	349000	1745	close	23.56	24.00	1.107	-	-	0.08	0.625	0.692
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI5	349000	1745	close	23.50	24.00	1.122	-	-	-0.1	0.610	0.684
LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	132322	1745	close	20.36	21.00	1.159	-	-	0.01	0.069	0.080
LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI5	132322	1745	close	19.38	20.00	1.153	-	-	0.03	0.046	0.053
LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	132322	1745	close	20.36	21.00	1.159	-	-	-0.05	1.060	1.228
LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	132072	1720	close	20.26	21.00	1.186	-	-	0.07	0.960	1.138
LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	132572	1770	close	20.20	21.00	1.202	-	-	-0.01	0.911	1.095
LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	132322	1745	close	19.38	20.00	1.153	-	-	-0.02	0.814	0.939
LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	132072	1720	close	19.24	20.00	1.191	-	-	-0.03	0.801	0.954
LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	132572	1770	close	19.25	20.00	1.189	-	-	-0.05	0.795	0.945
LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI5	132322	1745	close	19.33	20.00	1.167	-	-	0.06	0.804	0.938
LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI5	132322	1745	close	20.36	21.00	1.159	-	-	0.09	0.951	1.102
LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 0	-	DSI4	132322	1745	close	20.36	21.00	1.159	-	-	0.03	0.028	0.032
LTE Band 66	20M	QPSK	1	0	-	Back	12mm	Ant 0	-	DSI4	132322	1745	close	20.36	21.00	1.159	-	-	0.1	0.321	0.372
LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	132322	1745	close	21.83	23.00	1.309	-	-	0.08	0.187	0.245
LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI5	132322	1745	close	20.85	22.00	1.303	-	-	0.02	0.109	0.142
LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	132322	1745	close	21.83	23.00	1.309	-	-	0.09	0.886	1.160



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	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	132072	1720	close	21.72	23.00	1.343	-	-	0.03	0.850	1.141
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	132572	1770	close	21.76	23.00	1.330	-	-	0.01	0.823	1.095
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	132322	1745	close	20.85	22.00	1.303	-	-	-0.05	0.700	0.912
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	132072	1720	close	20.77	22.00	1.327	-	-	0.02	0.683	0.907
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	132572	1770	close	20.82	22.00	1.312	-	-	0.03	0.675	0.886
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI5	132322	1745	close	20.77	22.00	1.327	-	-	0.09	0.651	0.864
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	-	DSI4	132322	1745	close	21.83	23.00	1.309	-	-	0.06	0.095	0.124
	LTE Band 66	20M	QPSK	1	0	-	Back	12mm	Ant 1	-	DSI4	132322	1745	close	21.83	23.00	1.309	-	-	0.01	0.295	0.386
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	132322	1745	close	21.57	22.00	1.104	-	-	0.08	0.529	0.584
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	132322	1745	close	20.72	21.00	1.067	-	-	-0.17	0.389	0.415
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI5	132322	1745	close	21.57	22.00	1.104	-	-	-0.17	0.145	0.160
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI5	132322	1745	close	20.72	21.00	1.067	-	-	-0.14	0.111	0.118
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	132322	1745	close	22.89	23.90	1.262	-	-	0.06	0.863	1.089
66	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	132072	1720	close	22.72	23.90	1.312	-	-	-0.05	0.949	1.245
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	132572	1770	close	22.83	23.90	1.279	-	-	0.09	0.874	1.118
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	132322	1745	close	22.13	23.00	1.222	-	-	0.02	0.751	0.918
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	132072	1720	close	22.09	23.00	1.233	-	-	0.01	0.732	0.903
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	132572	1770	close	22.03	23.00	1.250	-	-	0.06	0.725	0.906
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI5	132322	1745	close	22.11	23.00	1.227	-	-	0.02	0.722	0.886
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI5	132322	1745	close	22.89	23.90	1.262	-	-	0.03	0.281	0.355
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI5	132322	1745	close	22.13	23.00	1.222	-	-	0.06	0.211	0.258
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	Headset	DSI5	132072	1720	close	22.72	23.90	1.312	-	-	0.06	0.911	1.195
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 3	-	DSI4	132072	1720	close	22.72	24.00	1.343	-	-	-0.05	0.513	0.689
	LTE Band 66	20M	QPSK	1	0	-	Back	12mm	Ant 3	-	DSI4	132322	1745	close	22.89	24.00	1.291	-	-	0.03	0.194	0.250
<b>1900MHz</b>																						
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 0	-	DSI5	661	1880	close	23.07	24.50	1.390	-	-	-0.05	0.073	0.101
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	DSI5	661	1880	close	23.07	24.50	1.390	-	-	0.09	0.454	0.631
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 1	-	DSI5	661	1880	close	23.69	25.50	1.517	-	-	-0.17	0.109	0.165
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	-	DSI5	661	1880	close	23.69	25.50	1.517	-	-	0.03	0.349	0.529
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 2	-	DSI5	661	1880	close	23.85	25.50	1.462	-	-	0.08	0.595	0.870
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 2	-	DSI5	512	1850.2	close	23.74	25.50	1.500	-	-	-0.05	0.569	0.853
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 2	-	DSI5	810	1909.8	close	23.81	25.50	1.476	-	-	0.04	0.547	0.807
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 2	-	DSI5	661	1880	close	23.85	25.50	1.462	-	-	-0.14	0.085	0.124
67	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 3	-	DSI5	661	1880	close	25.28	27.00	1.486	-	-	-0.09	0.740	1.100
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 3	-	DSI5	512	1850.2	close	25.19	27.00	1.517	-	-	-0.08	0.633	0.960
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 3	-	DSI5	810	1909.8	close	25.15	27.00	1.531	-	-	-0.02	0.642	0.983
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 3	-	DSI5	661	1880	close	25.28	27.00	1.486	-	-	0.09	0.100	0.149
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	10mm	Ant 3	-	DSI4	661	1880	close	25.28	27.00	1.486	-	-	0.06	0.704	1.046
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	12mm	Ant 3	-	DSI4	661	1880	close	25.28	27.00	1.486	-	-	0.01	0.221	0.328
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI5	9400	1880	close	23.17	24.00	1.211	-	-	0.02	0.905	1.096
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI5	9262	1852.4	close	23.08	24.00	1.236	-	-	0.05	0.915	1.131
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	DSI5	9538	1907.6	close	23.11	24.00	1.227	-	-	0.09	0.961	1.180
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	-	DSI5	9400	1880	close	23.17	24.00	1.211	-	-	-0.04	0.243	0.294
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	-	DSI4	9538	1907.6	close	23.11	24.00	1.227	-	-	0.03	0.263	0.323
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 2	-	DSI4	9400	1880	close	23.17	24.00	1.211	-	-	0.04	0.196	0.237
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	9400	1880	close	21.20	22.40	1.318	-	-	-0.08	0.940	1.239
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	9262	1852.4	close	21.17	22.40	1.327	-	-	0.08	0.829	1.100
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	9538	1907.6	close	21.15	22.40	1.334	-	-	-0.06	0.884	1.179
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 3	-	DSI5	9400	1880	close	21.20	22.40	1.318	-	-	-0.04	0.092	0.121
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	Headset	DSI5	9400	1880	close	21.20	22.40	1.318	-	-	0.06	0.891	1.175
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	DSI5	9400	1880	close	20.23	21.50	1.340	-	-	-0.09	0.742	0.994
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 3	-	DSI4	9400	1880	close	24.25	24.50	1.059	-	-	-0.08	0.722	0.765
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 3	-	DSI4	9400	1880	close	24.25	24.50	1.059	-	-	-0.04	0.195	0.207



	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	26340	1880	close	21.52	22.00	1.117	-	-	0.02	1.070	1.195
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	26140	1860	close	21.43	22.00	1.140	-	-	0.15	0.931	1.062
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	26590	1905	close	21.47	22.00	1.130	-	-	0.06	0.987	1.115
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	26340	1880	close	21.15	21.50	1.084	-	-	0.02	0.851	0.922
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	26140	1860	close	21.04	21.50	1.112	-	-	0.05	0.801	0.890
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	26590	1905	close	21.07	21.50	1.104	-	-	0.09	0.833	0.920
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI5	26340	1880	close	21.13	21.50	1.089	-	-	-0.03	0.819	0.892
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI5	26340	1880	close	21.52	22.00	1.117	-	-	-0.02	0.160	0.179
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI5	26340	1880	close	21.15	21.50	1.084	-	-	0.12	0.092	0.100
68	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	26340	1880	close	21.87	23.20	1.358	-	-	-0.09	0.926	1.258
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	26140	1860	close	21.68	23.20	1.419	-	-	-0.02	0.842	1.195
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	26590	1905	close	21.85	23.20	1.365	-	-	0.02	0.866	1.182
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	26340	1880	close	21.84	23.00	1.306	-	-	0.06	0.829	1.083
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	26140	1860	close	21.55	23.00	1.396	-	-	0.08	0.795	1.110
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	26590	1905	close	21.69	23.00	1.352	-	-	-0.02	0.801	1.083
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI5	26340	1880	close	21.83	23.00	1.309	-	-	0.02	0.799	1.046
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI5	26340	1880	close	21.87	23.20	1.358	-	-	0.16	0.140	0.190
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI5	26340	1880	close	21.84	23.00	1.306	-	-	0.04	0.079	0.103
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	Headset	DSI5	26340	1880	close	21.87	23.20	1.358	-	-	0.05	0.879	1.194
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 3	-	DSI4	26340	1880	close	22.76	24.00	1.330	-	-	-0.09	0.803	1.068
	LTE Band 25	20M	QPSK	1	0	-	Back	12mm	Ant 3	-	DSI4	26340	1880	close	22.76	24.00	1.330	-	-	0.16	0.178	0.237
<b>2600MHz</b>																						
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	21100	2535	close	20.96	22.40	1.393	-	-	0.09	0.066	0.092
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI5	21100	2535	close	20.83	22.40	1.435	-	-	0.03	0.046	0.066
69	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	21100	2535	close	20.96	22.40	1.393	-	-	-0.09	0.903	1.258
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	20850	2510	close	20.90	22.40	1.413	-	-	0.07	0.870	1.229
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	21350	2560	close	20.85	22.40	1.429	-	-	-0.05	0.783	1.119
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	21100	2535	close	20.83	22.40	1.435	-	-	0.12	0.851	1.222
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	20850	2510	close	20.81	22.40	1.442	-	-	0.09	0.822	1.185
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	21350	2560	close	20.78	22.40	1.452	-	-	0.05	0.839	1.218
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI5	21100	2535	close	20.93	22.40	1.403	-	-	0.05	0.855	1.199
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI5	21100	2535	close	20.96	22.40	1.393	-	-	0.07	0.881	1.227
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 0	-	DSI4	21100	2535	close	23.24	24.00	1.191	-	-	0.09	0.063	0.075
	LTE Band 7	20M	QPSK	1	0	-	Back	12mm	Ant 0	-	DSI4	21100	2535	close	23.24	24.00	1.191	-	-	0.19	0.411	0.490
	LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI5	21100+ 21298	2535+ 2554.8	close	20.91	22.40	1.409	-	-	0.06	0.841	1.185
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	21100	2535	close	21.88	22.50	1.153	-	-	0.04	0.262	0.302
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI5	21100	2535	close	21.39	22.00	1.151	-	-	-0.02	0.151	0.174
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	21100	2535	close	21.88	22.50	1.153	-	-	0.01	0.972	1.121
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	20850	2510	close	21.70	22.50	1.202	-	-	0.04	0.871	1.047
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	21350	2560	close	21.85	22.50	1.161	-	-	0.09	1.080	1.254
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	21100	2535	close	21.39	22.00	1.151	-	-	0.011	0.811	0.933
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	20850	2510	close	21.28	22.00	1.180	-	-	0.09	0.803	0.948
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	21350	2560	close	21.32	22.00	1.169	-	-	0.17	0.789	0.923
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI5	21100	2535	close	21.35	22.00	1.161	-	-	0.01	0.779	0.905
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI5	21350	2560	close	21.85	22.50	1.161	-	-	0.08	1.010	1.173
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	-	DSI4	21100	2535	close	22.30	23.00	1.175	-	-	0.04	0.126	0.148
	LTE Band 7	20M	QPSK	1	0	-	Back	12mm	Ant 1	-	DSI4	21350	2560	close	22.22	23.00	1.197	-	-	0.09	0.372	0.445
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	21350+ 21152	2560+ 2540.2	close	21.72	22.50	1.197	-	-	0.09	0.991	1.186
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	21100	2535	close	17.99	19.20	1.321	-	-	0.05	0.823	1.087
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	20850	2510	close	17.92	19.20	1.343	-	-	0.16	0.794	1.066
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	21350	2560	close	17.91	19.20	1.346	-	-	-0.09	0.926	1.246
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	21100	2535	close	17.92	19.20	1.343	-	-	0.05	0.751	1.008
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	20850	2510	close	17.79	19.20	1.384	-	-	-0.07	0.701	0.970
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	21350	2560	close	17.86	19.20	1.361	-	-	0.14	0.789	1.074
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI5	21100	2535	close	17.91	19.20	1.346	-	-	0.14	0.723	0.973



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LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI5	21100	2535	close	17.99	19.20	1.321	-	-	0.06	0.377	0.498
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI5	21100	2535	close	17.92	19.20	1.343	-	-	0.01	0.359	0.482
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	Headset	DSI5	21350	2560	close	17.91	19.20	1.346	-	-	0.07	0.909	1.223
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5 Simultaneous	21350	2560	close	16.89	18.30	1.384	-	-	0.01	0.704	0.974
LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	-	DSI4	21350	2560	close	22.08	23.00	1.236	-	-	-0.09	0.730	0.902
LTE Band 7	20M	QPSK	1	0	-	Back	12mm	Ant 2	-	DSI4	21100	2535	close	22.13	23.00	1.222	-	-	0.03	0.163	0.199
LTE Band 7C	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	21350+21152	2560+2540.2	close	17.70	19.20	1.413	-	-	0.06	0.811	1.146
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	21100	2535	close	23.41	24.00	1.146	-	-	0.08	0.957	1.096
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	20850	2510	close	23.36	24.00	1.159	-	-	-0.09	1.070	1.240
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	21350	2560	close	23.24	24.00	1.191	-	-	0.18	0.941	1.121
LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	21100	2535	close	22.52	23.00	1.117	-	-	0.09	0.711	0.794
LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI5	21100	2535	close	22.47	23.00	1.130	-	-	0.03	0.701	0.792
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI5	21100	2535	close	23.41	24.00	1.146	-	-	0.04	0.248	0.284
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI5	21100	2535	close	22.52	23.00	1.117	-	-	0.19	0.158	0.176
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	Headset	DSI5	20850	2510	close	23.36	24.00	1.159	-	-	0.04	0.994	1.152
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5 Simultaneous	20850	2510	close	22.76	23.90	1.300	-	-	-0.05	0.752	0.978
LTE Band 7C	20M	QPSK	1	99	-	Front	5mm	Ant 3	-	DSI5	20850+21048	2510+2529.8	close	23.20	24.00	1.202	-	-	0.05	0.991	1.191
LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 3	-	DSI4	20850	2510	close	23.36	24.00	1.159	-	-	0.03	0.498	0.577
LTE Band 7	20M	QPSK	1	0	-	Back	12mm	Ant 3	-	DSI4	21100	2535	close	23.41	24.00	1.146	-	-	0.01	0.152	0.174
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	40620	2593	close	20.77	22.00	1.327	62.9	1.006	0.08	0.022	0.029
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI5	40620	2593	close	19.74	21.00	1.337	62.9	1.006	-0.09	0.011	0.015
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	40620	2593	close	20.77	22.00	1.327	62.9	1.006	0.08	0.639	0.853
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	39750	2506	close	20.58	22.00	1.387	62.9	1.006	0.08	0.599	0.836
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	40185	2549.5	close	20.65	22.00	1.365	62.9	1.006	0.08	0.609	0.836
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	41055	2636.5	close	20.71	22.00	1.346	62.9	1.006	0.08	0.617	0.835
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	41490	2680	close	20.63	22.00	1.371	62.9	1.006	0.08	0.612	0.844
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	40620	2593	close	19.74	21.00	1.337	62.9	1.006	0.05	0.558	0.750
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	39750	2506	close	19.62	21.00	1.374	62.9	1.006	0.08	0.503	0.695
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	40185	2549.5	close	19.62	21.00	1.374	62.9	1.006	0.08	0.516	0.713
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	41055	2636.5	close	19.64	21.00	1.368	62.9	1.006	0.08	0.529	0.728
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	41490	2680	close	19.69	21.00	1.352	62.9	1.006	0.08	0.516	0.702
LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI5	40620	2593	close	19.66	21.00	1.361	62.9	1.006	0.08	0.548	0.751
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	40620	2593	close	23.76	25.00	1.330	42.9	1.009	0.09	0.801	1.075
LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI5	40620+40818	2593+2612.8	close	20.73	22.00	1.340	62.9	1.006	0.06	0.706	0.951
LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI5	40620+40818	2593+2612.8	close	23.69	25.00	1.352	42.9	1.009	0.01	0.759	1.035
LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 0	-	DSI4	40620	2593	close	20.77	22.00	1.327	62.9	1.006	0.03	0.077	0.103
LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 0	-	DSI4	40620	2593	close	20.77	22.00	1.327	62.9	1.006	0.04	0.389	0.519
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	40620	2593	close	22.69	24.00	1.352	62.9	1.006	-0.15	0.098	0.133
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI5	40620	2593	close	21.64	23.00	1.368	62.9	1.006	0.03	0.079	0.109
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	40620	2593	close	22.69	24.00	1.352	62.9	1.006	0.16	0.662	0.900
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	39750	2506	close	22.54	24.00	1.400	62.9	1.006	0.06	0.601	0.846
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	40185	2549.5	close	22.62	24.00	1.374	62.9	1.006	-0.1	0.585	0.809
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	41055	2636.5	close	22.51	24.00	1.409	62.9	1.006	0.18	0.750	1.063
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	41490	2680	close	22.48	24.00	1.419	62.9	1.006	0.01	0.802	1.145
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	40620	2593	close	21.64	23.00	1.368	62.9	1.006	0.01	0.580	0.798
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	39750	2506	close	21.54	23.00	1.400	62.9	1.006	0.06	0.521	0.734
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	40185	2549.5	close	21.57	23.00	1.390	62.9	1.006	-0.1	0.555	0.776
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	41055	2636.5	close	21.55	23.00	1.396	62.9	1.006	0.18	0.529	0.743
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	41490	2680	close	21.44	23.00	1.432	62.9	1.006	0.01	0.569	0.820
LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI5	40620	2593	close	21.58	23.00	1.387	62.9	1.006	-0.05	0.499	0.696
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	41490	2680	close	25.55	26.00	1.109	42.9	1.009	-0.09	1.040	1.164
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5 Simultaneous	41490	2680	close	22.48	23.40	1.236	62.9	1.006	0.01	0.802	0.997
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5 Simultaneous	41490	2680	close	24.10	25.00	1.230	42.9	1.009	-0.09	0.811	1.007
LTE Band 41C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	41490+41292	2680+2660.2	close	22.46	24.00	1.426	62.9	1.006	0.03	0.811	1.163



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LTE Band 41C HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	41490+41292	2680+2660.2	close	25.47	26.00	1.130	42.9	1.009	0.04	0.901	1.027
LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 1	-	DSI4	40620	2593	close	22.69	24.00	1.352	62.9	1.006	0.09	0.166	0.226
LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 1	-	DSI4	41490	2680	close	22.48	24.00	1.419	62.9	1.006	0.05	0.533	0.761
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	40620	2593	close	22.19	23.00	1.205	62.9	1.006	-0.11	0.704	0.853
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	39750	2506	close	22.11	23.00	1.227	62.9	1.006	0.04	0.690	0.852
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	40185	2549.5	close	22.06	23.00	1.242	62.9	1.006	-0.05	0.717	0.896
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	41055	2636.5	close	22.07	23.00	1.239	62.9	1.006	0.09	0.976	1.216
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	41490	2680	close	22.02	23.00	1.253	62.9	1.006	0.08	0.838	1.056
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	40620	2593	close	21.53	23.00	1.403	62.9	1.006	0.03	0.699	0.986
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	39750	2506	close	21.46	23.00	1.426	62.9	1.006	0.17	0.659	0.945
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	40185	2549.5	close	21.47	23.00	1.422	62.9	1.006	-0.16	0.688	0.984
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	41055	2636.5	close	21.47	23.00	1.422	62.9	1.006	-0.15	0.791	1.132
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	41490	2680	close	21.43	23.00	1.435	62.9	1.006	0.01	0.711	1.027
LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI5	40620	2593	close	21.49	23.00	1.416	62.9	1.006	0.16	0.799	1.138
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI5	40620	2593	close	22.19	23.00	1.205	62.9	1.006	0.18	0.449	0.544
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI5	40620	2593	close	21.53	23.00	1.403	62.9	1.006	0.15	0.327	0.461
LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	41055	2636.5	close	23.28	24.60	1.355	42.9	1.009	0.06	0.887	1.213
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	Headset	DSI5	41055	2636.5	close	22.07	23.00	1.239	62.9	1.006	0.08	0.959	1.195
LTE Band 41C	20M	QPSK	1	99	-	Front	5mm	Ant 2	-	DSI5	41055+41253	2636.5+2656.3	close	21.93	23.00	1.279	62.9	1.006	0.04	0.909	1.170
LTE Band 41C HPUE	20M	QPSK	1	99	-	Front	5mm	Ant 2	-	DSI5	41055+41253	2636.5+2656.3	close	23.13	24.60	1.403	42.9	1.009	0.09	0.841	1.190
LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 2	-	DSI4	41055	2636.5	close	22.55	24.00	1.396	62.9	1.006	0.02	0.419	0.589
LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 2	-	DSI4	40620	2593	close	22.68	24.00	1.355	62.9	1.006	0.18	0.132	0.180
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	40620	2593	close	23.85	24.00	1.035	62.9	1.006	0.02	0.689	0.717
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	39750	2506	close	23.65	24.00	1.084	62.9	1.006	-0.15	0.779	0.849
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	40185	2549.5	close	23.73	24.00	1.064	62.9	1.006	0.07	0.696	0.745
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	41055	2636.5	close	23.67	24.00	1.079	62.9	1.006	-0.15	0.714	0.775
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	41490	2680	close	23.58	24.00	1.102	62.9	1.006	0.07	0.717	0.795
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	40620	2593	close	22.80	23.00	1.047	62.9	1.006	0.07	0.559	0.589
LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI5	40620	2593	close	22.75	23.00	1.059	62.9	1.006	-0.09	0.525	0.559
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI5	40620	2593	close	23.85	24.00	1.035	62.9	1.006	0.04	0.160	0.167
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI5	40620	2593	close	22.80	23.00	1.047	62.9	1.006	-0.18	0.106	0.112
LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	39750	2506	close	26.70	27.00	1.072	42.9	1.009	-0.08	0.989	1.069
LTE Band 41C	20M	QPSK	1	99	-	Front	5mm	Ant 3	-	DSI5	39750+39948	2506+2525.8	close	23.61	24.00	1.094	62.9	1.006	0.06	0.901	0.992
LTE Band 41C HPUE	20M	QPSK	1	99	-	Front	5mm	Ant 3	-	DSI5	39750+39948	2506+2525.8	close	26.66	27.00	1.081	42.9	1.009	0.04	0.955	1.042
LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 3	-	DSI4	39750	2506	close	23.65	24.00	1.084	62.9	1.006	0.06	0.506	0.552
LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 3	-	DSI4	40620	2593	close	23.85	24.00	1.035	62.9	1.006	0.01	0.166	0.173
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI5	507000	2535	close	19.48	21.00	1.419	-	-	0.13	0.076	0.108
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI5	507000	2535	close	19.40	21.00	1.445	-	-	0.12	0.038	0.055
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	507000	2535	close	19.48	21.00	1.419	-	-	0.05	0.870	1.235
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	507000	2535	close	19.40	21.00	1.445	-	-	0.01	0.771	1.114
FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5	507000	2535	close	19.43	21.00	1.435	-	-	0.09	0.759	1.090
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI5 Simultaneous	507000	2535	close	19.48	21.00	1.419	-	-	0.03	0.835	1.185
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	-	DSI4	507000	2535	close	21.96	23.00	1.271	-	-	0.06	0.085	0.108
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 0	-	DSI4	507000	2535	close	21.96	23.00	1.271	-	-	0.01	0.396	0.503
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI5	507000	2535	close	21.56	22.50	1.242	-	-	0.18	0.143	0.178
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI5	507000	2535	close	21.51	22.50	1.256	-	-	0.08	0.270	0.339
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	507000	2535	close	21.56	22.50	1.242	-	-	0.09	1.010	1.254
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	507000	2535	close	21.51	22.50	1.256	-	-	-0.19	0.829	1.041
FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI5	507000	2535	close	21.48	22.50	1.265	-	-	0.18	0.817	1.033
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	Headset	DSI5	507000	2535	close	21.56	22.50	1.242	-	-	0.05	0.955	1.186
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 1	-	DSI4	507000	2535	close	22.87	24.00	1.297	-	-	0.08	0.133	0.173
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 1	-	DSI4	507000	2535	close	22.93	24.00	1.279	-	-	0.09	0.355	0.454
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI5	507000	2535	close	18.45	19.80	1.365	-	-	0.01	0.911	1.243
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI5	507000	2535	close	18.36	19.80	1.393	-	-	0.16	0.891	1.241
FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 2	-	DSI5	507000	2535	close	18.27	19.80	1.422	-	-	0.01	0.779	1.108





**FCC SAR Test Report**

**Report No. : FA2D0913-01**

FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI5	507000	2535	close	18.45	19.80	1.365	-	-	-0.08	0.314	0.428
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 2	-	DSI5	507000	2535	close	18.36	19.80	1.393	-	-	0.18	0.283	0.394
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	Headset	DSI5	507000	2535	close	18.45	19.80	1.365	-	-	0.04	0.902	1.231
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	-	DSI4	507000	2535	close	23.91	24.00	1.021	-	-	0.01	0.834	0.851
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 2	-	DSI4	507000	2535	close	23.91	24.00	1.021	-	-	-0.08	0.279	0.285
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI5	507000	2535	close	22.83	23.30	1.114	-	-	0.15	0.948	1.056
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI5	507000	2535	close	22.75	23.30	1.135	-	-	0.06	1.090	1.237
FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 3	-	DSI5	507000	2535	close	22.62	23.00	1.091	-	-	0.05	0.991	1.082
FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI5	507000	2535	close	22.83	23.30	1.114	-	-	0.05	0.270	0.301
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 3	-	DSI5	507000	2535	close	22.75	23.30	1.135	-	-	-0.07	0.331	0.376
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	Headset	DSI5	507000	2535	close	22.75	23.30	1.135	-	-	0.09	0.995	1.129
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 3	-	DSI4	507000	2535	close	23.73	24.00	1.064	-	-	0.06	0.511	0.544
FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	12mm	Ant 3	-	DSI4	507000	2535	close	23.73	24.00	1.064	-	-	-0.07	0.140	0.149
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI5	518598	2592.99	close	19.36	20.40	1.271	-	-	0.09	0.006	0.008
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI5	518598	2592.99	close	19.33	20.40	1.279	-	-	0.02	0.066	0.084
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	518598	2592.99	close	19.36	20.40	1.271	-	-	-0.19	0.886	1.126
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	518598	2592.99	close	19.33	20.40	1.279	-	-	-0.01	0.963	1.232
FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	518598	2592.99	close	19.22	20.40	1.312	-	-	0.06	0.891	1.169
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	Headset	DSI5	518598	2592.99	close	19.33	20.40	1.279	-	-	0.08	0.922	1.180
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	518598	2592.99	close	22.36	23.40	1.271	50	1.000	0.05	0.959	1.218
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 0	-	DSI4	518598	2592.99	close	21.78	23.00	1.324	-	-	0.06	0.099	0.131
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	12mm	Ant 0	-	DSI4	518598	2592.99	close	21.78	23.00	1.324	-	-	0.01	0.388	0.514
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI5	518598	2592.99	close	21.42	22.00	1.143	-	-	0.14	0.213	0.243
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI5	518598	2592.99	close	21.38	22.00	1.153	-	-	-0.08	0.201	0.232
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	518598	2592.99	close	21.42	22.00	1.143	-	-	0.04	0.881	1.007
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	518598	2592.99	close	21.38	22.00	1.153	-	-	0.01	1.070	1.234
FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	518598	2592.99	close	21.33	22.00	1.167	-	-	0.02	0.914	1.066
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	518598	2592.99	close	23.87	25.00	1.297	50	1.000	0.01	0.950	1.232
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	Headset	DSI5	518598	2592.99	close	21.38	22.00	1.153	-	-	0.06	0.973	1.122
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 1	-	DSI4	518598	2592.99	close	22.97	24.00	1.268	-	-	0.14	0.229	0.290
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	12mm	Ant 1	-	DSI4	518598	2592.99	close	22.91	24.00	1.285	-	-	0.01	0.294	0.378
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	518598	2592.99	close	19.17	20.30	1.297	-	-	0.09	0.952	1.235
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	518598	2592.99	close	19.02	20.30	1.343	-	-	0.16	0.715	0.960
FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	518598	2592.99	close	18.95	20.30	1.365	-	-	0.07	0.840	1.146
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI5	518598	2592.99	close	19.17	20.30	1.297	-	-	0.13	0.293	0.380
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI5	518598	2592.99	close	19.02	20.30	1.343	-	-	0.15	0.411	0.552
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	518598	2592.99	close	22.29	23.30	1.262	50	1.000	0.03	0.925	1.167
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	Headset	DSI5	518598	2592.99	close	19.17	20.30	1.297	-	-	0.12	0.928	1.204
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2	-	DSI4	518598	2592.99	close	23.79	24.00	1.050	-	-	0.09	0.917	0.962
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	12mm	Ant 2	-	DSI4	518598	2592.99	close	23.72	24.00	1.067	-	-	0.17	0.442	0.471
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI5	518598	2592.99	close	23.08	24.00	1.236	-	-	0.14	0.823	1.017
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI5	518598	2592.99	close	22.96	24.00	1.271	-	-	0.01	0.982	1.248
FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI5	518598	2592.99	close	22.92	23.50	1.143	-	-	-0.07	0.910	1.040
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI5	518598	2592.99	close	23.08	24.00	1.236	-	-	0.03	0.239	0.295
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI5	518598	2592.99	close	22.96	24.00	1.271	-	-	-0.16	0.278	0.353
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI5	518598	2592.99	close	26.02	27.00	1.253	50	1.000	0.06	0.981	1.229
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	Headset	DSI5	518598	2592.99	close	22.96	24.00	1.271	-	-	0.09	0.971	1.234
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	-	DSI4	518598	2592.99	close	24.08	24.50	1.102	-	-	0.01	0.513	0.565
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	12mm	Ant 3	-	DSI4	518598	2592.99	close	24.08	24.50	1.102	-	-	-0.16	0.145	0.160
<b>3500MHz</b>																					
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	42590	3500	close	20.74	22.00	1.337	62.9	1.006	0.04	0.046	0.062
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI5	42590	3500	close	19.74	21.00	1.337	62.9	1.006	0.04	0.043	0.058
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	42590	3500	close	20.74	22.00	1.337	62.9	1.006	0.04	0.328	0.441
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	42590	3500	close	19.74	21.00	1.337	62.9	1.006	0.07	0.202	0.272
LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	42590	3500	close	23.71	24.00	1.069	62.9	1.006	-0.18	0.079	0.085
LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI5	42590	3500	close	22.65	23.00	1.084	62.9	1.006	0.03	0.051	0.056



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	42590	3500	close	23.71	24.00	1.069	62.9	1.006	0.01	0.673	0.724
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	42590	3500	close	22.65	23.00	1.084	62.9	1.006	-0.17	0.528	0.576
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	10mm	Ant 1	-	DSI4	42590	3500	close	23.71	24.00	1.069	62.9	1.006	0.03	0.354	0.381
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	12mm	Ant 1	-	DSI4	42590	3500	close	23.71	24.00	1.069	62.9	1.006	0.01	0.452	0.486
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	42590	3500	close	21.49	22.00	1.125	62.9	1.006	0.04	0.872	0.987
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	42190	3460	close	21.35	22.00	1.161	62.9	1.006	-0.17	0.888	1.038
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	42990	3540	close	21.41	22.00	1.146	62.9	1.006	-0.01	0.982	1.132
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	42590	3500	close	20.33	21.00	1.167	62.9	1.006	-0.03	0.752	0.883
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	42190	3460	close	20.22	21.00	1.197	62.9	1.006	0.09	0.739	0.890
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	42990	3540	close	20.29	21.00	1.178	62.9	1.006	0.03	0.712	0.843
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI5	42590	3500	close	20.26	21.00	1.186	62.9	1.006	-0.06	0.708	0.845
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI5	42590	3500	close	21.49	22.00	1.125	62.9	1.006	-0.04	0.056	0.063
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI5	42590	3500	close	20.33	21.00	1.167	62.9	1.006	-0.1	0.036	0.042
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	10mm	Ant 2	-	DSI4	42990	3540	close	21.41	22.00	1.146	62.9	1.006	0.06	0.420	0.484
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	12mm	Ant 2	-	DSI4	42590	3500	close	21.49	22.00	1.125	62.9	1.006	0.01	0.386	0.437
70	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	42590	3500	close	20.78	21.60	1.208	62.9	1.006	0.01	1.030	1.252
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	42190	3460	close	20.66	21.60	1.242	62.9	1.006	-0.09	0.876	1.094
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	42990	3540	close	20.69	21.60	1.233	62.9	1.006	0.03	0.921	1.143
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	42590	3500	close	20.70	21.60	1.230	62.9	1.006	0.07	0.965	1.194
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	42190	3460	close	20.60	21.60	1.259	62.9	1.006	0.06	0.932	1.180
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	42990	3540	close	20.55	21.60	1.274	62.9	1.006	0.17	0.952	1.220
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI5	42590	3500	close	20.67	21.60	1.239	62.9	1.006	0.05	0.961	1.198
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI5	42590	3500	close	20.78	21.60	1.208	62.9	1.006	0.15	0.050	0.061
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI5	42590	3500	close	20.70	21.60	1.230	62.9	1.006	0.06	0.037	0.046
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	Headset	DSI5	42590	3500	close	20.78	21.60	1.208	62.9	1.006	0.09	0.981	1.192
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	10mm	Ant 3	-	DSI4	42590	3500	close	23.32	24.00	1.169	62.9	1.006	0.01	0.510	0.600
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	12mm	Ant 3	-	DSI4	42590	3500	close	23.32	24.00	1.169	62.9	1.006	0.15	0.055	0.065
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI5	55830	3609	close	20.84	22.00	1.306	62.9	1.006	0.05	0.136	0.179
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI5	55830	3609	close	20.64	21.00	1.086	62.9	1.006	0.08	0.092	0.101
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI5	55830	3609	close	20.84	22.00	1.306	62.9	1.006	0.08	0.148	0.194
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI5	55830	3609	close	20.64	21.00	1.086	62.9	1.006	0.18	0.115	0.126
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI5	55830	3609	close	23.88	24.00	1.028	62.9	1.006	-0.18	0.056	0.058
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI5	55830	3609	close	23.74	24.00	1.062	62.9	1.006	0.07	0.052	0.056
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI5	55830	3609	close	23.88	24.00	1.028	62.9	1.006	0.07	0.526	0.544
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI5	55830	3609	close	23.74	24.00	1.062	62.9	1.006	0.02	0.474	0.506
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 1	-	DSI4	55830	3609	close	23.88	24.00	1.028	62.9	1.006	0.06	0.366	0.379
	LTE Band 48	20M	QPSK	1	0	-	Back	12mm	Ant 1	-	DSI4	55830	3609	close	23.88	24.00	1.028	62.9	1.006	0.04	0.482	0.498
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	55830	3609	close	21.44	22.00	1.138	62.9	1.006	0.02	0.891	1.020
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	55340	3560	close	21.36	22.00	1.159	62.9	1.006	0.19	0.925	1.078
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	56150	3641	close	21.41	22.00	1.146	62.9	1.006	-0.05	0.955	1.101
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI5	56640	3690	close	21.31	22.00	1.172	62.9	1.006	0.06	1.030	1.215
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	55830	3609	close	21.38	22.00	1.153	62.9	1.006	-0.01	0.871	1.011
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	55340	3560	close	21.34	22.00	1.164	62.9	1.006	0.01	0.859	1.006
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	56150	3641	close	21.32	22.00	1.169	62.9	1.006	0.09	0.881	1.037
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI5	56640	3690	close	21.25	22.00	1.189	62.9	1.006	0.1	0.873	1.044
	LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	DSI5	55830	3609	close	21.33	22.00	1.167	62.9	1.006	0.07	0.849	0.997
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI5	55830	3609	close	21.44	22.00	1.138	62.9	1.006	0.06	0.080	0.092
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI5	55830	3609	close	21.38	22.00	1.153	62.9	1.006	0.04	0.067	0.078
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	Headset	DSI5	56640	3690	close	21.31	22.00	1.172	62.9	1.006	0.06	0.977	1.152
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 2	-	DSI4	56640	3690	close	21.31	22.00	1.172	62.9	1.006	0.03	0.405	0.478
	LTE Band 48	20M	QPSK	1	0	-	Back	12mm	Ant 2	-	DSI4	55830	3609	close	21.44	22.00	1.138	62.9	1.006	0.01	0.374	0.428
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	55830	3609	close	21.03	21.60	1.140	62.9	1.006	0.01	1.010	1.159
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	55340	3560	close	21.00	21.60	1.148	62.9	1.006	0.05	0.889	1.027
71	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	56150	3641	close	20.99	21.60	1.151	62.9	1.006	0.04	1.090	1.262
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI5	56640	3690	close	20.80	21.60	1.202	62.9	1.006	0.09	1.040	1.258
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	55830	3609	close	20.96	21.60	1.159	62.9	1.006	0.11	0.876	1.021



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LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	55340	3560	close	20.86	21.60	1.186	62.9	1.006	0.03	0.851	1.015
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	56150	3641	close	20.85	21.60	1.189	62.9	1.006	0.1	0.909	1.087
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI5	56640	3690	close	20.73	21.60	1.222	62.9	1.006	0.05	0.868	1.067
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI5	55830	3609	close	20.95	21.60	1.161	62.9	1.006	-0.06	0.893	1.043
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI5	55830	3609	close	21.03	21.60	1.140	62.9	1.006	0.04	0.055	0.063
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI5	55830	3609	close	20.96	21.60	1.159	62.9	1.006	0.08	0.044	0.051
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	Headset	DSI5	56150	3641	close	20.99	21.60	1.151	62.9	1.006	0.04	0.993	1.150
LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 3	-	DSI4	56150	3641	close	23.41	24.00	1.146	62.9	1.006	0.04	0.566	0.652
LTE Band 48	20M	QPSK	1	0	-	Back	12mm	Ant 3	-	DSI4	55830	3609	close	23.51	24.00	1.119	62.9	1.006	0.04	0.081	0.091
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI5	656000	3840	close	20.43	21.00	1.140	-	-	0.08	0.059	0.067
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	DSI5	656000	3840	close	20.38	21.00	1.153	-	-	-0.1	0.082	0.095
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	656000	3840	close	20.43	21.00	1.140	-	-	0.09	0.214	0.244
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	656000	3840	close	20.38	21.00	1.153	-	-	-0.05	0.233	0.269
FR1 n77_Part27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	DSI5	656000	3840	close	23.36	24.00	1.159	50	1.000	-0.01	0.231	0.268
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI5	656000	3840	close	23.24	24.00	1.191	-	-	-0.13	0.071	0.085
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI5	656000	3840	close	23.19	24.00	1.205	-	-	-0.12	0.102	0.123
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	656000	3840	close	23.24	24.00	1.191	-	-	-0.03	0.341	0.406
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	656000	3840	close	23.19	24.00	1.205	-	-	0.06	0.269	0.324
FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI5	656000	3840	close	26.17	27.00	1.211	50	1.000	-0.01	0.326	0.395
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	-	DSI4	656000	3840	close	23.19	24.00	1.205	-	-	0.03	0.010	0.012
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	12mm	Ant 1	-	DSI4	656000	3840	close	23.24	24.00	1.191	-	-	0.01	0.112	0.133
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	656000	3840	close	19.65	20.60	1.245	-	-	-0.08	0.990	1.232
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	656000	3840	close	19.55	20.60	1.274	-	-	0.08	0.844	1.075
FR1 n77_Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	656000	3840	close	19.43	20.60	1.309	-	-	0.04	0.895	1.172
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI5	656000	3840	close	19.65	20.60	1.245	-	-	0.03	0.098	0.122
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI5	656000	3840	close	19.55	20.60	1.274	-	-	-0.09	0.111	0.141
FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI5	656000	3840	close	22.61	23.60	1.256	50	1.000	-0.07	0.972	1.221
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	Headset	DSI5	656000	3840	close	19.65	20.60	1.245	-	-	0.09	0.979	1.218
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2		DSI4	656000	3840	close	23.13	24.00	1.222	-	-	-0.08	0.873	1.067
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	12mm	Ant 2		DSI4	656000	3840	close	23.08	24.00	1.236	-	-	-0.09	0.090	0.111
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3		DSI5	656000	3840	close	20.61	21.90	1.346	-	-	-0.09	0.927	1.248
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3		DSI5	656000	3840	close	20.54	21.90	1.368	-	-	0.11	0.748	1.023
FR1 n77_Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3		DSI5	656000	3840	close	20.47	21.90	1.390	-	-	-0.03	0.803	1.116
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3		DSI5	656000	3840	close	20.61	21.90	1.346	-	-	0.05	0.047	0.063
FR1 n77_Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3		DSI5	656000	3840	close	20.54	21.90	1.368	-	-	0.11	0.041	0.056
FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3		DSI5	656000	3840	close	23.74	24.90	1.306	50	1.000	-0.09	0.924	1.207
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	Headset	DSI5	656000	3840	close	20.61	21.90	1.346	-	-	0.07	0.921	1.240
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3		DSI4	656000	3840	close	23.09	24.00	1.233	-	-	-0.09	0.811	1.000
FR1 n77_Part27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	12mm	Ant 3		DSI4	656000	3840	close	23.09	24.00	1.233	-	-	0.05	0.093	0.115



**FCC SAR Test Report**

Report No. : FA2D0913-01

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Power Setting	EUT Flip State	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)
<b>WLAN/BT</b>																			
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	Standalone	11	2462	19.5	Close	19.95	21.50	1.429	100	1.000	0.03	0.703	1.005
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	Standalone	6	2437	19.5	Close	19.74	21.50	1.500	100	1.000	-0.13	0.661	0.991
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	Standalone	11	2462	19.5	Close	19.95	21.50	1.429	100	1.000	0.06	0.648	0.926
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	Standalone	6	2437	19.5	Close	19.74	21.50	1.500	100	1.000	0.03	0.536	0.804
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	11	2462	16.5	Close	16.93	18.50	1.435	100	1.000	0.15	0.309	0.444
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	11	2462	16.5	Close	16.93	18.50	1.435	100	1.000	0.03	0.221	0.317
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	WWAN+ non DBS	11	2462	13.5	Close	13.92	15.50	1.439	100	1.000	0.01	0.181	0.260
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	WWAN+ non DBS	11	2462	13.5	Close	13.92	15.50	1.439	100	1.000	0.04	0.086	0.124
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	-	WWAN+DBS	11	2462	10.5	Close	10.91	12.50	1.442	100	1.000	0.03	0.081	0.117
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+5(4)	-	WWAN+DBS	11	2462	10.5	Close	10.91	12.50	1.442	100	1.000	0.06	0.042	0.061
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4+5(5)	-	Full power	11	2462	21	Close	21.36	23.00	1.459	100	1.000	0.04	0.251	0.366
	WLAN2.4GHz	802.11b 1Mbps	Back	12mm	Ant 4+5(5)	-	Full power	11	2462	21	Close	21.36	23.00	1.459	100	1.000	0.06	0.186	0.271
	Bluetooth	1Mbps	Front	5mm	Ant 4	-	Full power	39	2441		Close	11.57	12.00	1.104	77.03	1.081	0.04	0.074	0.088
	Bluetooth	1Mbps	Back	5mm	Ant 4	-	Full power	39	2441		Close	11.57	12.00	1.104	77.03	1.081	0.01	0.067	0.080
	Bluetooth	1Mbps	Front	5mm	Ant 5	-	Full power	39	2441		Close	8.53	9.00	1.114	76.86	1.084	0.06	0.022	0.027
	Bluetooth	1Mbps	Back	5mm	Ant 5	-	Full power	39	2441		Close	8.53	9.00	1.114	76.86	1.084	-0.13	0.001	0.001
	WLAN 5.3GHz	802.11a 6Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	56	5280	18.5	Close	18.89	20.50	1.449	99.32	1.007	-0.03	0.213	0.311
	WLAN 5.3GHz	802.11a 6Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	56	5280	18.5	Close	18.89	20.50	1.449	99.32	1.007	-0.02	0.091	0.133
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+ non DBS	58	5290	15.5	Close	16.21	18.00	1.510	100	1.000	0.03	0.105	0.159
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+ non DBS	58	5290	15.5	Close	16.21	18.00	1.510	100	1.000	0.02	0.056	0.085
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+DBS	58	5290	12.5	Close	13.22	15.00	1.507	100	1.000	0.07	0.060	0.090
	WLAN 5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+DBS	58	5290	12.5	Close	13.22	15.00	1.507	100	1.000	0.03	0.032	0.048
	WLAN 5.3GHz	802.11a 6Mbps	Front	10mm	Ant 4+5(4)	-	Full power	56	5280	18.5	Close	18.89	20.50	1.449	99.32	1.007	0.06	0.095	0.139
	WLAN 5.3GHz	802.11a 6Mbps	Back	12mm	Ant 4+5(4)	-	Full power	56	5280	18.5	Close	18.89	20.50	1.449	99.32	1.007	0.01	0.005	0.007
	WLAN 5.5GHz	802.11a 6Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	140	5700	18.5	Close	18.49	20.00	1.416	99.32	1.007	-0.12	0.192	0.274
	WLAN 5.5GHz	802.11a 6Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	140	5700	18.5	Close	18.49	20.00	1.416	99.32	1.007	0.02	0.056	0.080
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+ non DBS	138	5690	16.5	Close	16.52	18.00	1.406	100	1.000	0.03	0.101	0.142
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+ non DBS	138	5690	16.5	Close	16.52	18.00	1.406	100	1.000	0.05	0.052	0.073
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+DBS	138	5690	13.5	Close	13.41	15.00	1.442	100	1.000	0.06	0.063	0.091
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+DBS	138	5690	13.5	Close	13.41	15.00	1.442	100	1.000	0.04	0.026	0.037
	WLAN 5.5GHz	802.11a 6Mbps	Front	10mm	Ant 4+5(4)	-	Full power	140	5700	18.5	Close	18.49	20.00	1.416	99.32	1.007	0.09	0.088	0.125
	WLAN 5.5GHz	802.11a 6Mbps	Back	12mm	Ant 4+5(4)	-	Full power	140	5700	18.5	Close	18.49	20.00	1.416	99.32	1.007	0.01	0.004	0.006
	WLAN 5.8GHz	802.11a 6Mbps	Front	5mm	Ant 4+5(4)	-	DBS only	157	5785	18.5	Close	18.62	20.50	1.542	99.32	1.007	0.06	0.128	0.199
	WLAN 5.8GHz	802.11a 6Mbps	Back	5mm	Ant 4+5(4)	-	DBS only	157	5785	18.5	Close	18.62	20.50	1.542	99.32	1.007	-0.13	0.053	0.082
	WLAN 5.8GHz	802.11n-HT40 MCS0	Front	5mm	Ant 4+5(5)	-	WWAN+ non DBS	151	5755	17.5	Close	17.53	19.00	1.403	100	1.000	0.06	0.101	0.142
	WLAN 5.8GHz	802.11n-HT40 MCS0	Back	5mm	Ant 4+5(5)	-	WWAN+ non DBS	151	5755	17.5	Close	17.53	19.00	1.403	100	1.000	0.03	0.057	0.080
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4+5(4)	-	WWAN+DBS	155	5775	14.5	Close	14.16	15.50	1.361	100	1.000	0.01	0.063	0.086
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4+5(4)	-	WWAN+DBS	155	5775	14.5	Close	14.16	15.50	1.361	100	1.000	0.06	0.039	0.053
	WLAN 5.8GHz	802.11a 6Mbps	Front	10mm	Ant 4+5(4)	-	Full power	157	5785	18.5	Close	18.62	20.50	1.542	99.32	1.007	0.04	0.065	0.101
	WLAN 5.8GHz	802.11a 6Mbps	Back	12mm	Ant 4+5(4)	-	Full power	157	5785	18.5	Close	18.62	20.50	1.542	99.32	1.007	0.06	0.010	0.016



16.4 Product specific 10g SAR

Open

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	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)
<b>1750MHz</b>																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DS16	1413	1732.6	open	21.99	23.00	1.262	-	-	-0.09	1.510	1.905
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DS16	1413	1732.6	open	21.99	23.00	1.262	-	-	0.03	1.300	1.640
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DS16	1413	1732.6	open	22.96	24.00	1.271	-	-	-0.15	1.580	2.008
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DS16	1312	1712.4	open	22.87	24.00	1.297	-	-	-0.13	1.590	2.063
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DS16	1513	1752.6	open	22.83	24.00	1.309	-	-	-0.13	1.550	2.029
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	DS16	1413	1732.6	open	22.96	24.00	1.271	-	-	0.02	0.960	1.220
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DS16	1413	1732.6	open	24.34	24.50	1.038	-	-	0.04	2.060	2.137
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DS16	1312	1712.4	open	24.27	24.50	1.054	-	-	-0.11	2.100	2.214
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DS16	1513	1752.6	open	24.23	24.50	1.064	-	-	0.07	2.000	2.128
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DS16	1413	1732.6	open	24.34	24.50	1.038	-	-	-0.19	2.050	2.127
72	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DS16	1312	1712.4	open	24.27	24.50	1.054	-	-	0.06	2.220	<b>2.341</b>
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DS16	1513	1752.6	open	24.23	24.50	1.064	-	-	-0.08	2.170	2.309
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DS16	349000	1745	open	22.54	24.00	1.400	-	-	0.01	1.480	2.071
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DS16	349000	1745	open	22.50	24.00	1.413	-	-	-0.17	1.400	1.978
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 1	DS16	349000	1745	open	21.77	23.00	1.327	-	-	0.01	1.160	1.540
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	DS16	349000	1745	open	22.54	24.00	1.400	-	-	0.03	0.859	1.202
73	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 3	DS16	349000	1745	open	23.52	24.00	1.117	-	-	0.03	1.910	<b>2.133</b>
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 3	DS16	349000	1745	open	23.50	24.00	1.122	-	-	-0.13	1.770	1.986
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 3	DS16	349000	1745	open	22.62	23.00	1.091	-	-	0.02	1.500	1.637
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DS16	349000	1745	open	23.52	24.00	1.117	-	-	0.08	1.900	2.122
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DS16	349000	1745	open	23.50	24.00	1.122	-	-	-0.15	1.850	2.076
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DS16	349000	1745	open	22.62	23.00	1.091	-	-	0.11	1.440	1.572
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DS16	132322	1745	open	21.83	23.00	1.309	-	-	0.02	1.550	2.029
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DS16	132072	1720	open	21.72	23.00	1.343	-	-	-0.11	1.500	2.014
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DS16	132572	1770	open	21.76	23.00	1.330	-	-	0.02	1.430	1.903
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	DS16	132322	1745	open	20.85	22.00	1.303	-	-	0.01	1.210	1.577
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 1	DS16	132322	1745	open	20.77	22.00	1.327	-	-	0.03	1.150	1.527
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DS16	132322	1745	open	21.83	23.00	1.309	-	-	0.18	1.000	1.309
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	DS16	132322	1745	open	20.85	22.00	1.303	-	-	0.03	0.786	1.024
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 3	DS16	132322	1745	open	22.89	24.00	1.291	-	-	-0.07	1.670	2.156
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 3	DS16	132072	1720	open	22.72	24.00	1.343	-	-	0.07	1.670	2.242
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 3	DS16	132572	1770	open	22.83	24.00	1.309	-	-	-0.19	1.600	2.095
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 3	DS16	132322	1745	open	22.13	23.00	1.222	-	-	0.03	1.320	1.613
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 3	DS16	132322	1745	open	22.11	23.00	1.227	-	-	-0.03	1.300	1.596
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DS16	132322	1745	open	22.89	24.00	1.291	-	-	0.05	1.620	2.092
74	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DS16	132072	1720	open	22.72	24.00	1.343	-	-	-0.08	1.750	<b>2.350</b>
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DS16	132572	1770	open	22.83	24.00	1.309	-	-	-0.15	1.690	2.213
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DS16	132322	1745	open	22.13	23.00	1.222	-	-	0.03	1.330	1.625
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DS16	132322	1745	open	22.11	23.00	1.227	-	-	0.11	1.320	1.620
<b>1900MHz</b>																					
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	DS16	9400	1880	open	23.17	24.00	1.211	-	-	0.08	0.950	1.150
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 2	DS16	9400	1880	open	23.17	24.00	1.211	-	-	0.04	2.130	2.579
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 2	DS16	9262	1852.4	open	23.08	24.00	1.236	-	-	0.07	2.050	2.534
75	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 2	DS16	9538	1907.6	open	23.11	24.00	1.227	-	-	0.08	2.200	<b>2.700</b>
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DS16	9400	1880	open	24.25	24.50	1.059	-	-	0.19	2.160	2.288
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DS16	9262	1852.4	open	24.07	24.50	1.104	-	-	-0.14	1.980	2.186
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DS16	9538	1907.6	open	24.15	24.50	1.084	-	-	0.07	2.000	2.168
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DS16	9400	1880	open	24.25	24.50	1.059	-	-	0.07	2.460	2.606
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DS16	9262	1852.4	open	24.07	24.50	1.104	-	-	0.19	2.270	2.506





**FCC SAR Test Report**

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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6	9538	1907.6	open	24.15	24.50	1.084	-	-	0.14	2.240	2.428
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6 Simultaneous	9400	1880	open	23.51	24.10	1.146	-	-	0.07	2.170	2.486
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	9mm	Ant 3	DSI4	9400	1880	open	24.25	24.50	1.059	-	-	0.03	0.522	0.553
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	14mm	Ant 3	DSI4	9400	1880	open	24.25	24.50	1.059	-	-	0.01	0.361	0.382
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 3	DSI6	661	1880	open	25.28	27.00	1.486	-	-	0.02	0.856	1.272
76	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Top Side	0mm	Ant 3	DSI6	661	1880	open	25.28	27.00	1.486	-	-	0.08	1.210	<b>1.798</b>
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	26340	1880	open	22.76	23.80	1.271	-	-	0.02	2.200	2.795
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	26140	1860	open	22.60	23.80	1.318	-	-	0.14	2.100	2.768
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	26590	1905	open	22.72	23.80	1.282	-	-	-0.09	2.180	2.795
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	26340	1880	open	22.33	23.00	1.167	-	-	0.03	1.760	2.054
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	26140	1860	open	22.24	23.00	1.191	-	-	0.01	1.720	2.049
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	26590	1905	open	22.27	23.00	1.183	-	-	0.05	1.710	2.023
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 3	DSI6	26340	1880	open	22.28	23.00	1.180	-	-	-0.02	1.690	1.995
77	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	open	22.76	23.80	1.271	-	-	0.06	2.470	<b>3.138</b>
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26140	1860	open	22.60	23.80	1.318	-	-	0.05	2.350	3.098
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26590	1905	open	22.72	23.80	1.282	-	-	0.05	2.360	3.026
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	open	22.33	23.00	1.167	-	-	0.03	2.140	2.497
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	26140	1860	open	22.24	23.00	1.191	-	-	0.09	2.060	2.454
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	26590	1905	open	22.27	23.00	1.183	-	-	-0.13	2.070	2.449
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	open	22.28	23.00	1.180	-	-	-0.16	2.010	2.372
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6 Simultaneous	26340	1880	open	22.24	23.40	1.306	-	-	0.04	2.120	2.769
	LTE Band 25	20M	QPSK	1	0	-	Back	9mm	Ant 3	DSI4	26340	1880	open	22.76	24.00	1.330	-	-	0.02	0.409	0.544
	LTE Band 25	20M	QPSK	1	0	-	Top Side	14mm	Ant 3	DSI4	26340	1880	open	22.76	24.00	1.330	-	-	0.06	0.314	0.418
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	26340	1880	open	21.52	22.00	1.117	-	-	0.03	0.900	1.005
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	26340	1880	open	21.15	21.50	1.084	-	-	-0.15	0.795	0.862
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	26340	1880	open	21.52	22.00	1.117	-	-	-0.14	1.690	1.887
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	26340	1880	open	21.15	21.50	1.084	-	-	0.03	1.480	1.604
<b>2600MHz</b>																					
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	21100	2535	open	23.24	24.00	1.191	-	-	0.07	2.040	2.430
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	20850	2510	open	23.16	24.00	1.213	-	-	-0.15	1.960	2.378
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	21350	2560	open	23.12	24.00	1.225	-	-	-0.13	1.950	2.388
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI6	21100	2535	open	22.37	23.00	1.156	-	-	0.03	1.620	1.873
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI6	21100	2535	open	22.31	23.00	1.172	-	-	0.16	1.580	1.852
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	21100	2535	open	23.24	24.00	1.191	-	-	0.07	2.160	2.573
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	20850	2510	open	23.16	24.00	1.213	-	-	0.18	2.040	2.475
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	21350	2560	open	23.12	24.00	1.225	-	-	0.08	2.030	2.486
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	21100	2535	open	22.37	23.00	1.156	-	-	0.09	1.710	1.977
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI6	21100	2535	open	22.31	23.00	1.172	-	-	0.05	1.680	1.969
	LTE Band 7C	20M	QPSK	1	99	-	Bottom Side	0mm	Ant 0	DSI6	21100+21298	2535+2554.8	open	23.17	24.00	1.211	-	-	0.01	2.010	2.433
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	21100	2535	open	22.30	23.00	1.175	-	-	0.02	2.390	2.808
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	20850	2510	open	22.17	23.00	1.211	-	-	0.09	2.220	2.688
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	21350	2560	open	22.22	23.00	1.197	-	-	0.08	2.300	2.753
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	21100	2535	open	21.39	22.00	1.151	-	-	0.07	1.820	2.094
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	20850	2510	open	21.28	22.00	1.180	-	-	0.03	1.830	2.160
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	21350	2560	open	21.32	22.00	1.169	-	-	0.07	1.760	2.058
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	DSI6	21100	2535	open	21.35	22.00	1.161	-	-	0.13	1.790	2.079
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	21100	2535	open	22.30	23.00	1.175	-	-	0.05	1.870	2.197
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	20850	2510	open	22.17	23.00	1.211	-	-	-0.09	1.800	2.179
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	21350	2560	open	22.22	23.00	1.197	-	-	-0.04	1.930	2.310
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	DSI6	21100	2535	open	21.39	22.00	1.151	-	-	-0.18	1.500	1.726
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	DSI6	21100	2535	open	21.35	22.00	1.161	-	-	0.16	1.460	1.696
	LTE Band 7C	20M	QPSK	1	99	-	Back	0mm	Ant 1	DSI6	21100+21298	2535+2554.8	open	21.80	23.00	1.318	-	-	0.06	2.010	2.650
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	DSI6	21100	2535	open	20.39	21.40	1.262	-	-	-0.05	1.220	1.539
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 2	DSI6	21100	2535	open	20.33	21.40	1.279	-	-	0.15	1.140	1.458
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	21100	2535	open	20.39	21.40	1.262	-	-	0.01	1.900	2.397



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	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	20850	2510	open	20.21	21.40	1.315	-	-	0.03	1.800	2.367
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	21350	2560	open	20.24	21.40	1.306	-	-	-0.07	1.790	2.338
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	21100	2535	open	20.33	21.40	1.279	-	-	0.03	1.850	2.367
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	20850	2510	open	20.06	21.40	1.361	-	-	0.01	1.720	2.342
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	21350	2560	open	20.15	21.40	1.334	-	-	0.05	1.790	2.387
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI6	21100	2535	open	20.24	21.40	1.306	-	-	-0.02	1.810	2.364
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	21100	2535	open	20.39	21.40	1.262	-	-	-0.08	2.440	3.079
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	20850	2510	open	20.21	21.40	1.315	-	-	0.16	2.230	2.933
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	21350	2560	open	20.24	21.40	1.306	-	-	0.07	2.210	2.887
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	21100	2535	open	20.33	21.40	1.279	-	-	0.03	2.200	2.815
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	20850	2510	open	20.06	21.40	1.361	-	-	0.01	2.060	2.805
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	21350	2560	open	20.15	21.40	1.334	-	-	-0.02	2.110	2.814
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	DSI6	21100	2535	open	20.24	21.40	1.306	-	-	0.03	2.030	2.652
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6 Simultaneous	21100	2535	open	19.88	20.90	1.265	-	-	0.1	2.160	2.732
	LTE Band 7C	20M	QPSK	1	99	-	Top Side	0mm	Ant 2	DSI6	21100+21298	2535+2554.8	open	20.25	21.40	1.303	-	-	0.03	2.220	2.893
	LTE Band 7	20M	QPSK	1	0	-	Front	11mm	Ant 2	DSI4	21100	2535	open	22.13	23.00	1.222	-	-	0.06	0.436	0.533
	LTE Band 7	20M	QPSK	1	0	-	Back	13mm	Ant 2	DSI4	21100	2535	open	22.13	23.00	1.222	-	-	0.01	0.399	0.487
	LTE Band 7	20M	QPSK	1	0	-	Top Side	17mm	Ant 2	DSI4	21100	2535	open	22.13	23.00	1.222	-	-	-0.03	0.377	0.461
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	21100	2535	open	21.76	22.80	1.271	-	-	-0.04	1.680	2.135
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	20850	2510	open	21.72	22.80	1.282	-	-	-0.06	1.760	2.257
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	21350	2560	open	21.69	22.80	1.291	-	-	0.08	1.820	2.350
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	21100	2535	open	21.65	22.80	1.303	-	-	0.03	1.650	2.150
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	20850	2510	open	21.64	22.80	1.306	-	-	0.01	1.630	2.129
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	21350	2560	open	21.53	22.80	1.340	-	-	-0.02	1.600	2.143
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 3	DSI6	21100	2535	open	21.64	22.80	1.306	-	-	0.05	1.620	2.116
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	21100	2535	open	21.76	22.80	1.271	-	-	-0.07	2.360	2.999
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	20850	2510	open	21.72	22.80	1.282	-	-	0.04	2.410	3.090
78	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	21350	2560	open	21.69	22.80	1.291	-	-	-0.04	2.420	<b>3.125</b>
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	21100	2535	open	21.65	22.80	1.303	-	-	0.06	2.220	2.893
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	20850	2510	open	21.64	22.80	1.306	-	-	0.01	2.250	2.939
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	21350	2560	open	21.53	22.80	1.340	-	-	0.05	2.150	2.880
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI6	21100	2535	open	21.64	22.80	1.306	-	-	0.09	2.190	2.861
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6 Simultaneous	21350	2560	open	21.08	22.70	1.452	-	-	0.02	1.910	2.774
	LTE Band 7C	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	21350+21152	2560+2540.2	open	21.50	22.80	1.349	-	-	0.06	2.130	2.873
	LTE Band 7	20M	QPSK	1	0	-	Back	9mm	Ant 3	DSI4	21350	2560	open	23.24	24.00	1.191	-	-	0.06	0.337	0.401
	LTE Band 7	20M	QPSK	1	0	-	Top Side	14mm	Ant 3	DSI4	21350	2560	open	23.24	24.00	1.191	-	-	0.01	0.111	0.132
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	507000	2535	open	21.96	23.00	1.271	-	-	0.05	3.037	2.390
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	507000	2535	open	21.90	23.00	1.288	-	-	-0.04	3.105	2.410
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	507000	2535	open	20.94	22.00	1.276	-	-	0.06	2.693	2.110
79	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	507000	2535	open	22.93	23.90	1.250	-	-	0.15	2.510	<b>3.138</b>
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	507000	2535	open	22.87	23.90	1.268	-	-	0.05	2.460	3.118
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	507000	2535	open	22.13	23.00	1.222	-	-	-0.09	1.950	2.383
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	DSI6	507000	2535	open	22.93	23.90	1.250	-	-	0.18	1.440	1.800
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	DSI6	507000	2535	open	22.87	23.90	1.268	-	-	0.08	1.380	1.749
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	9mm	Ant 1	DSI4	507000	2535	open	22.93	24.00	1.279	-	-	0.03	0.373	0.477
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	DSI4	507000	2535	open	22.93	24.00	1.279	-	-	0.01	0.346	0.443
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 2	DSI6	507000	2535	open	21.40	22.30	1.230	-	-	-0.05	2.050	2.522
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 2	DSI6	507000	2535	open	21.29	22.30	1.262	-	-	0.12	1.690	2.132
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 2	DSI6	507000	2535	open	21.26	22.30	1.271	-	-	0.03	1.660	2.109
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI6	507000	2535	open	21.40	22.30	1.230	-	-	-0.14	2.530	3.113
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI6	507000	2535	open	21.29	22.30	1.262	-	-	0.06	1.990	2.511
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI6	507000	2535	open	21.26	22.30	1.271	-	-	0.03	1.960	2.490
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 2	DSI6	507000	2535	open	21.40	22.30	1.230	-	-	0.02	2.110	2.596
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 2	DSI6	507000	2535	open	21.29	22.30	1.262	-	-	-0.05	1.940	2.448
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 2	DSI6	507000	2535	open	21.26	22.30	1.271	-	-	0.19	1.910	2.427



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	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI6 Simultaneous	507000	2535	open	20.93	22.00	1.279	-	-	-0.14	2.170	2.776
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	11mm	Ant 2	DSI4	507000	2535	open	23.91	24.00	1.021	-	-	-0.13	0.516	0.527
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	13mm	Ant 2	DSI4	507000	2535	open	23.91	24.00	1.021	-	-	0.06	0.468	0.478
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	17mm	Ant 2	DSI4	507000	2535	open	23.91	24.00	1.021	-	-	-0.06	0.455	0.465
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 3	DSI6	507000	2535	open	21.81	22.80	1.256	-	-	0.03	1.750	2.198
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 3	DSI6	507000	2535	open	21.64	22.80	1.306	-	-	0.04	1.680	2.194
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 3	DSI6	507000	2535	open	21.60	22.80	1.318	-	-	0.06	1.650	2.175
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6	507000	2535	open	21.81	22.80	1.256	-	-	0.03	2.320	2.914
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6	507000	2535	open	21.64	22.80	1.306	-	-	-0.03	2.390	3.122
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6	507000	2535	open	21.60	22.80	1.318	-	-	0.02	2.250	2.966
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 3	DSI6 Simultaneous	507000	2535	open	21.20	22.50	1.349	-	-	-0.03	2.040	2.752
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	9mm	Ant 3	DSI4	507000	2535	open	23.78	24.00	1.052	-	-	0.02	0.326	0.343
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	14mm	Ant 3	DSI4	507000	2535	open	23.73	24.00	1.064	-	-	0.09	0.155	0.165
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI6	518598	2592.99	open	21.86	23.00	1.300	-	-	-0.09	2.250	2.925
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI6	518598	2592.99	open	21.78	23.00	1.324	-	-	0.06	2.350	3.112
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI6	518598	2592.99	open	20.56	22.00	1.393	-	-	0.03	2.130	2.967
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI6	518598	2592.99	open	24.86	26.00	1.300	50	1.000	0.09	2.350	3.055
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	open	22.97	23.90	1.239	-	-	0.02	2.350	2.911
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	open	22.91	23.90	1.256	-	-	-0.02	2.450	3.077
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	open	21.89	23.00	1.291	-	-	0.09	1.930	2.492
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	518598	2592.99	open	22.97	23.90	1.239	-	-	-0.13	1.950	2.416
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	518598	2592.99	open	22.91	23.90	1.256	-	-	0.06	1.970	2.474
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	518598	2592.99	open	21.89	23.00	1.291	-	-	0.06	1.560	2.014
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	open	25.96	26.90	1.242	50	1.000	0.09	2.380	2.955
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant 1	DSI4	518598	2592.99	open	22.91	24.00	1.285	-	-	0.08	0.365	0.469
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI4	518598	2592.99	open	22.91	24.00	1.285	-	-	0.07	0.333	0.428
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 2	DSI6	518598	2592.99	open	20.78	21.70	1.236	-	-	-0.09	2.000	2.472
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 2	DSI6	518598	2592.99	open	20.61	21.70	1.285	-	-	0.05	1.930	2.481
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 2	DSI6	518598	2592.99	open	20.55	21.70	1.303	-	-	0.07	1.830	2.385
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI6	518598	2592.99	open	20.78	21.70	1.236	-	-	0.01	1.880	2.324
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI6	518598	2592.99	open	20.61	21.70	1.285	-	-	0.04	1.810	2.326
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI6	518598	2592.99	open	20.55	21.70	1.303	-	-	0.09	1.710	2.228
80	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	518598	2592.99	open	20.78	21.70	1.236	-	-	0.1	2.520	<b>3.115</b>
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	518598	2592.99	open	20.61	21.70	1.285	-	-	-0.19	2.400	3.085
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	518598	2592.99	open	20.55	21.70	1.303	-	-	0.05	2.310	3.010
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	518598	2592.99	open	23.75	24.70	1.245	50	1.000	-0.05	2.380	2.962
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6 Simultaneous	518598	2592.99	open	20.23	21.30	1.279	-	-	0.01	2.140	2.738
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	11mm	Ant 2	DSI4	518598	2592.99	open	23.72	24.00	1.067	-	-	0.07	0.398	0.425
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	13mm	Ant 2	DSI4	518598	2592.99	open	23.72	24.00	1.067	-	-	0.01	0.369	0.394
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	17mm	Ant 2	DSI4	518598	2592.99	open	23.79	24.00	1.050	-	-	0.02	0.378	0.397
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	518598	2592.99	open	22.67	24.00	1.358	-	-	-0.05	1.620	2.200
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	518598	2592.99	open	22.52	24.00	1.406	-	-	0.03	1.700	2.390
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	518598	2592.99	open	22.40	23.50	1.288	-	-	0.04	1.590	2.048
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	518598	2592.99	open	22.67	24.00	1.358	-	-	0.18	1.690	2.296
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	518598	2592.99	open	22.52	24.00	1.406	-	-	0.12	1.660	2.334
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	518598	2592.99	open	22.40	23.50	1.288	-	-	0.1	1.560	2.010
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	open	22.67	24.00	1.358	-	-	-0.11	2.280	3.097
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	open	22.52	24.00	1.406	-	-	0.03	2.100	2.953
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	open	22.40	23.50	1.288	-	-	0.03	2.160	2.783
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	open	25.69	27.00	1.352	50	1.000	0.07	2.210	2.988
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6 Simultaneous	518598	2592.99	open	22.01	23.50	1.409	-	-	0.02	2.040	2.875
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	11mm	Ant 3	DSI4	518598	2592.99	open	24.08	24.50	1.102	-	-	-0.03	0.236	0.260
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant 3	DSI4	518598	2592.99	open	24.08	24.50	1.102	-	-	0.05	0.352	0.388
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	14mm	Ant 3	DSI4	518598	2592.99	open	24.14	24.50	1.086	-	-	-0.18	0.117	0.127
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	40620	2593	open	22.69	24.00	1.352	62.9	1.006	0.03	1.100	1.496



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	40620	2593	open	21.64	23.00	1.368	62.9	1.006	0.01	0.895	1.231
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	40620	2593	open	22.69	24.00	1.352	62.9	1.006	0.02	1.360	1.850
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	39750	2506	open	22.54	24.00	1.400	62.9	1.006	-0.14	1.300	1.830
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	40185	2549.5	open	22.62	24.00	1.374	62.9	1.006	-0.15	1.330	1.838
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	41055	2636.5	open	22.51	24.00	1.409	62.9	1.006	0.07	1.230	1.744
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	41490	2680	open	22.48	24.00	1.419	62.9	1.006	0.05	1.200	1.713
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	DSI6	40620	2593	open	21.64	23.00	1.368	62.9	1.006	0.16	1.080	1.486
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	DSI6	40620	2593	open	21.58	23.00	1.387	62.9	1.006	-0.1	1.010	1.409
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	40620	2593	open	25.64	27.00	1.368	42.9	1.009	0.02	<b>1.730</b>	<b>2.387</b>
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	39750	2506	open	25.50	27.00	1.413	42.9	1.009	0.03	1.600	2.280
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	40185	2549.5	open	25.47	27.00	1.422	42.9	1.009	0.01	1.570	2.253
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	41055	2636.5	open	25.41	27.00	1.442	42.9	1.009	0.02	1.530	2.226
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI6	41490	2680	open	25.55	27.00	1.396	42.9	1.009	0.06	1.630	2.297
	LTE Band 41C	20M	QPSK	1	99	-	Bottom Side	0mm	Ant 1	DSI6	40620+40818	2593+2612.8	open	22.58	24.00	1.387	62.9	1.006	0.03	1.240	1.730
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Bottom Side	0mm	Ant 1	DSI6	40620+40818	2593+2612.8	open	25.58	27.00	1.387	42.9	1.009	0.06	1.650	2.309
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	40620	2593	open	22.68	23.70	1.265	62.9	1.006	0.08	1.770	2.252
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	39750	2506	open	22.57	23.70	1.297	62.9	1.006	0.07	1.690	2.205
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	40185	2549.5	open	22.61	23.70	1.285	62.9	1.006	0.07	1.760	2.276
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	41055	2636.5	open	22.55	23.70	1.303	62.9	1.006	0.02	1.790	2.347
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI6	41490	2680	open	22.49	23.70	1.321	62.9	1.006	0.06	1.680	2.233
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	40620	2593	open	21.53	23.00	1.403	62.9	1.006	0.05	1.450	2.046
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	39750	2506	open	21.46	23.00	1.426	62.9	1.006	0.13	1.420	2.037
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	40185	2549.5	open	21.47	23.00	1.422	62.9	1.006	-0.16	1.410	2.018
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	41055	2636.5	open	21.47	23.00	1.422	62.9	1.006	0.05	1.440	2.060
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI6	41490	2680	open	21.43	23.00	1.435	62.9	1.006	0.05	1.380	1.993
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI6	40620	2593	open	21.49	23.00	1.416	62.9	1.006	-0.09	1.360	1.937
81	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	40620	2593	open	22.68	23.70	1.265	62.9	1.006	0.07	2.440	<b>3.104</b>
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	39750	2506	open	22.57	23.70	1.297	62.9	1.006	0.09	2.110	2.753
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	40185	2549.5	open	22.61	23.70	1.285	62.9	1.006	0.04	2.080	2.689
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	41055	2636.5	open	22.55	23.70	1.303	62.9	1.006	-0.08	2.250	2.950
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	41490	2680	open	22.49	23.70	1.321	62.9	1.006	0.07	2.180	2.898
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	40620	2593	open	21.53	23.00	1.403	62.9	1.006	0.11	1.910	2.695
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	39750	2506	open	21.46	23.00	1.426	62.9	1.006	0.08	1.840	2.639
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	40185	2549.5	open	21.47	23.00	1.422	62.9	1.006	0.06	1.890	2.704
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	41055	2636.5	open	21.47	23.00	1.422	62.9	1.006	-0.19	1.970	2.819
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	41490	2680	open	21.43	23.00	1.435	62.9	1.006	0.04	1.830	2.643
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	DSI6	40620	2593	open	21.49	23.00	1.416	62.9	1.006	-0.03	1.890	2.692
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	40620	2593	open	24.27	25.30	1.268	42.9	1.009	-0.05	2.370	3.031
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6 Simultaneous	40620	2593	open	22.01	23.10	1.285	62.9	1.006	-0.17	2.120	2.741
	LTE Band 41C	20M	QPSK	1	99	-	Top Side	0mm	Ant 2	DSI6	40620+40818	2593+2612.8	open	22.56	23.70	1.300	62.9	1.006	0.03	2.240	2.930
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Top Side	0mm	Ant 2	DSI6	40620+40818	2593+2612.8	open	24.15	25.30	1.303	42.9	1.009	0.01	2.160	2.840
	LTE Band 41	20M	QPSK	1	0	-	Back	13mm	Ant 2	DSI4	41055	2636.5	open	22.55	24.00	1.396	62.9	1.006	0.03	0.151	0.212
	LTE Band 41	20M	QPSK	1	0	-	Top Side	17mm	Ant 2	DSI4	40620	2593	open	22.68	24.00	1.355	62.9	1.006	0.01	0.176	0.240
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	40620	2593	open	23.85	24.00	1.035	62.9	1.006	0.03	1.890	1.968
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	39750	2506	open	23.65	24.00	1.084	62.9	1.006	0.04	1.750	1.908
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	40185	2549.5	open	23.73	24.00	1.064	62.9	1.006	-0.15	1.780	1.906
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	41055	2636.5	open	23.67	24.00	1.079	62.9	1.006	-0.03	1.740	1.889
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	41490	2680	open	23.58	24.00	1.102	62.9	1.006	-0.15	1.690	1.873
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	40620	2593	open	22.80	23.00	1.047	62.9	1.006	-0.09	1.490	1.570
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	39750	2506	open	22.66	23.00	1.081	62.9	1.006	0.13	1.360	1.480
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	40185	2549.5	open	22.72	23.00	1.067	62.9	1.006	-0.04	1.410	1.513
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	41055	2636.5	open	22.69	23.00	1.074	62.9	1.006	-0.02	1.390	1.502
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	41490	2680	open	22.55	23.00	1.109	62.9	1.006	-0.1	1.360	1.518
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 3	DSI6	40620	2593	open	22.75	23.00	1.059	62.9	1.006	-0.12	1.440	1.534
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	40620	2593	open	26.83	27.00	1.040	42.9	1.009	0.01	<b>2.340</b>	<b>2.455</b>



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**Report No. : FA2D0913-01**

	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	39750	2506	open	26.70	27.00	1.072	42.9	1.009	-0.16	2.220	2.400
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	40185	2549.5	open	26.77	27.00	1.054	42.9	1.009	0.11	2.260	2.404
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	41055	2636.5	open	26.61	27.00	1.094	42.9	1.009	0.02	2.160	2.384
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	41490	2680	open	26.59	27.00	1.099	42.9	1.009	0.06	2.150	2.384
	LTE Band 41C	20M	QPSK	1	99	-	Back	0mm	Ant 3	DSI6	40620+40818	2593+2612.8	open	23.79	24.00	1.050	62.9	1.006	0.03	1.820	1.922
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	0mm	Ant 3	DSI6	40620+40818	2593+2612.8	open	26.79	27.00	1.050	42.9	1.009	0.04	2.260	2.393
<b>3500MHz</b>																					
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	42590	3500	open	20.94	22.00	1.276	62.9	1.006	0.07	2.190	2.812
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	42190	3460	open	20.89	22.00	1.291	62.9	1.006	0.05	2.300	2.988
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	42990	3540	open	20.91	22.00	1.285	62.9	1.006	-0.08	2.160	2.793
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	42590	3500	open	20.33	21.00	1.167	62.9	1.006	0.14	1.820	2.136
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	42190	3460	open	20.22	21.00	1.197	62.9	1.006	0.04	1.750	2.107
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	42990	3540	open	20.29	21.00	1.178	62.9	1.006	0.03	1.790	2.121
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	DSI6	42590	3500	open	20.26	21.00	1.186	62.9	1.006	0.03	1.720	2.052
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	42190	3460	open	20.32	21.60	1.343	62.9	1.006	0.12	2.050	2.769
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	17mm	Ant 2	DSI4	42190	3460	open	21.35	22.00	1.161	62.9	1.006	0.03	0.254	0.297
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	0mm	Ant 3	DSI6	42590	3500	open	21.38	22.60	1.324	62.9	1.006	0.02	0.818	1.090
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	0mm	Ant 3	DSI6	42590	3500	open	21.32	22.60	1.343	62.9	1.006	-0.02	0.754	1.019
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	42590	3500	open	21.38	22.60	1.324	62.9	1.006	-0.01	0.891	1.187
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	42590	3500	open	21.32	22.60	1.343	62.9	1.006	0.06	0.585	0.790
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	42590	3500	open	21.38	22.60	1.324	62.9	1.006	0.08	2.250	2.998
82	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	42190	3460	open	21.37	22.60	1.327	62.9	1.006	0.03	2.330	3.111
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	42990	3540	open	21.33	22.60	1.340	62.9	1.006	-0.14	2.150	2.898
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	42590	3500	open	21.32	22.60	1.343	62.9	1.006	-0.08	2.130	2.877
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	42190	3460	open	21.29	22.60	1.352	62.9	1.006	-0.16	2.240	3.047
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	42990	3540	open	21.16	22.60	1.393	62.9	1.006	0.06	2.160	3.027
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI6	42590	3500	open	21.31	22.60	1.346	62.9	1.006	0.01	2.210	2.992
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	42190	3460	open	20.88	22.00	1.294	62.9	1.006	0.09	2.100	2.734
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	11mm	Ant 3	DSI4	42590	3500	open	23.32	24.00	1.169	62.9	1.006	0.02	0.146	0.172
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	9mm	Ant 3	DSI4	42590	3500	open	23.32	24.00	1.169	62.9	1.006	-0.02	0.232	0.273
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	14mm	Ant 3	DSI4	42190	3460	open	23.24	24.00	1.191	62.9	1.006	-0.01	0.177	0.212
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	55830	3609	open	21.30	22.00	1.175	62.9	1.006	0.08	2.280	2.695
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	55340	3560	open	21.23	22.00	1.194	62.9	1.006	-0.05	2.240	2.691
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	56150	3641	open	21.19	22.00	1.205	62.9	1.006	-0.03	2.260	2.740
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	56640	3690	open	21.13	22.00	1.222	62.9	1.006	0.08	2.390	2.938
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	55830	3609	open	21.28	22.00	1.180	62.9	1.006	-0.1	2.160	2.565
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	55340	3560	open	21.13	22.00	1.222	62.9	1.006	0.06	2.120	2.606
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	56150	3641	open	21.09	22.00	1.233	62.9	1.006	0.05	2.090	2.593
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	DSI6	56640	3690	open	20.96	22.00	1.271	62.9	1.006	0.03	2.130	2.723
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	DSI6	55830	3609	open	21.16	22.00	1.213	62.9	1.006	0.11	2.080	2.539
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	DSI6	56640	3690	open	20.49	21.60	1.291	62.9	1.006	0.08	2.130	2.767
	LTE Band 48	20M	QPSK	1	0	-	Top Side	17mm	Ant 2	DSI4	56640	3690	open	21.31	22.00	1.172	62.9	1.006	0.02	0.236	0.278
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 3	DSI6	55830	3609	open	21.69	22.70	1.262	62.9	1.006	-0.19	1.140	1.447
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 3	DSI6	55830	3609	open	21.63	22.70	1.279	62.9	1.006	-0.18	1.080	1.390
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	55830	3609	open	21.69	22.70	1.262	62.9	1.006	0.04	1.260	1.599
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	55340	3560	open	21.60	22.70	1.288	62.9	1.006	0.03	1.210	1.568
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	56150	3641	open	21.53	22.70	1.309	62.9	1.006	0.05	1.160	1.528
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 3	DSI6	56640	3690	open	21.59	22.70	1.291	62.9	1.006	-0.03	1.190	1.546
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	55830	3609	open	21.63	22.70	1.279	62.9	1.006	0.08	1.190	1.532
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	55340	3560	open	21.60	22.70	1.288	62.9	1.006	0.02	1.160	1.503
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	56150	3641	open	21.57	22.70	1.297	62.9	1.006	0.03	1.120	1.462
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 3	DSI6	56640	3690	open	21.45	22.70	1.334	62.9	1.006	-0.05	1.100	1.476
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 3	DSI6	55830	3609	open	21.57	22.70	1.297	62.9	1.006	0.01	1.130	1.475
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	55830	3609	open	21.69	22.70	1.262	62.9	1.006	-0.18	2.380	3.021
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	55340	3560	open	21.60	22.70	1.288	62.9	1.006	-0.13	2.390	3.097





**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	56150	3641	open	21.53	22.70	1.309	62.9	1.006	0.03	2.360	3.108
83	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	56640	3690	open	21.59	22.70	1.291	62.9	1.006	0.01	2.420	3.143
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	55830	3609	open	21.63	22.70	1.279	62.9	1.006	0.07	2.250	2.896
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	55340	3560	open	21.60	22.70	1.288	62.9	1.006	0.02	2.220	2.877
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	56150	3641	open	21.57	22.70	1.297	62.9	1.006	-0.13	2.180	2.845
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	DSI6	56640	3690	open	21.45	22.70	1.334	62.9	1.006	-0.02	2.240	3.005
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI6	55830	3609	open	21.57	22.70	1.297	62.9	1.006	0.07	2.160	2.819
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6 Simultaneous	56640	3690	open	21.07	22.00	1.239	62.9	1.006	0.06	2.240	2.792
	LTE Band 48	20M	QPSK	1	0	-	Front	11mm	Ant 3	DSI4	55830	3609	open	23.51	24.00	1.119	62.9	1.006	0.02	0.156	0.176
	LTE Band 48	20M	QPSK	1	0	-	Back	9mm	Ant 3	DSI4	55830	3609	open	23.51	24.00	1.119	62.9	1.006	0.03	0.223	0.251
	LTE Band 48	20M	QPSK	1	0	-	Top Side	14mm	Ant 3	DSI4	56640	3690	open	23.27	24.00	1.183	62.9	1.006	0.02	0.164	0.195
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	656000	3840	open	23.24	24.00	1.191	-	-	0.04	1.850	2.204
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	656000	3840	open	23.19	24.00	1.205	-	-	0.06	1.820	2.193
	FR1 n77_Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	656000	3840	open	21.67	23.00	1.358	-	-	0.01	1.450	1.970
	FR1 n77_Part270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	DSI6	656000	3840	open	26.17	27.00	1.211	50	1.000	0.02	1.780	2.155
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 2	DSI6	656000	3840	open	18.64	19.70	1.276	-	-	-0.06	1.090	1.391
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 2	DSI6	656000	3840	open	18.53	19.70	1.309	-	-	0.18	1.030	1.348
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI6	656000	3840	open	18.64	19.70	1.276	-	-	-0.11	1.150	1.468
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI6	656000	3840	open	18.53	19.70	1.309	-	-	0.13	1.090	1.427
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	656000	3840	open	18.64	19.70	1.276	-	-	0.14	2.320	2.961
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	656000	3840	open	18.53	19.70	1.309	-	-	-0.18	2.240	2.933
	FR1 n77_Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	656000	3840	open	18.48	19.70	1.324	-	-	0.14	2.230	2.953
	FR1 n77_Part270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	656000	3840	open	21.65	22.70	1.274	50	1.000	-0.08	2.350	2.993
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6 Simultaneous	656000	3840	open	18.19	19.20	1.262	-	-	0.14	2.070	2.612
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	11mm	Ant 2	DSI4	656000	3840	open	23.13	24.00	1.222	-	-	0.04	0.198	0.242
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	13mm	Ant 2	DSI4	656000	3840	open	23.13	24.00	1.222	-	-	-0.05	0.205	0.250
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	17mm	Ant 2	DSI4	656000	3840	open	23.13	24.00	1.222	-	-	-0.08	0.236	0.288
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	656000	3840	open	19.17	20.70	1.422	-	-	0.07	1.410	2.005
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	656000	3840	open	19.14	20.70	1.432	-	-	-0.1	1.330	1.905
	FR1 n77_Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 3	DSI6	656000	3840	open	19.07	20.70	1.455	-	-	0.03	1.300	1.892
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	656000	3840	open	19.17	20.70	1.422	-	-	0.14	1.470	2.091
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	656000	3840	open	19.14	20.70	1.432	-	-	-0.12	1.370	1.962
	FR1 n77_Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	656000	3840	open	19.07	20.70	1.455	-	-	0.02	1.320	1.921
84	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	open	19.17	20.70	1.422	-	-	0.01	2.200	3.129
	FR1 n77_Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	open	19.14	20.70	1.432	-	-	-0.04	2.150	3.079
	FR1 n77_Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	open	19.07	20.70	1.455	-	-	0.03	2.060	2.998
	FR1 n77_Part270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	656000	3840	open	22.27	23.70	1.390	50	1.000	0.02	2.100	2.919
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6 Simultaneous	656000	3840	open	18.69	20.30	1.449	-	-	0.01	1.950	2.825
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	11mm	Ant 3	DSI4	656000	3840	open	23.09	24.00	1.233	-	-	-0.08	0.258	0.318
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 3	DSI4	656000	3840	open	23.09	24.00	1.233	-	-	-0.14	0.469	0.578
	FR1 n77_Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	14mm	Ant 3	DSI4	656000	3840	open	23.09	24.00	1.233	-	-	-0.05	0.398	0.491



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	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)	
<b>WLAN</b>																		
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.07	1.450	2.115	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+5(5)	Full power	6	2437	open	21.19	23.00	1.517	100	1.000	-0.1	1.350	2.048	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.03	1.200	1.751	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	-0.15	1.600	2.334	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 4+5(5)	Full power	6	2437	open	21.19	23.00	1.517	100	1.000	0.1	1.510	2.291	
85	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.03	2.090	<b>3.049</b>	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+5(5)	Full power	6	2437	open	21.19	23.00	1.517	100	1.000	0.08	1.910	2.898	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+5(5)	Full power	1	2412	open	20.85	22.50	1.462	100	1.000	0.09	1.850	2.705	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+5(4)	DBS only	11	2462	open	18.45	20.00	1.429	100	1.000	0.03	0.867	1.239	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+5(4)	DBS only	11	2462	open	18.45	20.00	1.429	100	1.000	0.01	0.718	1.026	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 4+5(4)	DBS only	11	2462	open	18.45	20.00	1.429	100	1.000	0.06	0.957	1.367	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+5(4)	DBS only	11	2462	open	18.45	20.00	1.429	100	1.000	-0.07	1.250	1.786	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 4+5(4)	DBS only	11	2462	open	18.45	20.00	1.429	100	1.000	0.03	0.532	0.760	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+5(4)	WWAN+ non DBS	11	2462	open	14.89	16.50	1.449	100	1.000	0.09	0.382	0.553	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+5(4)	WWAN+ non DBS	11	2462	open	14.89	16.50	1.449	100	1.000	0.04	0.316	0.458	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 4+5(4)	WWAN+ non DBS	11	2462	open	14.89	16.50	1.449	100	1.000	0.09	0.422	0.611	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+5(4)	WWAN+ non DBS	11	2462	open	14.89	16.50	1.449	100	1.000	0.18	0.551	0.798	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 4+5(4)	WWAN+ non DBS	11	2462	open	14.89	16.50	1.449	100	1.000	0.01	0.266	0.385	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 4+5(4)	WWAN+DBS	11	2462	open	11.88	13.50	1.452	100	1.000	0.03	0.184	0.267	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+5(4)	WWAN+DBS	11	2462	open	11.88	13.50	1.452	100	1.000	-0.15	0.152	0.221	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 4+5(4)	WWAN+DBS	11	2462	open	11.88	13.50	1.452	100	1.000	-0.13	0.203	0.295	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 4+5(4)	WWAN+DBS	11	2462	open	11.88	13.50	1.452	100	1.000	0.17	0.265	0.385	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 4+5(4)	WWAN+DBS	11	2462	open	11.88	13.50	1.452	100	1.000	0.02	0.133	0.193	
	WLAN2.4GHz	802.11b 1Mbps	Front	12mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.09	0.236	0.344	
	WLAN2.4GHz	802.11b 1Mbps	Back	9mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.18	0.362	0.528	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	17mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.07	0.163	0.238	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	13mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	-0.1	0.423	0.617	
	WLAN5.2GHz	802.11a 6Mbps	Front	0mm	Ant 4+5(5)	DBS only	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.03	0.392	0.602	
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 4+5(5)	DBS only	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.01	0.425	0.652	
86	WLAN5.2GHz	802.11a 6Mbps	Left Side	0mm	Ant 4+5(5)	DBS only	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.1	0.649	<b>0.996</b>	
	WLAN5.2GHz	802.11a 6Mbps	Right Side	0mm	Ant 4+5(5)	DBS only	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.03	0.588	0.902	
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 4+5(5)	DBS only	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.02	0.511	0.784	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4+5(5)	WWAN +non DBS	46	5230	open	16.19	17.50	1.352	100	1.000	0.08	0.234	0.316	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4+5(5)	WWAN +non DBS	46	5230	open	16.19	17.50	1.352	100	1.000	0.03	0.254	0.343	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4+5(5)	WWAN +non DBS	46	5230	open	16.19	17.50	1.352	100	1.000	0.12	0.387	0.523	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4+5(5)	WWAN +non DBS	46	5230	open	16.19	17.50	1.352	100	1.000	-0.03	0.351	0.475	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4+5(5)	WWAN +non DBS	46	5230	open	16.19	17.50	1.352	100	1.000	-0.13	0.305	0.412	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+5(4)	WWAN +DBS	42	5210	open	13.37	15.00	1.455	100	1.000	0.06	0.117	0.170	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+5(4)	WWAN +DBS	42	5210	open	13.37	15.00	1.455	100	1.000	-0.13	0.126	0.183	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+5(4)	WWAN +DBS	42	5210	open	13.37	15.00	1.455	100	1.000	0.03	0.193	0.281	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+5(4)	WWAN +DBS	42	5210	open	13.37	15.00	1.455	100	1.000	0.02	0.175	0.255	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+5(4)	WWAN +DBS	42	5210	open	13.37	15.00	1.455	100	1.000	0.08	0.152	0.221	
	WLAN5.2GHz	802.11a 6Mbps	Front	12mm	Ant 4+5(5)	Full power	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.03	0.265	0.407	
	WLAN5.2GHz	802.11a 6Mbps	Back	9mm	Ant 4+5(5)	Full power	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.01	0.385	0.591	
	WLAN5.2GHz	802.11a 6Mbps	Left Side	17mm	Ant 4+5(5)	Full power	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.1	0.166	0.255	
	WLAN5.2GHz	802.11a 6Mbps	Right Side	13mm	Ant 4+5(5)	Full power	48	5240	open	19.17	21.00	1.524	99.32	1.007	0.03	0.456	0.700	
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 4+5(4)	DBS only	56	5280	open	18.89	20.50	1.449	99.32	1.007	-0.05	0.347	0.506	
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 4+5(4)	DBS only	56	5280	open	18.89	20.50	1.449	99.32	1.007	-0.09	0.376	0.549	
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 4+5(4)	DBS only	56	5280	open	18.89	20.50	1.449	99.32	1.007	0.09	0.574	0.837	
87	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 4+5(4)	DBS only	56	5280	open	18.89	20.50	1.449	99.32	1.007	0.06	0.655	<b>0.956</b>	
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 4+5(4)	DBS only	56	5280	open	18.89	20.50	1.449	99.32	1.007	-0.13	0.452	0.659	



	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+5(5)	WWAN+ non DBS	58	5290	open	15.73	17.50	1.503	100	1.000	0.12	0.195	0.293
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+5(5)	WWAN+ non DBS	58	5290	open	15.73	17.50	1.503	100	1.000	-0.03	0.211	0.317
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+5(5)	WWAN+ non DBS	58	5290	open	15.73	17.50	1.503	100	1.000	0.01	0.322	0.484
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+5(5)	WWAN+ non DBS	58	5290	open	15.73	17.50	1.503	100	1.000	-0.14	0.368	0.553
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+5(5)	WWAN+ non DBS	58	5290	open	15.73	17.50	1.503	100	1.000	0.05	0.254	0.382
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+5(5)	WWAN+DBS	58	5290	open	12.75	14.50	1.496	100	1.000	0.09	0.097	0.145
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+5(5)	WWAN+DBS	58	5290	open	12.75	14.50	1.496	100	1.000	0.03	0.106	0.159
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+5(5)	WWAN+DBS	58	5290	open	12.75	14.50	1.496	100	1.000	0.01	0.161	0.241
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+5(5)	WWAN+DBS	58	5290	open	12.75	14.50	1.496	100	1.000	-0.08	0.184	0.275
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+5(5)	WWAN+DBS	58	5290	open	12.75	14.50	1.496	100	1.000	0.03	0.127	0.190
	WLAN5.3GHz	802.11a 6Mbps	Front	12mm	Ant 4+5(4)	Full power	56	5280	open	18.89	20.50	1.449	99.32	1.007	-0.03	0.216	0.315
	WLAN5.3GHz	802.11a 6Mbps	Back	9mm	Ant 4+5(4)	Full power	56	5280	open	18.89	20.50	1.449	99.32	1.007	-0.13	0.346	0.505
	WLAN5.3GHz	802.11a 6Mbps	Left Side	17mm	Ant 4+5(4)	Full power	56	5280	open	18.89	20.50	1.449	99.32	1.007	0.06	0.152	0.222
	WLAN5.3GHz	802.11a 6Mbps	Right Side	13mm	Ant 4+5(4)	Full power	56	5280	open	18.89	20.50	1.449	99.32	1.007	0.02	0.438	0.639
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 4+5(4)	DBS only	140	5700	open	18.49	20.00	1.416	99.32	1.007	-0.01	0.394	0.562
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 4+5(4)	DBS only	140	5700	open	18.49	20.00	1.416	99.32	1.007	-0.06	0.346	0.493
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 4+5(4)	DBS only	140	5700	open	18.49	20.00	1.416	99.32	1.007	0.18	0.278	0.396
88	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 4+5(4)	DBS only	140	5700	open	18.49	20.00	1.416	99.32	1.007	-0.11	0.835	1.190
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 4+5(4)	DBS only	140	5700	open	18.49	20.00	1.416	99.32	1.007	0.07	0.199	0.284
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+5(5)	WWAN+ non DBS	138	5690	open	16.52	18.00	1.406	100	1.000	-0.07	0.248	0.349
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+5(5)	WWAN+ non DBS	138	5690	open	16.52	18.00	1.406	100	1.000	0.03	0.218	0.307
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+5(5)	WWAN+ non DBS	138	5690	open	16.52	18.00	1.406	100	1.000	0.09	0.175	0.246
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+5(5)	WWAN+ non DBS	138	5690	open	16.52	18.00	1.406	100	1.000	0.04	0.526	0.740
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+5(5)	WWAN+ non DBS	138	5690	open	16.52	18.00	1.406	100	1.000	0.09	0.125	0.176
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4+5(5)	WWAN+DBS	138	5690	open	13.41	15.00	1.442	100	1.000	0.18	0.125	0.180
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4+5(5)	WWAN+DBS	138	5690	open	13.41	15.00	1.442	100	1.000	0.01	0.109	0.157
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4+5(5)	WWAN+DBS	138	5690	open	13.41	15.00	1.442	100	1.000	0.03	0.088	0.127
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4+5(5)	WWAN+DBS	138	5690	open	13.41	15.00	1.442	100	1.000	-0.15	0.264	0.381
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4+5(5)	WWAN+DBS	138	5690	open	13.41	15.00	1.442	100	1.000	-0.13	0.063	0.091
	WLAN5.5GHz	802.11a 6Mbps	Front	12mm	Ant 4+5(4)	Full power	140	5700	open	18.49	20.00	1.416	99.32	1.007	-0.14	0.222	0.317
	WLAN5.5GHz	802.11a 6Mbps	Back	9mm	Ant 4+5(4)	Full power	140	5700	open	18.49	20.00	1.416	99.32	1.007	0.06	0.315	0.449
	WLAN5.5GHz	802.11a 6Mbps	Left Side	17mm	Ant 4+5(4)	Full power	140	5700	open	18.49	20.00	1.416	99.32	1.007	0.04	0.142	0.202
	WLAN5.5GHz	802.11a 6Mbps	Right Side	13mm	Ant 4+5(4)	Full power	140	5700	open	18.49	20.00	1.416	99.32	1.007	0.09	0.452	0.644



16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	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	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3	132322	1745	open	21.43	22.00	1.140	-	-	-0.07	1.080	1	1.231
2nd	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3	132322	1745	open	21.43	22.00	1.140	-	-	0.03	1.060	1.019	1.209
1st	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI2	26590	1905	open	18.77	19.40	1.156	-	-	0.01	1.080	1	1.249
2nd	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI2	26590	1905	open	18.77	19.40	1.156	-	-	0.03	1.060	1.019	1.225
1st	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	DSI5	507000	2535	close	22.75	23.30	1.135	-	-	0.06	1.090	1	1.237
2nd	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	DSI5	507000	2535	close	22.75	23.30	1.135	-	-	0.06	1.070	1.019	1.214
1st	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	DSI5	42590	3500	close	20.78	21.60	1.208	62.9	1.006	0.01	1.030	1	1.252
2nd	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	DSI5	42590	3500	close	20.78	21.60	1.208	62.9	1.006	0.01	1.010	1.020	1.227
1st	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI2	56640	3690	open	17.81	18.40	1.146	62.9	1.006	0.03	1.090	1	1.256
2nd	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI2	56640	3690	open	17.81	18.40	1.146	62.9	1.006	0.08	1.060	1.028	1.222
1st	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DSI2	656000	3840	open	17.41	18.10	1.172	50	1.000	-0.04	1.050	1	1.231
2nd	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DSI2	656000	3840	open	17.41	18.10	1.172	50	1.000	0.02	1.020	1.029	1.196
1st	WLAN 5.3GHz	-	-	-	-	802.11a 6Mbps	Left Cheek	0mm	Ant 4+5(4)	Full power	56	5280	open	18.89	20.50	1.449	99.32	1.007	0.07	0.816	1	1.190
2nd	WLAN 5.3GHz	-	-	-	-	802.11a 6Mbps	Left Cheek	0mm	Ant 4+5(4)	Full power	56	5280	open	18.89	20.50	1.449	99.32	1.007	0.02	0.810	1.007	1.182
1st	WLAN 5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(5)	Standalone	138	5690	open	16.52	18.00	1.406	100	1.000	-0.03	0.815	1	1.146
2nd	WLAN 5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(5)	Standalone	138	5690	open	16.52	18.00	1.406	100	1.000	0.04	0.808	1.009	1.136
1st	WLAN 5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(4)	Standalone	155	5775	open	16.12	17.50	1.374	100	1.000	0.03	0.813	1	1.117
2nd	WLAN 5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(4)	Standalone	155	5775	open	16.12	17.50	1.374	100	1.000	0.05	0.810	1.004	1.113
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	Standalone	11	2462	open	19.95	21.50	1.429	100	1.000	0.01	0.942	1	1.346
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Front	5mm	Ant 4+5(4)	Standalone	11	2462	open	19.95	21.50	1.429	100	1.000	0.03	0.922	1.022	1.317

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6	1312	1712.4	open	24.27	24.50	1.054	-	-	0.06	2.220	1	2.341
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI6	1312	1712.4	open	24.27	24.50	1.054	-	-	0.03	2.200	1.009	2.320
1st	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	open	22.76	23.80	1.271	-	-	0.06	2.470	1	3.138
2nd	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	26340	1880	open	22.76	23.80	1.271	-	-	0.03	2.430	1.016	3.087
1st	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI6	507000	2535	open	21.40	22.30	1.230	-	-	-0.14	2.530	1	3.113
2nd	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	DSI6	507000	2535	open	21.40	22.30	1.230	-	-	0.03	2.500	1.012	3.076
1st	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	55340	3560	open	21.60	22.70	1.288	62.9	1.006	-0.13	2.390	1	3.097
2nd	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	55340	3560	open	21.60	22.70	1.288	62.9	1.006	-0.13	2.330	1.026	3.020
1st	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	56640	3690	open	21.59	22.70	1.291	62.9	1.006	0.01	2.420	1	3.143
2nd	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	DSI6	56640	3690	open	21.59	22.70	1.291	62.9	1.006	0.02	2.400	1.008	3.118
1st	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	656000	3840	open	21.65	22.70	1.274	50	1.000	-0.08	2.350	1	2.993
2nd	FR1 n77_Part27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 2	DSI6	656000	3840	open	21.65	22.70	1.274	50	1.000	0.03	2.320	1.013	2.955
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Side	0mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.03	2.090	1	3.049
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Side	0mm	Ant 4+5(5)	Full power	11	2462	open	21.36	23.00	1.459	100	1.000	0.06	2.050	1.020	2.991

General Note:

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



### 16.6 TDD LTE and NR Linearity Data Analysis

**General Note:**

This device support Power Class 2 and Power Class 3 operations for LTE Band 41/5G NR n41/n77. 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 for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE Band 41(HPUE) Ant 0-Linearity Data for Head			LTE Band 41(HPUE) Ant 1-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.059	0.079	Reported 1g SAR (W/kg)	0.049	0.070
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	136.93	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.081		Linearity SAR (W/kg)	0.067	
% deviation from expected linearity		-1.90%	% deviation from expected linearity		4.67%
LTE Band 41(HPUE) Ant 0-Linearity Data for Body-worn-open			LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn-open		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00	Maximum Tune up Power (dBm)	23.60	25.20
Reported 1g SAR (W/kg)	0.550	0.780	Reported 1g SAR (W/kg)	1.246	1.244
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	136.93	Frame Averaged (mW)	145.01	143.38
Linearity SAR (W/kg)	0.751		Linearity SAR (W/kg)	1.232	
% deviation from expected linearity		3.91%	% deviation from expected linearity		0.98%
LTE Band 41(HPUE) Ant 0-Linearity Data for Hotspot-open			LTE Band 41(HPUE) Ant 1-Linearity Data for Hotspot-open		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00	Maximum Tune up Power (dBm)	23.60	25.20
Reported 1g SAR (W/kg)	0.800	1.044	Reported 1g SAR (W/kg)	1.246	1.243
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	136.93	Frame Averaged (mW)	145.01	143.38
Linearity SAR (W/kg)	1.092		Linearity SAR (W/kg)	1.232	
% deviation from expected linearity		-4.38%	% deviation from expected linearity		0.89%
LTE Band 41(HPUE) Ant 1-Linearity Data for Extremity					
	LTE Band 41 (Power Class 3)		LTE Band 41 (Power Class 2)		
Maximum Tune up Power (dBm)	24.00		27.00		
Reported 10g SAR (W/kg)	1.850		2.387		
Duty Cycle	63.30%		43.30%		
Frame Averaged (mW)	159.00		217.01		
Linearity SAR (W/kg)	2.525				
% deviation from expected linearity					-5.46%
LTE Band 41(HPUE) Ant 0-Linearity Data for Body-worn-Close			LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn-Close		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00	Maximum Tune up Power (dBm)	24.00	26.00
Reported 1g SAR (W/kg)	0.853	1.075	Reported 1g SAR (W/kg)	1.145	1.164
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	136.93	Frame Averaged (mW)	159.00	172.38
Linearity SAR (W/kg)	1.164		Linearity SAR (W/kg)	1.241	
% deviation from expected linearity		-7.66%	% deviation from expected linearity		-6.23%
LTE Band 41(HPUE) Ant 0-Linearity Data for Hotspot-Close			LTE Band 41(HPUE) Ant 1-Linearity Data for Hotspot-Close		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	24.10	Maximum Tune up Power (dBm)	23.40	25.00
Reported 1g SAR (W/kg)	0.861	0.883	Reported 1g SAR (W/kg)	0.997	1.007





Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	111.30	Frame Averaged (mW)	138.49	136.93
Linearity SAR (W/kg)	0.955		Linearity SAR (W/kg)	0.986	
% deviation from expected linearity		-7.56%	% deviation from expected linearity		2.15%

LTE Band 41(HPUE) Ant 2-Linearity Data for Head			LTE Band 41(HPUE) Ant 3-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	17.40	19.00	Maximum Tune up Power (dBm)	20.20	21.80
Reported 1g SAR (W/kg)	1.244	1.241	Reported 1g SAR (W/kg)	1.245	1.214
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	34.79	34.39	Frame Averaged (mW)	66.28	65.54
Linearity SAR (W/kg)	1.230		Linearity SAR (W/kg)	1.231	
% deviation from expected linearity		0.89%	% deviation from expected linearity		-1.38%
LTE Band 41(HPUE) Ant 2-Linearity Data for Body-worn-open			LTE Band 41(HPUE) Ant 3-Linearity Data for Body-worn-open		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.70	23.30	Maximum Tune up Power (dBm)	24.00	25.90
Reported 1g SAR (W/kg)	1.224	1.255	Reported 1g SAR (W/kg)	1.186	1.171
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	93.63	92.57	Frame Averaged (mW)	159.00	168.46
Linearity SAR (W/kg)	1.210		Linearity SAR (W/kg)	1.257	
% deviation from expected linearity		3.70%	% deviation from expected linearity		-6.81%
LTE Band 41(HPUE) Ant 2-Linearity Data for Hotspot-open			LTE Band 41(HPUE) Ant 3-Linearity Data for Hotspot-open		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.90	22.50	Maximum Tune up Power (dBm)	24.00	25.70
Reported 1g SAR (W/kg)	0.992	0.961	Reported 1g SAR (W/kg)	0.948	0.945
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	77.88	77.00	Frame Averaged (mW)	159.00	160.87
Linearity SAR (W/kg)	0.981		Linearity SAR (W/kg)	0.959	
% deviation from expected linearity		-2.02%	% deviation from expected linearity		-1.48%
LTE Band 41(HPUE) Ant 2-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 3-Linearity Data for Extremity		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.70	25.30	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	3.104	3.031	Reported 10g SAR (W/kg)	1.968	2.455
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	148.39	146.72	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	3.069		Linearity SAR (W/kg)	2.686	
% deviation from expected linearity		-1.24%	% deviation from expected linearity		-8.60%
LTE Band 41(HPUE) Ant 2-Linearity Data for Body-worn-Close			LTE Band 41(HPUE) Ant 3-Linearity Data for Body-worn-Close		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.60	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	1.216	1.213	Reported 1g SAR (W/kg)	0.849	1.069
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	124.88	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	1.202		Linearity SAR (W/kg)	1.159	
% deviation from expected linearity		0.89%	% deviation from expected linearity		-7.75%
LTE Band 41(HPUE) Ant 2-Linearity Data for Hotspot-Close			LTE Band 41(HPUE) Ant 3-Linearity Data for Hotspot-Close		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.90	21.50	Maximum Tune up Power (dBm)	23.90	25.50
Reported 1g SAR (W/kg)	0.987	0.978	Reported 1g SAR (W/kg)	0.860	0.924
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	61.86	61.16	Frame Averaged (mW)	155.38	153.63
Linearity SAR (W/kg)	0.976		Linearity SAR (W/kg)	0.850	
% deviation from expected linearity		0.22%	% deviation from expected linearity		8.66%



FR1 N41(HPUE) Ant 0-Linearity Data for Head			FR1 N41(HPUE) Ant 1-Linearity Data for Head		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.041	0.039	Reported 1g SAR (W/kg)	0.060	0.057
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.041		Linearity SAR (W/kg)	0.060	
% deviation from expected linearity		-4.65%	% deviation from expected linearity		-4.77%
FR1 N41(HPUE) Ant 0-Linearity Data for Body-worn-Open			FR1 N41(HPUE) Ant 1-Linearity Data for Body-worn-Open		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	21.70	24.70
Reported 1g SAR (W/kg)	1.092	1.017	Reported 1g SAR (W/kg)	1.253	1.194
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	147.91	147.56
Linearity SAR (W/kg)	1.089		Linearity SAR (W/kg)	1.250	
% deviation from expected linearity		-6.65%	% deviation from expected linearity		-4.48%
FR1 N41(HPUE) Ant 0-Linearity Data for Hotspot-Open			FR1 N41(HPUE) Ant 1-Linearity Data for Hotspot-Open		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	20.40	23.40	Maximum Tune up Power (dBm)	21.50	24.50
Reported 1g SAR (W/kg)	1.228	1.170	Reported 1g SAR (W/kg)	1.246	1.221
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	109.65	109.39	Frame Averaged (mW)	141.25	140.92
Linearity SAR (W/kg)	1.225		Linearity SAR (W/kg)	1.243	
% deviation from expected linearity		-4.50%	% deviation from expected linearity		-1.77%
FR1 N41(HPUE) Ant 0-Linearity Data for Extremity SAR			FR1 N41(HPUE) Ant 1-Linearity Data for Extremity SAR		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	23.90	26.90
Reported 10g SAR (W/kg)	3.112	3.055	Reported 10g SAR (W/kg)	3.077	2.955
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	245.47	244.89
Linearity SAR (W/kg)	3.105		Linearity SAR (W/kg)	3.070	
% deviation from expected linearity		-1.60%	% deviation from expected linearity		-3.74%
FR1 N41(HPUE) Ant 0-Linearity Data for Body-worn-Close			FR1 N41(HPUE) Ant 1-Linearity Data for Body-worn-Close		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	20.40	23.40	Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	1.232	1.218	Reported 1g SAR (W/kg)	1.234	1.232
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	109.65	109.39	Frame Averaged (mW)	158.49	158.11
Linearity SAR (W/kg)	1.229		Linearity SAR (W/kg)	1.231	
% deviation from expected linearity		-0.90%	% deviation from expected linearity		0.07%
FR1 N41(HPUE) Ant 0-Linearity Data for Hotspot-Close			FR1 N41(HPUE) Ant 1-Linearity Data for Hotspot-Close		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	19.40	22.40	Maximum Tune up Power (dBm)	21.60	24.60
Reported 1g SAR (W/kg)	0.964	0.939	Reported 1g SAR (W/kg)	0.975	0.962
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	87.10	86.89	Frame Averaged (mW)	144.54	144.20
Linearity SAR (W/kg)	0.962		Linearity SAR (W/kg)	0.973	
% deviation from expected linearity		-2.36%	% deviation from expected linearity		-1.10%



FR1 N41(HPUE) Ant 2-Linearity Data for Head			FR1 N41(HPUE) Ant 3-Linearity Data for Head		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	15.40	18.40	Maximum Tune up Power (dBm)	19.30	22.30
Reported 1g SAR (W/kg)	1.231	1.196	Reported 1g SAR (W/kg)	1.222	1.214
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	34.67	34.59	Frame Averaged (mW)	85.11	84.91
Linearity SAR (W/kg)	1.228		Linearity SAR (W/kg)	1.219	
% deviation from expected linearity		-2.61%	% deviation from expected linearity		-0.42%
FR1 N41(HPUE) Ant 2-Linearity Data for Body-worn-Open			FR1 N41(HPUE) Ant 3-Linearity Data for Body-worn-Open		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	19.20	22.20	Maximum Tune up Power (dBm)	23.40	26.40
Reported 1g SAR (W/kg)	1.239	1.168	Reported 1g SAR (W/kg)	1.257	1.193
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	83.18	82.98	Frame Averaged (mW)	218.78	218.26
Linearity SAR (W/kg)	1.236		Linearity SAR (W/kg)	1.254	
% deviation from expected linearity		-5.51%	% deviation from expected linearity		-4.87%
FR1 N41(HPUE) Ant 2-Linearity Data for Hotspot-Open			FR1 N41(HPUE) Ant 3-Linearity Data for Hotspot-Open		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	16.80	19.80	Maximum Tune up Power (dBm)	22.50	25.50
Reported 1g SAR (W/kg)	0.984	0.989	Reported 1g SAR (W/kg)	0.991	0.959
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	47.86	47.75	Frame Averaged (mW)	177.83	177.41
Linearity SAR (W/kg)	0.982		Linearity SAR (W/kg)	0.989	
% deviation from expected linearity		0.75%	% deviation from expected linearity		-3.00%
FR1 N41(HPUE) Ant 2-Linearity Data for Extremity SAR			FR1 N41(HPUE) Ant 3-Linearity Data for Extremity SAR		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	21.70	24.70	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	3.115	2.962	Reported 10g SAR (W/kg)	3.097	2.988
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	147.91	147.56	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	3.108		Linearity SAR (W/kg)	3.090	
% deviation from expected linearity		-4.69%	% deviation from expected linearity		-3.29%
FR1 N41(HPUE) Ant 2-Linearity Data for Body-worn-Close			FR1 N41(HPUE) Ant 3-Linearity Data for Body-worn-Close		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	20.30	23.30	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	1.235	1.167	Reported 1g SAR (W/kg)	1.248	1.229
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	107.15	106.90	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	1.232		Linearity SAR (W/kg)	1.245	
% deviation from expected linearity		-5.28%	% deviation from expected linearity		-1.29%
FR1 N41(HPUE) Ant 2-Linearity Data for Hotspot-Close			FR1 N41(HPUE) Ant 3-Linearity Data for Hotspot-Close		
	FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)		FR1 N41 (Power Class 3)	FR1 N41 (Power Class 2)
Maximum Tune up Power (dBm)	17.80	20.80	Maximum Tune up Power (dBm)	22.20	25.20
Reported 1g SAR (W/kg)	0.990	0.975	Reported 1g SAR (W/kg)	0.984	0.970
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	60.26	60.11	Frame Averaged (mW)	165.96	165.57
Linearity SAR (W/kg)	0.988		Linearity SAR (W/kg)	0.982	
% deviation from expected linearity		-1.28%	% deviation from expected linearity		-1.19%



FR1 N77(78)O(HPUE) Ant 0-Linearity Data for Head			FR1 N77(78)O(HPUE) Ant 1-Linearity Data for Head		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.047	0.045	Reported 1g SAR (W/kg)	0.057	0.055
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.047		Linearity SAR (W/kg)	0.057	
% deviation from expected linearity		-4.03%	% deviation from expected linearity		-3.28%
FR1 N77(78)O(HPUE) Ant 0-Linearity Data for Body-worn-Open			FR1 N77(78)O(HPUE) Ant 1-Linearity Data for Body-worn-Open		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.286	0.298	Reported 1g SAR (W/kg)	0.416	0.393
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.285		Linearity SAR (W/kg)	0.415	
% deviation from expected linearity		4.44%	% deviation from expected linearity		-5.30%
FR1 N77(78)O(HPUE) Ant 0-Linearity Data for Hotspot-Open			FR1 N77(78)O(HPUE) Ant 1-Linearity Data for Hotspot-Open		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.327	0.344	Reported 1g SAR (W/kg)	1.202	1.188
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.326		Linearity SAR (W/kg)	1.199	
% deviation from expected linearity		5.45%	% deviation from expected linearity		-0.93%

FR1 N77(78)O(HPUE) Ant 1-Linearity Data for Extremity SAR		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	2.204	2.155
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	2.199	
% deviation from expected linearity		-1.99%

FR1 N77(78)O(HPUE) Ant 0-Linearity Data for Body-worn-Close			FR1 N77(78)O(HPUE) Ant 1-Linearity Data for Body-worn-Close		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.269	0.268	Reported 1g SAR (W/kg)	0.406	0.395
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.268		Linearity SAR (W/kg)	0.405	
% deviation from expected linearity		-0.14%	% deviation from expected linearity		-2.48%
FR1 N77(78)O(HPUE) Ant 0-Linearity Data for Hotspot-Close			FR1 N77(78)O(HPUE) Ant 1-Linearity Data for Hotspot-Close		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	22.10	25.10
Reported 1g SAR (W/kg)	0.269	0.268	Reported 1g SAR (W/kg)	0.975	0.943
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	162.18	161.80
Linearity SAR (W/kg)	0.268		Linearity SAR (W/kg)	0.973	
% deviation from expected linearity		-0.14%	% deviation from expected linearity		-3.05%



FR1 N77(78)O(HPUE) Ant 2-Linearity Data for Head			FR1 N77(78)O(HPUE) Ant 3-Linearity Data for Head		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	15.90	18.90	Maximum Tune up Power (dBm)	15.10	18.10
Reported 1g SAR (W/kg)	1.220	1.211	Reported 1g SAR (W/kg)	1.216	1.231
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	38.90	38.81	Frame Averaged (mW)	32.36	32.28
Linearity SAR (W/kg)	1.217		Linearity SAR (W/kg)	1.213	
% deviation from expected linearity		-0.50%	% deviation from expected linearity		1.47%
FR1 N77(78)O(HPUE) Ant 2-Linearity Data for Body-worn-Open			FR1 N77(78)O(HPUE) Ant 3-Linearity Data for Body-worn-Open		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	19.70	22.70	Maximum Tune up Power (dBm)	19.80	22.80
Reported 1g SAR (W/kg)	1.253	1.231	Reported 1g SAR (W/kg)	1.254	1.243
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	93.33	93.10	Frame Averaged (mW)	95.50	95.27
Linearity SAR (W/kg)	1.250		Linearity SAR (W/kg)	1.251	
% deviation from expected linearity		-1.52%	% deviation from expected linearity		-0.64%
FR1 N77(78)O(HPUE) Ant 2-Linearity Data for Hotspot-Open			FR1 N77(78)O(HPUE) Ant 3-Linearity Data for Hotspot-Open		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	17.10	20.10	Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.992	0.944	Reported 1g SAR (W/kg)	0.965	0.973
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	51.29	51.16	Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.990		Linearity SAR (W/kg)	0.963	
% deviation from expected linearity		-4.61%	% deviation from expected linearity		1.07%
FR1 N77(78)O(HPUE) Ant 2-Linearity Data for Extremity SAR			FR1 N77(78)O(HPUE) Ant 3-Linearity Data for Extremity SAR		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	19.70	22.70	Maximum Tune up Power (dBm)	20.70	23.70
Reported 10g SAR (W/kg)	2.961	2.993	Reported 10g SAR (W/kg)	3.129	2.919
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	93.33	93.10	Frame Averaged (mW)	117.49	117.21
Linearity SAR (W/kg)	2.954		Linearity SAR (W/kg)	3.122	
% deviation from expected linearity		1.32%	% deviation from expected linearity		-6.49%
FR1 N77(78)O(HPUE) Ant 2-Linearity Data for Body-worn-Close			FR1 N77(78)O(HPUE) Ant 3-Linearity Data for Body-worn-Close		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	20.60	23.60	Maximum Tune up Power (dBm)	21.90	24.90
Reported 1g SAR (W/kg)	1.232	1.221	Reported 1g SAR (W/kg)	1.248	1.207
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	114.82	114.54	Frame Averaged (mW)	154.88	154.51
Linearity SAR (W/kg)	1.229		Linearity SAR (W/kg)	1.245	
% deviation from expected linearity		-0.66%	% deviation from expected linearity		-3.06%
FR1 N77(78)O(HPUE) Ant 2-Linearity Data for Hotspot-Close			FR1 N77(78)O(HPUE) Ant 3-Linearity Data for Hotspot-Close		
	FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)		FR1 N77(78) (Power Class 3)	FR1 N77(78) (Power Class 2)
Maximum Tune up Power (dBm)	18.00	21.00	Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.982	0.968	Reported 1g SAR (W/kg)	0.975	0.942
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95	Frame Averaged (mW)	44.67	44.56
Linearity SAR (W/kg)	0.980		Linearity SAR (W/kg)	0.973	
% deviation from expected linearity		-1.19%	% deviation from expected linearity		-3.16%



### 17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
6.	WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
7.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
11.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
12.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
13.	WWAN + WLAN2.4GHz+NFC				Yes
14.	WWAN + WLAN5GHz+NFC				Yes
15.	WWAN + WLAN6GHz+NFC				Yes
16.	WWAN + Bluetooth+NFC				Yes
17.	WLAN2.4GHz + WLAN5GHz+NFC				Yes
18.	WLAN2.4GHz + WLAN6GHz+NFC				Yes
19.	WLAN5GHz+ Bluetooth+NFC				Yes
20.	WLAN6GHz+ Bluetooth+NFC				Yes
21.	WWAN + WLAN2.4GHz + WLAN5GHz+NFC				Yes
22.	WWAN + WLAN2.4GHz + WLAN6GHz+NFC				Yes
23.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
24.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes

**General Note:**

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WLAN 6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- According to the EUT characteristic, two Bluetooth antennas cannot transmit simultaneously with each other.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- For standalone WWAN, always choose the highest SAR among all selected WWAN bands within all antennas for body-worn distance SAR each exposure position to perform simultaneous transmission analysis with WLAN/BT.

This is the worst co-located analysis and can represent each bands.

16. The maximum SAR summation is calculated based on the same configuration and test position.
17. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
18. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
  - ii)  $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$ , 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  $SPLSR \leq 0.04$  for 1g SAR and  $SPLSR \leq 0.10$  for 10g SAR, simultaneously transmission SAR measurement is not necessary.
  - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
  - v) The SPLSR calculated results please refer to section 17.6.
19. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis per KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has include TER analysis requirement according to KDB 987594.

**17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis**

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and  $A \leq 1.0$ ; B is normalized reported time-averaged exposure ratio from 5G NR (i.e. SAR exposure for 5G FR1), and  $B \leq 1.0$ .

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

If  $A + C \leq 1.0$  and  $B + C \leq 1.0$  can be proven, then “ $x\% * A + (100-x)\% * B + C \leq 1.0$ ”. Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Else, if  $A + C > 1.0$  and/or  $B + C > 1.0$ , then the followings need to hold true for compliance:

- i. A and C are decoupled based on the SPLSR criteria, and
- ii.  $(100-x)\% * B + C \leq 1.0$ , and
- iii.  $x\% * A + (100-x)\% * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to LTE inter-band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, So UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.



17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	1+6+8	1+6+9	1+8+11	1+9+11	2+5	2+10	1+4+7	1+4+12	1+3
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+5 DBS only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+5 WWAN+ DBS 1g SAR (W/kg)	WLAN 5GHz Ant 4+5 DBS only 1g SAR (W/kg)	WLAN 5GHz Ant 4+5 WWAN+ non DBS 1g SAR (W/kg)	WLAN 5GHz Ant 4+5 WWAN+ DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	WLAN 6GHz Ant 4+5 DBS only 1g SAR (W/kg)	WLAN 6GHz Ant 4+5 WWAN+ non DBS 1g SAR (W/kg)	WLAN 6GHz Ant 4+5 WWAN+ DBS 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850 Ant 0	Right Cheek	0.099	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.58	0.43	0.54	0.39	1.15	0.83	0.32	0.31	0.28
	Right Tilted	0.062	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.37	0.27	0.33	0.23	0.67	0.32	0.23	0.21	0.21
	Left Cheek	0.091	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.66	0.55	0.62	0.50	1.38	1.18	0.44	0.40	0.40
	Left Tilted	0.055	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.28	0.25	0.23	0.20	0.55	0.31	0.36	0.25	0.18
GSM850 Ant 1	Right Cheek	0.042	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.52	0.37	0.48	0.34	1.15	0.83	0.26	0.26	0.22
	Right Tilted	0.043	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.21	0.19	0.19
	Left Cheek	0.051	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.62	0.51	0.58	0.46	1.38	1.18	0.40	0.36	0.36
	Left Tilted	0.047	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.28	0.24	0.22	0.19	0.55	0.31	0.35	0.24	0.17
GSM1900 Ant 0	Right Cheek	0.056	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.53	0.39	0.50	0.35	1.15	0.83	0.28	0.27	0.23
	Right Tilted	0.046	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.31	0.21	0.67	0.32	0.21	0.19	0.19
	Left Cheek	0.050	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.62	0.51	0.57	0.46	1.38	1.18	0.40	0.36	0.36
	Left Tilted	0.039	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.22	0.18	0.55	0.31	0.34	0.23	0.16
GSM1900 Ant 1	Right Cheek	0.085	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.56	0.42	0.53	0.38	1.15	0.83	0.30	0.30	0.26
	Right Tilted	0.064	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.37	0.27	0.33	0.23	0.67	0.32	0.23	0.21	0.21
	Left Cheek	0.059	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.52	0.58	0.47	1.38	1.18	0.41	0.36	0.37
	Left Tilted	0.046	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.19	0.55	0.31	0.35	0.24	0.17
GSM1900 Ant 2	Right Cheek	0.995	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.47	1.33	1.44	1.29	1.15	0.83	1.21	1.21	1.17
	Right Tilted	0.995	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.30	1.20	1.26	1.16	0.67	0.32	1.16	1.14	1.14
	Left Cheek	0.325	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.90	0.79	0.85	0.74	1.38	1.18	0.68	0.63	0.64
	Left Tilted	0.340	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.57	0.53	0.52	0.48	0.55	0.31	0.64	0.54	0.46
GSM1900 Ant 3	Right Cheek	0.902	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.38	1.23	1.34	1.20	1.15	0.83	1.12	1.12	1.08
	Right Tilted	0.865	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.17	1.07	1.13	1.03	0.67	0.32	1.03	1.01	1.01
	Left Cheek	0.984	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.44	1.51	1.40	1.38	1.18	1.33	1.29	1.29
	Left Tilted	0.984	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.21	1.18	1.16	1.13	0.55	0.31	1.29	1.18	1.11
WCDMA V Ant 0	Right Cheek	0.148	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.62	0.48	0.59	0.44	1.15	0.83	0.37	0.36	0.33
	Right Tilted	0.084	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.39	0.29	0.35	0.25	0.67	0.32	0.25	0.23	0.23
	Left Cheek	0.115	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.69	0.58	0.64	0.53	1.38	1.18	0.47	0.42	0.43
	Left Tilted	0.073	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.30	0.27	0.25	0.22	0.55	0.31	0.38	0.27	0.20
WCDMA V Ant 1	Right Cheek	0.101	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.58	0.43	0.54	0.40	1.15	0.83	0.32	0.32	0.28
	Right Tilted	0.078	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.39	0.29	0.34	0.24	0.67	0.32	0.24	0.23	0.22
	Left Cheek	0.103	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.67	0.56	0.63	0.52	1.38	1.18	0.45	0.41	0.41
	Left Tilted	0.068	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.30	0.26	0.25	0.21	0.55	0.31	0.37	0.26	0.19
WCDMA IV Ant 0	Right Cheek	0.088	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.56	0.42	0.53	0.38	1.15	0.83	0.31	0.30	0.27
	Right Tilted	0.067	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.38	0.28	0.33	0.23	0.67	0.32	0.23	0.22	0.21
	Left Cheek	0.062	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.52	0.59	0.48	1.38	1.18	0.41	0.37	0.37
	Left Tilted	0.040	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.22	0.18	0.55	0.31	0.34	0.24	0.16
WCDMA IV Ant 1	Right Cheek	0.084	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.56	0.42	0.52	0.38	1.15	0.83	0.30	0.30	0.26
	Right Tilted	0.069	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.38	0.28	0.33	0.23	0.67	0.32	0.23	0.22	0.21
	Left Cheek	0.061	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.52	0.59	0.47	1.38	1.18	0.41	0.37	0.37
	Left Tilted	0.046	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.19	0.55	0.31	0.35	0.24	0.17
WCDMA IV Ant 2	Right Cheek	0.975	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.45	1.31	1.42	1.27	1.15	0.83	1.19	1.19	1.15
	Right Tilted	0.975	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.28	1.18	1.24	1.14	0.67	0.32	1.14	1.12	1.12
	Left Cheek	0.364	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.94	0.82	0.89	0.78	1.38	1.18	0.71	0.67	0.67
	Left Tilted	0.357	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.59	0.55	0.53	0.50	0.55	0.31	0.66	0.55	0.48
WCDMA IV Ant 3	Right Cheek	0.871	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.35	1.20	1.31	1.17	1.15	0.83	1.09	1.09	1.05
	Right Tilted	0.984	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.29	1.19	1.25	1.15	0.67	0.32	1.15	1.13	1.13
	Left Cheek	0.984	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.44	1.51	1.40	1.38	1.18	1.33	1.29	1.29
	Left Tilted	0.984	0.147	0.123	0.135</																	



**FCC SAR Test Report**

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	Left Cheek	0.309	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.88	0.77	0.83	0.72	1.38	1.18	0.66	0.61	0.62
	Left Tilted	0.346	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.57	0.54	0.52	0.49	0.55	0.31	0.65	0.54	0.47
WCDMA II Ant 3	Right Cheek	0.904	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.38	1.24	1.34	1.20	1.15	0.83	1.12	1.12	1.08
	Right Tilted	0.942	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.25	1.15	1.21	1.11	0.67	0.32	1.11	1.09	1.09
	Left Cheek	0.982	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.55	1.44	1.51	1.40	1.38	1.18	1.33	1.29	1.29
	Left Tilted	0.982	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.21	1.18	1.16	1.12	0.55	0.31	1.29	1.18	1.11
LTE Band 12 Ant 0	Right Cheek	0.209	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.69	0.54	0.65	0.50	1.15	0.83	0.43	0.42	0.39
	Right Tilted	0.132	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.44	0.34	0.40	0.30	0.67	0.32	0.30	0.28	0.28
	Left Cheek	0.164	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.74	0.62	0.69	0.58	1.38	1.18	0.51	0.47	0.47
	Left Tilted	0.101	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.33	0.29	0.28	0.24	0.55	0.31	0.40	0.30	0.22
LTE Band 12 Ant 1	Right Cheek	0.093	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.57	0.42	0.53	0.39	1.15	0.83	0.31	0.31	0.27
	Right Tilted	0.062	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.37	0.27	0.33	0.23	0.67	0.32	0.23	0.21	0.21
	Left Cheek	0.092	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.66	0.55	0.62	0.51	1.38	1.18	0.44	0.40	0.40
	Left Tilted	0.045	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.19	0.55	0.31	0.35	0.24	0.17
LTE Band 13 Ant 0	Right Cheek	0.215	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.69	0.55	0.66	0.51	1.15	0.83	0.43	0.43	0.39
	Right Tilted	0.131	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.44	0.34	0.40	0.30	0.67	0.32	0.29	0.28	0.27
	Left Cheek	0.169	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.74	0.63	0.69	0.58	1.38	1.18	0.52	0.47	0.48
	Left Tilted	0.112	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.34	0.31	0.29	0.25	0.55	0.31	0.42	0.31	0.24
LTE Band 13 Ant 1	Right Cheek	0.096	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.57	0.43	0.54	0.39	1.15	0.83	0.32	0.31	0.27
	Right Tilted	0.044	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.21	0.19	0.19
	Left Cheek	0.084	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.66	0.54	0.61	0.50	1.38	1.18	0.43	0.39	0.39
	Left Tilted	0.075	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.30	0.27	0.25	0.22	0.55	0.31	0.38	0.27	0.20
LTE Band 26 Ant 0	Right Cheek	0.182	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.66	0.51	0.62	0.48	1.15	0.83	0.40	0.40	0.36
	Right Tilted	0.106	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.42	0.32	0.37	0.27	0.67	0.32	0.27	0.25	0.25
	Left Cheek	0.145	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.72	0.61	0.67	0.56	1.38	1.18	0.50	0.45	0.46
	Left Tilted	0.092	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.32	0.29	0.27	0.23	0.55	0.31	0.40	0.29	0.22
LTE Band 26 Ant 1	Right Cheek	0.087	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.56	0.42	0.53	0.38	1.15	0.83	0.31	0.30	0.26
	Right Tilted	0.076	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.39	0.29	0.34	0.24	0.67	0.32	0.24	0.22	0.22
	Left Cheek	0.092	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.66	0.55	0.62	0.51	1.38	1.18	0.44	0.40	0.40
	Left Tilted	0.057	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.29	0.25	0.23	0.20	0.55	0.31	0.36	0.25	0.18
LTE Band 66 Ant 0	Right Cheek	0.092	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.57	0.42	0.53	0.39	1.15	0.83	0.31	0.31	0.27
	Right Tilted	0.057	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.37	0.27	0.32	0.22	0.67	0.32	0.22	0.21	0.20
	Left Cheek	0.053	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.62	0.51	0.58	0.47	1.38	1.18	0.40	0.36	0.36
	Left Tilted	0.030	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.26	0.22	0.21	0.17	0.55	0.31	0.33	0.23	0.15
LTE Band 66 Ant 1	Right Cheek	0.055	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.53	0.39	0.50	0.35	1.15	0.83	0.27	0.27	0.23
	Right Tilted	0.050	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.32	0.22	0.67	0.32	0.21	0.20	0.19
	Left Cheek	0.045	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.62	0.51	0.57	0.46	1.38	1.18	0.40	0.35	0.36
	Left Tilted	0.029	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.26	0.22	0.21	0.17	0.55	0.31	0.33	0.22	0.15
LTE Band 66 Ant 2	Right Cheek	0.989	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.47	1.32	1.43	1.28	1.15	0.83	1.21	1.20	1.17
	Right Tilted	0.989	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.30	1.20	1.25	1.15	0.67	0.32	1.15	1.14	1.13
	Left Cheek	0.303	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.87	0.76	0.83	0.72	1.38	1.18	0.65	0.61	0.61
	Left Tilted	0.296	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.52	0.49	0.47	0.44	0.55	0.31	0.60	0.49	0.42
LTE Band 66 Ant 3	Right Cheek	0.984	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.46	1.32	1.42	1.28	1.15	0.83	1.20	1.20	1.16
	Right Tilted	0.972	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.28	1.18	1.24	1.14	0.67	0.32	1.14	1.12	1.12
	Left Cheek	0.984	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.44	1.51	1.40	1.38	1.18	1.33	1.29	1.29
	Left Tilted	0.984	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.21	1.18	1.16	1.13	0.55	0.31	1.29	1.18	1.11
LTE Band 25 Ant 2	Right Cheek	0.985	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.46	1.32	1.43	1.28	1.15	0.83	1.20	1.20	1.16
	Right Tilted	0.985	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.29	1.19	1.25	1.15	0.67	0.32	1.15	1.13	1.13
	Left Cheek	0.299	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.87	0.76	0.82	0.71	1.38	1.18	0.65	0.60	0.61
	Left Tilted	0.346	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.57	0.54	0.52	0.49	0.55	0.31	0.65		



WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	1+6+8	1+6+9	1+8+11	1+9+11	2+5	2+10	1+4+7	1+4+12	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+non DBS	WLAN 2.4GHz Ant 4+5 WWAN+DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+non DBS	WLAN 5GHz Ant 4+5 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN 6GHz Ant 4+5 DBS only	WLAN 6GHz Ant 4+5 WWAN+non DBS	WLAN 6GHz Ant 4+5 WWAN+DBS	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 1	Right Cheek	0.052	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.53	0.38	0.49	0.35	1.15	0.83	0.27	0.27	0.23	
	Right Tilted	0.042	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.21	0.19	0.19	
	Left Cheek	0.067	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.64	0.53	0.59	0.48	1.38	1.18	0.42	0.37	0.38	
	Left Tilted	0.042	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.18	0.55	0.31	0.35	0.24	0.17	
LTE Band 7 Ant 2	Right Cheek	0.990	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.47	1.32	1.43	1.29	1.15	0.83	1.21	1.21	1.17	
	Right Tilted	0.990	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.30	1.20	1.26	1.16	0.67	0.32	1.15	1.14	1.13	
	Left Cheek	0.371	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.94	0.83	0.90	0.78	1.38	1.18	0.72	0.68	0.68	
	Left Tilted	0.425	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.65	0.62	0.60	0.57	0.55	0.31	0.73	0.62	0.55	
LTE Band 7 Ant 3	Right Cheek	0.637	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.11	0.97	1.08	0.93	1.15	0.83	0.86	0.85	0.81	
	Right Tilted	0.405	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.71	0.61	0.67	0.57	0.67	0.32	0.57	0.55	0.55	
	Left Cheek	0.992	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.45	1.52	1.41	1.38	1.18	1.34	1.30	1.30	
	Left Tilted	0.855	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.08	1.05	1.03	1.00	0.55	0.31	1.16	1.05	0.98	
LTE Band 41 Ant 0	Right Cheek	0.059	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.54	0.39	0.50	0.35	1.15	0.83	0.28	0.27	0.24	
	Right Tilted	0.044	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.21	0.19	0.19	
	Left Cheek	0.033	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.60	0.49	0.56	0.45	1.38	1.18	0.38	0.34	0.34	
	Left Tilted	0.027	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.26	0.22	0.20	0.17	0.55	0.31	0.33	0.22	0.15	
LTE Band 41 Ant 1	Right Cheek	0.046	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.52	0.38	0.49	0.34	1.15	0.83	0.27	0.26	0.22	
	Right Tilted	0.041	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.20	0.19	0.18	
	Left Cheek	0.049	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.62	0.51	0.57	0.46	1.38	1.18	0.40	0.35	0.36	
	Left Tilted	0.042	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.18	0.55	0.31	0.35	0.24	0.17	
LTE Band 41 Ant 2	Right Cheek	0.985	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.46	1.32	1.43	1.28	1.15	0.83	1.20	1.20	1.16	
	Right Tilted	0.985	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.29	1.19	1.25	1.15	0.67	0.32	1.15	1.13	1.13	
	Left Cheek	0.327	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.90	0.79	0.85	0.74	1.38	1.18	0.68	0.63	0.64	
	Left Tilted	0.371	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.60	0.56	0.55	0.51	0.55	0.31	0.67	0.57	0.49	
LTE Band 41 Ant 3	Right Cheek	0.474	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.95	0.81	0.91	0.77	1.15	0.83	0.69	0.69	0.65	
	Right Tilted	0.378	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.69	0.59	0.64	0.54	0.67	0.32	0.54	0.53	0.52	
	Left Cheek	0.984	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.44	1.51	1.40	1.38	1.18	1.33	1.29	1.29	
	Left Tilted	0.802	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.03	1.00	0.98	0.94	0.55	0.31	1.11	1.00	0.93	
LTE Band 42 Part27 Q Ant 0	Right Cheek	0.071	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.55	0.40	0.51	0.37	1.15	0.83	0.29	0.29	0.25	
	Right Tilted	0.056	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.37	0.27	0.32	0.22	0.67	0.32	0.22	0.20	0.20	
	Left Cheek	0.043	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.61	0.50	0.57	0.46	1.38	1.18	0.39	0.35	0.35	
	Left Tilted	0.035	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.26	0.23	0.21	0.18	0.55	0.31	0.34	0.23	0.16	
LTE Band 42 Part27 Q Ant 1	Right Cheek	0.057	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.53	0.39	0.50	0.35	1.15	0.83	0.28	0.27	0.23	
	Right Tilted	0.035	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.34	0.24	0.30	0.20	0.67	0.32	0.20	0.18	0.18	
	Left Cheek	0.054	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.51	0.58	0.47	1.38	1.18	0.40	0.36	0.36	
	Left Tilted	0.039	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.22	0.18	0.55	0.31	0.34	0.23	0.16	
LTE Band 42 Part27 Q Ant 2	Right Cheek	0.989	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.47	1.32	1.43	1.28	1.15	0.83	1.21	1.20	1.17	
	Right Tilted	0.989	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.30	1.20	1.25	1.15	0.67	0.32	1.15	1.14	1.13	
	Left Cheek	0.509	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.08	0.97	1.03	0.92	1.38	1.18	0.86	0.81	0.82	
	Left Tilted	0.664	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.89	0.86	0.84	0.81	0.55	0.31	0.97	0.86	0.79	
LTE Band 42 Part27 Q Ant 3	Right Cheek	0.303	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.78	0.63	0.74	0.60	1.15	0.83	0.52	0.52	0.48	
	Right Tilted	0.388	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.70	0.60	0.65	0.55	0.67	0.32	0.55	0.54	0.53	
	Left Cheek	0.956	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.53	1.42	1.48	1.37	1.38	1.18	1.31	1.26	1.27	
	Left Tilted	0.989	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.22	1.18	1.17	1.13	0.55	0.31	1.29	1.18	1.11	
LTE Band 48 Ant 0	Right Cheek	0.066	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.54	0.40	0.51	0.36	1.15	0.83	0.29	0.28	0.24	
	Right Tilted	0.049	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.31	0.21	0.67	0.32	0.21	0.20	0.19	
	Left Cheek	0.035	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.61	0.50	0.56	0.45	1.38	1.18	0.39			





**FCC SAR Test Report**

Report No. : FA2D0913-01

Band 48 Ant 1	Right Tilted	0.037	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.30	0.20	0.67	0.32	0.20	0.19	0.18
	Left Cheek	0.039	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.61	0.50	0.56	0.45	1.38	1.18	0.39	0.34	0.35
	Left Tilted	0.040	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.22	0.18	0.55	0.31	0.34	0.24	0.16
LTE Band 48 Ant 2	Right Cheek	0.983	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.46	1.31	1.42	1.28	1.15	0.83	1.20	1.20	1.16
	Right Tilted	0.983	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.29	1.19	1.25	1.15	0.67	0.32	1.15	1.13	1.13
	Left Cheek	0.395	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.97	0.86	0.92	0.81	1.38	1.18	0.75	0.70	0.71
LTE Band 48 Ant 3	Left Tilted	0.569	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.80	0.76	0.75	0.71	0.55	0.31	0.87	0.76	0.69
	Right Cheek	0.331	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.81	0.66	0.77	0.63	1.15	0.83	0.55	0.55	0.51
	Right Tilted	0.393	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.70	0.60	0.66	0.56	0.67	0.32	0.56	0.54	0.54
LTE Band 48 Ant 3	Left Cheek	0.987	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.45	1.51	1.40	1.38	1.18	1.34	1.29	1.30
	Left Tilted	0.987	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.22	1.18	1.16	1.13	0.55	0.31	1.29	1.18	1.11

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	1+6+8	1+6+9	1+8+11	1+9+11	2+5	2+10	1+4+7	1+4+12	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS	WLAN 2.4GHz Ant 4+5 WWAN+ DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+ non DBS	WLAN 5GHz Ant 4+5 WWAN+ DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN 6GHz Ant 4+5 DBS only	WLAN 6GHz Ant 4+5 WWAN+ non DBS	WLAN 6GHz Ant 4+5 WWAN+ DBS	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n5 Ant 0	Right Cheek	0.077	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.55	0.41	0.52	0.37	1.15	0.83	0.30	0.29	0.25	
	Right Tilted	0.053	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.32	0.22	0.67	0.32	0.22	0.20	0.20	
	Left Cheek	0.068	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.64	0.53	0.59	0.48	1.38	1.18	0.42	0.37	0.38	
	Left Tilted	0.052	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.28	0.25	0.23	0.19	0.55	0.31	0.36	0.25	0.18	
FR1 n5 Ant 1	Right Cheek	0.067	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.54	0.40	0.51	0.36	1.15	0.83	0.29	0.28	0.24	
	Right Tilted	0.043	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.21	0.19	0.19	
	Left Cheek	0.072	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.64	0.53	0.60	0.49	1.38	1.18	0.42	0.38	0.38	
	Left Tilted	0.045	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.19	0.55	0.31	0.35	0.24	0.17	
FR1 n66 Ant 0	Right Cheek	0.058	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.53	0.39	0.50	0.35	1.15	0.83	0.28	0.27	0.24	
	Right Tilted	0.049	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.31	0.21	0.67	0.32	0.21	0.20	0.19	
	Left Cheek	0.035	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.61	0.50	0.56	0.45	1.38	1.18	0.39	0.34	0.35	
	Left Tilted	0.034	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.26	0.23	0.21	0.18	0.55	0.31	0.34	0.23	0.16	
FR1 n66 Ant 1	Right Cheek	0.062	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.54	0.39	0.50	0.36	1.15	0.83	0.28	0.28	0.24	
	Right Tilted	0.046	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.31	0.21	0.67	0.32	0.21	0.19	0.19	
	Left Cheek	0.031	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.60	0.49	0.56	0.44	1.38	1.18	0.38	0.34	0.34	
	Left Tilted	0.028	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.26	0.22	0.21	0.17	0.55	0.31	0.33	0.22	0.15	
FR1 n66 Ant 2	Right Cheek	0.985	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.46	1.32	1.43	1.28	1.15	0.83	1.20	1.20	1.16	
	Right Tilted	0.985	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.29	1.19	1.25	1.15	0.67	0.32	1.15	1.13	1.13	
	Left Cheek	0.441	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.01	0.90	0.97	0.85	1.38	1.18	0.79	0.75	0.75	
	Left Tilted	0.417	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.65	0.61	0.59	0.56	0.55	0.31	0.72	0.61	0.54	
FR1 n66 Ant 3	Right Cheek	0.911	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.39	1.24	1.35	1.21	1.15	0.83	1.13	1.13	1.09	
	Right Tilted	0.988	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.30	1.20	1.25	1.15	0.67	0.32	1.15	1.14	1.13	
	Left Cheek	0.988	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.45	1.51	1.40	1.38	1.18	1.34	1.29	1.30	
	Left Tilted	0.988	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.22	1.18	1.17	1.13	0.55	0.31	1.29	1.18	1.11	
FR1 n7 Ant 0	Right Cheek	0.054	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.53	0.39	0.49	0.35	1.15	0.83	0.27	0.27	0.23	
	Right Tilted	0.046	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.36	0.26	0.31	0.21	0.67	0.32	0.21	0.19	0.19	
	Left Cheek	0.040	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.61	0.50	0.56	0.45	1.38	1.18	0.39	0.35	0.35	
	Left Tilted	0.037	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.21	0.18	0.55	0.31	0.34	0.23	0.16	
FR1 n7 Ant 1	Right Cheek	0.038	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.51	0.37	0.48	0.33	1.15	0.83	0.26	0.25	0.22	
	Right Tilted	0.039	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.30	0.20	0.67	0.32	0.20	0.19	0.18	
	Left Cheek	0.056	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.52	0.58	0.47	1.38	1.18	0.41	0.36	0.37	
	Left Tilted	0.043	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.24	0.22	0.19	0.55	0.31	0.35	0.24	0.17	
FR1 n7 Ant 2	Right Cheek	0.982	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.46	1.31	1.42	1.28	1.15	0.83	1.20	1.20	1.16	
	Right Tilted	0.982	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.29	1.19	1.25	1.15	0.67	0.32	1.15	1.13	1.13	
	Left Cheek	0.489	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.06	0.95	1.01	0.90	1.38	1.18	0.84	0.79	0.80	



	Left Tilted	0.551	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.78	0.74	0.73	0.69	0.55	0.31	0.85	0.75	0.67
FR1 n7 Ant 3	Right Cheek	0.555	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.03	0.89	1.00	0.85	1.15	0.83	0.77	0.77	0.73
	Right Tilted	0.652	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.96	0.86	0.92	0.82	0.67	0.32	0.82	0.80	0.80
	Left Cheek	0.974	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.55	1.43	1.50	1.39	1.38	1.18	1.32	1.28	1.28
	Left Tilted	0.883	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.11	1.08	1.06	1.03	0.55	0.31	1.19	1.08	1.01
FR1 n41 Ant 0	Right Cheek	0.041	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.52	0.37	0.48	0.34	1.15	0.83	0.26	0.26	0.22
	Right Tilted	0.034	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.34	0.24	0.30	0.20	0.67	0.32	0.20	0.18	0.18
	Left Cheek	0.029	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.60	0.49	0.55	0.44	1.38	1.18	0.38	0.33	0.34
	Left Tilted	0.038	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.22	0.18	0.55	0.31	0.34	0.23	0.16
FR1 n41 Ant 1	Right Cheek	0.027	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.50	0.36	0.47	0.32	1.15	0.83	0.25	0.24	0.20
	Right Tilted	0.024	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.33	0.23	0.29	0.19	0.67	0.32	0.19	0.17	0.17
	Left Cheek	0.060	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.52	0.58	0.47	1.38	1.18	0.41	0.37	0.37
	Left Tilted	0.050	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.28	0.24	0.23	0.19	0.55	0.31	0.35	0.25	0.17
FR1 n41 Ant 2	Right Cheek	0.991	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.47	1.32	1.43	1.29	1.15	0.83	1.21	1.21	1.17
	Right Tilted	0.991	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.30	1.20	1.26	1.16	0.67	0.32	1.15	1.14	1.13
	Left Cheek	0.468	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.04	0.93	0.99	0.88	1.38	1.18	0.82	0.77	0.78
	Left Tilted	0.507	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.74	0.70	0.68	0.65	0.55	0.31	0.81	0.70	0.63
FR1 n41 Ant 3	Right Cheek	0.513	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.99	0.84	0.95	0.81	1.15	0.83	0.73	0.73	0.69
	Right Tilted	0.422	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.73	0.63	0.69	0.59	0.67	0.32	0.59	0.57	0.57
	Left Cheek	0.984	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.56	1.44	1.51	1.40	1.38	1.18	1.33	1.29	1.29
	Left Tilted	0.906	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.13	1.10	1.08	1.05	0.55	0.31	1.21	1.10	1.03
FR1 n77_Part270 Ant 0	Right Cheek	0.023	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.50	0.35	0.46	0.32	1.15	0.83	0.24	0.24	0.20
	Right Tilted	0.017	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.33	0.23	0.28	0.18	0.67	0.32	0.18	0.17	0.16
	Left Cheek	0.047	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.62	0.51	0.57	0.46	1.38	1.18	0.40	0.35	0.36
	Left Tilted	0.040	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.27	0.23	0.22	0.18	0.55	0.31	0.34	0.24	0.16
FR1 n77_Part270 Ant 1	Right Cheek	0.044	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.52	0.38	0.48	0.34	1.15	0.83	0.26	0.26	0.22
	Right Tilted	0.041	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.35	0.25	0.31	0.21	0.67	0.32	0.20	0.19	0.18
	Left Cheek	0.057	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	0.63	0.52	0.58	0.47	1.38	1.18	0.41	0.36	0.37
	Left Tilted	0.048	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.28	0.24	0.23	0.19	0.55	0.31	0.35	0.24	0.17
FR1 n77_Part270 Ant 2	Right Cheek	1.090	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	1.57	1.42	1.53	1.39	1.15	0.83	1.31	1.31	1.27
	Right Tilted	1.090	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	1.40	1.30	1.36	1.26	0.67	0.32	1.25	1.24	1.23
	Left Cheek	0.569	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.14	1.03	1.09	0.98	1.38	1.18	0.92	0.87	0.88
	Left Tilted	0.755	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	0.98	0.95	0.93	0.90	0.55	0.31	1.06	0.95	0.88
FR1 n77_Part270 Ant 3	Right Cheek	0.315	0.525	0.177	0.101	0.627	0.296	0.118	0.180	0.035	0.301	0.260	0.114	0.79	0.65	0.76	0.61	1.15	0.83	0.53	0.53	0.49
	Right Tilted	0.378	0.138	0.143	0.078	0.528	0.202	0.085	0.107	0.007	0.183	0.158	0.070	0.69	0.59	0.64	0.54	0.67	0.32	0.54	0.53	0.52
	Left Cheek	0.876	0.619	0.310	0.155	0.762	0.385	0.195	0.186	0.075	0.557	0.338	0.150	1.45	1.34	1.40	1.29	1.38	1.18	1.23	1.18	1.19
	Left Tilted	0.976	0.147	0.123	0.135	0.402	0.189	0.168	0.039	0.004	0.159	0.138	0.060	1.20	1.17	1.15	1.12	0.55	0.31	1.28	1.17	1.10

17.3 Hotspot Exposure Conditions

<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 4+5 WWAN+non DBS	WLAN2.4GHz Ant 4+5 WWAN+DBS	WLAN5GHz Ant 4+5 WWAN+non DBS	WLAN5GHz Ant 4+5 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.458	0.128	0.033	0.260	0.118	0.082	0.057	0.59	0.80	0.78	0.61
	Back	0.775	0.105	0.023	0.165	0.075	0.076	0.030	0.88	1.02	0.97	0.87
	Left side	0.066	0.235	0.142	0.296	0.135	0.173	0.036	0.30	0.54	0.40	0.34
	Right side	0.231	0.218	0.122	0.380	0.174	0.072	0.111	0.45	0.68	0.72	0.53
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.447							0.45	0.45	0.45	0.45
GSM850 Ant 1	Front	0.403	0.128	0.033	0.260	0.118	0.082	0.057	0.53	0.75	0.72	0.55
	Back	0.736	0.105	0.023	0.165	0.075	0.076	0.030	0.84	0.98	0.93	0.83
	Left side	0.186	0.235	0.142	0.296	0.135	0.173	0.036	0.42	0.66	0.52	0.46
	Right side	0.068	0.218	0.122	0.380	0.174	0.072	0.111	0.29	0.52	0.56	0.36
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.599							0.60	0.60	0.60	0.60
GSM1900 Ant 0	Front	0.402	0.128	0.033	0.260	0.118	0.082	0.057	0.53	0.74	0.72	0.55
	Back	0.594	0.105	0.023	0.165	0.075	0.076	0.030	0.70	0.84	0.79	0.69
	Left side	0.057	0.235	0.142	0.296	0.135	0.173	0.036	0.29	0.53	0.39	0.33
	Right side	0.197	0.218	0.122	0.380	0.174	0.072	0.111	0.42	0.65	0.69	0.49
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.575							0.58	0.58	0.58	0.58
GSM1900 Ant 1	Front	0.449	0.128	0.033	0.260	0.118	0.082	0.057	0.58	0.79	0.77	0.60
	Back	1.077	0.105	0.023	0.165	0.075	0.076	0.030	1.18	1.32	1.27	1.18
	Left side	0.243	0.235	0.142	0.296	0.135	0.173	0.036	0.48	0.71	0.58	0.52
	Right side	0.056	0.218	0.122	0.380	0.174	0.072	0.111	0.27	0.51	0.55	0.35
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.692							0.69	0.69	0.69	0.69
GSM1900 Ant 2	Front	0.595	0.128	0.033	0.260	0.118	0.082	0.057	0.72	0.94	0.91	0.75
	Back	0.643	0.105	0.023	0.165	0.075	0.076	0.030	0.75	0.88	0.84	0.74
	Left side	0.156	0.235	0.142	0.296	0.135	0.173	0.036	0.39	0.63	0.49	0.43
	Right side	0.390	0.218	0.122	0.380	0.174	0.072	0.111	0.61	0.84	0.88	0.69
	Top side	0.920	0.035	0.014	0.099	0.045	0.018	0.008	0.96	1.04	1.03	0.98
	Bottom side											
GSM1900 Ant 3	Front	0.591	0.128	0.033	0.260	0.118	0.082	0.057	0.72	0.93	0.91	0.74
	Back	0.785	0.105	0.023	0.165	0.075	0.076	0.030	0.89	1.03	0.98	0.88
	Left side	0.150	0.235	0.142	0.296	0.135	0.173	0.036	0.39	0.62	0.48	0.43
	Right side	0.555	0.218	0.122	0.380	0.174	0.072	0.111	0.77	1.01	1.05	0.85
	Top side	1.003	0.035	0.014	0.099	0.045	0.018	0.008	1.04	1.12	1.11	1.06
	Bottom side											
WCDMA V Ant 0	Front	0.419	0.128	0.033	0.260	0.118	0.082	0.057	0.55	0.76	0.74	0.57
	Back	0.619	0.105	0.023	0.165	0.075	0.076	0.030	0.72	0.86	0.81	0.72
	Left side	0.060	0.235	0.142	0.296	0.135	0.173	0.036	0.30	0.53	0.39	0.34
	Right side	0.236	0.218	0.122	0.380	0.174	0.072	0.111	0.45	0.69	0.73	0.53
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.481							0.48	0.48	0.48	0.48
WCDMA V Ant 1	Front	0.426	0.128	0.033	0.260	0.118	0.082	0.057	0.55	0.77	0.74	0.58
	Back	0.668	0.105	0.023	0.165	0.075	0.076	0.030	0.77	0.91	0.86	0.77
	Left side	0.215	0.235	0.142	0.296	0.135	0.173	0.036	0.45	0.68	0.55	0.49
	Right side	0.089	0.218	0.122	0.380	0.174	0.072	0.111	0.31	0.54	0.58	0.39
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.440							0.44	0.44	0.44	0.44
WCDMA IV Ant 0	Front	0.778	0.128	0.033	0.260	0.118	0.082	0.057	0.91	1.12	1.10	0.93
	Back	1.194	0.105	0.023	0.165	0.075	0.076	0.030	1.30	1.44	1.39	1.29



	Left side	0.041	0.235	0.142	0.296	0.135	0.173	0.036	0.28	0.51	0.37	0.32
	Right side	0.342	0.218	0.122	0.380	0.174	0.072	0.111	0.56	0.79	0.83	0.64
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.232							1.23	1.23	1.23	1.23
WCDMA IV Ant 1	Front	0.798	0.128	0.033	0.260	0.118	0.082	0.057	0.93	1.14	1.12	0.95
	Back	1.236	0.105	0.023	0.165	0.075	0.076	0.030	1.34	1.48	1.43	1.33
	Left side	0.426	0.235	0.142	0.296	0.135	0.173	0.036	0.66	0.90	0.76	0.70
	Right side	0.084	0.218	0.122	0.380	0.174	0.072	0.111	0.30	0.54	0.58	0.38
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.031							1.03	1.03	1.03	1.03
WCDMA IV Ant 2	Front	0.722	0.128	0.033	0.260	0.118	0.082	0.057	0.85	1.06	1.04	0.87
	Back	0.763	0.105	0.023	0.165	0.075	0.076	0.030	0.87	1.00	0.96	0.86
	Left side	0.652	0.235	0.142	0.296	0.135	0.173	0.036	0.89	1.12	0.98	0.93
	Right side	0.291	0.218	0.122	0.380	0.174	0.072	0.111	0.51	0.74	0.78	0.59
	Top side	0.872	0.035	0.014	0.099	0.045	0.018	0.008	0.91	0.99	0.98	0.93
	Bottom side											
WCDMA IV Ant 3	Front	0.457	0.128	0.033	0.260	0.118	0.082	0.057	0.59	0.80	0.77	0.61
	Back	0.671	0.105	0.023	0.165	0.075	0.076	0.030	0.78	0.91	0.87	0.77
	Left side	0.146	0.235	0.142	0.296	0.135	0.173	0.036	0.38	0.62	0.48	0.42
	Right side	0.374	0.218	0.122	0.380	0.174	0.072	0.111	0.59	0.83	0.87	0.67
	Top side	0.982	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.04
	Bottom side											
WCDMA II Ant 2	Front	0.635	0.128	0.033	0.260	0.118	0.082	0.057	0.76	0.98	0.95	0.79
	Back	0.821	0.105	0.023	0.165	0.075	0.076	0.030	0.93	1.06	1.02	0.92
	Left side	0.514	0.235	0.142	0.296	0.135	0.173	0.036	0.75	0.98	0.85	0.79
	Right side	0.034	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.49	0.53	0.33
	Top side	0.981	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.04
	Bottom side											
WCDMA II Ant 3	Front	0.469	0.128	0.033	0.260	0.118	0.082	0.057	0.60	0.81	0.79	0.62
	Back	0.798	0.105	0.023	0.165	0.075	0.076	0.030	0.90	1.04	0.99	0.90
	Left side	0.138	0.235	0.142	0.296	0.135	0.173	0.036	0.37	0.61	0.47	0.42
	Right side	0.456	0.218	0.122	0.380	0.174	0.072	0.111	0.67	0.91	0.95	0.75
	Top side	0.978	0.035	0.014	0.099	0.045	0.018	0.008	1.01	1.10	1.09	1.04
	Bottom side											
LTE Band 12 Ant 0	Front	0.443	0.128	0.033	0.260	0.118	0.082	0.057	0.57	0.79	0.76	0.59
	Back	0.674	0.105	0.023	0.165	0.075	0.076	0.030	0.78	0.92	0.87	0.77
	Left side	0.124	0.235	0.142	0.296	0.135	0.173	0.036	0.36	0.59	0.46	0.40
	Right side	0.443	0.218	0.122	0.380	0.174	0.072	0.111	0.66	0.90	0.93	0.74
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.577							0.58	0.58	0.58	0.58
LTE Band 12 Ant 1	Front	0.310	0.128	0.033	0.260	0.118	0.082	0.057	0.44	0.65	0.63	0.46
	Back	0.540	0.105	0.023	0.165	0.075	0.076	0.030	0.65	0.78	0.74	0.64
	Left side	0.192	0.235	0.142	0.296	0.135	0.173	0.036	0.43	0.66	0.52	0.47
	Right side	0.061	0.218	0.122	0.380	0.174	0.072	0.111	0.28	0.51	0.55	0.36
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.502							0.50	0.50	0.50	0.50
LTE Band 13 Ant 0	Front	0.331	0.128	0.033	0.260	0.118	0.082	0.057	0.46	0.67	0.65	0.48
	Back	0.528	0.105	0.023	0.165	0.075	0.076	0.030	0.63	0.77	0.72	0.63
	Left side	0.076	0.235	0.142	0.296	0.135	0.173	0.036	0.31	0.55	0.41	0.35
	Right side	0.274	0.218	0.122	0.380	0.174	0.072	0.111	0.49	0.73	0.77	0.57
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.382							0.38	0.38	0.38	0.38
LTE Band 13 Ant 1	Front	0.390	0.128	0.033	0.260	0.118	0.082	0.057	0.52	0.73	0.71	0.54
	Back	0.646	0.105	0.023	0.165	0.075	0.076	0.030	0.75	0.89	0.84	0.74
	Left side	0.230	0.235	0.142	0.296	0.135	0.173	0.036	0.47	0.70	0.56	0.51
	Right side	0.061	0.218	0.122	0.380	0.174	0.072	0.111	0.28	0.51	0.55	0.36
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.514							0.51	0.51	0.51	0.51
LTE Band 26 Ant 0	Front	0.600	0.128	0.033	0.260	0.118	0.082	0.057	0.73	0.94	0.92	0.75
	Back	0.954	0.105	0.023	0.165	0.075	0.076	0.030	1.06	1.20	1.15	1.05



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	Left side	0.090	0.235	0.142	0.296	0.135	0.173	0.036	0.33	0.56	0.42	0.37
	Right side	0.371	0.218	0.122	0.380	0.174	0.072	0.111	0.59	0.82	0.86	0.67
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.797							0.80	0.80	0.80	0.80
LTE Band 26 Ant 1	Front	0.285	0.128	0.033	0.260	0.118	0.082	0.057	0.41	0.63	0.60	0.44
	Back	0.556	0.105	0.023	0.165	0.075	0.076	0.030	0.66	0.80	0.75	0.65
	Left side	0.183	0.235	0.142	0.296	0.135	0.173	0.036	0.42	0.65	0.52	0.46
	Right side	0.046	0.218	0.122	0.380	0.174	0.072	0.111	0.26	0.50	0.54	0.34
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.497							0.50	0.50	0.50	0.50
LTE Band 66 Ant 0	Front	0.636	0.128	0.033	0.260	0.118	0.082	0.057	0.76	0.98	0.95	0.79
	Back	1.133	0.105	0.023	0.165	0.075	0.076	0.030	1.24	1.37	1.33	1.23
	Left side	0.044	0.235	0.142	0.296	0.135	0.173	0.036	0.28	0.51	0.38	0.32
	Right side	0.292	0.218	0.122	0.380	0.174	0.072	0.111	0.51	0.74	0.78	0.59
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.065							1.07	1.07	1.07	1.07
LTE Band 66 Ant 1	Front	0.863	0.128	0.033	0.260	0.118	0.082	0.057	0.99	1.21	1.18	1.01
	Back	1.231	0.105	0.023	0.165	0.075	0.076	0.030	1.34	1.47	1.43	1.33
	Left side	0.465	0.235	0.142	0.296	0.135	0.173	0.036	0.70	0.93	0.80	0.74
	Right side	0.112	0.218	0.122	0.380	0.174	0.072	0.111	0.33	0.56	0.60	0.41
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.979							0.98	0.98	0.98	0.98
LTE Band 66 Ant 2	Front	0.477	0.128	0.033	0.260	0.118	0.082	0.057	0.61	0.82	0.79	0.63
	Back	0.753	0.105	0.023	0.165	0.075	0.076	0.030	0.86	0.99	0.95	0.85
	Left side	0.488	0.235	0.142	0.296	0.135	0.173	0.036	0.72	0.96	0.82	0.77
	Right side	0.040	0.218	0.122	0.380	0.174	0.072	0.111	0.26	0.49	0.53	0.34
	Top side	0.763	0.035	0.014	0.099	0.045	0.018	0.008	0.80	0.88	0.87	0.82
	Bottom side											
LTE Band 66 Ant 3	Front	0.493	0.128	0.033	0.260	0.118	0.082	0.057	0.62	0.84	0.81	0.64
	Back	0.665	0.105	0.023	0.165	0.075	0.076	0.030	0.77	0.91	0.86	0.76
	Left side	0.162	0.235	0.142	0.296	0.135	0.173	0.036	0.40	0.63	0.49	0.44
	Right side	0.437	0.218	0.122	0.380	0.174	0.072	0.111	0.66	0.89	0.93	0.73
	Top side	0.986	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.05
	Bottom side											
LTE Band 25 Ant 2	Front	0.473	0.128	0.033	0.260	0.118	0.082	0.057	0.60	0.82	0.79	0.62
	Back	0.739	0.105	0.023	0.165	0.075	0.076	0.030	0.84	0.98	0.93	0.84
	Left side	0.420	0.235	0.142	0.296	0.135	0.173	0.036	0.66	0.89	0.75	0.70
	Right side	0.087	0.218	0.122	0.380	0.174	0.072	0.111	0.31	0.54	0.58	0.38
	Top side	0.985	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.04
	Bottom side											
LTE Band 25 Ant 3	Front	0.481	0.128	0.033	0.260	0.118	0.082	0.057	0.61	0.82	0.80	0.63
	Back	0.668	0.105	0.023	0.165	0.075	0.076	0.030	0.77	0.91	0.86	0.77
	Left side	0.121	0.235	0.142	0.296	0.135	0.173	0.036	0.36	0.59	0.45	0.40
	Right side	0.432	0.218	0.122	0.380	0.174	0.072	0.111	0.65	0.88	0.92	0.73
	Top side	0.993	0.035	0.014	0.099	0.045	0.018	0.008	1.03	1.11	1.10	1.05
	Bottom side											
LTE Band 7 Ant 0	Front	0.439	0.128	0.033	0.260	0.118	0.082	0.057	0.57	0.78	0.76	0.59
	Back	0.947	0.105	0.023	0.165	0.075	0.076	0.030	1.05	1.19	1.14	1.05
	Left side	0.036	0.235	0.142	0.296	0.135	0.173	0.036	0.27	0.51	0.37	0.31
	Right side	0.417	0.218	0.122	0.380	0.174	0.072	0.111	0.64	0.87	0.91	0.71
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.241							1.24	1.24	1.24	1.24





**FCC SAR Test Report**

**Report No. : FA2D0913-01**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 4+5 WWAN+ non DBS	WLAN2.4GHz Ant 4+5 WWAN+DBS	WLAN5GHz Ant 4+5 WWAN+ non DBS	WLAN5GHz Ant 4+5 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 1	Front	0.606	0.128	0.033	0.260	0.118	0.082	0.057	0.73	0.95	0.92	0.76
	Back	1.065	0.105	0.023	0.165	0.075	0.076	0.030	1.17	1.31	1.26	1.16
	Left side	0.375	0.235	0.142	0.296	0.135	0.173	0.036	0.61	0.84	0.71	0.65
	Right side	0.039	0.218	0.122	0.380	0.174	0.072	0.111	0.26	0.49	0.53	0.34
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.246							1.25	1.25	1.25	1.25
LTE Band 7 Ant 2	Front	0.736	0.128	0.033	0.260	0.118	0.082	0.057	0.86	1.08	1.05	0.89
	Back	0.975	0.105	0.023	0.165	0.075	0.076	0.030	1.08	1.22	1.17	1.07
	Left side	0.114	0.235	0.142	0.296	0.135	0.173	0.036	0.35	0.58	0.45	0.39
	Right side	0.314	0.218	0.122	0.380	0.174	0.072	0.111	0.53	0.77	0.81	0.61
	Top side	0.888	0.035	0.014	0.099	0.045	0.018	0.008	0.92	1.01	1.00	0.95
	Bottom side											
LTE Band 7 Ant 3	Front	0.683	0.128	0.033	0.260	0.118	0.082	0.057	0.81	1.03	1.00	0.83
	Back	0.987	0.105	0.023	0.165	0.075	0.076	0.030	1.09	1.23	1.18	1.09
	Left side	0.079	0.235	0.142	0.296	0.135	0.173	0.036	0.31	0.55	0.41	0.36
	Right side	0.469	0.218	0.122	0.380	0.174	0.072	0.111	0.69	0.92	0.96	0.77
	Top side	0.841	0.035	0.014	0.099	0.045	0.018	0.008	0.88	0.96	0.95	0.90
	Bottom side											
LTE Band 41 Ant 0	Front	0.358	0.128	0.033	0.260	0.118	0.082	0.057	0.49	0.70	0.68	0.51
	Back	0.565	0.105	0.023	0.165	0.075	0.076	0.030	0.67	0.81	0.76	0.66
	Left side	0.069	0.235	0.142	0.296	0.135	0.173	0.036	0.30	0.54	0.40	0.35
	Right side	0.521	0.218	0.122	0.380	0.174	0.072	0.111	0.74	0.97	1.01	0.82
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.800							0.80	0.80	0.80	0.80
LTE Band 41 Ant 1	Front	0.566	0.128	0.033	0.260	0.118	0.082	0.057	0.69	0.91	0.88	0.72
	Back	1.246	0.105	0.023	0.165	0.075	0.076	0.030	1.35	1.49	1.44	1.34
	Left side	0.469	0.235	0.142	0.296	0.135	0.173	0.036	0.70	0.94	0.80	0.75
	Right side	0.037	0.218	0.122	0.380	0.174	0.072	0.111	0.26	0.49	0.53	0.33
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.074							1.07	1.07	1.07	1.07
LTE Band 41 Ant 2	Front	0.525	0.128	0.033	0.260	0.118	0.082	0.057	0.65	0.87	0.84	0.68
	Back	0.992	0.105	0.023	0.165	0.075	0.076	0.030	1.10	1.23	1.19	1.09
	Left side	0.172	0.235	0.142	0.296	0.135	0.173	0.036	0.41	0.64	0.50	0.45
	Right side	0.019	0.218	0.122	0.380	0.174	0.072	0.111	0.24	0.47	0.51	0.32
	Top side	0.805	0.035	0.014	0.099	0.045	0.018	0.008	0.84	0.92	0.91	0.86
	Bottom side											
LTE Band 41 Ant 3	Front	0.447	0.128	0.033	0.260	0.118	0.082	0.057	0.58	0.79	0.76	0.60
	Back	0.948	0.105	0.023	0.165	0.075	0.076	0.030	1.05	1.19	1.14	1.05
	Left side	0.037	0.235	0.142	0.296	0.135	0.173	0.036	0.27	0.51	0.37	0.31
	Right side	0.329	0.218	0.122	0.380	0.174	0.072	0.111	0.55	0.78	0.82	0.63
	Top side	0.459	0.035	0.014	0.099	0.045	0.018	0.008	0.49	0.58	0.57	0.52
	Bottom side											
LTE Band 42 Part27Q Ant 0	Front	0.234	0.128	0.033	0.260	0.118	0.082	0.057	0.36	0.58	0.55	0.39
	Back	0.268	0.105	0.023	0.165	0.075	0.076	0.030	0.37	0.51	0.46	0.37
	Left side	0.073	0.235	0.142	0.296	0.135	0.173	0.036	0.31	0.54	0.41	0.35
	Right side	0.089	0.218	0.122	0.380	0.174	0.072	0.111	0.31	0.54	0.58	0.39
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.467							0.47	0.47	0.47	0.47
LTE Band 42 Part27Q Ant 1	Front	0.315	0.128	0.033	0.260	0.118	0.082	0.057	0.44	0.66	0.63	0.47
	Back	0.517	0.105	0.023	0.165	0.075	0.076	0.030	0.62	0.76	0.71	0.62
	Left side	0.157	0.235	0.142	0.296	0.135	0.173	0.036	0.39	0.63	0.49	0.43
	Right side	0.052	0.218	0.122	0.380	0.174	0.072	0.111	0.27	0.50	0.54	0.35
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.032							1.03	1.03	1.03	1.03
LTE Band 42 Part27Q Ant 2	Front	0.328	0.128	0.033	0.260	0.118	0.082	0.057	0.46	0.67	0.65	0.48
	Back	0.419	0.105	0.023	0.165	0.075	0.076	0.030	0.52	0.66	0.61	0.52



	Left side	0.058	0.235	0.142	0.296	0.135	0.173	0.036	0.29	0.53	0.39	0.34
	Right side	0.033	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.49	0.52	0.33
	Top side	0.982	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.04
LTE Band 42 Part27Q Ant 3	Front	0.330	0.128	0.033	0.260	0.118	0.082	0.057	0.46	0.67	0.65	0.48
	Back	0.579	0.105	0.023	0.165	0.075	0.076	0.030	0.68	0.82	0.77	0.68
	Left side	0.011	0.235	0.142	0.296	0.135	0.173	0.036	0.25	0.48	0.34	0.29
LTE Band 48 Ant 0	Right side	0.078	0.218	0.122	0.380	0.174	0.072	0.111	0.30	0.53	0.57	0.37
	Top side	0.994	0.035	0.014	0.099	0.045	0.018	0.008	1.03	1.11	1.10	1.05
	Front	0.053	0.128	0.033	0.260	0.118	0.082	0.057	0.18	0.40	0.37	0.20
	Back	0.191	0.105	0.023	0.165	0.075	0.076	0.030	0.30	0.43	0.39	0.29
	Left side	0.059	0.235	0.142	0.296	0.135	0.173	0.036	0.29	0.53	0.39	0.34
LTE Band 48 Ant 1	Right side	0.064	0.218	0.122	0.380	0.174	0.072	0.111	0.28	0.52	0.56	0.36
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.204							0.20	0.20	0.20	0.20
	Front	0.267	0.128	0.033	0.260	0.118	0.082	0.057	0.40	0.61	0.58	0.42
	Back	0.385	0.105	0.023	0.165	0.075	0.076	0.030	0.49	0.63	0.58	0.48
LTE Band 48 Ant 2	Left side	0.139	0.235	0.142	0.296	0.135	0.173	0.036	0.37	0.61	0.47	0.42
	Right side	0.026	0.218	0.122	0.380	0.174	0.072	0.111	0.24	0.48	0.52	0.32
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.870							0.87	0.87	0.87	0.87
	Front	0.325	0.128	0.033	0.260	0.118	0.082	0.057	0.45	0.67	0.64	0.48
LTE Band 48 Ant 3	Back	0.428	0.105	0.023	0.165	0.075	0.076	0.030	0.53	0.67	0.62	0.53
	Left side	0.046	0.235	0.142	0.296	0.135	0.173	0.036	0.28	0.52	0.38	0.32
	Right side	0.036	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.49	0.53	0.33
	Top side	0.985	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.04
	Front	0.281	0.128	0.033	0.260	0.118	0.082	0.057	0.41	0.62	0.60	0.43
LTE Band 48 Ant 3	Back	0.400	0.105	0.023	0.165	0.075	0.076	0.030	0.51	0.64	0.60	0.50
	Left side	0.006	0.235	0.142	0.296	0.135	0.173	0.036	0.24	0.48	0.34	0.28
	Right side	0.078	0.218	0.122	0.380	0.174	0.072	0.111	0.30	0.53	0.57	0.37
	Top side	0.866	0.035	0.014	0.099	0.045	0.018	0.008	0.90	0.98	0.97	0.93



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 4+5 WWAN+ non DBS	WLAN2.4GHz Ant 4+5 WWAN+DBS	WLAN5GHz Ant 4+5 WWAN+ non DBS	WLAN5GHz Ant 4+5 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n5 Ant 0	Front	0.383	0.128	0.033	0.260	0.118	0.082	0.057	0.51	0.73	0.70	0.53
	Back	0.697	0.105	0.023	0.165	0.075	0.076	0.030	0.80	0.94	0.89	0.80
	Left side	0.078	0.235	0.142	0.296	0.135	0.173	0.036	0.31	0.55	0.41	0.36
	Right side	0.255	0.218	0.122	0.380	0.174	0.072	0.111	0.47	0.71	0.75	0.55
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.577							0.58	0.58	0.58	0.58
FR1 n5 Ant 1	Front	0.338	0.128	0.033	0.260	0.118	0.082	0.057	0.47	0.68	0.66	0.49
	Back	0.550	0.105	0.023	0.165	0.075	0.076	0.030	0.66	0.79	0.75	0.65
	Left side	0.213	0.235	0.142	0.296	0.135	0.173	0.036	0.45	0.68	0.55	0.49
	Right side	0.068	0.218	0.122	0.380	0.174	0.072	0.111	0.29	0.52	0.56	0.36
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.409							0.41	0.41	0.41	0.41
FR1 n66 Ant 0	Front	0.245	0.128	0.033	0.260	0.118	0.082	0.057	0.37	0.59	0.56	0.40
	Back	0.443	0.105	0.023	0.165	0.075	0.076	0.030	0.55	0.68	0.64	0.54
	Left side	0.060	0.235	0.142	0.296	0.135	0.173	0.036	0.30	0.53	0.39	0.34
	Right side	0.131	0.218	0.122	0.380	0.174	0.072	0.111	0.35	0.58	0.62	0.43
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.403							0.40	0.40	0.40	0.40
FR1 n66 Ant 1	Front	0.879	0.128	0.033	0.260	0.118	0.082	0.057	1.01	1.22	1.20	1.03
	Back	1.255	0.105	0.023	0.165	0.075	0.076	0.030	1.36	1.50	1.45	1.35
	Left side	0.526	0.235	0.142	0.296	0.135	0.173	0.036	0.76	1.00	0.86	0.80
	Right side	0.115	0.218	0.122	0.380	0.174	0.072	0.111	0.33	0.57	0.61	0.41
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.961							0.96	0.96	0.96	0.96
FR1 n66 Ant 2	Front	0.612	0.128	0.033	0.260	0.118	0.082	0.057	0.74	0.95	0.93	0.76
	Back	0.839	0.105	0.023	0.165	0.075	0.076	0.030	0.94	1.08	1.03	0.94
	Left side	0.528	0.235	0.142	0.296	0.135	0.173	0.036	0.76	1.00	0.86	0.81
	Right side	0.035	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.49	0.53	0.33
	Top side	0.778	0.035	0.014	0.099	0.045	0.018	0.008	0.81	0.90	0.89	0.84
	Bottom side											
FR1 n66 Ant 3	Front	0.482	0.128	0.033	0.260	0.118	0.082	0.057	0.61	0.82	0.80	0.63
	Back	0.625	0.105	0.023	0.165	0.075	0.076	0.030	0.73	0.87	0.82	0.72
	Left side	0.143	0.235	0.142	0.296	0.135	0.173	0.036	0.38	0.61	0.48	0.42
	Right side	0.387	0.218	0.122	0.380	0.174	0.072	0.111	0.61	0.84	0.88	0.68
	Top side	0.975	0.035	0.014	0.099	0.045	0.018	0.008	1.01	1.09	1.08	1.03
	Bottom side											
FR1 n7 Ant 0	Front	0.686	0.128	0.033	0.260	0.118	0.082	0.057	0.81	1.03	1.00	0.84
	Back	1.018	0.105	0.023	0.165	0.075	0.076	0.030	1.12	1.26	1.21	1.12
	Left side	0.042	0.235	0.142	0.296	0.135	0.173	0.036	0.28	0.51	0.37	0.32
	Right side	0.610	0.218	0.122	0.380	0.174	0.072	0.111	0.83	1.06	1.10	0.91
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.250							1.25	1.25	1.25	1.25
FR1 n7 Ant 1	Front	0.496	0.128	0.033	0.260	0.118	0.082	0.057	0.62	0.84	0.81	0.65
	Back	1.250	0.105	0.023	0.165	0.075	0.076	0.030	1.36	1.49	1.45	1.35
	Left side	0.336	0.235	0.142	0.296	0.135	0.173	0.036	0.57	0.81	0.67	0.61
	Right side	0.034	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.49	0.53	0.33
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.135							1.14	1.14	1.14	1.14
FR1 n7 Ant 2	Front	0.578	0.128	0.033	0.260	0.118	0.082	0.057	0.71	0.92	0.90	0.73
	Back	0.700	0.105	0.023	0.165	0.075	0.076	0.030	0.81	0.94	0.90	0.80
	Left side	0.127	0.235	0.142	0.296	0.135	0.173	0.036	0.36	0.60	0.46	0.40
	Right side	0.035	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.49	0.53	0.33
	Top side	0.978	0.035	0.014	0.099	0.045	0.018	0.008	1.01	1.10	1.09	1.04
FR1 n7 Ant 3	Front	0.640	0.128	0.033	0.260	0.118	0.082	0.057	0.77	0.98	0.96	0.79



	Back	0.985	0.105	0.023	0.165	0.075	0.076	0.030	1.09	1.23	1.18	1.08
	Left side	0.122	0.235	0.142	0.296	0.135	0.173	0.036	0.36	0.59	0.45	0.40
	Right side	0.438	0.218	0.122	0.380	0.174	0.072	0.111	0.66	0.89	0.93	0.73
	Top side	0.780	0.035	0.014	0.099	0.045	0.018	0.008	0.82	0.90	0.89	0.84
FR1 n41 Ant 0	Front	0.665	0.128	0.033	0.260	0.118	0.082	0.057	0.79	1.01	0.98	0.82
	Back	1.030	0.105	0.023	0.165	0.075	0.076	0.030	1.14	1.27	1.23	1.13
	Left side	0.048	0.235	0.142	0.296	0.135	0.173	0.036	0.28	0.52	0.38	0.33
	Right side	0.780	0.218	0.122	0.380	0.174	0.072	0.111	1.00	1.23	1.27	1.08
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.228							1.23	1.23	1.23	1.23
FR1 n41 Ant 1	Front	0.576	0.128	0.033	0.260	0.118	0.082	0.057	0.70	0.92	0.89	0.73
	Back	1.119	0.105	0.023	0.165	0.075	0.076	0.030	1.22	1.36	1.31	1.22
	Left side	0.268	0.235	0.142	0.296	0.135	0.173	0.036	0.50	0.74	0.60	0.55
	Right side	0.028	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.48	0.52	0.32
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.246							1.25	1.25	1.25	1.25
FR1 n41 Ant 2	Front	0.606	0.128	0.033	0.260	0.118	0.082	0.057	0.73	0.95	0.92	0.76
	Back	0.637	0.105	0.023	0.165	0.075	0.076	0.030	0.74	0.88	0.83	0.74
	Left side	0.199	0.235	0.142	0.296	0.135	0.173	0.036	0.43	0.67	0.53	0.48
	Right side	0.041	0.218	0.122	0.380	0.174	0.072	0.111	0.26	0.49	0.53	0.34
	Top side	0.984	0.035	0.014	0.099	0.045	0.018	0.008	1.02	1.10	1.09	1.04
FR1 n41 Ant 3	Front	0.991	0.128	0.033	0.260	0.118	0.082	0.057	1.12	1.33	1.31	1.14
	Back	0.945	0.105	0.023	0.165	0.075	0.076	0.030	1.05	1.19	1.14	1.04
	Left side	0.068	0.235	0.142	0.296	0.135	0.173	0.036	0.30	0.54	0.40	0.35
	Right side	0.637	0.218	0.122	0.380	0.174	0.072	0.111	0.86	1.09	1.13	0.93
	Top side	0.824	0.035	0.014	0.099	0.045	0.018	0.008	0.86	0.94	0.93	0.88
FR1 n77_Part270 Ant 0	Front	0.234	0.128	0.033	0.260	0.118	0.082	0.057	0.36	0.58	0.55	0.39
	Back	0.286	0.105	0.023	0.165	0.075	0.076	0.030	0.39	0.53	0.48	0.38
	Left side	0.053	0.235	0.142	0.296	0.135	0.173	0.036	0.29	0.52	0.39	0.33
	Right side	0.069	0.218	0.122	0.380	0.174	0.072	0.111	0.29	0.52	0.56	0.37
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	0.327							0.33	0.33	0.33	0.33
FR1 n77_Part270 Ant 1	Front	0.308	0.128	0.033	0.260	0.118	0.082	0.057	0.44	0.65	0.63	0.46
	Back	0.399	0.105	0.023	0.165	0.075	0.076	0.030	0.50	0.64	0.59	0.50
	Left side	0.218	0.235	0.142	0.296	0.135	0.173	0.036	0.45	0.69	0.55	0.50
	Right side	0.047	0.218	0.122	0.380	0.174	0.072	0.111	0.27	0.50	0.54	0.34
	Top side		0.035	0.014	0.099	0.045	0.018	0.008	0.04	0.12	0.11	0.06
	Bottom side	1.202							1.20	1.20	1.20	1.20
FR1 n77_Part270 Ant 2	Front	0.437	0.128	0.033	0.260	0.118	0.082	0.057	0.57	0.78	0.75	0.59
	Back	0.542	0.105	0.023	0.165	0.075	0.076	0.030	0.65	0.78	0.74	0.64
	Left side	0.072	0.235	0.142	0.296	0.135	0.173	0.036	0.31	0.54	0.40	0.35
	Right side	0.032	0.218	0.122	0.380	0.174	0.072	0.111	0.25	0.48	0.52	0.33
	Top side	0.992	0.035	0.014	0.099	0.045	0.018	0.008	1.03	1.11	1.10	1.05
FR1 n77_Part270 Ant 3	Front	0.317	0.128	0.033	0.260	0.118	0.082	0.057	0.45	0.66	0.63	0.47
	Back	0.398	0.105	0.023	0.165	0.075	0.076	0.030	0.50	0.64	0.59	0.50
	Left side	0.010	0.235	0.142	0.296	0.135	0.173	0.036	0.25	0.48	0.34	0.29
	Right side	0.108	0.218	0.122	0.380	0.174	0.072	0.111	0.33	0.56	0.60	0.40
	Top side	0.965	0.035	0.014	0.099	0.045	0.018	0.008	1.00	1.08	1.07	1.02



<Flip Close >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 5+4 WWAN + non DBS	WLAN2.4GHz Ant 5+4 WWAN +DBS	WLAN5GHz Ant 5+4 WWAN +non DBS	WLAN5GHz Ant 5+4 WWAN +DBS	Bluetooth Ant 4	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.056	0.140	0.071	0.158	0.061	0.085	0.024	0.20	0.30	0.24	0.19
	Back	0.749	0.133	0.066	0.063	0.028	0.069	0.001	0.88	0.88	0.81	0.84
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.517	0.340	0.174	0.362	0.148	0.001	0.110	0.86	0.88	0.99	0.84
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.472	0.055	0.030	0.062	0.027	0.001	0.001	0.53	0.54	0.54	0.53
GSM850 Ant 1	Front	0.051	0.140	0.071	0.158	0.061	0.085	0.024	0.19	0.29	0.23	0.18
	Back	0.612	0.133	0.066	0.063	0.028	0.069	0.001	0.75	0.74	0.68	0.71
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.370	0.340	0.174	0.362	0.148	0.001	0.110	0.71	0.73	0.84	0.69
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.390	0.055	0.030	0.062	0.027	0.001	0.001	0.45	0.45	0.45	0.45
GSM1900 Ant 0	Front	0.088	0.140	0.071	0.158	0.061	0.085	0.024	0.23	0.33	0.27	0.22
	Back	0.542	0.133	0.066	0.063	0.028	0.069	0.001	0.68	0.67	0.61	0.64
	Left side	0.068	0.365	0.185	0.368	0.181	0.132	0.001	0.43	0.57	0.44	0.43
	Right side	0.136	0.340	0.174	0.362	0.148	0.001	0.110	0.48	0.50	0.61	0.46
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.650	0.055	0.030	0.062	0.027	0.001	0.001	0.71	0.71	0.71	0.71
GSM1900 Ant 1	Front	0.165	0.140	0.071	0.158	0.061	0.085	0.024	0.31	0.41	0.35	0.30
	Back	0.529	0.133	0.066	0.063	0.028	0.069	0.001	0.66	0.66	0.59	0.62
	Left side	0.309	0.365	0.185	0.368	0.181	0.132	0.001	0.67	0.81	0.68	0.68
	Right side	0.096	0.340	0.174	0.362	0.148	0.001	0.110	0.44	0.46	0.57	0.42
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.790	0.055	0.030	0.062	0.027	0.001	0.001	0.85	0.85	0.85	0.85
GSM1900 Ant 2	Front	0.870	0.140	0.071	0.158	0.061	0.085	0.024	1.01	1.11	1.05	1.00
	Back	0.124	0.133	0.066	0.063	0.028	0.069	0.001	0.26	0.26	0.19	0.22
	Left side	0.263	0.365	0.185	0.368	0.181	0.132	0.001	0.63	0.76	0.63	0.63
	Right side	0.290	0.340	0.174	0.362	0.148	0.001	0.110	0.63	0.65	0.76	0.61
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.569	0.055	0.030	0.062	0.027	0.001	0.001	0.62	0.63	0.63	0.63
GSM1900 Ant 3	Front	0.858	0.140	0.071	0.158	0.061	0.085	0.024	1.00	1.10	1.04	0.99
	Back	0.116	0.133	0.066	0.063	0.028	0.069	0.001	0.25	0.25	0.18	0.21
	Left side	0.289	0.365	0.185	0.368	0.181	0.132	0.001	0.65	0.79	0.66	0.66
	Right side	0.314	0.340	0.174	0.362	0.148	0.001	0.110	0.65	0.68	0.79	0.64
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.997	0.055	0.030	0.062	0.027	0.001	0.001	1.05	1.06	1.06	1.05
WCDMA V Ant 0	Front	0.067	0.140	0.071	0.158	0.061	0.085	0.024	0.21	0.31	0.25	0.20
	Back	0.574	0.133	0.066	0.063	0.028	0.069	0.001	0.71	0.71	0.64	0.67
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.340	0.340	0.174	0.362	0.148	0.001	0.110	0.68	0.70	0.81	0.66
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.444	0.055	0.030	0.062	0.027	0.001	0.001	0.50	0.51	0.51	0.50
WCDMA V Ant 1	Front	0.125	0.140	0.071	0.158	0.061	0.085	0.024	0.27	0.37	0.31	0.26
	Back	0.596	0.133	0.066	0.063	0.028	0.069	0.001	0.73	0.73	0.66	0.69
	Left side	0.436	0.365	0.185	0.368	0.181	0.132	0.001	0.80	0.94	0.81	0.80
	Right side	0.001	0.340	0.174	0.362	0.148	0.001	0.110	0.34	0.36	0.47	0.32
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.470	0.055	0.030	0.062	0.027	0.001	0.001	0.53	0.53	0.53	0.53
WCDMA IV Ant 0	Front	0.058	0.140	0.071	0.158	0.061	0.085	0.024	0.20	0.30	0.24	0.19
	Back	0.994	0.133	0.066	0.063	0.028	0.069	0.001	1.13	1.13	1.06	1.09
	Left side	0.022	0.365	0.185	0.368	0.181	0.132	0.001	0.39	0.52	0.39	0.39





**FCC SAR Test Report**

**Report No. : FA2D0913-01**

	Right side	0.256	0.340	0.174	0.362	0.148	0.001	0.110	0.60	0.62	0.73	0.58
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.906	0.055	0.030	0.062	0.027	0.001	0.001	0.96	0.97	0.97	0.96
WCDMA IV Ant 1	Front	0.119	0.140	0.071	0.158	0.061	0.085	0.024	0.26	0.36	0.30	0.25
	Back	0.976	0.133	0.066	0.063	0.028	0.069	0.001	1.11	1.11	1.04	1.07
	Left side	0.309	0.365	0.185	0.368	0.181	0.132	0.001	0.67	0.81	0.68	0.68
	Right side	0.053	0.340	0.174	0.362	0.148	0.001	0.110	0.39	0.42	0.53	0.38
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.716	0.055	0.030	0.062	0.027	0.001	0.001	0.77	0.78	0.78	0.77
WCDMA IV Ant 2	Front	0.798	0.140	0.071	0.158	0.061	0.085	0.024	0.94	1.04	0.98	0.93
	Back	0.226	0.133	0.066	0.063	0.028	0.069	0.001	0.36	0.36	0.29	0.32
	Left side	0.665	0.365	0.185	0.368	0.181	0.132	0.001	1.03	1.17	1.03	1.03
	Right side	0.001	0.340	0.174	0.362	0.148	0.001	0.110	0.34	0.36	0.47	0.32
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.978	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.04
WCDMA IV Ant 3	Front	0.667	0.140	0.071	0.158	0.061	0.085	0.024	0.81	0.91	0.85	0.80
	Back	0.276	0.133	0.066	0.063	0.028	0.069	0.001	0.41	0.41	0.34	0.37
	Left side	0.167	0.365	0.185	0.368	0.181	0.132	0.001	0.53	0.67	0.54	0.53
	Right side	0.558	0.340	0.174	0.362	0.148	0.001	0.110	0.90	0.92	1.03	0.88
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.976	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.03
WCDMA II Ant 2	Front	0.681	0.140	0.071	0.158	0.061	0.085	0.024	0.82	0.92	0.86	0.81
	Back	0.183	0.133	0.066	0.063	0.028	0.069	0.001	0.32	0.32	0.25	0.28
	Left side	0.589	0.365	0.185	0.368	0.181	0.132	0.001	0.95	1.09	0.96	0.96
	Right side	0.001	0.340	0.174	0.362	0.148	0.001	0.110	0.34	0.36	0.47	0.32
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.985	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
WCDMA II Ant 3	Front	0.994	0.140	0.071	0.158	0.061	0.085	0.024	1.13	1.24	1.18	1.13
	Back	0.098	0.133	0.066	0.063	0.028	0.069	0.001	0.23	0.23	0.16	0.19
	Left side	0.226	0.365	0.185	0.368	0.181	0.132	0.001	0.59	0.73	0.60	0.59
	Right side	0.242	0.340	0.174	0.362	0.148	0.001	0.110	0.58	0.61	0.71	0.56
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.832	0.055	0.030	0.062	0.027	0.001	0.001	0.89	0.90	0.90	0.89
LTE Band 12 Ant 0	Front	0.001	0.140	0.071	0.158	0.061	0.085	0.024	0.14	0.24	0.18	0.13
	Back	0.403	0.133	0.066	0.063	0.028	0.069	0.001	0.54	0.54	0.47	0.50
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.208	0.340	0.174	0.362	0.148	0.001	0.110	0.55	0.57	0.68	0.53
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.378	0.055	0.030	0.062	0.027	0.001	0.001	0.43	0.44	0.44	0.44
LTE Band 12 Ant 1	Front	0.059	0.140	0.071	0.158	0.061	0.085	0.024	0.20	0.30	0.24	0.19
	Back	0.395	0.133	0.066	0.063	0.028	0.069	0.001	0.53	0.53	0.46	0.49
	Left side	0.055	0.365	0.185	0.368	0.181	0.132	0.001	0.42	0.56	0.42	0.42
	Right side	0.267	0.340	0.174	0.362	0.148	0.001	0.110	0.61	0.63	0.74	0.59
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.340	0.055	0.030	0.062	0.027	0.001	0.001	0.40	0.40	0.40	0.40
LTE Band 13 Ant 0	Front	0.072	0.140	0.071	0.158	0.061	0.085	0.024	0.21	0.32	0.25	0.20
	Back	0.545	0.133	0.066	0.063	0.028	0.069	0.001	0.68	0.68	0.61	0.64
	Left side	0.072	0.365	0.185	0.368	0.181	0.132	0.001	0.44	0.57	0.44	0.44
	Right side	0.348	0.340	0.174	0.362	0.148	0.001	0.110	0.69	0.71	0.82	0.67
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.438	0.055	0.030	0.062	0.027	0.001	0.001	0.49	0.50	0.50	0.50
LTE Band 13 Ant 1	Front	0.081	0.140	0.071	0.158	0.061	0.085	0.024	0.22	0.32	0.26	0.21
	Back	0.590	0.133	0.066	0.063	0.028	0.069	0.001	0.72	0.72	0.65	0.68
	Left side	0.086	0.365	0.185	0.368	0.181	0.132	0.001	0.45	0.59	0.46	0.45
	Right side	0.491	0.340	0.174	0.362	0.148	0.001	0.110	0.83	0.85	0.96	0.81
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00



	Bottom side	0.434	0.055	0.030	0.062	0.027	0.001	0.001	0.49	0.50	0.50	0.49
LTE Band 26 Ant 0	Front	0.114	0.140	0.071	0.158	0.061	0.085	0.024	0.25	0.36	0.30	0.25
	Back	0.993	0.133	0.066	0.063	0.028	0.069	0.001	1.13	1.13	1.06	1.09
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.593	0.340	0.174	0.362	0.148	0.001	0.110	0.93	0.96	1.07	0.92
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.797	0.055	0.030	0.062	0.027	0.001	0.001	0.85	0.86	0.86	0.85
LTE Band 26 Ant 1	Front	0.055	0.140	0.071	0.158	0.061	0.085	0.024	0.20	0.30	0.24	0.19
	Back	0.556	0.133	0.066	0.063	0.028	0.069	0.001	0.69	0.69	0.62	0.65
	Left side	0.012	0.365	0.185	0.368	0.181	0.132	0.001	0.38	0.51	0.38	0.38
	Right side	0.435	0.340	0.174	0.362	0.148	0.001	0.110	0.78	0.80	0.91	0.76
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.386	0.055	0.030	0.062	0.027	0.001	0.001	0.44	0.45	0.45	0.44
LTE Band 66 Ant 0	Front	0.054	0.140	0.071	0.158	0.061	0.085	0.024	0.19	0.30	0.24	0.19
	Back	0.816	0.133	0.066	0.063	0.028	0.069	0.001	0.95	0.95	0.88	0.91
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.190	0.340	0.174	0.362	0.148	0.001	0.110	0.53	0.55	0.66	0.51
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.985	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
LTE Band 66 Ant 1	Front	0.192	0.140	0.071	0.158	0.061	0.085	0.024	0.33	0.44	0.37	0.32
	Back	0.949	0.133	0.066	0.063	0.028	0.069	0.001	1.08	1.08	1.01	1.04
	Left side	0.433	0.365	0.185	0.368	0.181	0.132	0.001	0.80	0.93	0.80	0.80
	Right side	0.084	0.340	0.174	0.362	0.148	0.001	0.110	0.42	0.45	0.56	0.41
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.982	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
LTE Band 66 Ant 2	Front	0.356	0.140	0.071	0.158	0.061	0.085	0.024	0.50	0.60	0.54	0.49
	Back	0.120	0.133	0.066	0.063	0.028	0.069	0.001	0.25	0.25	0.18	0.21
	Left side	0.104	0.365	0.185	0.368	0.181	0.132	0.001	0.47	0.60	0.47	0.47
	Right side	0.259	0.340	0.174	0.362	0.148	0.001	0.110	0.60	0.62	0.73	0.58
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.625	0.055	0.030	0.062	0.027	0.001	0.001	0.68	0.69	0.69	0.68
LTE Band 66 Ant 3	Front	0.494	0.140	0.071	0.158	0.061	0.085	0.024	0.63	0.74	0.68	0.63
	Back	0.161	0.133	0.066	0.063	0.028	0.069	0.001	0.29	0.29	0.23	0.26
	Left side	0.120	0.365	0.185	0.368	0.181	0.132	0.001	0.49	0.62	0.49	0.49
	Right side	0.282	0.340	0.174	0.362	0.148	0.001	0.110	0.62	0.65	0.75	0.60
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.973	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.03
LTE Band 25 Ant 2	Front	0.717	0.140	0.071	0.158	0.061	0.085	0.024	0.86	0.96	0.90	0.85
	Back	0.107	0.133	0.066	0.063	0.028	0.069	0.001	0.24	0.24	0.17	0.20
	Left side	0.239	0.365	0.185	0.368	0.181	0.132	0.001	0.60	0.74	0.61	0.61
	Right side	0.292	0.340	0.174	0.362	0.148	0.001	0.110	0.63	0.66	0.76	0.61
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.805	0.055	0.030	0.062	0.027	0.001	0.001	0.86	0.87	0.87	0.86
LTE Band 25 Ant 3	Front	0.828	0.140	0.071	0.158	0.061	0.085	0.024	0.97	1.07	1.01	0.96
	Back	0.125	0.133	0.066	0.063	0.028	0.069	0.001	0.26	0.26	0.19	0.22
	Left side	0.279	0.365	0.185	0.368	0.181	0.132	0.001	0.64	0.78	0.65	0.65
	Right side	0.259	0.340	0.174	0.362	0.148	0.001	0.110	0.60	0.62	0.73	0.58
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.993	0.055	0.030	0.062	0.027	0.001	0.001	1.05	1.06	1.06	1.05
LTE Band 7 Ant 0	Front	0.059	0.140	0.071	0.158	0.061	0.085	0.024	0.20	0.30	0.24	0.19
	Back	0.838	0.133	0.066	0.063	0.028	0.069	0.001	0.97	0.97	0.90	0.93
	Left side	0.029	0.365	0.185	0.368	0.181	0.132	0.001	0.39	0.53	0.40	0.40
	Right side	0.508	0.340	0.174	0.362	0.148	0.001	0.110	0.85	0.87	0.98	0.83
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.988	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.05



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 5+4 WWAN +non DBS	WLAN2.4GHz Ant 5+4 WWAN +DBS	WLAN5GHz Ant 5+4 WWAN +non DBS	WLAN5GHz Ant 5+4 WWAN +DBS	Bluetooth Ant 4	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 1	Front	0.209	0.140	0.071	0.158	0.061	0.085	0.024	0.35	0.45	0.39	0.34
	Back	0.774	0.133	0.066	0.063	0.028	0.069	0.001	0.84	0.78	0.78	0.77
	Left side	0.272	0.365	0.185	0.368	0.181	0.132	0.001	0.64	0.27	0.27	0.27
	Right side	0.032	0.340	0.174	0.362	0.148	0.001	0.110	0.39	0.14	0.14	0.03
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.992	0.055	0.030	0.062	0.027	0.001	0.001	1.05	0.99	0.99	0.99
LTE Band 7 Ant 2	Front	0.974	0.140	0.071	0.158	0.061	0.085	0.024	1.13	1.00	1.00	0.97
	Back	0.245	0.133	0.066	0.063	0.028	0.069	0.001	0.31	0.25	0.25	0.25
	Left side	0.090	0.365	0.185	0.368	0.181	0.132	0.001	0.46	0.09	0.09	0.09
	Right side	0.293	0.340	0.174	0.362	0.148	0.001	0.110	0.66	0.40	0.40	0.29
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.905	0.055	0.030	0.062	0.027	0.001	0.001	0.97	0.91	0.91	0.91
LTE Band 7 Ant 3	Front	0.978	0.140	0.071	0.158	0.061	0.085	0.024	1.14	1.00	1.00	0.98
	Back	0.223	0.133	0.066	0.063	0.028	0.069	0.001	0.29	0.22	0.22	0.22
	Left side	0.086	0.365	0.185	0.368	0.181	0.132	0.001	0.45	0.09	0.09	0.09
	Right side	0.262	0.340	0.174	0.362	0.148	0.001	0.110	0.62	0.37	0.37	0.26
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.899	0.055	0.030	0.062	0.027	0.001	0.001	0.96	0.90	0.90	0.90
LTE Band 41 Ant 0	Front	0.023	0.140	0.071	0.158	0.061	0.085	0.024	0.18	0.05	0.05	0.02
	Back	0.594	0.133	0.066	0.063	0.028	0.069	0.001	0.66	0.60	0.60	0.59
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.00	0.00	0.00
	Right side	0.521	0.340	0.174	0.362	0.148	0.001	0.110	0.88	0.63	0.63	0.52
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.883	0.055	0.030	0.062	0.027	0.001	0.001	0.95	0.88	0.88	0.88
LTE Band 41 Ant 1	Front	0.116	0.140	0.071	0.158	0.061	0.085	0.024	0.27	0.14	0.14	0.12
	Back	1.007	0.133	0.066	0.063	0.028	0.069	0.001	1.07	1.01	1.01	1.01
	Left side	0.256	0.365	0.185	0.368	0.181	0.132	0.001	0.62	0.26	0.26	0.26
	Right side	0.013	0.340	0.174	0.362	0.148	0.001	0.110	0.38	0.12	0.12	0.01
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.594	0.055	0.030	0.062	0.027	0.001	0.001	0.66	0.60	0.60	0.59
LTE Band 41 Ant 2	Front	0.434	0.140	0.071	0.158	0.061	0.085	0.024	0.59	0.46	0.46	0.43
	Back	0.278	0.133	0.066	0.063	0.028	0.069	0.001	0.34	0.28	0.28	0.28
	Left side	0.221	0.365	0.185	0.368	0.181	0.132	0.001	0.59	0.22	0.22	0.22
	Right side	0.001	0.340	0.174	0.362	0.148	0.001	0.110	0.36	0.11	0.11	0.00
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.987	0.055	0.030	0.062	0.027	0.001	0.001	1.05	0.99	0.99	0.99
LTE Band 41 Ant 3	Front	0.767	0.140	0.071	0.158	0.061	0.085	0.024	0.93	0.79	0.79	0.77
	Back	0.148	0.133	0.066	0.063	0.028	0.069	0.001	0.21	0.15	0.15	0.15
	Left side	0.054	0.365	0.185	0.368	0.181	0.132	0.001	0.42	0.06	0.06	0.05
	Right side	0.201	0.340	0.174	0.362	0.148	0.001	0.110	0.56	0.31	0.31	0.20
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.924	0.055	0.030	0.062	0.027	0.001	0.001	0.99	0.93	0.93	0.92
LTE Band 42 Part27Q Ant 0	Front	0.061	0.140	0.071	0.158	0.061	0.085	0.024	0.22	0.09	0.09	0.06
	Back	0.437	0.133	0.066	0.063	0.028	0.069	0.001	0.50	0.44	0.44	0.44
	Left side	0.059	0.365	0.185	0.368	0.181	0.132	0.001	0.43	0.06	0.06	0.06
	Right side	0.138	0.340	0.174	0.362	0.148	0.001	0.110	0.50	0.25	0.25	0.14
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.581	0.055	0.030	0.062	0.027	0.001	0.001	0.64	0.58	0.58	0.58
LTE Band 42 Part27Q Ant 1	Front	0.057	0.140	0.071	0.158	0.061	0.085	0.024	0.22	0.08	0.08	0.06
	Back	0.480	0.133	0.066	0.063	0.028	0.069	0.001	0.54	0.48	0.48	0.48
	Left side	0.225	0.365	0.185	0.368	0.181	0.132	0.001	0.59	0.23	0.23	0.23
	Right side	0.044	0.340	0.174	0.362	0.148	0.001	0.110	0.41	0.15	0.15	0.04



	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.986	0.055	0.030	0.062	0.027	0.001	0.001	1.05	0.99	0.99	0.99
LTE Band 42 Part27Q Ant 2	Front	0.363	0.140	0.071	0.158	0.061	0.085	0.024	0.52	0.39	0.39	0.36
	Back	0.024	0.133	0.066	0.063	0.028	0.069	0.001	0.09	0.03	0.03	0.02
	Left side	0.012	0.365	0.185	0.368	0.181	0.132	0.001	0.38	0.01	0.01	0.01
	Right side	0.104	0.340	0.174	0.362	0.148	0.001	0.110	0.47	0.21	0.21	0.10
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.982	0.055	0.030	0.062	0.027	0.001	0.001	1.04	0.98	0.98	0.98
LTE Band 42 Part27Q Ant 3	Front	0.379	0.140	0.071	0.158	0.061	0.085	0.024	0.54	0.40	0.40	0.38
	Back	0.018	0.133	0.066	0.063	0.028	0.069	0.001	0.08	0.02	0.02	0.02
	Left side	0.014	0.365	0.185	0.368	0.181	0.132	0.001	0.38	0.02	0.02	0.01
	Right side	0.082	0.340	0.174	0.362	0.148	0.001	0.110	0.44	0.19	0.19	0.08
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.998	0.055	0.030	0.062	0.027	0.001	0.001	1.06	1.00	1.00	1.00
LTE Band 48 Ant 0	Front	0.134	0.140	0.071	0.158	0.061	0.085	0.024	0.29	0.16	0.16	0.13
	Back	0.146	0.133	0.066	0.063	0.028	0.069	0.001	0.21	0.15	0.15	0.15
	Left side	0.038	0.365	0.185	0.368	0.181	0.132	0.001	0.41	0.04	0.04	0.04
	Right side	0.043	0.340	0.174	0.362	0.148	0.001	0.110	0.41	0.15	0.15	0.04
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.254	0.055	0.030	0.062	0.027	0.001	0.001	0.32	0.26	0.26	0.25
LTE Band 48 Ant 1	Front	0.048	0.140	0.071	0.158	0.061	0.085	0.024	0.21	0.07	0.07	0.05
	Back	0.451	0.133	0.066	0.063	0.028	0.069	0.001	0.51	0.45	0.45	0.45
	Left side	0.231	0.365	0.185	0.368	0.181	0.132	0.001	0.60	0.23	0.23	0.23
	Right side	0.061	0.340	0.174	0.362	0.148	0.001	0.110	0.42	0.17	0.17	0.06
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	1.002	0.055	0.030	0.062	0.027	0.001	0.001	1.06	1.00	1.00	1.00
LTE Band 48 Ant 2	Front	0.395	0.140	0.071	0.158	0.061	0.085	0.024	0.55	0.42	0.42	0.40
	Back	0.036	0.133	0.066	0.063	0.028	0.069	0.001	0.10	0.04	0.04	0.04
	Left side	0.068	0.365	0.185	0.368	0.181	0.132	0.001	0.44	0.07	0.07	0.07
	Right side	0.029	0.340	0.174	0.362	0.148	0.001	0.110	0.39	0.14	0.14	0.03
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.986	0.055	0.030	0.062	0.027	0.001	0.001	1.05	0.99	0.99	0.99
LTE Band 48 Ant 3	Front	0.332	0.140	0.071	0.158	0.061	0.085	0.024	0.49	0.36	0.36	0.33
	Back	0.018	0.133	0.066	0.063	0.028	0.069	0.001	0.08	0.02	0.02	0.02
	Left side	0.008	0.365	0.185	0.368	0.181	0.132	0.001	0.38	0.01	0.01	0.01
	Right side	0.086	0.340	0.174	0.362	0.148	0.001	0.110	0.45	0.20	0.20	0.09
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.993	0.055	0.030	0.062	0.027	0.001	0.001	1.06	0.99	0.99	0.99



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+4+7	1+3+5
		WWAN	WLAN2.4GHz Ant 5+4 WWAN + non DBS	WLAN2.4GHz Ant 5+4 WWAN +DBS	WLAN5GHz Ant 5+4 WWAN +non DBS	WLAN5GHz Ant 5+4 WWAN +DBS	Bluetooth Ant 4	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n5 Ant 0	Front	0.059	0.140	0.071	0.158	0.061	0.085	0.024	0.20	0.30	0.24	0.19
	Back	0.603	0.133	0.066	0.063	0.028	0.069	0.001	0.74	0.74	0.67	0.70
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.291	0.340	0.174	0.362	0.148	0.001	0.110	0.63	0.65	0.76	0.61
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.481	0.055	0.030	0.062	0.027	0.001	0.001	0.54	0.54	0.54	0.54
FR1 n5 Ant 1	Front	0.108	0.140	0.071	0.158	0.061	0.085	0.024	0.25	0.35	0.29	0.24
	Back	0.531	0.133	0.066	0.063	0.028	0.069	0.001	0.66	0.66	0.60	0.63
	Left side	0.257	0.365	0.185	0.368	0.181	0.132	0.001	0.62	0.76	0.63	0.62
	Right side	0.013	0.340	0.174	0.362	0.148	0.001	0.110	0.35	0.38	0.49	0.34
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.333	0.055	0.030	0.062	0.027	0.001	0.001	0.39	0.40	0.40	0.39
FR1 n66 Ant 0	Front	0.001	0.140	0.071	0.158	0.061	0.085	0.024	0.14	0.24	0.18	0.13
	Back	0.293	0.133	0.066	0.063	0.028	0.069	0.001	0.43	0.43	0.36	0.39
	Left side	0.001	0.365	0.185	0.368	0.181	0.132	0.001	0.37	0.50	0.37	0.37
	Right side	0.092	0.340	0.174	0.362	0.148	0.001	0.110	0.43	0.46	0.56	0.41
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.346	0.055	0.030	0.062	0.027	0.001	0.001	0.40	0.41	0.41	0.40
FR1 n66 Ant 1	Front	0.168	0.140	0.071	0.158	0.061	0.085	0.024	0.31	0.41	0.35	0.30
	Back	0.633	0.133	0.066	0.063	0.028	0.069	0.001	0.77	0.77	0.70	0.73
	Left side	0.429	0.365	0.185	0.368	0.181	0.132	0.001	0.79	0.93	0.80	0.80
	Right side	0.069	0.340	0.174	0.362	0.148	0.001	0.110	0.41	0.43	0.54	0.39
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.986	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
FR1 n66 Ant 2	Front	0.516	0.140	0.071	0.158	0.061	0.085	0.024	0.66	0.76	0.70	0.65
	Back	0.515	0.133	0.066	0.063	0.028	0.069	0.001	0.65	0.65	0.58	0.61
	Left side	0.180	0.365	0.185	0.368	0.181	0.132	0.001	0.55	0.68	0.55	0.55
	Right side	0.036	0.340	0.174	0.362	0.148	0.001	0.110	0.38	0.40	0.51	0.36
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.776	0.055	0.030	0.062	0.027	0.001	0.001	0.83	0.84	0.84	0.83
FR1 n66 Ant 3	Front	0.755	0.140	0.071	0.158	0.061	0.085	0.024	0.90	1.00	0.94	0.89
	Back	0.311	0.133	0.066	0.063	0.028	0.069	0.001	0.44	0.44	0.38	0.41
	Left side	0.142	0.365	0.185	0.368	0.181	0.132	0.001	0.51	0.64	0.51	0.51
	Right side	0.639	0.340	0.174	0.362	0.148	0.001	0.110	0.98	1.00	1.11	0.96
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.978	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.04
FR1 n7 Ant 0	Front	0.084	0.140	0.071	0.158	0.061	0.085	0.024	0.22	0.33	0.27	0.22
	Back	0.973	0.133	0.066	0.063	0.028	0.069	0.001	1.11	1.11	1.04	1.07
	Left side	0.044	0.365	0.185	0.368	0.181	0.132	0.001	0.41	0.54	0.41	0.41
	Right side	0.479	0.340	0.174	0.362	0.148	0.001	0.110	0.82	0.84	0.95	0.80
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.885	0.055	0.030	0.062	0.027	0.001	0.001	0.94	0.95	0.95	0.94
FR1 n7 Ant 1	Front	0.257	0.140	0.071	0.158	0.061	0.085	0.024	0.40	0.50	0.44	0.39
	Back	0.932	0.133	0.066	0.063	0.028	0.069	0.001	1.07	1.06	1.00	1.03
	Left side	0.231	0.365	0.185	0.368	0.181	0.132	0.001	0.60	0.73	0.60	0.60
	Right side	0.027	0.340	0.174	0.362	0.148	0.001	0.110	0.37	0.39	0.50	0.35
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.985	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
FR1 n7 Ant 2	Front	0.493	0.140	0.071	0.158	0.061	0.085	0.024	0.63	0.74	0.68	0.63
	Back	0.169	0.133	0.066	0.063	0.028	0.069	0.001	0.30	0.30	0.23	0.26
	Left side	0.224	0.365	0.185	0.368	0.181	0.132	0.001	0.59	0.72	0.59	0.59
	Right side	0.016	0.340	0.174	0.362	0.148	0.001	0.110	0.36	0.38	0.49	0.34
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side											





FR1 n7 Ant 3	Bottom side	0.972	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.03
	Front	0.702	0.140	0.071	0.158	0.061	0.085	0.024	0.84	0.95	0.88	0.83
	Back	0.213	0.133	0.066	0.063	0.028	0.069	0.001	0.35	0.35	0.28	0.31
	Left side	0.143	0.365	0.185	0.368	0.181	0.132	0.001	0.51	0.64	0.51	0.51
	Right side	0.261	0.340	0.174	0.362	0.148	0.001	0.110	0.60	0.62	0.73	0.58
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.987	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
FR1 n41 Ant 0	Front	0.075	0.140	0.071	0.158	0.061	0.085	0.024	0.22	0.32	0.26	0.21
	Back	0.879	0.133	0.066	0.063	0.028	0.069	0.001	1.01	1.01	0.94	0.97
	Left side	0.036	0.365	0.185	0.368	0.181	0.132	0.001	0.40	0.54	0.41	0.40
	Right side	0.614	0.340	0.174	0.362	0.148	0.001	0.110	0.95	0.98	1.09	0.94
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.964	0.055	0.030	0.062	0.027	0.001	0.001	1.02	1.03	1.03	1.02
	FR1 n41 Ant 1	Front	0.165	0.140	0.071	0.158	0.061	0.085	0.024	0.31	0.41	0.35
Back		0.832	0.133	0.066	0.063	0.028	0.069	0.001	0.97	0.96	0.90	0.93
Left side		0.238	0.365	0.185	0.368	0.181	0.132	0.001	0.60	0.74	0.61	0.60
Right side		0.035	0.340	0.174	0.362	0.148	0.001	0.110	0.38	0.40	0.51	0.36
Top side			0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
Bottom side		0.975	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.03
FR1 n41 Ant 2	Front	0.613	0.140	0.071	0.158	0.061	0.085	0.024	0.75	0.86	0.80	0.75
	Back	0.261	0.133	0.066	0.063	0.028	0.069	0.001	0.39	0.39	0.33	0.36
	Left side	0.241	0.365	0.185	0.368	0.181	0.132	0.001	0.61	0.74	0.61	0.61
	Right side	0.020	0.340	0.174	0.362	0.148	0.001	0.110	0.36	0.38	0.49	0.34
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.990	0.055	0.030	0.062	0.027	0.001	0.001	1.05	1.05	1.05	1.05
FR1 n41 Ant 3	Front	0.965	0.140	0.071	0.158	0.061	0.085	0.024	1.11	1.21	1.15	1.10
	Back	0.274	0.133	0.066	0.063	0.028	0.069	0.001	0.41	0.41	0.34	0.37
	Left side	0.093	0.365	0.185	0.368	0.181	0.132	0.001	0.46	0.59	0.46	0.46
	Right side	0.283	0.340	0.174	0.362	0.148	0.001	0.110	0.62	0.65	0.76	0.61
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.984	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
FR1 n77 Part27O Ant 0	Front	0.095	0.140	0.071	0.158	0.061	0.085	0.024	0.24	0.34	0.28	0.23
	Back	0.269	0.133	0.066	0.063	0.028	0.069	0.001	0.40	0.40	0.33	0.36
	Left side	0.065	0.365	0.185	0.368	0.181	0.132	0.001	0.43	0.57	0.43	0.43
	Right side	0.107	0.340	0.174	0.362	0.148	0.001	0.110	0.45	0.47	0.58	0.43
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.268	0.055	0.030	0.062	0.027	0.001	0.001	0.32	0.33	0.33	0.33
FR1 n77 Part27O Ant 1	Front	0.162	0.140	0.071	0.158	0.061	0.085	0.024	0.30	0.41	0.34	0.29
	Back	0.539	0.133	0.066	0.063	0.028	0.069	0.001	0.67	0.67	0.60	0.63
	Left side	0.287	0.365	0.185	0.368	0.181	0.132	0.001	0.65	0.79	0.66	0.65
	Right side	0.130	0.340	0.174	0.362	0.148	0.001	0.110	0.47	0.49	0.60	0.45
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.975	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.03
FR1 n77 Part27O Ant 2	Front	0.630	0.140	0.071	0.158	0.061	0.085	0.024	0.77	0.87	0.81	0.76
	Back	0.073	0.133	0.066	0.063	0.028	0.069	0.001	0.21	0.21	0.14	0.17
	Left side	0.134	0.365	0.185	0.368	0.181	0.132	0.001	0.50	0.63	0.50	0.50
	Right side	0.039	0.340	0.174	0.362	0.148	0.001	0.110	0.38	0.40	0.51	0.36
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.982	0.055	0.030	0.062	0.027	0.001	0.001	1.04	1.05	1.05	1.04
FR1 n77 Part27O Ant 3	Front	0.596	0.140	0.071	0.158	0.061	0.085	0.024	0.74	0.84	0.78	0.73
	Back	0.031	0.133	0.066	0.063	0.028	0.069	0.001	0.16	0.16	0.10	0.13
	Left side	0.015	0.365	0.185	0.368	0.181	0.132	0.001	0.38	0.52	0.38	0.38
	Right side	0.143	0.340	0.174	0.362	0.148	0.001	0.110	0.48	0.51	0.62	0.47
	Top side		0.001	0.001	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00
	Bottom side	0.975	0.055	0.030	0.062	0.027	0.001	0.001	1.03	1.04	1.04	1.03



17.4 Body-Worn Accessory Exposure Conditions

<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+6+8	1+6+9	1+8+10	1+9+10	2+5	2+10	1+4+7	1+4+10	1+3
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+5 DBS only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+5 WWAN+ DBS 1g SAR (W/kg)	WLAN 5GHz Ant 4+5 DBS only 1g SAR (W/kg)	WLAN 5GHz Ant 4+5 WWAN+ non DBS 1g SAR (W/kg)	WLAN 5GHz Ant 4+5 WWAN+ DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	WLAN6GHz Ant 4+5 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850 Ant 0	Front	0.458	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.93	0.89	0.71	0.67	1.55	0.92	0.82	0.79	0.81
	Back	0.775	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.99	0.96	0.99	0.96	1.09	0.61	1.04	1.05	0.92
GSM850 Ant 1	Front	0.403	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.87	0.83	0.65	0.61	1.55	0.92	0.76	0.74	0.75
	Back	0.736	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.95	0.92	0.95	0.92	1.09	0.61	1.00	1.01	0.88
GSM1900 Ant 0	Front	0.402	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.87	0.83	0.65	0.61	1.55	0.92	0.76	0.73	0.75
	Back	0.594	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.80	0.78	0.81	0.78	1.09	0.61	0.86	0.87	0.74
GSM1900 Ant 1	Front	0.449	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.92	0.88	0.70	0.66	1.55	0.92	0.81	0.78	0.80
	Back	1.077	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.29	1.26	1.29	1.26	1.09	0.61	1.34	1.35	1.22
GSM1900 Ant 2	Front	0.697	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.17	1.13	0.94	0.91	1.55	0.92	1.06	1.03	1.05
	Back	0.754	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.96	0.94	0.97	0.94	1.09	0.61	1.02	1.03	0.90
GSM1900 Ant 3	Front	0.733	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.20	1.16	0.98	0.94	1.55	0.92	1.09	1.07	1.08
	Back	0.975	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.19	1.16	1.19	1.16	1.09	0.61	1.24	1.25	1.12
WCDMA V Ant 0	Front	0.419	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.89	0.85	0.67	0.63	1.55	0.92	0.78	0.75	0.77
	Back	0.619	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.83	0.80	0.83	0.80	1.09	0.61	0.89	0.89	0.77
WCDMA V Ant 1	Front	0.426	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.90	0.86	0.67	0.64	1.55	0.92	0.79	0.76	0.78
	Back	0.668	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.88	0.85	0.88	0.85	1.09	0.61	0.94	0.94	0.82
WCDMA IV Ant 0	Front	0.870	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.34	1.30	1.12	1.08	1.55	0.92	1.23	1.20	1.22
	Back	1.252	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.47	1.44	1.09	0.61	1.52	1.53	1.40
WCDMA IV Ant 1	Front	0.798	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.27	1.23	1.05	1.01	1.55	0.92	1.16	1.13	1.15
	Back	1.236	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.45	1.42	1.45	1.42	1.09	0.61	1.50	1.51	1.38
WCDMA IV Ant 2	Front	0.765	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.23	1.20	1.01	0.97	1.55	0.92	1.13	1.10	1.12
	Back	0.808	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.02	0.99	1.02	0.99	1.09	0.61	1.08	1.08	0.96
WCDMA IV Ant 3	Front	0.879	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.35	1.31	1.13	1.09	1.55	0.92	1.24	1.21	1.23
	Back	1.244	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.45	1.43	1.46	1.43	1.09	0.61	1.51	1.52	1.39
WCDMA II Ant 2	Front	0.979	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.45	1.41	1.23	1.19	1.55	0.92	1.34	1.31	1.33
	Back	1.257	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.47	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40
WCDMA II Ant 3	Front	0.729	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.20	1.16	0.98	0.94	1.55	0.92	1.09	1.06	1.08
	Back	1.240	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.45	1.42	1.45	1.43	1.09	0.61	1.51	1.52	1.39
LTE Band 12 Ant 0	Front	0.443	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.91	0.87	0.69	0.65	1.55	0.92	0.80	0.78	0.79
	Back	0.674	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.88	0.86	0.89	0.86	1.09	0.61	0.94	0.95	0.82
LTE Band 12 Ant 1	Front	0.310	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.78	0.74	0.56	0.52	1.55	0.92	0.67	0.64	0.66
	Back	0.540	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.75	0.72	0.75	0.73	1.09	0.61	0.81	0.82	0.69
LTE Band 13 Ant 0	Front	0.331	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.80	0.76	0.58	0.54	1.55	0.92	0.69	0.66	0.68
	Back	0.528	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.74	0.71	0.74	0.71	1.09	0.61	0.80	0.80	0.68
LTE Band 13 Ant 1	Front	0.390	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.86	0.82	0.64	0.60	1.55	0.92	0.75	0.72	0.74
	Back	0.646	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.86	0.83	0.86	0.83	1.09	0.61	0.91	0.92	0.79
LTE Band 26 Ant 0	Front	0.600	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.07	1.03	0.85	0.81	1.55	0.92	0.96	0.93	0.95
	Back	0.954	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.16	1.14	1.17	1.14	1.09	0.61	1.22	1.23	1.10
LTE Band 26 Ant 1	Front	0.285	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.75	0.72	0.53	0.49	1.55	0.92	0.65	0.62	0.64
	Back	0.556	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.77	0.74	0.77	0.74	1.09	0.61	0.82	0.83	0.70
LTE Band 66 Ant 0	Front	0.636	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.11	1.07	0.88	0.85	1.55	0.92	1.00	0.97	0.99
	Back	1.133	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.34	1.32	1.35	1.32	1.09	0.61	1.40	1.41	1.28
LTE Band 66 Ant 1	Front	0.863	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.33	1.29	1.11	1.07	1.55	0.92	1.22	1.20	1.21
	Back	1.231	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.44	1.41	1.44	1.42	1.09	0.61	1.50	1.51	1.38
LTE Band 66 Ant 2	Front	0.460	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.93	0.89	0.71	0.67	1.55	0.92	0.82	0.79	0.81
	Back	0.726	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.94	0.91	0.94	0.91	1.09	0.61	0.99	1.00	0.87
LTE Band	Front	0.885	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.35	1.32	1.13	1.09	1.55	0.92	1.25	1.22	1.24



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

66 Ant 3	Back	1.219	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.43	1.40	1.43	1.40	1.09	0.61	1.49	1.49	1.37
LTE Band 25 Ant 2	Front	0.563	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.03	0.99	0.81	0.77	1.55	0.92	0.92	0.90	0.91
	Back	1.042	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.25	1.22	1.26	1.23	1.09	0.61	1.31	1.32	1.19
LTE Band 25 Ant 3	Front	0.886	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.36	1.32	1.13	1.10	1.55	0.92	1.25	1.22	1.24
	Back	1.231	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.44	1.41	1.44	1.42	1.09	0.61	1.50	1.51	1.38
LTE Band 7 Ant 0	Front	0.743	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.21	1.17	0.99	0.95	1.55	0.92	1.10	1.08	1.09
	Back	1.242	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.45	1.42	1.46	1.43	1.09	0.61	1.51	1.52	1.39

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+6+8	1+6+9	1+8+10	1+9+10	2+5	2+10	1+4+7	1+4+10	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+non DBS	WLAN 2.4GHz Ant 4+5 WWAN+DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+non DBS	WLAN 5GHz Ant 4+5 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN6GHz Ant 4+5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 1	Front	0.918	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.39	1.35	1.17	1.13	1.55	0.92	1.28	1.25	1.27	
	Back	1.246	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.46	1.43	1.09	0.61	1.51	1.52	1.39	
LTE Band 7 Ant 2	Front	0.975	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.44	1.41	1.22	1.18	1.55	0.92	1.34	1.31	1.33	
	Back	0.975	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.19	1.16	1.19	1.16	1.09	0.61	1.24	1.25	1.12	
LTE Band 7 Ant 3	Front	0.839	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.31	1.27	1.09	1.05	1.55	0.92	1.20	1.17	1.19	
	Back	0.987	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.20	1.17	1.20	1.17	1.09	0.61	1.25	1.26	1.13	
LTE Band 41 Ant 0	Front	0.347	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.82	0.78	0.59	0.56	1.55	0.92	0.71	0.68	0.70	
	Back	0.780	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.99	0.96	0.99	0.97	1.09	0.61	1.05	1.06	0.93	
LTE Band 41 Ant 1	Front	0.566	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.04	1.00	0.81	0.78	1.55	0.92	0.93	0.90	0.92	
	Back	1.246	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.46	1.43	1.09	0.61	1.51	1.52	1.39	
LTE Band 41 Ant 2	Front	0.696	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.17	1.13	0.94	0.91	1.55	0.92	1.06	1.03	1.05	
	Back	0.992	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.20	1.17	1.21	1.18	1.09	0.61	1.26	1.27	1.14	
LTE Band 41 Ant 3	Front	0.559	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.03	0.99	0.81	0.77	1.55	0.92	0.92	0.89	0.91	
	Back	0.948	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.16	1.13	1.16	1.13	1.09	0.61	1.22	1.22	1.10	
LTE Band 42 Part27Q Ant 0	Front	0.234	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.70	0.67	0.48	0.44	1.55	0.92	0.60	0.57	0.59	
	Back	0.268	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.48	0.45	0.48	0.45	1.09	0.61	0.54	0.54	0.42	
LTE Band 42 Part27Q Ant 1	Front	0.289	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.76	0.72	0.54	0.50	1.55	0.92	0.65	0.62	0.64	
	Back	0.474	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.68	0.66	0.69	0.66	1.09	0.61	0.74	0.75	0.62	
LTE Band 42 Part27Q Ant 2	Front	0.593	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.06	1.02	0.84	0.80	1.55	0.92	0.95	0.93	0.94	
	Back	1.180	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.39	1.36	1.39	1.37	1.09	0.61	1.45	1.46	1.33	
LTE Band 42 Part27Q Ant 3	Front	0.636	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.11	1.07	0.88	0.85	1.55	0.92	1.00	0.97	0.99	
	Back	1.249	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.46	1.43	1.09	0.61	1.52	1.52	1.40	
LTE Band 48 Ant 0	Front	0.053	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.52	0.48	0.30	0.26	1.55	0.92	0.41	0.39	0.40	
	Back	0.191	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.40	0.37	0.40	0.38	1.09	0.61	0.46	0.47	0.34	
LTE Band 48 Ant 1	Front	0.283	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.75	0.71	0.53	0.49	1.55	0.92	0.64	0.62	0.63	
	Back	0.410	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.62	0.59	0.62	0.60	1.09	0.61	0.68	0.69	0.56	
LTE Band 48 Ant 2	Front	0.944	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.41	1.38	1.19	1.15	1.55	0.92	1.31	1.28	1.30	
	Back	1.250	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.46	1.44	1.09	0.61	1.52	1.53	1.40	
LTE Band 48 Ant 3	Front	0.895	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.36	1.33	1.14	1.10	1.55	0.92	1.26	1.23	1.25	
	Back	1.245	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.46	1.43	1.09	0.61	1.51	1.52	1.39	



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+6+8	1+6+9	1+8+10	1+9+10	2+5	2+10	1+4+7	1+4+10	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS	WLAN 2.4GHz Ant 4+5 WWAN+ DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+ non DBS	WLAN 5GHz Ant 4+5 WWAN+ DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN6GHz Ant 4+5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n5 Ant 0	Front	0.383	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.85	0.81	0.63	0.59	1.55	0.92	0.74	0.72	0.73	
	Back	0.697	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.91	0.88	0.91	0.88	1.09	0.61	0.96	0.97	0.84	
FR1 n5 Ant 1	Front	0.338	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.81	0.77	0.59	0.55	1.55	0.92	0.70	0.67	0.69	
	Back	0.550	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.76	0.73	0.76	0.74	1.09	0.61	0.82	0.83	0.70	
FR1 n66 Ant 0	Front	0.245	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.71	0.68	0.49	0.45	1.55	0.92	0.61	0.58	0.60	
	Back	0.443	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.65	0.63	0.66	0.63	1.09	0.61	0.71	0.72	0.59	
FR1 n66 Ant 1	Front	0.879	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.35	1.31	1.13	1.09	1.55	0.92	1.24	1.21	1.23	
	Back	1.255	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.47	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40	
FR1 n66 Ant 2	Front	0.612	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.08	1.04	0.86	0.82	1.55	0.92	0.97	0.94	0.96	
	Back	0.839	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.05	1.02	1.05	1.02	1.09	0.61	1.11	1.11	0.99	
FR1 n66 Ant 3	Front	0.780	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.25	1.21	1.03	0.99	1.55	0.92	1.14	1.11	1.13	
	Back	1.254	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40	
FR1 n7 Ant 0	Front	0.944	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.41	1.38	1.19	1.15	1.55	0.92	1.31	1.28	1.30	
	Back	1.217	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.43	1.40	1.43	1.40	1.09	0.61	1.48	1.49	1.36	
FR1 n7 Ant 1	Front	0.496	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.97	0.93	0.74	0.71	1.55	0.92	0.86	0.83	0.85	
	Back	1.250	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.43	1.46	1.44	1.09	0.61	1.52	1.53	1.40	
FR1 n7 Ant 2	Front	1.037	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.51	1.47	1.28	1.25	1.55	0.92	1.40	1.37	1.39	
	Back	1.255	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.47	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40	
FR1 n7 Ant 3	Front	0.765	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.23	1.20	1.01	0.97	1.55	0.92	1.13	1.10	1.12	
	Back	0.985	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.20	1.17	1.20	1.17	1.09	0.61	1.25	1.26	1.13	
FR1 n41 Ant 0	Front	0.712	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.18	1.14	0.96	0.92	1.55	0.92	1.07	1.04	1.06	
	Back	1.092	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.30	1.27	1.31	1.28	1.09	0.61	1.36	1.37	1.24	
FR1 n41 Ant 1	Front	0.716	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.19	1.15	0.96	0.93	1.55	0.92	1.08	1.05	1.07	
	Back	1.253	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40	
FR1 n41 Ant 2	Front	0.637	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.11	1.07	0.88	0.85	1.55	0.92	1.00	0.97	0.99	
	Back	0.637	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.85	0.82	0.85	0.82	1.09	0.61	0.90	0.91	0.78	
FR1 n41 Ant 3	Front	0.991	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.46	1.42	1.24	1.20	1.55	0.92	1.35	1.32	1.34	
	Back	0.991	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.20	1.17	1.20	1.18	1.09	0.61	1.26	1.27	1.14	
FR1 n77_Part270 Ant 0	Front	0.234	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.70	0.67	0.48	0.44	1.55	0.92	0.60	0.57	0.59	
	Back	0.298	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.51	0.48	0.51	0.48	1.09	0.61	0.57	0.57	0.45	
FR1 n77_Part270 Ant 1	Front	0.320	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	0.79	0.75	0.57	0.53	1.55	0.92	0.68	0.65	0.67	
	Back	0.416	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	0.63	0.60	0.63	0.60	1.09	0.61	0.68	0.69	0.56	
FR1 n77_Part270 Ant 2	Front	1.016	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.49	1.45	1.26	1.23	1.55	0.92	1.38	1.35	1.37	
	Back	1.253	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40	
FR1 n77_Part270 Ant 3	Front	0.998	0.765	0.351	0.176	0.781	0.378	0.185	0.091	0.053	0.156	1.47	1.43	1.25	1.21	1.55	0.92	1.36	1.33	1.35	
	Back	1.254	0.468	0.147	0.137	0.620	0.135	0.130	0.075	0.047	0.138	1.46	1.44	1.47	1.44	1.09	0.61	1.52	1.53	1.40	



<Sensor Off>

WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz Ant 4+5	WLAN5GHz Ant 4+5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA IV Ant 0	Front	0.283	0.484	0.194	0.96
	Back	0.332	0.432	0.145	0.91
WCDMA IV Ant 1	Front	0.335	0.484	0.194	1.01
	Back	0.356	0.432	0.145	0.93
FR1 n66 Ant 1	Front	0.256	0.484	0.194	0.93
	Back	0.262	0.432	0.145	0.84
LTE Band 66 Ant 1	Front	0.335	0.484	0.194	1.01
	Back	0.342	0.432	0.145	0.92
WCDMA IV Ant 3	Front	0.364	0.484	0.194	1.04
	Back	0.313	0.432	0.145	0.89
FR1 n66 Ant 3	Front	0.312	0.484	0.194	0.99
	Back	0.395	0.432	0.145	0.97
LTE Band 66 Ant 3	Front	0.356	0.484	0.194	1.03
	Back	0.458	0.432	0.145	1.04
WCDMA II Ant 2	Front	0.258	0.484	0.194	0.94
	Back	0.219	0.432	0.145	0.80
LTE Band 25 Ant 2	Front	0.303	0.484	0.194	0.98
	Back	0.172	0.432	0.145	0.75
GSM1900 Ant 3	Front	0.514	0.484	0.194	1.19
	Back	0.528	0.432	0.145	1.11
WCDMA II Ant 3	Front	0.409	0.484	0.194	1.09
	Back	0.387	0.432	0.145	0.96
LTE Band 25 Ant 3	Front	0.466	0.484	0.194	1.14
	Back	0.431	0.432	0.145	1.01
LTE Band 7 Ant 0	Front	0.282	0.484	0.194	0.96
	Back	0.318	0.432	0.145	0.90
FR1 n7 Ant 0	Front	0.196	0.484	0.194	0.87
	Back	0.206	0.432	0.145	0.78
FR1 n41 Ant 0	Front	0.180	0.484	0.194	0.86
	Back	0.202	0.432	0.145	0.78
LTE Band 7 Ant 1	Front	0.293	0.484	0.194	0.97
	Back	0.395	0.432	0.145	0.97
LTE Band 41 Ant 1	Front	0.147	0.484	0.194	0.83
	Back	0.218	0.432	0.145	0.80
FR1 n7 Ant 1	Front	0.310	0.484	0.194	0.99
	Back	0.349	0.432	0.145	0.93
FR1 n41 Ant 1	Front	0.271	0.484	0.194	0.95
	Back	0.293	0.432	0.145	0.87
LTE Band 7 Ant 2	Front	0.693	0.484	0.194	1.37
	Back	0.798	0.432	0.145	1.38
LTE Band 41 Ant 2	Front	0.604	0.484	0.194	1.28
	Back	0.398	0.432	0.145	0.98
FR1 n7 Ant 2	Front	0.765	0.484	0.194	1.44
	Back	0.710	0.432	0.145	1.29
FR1 n41 Ant 2	Front	0.632	0.484	0.194	1.31
	Back	0.647	0.432	0.145	1.22
LTE Band 7 Ant 3	Front	0.393	0.484	0.194	1.07
	Back	0.317	0.432	0.145	0.89
FR1 n7 Ant 3	Front	0.337	0.484	0.194	1.02
	Back	0.284	0.432	0.145	0.86
FR1 n41 Ant 3	Front	0.399	0.484	0.194	1.08
	Back	0.319	0.432	0.145	0.90
LTE Band 42 Part27Q Ant 2	Front	0.579	0.484	0.194	1.26
	Back	0.724	0.432	0.145	1.30





WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz Ant 4+5	WLAN5GHz Ant 4+5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 48 Ant 2	Front	0.567	0.484	0.194	1.25
	Back	0.711	0.432	0.145	1.29
LTE Band 42 Part27Q Ant 3	Front	0.335	0.484	0.194	1.01
	Back	0.328	0.432	0.145	0.91
LTE Band 48 Ant 3	Front	0.358	0.484	0.194	1.04
	Back	0.368	0.432	0.145	0.95
FR1 n77_Part27O Ant 2	Front	0.461	0.484	0.194	1.14
	Back	0.436	0.432	0.145	1.01
FR1 n77_Part27O Ant 3	Front	0.661	0.484	0.194	1.34
	Back	0.514	0.432	0.145	1.09
LTE Band 41 Ant 3	Front	0.319	0.484	0.194	1.00
	Back	0.317	0.432	0.145	0.89



<Flip Close >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+6+8	1+6+9	1+8+10	1+9+10	2+5	2+10	1+4+7	1+4+10	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS	WLAN 2.4GHz Ant 4+5 DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+ non DBS	WLAN 5GHz Ant 4+5 DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN6GHz Ant 4+5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.056	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.30	0.24	0.30	0.24	0.76	0.60	0.26	0.33	0.32	
	Back	0.749	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.91	0.84	0.88	0.80	0.45	0.36	0.86	0.86	0.87	
GSM850 Ant 1	Front	0.051	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.30	0.24	0.30	0.23	0.76	0.60	0.26	0.32	0.31	
	Back	0.612	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.78	0.70	0.74	0.66	0.45	0.36	0.73	0.72	0.74	
GSM1900 Ant 0	Front	0.101	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.35	0.29	0.35	0.28	0.76	0.60	0.31	0.37	0.36	
	Back	0.631	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.80	0.72	0.76	0.68	0.45	0.36	0.75	0.74	0.76	
GSM1900 Ant 1	Front	0.165	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.41	0.35	0.41	0.35	0.76	0.60	0.37	0.44	0.43	
	Back	0.529	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.69	0.62	0.66	0.58	0.45	0.36	0.64	0.64	0.65	
GSM1900 Ant 2	Front	0.870	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.12	1.06	1.11	1.05	0.76	0.60	1.08	1.14	1.13	
	Back	0.124	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.29	0.21	0.25	0.17	0.45	0.36	0.24	0.23	0.25	
GSM1900 Ant 3	Front	1.100	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.35	1.29	1.34	1.28	0.76	0.60	1.31	1.37	1.36	
	Back	0.149	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.31	0.24	0.28	0.20	0.45	0.36	0.26	0.26	0.27	
WCDMA V Ant 0	Front	0.067	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.31	0.25	0.31	0.25	0.76	0.60	0.28	0.34	0.33	
	Back	0.574	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.74	0.66	0.70	0.62	0.45	0.36	0.69	0.68	0.70	
WCDMA V Ant 1	Front	0.125	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.37	0.31	0.37	0.31	0.76	0.60	0.33	0.40	0.39	
	Back	0.596	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.76	0.68	0.72	0.64	0.45	0.36	0.71	0.70	0.72	
WCDMA IV Ant 0	Front	0.067	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.31	0.25	0.31	0.25	0.76	0.60	0.28	0.34	0.33	
	Back	0.994	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.16	1.08	1.12	1.04	0.45	0.36	1.11	1.10	1.12	
WCDMA IV Ant 1	Front	0.151	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.40	0.34	0.40	0.33	0.76	0.60	0.36	0.42	0.41	
	Back	0.976	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.14	1.06	1.10	1.02	0.45	0.36	1.09	1.08	1.10	
WCDMA IV Ant 2	Front	0.829	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.08	1.02	1.07	1.01	0.76	0.60	1.04	1.10	1.09	
	Back	0.233	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.40	0.32	0.36	0.28	0.45	0.36	0.35	0.34	0.36	
WCDMA IV Ant 3	Front	0.950	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.20	1.14	1.19	1.13	0.76	0.60	1.16	1.22	1.21	
	Back	0.393	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.56	0.48	0.52	0.44	0.45	0.36	0.51	0.50	0.52	
WCDMA II Ant 2	Front	1.180	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.43	1.37	1.42	1.36	0.76	0.60	1.39	1.45	1.44	
	Back	0.294	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.46	0.38	0.42	0.34	0.45	0.36	0.41	0.40	0.42	
WCDMA II Ant 3	Front	0.994	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.24	1.18	1.24	1.18	0.76	0.60	1.20	1.27	1.25	
	Back	0.121	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.29	0.21	0.25	0.17	0.45	0.36	0.24	0.23	0.25	
LTE Band 12 Ant 0	Front	0.001	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.25	0.19	0.25	0.18	0.76	0.60	0.21	0.27	0.26	
	Back	0.403	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.57	0.49	0.53	0.45	0.45	0.36	0.52	0.51	0.53	
LTE Band 12 Ant 1	Front	0.059	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.31	0.25	0.30	0.24	0.76	0.60	0.27	0.33	0.32	
	Back	0.395	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.56	0.48	0.52	0.44	0.45	0.36	0.51	0.50	0.52	
LTE Band 13 Ant 0	Front	0.072	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.32	0.26	0.32	0.26	0.76	0.60	0.28	0.35	0.33	
	Back	0.545	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.71	0.63	0.67	0.59	0.45	0.36	0.66	0.65	0.67	
LTE Band 13 Ant 1	Front	0.081	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.33	0.27	0.33	0.26	0.76	0.60	0.29	0.35	0.34	
	Back	0.590	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.76	0.68	0.72	0.64	0.45	0.36	0.70	0.70	0.71	
LTE Band 26 Ant 0	Front	0.114	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.36	0.30	0.36	0.30	0.76	0.60	0.32	0.39	0.37	
	Back	0.993	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.16	1.08	1.12	1.04	0.45	0.36	1.11	1.10	1.12	
LTE Band 26 Ant 1	Front	0.055	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.30	0.24	0.30	0.24	0.76	0.60	0.26	0.33	0.32	
	Back	0.556	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.72	0.64	0.68	0.60	0.45	0.36	0.67	0.66	0.68	
LTE Band 66 Ant 0	Front	0.080	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.33	0.27	0.32	0.26	0.76	0.60	0.29	0.35	0.34	
	Back	1.228	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.39	1.31	1.35	1.28	0.45	0.36	1.34	1.34	1.35	
LTE Band 66 Ant 1	Front	0.245	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.49	0.43	0.49	0.43	0.76	0.60	0.45	0.52	0.51	
	Back	1.160	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.33	1.25	1.29	1.21	0.45	0.36	1.27	1.27	1.28	
LTE Band 66 Ant 2	Front	0.584	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.83	0.77	0.83	0.77	0.76	0.60	0.79	0.86	0.84	
	Back	0.160	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.33	0.25	0.29	0.21	0.45	0.36	0.27	0.27	0.28	
LTE Band 66 Ant 3	Front	1.245	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.49	1.43	1.49	1.43	0.76	0.60	1.45	1.52	1.51	
	Back	0.355	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.52	0.44	0.48	0.40	0.45	0.36	0.47	0.46	0.48	
LTE Band 25 Ant 2	Front	1.195	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.44	1.38	1.44	1.38	0.76	0.60	1.40	1.47	1.46	
	Back	0.179	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.34	0.27	0.31	0.23	0.45	0.36	0.29	0.29	0.30	



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

LTE Band 25 Ant 3	Front	1.258	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.51	1.44	1.50	1.44	0.76	0.60	1.47	1.53	1.52
	Back	0.190	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.36	0.28	0.32	0.24	0.45	0.36	0.30	0.30	0.31
LTE Band 7 Ant 0	Front	0.092	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.34	0.28	0.34	0.28	0.76	0.60	0.30	0.37	0.35
	Back	1.258	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.42	1.34	1.38	1.31	0.45	0.36	1.37	1.37	1.38

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+6+8	1+6+9	1+8+10	1+9+10	2+5	2+10	1+4+7	1+4+10	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS	WLAN 2.4GHz Ant 4+5 WWAN+ DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+ non DBS	WLAN 5GHz Ant 4+5 WWAN+ DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN6GHz Ant 4+5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 1	Front	0.302	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.55	0.49	0.55	0.49	0.76	0.60	0.51	0.58	0.56	
	Back	1.254	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.42	1.34	1.38	1.30	0.45	0.36	1.37	1.36	1.38	
LTE Band 7 Ant 2	Front	0.974	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.22	1.16	1.22	1.16	0.76	0.60	1.18	1.25	1.23	
	Back	0.498	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.66	0.58	0.62	0.55	0.45	0.36	0.61	0.61	0.62	
LTE Band 7 Ant 3	Front	0.978	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.23	1.16	1.22	1.16	0.76	0.60	1.19	1.25	1.24	
	Back	0.284	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.45	0.37	0.41	0.33	0.45	0.36	0.40	0.39	0.41	
LTE Band 41 Ant 0	Front	0.029	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.28	0.22	0.27	0.21	0.76	0.60	0.24	0.30	0.29	
	Back	1.075	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.24	1.16	1.20	1.12	0.45	0.36	1.19	1.18	1.20	
LTE Band 41 Ant 1	Front	0.133	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.38	0.32	0.38	0.32	0.76	0.60	0.34	0.41	0.39	
	Back	1.007	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.17	1.09	1.13	1.05	0.45	0.36	1.12	1.11	1.13	
LTE Band 41 Ant 2	Front	1.216	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.46	1.40	1.46	1.40	0.76	0.60	1.42	1.49	1.48	
	Back	0.544	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.71	0.63	0.67	0.59	0.45	0.36	0.66	0.65	0.67	
LTE Band 41 Ant 3	Front	1.069	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.32	1.26	1.31	1.25	0.76	0.60	1.28	1.34	1.33	
	Back	0.167	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.33	0.25	0.29	0.21	0.45	0.36	0.28	0.27	0.29	
LTE Band 42 Part27Q Ant 0	Front	0.062	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.31	0.25	0.31	0.25	0.76	0.60	0.27	0.34	0.32	
	Back	0.441	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.61	0.53	0.57	0.49	0.45	0.36	0.56	0.55	0.57	
LTE Band 42 Part27Q Ant 1	Front	0.085	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.33	0.27	0.33	0.27	0.76	0.60	0.29	0.36	0.35	
	Back	0.724	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.89	0.81	0.85	0.77	0.45	0.36	0.84	0.83	0.85	
LTE Band 42 Part27Q Ant 2	Front	1.132	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.38	1.32	1.38	1.32	0.76	0.60	1.34	1.41	1.39	
	Back	0.063	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.23	0.15	0.19	0.11	0.45	0.36	0.18	0.17	0.19	
LTE Band 42 Part27Q Ant 3	Front	1.252	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.50	1.44	1.50	1.44	0.76	0.60	1.46	1.53	1.51	
	Back	0.061	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.23	0.15	0.19	0.11	0.45	0.36	0.18	0.17	0.19	
LTE Band 48 Ant 0	Front	0.179	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.43	0.37	0.42	0.36	0.76	0.60	0.39	0.45	0.44	
	Back	0.194	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.36	0.28	0.32	0.24	0.45	0.36	0.31	0.30	0.32	
LTE Band 48 Ant 1	Front	0.058	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.31	0.24	0.30	0.24	0.76	0.60	0.27	0.33	0.32	
	Back	0.544	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.71	0.63	0.67	0.59	0.45	0.36	0.66	0.65	0.67	
LTE Band 48 Ant 2	Front	1.215	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.46	1.40	1.46	1.40	0.76	0.60	1.42	1.49	1.48	
	Back	0.092	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.26	0.18	0.22	0.14	0.45	0.36	0.21	0.20	0.22	
LTE Band 48 Ant 3	Front	1.262	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.51	1.45	1.51	1.45	0.76	0.60	1.47	1.54	1.52	
	Back	0.063	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.23	0.15	0.19	0.11	0.45	0.36	0.18	0.17	0.19	



**FCC SAR Test Report**

**Report No. : FA2D0913-01**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	1+6+8	1+6+9	1+8+10	1+9+10	2+5	2+10	1+4+7	1+4+10	1+3	
		WWAN	WLAN 2.4GHz Ant 4+5 DBS only	WLAN 2.4GHz Ant 4+5 WWAN+ non DBS	WLAN 2.4GHz Ant 4+5 WWAN+ DBS	WLAN 5GHz Ant 4+5 DBS only	WLAN 5GHz Ant 4+5 WWAN+ non DBS	WLAN 5GHz Ant 4+5 WWAN+ DBS	Bluetooth Ant 4	Bluetooth Ant 5	WLAN6GHz Ant 4+5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n5 Ant 0	Front	0.055	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.30	0.24	0.30	0.24	0.76	0.60	0.26	0.33	0.32	
	Back	0.603	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.77	0.69	0.73	0.65	0.45	0.36	0.72	0.71	0.73	
FR1 n5 Ant 1	Front	0.108	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.36	0.29	0.35	0.29	0.76	0.60	0.32	0.38	0.37	
	Back	0.531	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.70	0.62	0.66	0.58	0.45	0.36	0.65	0.64	0.66	
FR1 n66 Ant 0	Front	0.001	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.25	0.19	0.25	0.18	0.76	0.60	0.21	0.27	0.26	
	Back	0.330	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.50	0.42	0.46	0.38	0.45	0.36	0.44	0.44	0.45	
FR1 n66 Ant 1	Front	0.224	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.47	0.41	0.47	0.41	0.76	0.60	0.43	0.50	0.48	
	Back	0.843	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.01	0.93	0.97	0.89	0.45	0.36	0.96	0.95	0.97	
FR1 n66 Ant 2	Front	0.696	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.94	0.88	0.94	0.88	0.76	0.60	0.90	0.97	0.96	
	Back	0.692	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.86	0.78	0.82	0.74	0.45	0.36	0.81	0.80	0.82	
FR1 n66 Ant 3	Front	0.844	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.09	1.03	1.09	1.03	0.76	0.60	1.05	1.12	1.10	
	Back	0.348	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.51	0.43	0.47	0.40	0.45	0.36	0.46	0.46	0.47	
FR1 n7 Ant 0	Front	0.108	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.36	0.29	0.35	0.29	0.76	0.60	0.32	0.38	0.37	
	Back	0.973	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.14	1.06	1.10	1.02	0.45	0.36	1.09	1.08	1.10	
FR1 n7 Ant 1	Front	0.339	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.59	0.53	0.58	0.52	0.76	0.60	0.55	0.61	0.60	
	Back	1.254	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.42	1.34	1.38	1.30	0.45	0.36	1.37	1.36	1.38	
FR1 n7 Ant 2	Front	1.243	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.49	1.43	1.49	1.43	0.76	0.60	1.45	1.52	1.50	
	Back	0.428	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.59	0.51	0.55	0.48	0.45	0.36	0.54	0.54	0.55	
FR1 n7 Ant 3	Front	1.237	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.48	1.42	1.48	1.42	0.76	0.60	1.45	1.51	1.50	
	Back	0.376	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.54	0.46	0.50	0.42	0.45	0.36	0.49	0.48	0.50	
FR1 n41 Ant 0	Front	0.084	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.33	0.27	0.33	0.27	0.76	0.60	0.29	0.36	0.34	
	Back	1.232	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.40	1.32	1.36	1.28	0.45	0.36	1.35	1.34	1.36	
FR1 n41 Ant 1	Front	0.243	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.49	0.43	0.49	0.43	0.76	0.60	0.45	0.52	0.50	
	Back	1.234	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	1.40	1.32	1.36	1.28	0.45	0.36	1.35	1.34	1.36	
FR1 n41 Ant 2	Front	1.235	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.48	1.42	1.48	1.42	0.76	0.60	1.44	1.51	1.50	
	Back	0.552	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.72	0.64	0.68	0.60	0.45	0.36	0.67	0.66	0.68	
FR1 n41 Ant 3	Front	1.248	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.50	1.43	1.49	1.43	0.76	0.60	1.46	1.52	1.51	
	Back	0.353	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.52	0.44	0.48	0.40	0.45	0.36	0.47	0.46	0.48	
FR1 n77_Part270 Ant 0	Front	0.095	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.34	0.28	0.34	0.28	0.76	0.60	0.30	0.37	0.36	
	Back	0.269	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.43	0.36	0.40	0.32	0.45	0.36	0.38	0.38	0.39	
FR1 n77_Part270 Ant 1	Front	0.123	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	0.37	0.31	0.37	0.31	0.76	0.60	0.33	0.40	0.38	
	Back	0.406	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.57	0.49	0.53	0.45	0.45	0.36	0.52	0.51	0.53	
FR1 n77_Part270 Ant 2	Front	1.232	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.48	1.42	1.48	1.42	0.76	0.60	1.44	1.51	1.49	
	Back	0.141	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.31	0.23	0.27	0.19	0.45	0.36	0.26	0.25	0.27	
FR1 n77_Part270 Ant 3	Front	1.248	0.444	0.260	0.117	0.311	0.159	0.091	0.088	0.027	0.156	1.50	1.43	1.49	1.43	0.76	0.60	1.46	1.52	1.51	
	Back	0.063	0.317	0.124	0.061	0.133	0.085	0.053	0.080	0.001	0.046	0.23	0.15	0.19	0.11	0.45	0.36	0.18	0.17	0.19	



<Sensor Off>

WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz Ant 4+5	WLAN5GHz Ant 4+5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA IV Ant 0	Front	0.039	0.366	0.139	0.54
	Back	0.440	0.271	0.016	0.73
WCDMA IV Ant 1	Front	0.125	0.366	0.139	0.63
	Back	0.390	0.271	0.016	0.68
LTE Band 66 Ant 3	Front	0.689	0.366	0.139	1.19
	Back	0.250	0.271	0.016	0.54
WCDMA II Ant 3	Front	0.765	0.366	0.139	1.27
	Back	0.207	0.271	0.016	0.49
LTE Band 25 Ant 3	Front	1.068	0.366	0.139	1.57
	Back	0.237	0.271	0.016	0.52
LTE Band 7 Ant 0	Front	0.075	0.366	0.139	0.58
	Back	0.490	0.271	0.016	0.78
FR1 n41 Ant 0	Front	0.131	0.366	0.139	0.64
	Back	0.514	0.271	0.016	0.80
LTE Band 7 Ant 1	Front	0.148	0.366	0.139	0.65
	Back	0.445	0.271	0.016	0.73
LTE Band 41 Ant 1	Front	0.226	0.366	0.139	0.73
	Back	0.761	0.271	0.016	1.05
FR1 n7 Ant 1	Front	0.173	0.366	0.139	0.68
	Back	0.454	0.271	0.016	0.74
FR1 n41 Ant 1	Front	0.290	0.366	0.139	0.80
	Back	0.378	0.271	0.016	0.67
LTE Band 7 Ant 2	Front	0.902	0.366	0.139	1.41
	Back	0.199	0.271	0.016	0.49
LTE Band 41 Ant 2	Front	0.589	0.366	0.139	1.09
	Back	0.180	0.271	0.016	0.47
FR1 n7 Ant 2	Front	0.851	0.366	0.139	1.36
	Back	0.285	0.271	0.016	0.57
FR1 n41 Ant 2	Front	0.962	0.366	0.139	1.47
	Back	0.471	0.271	0.016	0.76
FR1 n7 Ant 3	Front	0.544	0.366	0.139	1.05
	Back	0.149	0.271	0.016	0.44
FR1 n41 Ant 3	Front	0.565	0.366	0.139	1.07
	Back	0.160	0.271	0.016	0.45
LTE Band 42 Part27Q Ant 3	Front	0.600	0.366	0.139	1.11
	Back	0.065	0.271	0.016	0.35
LTE Band 48 Ant 3	Front	0.652	0.366	0.139	1.16
	Back	0.091	0.271	0.016	0.38
FR1 n77_Part27O Ant 2	Front	1.067	0.366	0.139	1.57
	Back	0.111	0.271	0.016	0.40
FR1 n77_Part27O Ant 3	Front	1.000	0.366	0.139	1.51
	Back	0.115	0.271	0.016	0.40
LTE Band 66 Ant 0	Front	0.032	0.366	0.139	0.54
	Back	0.372	0.271	0.016	0.66
LTE Band 66 Ant 1	Front	0.124	0.366	0.139	0.63
	Back	0.386	0.271	0.016	0.67
WCDMA IV Ant 2	Front	0.116	0.366	0.139	0.62
	Back	0.374	0.271	0.016	0.66
WCDMA IV Ant 3	Front	0.517	0.366	0.139	1.02
	Back	0.211	0.271	0.016	0.50





WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz Ant 4+5	WLAN5GHz Ant 4+5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA II Ant 2	Front	0.323	0.366	0.139	0.83
	Back	0.237	0.271	0.016	0.52
GSM1900 Ant 3	Front	1.046	0.366	0.139	1.55
	Back	0.328	0.271	0.016	0.62
LTE Band 41 Ant 0	Front	0.103	0.366	0.139	0.61
	Back	0.519	0.271	0.016	0.81
LTE Band 7 Ant 3	Front	0.577	0.366	0.139	1.08
	Back	0.174	0.271	0.016	0.46
LTE Band 41 Ant 3	Front	0.552	0.366	0.139	1.06
	Back	0.173	0.271	0.016	0.46
LTE Band 42 Part27Q Ant 1	Front	0.381	0.366	0.139	0.89
	Back	0.486	0.271	0.016	0.77
LTE Band 48 Ant 1	Front	0.379	0.366	0.139	0.88
	Back	0.498	0.271	0.016	0.79
LTE Band 42 Part27Q Ant 2	Front	0.484	0.366	0.139	0.99
	Back	0.437	0.271	0.016	0.72
LTE Band 48 Ant 2	Front	0.478	0.366	0.139	0.98
	Back	0.428	0.271	0.016	0.72
FR1 n66 Ant 1	Front	0.122	0.366	0.139	0.63
	Back	0.403	0.271	0.016	0.69
FR1 n7 Ant 0	Front	0.108	0.366	0.139	0.61
	Back	0.503	0.271	0.016	0.79
FR1 n77_Part27O Ant 1	Front	0.012	0.366	0.139	0.52
	Back	0.133	0.271	0.016	0.42



17.5 Product specific 10g SAR Exposure Conditions

Remark:

- For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	1+6+9	1+8+9	2+5+9	2+8+9	1+4+7+9	1+4+8+9	1+3+9
		WWAN	WLAN2.4GHz Ant 4+5 DBS only	WLAN2.4GHz Ant 4+5 WWAN+ non DBS	WLAN2.4GHz Ant 4+5 WWAN+DBS	WLAN5GHz Ant 4+5 DBS only	WLAN5GHz Ant 4+5 WWAN+ non DBS	WLAN5GHz Ant 4+5 WWAN+DBS	WLAN6GHz Ant 4+5	NFC	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WCDMA IV Ant 0	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	1.905	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.27	2.23	1.70	1.35	2.33	2.45	2.38
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	1.640									0.001	1.64	1.64	0.00	0.00	1.64	1.64
WCDMA IV Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.063	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.43	2.39	1.70	1.35	2.49	2.61	2.54
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	1.220									0.001	1.22	1.22	0.00	0.00	1.22	1.22
FR1 n66 Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.071	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.43	2.40	1.70	1.35	2.49	2.62	2.55
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	1.202									0.001	1.20	1.20	0.00	0.00	1.20	1.20
LTE Band 66 Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.029	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.39	2.35	1.70	1.35	2.45	2.57	2.51
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	1.309									0.001	1.31	1.31	0.00	0.00	1.31	1.31
WCDMA IV Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.214	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.58	2.54	1.70	1.35	2.64	2.76	2.69
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.341	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	2.75	2.45	1.55	0.87	2.76	2.64	2.73
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n66 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.133	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.50	2.46	1.70	1.35	2.56	2.68	2.61
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.122	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	2.54	2.23	1.55	0.87	2.54	2.43	2.51
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.242	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.60	2.57	1.70	1.35	2.67	2.79	2.72
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.350	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	2.76	2.46	1.55	0.87	2.77	2.65	2.74
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA II Ant 2	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	1.150	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.51	1.47	1.70	1.35	1.57	1.70	1.63
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61



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	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.700	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.11	2.81	1.55	0.87	3.12	3.00	3.09
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 25 Ant 2	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	1.005	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.37	1.33	1.70	1.35	1.43	1.55	1.48
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	1.887	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	2.30	2.00	1.55	0.87	2.30	2.19	2.27
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GSM1900 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	1.272	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.63	1.60	1.70	1.35	1.70	1.82	1.75
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	1.798	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	2.21	1.91	1.55	0.87	2.21	2.10	2.18
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA II Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.288	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.65	2.61	1.70	1.35	2.71	2.83	2.77
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.606	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.02	2.72	1.55	0.87	3.02	2.91	2.99
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 25 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.795	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	3.16	3.12	1.70	1.35	3.22	3.34	3.27
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.138	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.55	3.25	1.55	0.87	3.55	3.44	3.52
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 7 Ant 0	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.430	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.79	2.75	1.70	1.35	2.85	2.98	2.91
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	2.573								0.001	2.57	2.57	0.00	0.00	2.57	2.57	2.57
FR1 n7 Ant 0	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back		1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	0.36	0.32	1.70	1.35	0.42	0.55	0.48
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	3.105								0.001	3.11	3.11	0.00	0.00	3.11	3.11	3.11
FR1 n41 Ant 0	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back		1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	0.36	0.32	1.70	1.35	0.42	0.55	0.48
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	3.112								0.001	3.11	3.11	0.00	0.00	3.11	3.11	3.11
LTE Band 7 Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.808	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	3.17	3.13	1.70	1.35	3.23	3.35	3.29
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	2.310								0.001	2.31	2.31	0.00	0.00	2.31	2.31	2.31
LTE Band 41 Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	1.496	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.86	1.82	1.70	1.35	1.92	2.04	1.97
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39



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	Bottom side	2.387								0.001	2.39	2.39	0.00	0.00	2.39	2.39	2.39
FR1 n7 Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	3.138	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	3.50	3.46	1.70	1.35	3.56	3.68	3.62
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	1.800									0.001	1.80	1.80	0.00	0.00	1.80	1.80
FR1 n41 Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	3.077	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	3.44	3.40	1.70	1.35	3.50	3.62	3.55
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	2.474									0.001	2.48	2.48	0.00	0.00	2.48	2.48
LTE Band 7 Ant 2	Front	1.539	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	1.89	1.84	1.84	1.54	1.99	2.10	2.09
	Back	2.397	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.76	2.72	1.70	1.35	2.82	2.94	2.87
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.079	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.49	3.19	1.55	0.87	3.49	3.38	3.47
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 41 Ant 2	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.347	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.71	2.67	1.70	1.35	2.77	2.89	2.82
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.104	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.52	3.21	1.55	0.87	3.52	3.41	3.49
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n7 Ant 2	Front	2.522	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	2.87	2.82	1.84	1.54	2.97	3.09	3.08
	Back	3.113	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	3.48	3.44	1.70	1.35	3.54	3.66	3.59
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.596	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.01	2.71	1.55	0.87	3.01	2.90	2.98
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n41 Ant 2	Front	2.481	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	2.83	2.78	1.84	1.54	2.93	3.05	3.04
	Back	2.326	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.69	2.65	1.70	1.35	2.75	2.87	2.80
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.115	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.53	3.23	1.55	0.87	3.53	3.42	3.50
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 7 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.350	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.71	2.67	1.70	1.35	2.77	2.90	2.83
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.125	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.54	3.24	1.55	0.87	3.54	3.43	3.51
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 41 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.455	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.82	2.78	1.70	1.35	2.88	3.00	2.93
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n7 Ant 3	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back	2.198	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.56	2.52	1.70	1.35	2.62	2.74	2.68
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.122	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.54	3.23	1.55	0.87	3.54	3.43	3.51
	Bottom side										0.001	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n41	Front	2.390	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	2.74	2.69	1.84	1.54	2.84	2.95	2.95



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Ant 3	Back	2.334	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.70	2.66	1.70	1.35	2.76	2.88	2.81
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.097	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.51	3.21	1.55	0.87	3.51	3.40	3.48
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 42 Part27Q Ant 2	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back		1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	0.36	0.32	1.70	1.35	0.42	0.55	0.48
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.988	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.40	3.10	1.55	0.87	3.40	3.29	3.37
LTE Band 48 Ant 2	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back		1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	0.36	0.32	1.70	1.35	0.42	0.55	0.48
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.938	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.35	3.05	1.55	0.87	3.35	3.24	3.32
LTE Band 42 Part27Q Ant 3	Front	1.090	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	1.44	1.39	1.84	1.54	1.54	1.65	1.65
	Back	1.187	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.55	1.51	1.70	1.35	1.61	1.73	1.66
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.111	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.52	3.22	1.55	0.87	3.53	3.41	3.50
LTE Band 48 Ant 3	Front	1.447	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	1.80	1.74	1.84	1.54	1.90	2.01	2.00
	Back	1.599	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.96	1.92	1.70	1.35	2.02	2.14	2.08
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.143	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.56	3.25	1.55	0.87	3.56	3.45	3.53
Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	1+6+9	1+8+9	2+5+9	2+8+9	1+4+7+9	1+4+8+9	1+3+9
		WWAN	WLAN2.4GHz Ant 4+5 DBS only	WLAN2.4GHz Ant 4+5 WWAN+ non DBS	WLAN2.4GHz Ant 4+5 WWAN+ DBS	WLAN5GHz Ant 4+5 DBS only	WLAN5GHz Ant 4+5 WWAN+ non DBS	WLAN5GHz Ant 4+5 WWAN+DBS	WLAN6GHz Ant 4+5	NFC	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n77_Part27Q Ant 1	Front		1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	0.35	0.30	1.84	1.54	0.45	0.56	0.56
	Back		1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	0.36	0.32	1.70	1.35	0.42	0.55	0.48
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side		0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	0.41	0.11	1.55	0.87	0.42	0.30	0.39
	Bottom side	2.204								0.001	2.21	2.21	0.00	0.00	2.21	2.21	2.21
FR1 n77_Part27Q Ant 2	Front	1.391	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	1.74	1.69	1.84	1.54	1.84	1.96	1.95
	Back	1.468	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	1.83	1.79	1.70	1.35	1.89	2.01	1.95
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	2.993	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.41	3.10	1.55	0.87	3.41	3.30	3.38
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n77_Part27Q Ant 3	Front	2.005	1.239	0.553	0.267	0.602	0.349	0.180	0.295	0.002	2.36	2.30	1.84	1.54	2.45	2.57	2.56
	Back	2.091	1.026	0.458	0.221	0.652	0.343	0.183	0.305	0.019	2.45	2.42	1.70	1.35	2.51	2.64	2.57
	Left side		1.367	0.611	0.295	0.996	0.523	0.281	0.407	0.001	0.52	0.41	2.36	1.78	0.58	0.70	0.61
	Right side		1.786	0.798	0.385	1.190	0.740	0.381	0.539	0.002	0.74	0.54	2.98	2.33	0.77	0.93	0.80
	Top side	3.129	0.760	0.385	0.193	0.784	0.412	0.221	0.109	0.001	3.54	3.24	1.55	0.87	3.54	3.43	3.52
	Bottom side									0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00



## **18. Supplemental tuner tests results**

### **General Note:**

1. This device implements impedance tuner (144 states) antenna tuning techniques in the WCDMA Band V, LTE Band 5/12/13/17/26, 5GNR n5 for ANT0.
2. This device implements impedance tuner (144 states) antenna tuning techniques in the WCDMA Band IV/V, LTE Band 5/7/12/13/17/25/26/38/41/42/43/48, and 5GNR n5/n7/n38/n41 for ANT1.
3. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 2/4/7/25/38/41/66 for ANT2.
4. LTE B17 / B5 / B4 / B2 / B38 / B42 / B43 SAR test was covered by LTE B12 / B26 / B66 / B25 / B41 / B48; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
5. 5GNR n41 SAR test was covered by 5GNR n38; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
6. 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. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
7. 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.
8. To evaluate all of the tuner states, the 144 tuner states for ANT0 is divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
9. According to April 2019 TCB workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
10. According to April 2019 TCB workshop, if any single point SAR measurement result is  $> 1.2$  W/kg for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination. So we verified the single point SAR that bands with SAR value high than 1.2W/kg.
11. 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).
12. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

### **18.1 Supplemental Tuner Head & Body SAR Results**

Please refer to Appendix F.

**Test Engineer** : Martin Li, Varus Wang, Ricky Gu, Light Wang



## **19. Uncertainty Assessment**

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is  $< 1.5$  W/kg and the measured 10-g SAR within a frequency band is  $< 3.75$  W/kg. The expanded SAR measurement uncertainty must be  $\leq 30\%$ , for a confidence interval of  $k = 2$ . If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

## **20. 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 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [10] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [11] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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