



FCC SAR Test Report

Report No. : FA4O3003

	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	DSI3	376500	1882.5	1	18.33	19.30	1.250	-	-	0.03	0.979	1.224
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI3	376500	1882.5	1	18.29	19.30	1.262	-	-	-0.15	0.959	1.210
	FR1 n25_Other PA	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI3	376500	1882.5	1	18.33	19.30	1.250	-	-	0.05	1.010	1.263
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	-	DSI4	376500	1882.5	1	23.33	24.00	1.167	-	-	0.02	0.599	0.699
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	19mm	Ant 0	-	DSI4	376500	1882.5	1	23.33	24.00	1.167	-	-	0.07	0.521	0.608
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	19mm	Ant 0	-	DSI4	376500	1882.5	1	23.25	24.00	1.189	-	-	0.16	0.509	0.605
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI3	376500	1882.5	1	17.29	18.50	1.321	-	-	0.07	0.480	0.634
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI3	376500	1882.5	1	17.23	18.50	1.340	-	-	0	0.557	0.746
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	376500	1882.5	1	17.29	18.50	1.321	-	-	-0.01	0.634	0.838
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	376500	1882.5	1	17.23	18.50	1.340	-	-	0.06	0.658	0.882
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	376500	1882.5	1	17.04	18.50	1.400	-	-	-0.06	0.545	0.763
	FR1 n25_Main PA	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	376500	1882.5	1	17.23	18.50	1.340	-	-	0.02	0.587	0.786
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	-	DSI4	376500	1882.5	1	23.12	24.00	1.225	-	-	0.13	0.379	0.464
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 1	-	DSI4	376500	1882.5	1	23.03	24.00	1.250	-	-	-0.18	0.381	0.476
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	19mm	Ant 1	-	DSI4	376500	1882.5	1	23.12	24.00	1.225	-	-	0.02	0.322	0.394
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	19mm	Ant 1	-	DSI4	376500	1882.5	1	23.03	24.00	1.250	-	-	0.16	0.356	0.445
2300MHz																						
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	27710	2310	1	21.00	22.2	1.318	-	-	-0.08	0.763	1.006
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 9	-	DSI3	27710	2310	1	20.96	22.2	1.330	-	-	0.17	0.636	0.846
	LTE Band 30	10M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	27710	2310	1	20.97	22.2	1.327	-	-	0.18	0.648	0.860
89	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	27710	2310	1	21.00	22.2	1.318	-	-	0.08	0.962	1.268
	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 9	Headset	DSI3	27710	2310	1	21.00	22.2	1.318	-	-	0.01	0.935	1.233
	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 9	-	DSI3	27710	2310	1	20.96	22.2	1.330	-	-	-0.04	0.801	1.066
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	27710	2310	1	20.97	22.2	1.327	-	-	-0.08	0.805	1.069
	LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 9	-	DSI4	27710	2310	1	23.18	24.00	1.208	-	-	-0.03	0.451	0.545
	LTE Band 30	10M	QPSK	1	0	-	Back	19mm	Ant 9	-	DSI4	27710	2310	1	23.18	24.00	1.208	-	-	0.07	0.293	0.354
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	27710	2310	1	15.60	16.60	1.259	-	-	-0.04	0.504	0.634
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	DSI3	27710	2310	1	15.51	16.60	1.285	-	-	-0.09	0.438	0.563
	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	27710	2310	1	15.60	16.60	1.259	-	-	-0.09	0.682	0.859
	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	DSI3	27710	2310	1	15.51	16.60	1.285	-	-	-0.1	0.548	0.704
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	27710	2310	1	15.51	16.60	1.285	-	-	0.18	0.533	0.685
	LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	27710	2310	1	21.71	23.00	1.346	-	-	0	0.449	0.604
	LTE Band 30	10M	QPSK	1	0	-	Back	19mm	Ant 1	-	DSI4	27710	2310	1	21.71	23.00	1.346	-	-	0.01	0.521	0.701
	FR1 n30	10M	QPSK	1	1	-	Front	5mm	Ant 9	-	DSI3	462000	2310	1	21.45	22.50	1.274	-	-	-0.11	0.724	0.922
	FR1 n30	10M	QPSK	25	14	-	Front	5mm	Ant 9	-	DSI3	462000	2310	1	21.42	22.50	1.282	-	-	-0.12	0.714	0.916
	FR1 n30	10M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	462000	2310	1	21.37	22.50	1.297	-	-	0.03	0.724	0.939
	FR1 n30	10M	QPSK	1	1	-	Back	5mm	Ant 9	-	DSI3	462000	2310	1	21.45	22.50	1.274	-	-	-0.16	0.901	1.147
90	FR1 n30	10M	QPSK	25	14	-	Back	5mm	Ant 9	-	DSI3	462000	2310	1	21.42	22.50	1.282	-	-	0.06	0.998	1.280
	FR1 n30	10M	QPSK	25	14	-	Back	5mm	Ant 9	Headset	DSI3	462000	2310	1	21.42	22.50	1.282	-	-	0.02	0.954	1.223
	FR1 n30	10M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	462000	2310	1	21.37	22.50	1.297	-	-	0.15	0.848	1.100
	FR1 n30	10M	QPSK	1	1	-	Front	15mm	Ant 9	-	DSI4	462000	2310	1	23.45	24.00	1.135	-	-	-0.01	0.255	0.289
	FR1 n30	10M	QPSK	25	14	-	Front	15mm	Ant 9	-	DSI4	462000	2310	1	23.40	24.00	1.148	-	-	-0.06	0.243	0.279
	FR1 n30	10M	QPSK	50	0	-	Front	15mm	Ant 9	-	DSI4	462000	2310	1	23.41	24.00	1.146	-	-	-0.04	0.248	0.284
	FR1 n30	10M	QPSK	1	1	-	Back	19mm	Ant 9	-	DSI4	462000	2310	1	23.45	24.00	1.135	-	-	-0.09	0.172	0.195
	FR1 n30	10M	QPSK	25	14	-	Back	19mm	Ant 9	-	DSI4	462000	2310	1	23.40	24.00	1.148	-	-	-0.17	0.189	0.217
	FR1 n30	10M	QPSK	1	1	-	Front	5mm	Ant 1	-	DSI3	462000	2310	1	15.81	16.30	1.119	-	-	-0.17	0.540	0.604
	FR1 n30	10M	QPSK	25	14	-	Front	5mm	Ant 1	-	DSI3	462000	2310	1	15.76	16.30	1.132	-	-	-0.04	0.548	0.621
	FR1 n30	10M	QPSK	1	1	-	Back	5mm	Ant 1	-	DSI3	462000	2310	1	15.81	16.30	1.119	-	-	-0.04	0.785	0.879
	FR1 n30	10M	QPSK	25	14	-	Back	5mm	Ant 1	-	DSI3	462000	2310	1	15.76	16.30	1.132	-	-	0	0.755	0.855
	FR1 n30	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	462000	2310	1	15.74	16.30	1.138	-	-	-0.13	0.587	0.668
	FR1 n30	10M	QPSK	1	1	-	Front	15mm	Ant 1	-	DSI4	462000	2310	1	22.33	24.00	1.469	-	-	-0.1	0.401	0.589
	FR1 n30	10M	QPSK	25	14	-	Front	15mm	Ant 1	-	DSI4	462000	2310	1	22.28	24.00	1.486	-	-	0.18	0.406	0.603
	FR1 n30	10M	QPSK	1	1	-	Back	19mm	Ant 1	-	DSI4	462000	2310	1	22.33	24.00	1.469	-	-	-0.17	0.454	0.667
2600MHz																						
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	21100	2535	1	19.39	20.50	1.291	-	-	-0.15	0.877	1.132
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	20850	2510	1	19.28	20.50	1.324	-	-	0.02	0.800	1.059



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	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	21350	2560	1	19.25	20.50	1.334	-	-	0.07	0.793	1.057
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	21100	2535	1	19.18	20.50	1.355	-	-	0.16	0.736	0.997
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	20850	2510	1	19.02	20.50	1.406	-	-	0.13	0.666	0.936
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	21350	2560	1	19.08	20.50	1.387	-	-	-0.18	0.662	0.918
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 9	-	DSI3	21100	2535	1	19.12	20.50	1.374	-	-	0.02	0.754	1.036
91	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	21100	2535	1	19.39	20.50	1.291	-	-	-0.01	0.997	1.287
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 9	Headset	DSI3	21100	2535	1	19.39	20.50	1.291	-	-	0.02	0.966	1.247
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	20850	2510	1	19.28	20.50	1.324	-	-	0.16	0.835	1.106
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	21350	2560	1	19.25	20.50	1.334	-	-	-0.03	0.828	1.104
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	21100	2535	1	19.18	20.50	1.355	-	-	0.07	0.828	1.122
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	20850	2510	1	19.02	20.50	1.406	-	-	0	0.708	0.995
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	21350	2560	1	19.08	20.50	1.387	-	-	0.01	0.698	0.968
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 9	-	DSI3	21100	2535	1	19.12	20.50	1.374	-	-	-0.01	0.846	1.162
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 9	-	DSI4	21100	2535	1	23.29	24.00	1.178	-	-	-0.04	0.608	0.716
	LTE Band 7	20M	QPSK	1	0	-	Back	19mm	Ant 9	-	DSI4	21100	2535	1	23.29	24.00	1.178	-	-	-0.05	0.372	0.438
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	21100	2535	1	14.65	15.80	1.303	-	-	-0.01	0.430	0.560
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	21100	2535	1	14.57	15.80	1.327	-	-	0.02	0.356	0.473
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	21100	2535	1	14.65	15.80	1.303	-	-	0	0.621	0.809
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	20850	2510	1	14.42	15.80	1.374	-	-	-0.04	0.586	0.805
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	21350	2560	1	14.51	15.80	1.346	-	-	0.03	0.647	0.871
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	21100	2535	1	14.57	15.80	1.327	-	-	-0.15	0.470	0.624
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI3	21100	2535	1	14.52	15.80	1.343	-	-	0.1	0.510	0.685
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	21100	2535	1	21.66	23.00	1.361	-	-	0	0.407	0.554
	LTE Band 7	20M	QPSK	1	0	-	Back	19mm	Ant 1	-	DSI4	21350	2560	1	21.61	23.00	1.377	-	-	-0.13	0.555	0.764
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	40620	2593	1	21.73	22.30	1.140	62.9	1.006	0.17	0.879	1.008
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	39790	2510	1	21.60	22.30	1.175	62.9	1.006	0.06	0.706	0.834
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	39750	2506	1	21.51	22.30	1.199	62.9	1.006	0	0.701	0.846
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	40185	2549.5	1	21.66	22.30	1.159	62.9	1.006	-0.04	0.775	0.903
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	41055	2636.5	1	21.72	22.30	1.143	62.9	1.006	-0.15	0.811	0.932
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	41490	2680	1	21.47	22.30	1.211	62.9	1.006	0.11	0.706	0.860
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	40620	2593	1	21.67	22.30	1.156	62.9	1.006	-0.02	0.665	0.773
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	39790	2510	1	21.48	22.30	1.208	62.9	1.006	0.1	0.602	0.731
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	39750	2506	1	21.41	22.30	1.227	62.9	1.006	0.04	0.591	0.730
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	40185	2549.5	1	21.59	22.30	1.178	62.9	1.006	0.13	0.654	0.775
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	41055	2636.5	1	21.52	22.30	1.197	62.9	1.006	-0.18	0.680	0.819
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	41490	2680	1	21.45	22.30	1.216	62.9	1.006	-0.11	0.570	0.697
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 9	-	DSI3	40620	2593	1	21.60	22.30	1.175	62.9	1.006	-0.16	0.670	0.792
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	40620	2593	1	21.73	22.30	1.140	62.9	1.006	-0.15	0.884	1.014
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	39790	2510	1	21.60	22.30	1.175	62.9	1.006	-0.06	0.827	0.977
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	39750	2506	1	21.51	22.30	1.199	62.9	1.006	-0.14	0.827	0.998
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	40185	2549.5	1	21.66	22.30	1.159	62.9	1.006	-0.19	0.942	1.098
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	41055	2636.5	1	21.72	22.30	1.143	62.9	1.006	-0.07	1.060	1.219
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 9	-	DSI3	41055+41253	2636.5+2656.3	1	21.49	22.30	1.205	62.9	1.006	0.03	0.962	1.166
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	41490	2680	1	21.47	22.30	1.211	62.9	1.006	0.01	0.837	1.019
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	40620	2593	1	21.67	22.30	1.156	62.9	1.006	0.06	0.733	0.853
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	39790	2510	1	21.48	22.30	1.208	62.9	1.006	0.02	0.644	0.782
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	39750	2506	1	21.41	22.30	1.227	62.9	1.006	0.12	0.628	0.775
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	40185	2549.5	1	21.59	22.30	1.178	62.9	1.006	-0.16	0.722	0.855
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	41055	2636.5	1	21.52	22.30	1.197	62.9	1.006	-0.12	0.754	0.908
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	41490	2680	1	21.45	22.30	1.216	62.9	1.006	0.07	0.628	0.768
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 9	-	DSI3	40620	2593	1	21.60	22.30	1.175	62.9	1.006	-0.02	0.712	0.842
92	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	41055	2636.5	1	23.22	23.90	1.169	42.9	1.009	0.08	1.080	1.274
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 9	-	DSI3	41055+41253	2636.5+2656.3	1	23.13	23.90	1.194	42.9	1.009	0.01	0.955	1.151
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 9	Headset	DSI3	41055	2636.5	1	23.22	23.90	1.169	42.9	1.009	0.03	1.020	1.204
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 9	-	DSI4	40620	2593	1	23.12	24.00	1.225	62.9	1.006	0.01	0.418	0.515
	LTE Band 41 PC2	20M	QPSK	1	0	-	Front	15mm	Ant 9	-	DSI4	40620	2593	1	26.14	27.00	1.219	42.9	1.009	-0.01	0.563	0.692



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	LTE Band 41	20M	QPSK	1	0	-	Back	19mm	Ant 9	-	DSI4	41055	2636.5	1	23.06	24.00	1.242	62.9	1.006	0.06	0.221	0.276
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	19mm	Ant 9	-	DSI4	41055	2636.5	1	26.05	27.00	1.245	42.9	1.009	-0.09	0.303	0.380
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3	40620	2593	1	16.70	17.30	1.148	62.9	1.006	0.04	0.459	0.530
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3	40620	2593	1	16.59	17.30	1.178	62.9	1.006	-0.06	0.425	0.503
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	40620	2593	1	16.70	17.30	1.148	62.9	1.006	-0.16	0.607	0.701
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	39790	2510	1	16.49	17.30	1.205	62.9	1.006	-0.12	0.599	0.726
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	39750	2506	1	16.53	17.30	1.194	62.9	1.006	0.07	0.665	0.799
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	40185	2549.5	1	16.52	17.30	1.197	62.9	1.006	-0.02	0.706	0.850
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41055	2636.5	1	16.43	17.30	1.222	62.9	1.006	0.05	0.737	0.906
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	DSI3	41055+41253	2636.5+2656.3	1	16.26	17.30	1.271	62.9	1.006	0.05	0.702	0.897
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41055	2636.5	2	16.43	17.30	1.222	62.9	1.006	0.03	0.654	0.804
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41490	2680	1	16.53	17.30	1.194	62.9	1.006	-0.05	0.667	0.801
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3	40620	2593	1	16.59	17.30	1.178	62.9	1.006	-0.13	0.483	0.572
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI3	40620	2593	1	16.57	17.30	1.183	62.9	1.006	-0.04	0.376	0.447
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3	41055	2636.5	1	17.99	18.90	1.233	42.9	1.009	0.09	0.711	0.885
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	DSI3	41055+41253	2636.5+2656.3	1	17.88	18.90	1.265	42.9	1.009	0.09	0.681	0.869
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	40620	2593	1	22.74	24.00	1.337	62.9	1.006	0.05	0.347	0.467
	LTE Band 41 PC2	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	40620	2593	1	25.82	27.00	1.312	42.9	1.009	-0.02	0.354	0.469
	LTE Band 41	20M	QPSK	1	0	-	Back	19mm	Ant 1	-	DSI4	41055	2636.5	1	22.44	24.00	1.432	62.9	1.006	0.02	0.422	0.608
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	19mm	Ant 1	-	DSI4	41055	2636.5	1	25.72	27.00	1.343	42.9	1.009	0.1	0.563	0.763
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	DSI3	40620	2593	1	20.48	21.80	1.355	62.9	1.006	-0.01	0.446	0.608
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	DSI3	39790	2510	1	20.22	21.80	1.439	62.9	1.006	0	0.425	0.615
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	DSI3	39750	2506	1	20.36	21.80	1.393	62.9	1.006	-0.11	0.423	0.593
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	DSI3	40185	2549.5	1	20.39	21.80	1.384	62.9	1.006	-0.06	0.396	0.551
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	DSI3	41055	2636.5	1	20.41	21.80	1.377	62.9	1.006	-0.15	0.463	0.641
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	DSI3	41490	2680	1	20.31	21.80	1.409	62.9	1.006	0.03	0.332	0.471
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	DSI3	40620	2593	1	20.45	21.80	1.365	62.9	1.006	-0.13	0.362	0.497
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 6	-	DSI3	40620	2593	1	20.47	21.80	1.358	62.9	1.006	0.16	0.366	0.500
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	40620	2593	1	20.48	21.80	1.355	62.9	1.006	-0.05	0.652	0.889
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 6	-	DSI3	40620+40818	2593+2612.8	1	20.35	21.80	1.396	62.9	1.006	-0.05	0.559	0.785
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	40620	2593	2	20.48	21.80	1.355	62.9	1.006	0.06	0.510	0.695
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	39790	2510	1	20.22	21.80	1.439	62.9	1.006	-0.15	0.610	0.883
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	39750	2506	1	20.36	21.80	1.393	62.9	1.006	-0.02	0.617	0.865
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	40185	2549.5	1	20.39	21.80	1.384	62.9	1.006	-0.09	0.615	0.856
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	41055	2636.5	1	20.41	21.80	1.377	62.9	1.006	0.14	0.577	0.799
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	41490	2680	1	20.31	21.80	1.409	62.9	1.006	0.1	0.453	0.642
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	DSI3	40620	2593	1	20.45	21.80	1.365	62.9	1.006	-0.09	0.507	0.696
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	DSI3	39790	2510	1	20.17	21.80	1.455	62.9	1.006	0.07	0.510	0.747
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	DSI3	39750	2506	1	20.27	21.80	1.422	62.9	1.006	-0.09	0.521	0.745
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	DSI3	40185	2549.5	1	20.33	21.80	1.403	62.9	1.006	-0.16	0.507	0.715
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	DSI3	41055	2636.5	1	20.34	21.80	1.400	62.9	1.006	-0.18	0.499	0.703
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	DSI3	41490	2680	1	20.26	21.80	1.426	62.9	1.006	-0.07	0.349	0.501
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 6	-	DSI3	40620	2593	1	20.47	21.80	1.358	62.9	1.006	0.11	0.511	0.698
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	DSI3	40620	2593	1	21.94	23.40	1.400	42.9	1.009	-0.03	0.631	0.891
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 6	-	DSI3	40620+40818	2593+2612.8	1	21.86	23.40	1.426	42.9	1.009	-0.03	0.575	0.827
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 6	-	DSI4	41055	2636.5	1	21.48	23.00	1.419	62.9	1.006	-0.13	0.198	0.283
	LTE Band 41 PC2	20M	QPSK	1	0	-	Front	15mm	Ant 6	-	DSI4	41055	2636.5	1	24.52	26.00	1.406	42.9	1.009	0.01	0.266	0.377
	LTE Band 41	20M	QPSK	1	0	-	Back	19mm	Ant 6	-	DSI4	40620	2593	1	21.44	23.00	1.432	62.9	1.006	0.17	0.153	0.220
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	19mm	Ant 6	-	DSI4	40620	2593	1	24.62	26.00	1.374	42.9	1.009	0.07	0.212	0.294
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	DSI3	40620	2593	1	18.71	20.00	1.346	62.9	1.006	-0.08	0.333	0.451
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	DSI3	40620	2593	1	17.72	19.00	1.343	62.9	1.006	-0.01	0.284	0.384
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	DSI3	40620	2593	1	17.67	19.00	1.358	62.9	1.006	-0.11	0.277	0.379
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	40620	2593	1	18.71	20.00	1.346	62.9	1.006	0.14	0.464	0.628
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	39790	2510	1	18.48	20.00	1.419	62.9	1.006	0.03	0.602	0.859
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	39750	2506	1	18.41	20.00	1.442	62.9	1.006	0.1	0.556	0.807



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	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	40185	2549.5	1	18.57	20.00	1.390	62.9	1.006	0.06	0.635	0.888
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 3	-	DSI3	40185+40383	2549.5+2569.3	1	18.68	20.00	1.355	62.9	1.006	0.03	0.576	0.785
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	40185	2549.5	2	18.57	20.00	1.390	62.9	1.006	0.05	0.547	0.765
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41055	2636.5	1	18.52	20.00	1.406	62.9	1.006	0.16	0.441	0.624
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	41490	2680	1	18.41	20.00	1.442	62.9	1.006	-0.06	0.411	0.596
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	40620	2593	1	17.72	19.00	1.343	62.9	1.006	0.02	0.546	0.738
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	39790	2510	1	17.57	19.00	1.390	62.9	1.006	-0.16	0.544	0.761
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	39750	2506	1	17.36	19.00	1.459	62.9	1.006	0.05	0.499	0.732
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	40185	2549.5	1	17.62	19.00	1.374	62.9	1.006	-0.03	0.483	0.668
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	41055	2636.5	1	17.51	19.00	1.409	62.9	1.006	0.17	0.324	0.459
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	DSI3	41490	2680	1	17.51	19.00	1.409	62.9	1.006	-0.15	0.303	0.430
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	DSI3	40620	2593	1	17.67	19.00	1.358	62.9	1.006	0.16	0.337	0.460
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	DSI3	40185	2549.5	1	20.18	21.70	1.419	42.9	1.009	0.08	0.601	0.861
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 3	-	DSI3	40185+40383	2549.5+2569.3	1	20.09	21.70	1.449	42.9	1.009	0.01	0.549	0.803
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 3	-	DSI4	40620	2593	1	19.12	20.00	1.225	62.9	1.006	0.06	0.221	0.272
	LTE Band 41 PC2	20M	QPSK	1	0	-	Front	15mm	Ant 3	-	DSI4	40620	2593	1	22.55	23.00	1.109	42.9	1.009	0.06	0.305	0.341
	LTE Band 41	20M	QPSK	1	0	-	Back	19mm	Ant 3	-	DSI4	40185	2549.5	1	18.98	20.00	1.265	62.9	1.006	0.02	0.086	0.109
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	19mm	Ant 3	-	DSI4	40185	2549.5	1	22.32	23.00	1.169	42.9	1.009	0	0.115	0.136
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 9	-	DSI3	507000	2535	1	18.44	19.30	1.219	-	-	-0.08	0.718	0.875
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 9	-	DSI3	507000	2535	1	18.41	19.30	1.227	-	-	-0.1	0.754	0.925
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 9	-	DSI3	507000	2535	1	18.36	19.30	1.242	-	-	-0.01	0.968	1.202
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 9	-	DSI3	507000	2535	1	18.44	19.30	1.219	-	-	-0.09	0.800	0.975
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 9	-	DSI3	507000	2535	1	18.41	19.30	1.227	-	-	-0.06	0.811	0.995
93	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 9	-	DSI3	507000	2535	1	18.36	19.30	1.242	-	-	0.01	1.050	1.304
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 9	Headset	DSI3	507000	2535	1	18.36	19.30	1.242	-	-	0.08	0.925	1.149
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 9	Headset	DSI3	507000	2535	1	18.36	19.30	1.242	-	-	0.02	0.968	1.202
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 9	-	DSI4	507000	2535	1	23.55	24.00	1.109	-	-	-0.04	0.434	0.481
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 9	-	DSI4	507000	2535	1	23.49	24.00	1.125	-	-	-0.15	0.415	0.467
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	15mm	Ant 9	-	DSI4	507000	2535	1	23.43	24.00	1.140	-	-	0.11	0.406	0.463
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	19mm	Ant 9	-	DSI4	507000	2535	1	23.55	24.00	1.109	-	-	-0.02	0.236	0.262
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	19mm	Ant 9	-	DSI4	507000	2535	1	23.49	24.00	1.125	-	-	0.1	0.251	0.282
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	19mm	Ant 9	-	DSI4	507000	2535	1	23.43	24.00	1.140	-	-	0.04	0.301	0.343
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI3	507000	2535	1	13.89	15.10	1.321	-	-	0.05	0.486	0.642
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI3	507000	2535	1	13.86	15.10	1.330	-	-	-0.06	0.436	0.580
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	507000	2535	1	13.89	15.10	1.321	-	-	0.04	0.671	0.887
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	507000	2535	1	13.86	15.10	1.330	-	-	-0.01	0.639	0.850
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI3	507000	2535	1	13.78	15.10	1.355	-	-	-0.11	0.515	0.698
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	-	DSI4	507000	2535	1	22.34	24.00	1.466	-	-	0.13	0.431	0.632
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	19mm	Ant 1	-	DSI4	507000	2535	1	22.22	24.00	1.507	-	-	-0.18	0.567	0.854
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.54	19.80	1.337	-	-	0.02	0.843	1.127
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.52	19.80	1.343	-	-	-0.16	0.866	1.163
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.47	19.80	1.358	-	-	0.05	0.832	1.130
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.54	19.80	1.337	-	-	-0.03	0.918	1.227
94	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.52	19.80	1.343	-	-	-0.16	0.966	1.297
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	Headset	DSI3	518598	2592.99	1	18.52	19.80	1.343	-	-	0.03	0.937	1.258
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.47	19.80	1.358	-	-	0.17	0.852	1.157
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	518598	2592.99	1	21.40	22.80	1.380	50	1.000	-0.05	0.904	1.248
	FR1 n41_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	518598	2592.99	1	18.52	19.80	1.343	-	-	-0.14	0.675	0.906
	FR1 n41_Other PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	518598	2592.99	1	21.40	22.80	1.380	50	1.000	0.02	0.622	0.859
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	518598	2592.99	1	23.61	25.00	1.377	-	-	-0.06	0.413	0.569
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	518598	2592.99	1	23.53	25.00	1.403	-	-	-0.11	0.432	0.606
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	518598	2592.99	1	26.50	28.00	1.413	50	1.000	0.09	0.411	0.581
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	518598	2592.99	1	23.61	25.00	1.377	-	-	-0.16	0.138	0.190
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	518598	2592.99	1	23.53	25.00	1.403	-	-	-0.15	0.141	0.198
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	518598	2592.99	1	26.50	28.00	1.413	50	1.000	0.01	0.138	0.195



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	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI3	518598	2592.99	1	15.80	16.80	1.259	-	-	0.19	0.326	0.410
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI3	518598	2592.99	1	15.67	16.80	1.297	-	-	-0.14	0.294	0.381
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	1	15.80	16.80	1.259	-	-	0.14	0.719	0.905
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	1	15.67	16.80	1.297	-	-	0.02	0.672	0.872
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	1	15.65	16.80	1.303	-	-	0.16	0.586	0.764
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	1	18.65	19.80	1.303	50	1.000	-0.06	0.651	0.848
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	1	15.80	16.80	1.259	-	-	0.01	0.685	0.862
	FR1 n41_Main PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI3	518598	2592.99	1	18.65	19.80	1.303	50	1.000	-0.04	0.651	0.848
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	-	DSI4	518598	2592.99	1	23.47	24.00	1.130	-	-	-0.14	0.342	0.386
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	-	DSI4	518598	2592.99	1	26.41	27.00	1.146	50	1.000	0.03	0.321	0.368
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 1	-	DSI4	518598	2592.99	1	23.47	24.00	1.130	-	-	-0.19	0.464	0.524
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 1	-	DSI4	518598	2592.99	1	26.41	27.00	1.146	50	1.000	0.02	0.455	0.521
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	DSI3	518598	2592.99	1	22.14	23.50	1.368	-	-	0.13	0.462	0.632
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	DSI3	518598	2592.99	1	22.08	23.50	1.387	-	-	0.13	0.433	0.600
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	DSI3	518598	2592.99	1	22.14	23.50	1.368	-	-	-0.06	0.639	0.874
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 6	-	DSI3	518598	2592.99	1	22.08	23.50	1.387	-	-	0.19	0.533	0.739
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 6	-	DSI3	518598	2592.99	1	22.03	23.50	1.403	-	-	-0.06	0.632	0.887
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	DSI3	518598	2592.99	1	24.46	26.00	1.426	50	1.000	0.08	0.591	0.843
	FR1 n41_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	DSI3	518598	2592.99	1	20.13	21.60	1.403	-	-	-0.06	0.607	0.852
	FR1 n41_Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	DSI3	518598	2592.99	1	22.83	24.00	1.309	50	1.000	0	0.621	0.813
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	-	DSI4	518598	2592.99	1	23.61	25.00	1.377	-	-	0.01	0.218	0.300
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	-	DSI4	518598	2592.99	1	24.46	26.00	1.426	50	1.000	0.08	0.125	0.178
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 6	-	DSI4	518598	2592.99	1	23.61	25.00	1.377	-	-	0.06	0.166	0.229
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 6	-	DSI4	518598	2592.99	1	24.46	26.00	1.426	50	1.000	0.03	0.112	0.160
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	518598	2592.99	1	17.35	18.40	1.274	-	-	-0.03	0.503	0.641
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI3	518598	2592.99	1	17.29	18.40	1.291	-	-	-0.03	0.493	0.637
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	1	17.35	18.40	1.274	-	-	0.03	0.689	0.877
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	1	17.29	18.40	1.291	-	-	-0.03	0.303	0.391
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	1	17.09	17.40	1.074	-	-	0.02	0.244	0.262
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	1	20.32	21.40	1.282	50	1.000	0.02	0.631	0.809
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	1	14.88	16.00	1.294	-	-	-0.03	0.497	0.643
	FR1 n41_Main PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI3	518598	2592.99	1	17.85	19.00	1.303	50	1.000	0	0.465	0.606
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 3	-	DSI4	518598	2592.99	1	21.71	23.00	1.346	-	-	0.02	0.239	0.322
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 3	-	DSI4	518598	2592.99	1	21.71	23.00	1.346	50	1.000	0.03	0.122	0.164
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 3	-	DSI4	518598	2592.99	1	21.71	23.00	1.346	-	-	0.12	0.131	0.176
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 3	-	DSI4	518598	2592.99	1	21.71	23.00	1.346	50	1.000	0.09	0.075	0.101
3500MHz																						
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	42590	3500	1	16.54	17.90	1.368	62.9	1.006	-0.1	0.083	0.114
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	42590	3500	1	16.48	17.90	1.387	62.9	1.006	0.07	0.063	0.088
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	42590	3500	1	16.54	17.90	1.368	62.9	1.006	-0.04	0.633	0.871
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	42590	3500	2	16.54	17.90	1.368	62.9	1.006	0.03	0.621	0.854
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	42190	3460	1	16.39	17.90	1.416	62.9	1.006	-0.05	0.549	0.782
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	42990	3540	1	16.34	17.90	1.432	62.9	1.006	-0.08	0.536	0.772
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	42590	3500	1	16.48	17.90	1.387	62.9	1.006	-0.08	0.519	0.724
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	42190	3460	1	16.36	17.90	1.426	62.9	1.006	-0.13	0.444	0.637
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	42990	3540	1	16.34	17.90	1.432	62.9	1.006	0.01	0.437	0.630
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI3	42590	3500	1	16.47	17.90	1.390	62.9	1.006	-0.11	0.431	0.603
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	42590	3500	1	24.06	25.00	1.242	62.9	1.006	-0.16	0.087	0.109
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	19mm	Ant 4	-	DSI4	42590	3500	1	24.06	25.00	1.242	62.9	1.006	-0.12	0.243	0.304
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 7	-	DSI3	42590	3500	1	18.42	19.10	1.169	62.9	1.006	0.03	0.305	0.359
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 7	-	DSI3	42590	3500	1	18.33	19.10	1.194	62.9	1.006	-0.01	0.245	0.294
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	42590	3500	1	18.42	19.10	1.169	62.9	1.006	0.07	0.695	0.818
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	42190	3460	1	18.37	19.10	1.183	62.9	1.006	-0.06	0.743	0.884
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	42990	3540	1	18.41	19.10	1.172	62.9	1.006	0.09	0.583	0.687
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	42590	3500	1	18.33	19.10	1.194	62.9	1.006	0.04	0.539	0.647
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	42190	3460	1	18.32	19.10	1.197	62.9	1.006	0.11	0.612	0.737



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	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	42990	3540	1	18.32	19.10	1.197	62.9	1.006	-0.13	0.482	0.580
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Back	5mm	Ant 7	-	DSI3	42590	3500	1	18.32	19.10	1.197	62.9	1.006	0.12	0.515	0.620
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	15mm	Ant 7	-	DSI4	42590	3500	1	22.37	23.50	1.297	62.9	1.006	0.07	0.138	0.180
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	19mm	Ant 7	-	DSI4	42190	3460	1	22.35	23.50	1.303	62.9	1.006	-0.02	0.141	0.185
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	42590	3500	1	21.22	22.40	1.312	62.9	1.006	0.08	0.780	1.030
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	42190	3460	1	21.20	22.40	1.318	62.9	1.006	0.01	0.723	0.959
95	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	42990	3540	1	21.21	22.40	1.315	62.9	1.006	-0.09	0.976	1.291
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	42990	3540	2	21.21	22.40	1.315	62.9	1.006	0.07	0.954	1.262
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 9	Headset	DSI3	42990	3540	1	21.21	22.40	1.315	62.9	1.006	0.03	0.944	1.249
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	42590	3500	1	21.19	22.40	1.321	62.9	1.006	0.03	0.645	0.857
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	42190	3460	1	21.12	22.40	1.343	62.9	1.006	-0.08	0.575	0.777
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	42990	3540	1	21.15	22.40	1.334	62.9	1.006	-0.08	0.789	1.058
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Front	5mm	Ant 9	-	DSI3	42590	3500	1	21.18	22.40	1.324	62.9	1.006	0.1	0.636	0.847
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	42590	3500	1	21.22	22.40	1.312	62.9	1.006	-0.18	0.530	0.700
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	42190	3460	1	21.20	22.40	1.318	62.9	1.006	0.1	0.434	0.576
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	42990	3540	1	21.21	22.40	1.315	62.9	1.006	0.12	0.520	0.688
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	42590	3500	1	21.19	22.40	1.321	62.9	1.006	0.08	0.422	0.561
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Back	5mm	Ant 9	-	DSI3	42590	3500	1	21.18	22.40	1.324	62.9	1.006	0.14	0.466	0.621
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	15mm	Ant 9	-	DSI4	42990	3540	1	24.73	25.00	1.064	62.9	1.006	-0.05	0.615	0.658
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	19mm	Ant 9	-	DSI4	42590	3500	1	24.83	25.00	1.040	62.9	1.006	-0.13	0.251	0.263
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	DSI3	42590	3500	1	16.88	18.20	1.355	62.9	1.006	-0.11	0.231	0.315
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	DSI3	42590	3500	1	16.86	18.20	1.361	62.9	1.006	-0.17	0.189	0.259
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	42590	3500	1	16.88	18.20	1.355	62.9	1.006	-0.14	0.478	0.652
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	42190	3460	1	16.82	18.20	1.374	62.9	1.006	-0.15	0.480	0.663
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	42990	3540	1	16.85	18.20	1.365	62.9	1.006	-0.09	0.645	0.885
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	42990	3540	2	16.85	18.20	1.365	62.9	1.006	-0.03	0.621	0.852
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	DSI3	42590	3500	1	16.86	18.20	1.361	62.9	1.006	-0.12	0.430	0.589
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Back	5mm	Ant 8	-	DSI3	42590	3500	1	16.85	18.20	1.365	62.9	1.006	0.01	0.430	0.590
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	15mm	Ant 8	-	DSI4	42590	3500	1	21.76	23.00	1.330	62.9	1.006	0.08	0.211	0.282
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	19mm	Ant 8	-	DSI4	42990	3540	1	21.68	23.00	1.355	62.9	1.006	0.16	0.599	0.817
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 7	-	DSI3	55830	3609	1	17.39	18.60	1.321	62.9	1.006	0.02	0.320	0.425
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 7	-	DSI3	55830	3609	1	17.32	18.60	1.343	62.9	1.006	0.1	0.210	0.284
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	55830	3609	1	17.39	18.60	1.321	62.9	1.006	0.05	0.459	0.610
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	55340	3560	1	17.27	18.60	1.358	62.9	1.006	0.08	0.473	0.646
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	56150	3641	1	17.37	18.60	1.327	62.9	1.006	-0.18	0.592	0.791
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	56640	3690	1	17.34	18.60	1.337	62.9	1.006	-0.06	0.684	0.920
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	56640+56442	3690+3670.2	1	17.24	18.60	1.368	62.9	1.006	0.03	0.622	0.856
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	56640	3690	2	17.34	18.60	1.337	62.9	1.006	0.02	0.601	0.808
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	55830	3609	1	17.32	18.60	1.343	62.9	1.006	-0.03	0.473	0.639
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	55340	3560	1	17.23	18.60	1.371	62.9	1.006	-0.04	0.371	0.512
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	56150	3641	1	17.28	18.60	1.355	62.9	1.006	-0.09	0.459	0.626
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	DSI3	56640	3690	1	17.27	18.60	1.358	62.9	1.006	0.18	0.523	0.715
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 7	-	DSI3	55830	3609	1	17.28	18.60	1.355	62.9	1.006	0.11	0.448	0.611
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	DSI3	56640	3690	1	16.04	17.00	1.247	62.9	1.006	0.02	0.196	0.246
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 7	-	DSI4	55830	3609	1	22.39	23.50	1.291	62.9	1.006	0.01	0.301	0.391
	LTE Band 48	20M	QPSK	1	0	-	Back	19mm	Ant 7	-	DSI4	56640	3690	1	22.38	23.50	1.294	62.9	1.006	-0.16	0.353	0.460
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	55830	3609	1	16.55	17.30	1.189	62.9	1.006	0.07	0.114	0.136
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	55830	3609	1	16.35	17.30	1.245	62.9	1.006	-0.03	0.107	0.134
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	55830	3609	1	16.55	17.30	1.189	62.9	1.006	0.09	0.635	0.759
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	55340	3560	1	16.23	17.30	1.279	62.9	1.006	-0.08	0.589	0.758
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	56150	3641	1	16.29	17.30	1.262	62.9	1.006	-0.01	0.689	0.875
	LTE Band 48C	20M	QPSK	1	99	-	Back	5mm	Ant 4	-	DSI3	56150+56348	3641+3660.8	1	16.21	17.30	1.285	62.9	1.006	0.05	0.569	0.736
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	56640	3690	1	16.24	17.30	1.276	62.9	1.006	-0.05	0.681	0.874
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	55830	3609	1	16.35	17.30	1.245	62.9	1.006	-0.03	0.621	0.777
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	55340	3560	1	16.24	17.30	1.276	62.9	1.006	0.17	0.546	0.701
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	56150	3641	1	16.24	17.30	1.276	62.9	1.006	-0.14	0.589	0.756



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	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	56640	3690	1	16.29	17.30	1.262	62.9	1.006	0.06	0.575	0.730
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI3	55830	3609	1	16.37	17.30	1.239	62.9	1.006	-0.06	0.486	0.606
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	56150	3641	1	15.88	17.30	1.387	62.9	1.006	0.03	0.266	0.371
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	55830	3609	1	22.57	24.00	1.390	62.9	1.006	0.1	0.081	0.113
	LTE Band 48	20M	QPSK	1	0	-	Back	19mm	Ant 4	-	DSI4	56150	3641	1	22.41	24.00	1.442	62.9	1.006	-0.04	0.359	0.521
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	DSI3	55830	3609	1	16.04	17.10	1.276	62.9	1.006	-0.15	0.214	0.275
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	DSI3	55830	3609	1	16.02	17.10	1.282	62.9	1.006	0.17	0.289	0.373
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	55830	3609	1	16.04	17.10	1.276	62.9	1.006	-0.05	0.611	0.785
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	55340	3560	1	15.95	17.10	1.303	62.9	1.006	-0.04	0.517	0.678
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	56150	3641	1	15.77	17.10	1.358	62.9	1.006	-0.08	0.623	0.851
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	56640	3690	1	15.95	17.10	1.303	62.9	1.006	0.08	0.701	0.919
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	56640+56442	3690+3670.2	1	15.84	17.10	1.337	62.9	1.006	0.03	0.623	0.838
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	56640	3690	2	15.95	17.10	1.303	62.9	1.006	0.02	0.586	0.768
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	DSI3	55830	3609	1	16.02	17.10	1.282	62.9	1.006	0	0.391	0.504
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 8	-	DSI3	55830	3609	1	16.02	17.10	1.282	62.9	1.006	0.02	0.477	0.615
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	DSI3	56640	3690	1	14.10	15.00	1.230	62.9	1.006	0.03	0.585	0.724
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 8	-	DSI4	55830	3609	1	22.56	23.00	1.107	62.9	1.006	-0.01	0.240	0.267
	LTE Band 48	20M	QPSK	1	0	-	Back	19mm	Ant 8	-	DSI4	56640	3690	1	22.31	23.00	1.172	62.9	1.006	0	0.612	0.722
96	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	55830	3609	1	22.56	23.50	1.242	62.9	1.006	-0.07	1.040	1.299
	LTE Band 48C	20M	QPSK	1	99	-	Front	5mm	Ant 9	-	DSI3	55830+56028	3609+3628.8	1	22.38	23.50	1.294	62.9	1.006	0.03	0.916	1.193
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	Headset	DSI3	55830	3609	1	22.56	23.50	1.242	62.9	1.006	0.02	0.978	1.222
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	55340	3560	1	22.31	23.50	1.315	62.9	1.006	-0.08	0.920	1.217
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	56150	3641	1	22.24	23.50	1.337	62.9	1.006	-0.13	0.958	1.288
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	56640	3690	1	22.19	23.50	1.352	62.9	1.006	0.01	0.817	1.111
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	55830	3609	1	22.53	23.50	1.250	62.9	1.006	-0.11	0.894	1.124
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	55340	3560	1	22.16	23.50	1.361	62.9	1.006	0.03	0.756	1.035
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	56150	3641	1	22.13	23.50	1.371	62.9	1.006	-0.05	0.765	1.055
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 9	-	DSI3	56640	3690	1	22.18	23.50	1.355	62.9	1.006	0.14	0.640	0.873
	LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 9	-	DSI3	55830	3609	1	22.47	23.50	1.268	62.9	1.006	-0.01	0.821	1.047
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	55830	3609	1	22.56	23.50	1.242	62.9	1.006	-0.12	0.606	0.757
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	55340	3560	1	22.31	23.50	1.315	62.9	1.006	0.07	0.769	1.017
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	56150	3641	1	22.24	23.50	1.337	62.9	1.006	0.09	0.658	0.885
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 9	-	DSI3	56640	3690	1	22.19	23.50	1.352	62.9	1.006	0.04	0.610	0.830
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	55830	3609	1	22.53	23.50	1.250	62.9	1.006	0.11	0.486	0.611
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	55340	3560	1	22.16	23.50	1.361	62.9	1.006	-0.13	0.576	0.789
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	56150	3641	1	22.13	23.50	1.371	62.9	1.006	0.12	0.477	0.658
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 9	-	DSI3	56640	3690	1	22.18	23.50	1.355	62.9	1.006	-0.11	0.429	0.585
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 9	-	DSI3	55830	3609	1	22.47	23.50	1.268	62.9	1.006	0.17	0.537	0.685
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Front	5mm	Ant 9	-	DSI3	55830	3609	1	20.73	21.50	1.194	62.9	1.006	0.01	0.823	0.989
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 9	-	DSI4	55830	3609	1	23.37	24.00	1.156	62.9	1.006	-0.11	0.653	0.759
	LTE Band 48	20M	QPSK	1	0	-	Back	19mm	Ant 9	-	DSI4	55340	3560	1	23.10	24.00	1.230	62.9	1.006	-0.06	0.241	0.298
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI3	641666	3624.99	1	16.38	17.80	1.387	-	-	0.16	0.336	0.466
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI3	641666	3624.99	1	16.34	17.80	1.400	-	-	0.06	0.361	0.505
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	641666	3624.99	1	16.38	17.80	1.387	-	-	0.07	0.635	0.881
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	638000	3570	1	16.33	17.80	1.403	-	-	-0.08	0.601	0.843
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	645332	3679.98	1	16.28	17.80	1.419	-	-	0.16	0.611	0.867
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	641666	3624.99	1	16.34	17.80	1.400	-	-	0.07	0.619	0.866
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	638000	3570	1	16.23	17.80	1.435	-	-	0.05	0.527	0.757
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	645332	3679.98	1	16.31	17.80	1.409	-	-	0.05	0.563	0.793
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	641666	3624.99	1	16.30	17.80	1.413	-	-	-0.17	0.587	0.829
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	641666	3624.99	1	16.38	17.80	1.387	-	-	0.07	0.486	0.674
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	641666	3624.99	1	23.35	24.00	1.161	-	-	-0.15	0.280	0.325
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	641666	3624.99	1	23.13	24.00	1.222	-	-	0.03	0.281	0.343
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 7	-	DSI4	641666	3624.99	1	23.35	24.00	1.161	-	-	-0.13	0.285	0.331
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI3	641666	3624.99	1	15.28	16.50	1.324	-	-	0.1	0.098	0.130
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI3	641666	3624.99	1	15.22	16.50	1.343	-	-	0.08	0.105	0.141



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	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	641666	3624.99	1	15.28	16.50	1.324	-	-	-0.13	0.563	0.746
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	641666	3624.99	1	15.22	16.50	1.343	-	-	-0.08	0.661	0.888
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	638000	3570	1	15.11	16.50	1.377	-	-	-0.03	0.521	0.718
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	645332	3679.98	1	15.12	16.50	1.374	-	-	-0.15	0.536	0.736
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	641666	3624.99	1	15.12	16.50	1.374	-	-	-0.1	0.515	0.708
	FR1 n48_Main PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	641666	3624.99	1	15.22	16.50	1.343	-	-	-0.04	0.514	0.690
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	641666	3624.99	1	23.74	24.00	1.062	-	-	0.16	0.120	0.127
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	641666	3624.99	1	23.69	24.00	1.074	-	-	-0.15	0.100	0.107
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	641666	3624.99	1	23.74	24.00	1.062	-	-	-0.02	0.433	0.460
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	641666	3624.99	1	23.69	24.00	1.074	-	-	-0.09	0.451	0.484
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI3	641666	3624.99	1	14.95	15.80	1.216	-	-	-0.07	0.259	0.315
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI3	641666	3624.99	1	14.89	15.80	1.233	-	-	0.11	0.319	0.393
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	641666	3624.99	1	14.95	15.80	1.216	-	-	0.01	0.608	0.739
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	641666	3624.99	1	14.89	15.80	1.233	-	-	0.01	0.720	0.888
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	638000	3570	1	14.84	15.80	1.247	-	-	0.02	0.621	0.775
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	645332	3679.98	1	14.86	15.80	1.242	-	-	0.07	0.633	0.786
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	641666	3624.99	1	14.84	15.80	1.247	-	-	0.1	0.475	0.593
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	641666	3624.99	1	14.89	15.80	1.233	-	-	0.09	0.560	0.691
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	641666	3624.99	1	23.28	24.00	1.180	-	-	0.14	0.264	0.312
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	641666	3624.99	1	23.12	24.00	1.225	-	-	0.1	0.303	0.371
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	641666	3624.99	1	23.28	24.00	1.180	-	-	-0.09	0.616	0.727
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	641666	3624.99	1	23.12	24.00	1.225	-	-	0.07	0.605	0.741
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	641666	3624.99	1	20.20	21.20	1.259	-	-	0.05	0.939	1.182
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	638000	3570	1	19.89	21.20	1.352	-	-	0.16	0.856	1.157
97	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	645332	3679.98	1	19.82	21.20	1.374	-	-	0.13	0.864	1.187
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	641666	3624.99	1	20.12	21.20	1.282	-	-	0.08	0.722	0.926
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	638000	3570	1	19.65	21.20	1.429	-	-	-0.18	0.611	0.873
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	645332	3679.98	1	19.81	21.20	1.377	-	-	0.02	0.601	0.828
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	641666	3624.99	1	20.05	21.20	1.303	-	-	-0.18	0.749	0.976
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	641666	3624.99	1	20.20	21.20	1.259	-	-	-0.03	0.561	0.706
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	641666	3624.99	1	20.12	21.20	1.282	-	-	-0.04	0.398	0.510
	FR1 n48_Main PA	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	641666	3624.99	1	20.20	21.20	1.259	-	-	-0.09	0.679	0.855
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	641666	3624.99	1	23.84	25.00	1.306	-	-	-0.09	0.650	0.849
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	641666	3624.99	1	23.84	25.00	1.306	-	-	-0.16	0.232	0.303
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI3	656000	3840	1	16.66	17.50	1.213	-	-	0.11	0.328	0.398
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI3	656000	3840	1	16.61	17.50	1.227	-	-	-0.07	0.165	0.203
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	656000	3840	1	16.66	17.50	1.213	-	-	-0.07	0.722	0.876
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	656000	3840	1	16.61	17.50	1.227	-	-	0.07	0.670	0.822
	FR1 n77 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	656000	3840	1	16.60	17.50	1.230	-	-	0.15	0.413	0.508
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	656000	3840	1	19.61	20.50	1.227	50	1.000	0.12	0.685	0.841
	FR1 n77 Part 27O_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	656000	3840	1	15.63	17.50	1.538	-	-	0.03	0.534	0.821
	FR1 n77 Part 27O_Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	656000	3840	1	18.69	20.50	1.517	50	1.000	0.14	0.524	0.795
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	656000	3840	1	22.71	24.00	1.346	-	-	-0.18	0.287	0.386
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	656000	3840	1	25.69	27.00	1.352	50	1.000	0.06	0.275	0.372
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 7	-	DSI4	656000	3840	1	22.71	24.00	1.346	-	-	-0.07	0.529	0.712
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 7	-	DSI4	656000	3840	1	25.69	27.00	1.352	50	1.000	0.09	0.513	0.694
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI3	633334	3500.01	1	16.62	17.50	1.225	-	-	-0.03	0.258	0.316
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI3	633334	3500.01	1	16.55	17.50	1.245	-	-	-0.14	0.320	0.398
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	633334	3500.01	1	16.62	17.50	1.225	-	-	0.11	0.569	0.697
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	633334	3500.01	1	16.55	17.50	1.245	-	-	0.03	0.621	0.773
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	633334	3500.01	1	19.52	20.50	1.253	50	1.000	0.07	0.598	0.749
	FR1 n77 Part 27Q_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	633334	3500.01	1	16.55	17.50	1.245	-	-	-0.09	0.604	0.752
	FR1 n77 Part 27Q_Other PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI3	633334	3500.01	1	19.52	20.50	1.253	50	1.000	-0.18	0.541	0.678
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	633334	3500.01	1	22.88	24.00	1.294	-	-	0.11	0.173	0.224
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	633334	3500.01	1	22.74	24.00	1.337	-	-	-0.08	0.181	0.242
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 7	-	DSI4	633334	3500.01	1	25.70	27.00	1.349	50	1.000	0.03	0.203	0.274



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	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 7	-	DSI4	633334	3500.01	1	22.88	24.00	1.294	-	-	-0.1	0.257	0.333
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 7	-	DSI4	633334	3500.01	1	22.74	24.00	1.337	-	-	-0.01	0.301	0.402
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 7	-	DSI4	633334	3500.01	1	25.70	27.00	1.349	50	1.000	0.02	0.315	0.425
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI3	656000	3840	1	15.29	16.10	1.205	-	-	-0.13	0.206	0.248
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI3	656000	3840	1	15.26	16.10	1.213	-	-	-0.13	0.251	0.305
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	656000	3840	1	15.29	16.10	1.205	-	-	-0.07	0.569	0.686
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	656000	3840	1	15.26	16.10	1.213	-	-	-0.04	0.481	0.584
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	656000	3840	1	18.22	19.10	1.225	50	1.000	-0.15	0.541	0.663
	FR1 n77 Part 27O_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	656000	3840	1	13.87	15.00	1.297	-	-	-0.02	0.393	0.510
	FR1 n77 Part 27O_Main PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	656000	3840	1	16.66	18.00	1.361	50	1.000	0.05	0.358	0.487
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	656000	3840	1	23.31	24.00	1.172	-	-	-0.09	0.201	0.236
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	656000	3840	1	23.29	24.00	1.178	-	-	-0.06	0.225	0.265
	FR1 n77 Part 27O PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	656000	3840	1	26.15	27.00	1.216	50	1.000	0.09	0.222	0.270
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	656000	3840	1	23.31	24.00	1.172	-	-	-0.17	0.371	0.435
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	656000	3840	1	26.27	27.00	1.183	50	1.000	0	0.366	0.433
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI3	633334	3500.01	1	15.36	16.10	1.186	-	-	0.13	0.071	0.084
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI3	633334	3500.01	1	15.22	16.10	1.225	-	-	0	0.081	0.099
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	633334	3500.01	1	15.36	16.10	1.186	-	-	0.15	0.585	0.694
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	633334	3500.01	1	15.22	16.10	1.225	-	-	-0.02	0.673	0.824
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	633334	3500.01	1	15.06	16.10	1.271	-	-	-0.07	0.521	0.662
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	633334	3500.01	1	18.17	19.10	1.239	50	1.000	-0.05	0.597	0.740
	FR1 n77 Part 27Q_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	633334	3500.01	1	14.18	15.00	1.208	-	-	-0.01	0.470	0.568
	FR1 n77 Part 27Q_Main PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI3	633334	3500.01	1	17.15	18.00	1.216	50	1.000	0.1	0.429	0.522
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	633334	3500.01	1	23.15	24.00	1.216	-	-	-0.01	0.055	0.067
	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	633334	3500.01	1	26.22	27.00	1.197	50	1.000	0.02	0.049	0.059
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	-	DSI4	633334	3500.01	1	23.14	24.00	1.219	-	-	-0.11	0.041	0.050
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	633334	3500.01	1	23.15	24.00	1.216	-	-	0.14	0.202	0.246
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	633334	3500.01	1	23.14	24.00	1.219	-	-	0.03	0.213	0.260
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 4	-	DSI4	633334	3500.01	1	26.20	27.00	1.202	50	1.000	0.09	0.202	0.243
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI3	656000	3840	1	15.21	16.40	1.315	-	-	-0.11	0.230	0.303
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI3	656000	3840	1	15.16	16.40	1.330	-	-	-0.02	0.240	0.319
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	1	15.21	16.40	1.315	-	-	0.02	0.693	0.911
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	2	15.21	16.40	1.315	-	-	0.03	0.685	0.901
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	1	15.16	16.40	1.330	-	-	0.04	0.533	0.709
	FR1 n77 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	1	15.10	16.40	1.349	-	-	-0.05	0.519	0.700
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	1	18.15	19.40	1.334	50	1.000	0.14	0.635	0.847
	FR1 n77 Part 27O_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	1	14.19	15.00	1.205	-	-	-0.04	0.616	0.742
	FR1 n77 Part 27O_Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	656000	3840	1	17.15	18.00	1.216	50	1.000	0.14	0.602	0.732
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	656000	3840	1	22.73	24.00	1.340	-	-	0.1	0.222	0.297
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	656000	3840	1	24.88	26.00	1.294	50	1.000	0.09	0.218	0.282
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	656000	3840	1	22.73	24.00	1.340	-	-	0.16	0.511	0.685
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	656000	3840	1	24.88	26.00	1.294	50	1.000	0.02	0.412	0.533
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI3	633334	3500.01	1	15.82	16.40	1.143	-	-	0.03	0.286	0.327
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI3	633334	3500.01	1	15.76	16.40	1.159	-	-	0.16	0.286	0.331
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	633334	3500.01	1	15.82	16.40	1.143	-	-	-0.06	0.481	0.550
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	633334	3500.01	1	15.76	16.40	1.159	-	-	-0.01	0.643	0.745
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	633334	3500.01	1	18.68	19.40	1.180	50	1.000	0.14	0.595	0.702
	FR1 n77 Part 27Q_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	633334	3500.01	1	13.59	15.00	1.384	-	-	-0.01	0.612	0.847
	FR1 n77 Part 27Q_Other PA	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	633334	3500.01	1	13.38	15.00	1.452	-	-	0.03	0.584	0.848
	FR1 n77 Part 27Q_Other PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI3	633334	3500.01	1	16.53	18.00	1.403	50	1.000	-0.09	0.556	0.780
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	633334	3500.01	1	23.25	24.00	1.189	-	-	-0.06	0.271	0.322
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	633334	3500.01	1	23.21	24.00	1.199	-	-	0.02	0.272	0.326
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	-	DSI4	633334	3500.01	1	25.35	26.00	1.161	50	1.000	0.02	0.254	0.295
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	633334	3500.01	1	23.25	24.00	1.189	-	-	-0.16	0.379	0.450
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	633334	3500.01	1	23.21	24.00	1.199	-	-	0.05	0.381	0.457



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	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 8	-	DSI4	633334	3500.01	1	25.35	26.00	1.161	50	1.000	0.09	0.315	0.366
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	656000	3840	1	20.87	21.20	1.079	-	-	-0.08	0.824	0.889
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	656000	3840	1	20.84	21.20	1.086	-	-	-0.14	0.659	0.716
	FR1 n77 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	656000	3840	1	20.32	21.20	1.225	-	-	0.06	0.451	0.552
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	656000	3840	1	20.87	21.20	1.079	-	-	-0.06	0.536	0.578
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	656000	3840	1	20.84	21.20	1.086	-	-	-0.15	0.590	0.641
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	656000	3840	1	21.25	22.00	1.189	50	1.000	0.17	0.469	0.557
	FR1 n77 Part 27O_ Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	656000	3840	1	19.78	21.20	1.387	-	-	0.09	0.560	0.777
	FR1 n77 Part 27O_ Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	656000	3840	1	22.71	24.20	1.409	50	1.000	-0.04	0.585	0.824
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	656000	3840	1	21.25	22.00	1.189	-	-	-0.03	0.359	0.427
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	656000	3840	1	21.25	22.00	1.189	50	1.000	0.05	0.181	0.215
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	656000	3840	1	21.25	22.00	1.189	-	-	0.17	0.170	0.202
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	656000	3840	1	21.25	22.00	1.189	50	1.000	0.02	0.102	0.121
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	656000	3840	1	21.20	22.00	1.202	-	-	-0.15	0.165	0.198
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	633334	3500.01	1	20.42	21.20	1.197	-	-	0.08	0.754	0.902
98	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	633334	3500.01	1	20.28	21.20	1.236	-	-	-0.05	0.986	1.219
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	Headset	DSI3	633334	3500.01	1	20.28	21.20	1.236	-	-	0.02	0.971	1.200
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	633334	3500.01	1	20.14	21.20	1.276	-	-	0.03	0.925	1.181
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	633334	3500.01	1	20.42	21.20	1.197	-	-	-0.08	0.505	0.604
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	DSI3	633334	3500.01	1	20.28	21.20	1.236	-	-	-0.08	0.632	0.781
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	633334	3500.01	1	23.36	24.20	1.213	50	1.000	0.01	0.913	1.108
	FR1 n77 Part 27Q_ Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	633334	3500.01	1	21.15	21.20	1.012	-	-	0.03	0.862	0.872
	FR1 n77 Part 27Q_ Main PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	DSI3	633334	3500.01	1	22.80	24.00	1.318	50	1.000	-0.05	0.635	0.837
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	633334	3500.01	1	22.90	24.00	1.288	-	-	0.16	0.416	0.536
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	633334	3500.01	1	22.80	24.00	1.318	-	-	0.05	0.513	0.676
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 9	-	DSI4	633334	3500.01	1	26.15	27.00	1.216	50	1.000	0.09	0.545	0.663
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	633334	3500.01	1	22.90	24.00	1.288	-	-	-0.06	0.153	0.197
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	633334	3500.01	1	22.80	24.00	1.318	-	-	-0.13	0.165	0.218
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	19mm	Ant 9	-	DSI4	633334	3500.01	1	26.15	27.00	1.216	50	1.000	0.02	0.157	0.191



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq (MHz)	Sample	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)
2450MHz																		
100	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 2+3(2)	-	Standalone	1	2412	1	16.23	18.00	1.503	98.29	1.017	0.08	0.509	0.778
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 2+3(2)	-	Standalone	1	2412	1	16.23	18.00	1.503	98.29	1.017	0.01	0.796	1.217
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 2+3(3)	-	Standalone	6	2437	1	16.89	18.50	1.449	98.29	1.017	0.03	0.805	1.186
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 2+3(2)	-	Standalone	11	2462	1	16.34	18.00	1.466	98.29	1.017	0.06	0.924	1.377
	WLAN2.4GHz	802.11n-HT40 MCS0	Back	5mm	Ant 2+3(2)	-	Standalone	6	2437	1	16.14	18.00	1.535	99.43	1.006	0.06	0.761	1.175
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 2+3(2)	Headset	Standalone	11	2462	1	16.34	18.00	1.466	98.29	1.017	0.02	0.845	1.259
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 2+3(2)	-	Simultaneous	11	2462	1	11.34	13.00	1.466	98.29	1.017	0.08	0.140	0.209
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 2+3(2)	-	Simultaneous	11	2462	1	11.34	13.00	1.466	98.29	1.017	0.07	0.254	0.379
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 2+3(2)	-	Full Power	11	2462	1	18.41	20.00	1.442	98.29	1.017	-0.17	0.294	0.431
	WLAN2.4GHz	802.11b 1Mbps	Back	19mm	Ant 2+3(2)	-	Full Power	11	2462	1	18.41	20.00	1.442	98.29	1.017	-0.03	0.197	0.289
101	Bluetooth	1Mbps	Front	5mm	Ant 3	-	Standalone	39	2441	1	13.19	13.50	1.074	76.96	1.082	-0.18	0.132	0.153
	Bluetooth	1Mbps	Back	5mm	Ant 3	-	Standalone	39	2441	1	13.19	13.50	1.074	76.96	1.082	0.1	0.180	0.209
	Bluetooth	1Mbps	Front	5mm	Ant 3	-	Simultaneous	39	2441	1	12.58	13.00	1.102	76.96	1.082	0.14	0.103	0.123
	Bluetooth	1Mbps	Back	5mm	Ant 3	-	Simultaneous	39	2441	1	12.58	13.00	1.102	76.96	1.082	-0.17	0.152	0.181
	Bluetooth	1Mbps	Front	15mm	Ant 3	-	Full Power	39	2441	1	17.59	18.50	1.234	76.96	1.082	0.12	0.083	0.111
	Bluetooth	1Mbps	Back	19mm	Ant 3	-	Full Power	39	2441	1	17.59	18.50	1.234	76.96	1.082	0.08	0.084	0.112
	Bluetooth	1Mbps	Front	5mm	Ant 2	-	Standalone	0	2402	1	14.33	15.00	1.167	76.9	1.083	0.01	0.102	0.129
	Bluetooth	1Mbps	Back	5mm	Ant 2	-	Standalone	0	2402	1	14.33	15.00	1.167	76.9	1.083	0.08	0.309	0.390
	Bluetooth	1Mbps	Back	5mm	Ant 2	-	Standalone	39	2441	1	12.05	13.00	1.245	76.9	1.083	0.08	0.281	0.379
	Bluetooth	1Mbps	Back	5mm	Ant 2	-	Standalone	78	2480	1	12.42	13.00	1.143	76.9	1.083	0.01	0.295	0.365
102	Bluetooth	1Mbps	Front	5mm	Ant 2	-	Simultaneous	0	2402	1	12.81	13.50	1.172	76.9	1.083	0.17	0.070	0.089
	Bluetooth	1Mbps	Back	5mm	Ant 2	-	Simultaneous	0	2402	1	12.81	13.50	1.172	76.9	1.083	-0.05	0.166	0.211
	Bluetooth	1Mbps	Front	15mm	Ant 2	-	Full Power	0	2402	1	17.51	18.50	1.256	76.9	1.083	0.03	0.001	0.001
	Bluetooth	1Mbps	Back	19mm	Ant 2	-	Full Power	0	2402	1	17.51	18.50	1.256	76.9	1.083	-0.08	0.060	0.082
	5000MHz																	
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+8(8)	-	Standalone	50	5250	1	12.28	14.00	1.486	100	1.000	-0.08	0.075	0.111
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	-	Standalone	50	5250	1	12.28	14.00	1.486	100	1.000	-0.09	0.795	1.181
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	-	Standalone	50	5250	2	12.28	14.00	1.486	100	1.000	0.04	0.768	1.141
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+8(8)	-	Simultaneous	50	5250	1	7.71	9.50	1.510	100	1.000	-0.08	0.022	0.033
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	-	Simultaneous	50	5250	1	7.71	9.50	1.510	100	1.000	0.07	0.245	0.370
103	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 5+8(8)	-	Full Power	62	5310	1	20.26	22.00	1.493	100	1.000	0.08	0.068	0.102
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	19mm	Ant 5+8(8)	-	Full Power	62	5310	1	20.26	22.00	1.493	100	1.000	0.01	0.388	0.579
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+8(8)	-	Standalone	114	5570	1	14.38	16.00	1.452	100	1.000	0.1	0.113	0.164
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	-	Standalone	114	5570	1	14.38	16.00	1.452	100	1.000	-0.05	0.809	1.175
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	-	Standalone	114	5570	2	14.38	16.00	1.452	100	1.000	0.03	0.756	1.098
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 5+8(8)	-	Simultaneous	114	5570	1	9.90	11.50	1.445	100	1.000	0.1	0.040	0.058
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	-	Simultaneous	114	5570	1	9.90	11.50	1.445	100	1.000	0.12	0.254	0.367
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 5+8(8)	-	Full Power	110	5550	1	20.83	22.50	1.469	100	1.000	0.03	0.106	0.156
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	19mm	Ant 5+8(8)	-	Full Power	110	5550	1	20.83	22.50	1.469	100	1.000	-0.08	0.392	0.576
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+8(5)	-	Standalone	155	5775	1	13.32	15.00	1.472	97.25	1.028	0.08	0.223	0.338
104	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+8(5)	-	Standalone	155	5775	1	13.32	15.00	1.472	97.25	1.028	-0.1	0.748	1.132
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+8(5)	-	Simultaneous	155	5775	1	8.92	10.50	1.439	97.25	1.028	0.08	0.078	0.115
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+8(5)	-	Simultaneous	155	5775	1	8.92	10.50	1.439	97.25	1.028	-0.05	0.262	0.388
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant 5+8(8)	-	Full Power	149	5745	1	20.85	22.50	1.462	99.32	1.007	-0.08	0.228	0.336
	WLAN5.8GHz	802.11a 6Mbps	Back	19mm	Ant 5+8(8)	-	Full Power	149	5745	1	20.85	22.50	1.462	99.32	1.007	0.1	0.422	0.621



16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)
835MHz																					
105	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	4182	836.4	1	23.03	24.00	1.250	-	-	-0.09	0.839	1.049
106	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	26865	831.5	1	22.94	24.00	1.276	-	-	-0.11	0.783	0.999
	LTE Band 5B	10M	QPSK	1	49	-	Back	0mm	Ant 0	DSI6	20476+20575	831.6+841.5	1	22.75	24.00	1.334	-	-	0.06	0.724	0.965
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	1413	1732.6	1	21.91	22.80	1.227	-	-	-0.15	2.020	2.479
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	1312	1712.4	1	21.82	22.80	1.253	-	-	-0.06	1.990	2.494
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI6	1513	1752.6	1	21.89	22.80	1.233	-	-	-0.14	2.270	2.799
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI6	1413	1732.6	1	21.91	22.80	1.227	-	-	-0.19	1.080	1.326
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	1413	1732.6	1	21.91	22.80	1.227	-	-	0.02	2.360	2.897
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	1312	1712.4	1	21.82	22.80	1.253	-	-	0.12	2.450	3.070
107	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	1513	1752.6	1	21.89	22.80	1.233	-	-	0.06	2.610	3.218
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	4mm	Ant 0	DSI4	1513	1752.6	1	23.17	24.00	1.211	-	-	-0.17	1.850	2.240
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	8mm	Ant 0	DSI4	1312	1712.4	1	23.10	24.00	1.230	-	-	0.04	1.250	1.538
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	9mm	Ant 0	DSI4	1513	1752.6	1	23.17	24.00	1.211	-	-	-0.01	0.821	0.994
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI6	1413	1732.6	1	20.75	22.40	1.462	-	-	0.12	0.902	1.319
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI6	1413	1732.6	1	20.75	22.40	1.462	-	-	-0.12	1.490	2.179
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI6	1312	1712.4	1	20.74	22.40	1.466	-	-	0.15	1.550	2.272
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI6	1513	1752.6	1	20.71	22.40	1.476	-	-	-0.08	1.670	2.464
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	9mm	Ant 1	DSI4	1413	1732.6	1	22.80	24.00	1.318	-	-	0.05	0.654	0.862
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI4	1513	1752.6	1	22.77	24.00	1.327	-	-	0.06	0.674	0.895
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	132322	1745	1	20.76	22.00	1.330	-	-	-0.01	1.650	2.195
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	132072	1720	1	20.41	22.00	1.442	-	-	-0.08	1.590	2.293
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	132572	1770	1	20.67	22.00	1.358	-	-	0.05	1.650	2.241
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI6	132322	1745	1	20.53	22.00	1.403	-	-	0.06	1.380	1.936
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 0	DSI6	132322	1745	1	20.55	22.00	1.396	-	-	0.13	1.420	1.983
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	132322	1745	1	20.76	22.00	1.330	-	-	0.12	1.020	1.357
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI6	132322	1745	1	20.53	22.00	1.403	-	-	0.16	0.798	1.119
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	132322	1745	1	20.76	22.00	1.330	-	-	-0.1	1.960	2.608
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	132072	1720	1	20.41	22.00	1.442	-	-	0.01	1.910	2.754
108	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	132572	1770	1	20.67	22.00	1.358	-	-	0.05	2.350	3.192
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	132322	1745	1	20.53	22.00	1.403	-	-	-0.15	1.650	2.315
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	132072	1720	1	20.52	22.00	1.406	-	-	0.19	1.550	2.179
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	132572	1770	1	20.47	22.00	1.422	-	-	0.07	2.000	2.845
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI6	132322	1745	1	20.55	22.00	1.396	-	-	-0.18	1.720	2.402
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	132572	1770	1	20.40	22.00	1.445	-	-	0.03	1.770	2.558
	LTE Band 66	20M	QPSK	1	0	-	Front	4mm	Ant 0	DSI4	132572	1770	1	22.81	24.00	1.315	-	-	-0.18	1.090	1.434
	LTE Band 66	20M	QPSK	1	0	-	Back	8mm	Ant 0	DSI4	132322	1745	1	22.92	24.00	1.282	-	-	0.1	0.935	1.199
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	DSI4	132572	1770	1	22.81	24.00	1.315	-	-	0.12	0.951	1.251
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	132322	1745	1	19.83	20.80	1.250	-	-	0.1	1.890	2.363
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	132072	1720	1	19.52	20.80	1.343	-	-	0.12	1.800	2.417
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	132572	1770	1	19.76	20.80	1.271	-	-	-0.09	1.960	2.490
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	132322	1745	1	19.70	20.80	1.288	-	-	-0.11	1.520	1.958
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI6	132322	1745	1	19.69	20.80	1.291	-	-	0.12	1.550	2.001
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	132572	1770	1	19.64	20.80	1.306	-	-	-0.06	1.670	2.181
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI4	132572	1770	1	22.56	24.00	1.393	-	-	0.1	0.816	1.137
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	340500	1702.5	1	22.42	23.40	1.253	-	-	-0.03	1.860	2.331
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	340500	1702.5	1	22.27	23.40	1.297	-	-	0.14	1.920	2.491
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	340500	1702.5	1	22.18	23.40	1.324	-	-	0.11	1.980	2.622
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	340500	1702.5	1	22.42	23.40	1.253	-	-	-0.05	1.680	2.105
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	340500	1702.5	1	22.27	23.40	1.297	-	-	0.18	1.660	2.153



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	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	0mm	Ant 0	DSi6	340500	1702.5	1	22.18	23.40	1.324	-	-	0.14	1.620	2.145
109	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	340500	1702.5	1	22.42	23.40	1.253	-	-	-0.17	2.490	3.120
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	340500	1702.5	1	22.27	23.40	1.297	-	-	0.17	2.290	2.971
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	340500	1702.5	1	22.18	23.40	1.324	-	-	0.05	2.260	2.993
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	4mm	Ant 0	DSi4	340500	1702.5	1	23.58	24.00	1.102	-	-	0.03	0.953	1.050
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	4mm	Ant 0	DSi4	340500	1702.5	1	23.47	24.00	1.130	-	-	-0.08	0.985	1.113
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	8mm	Ant 0	DSi4	340500	1702.5	1	23.58	24.00	1.102	-	-	-0.08	0.591	0.651
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	8mm	Ant 0	DSi4	340500	1702.5	1	23.47	24.00	1.130	-	-	0.1	0.613	0.693
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	DSi4	340500	1702.5	1	23.58	24.00	1.102	-	-	-0.18	0.699	0.770
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	DSi4	340500	1702.5	1	23.47	24.00	1.130	-	-	0.1	0.754	0.852
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	340500	1702.5	1	21.56	23.10	1.426	-	-	-0.07	1.590	2.267
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	340500	1702.5	1	21.51	23.10	1.442	-	-	-0.11	1.610	2.322
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	340500	1702.5	1	21.42	23.10	1.472	-	-	0.01	1.680	2.473
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	340500	1702.5	1	23.57	24.00	1.104	-	-	0.12	0.396	0.437
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	340500	1702.5	1	23.43	24.00	1.140	-	-	0.08	0.351	0.400
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSi6	349000	1745	1	20.66	21.70	1.271	-	-	-0.03	1.720	2.185
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	DSi6	349000	1745	1	20.51	21.70	1.315	-	-	0.14	1.970	2.591
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	DSi6	349000	1745	1	20.40	21.70	1.349	-	-	0.11	2.010	2.711
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSi6	349000	1745	1	20.66	21.70	1.271	-	-	-0.05	1.100	1.398
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	DSi6	349000	1745	1	20.51	21.70	1.315	-	-	0.18	1.020	1.342
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	349000	1745	1	20.66	21.70	1.271	-	-	-0.17	2.210	2.808
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	349000	1745	1	20.51	21.70	1.315	-	-	0.17	2.400	3.157
110	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	349000	1745	1	20.60	21.70	1.288	-	-	0.04	2.490	3.208
	FR1 n66_Main PA	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	349000	1745	1	20.66	21.70	1.271	-	-	0.01	1.600	2.033
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	4mm	Ant 0	DSi4	349000	1745	1	23.59	24.00	1.099	-	-	-0.17	1.080	1.187
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	4mm	Ant 0	DSi4	349000	1745	1	23.21	24.00	1.199	-	-	-0.03	1.210	1.451
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	4mm	Ant 0	DSi4	349000	1745	1	23.13	24.00	1.222	-	-	0.14	1.150	1.405
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	8mm	Ant 0	DSi4	349000	1745	1	23.59	24.00	1.099	-	-	0.11	0.747	0.821
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	8mm	Ant 0	DSi4	349000	1745	1	23.21	24.00	1.199	-	-	-0.05	0.712	0.854
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	8mm	Ant 0	DSi4	349000	1745	1	23.13	24.00	1.222	-	-	0.18	0.705	0.861
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	DSi4	349000	1745	1	23.59	24.00	1.099	-	-	0.14	0.573	0.630
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	DSi4	349000	1745	1	23.21	24.00	1.199	-	-	-0.17	0.530	0.636
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	DSi4	349000	1745	1	23.13	24.00	1.222	-	-	0.17	0.486	0.594
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSi6	349000	1745	1	20.82	22.40	1.439	-	-	0.15	1.010	1.453
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSi6	349000	1745	1	20.79	22.40	1.449	-	-	0.01	1.140	1.652
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	349000	1745	1	20.82	22.40	1.439	-	-	-0.19	1.580	2.273
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	349000	1745	1	20.79	22.40	1.449	-	-	-0.09	1.660	2.405
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	349000	1745	1	20.78	22.40	1.452	-	-	0.08	1.710	2.483
	FR1 n66_Main PA	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	349000	1745	1	20.78	22.40	1.452	-	-	0.06	1.440	2.091
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	9mm	Ant 1	DSi4	349000	1745	1	23.34	24.00	1.164	-	-	0.08	0.320	0.373
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	9mm	Ant 1	DSi4	349000	1745	1	23.26	24.00	1.186	-	-	0.01	0.312	0.370
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	349000	1745	1	23.34	24.00	1.164	-	-	0.03	0.417	0.485
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	349000	1745	1	23.26	24.00	1.186	-	-	-0.08	0.426	0.505
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	349000	1745	1	23.26	24.00	1.186	-	-	-0.08	0.435	0.516
1900MHz																					
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant 0	DSi6	661	1880	1	25.41	26.50	1.285	-	-	-0.13	1.840	2.365
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant 0	DSi6	512	1850.2	1	25.55	26.50	1.245	-	-	0.06	1.830	2.277
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant 0	DSi6	810	1909.8	1	25.34	26.50	1.306	-	-	0.18	1.110	1.450
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 0	DSi6	661	1880	1	25.41	26.50	1.285	-	-	-0.07	1.080	1.388
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	DSi6	661	1880	1	25.41	26.50	1.285	-	-	-0.14	2.120	2.725
111	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	DSi6	512	1850.2	1	25.55	26.50	1.245	-	-	0.05	2.420	3.012
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	DSi6	810	1909.8	1	25.34	26.50	1.306	-	-	0.03	1.450	1.894
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSi6	9400	1880	1	19.80	21.00	1.318	-	-	0.04	1.470	1.938
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSi6	9400	1880	1	19.80	21.00	1.318	-	-	0.13	0.990	1.305
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSi6	9400	1880	1	19.80	21.00	1.318	-	-	0.12	2.030	2.676
112	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSi6	9262	1852.4	1	19.67	21.00	1.358	-	-	0.01	2.390	3.246



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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	9538	1907.6	1	19.77	21.00	1.327	-	-	-0.09	1.470	1.951
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	4mm	Ant 0	DSI4	9400	1880	1	23.11	24.00	1.227	-	-	-0.09	2.450	3.007
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	4mm	Ant 0	DSI4	9262	1852.4	1	22.98	24.00	1.265	-	-	-0.08	2.390	3.023
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	4mm	Ant 0	DSI4	9538	1907.6	1	23.08	24.00	1.236	-	-	0.13	2.380	2.942
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	8mm	Ant 0	DSI4	9400	1880	1	23.11	24.00	1.227	-	-	0.12	1.510	1.853
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	9mm	Ant 0	DSI4	9262	1852.4	1	22.98	24.00	1.265	-	-	0.03	1.210	1.530
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI6	9400	1880	1	19.25	20.70	1.396	-	-	-0.02	1.780	2.486
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI6	9262	1852.4	1	19.21	20.70	1.409	-	-	0.05	1.660	2.339
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI6	9538	1907.6	1	19.15	20.70	1.429	-	-	0.04	1.560	2.229
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSI4	9400	1880	1	22.61	24.00	1.377	-	-	0.01	1.020	1.405
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI6	26340	1880	1	20.40	21.30	1.230	-	-	0.13	1.530	1.882
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI6	26340	1880	1	20.32	21.30	1.253	-	-	0	1.270	1.591
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI6	26340	1880	1	20.40	21.30	1.230	-	-	-0.08	1.030	1.267
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI6	26340	1880	1	20.32	21.30	1.253	-	-	0.06	1.090	1.366
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26340	1880	1	20.40	21.30	1.230	-	-	0.08	2.280	2.805
113	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26140	1860	1	20.34	21.30	1.247	-	-	0.04	2.530	3.156
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	26590	1905	1	20.18	21.30	1.294	-	-	-0.07	1.580	2.045
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	26340	1880	1	20.32	21.30	1.253	-	-	0.18	1.800	2.256
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	26140	1860	1	20.13	21.30	1.309	-	-	-0.08	2.140	2.802
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI6	26590	1905	1	20.27	21.30	1.268	-	-	-0.05	1.280	1.623
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI6	26340	1880	1	20.20	21.30	1.288	-	-	-0.07	1.690	2.177
	LTE Band 2_Other PA	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI6	18900	1880	1	20.26	21.30	1.271	-	-	0.06	1.790	2.274
	LTE Band 25	20M	QPSK	1	0	-	Front	4mm	Ant 0	DSI4	26340	1880	1	22.78	24.00	1.324	-	-	0.18	1.860	2.463
	LTE Band 25	20M	QPSK	1	0	-	Front	4mm	Ant 0	DSI4	26140	1860	1	22.74	24.00	1.337	-	-	0.18	1.710	2.286
	LTE Band 25	20M	QPSK	1	0	-	Front	4mm	Ant 0	DSI4	26590	1905	1	22.75	24.00	1.334	-	-	0.18	1.790	2.387
	LTE Band 25	20M	QPSK	1	0	-	Back	8mm	Ant 0	DSI4	26340	1880	1	22.78	24.00	1.324	-	-	0.16	1.290	1.708
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	DSI4	26140	1860	1	22.74	24.00	1.337	-	-	-0.1	1.350	1.804
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	26340	1880	1	19.24	20.40	1.306	-	-	-0.03	1.320	1.724
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI6	26340	1880	1	19.13	20.40	1.340	-	-	-0.07	1.030	1.380
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	26340	1880	1	19.24	20.40	1.306	-	-	-0.06	1.890	2.469
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	26140	1860	1	18.99	20.40	1.384	-	-	-0.01	1.680	2.324
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	26590	1905	1	19.19	20.40	1.321	-	-	-0.03	1.580	2.088
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	26340	1880	1	19.13	20.40	1.340	-	-	-0.17	1.560	2.090
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	26140	1860	1	19.12	20.40	1.343	-	-	-0.02	1.450	1.947
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	26590	1905	1	19.00	20.40	1.380	-	-	-0.02	1.520	2.098
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI6	26340	1880	1	19.11	20.40	1.346	-	-	0.17	1.550	2.086
	LTE Band 2_Other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	18900	1880	1	20.00	20.40	1.096	-	-	0.09	1.790	1.963
	LTE Band 25	20M	QPSK	1	0	-	Back	9mm	Ant 1	DSI4	26340	1880	1	22.52	24.00	1.406	-	-	0.07	0.743	1.045
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI4	26340	1880	1	22.52	24.00	1.406	-	-	0.18	0.954	1.341
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	376500	1882.5	1	21.42	22.20	1.197	-	-	-0.09	2.350	2.812
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	376500	1882.5	1	21.27	22.20	1.239	-	-	-0.12	1.930	2.391
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI6	376500	1882.5	1	21.08	22.20	1.294	-	-	0	1.870	2.420
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	376500	1882.5	1	21.42	22.20	1.197	-	-	-0.06	1.120	1.340
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI6	376500	1882.5	1	21.27	22.20	1.239	-	-	0	0.933	1.156
114	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376500	1882.5	1	21.42	22.20	1.197	-	-	0.05	2.660	3.183
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376500	1882.5	1	21.27	22.20	1.239	-	-	-0.09	2.150	2.663
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376500	1882.5	1	21.08	22.20	1.294	-	-	-0.16	1.740	2.252
	FR1 n25_Other PA	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI6	376500	1882.5	1	21.42	22.20	1.197	-	-	0.04	2.540	3.040
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	4mm	Ant 0	DSI4	376500	1882.5	1	23.33	24.00	1.167	-	-	-0.05	1.670	1.949
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	8mm	Ant 0	DSI4	376500	1882.5	1	23.33	24.00	1.167	-	-	0.01	0.989	1.154
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	8mm	Ant 0	DSI4	376500	1882.5	1	23.25	24.00	1.189	-	-	0.1	0.953	1.133
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	8mm	Ant 0	DSI4	376500	1882.5	1	23.05	24.00	1.245	-	-	-0.17	0.978	1.217
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	DSI4	376500	1882.5	1	23.33	24.00	1.167	-	-	0.04	0.763	0.890
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	376500	1882.5	1	20.72	21.60	1.225	-	-	0.13	1.160	1.421
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI6	376500	1882.5	1	20.60	21.60	1.259	-	-	0.01	1.210	1.523
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI6	376500	1882.5	1	20.72	21.60	1.225	-	-	0.05	1.970	2.412



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	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	376500	1882.5	1	20.60	21.60	1.259	-	-	0.18	1.790	2.253
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	376500	1882.5	1	20.35	21.60	1.334	-	-	0.01	1.740	2.320
	FR1 n25_Main PA	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	376500	1882.5	1	20.72	21.60	1.225	-	-	0.02	1.840	2.253
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	9mm	Ant 1	DSi4	376500	1882.5	1	23.12	24.00	1.225	-	-	0.05	0.555	0.680
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	9mm	Ant 1	DSi4	376500	1882.5	1	23.03	24.00	1.250	-	-	0.06	0.563	0.704
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	376500	1882.5	1	23.12	24.00	1.225	-	-	-0.09	0.707	0.866
2300MHz																					
115	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	27710	2310	1	21.98	22.90	1.236	-	-	0	2.550	3.152
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 9	DSi6	27710	2310	1	21.93	22.90	1.250	-	-	-0.16	2.100	2.626
	LTE Band 30	10M	QPSK	50	0	-	Front	0mm	Ant 9	DSi6	27710	2310	1	21.90	22.90	1.259	-	-	0.05	2.120	2.669
	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 9	DSi6	27710	2310	1	21.98	22.90	1.236	-	-	-0.06	1.080	1.335
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 9	DSi6	27710	2310	1	21.93	22.90	1.250	-	-	-0.08	1.040	1.300
	LTE Band 30	10M	QPSK	1	0	-	Left Side	0mm	Ant 9	DSi6	27710	2310	1	21.98	22.90	1.236	-	-	-0.04	1.000	1.236
	LTE Band 30	10M	QPSK	25	0	-	Left Side	0mm	Ant 9	DSi6	27710	2310	1	21.93	22.90	1.250	-	-	-0.04	0.738	0.923
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSi6	27710	2310	1	21.98	22.90	1.236	-	-	0.14	1.410	1.743
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 9	DSi6	27710	2310	1	21.93	22.90	1.250	-	-	-0.13	1.160	1.450
	LTE Band 30	10M	QPSK	1	0	-	Front	4mm	Ant 9	DSi4	27710	2310	1	23.18	24.00	1.208	-	-	0.19	1.030	1.244
	LTE Band 30	10M	QPSK	1	0	-	Back	8mm	Ant 9	DSi4	27710	2310	1	23.18	24.00	1.208	-	-	0.07	0.809	0.977
	LTE Band 30	10M	QPSK	1	0	-	Left Side	3mm	Ant 9	DSi4	27710	2310	1	23.18	24.00	1.208	-	-	-0.18	0.753	0.909
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	9mm	Ant 9	DSi4	27710	2310	1	23.18	24.00	1.208	-	-	0.03	0.591	0.714
	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	DSi6	27710	2310	1	17.02	18.10	1.282	-	-	0.18	0.749	0.960
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 1	DSi6	27710	2310	1	16.98	18.10	1.294	-	-	0.03	0.620	0.802
	LTE Band 30	10M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	27710	2310	1	17.02	18.10	1.282	-	-	0.04	1.890	2.424
	LTE Band 30	10M	QPSK	25	0	-	Top Side	0mm	Ant 1	DSi6	27710	2310	1	16.98	18.10	1.294	-	-	-0.14	1.590	2.058
	LTE Band 30	10M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSi6	27710	2310	1	16.95	18.10	1.303	-	-	0.15	1.550	2.020
	LTE Band 30	10M	QPSK	1	0	-	Back	9mm	Ant 1	DSi4	27710	2310	1	21.71	23.00	1.346	-	-	-0.1	0.622	0.837
	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSi4	27710	2310	1	21.71	23.00	1.346	-	-	0.01	0.971	1.307
116	FR1 n30	10M	QPSK	1	1	-	Front	0mm	Ant 9	DSi6	462000	2310	1	22.40	23.70	1.349	-	-	0.07	2.340	3.157
	FR1 n30	10M	QPSK	25	14	-	Front	0mm	Ant 9	DSi6	462000	2310	1	22.23	23.70	1.403	-	-	0.11	2.210	3.100
	FR1 n30	10M	QPSK	50	0	-	Front	0mm	Ant 9	DSi6	462000	2310	1	22.06	23.70	1.459	-	-	0.07	2.110	3.078
	FR1 n30	10M	QPSK	1	1	-	Back	0mm	Ant 9	DSi6	462000	2310	1	22.40	23.70	1.349	-	-	0.08	0.875	1.180
	FR1 n30	10M	QPSK	25	14	-	Back	0mm	Ant 9	DSi6	462000	2310	1	22.23	23.70	1.403	-	-	-0.1	0.793	1.112
	FR1 n30	10M	QPSK	1	1	-	Bottom Side	0mm	Ant 9	DSi6	462000	2310	1	22.40	23.70	1.349	-	-	-0.01	0.757	1.021
	FR1 n30	10M	QPSK	25	14	-	Bottom Side	0mm	Ant 9	DSi6	462000	2310	1	22.23	23.70	1.403	-	-	0.09	0.762	1.069
	FR1 n30	10M	QPSK	1	1	-	Front	4mm	Ant 9	DSi4	462000	2310	1	23.45	24.00	1.135	-	-	-0.08	0.849	0.964
	FR1 n30	10M	QPSK	25	14	-	Front	4mm	Ant 9	DSi4	462000	2310	1	23.40	24.00	1.148	-	-	0.13	0.803	0.922
	FR1 n30	10M	QPSK	50	0	-	Front	4mm	Ant 9	DSi4	462000	2310	1	23.41	24.00	1.146	-	-	0.12	0.851	0.975
	FR1 n30	10M	QPSK	1	1	-	Back	8mm	Ant 9	DSi4	462000	2310	1	23.45	24.00	1.135	-	-	0.03	0.391	0.444
	FR1 n30	10M	QPSK	25	14	-	Back	8mm	Ant 9	DSi4	462000	2310	1	23.40	24.00	1.148	-	-	0.18	0.385	0.442
	FR1 n30	10M	QPSK	50	0	-	Back	8mm	Ant 9	DSi4	462000	2310	1	23.41	24.00	1.146	-	-	0.16	0.401	0.459
	FR1 n30	10M	QPSK	1	1	-	Bottom Side	9mm	Ant 9	DSi4	462000	2310	1	23.45	24.00	1.135	-	-	-0.1	0.349	0.396
	FR1 n30	10M	QPSK	25	14	-	Bottom Side	9mm	Ant 9	DSi4	462000	2310	1	23.40	24.00	1.148	-	-	0.07	0.339	0.389
	FR1 n30	10M	QPSK	1	1	-	Back	0mm	Ant 1	DSi6	462000	2310	1	18.45	19.50	1.274	-	-	0.15	1.120	1.426
	FR1 n30	10M	QPSK	25	14	-	Back	0mm	Ant 1	DSi6	462000	2310	1	18.32	19.50	1.312	-	-	-0.01	1.130	1.483
	FR1 n30	10M	QPSK	1	1	-	Top Side	0mm	Ant 1	DSi6	462000	2310	1	18.45	19.50	1.274	-	-	0.08	1.910	2.432
	FR1 n30	10M	QPSK	25	14	-	Top Side	0mm	Ant 1	DSi6	462000	2310	1	18.32	19.50	1.312	-	-	0.13	1.870	2.454
	FR1 n30	10M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSi6	462000	2310	1	18.05	19.50	1.396	-	-	-0.16	1.500	2.095
	FR1 n30	10M	QPSK	1	1	-	Back	9mm	Ant 1	DSi4	462000	2310	1	22.33	24.00	1.469	-	-	0.01	0.764	1.122
	FR1 n30	10M	QPSK	25	14	-	Back	9mm	Ant 1	DSi4	462000	2310	1	22.28	24.00	1.486	-	-	-0.15	0.753	1.119
	FR1 n30	10M	QPSK	1	1	-	Top Side	10mm	Ant 1	DSi4	462000	2310	1	22.33	24.00	1.469	-	-	0.19	0.882	1.296
2600MHz																					
117	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	21100	2535	1	21.41	22.40	1.256	-	-	0.02	2.540	3.190
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	20850	2510	1	21.18	22.40	1.324	-	-	-0.14	2.360	3.125
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	21350	2560	1	21.13	22.40	1.340	-	-	0.18	2.360	3.162
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSi6	21100	2535	1	21.32	22.40	1.282	-	-	0.13	2.040	2.616
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSi6	20850	2510	1	21.10	22.40	1.349	-	-	0.12	2.010	2.711



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	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	21350	2560	1	21.21	22.40	1.315	-	-	0.19	1.970	2.591
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 9	DSI6	21100	2535	1	21.28	22.40	1.294	-	-	-0.1	2.120	2.744
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	21100	2535	1	21.41	22.40	1.256	-	-	0.06	1.120	1.407
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 9	DSI6	21100	2535	1	21.32	22.40	1.282	-	-	-0.03	0.987	1.266
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	21100	2535	1	21.41	22.40	1.256	-	-	0.1	1.820	2.286
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	20850	2510	1	21.18	22.40	1.324	-	-	-0.04	1.470	1.947
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	21350	2560	1	21.13	22.40	1.340	-	-	0.1	1.530	2.050
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	21100	2535	1	21.32	22.40	1.282	-	-	0.03	1.570	2.013
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	20850	2510	1	21.10	22.40	1.349	-	-	-0.02	1.280	1.727
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	21350	2560	1	21.21	22.40	1.315	-	-	-0.17	1.360	1.789
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 9	DSI6	21100	2535	1	21.28	22.40	1.294	-	-	-0.18	1.540	1.993
	LTE Band 7	20M	QPSK	1	0	-	Front	4mm	Ant 9	DSI4	21100	2535	1	23.29	24.00	1.178	-	-	-0.15	1.500	1.766
	LTE Band 7	20M	QPSK	1	0	-	Back	8mm	Ant 9	DSI4	21100	2535	1	23.29	24.00	1.178	-	-	-0.15	0.918	1.081
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 9	DSI4	21100	2535	1	23.29	24.00	1.178	-	-	0.11	0.651	0.767
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	21100	2535	1	15.96	17.30	1.361	-	-	0.02	1.770	2.410
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	20850	2510	1	15.82	17.30	1.406	-	-	-0.07	1.590	2.236
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI6	21350	2560	1	15.82	17.30	1.406	-	-	-0.01	1.670	2.348
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	21100	2535	1	15.92	17.30	1.374	-	-	0.15	1.460	2.006
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	20850	2510	1	15.85	17.30	1.396	-	-	0.14	1.500	2.095
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI6	21350	2560	1	15.87	17.30	1.390	-	-	-0.04	1.360	1.890
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI6	21100	2535	1	15.91	17.30	1.377	-	-	0.18	1.470	2.024
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSI4	21100	2535	1	21.66	23.00	1.361	-	-	-0.04	1.430	1.947
118	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	40620	2593	1	23.12	24.00	1.225	62.9	1.006	0	2.660	3.277
	LTE Band 41C	20M	QPSK	1	99	-	Front	0mm	Ant 9	DSI6	40620+2593+40818	2612.8	1	22.87	24.00	1.297	62.9	1.006	0.06	2.250	2.936
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	39790	2510	1	23.02	24.00	1.253	62.9	1.006	0	2.230	2.811
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	39750	2506	1	22.96	24.00	1.271	62.9	1.006	0.18	2.190	2.799
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	40185	2549.5	1	22.93	24.00	1.279	62.9	1.006	-0.02	2.400	3.089
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	41055	2636.5	1	23.06	24.00	1.242	62.9	1.006	0.11	2.340	2.923
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	41490	2680	1	22.88	24.00	1.294	62.9	1.006	-0.07	1.930	2.513
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	40620	2593	1	23.10	24.00	1.230	62.9	1.006	-0.16	2.070	2.562
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	39790	2510	1	22.96	24.00	1.271	62.9	1.006	0.14	1.850	2.365
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	39750	2506	1	22.88	24.00	1.294	62.9	1.006	0.03	1.840	2.396
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	40185	2549.5	1	22.78	24.00	1.324	62.9	1.006	0.14	2.000	2.665
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	41055	2636.5	1	22.98	24.00	1.265	62.9	1.006	0.12	1.880	2.392
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	41490	2680	1	22.70	24.00	1.349	62.9	1.006	0.1	1.560	2.117
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 9	DSI6	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.16	2.080	2.604
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	40620	2593	1	23.12	24.00	1.225	62.9	1.006	-0.17	1.120	1.380
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 9	DSI6	40620	2593	1	23.10	24.00	1.230	62.9	1.006	0.19	1.030	1.275
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	40620	2593	1	23.12	24.00	1.225	62.9	1.006	0.04	2.040	2.513
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	39790	2510	1	23.02	24.00	1.253	62.9	1.006	0.03	1.570	1.979
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	39750	2506	1	22.96	24.00	1.271	62.9	1.006	0.14	1.540	1.968
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	40185	2549.5	1	22.93	24.00	1.279	62.9	1.006	-0.16	1.950	2.510
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	41055	2636.5	1	23.06	24.00	1.242	62.9	1.006	-0.11	1.830	2.286
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 9	DSI6	41490	2680	1	22.88	24.00	1.294	62.9	1.006	0.05	1.590	2.070
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	40620	2593	1	23.10	24.00	1.230	62.9	1.006	-0.02	1.620	2.005
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	39790	2510	1	22.96	24.00	1.271	62.9	1.006	-0.08	1.290	1.649
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	39750	2506	1	22.88	24.00	1.294	62.9	1.006	0.13	1.270	1.653
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	40185	2549.5	1	22.78	24.00	1.324	62.9	1.006	-0.07	1.550	2.065
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	41055	2636.5	1	22.98	24.00	1.265	62.9	1.006	0.18	1.460	1.858
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 9	DSI6	41490	2680	1	22.70	24.00	1.349	62.9	1.006	-0.04	1.280	1.737
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 9	DSI6	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.11	1.550	1.941
	LTE Band 41 PC2	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	40620	2593	1	24.85	25.60	1.189	42.9	1.009	0.06	2.630	3.154
	LTE Band 41C PC2	20M	QPSK	1	99	-	Front	0mm	Ant 9	DSI6	40620+2593+40818	2612.8	1	24.63	25.60	1.250	42.9	1.009	0.02	2.350	2.965
	LTE Band 41	20M	QPSK	1	0	-	Front	4mm	Ant 9	DSI4	40620	2593	1	23.12	24.00	1.225	62.9	1.006	-0.08	1.300	1.602
	LTE Band 41 PC2	20M	QPSK	1	0	-	Front	4mm	Ant 9	DSI4	40620	2593	1	26.14	27.00	1.219	42.9	1.009	0.04	1.620	1.993
	LTE Band 41	20M	QPSK	1	0	-	Back	8mm	Ant 9	DSI4	40185	2549.5	1	22.93	24.00	1.279	62.9	1.006	-0.17	0.603	0.776



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	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	8mm	Ant 9	DSi4	40185	2549.5	1	26.12	27.00	1.225	42.9	1.009	0.13	0.715	0.883
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 9	DSi4	40620	2593	1	23.12	24.00	1.225	62.9	1.006	-0.08	0.528	0.650
	LTE Band 41 PC2	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 9	DSi4	40620	2593	1	26.14	27.00	1.219	42.9	1.009	-0.18	0.666	0.819
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSi6	40620	2593	1	20.01	21.10	1.285	62.9	1.006	0.03	0.966	1.249
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSi6	40620	2593	1	19.99	21.10	1.291	62.9	1.006	0.07	0.783	1.017
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	40620	2593	1	20.01	21.10	1.285	62.9	1.006	-0.13	1.560	2.017
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	39790	2510	1	19.99	21.10	1.291	62.9	1.006	0	1.480	1.922
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	39750	2506	1	19.94	21.10	1.306	62.9	1.006	-0.18	1.790	2.352
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	40185	2549.5	1	19.86	21.10	1.330	62.9	1.006	0.09	1.800	2.409
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	41055	2636.5	1	19.97	21.10	1.297	62.9	1.006	0.05	1.910	2.492
	LTE Band 41C	20M	QPSK	1	99	-	Top Side	0mm	Ant 1	DSi6	41055+41253	2636.5+2656.3	1	19.72	21.10	1.374	62.9	1.006	0.02	1.750	2.419
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	41490	2680	1	19.96	21.10	1.300	62.9	1.006	0.13	1.750	2.289
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSi6	40620	2593	1	19.99	21.10	1.291	62.9	1.006	-0.08	1.060	1.377
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSi6	40620	2593	1	19.97	21.10	1.297	62.9	1.006	-0.15	1.050	1.370
	LTE Band 41 PC2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSi6	41055	2636.5	1	21.56	22.70	1.300	42.9	1.009	0.04	1.550	2.033
	LTE Band 41C PC2	20M	QPSK	1	99	-	Top Side	0mm	Ant 1	DSi6	41055+41253	2636.5+2656.3	1	21.34	22.70	1.368	42.9	1.009	-0.02	1.450	2.001
	LTE Band 41	20M	QPSK	1	0	-	Back	9mm	Ant 1	DSi4	40620	2593	1	22.74	24.00	1.337	62.9	1.006	-0.08	0.522	0.702
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	9mm	Ant 1	DSi4	40620	2593	1	25.82	27.00	1.312	42.9	1.009	0.04	0.589	0.780
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSi4	41055	2636.5	1	22.44	24.00	1.432	62.9	1.006	0.17	1.260	1.815
	LTE Band 41 PC2	20M	QPSK	1	0	-	Top Side	10mm	Ant 1	DSi4	41055	2636.5	1	25.72	27.00	1.343	42.9	1.009	0.01	1.660	2.249
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 9	DSi6	507000	2535	1	21.01	22.30	1.346	-	-	0.15	1.970	2.651
119	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 9	DSi6	507000	2535	1	20.96	22.30	1.361	-	-	0.09	2.370	3.227
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	0mm	Ant 9	DSi6	507000	2535	1	20.68	22.30	1.452	-	-	0.1	2.090	3.035
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 9	DSi6	507000	2535	1	21.01	22.30	1.346	-	-	-0.07	1.020	1.373
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 9	DSi6	507000	2535	1	20.96	22.30	1.361	-	-	0.01	0.970	1.321
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 9	DSi6	507000	2535	1	21.01	22.30	1.346	-	-	0.02	1.630	2.194
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 9	DSi6	507000	2535	1	20.96	22.30	1.361	-	-	-0.16	1.570	2.137
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 9	DSi6	507000	2535	1	20.68	22.30	1.452	-	-	-0.17	1.370	1.989
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	4mm	Ant 9	DSi4	507000	2535	1	23.55	24.00	1.109	-	-	0.07	1.170	1.298
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	4mm	Ant 9	DSi4	507000	2535	1	23.49	24.00	1.125	-	-	-0.18	1.210	1.361
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	8mm	Ant 9	DSi4	507000	2535	1	23.55	24.00	1.109	-	-	0.03	0.658	0.730
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	8mm	Ant 9	DSi4	507000	2535	1	23.49	24.00	1.125	-	-	-0.15	0.635	0.714
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	8mm	Ant 9	DSi4	507000	2535	1	23.43	24.00	1.140	-	-	-0.15	0.609	0.694
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	9mm	Ant 9	DSi4	507000	2535	1	23.55	24.00	1.109	-	-	-0.08	0.247	0.274
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	9mm	Ant 9	DSi4	507000	2535	1	23.49	24.00	1.125	-	-	-0.04	0.251	0.282
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSi6	507000	2535	1	15.92	17.30	1.374	-	-	0	1.180	1.621
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	DSi6	507000	2535	1	15.78	17.30	1.419	-	-	0.06	0.980	1.391
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	507000	2535	1	15.92	17.30	1.374	-	-	0.06	1.770	2.432
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	507000	2535	1	15.78	17.30	1.419	-	-	-0.18	1.350	1.916
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSi6	507000	2535	1	15.55	17.30	1.496	-	-	0.17	1.320	1.975
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	9mm	Ant 1	DSi4	507000	2535	1	22.34	24.00	1.466	-	-	-0.08	0.886	1.298
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 1	DSi4	507000	2535	1	22.34	24.00	1.466	-	-	0.17	0.900	1.319
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	518598	2592.99	1	20.90	22.00	1.288	-	-	-0.11	2.310	2.976
120	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	518598	2592.99	1	20.79	22.00	1.321	-	-	0.09	2.430	3.211
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	518598	2592.99	1	20.60	22.00	1.380	-	-	0.15	2.300	3.175
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	518598	2592.99	1	20.90	22.00	1.288	-	-	-0.02	1.050	1.353
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	518598	2592.99	1	20.79	22.00	1.321	-	-	-0.13	1.030	1.361
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 9	DSi6	518598	2592.99	1	20.90	22.00	1.288	-	-	-0.06	1.730	2.229
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 9	DSi6	518598	2592.99	1	20.79	22.00	1.321	-	-	0.14	1.100	1.453
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 9	DSi6	518598	2592.99	1	20.60	22.00	1.380	-	-	0.14	1.800	2.485
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	518598	2592.99	1	23.74	25.00	1.337	50	1.000	0.01	2.360	3.154
	FR1 n41_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	518598	2592.99	1	20.79	22.00	1.321	-	-	0.08	1.750	2.312
	FR1 n41_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	518598	2592.99	1	23.74	25.00	1.337	50	1.000	-0.03	1.690	2.259
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	4mm	Ant 9	DSi4	518598	2592.99	1	23.61	25.00	1.377	-	-	0.18	1.080	1.487
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	4mm	Ant 9	DSi4	518598	2592.99	1	23.53	25.00	1.403	-	-	-0.04	1.150	1.613



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	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	4mm	Ant 9	DSI4	518598	2592.99	1	24.37	26.00	1.455	50	1.000	0.02	0.750	1.092
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	8mm	Ant 9	DSI4	518598	2592.99	1	23.61	25.00	1.377	-	-	-0.08	0.459	0.632
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	8mm	Ant 9	DSI4	518598	2592.99	1	23.53	25.00	1.403	-	-	-0.13	0.463	0.650
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	8mm	Ant 9	DSI4	518598	2592.99	1	24.37	26.00	1.455	50	1.000	0.01	0.321	0.467
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	8mm	Ant 9	DSI4	518598	2592.99	1	23.47	25.00	1.422	-	-	-0.13	0.473	0.673
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	9mm	Ant 9	DSI4	518598	2592.99	1	23.61	25.00	1.377	-	-	0.06	0.207	0.285
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	9mm	Ant 9	DSI4	518598	2592.99	1	23.53	25.00	1.403	-	-	-0.03	0.208	0.292
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	9mm	Ant 9	DSI4	518598	2592.99	1	23.47	25.00	1.422	-	-	-0.03	0.215	0.306
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	9mm	Ant 9	DSI4	518598	2592.99	1	23.28	25.00	1.486	50	1.000	0.09	0.129	0.192
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	1	18.01	19.30	1.346	-	-	0.06	1.510	2.032
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	1	17.88	19.30	1.387	-	-	0.16	1.360	1.886
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI6	518598	2592.99	1	17.86	19.30	1.393	-	-	-0.09	1.250	1.741
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI6	518598	2592.99	1	18.01	19.30	1.346	-	-	0.04	1.840	2.476
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI6	518598	2592.99	1	17.88	19.30	1.387	-	-	-0.09	1.590	2.205
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI6	518598	2592.99	1	17.86	19.30	1.393	-	-	0.1	1.650	2.299
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI6	518598	2592.99	1	20.88	22.30	1.387	50	1.000	0.1	1.670	2.316
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI6	518598	2592.99	1	17.60	19.00	1.380	-	-	0.12	1.550	2.140
	FR1 n41_Main PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI6	518598	2592.99	1	20.88	22.00	1.294	50	1.000	-0.04	1.490	1.928
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 1	DSI4	518598	2592.99	1	23.47	24.00	1.130	-	-	-0.05	0.901	1.018
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 1	DSI4	518598	2592.99	1	26.41	27.00	1.146	50	1.000	0.02	0.888	1.017
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 1	DSI4	518598	2592.99	1	23.47	24.00	1.130	-	-	0.18	1.220	1.378
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 1	DSI4	518598	2592.99	1	26.41	27.00	1.146	50	1.000	0.03	1.180	1.352
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	DSI6	518598	2592.99	1	23.61	25.00	1.377	-	-	-0.16	1.100	1.515
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 6	DSI6	518598	2592.99	1	23.59	25.00	1.384	-	-	0.08	1.080	1.494
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 6	DSI6	518598	2592.99	1	23.61	25.00	1.377	-	-	-0.09	1.660	2.286
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 6	DSI6	518598	2592.99	1	23.59	25.00	1.384	-	-	0.16	1.340	1.854
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 6	DSI6	518598	2592.99	1	23.58	25.00	1.387	-	-	-0.06	1.790	2.482
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 6	DSI6	518598	2592.99	1	23.58	25.00	1.387	50	1.000	-0.17	0.936	1.298
	FR1 n41_Other PA	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 6	DSI6	518598	2592.99	1	21.56	22.00	1.107	-	-	-0.04	1.550	1.715
	FR1 n41_Other PA PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 6	DSI6	518598	2592.99	1	22.28	23.00	1.180	50	1.000	0.04	0.993	1.172
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	518598	2592.99	1	18.55	19.00	1.109	-	-	0	1.120	1.242
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	DSI6	518598	2592.99	1	18.45	19.00	1.135	-	-	0.19	1.000	1.135
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	1	18.55	19.00	1.109	-	-	0.08	2.010	2.229
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	1	18.45	19.00	1.135	-	-	0.13	1.650	1.873
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	1	18.45	19.00	1.135	-	-	0.13	1.650	1.873
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	1	20.97	22.00	1.268	50	1.000	0.06	1.880	2.383
	FR1 n41_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	1	21.13	22.00	1.222	-	-	0.06	1.670	2.040
	FR1 n41_Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	DSI6	518598	2592.99	1	21.71	23.00	1.346	50	1.000	-0.09	1.030	1.386
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 3	DSI4	518598	2592.99	1	20.97	22.00	1.268	-	-	0.08	0.329	0.417
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 3	DSI4	518598	2592.99	1	20.97	22.00	1.268	50	1.000	0.02	0.165	0.209
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 3	DSI4	518598	2592.99	1	20.97	22.00	1.268	-	-	-0.07	0.209	0.265
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 3	DSI4	518598	2592.99	1	20.97	22.00	1.268	50	1.000	0.01	0.111	0.141

3500MHz

	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	42590	3500	1	19.98	20.90	1.236	62.9	1.006	0.03	1.610	2.002
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	42190	3460	1	19.78	20.90	1.294	62.9	1.006	-0.05	1.490	1.940
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	42990	3540	1	19.69	20.90	1.321	62.9	1.006	-0.01	1.660	2.207
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI6	42590	3500	1	19.96	20.90	1.242	62.9	1.006	0.01	0.967	1.208
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Back	0mm	Ant 4	DSI6	42590	3500	1	19.79	20.90	1.291	62.9	1.006	0.1	0.839	1.090
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	9mm	Ant 4	DSI4	42990	3540	1	24.06	25.00	1.242	62.9	1.006	-0.17	0.371	0.463
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	42590	3500	1	19.37	20.50	1.297	62.9	1.006	-0.1	1.770	2.310
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	42190	3460	1	19.36	20.50	1.300	62.9	1.006	0.07	1.920	2.511
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	42990	3540	1	19.24	20.50	1.337	62.9	1.006	0.19	1.800	2.420
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Top Side	0mm	Ant 7	DSI6	42590	3500	1	19.34	20.50	1.306	62.9	1.006	-0.18	1.490	1.958
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Top Side	0mm	Ant 7	DSI6	42590	3500	1	19.30	20.50	1.318	62.9	1.006	-0.08	1.530	2.029
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Top Side	9mm	Ant 7	DSI4	42190	3460	1	22.35	23.50	1.303	62.9	1.006	0.07	0.499	0.654
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	42590	3500	1	23.18	24.50	1.355	62.9	1.006	-0.07	1.690	2.304



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	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	42190	3460	1	23.07	24.50	1.390	62.9	1.006	-0.13	1.420	1.986
121	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	42990	3540	1	23.00	24.50	1.413	62.9	1.006	-0.07	2.000	2.842
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	42590	3500	1	23.11	24.50	1.377	62.9	1.006	-0.01	1.440	1.995
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	42190	3460	1	22.97	24.50	1.422	62.9	1.006	0.16	1.260	1.803
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	42990	3540	1	22.90	24.50	1.445	62.9	1.006	-0.18	1.740	2.530
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Front	0mm	Ant 9	DSI6	42590	3500	1	23.08	24.50	1.387	62.9	1.006	0.1	1.440	2.009
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	4mm	Ant 9	DSI4	42990	3540	1	24.73	25.00	1.064	62.9	1.006	-0.03	1.120	1.199
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	0mm	Ant 8	DSI6	42590	3500	1	21.54	22.40	1.219	62.9	1.006	0.14	0.871	1.068
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	0mm	Ant 8	DSI6	42590	3500	1	20.64	21.40	1.191	62.9	1.006	-0.07	0.755	0.905
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	42590	3500	1	21.54	22.40	1.219	62.9	1.006	-0.08	1.880	2.305
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	42190	3460	1	21.31	22.40	1.285	62.9	1.006	0.04	1.690	2.185
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	42990	3540	1	21.48	22.40	1.236	62.9	1.006	0.08	2.020	2.512
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	DSI6	42590	3500	1	20.64	21.40	1.191	62.9	1.006	-0.05	1.630	1.953
	LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Right Side	0mm	Ant 8	DSI6	42590	3500	1	20.52	21.40	1.225	62.9	1.006	0.06	1.550	1.910
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	9mm	Ant 8	DSI4	42590	3500	1	21.76	23.00	1.330	62.9	1.006	0.14	0.481	0.644
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Right Side	9mm	Ant 8	DSI4	42990	3540	1	21.68	23.00	1.355	62.9	1.006	0.11	0.112	0.153
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	55830	3609	1	19.10	20.20	1.288	62.9	1.006	-0.09	1.850	2.398
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	55340	3560	1	18.93	20.20	1.340	62.9	1.006	0	1.830	2.466
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	56150	3641	1	18.98	20.20	1.324	62.9	1.006	0.11	1.840	2.451
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	56640	3690	1	19.04	20.20	1.306	62.9	1.006	0.14	1.890	2.483
	LTE Band 48C	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	56640+56442	3690+3670.2	1	18.58	20.20	1.452	62.9	1.006	0.02	1.720	2.513
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 7	DSI6	55830	3609	1	19.09	20.20	1.291	62.9	1.006	-0.15	1.630	2.117
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 7	DSI6	55340	3560	1	18.99	20.20	1.321	62.9	1.006	0.02	1.400	1.861
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 7	DSI6	56150	3641	1	19.02	20.20	1.312	62.9	1.006	-0.03	1.650	2.178
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 7	DSI6	56640	3690	1	18.87	20.20	1.358	62.9	1.006	0.08	1.740	2.378
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant 7	DSI6	55830	3609	1	18.80	20.20	1.380	62.9	1.006	-0.16	1.670	2.319
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	DSI6	56640	3690	1	17.55	18.50	1.245	62.9	1.006	0.06	1.530	1.916
	LTE Band 48	20M	QPSK	1	0	-	Top Side	9mm	Ant 7	DSI4	56640	3690	1	22.38	23.50	1.294	62.9	1.006	-0.05	0.935	1.217
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	55830	3609	1	21.36	22.20	1.213	62.9	1.006	0.02	2.040	2.490
	LTE Band 48C	20M	QPSK	1	99	-	Back	0mm	Ant 4	DSI6	55830+56028	3609+3628.8	1	20.83	22.20	1.371	62.9	1.006	0.03	1.680	2.317
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	55340	3560	1	21.23	22.20	1.250	62.9	1.006	0.12	1.680	2.113
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	56150	3641	1	21.29	22.20	1.233	62.9	1.006	0.02	1.820	2.258
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	56640	3690	1	21.33	22.20	1.222	62.9	1.006	-0.11	1.920	2.360
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI6	55830	3609	1	21.35	22.20	1.216	62.9	1.006	-0.06	1.850	2.263
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI6	55340	3560	1	21.33	22.20	1.222	62.9	1.006	-0.11	1.530	1.881
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI6	56150	3641	1	21.23	22.20	1.250	62.9	1.006	-0.05	1.500	1.887
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI6	56640	3690	1	21.18	22.20	1.265	62.9	1.006	0.03	1.530	1.947
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 4	DSI6	55830	3609	1	21.32	22.20	1.225	62.9	1.006	-0.06	1.860	2.291
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	DSI6	55830	3609	1	21.36	22.20	1.213	62.9	1.006	0.01	1.050	1.282
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	DSI6	55830	3609	1	21.35	22.20	1.216	62.9	1.006	0.02	0.872	1.067
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI6	55830	3609	1	19.97	21.50	1.422	62.9	1.006	0.02	1.690	2.418
	LTE Band 48	20M	QPSK	1	0	-	Back	9mm	Ant 4	DSI4	55830	3609	1	22.57	24.00	1.390	62.9	1.006	0.18	0.598	0.836
	LTE Band 48	20M	QPSK	1	0	-	Left Side	4mm	Ant 4	DSI4	55830	3609	1	22.57	24.00	1.390	62.9	1.006	0.14	0.283	0.396
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 8	DSI6	55830	3609	1	21.36	22.60	1.330	62.9	1.006	0.15	0.812	1.087
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 8	DSI6	55340	3560	1	21.33	22.60	1.340	62.9	1.006	0.03	0.765	1.031
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 8	DSI6	56150	3641	1	21.27	22.60	1.358	62.9	1.006	-0.1	0.904	1.235
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 8	DSI6	56640	3690	1	21.23	22.60	1.371	62.9	1.006	0.14	1.020	1.407
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 8	DSI6	55830	3609	1	21.34	22.60	1.337	62.9	1.006	-0.16	0.717	0.964
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 8	DSI6	55340	3560	1	21.28	22.60	1.355	62.9	1.006	-0.02	0.607	0.828
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 8	DSI6	56150	3641	1	21.29	22.60	1.352	62.9	1.006	0.1	0.711	0.967
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 8	DSI6	56640	3690	1	21.26	22.60	1.361	62.9	1.006	-0.1	0.818	1.120
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 8	DSI6	55830	3609	1	21.27	22.60	1.358	62.9	1.006	-0.05	0.733	1.002
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	55830	3609	1	21.36	22.60	1.330	62.9	1.006	-0.04	1.710	2.289
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	55340	3560	1	21.33	22.60	1.340	62.9	1.006	0.01	1.640	2.210
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	56150	3641	1	21.27	22.60	1.358	62.9	1.006	-0.09	1.690	2.309
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	56640	3690	1	21.23	22.60	1.371	62.9	1.006	0.08	1.770	2.441



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	LTE Band 48C	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	56640+56442	3690+3670.2	1	21.06	22.60	1.426	62.9	1.006	0.03	1.650	2.366
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	DSI6	55830	3609	1	21.34	22.60	1.337	62.9	1.006	0.03	1.330	1.788
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	DSI6	55340	3560	1	21.28	22.60	1.355	62.9	1.006	-0.11	1.310	1.786
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	DSI6	56150	3641	1	21.29	22.60	1.352	62.9	1.006	-0.16	1.380	1.877
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	DSI6	56640	3690	1	21.26	22.60	1.361	62.9	1.006	0.15	1.490	2.041
	LTE Band 48	20M	QPSK	100	0	-	Right Side	0mm	Ant 8	DSI6	55830	3609	1	21.27	22.60	1.358	62.9	1.006	-0.15	1.490	2.036
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 8	DSI6	55830	3609	1	21.36	22.60	1.330	62.9	1.006	0.06	1.140	1.526
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 8	DSI6	55340	3560	1	21.33	22.60	1.340	62.9	1.006	0.15	1.040	1.402
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 8	DSI6	56150	3641	1	21.27	22.60	1.358	62.9	1.006	-0.1	1.280	1.749
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 8	DSI6	56640	3690	1	21.23	22.60	1.371	62.9	1.006	0.17	1.250	1.724
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 8	DSI6	55830	3609	1	21.34	22.60	1.337	62.9	1.006	0.13	1.190	1.600
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 8	DSI6	55340	3560	1	21.28	22.60	1.355	62.9	1.006	-0.02	0.814	1.110
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 8	DSI6	56150	3641	1	21.29	22.60	1.352	62.9	1.006	0	0.922	1.254
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 8	DSI6	56640	3690	1	21.26	22.60	1.361	62.9	1.006	0.1	0.891	1.220
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant 8	DSI6	55830	3609	1	21.27	22.60	1.358	62.9	1.006	0.13	1.123	1.535
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSI6	56640	3690	1	19.68	20.50	1.208	62.9	1.006	-0.01	0.856	1.040
	LTE Band 48	20M	QPSK	1	0	-	Back	9mm	Ant 8	DSI4	56640	3690	1	22.31	23.00	1.172	62.9	1.006	-0.17	0.598	0.705
	LTE Band 48	20M	QPSK	1	0	-	Right Side	9mm	Ant 8	DSI4	56640	3690	1	22.31	23.00	1.172	62.9	1.006	0.17	0.051	0.060
	LTE Band 48	20M	QPSK	1	0	-	Top Side	9mm	Ant 8	DSI4	56150	3641	1	22.23	23.00	1.194	62.9	1.006	-0.05	0.359	0.431
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	55830	3609	1	22.52	23.40	1.225	62.9	1.006	-0.11	1.390	1.712
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	55340	3560	1	22.51	23.40	1.227	62.9	1.006	-0.02	1.410	1.741
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	56150	3641	1	22.45	23.40	1.245	62.9	1.006	-0.1	1.290	1.615
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSI6	56640	3690	1	22.43	23.40	1.250	62.9	1.006	0.14	1.140	1.434
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	55830	3609	1	22.48	23.40	1.236	62.9	1.006	0.04	1.100	1.368
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	55340	3560	1	22.38	23.40	1.265	62.9	1.006	-0.05	1.120	1.425
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	56150	3641	1	22.39	23.40	1.262	62.9	1.006	-0.04	1.060	1.346
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 9	DSI6	56640	3690	1	22.36	23.40	1.271	62.9	1.006	0.14	0.931	1.190
	LTE Band 48	20M	QPSK	100	0	-	Front	0mm	Ant 9	DSI6	55830	3609	1	22.46	23.40	1.242	62.9	1.006	0.03	1.120	1.399
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	55830	3609	1	22.52	23.40	1.225	62.9	1.006	0.16	2.090	2.575
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	55340	3560	1	22.51	23.40	1.227	62.9	1.006	0.01	1.710	2.112
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	56150	3641	1	22.45	23.40	1.245	62.9	1.006	-0.06	2.170	2.717
122	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	56640	3690	1	22.43	23.40	1.250	62.9	1.006	-0.03	2.330	2.931
	LTE Band 48C	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	56640+56442	3690+3670.2	1	21.95	23.40	1.396	62.9	1.006	0.02	2.010	2.824
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	DSI6	55830	3609	1	22.48	23.40	1.236	62.9	1.006	0.14	1.510	1.877
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	DSI6	55340	3560	1	22.38	23.40	1.265	62.9	1.006	-0.09	1.320	1.679
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	DSI6	56150	3641	1	22.39	23.40	1.262	62.9	1.006	-0.09	1.680	2.133
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	DSI6	56640	3690	1	22.36	23.40	1.271	62.9	1.006	-0.12	1.820	2.326
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 9	DSI6	55830	3609	1	22.46	23.40	1.242	62.9	1.006	-0.06	2.000	2.498
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	0mm	Ant 9	DSI6	56640	3690	1	22.45	23.00	1.135	62.9	1.006	-0.06	1.680	1.918
	LTE Band 48	20M	QPSK	1	0	-	Front	4mm	Ant 9	DSI4	55340	3560	1	23.10	24.00	1.230	62.9	1.006	0.01	1.350	1.671
	LTE Band 48	20M	QPSK	1	0	-	Back	8mm	Ant 9	DSI4	56640	3690	1	23.02	24.00	1.253	62.9	1.006	0.1	0.401	0.506
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7	DSI6	6416663624.99		1	18.69	19.60	1.233	-	-	0.13	0.600	0.740
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 7	DSI6	6416663624.99		1	18.54	19.60	1.276	-	-	0	0.643	0.821
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 7	DSI6	6416663624.99		1	18.32	19.60	1.343	-	-	-0.12	0.556	0.747
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	6416663624.99		1	18.69	19.60	1.233	-	-	-0.07	1.840	2.269
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	638000	3570	1	18.57	19.60	1.268	-	-	0	1.650	2.092
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	6453323679.98		1	18.62	19.60	1.253	-	-	-0.04	1.630	2.043
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	6416663624.99		1	18.54	19.60	1.276	-	-	0.09	1.970	2.515
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	638000	3570	1	18.47	19.60	1.297	-	-	-0.15	1.840	2.387
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	6453323679.98		1	18.53	19.60	1.279	-	-	0.11	1.750	2.239
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	6416663624.99		1	18.32	19.60	1.343	-	-	0.1	1.490	2.001
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	6416663624.99		1	18.54	19.60	1.276	-	-	0.05	0.734	0.937
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 7	DSI4	6416663624.99		1	23.35	24.00	1.161	-	-	0.05	0.427	0.496
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	9mm	Ant 7	DSI4	6416663624.99		1	23.13	24.00	1.222	-	-	-0.11	0.451	0.551
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 7	DSI4	6416663624.99		1	23.35	24.00	1.161	-	-	-0.12	0.672	0.780
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	9mm	Ant 7	DSI4	6416663624.99		1	23.13	24.00	1.222	-	-	0.03	0.701	0.856



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	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	6416663624.99	1	20.15	21.30	1.303	-	-	0.11	1.730	2.254
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	638000 3570	1	20.05	21.30	1.334	-	-	0.02	1.630	2.174
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	6453323679.98	1	20.13	21.30	1.309	-	-	-0.13	1.680	2.199
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	6416663624.99	1	20.07	21.30	1.327	-	-	-0.07	1.710	2.270
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	638000 3570	1	19.87	21.30	1.390	-	-	0.17	1.540	2.141
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	6453323679.98	1	19.88	21.30	1.387	-	-	0.06	1.560	2.163
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	6416663624.99	1	19.84	21.30	1.400	-	-	-0.08	1.500	2.099
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	DSi6	6416663624.99	1	20.15	21.30	1.303	-	-	0.18	0.886	1.155
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	0mm	Ant 4	DSi6	6416663624.99	1	20.07	21.30	1.327	-	-	0.12	1.110	1.473
	FR1 n48_Main PA	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 4	DSi6	6416663624.99	1	19.84	21.30	1.400	-	-	-0.06	1.570	2.197
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 4	DSi4	6416663624.99	1	23.74	24.00	1.062	-	-	-0.16	0.550	0.584
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	9mm	Ant 4	DSi4	6416663624.99	1	23.69	24.00	1.074	-	-	-0.02	0.561	0.603
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	9mm	Ant 4	DSi4	6416663624.99	1	23.67	24.00	1.079	-	-	0.15	0.581	0.627
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	4mm	Ant 4	DSi4	6416663624.99	1	23.74	24.00	1.062	-	-	-0.09	1.070	1.136
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	4mm	Ant 4	DSi4	6416663624.99	1	23.69	24.00	1.074	-	-	0.11	1.030	1.106
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	DSi6	6416663624.99	1	21.68	22.30	1.153	-	-	-0.14	1.050	1.211
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 8	DSi6	6416663624.99	1	21.56	22.30	1.186	-	-	0.01	1.020	1.209
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	6416663624.99	1	21.68	22.30	1.153	-	-	0.01	2.060	2.376
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	638000 3570	1	21.61	22.30	1.172	-	-	-0.13	1.860	2.180
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	6453323679.98	1	21.63	22.30	1.167	-	-	-0.01	1.960	2.287
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	6416663624.99	1	21.56	22.30	1.186	-	-	0.18	2.040	2.419
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	638000 3570	1	21.53	22.30	1.194	-	-	-0.09	1.630	1.946
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	6453323679.98	1	21.51	22.30	1.199	-	-	0.05	1.870	2.243
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSi6	6416663624.99	1	21.41	22.30	1.227	-	-	0.02	1.610	1.976
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 8	DSi6	6416663624.99	1	21.68	22.30	1.153	-	-	0.16	1.140	1.315
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 8	DSi6	6416663624.99	1	21.56	22.30	1.186	-	-	0.06	1.280	1.518
	FR1 n48_Main PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 8	DSi6	6416663624.99	1	21.56	22.30	1.186	-	-	0.01	1.420	1.684
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 8	DSi4	6416663624.99	1	22.36	24.00	1.459	-	-	0.02	0.756	1.103
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	9mm	Ant 8	DSi4	6416663624.99	1	22.25	24.00	1.496	-	-	0.04	0.810	1.212
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 8	DSi4	6416663624.99	1	22.36	24.00	1.459	-	-	0.16	0.013	0.019
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 8	DSi4	6416663624.99	1	22.36	24.00	1.459	-	-	0.05	0.366	0.534
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	9mm	Ant 8	DSi4	6416663624.99	1	22.25	24.00	1.496	-	-	0.05	0.375	0.561
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	6416663624.99	1	21.09	21.50	1.099	-	-	-0.04	1.590	1.747
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 9	DSi6	6416663624.99	1	21.02	21.50	1.117	-	-	-0.09	1.520	1.698
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	6416663624.99	1	21.09	21.50	1.099	-	-	0.11	1.980	2.176
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	638000 3570	1	20.97	21.50	1.130	-	-	-0.17	1.850	2.090
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	6453323679.98	1	20.95	21.50	1.135	-	-	-0.04	1.750	1.986
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	6416663624.99	1	21.02	21.50	1.117	-	-	0.07	2.090	2.334
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	638000 3570	1	20.84	21.50	1.164	-	-	-0.05	1.820	2.119
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	6453323679.98	1	20.83	21.50	1.167	-	-	0	1.910	2.229
123	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	6416663624.99	1	20.98	21.50	1.127	-	-	-0.09	2.600	2.931
	FR1 n48_Other PA	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	6416663624.99	1	20.98	21.50	1.127	-	-	-0.09	1.080	1.217
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	4mm	Ant 9	DSi4	6416663624.99	1	24.08	25.00	1.236	-	-	-0.03	1.480	1.829
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	8mm	Ant 9	DSi4	6416663624.99	1	24.08	25.00	1.236	-	-	-0.15	0.313	0.387
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	8mm	Ant 9	DSi4	6416663624.99	1	24.07	25.00	1.239	-	-	0.02	0.325	0.403
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	8mm	Ant 9	DSi4	6416663624.99	1	23.45	25.00	1.429	-	-	0.07	0.351	0.502
124	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	656000 3840	1	17.71	19.30	1.442	-	-	0.03	1.710	2.466
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	656000 3840	1	17.56	19.30	1.493	-	-	0.05	1.650	2.463
	FR1 n77 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	656000 3840	1	17.55	19.30	1.496	-	-	0.08	1.530	2.289
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	656000 3840	1	20.65	22.30	1.462	50	1.000	-0.18	1.600	2.339
	FR1 n77 Part 27O_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	656000 3840	1	17.71	19.30	1.442	-	-	-0.04	1.200	1.731
	FR1 n77 Part 27O PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	656000 3840	1	20.65	22.30	1.462	50	1.000	-0.03	1.180	1.725
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 7	DSi4	656000 3840	1	22.71	24.00	1.346	-	-	0.16	0.935	1.258
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 7	DSi4	656000 3840	1	25.69	27.00	1.352	50	1.000	0.01	0.922	1.247
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	6333343500.01	1	17.70	19.30	1.445	-	-	0.11	0.981	1.418
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSi6	6333343500.01	1	17.56	19.30	1.493	-	-	0.08	1.400	2.090



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	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	633334	3500.01	1	17.33	19.30	1.574	-	-	-0.13	0.566	0.891
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	633334	3500.01	1	20.58	22.30	1.486	50	1.000	0.12	1.310	1.947
	FR1 n77 Part 27Q_ Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	633334	3500.01	1	17.56	19.30	1.493	-	-	0.02	0.948	1.415
	FR1 n77 Part 27Q_ Other PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	633334	3500.01	1	20.58	22.30	1.486	50	1.000	-0.11	0.912	1.355
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	DSI6	633334	3500.01	1	17.70	19.30	1.445	-	-	0.11	0.981	1.418
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	9mm	Ant 7	DSI4	633334	3500.01	1	22.74	24.00	1.337	-	-	0.13	0.560	0.748
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	9mm	Ant 7	DSI4	633334	3500.01	1	25.70	27.00	1.349	50	1.000	0.02	0.555	0.749
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	656000	3840	1	17.25	18.50	1.334	-	-	-0.02	1.480	1.974
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	656000	3840	1	17.10	18.50	1.380	-	-	0	1.240	1.712
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	DSI6	656000	3840	1	17.25	18.50	1.334	-	-	0.07	1.360	1.814
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	DSI6	656000	3840	1	17.10	18.50	1.380	-	-	-0.12	1.120	1.546
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	656000	3840	1	20.29	21.50	1.321	50	1.000	0.02	1.360	1.797
	FR1 n77 Part 27O_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	656000	3840	1	17.25	18.50	1.334	-	-	0.06	1.210	1.614
	FR1 n77 Part 27O_Main PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	656000	3840	1	20.29	21.50	1.321	50	1.000	0.12	1.130	1.493
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 4	DSI4	656000	3840	1	23.31	24.00	1.172	-	-	-0.18	0.415	0.486
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 4	DSI4	656000	3840	1	26.27	27.00	1.183	50	1.000	0.02	0.402	0.476
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	4mm	Ant 4	DSI4	656000	3840	1	23.31	24.00	1.172	-	-	0.02	1.280	1.500
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	4mm	Ant 4	DSI4	656000	3840	1	26.27	27.00	1.183	50	1.000	0.09	1.190	1.408
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	633334	3500.01	1	17.56	18.50	1.242	-	-	0.05	1.500	1.862
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	633334	3500.01	1	17.52	18.50	1.253	-	-	-0.02	1.690	2.118
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	633334	3500.01	1	17.18	18.50	1.355	-	-	-0.03	1.300	1.762
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	633334	3500.01	1	20.51	21.50	1.256	50	1.000	0.05	1.520	1.909
	FR1 n77 Part 27Q_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	633334	3500.01	1	17.52	18.50	1.253	-	-	-0.01	1.470	1.842
	FR1 n77 Part 27Q_Main PA PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	DSI6	633334	3500.01	1	20.51	21.50	1.256	50	1.000	-0.06	1.390	1.746
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 4	DSI4	633334	3500.01	1	23.15	24.00	1.216	-	-	0.14	0.335	0.407
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant 4	DSI4	633334	3500.01	1	23.14	24.00	1.219	-	-	0.11	0.351	0.428
	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant 4	DSI4	633334	3500.01	1	26.20	27.00	1.202	50	1.000	0.03	0.347	0.417
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	DSI6	656000	3840	1	19.83	20.60	1.194	-	-	0.1	1.230	1.469
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	DSI6	656000	3840	1	19.71	20.60	1.227	-	-	-0.09	1.120	1.375
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	656000	3840	1	19.83	20.60	1.194	-	-	0.1	1.630	1.946
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	656000	3840	1	19.71	20.60	1.227	-	-	0.07	1.530	1.878
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	656000	3840	1	22.76	23.60	1.213	50	1.000	-0.16	1.580	1.917
	FR1 n77 Part 27O_ Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	656000	3840	1	18.49	19.00	1.125	-	-	0.12	1.790	2.013
	FR1 n77 Part 27O_ Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	656000	3840	1	21.75	22.00	1.059	50	1.000	-0.18	1.710	1.811
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 8	DSI4	656000	3840	1	22.73	24.00	1.340	-	-	-0.17	0.550	0.737
	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	9mm	Ant 8	DSI4	656000	3840	1	24.88	26.00	1.294	50	1.000	0.01	0.466	0.603
	FR1 n77 Part 27O_ Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 8	DSI4	656000	3840	1	21.39	22.50	1.291	-	-	-0.03	0.546	0.705
	FR1 n77 Part 27O_ Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 8	DSI4	656000	3840	1	21.75	22.50	1.189	50	1.000	0.09	0.301	0.358
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	633334	3500.01	1	20.33	20.60	1.064	-	-	-0.09	1.870	1.990
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	633334	3500.01	1	20.14	20.60	1.112	-	-	-0.02	1.670	1.857
	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	633334	3500.01	1	23.19	23.60	1.099	50	1.000	-0.13	1.760	1.934
	FR1 n77 Part 27Q_ Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	633334	3500.01	1	18.11	19.00	1.227	-	-	0.05	1.330	1.632
	FR1 n77 Part 27Q_ Other PA PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	DSI6	633334	3500.01	1	21.04	22.00	1.247	50	1.000	0.08	1.290	1.609
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 8	DSI4	633334	3500.01	1	23.25	24.00	1.189	-	-	0.08	0.467	0.555
	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 8	DSI4	633334	3500.01	1	25.35	26.00	1.161	50	1.000	0	0.400	0.465



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)
2450MHz																	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 2+3(2)	Standalone	1	2412	1	18.26	19.50	1.330	98.29	1.017	-0.08	1.680	2.273
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 2+3(3)	Standalone	6	2437	1	18.86	20.00	1.300	98.29	1.017	0.1	1.640	2.169
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 2+3(2)	Standalone	11	2462	1	18.36	19.50	1.300	98.29	1.017	-0.18	1.850	2.446
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 2+3(2)	Standalone	1	2412	1	18.26	19.50	1.330	98.29	1.017	0.1	1.060	1.434
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 2+3(2)	Standalone	1	2412	1	18.26	19.50	1.330	98.29	1.017	-0.08	0.837	1.133
126	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 2+3(2)	Standalone	1	2412	1	18.26	19.50	1.330	98.29	1.017	0.08	2.520	3.410
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 2+3(3)	Standalone	6	2437	1	18.86	20.00	1.300	98.29	1.017	0.12	2.430	3.213
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 2+3(2)	Standalone	11	2462	1	18.36	19.50	1.300	98.29	1.017	0.08	2.130	2.816
	WLAN2.4GHz	802.11g 6Mbps	Top Side	0mm	Ant 2+3(3)	Standalone	6	2437	1	18.25	20.00	1.496	99.43	1.006	0.01	1.950	2.935
	WLAN2.4GHz	802.11g 6Mbps	Top Side	0mm	Ant 2+3(2)	Standalone	1	2412	1	17.20	19.00	1.514	99.43	1.006	0.09	1.510	2.299
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 2+3(2)	Simultaneous	1	2412	1	12.81	14.50	1.476	98.29	1.017	-0.08	0.410	0.615
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 2+3(2)	Simultaneous	1	2412	1	12.81	14.50	1.476	98.29	1.017	0.1	0.259	0.389
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 2+3(2)	Simultaneous	1	2412	1	12.81	14.50	1.476	98.29	1.017	-0.02	0.615	0.923
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 2+3(2)	Simultaneous	1	2412	1	12.81	14.50	1.476	98.29	1.017	-0.08	0.231	0.347
	WLAN2.4GHz	802.11b 1Mbps	Front	6mm	Ant 2+3(2)	Full Power	6	2437	1	18.75	20.50	1.496	98.29	1.017	0.1	0.394	0.600
	WLAN2.4GHz	802.11b 1Mbps	Back	9mm	Ant 2+3(2)	Full Power	6	2437	1	18.75	20.50	1.496	98.29	1.017	-0.09	0.471	0.717
	WLAN2.4GHz	802.11b 1Mbps	Top Side	9mm	Ant 2+3(2)	Full Power	6	2437	1	18.75	20.50	1.496	98.29	1.017	0.07	0.496	0.755
5000MHz																	
127	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	46	5230	1	18.82	20.50	1.472	100	1.000	-0.03	2.010	2.959
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	38	5190	1	18.79	20.50	1.483	100	1.000	-0.05	1.640	2.431
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+8(5)	Standalone	46	5230	1	18.82	20.50	1.472	100	1.000	0.18	1.400	2.061
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+8(5)	Standalone	38	5190	1	18.79	20.50	1.483	100	1.000	0.14	1.120	1.660
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+8(5)	Simultaneous	42	5210	1	14.51	16.00	1.409	97.25	1.028	-0.01	0.624	0.904
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+8(5)	Simultaneous	42	5210	1	14.51	16.00	1.409	97.25	1.028	0.18	0.511	0.740
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	9mm	Ant 5+8(8)	Full Power	46	5230	1	20.32	22.00	1.472	100	1.000	-0.02	0.356	0.524
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	9mm	Ant 5+8(8)	Full Power	46	5230	1	20.32	22.00	1.472	100	1.000	-0.05	0.371	0.546
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+8(5)	Standalone	62	5310	1	18.98	20.50	1.419	100	1.000	-0.17	0.412	0.585
128	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	62	5310	1	18.98	20.50	1.419	100	1.000	-0.04	2.110	2.994
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	54	5270	1	18.81	20.50	1.476	100	1.000	0.17	2.000	2.951
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+8(5)	Standalone	62	5310	1	18.98	20.50	1.419	100	1.000	-0.05	0.184	0.261
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+8(5)	Standalone	62	5310	1	18.98	20.50	1.419	100	1.000	0.01	1.230	1.745
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+8(5)	Standalone	62	5310	1	18.98	20.50	1.419	100	1.000	-0.17	0.485	0.688
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+8(8)	Simultaneous	50	5250	1	15.70	16.50	1.202	100	1.000	-0.17	0.177	0.213
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+8(8)	Simultaneous	50	5250	1	15.70	16.50	1.202	100	1.000	-0.05	0.760	0.914
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+8(8)	Simultaneous	50	5250	1	15.70	16.50	1.202	100	1.000	0.01	0.539	0.648
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+8(8)	Simultaneous	50	5250	1	15.70	16.50	1.202	100	1.000	-0.17	0.239	0.287
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	6mm	Ant 5+8(8)	Full Power	62	5310	1	20.26	22.00	1.493	100	1.000	-0.15	0.112	0.167
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	9mm	Ant 5+8(8)	Full Power	62	5310	1	20.26	22.00	1.493	100	1.000	-0.02	0.443	0.661
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	9mm	Ant 5+8(8)	Full Power	62	5310	1	20.26	22.00	1.493	100	1.000	-0.09	0.406	0.606
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	9mm	Ant 5+8(8)	Full Power	62	5310	1	20.26	22.00	1.493	100	1.000	0.14	0.205	0.306
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+8(8)	Standalone	110	5550	1	20.83	22.50	1.469	100	1.000	0.04	0.563	0.827
129	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(8)	Standalone	110	5550	1	20.83	22.50	1.469	100	1.000	-0.01	1.870	2.747
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	102	5510	1	20.31	22.00	1.476	100	1.000	0.06	1.670	2.464
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+8(8)	Standalone	110	5550	1	20.83	22.50	1.469	100	1.000	-0.01	0.177	0.260
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+8(8)	Standalone	110	5550	1	20.83	22.50	1.469	100	1.000	-0.08	1.130	1.660
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+8(8)	Standalone	110	5550	1	20.83	22.50	1.469	100	1.000	0.05	0.319	0.469
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+8(8)	Simultaneous	114	5570	1	16.80	18.50	1.479	100	1.000	0.04	0.200	0.296
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+8(8)	Simultaneous	114	5570	1	16.80	18.50	1.479	100	1.000	-0.01	0.615	0.910
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+8(8)	Simultaneous	114	5570	1	16.80	18.50	1.479	100	1.000	-0.08	0.400	0.592
	WLAN5.5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+8(8)	Simultaneous	114	5570	1	16.80	18.50	1.479	100	1.000	0.05	0.114	0.169
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	6mm	Ant 5+8(8)	Full Power	110	5550	1	20.83	22.50	1.469	100	1.000	-0.15	0.225	0.331



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	WLAN5.5GHz	802.11n-HT40 MCS0	Back	9mm	Ant 5+8(8)	Full Power	110	5550	1	20.83	22.50	1.469	100	1.000	0.03	0.524	0.770
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	9mm	Ant 5+8(8)	Full Power	110	5550	1	20.83	22.50	1.469	100	1.000	-0.13	0.405	0.595
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	9mm	Ant 5+8(8)	Full Power	110	5550	1	20.83	22.50	1.469	100	1.000	0.16	0.139	0.204
	WLAN5.8GHz	802.11n-HT20 MCS0	Front	0mm	Ant 5+8(5)	Standalone	149	5745	1	20.20	22.00	1.513	96.35	1.038	0.03	1.210	1.900
130	WLAN5.8GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5+8(5)	Standalone	149	5745	1	20.20	22.00	1.513	96.35	1.038	-0.01	1.840	2.890
	WLAN5.8GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5+8(8)	Standalone	157	5785	1	20.82	22.50	1.472	96.35	1.038	0.18	1.780	2.719
	WLAN5.8GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+8(5)	Standalone	149	5745	1	20.20	22.00	1.513	96.35	1.038	0.16	1.530	2.403
	WLAN5.8GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+8(8)	Standalone	157	5785	1	20.82	22.50	1.472	96.35	1.038	-0.1	1.470	2.246
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+8(5)	Simultaneous	155	5775	1	15.81	17.50	1.476	97.25	1.028	0.03	0.448	0.680
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+8(5)	Simultaneous	155	5775	1	15.81	17.50	1.476	97.25	1.028	-0.01	0.601	0.912
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+8(5)	Simultaneous	155	5775	1	15.81	17.50	1.476	97.25	1.028	0.16	0.531	0.806
	WLAN5.8GHz	802.11n-HT20 MCS0	Front	6mm	Ant 5+8(5)	Full Power	149	5745	1	20.20	22.00	1.513	96.35	1.038	0	0.267	0.419
	WLAN5.8GHz	802.11n-HT20 MCS0	Back	9mm	Ant 5+8(5)	Full Power	149	5745	1	20.20	22.00	1.513	96.35	1.038	-0.11	0.373	0.586
	WLAN5.8GHz	802.11n-HT20 MCS0	Right Side	9mm	Ant 5+8(5)	Full Power	149	5745	1	20.20	22.00	1.513	96.35	1.038	-0.06	0.446	0.700



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)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Tilted	0mm	Ant 2+3(2)	Standalone	1	2412	14.27	16.00	1.489	98.29	1.017	-0.06	0.933	1	1.413
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Tilted	0mm	Ant 2+3(2)	Standalone	1	2412	14.27	16.00	1.489	98.29	1.017	0.01	0.922	1.012	1.397
1st	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSi7	23330	793	22.93	24.00	1.279	-	-	0.02	0.879	1	1.125
2nd	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSi7	23330	793	22.93	24.00	1.279	-	-	0.09	0.855	1.028	1.094
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSi7	4132	826.4	23.01	24.00	1.256	-	-	0.05	1.000	1	1.256
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSi7	4132	826.4	23.01	24.00	1.256	-	-	0.03	0.974	1.027	1.223
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSi7	1513	1752.6	18.53	19.20	1.167	-	-	0.04	1.100	1	1.283
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSi7	1513	1752.6	18.53	19.20	1.167	-	-	0.09	1.050	1.048	1.225
1st	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSi3	26340	1880	16.44	17.20	1.191	-	-	0.05	1.070	1	1.275
2nd	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSi3	26340	1880	16.44	17.20	1.191	-	-	0.02	1.040	1.029	1.239
1st	FR1 n30	10M	QPSK	25	14	-	Back	5mm	Ant 9	DSi7	462000	2310	21.42	22.50	1.282	-	-	0.06	0.998	1	1.280
2nd	FR1 n30	10M	QPSK	25	14	-	Back	5mm	Ant 9	DSi7	462000	2310	21.42	22.50	1.282	-	-	0.09	0.957	1.043	1.227
1st	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 9	DSi7	41055	2636.5	23.37	23.90	1.130	42.9	1.009	0.08	1.080	1	1.231
2nd	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 9	DSi7	41055	2636.5	23.37	23.90	1.130	42.9	1.009	0.02	1.040	1.038	1.186
1st	WLAN5GHz					802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	Standalone	114	5570	14.38	16.00	1.452	100	1.000	-0.05	0.809	1	1.175
2nd	WLAN5GHz					802.11ac-VHT160 MCS0	Back	5mm	Ant 5+8(8)	Standalone	114	5570	14.38	16.00	1.452	100	1.000	0.09	0.801	1.001	1.163
1st	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	DSi7	55830	3609	22.57	23.50	1.239	62.9	1.006	-0.07	1.040	1	1.296
2nd	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 9	DSi7	55830	3609	22.57	23.50	1.239	62.9	1.006	0.02	1.020	1.020	1.271
1st	FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	DSi7	656000	3840	20.87	21.20	1.079	-	-	-0.08	0.824	1	0.889
2nd	FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	DSi7	656000	3840	20.87	21.20	1.079	-	-	0.02	0.811	1.016	0.875
1st	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	DSi7	633334	3500.01	20.28	21.20	1.236	-	-	-0.05	0.986	1	1.219
2nd	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	DSi7	633334	3500.01	20.28	21.20	1.236	-	-	0.02	0.955	1.032	1.180

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSi6	1513	1752.6	21.89	22.80	1.233	-	-	0.06	2.610	1	3.218
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSi6	1513	1752.6	21.89	22.80	1.233	-	-	0.01	2.550	1.024	3.144
1st	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	376500	1882.5	21.42	22.20	1.197	-	-	0.05	2.660	1	3.183
2nd	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSi6	376500	1882.5	21.42	22.20	1.197	-	-	0.02	2.590	1.027	3.100
1st	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	27710	2310	21.98	22.90	1.236	-	-	0	2.550	1	3.152
2nd	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	27710	2310	21.98	22.90	1.236	-	-	0.06	2.510	1.016	3.102
1st	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	40620	2593	23.12	24.00	1.225	62.9	1.006	0	2.660	1	3.277
2nd	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 9	DSi6	40620	2593	23.12	24.00	1.225	62.9	1.006	0.01	2.620	1.015	3.228
1st	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSi6	42990	3540	21.48	22.40	1.236	62.9	1.006	0.08	2.020	1	2.512
2nd	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	DSi6	42990	3540	21.48	22.40	1.236	62.9	1.006	0.02	1.950	1.036	2.425
1st	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	641666	3624.99	20.98	21.50	1.127	-	-	-0.09	2.600	1	2.931
2nd	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 9	DSi6	641666	3624.99	20.98	21.50	1.127	-	-	0.02	2.450	1.061	2.762
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Top Side	0mm	Ant 2+3(2)	Standalone	1	2412	18.26	19.50	1.330	98.29	1.017	0.08	2.520	1	3.410
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Top Side	0mm	Ant 2+3(2)	Standalone	1	2412	18.26	19.50	1.330	98.29	1.017	0.02	2.360	1.068	3.193
1st	WLAN5.3GHz	-	-	-	-	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	62	5310	18.98	20.50	1.419	100	1.000	-0.04	2.110	1	2.994
2nd	WLAN5.3GHz	-	-	-	-	802.11n-HT40 MCS0	Back	0mm	Ant 5+8(5)	Standalone	62	5310	18.98	20.50	1.419	100	1.000	0.03	2.060	1.024	2.923

General Note:

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

16.6 TDD LTE and 5GNR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE B41 and 5GNR n41/n77/n78. The highest available duty cycle for Power Class 2 operation is 43.3% for LTE and 50% for 5GNR 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 5GNR 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 9-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)	24.00	27.00	Maximum Tune up Power (dBm)	16.80	18.40
Reported 1g SAR (W/kg)	0.221	0.293	Reported 1g SAR (W/kg)	0.843	0.885
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	30.30	29.96
Linearity SAR (W/kg)	0.302		Linearity SAR (W/kg)	0.834	
% deviation from expected linearity		-2.86%	% deviation from expected linearity		6.18%
LTE Band 41(HPUE) Ant 9-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn		
	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)	22.30	23.90	Maximum Tune up Power (dBm)	17.30	18.90
Reported 1g SAR (W/kg)	1.219	1.274	Reported 1g SAR (W/kg)	0.906	0.885
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	107.50	106.29	Frame Averaged (mW)	33.99	33.61
Linearity SAR (W/kg)	1.205		Linearity SAR (W/kg)	0.896	
% deviation from expected linearity		5.70%	% deviation from expected linearity		-1.21%
LTE Band 41(HPUE) Ant 9-Linearity Data for Hotspot			LTE Band 41(HPUE) Ant 1-Linearity Data for Hotspot		
	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)	22.30	23.90	Maximum Tune up Power (dBm)	12.00	13.60
Reported 1g SAR (W/kg)	1.175	1.231	Reported 1g SAR (W/kg)	0.625	0.581
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	107.50	106.29	Frame Averaged (mW)	10.03	9.92
Linearity SAR (W/kg)	1.162		Linearity SAR (W/kg)	0.618	
% deviation from expected linearity		5.96%	% deviation from expected linearity		-5.98%
LTE Band 41(HPUE) Ant 9-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 1-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)	24.00	25.60	Maximum Tune up Power (dBm)	22.10	22.70
Reported 10g SAR (W/kg)	3.277	3.154	Reported 10g SAR (W/kg)	2.492	2.033
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	157.21	Frame Averaged (mW)	102.66	80.63
Linearity SAR (W/kg)	3.240		Linearity SAR (W/kg)	1.957	
% deviation from expected linearity		-2.66%	% deviation from expected linearity		3.87%

LTE Band 41(HPUE) Ant 6-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)	23.00	24.70	Maximum Tune up Power (dBm)	18.00	19.60
Reported 1g SAR (W/kg)	0.841	0.881	Reported 1g SAR (W/kg)	0.895	0.801
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	127.79	Frame Averaged (mW)	39.94	39.49
Linearity SAR (W/kg)	0.851		Linearity SAR (W/kg)	0.885	
% deviation from expected linearity		3.54%	% deviation from expected linearity		-9.48%
LTE Band 41(HPUE) Ant 6-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 3-Linearity Data for Body-worn		
	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)	21.80	23.40	Maximum Tune up Power (dBm)	20.00	21.70

Reported 1g SAR (W/kg)	0.889	0.891	Reported 1g SAR (W/kg)	0.902	0.861
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	95.81	94.73	Frame Averaged (mW)	63.30	64.05
Linearity SAR (W/kg)	0.879		Linearity SAR (W/kg)	0.913	
% deviation from expected linearity		1.37%	% deviation from expected linearity		-5.66%
LTE Band 41(HPUE) Ant 6-Linearity Data for Hotspot			LTE Band 41(HPUE) Ant 3-Linearity Data for Hotspot		
	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)	20.20	21.80	Maximum Tune up Power (dBm)	18.30	19.90
Reported 1g SAR (W/kg)	0.550	0.577	Reported 1g SAR (W/kg)	0.584	0.625
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	66.28	65.54	Frame Averaged (mW)	42.80	42.31
Linearity SAR (W/kg)	0.544		Linearity SAR (W/kg)	0.577	
% deviation from expected linearity		6.10%	% deviation from expected linearity		8.24%

FR1 n41(HPUE) Ant 9-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)	25.00	28.00	Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.359	0.339	Reported 1g SAR (W/kg)	0.573	0.539
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	315.48	Frame Averaged (mW)	44.67	44.56
Linearity SAR (W/kg)	0.358		Linearity SAR (W/kg)	0.572	
% deviation from expected linearity		-5.35%	% deviation from expected linearity		-5.71%
FR1 n41(HPUE) Other PA Ant 9-Linearity Data for Head			FR1 n41(HPUE) Other PA 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)	24.00	27.00	Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.236	0.221	Reported 1g SAR (W/kg)	0.899	0.851
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	44.67	44.56
Linearity SAR (W/kg)	0.235		Linearity SAR (W/kg)	0.897	
% deviation from expected linearity		-6.13%	% deviation from expected linearity		-5.11%
FR1 n41(HPUE) Ant 9-Linearity Data for Body-worn			FR1 n41(HPUE) Ant 1-Linearity Data for Body-worn		
	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)	19.80	22.80	Maximum Tune up Power (dBm)	16.80	19.80
Reported 1g SAR (W/kg)	1.297	1.248	Reported 1g SAR (W/kg)	0.862	0.848
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	95.50	95.27	Frame Averaged (mW)	47.86	47.75
Linearity SAR (W/kg)	1.294		Linearity SAR (W/kg)	0.860	
% deviation from expected linearity		-3.55%	% deviation from expected linearity		-1.39%
FR1 n41(HPUE) Other PA Ant 9-Linearity Data for Body-worn			FR1 n41(HPUE) Other PA Ant 1-Linearity Data for Body-worn		
	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)	19.80	22.80	Maximum Tune up Power (dBm)	16.80	19.80
Reported 1g SAR (W/kg)	0.906	0.859	Reported 1g SAR (W/kg)	0.905	0.848
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	95.50	95.27	Frame Averaged (mW)	47.86	47.75
Linearity SAR (W/kg)	0.904		Linearity SAR (W/kg)	0.903	
% deviation from expected linearity		-4.96%	% deviation from expected linearity		-6.08%
FR1 n41(HPUE) Ant 9-Linearity Data for Hotspot			FR1 n41(HPUE) Ant 1-Linearity Data for Hotspot		
	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)	19.80	22.80	Maximum Tune up Power (dBm)	10.80	13.80
Reported 1g SAR (W/kg)	1.297	1.248	Reported 1g SAR (W/kg)	0.554	0.556
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	95.50	95.27	Frame Averaged (mW)	12.02	11.99
Linearity SAR (W/kg)	1.294		Linearity SAR (W/kg)	0.553	
% deviation from expected linearity		-3.55%	% deviation from expected linearity		0.60%

FR1 n41(HPUE) Other PA Ant 9-Linearity Data for Hotspot			FR1 n41(HPUE) Other PA Ant 1-Linearity Data for Hotspot		
	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)	19.80	22.80	Maximum Tune up Power (dBm)	10.90	13.90
Reported 1g SAR (W/kg)	0.906	0.859	Reported 1g SAR (W/kg)	0.624	0.603
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	95.50	95.27	Frame Averaged (mW)	12.30	12.27
Linearity SAR (W/kg)	0.904		Linearity SAR (W/kg)	0.623	
% deviation from expected linearity		-4.96%	% deviation from expected linearity		-3.14%
FR1 n41(HPUE) Ant 9-Linearity Data for Extremity			FR1 n41(HPUE) Ant 1-Linearity Data for Extremity		
	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)	22.00	25.00	Maximum Tune up Power (dBm)	19.00	22.00
Reported 10g SAR (W/kg)	3.211	3.154	Reported 10g SAR (W/kg)	2.140	1.928
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	158.11	Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	3.203		Linearity SAR (W/kg)	2.135	
% deviation from expected linearity		-1.54%	% deviation from expected linearity		-9.69%
FR1 n41(HPUE) Other PA Ant 9-Linearity Data for Extremity			FR1 n41(HPUE) Other PA Ant 1-Linearity Data for Extremity		
	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)	22.00	25.00	Maximum Tune up Power (dBm)	19.30	22.30
Reported 10g SAR (W/kg)	2.312	2.259	Reported 10g SAR (W/kg)	2.476	2.316
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	158.11	Frame Averaged (mW)	85.11	84.91
Linearity SAR (W/kg)	2.307		Linearity SAR (W/kg)	2.470	
% deviation from expected linearity		-2.06%	% deviation from expected linearity		-6.24%

FR1 n41(HPUE) Ant 6-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)	22.70	23.70	Maximum Tune up Power (dBm)	13.00	16.00
Reported 1g SAR (W/kg)	0.877	0.604	Reported 1g SAR (W/kg)	0.501	0.465
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	186.21	117.21	Frame Averaged (mW)	19.95	19.91
Linearity SAR (W/kg)	0.552		Linearity SAR (W/kg)	0.500	
% deviation from expected linearity		9.41%	% deviation from expected linearity		-6.97%
FR1 n41(HPUE) Other PA Ant 6-Linearity Data for Head			FR1 n41(HPUE) Other PA 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)	22.70	23.00	Maximum Tune up Power (dBm)	14.10	17.10
Reported 1g SAR (W/kg)	0.861	0.434	Reported 1g SAR (W/kg)	0.880	0.802
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	186.21	99.76	Frame Averaged (mW)	25.70	25.64
Linearity SAR (W/kg)	0.461		Linearity SAR (W/kg)	0.878	
% deviation from expected linearity		-5.92%	% deviation from expected linearity		-8.65%
FR1 n41(HPUE) Ant 6-Linearity Data for Body-worn			FR1 n41(HPUE) Ant 3-Linearity Data for Body-worn		
	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)	23.50	26.00	Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.874	0.843	Reported 1g SAR (W/kg)	0.643	0.606
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	223.87	199.05	Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.777		Linearity SAR (W/kg)	0.641	
% deviation from expected linearity		8.48%	% deviation from expected linearity		-5.53%
FR1 n41(HPUE) Other PA Ant 6-Linearity Data for Body-worn			FR1 n41(HPUE) Other PA Ant 3-Linearity Data for Body-worn		
	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)	21.60	24.00	Maximum Tune up Power (dBm)	18.40	21.40
Reported 1g SAR (W/kg)	0.894	0.813	Reported 1g SAR (W/kg)	0.877	0.809



Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	144.54	125.59	Frame Averaged (mW)	69.18	69.02
Linearity SAR (W/kg)	0.777		Linearity SAR (W/kg)	0.875	
% deviation from expected linearity		4.66%	% deviation from expected linearity		-7.53%
FR1 n41(HPUE) Ant 6-Linearity Data for Hotspot			FR1 n41(HPUE) Ant 3-Linearity Data for Hotspot		
	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)	19.30	22.30	Maximum Tune up Power (dBm)	14.00	17.00
Reported 1g SAR (W/kg)	0.612	0.573	Reported 1g SAR (W/kg)	0.476	0.435
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	25.12	25.06
Linearity SAR (W/kg)	0.611		Linearity SAR (W/kg)	0.475	
% deviation from expected linearity		-6.15%	% deviation from expected linearity		-8.40%
FR1 n41(HPUE) Other PA Ant 6-Linearity Data for Hotspot			FR1 n41(HPUE) Other PA Ant 3-Linearity Data for Hotspot		
	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)	19.30	22.30	Maximum Tune up Power (dBm)	14.00	17.00
Reported 1g SAR (W/kg)	0.269	0.258	Reported 1g SAR (W/kg)	0.642	0.588
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	25.12	25.06
Linearity SAR (W/kg)	0.268		Linearity SAR (W/kg)	0.640	
% deviation from expected linearity		-3.86%	% deviation from expected linearity		-8.19%
FR1 n41(HPUE) Ant 6-Linearity Data for Extremity			FR1 n41(HPUE) Ant 3-Linearity Data for Extremity		
	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)	25.00	25.00	Maximum Tune up Power (dBm)	19.00	22.00
Reported 10g SAR (W/kg)	2.660	1.391	Reported 10g SAR (W/kg)	2.229	2.383
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	158.11	Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	1.330		Linearity SAR (W/kg)	2.224	
% deviation from expected linearity		4.59%	% deviation from expected linearity		7.16%
FR1 n41(HPUE) Other PA Ant 6-Linearity Data for Extremity			FR1 n41(HPUE) Other PA Ant 3-Linearity Data for Extremity		
	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)	22.00	23.00	Maximum Tune up Power (dBm)	22.00	23.00
Reported 10g SAR (W/kg)	1.715	1.172	Reported 10g SAR (W/kg)	2.040	1.386
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	99.76	Frame Averaged (mW)	158.49	99.76
Linearity SAR (W/kg)	1.080		Linearity SAR (W/kg)	1.284	
% deviation from expected linearity		8.57%	% deviation from expected linearity		7.94%

FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Head			FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Head		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	14.80	17.80	Maximum Tune up Power (dBm)	21.00	24.00
Reported 1g SAR (W/kg)	0.885	0.825	Reported 1g SAR (W/kg)	0.530	0.500
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	30.20	30.13	Frame Averaged (mW)	125.89	125.59
Linearity SAR (W/kg)	0.883		Linearity SAR (W/kg)	0.529	
% deviation from expected linearity		-6.56%	% deviation from expected linearity		-5.44%
FR1 n77 Part 270(HPUE) Other PA Ant 7-Linearity Data for Head			FR1 n77 Part 270(HPUE) Other PA Ant 4-Linearity Data for Head		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	14.80	17.80	Maximum Tune up Power (dBm)	19.00	22.00
Reported 1g SAR (W/kg)	0.396	0.362	Reported 1g SAR (W/kg)	0.806	0.775
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	30.20	30.13	Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	0.395		Linearity SAR (W/kg)	0.804	
% deviation from expected linearity		-8.37%	% deviation from expected linearity		-3.62%
FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Head			FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Head		

	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	14.80	17.80	Maximum Tune up Power (dBm)	19.00	22.00
Reported 1g SAR (W/kg)	0.845	0.780	Reported 1g SAR (W/kg)	0.305	0.278
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	30.20	30.13	Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	0.843		Linearity SAR (W/kg)	0.304	
% deviation from expected linearity		-7.47%	% deviation from expected linearity		-8.64%
FR1 n77 Part 27Q(HPUE) Other PA Ant 7-Linearity Data for Head			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Head		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	14.80	17.80	Maximum Tune up Power (dBm)	21.00	24.00
Reported 1g SAR (W/kg)	0.570	0.546	Reported 1g SAR (W/kg)	0.273	0.254
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	30.20	30.13	Frame Averaged (mW)	125.89	125.59
Linearity SAR (W/kg)	0.569		Linearity SAR (W/kg)	0.272	
% deviation from expected linearity		-3.98%	% deviation from expected linearity		-6.74%
FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Ant 4-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.876	0.841	Reported 1g SAR (W/kg)	0.510	0.487
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10	Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.874		Linearity SAR (W/kg)	0.509	
% deviation from expected linearity		-3.77%	% deviation from expected linearity		-4.28%
FR1 n77 Part 27Q(HPUE) Other PA Ant 7-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	16.10	19.10
Reported 1g SAR (W/kg)	0.821	0.795	Reported 1g SAR (W/kg)	0.686	0.663
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10	Frame Averaged (mW)	40.74	40.64
Linearity SAR (W/kg)	0.819		Linearity SAR (W/kg)	0.684	
% deviation from expected linearity		-2.94%	% deviation from expected linearity		-3.12%
FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Ant 4-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.773	0.749	Reported 1g SAR (W/kg)	0.568	0.522
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10	Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.771		Linearity SAR (W/kg)	0.567	
% deviation from expected linearity		-2.87%	% deviation from expected linearity		-7.88%
FR1 n77 Part 27Q(HPUE) Other PA Ant 7-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	16.10	19.10
Reported 1g SAR (W/kg)	0.752	0.678	Reported 1g SAR (W/kg)	0.824	0.740
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10	Frame Averaged (mW)	40.74	40.64
Linearity SAR (W/kg)	0.750		Linearity SAR (W/kg)	0.822	
% deviation from expected linearity		-9.63%	% deviation from expected linearity		-9.98%
FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Ant 4-Linearity Data for Hotspot		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	12.50	15.50	Maximum Tune up Power (dBm)	14.00	17.00
Reported 1g SAR (W/kg)	0.611	0.580	Reported 1g SAR (W/kg)	0.392	0.366
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	17.78	17.74	Frame Averaged (mW)	25.12	25.06



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Linearity SAR (W/kg)	0.610		Linearity SAR (W/kg)	0.391	
% deviation from expected linearity		-4.85%	% deviation from expected linearity		-6.41%
FR1 n77 Part 270(HPUE) Other PA Ant 7-Linearity Data for Hotspot			FR1 n77 Part 270(HPUE) Other PA Ant 4-Linearity Data for Hotspot		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	12.50	15.50	Maximum Tune up Power (dBm)	13.90	16.90
Reported 1g SAR (W/kg)	0.451	0.429	Reported 1g SAR (W/kg)	0.449	0.412
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	17.78	17.74	Frame Averaged (mW)	24.55	24.49
Linearity SAR (W/kg)	0.450		Linearity SAR (W/kg)	0.448	
% deviation from expected linearity		-4.65%	% deviation from expected linearity		-8.02%
FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Ant 4-Linearity Data for Hotspot		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	12.50	15.50	Maximum Tune up Power (dBm)	14.00	17.00
Reported 1g SAR (W/kg)	0.432	0.413	Reported 1g SAR (W/kg)	0.457	0.421
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	17.78	17.74	Frame Averaged (mW)	25.12	25.06
Linearity SAR (W/kg)	0.431		Linearity SAR (W/kg)	0.456	
% deviation from expected linearity		-4.17%	% deviation from expected linearity		-7.66%
FR1 n77 Part 27Q(HPUE) Other PA Ant 7-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Hotspot		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	12.50	15.50	Maximum Tune up Power (dBm)	13.90	16.90
Reported 1g SAR (W/kg)	0.281	0.256	Reported 1g SAR (W/kg)	0.520	0.475
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	17.78	17.74	Frame Averaged (mW)	24.55	24.49
Linearity SAR (W/kg)	0.280		Linearity SAR (W/kg)	0.519	
% deviation from expected linearity		-8.68%	% deviation from expected linearity		-8.44%
FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Extremity			FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Extremity		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	19.30	22.30	Maximum Tune up Power (dBm)	18.50	21.50
Reported 10g SAR (W/kg)	2.466	2.339	Reported 10g SAR (W/kg)	1.614	1.493
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	2.460		Linearity SAR (W/kg)	1.610	
% deviation from expected linearity		-4.92%	% deviation from expected linearity		-7.28%
FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Extremity			FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Extremity		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	19.30	22.30	Maximum Tune up Power (dBm)	18.50	21.50
Reported 10g SAR (W/kg)	1.731	1.725	Reported 10g SAR (W/kg)	1.974	1.797
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	1.727		Linearity SAR (W/kg)	1.969	
% deviation from expected linearity		-0.11%	% deviation from expected linearity		-8.75%
FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Extremity			FR1 n77 Part 27Q(HPUE) Ant 4-Linearity Data for Extremity		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	19.30	22.30	Maximum Tune up Power (dBm)	18.50	21.50
Reported 10g SAR (W/kg)	2.090	1.947	Reported 10g SAR (W/kg)	1.842	1.746
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	2.085		Linearity SAR (W/kg)	1.838	
% deviation from expected linearity		-6.62%	% deviation from expected linearity		-4.99%
FR1 n77 Part 27Q(HPUE) Other PA Ant 7-Linearity Data for Extremity			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Extremity		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	19.30	22.30	Maximum Tune up Power (dBm)	18.50	21.50



Reported 10g SAR (W/kg)	1.415	1.355	Reported 10g SAR (W/kg)	2.118	1.909
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	1.412		Linearity SAR (W/kg)	2.113	
% deviation from expected linearity		-4.01%	% deviation from expected linearity		-9.65%

FR1 n77 Part 27O(HPUE) Ant 8-Linearity Data for Head			FR1 n77 Part 27O(HPUE) Ant 9-Linearity Data for Head		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	17.70	20.70	Maximum Tune up Power (dBm)	22.00	22.00
Reported 1g SAR (W/kg)	0.818	0.761	Reported 1g SAR (W/kg)	0.120	0.065
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	58.88	58.74	Frame Averaged (mW)	158.49	79.24
Linearity SAR (W/kg)	0.816		Linearity SAR (W/kg)	0.060	
% deviation from expected linearity		-6.75%	% deviation from expected linearity		8.33%
FR1 n77 Part 27O(HPUE) Other PA Ant 8-Linearity Data for Head			FR1 n77 Part 27O(HPUE) Other PA Ant 9-Linearity Data for Head		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.338	0.326	Reported 1g SAR (W/kg)	0.287	0.269
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.337		Linearity SAR (W/kg)	0.286	
% deviation from expected linearity		-3.32%	% deviation from expected linearity		-6.05%
FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Head			FR1 n77 Part 27Q(HPUE) Ant 9-Linearity Data for Head		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	17.70	20.70	Maximum Tune up Power (dBm)	24.00	24.00
Reported 1g SAR (W/kg)	0.675	0.640	Reported 1g SAR (W/kg)	0.150	0.070
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	58.88	58.74	Frame Averaged (mW)	251.19	125.59
Linearity SAR (W/kg)	0.673		Linearity SAR (W/kg)	0.075	
% deviation from expected linearity		-4.96%	% deviation from expected linearity		-6.67%
FR1 n77 Part 27Q(HPUE) Other PA Ant 8-Linearity Data for Head			FR1 n77 Part 27Q(HPUE) Other PA Ant 9-Linearity Data for Head		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.318	0.293	Reported 1g SAR (W/kg)	0.329	0.299
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.317		Linearity SAR (W/kg)	0.328	
% deviation from expected linearity		-7.64%	% deviation from expected linearity		-8.90%
FR1 n77 Part 27O(HPUE) Ant 8-Linearity Data for Body-worn			FR1 n77 Part 27O(HPUE) Ant 9-Linearity Data for Body-worn		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	16.40	19.40	Maximum Tune up Power (dBm)	21.20	22.00
Reported 1g SAR (W/kg)	0.911	0.847	Reported 1g SAR (W/kg)	0.889	0.557
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	43.65	43.55	Frame Averaged (mW)	131.83	79.24
Linearity SAR (W/kg)	0.909		Linearity SAR (W/kg)	0.534	
% deviation from expected linearity		-6.80%	% deviation from expected linearity		4.23%
FR1 n77 Part 27O(HPUE) Other PA Ant 8-Linearity Data for Body-worn			FR1 n77 Part 27O(HPUE) Other PA Ant 9-Linearity Data for Body-worn		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00	Maximum Tune up Power (dBm)	21.20	24.20
Reported 1g SAR (W/kg)	0.742	0.732	Reported 1g SAR (W/kg)	0.777	0.824
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55	Frame Averaged (mW)	131.83	131.51
Linearity SAR (W/kg)	0.740		Linearity SAR (W/kg)	0.775	
% deviation from expected linearity		-1.11%	% deviation from expected linearity		6.30%

FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Ant 9-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	16.40	19.40	Maximum Tune up Power (dBm)	21.20	24.00
Reported 1g SAR (W/kg)	0.745	0.702	Reported 1g SAR (W/kg)	0.872	0.837
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	43.65	43.55	Frame Averaged (mW)	131.83	125.59
Linearity SAR (W/kg)	0.743		Linearity SAR (W/kg)	0.831	
% deviation from expected linearity		-5.55%	% deviation from expected linearity		0.75%
FR1 n77 Part 27Q(HPUE) Other PA Ant 8-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Other PA Ant 9-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00	Maximum Tune up Power (dBm)	21.20	24.20
Reported 1g SAR (W/kg)	0.847	0.780	Reported 1g SAR (W/kg)	1.219	1.108
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55	Frame Averaged (mW)	131.83	131.51
Linearity SAR (W/kg)	0.845		Linearity SAR (W/kg)	1.216	
% deviation from expected linearity		-7.69%	% deviation from expected linearity		-8.89%
FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Ant 9-Linearity Data for Hotspot		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	14.70	17.70	Maximum Tune up Power (dBm)	21.20	22.00
Reported 1g SAR (W/kg)	0.610	0.569	Reported 1g SAR (W/kg)	0.889	0.581
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	29.51	29.44	Frame Averaged (mW)	131.83	79.24
Linearity SAR (W/kg)	0.609		Linearity SAR (W/kg)	0.534	
% deviation from expected linearity		-6.50%	% deviation from expected linearity		8.72%
FR1 n77 Part 27Q(HPUE) Other PA Ant 8-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Other PA Ant 9-Linearity Data for Hotspot		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	13.00	16.00	Maximum Tune up Power (dBm)	21.20	24.20
Reported 1g SAR (W/kg)	0.651	0.610	Reported 1g SAR (W/kg)	0.777	0.824
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	19.95	19.91	Frame Averaged (mW)	131.83	131.51
Linearity SAR (W/kg)	0.649		Linearity SAR (W/kg)	0.775	
% deviation from expected linearity		-6.08%	% deviation from expected linearity		6.30%
FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Ant 9-Linearity Data for Hotspot		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	14.70	17.70	Maximum Tune up Power (dBm)	21.20	24.00
Reported 1g SAR (W/kg)	0.570	0.517	Reported 1g SAR (W/kg)	0.872	0.904
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	29.51	29.44	Frame Averaged (mW)	131.83	125.59
Linearity SAR (W/kg)	0.569		Linearity SAR (W/kg)	0.831	
% deviation from expected linearity		-9.08%	% deviation from expected linearity		8.81%
FR1 n77 Part 27Q(HPUE) Other PA Ant 8-Linearity Data for Hotspot			FR1 n77 Part 27Q(HPUE) Other PA Ant 9-Linearity Data for Hotspot		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	13.00	16.00	Maximum Tune up Power (dBm)	21.20	24.20
Reported 1g SAR (W/kg)	0.373	0.362	Reported 1g SAR (W/kg)	1.219	1.099
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	19.95	19.91	Frame Averaged (mW)	131.83	131.51
Linearity SAR (W/kg)	0.372		Linearity SAR (W/kg)	1.216	
% deviation from expected linearity		-2.72%	% deviation from expected linearity		-9.63%

FR1 n77 Part 27O(HPUE) Ant 8-Linearity Data for Extremity		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	20.60	23.60
Reported 10g SAR (W/kg)	1.946	1.917
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	114.82	114.54
Linearity SAR (W/kg)	1.941	
% deviation from expected linearity		-1.26%
FR1 n77 Part 27O(HPUE) Other PA Ant 8-Linearity Data for Extremity		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00
Reported 10g SAR (W/kg)	2.013	1.811
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	2.008	
% deviation from expected linearity		-9.82%
FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Extremity		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	20.60	23.60
Reported 10g SAR (W/kg)	1.990	1.934
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	114.82	114.54
Linearity SAR (W/kg)	1.985	
% deviation from expected linearity		-2.58%
FR1 n77 Part 27Q(HPUE) Other PA Ant 8-Linearity Data for Extremity		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00
Reported 10g SAR (W/kg)	1.632	1.609
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	1.628	
% deviation from expected linearity		-1.18%

Sensor off

LTE Band 41(HPUE) Ant 9-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn		
	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)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.515	0.692	Reported 1g SAR (W/kg)	0.608	0.763
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.703		Linearity SAR (W/kg)	0.830	
% deviation from expected linearity		-1.55%	% deviation from expected linearity		-8.05%
LTE Band 41(HPUE) Ant 9-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 1-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)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	1.602	1.993	Reported 10g SAR (W/kg)	1.815	2.249
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	2.186		Linearity SAR (W/kg)	2.477	
% deviation from expected linearity		-8.85%	% deviation from expected linearity		-9.21%

LTE Band 41(HPUE) Ant 6-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 3-Linearity Data for Body-worn		
	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	26.00	Maximum Tune up Power (dBm)	20.00	23.00
Reported 1g SAR (W/kg)	0.283	0.377	Reported 1g SAR (W/kg)	0.272	0.341
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	172.38	Frame Averaged (mW)	63.30	86.39
Linearity SAR (W/kg)	0.386		Linearity SAR (W/kg)	0.371	
% deviation from expected linearity		-2.40%	% deviation from expected linearity		-8.15%

FR1 n41(HPUE) Ant 9-Linearity Data for Body-worn			FR1 n41(HPUE) Other PA Ant 1-Linearity Data for Body-worn		
	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)	25.00	28.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.606	0.581	Reported 1g SAR (W/kg)	0.524	0.521
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	315.48	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.605		Linearity SAR (W/kg)	0.523	
% deviation from expected linearity		-3.90%	% deviation from expected linearity		-0.34%
FR1 n41(HPUE) Ant 9-Linearity Data for Extremity			FR1 n41(HPUE) Other PA Ant 1-Linearity Data for Extremity		
	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)	25.00	26.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	1.613	1.092	Reported 10g SAR (W/kg)	1.378	1.352
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	199.05	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	1.015		Linearity SAR (W/kg)	1.375	
% deviation from expected linearity		7.55%	% deviation from expected linearity		-1.65%

FR1 n41(HPUE) Ant 6-Linearity Data for Body-worn			FR1 n41(HPUE) Other PA Ant 3-Linearity Data for Body-worn		
	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)	25.00	26.00	Maximum Tune up Power (dBm)	23.00	23.00
Reported 1g SAR (W/kg)	0.300	0.178	Reported 1g SAR (W/kg)	0.322	0.164
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	199.05	Frame Averaged (mW)	199.53	99.76
Linearity SAR (W/kg)	0.189		Linearity SAR (W/kg)	0.161	
% deviation from expected linearity		-5.74%	% deviation from expected linearity		1.86%

FR1 n41(HPUE) Ant 3-Linearity Data for Extremity		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	22.00
Reported 10g SAR (W/kg)	0.417	0.209
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	79.24
Linearity SAR (W/kg)	0.209	
% deviation from expected linearity		0.24%

FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.712	0.694	Reported 1g SAR (W/kg)	0.435	0.433
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.710		Linearity SAR (W/kg)	0.434	
% deviation from expected linearity		-2.30%	% deviation from expected linearity		-0.22%

FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.402	0.425	Reported 1g SAR (W/kg)	0.260	0.243
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.401		Linearity SAR (W/kg)	0.259	
% deviation from expected linearity		5.97%	% deviation from expected linearity		-6.32%

FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Extremity			FR1 n77 Part 27Q(HPUE) Ant 4-Linearity Data for Extremity		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	1.258	1.247	Reported 10g SAR (W/kg)	1.500	1.408
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	1.255		Linearity SAR (W/kg)	1.496	
% deviation from expected linearity		-0.64%	% deviation from expected linearity		-5.91%

FR1 n77 Part 27Q(HPUE) Ant 7-Linearity Data for Extremity			FR1 n77 Part 27Q(HPUE) Other PA Ant 4-Linearity Data for Extremity		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	0.748	0.749	Reported 10g SAR (W/kg)	0.428	0.417
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.746		Linearity SAR (W/kg)	0.427	
% deviation from expected linearity		0.37%	% deviation from expected linearity		-2.34%

FR1 n77 Part 27O(HPUE) Ant 8-Linearity Data for Body-worn			FR1 n77 Part 27O(HPUE) Ant 9-Linearity Data for Body-worn		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	24.00	26.00	Maximum Tune up Power (dBm)	22.00	22.00
Reported 1g SAR (W/kg)	0.685	0.533	Reported 1g SAR (W/kg)	0.427	0.215
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	199.05	Frame Averaged (mW)	158.49	79.24
Linearity SAR (W/kg)	0.543		Linearity SAR (W/kg)	0.214	
% deviation from expected linearity		-1.81%	% deviation from expected linearity		0.70%
FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Body-worn			FR1 n77 Part 27Q(HPUE) Other PA Ant 9-Linearity Data for Body-worn		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	26.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.457	0.366	Reported 1g SAR (W/kg)	0.676	0.663
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	199.05	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.362		Linearity SAR (W/kg)	0.674	
% deviation from expected linearity		1.06%	% deviation from expected linearity		-1.69%

FR1 n77 Part 27O(HPUE) Ant 8-Linearity Data for Extremity		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	24.00	26.00
Reported 10g SAR (W/kg)	0.737	0.603
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	199.05
Linearity SAR (W/kg)	0.584	
% deviation from expected linearity		3.25%
FR1 n77 Part 27Q(HPUE) Ant 8-Linearity Data for Extremity		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	24.00	26.00
Reported 10g SAR (W/kg)	0.555	0.465
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	199.05
Linearity SAR (W/kg)	0.440	
% deviation from expected linearity		5.73%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN	Yes	Yes	Yes	Yes
3.	WWAN + 6GHz WLAN	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
6.	6GHz WLAN + Bluetooth	Yes	Yes		Yes
7.	WWAN +5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
8.	WWAN +6GHz WLAN + Bluetooth	Yes	Yes		Yes
9.	WWAN + 2.4GHz WLAN+ NFC				Yes
10.	WWAN + 5GHz/6GHz WLAN+ NFC				Yes
11.	WWAN + Bluetooth+ NFC				Yes
12.	5GHz/6GHz WLAN + Bluetooth+ NFC				Yes
13.	WWAN +5GHz/6GHz WLAN + Bluetooth+ NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- Qualcomm Smart Transmit algorithm support to WWAN except WIFI/BT and NFC. And this device supports inter-band ULCA and EN-DC combination operations with component carriers from different antenna groups. Each antenna group has controlled the total RF exposure from all transmitter to not exceed FCC limit. Therefore, in this report, it is evaluated whether the sum of the groups of each antenna does not exceed FCC limit or spatial separation is applied. In addition, each antenna group need to satisfy simultaneous transmission analysis with External radios (WIFI/BT and NFC) in this report.
- 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). WLAN6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- 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't transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz/6GHz and Bluetooth can't transmit simultaneously.
- According to the EUT characteristic, Bluetooth antennas cannot transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- For distance SAR and non-distance SAR at extremity exposure conditions always chose higher SAR to do co-located analysis.
- 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.
- For standalone WWAN, always choose the highest SAR among all 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 band.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - 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 17.7.

19. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis were compliant with KDB 447498 D01. For the device does not support FR2 or other MPE field measurement, therefore section 17 in the SAR report has no TER analysis according to KDB 987594 requirement.

17.1 MIMO SAR Test condition and verification

General Note:

- Smart Transmit EFS v20 (or lower) uses SISO Plimit to calculate RF exposure from MIMO transmission scenario. Therefore, if MIMO is supported for WWAN technologies (including 5G sub6 NR), below procedure should be performed for validity of Smart Transmit operation:
 - Below procedure should also be performed for Smart Transmit EFS v21 (or higher) if MIMO Plimit is not populated in the EFS but MIMO operation is supported for antennas belonging to the same antenna group (refer to Section 4.2.5 of Qualcomm's document 80-W2112-4).
- Measure SAR for supported MIMO scenarios in FTM mode with each of the MIMO antennas set to transmit continuously at $P_{test} = \text{minimum } \{P_{limit}(i), P_{max}(i); i=1 \text{ to } n \text{ MIMO antennas}\}$, where $P_{limit}(i)$ is the power level entered in the Smart Transmit EFS for antenna i under the corresponding tech/band/DSI. For Smart Transmit to ensure the compliance in MIMO transmission scenario, the below criteria should be met for measured MIMO SAR (i.e., highest peak spatial-average SAR from the measurement):

$$\text{reported } SAR_{MIMO} = \text{Measured MIMO } SAR_{MIMO} \text{ at } (P_{test} + \text{device total uncertainty}) \leq \text{calc. SAR}$$

$$\text{Where } \text{calc. SAR} = \sum_{i=1}^n \left[SAR_{design_target} * 10^{\left(\frac{\text{total uncertainty} + P_{test} - P_{limit}(i) - \text{backoff}(i)}{10} \right)} \right]$$

Here,

- n is number of MIMO antennas (in case of 2x2MIMO, $n=2$).
 - $P_{limit}(i)$ is EFS P_{limit} for antenna $i \in$ MIMO for a given tech/band/DSI. P_{limit} corresponds to SAR_{design_target} .
 - $\text{backoff}(i)$ is backoff from SAR_{design_target} used for the i th antenna's P_{limit} to meet TER with external radios (i.e., radios outside of Smart Transmit control). If EFS P_{limit} of antenna i corresponds to SAR_{design_target} , then $\text{backoff}(i) = 0$ in the above equation.
 - P_{test} (i.e., power level used for MIMO SAR measurement, $MIMO.SAR @ P_{test}$) = $\min \{P_{limit}(i), P_{max}(i), i = 1 \text{ to } n \text{ MIMO antenna}\}$. To further clarify, $P_{test} = \min \{P_{limit}(i), SISO.P_{max}(i), MIMO.P_{max}, i = 1 \text{ to } n \text{ antenna} \in MIMO\}$, where, P_{limit} corresponds to SAR_{design_target} ; $SISO.P_{max}$ and $MIMO.P_{max}$ correspond to the maximum output power (nominal levels without device uncertainty) that device is capable; here, P_{test} is nominal power level, not measured level.
- If the $\text{reported } SAR_{MIMO}$ does not meet the above condition, then $P_{limit}(i)$ for each of the MIMO antenna in the Smart Transmit EFS should be reduced by $10 * \log_{10}[\text{reported } SAR_{MIMO} / \text{calc. SAR}]$ dB.
 - Per Qualcomm's document guideline, WLAN MIMO Plimit is configured in the EFS and WLAN MIMO antennas belong to the same antenna group, then SAR measurement results at MIMO Plimit for the corresponding WLAN MIMO transmission scenario can be referred to section 16 in this report.
 - Per Qualcomm's document guideline, FR1 MIMO Plimit is not populated in the EFS file, but MIMO operation is supported for antennas belonging to the same antenna group, the detail FR1 MIMO analysis results please referred to appendix G.

17.2 Sub6 Antenna Groups

Qualcomm® Smart Transmit™ 3.0 of Smart Transmit (GEN2) Feature operates based on pre-defined sub6 antenna groups (AG). Sub6 Tx antennas in the device are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

- 1) Case 1: Demonstrate that Sum of maximum reported SAR from each of the sub6 AGs and the reported normalized SAR values from radios outside Smart Transmit should be less than regulatory limits for each supported DSI. This condition must be demonstrated for all antenna combinations of sub6 AGs.
 - i. For a given DSI, obtain the highest *reported* SAR for each antenna out of all supported technologies and frequency bands. Obtain the maximum *reported* SAR for each AG by taking the maximum out of *reported* SAR for all antennas belonging to each AG.
 - ii. Demonstrate that the sum of maximum reported SAR (normalized to regulatory limit) from each of the sub6 AGs and the sum of reported SAR (normalized to regulatory limit) from all supported radios outside of Smart Transmit should be less than 1.0
- 2) Case 2: If the Case 1 is NOT met, then for a given antenna grouping scheme plus external radios/antennas (ERs) (referred to as 'configuration'), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet SPLSR criteria (Section 4.3.2 (c) in FCC KDB 447498 D01 v06) for each exposure position under each supported DSI. For a given exposure position under a given DSI, prove all AG pairs, all ER pairs and all (AG, ER) pairs (if there are external radios outside Smart Transmit) in the configuration meet SPLSR.

This device supports two sub6 AG: AG0 and AG1, the detailed please refer to the below table:

Antenna Group 1 (AG0)	ANT1 & ANT3 & ANT4 & ANT6 & ANT7 & ANT8
Antenna Group 0 (AG1)	ANT0 & ANT9

- 3) This model's multi_Tx_factor is 1.0.

The conditions are verified through the following criterias:

- i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.
 1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets: { [max.SAR.AG0+ max.SAR.AG1] + WIFI/BT worst-case reported SAR} ≤ 1.6 (for 1g, or 4.0 for 10g). (WIFI/BT worst-case reported SAR is the worst SAR in all combinations of WIFI and BT simultaneous transmission)
- ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. This criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:
 - a. SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
 - b. Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
 - c. Use the 'closest' peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by 'closest', select the peak location out of all antennas (ε AGj) that is closest to the peak location of other AG where SPLSR is evaluated.
- iii) (combination of SPLSR & SAR1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6 antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the WIFI/BT antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to: {max.SAR.AG0 + worst-case reported SAR} ≤ 1.6 and {max.SAR.AG1+ worst-case reported SAR } ≤ 1.6 for compliance demonstration (for 1g, or 4.0 for 10g).

For summed SAR results and SPLSR detailed analysis, please refer to section 17.2/ 17.3 / 17.4 / 17.5 / 17.6 / 17.7 of this report. All of the combinations of sub6 antenna groups are sufficient to show that AG0 is mutually exclusive from AG1 and that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

17.3 Head Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant3	Ant4	Ant6	Ant7	Ant8	MAX
Right Cheek	0.900	0.362	0.895	0.881	0.532	0.210	0.900
Right Tilted	0.904	0.414	0.517	0.219	0.663	0.210	0.904
Left Cheek	0.759	0.895	0.774	0.861	0.819	0.890	0.895
Left Tilted	0.675	0.842	0.244	0.122	0.908	0.680	0.908

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant9	MAX
Right Cheek	0.294	0.227	0.294
Right Tilted	0.320	0.275	0.320
Left Cheek	0.216	0.372	0.372
Left Tilted	0.221	0.200	0.221

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN6GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	WLAN6GHz Ant5+8+BT Ant2	WLAN6GHz Ant5+8+BT Ant3	MAX
Right Cheek	0.187	0.111	0.110	0.162	0.106	0.273	0.272	0.217	0.216	0.273
Right Tilted	0.211	0.021	0.129	0.136	0.140	0.157	0.265	0.161	0.269	0.269
Left Cheek	0.370	0.162	0.284	0.387	0.413	0.549	0.671	0.575	0.697	0.697
Left Tilted	0.387	0.034	0.236	0.240	0.328	0.274	0.476	0.362	0.564	0.564

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case
Right Cheek	0.900	0.294	0.273	1.47
Right Tilted	0.904	0.320	0.269	1.49
Left Cheek	0.895	0.372	0.697	1.96
Left Tilted	0.908	0.221	0.564	1.69

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Left Cheek					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	0.216	0.759	0.697	1.67	1
Ant0-Ant3	0.216	0.895	0.697	1.81	2
Ant0-Ant4	0.216	0.774	0.697	1.69	3
Ant0-Ant6	0.216	0.861	0.697	1.77	4
Ant0-Ant7	0.216	0.819	0.697	1.73	5
Ant0-Ant8	0.216	0.890	0.697	1.80	6
Ant9-Ant1	0.372	0.759	0.697	1.83	7
Ant9-Ant3	0.372	0.895	0.697	1.96	8
Ant9-Ant4	0.372	0.774	0.697	1.84	9
Ant9-Ant6	0.372	0.861	0.697	1.93	10
Ant9-Ant7	0.372	0.819	0.697	1.89	11
Ant9-Ant8	0.372	0.890	0.697	1.96	12

Left Tilted					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	0.221	0.675	0.564	1.46	
Ant0-Ant3	0.221	0.842	0.564	1.63	13
Ant0-Ant4	0.221	0.244	0.564	1.03	
Ant0-Ant6	0.221	0.122	0.564	0.91	
Ant0-Ant7	0.221	0.908	0.564	1.69	14
Ant0-Ant8	0.221	0.680	0.564	1.47	
Ant9-Ant1	0.200	0.675	0.564	1.44	
Ant9-Ant3	0.200	0.842	0.564	1.61	15
Ant9-Ant4	0.200	0.244	0.564	1.01	
Ant9-Ant6	0.200	0.122	0.564	0.89	
Ant9-Ant7	0.200	0.908	0.564	1.67	16
Ant9-Ant8	0.200	0.680	0.564	1.44	

<Simultaneous Transmission analysis of WLAN/BT only without WWAN>:

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN6GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	WLAN6GHz Ant5+8+BT Ant2	WLAN6GHz Ant5+8+BT Ant3	MAX
Right Cheek	0.698	0.111	0.145	0.499	0.106	0.610	0.644	0.217	0.251	0.70
Right Tilted	0.785	0.021	0.170	0.490	0.140	0.511	0.660	0.161	0.310	0.79
Left Cheek	1.380	0.162	0.413	1.177	0.413	1.339	1.590	0.575	0.826	1.59
Left Tilted	1.413	0.034	0.183	0.783	0.328	0.817	0.966	0.362	0.511	1.41

17.4 Hotspot Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant3	Ant4	Ant6	Ant7	Ant8	MAX
Front	0.442	0.347	0.201	0.373	0.210	0.277	0.442
Back	0.691	0.642	0.642	0.515	0.369	0.651	0.691
Left Side	0.270	0.026	0.448	0.612	0.014	0.011	0.612
Right Side	0.170	0.203	0.008		0.136	0.570	0.570
Top Side	0.656	0.584	0.037	0.053	0.635	0.252	0.656

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant9	MAX
Front	1.069	1.296	1.296
Back	1.283	1.304	1.304
Left Side	0.238	0.685	0.685
Right Side	0.453	0.426	0.453
Top Side	1.292	1.134	1.292

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	MAX
Front	0.359	0.089	0.123	0.256	0.345	0.379	0.379
Back	0.562	0.211	0.181	0.537	0.748	0.718	0.748
Left Side	0.068	0.000	0.000	0.053	0.053	0.053	0.068
Right Side	0.273	0.207	0.035	0.272	0.479	0.307	0.479
Top Side	0.638	0.021	0.264	0.147	0.168	0.411	0.638

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN+BT worse case
Front	1.296	0.442	0.379	2.12
Back	1.304	0.691	0.748	2.74
Left Side	0.685	0.612	0.068	1.37
Right Side	0.453	0.570	0.479	1.50
Top Side		0.656	0.638	1.29
Front	1.292			1.29

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	1.069	0.442	0.379	1.89	41
Ant0-Ant3	1.069	0.347	0.379	1.80	42
Ant0-Ant4	1.069	0.201	0.379	1.65	43
Ant0-Ant6	1.069	0.373	0.379	1.82	44
Ant0-Ant7	1.069	0.210	0.379	1.66	45
Ant0-Ant8	1.069	0.277	0.379	1.73	46
Ant9-Ant1	1.296	0.442	0.379	2.12	47
Ant9-Ant3	1.296	0.347	0.379	2.02	48
Ant9-Ant4	1.296	0.201	0.379	1.88	49
Ant9-Ant6	1.296	0.373	0.379	2.05	50
Ant9-Ant7	1.296	0.210	0.379	1.89	51
Ant9-Ant8	1.296	0.277	0.379	1.95	52

Back					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	1.283	0.691	0.748	2.72	53
Ant0-Ant3	1.283	0.642	0.748	2.67	54
Ant0-Ant4	1.283	0.642	0.748	2.67	55
Ant0-Ant6	1.283	0.515	0.748	2.55	56
Ant0-Ant7	1.283	0.369	0.748	2.40	57
Ant0-Ant8	1.283	0.651	0.748	2.68	58
Ant9-Ant1	1.304	0.691	0.748	2.74	59
Ant9-Ant3	1.304	0.642	0.748	2.69	60
Ant9-Ant4	1.304	0.642	0.748	2.69	61
Ant9-Ant6	1.304	0.515	0.748	2.57	62
Ant9-Ant7	1.304	0.369	0.748	2.42	63
Ant9-Ant8	1.304	0.651	0.748	2.70	64

17.5 Body-Worn Accessory Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant3	Ant4	Ant6	Ant7	Ant8	MAX
Front	0.788	0.641	0.305	0.641	0.505	0.393	0.505
Back	0.914	0.888	0.888	0.894	0.920	0.919	0.920

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant9	MAX
Front	1.247	1.299	1.299
Back	1.295	1.304	1.304

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN6GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	WLAN6GHz Ant5+8+BT Ant2	WLAN6GHz Ant5+8+BT Ant3	MAX
Front	0.209	0.089	0.123	0.115	0.113	0.204	0.238	0.202	0.236	0.238
Back	0.379	0.211	0.181	0.388	0.456	0.599	0.569	0.667	0.637	0.667

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case
Front	1.299	0.505	0.238	2.04
Back	1.304	0.920	0.667	2.89

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	1.247	0.788	0.238	2.27	17
Ant0-Ant3	1.247	0.641	0.238	2.13	18
Ant0-Ant4	1.247	0.305	0.238	1.79	19
Ant0-Ant6	1.247	0.641	0.238	2.13	20
Ant0-Ant7	1.247	0.505	0.238	1.99	21
Ant0-Ant8	1.247	0.393	0.238	1.88	22
Ant9-Ant1	1.299	0.788	0.238	2.33	23
Ant9-Ant3	1.299	0.641	0.238	2.18	24
Ant9-Ant4	1.299	0.305	0.238	1.84	25
Ant9-Ant6	1.299	0.641	0.238	2.18	26
Ant9-Ant7	1.299	0.505	0.238	2.04	27
Ant9-Ant8	1.299	0.393	0.238	1.93	28

Back					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	1.295	0.914	0.667	2.88	29
Ant0-Ant3	1.295	0.888	0.667	2.85	30
Ant0-Ant4	1.295	0.888	0.667	2.85	31
Ant0-Ant6	1.295	0.894	0.667	2.86	32
Ant0-Ant7	1.295	0.920	0.667	2.88	33
Ant0-Ant8	1.295	0.919	0.667	2.88	34
Ant9-Ant1	1.304	0.914	0.667	2.89	35
Ant9-Ant3	1.304	0.888	0.667	2.86	36
Ant9-Ant4	1.304	0.888	0.667	2.86	37
Ant9-Ant6	1.304	0.894	0.667	2.87	38
Ant9-Ant7	1.304	0.920	0.667	2.89	39
Ant9-Ant8	1.304	0.919	0.667	2.89	40

<Simultaneous Transmission analysis of WLAN/BT only without WWAN>:

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN6GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	WLAN6GHz Ant5+8+BT Ant2	WLAN6GHz Ant5+8+BT Ant3	MAX
Front	0.778	0.129	0.153	0.338	0.113	0.467	0.491	0.242	0.266	0.49
Back	1.377	0.390	0.209	1.181	0.456	1.571	1.390	0.846	0.665	1.57

<Sensor off>

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:
<AG0 maximum reported SAR>:

Test Position	Ant1	Ant3	Ant4	Ant6	Ant7	Ant8	MAX
Front	0.695	0.341	0.270	0.377	0.391	0.371	0.695
Back	0.854	0.176	0.521	0.294	0.712	0.817	0.854

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant9	MAX
Front	0.930	0.849	0.930
Back	1.062	0.438	1.062

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR

NO	1	2	4	5	5	5	WLAN/BT worse case
Test Position	WLAN2.4GHz Ant6+8	WLAN5GHz Ant5+8	BT Ant2	BT Ant3	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	Summed 1g SAR (W/kg)
Front	0.431	0.336	0.001	0.111	0.337	0.447	0.447
Back	0.289	0.621	0.082	0.112	0.703	0.733	0.733

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG1+AG0+WLAN /BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.695	0.930	0.447	2.07
Back	0.854	1.062	0.733	2.65

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	0.930	0.695	0.447	2.07	81
Ant0-Ant3	0.930	0.341	0.447	1.72	82
Ant0-Ant4	0.930	0.270	0.447	1.65	83
Ant0-Ant6	0.930	0.377	0.447	1.75	84
Ant0-Ant7	0.930	0.391	0.447	1.77	85
Ant0-Ant8	0.930	0.371	0.447	1.75	86
Ant9-Ant1	0.849	0.695	0.447	1.99	87
Ant9-Ant3	0.849	0.341	0.447	1.64	88
Ant9-Ant4	0.849	0.270	0.447	1.57	
Ant9-Ant6	0.849	0.377	0.447	1.67	89
Ant9-Ant7	0.849	0.391	0.447	1.69	90
Ant9-Ant8	0.849	0.371	0.447	1.67	91

Back					
Ant combination	AG1	AG0	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	1.062	0.854	0.733	2.65	92
Ant0-Ant3	1.062	0.176	0.733	1.97	93
Ant0-Ant4	1.062	0.521	0.733	2.32	94
Ant0-Ant6	1.062	0.294	0.733	2.09	95
Ant0-Ant7	1.062	0.712	0.733	2.51	96
Ant0-Ant8	1.062	0.817	0.733	2.61	97
Ant9-Ant1	0.438	0.854	0.733	2.03	98
Ant9-Ant3	0.438	0.176	0.733	1.35	
Ant9-Ant4	0.438	0.521	0.733	1.69	99
Ant9-Ant6	0.438	0.294	0.733	1.47	
Ant9-Ant7	0.438	0.712	0.733	1.88	100
Ant9-Ant8	0.438	0.817	0.733	1.99	101

17.6 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.

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT+NFC:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant3	Ant4	Ant6	Ant7	Ant8	MAX
Front							0.000
Back	2.032	1.242	2.490	1.515	0.821	1.684	2.490
Left Side			1.814	2.482			2.482
Right Side						2.512	2.512
Top Side	2.492	2.383			2.515	1.749	2.515

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant9	MAX
Front	2.812	3.277	3.277
Back	2.153	2.931	2.931
Left Side		1.236	1.236
Right Side			0.000
Bottom Side	3.246	2.513	3.246

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN6GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	WLAN6GHz Ant5+8+BT Ant2	WLAN6GHz Ant5+8+BT Ant3	MAX
Front	0.615			0.680	0.228	0.680	0.680	0.228	0.228	0.680
Back	0.717			0.914	0.113	0.914	0.914	0.113	0.113	0.914
Left Side				0.261	0.004	0.261	0.261	0.004	0.004	0.261
Right Side	0.347			0.806	0.403	0.806	0.806	0.403	0.403	0.806
Top Side	0.923			0.306	0.179	0.306	0.306	0.179	0.179	0.923

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case+NFC>:

Test Position	AG1	AG0	WLAN/BT worst case	NFC	AG1+AG0+WLAN/BT worse case
Front	3.277		0.680	0.001	3.96
Back	2.931	2.490	0.914	0.024	6.36
Left Side	1.236	2.482	0.261	0.001	3.96
Right Side		2.512	0.806	0.001	3.32
Top Side		2.515	0.923	0.001	3.44
Bottom Side	3.246			0.001	3.25

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Back						
Ant combination	AG1	AG0	WLAN/BT worst case	NFC	AG1+AG0+WLAN +BT worse case+NFC	SPLSR
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant1	2.153	2.032	0.914	0.024	5.12	69
Ant0-Ant3	2.153	1.242	0.914	0.024	4.33	70
Ant0-Ant4	2.153	2.490	0.914	0.024	5.58	71
Ant0-Ant6	2.153	1.515	0.914	0.024	4.61	72
Ant0-Ant7	2.153	0.821	0.914	0.024	3.91	
Ant0-Ant8	2.153	1.684	0.914	0.024	4.78	74
Ant9-Ant1	2.931	2.032	0.914	0.024	5.90	75
Ant9-Ant3	2.931	1.242	0.914	0.024	5.11	76
Ant9-Ant4	2.931	2.490	0.914	0.024	6.36	77
Ant9-Ant6	2.931	1.515	0.914	0.024	5.38	78
Ant9-Ant7	2.931	0.821	0.914	0.024	4.69	79
Ant9-Ant8	2.931	1.684	0.914	0.024	5.55	80

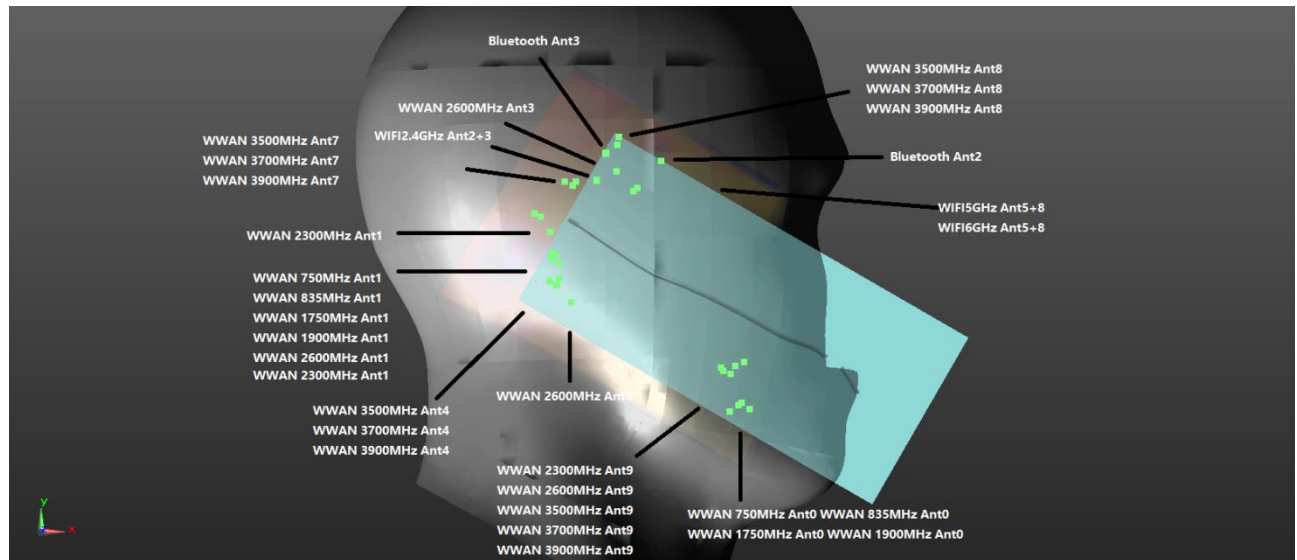
<Simultaneous Transmission analysis of WLAN/BT only without WWAN>:

Test Position	WLAN2.4GHz Ant2+3	BT Ant2	BT Ant3	WLAN5GHz Ant5+8	WLAN6GHz Ant5+8	WLAN5GHz Ant5+8+BT Ant2	WLAN5GHz Ant5+8+BT Ant3	WLAN6GHz Ant5+8+BT Ant2	WLAN6GHz Ant5+8+BT Ant3	MAX
Front	2.446			1.900	0.228	1.900	1.900	0.228	0.228	2.45
Back	1.434			2.994	0.113	2.994	2.994	0.113	0.113	2.99
Left Side				0.261	0.004	0.261	0.261	0.004	0.004	0.26
Right Side	1.133			2.403	0.403	2.403	2.403	0.403	0.403	2.40
Top Side	3.410			0.688	0.179	0.688	0.688	0.179	0.179	3.41

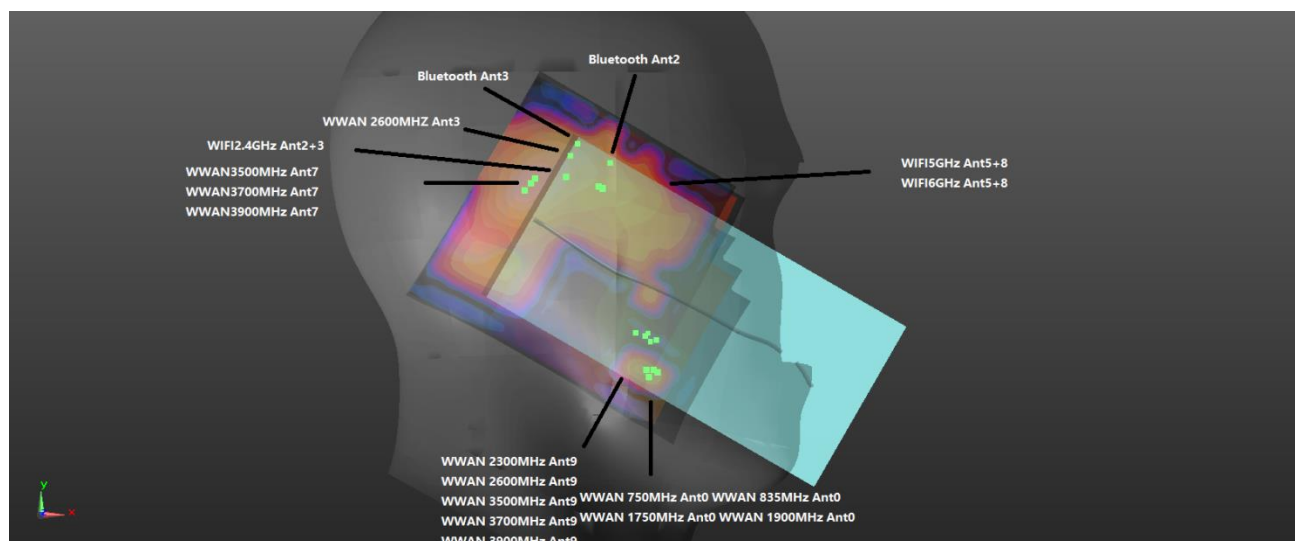
17.7 SPLSR Evaluation and Analysis

General Note:

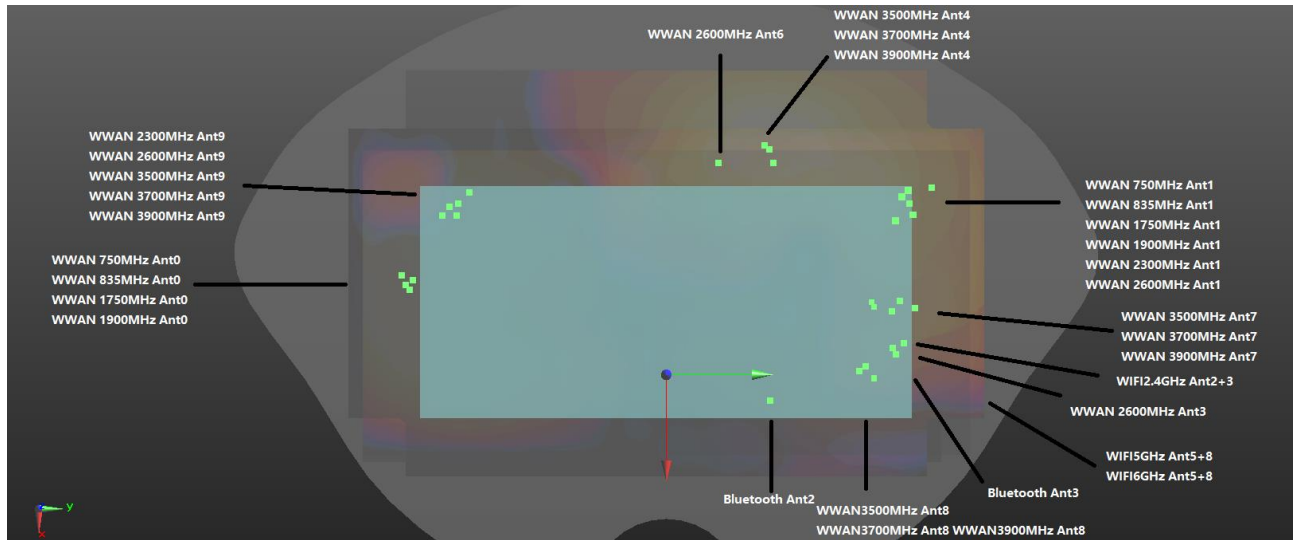
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WLAN Antenna 5/8 & BT Antenna 2/3 was summed algebraically with the AG0 for the purposes of hybrid SPLSR combination and they are located at the top of the device
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
5. The detail hotspot point for each transmitter in each exposure condition are showing as below figure and the minimum 3D distance for each sum combination is used for SPLSR analysis.
6. The axis peak locations refer to Section 17.7.



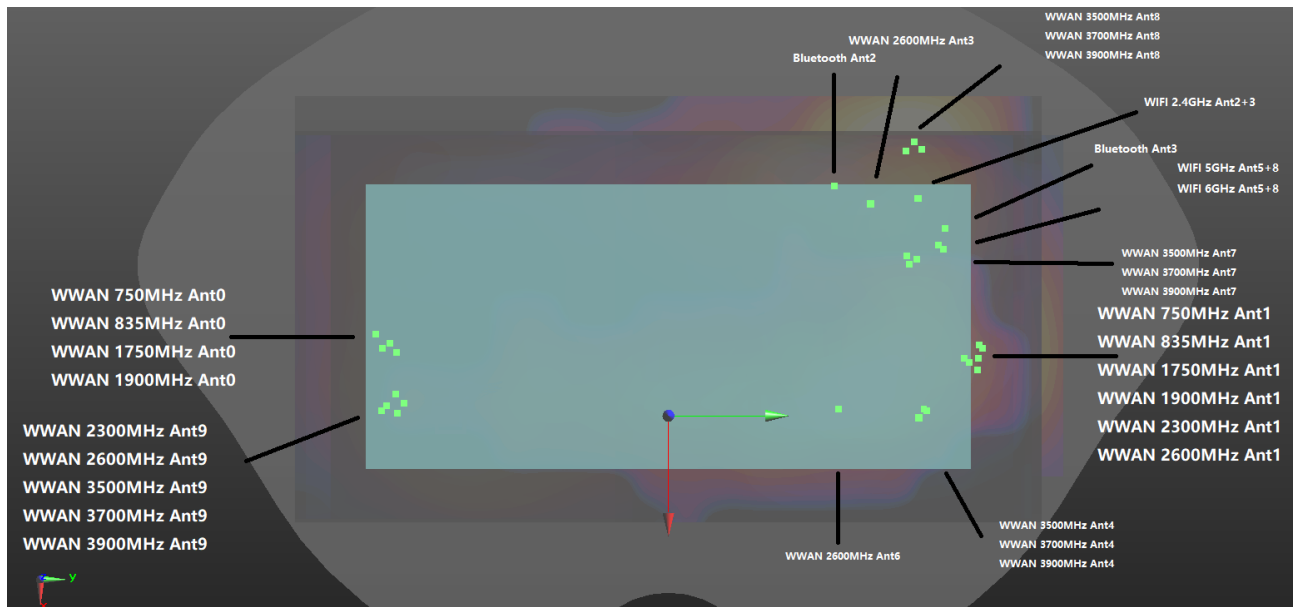
WWAN+WLAN+BT(0mm)_Left Cheek for Head



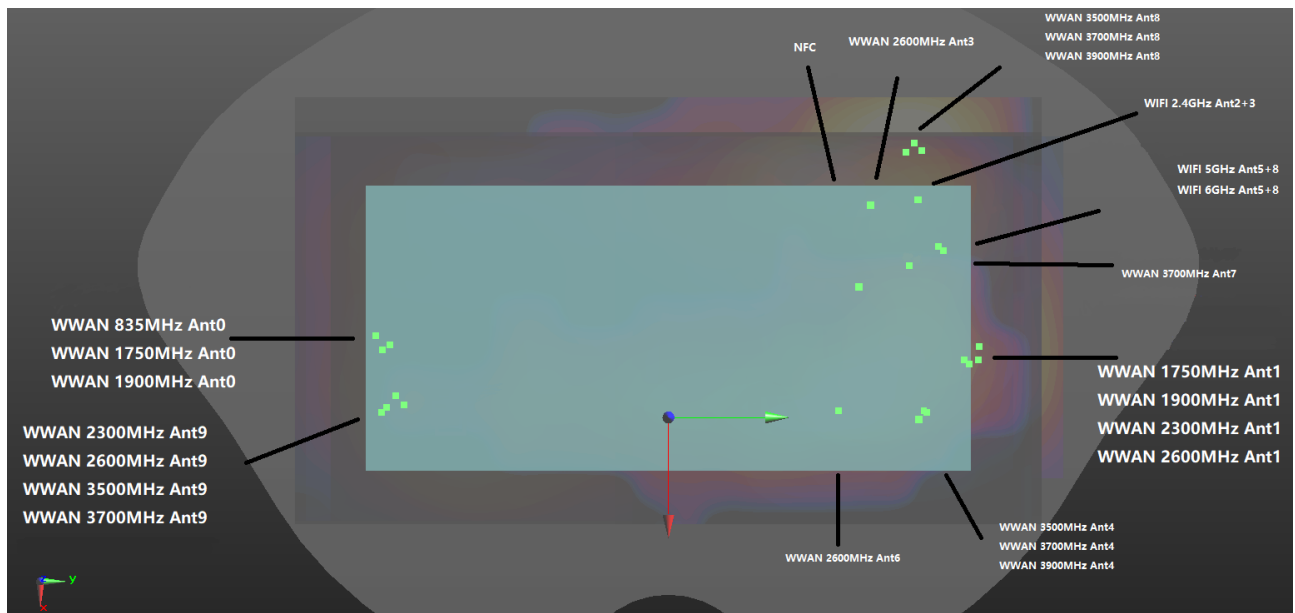
WWAN+WLAN+BT(0mm)_Left Tilted for Head



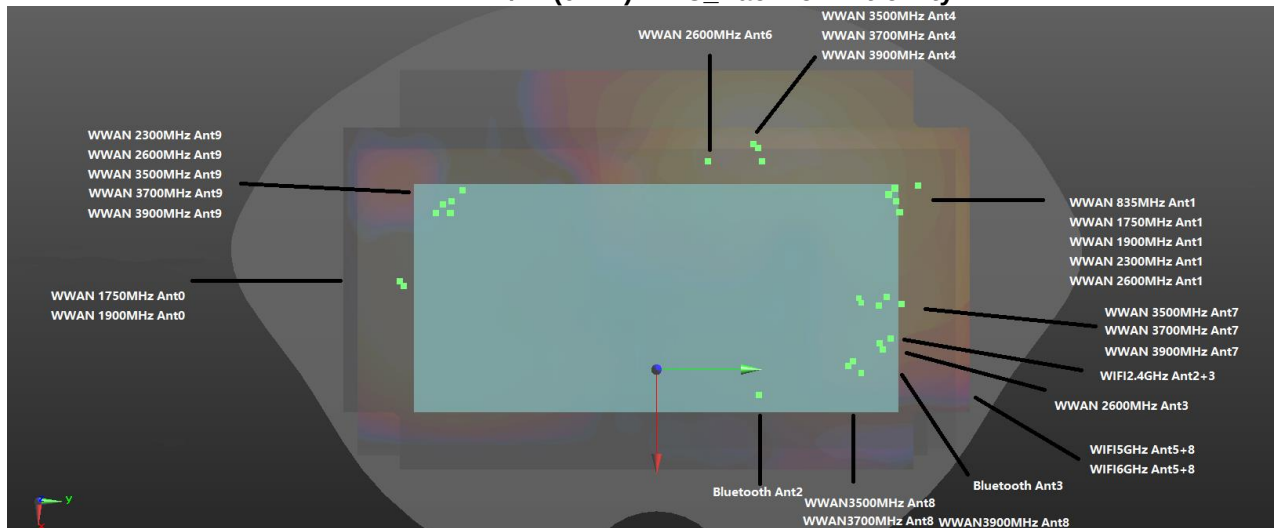
WWAN+WLAN+BT(5mm)_Front for Hotspot&Body-worn



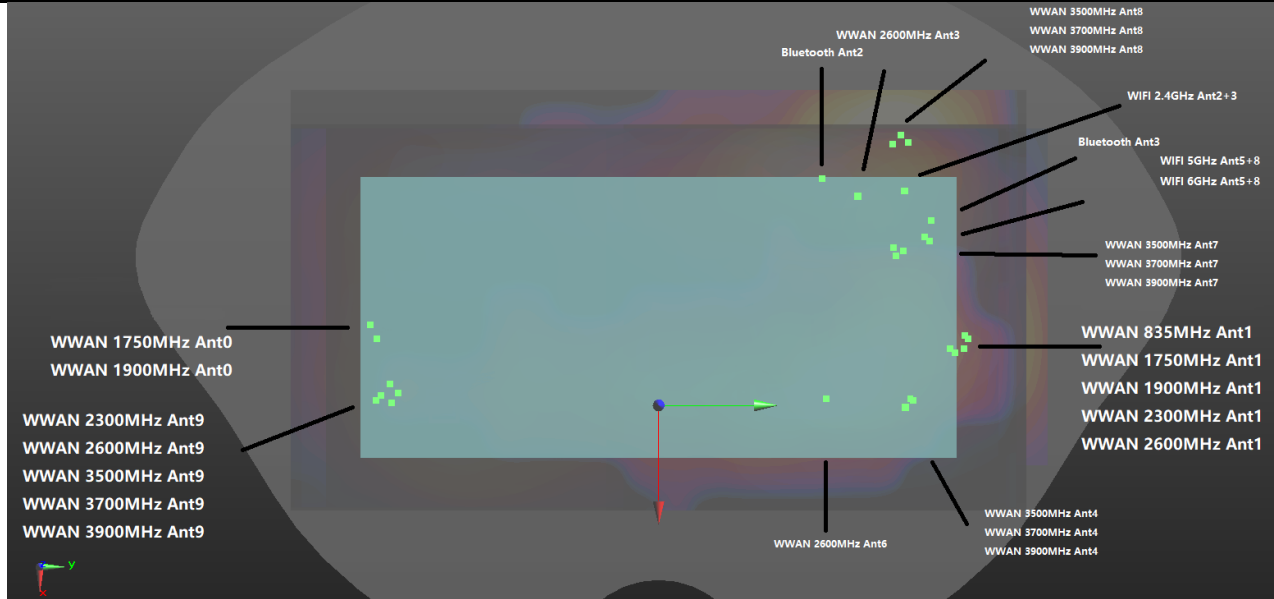
WWAN+WLAN+BT(5mm)_ Back for Hotspot&Body-worn



WWAN+WLAN/BT(0mm)+NFC_Back for Extremity



WWAN+WLAN+BT_Front 15mm for Body-worn



WWAN+WLAN+BT_ Back 19mm for Body-worn

<Head>

No.1 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	93.2	1.67	0.02	Not required
Ant1		0.759	1.456	0mm	-11.42	-4.42	1.08				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	84.5	1.67	0.03	Not required
Ant1		0.759	1.456	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.2	1.67	0.02	Not required
Ant1		0.759	1.456	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.2 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	103.0	1.81	0.02	Not required
Ant3		0.895	1.592	0mm	17.28	21.7	-1.97				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	84.5	1.81	0.03	Not required
Ant3		0.895	1.592	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.2	1.81	0.02	Not required
Ant3		0.895	1.592	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.3 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	92.0	1.69	0.02	Not required
Ant4		0.774	1.471	0mm	-6.39	-2.15	0.28				



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WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	84.5	1.81	0.03	Not required
Ant4		0.895		0mm							
WLAN6GHz Ant5+8		0.413	1.592	0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.2	1.81	0.02	Not required
Ant4		0.895		0mm							
WLAN6GHz Ant5+8		0.413	1.592	0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.4 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	73.6	1.77	0.03	Not required
Ant6		0.861		0mm	34.33	-4.43	-2.92				
WLAN6GHz Ant5+8		0.413	1.558	0mm							
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	84.5	1.77	0.03	Not required
Ant6		0.861		0mm							
WLAN6GHz Ant5+8		0.413	1.558	0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.2	1.77	0.02	Not required
Ant6		0.861		0mm							
WLAN6GHz Ant5+8		0.413	1.558	0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.5 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	111.6	1.73	0.02	Not required
Ant7		0.819		0mm	0.43	24.4	-1.57				
WLAN6GHz Ant5+8		0.413	1.516	0mm							
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	84.5	1.73	0.03	Not required
Ant7		0.819		0mm							
WLAN6GHz Ant5+8		0.413	1.516	0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.2	1.73	0.02	Not required
Ant7		0.819		0mm							
WLAN6GHz Ant5+8		0.413	1.516	0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.6 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.6	1.80	0.02	Not required
Ant8		0.890		0mm	23.14	29	-1.31				
WLAN6GHz Ant5+8		0.413	1.587	0mm							
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	84.5	1.80	0.03	Not required
Ant8		0.890		0mm							
WLAN6GHz Ant5+8		0.413	1.587	0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant0	Left Check	0.216	0.216	0mm	47.2	-76.88	-0.65	108.2	1.80	0.02	Not required
Ant8		0.890		0mm							
WLAN6GHz Ant5+8		0.413	1.587	0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.7 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				



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Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	90.7	1.83	0.03	Not required
Ant1		0.759	1.456	0mm	-11.42	-4.42	1.08				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	88.8	1.83	0.03	Not required
Ant1		0.759	1.456	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	111.8	1.83	0.02	Not required
Ant1		0.759	1.456	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.8 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	106.4	1.96	0.03	Not required
Ant3		0.895	1.592	0mm	17.28	21.7	-1.97				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	88.8	1.96	0.03	Not required
Ant3		0.895	1.592	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	111.8	1.96	0.02	Not required
Ant3		0.895	1.592	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.9 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	91.4	1.84	0.03	Not required
Ant4		0.774	1.471	0mm	-6.48	-1.13	0.44				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	88.8	1.84	0.03	Not required
Ant4		0.774	1.471	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	111.8	1.84	0.02	Not required
Ant4		0.774	1.471	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.10 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	80.1	1.93	0.03	Not required
Ant6		0.861	1.558	0mm	34.33	-4.43	-2.92				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	88.8	1.93	0.03	Not required
Ant6		0.861	1.558	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	111.8	1.93	0.02	Not required
Ant6		0.861	1.558	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				



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No.11 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	112.6	1.89	0.02	Not required
Ant7		0.819	1.516	0mm	0.43	24.4	-1.57				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	88.8	1.89	0.03	Not required
Ant7		0.819	1.516	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	111.8	1.89	0.02	Not required
Ant7		0.819	1.516	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				
No.12 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	112.7	1.96	0.02	Not required
Ant8		0.890	1.587	0mm	23.14	29	-1.31				
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	88.8	1.96	0.03	Not required
Ant8		0.890	1.587	0mm							
WLAN6GHz Ant5+8		0.413		0mm	23.59	4.21	-2.55				
BT Ant3		0.284		0mm							
Ant9	Left Check	0.372	0.372	0mm	33.04	-81.24	19.73	111.8	1.96	0.02	Not required
Ant8		0.890	1.587	0mm							
WLAN6GHz Ant5+8		0.413		0mm							
BT Ant3		0.284		0mm	19.37	27.68	-1.49				

No.13 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Tilted	0.221	0.221	0mm	46.15	-74.19	-0.19	99.6	1.63	0.02	Not required
Ant3		0.842	1.406	0mm	16.55	20.9	-1.88				
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm							
Ant0	Left Tilted	0.221	0.221	0mm	46.15	-74.19	-0.19	80.0	1.63	0.03	Not required
Ant3		0.842	1.406	0mm							
WLAN6GHz Ant5+8		0.328		0mm	22.95	2.28	-3.11				
BT Ant3		0.236		0mm							
Ant0	Left Tilted	0.221	0.221	0mm	46.15	-74.19	-0.19	101.4	1.63	0.02	Not required
Ant3		0.842	1.406	0mm							
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm	18.88	23.51	-1.74				
No.14 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Left Tilted	0.221	0.221	0mm	46.15	-74.19	-0.19	108.2	1.69	0.02	Not required
Ant7		0.908	1.472	0mm	0.55	23.9	-1.69				
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm							
Ant0	Left Tilted	0.221	0.221	0mm	46.15	-74.19	-0.19	80.0	1.69	0.03	Not required
Ant7		0.908	1.472	0mm							
WLAN6GHz Ant5+8		0.328		0mm	22.95	2.28	-3.11				
BT Ant3		0.236		0mm							
Ant0	Left Tilted	0.221	0.221	0mm	46.15	-74.19	-0.19	101.4	1.69	0.02	Not required



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Ant7		0.908		0mm							
WLAN6GHz Ant5+8		0.328	1.472	0mm							
BT Ant3		0.236		0mm	18.88	23.51	-1.74				
No.15 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Tilted	0.200	0.200	0mm	33.04	-81.24	19.73	105.7	1.61	0.02	Not required
Ant3		0.842	1.406	0mm	16.55	20.9	-1.88				
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm							
Ant9	Left Tilted	0.200	0.200	0mm	33.04	-81.24	19.73	87.2	1.61	0.02	Not required
Ant3		0.842	1.406	0mm							
WLAN6GHz Ant5+8		0.328		0mm	22.95	2.28	-3.11				
BT Ant3		0.236		0mm							
Ant9	Left Tilted	0.200	0.200	0mm	33.04	-81.24	19.73	107.9	1.61	0.02	Not required
Ant3		0.842	1.406	0mm							
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm	18.88	23.51	-1.74				
No.16 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Left Tilted	0.200	0.200	0mm	33.04	-81.24	19.73	112.1	1.67	0.02	Not required
Ant7		0.908	1.472	0mm	0.55	23.9	-1.69				
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm							
Ant9	Left Tilted	0.200	0.200	0mm	33.04	-81.24	19.73	87.2	1.67	0.02	Not required
Ant7		0.908	1.472	0mm							
WLAN6GHz Ant5+8		0.328		0mm	22.95	2.28	-3.11				
BT Ant3		0.236		0mm							
Ant9	Left Tilted	0.200	0.200	0mm	33.04	-81.24	19.73	107.9	1.67	0.02	Not required
Ant7		0.908	1.472	0mm							
WLAN6GHz Ant5+8		0.328		0mm							
BT Ant3		0.236		0mm	18.88	23.51	-1.74				

<Hotspot>

No.41 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	166.5	1.89	0.02	Not required
Ant1		0.442	0.821	5mm	-37.9	83.9	-1				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	150.4	1.89	0.02	Not required
Ant1		0.442	0.821	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	158.8	1.89	0.02	Not required
Ant1		0.442	0.821	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.42 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	154.9	1.80	0.02	Not required
Ant3		0.347	0.726	5mm	16	74	-0.95				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	150.4	1.80	0.02	Not required



Ant3		0.347	0.726	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	158.8	1.80	0.02	Not required
Ant3		0.347	0.726	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.43 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	122.6	1.65	0.02	Not required
Ant4		0.201	0.580	5mm	-55.9	32.4	-1.1				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	150.4	1.65	0.01	Not required
Ant4		0.201	0.580	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	158.8	1.65	0.01	Not required
Ant4		0.201	0.580	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.44 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	107.6	1.82	0.02	Not required
Ant6		0.373	0.752	5mm	-51.2	18	-1.12				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	150.4	1.82	0.02	Not required
Ant6		0.373	0.752	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	158.8	1.82	0.02	Not required
Ant6		0.373	0.752	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.45 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	162.2	1.66	0.01	Not required
Ant7		0.210	0.589	5mm	3.8	82.5	-1.07				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	150.4	1.66	0.01	Not required
Ant7		0.210	0.589	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	158.8	1.66	0.01	Not required
Ant7		0.210	0.589	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.46 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	153.6	1.73	0.01	Not required
Ant8		0.277	0.656	5mm	24.8	71.2	-0.92				
WLAN5GHz Ant5+8		0.256		5mm							



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BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	150.4	1.73	0.02	Not required
Ant8		0.277	0.656	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.069	1.069	5mm	-5.5	-79.4	-1	158.8	1.73	0.01	Not required
Ant8		0.277	0.656	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.47 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	155.0	2.12	0.02	Not required
Ant1		0.442	0.821	5mm	-37.9	83.9	-1				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	147.0	2.12	0.02	Not required
Ant1		0.442	0.821	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	156.8	2.12	0.02	Not required
Ant1		0.442	0.821	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.48 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	153.0	2.02	0.02	Not required
Ant3		0.347	0.726	5mm	16	74	-0.95				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	147.0	2.02	0.02	Not required
Ant3		0.347	0.726	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	156.8	2.02	0.02	Not required
Ant3		0.347	0.726	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.49 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	105.9	1.88	0.02	Not required
Ant4		0.201	0.580	5mm	-55.9	32.4	-1.1				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	147.0	1.88	0.02	Not required
Ant4		0.201	0.580	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	156.8	1.88	0.02	Not required
Ant4		0.201	0.580	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.50 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	90.9	2.05	0.03	Not required



Ant6		0.373	0.752	5mm	-51.2	18	-1.12				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	147.0	2.05	0.02	Not required
Ant6		0.373	0.752	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	156.8	2.05	0.02	Not required
Ant6		0.373	0.752	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.51 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.296	1.296	5mm	-44.2	-76	-1.07	112.2	1.89	0.02	Not required
Ant7		0.210	0.589	5mm	-55.6	35.6	-1.1				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	147.0	1.89	0.02	Not required
Ant7		0.210	0.589	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	156.8	1.89	0.02	Not required
Ant7		0.210	0.589	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.52 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	153.4	1.95	0.02	Not required
Ant8		0.277	0.656	5mm	24.8	71.2	-0.92				
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	147.0	1.95	0.02	Not required
Ant8		0.277	0.656	5mm							
WLAN5GHz Ant5+8		0.256		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.296	1.296	5mm	-32.8	-71	-1.02	156.8	1.95	0.02	Not required
Ant8		0.277	0.656	5mm							
WLAN5GHz Ant5+8		0.256		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				

No.53 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	140.7	2.72	0.03	Not required
Ant1		0.691	1.439	5mm	19.5	68.5	-0.94				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	148.9	2.72	0.03	Not required
Ant1		0.691	1.439	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.72	0.03	Not required
Ant1		0.691	1.439	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				



No.54 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.67	0.03	Not required
Ant3		0.642	1.390	5mm	-30.6	64.8	-1.05				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	12.4	-69	-0.95	146.0	2.67	0.03	Not required
Ant3		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.67	0.03	Not required
Ant3		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.55 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	140.7	2.67	0.03	Not required
Ant4		0.642	1.390	5mm	30	67.6	-0.78				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	148.9	2.67	0.03	Not required
Ant4		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.67	0.03	Not required
Ant4		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.56 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	139.1	2.55	0.03	Not required
Ant6		0.515	1.263	5mm	23.6	66.6	-1.03				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	148.9	2.55	0.03	Not required
Ant6		0.515	1.263	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.55	0.03	Not required
Ant6		0.515	1.263	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.57 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	143.2	2.40	0.03	Not required
Ant7		0.369	1.117	5mm	-11.6	69.2	-1.14				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	148.9	2.40	0.03	Not required
Ant7		0.369	1.117	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.40	0.03	Not required
Ant7		0.369	1.117	5mm							



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WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.58 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	149.1	2.68	0.03	Not required
Ant8		0.651	1.399	5mm	-43	71	-0.94				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	12.4	-72	-0.95	149	2.68	0.03	Not required
Ant8		0.651	1.399	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant0	Back	1.283	1.283	5mm	-5.9	-73.4	-1.01	140.4	2.68	0.03	Not required
Ant8		0.651	1.399	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.59 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	147.5	2.74	0.03	Not required
Ant1		0.691	1.439	5mm	19.5	68.5	-0.94				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.8	2.74	0.03	Not required
Ant1		0.691	1.439	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.74	0.03	Not required
Ant1		0.691	1.439	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.60 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	152.6	2.69	0.03	Not required
Ant3		0.642	1.390	5mm	-30.6	64.8	-1.05				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.8	2.69	0.03	Not required
Ant3		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.69	0.03	Not required
Ant3		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.61 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	146.9	2.69	0.03	Not required
Ant4		0.642	1.390	5mm	30	67.6	-0.78				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.8	2.69	0.03	Not required
Ant4		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							



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Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.69	0.03	Not required
Ant4		0.642	1.390	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.62 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	145.6	2.57	0.03	Not required
Ant6		0.515	1.263	5mm	23.6	66.6	-1.03				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.8	2.57	0.03	Not required
Ant6		0.515	1.263	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.57	0.03	Not required
Ant6		0.515	1.263	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.63 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	151.8	2.42	0.02	Not required
Ant7		0.369	1.117	5mm	-11.6	69.2	-1.14				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.8	2.42	0.02	Not required
Ant7		0.369	1.117	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.42	0.02	Not required
Ant7		0.369	1.117	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.64 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	162.4	2.70	0.03	Not required
Ant8		0.651	1.399	5mm	-43	71	-0.94				
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.8	2.70	0.03	Not required
Ant8		0.651	1.399	5mm							
WLAN5GHz Ant5+8		0.537		5mm	-20.6	73.2	-1.9				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.70	0.03	Not required
Ant8		0.651	1.399	5mm							
WLAN5GHz Ant5+8		0.537		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				



<Body-worn>

No.17 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	165.3	2.27	0.02	Not required
Ant1		0.788	1.026	5mm	-39.1	82.4	-1				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	150.4	2.27	0.02	Not required
Ant1		0.788	1.026	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	158.8	2.27	0.02	Not required
Ant1		0.788	1.026	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.18 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	154.9	2.13	0.02	Not required
Ant3		0.641	0.879	5mm	16	74	-0.95				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	150.4	2.13	0.02	Not required
Ant3		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	158.8	2.13	0.02	Not required
Ant3		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.19 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	122.6	1.79	0.02	Not required
Ant4		0.305	0.543	5mm	-55.9	32.4	-1.1				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	150.4	1.79	0.02	Not required
Ant4		0.305	0.543	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	158.8	1.79	0.02	Not required
Ant4		0.305	0.543	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.20 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	107.6	2.13	0.03	Not required
Ant6		0.641	0.879	5mm	-51.2	18	-1.12				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	150.4	2.13	0.02	Not required
Ant6		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	158.8	2.13	0.02	Not required



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Ant6		0.641		5mm							
WLAN5GHz Ant5+8		0.115	0.879	5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.21 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	162.2	1.99	0.02	Not required
Ant7		0.505	0.743	5mm	3.8	82.5	-1.07				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	150.4	1.99	0.02	Not required
Ant7		0.505	0.743	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	158.8	1.99	0.02	Not required
Ant7		0.505	0.743	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.22 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	153.6	1.88	0.02	Not required
Ant8		0.393	0.631	5mm	24.8	71.2	-0.92				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	150.4	1.88	0.02	Not required
Ant8		0.393	0.631	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant0	Front	1.247	1.247	5mm	-5.5	-79.4	-1	158.8	1.88	0.02	Not required
Ant8		0.393	0.631	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.23 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	153.5	2.33	0.02	Not required
Ant1		0.788	1.026	5mm	-39.1	82.4	-1				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	147.0	2.33	0.02	Not required
Ant1		0.788	1.026	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	156.8	2.33	0.02	Not required
Ant1		0.788	1.026	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.24 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	153.0	2.18	0.02	Not required
Ant3		0.641	0.879	5mm	16	74	-0.95				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	147.0	2.18	0.02	Not required
Ant3		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				



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BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	156.8	2.18	0.02	Not required
Ant3		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.25 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	105.9	1.84	0.02	Not required
Ant4		0.305	0.543	5mm	-55.9	32.4	-1.1				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	147.0	1.84	0.02	Not required
Ant4		0.305	0.543	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	156.8	1.84	0.02	Not required
Ant4		0.305	0.543	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.26 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	90.9	2.18	0.04	Not required
Ant6		0.641	0.879	5mm	-51.2	18	-1.12				
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	147.0	2.18	0.02	Not required
Ant6		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm	6.9	70.5	-0.38				
BT Ant3		0.123		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	156.8	2.18	0.02	Not required
Ant6		0.641	0.879	5mm							
WLAN5GHz Ant5+8		0.115		5mm							
BT Ant3		0.123		5mm	16.5	77.9	-1.2				
No.27 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.299	1.299	5mm	-44.2	-76	-1.07	112.2	2.04	0.03	Not required
Ant7		0.505	0.743	5mm	-55.6	35.6	-1.1				
WLAN5GHz Ant5+8		0.123		5mm							
BT Ant3		0.115		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	147.0	2.04	0.02	Not required
Ant7		0.505	0.743	5mm							
WLAN5GHz Ant5+8		0.123		5mm	6.9	70.5	-0.38				
BT Ant3		0.115		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	156.8	2.04	0.02	Not required
Ant7		0.505	0.743	5mm							
WLAN5GHz Ant5+8		0.123		5mm							
BT Ant3		0.115		5mm	16.5	77.9	-1.2				
No.28 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	153.4	1.93	0.02	Not required
Ant8		0.393	0.631	5mm	24.8	71.2	-0.92				
WLAN5GHz Ant5+8		0.123		5mm							
BT Ant3		0.115		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	147.0	1.93	0.02	Not required



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Ant8		0.393	0.631	5mm							
WLAN5GHz Ant5+8		0.123		5mm	6.9	70.5	-0.38				
BT Ant3		0.115		5mm							
Ant9	Front	1.299	1.299	5mm	-32.8	-71	-1.02	156.8	1.93	0.02	Not required
Ant8		0.393	0.631	5mm							
WLAN5GHz Ant5+8		0.123		5mm							
BT Ant3		0.115		5mm	16.5	77.9	-1.2				

No.29 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	140.7	2.88	0.03	Not required
Ant1		0.914	1.581	5mm	19.5	68.5	-0.94				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	148.6	2.88	0.03	Not required
Ant1		0.914	1.581	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.88	0.03	Not required
Ant1		0.914	1.581	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.30 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.85	0.03	Not required
Ant3		0.888	1.555	5mm	-30.6	64.8	-1.05				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	12.4	-69	-0.95	145.7	2.85	0.03	Not required
Ant3		0.888	1.555	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.85	0.03	Not required
Ant3		0.888	1.555	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.31 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	140.7	2.85	0.03	Not required
Ant4		0.888	1.555	5mm	30	67.6	-0.78				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	148.6	2.85	0.03	Not required
Ant4		0.888	1.555	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.85	0.03	Not required
Ant4		0.888	1.555	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.32 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	139.1	2.86	0.03	Not required
Ant6		0.894	1.561	5mm	23.6	66.6	-1.03				



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WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	148.6	2.86	0.03	Not required
Ant6		0.894		5mm							
WLAN6GHz Ant5+8		0.456	1.561	5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.86	0.03	Not required
Ant6		0.894		5mm							
WLAN6GHz Ant5+8		0.456	1.561	5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.33 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	143.2	2.88	0.03	Not required
Ant7		0.920		5mm	-11.6	69.2	-1.14				
WLAN6GHz Ant5+8		0.456	1.587	5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	148.6	2.88	0.03	Not required
Ant7		0.920		5mm							
WLAN6GHz Ant5+8		0.456	1.587	5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.88	0.03	Not required
Ant7		0.920		5mm							
WLAN6GHz Ant5+8		0.456	1.587	5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.34 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	149.1	2.88	0.03	Not required
Ant8		0.919		5mm	-43	71	-0.94				
WLAN6GHz Ant5+8		0.456	1.586	5mm							
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	12.4	-72	-0.95	149	2.88	0.03	Not required
Ant8		0.919		5mm							
WLAN6GHz Ant5+8		0.456	1.586	5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant0	Back	1.295	1.295	5mm	-5.9	-73.4	-1.01	140.4	2.88	0.03	Not required
Ant8		0.919		5mm							
WLAN6GHz Ant5+8		0.456	1.586	5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.35 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	147.5	2.89	0.03	Not required
Ant1		0.914		5mm	19.5	68.5	-0.94				
WLAN6GHz Ant5+8		0.456	1.581	5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.5	2.89	0.03	Not required
Ant1		0.914		5mm							
WLAN6GHz Ant5+8		0.456	1.581	5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.89	0.03	Not required
Ant1		0.914		5mm							
WLAN6GHz Ant5+8		0.456	1.581	5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.36 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				



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Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	152.6	2.87	0.03	Not required
Ant3		0.902	1.569	5mm	-30.6	64.8	-1.05				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.5	2.87	0.03	Not required
Ant3		0.902	1.569	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.87	0.03	Not required
Ant3		0.902	1.569	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.37 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	146.9	2.86	0.03	Not required
Ant4		0.888	1.555	5mm	30	67.6	-0.78				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.5	2.86	0.03	Not required
Ant4		0.888	1.555	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.86	0.03	Not required
Ant4		0.888	1.555	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.38 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	145.6	2.87	0.03	Not required
Ant6		0.894	1.561	5mm	23.6	66.6	-1.03				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.5	2.87	0.03	Not required
Ant6		0.894	1.561	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.87	0.03	Not required
Ant6		0.894	1.561	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				
No.39 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	151.8	2.89	0.03	Not required
Ant7		0.920	1.587	5mm	-11.6	69.2	-1.14				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.5	2.89	0.03	Not required
Ant7		0.920	1.587	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.89	0.03	Not required
Ant7		0.920	1.587	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				



No.40 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	162.4	2.89	0.03	Not required
Ant8		0.919	1.586	5mm	-43	71	-0.94				
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	21.2	-79	-0.9	157.5	2.89	0.03	Not required
Ant8		0.919	1.586	5mm							
WLAN6GHz Ant5+8		0.456		5mm	-20.9	72.8	-1.8				
BT Ant2		0.211		5mm							
Ant9	Back	1.304	1.304	5mm	13.7	-81.2	-1	153.7	2.89	0.03	Not required
Ant8		0.919	1.586	5mm							
WLAN6GHz Ant5+8		0.456		5mm							
BT Ant2		0.211		5mm	-40.6	62.6	-1.16				

Sensor Off

No.81 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	166.2	2.07	0.02	Not required
Ant1		0.695	1.142	5mm	-39.1	82.4	-1				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	151.4	2.07	0.02	Not required
Ant1		0.695	1.142	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	159.8	2.07	0.02	Not required
Ant1		0.695	1.142	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.82 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	155.9	1.72	0.01	Not required
Ant3		0.341	0.788	5mm	16	74	-0.95				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	151.4	1.72	0.01	Not required
Ant3		0.341	0.788	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	159.8	1.72	0.01	Not required
Ant3		0.341	0.788	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.83 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	123.5	1.65	0.02	Not required
Ant4		0.270	0.717	5mm	-55.9	32.4	-1.1				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	151.4	1.65	0.01	Not required
Ant4		0.270	0.717	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	159.8	1.65	0.01	Not required



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Ant4		0.270		5mm							
WLAN5GHz Ant5+8		0.336	0.717	5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.84 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	108.5	1.75	0.02	Not required
Ant6		0.377	0.824	5mm	-51.2	18	-1.12				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	151.4	1.75	0.02	Not required
Ant6		0.377	0.824	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	159.8	1.75	0.01	Not required
Ant6		0.377	0.824	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.85 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	163.2	1.77	0.01	Not required
Ant7		0.391	0.838	5mm	3.8	82.5	-1.07				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	151.4	1.77	0.02	Not required
Ant7		0.391	0.838	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	159.8	1.77	0.01	Not required
Ant7		0.391	0.838	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.86 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	154.6	1.75	0.01	Not required
Ant8		0.371	0.818	5mm	24.8	71.2	-0.92				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	151.4	1.75	0.02	Not required
Ant8		0.371	0.818	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant0	Front	0.930	0.930	5mm	-5.6	-80.4	-1	159.8	1.75	0.01	Not required
Ant8		0.371	0.818	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.87 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	156.8	1.99	0.02	Not required
Ant1		0.695	1.142	5mm	-39.1	82.4	-1				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	152.7	1.99	0.02	Not required
Ant1		0.695	1.142	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	162.9	1.99	0.02	Not required



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Ant1		0.695		5mm							
WLAN5GHz Ant5+8		0.336	1.142	5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.88 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	159.0	1.64	0.01	Not required
Ant3		0.341	0.788	5mm	16	74	-0.95				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	152.7	1.64	0.01	Not required
Ant3		0.341	0.788	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	162.9	1.64	0.01	Not required
Ant3		0.341	0.788	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.89 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	92.9	1.67	0.02	Not required
Ant6		0.377	0.824	5mm	-51.2	18	-1.12				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	152.7	1.67	0.01	Not required
Ant6		0.377	0.824	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	162.9	1.67	0.01	Not required
Ant6		0.377	0.824	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.90 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	163.2	1.69	0.01	Not required
Ant7		0.391	0.838	5mm	3.8	82.5	-1.07				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	152.7	1.69	0.01	Not required
Ant7		0.391	0.838	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	162.9	1.69	0.01	Not required
Ant7		0.391	0.838	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				
No.91 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	159.9	1.67	0.01	Not required
Ant8		0.371	0.818	5mm	24.8	71.2	-0.92				
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	152.7	1.67	0.01	Not required
Ant8		0.371	0.818	5mm							
WLAN5GHz Ant5+8		0.336		5mm	6.9	70.5	-0.38				
BT Ant3		0.111		5mm							
Ant9	Front	0.849	0.849	5mm	-41.2	-74.4	-1.13	162.9	1.67	0.01	Not required



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Ant8		0.371	0.818	5mm							
WLAN5GHz Ant5+8		0.336		5mm							
BT Ant3		0.111		5mm	16.5	77.9	-1.2				

No.92 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	152.7	2.65	0.03	Not required
Ant1		0.854		5mm	19.7	77.1	-0.78				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	147.3	2.65	0.03	Not required
Ant1		0.854		5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.4	2.65	0.03	Not required
Ant1		0.854		5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.93 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	140.4	1.97	0.02	Not required
Ant3		0.176		5mm	-30.6	64.8	-1.05				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	147.3	1.97	0.02	Not required
Ant3		0.176		5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.4	1.97	0.02	Not required
Ant3		0.176		5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.94 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	145.5	2.32	0.02	Not required
Ant4		0.521		5mm	30	67.6	-0.78				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	147.3	2.32	0.02	Not required
Ant4		0.521		5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.4	2.32	0.02	Not required
Ant4		0.521		5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.95 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	143.1	2.09	0.02	Not required
Ant6		0.294		5mm	23.6	66.6	-1.03				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	147.3	2.09	0.02	Not required



Ant6		0.294	1.027	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.4	2.09	0.02	Not required
Ant6		0.294	1.027	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.96 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	142.7	2.51	0.03	Not required
Ant7		0.712	1.445	5mm	-11.6	69.2	-1.14				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	147.3	2.51	0.03	Not required
Ant7		0.712	1.445	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.4	2.51	0.03	Not required
Ant7		0.712	1.445	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.97 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.9	2.61	0.03	Not required
Ant8		0.817	1.550	5mm	-51	69.6	-0.92				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	147	2.61	0.03	Not required
Ant8		0.817	1.550	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant0	Back	1.062	1.062	5mm	-5.9	-73.4	-1.01	149.4	2.61	0.03	Not required
Ant8		0.817	1.550	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.98 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	156.1	2.03	0.02	Not required
Ant1		0.854	1.587	5mm	19.7	77.1	-0.78				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	157.8	2.03	0.02	Not required
Ant1		0.854	1.587	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	161.7	2.03	0.02	Not required
Ant1		0.854	1.587	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.99 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	146.9	1.69	0.02	Not required
Ant4		0.521	1.254	5mm	30	67.6	-0.78				



WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	157.8	1.69	0.01	Not required
Ant4		0.521	1.254	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	161.7	1.69	0.01	Not required
Ant4		0.521	1.254	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.100 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	151.8	1.88	0.02	Not required
Ant7		0.712	1.445	5mm	-11.6	69.2	-1.14				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	157.8	1.88	0.02	Not required
Ant7		0.712	1.445	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	161.7	1.88	0.02	Not required
Ant7		0.712	1.445	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				
No.101 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	165.2	1.99	0.02	Not required
Ant8		0.817	1.550	5mm	-51	69.6	-0.92				
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	157.8	1.99	0.02	Not required
Ant8		0.817	1.550	5mm							
WLAN5GHz Ant5+8		0.621		5mm	-20.6	73.2	-1.9				
BT Ant3		0.112		5mm							
Ant9	Back	0.438	0.438	5mm	21.2	-79	-0.9	161.7	1.99	0.02	Not required
Ant8		0.817	1.550	5mm							
WLAN5GHz Ant5+8		0.621		5mm							
BT Ant3		0.112		5mm	-31.6	73.8	-1.16				

<Extremity>

No.69 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	164.3	5.12	0.07	Not required
Ant1		2.032	2.970	0mm	8.4	80.6	-0.84				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	5.12	0.07	Not required
Ant1		2.032	2.970	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	151.8	5.12	0.08	Not required
Ant1		2.032	2.970	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-20.1	66.8	-1.02				



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No.70 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	152.0	4.33	0.06	Not required
Ant3		1.242	2.180	0mm	-30.8	65.1	-1.08				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	4.33	0.05	Not required
Ant3		1.242	2.180	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	4.33	0.05	Not required
Ant3		1.242	2.180	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.71 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	169.4	5.58	0.08	Not required
Ant4		2.490	3.428	0mm	32	83.1	-0.99				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	5.58	0.08	Not required
Ant4		2.490	3.428	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	5.58	0.08	Not required
Ant4		2.490	3.428	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.72 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	151.9	4.61	0.07	Not required
Ant6		1.515	2.453	0mm	23	66.8	-0.98				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	4.61	0.06	Not required
Ant6		1.515	2.453	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	5.50	0.08	Not required
Ant6		1.515	3.343	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.914		0mm	-22	82.5	-2				
No.74 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	161.8	4.78	0.06	Not required
Ant8		1.684	2.622	0mm	-51	69.6	-0.92				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	4.78	0.06	Not required
Ant8		1.684	2.622	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant0	Back	2.153	2.153	0mm	1.3	-83.5	-1.02	167.6	4.78	0.06	Not required
Ant8		1.684	2.622	0mm							



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WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.75 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	2.931	2.952	0mm	27.8	-86	-1	167.7	5.92	0.09	Not required
Ant1		2.032	2.970	0mm	8.4	80.6	-0.84				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant9	Back	2.931	2.952	0mm	27.8	-86	-1	175.7	5.92	0.08	Not required
Ant1		2.032	2.970	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant9	Back	2.931	2.952	0mm	27.8	-86	-1	175.7	5.92	0.08	Not required
Ant1		2.032	2.970	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.76 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	162.1	5.11	0.07	Not required
Ant3		1.242	2.180	0mm	-30.8	65.1	-1.08				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	5.11	0.07	Not required
Ant3		1.242	2.180	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	5.11	0.07	Not required
Ant3		1.242	2.180	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.77 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	169.2	6.36	0.09	Not required
Ant4		2.490	3.428	0mm	32	83.1	-0.99				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	6.36	0.09	Not required
Ant4		2.490	3.428	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	6.36	0.09	Not required
Ant4		2.490	3.428	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.78 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	152.9	5.38	0.08	Not required
Ant6		1.515	2.453	0mm	23	66.8	-0.98				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	5.38	0.07	Not required
Ant6		1.515	2.453	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							



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Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	5.38	0.07	Not required
Ant6		1.515	2.453	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.79 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	174.1	4.69	0.06	Not required
Ant7		0.821	1.759	0mm	-28.2	78.8	-1.11				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	4.69	0.06	Not required
Ant7		0.821	1.759	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	4.69	0.06	Not required
Ant7		0.821	1.759	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				
No.80 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	174.4	5.55	0.08	Not required
Ant8		1.684	2.622	0mm	-51	69.6	-0.92				
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	5.55	0.07	Not required
Ant8		1.684	2.622	0mm							
WLAN5GHz Ant5+8		0.914		0mm	-22	82.5	-2				
NFC		0.024		0mm							
Ant9	Back	2.931	2.931	0mm	27.8	-86	-1	175.7	5.55	0.07	Not required
Ant8		1.684	2.622	0mm							
WLAN5GHz Ant5+8		0.914		0mm							
NFC		0.024		0mm	-22	82.5	-2				



17.8 Maximum Reported SAR and SAR Peak Locations

General Note:

1. The maximum reported SAR and SAR Peak Locations corresponding to each position of each frequency band of each antenna in the below tables are as follows.
2. The unit of SAR evaluation is W/kg. The unit of x, y, z with Axis (x, y, z) evaluation is mm.

<Head>

Left Cheek																			
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7		
GSM850	SAR	0.163																	
	Axis	48.1	-78.45	-0.88															
GSM1900	SAR	0.071																	
	Axis	47.2	-76.88	-0.65															
WCDMA II	SAR	0.075			0.477														
	Axis	48.37	-78.33	-0.72	-13.24	-1.56	0.58												
WCDMA IV	SAR	0.153			0.548														
	Axis	48.31	-78.8	-0.79	-13.41	-1.57	0.59												
WCDMA V	SAR	0.216			0.577														
	Axis	47.76	-78.17	-0.9	-10.17	-3.14	0.88												
LTE Band 7	SAR				0.382														
	Axis				-15.16	1.41	0.79											31.04	-85.99
LTE Band 12	SAR	0.129			0.543														
	Axis	48.04	-77	-0.88	-11.42	-4.42	1.08												
LTE Band 13	SAR	0.176			0.556														
	Axis	48.61	-77.64	-0.79	-12.9	-0.35	-0.08												
LTE Band 14	SAR	0.196			0.608														
	Axis	48.52	-78.35	-0.81	-12.29	-0.51	0.2												
LTE Band 25	SAR	0.142			0.535														
	Axis	47.71	-78.01	-0.88	-13.45	0.58	-0.43												
LTE Band 26	SAR	0.181			0.539														
	Axis	47.91	-77.9	-0.96	-12.9	1.14	-0.27												
LTE Band 30	SAR				0.462														
	Axis				-1.55	12.08	-1.24											31.7	-82.52
LTE Band 66	SAR	0.146			0.483														
	Axis	47.83	-78.13	-1.01	-12.78	-0.2	-0.05												
LTE Band 71	SAR	0.137			0.423														
	Axis	47.98	-78.17	-0.89	-13.35	0.24	-0.29												
LTE Band 41	SAR				0.252			0.895			0.424								
	Axis				-12.57	0.79	0.23	17.28	21.7	-1.97				33.79	-4.93	-2.59		31.49	-86.99
LTE Band 42	SAR										0.482			0.714			0.880		
	Axis										-5.9	-1.53	0.89		-0.95	26.9	-1.32	23.44	30.5
LTE Band 48	SAR										0.495			0.450			0.887		
	Axis										-6.69	-1.12	0.64		-1.2	26.8	-1.26	23.14	29
FR1 n7	SAR				0.409														
	Axis				-12.67	-0.37	0.15											33.04	-81.24
FR1 n12	SAR	0.086			0.574														
	Axis	48.56	-78.28	-0.99	-12.49	1.1	-0.15												
FR1 n14	SAR	0.113			0.636														
	Axis	48.55	-78.18	-1.05	-13.96	1.4	-0.26												
FR1 n25	SAR	0.084			0.565														
	Axis	48.52	-79.38	-0.78	-12.32	0.4	-0.27												
FR1 n26	SAR	0.086			0.607														
	Axis	47.88	-78.67	-0.99	-12.75	0.72	-0.24												
FR1 n30	SAR				0.487														
	Axis				-13.37	10.89	-0.41											31.05	-82.08

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Left Tilted																	
Band		Ant0			Ant1	Ant3			Ant4	Ant6	Ant7			Ant8	Ant9		
GSM850	SAR	0.095															
	Axis	46.93	-77.27	1.35													
GSM1900	SAR	0.001															
	Axis	46.15	-74.19	-0.19													
WCDMA II	SAR	0.001															
	Axis	47.78	-77.26	0.6													
WCDMA IV	SAR	0.093															
	Axis	48.05	-76.66	0.35													
WCDMA V	SAR	0.151															
	Axis	48.13	-76	2.24													
LTE Band 7	SAR														0.105		
	Axis														33.62	-83.01	19.12
LTE Band 12	SAR	0.081															
	Axis	48.89	-76.68	1.14													
LTE Band 13	SAR	0.221															
	Axis	48.68	-76.78	2.56													
LTE Band 14	SAR	0.154															
	Axis	48.96	-75.94	2.44													
LTE Band 25	SAR	0.073															
	Axis	48.93	-75.51	1.82													
LTE Band 26	SAR	0.133															
	Axis	47.34	-76.09	1.78													
LTE Band 30	SAR														0.121		
	Axis														33.75	-83.59	19.38
LTE Band 66	SAR	0.088															
	sp	47.64	-76.79	3.02													
LTE Band 71	SAR	0.076															
	Axis	48.96	-75.25	1.17													
LTE Band 41	SAR					0.838									0.074		
	Axis					16.55	20.9	-1.88							33.85	-83.48	19.23
LTE Band 42	SAR										0.886				0.120		
	Axis										1.59	25.2	-0.34		34.88	-83.64	19.32
LTE Band 48	SAR										0.670				0.198		
	Axis										2.18	25.01	0.56		34.87	-83.99	19.39
FR1 n7	SAR														0.134		

[illegible]

WLAN5GHz Ant5+8	SAR (W/kg)	0.236			WLAN6GHz Ant5+8	SAR (W/kg)	0.328		
	Axis	22.41	1.19	-3.26		Axis	22.95	2.28	-3.11

Front																									
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7			Ant8			Ant9		
GSM850	SAR	0.857																							
	Axis	-2.9	-87.9	-1																					
GSM1900	SAR	0.516																							
	Axis	-3	-88.1	-1																					
WCDMA II	SAR	0.607			0.415																				
	Axis	-3.2	-87.2	-1	-35	83.7	-1.07																		
WCDMA IV	SAR	1.069			0.388																				
	Axis	-2.8	-86.8	-1	-34	84	-1.07																		
WCDMA V	SAR	1.017			0.423																				
	Axis	-3.5	-87	-1	-32.5	84.5	-1.07																		
LTE Band 7	SAR				0.152																		1.132		
	Axis				-33	84.1	-1.07															-44.5	-78	-1.09	
LTE Band 12	SAR	0.513			0.280																				
	Axis	-3.4	-88	-1	-33.4	83.6	-1																		
LTE Band 13	SAR	0.790			0.323																				
	Axis	-3.2	-87.5	-1	-35.9	85.2	-1																		
LTE Band 14	SAR	0.881			0.394																				
	Axis	-4.7	-87.4	-1	-34	84.6	-1.07																		
LTE Band 25	SAR	0.637			0.419																				
	Axis	-3.2	-86.6	-1	-38	83.4	-1.07																		
LTE Band 26	SAR	1.016			0.419																				
	Axis	-3.2	-86.5	-1	-35.9	83.9	-1																		
LTE	SAR				0.316																		1.006		

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WLAN5GHz Ant5+8	SAR (W/kg)	0.256		
	Axis	6.9	70.5	-0.38



Back																									
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7			Ant8			Ant9		
GSM850	SAR	1.050																							
	Axis	9.2	-73.5	-0.95																					
GSM1900	SAR	0.753																							
	Axis	-12.1	-79.5	-1.03																					
WCDMA II	SAR	0.824			0.521																				
	Axis	-7.5	-78	-1.04	6.4	91.7	-0.83																		
WCDMA IV	SAR	1.283			0.448																				
	Axis	-6	-76.6	-1.05	6.1	96.2	-0.84																		
WCDMA V	SAR	1.256			0.619																				
	Axis	9.2	-79.8	-0.89	19.9	78	-0.85																		
LTE Band 7	SAR				0.248																		1.287		
	Axis				5.7	78.6	-1.03																21.3	-90	-0.78
LTE Band 12	SAR	0.828			0.512																				
	Axis	12.5	-80.8	-0.83	19.6	77	-0.93																		
LTE Band 13	SAR	0.979			0.616																				
	Axis	7.6	-91.7	-0.8	19.5	68.5	-0.94																		
LTE Band 14	SAR	1.125			0.618																				
	Axis	6	-79.8	-0.92	16.5	75.3	-0.96																		
LTE Band 25	SAR	0.870			0.524																				
	Axis	-9.1	-94.5	-0.92	6.2	91.9	-0.82																		
LTE Band 26	SAR	1.238			0.629																				
	Axis	9.2	-80.1	-0.95	19.7	77.1	-0.78																		
LTE Band 30	SAR				0.428																		1.268		
	Axis				8.5	80.9	-0.88																21.5	-90	-0.78
LTE Band 66	SAR	0.897			0.439																				
	Axis	-10.6	-93	-0.91	5.9	95.5	-0.82																		
LTE Band 71	SAR	0.755			0.603																				
	Axis	9.3	-81.2	-0.95	19.2	79	-0.82																		
LTE Band 41	SAR				0.238			0.625						0.457									1.231		
	Axis				11.5	85.5	-0.88	-30.6	64.8	-1.05				23.6	66.6	-1.03							13.7	-81.2	-1
LTE Band 42	SAR										0.627						0.369			0.623			1.304		
	Axis										22.4	69.2	-0.99				-11.6	69.2	-1.14	-51	77	-0.95	29.9	-82.9	-1
LTE Band 48	SAR										0.639						0.300			0.568			0.898		
	Axis										22.2	69	-1.1				-27	78.2	-1.09	-47.6	71.2	-1	27	-81.5	-1
FR1 n7	SAR				0.316																		1.239		
	Axis				7	87.2	-0.81																28.2	-82.2	-0.86
FR1 n12	SAR	0.488			0.639																				
	Axis	12.4	-72	-0.95	18	81.4	-0.75																		
FR1 n14	SAR	0.671			0.624																				
	Axis	12.4	-76	-0.83	17.2	72.4	-0.95																		
FR1 n25	SAR	0.802			0.555																				
	Axis	-5.9	-73.4	-1.01	6	91.6	-0.81																		
FR1 n26	SAR	0.806			0.691																				
	Axis	9.4	-80.8	-1.01	19.5	76.8	-0.76																		
FR1 n30	SAR				0.366																		1.280		
	Axis				8.4	80.6	-0.84																21.2	-79	-0.9
FR1 n66	SAR	0.702			0.443																				
	Axis	-10.6	-95	-0.95	6.1	94.7	-0.79																		
FR1 n70	SAR	1.079			0.421																				
	Axis	1.3	-83.5	-1.02	7.5	78.6	-1.03																		
FR1 n71	SAR	0.494			0.625																				
	Axis	9.3	-80.9	-0.99	18	78.3	-0.79																		
FR1 n41	SAR				0.256			0.642						0.515									1.297		



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	Axis				11	85.8	-0.77	-30.8	65.1	-1.08				23	66.8	-0.98						24	-80.2	-0.74	
FR1 n48	SAR										0.642						0.362			0.625			1.129		
	Axis										20.8	67.8	-1				-28.2	78.8	-1.11	-51	69.6	-0.92	27.8	-86	-1
FR1 n77	SAR										0.520						0.162			0.651			0.781		
	Axis										30	67.6	-0.78				-28.4	84.2	-0.9	-43	71	-0.94	28.2	-82.5	-1
FR1 n78	SAR										0.616						0.513			0.176			0.767		
	Axis										17.8	71.4	-0.84				-15.4	88.8	-1	-47.8	78.2	-0.9	29.1	-85.5	-1

WLAN2.4GHz Ant2+3	SAR (W/kg)	0.379				BT Ant2	SAR (W/kg)	0.211				BT Ant3	SAR (W/kg)	0.181		
	Axis	-34.2	72.2	-1.77			Axis	-40.6	62.6	-1.16			Axis	-31.6	73.8	-1.16

WLAN5GHz Ant5+8	SAR (W/kg)	0.388		
	Axis	-20.6	73.2	-1.9

<Body-worn>

Front																									
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7			Ant8			Ant9		
GSM850	SAR	0.857																							
	Axis	-2.9	-87.9	-1																					
GSM1900	SAR	0.982																							
	Axis	-3	-88.1	-1																					
WCDMA II	SAR	0.961			0.635																				
	Axis	-3.2	-87.2	-1	-35	83.7	-1.07																		
WCDMA IV	SAR	1.069			0.700																				
	Axis	-2.8	-86.8	-1	-34	84	-1.07																		
WCDMA V	SAR	1.017			0.613																				
	Axis	-3.5	-87	-1	-32.5	84.5	-1.07																		
LTE Band 7	SAR				0.560																		1.132		
	Axis				-33	84.1	-1.07															-44.5	-78	-1.09	
LTE Band 12	SAR	0.513			0.442																				
	Axis	-3.4	-88	-1	-33.4	83.6	-1																		
LTE Band 13	SAR	0.790			0.467																				
	Axis	-3.2	-87.5	-1	-35.9	85.2	-1																		
LTE Band 14	SAR	0.823			0.513																				
	Axis	-4.7	-87.4	-1	-34	84.6	-1.07																		
LTE Band 25	SAR	0.932			0.696																				
	Axis	-3.2	-86.6	-1	-38	83.4	-1.07																		
LTE Band 26	SAR	1.016			0.579																				
	Axis	-3.2	-86.5	-1	-35.9	83.9	-1																		
LTE Band 30	SAR				0.634																		1.006		
	Axis				-37.2	83.4	-1.07															-44.2	-76	-1.07	
LTE Band 66	SAR	1.147			0.659																				
	Axis	-3.2	-87.1	-1	-38.1	83.1	-1.07																		
LTE Band 71	SAR	0.500			0.422																				
	Axis	-4.7	-88.2	-1	-37.5	83.7	-1																		
LTE Band 41	SAR				0.530			0.451						0.641									1.008		
	Axis				-39.1	82.4	-1	16	74	-0.95				-51.2	18	-1.12						-41.2	-74.4	-1.13	
LTE Band 42	SAR										0.114						0.359			0.315			1.291		
	Axis										-55.6	35.6	-1.1				3.5	82.9	-1.07	24.3	73.4	-0.92	-38.9	-79.5	-1.07
LTE Band 48	SAR										0.154						0.425			0.275			1.299		
	Axis										-57.8	36.4	-1.1				3.6	83.8	-1.07	24.8	71.2	-0.92	-33.6	-83.2	-1.07
FR1 n7	SAR				0.642																		0.925		
	Axis				-38.8	82.6	-1															-32.3	-80.6	-1.12	
FR1 n12	SAR	0.359			0.341																				
	Axis	-5.1	-81.5	-1	-38.2	83.3	-1.07																		
FR1 n14	SAR	0.538			0.546																				

[illegible]

WLAN5GHz Ant5+8	SAR (W/kg)	0.115			WLAN6GHz Ant5+8	SAR (W/kg)	0.074		
	Axis	6.9	70.5	-0.38		Axis	5.85	71.2	-0.55

Back																									
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7			Ant8			Ant9		
GSM850	SAR	1.050																							
	Axis	9.2	-73.5	-0.95																					
GSM1900	SAR	1.265																							
	Axis	-12.1	-79.5	-1.03																					
WCDMA II	SAR	1.254			0.838																				
	Axis	-7.5	-78	-1.04	6.4	91.7	-0.83																		
WCDMA IV	SAR	1.283			0.885																				
	Axis	-6	-76.6	-1.05	6.1	96.2	-0.84																		
WCDMA V	SAR	1.256			0.895																				
	Axis	9.2	-79.8	-0.89	19.9	78	-0.85																		
LTE Band 7	SAR				0.871																		1.287		
	Axis				5.7	78.6	-1.03																21.3	-90	-0.78
LTE Band 12	SAR	0.828			0.809																				
	Axis	12.5	-80.8	-0.83	19.6	77	-0.93																		
LTE Band 13	SAR	0.979			0.889																				
	Axis	7.6	-91.7	-0.8	19.5	68.5	-0.94																		
LTE Band 14	SAR	1.050			0.805																				
	Axis	6	-79.8	-0.92	16.5	75.3	-0.96																		
LTE Band 25	SAR	1.275			0.901																				
	Axis	-9.1	-94.5	-0.92	6.2	91.9	-0.82																		
LTE Band 26	SAR	1.238			0.864																				
	Axis	9.2	-80.1	-0.95	19.7	77.1	-0.78																		
LTE Band 30	SAR				0.859																		1.268		
	Axis				8.5	80.9	-0.88																21.5	-90	-0.78
LTE Band 66	SAR	1.273			0.862																				
	Axis	-10.6	-93	-0.91	5.9	95.5	-0.82																		
LTE Band 71	SAR	0.755			0.837																				
	Axis	9.3	-81.2	-0.95	19.2	79	-0.82																		



LTE Band 41	SAR				0.906			0.888					0.889							1.274				
	Axis				11.5	85.5	-0.88	-30.6	64.8	-1.05			23.6	66.6	-1.03					13.7	-81.2	-1		
LTE Band 42	SAR										0.871					0.884			0.885			0.898		
	Axis										22.4	69.2	-0.99			-11.6	69.2	-1.14	-51	77	-0.95	29.9	-82.9	-1
LTE Band 48	SAR										0.993					0.920			0.945			1.017		
	Axis										22.2	69	-1.1			-27	78.2	-1.09	-47.6	71.2	-1	27	-81.5	-1
FR1 n7	SAR				0.887																	1.304		
	Axis				7	87.2	-0.81															28.2	-82.2	-0.86
FR1 n12	SAR	0.488			0.651																			
	Axis	12.4	-72	-0.95	18	81.4	-0.75																	
FR1 n14	SAR	0.671			0.852																			
	Axis	12.4	-76	-0.83	17.2	72.4	-0.95																	
FR1 n25	SAR	1.288			0.882																			
	Axis	-5.9	-73.4	-1.01	6	91.6	-0.81																	
FR1 n26	SAR	0.806			0.757																			
	Axis	9.4	-80.8	-1.01	19.5	76.8	-0.76																	
FR1 n30	SAR				0.879																	1.280		
	Axis				8.4	80.6	-0.84															21.2	-79	-0.9
FR1 n66	SAR	1.295			0.882																			
	Axis	-10.6	-95	-0.95	6.1	94.7	-0.79																	
FR1 n70	SAR	1.289			0.914																			
	Axis	1.3	-83.5	-1.02	7.5	78.6	-1.03																	
FR1 n71	SAR	0.494			0.697																			
	Axis	9.3	-80.9	-0.99	18	78.3	-0.79																	
FR1 n41	SAR				0.905			0.877					0.894									1.297		
	Axis				11	85.8	-0.77	-30.8	65.1	-1.08			23	66.8	-0.98							24	-80.2	-0.74
FR1 n48	SAR										0.888					0.881			0.888			0.706		
	Axis										20.8	67.8	-1			-28.2	78.8	-1.11	-51	69.6	-0.92	27.8	-86	-1
FR1 n77	SAR										0.824					0.975			0.938			0.781		
	Axis										30	67.6	-0.78			-28.4	84.2	-0.9	-43	71	-0.94	28.2	-82.5	-1

WLAN2.4GHz Ant2+3	SAR (W/kg)	0.379				BT Ant2	SAR (W/kg)	0.211				BT Ant3	SAR (W/kg)	0.181		
	Axis	-34.2	72.2	-1.77			Axis	-40.6	62.6	-1.16			Axis	-31.6	73.8	-1.16

WLAN5GHz Ant5+8	SAR (W/kg)	0.388			WLAN6GHz Ant5+8	SAR (W/kg)	0.456		
	Axis	-20.6	73.2	-1.9		Axis	-20.9	72.8	-1.8

Sensor Off

Front																									
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7			Ant8			Ant9		
GSM850	SAR																								
	Axis																								
GSM1900	SAR	0.294																							
	Axis	-3	-88.1	-1																					
WCDMA II	SAR	0.903			0.631																				
	Axis	-3.2	-87.2	-1	-35	83.7	-1.07																		
WCDMA IV	SAR	0.930			0.571																				
	Axis	-2.8	-86.8	-1	-34	84	-1.07																		
WCDMA V	SAR				0.259																				
	Axis				-32.5	84.5	-1.07																		
LTE Band 7	SAR				0.554																		0.716		
	Axis				-33	84.1	-1.07																-44.5	-78	-1.09
LTE Band 25	SAR	0.928			0.695																				
	Axis	-3.2	-86.6	-1	-38	83.4	-1.07																		
LTE Band 26	SAR				0.241																				
	Axis				-35.9	83.9	-1																		



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LTE Band 30	SAR				0.604													0.545						
	Axis				-37.2	83.4	-1.07											-44.2	-76	-1.07				
LTE Band 66	SAR	0.759			0.561																			
	Axis	-3.2	-87.1	-1	-38.1	83.1	-1.07																	
LTE Band 41	SAR				0.469			0.341					0.377							0.692				
	Axis				-39.1	82.4	-1	16	74	-0.95				-51.2	18	-1.12				-41.2	-74.4	-1.13		
LTE Band 42	SAR										0.109						0.180			0.282			0.658	
	Axis										-55.6	35.6	-1.1			3.5	82.9	-1.07	24.3	73.4	-0.92	-38.9	-79.5	-1.07
LTE Band 48	SAR										0.113						0.391			0.267			0.759	
	Axis										-57.8	36.4	-1.1			3.6	83.8	-1.07	24.8	71.2	-0.92	-33.6	-83.2	-1.07
FR1 n7	SAR				0.632																0.481			
	Axis				-38.8	82.6	-1														-32.3	-80.6	-1.12	
FR1 n25	SAR	0.699			0.476																			
	Axis	-5.6	-80.4	-1	-38.5	84.7	-1.07																	
FR1 n30	SAR				0.603																0.289			
	Axis				-38.5	84.7	-1.07														-30.7	-81.5	-1.07	
FR1 n66	SAR	0.534			0.398																			
	Axis	-3.1	-82.3	-1	-37.5	83.6	-1.07																	
FR1 n70	SAR	0.433			0.245																			
	Axis	-3.2	-83.7	-1	-37.2	91.2	-1.07																	
FR1 n71	SAR																							
	Axis	-2.9	-84.7	-1																				
FR1 n41	SAR				0.386			0.322					0.300								0.606			
	Axis				-38.2	88.4	-1.07	16.5	77	-0.95				-52.6	19.2	-1.12					-34.1	-83.4	-1.11	
FR1 n48	SAR										0.127						0.343			0.371			0.849	
	Axis										-57.1	36	-1.1			4.1	84.1	-1.07	25.5	72.8	-0.92	-35.6	-75.2	-0.91
FR1 n77	SAR										0.270						0.386			0.326			0.676	
	Axis										-56.5	32.5	-1.1			3.8	82.5	-1.07	25.3	71.9	-0.92	-36.2	-78.2	-0.94

WLAN2.4GHz Ant2+3	SAR (W/kg)			0.431
	Axis	16.7	78.5	-1.1

BT Ant2	SAR (W/kg)			0.001
	Axis	23.3	37.9	-0.58

BT Ant3	SAR (W/kg)			0.111
	Axis	16.5	77.9	-1.2

WLAN5GHz Ant5+8	SAR (W/kg)			0.336
	Axis	6.9	70.5	-0.38

Back																								
Band		Ant0			Ant1			Ant3			Ant4			Ant6			Ant7			Ant8			Ant9	
GSM1900	SAR	0.315																						
	Axis	-12.1	-79.5	-1.03																				
WCDMA II	SAR	1.062			0.603																			
	Axis	-7.5	-78	-1.04	6.4	91.7	-0.83																	
WCDMA IV	SAR	0.965			0.502																			
	Axis	-6	-76.6	-1.05	6.1	96.2	-0.84																	
WCDMA V	SAR				0.237																			
	Axis				19.9	78	-0.85																	
LTE Band 7	SAR				0.764																		0.438	
	Axis				5.7	78.6	-1.03																21.3	-90
LTE Band 25	SAR	1.048			0.648																			
	Axis	-9.1	-94.5	-0.92	6.2	91.9	-0.82																	
LTE Band 26	SAR				0.220																			
	Axis				19.7	77.1	-0.78																	
LTE Band 30	SAR				0.701																		0.354	
	Axis				8.5	80.9	-0.88																21.5	-90
LTE Band 66	SAR	0.694			0.457																			
	Axis	-10.6	-93	-0.91	5.9	95.5	-0.82																	
LTE Band 41	SAR				0.763			0.136						0.294									0.380	
	Axis				11.5	85.5	-0.88	-30.6	64.8	-1.05				23.6	66.6	-1.03							13.7	-81.2
LTE Band 42	SAR										0.304						0.185			0.817			0.263	
	Axis										22.4	69.2	-0.99				-11.6	69.2	-1.14	-51	77	-0.95	29.9	-82.9



LTE Band 48	SAR				0.521			0.460			0.722			0.298		
	Axis				22.2	69	-1.1	-27	78.2	-1.09	-47.6	71.2	-1	27	-81.5	-1
FR1 n7	SAR	0.854									0.343					
	Axis	7	87.2	-0.81							28.2	-82.2	-0.86			
FR1 n25	SAR	0.608			0.445											
	Axis	-5.9	-73.4	-1.01	6	91.6	-0.81									
FR1 n30	SAR				0.667									0.217		
	Axis				8.4	80.6	-0.84				21.2	-79	-0.9			
FR1 n66	SAR	0.487			0.279											
	Axis	-10.6	-95	-0.95	6.1	94.7	-0.79									
FR1 n70	SAR	0.365			0.285											
	Axis	1.3	-83.5	-1.02	7.5	78.6	-1.03									
FR1 n41	SAR				0.524			0.176			0.229			0.198		
	Axis				11	85.8	-0.77	-30.8	65.1	-1.08	23	66.8	-0.98	24	-80.2	-0.74
FR1 n48	SAR							0.484			0.331			0.741		
	Axis							20.8	67.8	-1	-28.2	78.8	-1.11	-51	69.6	-0.92
FR1 n77	SAR							0.435			0.712			0.685		
	Axis							30	67.6	-0.78	-28.4	84.2	-0.9	-43	71	-0.94

WLAN2.4GHz Ant2+3	SAR (W/kg)	0.289		
	Axis	-34.2	72.2	-1.77

BT Ant2	SAR (W/kg)	0.082		
	Axis	-40.6	62.6	-1.16

BT Ant3	SAR (W/kg)	0.112		
	Axis	-31.6	73.8	-1.16

WLAN5GHz Ant5+8	SAR (W/kg)	0.621		
	Axis	-20.6	73.2	-1.9

<Extremity>

Back																
Band		Ant0			Ant1			Ant3			Ant4			Ant6		
GSM850	SAR	N/A														
	Axis															
GSM1900	SAR	1.388														
	Axis	-8.2	-79.5	-1.03												
WCDMA II	SAR	1.305			N/A											
	Axis	-7.5	-78	-1.04												
WCDMA IV	SAR	1.391			1.319											
	Axis	-6	-76.6	-1.05	6.1	96.2	-0.84									
WCDMA V	SAR	1.049			N/A											
	Axis	9.2	-79.8	-0.89												
LTE Band 7	SAR				N/A									1.407		
	Axis													21.3	-90	-0.78
LTE Band 12	SAR	N/A			N/A											
	Axis															
LTE Band 13	SAR	N/A			N/A											
	Axis															
LTE Band 14	SAR	N/A			N/A											
	Axis															
LTE Band 25	SAR	1.366			1.724											
	Axis	-9.1	-94.5	-0.92	6.2	91.9	-0.82									
LTE Band 26	SAR	0.999			N/A											
	Axis	9.2	-80.1	-0.95												
LTE Band 30	SAR				0.960									1.372		
	Axis				8.5	80.9	-0.88							21.5	-90	-0.78
LTE Band 66	SAR	1.357			N/A											
	Axis	-10.6	-93	-0.91												
LTE Band 71	SAR	N/A			N/A											
	Axis															
LTE Band 41	SAR				1.249			N/A			N/A			1.390		
	Axis				11.5	85.5	-0.88							13.7	-81.2	-1
LTE	SAR							2.207						N/A		



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WLAN2.4GHz Ant2+3	SAR (W/kg)	0.389			WLAN5GHz Ant5+8	SAR (W/kg)	0.914		
	Axis	-33	79.2	-1.82		Axis	-22	82.5	-2

WLAN6GHz Ant5+8	SAR (W/kg)	0.190				NFC	SAR (W/kg)	0.024		
	Axis	6.1	81.2	-1.2			Axis	-20.1	66.8	-1.02

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

18. 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.

19. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 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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