



16.1 Head 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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																					
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	23095	707.5	1	23.16	24.00	1.213	-	-	-0.05	0.082	0.099
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	ECI 2	23095	707.5	1	22.13	23.00	1.222	-	-	0.13	0.067	0.082
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	23095	707.5	1	23.16	24.00	1.213	-	-	0.07	0.045	0.055
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	ECI 2	23095	707.5	1	22.13	23.00	1.222	-	-	-0.04	0.030	0.037
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	23095	707.5	1	23.16	24.00	1.213	-	-	-0.12	0.074	0.090
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	ECI 2	23095	707.5	1	22.13	23.00	1.222	-	-	-0.19	0.059	0.072
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	23095	707.5	1	23.16	24.00	1.213	-	-	0.03	0.047	0.057
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	ECI 2	23095	707.5	1	22.13	23.00	1.222	-	-	-0.15	0.025	0.031
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	23230	782	1	23.44	24.00	1.138	-	-	0.02	0.167	0.190
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	ECI 2	23230	782	1	22.48	23.00	1.127	-	-	0.06	0.131	0.148
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	23230	782	1	23.44	24.00	1.138	-	-	-0.17	0.082	0.093
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	ECI 2	23230	782	1	22.48	23.00	1.127	-	-	-0.06	0.066	0.074
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	23230	782	1	23.44	24.00	1.138	-	-	0.07	0.144	0.164
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	ECI 2	23230	782	1	22.48	23.00	1.127	-	-	0.01	0.109	0.123
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	23230	782	1	23.44	24.00	1.138	-	-	0.06	0.105	0.119
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	ECI 2	23230	782	1	22.48	23.00	1.127	-	-	-0.12	0.097	0.109
01	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	23095	707.5	1	22.75	24.00	1.334	-	-	-0.01	0.708	0.944
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	23095	707.5	2	22.75	24.00	1.334	-	-	0.02	0.666	0.888
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	ECI 2	23095	707.5	1	21.77	23.00	1.327	-	-	0.03	0.684	0.908
	LTE Band 12	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	23095	707.5	1	21.70	23.00	1.349	-	-	0.08	0.675	0.911
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	23095	707.5	1	22.75	24.00	1.334	-	-	-0.02	0.701	0.935
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	ECI 2	23095	707.5	1	21.77	23.00	1.327	-	-	-0.08	0.637	0.846
	LTE Band 12	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	23095	707.5	1	21.70	23.00	1.349	-	-	-0.05	0.633	0.854
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	23095	707.5	1	22.75	24.00	1.334	-	-	0.03	0.357	0.476
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	ECI 2	23095	707.5	1	21.77	23.00	1.327	-	-	0.01	0.302	0.401
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	23095	707.5	1	22.75	24.00	1.334	-	-	0.03	0.358	0.477
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	ECI 2	23095	707.5	1	21.77	23.00	1.327	-	-	0.07	0.296	0.393
02	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	23230	782	1	22.44	23.50	1.276	-	-	0.01	0.723	0.923
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	ECI 2	23230	782	1	21.91	23.00	1.285	-	-	-0.18	0.676	0.869
	LTE Band 13	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	23230	782	1	21.86	23.00	1.300	-	-	-0.11	0.625	0.813
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	23230	782	1	22.44	23.50	1.276	-	-	-0.07	0.662	0.845
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	ECI 2	23230	782	1	21.91	23.00	1.285	-	-	-0.03	0.634	0.815
	LTE Band 13	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	23230	782	1	21.86	23.00	1.300	-	-	0.05	0.622	0.809
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	23230	782	1	22.44	23.50	1.276	-	-	0.08	0.322	0.411
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	ECI 2	23230	782	1	21.91	23.00	1.285	-	-	0.06	0.233	0.299
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	23230	782	1	22.44	23.50	1.276	-	-	-0.13	0.343	0.438
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	ECI 2	23230	782	1	21.91	23.00	1.285	-	-	-0.03	0.251	0.323
835MHz																					
03	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 0	ECI 2	189	836.4	1	28.80	29.50	1.175	-	-	0.05	0.269	0.316
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 0	ECI 2	189	836.4	1	28.80	29.50	1.175	-	-	-0.16	0.151	0.177
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 0	ECI 2	189	836.4	1	28.80	29.50	1.175	-	-	0.12	0.256	0.301
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 0	ECI 2	189	836.4	1	28.80	29.50	1.175	-	-	0.19	0.174	0.204
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	ECI 2	4182	836.4	1	23.45	24.00	1.135	-	-	0.17	0.208	0.236
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	ECI 2	4182	836.4	1	23.45	24.00	1.135	-	-	-0.16	0.120	0.136
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	ECI 2	4182	836.4	1	23.45	24.00	1.135	-	-	0.08	0.163	0.185
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	ECI 2	4182	836.4	1	23.45	24.00	1.135	-	-	0.02	0.120	0.136
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	26865	831.5	1	23.05	24.00	1.245	-	-	0.02	0.162	0.202
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 0	ECI 2	26865	831.5	1	22.09	23.00	1.233	-	-	-0.11	0.131	0.162
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	26865	831.5	1	23.05	24.00	1.245	-	-	-0.06	0.085	0.106
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 0	ECI 2	26865	831.5	1	22.09	23.00	1.233	-	-	0.1	0.069	0.085



FCC SAR Test Report

Report No. : FA361225

	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	26865	831.5	1	23.05	24.00	1.245	-	-	0.07	0.058	0.072
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 0	ECI 2	26865	831.5	1	22.09	23.00	1.233	-	-	-0.08	0.047	0.058
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	26865	831.5	1	23.05	24.00	1.245	-	-	-0.03	0.040	0.050
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 0	ECI 2	26865	831.5	1	22.09	23.00	1.233	-	-	-0.04	0.032	0.039
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	167300	836.5	1	23.08	24.00	1.236	-	-	0.17	0.166	0.205
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	167300	836.5	1	23.03	24.00	1.250	-	-	-0.16	0.150	0.188
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	167300	836.5	1	23.08	24.00	1.236	-	-	0.02	0.076	0.094
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	167300	836.5	1	23.03	24.00	1.250	-	-	-0.06	0.072	0.090
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	167300	836.5	1	23.08	24.00	1.236	-	-	0.07	0.123	0.152
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	167300	836.5	1	23.03	24.00	1.250	-	-	-0.03	0.114	0.143
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	167300	836.5	1	23.08	24.00	1.236	-	-	-0.02	0.085	0.105
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	167300	836.5	1	23.03	24.00	1.250	-	-	0.03	0.078	0.098
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	ECI 2	4182	836.4	1	23.44	24.00	1.138	-	-	-0.02	0.632	0.719
04	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	4182	836.4	1	23.44	24.00	1.138	-	-	-0.02	0.740	0.842
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	4132	826.4	1	23.39	24.00	1.151	-	-	0.04	0.691	0.795
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	4233	846.6	1	23.32	24.00	1.169	-	-	-0.17	0.712	0.833
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	ECI 2	4182	836.4	1	23.44	24.00	1.138	-	-	0.03	0.498	0.567
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	ECI 2	4182	836.4	1	23.44	24.00	1.138	-	-	0.07	0.422	0.480
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	26865	831.5	1	22.32	23.50	1.312	-	-	0.05	0.399	0.524
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 1	ECI 2	26865	831.5	1	21.54	23.00	1.400	-	-	-0.17	0.253	0.354
05	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	26865	831.5	1	22.32	23.50	1.312	-	-	0.03	0.709	0.930
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 1	ECI 2	26865	831.5	1	21.54	23.00	1.400	-	-	-0.07	0.654	0.915
	LTE Band 26	15M	QPSK	75	0	-	Right Tilted	0mm	Ant 1	ECI 2	26865	831.5	1	21.51	23.00	1.409	-	-	0.02	0.648	0.913
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	26865	831.5	1	22.32	23.50	1.312	-	-	0.02	0.112	0.147
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 1	ECI 2	26865	831.5	1	21.54	23.00	1.400	-	-	0.12	0.091	0.127
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	26865	831.5	1	22.32	23.50	1.312	-	-	0.04	0.359	0.471
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 1	ECI 2	26865	831.5	1	21.54	23.00	1.400	-	-	-0.04	0.273	0.382
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	167300	836.5	1	21.58	22.70	1.294	-	-	-0.06	0.635	0.822
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	167300	836.5	1	21.49	22.70	1.321	-	-	-0.03	0.598	0.790
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	167300	836.5	1	21.37	22.70	1.358	-	-	-0.02	0.588	0.799
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	167300	836.5	1	21.58	22.70	1.294	-	-	0.04	0.677	0.876
06	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	167300	836.5	1	21.49	22.70	1.321	-	-	0.03	0.683	0.902
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	167300	836.5	1	21.37	22.70	1.358	-	-	0.05	0.658	0.894
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	167300	836.5	1	21.58	22.70	1.294	-	-	0.03	0.334	0.432
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	167300	836.5	1	21.49	22.70	1.321	-	-	0.02	0.377	0.498
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	167300	836.5	1	21.58	22.70	1.294	-	-	0.12	0.330	0.427
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	167300	836.5	1	21.49	22.70	1.321	-	-	0.04	0.359	0.474
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	ECI 2	1413	1732.6	1	23.33	24.00	1.167	-	-	0.06	0.173	0.202
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	ECI 2	1413	1732.6	1	23.33	24.00	1.167	-	-	-0.13	0.121	0.141
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	ECI 2	1413	1732.6	1	23.33	24.00	1.167	-	-	-0.17	0.164	0.191
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	ECI 2	1413	1732.6	1	23.33	24.00	1.167	-	-	0.02	0.089	0.104
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	132322	1745	1	23.01	24.00	1.256	-	-	-0.14	0.119	0.149
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	ECI 2	132322	1745	1	21.90	23.00	1.288	-	-	0.05	0.100	0.129
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	132322	1745	1	23.01	24.00	1.256	-	-	0.13	0.082	0.103
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	ECI 2	132322	1745	1	21.90	23.00	1.288	-	-	-0.15	0.068	0.088
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	132322	1745	1	23.01	24.00	1.256	-	-	-0.18	0.056	0.070
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	ECI 2	132322	1745	1	21.90	23.00	1.288	-	-	0.04	0.043	0.055
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	132322	1745	1	23.01	24.00	1.256	-	-	0.18	0.077	0.097
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	ECI 2	132322	1745	1	21.90	23.00	1.288	-	-	0.03	0.062	0.080
	LTE_66C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 0	ECI 2	132322+132520	1745+1764.8	1	22.63	24.00	1.371	-	-	0.02	0.105	0.144
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	132322	1745	1	22.95	24.00	1.274	-	-	0.05	0.061	0.078
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	349000	1745	1	23.25	24.00	1.189	-	-	-0.03	0.105	0.125
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	349000	1745	1	23.23	24.00	1.194	-	-	0.02	0.094	0.112
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	349000	1745	1	23.25	24.00	1.189	-	-	-0.04	0.061	0.072
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	349000	1745	1	23.23	24.00	1.194	-	-	-0.03	0.056	0.067



FCC SAR Test Report

Report No. : FA361225

	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	349000	1745	1	23.25	24.00	1.189	-	-	0.04	0.098	0.116
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	349000	1745	1	23.23	24.00	1.194	-	-	-0.03	0.096	0.115
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	349000	1745	1	23.25	24.00	1.189	-	-	-0.19	0.053	0.063
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	349000	1745	1	23.23	24.00	1.194	-	-	0.06	0.049	0.059
07	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	ECI 2	1413	1732.6	1	17.55	18.60	1.274	-	-	0.08	0.537	0.684
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	1413	1732.6	1	17.55	18.60	1.274	-	-	0.01	0.713	0.908
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	1312	1712.4	1	17.45	18.60	1.303	-	-	0.04	0.686	0.894
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	1513	1752.6	1	17.49	18.60	1.291	-	-	0.01	0.665	0.859
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	ECI 2	1413	1732.6	1	17.55	18.60	1.274	-	-	0.07	0.331	0.422
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	ECI 2	1413	1732.6	1	17.55	18.60	1.274	-	-	-0.07	0.507	0.646
08	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	132322	1745	1	15.51	17.10	1.442	-	-	0.08	0.628	0.906
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	132072	1720	1	15.49	17.10	1.449	-	-	0.02	0.622	0.901
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	132572	1770	1	15.37	17.10	1.489	-	-	0.07	0.595	0.886
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	132322	1745	1	15.45	17.10	1.462	-	-	-0.18	0.583	0.852
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	132072	1720	1	15.38	17.10	1.486	-	-	-0.14	0.571	0.848
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	132572	1770	1	15.29	17.10	1.517	-	-	0.09	0.532	0.807
	LTE Band 66	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	ECI 2	132322	1745	1	15.41	17.10	1.476	-	-	0.02	0.572	0.844
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	132322	1745	1	15.51	17.10	1.442	-	-	0.01	0.632	0.911
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	132072	1720	1	15.49	17.10	1.449	-	-	0.06	0.578	0.837
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	132572	1770	1	15.37	17.10	1.489	-	-	0.14	0.568	0.846
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	132322	1745	1	15.45	17.10	1.462	-	-	0.16	0.600	0.877
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	132072	1720	1	15.38	17.10	1.486	-	-	0.06	0.581	0.863
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	132572	1770	1	15.29	17.10	1.517	-	-	0.11	0.549	0.833
	LTE Band 66	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	ECI 2	132322	1745	1	15.41	17.10	1.476	-	-	0.05	0.551	0.813
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	132322	1745	1	15.51	17.10	1.442	-	-	0.09	0.318	0.459
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	ECI 2	132322	1745	1	15.45	17.10	1.462	-	-	-0.09	0.250	0.366
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	132322	1745	1	15.51	17.10	1.442	-	-	-0.04	0.423	0.610
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	ECI 2	132322	1745	1	15.45	17.10	1.462	-	-	0.12	0.332	0.485
	LTE_66C	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 1	ECI 2	132322+132520	1745+1764.8	1	15.39	17.10	1.483	-	-	0.06	0.608	0.901
	LTE_66B	15M	QPSK	1	74	-	Right Tilted	0mm	Ant 1	ECI 2	132322+132415	1745+1754.3	1	15.42	17.10	1.472	-	-	0.11	0.599	0.882
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	132322	1745	1	15.96	17.10	1.300	-	-	0.05	0.608	0.791
09	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	349000	1745	1	16.03	17.20	1.309	-	-	0.1	0.614	0.804
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	349000	1745	1	15.97	17.20	1.327	-	-	0.06	0.653	0.867
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	349000	1745	1	15.84	17.20	1.368	-	-	0.09	0.498	0.681
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	349000	1745	1	16.03	17.20	1.309	-	-	0.09	0.650	0.851
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	349000	1745	1	15.97	17.20	1.327	-	-	0.07	0.691	0.917
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	349000	1745	1	15.84	17.20	1.368	-	-	0.1	0.623	0.852
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	349000	1745	1	16.03	17.20	1.309	-	-	0.07	0.329	0.431
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	349000	1745	1	15.97	17.20	1.327	-	-	-0.11	0.347	0.461
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	349000	1745	1	16.03	17.20	1.309	-	-	0.01	0.447	0.585
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	349000	1745	1	15.97	17.20	1.327	-	-	-0.08	0.488	0.648
	1900MHz																				
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 0	ECI 2	661	1880	1	25.89	26.50	1.151	-	-	0.05	0.202	0.232
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 0	ECI 2	661	1880	1	25.89	26.50	1.151	-	-	0.05	0.237	0.273
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 0	ECI 2	661	1880	1	25.89	26.50	1.151	-	-	-0.04	0.216	0.249
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 0	ECI 2	661	1880	1	25.89	26.50	1.151	-	-	0.12	0.249	0.287
10	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	ECI 2	9400	1880	1	23.23	24.00	1.194	-	-	0.08	0.113	0.135
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	ECI 2	9400	1880	1	23.23	24.00	1.194	-	-	0.08	0.202	0.241
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	ECI 2	9400	1880	1	23.23	24.00	1.194	-	-	0.05	0.177	0.211
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	ECI 2	9400	1880	1	23.23	24.00	1.194	-	-	0.14	0.246	0.294
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	18900	1880	1	22.56	24.00	1.393	-	-	0.18	0.138	0.192
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	ECI 2	18900	1880	1	21.54	23.00	1.400	-	-	0.04	0.123	0.172
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	18900	1880	1	22.56	24.00	1.393	-	-	0.04	0.145	0.202
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	ECI 2	18900	1880	1	21.54	23.00	1.400	-	-	0.12	0.115	0.161
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	18900	1880	1	22.56	24.00	1.393	-	-	0.13	0.134	0.187
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	ECI 2	18900	1880	1	21.54	23.00	1.400	-	-	0.03	0.106	0.148



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	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	18900	1880	1	22.56	24.00	1.393	-	-	0.08	0.161	0.224
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	ECI 2	18900	1880	1	21.54	23.00	1.400	-	-	0.09	0.135	0.189
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	376000	1880	1	22.64	23.50	1.219	-	-	0.02	0.061	0.074
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	376000	1880	1	22.57	23.50	1.239	-	-	0.06	0.073	0.090
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	376000	1880	1	22.64	23.50	1.219	-	-	0.03	0.103	0.126
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	376000	1880	1	22.57	23.50	1.239	-	-	0.19	0.121	0.150
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	376000	1880	1	22.64	23.50	1.219	-	-	-0.13	0.052	0.063
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	376000	1880	1	22.57	23.50	1.239	-	-	0.08	0.070	0.087
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	376000	1880	1	22.64	23.50	1.219	-	-	0.16	0.109	0.133
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	376000	1880	1	22.57	23.50	1.239	-	-	0.01	0.131	0.162
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	ECI 2	9400	1880	1	15.57	16.70	1.297	-	-	0.06	0.562	0.729
11	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	9400	1880	1	15.57	16.70	1.297	-	-	-0.05	0.702	0.911
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	9262	1852.4	1	15.51	16.70	1.315	-	-	0.1	0.668	0.879
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	ECI 2	9538	1907.6	1	15.46	16.70	1.330	-	-	0.03	0.653	0.869
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	ECI 2	9400	1880	1	15.57	16.70	1.297	-	-	0.02	0.404	0.524
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	ECI 2	9400	1880	1	15.57	16.70	1.297	-	-	-0.12	0.566	0.734
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	18900	1880	1	16.55	18.00	1.396	-	-	0.15	0.571	0.797
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	18900	1880	1	16.53	18.00	1.403	-	-	0.05	0.449	0.630
12	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	18900	1880	1	16.55	18.00	1.396	-	-	-0.01	0.660	0.922
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	18700	1860	1	16.47	18.00	1.422	-	-	-0.13	0.618	0.879
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	19100	1900	1	16.51	18.00	1.409	-	-	-0.11	0.644	0.908
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	18900	1880	1	16.53	18.00	1.403	-	-	0.06	0.593	0.832
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	18700	1860	1	16.33	18.00	1.469	-	-	-0.04	0.606	0.890
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	19100	1900	1	16.44	18.00	1.432	-	-	0.17	0.635	0.909
	LTE Band 2	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	ECI 2	18900	1880	1	16.48	18.00	1.419	-	-	0.14	0.603	0.856
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	18900	1880	1	16.55	18.00	1.396	-	-	0.03	0.388	0.542
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	ECI 2	18900	1880	1	16.53	18.00	1.403	-	-	-0.17	0.311	0.436
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	18900	1880	1	16.55	18.00	1.396	-	-	0.05	0.484	0.676
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	ECI 2	18900	1880	1	16.53	18.00	1.403	-	-	-0.02	0.388	0.544
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	376000	1880	1	17.41	18.50	1.285	-	-	0.04	0.626	0.805
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	376000	1880	1	17.39	18.50	1.291	-	-	-0.09	0.635	0.820
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	376000	1880	1	17.38	18.50	1.294	-	-	-0.12	0.615	0.796
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	376000	1880	1	17.41	18.50	1.285	-	-	-0.17	0.693	0.891
13	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	376000	1880	1	17.39	18.50	1.291	-	-	0.03	0.710	0.917
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	376000	1880	1	17.38	18.50	1.294	-	-	-0.15	0.573	0.742
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	376000	1880	1	17.41	18.50	1.285	-	-	0.02	0.428	0.550
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	376000	1880	1	17.39	18.50	1.291	-	-	0.05	0.465	0.600
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	376000	1880	1	17.41	18.50	1.285	-	-	0.14	0.548	0.704
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	376000	1880	1	17.39	18.50	1.291	-	-	0.15	0.581	0.750
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	21100	2535	1	23.18	24.00	1.208	-	-	-0.16	0.137	0.165
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	ECI 2	21100	2535	1	22.13	23.00	1.222	-	-	0.07	0.109	0.133
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	21100	2535	1	23.18	24.00	1.208	-	-	0.04	0.056	0.068
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	ECI 2	21100	2535	1	22.13	23.00	1.222	-	-	0.17	0.039	0.048
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	21100	2535	1	23.18	24.00	1.208	-	-	0.07	0.087	0.105
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	ECI 2	21100	2535	1	22.13	23.00	1.222	-	-	0.07	0.068	0.083
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	21100	2535	1	23.18	24.00	1.208	-	-	-0.17	0.056	0.068
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	ECI 2	21100	2535	1	22.13	23.00	1.222	-	-	0.09	0.048	0.059
	LTE_7C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 0	ECI 2	21100+21298	2535+2554.8	1	22.51	24.00	1.409	-	-	0.02	0.100	0.141
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	21100	2535	1	22.65	24.00	1.365	-	-	0.09	0.101	0.138
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.08	0.099	0.120
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	ECI 2	38000	2595	1	22.10	23.00	1.230	62.9	1.006	0.17	0.055	0.068
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.07	0.060	0.073
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	ECI 2	38000	2595	1	22.10	23.00	1.230	62.9	1.006	0.07	0.045	0.056
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.18	0.052	0.063
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	ECI 2	38000	2595	1	22.10	23.00	1.230	62.9	1.006	-0.15	0.043	0.053



FCC SAR Test Report

Report No. : FA361225

	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.02	0.030	0.036
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	ECI 2	38000	2595	1	22.10	23.00	1.230	62.9	1.006	0.05	0.022	0.027
	LTE_38C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 0	ECI 2	37901+38099	2585.1+2604.9	1	22.39	24.00	1.449	62.9	1.006	0.02	0.075	0.109
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	38000	2595	1	22.18	24.00	1.521	100	1.000	0.05	0.059	0.090
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	40620	2593	1	22.62	24.00	1.374	62.9	1.006	0.07	0.081	0.112
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	ECI 2	40620	2593	1	21.43	23.00	1.435	62.9	1.006	0.02	0.045	0.065
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	ECI 2	40620	2593	1	22.62	24.00	1.374	62.9	1.006	0.01	0.060	0.083
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	ECI 2	40620	2593	1	21.43	23.00	1.435	62.9	1.006	-0.05	0.050	0.072
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	ECI 2	40620	2593	1	22.62	24.00	1.374	62.9	1.006	0.18	0.036	0.050
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	ECI 2	40620	2593	1	21.43	23.00	1.435	62.9	1.006	0.17	0.028	0.040
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	ECI 2	40620	2593	1	22.62	24.00	1.374	62.9	1.006	0.02	0.022	0.030
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	ECI 2	40620	2593	1	21.43	23.00	1.435	62.9	1.006	-0.09	0.016	0.023
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	40620	2593	1	25.45	27.00	1.429	42.9	1.009	0.02	0.099	0.143
	LTE_41C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 0	ECI 2	40620+40818	2593+2612.8	1	22.55	24.00	1.396	62.9	1.006	0.03	0.072	0.101
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	ECI 2	40620	2593	1	22.03	24.00	1.574	100	1.000	0.01	0.047	0.074
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	507000	2535	1	23.02	24.00	1.253	-	-	0.02	0.093	0.117
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	507000	2535	1	23.01	24.00	1.256	-	-	-0.17	0.087	0.109
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	507000	2535	1	23.02	24.00	1.253	-	-	0.14	0.070	0.088
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	ECI 2	507000	2535	1	23.01	24.00	1.256	-	-	-0.03	0.062	0.078
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	507000	2535	1	23.02	24.00	1.253	-	-	-0.18	0.069	0.086
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	507000	2535	1	23.01	24.00	1.256	-	-	0.11	0.067	0.084
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	507000	2535	1	23.02	24.00	1.253	-	-	-0.17	0.053	0.066
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	ECI 2	507000	2535	1	23.01	24.00	1.256	-	-	-0.02	0.047	0.059
	FR1 n7_Other PA	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	507000	2535	1	22.58	24.00	1.387	-	-	0.09	0.063	0.087
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	ECI 2	519000	2595	1	23.37	24.00	1.156	-	-	0.02	0.164	0.190
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	ECI 2	519000	2595	1	23.25	24.00	1.189	-	-	-0.17	0.149	0.177
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	ECI 2	519000	2595	1	23.37	24.00	1.156	-	-	0.14	0.040	0.046
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	ECI 2	519000	2595	1	23.25	24.00	1.189	-	-	-0.03	0.030	0.036
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	ECI 2	519000	2595	1	23.37	24.00	1.156	-	-	-0.18	0.109	0.126
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	ECI 2	519000	2595	1	23.25	24.00	1.189	-	-	0.11	0.096	0.114
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	ECI 2	519000	2595	1	23.37	24.00	1.156	-	-	-0.17	0.074	0.086
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	ECI 2	519000	2595	1	23.25	24.00	1.189	-	-	-0.02	0.070	0.083
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	ECI 2	518598	2592.99	1	23.25	24.00	1.189	-	-	-0.06	0.123	0.146
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	ECI 2	518598	2592.99	1	22.95	24.00	1.274	-	-	0.05	0.101	0.129
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	ECI 2	518598	2592.99	1	23.25	24.00	1.189	-	-	-0.02	0.036	0.043
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	ECI 2	518598	2592.99	1	22.95	24.00	1.274	-	-	0.12	0.040	0.051
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	ECI 2	518598	2592.99	1	23.25	24.00	1.189	-	-	0.09	0.102	0.121
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	ECI 2	518598	2592.99	1	22.95	24.00	1.274	-	-	0.12	0.065	0.083
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	ECI 2	518598	2592.99	1	23.25	24.00	1.189	-	-	0.02	0.067	0.080
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	ECI 2	518598	2592.99	1	22.95	24.00	1.274	-	-	0.07	0.056	0.071
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	21100	2535	1	17.14	18.20	1.276	-	-	-0.08	0.628	0.802
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	20850	2510	1	17.09	18.20	1.291	-	-	-0.02	0.688	0.888
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	21350	2560	1	17.05	18.20	1.303	-	-	-0.02	0.639	0.833
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	21100	2535	1	17.07	18.20	1.297	-	-	-0.03	0.645	0.837
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	20850	2510	1	16.96	18.20	1.330	-	-	0.06	0.613	0.816
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	21350	2560	1	16.93	18.20	1.340	-	-	0.02	0.622	0.833
	LTE Band 7	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	ECI 2	21100	2535	1	17.04	18.20	1.306	-	-	0.11	0.609	0.795
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	21100	2535	1	17.14	18.20	1.276	-	-	-0.04	0.681	0.869
14	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	20850	2510	1	17.09	18.20	1.291	-	-	-0.03	0.717	0.926
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	21350	2560	1	17.05	18.20	1.303	-	-	-0.02	0.690	0.899
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	21100	2535	1	17.07	18.20	1.297	-	-	0.05	0.699	0.907
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	20850	2510	1	16.96	18.20	1.330	-	-	0.02	0.666	0.886
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	21350	2560	1	16.93	18.20	1.340	-	-	0.06	0.657	0.880
	LTE Band 7	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	ECI 2	21100	2535	1	17.04	18.20	1.306	-	-	0.11	0.635	0.829
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	21100	2535	1	17.14	18.20	1.276	-	-	0.07	0.593	0.757
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	ECI 2	21100	2535	1	17.07	18.20	1.297	-	-	-0.07	0.484	0.628



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	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	21100	2535	1	17.14	18.20	1.276	-	-	-0.02	0.563	0.719
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	ECI 2	21100	2535	1	17.07	18.20	1.297	-	-	0.11	0.451	0.585
	LTE_7C	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 1	ECI 2	20850+21048	2510+2529.8	1	16.58	18.20	1.452	-	-	0.05	0.609	0.884
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	20850	2510	1	16.58	18.20	1.452	-	-	0.08	0.611	0.887
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	38000	2595	1	19.06	20.30	1.330	62.9	1.006	0.05	0.689	0.922
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	37850	2580	1	18.95	20.30	1.365	62.9	1.006	0.05	0.609	0.836
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	38150	2610	1	19.01	20.30	1.346	62.9	1.006	0.05	0.625	0.846
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	38000	2595	1	19.04	20.30	1.337	62.9	1.006	-0.16	0.596	0.801
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	37850	2580	1	18.86	20.30	1.393	62.9	1.006	-0.16	0.601	0.842
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	38150	2610	1	18.95	20.30	1.365	62.9	1.006	-0.16	0.611	0.839
	LTE Band 38	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	ECI 2	38000	2595	1	19.03	20.30	1.340	62.9	1.006	-0.16	0.601	0.810
15	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	38000	2595	1	19.06	20.30	1.330	62.9	1.006	0.07	0.699	0.936
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	38000	2595	2	19.06	20.30	1.330	62.9	1.006	0.03	0.453	0.606
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	37850	2580	1	18.95	20.30	1.365	62.9	1.006	0.05	0.674	0.925
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	38150	2610	1	19.01	20.30	1.346	62.9	1.006	0.05	0.654	0.885
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	38000	2595	1	19.04	20.30	1.337	62.9	1.006	0.15	0.656	0.882
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	37850	2580	1	18.86	20.30	1.393	62.9	1.006	-0.16	0.655	0.918
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	38150	2610	1	18.95	20.30	1.365	62.9	1.006	-0.16	0.658	0.903
	LTE Band 38	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	ECI 2	38000	2595	1	19.03	20.30	1.340	62.9	1.006	-0.16	0.616	0.830
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	38000	2595	1	19.06	20.30	1.330	62.9	1.006	0.11	0.570	0.763
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	ECI 2	38000	2595	1	19.04	20.30	1.337	62.9	1.006	-0.17	0.457	0.614
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	38000	2595	1	19.06	20.30	1.330	62.9	1.006	0.04	0.521	0.697
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	ECI 2	38000	2595	1	19.04	20.30	1.337	62.9	1.006	-0.12	0.413	0.555
	LTE_38C	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 1	ECI 2	37901+38099	2585.1+2604.9	1	18.35	20.30	1.567	62.9	1.006	0.08	0.551	0.868
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	38000	2595	1	17.23	18.50	1.340	100	1.000	0.09	0.677	0.907
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	ECI 2	40620	2593	1	20.34	21.30	1.247	62.9	1.006	0.02	0.451	0.566
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	ECI 2	40620	2593	1	20.30	21.30	1.259	62.9	1.006	-0.02	0.397	0.503
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	40620	2593	1	20.34	21.30	1.247	62.9	1.006	0.15	0.612	0.768
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	39750	2506	1	20.31	21.30	1.256	62.9	1.006	-0.01	0.690	0.872
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	40185	2549.5	1	20.07	21.30	1.327	62.9	1.006	0.02	0.603	0.805
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	41055	2636.5	1	20.02	21.30	1.343	62.9	1.006	0.02	0.583	0.788
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	41490	2680	1	20.32	21.30	1.253	62.9	1.006	0.02	0.578	0.729
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	40620	2593	1	20.30	21.30	1.259	62.9	1.006	-0.17	0.641	0.812
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	39750	2506	1	20.12	21.30	1.312	62.9	1.006	0.02	0.584	0.771
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	40185	2549.5	1	19.92	21.30	1.374	62.9	1.006	0.02	0.612	0.846
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	41055	2636.5	1	19.84	21.30	1.400	62.9	1.006	0.02	0.593	0.835
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	ECI 2	41490	2680	1	20.25	21.30	1.274	62.9	1.006	0.02	0.564	0.723
	LTE Band 41	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	ECI 2	40620	2593	1	20.22	21.30	1.282	62.9	1.006	-0.02	0.556	0.717
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	ECI 2	40620	2593	1	20.34	21.30	1.247	62.9	1.006	0.04	0.418	0.525
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	ECI 2	40620	2593	1	20.30	21.30	1.259	62.9	1.006	-0.12	0.397	0.503
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	ECI 2	40620	2593	1	20.34	21.30	1.247	62.9	1.006	-0.03	0.384	0.482
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	ECI 2	40620	2593	1	20.30	21.30	1.259	62.9	1.006	0.02	0.365	0.462
16	LTE Band 41 HPUE	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	39750	2506	1	21.96	22.90	1.242	42.9	1.009	-0.01	0.740	0.927
	LTE_41C	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 1	ECI 2	39750+39948	2506+2525.8	1	20.20	21.30	1.288	62.9	1.006	0.05	0.651	0.844
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	ECI 2	39750	2506	1	18.28	19.50	1.324	100	1.000	0.05	0.651	0.862
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	507000	2535	1	17.14	18.50	1.368	-	-	0.04	0.602	0.823
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	507000	2535	1	17.11	18.50	1.377	-	-	-0.07	0.609	0.839
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	ECI 2	507000	2535	1	17.04	18.50	1.400	-	-	-0.07	0.585	0.819
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	507000	2535	1	17.14	18.50	1.368	-	-	-0.02	0.656	0.897
17	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	507000	2535	1	17.11	18.50	1.377	-	-	0.02	0.675	0.930
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	507000	2535	1	17.04	18.50	1.400	-	-	0.08	0.602	0.843
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	507000	2535	1	17.14	18.50	1.368	-	-	0.08	0.568	0.777
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	ECI 2	507000	2535	1	17.11	18.50	1.377	-	-	-0.07	0.570	0.785
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	507000	2535	1	17.14	18.50	1.368	-	-	0.01	0.580	0.793
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	ECI 2	507000	2535	1	17.11	18.50	1.377	-	-	-0.16	0.572	0.788
	FR1 n7_Other PA	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	ECI 2	507000	2535	1	17.18	18.50	1.355	-	-	0.04	0.651	0.882



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	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	ECI 2	519000	2595	1	19.09	20.00	1.233	-	-	0.04	0.641	0.790
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	ECI 2	519000	2595	1	18.98	20.00	1.265	-	-	-0.07	0.627	0.793
18	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	ECI 2	519000	2595	1	19.09	20.00	1.233	-	-	0.05	0.743	0.916
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	ECI 2	519000	2595	1	18.98	20.00	1.265	-	-	-0.07	0.669	0.846
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	ECI 2	519000	2595	1	18.95	20.00	1.274	-	-	0.08	0.681	0.867
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	ECI 2	519000	2595	1	19.09	20.00	1.233	-	-	0.08	0.589	0.726
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	ECI 2	519000	2595	1	18.98	20.00	1.265	-	-	-0.07	0.522	0.660
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	ECI 2	519000	2595	1	19.09	20.00	1.233	-	-	0.01	0.589	0.726
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	ECI 2	519000	2595	1	18.98	20.00	1.265	-	-	-0.16	0.500	0.632
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	ECI 2	518598	2592.99	1	19.12	20.40	1.343	-	-	-0.19	0.670	0.900
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	ECI 2	518598	2592.99	1	19.07	20.40	1.358	-	-	0.04	0.638	0.867
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	ECI 2	518598	2592.99	1	19.01	20.40	1.377	-	-	-0.12	0.584	0.804
19	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	ECI 2	518598	2592.99	1	19.12	20.40	1.343	-	-	-0.02	0.683	0.917
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	ECI 2	518598	2592.99	1	19.07	20.40	1.358	-	-	0.04	0.631	0.857
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	ECI 2	518598	2592.99	1	19.01	20.40	1.377	-	-	-0.12	0.627	0.864
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	ECI 2	518598	2592.99	1	19.12	20.40	1.343	-	-	0.01	0.577	0.775
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	ECI 2	518598	2592.99	1	19.07	20.40	1.358	-	-	-0.05	0.506	0.687
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	ECI 2	518598	2592.99	1	19.12	20.40	1.343	-	-	0.14	0.559	0.751
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	ECI 2	518598	2592.99	1	19.07	20.40	1.358	-	-	0.05	0.493	0.670
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	ECI 2	519000	2595	1	23.12	24.00	1.225	-	-	0.04	0.095	0.116
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	ECI 2	519000	2595	1	22.54	24.00	1.400	-	-	-0.07	0.089	0.125
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	ECI 2	519000	2595	1	23.12	24.00	1.225	-	-	0.04	0.080	0.098
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	ECI 2	519000	2595	1	22.54	24.00	1.400	-	-	0.04	0.080	0.112
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 2	ECI 2	519000	2595	1	23.12	24.00	1.225	-	-	-0.07	0.137	0.168
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Cheek	0mm	Ant 2	ECI 2	519000	2595	1	22.54	24.00	1.400	-	-	0.05	0.148	0.207
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 2	ECI 2	519000	2595	1	23.12	24.00	1.225	-	-	-0.07	0.063	0.077
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Tilted	0mm	Ant 2	ECI 2	519000	2595	1	22.54	24.00	1.400	-	-	0.08	0.059	0.083
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	ECI 2	519000	2595	1	21.44	22.50	1.276	-	-	-0.02	0.711	0.908
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	ECI 2	519000	2595	1	21.42	22.50	1.282	-	-	0.01	0.672	0.862
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 6	ECI 2	519000	2595	1	21.35	22.50	1.303	-	-	0.06	0.637	0.830
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	ECI 2	519000	2595	1	21.44	22.50	1.276	-	-	0.14	0.006	0.008
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Tilted	0mm	Ant 6	ECI 2	519000	2595	1	21.42	22.50	1.282	-	-	-0.07	0.006	0.008
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	ECI 2	519000	2595	1	21.44	22.50	1.276	-	-	0.04	0.690	0.881
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	ECI 2	519000	2595	1	21.42	22.50	1.282	-	-	0.05	0.684	0.877
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 6	ECI 2	519000	2595	1	21.35	22.50	1.303	-	-	0.11	0.634	0.826
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	ECI 2	519000	2595	1	21.44	22.50	1.276	-	-	0.03	0.006	0.008
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Tilted	0mm	Ant 6	ECI 2	519000	2595	1	21.42	22.50	1.282	-	-	0.04	0.006	0.008
3500-3900MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	ECI 2	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.06	0.089	0.125
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	ECI 2	42590	3500	1	21.60	23.00	1.380	62.9	1.006	-0.07	0.065	0.090
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	ECI 2	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.03	0.097	0.136
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	ECI 2	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.15	0.083	0.115
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	ECI 2	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.04	0.123	0.172
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	ECI 2	42590	3500	1	21.60	23.00	1.380	62.9	1.006	-0.17	0.110	0.153
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	ECI 2	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.04	0.057	0.080
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	ECI 2	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.07	0.042	0.058
	LTE_42C	20M	QPSK	1	99	-	Left Cheek	0mm	Ant 2	ECI 2	42590+42788	3500+3519.8	1	22.22	24.00	1.507	62.9	1.006	0.02	0.108	0.164
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	ECI 2	656000	3840	1	22.93	24.00	1.279	-	-	0.05	0.166	0.212
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	ECI 2	656000	3840	1	22.87	24.00	1.297	-	-	0.05	0.129	0.167
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	ECI 2	656000	3840	1	22.93	24.00	1.279	-	-	-0.03	0.176	0.225
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	ECI 2	656000	3840	1	22.87	24.00	1.297	-	-	-0.08	0.159	0.206
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 2	ECI 2	656000	3840	1	22.93	24.00	1.279	-	-	-0.08	0.236	0.302
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 2	ECI 2	656000	3840	1	22.87	24.00	1.297	-	-	0.05	0.204	0.265
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 2	ECI 2	656000	3840	1	22.93	24.00	1.279	-	-	0.1	0.124	0.159
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 2	ECI 2	656000	3840	1	22.87	24.00	1.297	-	-	0.14	0.110	0.143
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	ECI 2	42590	3500	1	19.87	20.60	1.183	62.9	1.006	0.05	0.695	0.827



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	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	ECI 2	42190	3460	1	19.75	20.60	1.216	62.9	1.006	-0.11	0.753	0.921
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	ECI 2	42990	3540	1	19.79	20.60	1.205	62.9	1.006	0.06	0.717	0.869
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	ECI 2	42590	3500	1	19.84	20.60	1.191	62.9	1.006	-0.15	0.701	0.840
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	ECI 2	42190	3460	1	19.60	20.60	1.259	62.9	1.006	0.07	0.720	0.912
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	ECI 2	42990	3540	1	19.68	20.60	1.236	62.9	1.006	0.13	0.692	0.860
	LTE Band 42	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 4	ECI 2	42590	3500	1	19.71	20.60	1.227	62.9	1.006	0.14	0.695	0.858
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	ECI 2	42590	3500	1	19.87	20.60	1.183	62.9	1.006	0.09	0.253	0.301
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	ECI 2	42590	3500	1	19.84	20.60	1.191	62.9	1.006	0.09	0.255	0.306
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	ECI 2	42590	3500	1	19.87	20.60	1.183	62.9	1.006	0.02	0.150	0.179
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	ECI 2	42590	3500	1	19.84	20.60	1.191	62.9	1.006	0.06	0.151	0.181
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	ECI 2	42590	3500	1	19.87	20.60	1.183	62.9	1.006	-0.17	0.122	0.145
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	ECI 2	42590	3500	1	19.84	20.60	1.191	62.9	1.006	0.03	0.127	0.152
	LTE_42C	20M	QPSK	1	99	-	Right Cheek	0mm	Ant 4	ECI 2	42190+42388	3460+3479.8	1	19.10	20.60	1.413	62.9	1.006	0.05	0.642	0.912
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	ECI 2	656000	3840	1	18.58	19.60	1.265	-	-	-0.09	0.729	0.922
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	ECI 2	656000	3840	2	18.58	19.60	1.265	-	-	0.03	0.695	0.879
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	ECI 2	656000	3840	1	18.54	19.60	1.276	-	-	0.02	0.677	0.864
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	ECI 2	656000	3840	1	18.47	19.60	1.297	-	-	0.08	0.634	0.822
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	ECI 2	656000	3840	1	18.58	19.60	1.265	-	-	-0.07	0.335	0.424
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	ECI 2	656000	3840	1	18.54	19.60	1.276	-	-	0.04	0.300	0.383
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	ECI 2	656000	3840	1	18.58	19.60	1.265	-	-	0.03	0.185	0.234
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	ECI 2	656000	3840	1	18.54	19.60	1.276	-	-	-0.04	0.166	0.212
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	ECI 2	656000	3840	1	18.58	19.60	1.265	-	-	0.05	0.149	0.188
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	ECI 2	656000	3840	1	18.54	19.60	1.276	-	-	-0.05	0.147	0.188
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 7	ECI 2	42590	3500	1	16.74	17.70	1.247	62.9	1.006	-0.13	0.364	0.457
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 7	ECI 2	42590	3500	1	16.65	17.70	1.274	62.9	1.006	0.11	0.344	0.441
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 7	ECI 2	42590	3500	1	16.74	17.70	1.247	62.9	1.006	0.1	0.452	0.567
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 7	ECI 2	42590	3500	1	16.65	17.70	1.274	62.9	1.006	0.09	0.431	0.552
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 7	ECI 2	42590	3500	1	16.74	17.70	1.247	62.9	1.006	0.04	0.673	0.845
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 7	ECI 2	42190	3460	1	16.67	17.70	1.268	62.9	1.006	0.04	0.657	0.838
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 7	ECI 2	42990	3540	1	16.66	17.70	1.271	62.9	1.006	-0.18	0.617	0.789
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 7	ECI 2	42590	3500	1	16.65	17.70	1.274	62.9	1.006	0.02	0.636	0.815
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 7	ECI 2	42190	3460	1	16.54	17.70	1.306	62.9	1.006	-0.02	0.617	0.811
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 7	ECI 2	42990	3540	1	16.48	17.70	1.324	62.9	1.006	0.14	0.599	0.798
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 7	ECI 2	42590	3500	1	16.55	17.70	1.303	62.9	1.006	0.05	0.589	0.772
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 7	ECI 2	42590	3500	1	16.74	17.70	1.247	62.9	1.006	0.11	0.647	0.812
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 7	ECI 2	42190	3460	1	16.67	17.70	1.268	62.9	1.006	-0.05	0.728	0.928
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 7	ECI 2	42190	3460	2	16.67	17.70	1.268	62.9	1.006	0.01	0.652	0.831
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 7	ECI 2	42990	3540	1	16.66	17.70	1.271	62.9	1.006	0.02	0.691	0.883
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 7	ECI 2	42590	3500	1	16.65	17.70	1.274	62.9	1.006	0.02	0.634	0.812
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 7	ECI 2	42190	3460	1	16.54	17.70	1.306	62.9	1.006	-0.05	0.684	0.899
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 7	ECI 2	42990	3540	1	16.48	17.70	1.324	62.9	1.006	-0.11	0.624	0.831
	LTE Band 42	20M	QPSK	100	0	-	Left Tilted	0mm	Ant 7	ECI 2	42590	3500	1	16.55	17.70	1.303	62.9	1.006	0.05	0.634	0.831
	LTE_42C	20M	QPSK	1	99	-	Left Tilted	0mm	Ant 7	ECI 2	42190+42388	3460+3479.8	1	16.02	17.70	1.472	62.9	1.006	0.09	0.619	0.917
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	ECI 2	656000	3840	1	16.03	17.00	1.250	-	-	0.13	0.473	0.591
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	ECI 2	656000	3840	1	15.98	17.00	1.265	-	-	0.18	0.525	0.664
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	ECI 2	656000	3840	1	16.03	17.00	1.250	-	-	0.06	0.657	0.821
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	ECI 2	656000	3840	1	15.98	17.00	1.265	-	-	0.08	0.683	0.864
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	ECI 2	656000	3840	1	15.85	17.00	1.303	-	-	0.07	0.678	0.884
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	ECI 2	656000	3840	1	16.03	17.00	1.250	-	-	-0.05	0.620	0.775
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	ECI 2	656000	3840	1	15.98	17.00	1.265	-	-	0.1	0.639	0.808
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	ECI 2	656000	3840	1	15.85	17.00	1.303	-	-	0.07	0.618	0.805
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	ECI 2	656000	3840	1	16.03	17.00	1.250	-	-	0.11	0.703	0.879
20	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	ECI 2	656000	3840	1	15.98	17.00	1.265	-	-	-0.09	0.732	0.926
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	ECI 2	656000	3840	2	15.98	17.00	1.265	-	-	0.03	0.511	0.646
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	ECI 2	656000	3840	1	15.85	17.00	1.303	-	-	0.09	0.701	0.914
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 8	ECI 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	0.03	0.278	0.366



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	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 8	ECI 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	-0.09	0.250	0.338
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 8	ECI 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	-0.02	0.334	0.440
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 8	ECI 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	-0.09	0.308	0.417
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 8	ECI 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	-0.16	0.697	0.918
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 8	ECI 2	42190	3460	1	16.93	18.20	1.340	62.9	1.006	0.06	0.666	0.898
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 8	ECI 2	42990	3540	1	16.75	18.20	1.396	62.9	1.006	0.01	0.635	0.892
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 8	ECI 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	0.02	0.644	0.872
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 8	ECI 2	42190	3460	1	16.85	18.20	1.365	62.9	1.006	0.03	0.615	0.844
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 8	ECI 2	42990	3540	1	16.79	18.20	1.384	62.9	1.006	0.06	0.640	0.891
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 8	ECI 2	42590	3500	1	16.95	18.20	1.334	62.9	1.006	0.01	0.636	0.853
21	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECI 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	0.04	0.709	0.934
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECI 2	42590	3500	2	17.03	18.20	1.309	62.9	1.006	0.02	0.606	0.798
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECI 2	42190	3460	1	16.93	18.20	1.340	62.9	1.006	0.03	0.685	0.923
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECI 2	42990	3540	1	16.75	18.20	1.396	62.9	1.006	0.01	0.661	0.929
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 8	ECI 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	0.09	0.656	0.888
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 8	ECI 2	42190	3460	1	16.85	18.20	1.365	62.9	1.006	0.06	0.635	0.872
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 8	ECI 2	42990	3540	1	16.79	18.20	1.384	62.9	1.006	0.02	0.643	0.895
	LTE Band 42	20M	QPSK	100	0	-	Left Tilted	0mm	Ant 8	ECI 2	42590	3500	1	16.95	18.20	1.334	62.9	1.006	0.09	0.622	0.834
	LTE_42C	20M	QPSK	1	99	-	Left Tilted	0mm	Ant 8	ECI 2	42590+42788	3500+3519.8	1	16.99	18.20	1.321	62.9	1.006	0.02	0.685	0.911
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	ECI 2	656000	3840	1	19.36	20.50	1.300	-	-	-0.08	0.263	0.342
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	ECI 2	656000	3840	1	19.33	20.50	1.309	-	-	-0.12	0.259	0.339
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	ECI 2	656000	3840	1	19.36	20.50	1.300	-	-	-0.04	0.310	0.403
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	ECI 2	656000	3840	1	19.33	20.50	1.309	-	-	-0.05	0.286	0.374
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	ECI 2	656000	3840	1	19.36	20.50	1.300	-	-	0.09	0.581	0.755
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	ECI 2	656000	3840	1	19.33	20.50	1.309	-	-	-0.02	0.573	0.750
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	ECI 2	656000	3840	1	19.36	20.50	1.300	-	-	-0.03	0.710	0.923
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	ECI 2	656000	3840	1	19.33	20.50	1.309	-	-	0.02	0.635	0.831
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	ECI 2	656000	3840	1	19.28	20.50	1.324	-	-	0.01	0.623	0.825



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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WIFI/BT																	
22	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	0.03	0.488	0.702
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	-0.05	0.494	0.711
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	-0.01	0.957	1.377
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	2	16.94	18.50	1.432	99.48	1.005	0.03	0.870	1.252
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	99.48	1.005	0.06	0.662	1.052
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(3)	Standalone	11	2462	1	16.28	18.00	1.486	99.48	1.005	-0.02	0.748	1.117
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	93.68	1.067	0.09	0.702	1.184
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	0.03	0.918	1.321
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	99.48	1.005	0.04	0.688	1.093
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(3)	Standalone	11	2462	1	16.28	18.00	1.486	99.48	1.005	0.02	0.668	0.998
23	WLAN2.4GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	93.68	1.067	0.03	0.685	1.156
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.02	0.135	0.190
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.01	0.137	0.193
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.08	0.271	0.382
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.03	0.254	0.358
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.04	0.037	0.055
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.02	0.038	0.056
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.09	0.072	0.107
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.069	0.102
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.284	0.352
24	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.09	0.267	0.331
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.01	0.515	0.638
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Full power	39	2441	2	16.93	17.50	1.140	76.66	1.087	0.05	0.493	0.611
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.03	0.419	0.519
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.06	0.103	0.148
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.04	0.010	0.015
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	0.02	0.471	0.795
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	0.06	0.501	0.845
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(7)	Standalone	62	5310	1	15.03	16.50	1.403	88.81	1.126	0.05	0.396	0.626
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	0.01	0.632	1.066
25	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Standalone	62	5310	1	15.03	16.50	1.403	88.81	1.126	0.03	0.454	0.717
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	-0.1	0.708	1.195
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(8)	Standalone	54	5270	2	16.74	18.50	1.498	88.81	1.126	0.05	0.670	1.130
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(7)	Standalone	62	5310	1	15.03	16.50	1.403	88.81	1.126	0.05	0.510	0.806
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.02	0.148	0.223
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.03	0.159	0.240
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.01	0.197	0.297
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.09	0.221	0.333
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.476	0.806
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.03	0.468	0.798
26	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.522	0.884
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.09	0.509	0.867
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.02	0.699	1.183
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Full power	110	5550	2	16.73	18.50	1.503	88.81	1.126	0.01	0.641	1.085
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.03	0.687	1.171
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.04	0.673	1.139
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.01	0.665	1.133
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.02	0.144	0.217
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.06	0.158	0.239
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.05	0.227	0.343
27	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.01	0.204	0.308
	WLAN5.8GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.06	0.496	0.779



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	WLAN5.8GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.01	0.540	0.849
	WLAN5.8GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 7+8(8)	Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.02	0.525	0.834
	WLAN5.8GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.04	0.720	1.131
	WLAN5.8GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 7+8(8)	Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.05	0.691	1.098
26	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	-0.02	0.752	1.182
	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 7+8(8)	Full power	157	5785	2	17.17	19.00	1.524	96.97	1.031	0.06	0.618	0.971
	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 7+8(8)	Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	-0.01	0.713	1.133
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.06	0.142	0.219
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.01	0.155	0.239
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.03	0.207	0.319
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	-0.02	0.224	0.345



16.2 Hotspot 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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																					
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	23095	707.5	1	23.16	24.00	1.213	-	-	0.02	0.262	0.318
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	ECI 7	23095	707.5	1	22.13	23.00	1.222	-	-	0.03	0.193	0.236
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	23095	707.5	1	23.16	24.00	1.213	-	-	-0.07	0.420	0.510
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	ECI 7	23095	707.5	1	22.13	23.00	1.222	-	-	0.01	0.337	0.412
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	23095	707.5	1	23.16	24.00	1.213	-	-	-0.02	0.111	0.135
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 0	ECI 7	23095	707.5	1	22.13	23.00	1.222	-	-	0.05	0.089	0.109
	LTE Band 12	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	23095	707.5	1	23.16	24.00	1.213	-	-	0.01	0.155	0.188
	LTE Band 12	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	ECI 7	23095	707.5	1	22.13	23.00	1.222	-	-	0.06	0.124	0.152
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	23095	707.5	1	23.16	24.00	1.213	-	-	0.07	0.268	0.325
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	ECI 7	23095	707.5	1	22.13	23.00	1.222	-	-	0.08	0.209	0.255
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	23230	782	1	23.44	24.00	1.138	-	-	0.03	0.549	0.625
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	ECI 7	23230	782	1	22.48	23.00	1.127	-	-	0.01	0.440	0.496
27	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	23230	782	1	23.44	24.00	1.138	-	-	-0.01	0.947	1.077
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	ECI 7	23230	782	1	22.48	23.00	1.127	-	-	0.02	0.743	0.838
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	23230	782	1	22.41	23.00	1.146	-	-	0.06	0.744	0.852
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	23230	782	1	23.44	24.00	1.138	-	-	0.01	0.155	0.176
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 0	ECI 7	23230	782	1	22.48	23.00	1.127	-	-	0.06	0.122	0.138
	LTE Band 13	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	23230	782	1	23.44	24.00	1.138	-	-	-0.03	0.229	0.261
	LTE Band 13	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	ECI 7	23230	782	1	22.48	23.00	1.127	-	-	0.01	0.185	0.209
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	23230	782	1	23.44	24.00	1.138	-	-	0.05	0.568	0.646
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	ECI 7	23230	782	1	22.48	23.00	1.127	-	-	0.03	0.397	0.447
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	23095	707.5	1	19.25	20.80	1.429	-	-	0.04	0.106	0.151
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	ECI 7	23095	707.5	1	19.17	20.80	1.455	-	-	0.06	0.085	0.124
28	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	23095	707.5	1	19.25	20.80	1.429	-	-	0.03	0.433	0.619
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	ECI 7	23095	707.5	1	19.17	20.80	1.455	-	-	0.01	0.397	0.578
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	23095	707.5	1	19.25	20.80	1.429	-	-	0.03	0.121	0.173
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 1	ECI 7	23095	707.5	1	19.17	20.80	1.455	-	-	0.04	0.097	0.141
	LTE Band 12	10M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	23095	707.5	1	19.25	20.80	1.429	-	-	0.06	0.051	0.073
	LTE Band 12	10M	QPSK	25	0	-	Right Side	5mm	Ant 1	ECI 7	23095	707.5	1	19.17	20.80	1.455	-	-	0.02	0.042	0.061
	LTE Band 12	10M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	23095	707.5	1	19.25	20.80	1.429	-	-	0.09	0.290	0.414
	LTE Band 12	10M	QPSK	25	0	-	Top Side	5mm	Ant 1	ECI 7	23095	707.5	1	19.17	20.80	1.455	-	-	0.01	0.231	0.336
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	23230	782	1	20.92	22.50	1.439	-	-	0.02	0.152	0.219
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	ECI 7	23230	782	1	20.78	22.50	1.486	-	-	0.01	0.120	0.178
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	23230	782	1	20.92	22.50	1.439	-	-	0.04	0.430	0.619
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	ECI 7	23230	782	1	20.78	22.50	1.486	-	-	-0.02	0.369	0.548
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	23230	782	1	20.92	22.50	1.439	-	-	0.04	0.128	0.184
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 1	ECI 7	23230	782	1	20.78	22.50	1.486	-	-	0.06	0.102	0.152
	LTE Band 13	10M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	23230	782	1	20.92	22.50	1.439	-	-	0.06	0.063	0.091
	LTE Band 13	10M	QPSK	25	0	-	Right Side	5mm	Ant 1	ECI 7	23230	782	1	20.78	22.50	1.486	-	-	0.02	0.050	0.074
	LTE Band 13	10M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	23230	782	1	20.92	22.50	1.439	-	-	-0.03	0.332	0.478
	LTE Band 13	10M	QPSK	25	0	-	Top Side	5mm	Ant 1	ECI 7	23230	782	1	20.78	22.50	1.486	-	-	0.01	0.263	0.391
835MHz																					
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	ECI 7	189	836.4	1	24.56	25.50	1.242	-	-	-0.02	0.550	0.683
29	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	189	836.4	1	24.56	25.50	1.242	-	-	-0.08	1.030	1.279
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	128	824.2	1	24.49	25.50	1.262	-	-	0.06	0.924	1.166
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	251	848.8	1	24.35	25.50	1.303	-	-	0.02	0.933	1.216
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 0	ECI 7	189	836.4	1	24.56	25.50	1.242	-	-	-0.03	0.073	0.091
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 0	ECI 7	189	836.4	1	24.56	25.50	1.242	-	-	0.01	0.127	0.158
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	189	836.4	1	24.56	25.50	1.242	-	-	0.02	0.469	0.582
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	ECI 7	4182	836.4	1	23.45	24.00	1.135	-	-	0.01	0.604	0.686



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30	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	ECI 7	4182	836.4	1	23.45	24.00	1.135	-	-	-0.05	1.010	1.146
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	ECI 7	4132	826.4	1	23.39	24.00	1.151	-	-	-0.03	0.984	1.132
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	ECI 7	4233	846.6	1	23.23	24.00	1.194	-	-	0.01	0.932	1.113
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	ECI 7	4182	836.4	1	23.45	24.00	1.135	-	-	0.09	0.102	0.116
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	ECI 7	4182	836.4	1	23.45	24.00	1.135	-	-	0.01	0.155	0.176
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	4182	836.4	1	23.45	24.00	1.135	-	-	-0.1	0.482	0.547
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	26865	831.5	1	23.05	24.00	1.245	-	-	0.01	0.527	0.656
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	ECI 7	26865	831.5	1	22.09	23.00	1.233	-	-	0.03	0.413	0.509
31	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	26865	831.5	1	23.05	24.00	1.245	-	-	0.01	1.030	1.282
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	ECI 7	26865	831.5	1	22.09	23.00	1.233	-	-	0.02	0.796	0.984
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	ECI 7	26865	831.5	1	22.04	23.00	1.247	-	-	0.03	0.808	1.008
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	26865	831.5	1	23.05	24.00	1.245	-	-	0.06	0.137	0.170
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 0	ECI 7	26865	831.5	1	22.09	23.00	1.233	-	-	0.02	0.061	0.075
	LTE Band 26	15M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	26865	831.5	1	23.05	24.00	1.245	-	-	0.06	0.120	0.149
	LTE Band 26	15M	QPSK	36	0	-	Right Side	5mm	Ant 0	ECI 7	26865	831.5	1	22.09	23.00	1.233	-	-	0.02	0.096	0.118
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	26865	831.5	1	23.05	24.00	1.245	-	-	-0.03	0.631	0.785
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	ECI 7	26865	831.5	1	22.09	23.00	1.233	-	-	0.01	0.516	0.636
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	167300	836.5	1	23.08	24.00	1.236	-	-	0.01	0.541	0.669
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	167300	836.5	1	23.03	24.00	1.250	-	-	-0.05	0.570	0.713
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	167300	836.5	1	23.08	24.00	1.236	-	-	-0.03	0.836	1.033
32	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	167300	836.5	1	23.03	24.00	1.250	-	-	0.03	0.905	1.131
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	167300	836.5	1	21.96	23.00	1.271	-	-	0.09	0.738	0.938
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	167300	836.5	1	23.08	24.00	1.236	-	-	-0.07	0.076	0.094
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	167300	836.5	1	23.03	24.00	1.250	-	-	0.04	0.099	0.124
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	167300	836.5	1	23.08	24.00	1.236	-	-	-0.1	0.106	0.131
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	167300	836.5	1	23.03	24.00	1.250	-	-	-0.12	0.145	0.181
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	167300	836.5	1	23.08	24.00	1.236	-	-	-0.08	0.628	0.776
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	167300	836.5	1	23.03	24.00	1.250	-	-	0.16	0.554	0.693
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	ECI 7	4182	836.4	1	21.83	22.50	1.167	-	-	0.01	0.167	0.195
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	ECI 7	4182	836.4	1	21.83	22.50	1.167	-	-	-0.05	0.458	0.534
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	ECI 7	4182	836.4	1	21.83	22.50	1.167	-	-	0.02	0.113	0.132
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 1	ECI 7	4182	836.4	1	21.83	22.50	1.167	-	-	0.06	0.010	0.012
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	ECI 7	4182	836.4	1	21.83	22.50	1.167	-	-	0.02	0.306	0.357
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	26865	831.5	1	21.21	22.50	1.346	-	-	0.02	0.127	0.171
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 1	ECI 7	26865	831.5	1	21.12	22.50	1.374	-	-	-0.03	0.098	0.135
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	26865	831.5	1	21.21	22.50	1.346	-	-	-0.02	0.471	0.634
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 1	ECI 7	26865	831.5	1	21.12	22.50	1.374	-	-	0.02	0.370	0.508
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	26865	831.5	1	21.21	22.50	1.346	-	-	0.09	0.078	0.105
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 1	ECI 7	26865	831.5	1	21.12	22.50	1.374	-	-	0.01	0.064	0.088
	LTE Band 26	15M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	26865	831.5	1	21.21	22.50	1.346	-	-	0.03	0.013	0.017
	LTE Band 26	15M	QPSK	36	0	-	Right Side	5mm	Ant 1	ECI 7	26865	831.5	1	21.12	22.50	1.374	-	-	0.06	0.006	0.008
	LTE Band 26	15M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	26865	831.5	1	21.21	22.50	1.346	-	-	0.02	0.386	0.520
	LTE Band 26	15M	QPSK	36	0	-	Top Side	5mm	Ant 1	ECI 7	26865	831.5	1	21.12	22.50	1.374	-	-	0.06	0.303	0.416
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	167300	836.5	1	20.57	21.50	1.239	-	-	0.06	0.249	0.308
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	167300	836.5	1	20.45	21.50	1.274	-	-	0.03	0.246	0.313
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	167300	836.5	1	20.57	21.50	1.239	-	-	-0.02	0.441	0.546
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	167300	836.5	1	20.45	21.50	1.274	-	-	-0.06	0.411	0.523
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	167300	836.5	1	20.57	21.50	1.239	-	-	-0.13	0.200	0.248
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	167300	836.5	1	20.45	21.50	1.274	-	-	0.09	0.159	0.202
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	167300	836.5	1	20.57	21.50	1.239	-	-	0.02	0.065	0.081
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	167300	836.5	1	20.45	21.50	1.274	-	-	0.09	0.064	0.082
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	167300	836.5	1	20.57	21.50	1.239	-	-	0.07	0.511	0.633
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	167300	836.5	1	20.45	21.50	1.274	-	-	-0.16	0.447	0.569
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.02	0.407	0.538
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.03	0.520	0.687



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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.01	0.025	0.033
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.02	0.038	0.050
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.06	0.893	1.180
33	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	1312	1712.4	1	17.21	18.50	1.346	-	-	-0.1	0.958	1.289
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	1513	1752.6	1	17.12	18.50	1.374	-	-	0.02	0.867	1.191
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.02	0.592	0.773
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.06	0.478	0.629
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.03	0.696	0.909
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	132072	1720	1	16.50	17.70	1.318	-	-	0.09	0.660	0.870
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	132572	1770	1	16.41	17.70	1.346	-	-	0.01	0.654	0.880
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.06	0.662	0.871
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	132072	1720	1	16.35	17.70	1.365	-	-	0.01	0.633	0.864
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	132572	1770	1	16.46	17.70	1.330	-	-	0.02	0.649	0.863
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	132322	1745	1	16.35	17.70	1.365	-	-	0.09	0.593	0.809
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.01	0.054	0.071
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.03	0.044	0.058
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.06	0.050	0.065
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.09	0.042	0.055
34	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.01	0.972	1.270
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132072	1720	1	16.50	17.70	1.318	-	-	0.01	0.924	1.218
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132572	1770	1	16.41	17.70	1.346	-	-	0.02	0.921	1.240
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.09	0.883	1.161
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	132072	1720	1	16.35	17.70	1.365	-	-	0.01	0.846	1.154
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	132572	1770	1	16.46	17.70	1.330	-	-	0.03	0.894	1.189
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.35	17.70	1.365	-	-	0.09	0.799	1.090
	LTE 66C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	132322+132520	1745+1764.8	1	16.43	17.70	1.340	-	-	0.09	0.859	1.151
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.52	17.70	1.312	-	-	0.05	0.931	1.222
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.03	0.480	0.626
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.09	0.513	0.679
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.01	0.586	0.764
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.03	0.602	0.797
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.06	0.037	0.048
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.01	0.040	0.053
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.02	0.054	0.070
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.09	0.049	0.065
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.01	0.854	1.113
35	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.02	0.968	1.282
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	349000	1745	1	16.52	17.80	1.343	-	-	0.03	0.852	1.144
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.09	0.194	0.239
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.01	0.496	0.612
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.02	0.071	0.088
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.09	0.013	0.016
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	-0.01	0.504	0.621
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.01	0.216	0.289
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.03	0.177	0.239
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.09	0.442	0.592
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.03	0.353	0.476
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.06	0.075	0.100
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.01	0.062	0.084
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.02	0.016	0.021
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.09	0.013	0.018
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	-0.02	0.459	0.615
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.06	0.373	0.503
	LTE 66C	20M	QPSK	1	99	-	Top Side	5mm	Ant 1	ECI 7	132322+132520	1745+1764.8	1	13.65	15.20	1.429	-	-	0.05	0.399	0.570
	LTE 66B	15M	QPSK	1	74	-	Top Side	5mm	Ant 1	ECI 7	132322+132415	1745+1754.3	1	13.84	15.20	1.368	-	-	0.06	0.409	0.559
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	132322	1745	1	13.97	15.20	1.327	-	-	0.05	0.421	0.559



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	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.02	0.183	0.237
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.09	0.202	0.266
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.01	0.354	0.458
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.02	0.422	0.555
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.09	0.073	0.094
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.01	0.080	0.105
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.02	0.011	0.014
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.09	0.013	0.017
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.09	0.415	0.537
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	-0.03	0.468	0.616
1900MHz																					
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.09	0.473	0.600
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.03	0.592	0.750
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.02	0.054	0.068
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	-0.13	0.043	0.055
36	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.03	1.090	1.382
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	661	1880	2	18.97	20.00	1.268	-	-	0.01	0.960	1.217
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	512	1850.2	1	18.88	20.00	1.294	-	-	0.05	1.060	1.372
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	810	1909.8	1	18.97	20.00	1.268	-	-	0.07	1.010	1.280
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	-0.12	0.378	0.518
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	-0.01	0.472	0.647
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	0.11	0.026	0.036
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	0.1	0.044	0.060
37	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	0.01	0.928	1.272
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	9262	1852.4	1	14.85	16.30	1.396	-	-	0.11	0.873	1.219
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	9538	1907.6	1	14.91	16.30	1.377	-	-	0.03	0.870	1.198
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.16	0.453	0.559
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	0.11	0.361	0.452
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.11	0.561	0.692
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	0.14	0.541	0.678
	LTE Band 2	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	0.03	0.035	0.043
	LTE Band 2	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	0.14	0.028	0.035
	LTE Band 2	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.04	0.045	0.055
	LTE Band 2	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	-0.17	0.044	0.055
38	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.01	1.030	1.270
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	18700	1860	1	15.77	16.70	1.239	-	-	0.05	0.996	1.234
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	19100	1900	1	15.73	16.70	1.250	-	-	0.03	0.971	1.214
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	-0.08	0.952	1.193
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	18700	1860	1	15.67	16.70	1.268	-	-	0.07	0.913	1.157
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	19100	1900	1	15.70	16.70	1.259	-	-	0.08	0.969	1.220
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	18900	1880	1	15.67	16.70	1.268	-	-	0.07	0.968	1.227
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	-0.09	0.396	0.524
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	-0.01	0.414	0.557
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	-0.06	0.440	0.583
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	0.07	0.501	0.674
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	0.11	0.028	0.037
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	0.06	0.033	0.044
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	-0.14	0.044	0.058
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	-0.13	0.047	0.063
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	0.06	0.915	1.212
39	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	-0.01	0.950	1.279
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	376000	1880	1	16.79	18.10	1.352	-	-	0.06	0.903	1.221
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.06	0.211	0.260
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.06	0.493	0.608
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.09	0.057	0.070
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.07	0.028	0.035



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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	-0.05	0.501	0.618
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	0.03	0.180	0.262
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.03	0.145	0.214
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	-0.06	0.408	0.594
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.04	0.317	0.468
	LTE Band 2	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	0.04	0.051	0.074
	LTE Band 2	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	-0.1	0.042	0.062
	LTE Band 2	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	0.1	0.025	0.036
	LTE Band 2	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.07	0.020	0.030
	LTE Band 2	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	-0.05	0.432	0.629
	LTE Band 2	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.06	0.317	0.468
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	0.07	0.187	0.257
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.13	0.202	0.286
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	-0.15	0.401	0.551
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	0.02	0.433	0.613
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	0.14	0.065	0.089
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.12	0.067	0.095
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	-0.13	0.025	0.034
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.12	0.020	0.028
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	-0.04	0.448	0.616
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.03	0.433	0.613
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	0.08	0.453	0.551
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.08	0.368	0.453
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	-0.02	0.747	0.908
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	20850	2510	1	17.03	18.00	1.250	-	-	-0.15	0.711	0.889
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	21350	2560	1	16.99	18.00	1.262	-	-	0.04	0.674	0.850
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.18	0.703	0.865
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	20850	2510	1	17.02	18.00	1.253	-	-	0.02	0.693	0.868
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	21350	2560	1	16.96	18.00	1.271	-	-	0.06	0.652	0.828
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	21100	2535	1	17.05	18.00	1.245	-	-	-0.08	0.672	0.836
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	0.06	0.012	0.015
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.08	0.011	0.014
	LTE Band 7	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	-0.18	0.056	0.068
	LTE Band 7	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.04	0.046	0.057
40	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	0.03	1.060	1.289
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	20850	2510	1	17.03	18.00	1.250	-	-	0.1	1.020	1.275
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21350	2560	1	16.99	18.00	1.262	-	-	0.04	0.938	1.184
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.09	0.908	1.117
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	20850	2510	1	17.02	18.00	1.253	-	-	0.06	0.957	1.199
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	21350	2560	1	16.96	18.00	1.271	-	-	-0.03	0.949	1.206
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.05	18.00	1.245	-	-	0.05	0.953	1.186
	LTE 7C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	21100+21298	2535+2554.8	1	16.88	18.00	1.294	-	-	0.01	0.956	1.237
	LTE 7C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	20850+21048	2510+2529.8	1	16.74	18.00	1.337	-	-	0.06	0.923	1.234
	LTE 7C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21350+21152	2560+2540.2	1	16.72	18.00	1.343	-	-	0.02	0.910	1.222
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	16.74	18.00	1.337	-	-	0.09	0.868	1.160
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.02	0.478	0.617
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	-0.18	0.374	0.493
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.06	0.786	1.014
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	37850	2580	1	19.21	20.40	1.315	62.9	1.006	0.1	0.753	0.996
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	38150	2610	1	19.14	20.40	1.337	62.9	1.006	0.18	0.741	0.996
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	-0.04	0.710	0.935
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	37850	2580	1	19.20	20.40	1.318	62.9	1.006	-0.04	0.701	0.930
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	38150	2610	1	19.22	20.40	1.312	62.9	1.006	-0.15	0.651	0.859
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	38000	2595	1	19.16	20.40	1.330	62.9	1.006	0.04	0.699	0.936
	LTE Band 38	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	-0.12	0.020	0.026



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	LTE Band 38	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	0.01	0.015	0.020
	LTE Band 38	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.09	0.036	0.046
	LTE Band 38	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	0.1	0.034	0.045
41	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.02	1.010	1.303
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	38000	2595	2	19.32	20.40	1.282	62.9	1.006	0.03	0.877	1.131
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	37850	2580	1	19.21	20.40	1.315	62.9	1.006	-0.07	0.905	1.197
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	38150	2610	1	19.14	20.40	1.337	62.9	1.006	0.02	0.937	1.260
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	0.11	0.972	1.280
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	37850	2580	1	19.20	20.40	1.318	62.9	1.006	-0.15	0.941	1.248
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	38150	2610	1	19.22	20.40	1.312	62.9	1.006	0.02	0.949	1.253
	LTE Band 38	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	38000	2595	1	19.16	20.40	1.330	62.9	1.006	0.09	0.942	1.261
	LTE 38C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	37901+38099	2585.1+2604.9	1	19.03	20.40	1.371	62.9	1.006	0.11	0.933	1.287
	LTE 38C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	37850+38048	2580+2599.8	1	18.94	20.40	1.400	62.9	1.006	0.03	0.902	1.270
	LTE 38C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	38150+37952	2610+2590.2	1	18.91	20.40	1.409	62.9	1.006	0.01	0.896	1.270
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	38000	2595	1	16.68	17.50	1.208	100	1.000	0.05	0.889	1.074
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.1	0.378	0.458
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.08	0.297	0.364
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.01	0.664	0.805
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	39750	2506	1	21.25	22.10	1.216	62.9	1.006	0.03	0.599	0.733
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	40185	2549.5	1	21.23	22.10	1.222	62.9	1.006	-0.05	0.588	0.723
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	41055	2636.5	1	21.15	22.10	1.245	62.9	1.006	0.11	0.577	0.722
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	41490	2680	1	21.12	22.10	1.253	62.9	1.006	0.06	0.594	0.749
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	-0.13	0.649	0.796
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	39750	2506	1	21.17	22.10	1.239	62.9	1.006	0.18	0.589	0.734
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	40185	2549.5	1	21.04	22.10	1.276	62.9	1.006	-0.13	0.614	0.788
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	41055	2636.5	1	21.16	22.10	1.242	62.9	1.006	0.03	0.587	0.733
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	41490	2680	1	21.13	22.10	1.250	62.9	1.006	-0.12	0.565	0.711
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	40620	2593	1	21.09	22.10	1.262	62.9	1.006	-0.1	0.540	0.685
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	-0.17	0.019	0.023
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.11	0.014	0.017
	LTE Band 41	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.07	0.036	0.044
	LTE Band 41	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.03	0.033	0.040
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.03	0.998	1.210
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	39750	2506	1	21.25	22.10	1.216	62.9	1.006	0.06	0.895	1.095
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	40185	2549.5	1	21.23	22.10	1.222	62.9	1.006	-0.14	0.860	1.057
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	41055	2636.5	1	21.15	22.10	1.245	62.9	1.006	0.06	0.862	1.079
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	41490	2680	1	21.12	22.10	1.253	62.9	1.006	0.01	0.879	1.108
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.08	0.902	1.106
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	39750	2506	1	21.17	22.10	1.239	62.9	1.006	0.1	0.869	1.083
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	40185	2549.5	1	21.04	22.10	1.276	62.9	1.006	-0.04	0.828	1.063
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	41055	2636.5	1	21.16	22.10	1.242	62.9	1.006	-0.1	0.861	1.075
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	41490	2680	1	21.13	22.10	1.250	62.9	1.006	-0.1	0.887	1.116
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	40620	2593	1	21.09	22.10	1.262	62.9	1.006	0.02	0.872	1.107
42	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	40620	2593	1	22.80	23.70	1.230	42.9	1.009	0.05	1.040	1.291
	LTE 41C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	40620+40818	2593+2612.8	1	21.02	22.10	1.282	62.9	1.006	0.03	0.921	1.188
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	40620	2593	1	18.09	19.00	1.233	100	1.000	0.09	0.794	0.979
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	507000	2535	1	14.83	15.90	1.279	-	-	-0.05	0.370	0.473
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	507000	2535	1	14.76	15.90	1.300	-	-	-0.16	0.362	0.471
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	507000	2535	1	14.83	15.90	1.279	-	-	0.07	0.705	0.902
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	507000	2535	1	14.76	15.90	1.300	-	-	-0.03	0.686	0.892
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	507000	2535	1	14.67	15.90	1.327	-	-	0.04	0.676	0.897
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	507000	2535	1	14.83	15.90	1.279	-	-	0.07	0.021	0.027
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	507000	2535	1	14.76	15.90	1.300	-	-	0.14	0.030	0.039
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	507000	2535	1	14.83	15.90	1.279	-	-	0.15	0.091	0.116
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	507000	2535	1	14.76	15.90	1.300	-	-	0.06	0.075	0.098
43	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	507000	2535	1	14.83	15.90	1.279	-	-	0.02	1.010	1.292



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	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	507000	2535	1	14.76	15.90	1.300	-	-	-0.02	0.988	1.285
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	507000	2535	1	14.67	15.90	1.327	-	-	0.18	0.894	1.187
	FR1 n7_Other PA	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	507000	2535	1	14.66	15.90	1.330	-	-	0.05	0.931	1.239
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	ECI 7	519000	2595	1	16.19	17.40	1.321	-	-	-0.07	0.453	0.599
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 0	ECI 7	519000	2595	1	16.16	17.40	1.330	-	-	-0.1	0.421	0.560
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	ECI 7	519000	2595	1	16.19	17.40	1.321	-	-	-0.14	0.672	0.888
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 0	ECI 7	519000	2595	1	16.16	17.40	1.330	-	-	0.08	0.631	0.840
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Back	5mm	Ant 0	ECI 7	519000	2595	1	16.00	17.40	1.380	-	-	-0.1	0.611	0.843
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 0	ECI 7	519000	2595	1	16.19	17.40	1.321	-	-	-0.02	0.020	0.026
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 0	ECI 7	519000	2595	1	16.16	17.40	1.330	-	-	0.07	0.032	0.043
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 0	ECI 7	519000	2595	1	16.19	17.40	1.321	-	-	-0.04	0.078	0.103
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Side	5mm	Ant 0	ECI 7	519000	2595	1	16.16	17.40	1.330	-	-	0.02	0.078	0.104
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	ECI 7	519000	2595	1	16.19	17.40	1.321	-	-	0.01	0.965	1.275
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	ECI 7	519000	2595	1	16.16	17.40	1.330	-	-	0.02	0.926	1.232
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	ECI 7	519000	2595	1	16.00	17.40	1.380	-	-	-0.07	0.891	1.230
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	ECI 7	518598	2592.99	1	16.98	18.00	1.265	-	-	-0.17	0.435	0.550
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	ECI 7	518598	2592.99	1	16.81	18.00	1.315	-	-	0.01	0.378	0.497
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	ECI 7	518598	2592.99	1	16.98	18.00	1.265	-	-	0.16	0.750	0.949
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	ECI 7	518598	2592.99	1	16.81	18.00	1.315	-	-	-0.05	0.668	0.879
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	ECI 7	518598	2592.99	1	16.73	18.00	1.340	-	-	-0.16	0.628	0.841
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.98	18.00	1.265	-	-	0.06	0.027	0.034
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.81	18.00	1.315	-	-	0.05	0.033	0.043
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.98	18.00	1.265	-	-	0.07	0.083	0.105
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.81	18.00	1.315	-	-	0.03	0.064	0.084
44	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.98	18.00	1.265	-	-	0.01	1.020	1.290
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.81	18.00	1.315	-	-	0.09	0.923	1.214
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	5mm	Ant 0	ECI 7	518598	2592.99	1	16.73	18.00	1.340	-	-	0.05	0.876	1.174
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	21100	2535	1	15.69	16.70	1.262	-	-	-0.14	0.270	0.341
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	21100	2535	1	15.67	16.70	1.268	-	-	-0.04	0.221	0.280
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	21100	2535	1	15.69	16.70	1.262	-	-	-0.13	0.426	0.538
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	21100	2535	1	15.67	16.70	1.268	-	-	0.04	0.346	0.439
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	21100	2535	1	15.69	16.70	1.262	-	-	0.17	0.039	0.049
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	21100	2535	1	15.67	16.70	1.268	-	-	0.01	0.032	0.041
	LTE Band 7	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	21100	2535	1	15.69	16.70	1.262	-	-	-0.1	0.013	0.016
	LTE Band 7	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	21100	2535	1	15.67	16.70	1.268	-	-	0.18	0.012	0.015
	LTE Band 7	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	21100	2535	1	15.69	16.70	1.262	-	-	0.02	0.488	0.616
	LTE Band 7	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	21100	2535	1	15.67	16.70	1.268	-	-	-0.03	0.389	0.493
	LTE 7C	20M	QPSK	1	99	-	Top Side	5mm	Ant 1	ECI 7	21100+21298	2535+2554.8	1	15.13	16.70	1.435	-	-	0.02	0.410	0.589
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	21100	2535	1	15.02	16.70	1.472	-	-	0.08	0.359	0.529
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	38000	2595	1	18.07	19.50	1.390	62.9	1.006	0.02	0.238	0.333
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	38000	2595	1	18.03	19.50	1.403	62.9	1.006	0.03	0.188	0.265
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	38000	2595	1	18.07	19.50	1.390	62.9	1.006	0.09	0.445	0.622
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	38000	2595	1	18.03	19.50	1.403	62.9	1.006	0.07	0.355	0.501
	LTE Band 38	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	38000	2595	1	18.07	19.50	1.390	62.9	1.006	0.07	0.040	0.056
	LTE Band 38	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	38000	2595	1	18.03	19.50	1.403	62.9	1.006	0.14	0.033	0.047
	LTE Band 38	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	38000	2595	1	18.07	19.50	1.390	62.9	1.006	-0.13	0.013	0.018
	LTE Band 38	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	38000	2595	1	18.03	19.50	1.403	62.9	1.006	-0.03	0.012	0.017
	LTE Band 38	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	38000	2595	1	18.07	19.50	1.390	62.9	1.006	-0.1	0.453	0.633
	LTE Band 38	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	38000	2595	1	18.03	19.50	1.403	62.9	1.006	-0.04	0.342	0.483
	LTE 38C	20M	QPSK	1	99	-	Top Side	5mm	Ant 1	ECI 7	37901+38099	2585.1+2604.9	1	17.60	19.50	1.549	62.9	1.006	0.03	0.403	0.628
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	38000	2595	1	16.42	17.50	1.282	100	1.000	0.05	0.411	0.527
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	0.03	0.204	0.259
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	0.02	0.160	0.205
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	0.13	0.393	0.499
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	0.03	0.303	0.389
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	-0.17	0.035	0.044



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	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	0.09	0.029	0.037
	LTE Band 41	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	-0.18	0.015	0.019
	LTE Band 41	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	-0.09	0.012	0.015
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	0.06	0.493	0.626
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	39750	2506	1	17.94	19.10	1.306	62.9	1.006	0.03	0.471	0.619
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	40185	2549.5	1	18.03	19.10	1.279	62.9	1.006	-0.14	0.460	0.592
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	41055	2636.5	1	17.97	19.10	1.297	62.9	1.006	-0.15	0.439	0.573
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	41490	2680	1	18.01	19.10	1.285	62.9	1.006	0.05	0.477	0.617
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	0.04	0.455	0.584
	LTE Band 41	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	ECI 7	40620	2593	1	18.00	19.10	1.288	62.9	1.006	-0.09	0.434	0.562
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	40620	2593	1	19.78	20.70	1.236	42.9	1.009	-0.02	0.497	0.620
	LTE 41C	20M	QPSK	1	99	-	Top Side	5mm	Ant 1	ECI 7	40620+40818	2593+2612.8	1	17.97	19.10	1.297	62.9	1.006	-0.09	0.459	0.599
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	40620	2593	1	15.88	17.00	1.294	100	1.000	0.03	0.428	0.554
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	507000	2535	1	15.48	16.60	1.294	-	-	-0.03	0.238	0.308
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	507000	2535	1	15.41	16.60	1.315	-	-	-0.04	0.258	0.339
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	507000	2535	1	15.48	16.60	1.294	-	-	0.06	0.353	0.457
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	507000	2535	1	15.41	16.60	1.315	-	-	0.08	0.460	0.605
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	507000	2535	1	15.48	16.60	1.294	-	-	0.05	0.033	0.043
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	507000	2535	1	15.41	16.60	1.315	-	-	0.05	0.042	0.055
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	507000	2535	1	15.48	16.60	1.294	-	-	0.06	0.014	0.018
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	507000	2535	1	15.41	16.60	1.315	-	-	0.03	0.012	0.016
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	507000	2535	1	15.48	16.60	1.294	-	-	0.02	0.406	0.525
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	507000	2535	1	15.41	16.60	1.315	-	-	-0.03	0.475	0.625
	FR1 n7_Other PA	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	507000	2535	1	15.66	16.60	1.242	-	-	0.08	0.429	0.533
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	519000	2595	1	15.85	17.20	1.365	-	-	0.07	0.199	0.272
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	519000	2595	1	15.81	17.20	1.377	-	-	0.03	0.212	0.292
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	519000	2595	1	15.85	17.20	1.365	-	-	0.07	0.434	0.592
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	519000	2595	1	15.81	17.20	1.377	-	-	0.03	0.396	0.545
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	519000	2595	1	15.85	17.20	1.365	-	-	0.18	0.041	0.056
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	519000	2595	1	15.81	17.20	1.377	-	-	0.17	0.042	0.058
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECI 7	519000	2595	1	15.85	17.20	1.365	-	-	0.12	0.011	0.015
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECI 7	519000	2595	1	15.81	17.20	1.377	-	-	-0.02	0.010	0.014
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECI 7	519000	2595	1	15.85	17.20	1.365	-	-	0.04	0.355	0.484
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECI 7	519000	2595	1	15.81	17.20	1.377	-	-	0.03	0.447	0.616
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.18	0.266	0.328
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.05	0.234	0.294
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.02	0.431	0.531
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.11	0.478	0.600
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	518598	2592.99	1	15.99	16.90	1.233	-	-	-0.05	0.045	0.055
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.04	0.048	0.060
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECI 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.08	0.016	0.020
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECI 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.05	0.010	0.013
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECI 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.18	0.428	0.528
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECI 7	518598	2592.99	1	15.91	16.90	1.256	-	-	-0.05	0.497	0.624
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	519000	2595	1	23.12	23.50	1.091	-	-	0.07	0.389	0.425
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	519000	2595	1	22.54	23.50	1.247	-	-	0.03	0.345	0.430
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	519000	2595	1	23.12	23.50	1.091	-	-	0.07	0.713	0.778
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	519000	2595	1	22.54	23.50	1.247	-	-	0.03	0.625	0.780
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	519000	2595	1	23.12	23.50	1.091	-	-	0.18	1.020	1.113
45	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	519000	2595	1	22.54	23.50	1.247	-	-	-0.01	1.030	1.285
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	519000	2595	2	22.54	23.50	1.247	-	-	0.03	0.940	1.173
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	519000	2595	1	21.59	23.00	1.384	-	-	0.08	0.851	1.177
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	519000	2595	1	23.12	23.50	1.091	-	-	0.04	0.279	0.305
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	519000	2595	1	22.54	23.50	1.247	-	-	0.03	0.428	0.534
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	ECI 7	519000	2595	1	14.31	15.50	1.315	-	-	0.03	0.106	0.139
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 6	ECI 7	519000	2595	1	14.28	15.50	1.324	-	-	0.03	0.127	0.168



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	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	ECI 7	519000	2595	1	14.31	15.50	1.315	-	-	0.03	0.153	0.201
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 6	ECI 7	519000	2595	1	14.28	15.50	1.324	-	-	0.04	0.161	0.213
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 6	ECI 7	519000	2595	1	14.31	15.50	1.315	-	-	0.18	0.494	0.650
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 6	ECI 7	519000	2595	1	14.28	15.50	1.324	-	-	0.06	0.516	0.683
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 6	ECI 7	519000	2595	2	14.28	15.50	1.324	-	-	0.11	0.474	0.628
3500-3900MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 2	ECI 7	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.02	0.375	0.526
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 2	ECI 7	42590	3500	1	21.60	23.00	1.380	62.9	1.006	-0.17	0.293	0.407
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 2	ECI 7	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.02	0.422	0.591
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 2	ECI 7	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.06	0.306	0.425
	LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	ECI 7	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.03	0.859	1.204
46	LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	ECI 7	42190	3460	1	22.47	24.00	1.422	62.9	1.006	0.03	0.872	1.248
	LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	ECI 7	42190	3460	2	22.47	24.00	1.422	62.9	1.006	0.02	0.765	1.095
	LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	ECI 7	42990	3540	1	22.42	24.00	1.439	62.9	1.006	0.05	0.797	1.154
	LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 2	ECI 7	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.04	0.817	1.135
	LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 2	ECI 7	42190	3460	1	21.56	23.00	1.393	62.9	1.006	0.18	0.791	1.109
	LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 2	ECI 7	42990	3540	1	21.51	23.00	1.409	62.9	1.006	0.09	0.748	1.060
	LTE Band 42	20M	QPSK	100	0	-	Left Side	5mm	Ant 2	ECI 7	42590	3500	1	21.45	23.00	1.429	62.9	1.006	0.02	0.804	1.156
	LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 2	ECI 7	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.17	0.047	0.066
	LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 2	ECI 7	42590	3500	1	21.60	23.00	1.380	62.9	1.006	-0.05	0.049	0.068
	LTE Band 42	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 2	ECI 7	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.02	0.118	0.165
	LTE Band 42	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 2	ECI 7	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.03	0.102	0.142
	LTE 42C	20M	QPSK	1	99	-	Left Side	5mm	Ant 2	ECI 7	42190+42388	3460+3479.8	1	22.10	24.00	1.549	62.9	1.006	0.02	0.791	1.232
	LTE 42C	20M	QPSK	1	99	-	Left Side	5mm	Ant 2	ECI 7	42590+42788	3500+3519.8	1	22.22	24.00	1.507	62.9	1.006	0.09	0.788	1.194
	LTE 42C	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	ECI 7	42990+42792	3540+3520.2	1	22.16	24.00	1.528	62.9	1.006	-0.02	0.793	1.219
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	656000	3840	1	22.11	23.20	1.285	-	-	0.09	0.482	0.620
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312	-	-	0.07	0.446	0.585
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	656000	3840	1	22.11	23.20	1.285	-	-	0.09	0.459	0.590
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312	-	-	0.11	0.465	0.610
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	1	22.11	23.20	1.285	-	-	0.04	0.874	1.123
47	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312	-	-	-0.09	0.971	1.274
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	2	22.02	23.20	1.312	-	-	0.02	0.920	1.207
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	1	22.01	23.20	1.315	-	-	0.04	0.868	1.142
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	656000	3840	1	22.11	23.20	1.285	-	-	-0.05	0.027	0.035
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312	-	-	-0.02	0.030	0.039
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	656000	3840	1	22.11	23.20	1.285	-	-	0.18	0.148	0.190
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312	-	-	-0.17	0.127	0.167
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 4	ECI 7	42590	3500	1	16.39	17.20	1.205	62.9	1.006	-0.01	0.211	0.256
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 4	ECI 7	42590	3500	1	16.33	17.20	1.222	62.9	1.006	0.06	0.235	0.289
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 4	ECI 7	42590	3500	1	16.39	17.20	1.205	62.9	1.006	0.03	0.462	0.560
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 4	ECI 7	42590	3500	1	16.33	17.20	1.222	62.9	1.006	-0.06	0.422	0.519
	LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	ECI 7	42590	3500	1	16.39	17.20	1.205	62.9	1.006	0.01	0.517	0.627
	LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	ECI 7	42590	3500	1	16.33	17.20	1.222	62.9	1.006	-0.08	0.475	0.584
	LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 4	ECI 7	42590	3500	1	16.39	17.20	1.205	62.9	1.006	0.05	0.006	0.007
	LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 4	ECI 7	42590	3500	1	16.33	17.20	1.222	62.9	1.006	-0.16	0.007	0.009
	LTE Band 42	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	ECI 7	42590	3500	1	16.39	17.20	1.205	62.9	1.006	0.04	0.054	0.065
	LTE Band 42	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	ECI 7	42590	3500	1	16.33	17.20	1.222	62.9	1.006	0.01	0.053	0.065
	LTE 42C	20M	QPSK	1	99	-	Left Side	5mm	Ant 4	ECI 7	42590+42788	3500+3519.8	1	16.29	17.20	1.233	62.9	1.006	-0.16	0.501	0.621
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	656000	3840	1	12.66	13.80	1.300	-	-	-0.01	0.112	0.146
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	656000	3840	1	12.62	13.80	1.312	-	-	0.15	0.121	0.159
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	656000	3840	1	12.66	13.80	1.300	-	-	0.08	0.303	0.394
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	656000	3840	1	12.62	13.80	1.312	-	-	0.07	0.285	0.374
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	656000	3840	1	12.66	13.80	1.300	-	-	0.04	0.474	0.616
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	656000	3840	1	12.62	13.80	1.312	-	-	-0.18	0.411	0.539
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	656000	3840	1	12.66	13.80	1.300	-	-	0.07	0.004	0.005
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	656000	3840	1	12.62	13.80	1.312	-	-	0.03	0.007	0.009



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FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	656000	3840	1	12.66	13.80	1.300	-	-	-0.07	0.054	0.070
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	656000	3840	1	12.62	13.80	1.312	-	-	-0.19	0.045	0.059
LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 7	ECI 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.07	0.123	0.159
LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 7	ECI 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	-0.18	0.121	0.158
LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 7	ECI 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	-0.02	0.257	0.332
LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 7	ECI 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	0.11	0.219	0.285
LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 7	ECI 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.05	0.015	0.019
LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 7	ECI 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	0.07	0.013	0.017
LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 7	ECI 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.12	0.042	0.054
LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 7	ECI 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	0.04	0.037	0.048
LTE Band 42	20M	QPSK	1	0	-	Top Side	5mm	Ant 7	ECI 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.12	0.486	0.628
LTE Band 42	20M	QPSK	50	0	-	Top Side	5mm	Ant 7	ECI 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	-0.08	0.415	0.540
LTE 42C	20M	QPSK	1	99	-	Top Side	5mm	Ant 7	ECI 7	42590+42788	3500+3519.8	1	14.15	15.30	1.303	62.9	1.006	-0.17	0.456	0.598
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	656000	3840	1	14.07	15.00	1.239	-	-	-0.04	0.177	0.219
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	656000	3840	1	14.03	15.00	1.250	-	-	0.06	0.187	0.234
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	656000	3840	1	14.07	15.00	1.239	-	-	-0.19	0.362	0.448
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	656000	3840	1	14.03	15.00	1.250	-	-	0.02	0.514	0.643
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	656000	3840	1	14.07	15.00	1.239	-	-	0.18	0.021	0.026
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	656000	3840	1	14.03	15.00	1.250	-	-	0.12	0.025	0.031
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	656000	3840	1	14.07	15.00	1.239	-	-	-0.03	0.016	0.020
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	656000	3840	1	14.03	15.00	1.250	-	-	-0.19	0.011	0.014
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	656000	3840	1	14.07	15.00	1.239	-	-	0.05	0.482	0.597
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	656000	3840	1	14.03	15.00	1.250	-	-	0.03	0.483	0.604
LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 8	ECI 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.04	0.202	0.270
LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 8	ECI 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	-0.06	0.185	0.260
LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 8	ECI 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.06	0.475	0.634
LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 8	ECI 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	0.13	0.434	0.611
LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 8	ECI 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.1	0.120	0.160
LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 8	ECI 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	-0.12	0.072	0.101
LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 8	ECI 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	-0.04	0.258	0.345
LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 8	ECI 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	0.02	0.242	0.341
LTE Band 42	20M	QPSK	1	0	-	Top Side	5mm	Ant 8	ECI 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.05	0.263	0.351
LTE Band 42	20M	QPSK	50	0	-	Top Side	5mm	Ant 8	ECI 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	0.02	0.246	0.346
LTE 42C	20M	QPSK	1	99	-	Back	5mm	Ant 8	ECI 7	42590+42788	3500+3519.8	1	16.18	17.80	1.452	62.9	1.006	0.05	0.401	0.586
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	ECI 7	656000	3840	1	17.52	18.50	1.253	-	-	-0.05	0.106	0.133
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECI 7	656000	3840	1	17.47	18.50	1.268	-	-	0.07	0.107	0.136
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	ECI 7	656000	3840	1	17.52	18.50	1.253	-	-	0.11	0.482	0.604
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECI 7	656000	3840	1	17.47	18.50	1.268	-	-	-0.03	0.493	0.625
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 8	ECI 7	656000	3840	1	17.52	18.50	1.253	-	-	0.05	0.020	0.025
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 8	ECI 7	656000	3840	1	17.47	18.50	1.268	-	-	0.13	0.018	0.023
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECI 7	656000	3840	1	17.52	18.50	1.253	-	-	-0.03	0.051	0.064
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECI 7	656000	3840	1	17.47	18.50	1.268	-	-	-0.12	0.075	0.095
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECI 7	656000	3840	1	17.52	18.50	1.253	-	-	-0.1	0.322	0.404
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECI 7	656000	3840	1	17.47	18.50	1.268	-	-	0.19	0.312	0.396



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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WiFi/BT																	
48	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	0.04	0.236	0.339
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	-0.02	0.495	0.711
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	0.09	0.025	0.036
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	-0.01	0.506	0.727
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+5(5)	Standalone	1	2412	2	16.45	18.00	1.429	99.48	1.005	0.05	0.502	0.721
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	-0.02	0.375	0.539
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.06	0.047	0.070
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.098	0.145
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.03	0.005	0.007
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	-0.04	0.100	0.148
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.074	0.109
	Bluetooth	1Mbps	Front	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.258	0.320
49	Bluetooth	1Mbps	Back	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.01	0.267	0.331
	Bluetooth	1Mbps	Left Side	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.09	0.033	0.041
	Bluetooth	1Mbps	Right Side	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.02	0.054	0.067
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.08	0.467	0.579
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Full power	39	2441	2	16.93	17.50	1.140	76.66	1.087	0.04	0.451	0.559
	Bluetooth	1Mbps	Front	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.03	0.036	0.052
	Bluetooth	1Mbps	Back	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.02	0.038	0.055
	Bluetooth	1Mbps	Left Side	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.01	0.005	0.007
	Bluetooth	1Mbps	Right Side	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.08	0.008	0.012
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.06	0.066	0.095
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.06	0.002	0.003
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	0.05	0.146	0.245
50	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	0.01	0.437	0.732
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)	Standalone	46	5230	2	15.27	17.00	1.488	88.81	1.126	0.06	0.405	0.679
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	-0.1	0.031	0.052
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	-0.02	0.145	0.243
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	-0.01	0.301	0.504
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.06	0.188	0.298
51	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.08	0.423	0.670
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)	Standalone	155	5775	2	15.80	17.50	1.480	93.35	1.071	0.04	0.381	0.604
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.02	0.052	0.082
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	-0.03	0.162	0.257
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.01	0.342	0.542
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.01	0.342	0.542



16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	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)
750MHz																						
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23095	707.5	1	23.16	24.00	1.213	-	-	0.02	0.262	0.318
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23095	707.5	1	22.13	23.00	1.222	-	-	0.03	0.193	0.236
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	1	23.16	24.00	1.213	-	-	-0.07	0.420	0.510
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	1	22.13	23.00	1.222	-	-	0.01	0.337	0.412
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	1	23.44	24.00	1.138	-	-	0.03	0.549	0.625
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	1	22.48	23.00	1.127	-	-	0.01	0.440	0.496
52	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	1	23.44	24.00	1.138	-	-	-0.01	0.947	1.077
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	2	23.44	24.00	1.138	-	-	0.06	0.898	1.022
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	1	22.48	23.00	1.127	-	-	0.02	0.743	0.838
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	1	22.41	23.00	1.146	-	-	0.06	0.744	0.852
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	23095	707.5	1	20.77	21.90	1.297	-	-	0.04	0.175	0.227
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	23095	707.5	1	20.74	21.90	1.306	-	-	0.06	0.140	0.183
53	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23095	707.5	1	20.77	21.90	1.297	-	-	-0.03	0.713	0.925
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	23095	707.5	1	20.74	21.90	1.306	-	-	0.01	0.655	0.856
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	23095	707.5	1	20.70	21.90	1.318	-	-	-0.02	0.664	0.875
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	23095	707.5	1	22.75	24.00	1.334	-	-	0.04	0.159	0.212
	LTE Band 12	10M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	23095	707.5	1	22.75	24.00	1.334	-	-	-0.03	0.124	0.165
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	23230	782	1	22.44	23.50	1.276	-	-	0.02	0.238	0.304
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	23230	782	1	21.91	23.00	1.285	-	-	0.01	0.188	0.242
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23230	782	1	22.44	23.50	1.276	-	-	0.06	0.673	0.859
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	23230	782	1	21.91	23.00	1.285	-	-	-0.02	0.666	0.856
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	23230	782	1	21.86	23.00	1.300	-	-	0.03	0.647	0.841
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	23230	782	1	22.88	24.00	1.294	-	-	0.02	0.169	0.219
	LTE Band 13	10M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	23230	782	1	22.88	24.00	1.294	-	-	0.06	0.183	0.237
835MHz																						
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	189	836.4	1	24.56	25.50	1.242	-	-	-0.02	0.550	0.683
54	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	189	836.4	1	24.56	25.50	1.242	-	-	-0.08	1.030	1.279
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	128	824.2	1	24.49	25.50	1.262	-	-	0.06	0.924	1.166
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	251	848.8	1	24.35	25.50	1.303	-	-	0.02	0.933	1.216
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	Headset	ECI 3	189	836.4	1	24.56	25.50	1.242	-	-	-0.08	0.925	1.149
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 0	-	ECI 4	189	836.4	1	28.80	29.50	1.175	-	-	-0.02	0.260	0.305
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	23mm	Ant 0	-	ECI 4	189	836.4	1	28.80	29.50	1.175	-	-	-0.08	0.158	0.186
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	4182	836.4	1	23.45	24.00	1.135	-	-	0.01	0.604	0.686
55	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4182	836.4	1	23.45	24.00	1.135	-	-	-0.05	1.010	1.146
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4132	826.4	1	23.39	24.00	1.151	-	-	-0.03	0.984	1.132
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4233	846.6	1	23.23	24.00	1.194	-	-	0.01	0.932	1.113
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	1	23.05	24.00	1.245	-	-	0.01	0.527	0.656
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	1	22.09	23.00	1.233	-	-	0.03	0.413	0.509
56	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	1	23.05	24.00	1.245	-	-	0.01	1.030	1.282
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	2	23.05	24.00	1.245	-	-	0.01	0.938	1.167
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	1	22.09	23.00	1.233	-	-	0.02	0.796	0.982
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	1	22.04	23.00	1.247	-	-	0.03	0.808	1.008
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	26865	831.5	1	23.05	24.00	1.245	-	-	0.04	0.811	1.009
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0		ECI 3	167300	836.5	1	23.08	24.00	1.236	-	-	0.01	0.541	0.669
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Front	5mm	Ant 0		ECI 3	167300	836.5	1	23.03	24.00	1.250	-	-	-0.05	0.570	0.713
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0		ECI 3	167300	836.5	1	23.08	24.00	1.236	-	-	-0.03	0.836	1.033
57	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Back	5mm	Ant 0		ECI 3	167300	836.5	1	23.03	24.00	1.250	-	-	0.03	0.905	1.131
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Back	5mm	Ant 0		ECI 3	167300	836.5	1	21.96	23.00	1.271	-	-	0.09	0.738	0.938
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	4182	836.4	1	23.44	24.00	1.138	-	-	0.01	0.250	0.284
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	4182	836.4	1	23.44	24.00	1.138	-	-	-0.11	0.686	0.780



FCC SAR Test Report

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	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	26865	831.5	1	22.71	24.00	1.346	-	-	0.02	0.185	0.249
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 1	-	ECI 3	26865	831.5	1	21.54	23.00	1.400	-	-	-0.03	0.142	0.199
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26865	831.5	1	22.71	24.00	1.346	-	-	0.09	0.685	0.922
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 1	-	ECI 3	26865	831.5	1	21.54	23.00	1.400	-	-	0.02	0.538	0.753
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 1	-	ECI 3	26865	831.5	1	21.51	23.00	1.409	-	-	0.01	0.526	0.741
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1		ECI 3	167300	836.5	1	22.73	24.00	1.340	-	-	0.02	0.413	0.553
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Front	5mm	Ant 1		ECI 3	167300	836.5	1	22.62	24.00	1.374	-	-	0.09	0.408	0.561
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1		ECI 3	167300	836.5	1	22.73	24.00	1.340	-	-	0.03	0.731	0.979
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1		ECI 3	167300	836.5	2	22.73	24.00	1.340	-	-	0.09	0.713	0.955
	FR1 n5	25M	QPSK	64	33	DFT-SCS-15KHz	Back	5mm	Ant 1		ECI 3	167300	836.5	1	22.62	24.00	1.374	-	-	0.11	0.707	0.971
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Back	5mm	Ant 1		ECI 3	167300	836.5	1	21.72	23.00	1.343	-	-	0.08	0.541	0.726
1750MHz																						
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1413	1732.6	1	18.77	19.90	1.297	-	-	0.02	0.749	0.972
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1312	1712.4	1	18.73	19.90	1.309	-	-	0.09	0.787	1.030
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1513	1752.6	1	18.66	19.90	1.330	-	-	0.01	0.748	0.995
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1413	1732.6	1	18.77	19.90	1.297	-	-	0.03	0.957	1.241
58	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1312	1712.4	1	18.73	19.90	1.309	-	-	-0.01	0.976	1.278
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1513	1752.6	1	18.66	19.90	1.330	-	-	0.09	0.956	1.272
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	ECI 3	1312	1712.4	1	18.73	19.90	1.309	-	-	0.05	0.859	1.125
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0		ECI 4	1312	1712.4	1	23.29	24.00	1.178	-	-	0.09	0.517	0.609
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 0		ECI 4	1312	1712.4	1	23.29	24.00	1.178	-	-	-0.01	0.385	0.453
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	1	19.08	20.10	1.265	-	-	0.02	0.867	1.097
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132072	1720	1	18.93	20.10	1.309	-	-	0.06	0.826	1.081
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132572	1770	1	18.95	20.10	1.303	-	-	0.02	0.867	1.130
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	1	18.96	20.10	1.300	-	-	0.06	0.790	1.027
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132072	1720	1	18.78	20.10	1.355	-	-	0.09	0.797	1.080
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132572	1770	1	18.91	20.10	1.315	-	-	0.02	0.792	1.042
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	1	18.88	20.10	1.324	-	-	0.01	0.787	1.042
59	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	1	19.08	20.10	1.265	-	-	0.09	1.020	1.290
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	2	19.08	20.10	1.265	-	-	0.03	0.990	1.252
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132072	1720	1	18.93	20.10	1.309	-	-	0.09	0.966	1.265
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132572	1770	1	18.95	20.10	1.303	-	-	0.01	0.958	1.248
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	1	18.96	20.10	1.300	-	-	0.06	0.924	1.201
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132072	1720	1	18.78	20.10	1.355	-	-	0.01	0.938	1.271
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132572	1770	1	18.91	20.10	1.315	-	-	0.02	0.905	1.190
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	1	18.88	20.10	1.324	-	-	0.09	0.910	1.205
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	132322	1745	1	19.08	20.10	1.265	-	-	0.03	0.721	0.912
	LTE 66C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	132322+132520	1745+1764.8	1	18.66	20.10	1.393	-	-	0.08	0.854	1.190
	LTE 66B	15M	QPSK	1	74	-	Back	5mm	Ant 0	-	ECI 3	132322+132415	1745+1754.3	1	18.79	20.10	1.352	-	-	0.02	0.863	1.167
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	132572	1770	1	22.84	24.00	1.306	-	-	0.02	0.555	0.725
	LTE Band 66	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	132322	1745	1	23.01	24.00	1.256	-	-	0.09	0.301	0.378
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	1	18.89	20.10	1.321	-	-	0.01	0.938	1.239
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	1	18.66	19.70	1.271	-	-	0.03	0.792	1.006
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	1	18.61	19.70	1.285	-	-	0.09	0.847	1.089
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	1	18.51	19.70	1.315	-	-	0.03	0.773	1.017
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	1	18.66	19.70	1.271	-	-	0.01	0.967	1.229
60	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	1	18.61	19.70	1.285	-	-	-0.01	0.993	1.276
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	1	18.51	19.70	1.315	-	-	0.03	0.947	1.246
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	349000	1745	1	18.61	19.70	1.285	-	-	0.08	0.913	1.173
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 0	-	ECI 4	349000	1745	1	23.23	24.00	1.194	-	-	0.09	0.529	0.632
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	23mm	Ant 0	-	ECI 4	349000	1745	1	23.23	24.00	1.194	-	-	-0.01	0.292	0.349
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	1413	1732.6	1	17.15	17.90	1.189	-	-	0.09	0.305	0.362
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	1413	1732.6	1	17.15	17.90	1.189	-	-	0.12	0.777	0.923
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	1312	1712.4	1	17.12	17.90	1.197	-	-	0.06	0.719	0.860
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	1513	1752.6	1	17.04	17.90	1.219	-	-	0.01	0.724	0.883
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	-	ECI 4	1413	1732.6	1	24.12	25.00	1.225	-	-	0.09	0.373	0.457



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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 1	-	ECI 4	1413	1732.6	1	24.12	25.00	1.225	-	-	0.12	0.351	0.430
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	132322	1745	1	15.93	17.00	1.279	-	-	0.01	0.356	0.455
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	132322	1745	1	15.90	17.00	1.288	-	-	0.03	0.291	0.375
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	1	15.93	17.00	1.279	-	-	-0.09	0.726	0.929
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	2	15.93	17.00	1.279	-	-	0.03	0.665	0.851
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132072	1720	1	15.81	17.00	1.315	-	-	0.09	0.700	0.921
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132572	1770	1	15.89	17.00	1.291	-	-	0.01	0.680	0.878
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	1	15.90	17.00	1.288	-	-	0.03	0.698	0.899
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	132072	1720	1	15.78	17.00	1.324	-	-	0.01	0.684	0.906
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	132572	1770	1	15.80	17.00	1.318	-	-	0.02	0.697	0.919
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	1	15.84	17.00	1.306	-	-	0.09	0.683	0.892
	LTE 66C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	132322+132520	1745+1764.8	1	15.49	17.00	1.416	-	-	0.03	0.636	0.900
	LTE 66B	15M	QPSK	1	74	-	Back	5mm	Ant 1	-	ECI 3	132322+132415	1745+1754.3	1	15.58	17.00	1.387	-	-	0.04	0.648	0.899
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	132322	1745	1	22.93	24.00	1.279	-	-	0.01	0.340	0.435
	LTE Band 66	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	132322	1745	1	22.93	24.00	1.279	-	-	-0.09	0.311	0.398
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	1	15.92	17.00	1.282	-	-	0.05	0.519	0.666
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	349000	1745	1	15.49	16.40	1.233	-	-	0.01	0.319	0.393
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	349000	1745	1	15.41	16.40	1.256	-	-	0.03	0.352	0.442
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	349000	1745	1	15.49	16.40	1.233	-	-	0.03	0.717	0.884
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	349000	1745	1	15.41	16.40	1.256	-	-	-0.16	0.736	0.924
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	349000	1745	1	15.36	16.40	1.271	-	-	0.01	0.684	0.869
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	349000	1745	1	23.13	24.00	1.222	-	-	0.03	0.323	0.395
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	23mm	Ant 1	-	ECI 4	349000	1745	1	23.13	24.00	1.222	-	-	-0.16	0.336	0.411
1900MHz																						
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	661	1880	1	21.48	23.00	1.419	-	-	0.16	0.723	1.026
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	512	1850.2	1	21.35	23.00	1.462	-	-	-0.16	0.678	0.991
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	810	1909.8	1	21.44	23.00	1.432	-	-	0.07	0.655	0.938
61	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	661	1880	1	21.48	23.00	1.419	-	-	-0.09	0.906	1.286
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	512	1850.2	1	21.35	23.00	1.462	-	-	-0.04	0.809	1.183
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	810	1909.8	1	21.44	23.00	1.432	-	-	0.04	0.873	1.250
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	Headset	ECI 3	661	1880	1	21.48	23.00	1.419	-	-	-0.08	0.868	1.232
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 0	-	ECI 4	661	1880	1	25.89	26.50	1.151	-	-	0.16	0.251	0.289
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	23mm	Ant 0	-	ECI 4	661	1880	1	25.89	26.50	1.151	-	-	-0.09	0.236	0.272
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9400	1880	1	18.19	19.30	1.291	-	-	0.05	0.796	1.028
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9262	1852.4	1	18.16	19.30	1.300	-	-	0.16	0.738	0.960
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9538	1907.6	1	17.98	19.30	1.355	-	-	0.08	0.710	0.962
62	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9400	1880	1	18.19	19.30	1.291	-	-	-0.08	0.994	1.283
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9262	1852.4	1	18.16	19.30	1.300	-	-	0.08	0.889	1.156
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9538	1907.6	1	17.98	19.30	1.355	-	-	-0.1	0.898	1.217
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	ECI 3	9400	1880	1	18.19	19.30	1.291	-	-	0.18	0.681	0.879
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	-	ECI 4	9400	1880	1	23.23	24.00	1.194	-	-	0.05	0.263	0.314
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 0	-	ECI 4	9400	1880	1	23.23	24.00	1.194	-	-	-0.08	0.298	0.356
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	18900	1880	1	18.44	19.80	1.368	-	-	0.05	0.694	0.949
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	18700	1860	1	18.31	19.80	1.409	-	-	-0.05	0.711	1.002
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	19100	1900	1	18.39	19.80	1.384	-	-	-0.04	0.746	1.032
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	18900	1880	1	18.40	19.80	1.380	-	-	0.15	0.653	0.901
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	18700	1860	1	18.27	19.80	1.422	-	-	0.01	0.668	0.950
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	19100	1900	1	18.30	19.80	1.413	-	-	-0.14	0.688	0.972
	LTE Band 2	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	18900	1880	1	18.36	19.80	1.393	-	-	0.15	0.655	0.913
63	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	18900	1880	1	18.44	19.80	1.368	-	-	-0.05	0.928	1.269
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	18700	1860	1	18.31	19.80	1.409	-	-	-0.19	0.875	1.233
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	19100	1900	1	18.39	19.80	1.384	-	-	-0.07	0.861	1.191
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	18900	1880	1	18.40	19.80	1.380	-	-	-0.06	0.776	1.071
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	18700	1860	1	18.27	19.80	1.422	-	-	0.04	0.703	1.000
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	19100	1900	1	18.30	19.80	1.413	-	-	-0.17	0.741	1.047
	LTE Band 2	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	18900	1880	1	18.36	19.80	1.393	-	-	0.05	0.779	1.085



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	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	18900	1880	1	18.44	19.80	1.368	-	-	0.16	0.783	1.071
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	19100	1900	1	22.47	24.00	1.422	-	-	-0.04	0.207	0.294
	LTE Band 2	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	18900	1880	1	22.56	24.00	1.393	-	-	-0.05	0.222	0.309
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376000	1880	1	20.77	21.80	1.268	-	-	-0.14	0.799	1.013
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376000	1880	1	20.75	21.80	1.274	-	-	0.04	0.834	1.062
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376000	1880	1	20.63	21.80	1.309	-	-	0.13	0.740	0.969
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376000	1880	1	20.77	21.80	1.268	-	-	0.01	0.987	1.251
64	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376000	1880	1	20.75	21.80	1.274	-	-	0.02	1.010	1.286
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376000	1880	1	20.63	21.80	1.309	-	-	0.08	0.966	1.265
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	376000	1880	1	20.75	21.80	1.274	-	-	0.03	0.951	1.211
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 0	-	ECI 4	376000	1880	1	22.57	23.50	1.239	-	-	0.04	0.224	0.277
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	23mm	Ant 0	-	ECI 4	376000	1880	1	22.57	23.50	1.239	-	-	0.02	0.220	0.273
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	9400	1880	1	15.12	16.40	1.343	-	-	0.07	0.296	0.397
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9400	1880	1	15.12	16.40	1.343	-	-	-0.01	0.690	0.927
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9262	1852.4	1	15.07	16.40	1.358	-	-	0.18	0.671	0.911
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9538	1907.6	1	15.04	16.40	1.368	-	-	0.16	0.661	0.904
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	-	ECI 4	9400	1880	1	23.68	24.50	1.208	-	-	0.07	0.164	0.198
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 1	-	ECI 4	9400	1880	1	23.68	24.50	1.208	-	-	-0.01	0.188	0.227
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	18900	1880	1	16.04	17.40	1.368	-	-	0.01	0.301	0.412
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	18900	1880	1	15.94	17.40	1.400	-	-	0.04	0.242	0.339
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	1	16.04	17.40	1.368	-	-	0.06	0.681	0.931
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	2	16.04	17.40	1.368	-	-	0.01	0.540	0.739
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	18700	1860	1	15.98	17.40	1.387	-	-	-0.16	0.651	0.903
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	19100	1900	1	16.02	17.40	1.374	-	-	-0.02	0.627	0.862
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	1	15.94	17.40	1.400	-	-	0.05	0.629	0.880
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	18700	1860	1	15.79	17.40	1.449	-	-	-0.06	0.621	0.900
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	19100	1900	1	15.90	17.40	1.413	-	-	0.04	0.593	0.838
	LTE Band 2	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	1	15.92	17.40	1.406	-	-	-0.12	0.589	0.828
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	18900	1880	1	21.89	23.00	1.291	-	-	0.01	0.192	0.248
	LTE Band 2	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	18900	1880	1	21.89	23.00	1.291	-	-	0.06	0.158	0.204
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	17.19	18.30	1.291	-	-	-0.03	0.304	0.393
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	17.11	18.30	1.315	-	-	0.03	0.329	0.433
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	17.19	18.30	1.291	-	-	-0.19	0.651	0.841
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	17.11	18.30	1.315	-	-	-0.04	0.703	0.925
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	17.16	18.30	1.300	-	-	0.01	0.688	0.895
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	376000	1880	1	21.60	23.00	1.380	-	-	0.03	0.186	0.257
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	23mm	Ant 1	-	ECI 4	376000	1880	1	21.60	23.00	1.380	-	-	-0.04	0.145	0.200
2600MHz																						
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	1	18.41	19.90	1.409	-	-	-0.05	0.555	0.782
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	1	18.38	19.90	1.419	-	-	0.02	0.451	0.640
65	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.41	19.90	1.409	-	-	-0.05	0.915	1.289
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	20850	2510	1	18.27	19.90	1.455	-	-	0.03	0.872	1.269
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21350	2560	1	18.36	19.90	1.426	-	-	0.04	0.826	1.178
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.38	19.90	1.419	-	-	0.08	0.839	1.191
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	20850	2510	1	18.12	19.90	1.507	-	-	0.08	0.826	1.244
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	21350	2560	1	18.31	19.90	1.442	-	-	0.04	0.876	1.263
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.22	19.90	1.472	-	-	0.08	0.795	1.170
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	21100	2535	1	18.41	19.90	1.409	-	-	0.02	0.735	1.036
	LTE 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	21100+21298	2535+2554.8	1	18.38	19.90	1.419	-	-	0.06	0.888	1.260
	LTE 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	20850+21048	2510+2529.8	1	18.13	19.90	1.503	-	-	0.02	0.816	1.227
	LTE 7C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21350+21152	2560+2540.2	1	18.36	19.90	1.426	-	-	0.03	0.872	1.243
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	21100	2535	1	23.18	24.00	1.208	-	-	-0.05	0.289	0.349
	LTE Band 7	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	21100	2535	1	23.18	24.00	1.208	-	-	-0.05	0.257	0.310
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.69	19.90	1.321	-	-	0.07	0.900	1.189
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	38000	2595	1	20.17	21.40	1.327	62.9	1.006	0.04	0.590	0.788
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	38000	2595	1	20.16	21.40	1.330	62.9	1.006	-0.11	0.561	0.751



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66	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	20.17	21.40	1.327	62.9	1.006	-0.01	0.969	1.294
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	37850	2580	1	20.03	21.40	1.371	62.9	1.006	-0.12	0.928	1.280
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38150	2610	1	20.06	21.40	1.361	62.9	1.006	0.1	0.914	1.252
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	20.16	21.40	1.330	62.9	1.006	-0.18	0.852	1.140
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	37850	2580	1	20.02	21.40	1.374	62.9	1.006	0.03	0.812	1.122
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	38150	2610	1	19.93	21.40	1.403	62.9	1.006	-0.1	0.841	1.187
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	20.13	21.40	1.340	62.9	1.006	-0.14	0.789	1.063
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	38000	2595	1	20.17	21.40	1.327	62.9	1.006	0.05	0.844	1.127
	LTE 38C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	37901+38099	2585.1+2604.9	1	19.72	21.40	1.472	62.9	1.006	-0.01	0.856	1.268
	LTE 38C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	37850+38048	2580+2599.8	1	19.63	21.40	1.503	62.9	1.006	0.05	0.823	1.245
	LTE 38C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38150+37952	2610+2590.2	1	19.78	21.40	1.452	62.9	1.006	0.03	0.849	1.240
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.04	0.256	0.311
	LTE Band 38	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	38000	2595	1	23.18	24.00	1.208	62.9	1.006	-0.01	0.262	0.318
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	17.68	18.50	1.208	100	1.000	0.03	0.793	0.958
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	1	22.03	23.10	1.279	62.9	1.006	-0.08	0.625	0.804
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	39750	2506	1	21.69	23.10	1.384	62.9	1.006	0.02	0.605	0.842
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.79	23.10	1.352	62.9	1.006	0.07	0.588	0.800
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.71	23.10	1.377	62.9	1.006	0.05	0.539	0.747
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	41490	2680	1	21.93	23.10	1.309	62.9	1.006	0.04	0.578	0.761
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	1	21.43	23.00	1.435	62.9	1.006	0.17	0.559	0.807
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	39750	2506	1	21.31	23.00	1.476	62.9	1.006	0.06	0.509	0.756
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.26	23.00	1.493	62.9	1.006	0.02	0.555	0.833
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.23	23.00	1.503	62.9	1.006	0.01	0.526	0.795
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	41490	2680	1	21.40	23.00	1.445	62.9	1.006	0.07	0.496	0.721
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	41490	2680	1	21.40	23.00	1.445	62.9	1.006	0.07	0.496	0.721
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	1	21.38	23.00	1.452	62.9	1.006	0.01	0.497	0.726
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	22.03	23.10	1.279	62.9	1.006	-0.04	0.948	1.220
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	39750	2506	1	21.69	23.10	1.384	62.9	1.006	0.02	0.825	1.148
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.79	23.10	1.352	62.9	1.006	0.04	0.802	1.091
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.71	23.10	1.377	62.9	1.006	0.02	0.831	1.151
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	41490	2680	1	21.93	23.10	1.309	62.9	1.006	0.13	0.888	1.170
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	21.43	23.00	1.435	62.9	1.006	-0.02	0.833	1.203
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	39750	2506	1	21.31	23.00	1.476	62.9	1.006	-0.1	0.814	1.208
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.26	23.00	1.493	62.9	1.006	0.14	0.802	1.204
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.23	23.00	1.503	62.9	1.006	-0.11	0.771	1.166
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	41490	2680	1	21.40	23.00	1.445	62.9	1.006	-0.13	0.750	1.091
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	21.38	23.00	1.452	62.9	1.006	0.1	0.739	1.080
67	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	23.55	24.70	1.303	42.9	1.009	-0.08	0.981	1.290
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	40620	2593	1	22.03	23.10	1.279	62.9	1.006	0.08	0.824	1.061
	LTE 41C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	40620+40818	2593+2612.8	1	21.67	23.10	1.390	62.9	1.006	-0.04	0.844	1.180
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	39750	2506	1	22.36	24.00	1.459	62.9	1.006	0.02	0.211	0.310
	LTE Band 41	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	40620	2593	1	22.62	24.00	1.374	62.9	1.006	-0.04	0.275	0.380
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	19.09	20.00	1.233	100	1.000	0.05	0.883	1.089
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	1	16.88	18.00	1.294	-	-	0.16	0.523	0.677
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	1	16.76	18.00	1.330	-	-	0.16	0.512	0.681
68	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.88	18.00	1.294	-	-	-0.03	0.997	1.290
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.76	18.00	1.330	-	-	-0.05	0.934	1.243
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.81	18.00	1.315	-	-	0.02	0.886	1.165
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	507000	2535	1	16.88	18.00	1.294	-	-	0.16	0.901	1.166
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 0	-	ECI 4	507000	2535	1	23.01	24.00	1.256	-	-	0.16	0.253	0.318
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	23mm	Ant 0	-	ECI 4	507000	2535	1	23.02	24.00	1.253	-	-	-0.03	0.231	0.289
	FR1 n7_Other PA	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.68	18.00	1.355	-	-	0.05	0.931	1.262
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	519000	2595	1	17.61	18.90	1.346	-	-	0.1	0.634	0.853
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	519000	2595	1	17.47	18.90	1.390	-	-	-0.09	0.590	0.820
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	519000	2595	1	17.45	18.90	1.396	-	-	0.18	0.577	0.806
69	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	519000	2595	1	17.61	18.90	1.346	-	-	-0.08	0.942	1.268
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	519000	2595	1	17.47	18.90	1.390	-	-	0.01	0.884	1.229



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	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	519000	2595	1	17.45	18.90	1.396	-	-	-0.14	0.859	1.199
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	Headset	ECI 3	519000	2595	1	17.61	18.90	1.346	-	-	0.07	0.918	1.235
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 0	-	ECI 4	519000	2595	1	23.37	24.00	1.156	-	-	0.1	0.232	0.268
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	23mm	Ant 0	-	ECI 4	519000	2595	1	23.37	24.00	1.156	-	-	-0.08	0.207	0.239
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	1	19.05	20.10	1.274	-	-	-0.02	0.585	0.745
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	1	18.89	20.10	1.321	-	-	0.03	0.509	0.673
70	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	1	19.05	20.10	1.274	-	-	-0.09	1.010	1.286
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	1	18.89	20.10	1.321	-	-	0.03	0.899	1.188
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	1	18.99	20.10	1.291	-	-	-0.13	0.881	1.138
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	Headset	ECI 3	518598	2592.99	1	19.05	20.10	1.274	-	-	0.05	0.901	1.147
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 0	-	ECI 4	518598	2592.99	1	23.25	24.00	1.189	-	-	-0.02	0.248	0.295
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	23mm	Ant 0	-	ECI 4	518598	2592.99	1	23.25	24.00	1.189	-	-	-0.09	0.164	0.195
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	1	18.13	19.20	1.279	-	-	0.04	0.429	0.549
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	1	18.10	19.20	1.288	-	-	-0.17	0.351	0.452
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	1	18.13	19.20	1.279	-	-	0.06	0.677	0.866
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	1	18.05	19.20	1.303	-	-	-0.02	0.713	0.929
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	1	18.09	19.20	1.291	-	-	0.18	0.682	0.881
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	1	18.10	19.20	1.288	-	-	0.01	0.649	0.836
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	1	17.99	19.20	1.321	-	-	0.03	0.665	0.879
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	1	17.95	19.20	1.334	-	-	0.05	0.641	0.855
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	1	18.08	19.20	1.294	-	-	0.18	0.654	0.846
	LTE 7C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	20850+21048	2510+2529.8	1	17.48	19.20	1.486	-	-	-0.02	0.598	0.889
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	21100	2535	1	22.74	24.00	1.337	-	-	0.04	0.126	0.168
	LTE Band 7	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	20850	2510	1	22.59	24.00	1.384	-	-	-0.02	0.129	0.178
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	1	17.57	19.20	1.455	-	-	0.09	0.611	0.889
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	38000	2595	1	20.03	21.00	1.250	62.9	1.006	0.11	0.395	0.497
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	38000	2595	1	19.96	21.00	1.271	62.9	1.006	0.03	0.311	0.398
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	38000	2595	1	20.03	21.00	1.250	62.9	1.006	-0.07	0.738	0.928
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	37850	2580	1	19.95	21.00	1.274	62.9	1.006	0.04	0.689	0.883
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	38150	2610	1	19.97	21.00	1.268	62.9	1.006	0.01	0.684	0.872
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	38000	2595	1	19.96	21.00	1.271	62.9	1.006	0.06	0.690	0.882
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	37850	2580	1	19.93	21.00	1.279	62.9	1.006	-0.15	0.681	0.876
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	38150	2610	1	19.83	21.00	1.309	62.9	1.006	0.02	0.687	0.905
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	38000	2595	1	19.94	21.00	1.276	62.9	1.006	0.12	0.634	0.814
	LTE 38C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	37901+38099	2585.1+2604.9	1	19.50	21.00	1.413	62.9	1.006	-0.07	0.623	0.885
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	38000	2595	1	22.78	24.00	1.324	62.9	1.006	0.11	0.100	0.133
	LTE Band 38	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	38000	2595	1	22.78	24.00	1.324	62.9	1.006	-0.07	0.055	0.073
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	38000	2595	1	17.72	19.00	1.343	100	1.000	0.05	0.659	0.885
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	20.61	21.60	1.256	62.9	1.006	0.14	0.334	0.422
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	20.59	21.60	1.262	62.9	1.006	0.08	0.264	0.335
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	20.61	21.60	1.256	62.9	1.006	0.03	0.721	0.911
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	39750	2506	1	20.59	21.60	1.262	62.9	1.006	0.18	0.651	0.826
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40185	2549.5	1	20.38	21.60	1.324	62.9	1.006	0.01	0.671	0.894
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41055	2636.5	1	20.59	21.60	1.262	62.9	1.006	0.03	0.631	0.801
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	1	20.43	21.60	1.309	62.9	1.006	0.03	0.671	0.884
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	20.59	21.60	1.262	62.9	1.006	0.16	0.681	0.864
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	39750	2506	1	20.49	21.60	1.291	62.9	1.006	0.18	0.673	0.874
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	40185	2549.5	1	20.21	21.60	1.377	62.9	1.006	0.01	0.651	0.902
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	41055	2636.5	1	20.49	21.60	1.291	62.9	1.006	0.18	0.599	0.778
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	1	20.38	21.60	1.324	62.9	1.006	0.01	0.635	0.846
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	1	20.33	21.60	1.340	62.9	1.006	0.03	0.645	0.869
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	22.26	23.20	1.242	42.9	1.009	-0.06	0.731	0.916
	LTE 41C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	40620+40818	2593+2612.8	1	20.45	21.60	1.303	62.9	1.006	0.03	0.666	0.873
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	40620	2593	1	21.86	23.00	1.300	62.9	1.006	0.14	0.106	0.139
	LTE Band 41	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	40620	2593	1	21.86	23.00	1.300	62.9	1.006	0.03	0.123	0.161
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	18.46	19.60	1.300	100	1.000	0.05	0.657	0.854



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	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	1	17.47	18.60	1.297	-	-	-0.05	0.365	0.473
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	1	17.41	18.60	1.315	-	-	0.09	0.398	0.523
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	17.47	18.60	1.297	-	-	0.15	0.642	0.833
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	17.41	18.60	1.315	-	-	0.04	0.708	0.931
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	17.34	18.60	1.337	-	-	-0.03	0.688	0.920
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	507000	2535	1	23.14	24.00	1.219	-	-	0.09	0.162	0.197
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	23mm	Ant 1	-	ECI 4	507000	2535	1	23.14	24.00	1.219	-	-	0.04	0.116	0.141
	FR1 n7_Other PA	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	17.55	18.60	1.274	-	-	0.05	0.653	0.832
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	519000	2595	1	18.22	19.60	1.374	-	-	0.05	0.306	0.420
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	519000	2595	1	18.09	19.60	1.416	-	-	-0.04	0.326	0.462
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	519000	2595	1	18.22	19.60	1.374	-	-	-0.05	0.668	0.918
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	519000	2595	1	18.09	19.60	1.416	-	-	-0.12	0.610	0.864
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	519000	2595	1	18.05	19.60	1.429	-	-	-0.04	0.616	0.880
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	15mm	Ant 1	-	ECI 4	519000	2595	1	23.19	24.00	1.205	-	-	-0.04	0.128	0.154
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	23mm	Ant 1	-	ECI 4	519000	2595	1	23.57	24.00	1.104	-	-	-0.05	0.095	0.105
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	1	18.12	19.10	1.253	-	-	-0.11	0.401	0.503
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	1	18.08	19.10	1.265	-	-	-0.14	0.353	0.446
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	1	18.12	19.10	1.253	-	-	0.05	0.650	0.815
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	1	18.08	19.10	1.265	-	-	-0.16	0.722	0.913
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	1	18.02	19.10	1.282	-	-	0.03	0.673	0.863
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 1	-	ECI 4	518598	2592.99	1	22.73	24.00	1.340	-	-	-0.11	0.119	0.159
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	23mm	Ant 1	-	ECI 4	518598	2592.99	1	22.55	24.00	1.396	-	-	-0.16	0.064	0.089
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	519000	2595	1	23.12	24.00	1.225	-	-	0.07	0.430	0.527
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	519000	2595	1	22.54	24.00	1.400	-	-	0.03	0.386	0.540
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	519000	2595	1	23.12	24.00	1.225	-	-	0.07	0.722	0.884
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	519000	2595	1	22.54	24.00	1.400	-	-	-0.05	0.622	0.871
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	519000	2595	1	21.59	23.00	1.384	-	-	-0.05	0.488	0.675
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	519000	2595	1	19.21	20.50	1.346	-	-	-0.04	0.544	0.732
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	519000	2595	1	19.17	20.50	1.358	-	-	-0.04	0.453	0.615
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	519000	2595	1	19.21	20.50	1.346	-	-	-0.05	0.692	0.931
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	519000	2595	1	19.17	20.50	1.358	-	-	-0.14	0.657	0.892
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	519000	2595	1	19.03	20.50	1.403	-	-	0.03	0.611	0.857
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	-	ECI 3	519000	2595	1	22.79	24.00	1.321	-	-	0.06	0.145	0.192
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	23mm	Ant 6	-	ECI 3	519000	2595	1	22.79	24.00	1.321	-	-	0.11	0.101	0.133
3500-3900MHz																						
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.02	0.375	0.526
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.12	0.293	0.407
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.02	0.422	0.591
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	42590	3500	1	21.60	23.00	1.380	62.9	1.006	-0.02	0.306	0.425
	LTE 42C	20M	QPSK	1	99	-	Back	5mm	Ant 2	-	ECI 3	42590+42788	3500+3519.8	1	22.22	24.00	1.507	62.9	1.006	0.06	0.386	0.585
71	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	1	22.93	24.00	1.279	-	-	-0.01	0.877	1.122
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	1	22.87	24.00	1.297	-	-	0.17	0.811	1.052
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	1	22.91	24.00	1.285	-	-	0.02	0.647	0.832
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	1	22.93	24.00	1.279	-	-	0.02	0.836	1.070
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	1	22.87	24.00	1.297	-	-	-0.05	0.846	1.097
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	1	22.91	24.00	1.285	-	-	0.08	0.744	0.956
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	42590	3500	1	18.36	19.40	1.271	62.9	1.006	0.04	0.242	0.309
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	42590	3500	1	18.28	19.40	1.294	62.9	1.006	-0.15	0.225	0.293
72	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	42590	3500	1	18.36	19.40	1.271	62.9	1.006	-0.02	0.734	0.938
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	42590	3500	2	18.36	19.40	1.271	62.9	1.006	0.03	0.699	0.893
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	42190	3460	1	18.28	19.40	1.294	62.9	1.006	0.17	0.642	0.836
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	42990	3540	1	18.33	19.40	1.279	62.9	1.006	-0.08	0.694	0.893
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	42590	3500	1	18.28	19.40	1.294	62.9	1.006	0.06	0.670	0.872
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	42190	3460	1	18.09	19.40	1.352	62.9	1.006	0.14	0.677	0.921
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	42990	3540	1	18.14	19.40	1.337	62.9	1.006	0.09	0.613	0.824
	LTE Band 42	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	42590	3500	1	18.20	19.40	1.318	62.9	1.006	0.03	0.668	0.886



FCC SAR Test Report

Report No. : FA361225

	LTE 42C	20M	QPSK	1	99	-	Back	5mm	Ant 4	-	ECI 3	42590+42788	3500+3519.8	1	17.89	19.40	1.416	62.9	1.006	-0.02	0.623	0.887
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	-0.15	0.096	0.116
	LTE Band 42	20M	QPSK	1	0	-	Back	23mm	Ant 4	-	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	-0.02	0.131	0.158
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	656000	3840	1	17.35	18.40	1.274	-	1.000	0.04	0.288	0.367
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	656000	3840	1	17.28	18.40	1.294	-	-	0.16	0.267	0.346
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	1	17.35	18.40	1.274	-	-	-0.03	0.724	0.922
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	1	17.28	18.40	1.294	-	-	-0.11	0.681	0.881
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	1	17.30	18.40	1.288	-	-	0.09	0.710	0.915
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	ECI 4	656000	3840	1	26.31	27.00	1.172	-	-	0.02	0.288	0.338
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	23mm	Ant 4	-	ECI 4	656000	3840	1	26.31	27.00	1.172	-	-	0.04	0.756	0.886
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 7	-	ECI 3	42590	3500	1	18.79	19.80	1.262	62.9	1.006	0.04	0.349	0.443
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 7	-	ECI 3	42590	3500	1	18.74	19.80	1.276	62.9	1.006	-0.17	0.342	0.439
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	42590	3500	1	18.79	19.80	1.262	62.9	1.006	0.01	0.728	0.924
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	42190	3460	1	18.63	19.80	1.309	62.9	1.006	-0.04	0.695	0.915
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	42990	3540	1	18.67	19.80	1.297	62.9	1.006	0.01	0.674	0.880
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	42590	3500	1	18.74	19.80	1.276	62.9	1.006	0.03	0.699	0.898
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	42190	3460	1	18.51	19.80	1.346	62.9	1.006	0.07	0.657	0.890
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	42990	3540	1	18.54	19.80	1.337	62.9	1.006	0.02	0.659	0.886
	LTE Band 42	20M	QPSK	100	0	-	Back	5mm	Ant 7	-	ECI 3	42590	3500	1	18.61	19.80	1.315	62.9	1.006	0.08	0.665	0.880
	LTE 42C	20M	QPSK	1	99	-	Back	5mm	Ant 7	-	ECI 3	42590+42788	3500+3519.8	1	18.19	19.80	1.449	62.9	1.006	0.01	0.589	0.858
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 7	-	ECI 4	42590	3500	1	23.28	24.00	1.180	62.9	1.006	0.04	0.321	0.381
	LTE Band 42	20M	QPSK	1	0	-	Back	23mm	Ant 7	-	ECI 4	42590	3500	1	23.28	24.00	1.180	62.9	1.006	-0.17	0.699	0.830
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	656000	3840	1	15.45	16.50	1.274	-	-	0.04	0.248	0.316
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	656000	3840	1	15.41	16.50	1.285	-	-	0.05	0.263	0.338
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	15.45	16.50	1.274	-	-	0.01	0.667	0.849
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	15.41	16.50	1.285	-	-	-0.05	0.720	0.925
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	15.40	16.50	1.288	-	-	-0.07	0.699	0.900
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 7	-	ECI 4	656000	3840	1	22.88	24.00	1.294	-	-	0.06	0.253	0.327
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	23mm	Ant 7	-	ECI 4	656000	3840	1	22.88	24.00	1.294	-	-	0.03	0.689	0.892
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	ECI 3	42590	3500	1	17.96	19.30	1.361	62.9	1.006	0.15	0.430	0.589
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	ECI 3	42590	3500	1	17.83	19.30	1.403	62.9	1.006	-0.13	0.408	0.576
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	ECI 3	42590	3500	1	17.96	19.30	1.361	62.9	1.006	0.01	0.681	0.933
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	ECI 3	42190	3460	1	17.87	19.30	1.390	62.9	1.006	0.06	0.666	0.931
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	ECI 3	42990	3540	1	17.71	19.30	1.442	62.9	1.006	0.04	0.623	0.904
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	ECI 3	42590	3500	1	17.83	19.30	1.403	62.9	1.006	-0.07	0.651	0.919
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	ECI 3	42190	3460	1	17.75	19.30	1.429	62.9	1.006	0.02	0.642	0.923
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	ECI 3	42990	3540	1	17.60	19.30	1.479	62.9	1.006	0.06	0.619	0.921
	LTE Band 42	20M	QPSK	100	0	-	Back	5mm	Ant 8	-	ECI 3	42590	3500	1	17.95	19.30	1.365	62.9	1.006	0.03	0.610	0.837
	LTE 42C	20M	QPSK	1	99	-	Back	5mm	Ant 8	-	ECI 3	42590+42788	3500+3519.8	1	17.72	19.30	1.439	62.9	1.006	0.03	0.632	0.915
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 8	-	ECI 4	42590	3500	1	22.21	23.00	1.199	62.9	1.006	0.04	0.421	0.508
	LTE Band 42	20M	QPSK	1	0	-	Back	23mm	Ant 8	-	ECI 4	42590	3500	1	22.21	23.00	1.199	62.9	1.006	-0.17	0.651	0.786
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	1	18.59	19.80	1.321	-	-	0.06	0.149	0.197
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	1	18.51	19.80	1.346	-	-	-0.18	0.151	0.203
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	1	18.59	19.80	1.321	-	-	-0.12	0.615	0.813
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	1	18.51	19.80	1.346	-	-	-0.08	0.692	0.931
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	2	18.51	19.80	1.346	-	-	0.02	0.606	0.816
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	1	18.43	19.80	1.371	-	-	0.01	0.658	0.902
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	-	ECI 4	656000	3840	1	23.32	24.00	1.169	-	-	0.06	0.148	0.173
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	23mm	Ant 8	-	ECI 4	656000	3840	1	23.32	24.00	1.169	-	-	0.03	0.669	0.782



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)
WIFI/BT																		
73	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.06	0.423	0.617
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.09	0.887	1.294
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	1	2412	2	20.38	22.00	1.452	99.48	1.005	0.02	0.884	1.290
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	6	2462	1	19.13	21.00	1.538	99.48	1.005	0.05	0.622	0.962
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	11	2462	1	19.94	21.50	1.432	99.48	1.005	0.03	0.815	1.173
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)	Headset	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.02	0.744	1.086
	WLAN2.4GHz	802.11g 6Mbps	Back	5mm	Ant 3+5(5)		Full power	1	2412	1	18.06	20.00	1.563	96.97	1.031	0.06	0.566	0.912
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+5(5)		Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.01	0.126	0.183
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	-0.09	0.265	0.385
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.06	0.067	0.098
74	WLAN2.4GHz	802.11b 1Mbps	Back	23mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.09	0.056	0.082
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5		Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.043	0.064
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5		Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.04	0.091	0.135
	Bluetooth	1Mbps	Front	5mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.05	0.255	0.316
	Bluetooth	1Mbps	Back	5mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.01	0.267	0.331
	Bluetooth	1Mbps	Back	5mm	Ant 3		Full power	39	2441	2	16.93	17.50	1.140	76.66	1.087	0.06	0.234	0.290
	Bluetooth	1Mbps	Front	5mm	Ant 3		Simultaneous	39	2441	1	13.40	14.50	1.288	76.66	1.087	0.01	0.090	0.126
	Bluetooth	1Mbps	Back	5mm	Ant 3		Simultaneous	39	2441	1	13.40	14.50	1.288	76.66	1.087	0.01	0.096	0.134
	Bluetooth	1Mbps	Front	5mm	Ant 3		Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.01	0.004	0.006
	Bluetooth	1Mbps	Back	5mm	Ant 3		Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.01	0.006	0.009
75	Bluetooth	1Mbps	Front	15mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.030	0.037
	Bluetooth	1Mbps	Back	23mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.02	0.042	0.052
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7+8(8)		Standalone	54	5270	1	14.75	16.50	1.495	88.81	1.126	0.06	0.298	0.502
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)		Standalone	54	5270	1	14.75	16.50	1.495	88.81	1.126	0.01	0.711	1.197
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)		Standalone	54	5270	2	14.75	16.50	1.495	88.81	1.126	0.06	0.638	1.074
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)		Standalone	62	5310	1	14.69	16.50	1.517	88.81	1.126	0.03	0.697	1.191
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)		Simultaneous	58	5290	1	9.52	11.00	1.407	93.35	1.071	0.02	0.099	0.149
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)		Simultaneous	58	5290	1	9.52	11.00	1.407	93.35	1.071	0.03	0.237	0.357
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)		Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.06	0.052	0.087
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	23mm	Ant 7+8(8)		Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.03	0.052	0.087
76	WLAN5.5GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.192	0.325
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.653	1.105
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(7)		Full power	110	5550	2	16.73	18.50	1.503	88.81	1.126	0.02	0.505	0.855
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(7)		Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.03	0.609	1.038
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)		Simultaneous	106	5530	1	13.30	15.00	1.480	93.35	1.071	0.04	0.066	0.105
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)		Simultaneous	106	5530	1	13.30	15.00	1.480	93.35	1.071	0.05	0.223	0.353
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.026	0.044
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	23mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.028	0.047
	WLAN5.8GHz	802.11a 6Mbps	Front	5mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.03	0.347	0.545
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.01	0.742	1.166
77	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.06	0.752	1.195
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	149	5745	2	17.12	19.00	1.542	96.97	1.031	0.03	0.638	1.014
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)		Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.03	0.096	0.148
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)		Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.02	0.216	0.333
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.03	0.022	0.035
	WLAN5.8GHz	802.11a 6Mbps	Back	23mm	Ant 7+8(8)		Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.06	0.033	0.052



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)
750MHz																					
78	LTE Band 12	10M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	23095	707.5	1	22.75	24.00	1.334		1.000	0.02	1.430	1.907
	LTE Band 12	10M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	23095	707.5	2	22.75	24.00	1.334		1.000	0.02	1.330	1.774
	LTE Band 12	10M	QPSK	25	0		Back	0mm	Ant 1	ECI 6	23095	707.5	1	21.77	23.00	1.327		1.000	0.01	1.330	1.765
835MHz																					
	GSM850					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	189	836.4	1	28.01	29.00	1.256		1.000	-0.1	1.910	2.399
	GSM850					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	128	824.2	1	27.90	29.00	1.288		1.000	0.02	1.940	2.499
	GSM850					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	251	848.8	1	27.98	29.00	1.265		1.000	0.01	1.890	2.390
79	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4	1	28.01	29.00	1.256		1.000	-0.04	2.380	2.989
	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4	2	28.01	29.00	1.256		1.000	0.02	2.210	2.776
	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	128	824.2	1	27.90	29.00	1.288		1.000	0.06	2.220	2.860
	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	251	848.8	1	27.98	29.00	1.265		1.000	0.02	2.060	2.605
	GSM850					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	189	836.4	1	28.01	29.00	1.256		1.000	0.06	1.820	2.286
	GSM850					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	128	824.2	1	27.90	29.00	1.288		1.000	0.06	1.850	2.383
	GSM850					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	251	848.8	1	27.98	29.00	1.265		1.000	0.02	1.770	2.239
	GSM850					GPRS (4 Tx slots)	Front	7mm	Ant 0	ECI 4	128	824.2	1	28.65	29.50	1.216		1.000	0.02	0.300	0.365
	GSM850					GPRS (4 Tx slots)	Back	12mm	Ant 0	ECI 4	189	836.4	1	28.80	29.50	1.175		1.000	-0.04	0.498	0.585
	GSM850					GPRS (4 Tx slots)	Bottom Side	21mm	Ant 0	ECI 4	128	824.2	1	28.65	29.50	1.216		1.000	0.06	0.048	0.058
80	LTE Band 26	15M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	26865	831.5	1	23.05	24.00	1.245		1.000	-0.03	1.210	1.506
	LTE Band 26	15M	QPSK	36	0		Back	0mm	Ant 0	ECI 6	26865	831.5	1	22.09	23.00	1.233		1.000	-0.1	1.090	1.344
1750MHz																					
	WCDMA IV					RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1413	1732.6	1	20.38	21.40	1.265		1.000	-0.03	1.280	1.619
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1413	1732.6	1	20.38	21.40	1.265		1.000	0.09	1.500	1.897
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1413	1732.6	1	20.38	21.40	1.265		1.000	0.06	2.380	3.010
81	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1312	1712.4	1	20.36	21.40	1.271		1.000	0.01	2.490	3.164
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1513	1752.6	1	20.30	21.40	1.288		1.000	0.06	2.240	2.886
	WCDMA IV					RMC 12.2Kbps	Front	7mm	Ant 0	ECI 4	1413	1732.6	1	23.33	24.00	1.167		1.000	-0.03	1.110	1.295
	WCDMA IV					RMC 12.2Kbps	Back	12mm	Ant 0	ECI 4	1413	1732.6	1	23.33	24.00	1.167		1.000	0.09	0.898	1.048
	WCDMA IV					RMC 12.2Kbps	Bottom Side	21mm	Ant 0	ECI 4	1312	1712.4	1	23.29	24.00	1.178		1.000	0.01	0.517	0.609
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	132322	1745	1	20.70	21.60	1.230		1.000	0.11	1.870	2.301
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	132072	1720	1	20.67	21.60	1.239		1.000	0.03	1.830	2.267
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	132572	1770	1	20.58	21.60	1.265		1.000	0.06	1.960	2.479
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	132322	1745	1	20.64	21.60	1.247		1.000	0.01	1.780	2.220
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	132072	1720	1	20.50	21.60	1.288		1.000	0.02	1.740	2.242
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	132572	1770	1	20.54	21.60	1.276		1.000	0.09	1.630	2.081
	LTE Band 66	20M	QPSK	100	0		Front	0mm	Ant 0	ECI 6	132322	1745	1	20.56	21.60	1.271		1.000	0.01	1.660	2.109
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	132322	1745	1	20.70	21.60	1.230		1.000	-0.03	1.970	2.424
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	132072	1720	1	20.67	21.60	1.239		1.000	0.01	2.060	2.552
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	132572	1770	1	20.58	21.60	1.265		1.000	0.02	2.200	2.782
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	132322	1745	1	20.64	21.60	1.247		1.000	0.09	1.950	2.432
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	132072	1720	1	20.50	21.60	1.288		1.000	0.01	1.850	2.383
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	132572	1770	1	20.54	21.60	1.276		1.000	0.03	1.910	2.438
	LTE Band 66	20M	QPSK	100	0		Back	0mm	Ant 0	ECI 6	132322	1745	1	20.56	21.60	1.271		1.000	0.09	1.830	2.325
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132322	1745	1	20.70	21.60	1.230		1.000	0.01	2.290	2.817
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132072	1720	1	20.67	21.60	1.239		1.000	0.03	2.110	2.614
82	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770	1	20.58	21.60	1.265		1.000	0.01	2.530	3.200
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770	2	20.58	21.60	1.265		1.000	0.02	2.370	2.997
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	132322	1745	1	20.64	21.60	1.247		1.000	0.09	2.160	2.694
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	132072	1720	1	20.50	21.60	1.288		1.000	0.02	2.070	2.667
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770	1	20.54	21.60	1.276		1.000	0.02	2.190	2.795
	LTE Band 66	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	ECI 6	132322	1745	1	20.56	21.60	1.271		1.000	0.09	2.150	2.732
	LTE 66C	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572+132374	1770+1750.2	1	20.28	21.60	1.355		1.000	0.08	2.310	3.130
	LTE 66C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	132072+132270	1720+1739.8	1	20.37	21.60	1.327		1.000	0.02	2.350	3.119
	LTE 66C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	132322+132520	1745+1764.8	1	20.46	21.60	1.300		1.000	0.01	2.400	3.120



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	LTE Band 66	20M	QPSK	1	0		Front	7mm	Ant 0	ECI 4	132572	1770	1	22.84	24.00	1.306		1.000	0.06	1.720	2.247
	LTE Band 66	20M	QPSK	1	0		Back	12mm	Ant 0	ECI 4	132572	1770	1	22.84	24.00	1.306		1.000	0.02	0.918	1.199
	LTE Band 66	20M	QPSK	1	0		Bottom Side	21mm	Ant 0	ECI 4	132572	1770	1	22.84	24.00	1.306		1.000	0.01	0.660	0.862
	LTE Band 66_Other PA	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770	1	20.36	21.60	1.330		1.000	0.08	2.310	3.073
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	1	19.97	21.40	1.390		1.000	0.03	1.940	2.697
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	1	19.85	21.40	1.429		1.000	0.09	1.960	2.801
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	1	19.87	21.40	1.422		1.000	0.03	1.850	2.631
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	1	19.97	21.40	1.390		1.000	0.01	2.200	3.058
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	1	19.85	21.40	1.429		1.000	0.03	2.050	2.929
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	1	19.87	21.40	1.422		1.000	0.03	1.920	2.731
83	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	1	19.97	21.40	1.390		1.000	-0.02	2.290	3.183
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	1	19.85	21.40	1.429		1.000	-0.03	2.220	3.172
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	1	19.87	21.40	1.422		1.000	0.03	2.150	3.058
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	7mm	Ant 0	ECI 4	349000	1745	1	23.23	24.00	1.194		1.000	0.09	1.600	1.910
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 0	ECI 4	349000	1745	1	23.25	24.00	1.189		1.000	0.01	0.869	1.033
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	21mm	Ant 0	ECI 4	349000	1745	1	23.25	24.00	1.189		1.000	-0.02	0.570	0.677
	WCDMA IV					RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	1413	1732.6	1	20.07	21.10	1.268		1.000	0.03	0.911	1.155
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1413	1732.6	1	20.07	21.10	1.268		1.000	0.02	1.890	2.396
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1312	1712.4	1	19.99	21.10	1.291		1.000	0.01	1.770	2.285
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1513	1752.6	1	20.00	21.10	1.288		1.000	0.03	1.770	2.280
	WCDMA IV					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	1413	1732.6	1	20.07	21.10	1.268		1.000	-0.02	1.930	2.447
	WCDMA IV					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	1312	1712.4	1	19.99	21.10	1.291		1.000	0.01	1.850	2.389
	WCDMA IV					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	1513	1752.6	1	20.00	21.10	1.288		1.000	0.02	1.830	2.357
	WCDMA IV					RMC 12.2Kbps	Front	8mm	Ant 1	ECI 4	1413	1732.6	1	24.12	25.00	1.225		1.000	0.03	0.801	0.981
	WCDMA IV					RMC 12.2Kbps	Back	18mm	Ant 1	ECI 4	1413	1732.6	1	24.12	25.00	1.225		1.000	0.02	0.361	0.442
	WCDMA IV					RMC 12.2Kbps	Top Side	14mm	Ant 1	ECI 4	1413	1732.6	1	24.12	25.00	1.225		1.000	-0.02	0.505	0.618
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 1	ECI 6	132322	1745	1	19.95	20.90	1.245		1.000	0.09	1.310	1.630
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.01	1.250	1.566
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	132322	1745	1	19.95	20.90	1.245		1.000	0.01	1.890	2.352
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	132072	1720	1	19.86	20.90	1.271		1.000	0.06	1.910	2.427
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	132572	1770	1	19.81	20.90	1.285		1.000	0.09	1.860	2.391
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.01	1.760	2.206
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	132072	1720	1	19.74	20.90	1.306		1.000	0.06	1.790	2.338
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	132572	1770	1	19.80	20.90	1.288		1.000	0.01	1.780	2.293
	LTE Band 66	20M	QPSK	100	0		Back	0mm	Ant 1	ECI 6	132322	1745	1	19.86	20.90	1.271		1.000	0.02	1.720	2.185
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.95	20.90	1.245		1.000	-0.01	1.990	2.477
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	2	19.95	20.90	1.245		1.000	0.02	1.780	2.215
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132072	1720	1	19.86	20.90	1.271		1.000	0.01	1.830	2.325
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132572	1770	1	19.81	20.90	1.285		1.000	0.03	1.810	2.326
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.01	1.790	2.243
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	132072	1720	1	19.74	20.90	1.306		1.000	0.03	1.810	2.364
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	132572	1770	1	19.80	20.90	1.288		1.000	0.06	1.730	2.229
	LTE Band 66	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.86	20.90	1.271		1.000	0.01	1.780	2.262
	LTE 66C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	132322+132520	1745+1764.8	1	19.64	20.90	1.337		1.000	0.08	1.710	2.286
	LTE 66B	15M	QPSK	1	74		Top Side	0mm	Ant 1	ECI 6	132322+132415	1745+1754.3	1	19.70	20.90	1.318		1.000	0.01	1.730	2.281
	LTE Band 66	20M	QPSK	1	0		Front	8mm	Ant 1	ECI 4	132322	1745	1	22.93	24.00	1.279		1.000	0.09	0.990	1.267
	LTE Band 66	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	132072	1720	1	22.89	24.00	1.291		1.000	0.06	0.398	0.514
	LTE Band 66	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	132322	1745	1	22.93	24.00	1.279		1.000	-0.01	0.497	0.636
	LTE Band 66_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.05	1.830	2.293
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	349000	1745	1	19.08	20.00	1.236		1.000	0.09	1.090	1.347
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	349000	1745	1	19.01	20.00	1.256		1.000	0.01	1.100	1.382
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	349000	1745	1	19.08	20.00	1.236		1.000	0.01	1.870	2.311
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	349000	1745	1	19.01	20.00	1.256		1.000	0.02	1.860	2.336
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	349000	1745	1	18.96	20.00	1.271		1.000	0.09	1.660	2.109
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	1	19.08	20.00	1.236		1.000	0.01	1.910	2.361
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	1	19.01	20.00	1.256		1.000	0.06	1.960	2.462
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	1	18.96	20.00	1.271		1.000	0.01	1.880	2.389
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	8mm	Ant 1	ECI 4	349000	1745	1	23.13	24.00	1.222		1.000	0.01	0.824	1.007



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	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	18mm	Ant 1	ECI 4	349000	1745	1	23.13	24.00	1.222		1.000	0.02	0.302	0.369
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	14mm	Ant 1	ECI 4	349000	1745	1	23.13	24.00	1.222		1.000	0.06	0.470	0.574
1900MHz																					
	GSM1900					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	661	1880	1	21.48	23.00	1.419		1.000	0.15	1.780	2.526
	GSM1900					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	512	1850.2	1	21.35	23.00	1.462		1.000	0.13	1.810	2.647
	GSM1900					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	810	1909.8	1	21.44	23.00	1.432		1.000	0.09	1.730	2.478
	GSM1900					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	661	1880	1	21.48	23.00	1.419		1.000	0.03	1.930	2.739
	GSM1900					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	512	1850.2	1	21.35	23.00	1.462		1.000	0.14	1.820	2.661
	GSM1900					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	810	1909.8	1	21.44	23.00	1.432		1.000	0.05	1.870	2.678
84	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	661	1880	1	21.48	23.00	1.419		1.000	0.03	2.420	3.434
	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	661	1880	2	21.48	23.00	1.419		1.000	0.02	2.300	3.264
	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	512	1850.2	1	21.35	23.00	1.462		1.000	0.09	2.270	3.319
	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	810	1909.8	1	21.44	23.00	1.432		1.000	0.04	2.310	3.308
	GSM1900					GPRS (4 Tx slots)	Front	7mm	Ant 0	ECI 4	512	1850.2	1	25.83	26.50	1.167		1.000	0.13	0.935	1.091
	GSM1900					GPRS (4 Tx slots)	Back	12mm	Ant 0	ECI 4	661	1880	1	25.89	26.50	1.151		1.000	0.05	0.479	0.551
	GSM1900					GPRS (4 Tx slots)	Bottom Side	21mm	Ant 0	ECI 4	661	1880	1	25.89	26.50	1.151		1.000	0.03	0.403	0.464
	WCDMA II					RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9400	1880	1	18.57	19.50	1.239		1.000	0.06	1.310	1.623
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9400	1880	1	18.57	19.50	1.239		1.000	0.15	1.510	1.871
85	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880	1	18.57	19.50	1.239		1.000	0.02	2.590	3.208
	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9262	1852.4	1	18.53	19.50	1.250		1.000	0.09	2.490	3.113
	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9538	1907.6	1	18.48	19.50	1.265		1.000	0.13	2.450	3.099
	WCDMA II					RMC 12.2Kbps	Front	7mm	Ant 0	ECI 4	9400	1880	1	23.23	24.00	1.194		1.000	0.06	1.030	1.230
	WCDMA II					RMC 12.2Kbps	Back	12mm	Ant 0	ECI 4	9400	1880	1	23.23	24.00	1.194		1.000	0.15	0.507	0.605
	WCDMA II					RMC 12.2Kbps	Bottom Side	21mm	Ant 0	ECI 4	9400	1880	1	23.23	24.00	1.194		1.000	0.02	0.423	0.505
	LTE Band 2	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	18900	1880	1	17.99	19.10	1.291		1.000	-0.15	1.300	1.679
	LTE Band 2	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	18900	1880	1	17.94	19.10	1.306		1.000	0.12	1.240	1.620
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	18900	1880	1	17.99	19.10	1.291		1.000	-0.05	1.720	2.221
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	18700	1860	1	17.96	19.10	1.300		1.000	-0.02	1.610	2.093
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	19100	1900	1	17.88	19.10	1.324		1.000	0.07	1.730	2.291
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	18900	1880	1	17.94	19.10	1.306		1.000	0.07	1.690	2.207
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	18700	1860	1	17.86	19.10	1.330		1.000	-0.03	1.670	2.222
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	19100	1900	1	17.91	19.10	1.315		1.000	0.05	1.700	2.236
	LTE Band 2	20M	QPSK	100	0		Back	0mm	Ant 0	ECI 6	18900	1880	1	17.89	19.10	1.321		1.000	0.11	1.610	2.127
86	LTE Band 2	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	18900	1880	1	17.99	19.10	1.291		1.000	-0.01	2.450	3.163
	LTE Band 2	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	18700	1860	1	17.96	19.10	1.300		1.000	0.16	2.210	2.873
	LTE Band 2	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	19100	1900	1	17.88	19.10	1.324		1.000	-0.03	2.380	3.152
	LTE Band 2	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	18900	1880	1	17.94	19.10	1.306		1.000	-0.09	2.190	2.861
	LTE Band 2	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	18700	1860	1	17.86	19.10	1.330		1.000	-0.18	2.160	2.874
	LTE Band 2	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	19100	1900	1	17.91	19.10	1.315		1.000	-0.09	2.070	2.723
	LTE Band 2	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	ECI 6	18900	1880	1	17.89	19.10	1.321		1.000	0.02	2.090	2.762
	LTE Band 2	20M	QPSK	1	0		Front	7mm	Ant 0	ECI 4	18900	1880	1	22.56	24.00	1.393		1.000	-0.15	0.956	1.332
	LTE Band 2	20M	QPSK	1	0		Back	12mm	Ant 0	ECI 4	19100	1900	1	22.47	24.00	1.422		1.000	0.07	0.408	0.580
	LTE Band 2	20M	QPSK	1	0		Bottom Side	21mm	Ant 0	ECI 4	18900	1880	1	22.56	24.00	1.393		1.000	-0.01	0.475	0.662
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376000	1880	1	20.63	21.70	1.279		1.000	-0.08	1.110	1.420
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376000	1880	1	20.55	21.70	1.303		1.000	0.12	1.180	1.538
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376000	1880	1	20.63	21.70	1.279		1.000	0.18	1.610	2.060
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376000	1880	1	20.55	21.70	1.303		1.000	-0.05	1.580	2.059
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376000	1880	1	20.49	21.70	1.321		1.000	-0.01	1.510	1.995
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376000	1880	1	20.63	21.70	1.279		1.000	-0.11	2.400	3.071
87	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376000	1880	1	20.55	21.70	1.303		1.000	0.03	2.450	3.193
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376000	1880	1	20.49	21.70	1.321		1.000	0.04	2.290	3.026
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	7mm	Ant 0	ECI 4	376000	1880	1	22.57	23.50	1.239		1.000	0.12	0.932	1.155
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 0	ECI 4	376000	1880	1	22.64	23.50	1.219		1.000	0.18	0.368	0.449
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	21mm	Ant 0	ECI 4	376000	1880	1	22.57	23.50	1.239		1.000	0.03	0.439	0.544
	WCDMA II					RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	9400	1880	1	18.79	20.00	1.321		1.000	0.06	1.020	1.348
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9400	1880	1	18.79	20.00	1.321		1.000	0.16	1.650	2.180
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9262	1852.4	1	18.74	20.00	1.337		1.000	0.01	1.630	2.179
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9538	1907.6	1	18.71	20.00	1.346		1.000	0.02	1.530	2.059



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	WCDMA II					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	9400	1880	1	18.79	20.00	1.321		1.000	0.03	1.850	2.444
	WCDMA II					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	9262	1852.4	1	18.74	20.00	1.337		1.000	-0.07	1.710	2.286
	WCDMA II					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	9538	1907.6	1	18.71	20.00	1.346		1.000	0.08	1.720	2.315
	WCDMA II					RMC 12.2Kbps	Front	8mm	Ant 1	ECI 4	9400	1880	1	23.68	24.50	1.208		1.000	0.06	0.990	1.196
	WCDMA II					RMC 12.2Kbps	Back	18mm	Ant 1	ECI 4	9262	1852.4	1	23.45	24.50	1.274		1.000	0.01	0.367	0.467
	WCDMA II					RMC 12.2Kbps	Top Side	14mm	Ant 1	ECI 4	9400	1880	1	23.68	24.50	1.208		1.000	0.03	0.729	0.880
	LTE Band 2	20M	QPSK	1	0		Front	0mm	Ant 1	ECI 6	18900	1880	1	20.07	21.40	1.358		1.000	0.03	0.959	1.303
	LTE Band 2	20M	QPSK	50	0		Front	0mm	Ant 1	ECI 6	18900	1880	1	19.99	21.40	1.384		1.000	0.02	0.938	1.298
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	18900	1880	1	20.07	21.40	1.358		1.000	0.1	0.796	1.081
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	18900	1880	1	19.99	21.40	1.384		1.000	0.08	0.698	0.966
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	1	20.07	21.40	1.358		1.000	0.01	1.830	2.486
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	2	20.07	21.40	1.358		1.000	0.02	1.620	2.200
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	18700	1860	1	20.03	21.40	1.371		1.000	-0.13	1.740	2.385
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	19100	1900	1	19.95	21.40	1.396		1.000	0.08	1.770	2.472
	LTE Band 2	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	1	19.99	21.40	1.384		1.000	-0.03	1.780	2.463
	LTE Band 2	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	18700	1860	1	19.95	21.40	1.396		1.000	0.06	1.690	2.360
	LTE Band 2	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	19100	1900	1	19.93	21.40	1.403		1.000	0.04	1.690	2.371
	LTE Band 2	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	1	19.89	21.40	1.416		1.000	-0.13	1.720	2.435
	LTE Band 2	20M	QPSK	1	0		Front	8mm	Ant 1	ECI 4	18900	1880	1	21.89	23.00	1.291		1.000	0.03	0.883	1.140
	LTE Band 2	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	18900	1880	1	21.89	23.00	1.291		1.000	0.1	0.319	0.412
	LTE Band 2	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	18900	1880	1	21.89	23.00	1.291		1.000	0.01	0.611	0.789
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	20.12	21.40	1.343		1.000	0.05	1.030	1.383
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	20.07	21.40	1.358		1.000	-0.13	1.040	1.413
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	20.12	21.40	1.343		1.000	0.16	1.750	2.350
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	20.07	21.40	1.358		1.000	-0.14	1.770	2.404
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	19.93	21.40	1.403		1.000	0.02	1.610	2.259
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376000	1880	1	20.12	21.40	1.343		1.000	0.11	1.760	2.363
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376000	1880	1	20.07	21.40	1.358		1.000	0.02	1.820	2.472
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376000	1880	1	19.93	21.40	1.403		1.000	0.08	1.730	2.427
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	8mm	Ant 1	ECI 4	376000	1880	1	21.60	23.00	1.380		1.000	-0.13	0.761	1.050
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	18mm	Ant 1	ECI 4	376000	1880	1	21.60	23.00	1.380		1.000	-0.14	0.259	0.358
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	14mm	Ant 1	ECI 4	376000	1880	1	21.60	23.00	1.380		1.000	0.02	0.524	0.723
2600MHz																					
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	21100	2535	1	22.48	23.50	1.265		1.000	0.14	1.810	2.289
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	20850	2510	1	22.37	23.50	1.297		1.000	0.03	1.760	2.283
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	21350	2560	1	22.47	23.50	1.268		1.000	0.08	1.710	2.168
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	21100	2535	1	22.43	23.00	1.140		1.000	0.05	1.790	2.041
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	20850	2510	1	22.32	23.00	1.169		1.000	0.01	1.730	2.023
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	21350	2560	1	22.30	23.00	1.175		1.000	-0.09	1.690	1.986
	LTE Band 7	20M	QPSK	100	0		Front	0mm	Ant 0	ECI 6	21100	2535	1	22.41	23.00	1.146		1.000	0.07	1.740	1.993
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	21100	2535	1	22.48	23.50	1.265		1.000	-0.14	2.210	2.795
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	20850	2510	1	22.37	23.50	1.297		1.000	0.12	2.220	2.880
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	21350	2560	1	22.47	23.50	1.268		1.000	0.05	2.130	2.700
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	21100	2535	1	22.43	23.00	1.140		1.000	0.14	2.080	2.372
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	20850	2510	1	22.32	23.00	1.169		1.000	-0.12	2.030	2.374
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	21350	2560	1	22.30	23.00	1.175		1.000	-0.09	1.980	2.326
	LTE Band 7	20M	QPSK	100	0		Back	0mm	Ant 0	ECI 6	21100	2535	1	22.41	23.00	1.146		1.000	-0.01	1.960	2.245
88	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.48	23.50	1.265		1.000	-0.01	2.500	3.162
	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	2	22.48	23.50	1.265		1.000	0.02	2.340	2.959
	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	20850	2510	1	22.37	23.50	1.297		1.000	-0.19	2.420	3.139
	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21350	2560	1	22.47	23.50	1.268		1.000	0.03	2.290	2.903
	LTE Band 7	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.43	23.00	1.140		1.000	0.17	2.370	2.702
	LTE Band 7	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	20850	2510	1	22.32	23.00	1.169		1.000	0.16	2.290	2.678
	LTE Band 7	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	21350	2560	1	22.30	23.00	1.175		1.000	0.04	2.180	2.561
	LTE Band 7	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.41	23.00	1.146		1.000	0.14	2.210	2.532
	LTE 7C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	21100+21298	2535+2554.8	1	22.01	23.50	1.409		1.000	-0.01	2.180	3.072
	LTE 7C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	20850+21048	2510+2529.8	1	21.80	23.50	1.479		1.000	0.03	2.010	2.973
	LTE 7C	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21350+21152	2560+2540.2	1	21.90	23.50	1.445		1.000	-0.02	2.060	2.978
	LTE Band 7	20M	QPSK	1	0		Front	7mm	Ant 0	ECI 4	21100	2535	1	23.18	24.00	1.208		1.000	0.14	1.510	1.824



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	LTE Band 7	20M	QPSK	1	0		Back	12mm	Ant 0	ECI 4	20850	2510	1	23.07	24.00	1.239		1.000	0.12	0.869	1.077
	LTE Band 7	20M	QPSK	1	0		Bottom Side	21mm	Ant 0	ECI 4	21100	2535	1	23.18	24.00	1.208		1.000	-0.01	0.596	0.720
	LTE Band 7_Other PA	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.36	23.50	1.300		1.000	0.06	2.390	3.107
	LTE Band 38	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.09	1.390	1.689
	LTE Band 38	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	37850	2580	1	22.06	23.00	1.242	62.9	1.006	0.15	1.090	1.362
	LTE Band 38	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	38000	2595	1	23.18	24.00	1.208	62.9	1.006	-0.08	1.730	2.102
	LTE Band 38	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	37850	2580	1	23.09	24.00	1.233	62.9	1.006	-0.01	1.700	2.109
	LTE Band 38	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	38150	2610	1	23.02	24.00	1.253	62.9	1.006	0.08	1.730	2.181
	LTE Band 38	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	38000	2595	1	22.10	23.00	1.230	62.9	1.006	-0.16	1.650	2.042
	LTE Band 38	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	37850	2580	1	22.06	23.00	1.242	62.9	1.006	0.07	1.540	1.924
	LTE Band 38	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	38150	2610	1	22.05	23.00	1.245	62.9	1.006	0.03	1.660	2.078
	LTE Band 38	20M	QPSK	100	0		Back	0mm	Ant 0	ECI 6	38000	2595	1	22.10	23.00	1.230	62.9	1.006	0.13	1.550	1.918
	LTE Band 38	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	38000	2595	1	23.18	24.00	1.208	62.9	1.006	-0.01	2.010	2.442
	LTE Band 38	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	37850	2580	1	23.09	24.00	1.233	62.9	1.006	0.03	1.950	2.419
	LTE Band 38	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	38150	2610	1	23.02	24.00	1.253	62.9	1.006	0.03	1.920	2.420
	LTE Band 38	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	38000	2595	1	22.10	23.00	1.230	62.9	1.006	-0.18	1.820	2.253
	LTE Band 38	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	37850	2580	1	22.06	23.00	1.242	62.9	1.006	0.03	1.780	2.223
	LTE Band 38	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	38150	2610	1	22.05	23.00	1.245	62.9	1.006	-0.19	1.790	2.241
	LTE Band 38	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	ECI 6	38000	2595	1	22.10	23.00	1.230	62.9	1.006	0.11	1.860	2.302
	LTE 38C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	37901+38099	2585.1+2604.9	1	22.99	24.00	1.262	62.9	1.006	0.11	1.880	2.386
	LTE Band 38_Other PA	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	38000	2595	1	21.19	22.00	1.205	100	1.000	0.07	1.710	2.061
	LTE Band 41	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	40620	2593	1	22.62	24.00	1.374	62.9	1.006	0.02	0.820	1.133
	LTE Band 41	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	40620	2593	1	21.43	23.00	1.435	62.9	1.006	0.04	0.665	0.960
	LTE Band 41	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	40620	2593	1	22.62	24.00	1.374	62.9	1.006	0.01	0.851	1.176
	LTE Band 41	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	40620	2593	1	21.43	23.00	1.435	62.9	1.006	-0.03	0.801	1.157
	LTE Band 41 HPUE	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	40620	2593	1	25.45	27.00	1.429	42.9	1.009	0.04	1.120	1.615
	LTE Band 41 HPUE	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	39750	2506	1	25.35	27.00	1.462	42.9	1.009	0.01	0.991	1.462
	LTE Band 41 HPUE	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	40185	2549.5	1	25.23	27.00	1.503	42.9	1.009	0.08	1.030	1.562
	LTE Band 41 HPUE	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	41055	2636.5	1	25.28	27.00	1.486	42.9	1.009	0.1	1.050	1.574
	LTE Band 41 HPUE	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	41490	2680	1	25.39	27.00	1.449	42.9	1.009	-0.04	0.998	1.459
	LTE 41C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	40620+40818	2593+2612.8	1	22.55	24.00	1.396	62.9	1.006	0.01	0.811	1.139
	LTE Band 41_Other PA	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	40620	2593	1	22.03	23.00	1.250	100	1.000	0.08	1.030	1.288
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	507000	2535	1	20.91	22.00	1.285		1.000	0.07	1.730	2.224
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	507000	2535	1	20.87	22.00	1.297		1.000	0.05	1.810	2.348
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	507000	2535	1	20.81	22.00	1.315		1.000	0.02	1.760	2.315
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	507000	2535	1	20.91	22.00	1.285		1.000	-0.15	2.340	3.008
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	507000	2535	1	20.87	22.00	1.297		1.000	0.02	2.340	3.035
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	507000	2535	1	20.81	22.00	1.315		1.000	0.06	2.240	2.946
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	507000	2535	1	20.91	22.00	1.285		1.000	-0.13	2.390	3.072
89	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	507000	2535	1	20.87	22.00	1.297		1.000	0.02	2.430	3.152
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	507000	2535	1	20.81	22.00	1.315		1.000	0.09	2.280	2.999
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	7mm	Ant 0	ECI 4	507000	2535	1	23.01	24.00	1.256		1.000	0.05	1.260	1.583
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	12mm	Ant 0	ECI 4	507000	2535	1	23.01	24.00	1.256		1.000	0.01	0.736	0.924
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	21mm	Ant 0	ECI 4	507000	2535	1	23.01	24.00	1.256		1.000	0.02	0.439	0.551
	FR1 n7_Other PA	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	507000	2535	1	20.49	22.00	1.416		1.000	-0.09	2.210	3.129
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	519000	2595	1	22.09	23.30	1.321		1.000	-0.1	1.830	2.418
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	519000	2595	1	21.91	23.30	1.377		1.000	0.07	1.710	2.355
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	519000	2595	1	21.91	22.50	1.146		1.000	-0.17	1.790	2.050
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	519000	2595	1	22.09	23.30	1.321		1.000	0.03	2.290	3.026
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	519000	2595	1	21.91	23.30	1.377		1.000	0.17	2.200	3.030
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	519000	2595	1	21.91	22.50	1.146		1.000	0.03	2.150	2.463
90	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	519000	2595	1	22.09	23.30	1.321		1.000	0.05	2.370	3.131
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	519000	2595	1	21.91	23.30	1.377		1.000	-0.12	2.190	3.016
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	519000	2595	1	21.91	22.50	1.146		1.000	0.02	2.170	2.486
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	7mm	Ant 0	ECI 4	519000	2595	1	23.37	24.00	1.156		1.000	-0.1	1.140	1.318
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	12mm	Ant 0	ECI 4	519000	2595	1	23.25	24.00	1.189		1.000	0.17	0.616	0.732
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	21mm	Ant 0	ECI 4	519000	2595	1	23.37	24.00	1.156		1.000	0.05	0.418	0.483
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	1	23.25	24.00	1.189		1.000	0.03	1.960	2.329



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	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	1	22.95	24.00	1.274		1.000	-0.12	1.930	2.458
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	1	21.99	23.00	1.262		1.000	0.08	1.850	2.334
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	1	23.25	24.00	1.189		1.000	0.05	2.470	2.936
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	1	22.95	24.00	1.274		1.000	0.02	2.150	2.738
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	1	21.99	23.00	1.262		1.000	0.15	1.970	2.486
91	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	1	23.25	24.00	1.189		1.000	-0.01	2.490	2.959
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	1	22.95	24.00	1.274		1.000	-0.05	2.310	2.942
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	1	21.99	23.00	1.262		1.000	0.18	2.130	2.688
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 1	ECI 6	21100	2535	1	18.55	19.70	1.303		1.000	0.16	0.859	1.119
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 1	ECI 6	21100	2535	1	18.51	19.70	1.315		1.000	0.08	0.825	1.085
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	21100	2535	1	18.55	19.70	1.303		1.000	0.02	1.140	1.486
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	21100	2535	1	18.51	19.70	1.315		1.000	0.02	1.080	1.420
	LTE Band 7	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	21100	2535	1	18.55	19.70	1.303		1.000	-0.15	1.810	2.359
	LTE Band 7	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	20850	2510	1	18.46	19.70	1.330		1.000	0.07	1.850	2.461
	LTE Band 7	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	21350	2560	1	18.39	19.70	1.352		1.000	0.01	1.730	2.339
	LTE Band 7	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	21100	2535	1	18.51	19.70	1.315		1.000	0.04	1.760	2.315
	LTE Band 7	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	20850	2510	1	18.45	19.70	1.334		1.000	0.04	1.750	2.334
	LTE Band 7	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	21350	2560	1	18.40	19.70	1.349		1.000	0.06	1.720	2.320
	LTE Band 7	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	21100	2535	1	18.45	19.70	1.334		1.000	-0.12	1.700	2.267
	LTE 7C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	20850+21048	2510+2529.8	1	18.18	19.70	1.419		1.000	0.07	1.700	2.412
	LTE Band 7	20M	QPSK	1	0		Front	8mm	Ant 1	ECI 4	21100	2535	1	22.74	24.00	1.337		1.000	0.16	0.697	0.932
	LTE Band 7	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	21100	2535	1	22.74	24.00	1.337		1.000	0.02	0.200	0.267
	LTE Band 7	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	20850	2510	1	22.59	24.00	1.384		1.000	0.07	0.235	0.325
	LTE Band 7_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	20850	2510	1	18.04	19.70	1.466		1.000	0.09	1.530	2.242
	LTE Band 38	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	38000	2595	1	20.96	22.20	1.330	62.9	1.006	-0.15	1.330	1.780
	LTE Band 38	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	38000	2595	1	20.92	22.20	1.343	62.9	1.006	0.05	1.270	1.716
92	LTE Band 38	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	20.96	22.20	1.330	62.9	1.006	0.04	1.870	2.503
	LTE Band 38	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	37850	2580	1	20.92	22.20	1.343	62.9	1.006	0.07	1.810	2.445
	LTE Band 38	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	38150	2610	1	20.87	22.20	1.358	62.9	1.006	0.07	1.800	2.460
	LTE Band 38	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	20.92	22.20	1.343	62.9	1.006	0.05	1.760	2.377
	LTE Band 38	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	37850	2580	1	20.90	22.20	1.349	62.9	1.006	0.03	1.670	2.266
	LTE Band 38	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	38150	2610	1	20.88	22.20	1.355	62.9	1.006	0.14	1.680	2.290
	LTE Band 38	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	20.86	22.20	1.361	62.9	1.006	0.06	1.660	2.274
	LTE 38C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	37901+38099	2585.1+2604.9	1	20.71	22.20	1.409	62.9	1.006	0.03	1.710	2.424
	LTE Band 38	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	38000	2595	1	22.78	24.00	1.324	62.9	1.006	-0.15	0.113	0.151
	LTE Band 38	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	38000	2595	1	22.78	24.00	1.324	62.9	1.006	0.04	0.115	0.153
	LTE Band 38_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	18.84	20.00	1.306	100	1.000	0.05	1.710	2.234
	LTE Band 41	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	40620	2593	1	21.86	23.00	1.300	62.9	1.006	-0.07	1.060	1.386
	LTE Band 41	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	40620	2593	1	20.87	22.00	1.297	62.9	1.006	0.1	0.841	1.097
	LTE Band 41	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	21.86	23.00	1.300	62.9	1.006	0.06	1.460	1.910
	LTE Band 41	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	20.87	22.00	1.297	62.9	1.006	0.1	1.140	1.488
93	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	24.78	26.00	1.324	42.9	1.009	0.07	1.900	2.539
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	39750	2506	1	24.62	26.00	1.374	42.9	1.009	0.07	1.800	2.496
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40185	2549.5	1	24.39	26.00	1.449	42.9	1.009	0.07	1.690	2.470
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	41055	2636.5	1	24.37	26.00	1.455	42.9	1.009	0.07	1.650	2.423
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	41490	2680	1	24.76	26.00	1.330	42.9	1.009	0.07	1.890	2.537
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	2	24.78	26.00	1.324	42.9	1.009	0.03	1.810	2.419
	LTE 41C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	40620+40818	2593+2612.8	1	21.85	23.00	1.303	62.9	1.006	-0.09	1.390	1.822
	LTE Band 41_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	21.50	22.50	1.259	100	1.000	0.06	1.730	2.178
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	1	18.59	19.50	1.233		1.000	0.09	0.975	1.202
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	1	18.51	19.50	1.256		1.000	-0.09	0.993	1.247
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	1	18.59	19.50	1.233		1.000	0.06	1.420	1.751
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	1	18.51	19.50	1.256		1.000	0.03	1.510	1.897
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.59	19.50	1.233		1.000	0.05	1.900	2.343
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.51	19.50	1.256		1.000	0.01	1.940	2.437
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.50	19.50	1.259		1.000	0.03	1.880	2.367
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	8mm	Ant 1	ECI 4	507000	2535	1	23.14	24.00	1.219		1.000	-0.09	0.798	0.973
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	18mm	Ant 1	ECI 4	507000	2535	1	23.14	24.00	1.219		1.000	0.03	0.203	0.247



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	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	14mm	Ant 1	ECI 4	507000	2535	1	23.14	24.00	1.219		1.000	0.01	0.335	0.408
	FR1 n7_Other PA	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.62	19.50	1.225		1.000	0.08	1.830	2.241
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	519000	2595	1	20.05	21.10	1.274		1.000	0.1	1.030	1.312
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	519000	2595	1	19.97	21.10	1.297		1.000	0.07	1.020	1.323
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	519000	2595	1	20.05	21.10	1.274		1.000	0.07	1.510	1.923
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	519000	2595	1	19.97	21.10	1.297		1.000	-0.06	1.460	1.894
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	519000	2595	1	20.05	21.10	1.274		1.000	0.02	1.950	2.483
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	519000	2595	1	19.97	21.10	1.297		1.000	-0.15	1.870	2.426
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	519000	2595	1	19.91	21.10	1.315		1.000	-0.12	1.820	2.394
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	8mm	Ant 1	ECI 4	519000	2595	1	23.19	24.00	1.205		1.000	0.07	0.709	0.854
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 1	ECI 4	519000	2595	1	23.57	24.00	1.104		1.000	0.07	0.173	0.191
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	14mm	Ant 1	ECI 4	519000	2595	1	23.57	24.00	1.104		1.000	0.02	0.294	0.325
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	518598	2592.99	1	19.12	20.20	1.282		1.000	0.08	0.986	1.264
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	518598	2592.99	1	19.07	20.20	1.297		1.000	0.05	0.946	1.227
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	1	19.12	20.20	1.282		1.000	0.13	1.650	2.116
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	1	19.07	20.20	1.297		1.000	0.02	1.600	2.075
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	1	19.01	20.20	1.315		1.000	0.04	1.520	1.999
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	518598	2592.99	1	19.12	20.20	1.282		1.000	-0.17	1.890	2.424
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	518598	2592.99	1	19.07	20.20	1.297		1.000	-0.02	1.910	2.478
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	518598	2592.99	1	19.01	20.20	1.315		1.000	0.09	1.840	2.420
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	8mm	Ant 1	ECI 4	518598	2592.99	1	22.73	24.00	1.340		1.000	0.08	0.660	0.884
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	18mm	Ant 1	ECI 4	518598	2592.99	1	22.55	24.00	1.396		1.000	0.02	0.223	0.311
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	14mm	Ant 1	ECI 4	518598	2592.99	1	22.55	24.00	1.396		1.000	-0.02	0.236	0.330
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	519000	2595	1	23.12	24.00	1.225		1.000	0.18	2.070	2.535
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	519000	2595	1	22.54	24.00	1.400		1.000	0.07	2.110	2.953
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	519000	2595	2	22.54	24.00	1.400		1.000	0.03	2.040	2.855
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	519000	2595	1	21.59	23.00	1.384		1.000	0.01	1.780	2.463
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	ECI 4	519000	2595	1	18.92	20.00	1.282		1.000	0.03	0.605	0.776
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	0mm	Ant 6	ECI 4	519000	2595	1	18.91	20.00	1.285		1.000	-0.01	0.506	0.650
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 6	ECI 4	519000	2595	1	18.92	20.00	1.282		1.000	0.03	1.980	2.539
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	0mm	Ant 6	ECI 4	519000	2595	1	18.91	20.00	1.285		1.000	-0.01	2.030	2.609
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Left Side	0mm	Ant 6	ECI 4	519000	2595	1	18.76	20.00	1.330		1.000	0.08	1.830	2.435
3500-3900MHz																					
94	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 2	ECI 6	42590	3500	1	22.56	24.00	1.393	62.9	1.006	0.06	1.850	2.593
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 2	ECI 6	42590	3500	2	22.56	24.00	1.393	62.9	1.006	0.02	1.640	2.298
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 2	ECI 6	42190	3460	1	22.47	24.00	1.422	62.9	1.006	0.06	1.770	2.533
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 2	ECI 6	42990	3540	1	22.42	24.00	1.439	62.9	1.006	0.03	1.730	2.504
	LTE Band 42	20M	QPSK	50	0		Left Side	0mm	Ant 2	ECI 6	42590	3500	1	21.60	23.00	1.380	62.9	1.006	0.03	1.790	2.486
	LTE Band 42	20M	QPSK	50	0		Left Side	0mm	Ant 2	ECI 6	42190	3460	1	21.56	23.00	1.393	62.9	1.006	0.05	1.750	2.453
	LTE Band 42	20M	QPSK	50	0		Left Side	0mm	Ant 2	ECI 6	42990	3540	1	21.51	23.00	1.409	62.9	1.006	0.04	1.710	2.424
	LTE Band 42	20M	QPSK	100	0		Left Side	0mm	Ant 2	ECI 6	42590	3500	1	21.45	23.00	1.429	62.9	1.006	0.18	1.790	2.573
	LTE 42C	20M	QPSK	1	99		Left Side	0mm	Ant 2	ECI 6	42590+42788	3500+3519.8	1	22.22	24.00	1.507	62.9	1.006	0.02	1.650	2.501
95	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	1	22.53	23.50	1.250		1.000	-0.09	2.430	3.038
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	2	22.53	23.50	1.250		1.000	0.01	2.350	2.938
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	1	22.41	23.50	1.285		1.000	0.14	2.270	2.918
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	1	22.42	23.50	1.282		1.000	0.17	2.180	2.795
	LTE Band 42	20M	QPSK	1	0		Front	0mm	Ant 4	ECI 6	42590	3500	1	21.38	22.40	1.265	62.9	1.006	0.13	0.715	0.910
	LTE Band 42	20M	QPSK	50	0		Front	0mm	Ant 4	ECI 6	42590	3500	1	21.34	22.40	1.276	62.9	1.006	0.09	0.685	0.880
	LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 4	ECI 6	42590	3500	1	21.38	22.40	1.265	62.9	1.006	0.19	1.550	1.972
	LTE Band 42	20M	QPSK	50	0		Back	0mm	Ant 4	ECI 6	42590	3500	1	21.34	22.40	1.276	62.9	1.006	-0.09	1.490	1.913
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 4	ECI 6	42590	3500	1	21.38	22.40	1.265	62.9	1.006	-0.04	1.940	2.468
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 4	ECI 6	42590	3500	2	21.38	22.40	1.265	62.9	1.006	0.03	1.730	2.201
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 4	ECI 6	42190	3460	1	21.33	22.40	1.279	62.9	1.006	0.15	1.850	2.381
	LTE Band 42	20M	QPSK	1	0		Left Side	0mm	Ant 4	ECI 6	42990	3540	1	21.29	22.40	1.291	62.9	1.006	0.03	1.870	2.429
	LTE Band 42	20M	QPSK	50	0		Left Side	0mm	Ant 4	ECI 6	42590	3500	1	21.34	22.40	1.276	62.9	1.006	0.04	1.810	2.324
	LTE Band 42	20M	QPSK	50	0		Left Side	0mm	Ant 4	ECI 6	42190	3460	1	21.20	22.40	1.318	62.9	1.006	0.13	1.790	2.374
	LTE Band 42	20M	QPSK	50	0		Left Side	0mm	Ant 4	ECI 6	42990	3540	1	21.33	22.40	1.279	62.9	1.006	-0.05	1.750	2.252
	LTE Band 42	20M	QPSK	100	0		Left Side	0mm	Ant 4	ECI 6	42590	3500	1	21.30	22.40	1.288	62.9	1.006	-0.05	1.820	2.359



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	LTE 42C	20M	QPSK	1	99		Left Side	0mm	Ant 4	ECI 6	42590+42788	3500+3519.8	1	20.98	22.40	1.387	62.9	1.006	-0.04	1.710	2.386
	LTE Band 42	20M	QPSK	1	0		Front	8mm	Ant 4	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	0.13	0.113	0.137
	LTE Band 42	20M	QPSK	1	0		Back	18mm	Ant 4	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	0.19	0.052	0.063
	LTE Band 42	20M	QPSK	1	0		Left Side	10mm	Ant 4	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	-0.04	0.166	0.201
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	0.08	0.421	0.512
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	-0.17	0.450	0.556
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	-0.1	1.530	1.861
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	0.03	1.480	1.829
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	0.04	1.950	2.372
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	-0.05	2.000	2.472
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	2	17.28	18.20	1.236		1.000	0.02	1.900	2.348
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	1	17.30	18.20	1.230		1.000	0.12	1.920	2.362
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	0.05	0.175	0.213
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	0.08	0.199	0.246
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	8mm	Ant 4	ECI 4	656000	3840	1	26.26	27.00	1.186		1.000	-0.04	0.178	0.211
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 4	ECI 4	656000	3840	1	26.31	27.00	1.172		1.000	0.15	0.074	0.087
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	ECI 4	656000	3840	1	26.26	27.00	1.186		1.000	0.03	0.186	0.221
	LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 7	ECI 6	42590	3500	1	19.62	20.80	1.312	62.9	1.006	0.08	0.709	0.936
	LTE Band 42	20M	QPSK	50	0		Back	0mm	Ant 7	ECI 6	42590	3500	1	19.55	20.80	1.334	62.9	1.006	-0.05	0.703	0.943
	LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42590	3500	1	19.62	20.80	1.312	62.9	1.006	-0.17	1.780	2.350
	LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42190	3460	1	19.55	20.80	1.334	62.9	1.006	0.1	1.800	2.415
	LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42990	3540	1	19.59	20.80	1.321	62.9	1.006	-0.1	1.860	2.472
	LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42990	3540	2	19.59	20.80	1.321	62.9	1.006	0.03	1.760	2.339
	LTE Band 42	20M	QPSK	50	0		Top Side	0mm	Ant 7	ECI 6	42590	3500	1	19.55	20.80	1.334	62.9	1.006	-0.19	1.770	2.374
	LTE Band 42	20M	QPSK	50	0		Top Side	0mm	Ant 7	ECI 6	42190	3460	1	19.34	20.80	1.400	62.9	1.006	0.08	1.730	2.436
	LTE Band 42	20M	QPSK	50	0		Top Side	0mm	Ant 7	ECI 6	42990	3540	1	19.46	20.80	1.361	62.9	1.006	0.05	1.730	2.369
	LTE Band 42	20M	QPSK	100	0		Top Side	0mm	Ant 7	ECI 6	42590	3500	1	19.48	20.80	1.355	62.9	1.006	-0.13	1.710	2.331
	LTE 42C	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42990+42792	3540+3520.2	1	19.22	20.80	1.439	62.9	1.006	-0.19	1.680	2.432
	LTE Band 42	20M	QPSK	1	0		Back	11mm	Ant 7	ECI 4	42590	3500	1	23.28	24.00	1.180	62.9	1.006	0.08	0.715	0.849
	LTE Band 42	20M	QPSK	1	0		Top Side	13mm	Ant 7	ECI 4	42990	3540	1	23.04	24.00	1.247	62.9	1.006	-0.1	0.451	0.566
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 7	ECI 6	656000	3840	1	18.97	20.10	1.297		1.000	0.05	1.280	1.660
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 7	ECI 6	656000	3840	1	18.95	20.10	1.303		1.000	0.03	1.300	1.694
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	656000	3840	1	18.97	20.10	1.297		1.000	-0.11	1.310	1.699
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	656000	3840	1	18.95	20.10	1.303		1.000	0.05	1.380	1.798
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	1	18.97	20.10	1.297		1.000	-0.04	1.820	2.361
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	1	18.95	20.10	1.303		1.000	-0.06	1.880	2.450
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	2	18.95	20.10	1.303		1.000	0.01	1.700	2.215
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	1	18.88	20.10	1.324		1.000	-0.07	1.780	2.357
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	8mm	Ant 7	ECI 4	656000	3840	1	22.88	24.00	1.294		1.000	0.03	0.826	1.069
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	11mm	Ant 7	ECI 4	656000	3840	1	22.88	24.00	1.294		1.000	0.05	0.660	0.854
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	13mm	Ant 7	ECI 4	656000	3840	1	22.88	24.00	1.294		1.000	0.06	0.423	0.547
	LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 8	ECI 6	42590	3500	1	22.21	23.00	1.199	62.9	1.006	0.06	0.234	0.282
	LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 8	ECI 6	42590	3500	2	22.21	23.00	1.199	62.9	1.006	0.02	0.200	0.241
	LTE Band 42	20M	QPSK	50	0		Back	0mm	Ant 8	ECI 6	42590	3500	1	21.17	22.00	1.211	62.9	1.006	0.13	0.185	0.225
	LTE 42C	20M	QPSK	1	99		Back	0mm	Ant 8	ECI 6	42590+42788	3500+3519.8	1	22.19	23.00	1.205	62.9	1.006	0.02	0.222	0.269
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	656000	3840	1	22.46	23.00	1.132		1.000	-0.11	0.638	0.722
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	656000	3840	1	22.39	23.00	1.151		1.000	0.06	0.724	0.833
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 8	ECI 6	656000	3840	1	22.46	23.00	1.132		1.000	-0.02	1.190	1.348
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 8	ECI 6	656000	3840	1	22.39	23.00	1.151		1.000	-0.07	1.280	1.473
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 8	ECI 6	656000	3840	2	22.39	23.00	1.151		1.000	0.03	1.190	1.369



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)
WIFI/BT																	
96	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.01	1.140	1.664
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	-0.15	2.350	3.430
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	2	20.38	22.00	1.452	99.48	1.005	0.01	2.130	3.108
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	6	2437	1	19.13	21.00	1.538	99.48	1.005	0.03	1.860	2.875
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	11	2462	1	19.94	21.50	1.432	99.48	1.005	-0.1	2.120	3.051
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.05	0.957	1.397
	WLAN2.4GHz	802.11g 6Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	1	18.06	20.00	1.563	96.97	1.031	0.11	1.220	1.966
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.09	0.339	0.492
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.02	0.666	0.967
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.01	0.287	0.417
97	WLAN2.4GHz	802.11b 1Mbps	Back	11mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.01	0.197	0.287
	WLAN2.4GHz	802.11b 1Mbps	Right Side	7mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	-0.15	0.190	0.277
	WLAN2.4GHz	802.11b 1Mbps	Top Side	13mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.05	0.093	0.136
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.05	0.486	0.811
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.01	0.534	0.891
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.03	0.107	0.179
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	-0.02	0.338	0.564
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.01	0.877	1.464
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Full power	54	5270	2	17.29	19.00	1.483	88.81	1.126	0.08	0.800	1.335
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Simultaneous	54	5270	1	15.80	17.50	1.478	88.81	1.126	-0.04	0.589	0.980
98	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	13mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.01	0.070	0.117
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.445	0.753
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	-0.09	0.477	0.807
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	Full power	110	5550	2	16.73	18.50	1.503	88.81	1.126	-0.1	0.412	0.697
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.020	0.034
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.03	0.290	0.491
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	-0.06	0.373	0.631



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)	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)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz					802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	-0.01	0.957	1	1.377
2nd	WLAN2.4GHz					802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	0.08	0.945	1.013	1.360
1st	LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	23230	782	1	23.44	24.00	1.138		1.000	-0.01	0.947	1	1.077
2nd	LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	23230	782	1	23.44	24.00	1.138		1.000	0.02	0.930	1.018	1.058
1st	LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	26865	831.5	1	23.05	24.00	1.245		1.000	0.01	1.030	1	1.282
2nd	LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	26865	831.5	1	23.05	24.00	1.245		1.000	0.08	0.995	1.035	1.238
1st	LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	132322	1745	1	19.08	20.10	1.265		1.000	0.09	1.020	1	1.290
2nd	LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	132322	1745	1	19.08	20.10	1.265		1.000	0.07	0.992	1.028	1.255
1st	GSM1900					GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268		1.000	0.03	1.090	1	1.382
2nd	GSM1900					GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268		1.000	0.04	1.060	1.028	1.344
1st	LTE Band 7	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216		1.000	0.03	1.060	1	1.289
2nd	LTE Band 7	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216		1.000	0.05	0.999	1.061	1.215
1st	LTE Band 42	20M	QPSK	1	0		Left Side	5mm	Ant 2	ECI 7	42190	3460	1	22.47	24.00	1.422	62.9	1.006	0.03	0.872	1	1.248
2nd	LTE Band 42	20M	QPSK	1	0		Left Side	5mm	Ant 2	ECI 7	42190	3460	1	22.47	24.00	1.422	62.9	1.006	0.05	0.861	1.013	1.232
1st	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312		1.000	-0.09	0.971	1	1.274
2nd	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	1	22.02	23.20	1.312		1.000	0.09	0.960	1.011	1.260

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Power Setting	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)	Ratio	Reported 10g SAR (W/kg)
1st	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4		1	28.01	29.00	1.256		1.000	-0.04	2.380	1	2.989
2nd	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4		1	28.01	29.00	1.256		1.000	0.05	2.350	1.013	2.952
1st	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770		1	20.58	21.60	1.265		1.000	0.01	2.530	1	3.200
2nd	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770		1	20.58	21.60	1.265		1.000	0.08	2.500	1.012	3.162
1st	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880		1	18.57	19.50	1.239		1.000	0.02	2.590	1	3.208
2nd	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880		1	18.57	19.50	1.239		1.000	0.06	2.560	1.012	3.171
1st	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535		1	22.48	23.50	1.265		1.000	-0.01	2.500	1	3.162
2nd	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535		1	22.48	23.50	1.265		1.000	0.09	2.430	1.029	3.073
1st	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	245	1	22.53	23.50	1.250		1.000	-0.09	2.430	1	3.038
2nd	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	245	1	22.53	23.50	1.250		1.000	0.08	2.390	1.017	2.988
1st	WLAN2.4GHz					802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	18.5	1	20.38	22.00	1.452	99.48	1.005	-0.15	2.350	1	3.430
2nd	WLAN2.4GHz					802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	18.5	1	20.38	22.00	1.452	99.48	1.005	0.03	2.290	1.026	3.342

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 Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE B41-Linearity Data for Head Ant 0			LTE B41-Linearity Data for Head Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	21.30	22.90
Reported 1g SAR (W/kg)	0.112	0.143	Reported 1g SAR (W/kg)	0.872	0.927
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	85.39	84.43
Linearity SAR (W/kg)	0.153		Linearity SAR (W/kg)	0.862	
% deviation from expected linearity		-6.45%	% deviation from expected linearity		7.52%
LTE B41-Linearity Data for Body-worn Ant 0			LTE B41-Linearity Data for Body-worn Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.10	24.70	Maximum Tune up Power (dBm)	21.60	23.20
Reported 1g SAR (W/kg)	1.220	1.290	Reported 1g SAR (W/kg)	0.911	0.916
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	129.24	127.79	Frame Averaged (mW)	91.50	90.47
Linearity SAR (W/kg)	1.206		Linearity SAR (W/kg)	0.901	
% deviation from expected linearity		6.94%	% deviation from expected linearity		1.69%
LTE B41-Linearity Data for Hotspot Ant 0			LTE B41-Linearity Data for Hotspot Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.10	23.70	Maximum Tune up Power (dBm)	19.10	20.70
Reported 1g SAR (W/kg)	1.210	1.291	Reported 1g SAR (W/kg)	0.626	0.620
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	102.66	101.51	Frame Averaged (mW)	51.45	50.87
Linearity SAR (W/kg)	1.196		Linearity SAR (W/kg)	0.619	
% deviation from expected linearity		7.91%	% deviation from expected linearity		0.17%
LTE B41-Linearity Data for Extremity Ant 0			LTE B41-Linearity Data for Extremity Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	23.00	26.00
Reported 10g SAR (W/kg)	1.176	1.615	Reported 10g SAR (W/kg)	1.910	2.539
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	126.30	172.38
Linearity SAR (W/kg)	1.605		Linearity SAR (W/kg)	2.607	
% deviation from expected linearity		0.62%	% deviation from expected linearity		-2.60%

17. Simultaneous Transmission Analysis

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

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO and MIMO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, MediaTek TA-SAR algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. TA-SAR algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. In this Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). 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 5GHz and WLAN 6GHz can't transmit simultaneously.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 2.4GHz Ant.5 and Bluetooth can 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.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- 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 bands. If the co-located analysis within standalone SAR is higher SAR limit (1.6W/kg for 1g SAR, 4.0W/kg for 10g SAR), always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT.
- 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.

19. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 17.5.
20. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis was compliance with KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has no include TER analysis requirement according to KDB 987594.

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

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

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

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

$$\begin{aligned} x \cdot A + y \cdot B + m &\leq 1 \\ x + y &= g \leq 1 \\ g + m &\leq 1 \end{aligned}$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e., PD exposure for 5G FR2 or SAR exposure for 5G FR1), and $B \leq 1.0$.

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

$$x \cdot A + y \cdot B + m \leq 1.0 \quad (1)$$

$$x \cdot A + y \cdot B \leq x \cdot \max(A, B) + (g-x) \cdot \max(A, B) \leq \max(A, B)$$

$$x \cdot A + (g-x) \cdot B + m \leq \max(A, B) + m \leq 1.0 \quad (2)$$

If $A + m \leq 1.0$ and $B + m \leq 1.0$ can be proven, then " $x \cdot A + y \cdot B + m \leq 1.0$ ". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

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

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

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

- i. A and m are decoupled based on the SPLSR criteria, and
- ii. $y \cdot B + m \leq 1.0$, and
- iii. $x \cdot A + y \cdot B \leq 1.0$

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

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



17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6
		WWAN	WLAN2.4GHz Ant 3+5	WLAN2.4GHz Ant 5	WLAN5GHz Ant 7+8	WLAN6GHz Ant 7+8	Bluetooth Ant 3	Bluetooth Ant 3 For Simultaneous	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant 0	Right Cheek	0.316	0.190	0.055	0.223	0.214	0.148	0.015	0.51	0.39	0.69	0.68
	Right Tilted	0.273	0.193	0.056	0.240	0.206	0.148	0.015	0.47	0.34	0.66	0.63
	Left Cheek	0.301	0.382	0.107	0.343	0.323	0.148	0.015	0.68	0.42	0.79	0.77
	Left Tilted	0.294	0.358	0.102	0.345	0.330	0.148	0.015	0.65	0.41	0.79	0.77
All Bands Ant 1	Right Cheek	0.944	0.190	0.055	0.223	0.214	0.148	0.015	1.13	1.01	1.32	1.31
	Right Tilted	0.936	0.193	0.056	0.240	0.206	0.148	0.015	1.13	1.01	1.32	1.29
	Left Cheek	0.785	0.382	0.107	0.343	0.323	0.148	0.015	1.17	0.91	1.28	1.26
	Left Tilted	0.793	0.358	0.102	0.345	0.330	0.148	0.015	1.15	0.91	1.29	1.27
All Bands Ant 2	Right Cheek	0.212	0.190	0.055	0.223	0.214	0.148	0.015	0.40	0.28	0.58	0.57
	Right Tilted	0.225	0.193	0.056	0.240	0.206	0.148	0.015	0.42	0.30	0.61	0.58
	Left Cheek	0.302	0.382	0.107	0.343	0.323	0.148	0.015	0.68	0.42	0.79	0.77
	Left Tilted	0.159	0.358	0.102	0.345	0.330	0.148	0.015	0.52	0.28	0.65	0.64
All Bands Ant 4	Right Cheek	0.922	0.190	0.055	0.223	0.214	0.148	0.015	1.11	0.99	1.29	1.28
	Right Tilted	0.424	0.193	0.056	0.240	0.206	0.148	0.015	0.62	0.50	0.81	0.78
	Left Cheek	0.234	0.382	0.107	0.343	0.323	0.148	0.015	0.62	0.36	0.73	0.71
	Left Tilted	0.188	0.358	0.102	0.345	0.330	0.148	0.015	0.55	0.31	0.68	0.67
All Bands Ant 7	Right Cheek	0.664	0.190	0.055	0.223	0.214	0.148	0.015	0.85	0.73	1.04	1.03
	Right Tilted	0.884	0.193	0.056	0.240	0.206	0.148	0.015	1.08	0.96	1.27	1.24
	Left Cheek	0.845	0.382	0.107	0.343	0.323	0.148	0.015	1.23	0.97	1.34	1.32
	Left Tilted	0.928	0.358	0.102	0.345	0.330	0.148	0.015	1.29	1.05	1.42	1.41
All Bands Ant 8	Right Cheek	0.366	0.190	0.055	0.223	0.214	0.148	0.015	0.56	0.44	0.74	0.73
	Right Tilted	0.440	0.193	0.056	0.240	0.206	0.148	0.015	0.63	0.51	0.83	0.79
	Left Cheek	0.918	0.382	0.107	0.343	0.323	0.148	0.015	1.30	1.04	1.41	1.39
	Left Tilted	0.934	0.358	0.102	0.345	0.330	0.148	0.015	1.29	1.05	1.43	1.41
All Bands Ant 6	Right Cheek	0.908	0.190	0.055	0.223	0.214	0.148	0.015	1.10	0.98	1.28	1.27
	Right Tilted	0.008	0.193	0.056	0.240	0.206	0.148	0.015	0.20	0.08	0.40	0.36
	Left Cheek	0.881	0.382	0.107	0.343	0.323	0.148	0.015	1.26	1.00	1.37	1.35
	Left Tilted	0.008	0.358	0.102	0.345	0.330	0.148	0.015	0.37	0.13	0.50	0.49



17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2	1+3+6	1+4+5	SPLSR
		WWAN	WLAN2.4GHz Ant 3+5	WLAN2.4GHz Ant 5	WLAN5GHz Ant 7+8	Bluetooth Ant 3	Bluetooth Ant 3 For Simultaneous	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
All Bands Ant 0	Left side	0.176	0.036	0.007	0.082	0.007	0.003	0.21	0.19	0.27	
	Right side	0.261	0.727	0.148	0.257	0.012	0.003	0.99	0.41	0.53	
	Top side		0.539	0.109	0.542	0.095	0.003	0.54	0.11	0.64	
	Bottom side	1.382					0.003	1.38	1.39	1.38	
All Bands Ant 1	Front	0.341	0.339	0.070	0.298	0.052	0.003	0.68	0.41	0.69	
	Back	0.634	0.711	0.145	0.732	0.055	0.003	1.35	0.78	1.42	
	Left side	0.248	0.036	0.007	0.082	0.007	0.003	0.28	0.26	0.34	
	Right side	0.091	0.727	0.148	0.257	0.012	0.003	0.82	0.24	0.36	
	Top side	0.633	0.539	0.109	0.542	0.095	0.003	1.17	0.75	1.27	
All Bands Ant 2	Front	0.620	0.339	0.070	0.298	0.052	0.003	0.96	0.69	0.97	
	Back	0.780	0.711	0.145	0.732	0.055	0.003	1.49	0.93	1.57	
	Left side	1.285	0.036	0.007	0.082	0.007	0.003	1.32	1.30	1.37	
	Right side	0.068	0.727	0.148	0.257	0.012	0.003	0.80	0.22	0.34	
	Top side		0.539	0.109	0.542	0.095	0.003	0.54	0.11	0.64	
	Bottom side	0.534					0.003	0.53	0.54	0.53	
All Bands Ant 4	Front	0.289	0.339	0.070	0.298	0.052	0.003	0.63	0.36	0.64	
	Back	0.560	0.711	0.145	0.732	0.055	0.003	1.27	0.71	1.35	
	Left side	0.627	0.036	0.007	0.082	0.007	0.003	0.66	0.64	0.72	
	Right side	0.009	0.727	0.148	0.257	0.012	0.003	0.74	0.16	0.28	
	Top side	0.070	0.539	0.109	0.542	0.095	0.003	0.61	0.18	0.71	
All Bands Ant 7	Front	0.234	0.339	0.070	0.298	0.052	0.003	0.57	0.31	0.58	
	Back	0.643	0.711	0.145	0.732	0.055	0.003	1.35	0.79	1.43	
	Left side	0.031	0.036	0.007	0.082	0.007	0.003	0.07	0.04	0.12	
	Right side	0.054	0.727	0.148	0.257	0.012	0.003	0.78	0.21	0.32	
	Top side	0.628	0.539	0.109	0.542	0.095	0.003	1.17	0.74	1.27	
All Bands Ant 8	Front	0.270	0.339	0.070	0.298	0.052	0.003	0.61	0.34	0.62	
	Back	0.634	0.711	0.145	0.732	0.055	0.003	1.35	0.78	1.42	
	Left side	0.160	0.036	0.007	0.082	0.007	0.003	0.20	0.17	0.25	
	Right side	0.345	0.727	0.148	0.257	0.012	0.003	1.07	0.50	0.61	
	Top side	0.404	0.539	0.109	0.542	0.095	0.003	0.94	0.52	1.04	
All Bands Ant 6	Front	0.168	0.339	0.070	0.298	0.052	0.003	0.51	0.24	0.52	
	Back	0.213	0.711	0.145	0.732	0.055	0.003	0.92	0.36	1.00	
	Left side	0.683	0.036	0.007	0.082	0.007	0.003	0.72	0.69	0.77	
	Right side		0.727	0.148	0.257	0.012	0.003	0.73	0.15	0.27	
	Top side		0.539	0.109	0.542	0.095	0.003	0.54	0.11	0.64	
GSM850 Ant 0	Front	0.683	0.339	0.070	0.298	0.052	0.003	1.02	0.76	1.03	
	Back	1.279	0.711	0.145	0.732	0.055	0.003	1.99	1.43	2.07	1/2
GSM1900 Ant 0	Front	0.600	0.339	0.070	0.298	0.052	0.003	0.94	0.67	0.95	
	Back	0.750	0.711	0.145	0.732	0.055	0.003	1.46	0.90	1.54	
WCDMA II Ant 0	Front	0.518	0.339	0.070	0.298	0.052	0.003	0.86	0.59	0.87	
	Back	0.647	0.711	0.145	0.732	0.055	0.003	1.36	0.80	1.43	
WCDMA IV Ant 0	Front	0.538	0.339	0.070	0.298	0.052	0.003	0.88	0.61	0.89	
	Back	0.687	0.711	0.145	0.732	0.055	0.003	1.40	0.84	1.47	
WCDMA V Ant 0	Front	0.686	0.339	0.070	0.298	0.052	0.003	1.03	0.76	1.04	
	Back	1.146	0.711	0.145	0.732	0.055	0.003	1.86	1.29	1.93	3/4
LTE Band 2 Ant 0	Front	0.559	0.339	0.070	0.298	0.052	0.003	0.90	0.63	0.91	
	Back	0.692	0.711	0.145	0.732	0.055	0.003	1.40	0.84	1.48	
LTE Band 66 Ant 0	Front	0.773	0.339	0.070	0.298	0.052	0.003	1.11	0.85	1.12	
	Back	0.909	0.711	0.145	0.732	0.055	0.003	1.62	1.06	1.70	5/6



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LTE Band 26 Ant 0	Front	0.656	0.339	0.070	0.298	0.052	0.003	1.00	0.73	1.01	
	Back	1.282	0.711	0.145	0.732	0.055	0.003	1.99	1.43	2.07	7/8
LTE Band 7 Ant 0	Front	0.551	0.339	0.070	0.298	0.052	0.003	0.89	0.62	0.90	
	Back	0.908	0.711	0.145	0.732	0.055	0.003	1.62	1.06	1.70	9/10
LTE Band 12 Ant 0	Front	0.318	0.339	0.070	0.298	0.052	0.003	0.66	0.39	0.67	
	Back	0.510	0.711	0.145	0.732	0.055	0.003	1.22	0.66	1.30	
LTE Band 13 Ant 0	Front	0.625	0.339	0.070	0.298	0.052	0.003	0.96	0.70	0.98	
	Back	1.077	0.711	0.145	0.732	0.055	0.003	1.79	1.23	1.86	11/12
LTE Band 38 Ant 0	Front	0.617	0.339	0.070	0.298	0.052	0.003	0.96	0.69	0.97	
	Back	1.014	0.711	0.145	0.732	0.055	0.003	1.73	1.16	1.80	13/14
LTE Band 41 Ant 0	Front	0.458	0.339	0.070	0.298	0.052	0.003	0.80	0.53	0.81	
	Back	0.805	0.711	0.145	0.732	0.055	0.003	1.52	0.95	1.59	
FR1 n2 Ant 0	Front	0.557	0.339	0.070	0.298	0.052	0.003	0.90	0.63	0.91	
	Back	0.674	0.711	0.145	0.732	0.055	0.003	1.39	0.82	1.46	
FR1 n5 Ant 0	Front	0.713	0.339	0.070	0.298	0.052	0.003	1.05	0.79	1.06	
	Back	1.130	0.711	0.145	0.732	0.055	0.003	1.84	1.28	1.92	15/16
FR1 n7 Ant 0	Front	0.473	0.339	0.070	0.298	0.052	0.003	0.81	0.55	0.82	
	Back	0.902	0.711	0.145	0.732	0.055	0.003	1.61	1.05	1.69	17/18
FR1 n66 Ant 0	Front	0.679	0.339	0.070	0.298	0.052	0.003	1.02	0.75	1.03	
	Back	0.797	0.711	0.145	0.732	0.055	0.003	1.51	0.95	1.58	
FR1 n38 Ant 0	Front	0.599	0.339	0.070	0.298	0.052	0.003	0.94	0.67	0.95	
	Back	0.888	0.711	0.145	0.732	0.055	0.003	1.60	1.04	1.68	19/20
FR1 n38 Ant 2	Front	0.430	0.339	0.070	0.298	0.052	0.003	0.77	0.50	0.78	
	Back	0.780	0.711	0.145	0.732	0.055	0.003	1.49	0.93	1.57	
FR1 n41 Ant 0	Front	0.550	0.339	0.070	0.298	0.052	0.003	0.89	0.62	0.90	
	Back	0.949	0.711	0.145	0.732	0.055	0.003	1.66	1.10	1.74	21/22

17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6	SPLSR
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3+5 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 7+8 1g SAR (W/kg)	WLAN6GHz Ant 7+8 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 3 For Simultaneous 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
All Bands Ant 1	Front	0.561	0.183	0.064	0.149	0.143	0.126	0.006	0.74	0.63	0.84	0.83	
	Back	0.979	0.385	0.135	0.357	0.273	0.134	0.009	1.36	1.12	1.47	1.39	
All Bands Ant 2	Front	1.122	0.183	0.064	0.149	0.143	0.126	0.006	1.31	1.19	1.40	1.39	
	Back	1.097	0.385	0.135	0.357	0.273	0.134	0.009	1.48	1.24	1.59	1.50	
All Bands Ant 4	Front	0.367	0.183	0.064	0.149	0.143	0.126	0.006	0.55	0.44	0.64	0.64	
	Back	0.938	0.385	0.135	0.357	0.273	0.134	0.009	1.32	1.08	1.43	1.35	
All Bands Ant 7	Front	0.443	0.183	0.064	0.149	0.143	0.126	0.006	0.63	0.51	0.72	0.71	
	Back	0.925	0.385	0.135	0.357	0.273	0.134	0.009	1.31	1.07	1.42	1.33	
All Bands Ant 8	Front	0.589	0.183	0.064	0.149	0.143	0.126	0.006	0.77	0.66	0.86	0.86	
	Back	0.933	0.385	0.135	0.357	0.273	0.134	0.009	1.32	1.08	1.42	1.34	
All Bands Ant 6	Front	0.732	0.183	0.064	0.149	0.143	0.126	0.006	0.92	0.80	1.01	1.00	
	Back	0.931	0.385	0.135	0.357	0.273	0.134	0.009	1.32	1.08	1.42	1.34	
GSM850 Ant 0	Front	0.683	0.183	0.064	0.149	0.143	0.126	0.006	0.87	0.75	0.96	0.95	
	Back	1.279	0.385	0.135	0.357	0.273	0.134	0.009	1.66	1.42	1.77	1.69	1/2/3
GSM1900 Ant 0	Front	1.026	0.183	0.064	0.149	0.143	0.126	0.006	1.21	1.10	1.30	1.30	
	Back	1.286	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.69	4/5/6
WCDMA II Ant 0	Front	1.028	0.183	0.064	0.149	0.143	0.126	0.006	1.21	1.10	1.30	1.30	
	Back	1.283	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.77	1.69	7/8/9
WCDMA IV Ant 0	Front	1.030	0.183	0.064	0.149	0.143	0.126	0.006	1.21	1.10	1.31	1.30	
	Back	1.278	0.385	0.135	0.357	0.273	0.134	0.009	1.66	1.42	1.77	1.69	10/11/12
WCDMA V Ant 0	Front	0.686	0.183	0.064	0.149	0.143	0.126	0.006	0.87	0.76	0.96	0.96	
	Back	1.146	0.385	0.135	0.357	0.273	0.134	0.009	1.53	1.29	1.64	1.55	13
LTE Band 2 Ant 0	Front	1.032	0.183	0.064	0.149	0.143	0.126	0.006	1.22	1.10	1.31	1.30	
	Back	1.269	0.385	0.135	0.357	0.273	0.134	0.009	1.65	1.41	1.76	1.68	14/15/16
LTE Band 66 Ant 0	Front	1.130	0.183	0.064	0.149	0.143	0.126	0.006	1.31	1.20	1.41	1.40	
	Back	1.290	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.43	1.78	1.70	17/18/19
LTE Band 26 Ant 0	Front	0.656	0.183	0.064	0.149	0.143	0.126	0.006	0.84	0.73	0.93	0.93	
	Back	1.282	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.77	1.69	20/21/22
LTE Band 7 Ant 0	Front	0.782	0.183	0.064	0.149	0.143	0.126	0.006	0.97	0.85	1.06	1.05	
	Back	1.289	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.70	23/24/25
LTE Band 12 Ant 0	Front	0.318	0.183	0.064	0.149	0.143	0.126	0.006	0.50	0.39	0.59	0.59	
	Back	0.510	0.385	0.135	0.357	0.273	0.134	0.009	0.90	0.65	1.00	0.92	
LTE Band 13 Ant 0	Front	0.625	0.183	0.064	0.149	0.143	0.126	0.006	0.81	0.70	0.90	0.89	
	Back	1.077	0.385	0.135	0.357	0.273	0.134	0.009	1.46	1.22	1.57	1.48	
LTE Band 38 Ant 0	Front	0.788	0.183	0.064	0.149	0.143	0.126	0.006	0.97	0.86	1.06	1.06	
	Back	1.294	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.44	1.79	1.70	26/27/28
LTE Band 41 Ant 0	Front	0.842	0.183	0.064	0.149	0.143	0.126	0.006	1.03	0.91	1.12	1.11	
	Back	1.290	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.43	1.78	1.70	29/30/31
FR1 n2 Ant 0	Front	1.062	0.183	0.064	0.149	0.143	0.126	0.006	1.25	1.13	1.34	1.33	
	Back	1.286	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.69	32/33/34
FR1 n5 Ant 0	Front	0.713	0.183	0.064	0.149	0.143	0.126	0.006	0.90	0.78	0.99	0.98	
	Back	1.131	0.385	0.135	0.357	0.273	0.134	0.009	1.52	1.28	1.62	1.54	35
FR1 n7 Ant 0	Front	0.681	0.183	0.064	0.149	0.143	0.126	0.006	0.86	0.75	0.96	0.95	
	Back	1.290	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.43	1.78	1.70	36/37/38
FR1 n66 Ant 0	Front	1.089	0.183	0.064	0.149	0.143	0.126	0.006	1.27	1.16	1.36	1.36	
	Back	1.276	0.385	0.135	0.357	0.273	0.134	0.009	1.66	1.42	1.77	1.68	39/40/41
FR1 n38 Ant 0	Front	0.853	0.183	0.064	0.149	0.143	0.126	0.006	1.04	0.92	1.13	1.12	
	Back	1.268	0.385	0.135	0.357	0.273	0.134	0.009	1.65	1.41	1.76	1.68	42/43/44
FR1 n41 Ant 0	Front	0.745	0.183	0.064	0.149	0.143	0.126	0.006	0.93	0.82	1.02	1.01	
	Back	1.286	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.69	45/46/47

17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

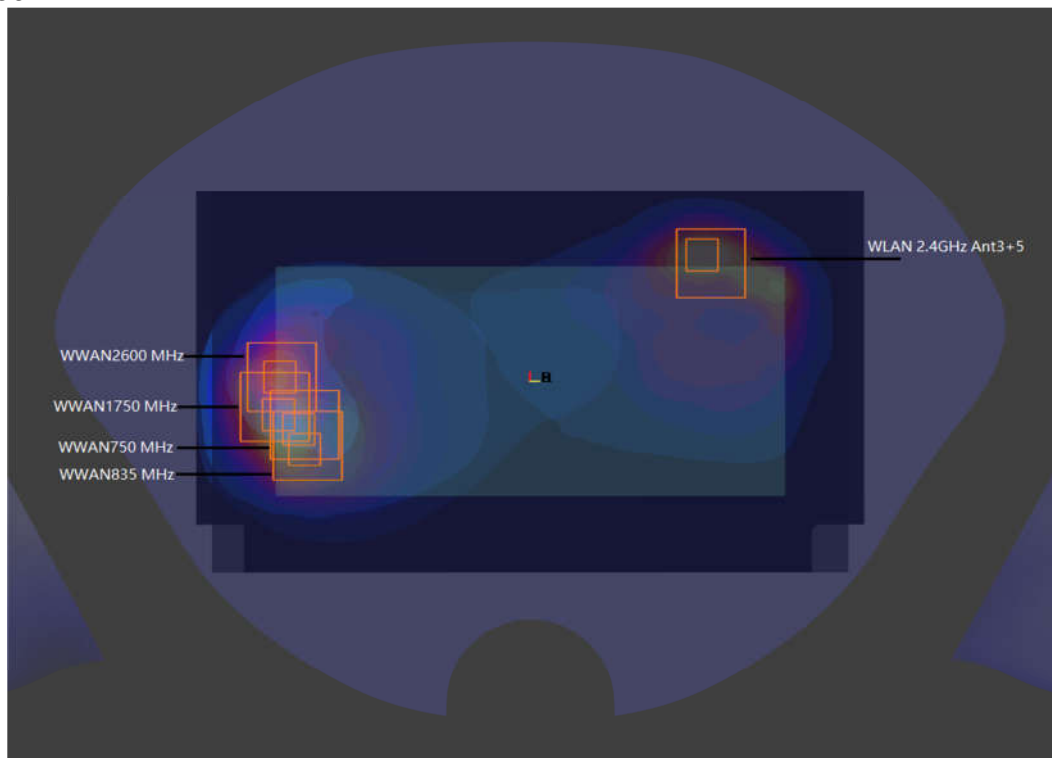
WWAN Band	Exposure Position	1	2	3	4	5	1+2+5	1+3+5	1+4+5
		WWAN	WLAN2.4GHz Ant 3+5	WLAN5GHz Ant 7+8	WLAN6GHz Ant 7+8	NFC	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All Bands Ant 0	Front	2.801		0.811	0.258	0.003	2.80	3.62	3.06
	Back	3.058	0.492	0.891	0.111	0.030	3.58	3.98	3.20
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side		0.417	0.980	0.408		0.42	0.98	0.41
	Bottom side	3.434					3.43	3.43	3.43
All Bands Ant 1	Front	1.630		0.811	0.258	0.003	1.63	2.44	1.89
	Back	2.427	0.492	0.891	0.111	0.030	2.95	3.35	2.57
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	2.539	0.417	0.980	0.408		2.96	3.52	2.95
All Bands Ant 2	Front			0.811	0.258	0.003	0.00	0.81	0.26
	Back		0.492	0.891	0.111	0.030	0.52	0.92	0.14
	Left side	3.038		0.179	0.010	0.001	3.04	3.22	3.05
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side		0.417	0.980	0.408		0.42	0.98	0.41
All Bands Ant 4	Front	0.910		0.811	0.258	0.003	0.91	1.72	1.17
	Back	1.972	0.492	0.891	0.111	0.030	2.49	2.89	2.11
	Left side	2.472		0.179	0.010	0.001	2.47	2.65	2.48
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	0.246	0.417	0.980	0.408		0.66	1.23	0.65
All Bands Ant 7	Front	1.694		0.811	0.258	0.003	1.70	2.51	1.96
	Back	1.798	0.492	0.891	0.111	0.030	2.32	2.72	1.94
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	2.472	0.417	0.980	0.408		2.89	3.45	2.88
All Bands Ant 8	Front			0.811	0.258	0.003	0.00	0.81	0.26
	Back	0.833	0.492	0.891	0.111	0.030	1.36	1.75	0.97
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	1.473	0.417	0.980	0.408		1.89	2.45	1.88
All Bands Ant 6	Front			0.811	0.258	0.003	0.00	0.81	0.26
	Back	0.776	0.492	0.891	0.111	0.030	1.30	1.70	0.92
	Left side	2.609		0.179	0.010	0.001	2.61	2.79	2.62
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side		0.417	0.980	0.408		0.42	0.98	0.41

17.6 SPLSR Evaluation and Analysis

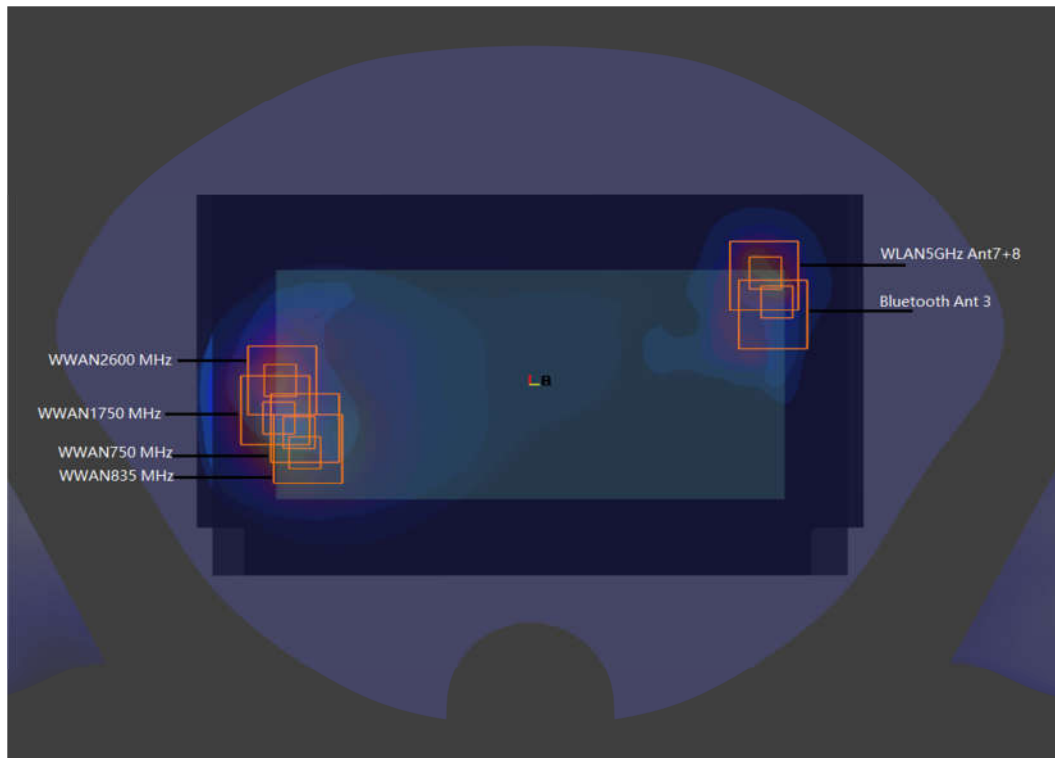
General Note:

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. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WLAN band antenna 7/8 was summed algebraically with the BT Antenna 3 separately 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.

Hotspot

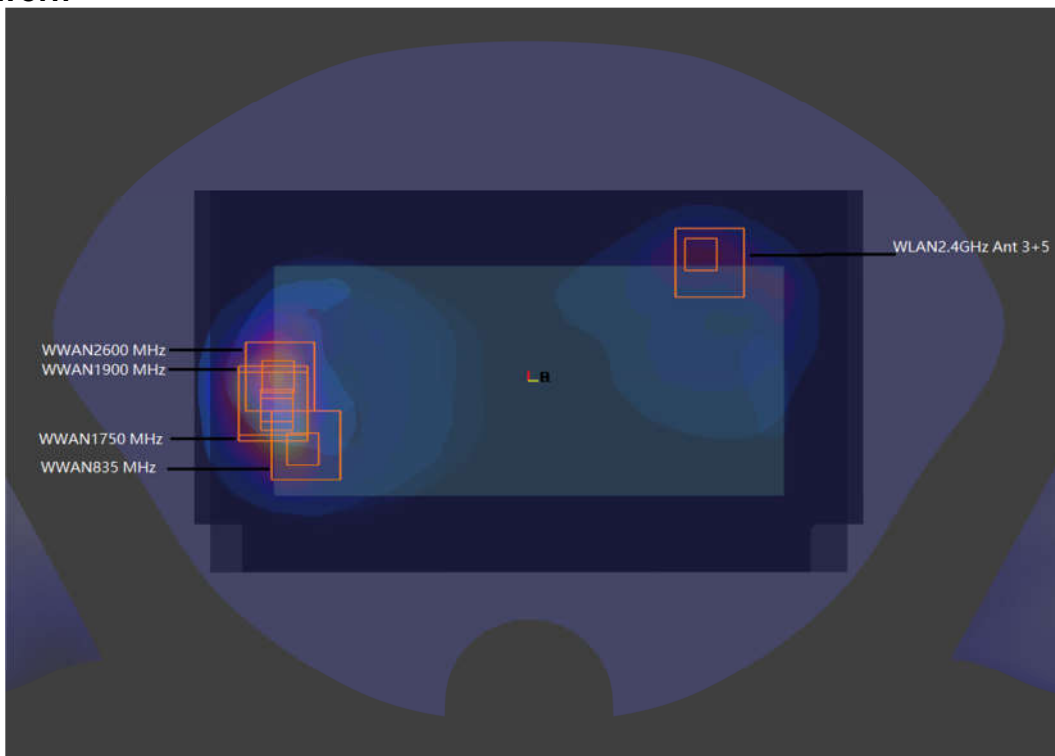


WWAN Ant0+WLAN2.4G Ant3+5 Back 5mm

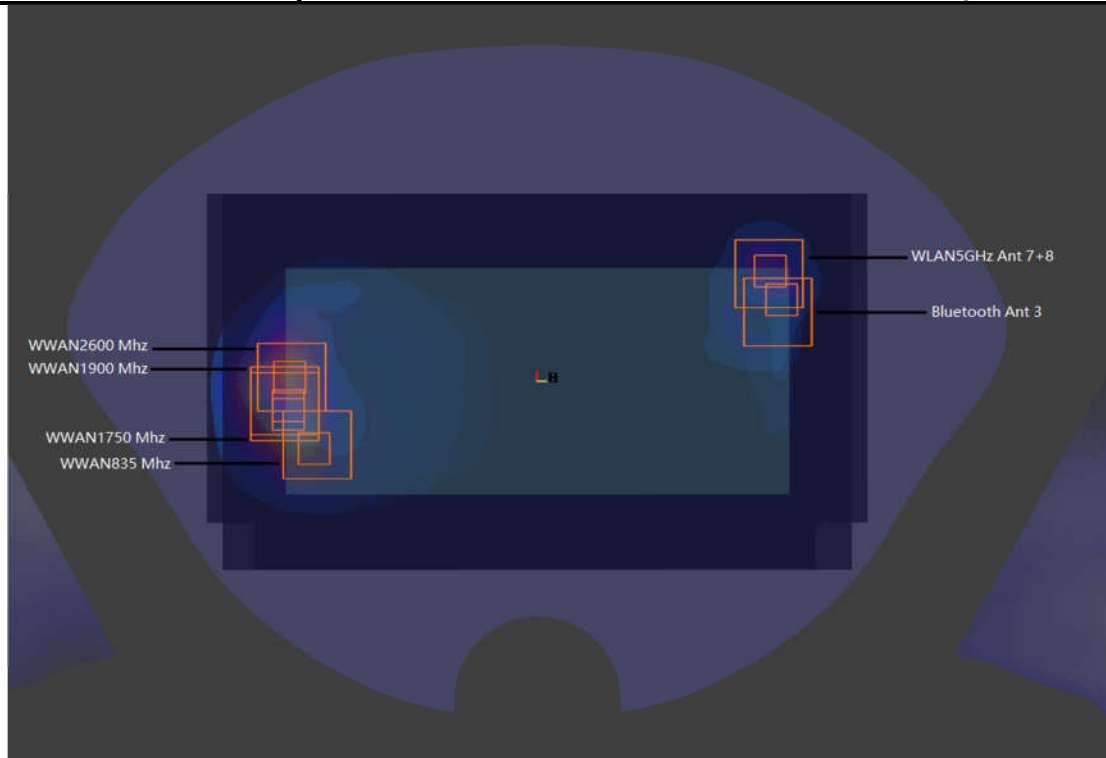


WWAN Ant0+WLAN5G Ant7+8+Bluetooth Back 5mm

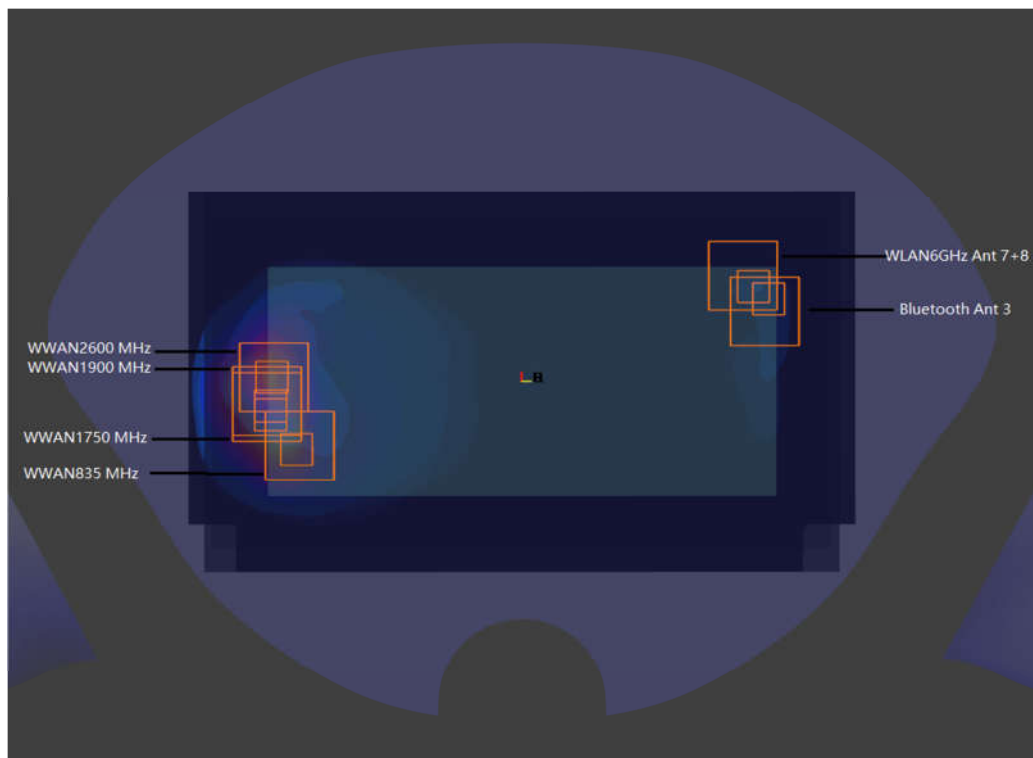
Body worn



WWAN Ant0+WLAN2.4G Ant3+5 Back 5mm



WWAN Ant0+WLAN5G Ant7+8+Bluetooth Back 5mm



WWAN Ant0+WLAN6G Ant7+8+Bluetooth Back 5mm



For Hotspot

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)	(mm)	X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	141.5	1.99	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 2	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	158.2	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	159.6	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 3	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	142.0	1.86	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 4	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	158.3	1.93	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	159.5	1.93	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 5	LTE Band 66 Ant 0	Back	0.909	0.909	5mm	-22.3	-79.9	-207	140.1	1.62	0.01	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 6	LTE Band 66 Ant 0	Back	0.909	0.909	5mm	-22.3	-79.9	-207	158.1	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 66 Ant 0	Back	0.909	0.909	5mm	-22.3	-79.9	-207	160.4	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	142.0	1.99	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 8	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	158.5	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	159.7	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 9	LTE Band 7 Ant 0	Back	0.908	0.908	5mm	-30	-79.5	-207	137.5	1.62	0.02	Not required



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	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 10	LTE Band 7 Ant 0	Back	0.908	0.908	5mm	-30	-79.5	-207	156.1	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 7 Ant 0	Back	0.908	0.908	5mm	-30	-79.5	-207	158.8	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 11	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-9.9	-77.6	-207	142.2	1.79	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 12	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-9.9	-77.6	-207	159.2	1.86	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-9.9	-77.6	-207	160.8	1.86	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 13	LTE Band 38 Ant 0	Back	1.014	1.014	5mm	-25.5	-86	-207	145.0	1.73	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 14	LTE Band 38 Ant 0	Back	1.014	1.014	5mm	-25.5	-86	-207	163.4	1.80	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 38 Ant 0	Back	1.014	1.014	5mm	-25.5	-86	-207	165.9	1.80	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 15	FR1 n5 Ant 0	Back	1.130	1.130	5mm	-6.4	-75.1	-207	141.3	1.84	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 16	FR1 n5 Ant 0	Back	1.130	1.130	5mm	-6.4	-75.1	-207	158.0	1.92	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	FR1 n5 Ant 0	Back	1.130	1.130	5mm	-6.4	-75.1	-207	159.3	1.92	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 17	FR1 n7 Ant 0	Back	0.902	0.902	5mm	-25.5	-79.5	-207	138.7	1.61	0.01	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 18	FR1 n7 Ant 0	Back	0.902	0.902	5mm	-25.5	-79.5	-207	157.0	1.69	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				



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	Bluetooth Ant 3		0.055		5mm							
	FR1 n7 Ant 0	Back	0.902	0.902	5mm	-25.5	-79.5	-207	159.5	1.69	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 19	FR1 n38 Ant 0	Back	0.888	0.888	5mm	-28	-79.5	-207	138.1	1.60	0.01	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 20	FR1 n38 Ant 0	Back	0.888	0.888	5mm	-28	-79.5	-207	156.5	1.68	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055	0.787	5mm							
	FR1 n38 Ant 0	Back	0.888	0.888	5mm	-28	-79.5	-207	159.1	1.68	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055	0.787	5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 21	FR1 n41 Ant 0	Back	0.949	0.949	5mm	-29.5	-78.5	-207	136.7	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 22	FR1 n41 Ant 0	Back	0.949	0.949	5mm	-29.5	-78.5	-207	155.2	1.74	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055	0.787	5mm							
	FR1 n41 Ant 0	Back	0.949	0.949	5mm	-29.5	-78.5	-207	157.9	1.74	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055	0.787	5mm	-50.5	78	-207				



For Body

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	141.5	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 2	GSM850 Ant 0	Back	1.279	0.491	5mm	-7.1	-75.6	-207	158.2	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	GSM850 Ant 0	Back	1.279	0.491	5mm	-7.1	-75.6	-207	159.6	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 3	GSM850 Ant 0	Back	1.279	0.407	5mm	-7.1	-75.6	-207	153.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	GSM850 Ant 0	Back	1.279	0.407	5mm	-7.1	-75.6	-207	159.6	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 4	GSM1900 Ant 0	Back	1.286	1.286	5mm	-27.4	-80.8	-207	139.5	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 5	GSM1900 Ant 0	Back	1.286	0.491	5mm	-27.4	-80.8	-207	157.9	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	GSM1900 Ant 0	Back	1.286	0.491	5mm	-27.4	-80.8	-207	160.5	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 6	GSM1900 Ant 0	Back	1.286	0.407	5mm	-27.4	-80.8	-207	153.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	GSM1900 Ant 0	Back	1.286	0.407	5mm	-27.4	-80.8	-207	160.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	140.8	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 8	WCDMA II Ant 0	Back	1.283	0.491	5mm	-19.8	-79.9	-207	158.7	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA II Ant 0	Back	1.283	0.491	5mm	-19.8	-79.9	-207	160.9	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



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Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 9	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	154.2	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	160.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 10	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	141.6	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 11	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	159.4	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	161.5	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 12	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	154.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	161.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 13	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	158.3	1.64	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	159.5	1.64	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 14	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	139.4	1.65	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 15	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	157.5	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	159.9	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 16	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	153.1	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	159.9	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							



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	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 17	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	140.1	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 18	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	158.1	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	160.4	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 19	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	153.6	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	160.4	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 20	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	142.0	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 21	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	158.5	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	159.7	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 22	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	153.7	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	159.7	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 23	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	137.5	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 24	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	156.1	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	158.8	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



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Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 25	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	151.8	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	158.8	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 26	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	145.0	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 27	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	163.4	1.79	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	165.9	1.79	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 28	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	159.0	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	165.9	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	136.7	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	155.3	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	158.1	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 31	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	151.0	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	158.1	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 32	FR1 n2 Ant 0	Back	1.286	1.286	5mm	-19.8	-80.4	-207	141.3	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



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Case 33	FR1 n2 Ant 0	Back	1.286	1.286	5mm	-19.8	-80.4	-207	159.2	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n2 Ant 0	Back	1.286	1.286	5mm	-19.8	-80.4	-207	161.3	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 34	FR1 n2 Ant 0	Back	1.286	1.286	5mm	-19.8	-80.4	-207	154.7	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n2 Ant 0	Back	1.286	1.286	5mm	-19.8	-80.4	-207	161.3	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 35	FR1 n5 Ant 0	Back	1.131	1.131	5mm	-6.4	-75.1	-207	158.0	1.62	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n5 Ant 0	Back	1.131	1.131	5mm	-6.4	-75.1	-207	159.3	1.62	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 36	FR1 n7 Ant 0	Back	1.290	1.290	5mm	-25.5	-79.5	-207	138.7	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 37	FR1 n7 Ant 0	Back	1.290	1.290	5mm	-25.5	-79.5	-207	157.0	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n7 Ant 0	Back	1.290	1.290	5mm	-25.5	-79.5	-207	159.5	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 38	FR1 n7 Ant 0	Back	1.290	1.290	5mm	-25.5	-79.5	-207	152.6	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n7 Ant 0	Back	1.290	1.290	5mm	-25.5	-79.5	-207	159.5	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 39	FR1 n66 Ant 0	Back	1.276	1.276	5mm	-21.6	-79.6	-207	140.0	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 40	FR1 n66 Ant 0	Back	1.276	1.276	5mm	-21.6	-79.6	-207	158.0	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n66 Ant 0	Back	1.276	1.276	5mm	-21.6	-79.6	-207	160.2	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				



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Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 41	FR1 n66 Ant 0	Back	1.276	1.276	5mm	-21.6	-79.6	-207	153.5	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n66 Ant 0	Back	1.276	1.276	5mm	-21.6	-79.6	-207	160.2	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 42	FR1 n38 Ant 0	Back	1.268	1.268	5mm	-28	-79.5	-207	138.1	1.65	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 43	FR1 n38 Ant 0	Back	1.268	1.268	5mm	-28	-79.5	-207	156.5	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n38 Ant 0	Back	1.268	1.268	5mm	-28	-79.5	-207	159.1	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 44	FR1 n38 Ant 0	Back	1.268	1.268	5mm	-28	-79.5	-207	152.1	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n38 Ant 0	Back	1.268	1.268	5mm	-28	-79.5	-207	159.1	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 45	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-29.5	-78.5	-207	136.7	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 46	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-29.5	-78.5	-207	155.2	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-29.5	-78.5	-207	157.9	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 47	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-29.5	-78.5	-207	150.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	FR1 n41 Ant 0	Back	1.286	1.286	5mm	-29.5	-78.5	-207	157.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				

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



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"
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- [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.
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- [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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