



FCC SAR Test Report

Report No. : FA4O2501

	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	20175	1732.5	19.56	20.90	1.361	-	-	-0.16	0.195	0.265
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	20175	1732.5	19.55	20.90	1.365	-	-	0.05	0.204	0.278
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	20175	1732.5	19.56	20.90	1.361	-	-	0.08	0.255	0.347
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	20175	1732.5	19.55	20.90	1.365	-	-	-0.18	0.272	0.371
	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	20175	1732.5	19.56	20.90	1.361	-	-	-0.03	0.444	0.604
	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	20175	1732.5	19.55	20.90	1.365	-	-	-0.05	0.476	0.650
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	20175	1732.5	19.56	20.90	1.361	-	-	-0.09	0.041	0.056
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	20175	1732.5	19.55	20.90	1.365	-	-	0.18	0.040	0.055
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	20175	1732.5	17.53	19.00	1.403	-	-	0.11	0.258	0.362
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	132322	1745	20.24	20.70	1.112	-	-	0.14	0.181	0.201
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	132322	1745	20.21	20.70	1.119	-	-	-0.01	0.181	0.203
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	132322	1745	20.24	20.70	1.112	-	-	-0.12	0.279	0.310
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	132322	1745	20.21	20.70	1.119	-	-	0.07	0.283	0.317
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	132322	1745	20.24	20.70	1.112	-	-	0.09	0.178	0.198
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	132322	1745	20.21	20.70	1.119	-	-	0.04	0.169	0.189
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	132322	1745	20.24	20.70	1.112	-	-	0.11	0.388	0.431
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	132322	1745	20.21	20.70	1.119	-	-	0.01	0.398	0.446
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	132322	1745	16.81	18.10	1.346	-	-	0.07	0.117	0.157
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	132322	1745	16.79	18.10	1.352	-	-	-0.03	0.115	0.155
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	132322	1745	16.81	18.10	1.346	-	-	0.09	0.141	0.190
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	132322	1745	16.79	18.10	1.352	-	-	-0.08	0.145	0.196
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	132322	1745	16.81	18.10	1.346	-	-	-0.05	0.240	0.323
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	132322	1745	16.79	18.10	1.352	-	-	-0.03	0.246	0.333
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	132322	1745	16.81	18.10	1.346	-	-	0.17	0.044	0.059
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	132322	1745	16.79	18.10	1.352	-	-	-0.14	0.000	0.000
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	132322	1745	14.47	15.50	1.268	-	-	0.06	0.163	0.207
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	132322	1745	20.61	21.20	1.146	-	-	-0.15	0.315	0.361
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	132322	1745	20.51	21.20	1.172	-	-	-0.12	0.312	0.366
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	132322	1745	20.61	21.20	1.146	-	-	-0.16	0.412	0.472
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	132322	1745	20.51	21.20	1.172	-	-	-0.03	0.422	0.495
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	132322	1745	20.61	21.20	1.146	-	-	0.17	0.214	0.245
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	132322	1745	20.51	21.20	1.172	-	-	0.02	0.198	0.232
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	132322	1745	20.61	21.20	1.146	-	-	-0.17	0.010	0.011
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	132322	1745	20.51	21.20	1.172	-	-	0.18	0.006	0.007
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	132322	1745	20.61	21.20	1.146	-	-	-0.11	0.659	0.755
51	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	132322	1745	20.51	21.20	1.172	-	-	-0.02	0.672	0.788
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	132322	1745	18.10	19.60	1.413	-	-	-0.04	0.477	0.674
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	132322	1745	18.99	20.50	1.416	-	-	0.1	0.188	0.266
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	132322	1745	18.95	20.50	1.429	-	-	-0.14	0.183	0.261
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	132322	1745	18.99	20.50	1.416	-	-	0.01	0.251	0.355
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	132322	1745	18.95	20.50	1.429	-	-	0.18	0.242	0.346
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	132322	1745	18.99	20.50	1.416	-	-	0.02	0.430	0.609
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	132322	1745	18.95	20.50	1.429	-	-	-0.05	0.437	0.624
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	132322	1745	18.99	20.50	1.416	-	-	0.06	0.010	0.014
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	132322	1745	18.95	20.50	1.429	-	-	-0.02	0.006	0.009
	LTE Band 66_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	132322	1745	17.13	18.60	1.403	-	-	0.07	0.251	0.352
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	349000	1745	18.35	18.70	1.084	-	-	0.08	0.116	0.126
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	349000	1745	18.33	18.70	1.089	-	-	0.01	0.121	0.132
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	349000	1745	18.35	18.70	1.084	-	-	-0.13	0.187	0.203
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	349000	1745	18.33	18.70	1.089	-	-	-0.1	0.195	0.212
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	349000	1745	18.35	18.70	1.084	-	-	-0.07	0.104	0.113
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	349000	1745	18.33	18.70	1.089	-	-	0.11	0.109	0.119
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	349000	1745	18.35	18.70	1.084	-	-	0.01	0.273	0.296
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	349000	1745	18.33	18.70	1.089	-	-	0.01	0.243	0.265
	FR1 n66_Other PA	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	349000	1745	14.89	15.80	1.233	-	-	0.1	0.166	0.205
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	349000	1745	16.28	16.80	1.127	-	-	-0.07	0.117	0.132



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	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	349000	1745	16.25	16.80	1.135	-	-	0.18	0.111	0.126
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	349000	1745	16.28	16.80	1.127	-	-	0.12	0.109	0.123
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	349000	1745	16.25	16.80	1.135	-	-	0.07	0.113	0.128
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	349000	1745	16.28	16.80	1.127	-	-	-0.02	0.232	0.262
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	349000	1745	16.25	16.80	1.135	-	-	0.14	0.222	0.252
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	349000	1745	16.28	16.80	1.127	-	-	-0.03	0.036	0.041
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	349000	1745	16.25	16.80	1.135	-	-	-0.14	0.032	0.036
	FR1 n66_Main PA	45M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	349000	1745	14.34	14.90	1.138	-	-	0.01	0.153	0.174
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	349000	1745	20.56	21.00	1.107	-	-	0.07	0.293	0.324
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	349000	1745	20.54	21.00	1.112	-	-	-0.04	0.248	0.276
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	349000	1745	20.56	21.00	1.107	-	-	-0.18	0.386	0.427
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	349000	1745	20.54	21.00	1.112	-	-	-0.13	0.332	0.369
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	349000	1745	20.56	21.00	1.107	-	-	-0.13	0.191	0.211
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	349000	1745	20.54	21.00	1.112	-	-	0.14	0.158	0.176
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	349000	1745	20.56	21.00	1.107	-	-	-0.04	0.010	0.011
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	349000	1745	20.54	21.00	1.112	-	-	-0.15	0.008	0.009
52	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	349000	1745	20.56	21.00	1.107	-	-	-0.09	0.683	0.756
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	349000	1745	20.54	21.00	1.112	-	-	0.05	0.601	0.668
	FR1 n66_Main PA	45M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	349000	1745	18.38	19.20	1.208	-	-	-0.06	0.421	0.508
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	349000	1745	18.65	19.70	1.274	-	-	0.15	0.189	0.241
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	349000	1745	18.63	19.70	1.279	-	-	-0.05	0.182	0.233
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	349000	1745	18.65	19.70	1.274	-	-	-0.07	0.265	0.337
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	349000	1745	18.63	19.70	1.279	-	-	0.1	0.230	0.294
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	349000	1745	18.65	19.70	1.274	-	-	-0.02	0.447	0.569
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	349000	1745	18.63	19.70	1.279	-	-	-0.1	0.393	0.503
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	349000	1745	18.65	19.70	1.274	-	-	0.04	0.027	0.034
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	349000	1745	18.63	19.70	1.279	-	-	-0.05	0.026	0.033
	FR1 n66_Main PA	45M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	349000	1745	17.55	18.60	1.274	-	-	-0.04	0.326	0.415
1900MHz																				
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	10mm	Ant 5	DSI 5	661	1880	22.85	24.00	1.303	-	-	-0.15	0.169	0.220
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	10mm	Ant 5	DSI 5	661	1880	22.85	24.00	1.303	-	-	0.03	0.269	0.351
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	10mm	Ant 5	DSI 5	661	1880	22.85	24.00	1.303	-	-	-0.13	0.201	0.262
53	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Top Side	10mm	Ant 5	DSI 5	661	1880	22.85	24.00	1.303	-	-	0.01	0.353	0.460
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	10mm	Ant 4	DSI 5	661	1880	20.74	22.50	1.500	-	-	0.07	0.122	0.183
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	10mm	Ant 4	DSI 5	661	1880	20.74	22.50	1.500	-	-	-0.09	0.196	0.294
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	10mm	Ant 4	DSI 5	661	1880	20.74	22.50	1.500	-	-	0.01	0.275	0.412
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Top Side	10mm	Ant 4	DSI 5	661	1880	20.74	22.50	1.500	-	-	-0.16	0.010	0.015
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 5	DSI 5	9400	1880	19.63	20.50	1.222	-	-	-0.09	0.161	0.197
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 5	DSI 5	9400	1880	19.63	20.50	1.222	-	-	-0.09	0.285	0.348
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 5	DSI 5	9400	1880	19.63	20.50	1.222	-	-	-0.12	0.207	0.253
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 5	DSI 5	9400	1880	19.63	20.50	1.222	-	-	-0.06	0.395	0.483
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 4	DSI 5	9400	1880	16.78	18.20	1.387	-	-	0.09	0.118	0.164
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 4	DSI 5	9400	1880	16.78	18.20	1.387	-	-	0.13	0.164	0.227
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 4	DSI 5	9400	1880	16.78	18.20	1.387	-	-	-0.08	0.248	0.344
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 4	DSI 5	9400	1880	16.78	18.20	1.387	-	-	0.08	0.008	0.011
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 6	DSI 5	9400	1880	21.18	22.30	1.294	-	-	0.12	0.326	0.422
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 6	DSI 5	9400	1880	21.18	22.30	1.294	-	-	0.09	0.427	0.553
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 6	DSI 5	9400	1880	21.18	22.30	1.294	-	-	-0.02	0.243	0.314
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 6	DSI 5	9400	1880	21.18	22.30	1.294	-	-	-0.16	0.054	0.070
54	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 6	DSI 5	9400	1880	21.18	22.30	1.294	-	-	-0.02	0.772	0.999
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 6	DSI 5	9262	1852.4	21.16	22.30	1.300	-	-	-0.06	0.763	0.992
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 6	DSI 5	9538	1907.6	21.07	22.30	1.327	-	-	0.08	0.703	0.933
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 7	DSI 5	9400	1880	19.96	21.30	1.361	-	-	0.11	0.247	0.336
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 7	DSI 5	9400	1880	19.96	21.30	1.361	-	-	-0.13	0.300	0.408
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 7	DSI 5	9400	1880	19.96	21.30	1.361	-	-	-0.01	0.591	0.805
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 7	DSI 5	9262	1852.4	19.94	21.30	1.368	-	-	0.06	0.566	0.774



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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 7	DSI 5	9538	1907.6	19.85	21.30	1.396	-	-	-0.18	0.574	0.802
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 7	DSI 5	9400	1880	19.96	21.30	1.361	-	-	0.17	0.010	0.014
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	18900	1880	19.76	20.50	1.186	-	-	0.12	0.162	0.192
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	18900	1880	19.74	20.50	1.191	-	-	-0.11	0.162	0.193
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	18900	1880	19.76	20.50	1.186	-	-	0.17	0.264	0.313
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	18900	1880	19.74	20.50	1.191	-	-	-0.16	0.278	0.331
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	18900	1880	19.76	20.50	1.186	-	-	-0.17	0.116	0.138
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	18900	1880	19.74	20.50	1.191	-	-	0.11	0.137	0.163
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	18900	1880	19.76	20.50	1.186	-	-	-0.05	0.381	0.452
	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	18900	1880	19.74	20.50	1.191	-	-	0.02	0.399	0.475
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	18900	1880	16.77	18.20	1.390	-	-	-0.1	0.128	0.178
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	18900	1880	16.73	18.20	1.403	-	-	0.17	0.132	0.185
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	18900	1880	16.77	18.20	1.390	-	-	-0.15	0.208	0.289
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	18900	1880	16.73	18.20	1.403	-	-	0.18	0.203	0.285
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	18900	1880	16.77	18.20	1.390	-	-	0.05	0.277	0.385
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	18900	1880	16.73	18.20	1.403	-	-	0.01	0.287	0.403
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	18900	1880	16.77	18.20	1.390	-	-	0.15	0.045	0.063
	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	18900	1880	16.73	18.20	1.403	-	-	0.03	0.044	0.062
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	18900	1880	20.86	22.30	1.393	-	-	0.14	0.336	0.468
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	18900	1880	20.83	22.30	1.403	-	-	-0.16	0.348	0.488
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	18900	1880	20.86	22.30	1.393	-	-	-0.02	0.478	0.666
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	18900	1880	20.83	22.30	1.403	-	-	0.1	0.486	0.682
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	18900	1880	20.86	22.30	1.393	-	-	-0.1	0.267	0.372
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	18900	1880	20.83	22.30	1.403	-	-	-0.05	0.262	0.368
	LTE Band 2	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	18900	1880	20.86	22.30	1.393	-	-	-0.04	0.064	0.089
	LTE Band 2	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	18900	1880	20.83	22.30	1.403	-	-	0.01	0.069	0.097
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	18900	1880	20.86	22.30	1.393	-	-	-0.09	0.756	1.053
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	18700	1860	20.81	22.30	1.409	-	-	0.03	0.767	1.081
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	19100	1900	20.83	22.30	1.403	-	-	-0.11	0.749	1.051
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	18900	1880	20.83	22.30	1.403	-	-	-0.16	0.770	1.080
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	18700	1860	20.79	22.30	1.416	-	-	0.15	0.763	1.080
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	19100	1900	20.74	22.30	1.432	-	-	-0.15	0.758	1.086
55	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 6	DSI 5	18900	1880	20.82	22.30	1.406	-	-	0.06	0.773	1.087
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	18900	1880	19.65	21.10	1.396	-	-	-0.1	0.189	0.264
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	18900	1880	19.20	20.60	1.380	-	-	0.17	0.184	0.254
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	18900	1880	19.65	21.10	1.396	-	-	0.13	0.230	0.321
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	18900	1880	19.20	20.60	1.380	-	-	-0.02	0.209	0.289
	LTE Band 2	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	18900	1880	19.65	21.10	1.396	-	-	-0.02	0.491	0.686
	LTE Band 2	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	18900	1880	19.20	20.60	1.380	-	-	0.1	0.467	0.645
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	18900	1880	19.65	21.10	1.396	-	-	0.13	0.010	0.014
	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	18900	1880	19.20	20.60	1.380	-	-	-0.04	0.006	0.008
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	26340	1880	20.13	21.00	1.222	-	-	0.08	0.149	0.182
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	26340	1880	20.09	21.00	1.233	-	-	0.01	0.167	0.206
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	26340	1880	20.13	21.00	1.222	-	-	0.03	0.259	0.316
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	26340	1880	20.09	21.00	1.233	-	-	-0.08	0.276	0.340
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	26340	1880	20.13	21.00	1.222	-	-	-0.08	0.143	0.175
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	26340	1880	20.09	21.00	1.233	-	-	0.1	0.154	0.190
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	26340	1880	20.13	21.00	1.222	-	-	-0.18	0.417	0.509
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	26340	1880	20.09	21.00	1.233	-	-	-0.01	0.448	0.552
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	26340	1880	16.56	18.30	1.493	-	-	-0.07	0.124	0.185
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	26340	1880	16.52	18.30	1.507	-	-	-0.03	0.121	0.182
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	26340	1880	16.56	18.30	1.493	-	-	-0.13	0.172	0.257
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	26340	1880	16.52	18.30	1.507	-	-	0.05	0.186	0.280
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	26340	1880	16.56	18.30	1.493	-	-	-0.15	0.254	0.379
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	26340	1880	16.52	18.30	1.507	-	-	-0.11	0.281	0.423
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	26340	1880	16.56	18.30	1.493	-	-	0.07	0.058	0.087



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	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	26340	1880	16.52	18.30	1.507	-	-	-0.06	0.062	0.093
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	26340	1880	20.86	22.30	1.393	-	-	0.19	0.295	0.411
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	26340	1880	20.83	22.30	1.403	-	-	-0.01	0.304	0.426
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	26340	1880	20.86	22.30	1.393	-	-	-0.19	0.405	0.564
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	26340	1880	20.83	22.30	1.403	-	-	-0.03	0.395	0.554
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	26340	1880	20.86	22.30	1.393	-	-	-0.08	0.214	0.298
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	26340	1880	20.83	22.30	1.403	-	-	0.1	0.214	0.300
	LTE Band 25	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	26340	1880	20.86	22.30	1.393	-	-	0.15	0.061	0.085
	LTE Band 25	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	26340	1880	20.83	22.30	1.403	-	-	0.12	0.060	0.084
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	26340	1880	20.86	22.30	1.393	-	-	-0.12	0.626	0.872
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	26140	1860	20.83	22.30	1.403	-	-	-0.15	0.624	0.875
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	26590	1905	20.85	22.30	1.396	-	-	-0.19	0.639	0.892
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	26340	1880	20.83	22.30	1.403	-	-	-0.13	0.655	0.919
56	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	26140	1860	20.74	22.30	1.432	-	-	-0.05	0.671	0.961
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	26590	1905	20.74	22.30	1.432	-	-	-0.12	0.669	0.958
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 6	DSI 5	26340	1880	20.82	22.30	1.406	-	-	0.18	0.660	0.928
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	26340	1880	19.77	21.20	1.390	-	-	0.03	0.188	0.261
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	26340	1880	18.73	20.20	1.403	-	-	0.09	0.158	0.222
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	26340	1880	19.77	21.20	1.390	-	-	-0.13	0.208	0.289
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	26340	1880	18.73	20.20	1.403	-	-	-0.09	0.181	0.254
	LTE Band 25	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	26340	1880	19.77	21.20	1.390	-	-	-0.05	0.495	0.688
	LTE Band 25	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	26340	1880	18.73	20.20	1.403	-	-	0.12	0.408	0.572
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	26340	1880	19.77	21.20	1.390	-	-	0.11	0.025	0.035
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	26340	1880	18.73	20.20	1.403	-	-	0.11	0.022	0.031
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	376000	1880	18.41	19.00	1.146	-	-	-0.02	0.122	0.140
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	376000	1880	18.38	19.00	1.153	-	-	0.02	0.128	0.148
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	376000	1880	18.41	19.00	1.146	-	-	0.12	0.197	0.226
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	376000	1880	18.38	19.00	1.153	-	-	0.02	0.197	0.227
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	376000	1880	18.41	19.00	1.146	-	-	-0.11	0.086	0.099
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	376000	1880	18.38	19.00	1.153	-	-	-0.11	0.097	0.112
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	376000	1880	18.41	19.00	1.146	-	-	-0.01	0.308	0.353
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	376000	1880	18.38	19.00	1.153	-	-	0.03	0.299	0.345
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	376000	1880	17.38	18.40	1.265	-	-	0.01	0.131	0.166
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	376000	1880	17.35	18.40	1.274	-	-	-0.03	0.138	0.176
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	376000	1880	17.38	18.40	1.265	-	-	0.03	0.205	0.259
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	376000	1880	17.35	18.40	1.274	-	-	-0.17	0.210	0.267
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	376000	1880	17.38	18.40	1.265	-	-	0.02	0.278	0.352
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	376000	1880	17.35	18.40	1.274	-	-	-0.06	0.305	0.388
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	376000	1880	17.38	18.40	1.265	-	-	0.18	0.053	0.067
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	376000	1880	17.35	18.40	1.274	-	-	0.16	0.049	0.062
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	376000	1880	20.55	21.80	1.334	-	-	0.13	0.278	0.371
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	376000	1880	20.49	21.80	1.352	-	-	-0.03	0.278	0.376
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	376000	1880	20.55	21.80	1.334	-	-	0.12	0.382	0.509
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	376000	1880	20.49	21.80	1.352	-	-	0.19	0.359	0.485
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	376000	1880	20.55	21.80	1.334	-	-	-0.09	0.189	0.252
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	376000	1880	20.49	21.80	1.352	-	-	-0.12	0.185	0.250
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	376000	1880	20.55	21.80	1.334	-	-	0.07	0.052	0.069
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	376000	1880	20.49	21.80	1.352	-	-	-0.18	0.050	0.068
57	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	376000	1880	20.55	21.80	1.334	-	-	0.03	0.673	0.897
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	376000	1880	20.49	21.80	1.352	-	-	-0.15	0.610	0.825
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	376000	1880	20.53	21.80	1.340	-	-	-0.08	0.663	0.888
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	376000	1880	19.15	20.30	1.303	-	-	-0.04	0.204	0.266
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	376000	1880	19.11	20.30	1.315	-	-	0.02	0.191	0.251
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	376000	1880	19.15	20.30	1.303	-	-	-0.07	0.257	0.335
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	376000	1880	19.11	20.30	1.315	-	-	-0.08	0.247	0.325
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	376000	1880	19.15	20.30	1.303	-	-	0.12	0.451	0.588



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	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	376000	1880	19.11	20.30	1.315	-	-	-0.07	0.460	0.605
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	376000	1880	19.15	20.30	1.303	-	-	-0.05	0.012	0.016
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	376000	1880	19.11	20.30	1.315	-	-	-0.04	0.008	0.011
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	376500	1882.5	19.56	20.00	1.107	-	-	-0.03	0.164	0.181
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	376500	1882.5	19.53	20.00	1.114	-	-	0.09	0.152	0.169
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	376500	1882.5	19.56	20.00	1.107	-	-	0.06	0.247	0.273
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	376500	1882.5	19.53	20.00	1.114	-	-	-0.04	0.253	0.282
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	376500	1882.5	19.56	20.00	1.107	-	-	0.17	0.148	0.164
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	376500	1882.5	19.53	20.00	1.114	-	-	0.06	0.129	0.144
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	376500	1882.5	19.56	20.00	1.107	-	-	0.01	0.385	0.426
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	376500	1882.5	19.53	20.00	1.114	-	-	-0.01	0.410	0.457
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	376500	1882.5	15.86	16.90	1.271	-	-	0.09	0.078	0.099
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	376500	1882.5	15.83	16.90	1.279	-	-	-0.02	0.095	0.122
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	376500	1882.5	15.86	16.90	1.271	-	-	0.15	0.127	0.161
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	376500	1882.5	15.83	16.90	1.279	-	-	-0.08	0.148	0.189
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	376500	1882.5	15.86	16.90	1.271	-	-	0.06	0.196	0.249
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	376500	1882.5	15.83	16.90	1.279	-	-	0.15	0.214	0.274
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	376500	1882.5	15.86	16.90	1.271	-	-	-0.08	0.036	0.046
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	376500	1882.5	15.83	16.90	1.279	-	-	-0.05	0.047	0.060
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	376500	1882.5	20.63	21.80	1.309	-	-	-0.08	0.338	0.443
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	376500	1882.5	20.60	21.80	1.318	-	-	0.18	0.315	0.415
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	376500	1882.5	20.63	21.80	1.309	-	-	0.1	0.431	0.564
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	376500	1882.5	20.60	21.80	1.318	-	-	0.03	0.411	0.542
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	376500	1882.5	20.63	21.80	1.309	-	-	0.04	0.220	0.288
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	376500	1882.5	20.60	21.80	1.318	-	-	-0.09	0.200	0.264
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	376500	1882.5	20.63	21.80	1.309	-	-	0.01	0.051	0.067
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	376500	1882.5	20.60	21.80	1.318	-	-	0.11	0.066	0.087
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	376500	1882.5	20.63	21.80	1.309	-	-	0.14	0.734	0.961
58	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	376500	1882.5	20.60	21.80	1.318	-	-	0.02	0.764	1.007
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	376500	1882.5	20.62	21.80	1.312	-	-	0.01	0.751	0.985
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	376500	1882.5	19.94	21.30	1.368	-	-	-0.16	0.268	0.367
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	376500	1882.5	19.91	21.30	1.377	-	-	-0.02	0.242	0.333
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	376500	1882.5	19.94	21.30	1.368	-	-	0.08	0.337	0.461
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	376500	1882.5	19.91	21.30	1.377	-	-	0.04	0.313	0.431
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	376500	1882.5	19.94	21.30	1.368	-	-	-0.04	0.580	0.793
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	376500	1882.5	19.91	21.30	1.377	-	-	0.17	0.520	0.716
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	376500	1882.5	19.94	21.30	1.368	-	-	0.18	0.066	0.090
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	376500	1882.5	19.91	21.30	1.377	-	-	0.03	0.061	0.084
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	21100	2535	17.79	18.50	1.178	-	-	0.1	0.119	0.140
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	21100	2535	17.76	18.50	1.186	-	-	0.12	0.119	0.141
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	21100	2535	17.79	18.50	1.178	-	-	0.08	0.209	0.246
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	21100	2535	17.76	18.50	1.186	-	-	-0.17	0.215	0.255
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	21100	2535	17.79	18.50	1.178	-	-	-0.03	0.068	0.080
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	21100	2535	17.76	18.50	1.186	-	-	0.14	0.067	0.079
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	21100	2535	17.79	18.50	1.178	-	-	0.11	0.229	0.270
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	21100	2535	17.76	18.50	1.186	-	-	-0.01	0.224	0.266
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	21100	2535	14.45	15.30	1.216	-	-	-0.05	0.139	0.169
	LTE Band 7C	20M	QPSK	1	99	-	Top Side	10mm	Ant 5	DSI 5	21100+21298	2535+2554.8	17.53	19.00	1.403	-	-	0.03	0.158	0.222
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	21100	2535	16.68	18.00	1.355	-	-	-0.16	0.110	0.149
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	21100	2535	16.67	18.00	1.358	-	-	-0.12	0.112	0.152
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	21100	2535	16.68	18.00	1.355	-	-	-0.08	0.160	0.217
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	21100	2535	16.67	18.00	1.358	-	-	-0.18	0.171	0.232
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	21100	2535	16.68	18.00	1.355	-	-	-0.13	0.255	0.346
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	21100	2535	16.67	18.00	1.358	-	-	-0.03	0.297	0.403
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	21100	2535	16.68	18.00	1.355	-	-	0.02	0.025	0.034



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	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	21100	2535	16.67	18.00	1.358	-	-	0.02	0.028	0.038
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	21100	2535	16.57	17.90	1.358	-	-	-0.09	0.285	0.387
	LTE Band 7C	20M	QPSK	1	99	-	Left Side	10mm	Ant 4	DSI 5	21100+21298	2535+2554.8	16.37	17.50	1.297	-	-	0.01	0.206	0.267
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	21100	2535	19.87	21.00	1.297	-	-	-0.04	0.219	0.284
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	21100	2535	19.79	21.00	1.321	-	-	-0.17	0.224	0.296
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	21100	2535	19.87	21.00	1.297	-	-	-0.07	0.338	0.438
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	21100	2535	19.79	21.00	1.321	-	-	0.04	0.350	0.462
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	21100	2535	19.87	21.00	1.297	-	-	0.01	0.111	0.144
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	21100	2535	19.79	21.00	1.321	-	-	0.04	0.105	0.139
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	21100	2535	19.87	21.00	1.297	-	-	-0.06	0.055	0.071
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	21100	2535	19.79	21.00	1.321	-	-	0.16	0.059	0.078
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	21100	2535	19.87	21.00	1.297	-	-	0.1	0.444	0.576
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	21100	2535	19.79	21.00	1.321	-	-	0.03	0.454	0.600
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	21100	2535	19.70	21.00	1.349	-	-	-0.03	0.401	0.541
	LTE Band 7C	20M	QPSK	1	99	-	Bottom Side	10mm	Ant 6	DSI 5	21100+21298	2535+2554.8	19.17	20.50	1.358	-	-	0.09	0.322	0.437
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	21100	2535	18.65	19.90	1.334	-	-	-0.13	0.139	0.185
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	21100	2535	18.63	19.90	1.340	-	-	-0.17	0.149	0.200
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	21100	2535	18.65	19.90	1.334	-	-	-0.1	0.206	0.275
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	21100	2535	18.63	19.90	1.340	-	-	0.1	0.208	0.279
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	21100	2535	18.65	19.90	1.334	-	-	0.17	0.415	0.553
59	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	21100	2535	18.63	19.90	1.340	-	-	-0.03	0.459	0.615
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	21100	2535	18.65	19.90	1.334	-	-	-0.11	0.086	0.115
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	21100	2535	18.63	19.90	1.340	-	-	0.04	0.088	0.118
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	21100	2535	18.27	19.70	1.390	-	-	0.16	0.317	0.441
	LTE Band 7C	20M	QPSK	1	99	-	Right Side	10mm	Ant 7	DSI 5	21100+21298	2535+2554.8	17.78	19.40	1.452	-	-	0.01	0.321	0.466
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	38000	2595	20.01	20.20	1.045	62.9	1.006	0.18	0.134	0.141
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	38000	2595	19.98	20.20	1.052	62.9	1.006	0.14	0.132	0.140
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	38000	2595	20.01	20.20	1.045	62.9	1.006	-0.17	0.173	0.182
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	38000	2595	19.98	20.20	1.052	62.9	1.006	0.17	0.172	0.182
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	38000	2595	20.01	20.20	1.045	62.9	1.006	-0.05	0.104	0.109
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	38000	2595	19.98	20.20	1.052	62.9	1.006	0.01	0.127	0.134
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	38000	2595	20.01	20.20	1.045	62.9	1.006	0.03	0.214	0.225
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	38000	2595	19.98	20.20	1.052	62.9	1.006	0.1	0.207	0.219
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	38000	2595	16.08	17.00	1.236	62.9	1.006	-0.17	0.104	0.129
	LTE Band 38C	20M	QPSK	1	99	-	Top Side	10mm	Ant 5	DSI 5	37901+38099	2585.1+2604.9	19.73	20.20	1.114	62.9	1.006	0.06	0.184	0.206
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	38000	2595	20.21	21.60	1.377	62.9	1.006	0.17	0.155	0.215
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	38000	2595	20.15	21.60	1.396	62.9	1.006	0.06	0.153	0.215
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	38000	2595	20.21	21.60	1.377	62.9	1.006	-0.18	0.244	0.338
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	38000	2595	20.15	21.60	1.396	62.9	1.006	0.06	0.252	0.354
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	38000	2595	20.21	21.60	1.377	62.9	1.006	0.18	0.385	0.533
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	38000	2595	20.15	21.60	1.396	62.9	1.006	-0.19	0.388	0.545
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	38000	2595	20.21	21.60	1.377	62.9	1.006	0.17	0.016	0.022
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	38000	2595	20.15	21.60	1.396	62.9	1.006	-0.16	0.009	0.013
	LTE Band 38_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	38000	2595	19.74	21.20	1.400	62.9	1.006	-0.08	0.320	0.451
	LTE Band 38C	20M	QPSK	1	99	-	Left Side	10mm	Ant 4	DSI 5	37901+38099	2585.1+2604.9	19.99	21.60	1.449	62.9	1.006	0.06	0.311	0.453
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	38000	2595	22.55	23.50	1.245	62.9	1.006	0.12	0.251	0.314
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	38000	2595	22.54	23.50	1.247	62.9	1.006	-0.17	0.240	0.301
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	38000	2595	22.55	23.50	1.245	62.9	1.006	-0.17	0.399	0.500
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	38000	2595	22.54	23.50	1.247	62.9	1.006	0.02	0.394	0.494
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	38000	2595	22.55	23.50	1.245	62.9	1.006	-0.07	0.127	0.159
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	38000	2595	22.54	23.50	1.247	62.9	1.006	-0.03	0.116	0.146
	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	38000	2595	22.55	23.50	1.245	62.9	1.006	0.17	0.066	0.083
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	38000	2595	22.54	23.50	1.247	62.9	1.006	0.09	0.066	0.083
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	38000	2595	22.55	23.50	1.245	62.9	1.006	-0.06	0.495	0.620
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	38000	2595	22.54	23.50	1.247	62.9	1.006	-0.07	0.486	0.610



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	LTE Band 38_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	38000	2595	21.48	23.00	1.419	62.9	1.006	-0.16	0.368	0.525
	LTE Band 38C	20M	QPSK	1	99	-	Bottom Side	10mm	Ant 6	DSI 5	37901+38099	2585.1+2604.9	21.77	23.00	1.327	62.9	1.006	0.02	0.421	0.562
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	38000	2595	21.01	22.10	1.285	62.9	1.006	0.03	0.151	0.195
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	38000	2595	20.96	22.10	1.300	62.9	1.006	0.1	0.137	0.179
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	38000	2595	21.01	22.10	1.285	62.9	1.006	0.03	0.221	0.286
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	38000	2595	20.96	22.10	1.300	62.9	1.006	0.06	0.191	0.250
60	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	38000	2595	21.01	22.10	1.285	62.9	1.006	-0.02	0.486	0.628
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	38000	2595	20.96	22.10	1.300	62.9	1.006	0.08	0.412	0.539
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	38000	2595	21.01	22.10	1.285	62.9	1.006	0.1	0.071	0.092
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	38000	2595	20.96	22.10	1.300	62.9	1.006	-0.16	0.076	0.099
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	38000	2595	19.65	21.30	1.462	62.9	1.006	-0.1	0.276	0.406
	LTE Band 38C	20M	QPSK	1	99	-	Right Side	10mm	Ant 7	DSI 5	37901+38099	2585.1+2604.9	19.80	21.10	1.349	62.9	1.006	0.02	0.365	0.495
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	40620	2593	18.15	18.70	1.135	62.9	1.006	0.04	0.085	0.097
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	40620	2593	18.12	18.70	1.143	62.9	1.006	-0.01	0.089	0.102
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	40620	2593	18.15	18.70	1.135	62.9	1.006	-0.08	0.118	0.135
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	40620	2593	18.12	18.70	1.143	62.9	1.006	0.05	0.122	0.140
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	40620	2593	18.15	18.70	1.135	62.9	1.006	0.06	0.085	0.097
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	40620	2593	18.12	18.70	1.143	62.9	1.006	-0.09	0.069	0.079
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	40620	2593	18.15	18.70	1.135	62.9	1.006	-0.01	0.141	0.161
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	40620	2593	18.12	18.70	1.143	62.9	1.006	-0.08	0.139	0.160
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	40620	2593	14.51	15.50	1.256	62.9	1.006	0.13	0.069	0.087
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	40620	2593	19.25	20.60	1.365	62.9	1.006	0.12	0.125	0.172
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	40620	2593	19.21	20.60	1.377	62.9	1.006	-0.11	0.121	0.168
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	40620	2593	19.25	20.60	1.365	62.9	1.006	-0.12	0.209	0.287
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	40620	2593	19.21	20.60	1.377	62.9	1.006	-0.1	0.205	0.284
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	40620	2593	19.25	20.60	1.365	62.9	1.006	0.16	0.346	0.475
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	40620	2593	19.21	20.60	1.377	62.9	1.006	-0.09	0.342	0.474
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	40620	2593	19.25	20.60	1.365	62.9	1.006	-0.09	0.019	0.026
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	40620	2593	19.21	20.60	1.377	62.9	1.006	0.08	0.015	0.021
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	40620	2593	18.77	20.20	1.390	62.9	1.006	0.06	0.281	0.393
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	40620	2593	22.55	23.50	1.245	62.9	1.006	0.1	0.230	0.288
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	40620	2593	22.51	23.50	1.256	62.9	1.006	-0.07	0.225	0.284
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	40620	2593	22.55	23.50	1.245	62.9	1.006	0.12	0.329	0.412
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	40620	2593	22.51	23.50	1.256	62.9	1.006	0.08	0.316	0.399
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	40620	2593	22.55	23.50	1.245	62.9	1.006	0.15	0.087	0.109
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	40620	2593	22.51	23.50	1.256	62.9	1.006	-0.11	0.088	0.111
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	40620	2593	22.55	23.50	1.245	62.9	1.006	-0.05	0.058	0.073
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	40620	2593	22.51	23.50	1.256	62.9	1.006	0.02	0.060	0.076
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	40620	2593	22.55	23.50	1.245	62.9	1.006	-0.05	0.460	0.576
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	40620	2593	22.51	23.50	1.256	62.9	1.006	0.05	0.464	0.586
	LTE Band 41_Main PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	41490	2680	21.52	23.00	1.406	62.9	1.006	0.1	0.344	0.487
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 7	DSI 5	40620	2593	20.91	22.10	1.315	62.9	1.006	-0.01	0.200	0.265
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 7	DSI 5	40620	2593	20.89	22.10	1.321	62.9	1.006	0.02	0.174	0.231
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 7	DSI 5	40620	2593	20.91	22.10	1.315	62.9	1.006	0.07	0.271	0.359
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 7	DSI 5	40620	2593	20.89	22.10	1.321	62.9	1.006	-0.18	0.263	0.350
61	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	40620	2593	20.91	22.10	1.315	62.9	1.006	-0.03	0.581	0.769
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	39750	2506	20.81	22.10	1.346	62.9	1.006	-0.06	0.379	0.513
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	40185	2549.5	20.79	22.10	1.352	62.9	1.006	-0.15	0.503	0.684
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	41055	2636.5	20.78	22.10	1.355	62.9	1.006	-0.03	0.543	0.740
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	41490	2680	20.75	22.10	1.365	62.9	1.006	0.1	0.557	0.765
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	40620	2593	20.89	22.10	1.321	62.9	1.006	-0.05	0.545	0.724
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	39790	2510	20.80	22.10	1.349	62.9	1.006	-0.03	0.398	0.540
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	40185	2549.5	20.84	22.10	1.337	62.9	1.006	-0.02	0.457	0.614
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	41055	2636.5	20.76	22.10	1.361	62.9	1.006	0.08	0.507	0.694
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 7	DSI 5	41490	2680	20.70	22.10	1.380	62.9	1.006	-0.08	0.516	0.717
	LTE Band 41	20M	QPSK	100	0	-	Right Side	10mm	Ant 7	DSI 5	40620	2593	20.86	22.10	1.330	62.9	1.006	-0.12	0.507	0.679



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	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	DSI 5	40620	2593	20.91	22.10	1.315	62.9	1.006	-0.08	0.107	0.142
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	DSI 5	40620	2593	20.89	22.10	1.321	62.9	1.006	-0.16	0.097	0.129
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 7	DSI 5	40620	2593	19.74	21.30	1.432	62.9	1.006	0.18	0.359	0.517
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	507000	2535	17.83	18.00	1.040	-	-	0.04	0.132	0.137
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	10mm	Ant 5	DSI 5	507000	2535	17.80	18.00	1.047	-	-	-0.07	0.126	0.132
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	507000	2535	17.83	18.00	1.040	-	-	0.13	0.218	0.227
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	10mm	Ant 5	DSI 5	507000	2535	17.80	18.00	1.047	-	-	-0.07	0.214	0.224
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	507000	2535	17.83	18.00	1.040	-	-	0.11	0.073	0.076
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	10mm	Ant 5	DSI 5	507000	2535	17.80	18.00	1.047	-	-	-0.12	0.072	0.075
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	507000	2535	17.83	18.00	1.040	-	-	-0.08	0.252	0.262
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	507000	2535	17.80	18.00	1.047	-	-	-0.16	0.241	0.252
	FR1 n7_Other PA	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 5	DSI 5	507000	2535	14.41	15.00	1.146	-	-	-0.18	0.130	0.149
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	507000	2535	17.15	18.20	1.274	-	-	0.04	0.124	0.158
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	10mm	Ant 4	DSI 5	507000	2535	17.10	18.20	1.288	-	-	-0.18	0.133	0.171
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	507000	2535	17.15	18.20	1.274	-	-	-0.07	0.181	0.231
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	10mm	Ant 4	DSI 5	507000	2535	17.10	18.20	1.288	-	-	-0.14	0.212	0.273
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	507000	2535	17.15	18.20	1.274	-	-	-0.07	0.293	0.373
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	507000	2535	17.10	18.20	1.288	-	-	0.1	0.316	0.407
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	507000	2535	17.15	18.20	1.274	-	-	0.05	0.026	0.033
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	10mm	Ant 4	DSI 5	507000	2535	17.10	18.20	1.288	-	-	0.18	0.021	0.027
	FR1 n7_Main PA	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	10mm	Ant 4	DSI 5	507000	2535	16.96	17.80	1.213	-	-	0.12	0.308	0.374
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	507000	2535	20.81	21.00	1.045	-	-	0.04	0.291	0.304
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	10mm	Ant 6	DSI 5	507000	2535	20.78	21.00	1.052	-	-	-0.12	0.267	0.281
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	507000	2535	20.81	21.00	1.045	-	-	0.15	0.396	0.414
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	10mm	Ant 6	DSI 5	507000	2535	20.78	21.00	1.052	-	-	-0.07	0.363	0.382
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	507000	2535	20.81	21.00	1.045	-	-	0.04	0.117	0.122
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	10mm	Ant 6	DSI 5	507000	2535	20.78	21.00	1.052	-	-	0.04	0.118	0.124
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	507000	2535	20.81	21.00	1.045	-	-	0.1	0.062	0.065
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	10mm	Ant 6	DSI 5	507000	2535	20.78	21.00	1.052	-	-	0.08	0.062	0.065
62	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	507000	2535	20.81	21.00	1.045	-	-	0.15	0.550	0.575
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	507000	2535	20.78	21.00	1.052	-	-	0.1	0.506	0.532
	FR1 n7_Main PA	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 6	DSI 5	507000	2535	19.82	20.60	1.197	-	-	-0.09	0.344	0.412
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	507000	2535	18.83	19.80	1.250	-	-	-0.05	0.121	0.151
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	10mm	Ant 7	DSI 5	507000	2535	18.78	19.80	1.265	-	-	0.02	0.118	0.149
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	507000	2535	18.83	19.80	1.250	-	-	-0.08	0.183	0.229
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	10mm	Ant 7	DSI 5	507000	2535	18.78	19.80	1.265	-	-	-0.03	0.167	0.211
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	507000	2535	18.83	19.80	1.250	-	-	-0.06	0.335	0.419
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	507000	2535	18.78	19.80	1.265	-	-	0.01	0.357	0.452
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	507000	2535	18.83	19.80	1.250	-	-	0.01	0.061	0.076
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	10mm	Ant 7	DSI 5	507000	2535	18.78	19.80	1.265	-	-	0.03	0.060	0.076
	FR1 n7_Main PA	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	10mm	Ant 7	DSI 5	507000	2535	17.75	19.00	1.334	-	-	-0.01	0.226	0.301
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	519000	2595	17.42	17.70	1.067	-	-	-0.14	0.126	0.134
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	519000	2595	17.39	17.70	1.074	-	-	0.06	0.112	0.120
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	519000	2595	17.42	17.70	1.067	-	-	-0.13	0.170	0.181
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	519000	2595	17.39	17.70	1.074	-	-	-0.11	0.165	0.177
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	519000	2595	17.42	17.70	1.067	-	-	-0.05	0.090	0.096
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	519000	2595	17.39	17.70	1.074	-	-	-0.15	0.102	0.110
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	519000	2595	17.42	17.70	1.067	-	-	-0.05	0.205	0.219
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	519000	2595	17.39	17.70	1.074	-	-	0.08	0.183	0.197
	FR1 n38_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	519000	2595	13.85	14.50	1.161	-	-	-0.02	0.085	0.099
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	519000	2595	17.95	19.20	1.334	-	-	-0.06	0.145	0.193
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	519000	2595	17.93	19.20	1.340	-	-	0.08	0.143	0.192
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	519000	2595	17.95	19.20	1.334	-	-	-0.11	0.235	0.313
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	519000	2595	17.93	19.20	1.340	-	-	-0.17	0.210	0.281
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	519000	2595	17.95	19.20	1.334	-	-	0.15	0.331	0.441
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	519000	2595	17.93	19.20	1.340	-	-	-0.17	0.290	0.389



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	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	519000	2595	17.95	19.20	1.334	-	-	-0.02	0.005	0.007
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	519000	2595	17.93	19.20	1.340	-	-	0.09	0.002	0.003
	FR1 n38_Main PA	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	519000	2595	18.05	19.10	1.274	-	-	0.1	0.326	0.415
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	519000	2595	20.67	21.00	1.079	-	-	-0.11	0.228	0.246
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	519000	2595	20.66	21.00	1.081	-	-	-0.01	0.210	0.227
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	519000	2595	20.67	21.00	1.079	-	-	0.14	0.305	0.329
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	519000	2595	20.66	21.00	1.081	-	-	0.12	0.325	0.351
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	519000	2595	20.67	21.00	1.079	-	-	-0.03	0.106	0.114
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	519000	2595	20.66	21.00	1.081	-	-	-0.01	0.097	0.105
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	519000	2595	20.67	21.00	1.079	-	-	-0.06	0.055	0.059
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	519000	2595	20.66	21.00	1.081	-	-	-0.1	0.055	0.059
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	519000	2595	20.67	21.00	1.079	-	-	0.12	0.423	0.456
63	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	519000	2595	20.66	21.00	1.081	-	-	-0.01	0.430	0.465
	FR1 n38_Main PA	40M	QPSK	50	28	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	519000	2595	19.99	20.90	1.233	-	-	0.01	0.370	0.456
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 7	DSI 5	519000	2595	18.35	19.10	1.189	-	-	-0.16	0.107	0.127
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 7	DSI 5	519000	2595	18.33	19.10	1.194	-	-	0.08	0.122	0.146
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 7	DSI 5	519000	2595	18.35	19.10	1.189	-	-	-0.09	0.152	0.181
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 7	DSI 5	519000	2595	18.33	19.10	1.194	-	-	-0.17	0.153	0.183
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 7	DSI 5	519000	2595	18.35	19.10	1.189	-	-	-0.09	0.291	0.346
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 7	DSI 5	519000	2595	18.33	19.10	1.194	-	-	0.18	0.360	0.430
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 7	DSI 5	519000	2595	18.35	19.10	1.189	-	-	-0.07	0.051	0.061
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 7	DSI 5	519000	2595	18.33	19.10	1.194	-	-	0.06	0.058	0.069
	FR1 n38_Main PA	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 7	DSI 5	519000	2595	17.42	18.70	1.343	-	-	-0.05	0.156	0.209
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	518598	2592.99	17.11	17.50	1.094	-	-	-0.05	0.113	0.124
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	518598	2592.99	17.06	17.50	1.107	-	-	-0.07	0.117	0.129
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	518598	2592.99	17.11	17.50	1.094	-	-	-0.11	0.159	0.174
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	518598	2592.99	17.06	17.50	1.107	-	-	-0.11	0.152	0.168
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	518598	2592.99	17.11	17.50	1.094	-	-	-0.03	0.105	0.115
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	518598	2592.99	17.06	17.50	1.107	-	-	0.04	0.105	0.116
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	518598	2592.99	17.11	17.50	1.094	-	-	-0.1	0.208	0.228
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	518598	2592.99	17.06	17.50	1.107	-	-	0.07	0.195	0.216
	FR1 n41_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	518598	2592.99	13.19	14.10	1.233	-	-	0.03	0.080	0.099
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	518598	2592.99	16.85	18.20	1.365	-	-	-0.16	0.124	0.169
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	518598	2592.99	16.81	18.20	1.377	-	-	-0.17	0.111	0.153
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	518598	2592.99	16.85	18.20	1.365	-	-	-0.13	0.189	0.258
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	518598	2592.99	16.81	18.20	1.377	-	-	-0.1	0.175	0.241
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	518598	2592.99	16.85	18.20	1.365	-	-	-0.04	0.372	0.508
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	518598	2592.99	16.81	18.20	1.377	-	-	0.03	0.267	0.368
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	518598	2592.99	16.85	18.20	1.365	-	-	-0.08	0.010	0.014
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	518598	2592.99	16.81	18.20	1.377	-	-	0.13	0.006	0.008
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	518598	2592.99	17.23	18.30	1.279	-	-	0.15	0.365	0.467
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	518598	2592.99	20.15	20.50	1.084	-	-	-0.04	0.189	0.205
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	518598	2592.99	20.18	20.50	1.076	-	-	-0.19	0.178	0.192
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	518598	2592.99	20.15	20.50	1.084	-	-	-0.09	0.244	0.264
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	518598	2592.99	20.18	20.50	1.076	-	-	-0.13	0.231	0.249
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	518598	2592.99	20.15	20.50	1.084	-	-	0.06	0.080	0.087
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	518598	2592.99	20.18	20.50	1.076	-	-	0.18	0.072	0.078
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	518598	2592.99	20.15	20.50	1.084	-	-	-0.07	0.052	0.056
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	518598	2592.99	20.18	20.50	1.076	-	-	-0.1	0.047	0.051
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	518598	2592.99	20.15	20.50	1.084	-	-	0.14	0.373	0.404
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	518598	2592.99	20.18	20.50	1.076	-	-	-0.14	0.350	0.377
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	518598	2592.99	19.33	20.60	1.340	-	-	0.03	0.295	0.395
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 7	DSI 5	518598	2592.99	19.36	20.20	1.213	-	-	0.04	0.169	0.205
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 7	DSI 5	518598	2592.99	19.33	20.20	1.222	-	-	0.07	0.168	0.205
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 7	DSI 5	518598	2592.99	19.36	20.20	1.213	-	-	0.13	0.244	0.296
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 7	DSI 5	518598	2592.99	19.33	20.20	1.222	-	-	-0.15	0.244	0.298



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64	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 7	DSI 5	518598	2592.99	19.36	20.20	1.213	-	-	-0.01	0.518	0.629
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 7	DSI 5	518598	2592.99	19.33	20.20	1.222	-	-	0.12	0.510	0.623
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 7	DSI 5	518598	2592.99	19.36	20.20	1.213	-	-	-0.09	0.093	0.113
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 7	DSI 5	518598	2592.99	19.33	20.20	1.222	-	-	0.07	0.085	0.104
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 7	DSI 5	518598	2592.99	18.68	20.00	1.355	-	-	-0.04	0.401	0.543
3500MHz ~ 3900MHz																				
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	42590	3500	17.75	18.50	1.189	62.9	1.006	0.12	0.068	0.081
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	42590	3500	17.73	18.50	1.194	62.9	1.006	0.03	0.102	0.123
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	42590	3500	17.75	18.50	1.189	62.9	1.006	0.18	0.117	0.140
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	42590	3500	17.73	18.50	1.194	62.9	1.006	0.16	0.137	0.165
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	42590	3500	17.75	18.50	1.189	62.9	1.006	-0.1	0.057	0.068
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	42590	3500	17.73	18.50	1.194	62.9	1.006	0.07	0.055	0.066
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	42590	3500	17.75	18.50	1.189	62.9	1.006	0.18	0.192	0.230
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	42590	3500	17.73	18.50	1.194	62.9	1.006	0.03	0.184	0.221
	LTE Band 42_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	42590	3500	16.11	17.40	1.346	62.9	1.006	-0.1	0.130	0.176
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 10	DSI 5	42590	3500	24.08	25.00	1.236	62.9	1.006	0.13	0.034	0.042
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 10	DSI 5	42590	3500	24.07	25.00	1.239	62.9	1.006	-0.03	0.036	0.045
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 10	DSI 5	42590	3500	24.08	25.00	1.236	62.9	1.006	0.13	0.153	0.190
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 10	DSI 5	42590	3500	24.07	25.00	1.239	62.9	1.006	-0.11	0.282	0.351
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 10	DSI 5	42590	3500	24.08	25.00	1.236	62.9	1.006	0.09	0.099	0.123
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 10	DSI 5	42590	3500	24.07	25.00	1.239	62.9	1.006	0.15	0.096	0.120
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 10	DSI 5	42590	3500	24.08	25.00	1.236	62.9	1.006	-0.11	0.098	0.122
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 10	DSI 5	42590	3500	24.07	25.00	1.239	62.9	1.006	0.18	0.097	0.121
	LTE Band 42_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 10	DSI 5	42590	3500	22.56	23.70	1.300	62.9	1.006	0.18	0.266	0.348
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	42590	3500	19.21	19.70	1.119	62.9	1.006	0.01	0.116	0.131
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	42590	3500	19.18	19.70	1.127	62.9	1.006	0.06	0.112	0.127
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	42590	3500	19.21	19.70	1.119	62.9	1.006	-0.02	0.182	0.205
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	42590	3500	19.18	19.70	1.127	62.9	1.006	-0.13	0.191	0.217
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	42590	3500	19.21	19.70	1.119	62.9	1.006	0.05	0.236	0.266
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	42590	3500	19.18	19.70	1.127	62.9	1.006	0.04	0.273	0.310
	LTE Band 42	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	42590	3500	19.21	19.70	1.119	62.9	1.006	0.13	0.061	0.069
	LTE Band 42	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	42590	3500	19.18	19.70	1.127	62.9	1.006	-0.05	0.063	0.071
	LTE Band 42_Main PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	42590	3500	18.09	19.20	1.291	62.9	1.006	-0.17	0.231	0.300
	LTE Band 42	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	42590	3500	21.82	23.00	1.312	62.9	1.006	-0.17	0.145	0.191
	LTE Band 42	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	42590	3500	21.79	23.00	1.321	62.9	1.006	-0.05	0.155	0.206
	LTE Band 42	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	42590	3500	21.82	23.00	1.312	62.9	1.006	-0.02	0.301	0.397
	LTE Band 42	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	42590	3500	21.79	23.00	1.321	62.9	1.006	-0.08	0.306	0.407
	LTE Band 42	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	42590	3500	21.82	23.00	1.312	62.9	1.006	0.18	0.178	0.235
	LTE Band 42	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	42590	3500	21.79	23.00	1.321	62.9	1.006	-0.19	0.175	0.233
	LTE Band 42	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	42590	3500	21.82	23.00	1.312	62.9	1.006	0.06	0.084	0.111
	LTE Band 42	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	42590	3500	21.79	23.00	1.321	62.9	1.006	0.04	0.087	0.116
65	LTE Band 42	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	42590	3500	21.82	23.00	1.312	62.9	1.006	-0.07	0.541	0.714
	LTE Band 42	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	42590	3500	21.82	23.00	1.312	62.9	1.006	-0.07	0.538	0.710
	LTE Band 42_Main PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	42590	3500	19.78	21.30	1.419	62.9	1.006	-0.07	0.250	0.357
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 5	55830	3609	18.29	20.00	1.483	62.9	1.006	0.01	0.098	0.146
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 5	55830	3609	18.28	20.00	1.486	62.9	1.006	-0.15	0.098	0.146
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 5	55830	3609	18.29	20.00	1.483	62.9	1.006	0.19	0.135	0.201
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 5	55830	3609	18.28	20.00	1.486	62.9	1.006	0.07	0.126	0.188
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 5	DSI 5	55830	3609	18.29	20.00	1.483	62.9	1.006	-0.18	0.048	0.072
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 5	DSI 5	55830	3609	18.28	20.00	1.486	62.9	1.006	0.03	0.057	0.085
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 5	DSI 5	55830	3609	18.29	20.00	1.483	62.9	1.006	-0.11	0.197	0.294
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 5	DSI 5	55830	3609	18.28	20.00	1.486	62.9	1.006	-0.15	0.194	0.290
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 10	DSI 5	55830	3609	23.57	25.00	1.390	62.9	1.006	-0.06	0.032	0.045
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 10	DSI 5	55830	3609	22.61	24.00	1.377	62.9	1.006	-0.1	0.040	0.055
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 10	DSI 5	55830	3609	23.57	25.00	1.390	62.9	1.006	0.04	0.137	0.192
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 10	DSI 5	55830	3609	22.61	24.00	1.377	62.9	1.006	0.08	0.151	0.209



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	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 10	DSI 5	55830	3609	23.57	25.00	1.390	62.9	1.006	-0.09	0.099	0.138
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 10	DSI 5	55830	3609	22.61	24.00	1.377	62.9	1.006	0.03	0.085	0.118
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 10	DSI 5	55830	3609	23.57	25.00	1.390	62.9	1.006	0.03	0.081	0.113
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 10	DSI 5	55830	3609	22.61	24.00	1.377	62.9	1.006	0.19	0.081	0.112
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 4	DSI 5	55830	3609	20.67	22.00	1.358	62.9	1.006	0.12	0.107	0.146
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 4	DSI 5	55830	3609	20.65	22.00	1.365	62.9	1.006	0.1	0.103	0.141
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 4	DSI 5	55830	3609	20.67	22.00	1.358	62.9	1.006	-0.04	0.157	0.215
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 4	DSI 5	55830	3609	20.65	22.00	1.365	62.9	1.006	0.05	0.173	0.237
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 4	DSI 5	55830	3609	20.67	22.00	1.358	62.9	1.006	-0.01	0.216	0.295
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 4	DSI 5	55830	3609	20.65	22.00	1.365	62.9	1.006	-0.02	0.236	0.324
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 5	55830	3609	20.67	22.00	1.358	62.9	1.006	-0.14	0.026	0.036
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Top Side	10mm	Ant 4	DSI 5	55830	3609	20.65	22.00	1.365	62.9	1.006	0.18	0.037	0.051
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 5	55830	3609	21.86	23.50	1.459	62.9	1.006	0.07	0.164	0.241
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 5	55830	3609	20.91	22.50	1.442	62.9	1.006	-0.15	0.162	0.235
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 5	55830	3609	21.86	23.50	1.459	62.9	1.006	0.06	0.331	0.486
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 5	55830	3609	20.91	22.50	1.442	62.9	1.006	0.09	0.328	0.476
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Left Side	10mm	Ant 6	DSI 5	55830	3609	21.86	23.50	1.459	62.9	1.006	0.11	0.166	0.244
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Left Side	10mm	Ant 6	DSI 5	55830	3609	20.91	22.50	1.442	62.9	1.006	-0.03	0.160	0.232
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Right Side	10mm	Ant 6	DSI 5	55830	3609	21.86	23.50	1.459	62.9	1.006	-0.16	0.064	0.094
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Right Side	10mm	Ant 6	DSI 5	55830	3609	20.91	22.50	1.442	62.9	1.006	-0.02	0.080	0.116
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	55830	3609	21.86	23.50	1.459	62.9	1.006	0.03	0.559	0.820
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	55340	3560	21.81	23.50	1.476	62.9	1.006	-0.17	0.495	0.735
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	56150	3641	21.82	23.50	1.472	62.9	1.006	-0.03	0.567	0.840
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 6	DSI 5	56640	3690	21.79	23.50	1.483	62.9	1.006	-0.15	0.528	0.787
66	LTE Band 48_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	55830	3609	20.91	22.50	1.442	62.9	1.006	-0.06	0.580	0.841
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	55340	3560	20.76	22.50	1.493	62.9	1.006	-0.07	0.497	0.746
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	56150	3641	20.83	22.50	1.469	62.9	1.006	0.19	0.565	0.835
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 6	DSI 5	56640	3690	20.84	22.50	1.466	62.9	1.006	0.04	0.529	0.780
	LTE Band 48_Other PA	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 6	DSI 5	55830	3609	20.87	22.50	1.455	62.9	1.006	-0.09	0.571	0.836
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	641666	3624.99	17.05	18.00	1.245	-	-	-0.02	0.126	0.157
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	641666	3624.99	17.02	18.00	1.253	-	-	0.17	0.121	0.152
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	641666	3624.99	17.05	18.00	1.245	-	-	-0.09	0.164	0.204
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	641666	3624.99	17.02	18.00	1.253	-	-	-0.12	0.151	0.189
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	641666	3624.99	17.05	18.00	1.245	-	-	0.04	0.071	0.088
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	641666	3624.99	17.02	18.00	1.253	-	-	-0.06	0.062	0.078
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	641666	3624.99	17.05	18.00	1.245	-	-	-0.04	0.220	0.274
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	641666	3624.99	17.02	18.00	1.253	-	-	-0.04	0.219	0.274
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	641666	3624.99	22.55	24.00	1.396	-	-	0.05	0.045	0.063
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	641666	3624.99	22.53	24.00	1.403	-	-	-0.05	0.045	0.063
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	641666	3624.99	22.55	24.00	1.396	-	-	0.02	0.244	0.341
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	641666	3624.99	22.53	24.00	1.403	-	-	0.15	0.258	0.362
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	641666	3624.99	22.55	24.00	1.396	-	-	-0.03	0.149	0.208
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	641666	3624.99	22.53	24.00	1.403	-	-	0.04	0.143	0.201
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	641666	3624.99	22.55	24.00	1.396	-	-	-0.05	0.138	0.193
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	641666	3624.99	22.53	24.00	1.403	-	-	-0.17	0.132	0.185
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	641666	3624.99	19.25	20.50	1.334	-	-	-0.13	0.113	0.151
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	641666	3624.99	19.23	20.50	1.340	-	-	0.1	0.101	0.135
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	641666	3624.99	19.25	20.50	1.334	-	-	-0.09	0.147	0.196
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	641666	3624.99	19.23	20.50	1.340	-	-	-0.14	0.130	0.174
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	641666	3624.99	19.25	20.50	1.334	-	-	0.05	0.236	0.315
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	641666	3624.99	19.23	20.50	1.340	-	-	0.07	0.185	0.248
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	641666	3624.99	19.25	20.50	1.334	-	-	0.13	0.039	0.052
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	641666	3624.99	19.23	20.50	1.340	-	-	0.01	0.025	0.033
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	641666	3624.99	18.78	20.10	1.355	-	-	0.01	0.155	0.210
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	641666	3624.99	18.73	20.10	1.371	-	-	-0.16	0.154	0.211
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	641666	3624.99	18.78	20.10	1.355	-	-	0.05	0.283	0.384



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	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	641666	3624.99	18.73	20.10	1.371	-	-	-0.06	0.276	0.378
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	641666	3624.99	18.78	20.10	1.355	-	-	-0.08	0.130	0.176
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	641666	3624.99	18.73	20.10	1.371	-	-	0.07	0.122	0.167
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	641666	3624.99	18.78	20.10	1.355	-	-	-0.04	0.062	0.084
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	641666	3624.99	18.73	20.10	1.371	-	-	-0.04	0.077	0.106
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	641666	3624.99	18.78	20.10	1.355	-	-	-0.11	0.456	0.618
67	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	641666	3624.99	18.73	20.10	1.371	-	-	0.03	0.479	0.657
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	656000	3840	16.25	16.50	1.059	-	-	0.02	0.058	0.061
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	656000	3840	16.22	16.50	1.067	-	-	0.09	0.048	0.051
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	656000	3840	16.25	16.50	1.059	-	-	-0.14	0.078	0.083
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	656000	3840	16.22	16.50	1.067	-	-	-0.07	0.060	0.064
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	656000	3840	16.25	16.50	1.059	-	-	-0.19	0.038	0.040
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	656000	3840	16.22	16.50	1.067	-	-	0.11	0.037	0.039
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	656000	3840	16.25	16.50	1.059	-	-	0.16	0.104	0.110
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	656000	3840	16.22	16.50	1.067	-	-	-0.08	0.084	0.090
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	656000	3840	19.78	20.00	1.052	50	1.000	-0.1	0.112	0.118
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	656000	3840	14.53	15.80	1.340	-	-	0.17	0.076	0.102
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	656000	3840	17.54	18.80	1.337	50	1.000	0.07	0.072	0.096
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	633334	3500.01	15.66	16.50	1.213	-	-	-0.03	0.131	0.159
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	633334	3500.01	15.64	16.50	1.219	-	-	-0.05	0.093	0.113
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	633334	3500.01	15.66	16.50	1.213	-	-	-0.07	0.173	0.210
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	633334	3500.01	15.64	16.50	1.219	-	-	0.18	0.144	0.176
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	633334	3500.01	15.66	16.50	1.213	-	-	0.03	0.081	0.098
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	633334	3500.01	15.64	16.50	1.219	-	-	0.01	0.057	0.069
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	15.66	16.50	1.213	-	-	-0.14	0.185	0.224
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	15.64	16.50	1.219	-	-	0.15	0.174	0.212
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	19.24	20.00	1.191	50	1.000	-0.18	0.193	0.230
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	14.25	15.80	1.429	-	-	0.11	0.176	0.251
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	17.27	18.80	1.422	50	1.000	-0.1	0.163	0.232
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	656000	3840	22.33	22.50	1.040	-	-	-0.1	0.048	0.050
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	656000	3840	22.32	22.50	1.042	-	-	0.17	0.028	0.029
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	656000	3840	22.33	22.50	1.040	-	-	-0.01	0.183	0.190
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	656000	3840	22.32	22.50	1.042	-	-	0.09	0.139	0.145
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	656000	3840	22.33	22.50	1.040	-	-	-0.04	0.093	0.097
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	656000	3840	22.32	22.50	1.042	-	-	-0.1	0.071	0.074
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	656000	3840	22.33	22.50	1.040	-	-	0.04	0.115	0.120
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	656000	3840	22.32	22.50	1.042	-	-	0.02	0.094	0.098
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	656000	3840	25.87	26.00	1.030	50	1.000	-0.07	0.197	0.203
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	656000	3840	20.69	22.20	1.416	-	-	0.06	0.155	0.219
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	656000	3840	23.75	25.20	1.396	50	1.000	0.16	0.151	0.211
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	633334	3500.01	22.26	22.50	1.057	-	-	-0.17	0.041	0.043
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	633334	3500.01	22.19	22.50	1.074	-	-	-0.13	0.035	0.038
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	22.26	22.50	1.057	-	-	-0.15	0.287	0.303
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	22.19	22.50	1.074	-	-	-0.17	0.276	0.296
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	633334	3500.01	22.26	22.50	1.057	-	-	0.02	0.145	0.153
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	633334	3500.01	22.19	22.50	1.074	-	-	0.17	0.137	0.147
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	633334	3500.01	22.26	22.50	1.057	-	-	-0.1	0.168	0.178
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	633334	3500.01	22.19	22.50	1.074	-	-	-0.06	0.152	0.163
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	25.83	26.00	1.040	50	1.000	-0.09	0.303	0.315
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	20.53	22.20	1.469	-	-	-0.01	0.242	0.355
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633332	3499.98	23.56	25.20	1.459	50	1.000	0.18	0.241	0.352
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	656000	3840	19.45	19.50	1.012	-	-	-0.1	0.141	0.143
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	656000	3840	19.41	19.50	1.021	-	-	0.13	0.143	0.146
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	656000	3840	19.45	19.50	1.012	-	-	-0.16	0.291	0.294
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	656000	3840	19.41	19.50	1.021	-	-	-0.14	0.273	0.279
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	656000	3840	19.45	19.50	1.012	-	-	0.18	0.276	0.279



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	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	656000	3840	19.41	19.50	1.021	-	-	0.13	0.295	0.301
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	656000	3840	19.45	19.50	1.012	-	-	0.12	0.070	0.071
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	656000	3840	19.41	19.50	1.021	-	-	0.19	0.077	0.079
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	656000	3840	22.92	23.00	1.019	50	1.000	0.01	0.305	0.311
	FR1 n77_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	656000	3840	18.12	18.70	1.143	-	-	0.06	0.239	0.273
	FR1 n77 PC2_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	656000	3840	21.15	21.70	1.135	50	1.000	0.03	0.231	0.262
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	633334	3500.01	19.07	19.50	1.104	-	-	0.18	0.152	0.168
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	633334	3500.01	19.01	19.50	1.119	-	-	-0.03	0.119	0.133
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	633334	3500.01	19.07	19.50	1.104	-	-	-0.17	0.237	0.262
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	633334	3500.01	19.01	19.50	1.119	-	-	0.14	0.203	0.227
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	19.07	19.50	1.104	-	-	-0.09	0.446	0.492
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	19.01	19.50	1.119	-	-	-0.1	0.315	0.353
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	633334	3500.01	19.07	19.50	1.104	-	-	0.04	0.035	0.039
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	633334	3500.01	19.01	19.50	1.119	-	-	-0.05	0.026	0.029
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	22.62	23.00	1.091	50	1.000	0.01	0.461	0.503
	FR1 n77_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	18.10	18.70	1.148	-	-	0.16	0.326	0.374
	FR1 n77 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	21.11	21.70	1.146	50	1.000	0.12	0.306	0.351
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	656000	3840	19.25	20.30	1.274	-	-	0.17	0.105	0.134
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	656000	3840	19.18	20.30	1.294	-	-	0.1	0.092	0.119
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	656000	3840	19.25	20.30	1.274	-	-	-0.04	0.186	0.237
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	656000	3840	19.18	20.30	1.294	-	-	0.1	0.148	0.192
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	656000	3840	19.25	20.30	1.274	-	-	0.03	0.072	0.092
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	656000	3840	19.18	20.30	1.294	-	-	-0.02	0.071	0.092
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	656000	3840	19.25	20.30	1.274	-	-	-0.17	0.068	0.087
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	656000	3840	19.18	20.30	1.294	-	-	-0.18	0.042	0.054
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	656000	3840	19.25	20.30	1.274	-	-	-0.05	0.279	0.355
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	656000	3840	19.18	20.30	1.294	-	-	-0.03	0.249	0.322
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	656000	3840	22.26	23.30	1.271	50	1.000	-0.05	0.261	0.332
	FR1 n77_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	656000	3840	17.47	18.70	1.327	-	-	0.05	0.195	0.259
	FR1 n77 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	656000	3840	20.50	21.70	1.318	50	1.000	0.13	0.185	0.244
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	633334	3500.01	18.71	20.30	1.442	-	-	-0.12	0.151	0.218
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	633334	3500.01	18.69	20.30	1.449	-	-	-0.02	0.114	0.165
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	633334	3500.01	18.71	20.30	1.442	-	-	-0.13	0.294	0.424
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	633334	3500.01	18.69	20.30	1.449	-	-	0.18	0.223	0.323
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	633334	3500.01	18.71	20.30	1.442	-	-	-0.09	0.169	0.244
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	633334	3500.01	18.69	20.30	1.449	-	-	-0.17	0.138	0.200
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	633334	3500.01	18.71	20.30	1.442	-	-	0.12	0.108	0.156
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	633334	3500.01	18.69	20.30	1.449	-	-	0.08	0.075	0.109
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	18.71	20.30	1.442	-	-	-0.09	0.410	0.591
68	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	18.69	20.30	1.449	-	-	0.11	0.437	0.633
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	21.66	23.30	1.459	50	1.000	0.14	0.419	0.611
	FR1 n77_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	17.35	18.70	1.365	-	-	0.18	0.245	0.334
	FR1 n77 PC2_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	20.30	21.70	1.380	50	1.000	-0.08	0.233	0.322
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	650000	3750	16.25	16.50	1.059	-	-	-0.01	0.064	0.068
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	650000	3750	16.18	16.50	1.076	-	-	0.16	0.058	0.062
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	650000	3750	16.25	16.50	1.059	-	-	0.16	0.101	0.107
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	650000	3750	16.18	16.50	1.076	-	-	-0.16	0.091	0.098
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	650000	3750	16.25	16.50	1.059	-	-	0.15	0.041	0.043
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	650000	3750	16.18	16.50	1.076	-	-	0.03	0.037	0.040
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	650000	3750	16.25	16.50	1.059	-	-	-0.03	0.134	0.142
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	650000	3750	16.18	16.50	1.076	-	-	0.12	0.111	0.119
	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	650000	3750	19.78	20.00	1.052	50	1.000	0.09	0.138	0.145
	FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	650000	3750	14.39	15.50	1.291	-	-	0.15	0.122	0.158
	FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	650000	3750	17.45	18.50	1.274	50	1.000	-0.09	0.119	0.152
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	633334	3500.01	16.16	16.50	1.081	-	-	0.1	0.138	0.149
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 5	633334	3500.01	16.11	16.50	1.094	-	-	0.06	0.101	0.110



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FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	633334	3500.01	16.16	16.50	1.081	-	-	0.16	0.181	0.196
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 5	633334	3500.01	16.11	16.50	1.094	-	-	0.13	0.150	0.164
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	633334	3500.01	16.16	16.50	1.081	-	-	0.11	0.077	0.083
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 5	633334	3500.01	16.11	16.50	1.094	-	-	0.11	0.058	0.063
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	16.16	16.50	1.081	-	-	-0.01	0.277	0.300
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	16.11	16.50	1.094	-	-	0.09	0.208	0.228
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	19.55	20.00	1.109	50	1.000	0.02	0.285	0.316
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	14.05	15.50	1.396	-	-	-0.13	0.182	0.254
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 5	633334	3500.01	17.09	18.50	1.384	50	1.000	0.06	0.176	0.244
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	650000	3750	23.15	23.50	1.084	-	-	-0.01	0.039	0.042
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	650000	3750	23.13	23.50	1.089	-	-	0.15	0.041	0.045
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	650000	3750	23.15	23.50	1.084	-	-	-0.06	0.352	0.382
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	650000	3750	23.13	23.50	1.089	-	-	-0.04	0.275	0.299
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	650000	3750	23.15	23.50	1.084	-	-	0.18	0.165	0.179
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	650000	3750	23.13	23.50	1.089	-	-	0.14	0.131	0.143
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	650000	3750	23.15	23.50	1.084	-	-	0.18	0.197	0.214
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	650000	3750	23.13	23.50	1.089	-	-	-0.02	0.150	0.163
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	650000	3750	26.71	27.00	1.069	50	1.000	0.11	0.366	0.391
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	650000	3750	21.71	22.40	1.172	-	-	-0.07	0.241	0.282
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	650000	3750	24.75	25.40	1.161	50	1.000	0.05	0.232	0.269
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	633334	3500.01	23.10	23.50	1.096	-	-	0.03	0.052	0.057
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 10	DSI 5	633334	3500.01	23.04	23.50	1.112	-	-	0.14	0.041	0.046
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	23.10	23.50	1.096	-	-	-0.15	0.399	0.437
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	23.04	23.50	1.112	-	-	0.1	0.360	0.400
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	633334	3500.01	23.10	23.50	1.096	-	-	-0.17	0.194	0.213
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 10	DSI 5	633334	3500.01	23.04	23.50	1.112	-	-	0.12	0.179	0.199
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	633334	3500.01	23.10	23.50	1.096	-	-	-0.1	0.205	0.225
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 10	DSI 5	633334	3500.01	23.04	23.50	1.112	-	-	-0.09	0.192	0.213
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	26.60	27.00	1.096	50	1.000	-0.17	0.411	0.451
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	21.31	22.40	1.285	-	-	0.15	0.274	0.352
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 10	DSI 5	633334	3500.01	24.35	25.40	1.274	50	1.000	-0.08	0.255	0.325
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	650000	3750	19.40	19.50	1.023	-	-	-0.09	0.137	0.140
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	650000	3750	19.35	19.50	1.035	-	-	0.02	0.145	0.150
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	650000	3750	19.40	19.50	1.023	-	-	-0.06	0.275	0.281
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	650000	3750	19.35	19.50	1.035	-	-	-0.11	0.286	0.296
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	650000	3750	19.40	19.50	1.023	-	-	-0.11	0.236	0.241
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	650000	3750	19.35	19.50	1.035	-	-	-0.14	0.257	0.266
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	650000	3750	19.40	19.50	1.023	-	-	0.04	0.068	0.070
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	650000	3750	19.35	19.50	1.035	-	-	0.03	0.072	0.075
FR1 n78 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	650000	3750	22.91	23.00	1.021	50	1.000	0.14	0.298	0.304
FR1 n78_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	650000	3750	17.80	18.60	1.202	-	-	-0.16	0.190	0.228
FR1 n78 PC2_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	650000	3750	20.83	21.60	1.194	50	1.000	-0.01	0.179	0.214
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	633334	3500.01	19.15	19.50	1.084	-	-	0.05	0.154	0.167
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 4	DSI 5	633334	3500.01	19.14	19.50	1.086	-	-	-0.02	0.128	0.139
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	633334	3500.01	19.15	19.50	1.084	-	-	-0.08	0.275	0.298
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 4	DSI 5	633334	3500.01	19.14	19.50	1.086	-	-	0.13	0.210	0.228
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	19.15	19.50	1.084	-	-	-0.07	0.381	0.413
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	19.14	19.50	1.086	-	-	0.18	0.364	0.395
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	633334	3500.01	19.15	19.50	1.084	-	-	-0.04	0.030	0.033
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 4	DSI 5	633334	3500.01	19.14	19.50	1.086	-	-	0.11	0.050	0.054
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	22.70	23.00	1.072	50	1.000	0.12	0.398	0.426
FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	18.09	18.60	1.125	-	-	0.04	0.310	0.349
FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4	DSI 5	633334	3500.01	21.11	21.60	1.119	50	1.000	0.04	0.296	0.331
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	650000	3750	18.73	19.80	1.279	-	-	0.03	0.164	0.210
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	650000	3750	18.69	19.80	1.291	-	-	0.06	0.122	0.158
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	650000	3750	18.73	19.80	1.279	-	-	0.03	0.255	0.326



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	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	650000	3750	18.69	19.80	1.291	-	-	-0.17	0.196	0.253
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	650000	3750	18.73	19.80	1.279	-	-	0.13	0.101	0.129
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	650000	3750	18.69	19.80	1.291	-	-	-0.17	0.073	0.094
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	650000	3750	18.73	19.80	1.279	-	-	-0.13	0.080	0.102
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	650000	3750	18.69	19.80	1.291	-	-	-0.07	0.062	0.080
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	650000	3750	18.73	19.80	1.279	-	-	-0.02	0.446	0.571
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	650000	3750	18.69	19.80	1.291	-	-	-0.03	0.316	0.408
69	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	650000	3750	21.75	22.80	1.274	50	1.000	-0.01	0.469	0.597
	FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	650000	3750	16.96	18.20	1.330	-	-	-0.17	0.281	0.374
	FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	650000	3750	20.02	21.20	1.312	50	1.000	-0.17	0.273	0.358
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	633334	3500.01	18.29	19.80	1.416	-	-	-0.1	0.128	0.181
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 5	633334	3500.01	18.23	19.80	1.435	-	-	-0.17	0.103	0.148
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	633334	3500.01	18.29	19.80	1.416	-	-	0.11	0.230	0.326
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 5	633334	3500.01	18.23	19.80	1.435	-	-	-0.18	0.233	0.334
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	633334	3500.01	18.29	19.80	1.416	-	-	-0.14	0.162	0.229
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 5	633334	3500.01	18.23	19.80	1.435	-	-	0.06	0.130	0.187
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	633334	3500.01	18.29	19.80	1.416	-	-	-0.09	0.098	0.139
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 5	633334	3500.01	18.23	19.80	1.435	-	-	0.13	0.068	0.098
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	18.29	19.80	1.416	-	-	-0.02	0.416	0.589
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	18.23	19.80	1.435	-	-	-0.1	0.344	0.494
	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	21.32	22.80	1.406	50	1.000	0.04	0.396	0.557
	FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	16.89	18.20	1.352	-	-	0.05	0.272	0.368
	FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 5	633334	3500.01	19.95	21.20	1.334	50	1.000	0.1	0.265	0.353

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	0.05	0.239	0.284
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	0.11	0.374	0.444
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	-0.04	0.059	0.070
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	0.02	0.675	0.801
70	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant15+7(15)	Full power	6	2437	19.42	20.00	1.143	97.04	1.031	0.03	0.693	0.817
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	0.08	0.422	0.501
	Bluetooth	1Mbps	Front	10mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	-0.15	0.183	0.266
	Bluetooth	1Mbps	Back	10mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	0.01	0.224	0.326
	Bluetooth	1Mbps	Left Side	10mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	-0.11	0.005	0.007
	Bluetooth	1Mbps	Right Side	10mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	-0.16	0.002	0.003
71	Bluetooth	1Mbps	Top Side	10mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	-0.07	0.489	0.711
	Bluetooth	1Mbps	Front	10mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	0.15	0.050	0.072
	Bluetooth	1Mbps	Back	10mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	0.05	0.065	0.093
	Bluetooth	1Mbps	Left Side	10mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	-0.11	0.006	0.009
	Bluetooth	1Mbps	Right Side	10mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	-0.04	0.127	0.182
	Bluetooth	1Mbps	Top Side	10mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	-0.16	0.003	0.004
5000MHz																
	WLAN5.2GHz	802.11a 6Mbps	Front	10mm	Ant17+16(16)	Full power	44	5220	18.97	19.50	1.130	99.32	1.007	0.01	0.563	0.641
72	WLAN5.2GHz	802.11a 6Mbps	Back	10mm	Ant17+16(16)	Full power	44	5220	18.97	19.50	1.130	99.32	1.007	0.01	0.881	1.002
	WLAN5.2GHz	802.11a 6Mbps	Back	10mm	Ant17+16(16)	Full power	44	5220	18.97	19.50	1.130	99.32	1.007	0.06	0.875	0.995
	WLAN5.2GHz	802.11a 6Mbps	Left Side	10mm	Ant17+16(16)	Full power	36	5180	18.51	19.50	1.256	99.32	1.007	-0.19	0.748	0.946
	WLAN5.2GHz	802.11a 6Mbps	Right Side	10mm	Ant17+16(16)	Full power	44	5220	18.97	19.50	1.130	99.32	1.007	0.15	0.108	0.123
	WLAN5.2GHz	802.11a 6Mbps	Top Side	10mm	Ant17+16(16)	Full power	44	5220	18.97	19.50	1.130	99.32	1.007	0.14	0.252	0.287
	WLAN5.8GHz	802.11a 6Mbps	Front	10mm	Ant17+16(17)	Standalone	165	5825	18.49	19.00	1.125	99.32	1.007	-0.12	0.307	0.348
	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant17+16(17)	Standalone	165	5825	18.49	19.00	1.125	99.32	1.007	-0.07	0.754	0.854
73	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant17+16(16)	Standalone	149	5745	17.98	18.50	1.127	99.32	1.007	0.08	0.896	1.017
	WLAN5.8GHz	802.11a 6Mbps	Left Side	10mm	Ant17+16(17)	Standalone	165	5825	18.49	19.00	1.125	99.32	1.007	0.11	0.079	0.089
	WLAN5.8GHz	802.11a 6Mbps	Right Side	10mm	Ant17+16(17)	Standalone	165	5825	18.49	19.00	1.125	99.32	1.007	-0.07	0.591	0.669
	WLAN5.8GHz	802.11a 6Mbps	Top Side	10mm	Ant17+16(17)	Standalone	165	5825	18.49	19.00	1.125	99.32	1.007	0.08	0.410	0.464



16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 71	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	133322	683	25.14	25.70	1.138	-	-	0.17	0.156	0.177
	LTE Band 71	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 4	133322	683	24.19	24.70	1.125	-	-	-0.1	0.134	0.151
	LTE Band 71	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	133322	683	25.14	25.70	1.138	-	-	0.15	0.158	0.180
	LTE Band 71	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 4	133322	683	24.19	24.70	1.125	-	-	0.17	0.121	0.136
	LTE Band 71	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	133322	683	25.35	25.40	1.012	-	-	-0.15	0.143	0.145
	LTE Band 71	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 4	133322	683	24.40	24.40	1.000	-	-	0.18	0.135	0.135
74	LTE Band 71	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	133322	683	25.35	25.40	1.012	-	-	-0.03	0.194	0.196
	LTE Band 71	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 4	133322	683	24.40	24.40	1.000	-	-	0.05	0.192	0.192
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	23095	707.5	25.16	25.70	1.132	-	-	0.04	0.204	0.231
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	23095	707.5	24.18	24.70	1.127	-	-	0.15	0.171	0.193
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	23095	707.5	25.16	25.70	1.132	-	-	-0.08	0.223	0.253
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	23095	707.5	24.18	24.70	1.127	-	-	0.03	0.183	0.206
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	23095	707.5	25.41	25.70	1.069	-	-	-0.1	0.192	0.205
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	23095	707.5	24.45	24.70	1.059	-	-	0.14	0.181	0.192
75	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	23095	707.5	25.41	25.70	1.069	-	-	0.04	0.266	0.284
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	23095	707.5	24.45	24.70	1.059	-	-	-0.16	0.244	0.258
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	23230	782	25.14	25.70	1.138	-	-	-0.02	0.093	0.106
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	23230	782	24.16	24.70	1.132	-	-	0.1	0.073	0.083
	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	23230	782	25.14	25.70	1.138	-	-	0.08	0.104	0.118
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	23230	782	24.16	24.70	1.132	-	-	-0.1	0.082	0.093
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	-0.05	0.516	0.535
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	-0.04	0.442	0.458
76	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	-0.03	0.684	0.710
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	0.01	0.582	0.602
	FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	136100	680.5	25.25	25.70	1.109	-	-	0.08	0.108	0.120
	FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	136100	680.5	25.21	25.70	1.119	-	-	0.01	0.149	0.167
	FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	136100	680.5	25.25	25.70	1.109	-	-	0.03	0.116	0.129
	FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	136100	680.5	25.21	25.70	1.119	-	-	-0.02	0.151	0.169
	FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	136100	680.5	25.32	25.70	1.091	-	-	-0.08	0.245	0.267
	FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	136100	680.5	25.28	25.70	1.102	-	-	-0.08	0.275	0.303
	FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	136100	680.5	25.32	25.70	1.091	-	-	0.1	0.347	0.379
77	FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	136100	680.5	25.28	25.70	1.102	-	-	-0.09	0.438	0.482
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	141500	707.5	25.52	25.70	1.042	-	-	0.08	0.220	0.229
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	141500	707.5	25.47	25.70	1.054	-	-	-0.17	0.227	0.239
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	141500	707.5	25.52	25.70	1.042	-	-	-0.03	0.233	0.243
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	141500	707.5	25.47	25.70	1.054	-	-	-0.06	0.249	0.263
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	141500	707.5	25.63	25.70	1.016	-	-	-0.18	0.175	0.178
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	141500	707.5	25.58	25.70	1.028	-	-	0.1	0.248	0.255
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	141500	707.5	25.63	25.70	1.016	-	-	0.12	0.229	0.233
78	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	141500	707.5	25.58	25.70	1.028	-	-	0.05	0.356	0.366
850MHz																				
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 0	DSI 4	189	836.4	26.89	28.00	1.291	-	-	-0.09	0.157	0.203
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 0	DSI 4	189	836.4	26.89	28.00	1.291	-	-	0.06	0.159	0.205
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 1	DSI 4	189	836.4	27.09	28.60	1.416	-	-	-0.18	0.387	0.548
79	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 1	DSI 4	189	836.4	27.09	28.60	1.416	-	-	-0.07	0.520	0.736
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI 4	4182	836.4	24.43	25.00	1.140	-	-	0.03	0.189	0.216
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 4	4182	836.4	24.43	25.00	1.140	-	-	0.01	0.214	0.244
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 4	4182	836.4	20.51	21.50	1.256	-	-	-0.11	0.248	0.311
80	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 4	4182	836.4	20.51	21.50	1.256	-	-	0.01	0.346	0.435
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	20525	836.5	25.25	25.70	1.109	-	-	-0.16	0.222	0.246



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	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 4	20525	836.5	24.28	24.70	1.102	-	-	0.15	0.228	0.251
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	20525	836.5	25.25	25.70	1.109	-	-	-0.14	0.267	0.296
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 4	20525	836.5	24.28	24.70	1.102	-	-	-0.15	0.264	0.291
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	20525	836.5	21.11	21.70	1.146	-	-	0.06	0.307	0.352
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 1	DSI 4	20525	836.5	21.08	21.70	1.153	-	-	0.15	0.300	0.346
81	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	20525	836.5	21.11	21.70	1.146	-	-	-0.04	0.404	0.463
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 1	DSI 4	20525	836.5	21.08	21.70	1.153	-	-	-0.1	0.397	0.458
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 4	26865	831.5	25.04	25.70	1.164	-	-	0.17	0.230	0.268
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 0	DSI 4	26865	831.5	24.12	24.70	1.143	-	-	0.13	0.237	0.271
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 4	26865	831.5	25.04	25.70	1.164	-	-	-0.11	0.283	0.329
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 0	DSI 4	26865	831.5	24.12	24.70	1.143	-	-	-0.02	0.280	0.320
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	0.01	0.276	0.277
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	0.1	0.278	0.281
82	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	0.02	0.375	0.377
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	0.13	0.361	0.365
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	167300	836.5	25.33	25.70	1.089	-	-	0.14	0.280	0.305
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	167300	836.5	25.23	25.70	1.114	-	-	0.11	0.250	0.279
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	167300	836.5	25.33	25.70	1.089	-	-	-0.05	0.310	0.338
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	167300	836.5	25.23	25.70	1.114	-	-	0.18	0.282	0.314
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	167300	836.5	21.65	21.70	1.012	-	-	-0.17	0.263	0.266
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	167300	836.5	21.55	21.70	1.035	-	-	0.17	0.264	0.273
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	167300	836.5	21.65	21.70	1.012	-	-	-0.05	0.346	0.350
83	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	167300	836.5	21.55	21.70	1.035	-	-	-0.04	0.356	0.369
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	166300	831.5	25.39	25.70	1.074	-	-	0.1	0.273	0.293
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 0	DSI 4	166300	831.5	25.34	25.70	1.086	-	-	-0.17	0.274	0.298
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	166300	831.5	25.39	25.70	1.074	-	-	0.04	0.312	0.335
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 0	DSI 4	166300	831.5	25.34	25.70	1.086	-	-	-0.01	0.298	0.324
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	0.05	0.547	0.553
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	15mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	0.06	0.565	0.573
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	-0.09	0.722	0.730
84	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	15mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	-0.01	0.784	0.795
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 5	DSI 4	1413	1732.6	24.27	25.00	1.183	-	-	-0.04	0.271	0.321
85	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 5	DSI 4	1413	1732.6	24.27	25.00	1.183	-	-	-0.07	0.413	0.489
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 4	1413	1732.6	20.38	21.90	1.419	-	-	-0.12	0.191	0.271
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 4	1413	1732.6	20.38	21.90	1.419	-	-	-0.1	0.214	0.304
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 6	DSI 4	1413	1732.6	21.54	22.90	1.368	-	-	-0.07	0.249	0.341
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 6	DSI 4	1413	1732.6	21.54	22.90	1.368	-	-	-0.01	0.340	0.465
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 7	DSI 4	1413	1732.6	19.58	21.00	1.387	-	-	-0.03	0.103	0.143
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 7	DSI 4	1413	1732.6	19.58	21.00	1.387	-	-	0.07	0.131	0.182
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	20175	1732.5	24.89	25.70	1.205	-	-	-0.13	0.298	0.359
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	20175	1732.5	24.02	24.70	1.169	-	-	0.05	0.312	0.365
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	20175	1732.5	24.89	25.70	1.205	-	-	-0.15	0.443	0.534
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	20175	1732.5	24.02	24.70	1.169	-	-	0.17	0.483	0.565
	LTE Band 4_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	20175	1732.5	22.26	23.20	1.242	-	-	-0.11	0.301	0.374
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	20175	1732.5	21.13	22.60	1.403	-	-	0.07	0.176	0.247
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	20175	1732.5	21.08	22.60	1.419	-	-	0.01	0.178	0.253
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	20175	1732.5	21.13	22.60	1.403	-	-	0.05	0.210	0.295
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	20175	1732.5	21.08	22.60	1.419	-	-	-0.12	0.211	0.299
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	20175	1732.5	18.79	19.90	1.291	-	-	0.19	0.130	0.168
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	20175	1732.5	25.10	25.70	1.148	-	-	-0.01	0.298	0.342
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	20175	1732.5	24.13	24.70	1.140	-	-	-0.19	0.453	0.517
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	20175	1732.5	25.10	25.70	1.148	-	-	-0.05	0.610	0.700
86	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	20175	1732.5	24.13	24.70	1.140	-	-	-0.03	0.620	0.707
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	20175	1732.5	21.67	22.90	1.327	-	-	-0.08	0.408	0.542
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	20175	1732.5	20.01	21.40	1.377	-	-	0.15	0.122	0.168



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	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	20175	1732.5	19.99	21.40	1.384	-	-	0.12	0.129	0.178
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	20175	1732.5	20.01	21.40	1.377	-	-	-0.12	0.130	0.179
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	20175	1732.5	19.99	21.40	1.384	-	-	-0.16	0.174	0.241
	LTE Band 4_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	20175	1732.5	18.05	19.50	1.396	-	-	-0.15	0.095	0.133
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	132322	1745	25.35	25.70	1.084	-	-	-0.13	0.337	0.365
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	132322	1745	24.32	24.70	1.091	-	-	-0.05	0.344	0.375
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	132322	1745	25.35	25.70	1.084	-	-	-0.12	0.513	0.556
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	132322	1745	24.32	24.70	1.091	-	-	0.02	0.537	0.586
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	132322	1745	21.13	22.60	1.403	-	-	0.03	0.169	0.237
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	132322	1745	21.10	22.60	1.413	-	-	0.09	0.167	0.236
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	132322	1745	21.13	22.60	1.403	-	-	0.11	0.213	0.299
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	132322	1745	21.10	22.60	1.413	-	-	-0.13	0.200	0.283
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	132322	1745	19.01	20.00	1.256	-	-	-0.09	0.208	0.261
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	132322	1745	25.18	25.70	1.127	-	-	0.12	0.409	0.461
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	132322	1745	24.24	24.70	1.112	-	-	0.11	0.407	0.452
87	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	132322	1745	25.18	25.70	1.127	-	-	0.01	0.565	0.637
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	132322	1745	24.24	24.70	1.112	-	-	0.11	0.555	0.617
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	132322	1745	22.64	24.10	1.400	-	-	-0.06	0.384	0.537
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	132322	1745	19.99	21.50	1.416	-	-	0.02	0.133	0.188
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	132322	1745	19.95	21.50	1.429	-	-	0.12	0.132	0.189
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	132322	1745	19.99	21.50	1.416	-	-	0.11	0.175	0.248
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	132322	1745	19.95	21.50	1.429	-	-	0.02	0.173	0.247
	LTE Band 66_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	132322	1745	18.18	19.60	1.387	-	-	-0.11	0.104	0.144
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	349000	1745	25.44	25.70	1.062	-	-	0.13	0.363	0.385
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	349000	1745	25.38	25.70	1.076	-	-	0.12	0.368	0.396
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	349000	1745	25.44	25.70	1.062	-	-	0.03	0.510	0.541
88	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	349000	1745	25.38	25.70	1.076	-	-	0.05	0.569	0.613
	FR1 n66_Other PA	45M	QPSK	120	60	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	349000	1745	21.78	22.80	1.265	-	-	0.18	0.241	0.305
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	349000	1745	21.36	21.80	1.107	-	-	-0.1	0.324	0.359
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	349000	1745	21.33	21.80	1.114	-	-	0.07	0.301	0.335
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	349000	1745	21.36	21.80	1.107	-	-	-0.08	0.447	0.495
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	349000	1745	21.33	21.80	1.114	-	-	0.18	0.421	0.469
	FR1 n66_Main PA	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	349000	1745	19.26	19.90	1.159	-	-	-0.1	0.209	0.242
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	349000	1745	25.01	25.50	1.119	-	-	-0.15	0.366	0.410
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	349000	1745	24.97	25.50	1.130	-	-	0.19	0.318	0.359
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	349000	1745	25.01	25.50	1.119	-	-	-0.11	0.497	0.556
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	349000	1745	24.97	25.50	1.130	-	-	0.07	0.429	0.485
	FR1 n66_Main PA	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	349000	1745	22.60	23.70	1.288	-	-	-0.18	0.392	0.505
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	349000	1745	22.08	23.20	1.294	-	-	-0.15	0.259	0.335
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	349000	1745	21.98	23.20	1.324	-	-	-0.15	0.215	0.285
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	349000	1745	22.08	23.20	1.294	-	-	-0.01	0.319	0.413
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	349000	1745	21.98	23.20	1.324	-	-	0.11	0.283	0.375
	FR1 n66_Main PA	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	349000	1745	20.95	22.10	1.303	-	-	-0.08	0.224	0.292
1900MHz																				
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 5	DSI 4	661	1880	23.90	25.00	1.288	-	-	-0.11	0.122	0.157
89	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 5	DSI 4	661	1880	23.90	25.00	1.288	-	-	-0.05	0.184	0.237
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 4	DSI 4	661	1880	20.74	22.50	1.500	-	-	-0.06	0.010	0.015
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 4	DSI 4	661	1880	20.74	22.50	1.500	-	-	0.01	0.054	0.081
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 5	DSI 4	9400	1880	24.35	25.00	1.161	-	-	0.03	0.245	0.285
90	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 5	DSI 4	9400	1880	24.35	25.00	1.161	-	-	0.15	0.411	0.477
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 4	9400	1880	19.78	21.20	1.387	-	-	0.02	0.112	0.155
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 4	9400	1880	19.78	21.20	1.387	-	-	-0.07	0.161	0.223
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 6	DSI 4	9400	1880	22.16	23.30	1.300	-	-	0.18	0.225	0.293
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 6	DSI 4	9400	1880	22.16	23.30	1.300	-	-	-0.06	0.324	0.421
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 7	DSI 4	9400	1880	19.96	21.30	1.361	-	-	0.19	0.104	0.142
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 7	DSI 4	9400	1880	19.96	21.30	1.361	-	-	-0.11	0.120	0.163



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	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	18900	1880	24.11	25.00	1.227	-	-	-0.03	0.244	0.299
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	18900	1880	23.17	24.00	1.211	-	-	0.12	0.216	0.261
91	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	18900	1880	24.11	25.00	1.227	-	-	0.11	0.396	0.486
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	18900	1880	23.17	24.00	1.211	-	-	0.19	0.344	0.416
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	18900	1880	20.16	21.70	1.426	-	-	-0.12	0.119	0.170
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	18900	1880	20.14	21.70	1.432	-	-	0.07	0.123	0.176
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	18900	1880	20.16	21.70	1.426	-	-	-0.02	0.172	0.245
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	18900	1880	20.14	21.70	1.432	-	-	-0.18	0.170	0.243
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	18900	1880	22.41	23.80	1.377	-	-	0.07	0.249	0.343
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	18900	1880	21.38	22.80	1.387	-	-	-0.15	0.200	0.277
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	18900	1880	22.41	23.80	1.377	-	-	-0.16	0.342	0.471
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	18900	1880	21.38	22.80	1.387	-	-	-0.15	0.277	0.384
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	18900	1880	20.21	21.60	1.377	-	-	-0.04	0.121	0.167
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	18900	1880	19.15	20.60	1.396	-	-	0.02	0.100	0.140
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	18900	1880	20.21	21.60	1.377	-	-	-0.14	0.146	0.201
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	18900	1880	19.15	20.60	1.396	-	-	-0.07	0.121	0.169
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	26340	1880	24.02	25.00	1.253	-	-	0.12	0.229	0.287
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	26340	1880	23.09	24.00	1.233	-	-	-0.07	0.205	0.253
92	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	26340	1880	24.02	25.00	1.253	-	-	0.17	0.354	0.444
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	26340	1880	23.09	24.00	1.233	-	-	-0.05	0.306	0.377
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	26340	1880	20.23	21.80	1.435	-	-	0.13	0.109	0.156
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	26340	1880	19.78	21.30	1.419	-	-	-0.03	0.111	0.158
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	26340	1880	20.23	21.80	1.435	-	-	-0.15	0.156	0.224
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	26340	1880	19.78	21.30	1.419	-	-	0.09	0.155	0.220
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	26340	1880	21.84	23.30	1.400	-	-	-0.04	0.205	0.287
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	26340	1880	20.77	22.30	1.422	-	-	0.17	0.169	0.240
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	26340	1880	21.84	23.30	1.400	-	-	0.03	0.298	0.417
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	26340	1880	20.77	22.30	1.422	-	-	0.06	0.231	0.329
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	26340	1880	19.77	21.20	1.390	-	-	-0.11	0.104	0.145
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	26340	1880	18.73	20.20	1.403	-	-	0.03	0.091	0.128
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	26340	1880	19.77	21.20	1.390	-	-	-0.04	0.129	0.179
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	26340	1880	18.73	20.20	1.403	-	-	0.09	0.111	0.156
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	376000	1880	24.62	25.00	1.091	-	-	-0.17	0.260	0.284
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	376000	1880	24.54	25.00	1.112	-	-	-0.08	0.236	0.262
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	376000	1880	24.62	25.00	1.091	-	-	-0.01	0.389	0.425
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	376000	1880	24.54	25.00	1.112	-	-	-0.04	0.379	0.421
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	376000	1880	19.75	20.90	1.303	-	-	0.17	0.132	0.172
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	376000	1880	19.69	20.90	1.321	-	-	0.18	0.139	0.184
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	376000	1880	19.75	20.90	1.303	-	-	0.01	0.205	0.267
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	376000	1880	19.69	20.90	1.321	-	-	-0.04	0.193	0.255
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	376000	1880	21.83	23.30	1.403	-	-	-0.13	0.230	0.323
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	376000	1880	21.80	23.30	1.413	-	-	-0.13	0.231	0.326
93	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	376000	1880	21.83	23.30	1.403	-	-	0.02	0.310	0.435
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	376000	1880	21.80	23.30	1.413	-	-	0.06	0.307	0.434
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	376000	1880	19.97	21.30	1.358	-	-	-0.03	0.089	0.121
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	376000	1880	19.93	21.30	1.371	-	-	0.08	0.102	0.140
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	376000	1880	19.97	21.30	1.358	-	-	0.02	0.123	0.167
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	376000	1880	19.93	21.30	1.371	-	-	-0.07	0.121	0.166
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	376500	1882.5	24.44	25.00	1.138	-	-	-0.11	0.246	0.280
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	376500	1882.5	24.42	25.00	1.143	-	-	-0.12	0.239	0.273
94	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	376500	1882.5	24.44	25.00	1.138	-	-	-0.01	0.375	0.427
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	376500	1882.5	24.42	25.00	1.143	-	-	0.03	0.359	0.410
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	376500	1882.5	19.83	20.90	1.279	-	-	-0.02	0.061	0.078
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	376500	1882.5	19.81	20.90	1.285	-	-	0.15	0.074	0.095
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	376500	1882.5	19.83	20.90	1.279	-	-	0.02	0.103	0.132
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	376500	1882.5	19.81	20.90	1.285	-	-	-0.09	0.095	0.122



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	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	376500	1882.5	21.82	23.30	1.406	-	-	-0.05	0.200	0.281
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	376500	1882.5	21.80	23.30	1.413	-	-	-0.08	0.193	0.273
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	376500	1882.5	21.82	23.30	1.406	-	-	0.01	0.276	0.388
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	376500	1882.5	21.80	23.30	1.413	-	-	0.16	0.256	0.362
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	376500	1882.5	19.94	21.30	1.368	-	-	0.05	0.095	0.130
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	376500	1882.5	19.91	21.30	1.377	-	-	-0.03	0.096	0.132
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	376500	1882.5	19.94	21.30	1.368	-	-	-0.06	0.121	0.165
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	376500	1882.5	19.91	21.30	1.377	-	-	-0.15	0.120	0.165
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	21100	2535	24.78	25.50	1.180	-	-	0.08	0.305	0.360
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	21100	2535	23.73	24.50	1.194	-	-	0.01	0.258	0.308
95	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	21100	2535	24.78	25.50	1.180	-	-	0.19	0.510	0.602
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	21100	2535	23.73	24.50	1.194	-	-	0.03	0.429	0.512
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	21100	2535	21.33	22.30	1.250	-	-	-0.08	0.206	0.258
	LTE Band 7C	20M	QPSK	1	99	-	Back	15mm	Ant 5	DSI 4	21100+21298	2535+2554.8	24.05	25.50	1.396	-	-	0.01	0.402	0.561
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	21100	2535	18.69	20.00	1.352	-	-	0.1	0.110	0.149
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	21100	2535	18.68	20.00	1.355	-	-	-0.18	0.113	0.153
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	21100	2535	18.69	20.00	1.352	-	-	0.01	0.165	0.223
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	21100	2535	18.68	20.00	1.355	-	-	0.1	0.172	0.233
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	21100	2535	18.51	19.90	1.377	-	-	0.12	0.152	0.209
	LTE Band 7C	20M	QPSK	1	99	-	Back	15mm	Ant 4	DSI 4	21100+21298	2535+2554.8	18.38	19.50	1.294	-	-	0.06	0.122	0.158
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	21100	2535	24.26	25.50	1.330	-	-	-0.17	0.272	0.362
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	21100	2535	23.30	24.50	1.318	-	-	-0.03	0.224	0.295
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	21100	2535	24.26	25.50	1.330	-	-	-0.03	0.411	0.547
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	21100	2535	23.30	24.50	1.318	-	-	0.14	0.329	0.434
	LTE Band 7_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	21100	2535	24.24	25.50	1.337	-	-	0.11	0.284	0.380
	LTE Band 7C	20M	QPSK	1	99	-	Back	15mm	Ant 6	DSI 4	21100+21298	2535+2554.8	23.17	24.50	1.358	-	-	0.06	0.322	0.437
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	21100	2535	19.25	20.40	1.303	-	-	0.18	0.136	0.177
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	21100	2535	19.20	20.40	1.318	-	-	0.14	0.146	0.192
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	21100	2535	19.25	20.40	1.303	-	-	-0.17	0.181	0.236
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	21100	2535	19.20	20.40	1.318	-	-	0.02	0.184	0.243
	LTE Band 7_Main PA	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	21100	2535	18.85	20.20	1.365	-	-	0.17	0.167	0.228
	LTE Band 7C	20M	QPSK	1	99	-	Back	15mm	Ant 7	DSI 4	21100+21298	2535+2554.8	18.34	19.90	1.432	-	-	0.09	0.125	0.179
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	38000	2595	25.35	25.70	1.084	62.9	1.006	0.01	0.253	0.276
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	38000	2595	24.37	24.70	1.079	62.9	1.006	0.1	0.211	0.229
96	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	38000	2595	25.35	25.70	1.084	62.9	1.006	-0.04	0.350	0.382
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	38000	2595	24.37	24.70	1.079	62.9	1.006	-0.17	0.282	0.306
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	38000	2595	21.48	22.50	1.265	62.9	1.006	0.04	0.142	0.181
	LTE Band 38C	20M	QPSK	1	99	-	Back	15mm	Ant 5	DSI 4	37901+38099	2585.1+2604.9	25.27	25.70	1.104	62.9	1.006	-0.04	0.298	0.331
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	38000	2595	22.39	23.60	1.321	62.9	1.006	-0.08	0.138	0.183
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	38000	2595	22.31	23.60	1.346	62.9	1.006	0.05	0.134	0.181
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	38000	2595	22.39	23.60	1.321	62.9	1.006	-0.05	0.217	0.288
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	38000	2595	22.31	23.60	1.346	62.9	1.006	0.06	0.204	0.276
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	38000	2595	21.73	23.20	1.403	62.9	1.006	-0.09	0.195	0.275
	LTE Band 38C	20M	QPSK	1	99	-	Back	15mm	Ant 4	DSI 4	37901+38099	2585.1+2604.9	21.42	23.10	1.472	62.9	1.006	0.02	0.156	0.231
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	38000	2595	24.48	25.50	1.265	62.9	1.006	0.13	0.196	0.249
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	38000	2595	23.46	24.50	1.271	62.9	1.006	0.12	0.151	0.193
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	38000	2595	24.48	25.50	1.265	62.9	1.006	-0.17	0.300	0.382
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	38000	2595	23.46	24.50	1.271	62.9	1.006	0.03	0.239	0.305
	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	38000	2595	24.04	25.50	1.400	62.9	1.006	0.18	0.262	0.369
	LTE Band 38C	20M	QPSK	1	99	-	Back	15mm	Ant 6	DSI 4	37901+38099	2585.1+2604.9	24.22	25.50	1.343	62.9	1.006	0.07	0.235	0.317
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	38000	2595	21.59	22.60	1.262	62.9	1.006	-0.1	0.119	0.151
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	38000	2595	21.54	22.60	1.276	62.9	1.006	0.07	0.100	0.128
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	38000	2595	21.59	22.60	1.262	62.9	1.006	-0.07	0.182	0.231
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	38000	2595	21.54	22.60	1.276	62.9	1.006	0.18	0.143	0.184



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	LTE Band 38_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	38000	2595	20.25	21.80	1.429	62.9	1.006	-0.1	0.151	0.217
	LTE Band 38C	20M	QPSK	1	99	-	Back	15mm	Ant 7	DSI 4	37901+38099	2585.1+2604.9	19.80	21.10	1.349	62.9	1.006	0.02	0.116	0.157
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	40620	2593	25.10	25.70	1.148	62.9	1.006	-0.15	0.217	0.251
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	40620	2593	24.19	24.70	1.125	62.9	1.006	0.19	0.179	0.203
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	40620	2593	25.10	25.70	1.148	62.9	1.006	0.13	0.280	0.323
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	40620	2593	24.19	24.70	1.125	62.9	1.006	0.07	0.242	0.274
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	40620	2593	21.42	22.50	1.282	62.9	1.006	-0.18	0.115	0.148
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	40620	2593	21.39	22.60	1.321	62.9	1.006	-0.15	0.118	0.157
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	40620	2593	21.23	22.60	1.371	62.9	1.006	-0.15	0.116	0.160
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	40620	2593	21.39	22.60	1.321	62.9	1.006	-0.07	0.186	0.247
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	40620	2593	21.23	22.60	1.371	62.9	1.006	0.11	0.178	0.245
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	40620	2593	20.79	22.20	1.384	62.9	1.006	-0.08	0.157	0.219
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	40620	2593	24.46	25.50	1.271	62.9	1.006	-0.08	0.202	0.258
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	40620	2593	23.50	24.50	1.259	62.9	1.006	-0.04	0.177	0.224
97	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	40620	2593	24.46	25.50	1.271	62.9	1.006	-0.02	0.278	0.355
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	40620	2593	23.50	24.50	1.259	62.9	1.006	-0.08	0.224	0.284
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	40620	2593	24.11	25.50	1.377	62.9	1.006	0.17	0.237	0.328
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 7	DSI 4	40620	2593	21.43	22.60	1.309	62.9	1.006	-0.04	0.129	0.170
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 7	DSI 4	40620	2593	21.42	22.60	1.312	62.9	1.006	-0.08	0.108	0.143
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	40620	2593	21.43	22.60	1.309	62.9	1.006	-0.13	0.181	0.238
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 7	DSI 4	40620	2593	21.42	22.60	1.312	62.9	1.006	-0.13	0.145	0.191
	LTE Band 41_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 7	DSI 4	40620	2593	20.35	21.80	1.396	62.9	1.006	-0.13	0.128	0.180
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	507000	2535	25.36	25.50	1.033	-	-	0.02	0.331	0.342
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 5	DSI 4	507000	2535	25.31	25.50	1.045	-	-	0.07	0.327	0.342
98	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	507000	2535	25.36	25.50	1.033	-	-	0.09	0.519	0.536
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	507000	2535	25.31	25.50	1.045	-	-	0.16	0.490	0.512
	FR1 n7_Other PA	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 5	DSI 4	507000	2535	21.82	22.50	1.169	-	-	0.13	0.223	0.261
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	507000	2535	19.12	20.20	1.282	-	-	-0.18	0.109	0.140
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 4	DSI 4	507000	2535	19.10	20.20	1.288	-	-	0.02	0.120	0.155
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	507000	2535	19.12	20.20	1.282	-	-	0.16	0.159	0.204
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	507000	2535	19.10	20.20	1.288	-	-	-0.02	0.184	0.237
	FR1 n7_Main PA	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 4	DSI 4	507000	2535	18.85	19.80	1.245	-	-	-0.03	0.170	0.212
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	507000	2535	25.25	25.50	1.059	-	-	0.07	0.331	0.351
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 6	DSI 4	507000	2535	25.20	25.50	1.072	-	-	0.02	0.339	0.363
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	507000	2535	25.25	25.50	1.059	-	-	0.01	0.416	0.441
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	507000	2535	25.20	25.50	1.072	-	-	-0.06	0.447	0.479
	FR1 n7_Main PA	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 6	DSI 4	507000	2535	24.15	25.10	1.245	-	-	-0.01	0.238	0.296
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	507000	2535	19.85	20.80	1.245	-	-	-0.06	0.110	0.137
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 7	DSI 4	507000	2535	19.79	20.80	1.262	-	-	-0.04	0.117	0.148
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	507000	2535	19.85	20.80	1.245	-	-	-0.09	0.171	0.213
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	507000	2535	19.79	20.80	1.262	-	-	0.01	0.163	0.206
	FR1 n7_Main PA	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 7	DSI 4	507000	2535	18.75	20.00	1.334	-	-	-0.17	0.116	0.155
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	519000	2595	25.38	25.70	1.076	-	-	-0.1	0.333	0.358
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	519000	2595	25.33	25.70	1.089	-	-	0.18	0.330	0.359
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	519000	2595	25.38	25.70	1.076	-	-	-0.02	0.463	0.498
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	519000	2595	25.33	25.70	1.089	-	-	-0.17	0.454	0.494
	FR1 n38_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	519000	2595	21.76	22.50	1.186	-	-	-0.04	0.159	0.189
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	519000	2595	19.42	20.70	1.343	-	-	-0.05	0.103	0.138
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	519000	2595	19.37	20.70	1.358	-	-	0.09	0.097	0.132
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	519000	2595	19.42	20.70	1.343	-	-	-0.13	0.175	0.235
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	519000	2595	19.37	20.70	1.358	-	-	-0.01	0.150	0.204
	FR1 n38_Main PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	519000	2595	19.65	20.60	1.245	-	-	0.01	0.171	0.213
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	519000	2595	25.10	25.50	1.096	-	-	-0.09	0.355	0.389
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	519000	2595	25.07	25.50	1.104	-	-	0.05	0.337	0.372
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	519000	2595	25.10	25.50	1.096	-	-	0.02	0.450	0.493
99	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	519000	2595	25.07	25.50	1.104	-	-	-0.01	0.455	0.502



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	FR1 n38_Main PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	519000	2595	24.53	25.40	1.222	-	-	-0.13	0.403	0.492
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 7	DSI 4	519000	2595	19.83	20.60	1.194	-	-	0.17	0.130	0.155
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 7	DSI 4	519000	2595	19.83	20.60	1.194	-	-	0.06	0.105	0.125
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 7	DSI 4	519000	2595	19.83	20.60	1.194	-	-	-0.09	0.167	0.199
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 7	DSI 4	519000	2595	19.83	20.60	1.194	-	-	0.01	0.133	0.159
	FR1 n38_Main PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 7	DSI 4	519000	2595	19.10	20.20	1.288	-	-	-0.04	0.117	0.151
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	518598	2592.99	25.05	25.50	1.109	-	-	-0.15	0.395	0.438
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	518598	2592.99	24.96	25.00	1.009	-	-	0.11	0.394	0.398
100	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	518598	2592.99	25.05	25.50	1.109	-	-	-0.01	0.552	0.612
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	518598	2592.99	24.96	25.00	1.009	-	-	-0.02	0.540	0.545
	FR1 n41_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	518598	2592.99	21.17	22.10	1.239	-	-	0.1	0.244	0.302
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	518598	2592.99	18.79	20.20	1.384	-	-	0.04	0.085	0.118
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	518598	2592.99	18.78	20.20	1.387	-	-	0.13	0.078	0.108
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	518598	2592.99	18.79	20.20	1.384	-	-	-0.18	0.173	0.239
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	518598	2592.99	18.78	20.20	1.387	-	-	-0.11	0.122	0.169
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	518598	2592.99	19.14	20.30	1.306	-	-	0.01	0.165	0.216
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	518598	2592.99	25.13	25.50	1.089	-	-	0.08	0.365	0.397
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	518598	2592.99	25.09	25.50	1.099	-	-	0.01	0.344	0.378
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	518598	2592.99	25.13	25.50	1.089	-	-	0.01	0.453	0.493
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	518598	2592.99	25.09	25.50	1.099	-	-	0.03	0.408	0.448
	FR1 n41_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	518598	2592.99	24.47	25.60	1.297	-	-	-0.08	0.379	0.492
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 7	DSI 4	518598	2592.99	19.36	20.20	1.213	-	-	-0.08	0.072	0.087
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 7	DSI 4	518598	2592.99	19.33	20.20	1.222	-	-	0.1	0.088	0.108
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 7	DSI 4	518598	2592.99	19.36	20.20	1.213	-	-	0.02	0.112	0.136
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 7	DSI 4	518598	2592.99	19.33	20.20	1.222	-	-	-0.18	0.117	0.143
	FR1 n41_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 7	DSI 4	518598	2592.99	18.65	20.00	1.365	-	-	0.1	0.080	0.109
3500MHz ~ 3900MHz																				
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	42590	3500	25.12	26.00	1.225	62.9	1.006	-0.02	0.201	0.248
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	42590	3500	24.19	25.00	1.205	62.9	1.006	0.15	0.246	0.298
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	42590	3500	25.12	26.00	1.225	62.9	1.006	-0.09	0.287	0.354
101	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	42590	3500	24.19	25.00	1.205	62.9	1.006	0.01	0.336	0.407
	LTE Band 42_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	42590	3500	22.55	23.90	1.365	62.9	1.006	-0.09	0.260	0.357
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 10	DSI 4	42590	3500	25.06	26.00	1.242	62.9	1.006	0.11	0.010	0.012
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 10	DSI 4	42590	3500	24.15	25.00	1.216	62.9	1.006	-0.05	0.006	0.007
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 10	DSI 4	42590	3500	25.06	26.00	1.242	62.9	1.006	0.1	0.218	0.272
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 10	DSI 4	42590	3500	24.15	25.00	1.216	62.9	1.006	-0.08	0.164	0.201
	LTE Band 42_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 10	DSI 4	42590	3500	23.55	24.70	1.303	62.9	1.006	-0.09	0.201	0.264
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	42590	3500	22.34	22.70	1.086	62.9	1.006	0.16	0.118	0.129
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	42590	3500	22.25	22.70	1.109	62.9	1.006	0.05	0.113	0.126
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	42590	3500	22.34	22.70	1.086	62.9	1.006	-0.08	0.139	0.152
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	42590	3500	22.25	22.70	1.109	62.9	1.006	0.05	0.130	0.145
	LTE Band 42_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	42590	3500	21.20	22.20	1.259	62.9	1.006	-0.03	0.107	0.136
	LTE Band 42	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	42590	3500	23.75	25.00	1.334	62.9	1.006	-0.15	0.135	0.181
	LTE Band 42	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	42590	3500	22.76	24.00	1.330	62.9	1.006	0.02	0.100	0.134
	LTE Band 42	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	42590	3500	23.75	25.00	1.334	62.9	1.006	0.08	0.235	0.315
	LTE Band 42	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	42590	3500	22.76	24.00	1.330	62.9	1.006	0.07	0.186	0.249
	LTE Band 42_Main PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	42590	3500	21.87	23.30	1.390	62.9	1.006	0.16	0.121	0.169
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 5	DSI 4	55830	3609	22.78	24.50	1.486	62.9	1.006	-0.17	0.134	0.200
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 5	DSI 4	55830	3609	21.79	23.50	1.483	62.9	1.006	-0.03	0.160	0.239
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 5	DSI 4	55830	3609	22.78	24.50	1.486	62.9	1.006	0.14	0.190	0.284
102	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 5	DSI 4	55830	3609	21.79	23.50	1.483	62.9	1.006	-0.03	0.220	0.328
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 10	DSI 4	55830	3609	23.57	25.00	1.390	62.9	1.006	0.13	0.120	0.168
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 10	DSI 4	55830	3609	22.61	24.00	1.377	62.9	1.006	-0.18	0.115	0.159
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 10	DSI 4	55830	3609	23.57	25.00	1.390	62.9	1.006	-0.07	0.156	0.218
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 10	DSI 4	55830	3609	22.61	24.00	1.377	62.9	1.006	0.02	0.129	0.179
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 4	55830	3609	21.76	23.00	1.330	62.9	1.006	0.16	0.053	0.071



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	LTE Band 48_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 4	55830	3609	21.66	23.00	1.361	62.9	1.006	-0.03	0.055	0.075
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 4	55830	3609	21.76	23.00	1.330	62.9	1.006	0.03	0.079	0.106
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 4	55830	3609	21.66	23.00	1.361	62.9	1.006	0.07	0.057	0.078
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Front	15mm	Ant 6	DSI 4	55830	3609	21.86	23.50	1.459	62.9	1.006	0.11	0.079	0.116
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Front	15mm	Ant 6	DSI 4	55830	3609	20.91	22.50	1.442	62.9	1.006	-0.05	0.101	0.147
	LTE Band 48_Other PA	20M	QPSK	1	0	-	Back	15mm	Ant 6	DSI 4	55830	3609	21.86	23.50	1.459	62.9	1.006	0.18	0.162	0.238
	LTE Band 48_Other PA	20M	QPSK	50	0	-	Back	15mm	Ant 6	DSI 4	55830	3609	20.91	22.50	1.442	62.9	1.006	0.15	0.167	0.242
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	6416663624.99	3624.99	23.46	24.50	1.271	-	-	0.12	0.197	0.250
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	6416663624.99	3624.99	23.31	24.50	1.315	-	-	0.08	0.211	0.278
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	6416663624.99	3624.99	23.46	24.50	1.271	-	-	-0.08	0.291	0.370
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	6416663624.99	3624.99	23.31	24.50	1.315	-	-	-0.17	0.268	0.352
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	6416663624.99	3624.99	23.48	25.00	1.419	-	-	0.14	0.038	0.054
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	6416663624.99	3624.99	23.45	25.00	1.429	-	-	0.11	0.043	0.061
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	6416663624.99	3624.99	23.48	25.00	1.419	-	-	-0.02	0.154	0.219
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	6416663624.99	3624.99	23.45	25.00	1.429	-	-	-0.05	0.152	0.217
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	6416663624.99	3624.99	21.75	23.00	1.334	-	-	0.14	0.100	0.133
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	6416663624.99	3624.99	21.67	23.00	1.358	-	-	-0.17	0.105	0.143
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	6416663624.99	3624.99	21.75	23.00	1.334	-	-	0.17	0.113	0.151
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	6416663624.99	3624.99	21.67	23.00	1.358	-	-	-0.05	0.107	0.145
	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	6416663624.99	3624.99	22.15	23.60	1.396	-	-	0.1	0.149	0.208
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	6416663624.99	3624.99	22.11	23.60	1.409	-	-	-0.17	0.150	0.211
103	FR1 n48_Other PA	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	6416663624.99	3624.99	22.15	23.60	1.396	-	-	-0.05	0.316	0.441
	FR1 n48_Other PA	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	6416663624.99	3624.99	22.11	23.60	1.409	-	-	0.04	0.281	0.396
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	656000	3840	24.75	25.00	1.059	-	-	-0.09	0.224	0.237
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	656000	3840	24.71	25.00	1.069	-	-	-0.08	0.198	0.212
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	656000	3840	24.75	25.00	1.059	-	-	0.13	0.225	0.238
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	656000	3840	24.71	25.00	1.069	-	-	0.12	0.196	0.210
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	656000	3840	27.80	28.50	1.175	50	1.000	-0.05	0.231	0.271
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	656000	3840	23.05	24.30	1.334	-	-	0.03	0.146	0.195
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	656000	3840	25.78	27.20	1.387	50	1.000	0.01	0.135	0.187
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	633334	3500.01	24.08	25.00	1.236	-	-	-0.17	0.590	0.729
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	633334	3500.01	24.06	25.00	1.242	-	-	0.04	0.451	0.560
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	24.08	25.00	1.236	-	-	-0.08	0.727	0.899
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	24.06	25.00	1.242	-	-	-0.01	0.576	0.715
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	24.01	25.00	1.256	-	-	-0.08	0.601	0.755
104	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	27.06	28.50	1.393	50	1.000	0.05	0.736	1.025
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	22.76	24.30	1.426	-	-	0.06	0.433	0.617
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	25.54	27.20	1.466	50	1.000	0.17	0.412	0.604
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	656000	3840	25.76	26.00	1.057	-	-	0.1	0.053	0.056
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	656000	3840	25.67	26.00	1.079	-	-	-0.18	0.045	0.049
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	656000	3840	25.76	26.00	1.057	-	-	-0.08	0.189	0.200
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	656000	3840	25.67	26.00	1.079	-	-	0.1	0.154	0.166
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	656000	3840	27.72	29.00	1.343	50	1.000	0.12	0.144	0.193
	FR1 n77_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	656000	3840	24.13	25.70	1.435	-	-	0.08	0.161	0.231
	FR1 n77 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	656000	3840	26.16	27.50	1.361	50	1.000	-0.05	0.131	0.178
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	633334	3500.01	25.57	26.00	1.104	-	-	0.08	0.079	0.087
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	633334	3500.01	25.56	26.00	1.107	-	-	0.01	0.060	0.066
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	25.57	26.00	1.104	-	-	0.03	0.357	0.394
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	25.56	26.00	1.107	-	-	-0.09	0.368	0.407
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	27.54	29.00	1.400	50	1.000	-0.08	0.282	0.395
	FR1 n77_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	23.81	25.70	1.545	-	-	-0.08	0.323	0.499
	FR1 n77 PC2_Other PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	25.83	27.50	1.469	50	1.000	-0.17	0.261	0.383
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	656000	3840	19.95	20.00	1.012	-	-	-0.17	0.099	0.100
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	656000	3840	19.93	20.00	1.016	-	-	0.17	0.101	0.103
	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	656000	3840	19.95	20.00	1.012	-	-	-0.05	0.179	0.181
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	656000	3840	19.93	20.00	1.016	-	-	0.01	0.187	0.190



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FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	656000	3840	23.42	23.50	1.019	50	1.000	0.1	0.195	0.199
FR1 n77_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	656000	3840	18.61	19.20	1.146	-	-	-0.17	0.134	0.153
FR1 n77 PC2_Main PA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	656000	3840	21.63	22.20	1.140	50	1.000	0.14	0.125	0.143
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	633334	3500.01	19.58	20.00	1.102	-	-	-0.01	0.082	0.090
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	633334	3500.01	19.56	20.00	1.107	-	-	-0.08	0.063	0.070
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	19.58	20.00	1.102	-	-	0.05	0.116	0.128
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	19.56	20.00	1.107	-	-	0.06	0.092	0.102
FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	23.12	23.50	1.091	50	1.000	-0.09	0.122	0.133
FR1 n77_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	18.60	19.20	1.148	-	-	-0.08	0.062	0.071
FR1 n77 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	21.63	22.20	1.140	50	1.000	-0.08	0.059	0.067
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	656000	3840	24.15	25.30	1.303	-	-	0.13	0.199	0.259
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	656000	3840	24.13	25.30	1.309	-	-	0.12	0.190	0.249
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	656000	3840	24.15	25.30	1.303	-	-	0.03	0.366	0.477
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	656000	3840	24.13	25.30	1.309	-	-	0.18	0.331	0.433
FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	656000	3840	26.17	27.30	1.297	50	1.000	0.16	0.272	0.353
FR1 n77_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	656000	3840	22.53	23.70	1.309	-	-	-0.1	0.231	0.302
FR1 n77 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	656000	3840	24.56	25.70	1.300	50	1.000	-0.1	0.193	0.251
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	633334	3500.01	23.65	25.30	1.462	-	-	0.18	0.266	0.389
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	633334	3500.01	23.62	25.30	1.472	-	-	-0.1	0.237	0.349
FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	23.65	25.30	1.462	-	-	0.01	0.491	0.718
FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	23.62	25.30	1.472	-	-	-0.15	0.416	0.612
FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	25.66	27.30	1.459	50	1.000	0.19	0.380	0.554
FR1 n77_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	22.36	23.70	1.361	-	-	0.07	0.322	0.438
FR1 n77 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	24.01	25.70	1.476	50	1.000	0.18	0.251	0.370
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	650000	3750	23.77	24.00	1.054	-	-	-0.16	0.235	0.248
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	650000	3750	23.75	24.00	1.059	-	-	-0.18	0.249	0.264
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	650000	3750	23.77	24.00	1.054	-	-	-0.07	0.337	0.355
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	650000	3750	23.75	24.00	1.059	-	-	0.11	0.300	0.318
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	650000	3750	27.29	27.50	1.050	50	1.000	-0.01	0.347	0.364
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	650000	3750	21.93	23.00	1.279	-	-	-0.08	0.227	0.290
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	650000	3750	24.92	26.00	1.282	50	1.000	0.11	0.227	0.291
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	633334	3500.01	23.61	24.00	1.094	-	-	-0.02	0.423	0.463
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 4	633334	3500.01	23.59	24.00	1.099	-	-	0.15	0.322	0.354
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	23.61	24.00	1.094	-	-	-0.09	0.537	0.587
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	23.59	24.00	1.099	-	-	0.11	0.439	0.482
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	27.25	27.50	1.059	50	1.000	-0.03	0.588	0.623
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	21.54	23.00	1.400	-	-	-0.05	0.320	0.448
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 4	633334	3500.01	24.66	26.00	1.361	50	1.000	-0.05	0.309	0.421
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	650000	3750	25.56	26.00	1.107	-	-	-0.08	0.045	0.050
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	650000	3750	25.45	26.00	1.135	-	-	-0.13	0.056	0.064
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	650000	3750	25.56	26.00	1.107	-	-	-0.13	0.269	0.298
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	650000	3750	25.45	26.00	1.135	-	-	0.06	0.208	0.236
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	650000	3750	27.53	29.00	1.403	50	1.000	-0.03	0.205	0.288
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	650000	3750	24.13	24.90	1.194	-	-	-0.03	0.150	0.179
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	650000	3750	26.03	26.80	1.194	50	1.000	0.14	0.123	0.147
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	633334	3500.01	25.67	26.00	1.079	-	-	-0.07	0.082	0.088
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 10	DSI 4	633334	3500.01	25.49	26.00	1.125	-	-	0.05	0.072	0.081
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	25.67	26.00	1.079	-	-	-0.11	0.332	0.358
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	25.49	26.00	1.125	-	-	-0.12	0.307	0.345
FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	27.47	29.00	1.422	50	1.000	0.03	0.239	0.340
FR1 n78_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	23.74	24.90	1.306	-	-	-0.16	0.222	0.290
FR1 n78 PC2_Other PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 10	DSI 4	633334	3500.01	25.64	26.80	1.306	50	1.000	-0.03	0.182	0.238
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	650000	3750	19.40	19.50	1.023	-	-	-0.18	0.073	0.075
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	650000	3750	19.35	19.50	1.035	-	-	0.03	0.070	0.072
FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	650000	3750	19.40	19.50	1.023	-	-	-0.15	0.126	0.129
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	650000	3750	19.35	19.50	1.035	-	-	-0.15	0.124	0.128



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	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	650000	3750	22.95	23.00	1.012	50	1.000	0.11	0.130	0.132
	FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	650000	3750	17.84	18.60	1.191	-	-	-0.08	0.078	0.093
	FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	650000	3750	20.85	21.60	1.189	50	1.000	-0.17	0.075	0.089
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	633334	3500.01	19.15	19.50	1.084	-	-	-0.08	0.076	0.082
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 4	633334	3500.01	19.14	19.50	1.086	-	-	-0.04	0.059	0.064
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	19.15	19.50	1.084	-	-	-0.08	0.118	0.128
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	19.14	19.50	1.086	-	-	0.17	0.077	0.084
	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	22.70	23.00	1.072	50	1.000	0.18	0.121	0.130
	FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	18.09	18.60	1.125	-	-	-0.04	0.091	0.102
	FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 4	633334	3500.01	21.15	21.60	1.109	50	1.000	-0.04	0.088	0.098
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	650000	3750	24.17	25.30	1.297	-	-	0.08	0.235	0.305
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	650000	3750	24.09	25.30	1.321	-	-	0.01	0.183	0.242
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	650000	3750	24.17	25.30	1.297	-	-	-0.03	0.420	0.545
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	650000	3750	24.09	25.30	1.321	-	-	0.03	0.289	0.382
	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	650000	3750	26.13	27.20	1.279	50	1.000	-0.08	0.320	0.409
	FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	650000	3750	22.48	23.70	1.324	-	-	-0.08	0.264	0.350
	FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	650000	3750	24.64	25.50	1.219	50	1.000	0.12	0.215	0.262
	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	633334	3500.01	23.72	25.30	1.439	-	-	0.1	0.256	0.368
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	DSI 4	633334	3500.01	23.61	25.30	1.476	-	-	-0.18	0.210	0.310
105	FR1 n78	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	23.72	25.30	1.439	-	-	-0.04	0.441	0.635
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	23.61	25.30	1.476	-	-	0.1	0.411	0.607
	FR1 n78 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	25.69	27.20	1.416	50	1.000	0.12	0.338	0.479
	FR1 n78_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	22.23	23.70	1.403	-	-	0.08	0.307	0.431
	FR1 n78 PC2_Main PA	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 6	DSI 4	633334	3500.01	24.20	25.50	1.349	50	1.000	0.08	0.256	0.345

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	0.03	0.160	0.190
106	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant15+7(15)	Full power	1	2412	19.39	20.00	1.151	97.04	1.031	-0.04	0.207	0.246
	Bluetooth	1Mbps	Front	15mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	0.01	0.006	0.009
107	Bluetooth	1Mbps	Back	15mm	Ant15	Full power	39	2441	16.22	17.50	1.343	76.93	1.083	0.02	0.110	0.160
	Bluetooth	1Mbps	Front	15mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	-0.17	0.003	0.004
	Bluetooth	1Mbps	Back	15mm	Ant7	Full power	0	2402	15.77	17.00	1.327	77.02	1.082	0.08	0.062	0.089
5000MHz																
	WLAN5.3GHz	802.11a 6Mbps	Front	15mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	0.16	0.402	0.477
108	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	0.01	0.701	0.831
	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant17+16(16)	Full power	60	5300	18.83	19.50	1.167	99.32	1.007	-0.03	0.696	0.818
	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	0.13	0.364	0.441
109	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	-0.02	0.716	0.867
	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant17+16(16)	Full power	124	5620	18.62	19.50	1.225	99.32	1.007	0.11	0.560	0.691
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant17+16(17)	Full power	165	5825	19.49	20.00	1.125	99.32	1.007	0.15	0.218	0.247
110	WLAN5.8GHz	802.11a 6Mbps	Back	15mm	Ant17+16(17)	Full power	165	5825	19.49	20.00	1.125	99.32	1.007	-0.04	0.410	0.464



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)	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																				
	LTE Band 13	10M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	0.08	1.660	1.722
	LTE Band 13	10M	QPSK	25	0	-	Front	0mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	0.01	1.530	1.584
	LTE Band 13	10M	QPSK	1	0	-	Back1	0mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	0.03	0.892	0.925
	LTE Band 13	10M	QPSK	25	0	-	Back1	0mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	-0.08	0.859	0.889
	LTE Band 13	10M	QPSK	1	0	-	Back3	0mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	-0.08	0.822	0.853
	LTE Band 13	10M	QPSK	25	0	-	Back3	0mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	0.1	0.806	0.834
	LTE Band 13	10M	QPSK	1	0	-	Back6	0mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	-0.18	1.590	1.650
	LTE Band 13	10M	QPSK	25	0	-	Back6	0mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	0.1	1.510	1.563
	LTE Band 13	10M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 4	23230	782	25.54	25.70	1.038	-	-	0.02	1.650	1.712
111	LTE Band 13	10M	QPSK	25	0	-	Left Side	0mm	Ant 1	DSI 4	23230	782	24.55	24.70	1.035	-	-	0.01	1.700	1.760
112	FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 4	136100	680.5	25.32	25.70	1.091	-	-	0.1	1.19	1.299
	FR1 n71	35M	QPSK	90	45	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 4	136100	680.5	25.28	25.70	1.102	-	-	0.12	1.11	1.223
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 4	141500	707.5	25.63	25.70	1.016	-	-	0.08	1.64	1.667
113	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 4	141500	707.5	25.58	25.70	1.028	-	-	-0.17	1.76	1.809
850MHz																				
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back1	0mm	Ant 1	DSI 4	189	836.4	27.09	28.60	1.416	-	-	0.08	0.739	1.046
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back3	0mm	Ant 1	DSI 4	189	836.4	27.09	28.60	1.416	-	-	0.08	0.727	1.029
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back6	0mm	Ant 1	DSI 4	189	836.4	27.09	28.60	1.416	-	-	0.01	0.853	1.208
114	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	0mm	Ant 1	DSI 4	189	836.4	27.09	28.60	1.416	-	-	0.01	0.886	1.254
	LTE Band 26	15M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	-0.01	0.580	0.583
	LTE Band 26	15M	QPSK	36	0	-	Front	0mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	-0.11	0.597	0.604
	LTE Band 26	15M	QPSK	1	0	-	Back1	0mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	0.08	0.580	0.583
	LTE Band 26	15M	QPSK	36	0	-	Back1	0mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	0.01	0.597	0.604
	LTE Band 26	15M	QPSK	1	0	-	Back3	0mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	0.03	0.468	0.470
	LTE Band 26	15M	QPSK	36	0	-	Back3	0mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	-0.08	0.487	0.493
	LTE Band 26	15M	QPSK	1	0	-	Back6	0mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	-0.08	1.090	1.095
115	LTE Band 26	15M	QPSK	36	0	-	Back6	0mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	0.1	1.100	1.113
	LTE Band 26	15M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 4	26865	831.5	22.68	22.70	1.005	-	-	-0.18	0.880	0.884
	LTE Band 26	15M	QPSK	36	0	-	Left Side	0mm	Ant 1	DSI 4	26865	831.5	22.65	22.70	1.012	-	-	0.1	0.085	0.086
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	0.08	0.610	0.617
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	0.01	0.587	0.595
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back1	0mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	0.08	0.626	0.633
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back1	0mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	0.01	0.651	0.660
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back3	0mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	0.03	0.522	0.528
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back3	0mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	-0.08	0.550	0.558
116	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back6	0mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	0.04	1.190	1.204
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back6	0mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	-0.08	1.180	1.196
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 4	166300	831.5	22.65	22.70	1.012	-	-	0.1	1.010	1.022
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	0mm	Ant 1	DSI 4	166300	831.5	22.64	22.70	1.014	-	-	-0.18	1.020	1.034
1750MHz																				
117	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 6	DSI 3	1413	1732.6	21.07	22.40	1.358	-	-	0.01	1.660	2.255
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 6	DSI 3	1312	1712.4	20.93	22.40	1.403	-	-	0.06	1.520	2.132
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 6	DSI 3	1513	1752.6	20.96	22.40	1.393	-	-	0.18	1.500	2.090
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 6	DSI 4	1413	1732.6	21.54	22.90	1.368	-	-	0.01	0.443	0.606
118	FR1 n66_Other PA	45M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 4	DSI 4	349000	1745	19.26	19.90	1.159	-	-	0.03	1.73	2.005
	FR1 n66_Other PA	45M	QPSK	120	60	DFT-SCS-15KHz	Left Side	0mm	Ant 4	DSI 4	349000	1745	19.25	19.90	1.161	-	-	-0.08	1.72	1.998
	FR1 n66_Other PA	45M	QPSK	240	0	DFT-SCS-15KHz	Left Side	0mm	Ant 4	DSI 4	349000	1745	19.16	19.90	1.186	-	-	0.02	1.65	1.957
1900MHz																				
119	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 6	DSI 3	9400	1880	21.67	22.80	1.297	-	-	0.01	1.82	2.361
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 6	DSI 3	9262	1852.4	21.64	22.80	1.306	-	-	-0.19	1.75	2.286



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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 6	DSI 3	9538	1907.6	21.52	22.80	1.343	-	-	0.17	1.71	2.296
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 6	DSI 4	9400	1880	22.16	23.30	1.300	-	-	0.01	0.483	0.628
120	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 5	DSI 3	376000	1880	22.61	23.00	1.094	-	-	-0.08	1.870	2.046
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 5	DSI 3	376000	1880	22.56	23.00	1.107	-	-	0.1	1.830	2.025
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 5	DSI 3	376000	1880	22.55	23.00	1.109	-	-	-0.08	1.490	1.653
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 5	DSI 4	376000	1880	24.62	25.00	1.091	-	-	-0.18	0.842	0.919

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
5000MHz																
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	-0.14	1.00	1.186
	WLAN5.3GHz	802.11a 6Mbps	Back1	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	-0.1	0.459	0.544
	WLAN5.3GHz	802.11a 6Mbps	Back3	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	0.15	0.857	1.016
	WLAN5.3GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	0.14	1.92	2.277
121	WLAN5.3GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(16)	Full power	60	5300	18.83	19.50	1.167	99.32	1.007	-0.05	2.02	2.373
	WLAN5.3GHz	802.11a 6Mbps	Back4	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	-0.09	1.36	1.613
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	-0.01	0.126	0.149
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	-0.05	1.02	1.210
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant17+16(16)	Full power	64	5320	18.79	19.50	1.178	99.32	1.007	-0.14	1.25	1.482
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	0.1	0.738	0.893
	WLAN5.5GHz	802.11a 6Mbps	Back1	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	0.11	0.372	0.450
	WLAN5.5GHz	802.11a 6Mbps	Back3	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	-0.12	0.877	1.062
122	WLAN5.5GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	0.08	1.71	2.070
	WLAN5.5GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(16)	Full power	124	5620	18.62	19.50	1.225	99.32	1.007	0.15	1.22	1.504
	WLAN5.5GHz	802.11a 6Mbps	Back4	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	-0.13	1.31	1.586
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	-0.1	0.117	0.142
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	-0.05	1.23	1.489
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant17+16(16)	Full power	132	5660	18.70	19.50	1.202	99.32	1.007	-0.15	0.795	0.962
	WLAN5.8GHz	802.11a 6Mbps	Back1	0mm	Ant17+16(17)	Full power	165	5825	19.49	20.00	1.125	99.32	1.007	0.08	0.340	0.385
	WLAN5.8GHz	802.11a 6Mbps	Back3	0mm	Ant17+16(17)	Full power	165	5825	19.49	20.00	1.125	99.32	1.007	0.01	0.473	0.536
123	WLAN5.8GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(17)	Full power	165	5825	19.49	20.00	1.125	99.32	1.007	0.03	1.31	1.484
	WLAN5.8GHz	802.11a 6Mbps	Back4	0mm	Ant17+16(17)	Full power	165	5825	19.49	20.00	1.125	99.32	1.007	-0.08	1.24	1.404

16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	20525	836.5	21.08	21.70	1.153	-	-	-0.07	0.862	1	0.994
2nd	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 1	20525	836.5	21.08	21.70	1.153	-	-	0.03	0.854	1.009	0.985
1st	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	132572	1770	20.08	20.70	1.153	-	-	0.03	0.944	1	1.089
2nd	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	132572	1770	20.08	20.70	1.153	-	-	0.06	0.938	1.006	1.082
1st	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	26340	1880	20.09	21.00	1.233	-	-	0.02	0.867	1	1.069
2nd	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 1	26340	1880	20.09	21.00	1.233	-	-	0.06	0.855	1.014	1.054
1st	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 1	633334	3500.01	19.24	20.00	1.191	50	1.000	0.04	0.903	1	1.076
2nd	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 1	633334	3500.01	19.24	20.00	1.191	50	1.000	0.01	0.896	1.008	1.067
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Tilted	0mm	Ant15+7(15)	Standalone	6	2437	18.00	18.50	1.122	97.04	1.031	0.08	0.890	1	1.030
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Tilted	0mm	Ant15+7(15)	Standalone	6	2437	18.00	18.50	1.122	97.04	1.031	0.01	0.881	1.010	1.019
1st	WLAN5.3GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant17+16(16)	Standalone	58	5290	15.20	16.00	1.202	100	1.000	0.03	0.901	1	1.083
2nd	WLAN5.3GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant17+16(16)	Standalone	58	5290	15.20	16.00	1.202	100	1.000	0.05	0.895	1.007	1.076
1st	WLAN5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant17+16(16)	Standalone	106	5530	15.77	16.50	1.183	100	1.000	-0.18	0.860	1	1.017
2nd	WLAN5.5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant17+16(16)	Standalone	106	5530	15.77	16.50	1.183	100	1.000	0.05	0.848	1.014	1.003
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant17+16(17)	Standalone	155	5775	16.33	17.00	1.167	100	1.000	-0.02	0.931	1	1.086
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant17+16(17)	Standalone	155	5775	16.33	17.00	1.167	100	1.000	0.06	0.925	1.006	1.079
1st	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSI 5	141500	707.5	24.65	24.70	1.012	-	-	0.16	0.849	1	0.859
2nd	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Left Side	10mm	Ant 1	DSI 5	141500	707.5	24.65	24.70	1.012	-	-	0.02	0.835	1.017	0.845
1st	WLAN5.2GHz	-	-	-	-	802.11a 6Mbps	Back	10mm	Ant17+16(17)	Full power	44	5220	19.65	20.50	1.216	99.32	1.007	0.01	0.881	1	1.079
2nd	WLAN5.2GHz	-	-	-	-	802.11a 6Mbps	Back	10mm	Ant17+16(17)	Full power	44	5220	19.65	20.50	1.216	99.32	1.007	0.06	0.875	1.007	1.072

<10g>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WLAN5.3GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(16)	Full power	60	5300	18.83	19.50	1.167	99.32	1.007	-0.05	2.02	1	2.373
2nd	WLAN5.3GHz	802.11a 6Mbps	Back5	0mm	Ant17+16(16)	Full power	60	5300	18.83	19.50	1.167	99.32	1.007	0.02	2.00	1.010	2.350

General Note:

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

16.6 TDD 5G NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for 5G NR n77/n78. The highest available duty cycle for Power Class 2 operation is 50% 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 5G NR 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.

HPUE_N77_Main PA

NR n77 Part270 (HPUE)-Linearity Data for Head Ant4			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant4		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.70	21.70	Maximum Tune up Power (dBm)	18.70	21.70
Reported 1g SAR (W/kg)	0.622	0.603	Reported 1g SAR (W/kg)	0.905	0.866
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	74.13	73.96	Frame Averaged (mW)	74.13	73.96
Linearity SAR (W/kg)	0.621		Linearity SAR (W/kg)	0.903	
% deviation from expected linearity		-2.82%	% deviation from expected linearity		-4.08%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant4			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant4		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.20	22.20	Maximum Tune up Power (dBm)	19.20	22.20
Reported 1g SAR (W/kg)	0.153	0.143	Reported 1g SAR (W/kg)	0.071	0.067
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	83.18	82.98	Frame Averaged (mW)	83.18	82.98
Linearity SAR (W/kg)	0.153		Linearity SAR (W/kg)	0.071	
% deviation from expected linearity		-6.31%	% deviation from expected linearity		-5.41%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant4			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant4		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.70	21.70	Maximum Tune up Power (dBm)	18.70	21.70
Reported 1g SAR (W/kg)	0.273	0.262	Reported 1g SAR (W/kg)	0.374	0.351
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	74.13	73.96	Frame Averaged (mW)	74.13	73.96
Linearity SAR (W/kg)	0.272		Linearity SAR (W/kg)	0.373	
% deviation from expected linearity		-3.80%	% deviation from expected linearity		-5.93%

NR n77 Part270 (HPUE)-Linearity Data for Head Ant5			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant5		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	20.00	Maximum Tune up Power (dBm)	16.50	20.00
Reported 1g SAR (W/kg)	0.343	0.361	Reported 1g SAR (W/kg)	1.065	1.076
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	50.00	Frame Averaged (mW)	44.67	50.00
Linearity SAR (W/kg)	0.384		Linearity SAR (W/kg)	1.192	
% deviation from expected linearity		-5.98%	% deviation from expected linearity		-9.74%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant5			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant5		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.50	Maximum Tune up Power (dBm)	25.00	28.50
Reported 1g SAR (W/kg)	0.238	0.271	Reported 1g SAR (W/kg)	0.899	1.025
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	353.97	Frame Averaged (mW)	316.23	353.97
Linearity SAR (W/kg)	0.266		Linearity SAR (W/kg)	1.006	



% deviation from expected linearity		1.72%	% deviation from expected linearity		1.86%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant5			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant5		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	20.00	Maximum Tune up Power (dBm)	16.50	20.00
Reported 1g SAR (W/kg)	0.110	0.118	Reported 1g SAR (W/kg)	0.224	0.230
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	50.00	Frame Averaged (mW)	44.67	50.00
Linearity SAR (W/kg)	0.123		Linearity SAR (W/kg)	0.251	
% deviation from expected linearity		-4.17%	% deviation from expected linearity		-8.27%

NR n77 Part270 (HPUE)-Linearity Data for Head Ant6			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant6		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.70	25.70	Maximum Tune up Power (dBm)	23.70	25.70
Reported 1g SAR (W/kg)	0.100	0.078	Reported 1g SAR (W/kg)	0.135	0.108
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	234.42	185.77	Frame Averaged (mW)	234.42	185.77
Linearity SAR (W/kg)	0.079		Linearity SAR (W/kg)	0.107	
% deviation from expected linearity		-1.57%	% deviation from expected linearity		0.95%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant6			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant6		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.70	25.70	Maximum Tune up Power (dBm)	23.70	25.70
Reported 1g SAR (W/kg)	0.302	0.251	Reported 1g SAR (W/kg)	0.438	0.370
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	234.42	185.77	Frame Averaged (mW)	234.42	185.77
Linearity SAR (W/kg)	0.239		Linearity SAR (W/kg)	0.347	
% deviation from expected linearity		4.88%	% deviation from expected linearity		6.60%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant6			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant6		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.70	21.70	Maximum Tune up Power (dBm)	18.70	21.70
Reported 1g SAR (W/kg)	0.259	0.244	Reported 1g SAR (W/kg)	0.334	0.322
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	74.13	73.96	Frame Averaged (mW)	74.13	73.96
Linearity SAR (W/kg)	0.258		Linearity SAR (W/kg)	0.333	
% deviation from expected linearity		-5.57%	% deviation from expected linearity		-3.36%

NR n77 Part270 (HPUE)-Linearity Data for Head Ant10			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant10		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	26.00	29.00	Maximum Tune up Power (dBm)	26.00	29.00
Reported 1g SAR (W/kg)	0.210	0.218	Reported 1g SAR (W/kg)	0.393	0.395
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	398.11	397.16	Frame Averaged (mW)	398.11	397.16
Linearity SAR (W/kg)	0.210		Linearity SAR (W/kg)	0.392	
% deviation from expected linearity		4.06%	% deviation from expected linearity		0.75%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant10			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant10		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	26.00	29.00	Maximum Tune up Power (dBm)	26.00	29.00
Reported 1g SAR (W/kg)	0.200	0.193	Reported 1g SAR (W/kg)	0.407	0.395
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	398.11	397.16	Frame Averaged (mW)	398.11	397.16
Linearity SAR (W/kg)	0.200		Linearity SAR (W/kg)	0.406	



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% deviation from expected linearity		-3.27%	% deviation from expected linearity		-2.72%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant10			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant10		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	26.00	Maximum Tune up Power (dBm)	22.50	26.00
Reported 1g SAR (W/kg)	0.190	0.203	Reported 1g SAR (W/kg)	0.303	0.315
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	199.05	Frame Averaged (mW)	177.83	199.05
Linearity SAR (W/kg)	0.213		Linearity SAR (W/kg)	0.339	
% deviation from expected linearity		-4.55%	% deviation from expected linearity		-7.13%

HPUE_N77_other PA

NR n77 Part270 (HPUE)-Linearity Data for Head Ant4			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant4		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	23.00	Maximum Tune up Power (dBm)	19.50	23.00
Reported 1g SAR (W/kg)	0.776	0.790	Reported 1g SAR (W/kg)	0.929	0.956
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	99.76	Frame Averaged (mW)	89.13	99.76
Linearity SAR (W/kg)	0.869		Linearity SAR (W/kg)	1.040	
% deviation from expected linearity		-9.05%	% deviation from expected linearity		-8.07%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant4			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant4		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.00	23.50	Maximum Tune up Power (dBm)	20.00	23.50
Reported 1g SAR (W/kg)	0.190	0.199	Reported 1g SAR (W/kg)	0.128	0.133
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	100.00	111.94	Frame Averaged (mW)	100.00	111.94
Linearity SAR (W/kg)	0.213		Linearity SAR (W/kg)	0.143	
% deviation from expected linearity		-6.43%	% deviation from expected linearity		-7.17%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant4			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant4		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	23.00	Maximum Tune up Power (dBm)	19.50	23.00
Reported 1g SAR (W/kg)	0.301	0.311	Reported 1g SAR (W/kg)	0.492	0.503
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	99.76	Frame Averaged (mW)	89.13	99.76
Linearity SAR (W/kg)	0.337		Linearity SAR (W/kg)	0.551	
% deviation from expected linearity		-7.70%	% deviation from expected linearity		-8.67%

NR n77 Part270 (HPUE)-Linearity Data for Head Ant5			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant5		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.80	18.80	Maximum Tune up Power (dBm)	15.80	18.80
Reported 1g SAR (W/kg)	0.228	0.221	Reported 1g SAR (W/kg)	0.914	0.888
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	38.02	37.93	Frame Averaged (mW)	38.02	37.93
Linearity SAR (W/kg)	0.227		Linearity SAR (W/kg)	0.912	
% deviation from expected linearity		-2.84%	% deviation from expected linearity		-2.61%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant5			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant5		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	24.30	27.20	Maximum Tune up Power (dBm)	24.30	27.20
Reported 1g SAR (W/kg)	0.195	0.187	Reported 1g SAR (W/kg)	0.617	0.604
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%



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Frame Averaged (mW)	269.15	262.40	Frame Averaged (mW)	269.15	262.40
Linearity SAR (W/kg)	0.190		Linearity SAR (W/kg)	0.602	
% deviation from expected linearity		-1.64%	% deviation from expected linearity		0.41%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant5			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant5		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.80	18.80	Maximum Tune up Power (dBm)	15.80	18.80
Reported 1g SAR (W/kg)	0.102	0.096	Reported 1g SAR (W/kg)	0.251	0.232
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	38.02	37.93	Frame Averaged (mW)	38.02	37.93
Linearity SAR (W/kg)	0.102		Linearity SAR (W/kg)	0.250	
% deviation from expected linearity		-5.66%	% deviation from expected linearity		-7.35%

NR n77 Part270 (HPUE)-Linearity Data for Head Ant6			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant6		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.30	27.30	Maximum Tune up Power (dBm)	25.30	27.30
Reported 1g SAR (W/kg)	0.206	0.167	Reported 1g SAR (W/kg)	0.222	0.168
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	338.84	268.52	Frame Averaged (mW)	338.84	268.52
Linearity SAR (W/kg)	0.163		Linearity SAR (W/kg)	0.176	
% deviation from expected linearity		2.30%	% deviation from expected linearity		-4.50%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant6			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant6		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.30	27.30	Maximum Tune up Power (dBm)	25.30	27.30
Reported 1g SAR (W/kg)	0.477	0.353	Reported 1g SAR (W/kg)	0.718	0.554
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	338.84	268.52	Frame Averaged (mW)	338.84	268.52
Linearity SAR (W/kg)	0.378		Linearity SAR (W/kg)	0.569	
% deviation from expected linearity		-6.61%	% deviation from expected linearity		-2.63%
NR n77 Part270 (HPUE)-Linearity Data for Hotspot Ant6			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant6		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.30	23.30	Maximum Tune up Power (dBm)	20.30	23.30
Reported 1g SAR (W/kg)	0.355	0.332	Reported 1g SAR (W/kg)	0.633	0.611
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	107.15	106.90	Frame Averaged (mW)	107.15	106.90
Linearity SAR (W/kg)	0.354		Linearity SAR (W/kg)	0.632	
% deviation from expected linearity		-6.26%	% deviation from expected linearity		-3.25%

NR n77 Part270 (HPUE)-Linearity Data for Head Ant10			NR n77 Part27Q (HPUE)-Linearity Data for Head Ant10		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.70	27.50	Maximum Tune up Power (dBm)	25.70	27.50
Reported 1g SAR (W/kg)	0.235	0.180	Reported 1g SAR (W/kg)	0.397	0.295
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	371.54	281.17	Frame Averaged (mW)	371.54	281.17
Linearity SAR (W/kg)	0.178		Linearity SAR (W/kg)	0.300	
% deviation from expected linearity		1.21%	% deviation from expected linearity		-1.81%
NR n77 Part270 (HPUE)-Linearity Data for Body-worn Ant10			NR n77 Part27Q (HPUE)-Linearity Data for Body-worn Ant10		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.70	27.50	Maximum Tune up Power (dBm)	25.70	27.50
Reported 1g SAR (W/kg)	0.231	0.178	Reported 1g SAR (W/kg)	0.499	0.383
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%



Frame Averaged (mW)	371.54	281.17	Frame Averaged (mW)	371.54	281.17
Linearity SAR (W/kg)	0.175		Linearity SAR (W/kg)	0.378	
% deviation from expected linearity		1.82%	% deviation from expected linearity		1.42%
NR n77 Part27O (HPUE)-Linearity Data for Hotspot Ant10			NR n77 Part27Q (HPUE)-Linearity Data for Hotspot Ant10		
	NR n77 (Power Class 3)	NR n77 (Power Class 2)		NR n77 (Power Class 3)	NR n77 (Power Class 2)
Maximum Tune up Power (dBm)	22.20	25.20	Maximum Tune up Power (dBm)	22.20	25.20
Reported 1g SAR (W/kg)	0.219	0.211	Reported 1g SAR (W/kg)	0.355	0.352
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	165.96	165.57	Frame Averaged (mW)	165.96	165.57
Linearity SAR (W/kg)	0.218		Linearity SAR (W/kg)	0.354	
% deviation from expected linearity		-3.42%	% deviation from expected linearity		-0.61%

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NR N78 Part27O (HPUE)-Linearity Data for Head Ant4			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant4		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	18.60	21.60	Maximum Tune up Power (dBm)	18.60	21.60
Reported 1g SAR (W/kg)	0.471	0.453	Reported 1g SAR (W/kg)	0.685	0.673
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	72.44	72.27	Frame Averaged (mW)	72.44	72.27
Linearity SAR (W/kg)	0.470		Linearity SAR (W/kg)	0.683	
% deviation from expected linearity		-3.59%	% deviation from expected linearity		-1.52%
NR N78 Part27O (HPUE)-Linearity Data for Body-worn Ant4			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant4		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	18.60	21.60	Maximum Tune up Power (dBm)	18.60	21.60
Reported 1g SAR (W/kg)	0.093	0.089	Reported 1g SAR (W/kg)	0.102	0.098
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	72.44	72.27	Frame Averaged (mW)	72.44	72.27
Linearity SAR (W/kg)	0.093		Linearity SAR (W/kg)	0.102	
% deviation from expected linearity		-4.07%	% deviation from expected linearity		-3.69%
NR N78 Part27O (HPUE)-Linearity Data for Hotspot Ant4			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant4		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	18.60	21.60	Maximum Tune up Power (dBm)	18.60	21.60
Reported 1g SAR (W/kg)	0.228	0.214	Reported 1g SAR (W/kg)	0.349	0.331
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	72.44	72.27	Frame Averaged (mW)	72.44	72.27
Linearity SAR (W/kg)	0.227		Linearity SAR (W/kg)	0.348	
% deviation from expected linearity		-5.92%	% deviation from expected linearity		-4.93%

NR N78 Part27O (HPUE)-Linearity Data for Head Ant5			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant5		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	20.00	Maximum Tune up Power (dBm)	16.50	20.00
Reported 1g SAR (W/kg)	0.382	0.394	Reported 1g SAR (W/kg)	0.804	0.835
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	50.00	Frame Averaged (mW)	44.67	50.00
Linearity SAR (W/kg)	0.428		Linearity SAR (W/kg)	0.900	
% deviation from expected linearity		-7.86%	% deviation from expected linearity		-7.22%
NR N78 Part27O (HPUE)-Linearity Data for Body-worn Ant5			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant5		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.50	Maximum Tune up Power (dBm)	24.00	27.50
Reported 1g SAR (W/kg)	0.355	0.364	Reported 1g SAR (W/kg)	0.587	0.623



Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	281.17	Frame Averaged (mW)	251.19	281.17
Linearity SAR (W/kg)	0.397		Linearity SAR (W/kg)	0.657	
% deviation from expected linearity		-8.40%	% deviation from expected linearity		-5.18%
NR N78 Part27O (HPUE)-Linearity Data for Hotspot Ant5			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant5		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	20.00	Maximum Tune up Power (dBm)	16.50	20.00
Reported 1g SAR (W/kg)	0.142	0.145	Reported 1g SAR (W/kg)	0.300	0.316
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	50.00	Frame Averaged (mW)	44.67	50.00
Linearity SAR (W/kg)	0.159		Linearity SAR (W/kg)	0.336	
% deviation from expected linearity		-8.78%	% deviation from expected linearity		-5.90%

NR N78 Part27O (HPUE)-Linearity Data for Head Ant6			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant6		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	23.70	25.50	Maximum Tune up Power (dBm)	23.70	25.50
Reported 1g SAR (W/kg)	0.095	0.071	Reported 1g SAR (W/kg)	0.135	0.109
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	234.42	177.41	Frame Averaged (mW)	234.42	177.41
Linearity SAR (W/kg)	0.072		Linearity SAR (W/kg)	0.102	
% deviation from expected linearity		-1.24%	% deviation from expected linearity		6.69%
NR N78 Part27O (HPUE)-Linearity Data for Body-worn Ant6			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant6		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	23.70	25.50	Maximum Tune up Power (dBm)	23.70	25.50
Reported 1g SAR (W/kg)	0.350	0.262	Reported 1g SAR (W/kg)	0.431	0.345
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	234.42	177.41	Frame Averaged (mW)	234.42	177.41
Linearity SAR (W/kg)	0.265		Linearity SAR (W/kg)	0.326	
% deviation from expected linearity		-1.08%	% deviation from expected linearity		5.77%
NR N78 Part27O (HPUE)-Linearity Data for Hotspot Ant6			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant6		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	18.20	21.20	Maximum Tune up Power (dBm)	18.20	21.20
Reported 1g SAR (W/kg)	0.374	0.358	Reported 1g SAR (W/kg)	0.368	0.353
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	66.07	65.91	Frame Averaged (mW)	66.07	65.91
Linearity SAR (W/kg)	0.373		Linearity SAR (W/kg)	0.367	
% deviation from expected linearity		-4.05%	% deviation from expected linearity		-3.85%

NR N78 Part27O (HPUE)-Linearity Data for Head Ant10			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant10		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	26.00	29.00	Maximum Tune up Power (dBm)	26.00	29.00
Reported 1g SAR (W/kg)	0.293	0.300	Reported 1g SAR (W/kg)	0.400	0.417
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	398.11	397.16	Frame Averaged (mW)	398.11	397.16
Linearity SAR (W/kg)	0.292		Linearity SAR (W/kg)	0.399	
% deviation from expected linearity		2.63%	% deviation from expected linearity		4.50%
NR N78 Part27O (HPUE)-Linearity Data for Body-worn Ant10			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant10		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	26.00	29.00	Maximum Tune up Power (dBm)	26.00	29.00
Reported 1g SAR (W/kg)	0.298	0.288	Reported 1g SAR (W/kg)	0.358	0.340



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Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	398.11	397.16	Frame Averaged (mW)	398.11	397.16
Linearity SAR (W/kg)	0.297		Linearity SAR (W/kg)	0.357	
% deviation from expected linearity		-3.13%	% deviation from expected linearity		-4.80%
NR N78 Part270 (HPUE)-Linearity Data for Hotspot Ant10			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant10		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	23.50	27.00	Maximum Tune up Power (dBm)	23.50	27.00
Reported 1g SAR (W/kg)	0.382	0.391	Reported 1g SAR (W/kg)	0.437	0.451
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	223.87	250.59	Frame Averaged (mW)	223.87	250.59
Linearity SAR (W/kg)	0.428		Linearity SAR (W/kg)	0.489	
% deviation from expected linearity		-8.56%	% deviation from expected linearity		-7.80%

HPUE_N78_other PA

NR N78 Part270 (HPUE)-Linearity Data for Head Ant4			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant4		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	23.00	Maximum Tune up Power (dBm)	19.50	23.00
Reported 1g SAR (W/kg)	0.655	0.666	Reported 1g SAR (W/kg)	0.791	0.805
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	99.76	Frame Averaged (mW)	89.13	99.76
Linearity SAR (W/kg)	0.733		Linearity SAR (W/kg)	0.885	
% deviation from expected linearity		-9.16%	% deviation from expected linearity		-9.08%
NR N78 Part270 (HPUE)-Linearity Data for Body-worn Ant4			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant4		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	23.00	Maximum Tune up Power (dBm)	19.50	23.00
Reported 1g SAR (W/kg)	0.129	0.132	Reported 1g SAR (W/kg)	0.128	0.130
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	99.76	Frame Averaged (mW)	89.13	99.76
Linearity SAR (W/kg)	0.144		Linearity SAR (W/kg)	0.143	
% deviation from expected linearity		-8.59%	% deviation from expected linearity		-9.27%
NR N78 Part270 (HPUE)-Linearity Data for Hotspot Ant4			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant4		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	23.00	Maximum Tune up Power (dBm)	19.50	23.00
Reported 1g SAR (W/kg)	0.296	0.304	Reported 1g SAR (W/kg)	0.413	0.426
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	99.76	Frame Averaged (mW)	89.13	99.76
Linearity SAR (W/kg)	0.331		Linearity SAR (W/kg)	0.462	
% deviation from expected linearity		-8.25%	% deviation from expected linearity		-7.85%

NR N78 Part270 (HPUE)-Linearity Data for Head Ant5			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant5		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50	Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.301	0.287	Reported 1g SAR (W/kg)	0.737	0.710
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40	Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.300		Linearity SAR (W/kg)	0.735	
% deviation from expected linearity		-4.42%	% deviation from expected linearity		-3.43%
NR N78 Part270 (HPUE)-Linearity Data for Body-worn Ant5			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant5		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	23.00	26.00



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Reported 1g SAR (W/kg)	0.290	0.291	Reported 1g SAR (W/kg)	0.448	0.421
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	199.53	199.05
Linearity SAR (W/kg)	0.289		Linearity SAR (W/kg)	0.447	
% deviation from expected linearity		0.58%	% deviation from expected linearity		-5.80%
NR N78 Part27O (HPUE)-Linearity Data for Hotspot Ant5			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant5		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50	Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.158	0.152	Reported 1g SAR (W/kg)	0.254	0.244
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40	Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.158		Linearity SAR (W/kg)	0.253	
% deviation from expected linearity		-3.57%	% deviation from expected linearity		-3.71%

NR N78 Part27O (HPUE)-Linearity Data for Head Ant6			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant6		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	25.30	27.20	Maximum Tune up Power (dBm)	25.30	27.20
Reported 1g SAR (W/kg)	0.167	0.137	Reported 1g SAR (W/kg)	0.209	0.166
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	338.84	262.40	Frame Averaged (mW)	338.84	262.40
Linearity SAR (W/kg)	0.129		Linearity SAR (W/kg)	0.162	
% deviation from expected linearity		5.93%	% deviation from expected linearity		2.56%
NR N78 Part27O (HPUE)-Linearity Data for Body-worn Ant6			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant6		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	25.30	27.20	Maximum Tune up Power (dBm)	25.30	27.20
Reported 1g SAR (W/kg)	0.545	0.409	Reported 1g SAR (W/kg)	0.635	0.479
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	338.84	262.40	Frame Averaged (mW)	338.84	262.40
Linearity SAR (W/kg)	0.422		Linearity SAR (W/kg)	0.492	
% deviation from expected linearity		-3.09%	% deviation from expected linearity		-2.59%
NR N78 Part27O (HPUE)-Linearity Data for Hotspot Ant6			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant6		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	19.80	22.80	Maximum Tune up Power (dBm)	19.80	22.80
Reported 1g SAR (W/kg)	0.571	0.597	Reported 1g SAR (W/kg)	0.589	0.557
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	95.50	95.27	Frame Averaged (mW)	95.50	95.27
Linearity SAR (W/kg)	0.570		Linearity SAR (W/kg)	0.588	
% deviation from expected linearity		4.80%	% deviation from expected linearity		-5.21%

NR N78 Part27O (HPUE)-Linearity Data for Head Ant10			NR N78 Part27Q (HPUE)-Linearity Data for Head Ant10		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	24.90	26.80	Maximum Tune up Power (dBm)	24.90	26.80
Reported 1g SAR (W/kg)	0.180	0.130	Reported 1g SAR (W/kg)	0.340	0.281
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	309.03	239.32	Frame Averaged (mW)	309.03	239.32
Linearity SAR (W/kg)	0.139		Linearity SAR (W/kg)	0.263	
% deviation from expected linearity		-6.74%	% deviation from expected linearity		6.72%
NR N78 Part27O (HPUE)-Linearity Data for Body-worn Ant10			NR N78 Part27Q (HPUE)-Linearity Data for Body-worn Ant10		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	24.90	26.80	Maximum Tune up Power (dBm)	24.90	26.80



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Reported 1g SAR (W/kg)	0.179	0.147	Reported 1g SAR (W/kg)	0.290	0.238
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	309.03	239.32	Frame Averaged (mW)	309.03	239.32
Linearity SAR (W/kg)	0.139		Linearity SAR (W/kg)	0.225	
% deviation from expected linearity		6.05%	% deviation from expected linearity		5.98%
NR N78 Part27O (HPUE)-Linearity Data for Hotspot Ant10			NR N78 Part27Q (HPUE)-Linearity Data for Hotspot Ant10		
	NR N78 (Power Class 3)	NR N78 (Power Class 2)		NR N78 (Power Class 3)	NR N78 (Power Class 2)
Maximum Tune up Power (dBm)	22.40	25.40	Maximum Tune up Power (dBm)	22.40	25.40
Reported 1g SAR (W/kg)	0.282	0.269	Reported 1g SAR (W/kg)	0.352	0.325
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	173.78	173.37	Frame Averaged (mW)	173.78	173.37
Linearity SAR (W/kg)	0.281		Linearity SAR (W/kg)	0.351	
% deviation from expected linearity		-4.38%	% deviation from expected linearity		-7.45%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN	Yes	Yes	Yes	Yes
3.	WWAN + 6GHz WLAN	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
6.	6GHz WLAN + Bluetooth	Yes	Yes		Yes
7.	5GHz WLAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
8.	6GHz WLAN + 2.4GHz WLAN	Yes	Yes		Yes
9.	WWAN +5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
10.	WWAN +6GHz WLAN + Bluetooth	Yes	Yes		Yes
11.	WWAN +5GHz WLAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
12.	WWAN +6GHz WLAN + 2.4GHz WLAN	Yes	Yes		Yes
13.	WWAN + 2.4GHz WLAN+ NFC				Yes
14.	WWAN + 5GHz/6GHz WLAN+ NFC				Yes
15.	WWAN + Bluetooth+ NFC				Yes
16.	5GHz/6GHz WLAN + Bluetooth+ NFC				Yes
17.	5GHz/6GHz WLAN + 2.4GHz WLAN+ NFC				Yes
18.	WWAN +5GHz/6GHz WLAN + Bluetooth+ NFC				Yes
19.	WWAN +5GHz/6GHz WLAN + 2.4GHz WLAN+ NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- WLAN2.4GHz/WLAN5GHz/WLAN6GHz MIMO SAR can represent SISO SAR to do co-located SAR analysis.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- 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 WiFi Direct (GC/GO), and 5.3GHz / 5.5GHz supports WiFi Direct (GC only). WLAN6GHz has no hotspot function.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. Therefore, simultaneous transmission compliance between 4G+5G (PCC+SCC) operations within an antenna group is demonstrated in the Part 2 Report during algorithm validation.
- The equipment under test (EUT) contains the Qualcomm modems supporting 2G/3G/4G/5G technologies and WLAN/BT technologies. these modems are always enabled with Qualcomm Smart Transmit feature to control and manage transmitting power in real time and to ensure the time-averaged RF exposure follows the FCC requirement. Smart Transmit algorithm controls the total RF exposure from all WWAN/WLAN/BT to not exceed FCC limit and each antenna group has controlled the total RF exposure from all transmitter to not exceed FCC limit. Therefore, in Part.1 report, it is evaluated whether the sum of the groups of each antenna does not exceed FCC limit or spatial separation is applied. In addition, each antenna needs to satisfy simultaneous transmission analysis with External radios (NFC) in this report at extremity exposure condition.
- According to the EUT characteristic, WLAN2.4GHz and Bluetooth cannot transmit simultaneously.
- According to the EUT characteristic, WLAN5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- The worst case 5 GHz/6GHz WLAN SAR for each configuration was used for SAR summation.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- 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/BT/WLAN, always choose the highest SAR among all WWAN/BT/WLAN bands within all antennas for each exposure position to perform simultaneous transmission analysis. This is the worst co-located analysis and can represent each band.

17. The maximum SAR summation is calculated based on the same configuration and test position.
18. 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 17.7.
20. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis were compliant with KDB 447498 D01. For the device does not support FR2 or other MPE field measurement, therefore section 17 in the SAR report has no TER analysis according to KDB 987594 requirement.

17.1 MIMO SAR Test condition and verification

General Note:

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

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

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

Here,

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

17.2 Sub6 Antenna Groups

The Qualcomm® Smart Transmit™ 5.0 of Smart Transmit (GEN2) Feature operates based on pre-defined sub6 antenna groups (AG). Sub6 Tx antennas in the device are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

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

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

Antenna Group 0 (AG0)	ANT1 & ANT4 & ANT5 & ANT6 & ANT8 & ANT9 & ANT15 & ANT12 & ANT16
Antenna Group 1 (AG1)	ANT0 & ANT3

- 3) This model's multi_Tx_factor is 1.0.

The conditions are verified through the following criterias:

- i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.
 1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets: $\{ [\text{max.SAR.AG0} + \text{max.SAR.AG1}] + \text{each external radio worst-case reported SAR (ex: NFC)} \} \leq 1.6$ (for 1g, or 4.0 for 10g). (each external radio worst-case reported SAR is the worst SAR in all combinations of each external radio simultaneous transmission).
- ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. This criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:
 - a. SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
 - b. Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
 - c. Use the 'closest' peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by 'closest', select the peak location out of all antennas (ϵ AGj) that is closest to the peak location of other AG where SPLSR is evaluated.
- iii) (combination of SPLSR & SAR1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6g antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the WIFI/BT antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to: $\{ \text{max.SAR.AG0} + \text{worst-case reported SAR} \} \leq 1.6$ and $\{ \text{max.SAR.AG1} + \text{worst-case reported SAR} \} \leq 1.6$ for compliance demonstration (for 1g, or 4.0 for 10g).
- iv) Obtain the worst-case reported SAR for each antenna group, (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and WIFI/BT antennas supported Smart Transmit technology and there is no other radios in this report, and demonstrate that the sum of these RF exposures meets: $\{ [\text{max.SAR.AG0} + \text{max.SAR.AG1}] \} \leq 1.6$ (for 1g, or 4.0 for 10g).

For summed SAR results and SPLSR detailed analysis please refer to section 17.3 / 17.4 / 17.5 / 17.6/ 17.7 of this report. All of the combinations of sub6 antenna groups are sufficient to show that AG0 is mutually exclusive from AG1 and that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric

simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

17.3 Head Exposure Conditions

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

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant4	Ant5	Ant7	Ant10	WLAN2.4GHz Ant15+7	WLAN5GHz Ant17+16	WLAN6GHz Ant17+16	BT Ant15	BT Ant7	MAX
Right Cheek	0.691	1.091	1.080	0.820	0.417	0.576	0.569	0.165	0.509	0.125	1.091
Right Tilted	0.156	0.426	1.089	0.180	0.380	1.030	0.530	0.166	0.852	0.014	1.089
Left Cheek	0.994	0.611	0.477	1.078	0.385	0.654	1.086	1.056	0.582	0.205	1.086
Left Tilted	0.197	0.180	0.660	0.435	0.345	0.726	0.784	0.328	0.214	0.073	0.784

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant6	MAX
Right Cheek	0.336	0.222	0.336
Right Tilted	0.222	0.117	0.222
Left Cheek	0.307	0.326	0.326
Left Tilted	0.169	0.111	0.169

<Simultaneous Transmission analysis of AG0 + AG1>:

Test Position	AG0	AG1	AG0+AG1
Right Cheek	1.091	0.336	1.43
Right Tilted	1.089	0.222	1.31
Left Cheek	1.086	0.326	1.41
Left Tilted	0.784	0.169	0.95

17.4 Hotspot Exposure Conditions

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

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant4	Ant5	Ant7	Ant10	WLAN2.4GHz Ant15+7	WLAN5GHz Ant17+16	BT Ant15	BT Ant7	MAX
Front	0.597	0.215	0.220	0.367	0.063	0.284	0.690	0.266	0.072	0.690
Back	0.777	0.354	0.351	0.470	0.451	0.444	1.079	0.326	0.093	1.079
Left Side	0.960	0.545	0.262		0.213	0.070	0.132	0.009	0.009	0.960
Right Side				0.805		0.817	0.669	0.182	0.182	0.817
Top Side		0.093	0.552	0.142	0.225	0.501	0.475	0.711	0.004	0.711

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant6	MAX
Front	0.382	0.488	0.488
Back	0.490	0.682	0.682
Left Side	0.204	0.372	0.372
Right Side	0.699	0.156	0.699
Bottom Side	0.340	1.087	1.087

<Simultaneous Transmission analysis of AG0 + AG1>:

Test Position	AG0	AG1	AG0+AG1
Front	0.690	0.488	1.18
Back	1.079	0.682	1.76
Left Side	0.960	0.372	1.33
Right Side	0.817	0.699	1.52
Top Side	0.713		0.71
Bottom Side		1.087	1.09

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

Back				
Ant combination	AG1	AG0	AG0+AG1	SPLSR
	SAR	SAR		
Ant0-Ant1	0.490	0.777	1.27	-
Ant0-Ant4	0.490	0.354	0.84	-
Ant0-Ant5	0.490	0.351	0.84	-
Ant0-Ant7	0.490	0.470	0.96	-
Ant0-Ant10	0.490	0.451	0.94	-
Ant0-WLAN2.4GHz Ant15+7	0.490	0.444	0.93	-
Ant0-WLAN5GHz Ant17+16	0.490	1.079	1.57	-
Ant0-BT Ant15	0.490	0.327	0.82	-
Ant0-BT Ant7	0.490	0.093	0.58	-
Ant6-Ant1	0.682	0.777	1.46	-
Ant6-Ant4	0.682	0.354	1.04	-
Ant6-Ant5	0.682	0.351	1.03	-
Ant6-Ant7	0.682	0.470	1.15	-
Ant6-Ant10	0.682	0.451	1.13	-
Ant6-WLAN2.4GHz Ant15+7	0.682	0.444	1.13	-
Ant6-WLAN5GHz Ant17+16	0.682	1.079	1.76	Case 1
Ant6-BT Ant15	0.682	0.327	1.01	-
Ant6-BT Ant7	0.682	0.093	0.78	-

17.5 Body-Worn Accessory Exposure Conditions

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

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant4	Ant5	Ant7	Ant10	WLAN2.4GHz Ant15+7	WLAN5GHz Ant17+16	WLAN6GHz Ant17+16	BT Ant15	BT Ant7	MAX
Front	0.573	0.359	0.729	0.335	0.168	0.190	0.477	0.056	0.009	0.004	0.729
Back	0.795	0.495	1.025	0.413	0.499	0.246	0.867	0.151	0.160	0.089	1.025

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant6	MAX
Front	0.305	0.517	0.517
Back	0.338	0.718	0.718

<Simultaneous Transmission analysis of AG0 + AG1>:

Test Position	AG0	AG1	AG0+AG1
Front	0.729	0.517	1.25
Back	1.025	0.718	1.74

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

Back				
Ant combination	AG1	AG0	AG0+AG1	SPLSR
	SAR	SAR		
Ant0-Ant1	0.338	0.795	1.13	-
Ant0-Ant4	0.338	0.495	0.83	-
Ant0-Ant5	0.338	1.025	1.36	-
Ant0-Ant7	0.338	0.413	0.75	-
Ant0-Ant10	0.338	0.499	0.84	-
Ant0-WLAN2.4GHz Ant15+7	0.338	0.246	0.58	-
Ant0-WLAN5GHz Ant17+16	0.338	0.867	1.21	-
Ant0-WLAN6GHz Ant17+16	0.338	0.149	0.49	-
Ant0-BT Ant15	0.338	0.160	0.50	-
Ant0-BT Ant7	0.338	0.089	0.43	-
Ant6-Ant1	0.718	0.795	1.51	-
Ant6-Ant4	0.718	0.495	1.21	-
Ant6-Ant5	0.718	1.025	1.74	Case 1
Ant6-Ant7	0.718	0.413	1.13	-
Ant6-Ant10	0.718	0.499	1.22	-
Ant6-WLAN2.4GHz Ant15+7	0.718	0.246	0.96	-
Ant6-WLAN5GHz Ant17+16	0.718	0.867	1.59	-
Ant6-WLAN6GHz Ant17+16	0.718	0.149	0.87	-
Ant6-BT Ant15	0.718	0.160	0.88	-
Ant6-BT Ant7	0.718	0.089	0.81	-

17.6 Product specific 10g SAR Exposure Conditions

Remark:

- For 2.4GHz/Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

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

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

<AG0 maximum reported SAR>:

Test Position	Ant1	Ant4	Ant5	WLAN5GHz Ant17+16	WLAN6GHz Ant17+16	MAX
Front	1.722			1.186	0.275	1.722
Back1	1.046			0.544		1.046
Back3	1.029			1.062	0.175	1.062
Back4				1.613	0.245	1.613
Back5				2.373	0.269	2.373
Back6	1.650					1.650
Left Side	1.809	2.005		0.149	0.057	2.005
Right Side				1.489	0.363	1.489
Top Side			2.046	1.482	0.224	2.046

<AG1 maximum reported SAR>:

Test Position	Ant6	MAX
Front		0.000
Back1		0.000
Back2		0.000
Back3		0.000
Back4		0.000
Back5		0.000
Back6		0.000
Left Side		0.000
Right Side		0.000
Bottom Side	2.361	2.361

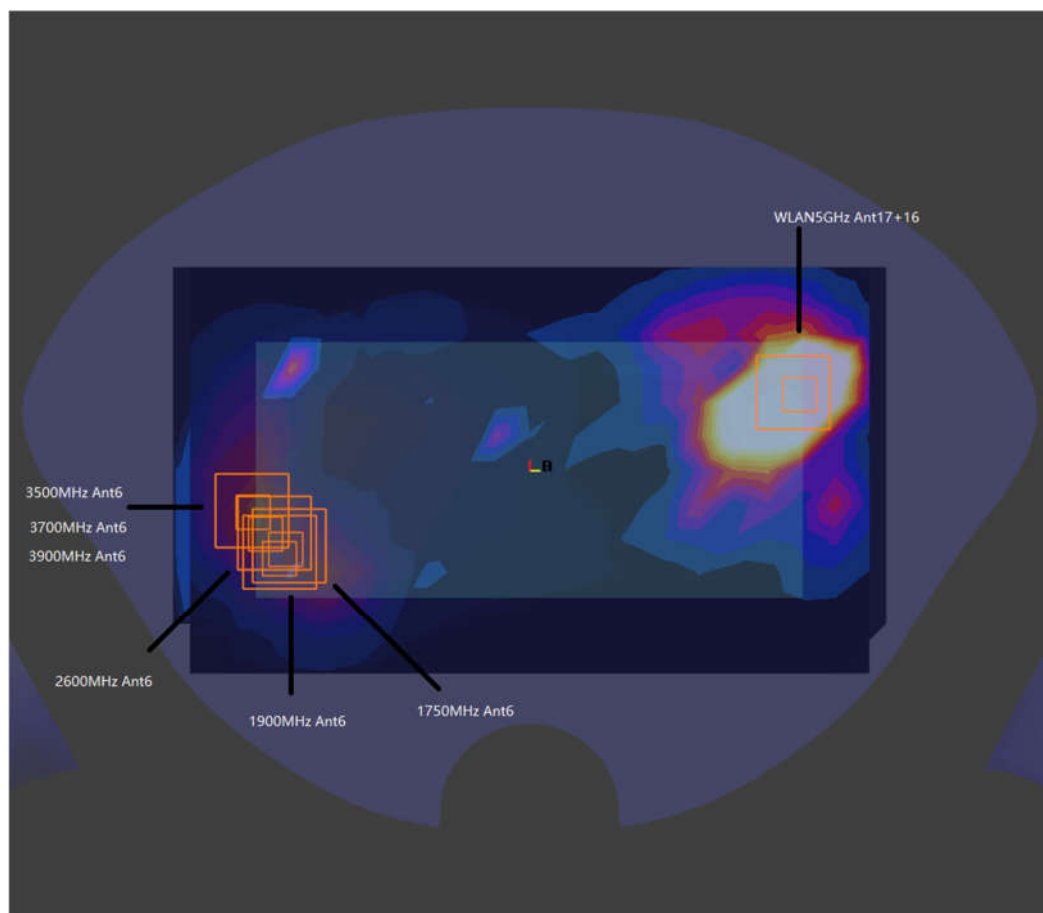
<Simultaneous Transmission analysis of AG0 + AG1 + NFC >:

Test Position	AG0	AG1	NFC	AG0+AG1+NFC
Front	1.722		0.001	1.72
Back1	1.046		0.006	1.05
Back2			0.008	0.01
Back3	1.062		0.011	1.07
Back4	1.613			1.61
Back5	2.373			2.37
Back6	1.650			1.65
Left Side	2.005		0.001	2.01
Right Side	1.489		0.001	1.49
Top Side	2.046		0.001	2.05
Bottom Side		2.361	0.001	2.36

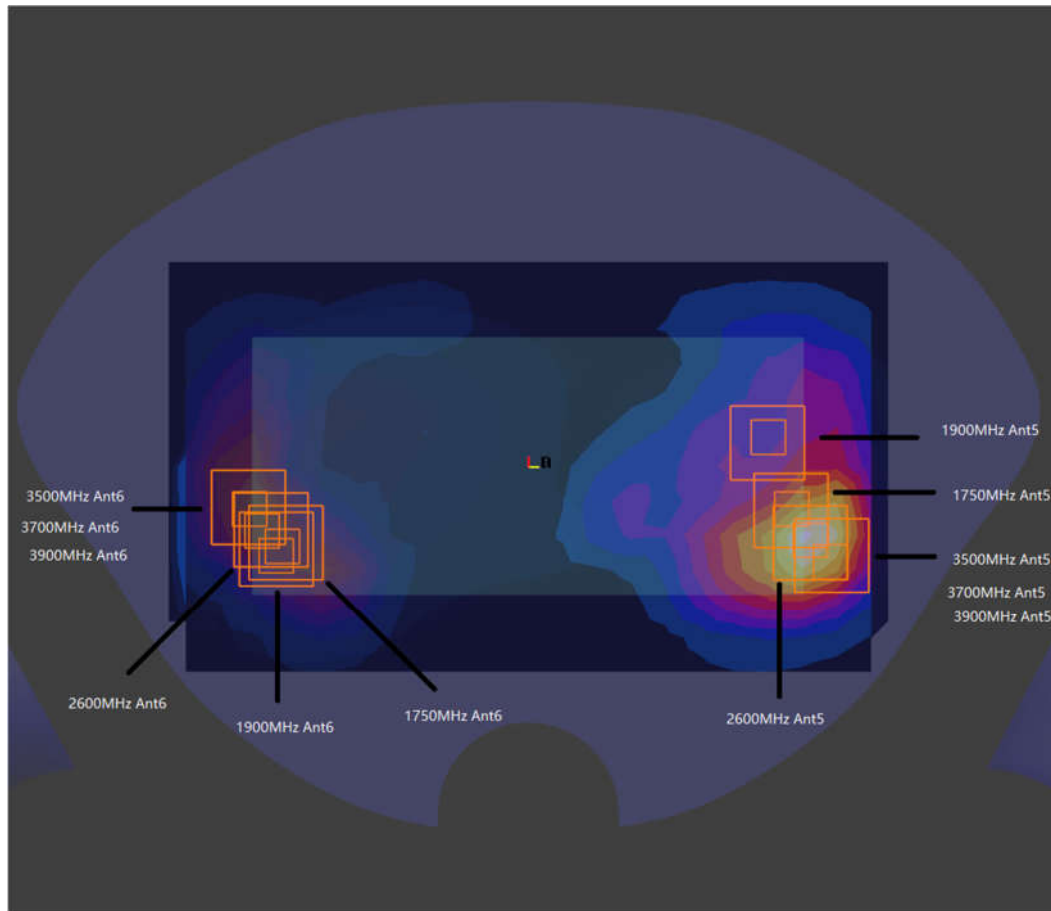
17.7 SPLSR Evaluation and Analysis

General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, AG0 was summed algebraically with the BT/WIFI Antenna 7/15/16/17 for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
5. The detail hotspot point for each transmitter in each exposure condition are showing as below figure and the minimum 3D distance for each sum combination is used for SPLSR analysis.
6. The axis peak locations refer to Section 17.8.



WWAN+WLAN5GHz (10mm) Back_Hotspot


WWAN+WWAN (15mm) Back _Body-worn
<Hotspot>

No.1 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 6	Back	0.682	0.682	10mm	-3.2	-74.6	-207	159.3	1.76	0.01	Not required
WLAN5GHz Ant17+16		1.079	1.079	10mm	-45.7	78.9	-207				

<Body-worn>

No.1 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 6	Back	0.718	0.718	15mm	-3.2	-74.6	-207	135.2	1.74	0.02	Not required
Ant 5		1.025	1.025	15mm	-33.4	57.2	-207				

17.8 Maximum Reported SAR and SAR Peak Locations

General Note:

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

<Hotspot>

Band	Back		Ant6		
	SAR (W/kg)				
WCDMA II	SAR (W/kg)		0.553		
	Axis	-3.2	-74.6		-207
WCDMA IV	SAR (W/kg)		0.646		
	Axis	-2.4	-76.4		-207
LTE Band 2	SAR (W/kg)		0.682		
	Axis	-5.9	-77.9		-207
LTE Band 4	SAR (W/kg)		0.523		
	Axis	-4.4	-76.9		-207
LTE Band 66	SAR (W/kg)		0.495		
	Axis	-4.4	-78.6		-207
LTE Band 7	SAR (W/kg)		0.462		
	Axis	0	-76.5		-207
LTE Band 25	SAR (W/kg)		0.564		
	Axis	-5.1	-76.9		-207
LTE Band 38	SAR (W/kg)		0.5		
	Axis	-11	-77		-207
LTE Band 41	SAR (W/kg)		0.412		
	Axis	-13	-77		-207
LTE Band 42	SAR (W/kg)		0.407		
	Axis	-13	-83		-207
LTE Band 48	SAR (W/kg)		0.486		
	Axis	-15	-83		-207
FR1 n2	SAR (W/kg)		0.509		
	Axis	2.9	-80.1		-207
FR1 n66	SAR (W/kg)		0.427		
	Axis	-5.9	-82.1		-207
FR1 n25	SAR (W/kg)		0.564		
	Axis	5.4	-79.1		-207
FR1 n7	SAR (W/kg)		0.414		
	Axis	-5	-79.5		-207
FR1 n38	SAR (W/kg)		0.351		
	Axis	-9.5	-79		-207
FR1 n41	SAR (W/kg)		0.264		
	Axis	-4	-82.5		-207
FR1 n48	SAR (W/kg)		0.384		
	Axis	-11.8	-78.4		-207
FR1 n77	SAR (W/kg)		0.424		
	Axis	-2.5	-84.5		-207
FR1 n78	SAR (W/kg)		0.334		
	Axis	-6	-79.5		-207

WLAN5GHz Ant17+16	SAR (W/kg)	1.079			
	Axis	-45.7	78.9		-207



<Body-worn>

Back							
Band		Ant5			Ant6		
GSM1900	SAR (W/kg)		0.237				
	Axis	11	83	-207			
WCDMA II	SAR (W/kg)		0.477			0.421	
	Axis	-33.7	72	-207	-3.2	-74.6	-207
WCDMA IV	SAR (W/kg)		0.489			0.465	
	Axis	6.3	85.7	-207	-2.4	-76.4	-207
LTE Band 2	SAR (W/kg)		0.486			0.471	
	Axis	-2.2	87.6	-207	-5.9	-77.9	-207
LTE Band 4	SAR (W/kg)		0.565			0.707	
	Axis	-29.2	65.4	-207	-4.4	-76.9	-207
LTE Band 66	SAR (W/kg)		0.586			0.637	
	Axis	-29.5	65.7	-207	-4.4	-78.6	-207
LTE Band 7	SAR (W/kg)		0.602			0.547	
	Axis	-10	72	-207	0	-76.5	-207
LTE Band 25	SAR (W/kg)		0.444			0.417	
	Axis	-33.2	72.5	-207	-5.1	-76.9	-207
LTE Band 38	SAR (W/kg)		0.382			0.382	
	Axis	6	81	-207	-11	-77	-207
LTE Band 41	SAR (W/kg)		0.323			0.355	
	Axis	7	79	-207	-13	-77	-207
LTE Band 42	SAR (W/kg)		0.407			0.315	
	Axis	-2	82	-207	-13	-83	-207
LTE Band 48	SAR (W/kg)		0.328			0.242	
	Axis	-17	73.5	-207	-15	-83	-207
FR1 n2	SAR (W/kg)		0.425			0.435	
	Axis	-16	75.2	-207	2.9	-80.1	-207
FR1 n66	SAR (W/kg)		0.613			0.556	
	Axis	-33.4	57.2	-207	-5.9	-82.1	-207
FR1 n25	SAR (W/kg)		0.427			0.388	
	Axis	-38.6	67.1	-207	5.4	-79.1	-207
FR1 n7	SAR (W/kg)		0.536			0.479	
	Axis	-11.5	67	-207	-5	-79.5	-207
FR1 n38	SAR (W/kg)		0.498			0.502	
	Axis	-14	70.5	-207	-9.5	-79	-207
FR1 n41	SAR (W/kg)		0.612			0.493	
	Axis	-11	67	-207	-4	-82.5	-207
FR1 n48	SAR (W/kg)		0.37			0.441	
	Axis	1.4	82.6	-207	-11.8	-78.4	-207
FR1 n77	SAR (W/kg)		1.025			0.718	
	Axis	-1	81.5	-207	-2.5	-84.5	-207
FR1 n78	SAR (W/kg)		0.623			0.635	
	Axis	-2.5	78.5	-207	-6	-79.5	-207

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

18. Uncertainty Assessment

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

19. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015

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