



FCC SAR Test Report

Report No. : FA422203

FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 6	ECl 9	633334	3500.01	open	13.25	14.40	1.303	-	-	-0.18	0.046	0.060
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 6	ECl 9	633334	3500.01	open	13.26	14.40	1.300	-	-	-0.13	0.406	0.528
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 6	ECl 9	633334	3500.01	open	13.25	14.40	1.303	-	-	0.02	0.478	0.623
FR1 n77 Part 27Q HPUE Other Path	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 6	ECl 9	633334	3500.01	open	12.66	14.10	1.393	-	-	-0.08	0.242	0.337
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	ECl 9	656000	3840	open	12.34	13.80	1.400	-	-	-0.09	0.180	0.252
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	ECl 9	656000	3840	open	12.27	13.80	1.422	-	-	0.08	0.182	0.259
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	ECl 9	656000	3840	open	12.34	13.80	1.400	-	-	0.1	0.200	0.280
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	ECl 9	656000	3840	open	12.27	13.80	1.422	-	-	0.1	0.202	0.287
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 3	ECl 9	656000	3840	open	12.34	13.80	1.400	-	-	0.12	0.091	0.127
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 3	ECl 9	656000	3840	open	12.27	13.80	1.422	-	-	0.08	0.107	0.152
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 3	ECl 9	656000	3840	open	12.34	13.80	1.400	-	-	0.01	0.320	0.448
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 3	ECl 9	656000	3840	open	12.27	13.80	1.422	-	-	-0.11	0.265	0.377
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	ECl 9	633334	3500.01	open	12.36	13.80	1.393	-	-	-0.12	0.227	0.316
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	ECl 9	633334	3500.01	open	12.33	13.80	1.403	-	-	0.18	0.212	0.297
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	ECl 9	633334	3500.01	open	12.36	13.80	1.393	-	-	-0.05	0.196	0.273
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	ECl 9	633334	3500.01	open	12.33	13.80	1.403	-	-	-0.01	0.215	0.302
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 3	ECl 9	633334	3500.01	open	12.36	13.80	1.393	-	-	0.07	0.021	0.029
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 3	ECl 9	633334	3500.01	open	12.33	13.80	1.403	-	-	-0.18	0.021	0.029
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 3	ECl 9	633334	3500.01	open	12.36	13.80	1.393	-	-	0.16	0.448	0.624
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 3	ECl 9	633334	3500.01	open	12.33	13.80	1.403	-	-	0.06	0.383	0.537
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 9	656000	3840	open	13.00	14.00	1.259	-	-	0.12	0.233	0.293
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 9	656000	3840	open	12.95	14.00	1.274	-	-	-0.11	0.280	0.357
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 9	656000	3840	open	13.00	14.00	1.259	-	-	0.14	0.233	0.293
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 9	656000	3840	open	12.95	14.00	1.274	-	-	0.12	0.280	0.357
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 9	656000	3840	open	13.00	14.00	1.259	-	-	-0.01	0.385	0.485
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 9	656000	3840	open	12.95	14.00	1.274	-	-	-0.02	0.485	0.618
FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 9	656000	3840	open	13.00	14.00	1.259	-	-	-0.1	0.034	0.043
FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 9	656000	3840	open	12.95	14.00	1.274	-	-	0.12	0.036	0.046
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 9	633334	3500.01	open	13.27	14.00	1.183	-	-	-0.07	0.184	0.218
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 9	633334	3500.01	open	13.21	14.00	1.199	-	-	0.06	0.235	0.282
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 9	633334	3500.01	open	13.27	14.00	1.183	-	-	-0.05	0.166	0.196
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 9	633334	3500.01	open	13.21	14.00	1.199	-	-	-0.07	0.205	0.246
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 9	633334	3500.01	open	13.27	14.00	1.183	-	-	-0.11	0.324	0.383
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 9	633334	3500.01	open	13.21	14.00	1.199	-	-	-0.07	0.367	0.440
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 9	633334	3500.01	open	13.27	14.00	1.183	-	-	0.04	0.019	0.022
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 9	633334	3500.01	open	13.21	14.00	1.199	-	-	-0.1	0.032	0.038



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN/BT																		
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(7)	Hotspot	6	2437	open	10.76	12.50	1.493	100	1.000	-0.02	0.195	0.291	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5+7(7)	Hotspot	6	2437	open	10.76	12.50	1.493	100	1.000	0.11	0.132	0.197	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 5+7(7)	Hotspot	6	2437	open	10.76	12.50	1.493	100	1.000	0.16	0.026	0.039	
62	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 5+7(7)	Hotspot	6	2437	open	10.76	12.50	1.493	100	1.000	-0.02	0.416	0.621	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 5+7(7)	Hotspot	6	2437	open	10.76	12.50	1.493	100	1.000	-0.03	0.097	0.145	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	WWAN+DBS	6	2437	open	7.43	9.00	1.435	100	1.000	-0.04	0.093	0.134	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	WWAN+DBS	6	2437	open	7.43	9.00	1.435	100	1.000	-0.05	0.063	0.090	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 7	WWAN+DBS	6	2437	open	7.43	9.00	1.435	100	1.000	0.02	0.013	0.019	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 7	WWAN+DBS	6	2437	open	7.43	9.00	1.435	100	1.000	0.09	0.198	0.284	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 7	WWAN+DBS	6	2437	open	7.43	9.00	1.435	100	1.000	-0.01	0.046	0.066	
	Bluetooth	1Mbps	Front	5mm	Ant 7	Hotspot	39	2441	open	7.50	8.50	1.259	76.64	1.087	0.07	0.086	0.118	
	Bluetooth	1Mbps	Back	5mm	Ant 7	Hotspot	39	2441	open	7.50	8.50	1.259	76.64	1.087	0.01	0.072	0.099	
63	Bluetooth	1Mbps	Right Side	5mm	Ant 7	Hotspot	39	2441	open	7.50	8.50	1.259	76.64	1.087	-0.05	0.199	0.272	
	Bluetooth	1Mbps	Top Side	5mm	Ant 7	Hotspot	39	2441	open	7.50	8.50	1.259	76.64	1.087	-0.15	0.016	0.022	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(5)	Hotspot	46	5230	open	17.84	19.50	1.466	93.7	1.067	-0.09	0.267	0.418	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(5)	Hotspot	46	5230	open	17.84	19.50	1.466	93.7	1.067	0.05	0.229	0.358	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 5+7(5)	Hotspot	46	5230	open	17.84	19.50	1.466	93.7	1.067	0.02	0.038	0.059	
64	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 5+7(5)	Hotspot	46	5230	open	17.84	19.50	1.466	93.7	1.067	-0.08	0.377	0.590	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 5+7(5)	Hotspot	46	5230	open	17.84	19.50	1.466	93.7	1.067	0.17	0.365	0.571	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5	WWAN+DBS	46	5230	open	14.28	16.00	1.486	93.7	1.067	0.01	0.143	0.227	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5	WWAN+DBS	46	5230	open	14.28	16.00	1.486	93.7	1.067	-0.04	0.123	0.195	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 5	WWAN+DBS	46	5230	open	14.28	16.00	1.486	93.7	1.067	-0.15	0.021	0.033	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 5	WWAN+DBS	46	5230	open	14.28	16.00	1.486	93.7	1.067	0.11	0.182	0.289	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 5	WWAN+DBS	46	5230	open	14.28	16.00	1.486	93.7	1.067	-0.02	0.196	0.311	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	Hotspot	155	5775	open	11.80	13.50	1.479	88.19	1.134	0.06	0.164	0.275	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	Hotspot	155	5775	open	11.80	13.50	1.479	88.19	1.134	-0.09	0.148	0.248	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5+7(5)	Hotspot	155	5775	open	11.80	13.50	1.479	88.19	1.134	0.12	0.021	0.035	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+7(5)	Hotspot	155	5775	open	11.80	13.50	1.479	88.19	1.134	0.16	0.293	0.491	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+7(5)	Hotspot	155	5775	open	11.80	13.50	1.479	88.19	1.134	-0.13	0.367	0.616	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	-0.05	0.088	0.146	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	0.01	0.079	0.131	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	0.1	0.011	0.018	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	-0.17	0.157	0.260	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	-0.06	0.192	0.318	



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Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), EUT Flip State, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows include LTE Bands 71, 12, 13, and 14 with various test parameters.



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Table with columns for Band, Power, Modulation, etc. and rows for LTE and FR1 bands.



FCC SAR Test Report

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Table with columns for test parameters (FR1 n14, FR1 n26, GSM850, WCDMA V, LTE Band 26, LTE Band 5B) and SAR measurement results (Power, Modulation, Slots, Frequency, Location, Antenna, EIRP, Power Spectral Density, SAR, etc.).



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Table with columns for Band, Power, Modulation, Channel, Frequency, Position, Antenna, EIRP, and SAR values. Includes rows for LTE Band 66, LTE Band 66C, and FR1 n70/n66.



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Table with columns for FR1 n66, GSM1900, WCDMA II, and LTE Band 25. Columns include parameters like Modulation (QPSK), Power (40M, 20M), Frequency (108, 54, 1, 1, 50, 0), Modulation (DFT-SCS-15KHz, GPRS (4 Tx slots), RMC 12.2Kbps), Orientation (Front, Back, Left Side, Top Side, Bottom Side), Antenna (5mm), Antenna (Ant 0, Ant 1, Ant 2, Ant 3), EIRP (ECI 10), Power (349000, 661, 9400, 26340, 1880), Distance (close), SAR (17.93, 18.11, 16.80, 16.75, 17.40, 18.30, 13.05, 16.50, 16.26, 12.45, 12.40, 12.45, 12.40, 12.45, 12.40, 12.45, 12.40, 12.45, 12.40, 18.48, 18.45), and SAR (19.10, 19.10, 17.60, 17.60, 18.30, 18.30, 13.90, 17.40, 17.40, 17.20, 13.30, 13.30, 13.30, 13.30, 13.30, 13.30, 13.30, 13.30, 19.50, 19.50). SAR values are presented as pairs of values.



Table with columns for Band, Power, Modulation, etc., containing multiple rows of test data for LTE and FR1 bands.

2300MHz



Table with columns for LTE/FR1 Band, Power, Modulation, Frequency, Location, Antenna, EIRP, and SAR values. Rows include LTE Band 30 and FR1 n30 configurations across various antenna orientations and positions.



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Table with columns: Band, Power, Modulation, Channels, Frequency, Location, Antenna, EIRP, Power Spectral Density, etc. Rows include LTE Band 7, LTE Band 7C, LTE Band 41, and LTE Band 41 HPUE variants.



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Table with columns for Test ID, Modulation, Power, Bandwidth, Frequency, Location, Distance, Antenna, Polarization, Channel, EIRP, Power Density, and various SAR metrics.



FCC SAR Test Report

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Table with columns for band, power, modulation, and various test parameters. Includes rows for LTE Band 48, LTE Band 48C, and FR1 n48.



FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 3	ECl 10	633334	3500.01	close	14.25	15.90	1.462	-	-	0.02	0.025	0.037
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 3	ECl 10	633334	3500.01	close	14.32	15.90	1.439	-	-	-0.01	0.428	0.616
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 3	ECl 10	633334	3500.01	close	14.25	15.90	1.462	-	-	0.02	0.357	0.522
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 10	656000	3840	close	14.47	15.50	1.268	-	-	0.08	0.193	0.245
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 10	656000	3840	close	14.45	15.50	1.274	-	-	0.01	0.237	0.302
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 10	656000	3840	close	14.47	15.50	1.268	-	-	-0.11	0.019	0.024
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 10	656000	3840	close	14.45	15.50	1.274	-	-	-0.01	0.024	0.031
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 10	656000	3840	close	14.47	15.50	1.268	-	-	0.09	0.443	0.562
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 10	656000	3840	close	14.45	15.50	1.274	-	-	-0.07	0.490	0.624
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 10	656000	3840	close	14.47	15.50	1.268	-	-	-0.04	0.017	0.022
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 10	656000	3840	close	14.45	15.50	1.274	-	-	0.15	0.025	0.032
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	ECl 10	656000	3840	close	14.47	15.50	1.268	-	-	0.09	0.038	0.048
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	ECl 10	656000	3840	close	14.45	15.50	1.274	-	-	-0.16	0.047	0.060
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 10	633334	3500.01	close	14.75	15.50	1.189	-	-	0.08	0.213	0.253
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 10	633334	3500.01	close	14.67	15.50	1.211	-	-	-0.18	0.203	0.246
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 10	633334	3500.01	close	14.75	15.50	1.189	-	-	-0.04	0.032	0.038
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 10	633334	3500.01	close	14.67	15.50	1.211	-	-	-0.09	0.028	0.034
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 10	633334	3500.01	close	14.75	15.50	1.189	-	-	-0.1	0.424	0.504
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 10	633334	3500.01	close	14.67	15.50	1.211	-	-	0.18	0.407	0.493
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 10	633334	3500.01	close	14.75	15.50	1.189	-	-	0.07	0.017	0.020
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 10	633334	3500.01	close	14.67	15.50	1.211	-	-	-0.03	0.021	0.025
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	ECl 10	633334	3500.01	close	14.75	15.50	1.189	-	-	0.09	0.023	0.027
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	ECl 10	633334	3500.01	close	14.67	15.50	1.211	-	-	-0.08	0.041	0.050



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN/BT																		
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(5)	Hotspot	6	2437	close	10.79	12.50	1.483	100	1.000	0.06	0.106	0.157	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5+7(5)	Hotspot	6	2437	close	10.79	12.50	1.483	100	1.000	0.13	0.053	0.079	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 5+7(5)	Hotspot	6	2437	close	10.79	12.50	1.483	100	1.000	0.18	0.011	0.016	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 5+7(5)	Hotspot	6	2437	close	10.79	12.50	1.483	100	1.000	-0.05	0.412	0.611	
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	5mm	Ant 5+7(5)	Hotspot	6	2437	close	10.79	12.50	1.483	100	1.000	0.07	0.081	0.120	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	WWAN+DBS	6	2437	close	8.93	10.50	1.435	100	1.000	0.01	0.050	0.072	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	WWAN+DBS	6	2437	close	8.93	10.50	1.435	100	1.000	-0.15	0.025	0.036	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 7	WWAN+DBS	6	2437	close	8.93	10.50	1.435	100	1.000	0.19	0.005	0.007	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 7	WWAN+DBS	6	2437	close	8.93	10.50	1.435	100	1.000	-0.01	0.196	0.281	
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	5mm	Ant 7	WWAN+DBS	6	2437	close	8.93	10.50	1.435	100	1.000	0.07	0.039	0.056	
	Bluetooth	802.11b 1Mbps	Front	5mm	Ant 7	Hotspot	39	2441	close	7.50	8.50	1.259	76.64	1.087	-0.08	0.043	0.059	
	Bluetooth	802.11b 1Mbps	Back	5mm	Ant 7	Hotspot	39	2441	close	7.50	8.50	1.259	76.64	1.087	-0.04	0.017	0.023	
	Bluetooth	802.11b 1Mbps	Left Side	5mm	Ant 7	Hotspot	39	2441	close	7.50	8.50	1.259	76.64	1.087	-0.08	0.002	0.003	
	Bluetooth	802.11b 1Mbps	Right Side	5mm	Ant 7	Hotspot	39	2441	close	7.50	8.50	1.259	76.64	1.087	-0.11	0.149	0.204	
	Bluetooth	802.11b 1Mbps	Bottom Side	5mm	Ant 7	Hotspot	39	2441	close	7.50	8.50	1.259	76.64	1.087	-0.08	0.008	0.011	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(7)	Hotspot	46	5230	close	15.35	17.00	1.462	93.7	1.067	0.01	0.162	0.253	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(7)	Hotspot	46	5230	close	15.35	17.00	1.462	93.7	1.067	0.03	0.072	0.112	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 5+7(7)	Hotspot	46	5230	close	15.35	17.00	1.462	93.7	1.067	-0.08	0.055	0.086	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 5+7(7)	Hotspot	46	5230	close	15.35	17.00	1.462	93.7	1.067	0.03	0.377	0.588	
	WLAN5.2GHz	802.11n-HT40 MCS0	Bottom Side	5mm	Ant 5+7(7)	Hotspot	46	5230	close	15.35	17.00	1.462	93.7	1.067	-0.08	0.282	0.440	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5	WWAN+DBS	46	5230	close	15.85	17.50	1.462	93.7	1.067	0.1	0.060	0.094	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5	WWAN+DBS	46	5230	close	15.85	17.50	1.462	93.7	1.067	-0.18	0.015	0.023	
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 5	WWAN+DBS	46	5230	close	15.85	17.50	1.462	93.7	1.067	0.1	0.008	0.012	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 5	WWAN+DBS	46	5230	close	15.85	17.50	1.462	93.7	1.067	0.12	0.136	0.212	
	WLAN5.2GHz	802.11n-HT40 MCS0	Bottom Side	5mm	Ant 5	WWAN+DBS	46	5230	close	15.85	17.50	1.462	93.7	1.067	-0.11	0.177	0.276	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	Hotspot	155	5775	close	12.34	14.00	1.466	88.19	1.134	-0.03	0.128	0.213	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	Hotspot	155	5775	close	12.34	14.00	1.466	88.19	1.134	0.11	0.033	0.055	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5+7(5)	Hotspot	155	5775	close	12.34	14.00	1.466	88.19	1.134	-0.05	0.018	0.030	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+7(5)	Hotspot	155	5775	close	12.34	14.00	1.466	88.19	1.134	-0.17	0.288	0.479	
65	WLAN5.8GHz	802.11ac-VHT80 MCS0	Bottom Side	5mm	Ant 5+7(5)	Hotspot	155	5775	close	12.34	14.00	1.466	88.19	1.134	0.03	0.376	0.625	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	WWAN+DBS	155	5775	close	9.36	11.00	1.459	88.19	1.134	0.04	0.063	0.104	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	WWAN+DBS	155	5775	close	9.36	11.00	1.459	88.19	1.134	-0.01	0.016	0.026	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5	WWAN+DBS	155	5775	close	9.36	11.00	1.459	88.19	1.134	-0.08	0.009	0.015	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5	WWAN+DBS	155	5775	close	9.36	11.00	1.459	88.19	1.134	0.05	0.143	0.237	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Bottom Side	5mm	Ant 5	WWAN+DBS	155	5775	close	9.36	11.00	1.459	88.19	1.134	-0.03	0.177	0.293	



16.3 Body Worn Accessory SAR

< Flip Open >

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Headset, Power State, Ch., Freq. (MHz), EUT Flip State, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes a '750MHz' section header and rows for LTE Bands 71, 12, 13, 14 and FR1 n71.



FCC SAR Test Report

Report No. : FA422203

Table with columns for test parameters: Frequency, Modulation, Power, Slots, Bandwidth, Direction, Distance, Antenna, Polarization, EIRP, SAR, etc. Includes sections for 835MHz, GSM850, WCDMA V, LTE Band, and FR1 n26.



Table with columns for LTE Band, Modulation, Power, Frequency, Direction, Distance, Antenna, EIRP, etc. Row 78 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA422203

Table with columns: ID, Device, Power, Modulation, Channels, Frequency, Bandwidth, Direction, Antenna, Headset, EIRP, Power Density, Specific Absorption Rate (SAR), and Margin. Rows include tests for FR1 n70, FR1 n66, and GSM1900 at 1900MHz.



FCC SAR Test Report

Report No. : FA422203

Table with columns: Band, Power, Modulation, SCS, Frequency, Antenna, Distance, EIRP, etc. Includes rows for LTE Band 25 and FR1 n25.



FCC SAR Test Report

Report No. : FA422203

Table with columns: Band, Power, Modulation, Frequency, Duty Cycle, Polarization, Antenna, Antenna Type, Antenna Gain, EIRP, SAR, etc. containing multiple rows of test data.



FCC SAR Test Report

Report No. : FA422203

Table with columns for LTE Band, Modulation, Power, Frequency, Antenna, and SAR values. Row 88 is highlighted with a yellow background.



LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	E13	55340	3560	open	16.53	17.70	1.309	62.9	1.006	-0.13	0.494	0.651
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	E13	56150	3641	open	16.55	17.70	1.303	62.9	1.006	-0.09	0.605	0.793
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	E13	56640	3690	open	16.58	17.70	1.294	62.9	1.006	0.01	0.686	0.893
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	E13	55830	3609	open	16.57	17.70	1.297	62.9	1.006	-0.18	0.461	0.602
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	E13	55340	3560	open	16.46	17.70	1.330	62.9	1.006	0.12	0.417	0.558
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	E13	56150	3641	open	16.44	17.70	1.337	62.9	1.006	0.11	0.502	0.675
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	E13	56640	3690	open	16.53	17.70	1.309	62.9	1.006	0.11	0.575	0.757
LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 6	-	E13	55830	3609	open	16.52	17.70	1.312	62.9	1.006	-0.06	0.457	0.603
LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	E13	56640+56442	3690+3670.2	open	16.41	17.70	1.346	62.9	1.006	0.05	0.632	0.856
LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 6	-	E14	56640	3690	open	23.30	24.00	1.175	62.9	1.006	-0.16	0.121	0.143
LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 6	-	E14	56640	3690	open	23.30	24.00	1.175	62.9	1.006	-0.12	0.089	0.105
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	E13	55830	3609	open	20.70	21.90	1.318	62.9	1.006	0.18	0.646	0.857
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	E13	55340	3560	open	20.67	21.90	1.327	62.9	1.006	0.06	0.675	0.901
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	E13	56150	3641	open	20.68	21.90	1.324	62.9	1.006	0.16	0.627	0.835
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	E13	56640	3690	open	20.64	21.90	1.337	62.9	1.006	0.19	0.608	0.818
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	E13	55830	3609	open	20.66	21.90	1.330	62.9	1.006	0.13	0.527	0.705
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	E13	55340	3560	open	20.53	21.90	1.371	62.9	1.006	-0.03	0.555	0.765
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	E13	56150	3641	open	20.63	21.90	1.340	62.9	1.006	0.12	0.522	0.704
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	E13	56640	3690	open	20.60	21.90	1.349	62.9	1.006	0.19	0.503	0.683
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	E13	55830	3609	open	20.64	21.90	1.337	62.9	1.006	-0.09	0.522	0.702
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	E13	55830	3609	open	20.70	21.90	1.318	62.9	1.006	-0.12	0.641	0.850
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	E13	55340	3560	open	20.67	21.90	1.327	62.9	1.006	0.07	0.661	0.883
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	E13	56150	3641	open	20.68	21.90	1.324	62.9	1.006	-0.18	0.646	0.861
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	E13	56640	3690	open	20.64	21.90	1.337	62.9	1.006	-0.06	0.594	0.799
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	E13	55830	3609	open	20.66	21.90	1.330	62.9	1.006	0.07	0.522	0.699
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	E13	55340	3560	open	20.53	21.90	1.371	62.9	1.006	-0.15	0.546	0.753
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	E13	56150	3641	open	20.63	21.90	1.340	62.9	1.006	-0.15	0.512	0.690
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	E13	56640	3690	open	20.60	21.90	1.349	62.9	1.006	-0.08	0.493	0.669
LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	E13	55830	3609	open	20.64	21.90	1.337	62.9	1.006	-0.04	0.517	0.695
LTE Band 48C	20M	QPSK	1	99	-	Front	5mm	Ant 3	-	E13	55340+55538	3560+3579.8	open	20.54	21.90	1.368	62.9	1.006	0.01	0.625	0.860
LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 3	-	E14	55340	3560	open	23.00	24.00	1.259	62.9	1.006	-0.01	0.211	0.267
LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 3	-	E14	55340	3560	open	23.00	24.00	1.259	62.9	1.006	0.02	0.198	0.251
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	E13	55830	3609	open	19.20	20.30	1.288	62.9	1.006	0.04	0.662	0.858
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	E13	55340	3560	open	19.12	20.30	1.312	62.9	1.006	-0.09	0.639	0.844
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	E13	56150	3641	open	19.18	20.30	1.294	62.9	1.006	-0.12	0.650	0.846
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	E13	56640	3690	open	19.15	20.30	1.303	62.9	1.006	0.06	0.673	0.882
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	E13	55830	3609	open	19.16	20.30	1.300	62.9	1.006	0.11	0.553	0.723
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	E13	55340	3560	open	19.03	20.30	1.340	62.9	1.006	0.14	0.523	0.705
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	E13	56150	3641	open	19.14	20.30	1.306	62.9	1.006	-0.15	0.552	0.725
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	E13	56640	3690	open	19.11	20.30	1.315	62.9	1.006	0.02	0.553	0.732
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 8	-	E13	55830	3609	open	19.10	20.30	1.318	62.9	1.006	-0.03	0.556	0.737
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	E13	55830	3609	open	19.20	20.30	1.288	62.9	1.006	-0.16	0.622	0.806
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	E13	55340	3560	open	19.12	20.30	1.312	62.9	1.006	-0.02	0.576	0.760
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	E13	56150	3641	open	19.18	20.30	1.294	62.9	1.006	0.08	0.622	0.810
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	E13	56640	3690	open	19.15	20.30	1.303	62.9	1.006	0.04	0.650	0.852
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	E13	55830	3609	open	19.16	20.30	1.300	62.9	1.006	-0.16	0.513	0.671
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	E13	55340	3560	open	19.03	20.30	1.340	62.9	1.006	0.17	0.476	0.642
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	E13	56150	3641	open	19.14	20.30	1.306	62.9	1.006	0.18	0.509	0.669
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	E13	56640	3690	open	19.11	20.30	1.315	62.9	1.006	0.03	0.535	0.708
LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 8	-	E13	55830	3609	open	19.10	20.30	1.318	62.9	1.006	0.01	0.510	0.676
LTE Band 48C	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	E13	56640+56442	3690+3670.2	open	18.99	20.30	1.352	62.9	1.006	0.06	0.615	0.837
LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 8	-	E14	56640	3690	open	23.22	24.00	1.197	62.9	1.006	0.1	0.156	0.188
LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 8	-	E14	56640	3690	open	23.22	24.00	1.197	62.9	1.006	-0.09	0.142	0.171
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	E13	641666	3624.99	open	18.36	19.20	1.213	-	-	-0.07	0.728	0.883
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	E13	638000	3570	open	18.25	19.20	1.245	-	-	-0.09	0.613	0.763



FCC SAR Test Report

Report No. : FA422203

Table with columns: Model, Power, Modulation, Channels, Frequency, Direction, Distance, Antenna, Polarization, EIRP, Power Density, SAR, etc. Includes rows for FR1 n48, FR1 n48B, and FR1 n77 Part 270 HPUE.



FCC SAR Test Report

Report No. : FA422203

	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	open	17.91	19.30	1.377	-	-	0.19	0.351	0.483
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	open	17.81	19.30	1.409	-	-	-0.01	0.363	0.512
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	ECI 4	656000	3840	open	26.46	27.00	1.132	-	-	-0.14	0.294	0.333
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	656000	3840	open	26.34	27.00	1.164	-	-	-0.19	0.221	0.257
93	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	633334	3500.01	open	17.98	19.30	1.355	-	-	-0.04	0.659	0.893
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	633334	3500.01	open	17.94	19.30	1.368	-	-	-0.03	0.591	0.808
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	633334	3500.01	open	17.87	19.30	1.390	-	-	-0.08	0.552	0.767
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	633334	3500.01	open	17.98	19.30	1.355	-	-	0.1	0.557	0.755
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	633334	3500.01	open	17.94	19.30	1.368	-	-	0.15	0.539	0.737
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	ECI 4	633334	3500.01	open	26.74	27.00	1.062	-	-	0.06	0.313	0.332
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	633334	3500.01	open	26.74	27.00	1.062	-	-	0.02	0.230	0.244
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	656000	3840	open	16.46	17.50	1.271	-	-	0.1	0.701	0.891
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	656000	3840	open	16.35	17.50	1.303	-	-	-0.11	0.669	0.872
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	656000	3840	open	16.26	17.50	1.330	-	-	-0.05	0.582	0.774
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	656000	3840	open	16.46	17.50	1.271	-	-	0.03	0.499	0.634
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	656000	3840	open	16.35	17.50	1.303	-	-	-0.06	0.539	0.702
	FR1 n77 Part 27Q HPUE Other Path	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	656000	3840	open	18.23	19.30	1.279	-	-	0.08	0.684	0.875
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 6	-	ECI 4	656000	3840	open	23.92	25.00	1.282	-	-	0.08	0.251	0.322
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 6	-	ECI 4	656000	3840	open	23.84	25.00	1.306	-	-	0.16	0.219	0.286
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	633334	3500.01	open	16.85	17.50	1.161	-	-	-0.03	0.448	0.520
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	633334	3500.01	open	16.79	17.50	1.178	-	-	0.12	0.576	0.678
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	633334	3500.01	open	16.85	17.50	1.161	-	-	-0.17	0.460	0.534
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	633334	3500.01	open	16.79	17.50	1.178	-	-	0.02	0.482	0.568
	FR1 n77 Part 27Q HPUE Other Path	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	633334	3500.01	open	18.19	19.30	1.291	-	-	-0.08	0.516	0.666
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 6	-	ECI 4	633334	3500.01	open	24.20	25.00	1.202	-	-	-0.16	0.239	0.287
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 6	-	ECI 4	633334	3500.01	open	24.20	25.00	1.202	-	-	0.1	0.204	0.245
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	656000	3840	open	18.85	19.70	1.216	-	-	-0.05	0.568	0.691
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	656000	3840	open	18.82	19.70	1.225	-	-	-0.04	0.573	0.702
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	656000	3840	open	18.85	19.70	1.216	-	-	-0.03	0.629	0.765
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	656000	3840	open	18.82	19.70	1.225	-	-	-0.02	0.636	0.779
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	-	ECI 4	656000	3840	open	26.23	27.00	1.194	-	-	-0.13	0.273	0.326
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 3	-	ECI 4	656000	3840	open	26.23	27.00	1.194	-	-	0.16	0.218	0.260
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	633334	3500.01	open	18.87	19.70	1.211	-	-	0.06	0.675	0.817
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	633334	3500.01	open	18.77	19.70	1.239	-	-	-0.04	0.669	0.829
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	633334	3500.01	open	18.69	19.70	1.262	-	-	0.17	0.585	0.738
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	633334	3500.01	open	18.87	19.70	1.211	-	-	0.06	0.691	0.837
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	633334	3500.01	open	18.77	19.70	1.239	-	-	0.03	0.706	0.875
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	633334	3500.01	open	18.69	19.70	1.262	-	-	0.01	0.592	0.747
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	-	ECI 4	633334	3500.01	open	26.20	27.00	1.202	-	-	-0.02	0.253	0.304
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 3	-	ECI 4	633334	3500.01	open	26.20	27.00	1.202	-	-	-0.09	0.204	0.245
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	open	16.46	17.50	1.271	-	-	-0.18	0.675	0.858
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	open	16.42	17.50	1.282	-	-	-0.03	0.691	0.886
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	open	16.31	17.50	1.315	-	-	-0.08	0.612	0.805
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	open	16.46	17.50	1.271	-	-	0.18	0.575	0.731
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	open	16.42	17.50	1.282	-	-	0.1	0.494	0.633
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	-	ECI 4	656000	3840	open	23.89	25.00	1.291	-	-	-0.07	0.265	0.342
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 8	-	ECI 4	656000	3840	open	23.92	25.00	1.282	-	-	0.11	0.211	0.271
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	633334	3500.01	open	16.83	17.50	1.167	-	-	-0.08	0.408	0.476
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	633334	3500.01	open	16.73	17.50	1.194	-	-	-0.02	0.522	0.623
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	633334	3500.01	open	16.83	17.50	1.167	-	-	0.15	0.369	0.431
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	633334	3500.01	open	16.73	17.50	1.194	-	-	-0.08	0.456	0.544
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	-	ECI 4	633334	3500.01	open	24.14	25.00	1.219	-	-	-0.1	0.257	0.313
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 8	-	ECI 4	633334	3500.01	open	24.14	25.00	1.219	-	-	-0.01	0.181	0.221



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN/BT																			
94	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(5)	-	Standalone	6	2437	open	16.39	18.00	1.449	100	1.000	-0.01	0.908	1.315	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(5)	-	Standalone	11	2462	open	16.28	18.00	1.486	100	1.000	0.01	0.702	1.043	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(7)	-	Standalone	1	2412	open	17.29	19.00	1.483	100	1.000	0.1	0.635	0.941	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5+7(5)	-	Standalone	6	2437	open	16.39	18.00	1.449	100	1.000	-0.17	0.516	0.748	
	WLAN2.4GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(7)	-	Standalone	6	2437	open	17.86	19.00	1.300	94.09	1.063	0.02	0.785	1.085	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(7)	-	WWAN+non DBS	6	2437	open	10.76	12.50	1.493	100	1.000	-0.08	0.252	0.376	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5+7(7)	-	WWAN+non DBS	6	2437	open	10.76	12.50	1.493	100	1.000	0.05	0.143	0.213	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5+7(5)	Headset	Standalone	6	2437	open	16.39	18.00	1.449	100	1.000	0.06	0.857	1.242	
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 5+7(7)	-	Full Power	6	2437	open	23.13	25.00	1.538	100	1.000	0.08	0.634	0.975	
	WLAN2.4GHz	802.11b 1Mbps	Back	17mm	Ant 5+7(7)	-	Full Power	6	2437	open	23.13	25.00	1.538	100	1.000	0.01	0.339	0.521	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	-	DBS only	6	2437	open	15.43	17.00	1.435	100	1.000	0.05	0.505	0.725	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	-	DBS only	6	2437	open	15.43	17.00	1.435	100	1.000	0.06	0.287	0.412	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 7	-	WWAN+DBS	6	2437	open	9.45	11.00	1.429	100	1.000	-0.09	0.122	0.174	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 7	-	WWAN+DBS	6	2437	open	9.45	11.00	1.429	100	1.000	-0.08	0.069	0.099	
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7	-	Full Power	6	2437	open	23.13	25.00	1.538	100	1.000	-0.08	0.403	0.620	
	WLAN2.4GHz	802.11b 1Mbps	Back	17mm	Ant 7	-	Full Power	6	2437	open	23.13	25.00	1.538	100	1.000	-0.08	0.246	0.378	
95	Bluetooth	1Mbps	Front	5mm	Ant 7	-	Standalone	39	2441	open	12.30	13.50	1.318	76.64	1.087	0.06	0.273	0.391	
	Bluetooth	1Mbps	Back	5mm	Ant 7	-	Standalone	39	2441	open	12.30	13.50	1.318	76.64	1.087	-0.07	0.250	0.358	
	Bluetooth	1Mbps	Front	5mm	Ant 7	-	Simultaneous	39	2441	open	7.50	8.50	1.259	76.64	1.087	0.09	0.093	0.127	
	Bluetooth	1Mbps	Back	5mm	Ant 7	-	Simultaneous	39	2441	open	7.50	8.50	1.259	76.64	1.087	0.03	0.077	0.105	
	Bluetooth	1Mbps	Front	15mm	Ant 7	-	Full Power	39	2441	open	18.80	19.50	1.175	76.64	1.087	-0.18	0.191	0.244	
	Bluetooth	1Mbps	Back	17mm	Ant 7	-	Full Power	39	2441	open	18.80	19.50	1.175	76.64	1.087	0.1	0.163	0.208	
96	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(5)	-	Standalone	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.01	0.594	0.940	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(7)	-	Standalone	62	5310	open	16.28	18.00	1.486	93.7	1.067	0.13	0.436	0.691	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(5)	-	Standalone	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.12	0.420	0.664	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(5)	-	WWAN+non DBS	54	5270	open	15.38	17.00	1.452	93.7	1.067	0.02	0.236	0.366	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(5)	-	WWAN+non DBS	54	5270	open	15.38	17.00	1.452	93.7	1.067	0.03	0.167	0.259	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 5+7(5)	-	Full Power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.08	0.130	0.206	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	17mm	Ant 5+7(5)	-	Full Power	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.17	0.100	0.158	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5	-	DBS only	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.02	0.500	0.791	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5	-	DBS only	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.03	0.354	0.560	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN+DBS	58	5290	open	13.39	15.00	1.449	88.19	1.134	0.03	0.116	0.191	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN+DBS	58	5290	open	13.39	15.00	1.449	88.19	1.134	0.18	0.082	0.135	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 5	-	Full Power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.14	0.130	0.206	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	17mm	Ant 5	-	Full Power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.11	0.133	0.210	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(7)	-	Standalone	138	5690	open	17.86	19.50	1.459	88.19	1.134	0.16	0.660	1.092	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(7)	-	Standalone	122	5610	open	17.73	19.50	1.503	88.19	1.134	-0.1	0.623	1.062	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(7)	-	Standalone	138	5690	open	17.86	19.50	1.459	88.19	1.134	0.07	0.467	0.773	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	-	WWAN+non DBS	138	5690	open	13.82	15.50	1.472	88.19	1.134	0.18	0.221	0.369	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	-	WWAN+non DBS	138	5690	open	13.82	15.50	1.472	88.19	1.134	-0.1	0.156	0.260	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5+7(5)	-	Full Power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.18	0.247	0.421	



	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Back	17mm	Ant 5+7(5)	-	Full Power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.14	0.209	0.356
	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	DBS only	138	5690	open	16.95	18.50	1.429	88.19	1.134	0.01	0.455	0.737
	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	DBS only	138	5690	open	16.95	18.50	1.429	88.19	1.134	-0.15	0.322	0.522
	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN+DBS	138	5690	open	10.82	12.50	1.472	88.19	1.134	0.19	0.109	0.182
	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN+DBS	138	5690	open	10.82	12.50	1.472	88.19	1.134	0.07	0.077	0.129
	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Front	15mm	Ant 5	-	Full Power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.17	0.200	0.341
	WLAN5.5GHZ	802.11ac-VHT80 MCS0	Back	17mm	Ant 5	-	Full Power	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.05	0.207	0.353
98	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	-	Standalone	155	5775	open	17.85	19.50	1.462	88.19	1.134	-0.18	0.698	1.157
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	-	Standalone	155	5775	open	17.85	19.50	1.462	88.19	1.134	-0.15	0.494	0.819
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	-	WWAN+non DBS	155	5775	open	12.85	14.50	1.462	88.19	1.134	-0.15	0.231	0.383
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	-	WWAN+non DBS	155	5775	open	12.85	14.50	1.462	88.19	1.134	0.11	0.163	0.270
	WLAN5.8GHZ	802.11a 6Mbps	Front	15mm	Ant 5+7(5)	-	Full Power	149	5745	open	21.24	23.00	1.500	96.97	1.031	0.1	0.459	0.710
	WLAN5.8GHZ	802.11a 6Mbps	Back	17mm	Ant 5+7(5)	-	Full Power	149	5745	open	21.24	23.00	1.500	96.97	1.031	-0.17	0.434	0.671
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	DBS only	155	5775	open	15.30	17.00	1.479	88.19	1.134	-0.08	0.461	0.773
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	DBS only	155	5775	open	15.30	17.00	1.479	88.19	1.134	-0.17	0.326	0.547
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	-0.08	0.115	0.190
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN+DBS	155	5775	open	9.36	11.00	1.459	88.19	1.134	-0.04	0.081	0.134
	WLAN5.8GHZ	802.11a 6Mbps	Front	15mm	Ant 5	-	Full Power	165	5825	open	21.27	23.00	1.489	96.97	1.031	-0.01	0.353	0.542
	WLAN5.8GHZ	802.11a 6Mbps	Back	17mm	Ant 5	-	Full Power	165	5825	open	21.27	23.00	1.489	96.97	1.031	-0.08	0.339	0.521



<Flip Close >

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB Offset, Mode, Test Position, Gap (mm), Antenna, Headset, Power State, Ch., Freq. (MHz), EUT Flip State, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes a 750MHz section and various LTE and FR1 bands.



Table with columns for device model, power, modulation, bandwidth, frequency, antenna, and SAR values. Includes sections for 835MHz and 1750MHz bands.



FCC SAR Test Report

Report No. : FA422203

	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 5	1513	1752.6	close	20.25	21.60	1.365	-	-	0.01	0.625	0.853
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	17mm	Ant 0	-	ECI 4	1413	1732.6	close	22.22	23.00	1.197	-	-	-0.14	0.011	0.013
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	-	ECI 4	1413	1732.6	close	22.22	23.00	1.197	-	-	0.01	0.112	0.134
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 5	1413	1732.6	close	18.22	19.20	1.253	-	-	0.01	0.058	0.073
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 5	1413	1732.6	close	18.22	19.20	1.253	-	-	-0.11	0.666	0.835
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 5	1312	1712.4	close	18.01	19.20	1.315	-	-	-0.09	0.675	0.888
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 5	1513	1752.6	close	18.13	19.20	1.279	-	-	-0.06	0.656	0.839
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	17mm	Ant 1	-	ECI 4	1413	1732.6	close	21.58	23.00	1.387	-	-	-0.13	0.001	0.001
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 1	-	ECI 4	1312	1712.4	close	21.41	23.00	1.442	-	-	-0.1	0.048	0.069
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 5	132322	1745	close	18.74	19.90	1.306	-	-	-0.15	0.052	0.068
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 5	132322	1745	close	18.72	19.90	1.312	-	-	0.03	0.041	0.054
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 5	132322	1745	close	18.74	19.90	1.306	-	-	-0.13	0.649	0.848
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 5	132072	1720	close	18.62	19.90	1.343	-	-	0.16	0.635	0.853
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 5	132572	1770	close	18.67	19.90	1.327	-	-	0.02	0.669	0.888
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 5	132322	1745	close	18.72	19.90	1.312	-	-	-0.15	0.461	0.605
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 5	132322	1745	close	18.72	19.90	1.312	-	-	0.14	0.470	0.617
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 5	132572+ 132374	1770+ 1750.2	close	18.56	19.90	1.361	-	-	0.01	0.602	0.820
	LTE Band 66	20M	QPSK	1	0	-	Front	17mm	Ant 1	-	ECI 4	132322	1745	close	23.12	24.00	1.225	-	-	0.11	0.023	0.028
	LTE Band 66	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	ECI 4	132572	1770	close	23.04	24.00	1.247	-	-	-0.17	0.214	0.267
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 5	132322	1745	close	19.84	21.30	1.400	-	-	0.06	0.064	0.090
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 5	132322	1745	close	19.83	21.30	1.403	-	-	0.02	0.051	0.072
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 5	132322	1745	close	19.84	21.30	1.400	-	-	0.12	0.604	0.845
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 5	132072	1720	close	19.68	21.30	1.452	-	-	-0.16	0.561	0.815
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 5	132572	1770	close	19.73	21.30	1.435	-	-	-0.07	0.613	0.880
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 5	132322	1745	close	19.83	21.30	1.403	-	-	-0.12	0.479	0.672
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 5	132322	1745	close	19.81	21.30	1.409	-	-	-0.05	0.475	0.669
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 5	132572+ 132374	1770+ 1750.2	close	19.55	21.30	1.496	-	-	0.01	0.552	0.826
	LTE Band 66	20M	QPSK	1	0	-	Front	17mm	Ant 0	-	ECI 4	132322	1745	close	23.37	24.00	1.156	-	-	0.02	0.045	0.052
	LTE Band 66	20M	QPSK	1	0	-	Back	16mm	Ant 0	-	ECI 4	132572	1770	close	23.24	24.00	1.191	-	-	0.16	0.097	0.116
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	132322	1745	close	23.27	24.00	1.183	-	-	0.17	0.679	0.803
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	132072	1720	close	23.18	24.00	1.208	-	-	0.06	0.666	0.804
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	132572	1770	close	23.21	24.00	1.199	-	-	0.08	0.681	0.817
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	132322	1745	close	22.28	23.00	1.180	-	-	0.01	0.515	0.608
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	ECI 5	132322	1745	close	22.26	23.00	1.186	-	-	0.11	0.513	0.608
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 5	132322	1745	close	23.27	24.00	1.183	-	-	-0.02	0.108	0.128
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	ECI 5	132322	1745	close	22.28	23.00	1.180	-	-	0.1	0.091	0.107
	LTE Band 66C	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	132572+ 132374	1770+ 1750.2	close	22.97	24.00	1.268	-	-	0.06	0.546	0.692
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	132322	1745	close	18.20	19.20	1.259	-	-	0.01	0.699	0.880
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	132072	1720	close	18.18	19.20	1.265	-	-	0.05	0.703	0.889
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	132572	1770	close	18.15	19.20	1.274	-	-	-0.01	0.678	0.863
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 5	132322	1745	close	18.17	19.20	1.268	-	-	-0.06	0.522	0.662
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	ECI 5	132322	1745	close	18.15	19.20	1.274	-	-	-0.17	0.522	0.665
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 5	132322	1745	close	18.20	19.20	1.259	-	-	-0.1	0.153	0.193
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 5	132322	1745	close	18.17	19.20	1.268	-	-	0.18	0.122	0.155
	LTE Band 66C	20M	QPSK	1	99	-	Front	5mm	Ant 2	-	ECI 5	132072+ 132270	1720+ 1739.8	close	18.05	19.20	1.303	-	-	0.02	0.625	0.814
	LTE Band 66	20M	QPSK	1	0	-	Front	17mm	Ant 2	-	ECI 4	132072	1720	close	23.33	24.00	1.167	-	-	-0.12	0.361	0.421
	LTE Band 66	20M	QPSK	1	0	-	Back	16mm	Ant 2	-	ECI 4	132322	1745	close	23.41	24.00	1.146	-	-	-0.16	0.166	0.190
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECI 5	340500	1702.5	close	19.78	20.90	1.294	-	-	-0.17	0.654	0.846
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECI 5	340500	1702.5	close	19.74	20.90	1.306	-	-	0.08	0.674	0.880
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECI 5	340500	1702.5	close	19.64	20.90	1.337	-	-	-0.04	0.618	0.826
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECI 5	340500	1702.5	close	19.78	20.90	1.294	-	-	-0.05	0.175	0.226
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECI 5	340500	1702.5	close	19.74	20.90	1.306	-	-	0.01	0.162	0.212
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	17mm	Ant 2	-	ECI 4	340500	1702.5	close	23.39	24.00	1.151	-	-	0.17	0.161	0.185
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	16mm	Ant 2	-	ECI 4	340500	1702.5	close	23.46	24.00	1.132	-	-	0.02	0.094	0.106
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECI 5	340500	1702.5	close	22.51	23.90	1.377	-	-	0.04	0.610	0.840



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	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	340500	1702.5	close	22.41	23.90	1.409	-	-	-0.12	0.633	0.892
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	340500	1702.5	close	21.56	23.00	1.393	-	-	0.13	0.510	0.711
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	340500	1702.5	close	22.51	23.90	1.377	-	-	-0.18	0.184	0.253
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	340500	1702.5	close	22.41	23.90	1.409	-	-	-0.11	0.190	0.268
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	17mm	Ant 3	-	ECl 4	340500	1702.5	close	23.48	24.00	1.127	-	-	-0.04	0.113	0.127
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	16mm	Ant 3	-	ECl 4	340500	1702.5	close	23.48	24.00	1.127	-	-	-0.08	0.038	0.043
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECl 5	340500	1702.5	close	20.14	21.00	1.219	-	-	-0.13	0.095	0.116
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECl 5	340500	1702.5	close	20.10	21.00	1.230	-	-	0.08	0.085	0.105
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	340500	1702.5	close	20.14	21.00	1.219	-	-	-0.09	0.730	0.890
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	340500	1702.5	close	20.10	21.00	1.230	-	-	0.16	0.710	0.873
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	340500	1702.5	close	20.02	21.00	1.253	-	-	0.01	0.580	0.727
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	17mm	Ant 0	-	ECl 4	340500	1702.5	close	23.30	24.00	1.175	-	-	-0.02	0.035	0.041
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	16mm	Ant 0	-	ECl 4	340500	1702.5	close	23.30	24.00	1.175	-	-	0.07	0.156	0.183
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	340500	1702.5	close	20.72	22.00	1.343	-	-	0.1	0.057	0.077
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	340500	1702.5	close	20.65	22.00	1.365	-	-	-0.09	0.056	0.076
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	340500	1702.5	close	20.72	22.00	1.343	-	-	-0.04	0.665	0.893
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	340500	1702.5	close	20.65	22.00	1.365	-	-	0.07	0.635	0.867
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	340500	1702.5	close	20.60	22.00	1.380	-	-	-0.09	0.504	0.696
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	17mm	Ant 1	-	ECl 4	340500	1702.5	close	23.66	24.00	1.081	-	-	0.1	0.059	0.064
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	16mm	Ant 1	-	ECl 4	340500	1702.5	close	23.66	24.00	1.081	-	-	0.11	0.121	0.131
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECl 5	349000	1745	close	20.03	21.20	1.309	-	-	-0.16	0.072	0.094
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECl 5	349000	1745	close	19.97	21.20	1.327	-	-	0.1	0.081	0.108
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	349000	1745	close	20.03	21.20	1.309	-	-	-0.04	0.634	0.830
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	349000	1745	close	19.97	21.20	1.327	-	-	-0.04	0.661	0.877
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	349000	1745	close	19.90	21.20	1.349	-	-	-0.01	0.518	0.699
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 0	-	ECl 4	349000	1745	close	23.05	24.00	1.245	-	-	0.1	0.056	0.070
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 0	-	ECl 4	349000	1745	close	23.05	24.00	1.245	-	-	0.08	0.161	0.200
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	349000	1745	close	23.18	24.00	1.208	-	-	0.15	0.525	0.634
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	349000	1745	close	23.11	24.00	1.227	-	-	-0.16	0.482	0.592
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	349000	1745	close	23.18	24.00	1.208	-	-	-0.15	0.170	0.205
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	349000	1745	close	23.11	24.00	1.227	-	-	-0.06	0.153	0.188
	FR1 n66 other Path	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	349000	1745	close	23.18	24.00	1.208	-	-	0.04	0.377	0.455
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECl 5	349000	1745	close	19.78	20.80	1.265	-	-	-0.13	0.634	0.802
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECl 5	349000	1745	close	19.67	20.80	1.297	-	-	-0.02	0.689	0.894
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECl 5	349000	1745	close	19.66	20.80	1.300	-	-	-0.01	0.608	0.791
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECl 5	349000	1745	close	19.78	20.80	1.265	-	-	-0.09	0.114	0.144
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECl 5	349000	1745	close	19.67	20.80	1.297	-	-	0.05	0.115	0.149
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 2	-	ECl 4	349000	1745	close	23.31	24.00	1.172	-	-	0.18	0.114	0.134
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 2	-	ECl 4	349000	1745	close	23.31	24.00	1.172	-	-	-0.11	0.063	0.074
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	349000	1745	close	20.85	22.00	1.303	-	-	-0.16	0.054	0.070
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	349000	1745	close	20.76	22.00	1.330	-	-	-0.18	0.064	0.085
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	349000	1745	close	20.85	22.00	1.303	-	-	-0.07	0.649	0.846
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	349000	1745	close	20.76	22.00	1.330	-	-	-0.08	0.668	0.889
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	349000	1745	close	20.69	22.00	1.352	-	-	0.11	0.531	0.718
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 1	-	ECl 4	349000	1745	close	23.30	24.00	1.175	-	-	0.18	0.047	0.055
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 1	-	ECl 4	349000	1745	close	23.30	24.00	1.175	-	-	0.12	0.091	0.107
1900MHz																						
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 2	-	ECl 5	661	1880	close	22.15	23.10	1.245	-	-	-0.08	0.659	0.820
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 2	-	ECl 5	512	1850.2	close	22.08	23.10	1.265	-	-	-0.1	0.656	0.830
81	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 2	-	ECl 5	810	1909.8	close	22.11	23.10	1.256	-	-	-0.03	0.703	0.883
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 2	-	ECl 5	661	1880	close	22.15	23.10	1.245	-	-	-0.01	0.108	0.134
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	17mm	Ant 2	-	ECl 4	810	1909.8	close	25.29	26.00	1.178	-	-	0.07	0.192	0.226
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	16mm	Ant 2	-	ECl 4	661	1880	close	25.40	26.00	1.148	-	-	0.15	0.126	0.145
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECl 5	661	1880	close	24.04	25.00	1.247	-	-	0.13	0.010	0.012
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECl 5	661	1880	close	24.04	25.00	1.247	-	-	0.12	0.392	0.489
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	ECl 5	9400	1880	close	18.61	19.50	1.227	-	-	-0.09	0.661	0.811



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WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	ECl 5	9262	1852.4	close	18.45	19.50	1.274	-	-	-0.06	0.668	0.851
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 2	-	ECl 5	9538	1907.6	close	18.47	19.50	1.268	-	-	-0.08	0.691	0.876
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 2	-	ECl 5	9400	1880	close	18.61	19.50	1.227	-	-	-0.17	0.110	0.135
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	17mm	Ant 2	-	ECl 4	9538	1907.6	close	23.22	24.00	1.197	-	-	-0.03	0.380	0.455
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 2	-	ECl 4	9400	1880	close	23.26	24.00	1.186	-	-	-0.14	0.112	0.133
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	ECl 5	9400	1880	close	19.05	20.00	1.245	-	-	-0.15	0.693	0.862
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	ECl 5	9262	1852.4	close	18.97	20.00	1.268	-	-	0.16	0.696	0.882
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 3	-	ECl 5	9538	1907.6	close	19.00	20.00	1.259	-	-	0.13	0.705	0.888
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 3	-	ECl 5	9400	1880	close	19.05	20.00	1.245	-	-	0.05	0.187	0.233
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	17mm	Ant 3	-	ECl 4	9538	1907.6	close	21.20	22.00	1.202	-	-	-0.13	0.125	0.150
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 3	-	ECl 4	9400	1880	close	21.25	22.00	1.189	-	-	-0.13	0.045	0.053
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECl 5	9400	1880	close	19.53	20.50	1.250	-	-	0.07	0.100	0.125
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECl 5	9400	1880	close	19.53	20.50	1.250	-	-	0.08	0.658	0.823
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECl 5	9262	1852.4	close	19.38	20.50	1.294	-	-	-0.03	0.677	0.876
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECl 5	9538	1907.6	close	19.42	20.50	1.282	-	-	0.19	0.654	0.839
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	17mm	Ant 0	-	ECl 4	9400	1880	close	22.30	23.00	1.175	-	-	0.13	0.003	0.004
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	-	ECl 4	9262	1852.4	close	22.15	23.00	1.216	-	-	0.02	0.160	0.195
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECl 5	9400	1880	close	17.90	19.30	1.380	-	-	-0.08	0.054	0.075
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECl 5	9400	1880	close	17.90	19.30	1.380	-	-	-0.08	0.607	0.838
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECl 5	9262	1852.4	close	17.74	19.30	1.432	-	-	-0.02	0.624	0.894
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECl 5	9538	1907.6	close	17.79	19.30	1.416	-	-	-0.13	0.614	0.869
WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	17mm	Ant 1	-	ECl 4	9400	1880	close	21.52	23.00	1.406	-	-	-0.1	0.002	0.003
WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 1	-	ECl 4	9262	1852.4	close	21.34	23.00	1.466	-	-	0.14	0.165	0.242
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECl 5	26340	1880	close	18.89	19.70	1.205	-	-	0.01	0.071	0.086
LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECl 5	26340	1880	close	18.88	19.70	1.208	-	-	-0.11	0.057	0.069
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	26340	1880	close	18.89	19.70	1.205	-	-	0.03	0.681	0.821
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	26140	1860	close	18.72	19.70	1.253	-	-	-0.05	0.685	0.858
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	26590	1905	close	18.78	19.70	1.236	-	-	-0.13	0.707	0.874
LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	26340	1880	close	18.88	19.70	1.208	-	-	0.14	0.520	0.628
LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECl 5	26340	1880	close	18.81	19.70	1.227	-	-	0.07	0.524	0.643
LTE Band 25	20M	QPSK	1	0	-	Front	17mm	Ant 1	-	ECl 4	26340	1880	close	22.80	24.00	1.318	-	-	-0.05	0.047	0.062
LTE Band 25	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	ECl 4	26590	1905	close	22.69	24.00	1.352	-	-	-0.04	0.295	0.399
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECl 5	26340	1880	close	18.17	19.50	1.358	-	-	-0.06	0.067	0.091
LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECl 5	26340	1880	close	18.15	19.50	1.365	-	-	0.02	0.051	0.070
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	26340	1880	close	18.17	19.50	1.358	-	-	-0.03	0.657	0.892
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	26140	1860	close	18.06	19.50	1.393	-	-	-0.1	0.598	0.833
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	26590	1905	close	18.08	19.50	1.387	-	-	0.07	0.612	0.849
LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	26340	1880	close	18.15	19.50	1.365	-	-	-0.12	0.518	0.707
LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECl 5	26340	1880	close	18.06	19.50	1.393	-	-	0.12	0.522	0.727
LTE Band 25	20M	QPSK	1	0	-	Front	17mm	Ant 0	-	ECl 4	26340	1880	close	23.31	24.00	1.172	-	-	0.15	0.045	0.053
LTE Band 25	20M	QPSK	1	0	-	Back	16mm	Ant 0	-	ECl 4	26340	1880	close	23.31	24.00	1.172	-	-	-0.05	0.279	0.327
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECl 5	26340	1880	close	21.45	22.60	1.303	-	-	-0.06	0.654	0.852
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECl 5	26140	1860	close	21.40	22.60	1.318	-	-	-0.13	0.665	0.877
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECl 5	26590	1905	close	21.41	22.60	1.315	-	-	0.03	0.670	0.881
LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECl 5	26340	1880	close	21.40	22.60	1.318	-	-	-0.01	0.520	0.685
LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	ECl 5	26340	1880	close	21.38	22.60	1.324	-	-	-0.14	0.519	0.687
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECl 5	26340	1880	close	21.45	22.60	1.303	-	-	-0.18	0.138	0.180
LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	ECl 5	26340	1880	close	21.40	22.60	1.318	-	-	-0.06	0.115	0.152
LTE Band 25	20M	QPSK	1	0	-	Front	17mm	Ant 3	-	ECl 4	26590	1905	close	23.35	24.00	1.161	-	-	0.03	0.209	0.243
LTE Band 25	20M	QPSK	1	0	-	Back	16mm	Ant 3	-	ECl 4	26340	1880	close	23.43	24.00	1.140	-	-	0.02	0.069	0.079
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECl 5	26340	1880	close	15.35	16.40	1.274	-	-	-0.01	0.681	0.867
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECl 5	26140	1860	close	15.32	16.40	1.282	-	-	0.14	0.697	0.894
LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECl 5	26590	1905	close	15.30	16.40	1.288	-	-	-0.11	0.636	0.819
LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECl 5	26340	1880	close	15.31	16.40	1.285	-	-	0.14	0.519	0.667
LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	ECl 5	26340	1880	close	15.28	16.40	1.294	-	-	0.16	0.515	0.667
LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECl 5	26340	1880	close	15.35	16.40	1.274	-	-	-0.06	0.114	0.145



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LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECl 5	26340	1880	close	15.31	16.40	1.285	-	-	0.02	0.090	0.116
LTE Band 25	20M	QPSK	1	0	-	Front	17mm	Ant 2	-	ECl 4	26140	1860	close	23.43	24.00	1.140	-	-	-0.07	0.558	0.636
LTE Band 25	20M	QPSK	1	0	-	Back	16mm	Ant 2	-	ECl 4	26340	1880	close	23.49	24.00	1.125	-	-	0.06	0.097	0.109
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECl 5	376500	1882.5	close	17.91	18.90	1.256	-	-	-0.16	0.671	0.843
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECl 5	376500	1882.5	close	17.89	18.90	1.262	-	-	-0.01	0.696	0.878
FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECl 5	376500	1882.5	close	17.80	18.90	1.288	-	-	0.05	0.653	0.841
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECl 5	376500	1882.5	close	17.91	18.90	1.256	-	-	-0.03	0.099	0.124
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECl 5	376500	1882.5	close	17.89	18.90	1.262	-	-	0.17	0.112	0.141
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 2	-	ECl 4	376500	1882.5	close	23.01	24.00	1.256	-	-	0.07	0.195	0.245
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 2	-	ECl 4	376500	1882.5	close	23.01	24.00	1.256	-	-	-0.04	0.059	0.074
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	376500	1882.5	close	21.68	22.70	1.265	-	-	0.02	0.688	0.870
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	376500	1882.5	close	21.63	22.70	1.279	-	-	-0.14	0.696	0.890
FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	376500	1882.5	close	21.54	22.70	1.306	-	-	0.16	0.618	0.807
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	376500	1882.5	close	21.68	22.70	1.265	-	-	0.01	0.152	0.192
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	376500	1882.5	close	21.63	22.70	1.279	-	-	-0.04	0.175	0.224
FR1 n25 other Path	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	376500	1882.5	close	21.63	22.70	1.279	-	-	-0.06	0.505	0.646
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 3	-	ECl 4	376500	1882.5	close	23.19	24.00	1.205	-	-	-0.15	0.128	0.154
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 3	-	ECl 4	376500	1882.5	close	23.19	24.00	1.205	-	-	-0.09	0.037	0.045
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECl 5	376500	1882.5	close	20.80	21.80	1.259	-	-	0.05	0.078	0.098
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECl 5	376500	1882.5	close	20.79	21.80	1.262	-	-	-0.05	0.097	0.122
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	376500	1882.5	close	20.80	21.80	1.259	-	-	0.07	0.672	0.846
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	376500	1882.5	close	20.79	21.80	1.262	-	-	-0.05	0.700	0.883
FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECl 5	376500	1882.5	close	20.63	21.80	1.309	-	-	0.15	0.643	0.842
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 0	-	ECl 4	376500	1882.5	close	23.32	24.00	1.169	-	-	0.1	0.021	0.025
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 0	-	ECl 4	376500	1882.5	close	23.32	24.00	1.169	-	-	-0.11	0.105	0.123
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	376500	1882.5	close	20.07	21.00	1.239	-	-	0.09	0.086	0.107
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	376500	1882.5	close	20.01	21.00	1.256	-	-	0.04	0.089	0.112
FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	376500	1882.5	close	20.07	21.00	1.239	-	-	0.11	0.696	0.862
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	376500	1882.5	close	20.01	21.00	1.256	-	-	-0.05	0.708	0.889
FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	376500	1882.5	close	19.91	21.00	1.285	-	-	-0.13	0.670	0.861
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	17mm	Ant 1	-	ECl 4	376500	1882.5	close	23.09	24.00	1.233	-	-	0.03	0.024	0.030
FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	16mm	Ant 1	-	ECl 4	376500	1882.5	close	23.09	24.00	1.233	-	-	0.16	0.154	0.190
2300MHz																					
LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECl 5	27710	2310	close	17.14	18.30	1.306	-	-	0.06	0.677	0.884
LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 2	-	ECl 5	27710	2310	close	17.12	18.30	1.312	-	-	0.12	0.655	0.859
LTE Band 30	10M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECl 5	27710	2310	close	17.09	18.30	1.321	-	-	-0.11	0.632	0.835
LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECl 5	27710	2310	close	17.14	18.30	1.306	-	-	0.17	0.175	0.229
LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 2	-	ECl 5	27710	2310	close	17.12	18.30	1.312	-	-	-0.16	0.134	0.176
LTE Band 30	10M	QPSK	1	0	-	Front	17mm	Ant 2	-	ECl 4	27710	2310	close	23.64	24.00	1.086	-	-	0.01	0.617	0.670
LTE Band 30	10M	QPSK	1	0	-	Back	16mm	Ant 2	-	ECl 4	27710	2310	close	23.64	24.00	1.086	-	-	-0.06	0.190	0.206
LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECl 5	27710	2310	close	19.41	20.70	1.346	-	-	0.02	0.664	0.894
LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 3	-	ECl 5	27710	2310	close	19.39	20.70	1.352	-	-	-0.12	0.659	0.891
LTE Band 30	10M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECl 5	27710	2310	close	19.38	20.70	1.355	-	-	0.02	0.604	0.819
LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECl 5	27710	2310	close	19.41	20.70	1.346	-	-	-0.17	0.200	0.269
LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 3	-	ECl 5	27710	2310	close	19.39	20.70	1.352	-	-	0.08	0.188	0.254
LTE Band 30	10M	QPSK	1	0	-	Front	17mm	Ant 3	-	ECl 4	27710	2310	close	22.95	24.00	1.274	-	-	-0.06	0.112	0.143
LTE Band 30	10M	QPSK	1	0	-	Back	16mm	Ant 3	-	ECl 4	27710	2310	close	22.95	24.00	1.274	-	-	-0.19	0.059	0.075
LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECl 5	27710	2310	close	21.37	22.40	1.268	-	-	0.09	0.081	0.103
LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECl 5	27710	2310	close	21.35	22.40	1.274	-	-	0.1	0.064	0.082
LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	27710	2310	close	21.37	22.40	1.268	-	-	-0.05	0.698	0.885
LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECl 5	27710	2310	close	21.35	22.40	1.274	-	-	-0.04	0.665	0.847
LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	27710	2310	close	21.34	22.40	1.276	-	-	0.15	0.615	0.785
LTE Band 30	10M	QPSK	1	0	-	Front	17mm	Ant 0	-	ECl 4	27710	2310	close	24.20	25.00	1.202	-	-	-0.04	0.045	0.054
LTE Band 30	10M	QPSK	1	0	-	Back	16mm	Ant 0	-	ECl 4	27710	2310	close	24.20	25.00	1.202	-	-	0.12	0.127	0.153
LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECl 5	27710	2310	close	19.18	20.40	1.324	-	-	-0.18	0.111	0.147
LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECl 5	27710	2310	close	19.16	20.40	1.330	-	-	-0.03	0.089	0.118



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Table with columns for Band, Power, Modulation, etc. Includes sections for LTE Band 30, FR1 n30, and 2600MHz.



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LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECl 5	21100	2535	close	20.30	21.20	1.230	-	-	0.08	0.112	0.138
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	21100	2535	close	20.37	21.20	1.211	-	-	-0.07	0.677	0.820
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	20850	2510	close	19.99	21.20	1.321	-	-	0.05	0.613	0.810
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	21350	2560	close	20.29	21.20	1.233	-	-	0.02	0.720	0.888
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	21100	2535	close	20.30	21.20	1.230	-	-	-0.11	0.583	0.717
LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECl 5	21100	2535	close	20.25	21.20	1.245	-	-	-0.16	0.596	0.742
LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	21350+ 21152	2560+ 2540.2	close	20.15	21.20	1.274	-	-	0.06	0.654	0.833
LTE Band 7	20M	QPSK	1	0	-	Front	17mm	Ant 0	-	ECl 4	21100	2535	close	24.33	25.00	1.167	-	-	0.17	0.110	0.128
LTE Band 7	20M	QPSK	1	0	-	Back	16mm	Ant 0	-	ECl 4	21350	2560	close	24.28	25.00	1.180	-	-	0.13	0.225	0.266
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECl 5	21100	2535	close	19.66	21.00	1.361	-	-	0.06	0.135	0.184
LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECl 5	21100	2535	close	19.64	21.00	1.368	-	-	0.01	0.131	0.179
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	21100	2535	close	19.66	21.00	1.361	-	-	-0.01	0.607	0.826
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	20850	2510	close	19.63	21.00	1.371	-	-	0.09	0.642	0.880
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	21350	2560	close	19.60	21.00	1.380	-	-	-0.06	0.607	0.838
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	21100	2535	close	19.64	21.00	1.368	-	-	-0.04	0.595	0.814
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	20850	2510	close	19.50	21.00	1.413	-	-	-0.09	0.593	0.838
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	21350	2560	close	19.52	21.00	1.406	-	-	-0.17	0.601	0.845
LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECl 5	21100	2535	close	19.63	21.00	1.371	-	-	-0.1	0.591	0.810
LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECl 5	20850+ 21048	2510+ 2529.8	close	19.49	21.00	1.416	-	-	0.03	0.599	0.848
LTE Band 7	20M	QPSK	1	0	-	Front	17mm	Ant 1	-	ECl 4	21100	2535	close	23.67	24.00	1.079	-	-	0.07	0.077	0.083
LTE Band 7	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	ECl 4	20850	2510	close	23.38	24.00	1.153	-	-	0.06	0.279	0.322
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECl 5	40620	2593	close	22.40	23.60	1.318	62.9	1.006	0.18	0.141	0.187
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECl 5	40620	2593	close	22.38	23.60	1.324	62.9	1.006	-0.17	0.109	0.145
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	40620	2593	close	22.40	23.60	1.318	62.9	1.006	-0.04	0.561	0.744
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	39750	2506	close	22.38	23.60	1.324	62.9	1.006	-0.05	0.632	0.842
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	40185	2549.5	close	22.34	23.60	1.337	62.9	1.006	0.06	0.657	0.883
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	41055	2636.5	close	22.36	23.60	1.330	62.9	1.006	0.01	0.482	0.645
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	41490	2680	close	22.33	23.60	1.340	62.9	1.006	-0.13	0.642	0.865
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	40620	2593	close	22.38	23.60	1.324	62.9	1.006	-0.01	0.543	0.723
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	39750	2506	close	22.28	23.60	1.355	62.9	1.006	-0.09	0.502	0.684
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	40185	2549.5	close	22.26	23.60	1.361	62.9	1.006	0.05	0.519	0.711
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	41055	2636.5	close	22.31	23.60	1.346	62.9	1.006	0.02	0.497	0.673
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECl 5	41490	2680	close	22.23	23.60	1.371	62.9	1.006	-0.13	0.520	0.717
LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECl 5	40620	2593	close	22.37	23.60	1.327	62.9	1.006	0.17	0.507	0.677
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECl 5	40185	2549.5	close	23.83	25.20	1.371	42.9	1.009	-0.09	0.587	0.812
LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECl 5	40185+ 40383	2549.5+ 2569.3	close	22.21	23.60	1.377	62.9	1.006	0.06	0.634	0.878
LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECl 5	40185+ 40383	2549.5+ 2569.3	close	23.67	25.20	1.422	42.9	1.009	-0.09	0.548	0.786
LTE Band 41	20M	QPSK	1	0	-	Front	17mm	Ant 1	-	ECl 4	40620	2593	close	23.76	25.00	1.330	62.9	1.006	0.19	0.011	0.015
LTE Band 41	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	ECl 4	40185	2549.5	close	23.66	25.00	1.361	62.9	1.006	-0.01	0.093	0.127
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	ECl 4	40185	2549.5	close	26.11	27.00	1.227	42.9	1.009	-0.03	0.102	0.126
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECl 5	40620	2593	close	23.02	23.90	1.225	62.9	1.006	-0.02	0.152	0.187
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECl 5	40620	2593	close	22.93	23.90	1.250	62.9	1.006	0.15	0.121	0.152
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	40620	2593	close	23.02	23.90	1.225	62.9	1.006	-0.09	0.677	0.834
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	39750	2506	close	23.00	23.90	1.230	62.9	1.006	0.11	0.589	0.729
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	40185	2549.5	close	22.95	23.90	1.245	62.9	1.006	-0.05	0.639	0.800
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	41055	2636.5	close	22.86	23.90	1.271	62.9	1.006	0.08	0.699	0.893
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	41490	2680	close	22.92	23.90	1.253	62.9	1.006	-0.08	0.648	0.817
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	40620	2593	close	22.93	23.90	1.250	62.9	1.006	0.16	0.543	0.683
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	39750	2506	close	22.73	23.90	1.309	62.9	1.006	0.05	0.470	0.619
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	40185	2549.5	close	22.82	23.90	1.282	62.9	1.006	0.05	0.513	0.662
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	41055	2636.5	close	22.73	23.90	1.309	62.9	1.006	-0.03	0.553	0.728
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECl 5	41490	2680	close	22.77	23.90	1.297	62.9	1.006	-0.15	0.520	0.679
LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECl 5	40620	2593	close	22.86	23.90	1.271	62.9	1.006	0.02	0.543	0.694
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECl 5	41055	2636.5	close	24.09	25.50	1.384	42.9	1.009	-0.09	0.634	0.885
LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECl 5	41055+ 41253	2636.5+ 2656.3	close	22.74	23.90	1.306	62.9	1.006	0.08	0.648	0.851



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LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 5	41055+41253	2636.5+2656.3	close	23.90	25.50	1.445	42.9	1.009	-0.09	0.589	0.859
LTE Band 41	20M	QPSK	1	0	-	Front	17mm	Ant 0	-	ECI 4	40620	2593	close	24.56	25.00	1.107	62.9	1.006	0.02	0.055	0.061
LTE Band 41	20M	QPSK	1	0	-	Back	16mm	Ant 0	-	ECI 4	41055	2636.5	close	24.36	25.00	1.159	62.9	1.006	0.1	0.110	0.128
LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	16mm	Ant 0	-	ECI 4	41055	2636.5	close	26.81	28.00	1.315	42.9	1.009	-0.04	0.122	0.162
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	40620	2593	close	22.10	22.90	1.202	62.9	1.006	-0.15	0.691	0.836
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	39750	2506	close	22.05	22.90	1.216	62.9	1.006	0.19	0.558	0.683
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	40185	2549.5	close	22.08	22.90	1.208	62.9	1.006	0.07	0.604	0.734
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	41055	2636.5	close	22.03	22.90	1.222	62.9	1.006	-0.18	0.704	0.865
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	41490	2680	close	22.06	22.90	1.213	62.9	1.006	0.08	0.722	0.881
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	40620	2593	close	22.05	22.90	1.216	62.9	1.006	0.03	0.525	0.642
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	39750	2506	close	22.02	22.90	1.225	62.9	1.006	-0.15	0.530	0.653
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	40185	2549.5	close	21.96	22.90	1.242	62.9	1.006	-0.15	0.529	0.661
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	41055	2636.5	close	21.97	22.90	1.239	62.9	1.006	0.11	0.554	0.690
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	41490	2680	close	21.95	22.90	1.245	62.9	1.006	-0.08	0.564	0.706
LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	ECI 5	40620	2593	close	22.01	22.90	1.227	62.9	1.006	-0.17	0.520	0.642
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 5	40620	2593	close	22.10	22.90	1.202	62.9	1.006	-0.08	0.318	0.385
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	ECI 5	40620	2593	close	22.05	22.90	1.216	62.9	1.006	-0.04	0.247	0.302
LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	41490	2680	close	23.29	24.50	1.321	42.9	1.009	-0.14	0.660	0.880
LTE Band 41C	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	41490+41292	2680+2660.2	close	21.88	22.90	1.265	62.9	1.006	0.01	0.668	0.850
LTE Band 41C HPUE	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	41490+41292	2680+2660.2	close	23.12	24.50	1.374	42.9	1.009	0.03	0.621	0.861
LTE Band 41	20M	QPSK	1	0	-	Front	17mm	Ant 3	-	ECI 4	41490	2680	close	22.95	24.00	1.274	62.9	1.006	-0.04	0.112	0.143
LTE Band 41	20M	QPSK	1	0	-	Back	16mm	Ant 3	-	ECI 4	40620	2593	close	23.11	24.00	1.227	62.9	1.006	0.01	0.061	0.075
LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	17mm	Ant 3	-	ECI 4	41490	2680	close	25.88	27.00	1.294	42.9	1.009	-0.09	0.138	0.180
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	40620	2593	close	19.70	20.80	1.288	62.9	1.006	0.08	0.674	0.873
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	39750	2506	close	19.62	20.80	1.312	62.9	1.006	0.01	0.536	0.708
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	40185	2549.5	close	19.64	20.80	1.306	62.9	1.006	0.03	0.594	0.781
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	41055	2636.5	close	19.67	20.80	1.297	62.9	1.006	-0.03	0.677	0.883
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	41490	2680	close	19.65	20.80	1.303	62.9	1.006	-0.08	0.578	0.758
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 5	40620	2593	close	19.68	20.80	1.294	62.9	1.006	-0.08	0.533	0.694
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 5	39750	2506	close	19.58	20.80	1.324	62.9	1.006	0.1	0.425	0.566
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 5	40185	2549.5	close	19.61	20.80	1.315	62.9	1.006	-0.18	0.476	0.630
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 5	41055	2636.5	close	19.54	20.80	1.337	62.9	1.006	0.1	0.536	0.721
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 5	41490	2680	close	19.62	20.80	1.312	62.9	1.006	0.12	0.463	0.611
LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	ECI 5	40620	2593	close	19.63	20.80	1.309	62.9	1.006	0.08	0.530	0.698
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 5	40620	2593	close	19.70	20.80	1.288	62.9	1.006	-0.17	0.354	0.459
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 5	40620	2593	close	19.68	20.80	1.294	62.9	1.006	0.18	0.290	0.378
LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 5	41055	2636.5	close	20.93	22.40	1.403	42.9	1.009	-0.05	0.605	0.856
LTE Band 41C	20M	QPSK	1	99	-	Front	5mm	Ant 2	-	ECI 5	41055+41253	2636.5+2656.3	close	19.56	20.80	1.330	62.9	1.006	0.18	0.608	0.814
LTE Band 41C HPUE	20M	QPSK	1	99	-	Front	5mm	Ant 2	-	ECI 5	41055+41253	2636.5+2656.3	close	20.80	22.40	1.445	42.9	1.009	0.14	0.562	0.820
LTE Band 41	20M	QPSK	1	0	-	Front	17mm	Ant 2	-	ECI 4	41055	2636.5	close	24.20	25.00	1.202	62.9	1.006	0.17	0.220	0.266
LTE Band 41	20M	QPSK	1	0	-	Back	16mm	Ant 2	-	ECI 4	40620	2593	close	24.22	25.00	1.197	62.9	1.006	-0.15	0.214	0.258
LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	17mm	Ant 2	-	ECI 4	41055	2636.5	close	26.56	28.00	1.393	42.9	1.009	0.18	0.250	0.351
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECI 5	507000	2535	close	18.87	19.80	1.239	-	-	0.1	0.698	0.865
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECI 5	507000	2535	close	18.85	19.80	1.245	-	-	-0.05	0.706	0.879
FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 2	-	ECI 5	507000	2535	close	18.79	19.80	1.262	-	-	-0.17	0.603	0.761
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECI 5	507000	2535	close	18.87	19.80	1.239	-	-	0.04	0.309	0.383
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 2	-	ECI 5	507000	2535	close	18.85	19.80	1.245	-	-	-0.01	0.346	0.431
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	17mm	Ant 2	-	ECI 4	507000	2535	close	23.49	24.00	1.125	-	-	0.15	0.159	0.179
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	16mm	Ant 2	-	ECI 4	507000	2535	close	23.49	24.00	1.125	-	-	0.03	0.131	0.147
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 5	507000	2535	close	20.07	21.10	1.268	-	-	0.07	0.100	0.127
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 5	507000	2535	close	19.97	21.10	1.297	-	-	0.16	0.118	0.153
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 5	507000	2535	close	20.07	21.10	1.268	-	-	0.13	0.635	0.805
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 5	507000	2535	close	19.97	21.10	1.297	-	-	-0.08	0.683	0.886
FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 5	507000	2535	close	19.94	21.10	1.306	-	-	-0.18	0.598	0.781
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	17mm	Ant 0	-	ECI 4	507000	2535	close	23.28	24.00	1.180	-	-	-0.07	0.041	0.048



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FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	16mm	Ant 0	-	ECl 4	507000	2535	close	23.28	24.00	1.180	-	-	-0.03	0.098	0.116
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	507000	2535	close	20.48	21.70	1.324	-	-	-0.08	0.621	0.822
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	507000	2535	close	20.46	21.70	1.330	-	-	0.08	0.669	0.890
FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	507000	2535	close	20.39	21.70	1.352	-	-	0.17	0.608	0.822
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	507000	2535	close	20.48	21.70	1.324	-	-	0.18	0.237	0.314
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 3	-	ECl 5	507000	2535	close	20.46	21.70	1.330	-	-	-0.04	0.257	0.342
FR1 n7 other Path	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 3	-	ECl 5	507000	2535	close	20.46	21.70	1.330	-	-	0.06	0.479	0.637
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	17mm	Ant 3	-	ECl 4	507000	2535	close	23.49	24.00	1.125	-	-	-0.16	0.086	0.097
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	16mm	Ant 3	-	ECl 4	507000	2535	close	23.49	24.00	1.125	-	-	0.15	0.048	0.054
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	507000	2535	close	20.94	21.70	1.191	-	-	0.06	0.107	0.127
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECl 5	507000	2535	close	20.86	21.70	1.213	-	-	0.01	0.141	0.171
FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	507000	2535	close	20.94	21.70	1.191	-	-	-0.04	0.691	0.823
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	507000	2535	close	20.86	21.70	1.213	-	-	-0.02	0.725	0.880
FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECl 5	507000	2535	close	20.81	21.70	1.227	-	-	-0.15	0.656	0.805
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	17mm	Ant 1	-	ECl 4	507000	2535	close	22.81	24.00	1.315	-	-	0.1	0.056	0.074
FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	16mm	Ant 1	-	ECl 4	507000	2535	close	22.81	24.00	1.315	-	-	0.15	0.128	0.168
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	518598	2592.99	close	18.86	20.20	1.361	-	-	-0.08	0.594	0.809
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	518598	2592.99	close	18.76	20.20	1.393	-	-	0.05	0.627	0.874
FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	518598	2592.99	close	18.65	20.20	1.429	-	-	-0.13	0.568	0.812
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	518598	2592.99	close	18.86	20.20	1.361	-	-	-0.13	0.205	0.279
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	518598	2592.99	close	18.76	20.20	1.393	-	-	0.06	0.293	0.408
FR1 n41 HPUE other Path	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	518598	2592.99	close	20.45	22.00	1.429	-	-	0.03	0.609	0.870
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 3	-	ECl 4	518598	2592.99	close	24.22	25.00	1.197	-	-	0.06	0.102	0.122
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 3	-	ECl 4	518598	2592.99	close	24.22	25.00	1.197	-	-	0.15	0.059	0.071
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECl 5	518598	2592.99	close	19.80	20.80	1.259	-	-	0.02	0.104	0.131
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECl 5	518598	2592.99	close	19.78	20.80	1.265	-	-	0.16	0.121	0.153
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECl 5	518598	2592.99	close	19.80	20.80	1.259	-	-	-0.03	0.686	0.864
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECl 5	518598	2592.99	close	19.78	20.80	1.265	-	-	-0.09	0.704	0.890
FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECl 5	518598	2592.99	close	19.71	20.80	1.285	-	-	0.07	0.605	0.778
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 0	-	ECl 4	518598	2592.99	close	24.87	26.00	1.297	-	-	0.05	0.039	0.051
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 0	-	ECl 4	518598	2592.99	close	24.87	26.00	1.297	-	-	-0.15	0.098	0.127
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECl 5	518598	2592.99	close	17.73	19.10	1.371	-	-	-0.06	0.651	0.892
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECl 5	518598	2592.99	close	17.68	19.10	1.387	-	-	0.06	0.625	0.867
FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECl 5	518598	2592.99	close	17.61	19.10	1.409	-	-	-0.09	0.578	0.815
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECl 5	518598	2592.99	close	17.73	19.10	1.371	-	-	-0.08	0.322	0.441
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECl 5	518598	2592.99	close	17.68	19.10	1.387	-	-	0.13	0.295	0.409
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 2	-	ECl 4	518598	2592.99	close	26.35	27.00	1.161	-	-	0.14	0.141	0.164
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 2	-	ECl 4	518598	2592.99	close	26.35	27.00	1.161	-	-	-0.16	0.098	0.114
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECl 5	518598	2592.99	close	20.71	22.10	1.377	-	-	0.11	0.141	0.194
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECl 5	518598	2592.99	close	20.66	22.10	1.393	-	-	-0.02	0.119	0.166
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECl 5	518598	2592.99	close	20.71	22.10	1.377	-	-	0.05	0.645	0.888
FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECl 5	518598	2592.99	close	20.66	22.10	1.393	-	-	0.1	0.620	0.864
FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECl 5	518598	2592.99	close	20.61	22.10	1.409	-	-	0.04	0.554	0.781
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 1	-	ECl 4	518598	2592.99	close	24.76	26.00	1.330	-	-	-0.12	0.065	0.086
FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 1	-	ECl 4	518598	2592.99	close	24.76	26.00	1.330	-	-	-0.15	0.135	0.180
3500-3900MHz																					
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECl 5	55830	3609	close	19.70	20.80	1.288	62.9	1.006	0.13	0.671	0.870
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECl 5	55340	3560	close	19.68	20.80	1.294	62.9	1.006	-0.08	0.682	0.888
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECl 5	56150	3641	close	19.66	20.80	1.300	62.9	1.006	-0.18	0.660	0.863
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECl 5	56640	3690	close	19.65	20.80	1.303	62.9	1.006	-0.11	0.671	0.880
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECl 5	55830	3609	close	19.68	20.80	1.294	62.9	1.006	-0.16	0.560	0.729
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECl 5	55340	3560	close	19.60	20.80	1.318	62.9	1.006	-0.15	0.582	0.772
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECl 5	56150	3641	close	19.56	20.80	1.330	62.9	1.006	-0.06	0.553	0.740
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECl 5	56640	3690	close	19.58	20.80	1.324	62.9	1.006	-0.14	0.566	0.754
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 4	-	ECl 5	55830	3609	close	19.63	20.80	1.309	62.9	1.006	-0.19	0.566	0.745
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECl 5	55830	3609	close	19.70	20.80	1.288	62.9	1.006	0.01	0.289	0.375



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LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 5	55830	3609	close	19.68	20.80	1.294	62.9	1.006	-0.16	0.242	0.315
LTE Band 48C	20M	QPSK	1	99	-	Front	5mm	Ant 4	-	ECI 5	55340+55538	3560+3579.8	close	19.53	20.80	1.340	62.9	1.006	-0.08	0.638	0.860
LTE Band 48	20M	QPSK	1	0	-	Front	17mm	Ant 4	-	ECI 4	55340	3560	close	23.65	24.00	1.084	62.9	1.006	-0.19	0.259	0.282
LTE Band 48	20M	QPSK	1	0	-	Back	16mm	Ant 4	-	ECI 4	55830	3609	close	23.73	24.00	1.064	62.9	1.006	-0.13	0.101	0.108
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 5	55830	3609	close	19.30	20.50	1.318	62.9	1.006	-0.15	0.583	0.773
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 5	55340	3560	close	19.28	20.50	1.324	62.9	1.006	-0.02	0.494	0.658
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 5	56150	3641	close	19.25	20.50	1.334	62.9	1.006	-0.09	0.612	0.821
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 5	56640	3690	close	19.27	20.50	1.327	62.9	1.006	-0.03	0.665	0.888
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 5	55830	3609	close	19.28	20.50	1.324	62.9	1.006	0.14	0.469	0.625
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 5	55340	3560	close	19.15	20.50	1.365	62.9	1.006	0.1	0.412	0.566
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 5	56150	3641	close	19.22	20.50	1.343	62.9	1.006	-0.09	0.498	0.673
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 5	56640	3690	close	19.21	20.50	1.346	62.9	1.006	0.07	0.551	0.746
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 6	-	ECI 5	55830	3609	close	19.26	20.50	1.330	62.9	1.006	-0.09	0.469	0.628
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 5	55830	3609	close	19.30	20.50	1.318	62.9	1.006	-0.16	0.084	0.111
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	ECI 5	55830	3609	close	19.28	20.50	1.324	62.9	1.006	-0.18	0.070	0.093
LTE Band 48C	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 5	56640+56442	3690+3670.2	close	19.16	20.50	1.361	62.9	1.006	0.02	0.616	0.844
LTE Band 48	20M	QPSK	1	0	-	Front	17mm	Ant 6	-	ECI 4	56640	3690	close	23.30	24.00	1.175	62.9	1.006	0.11	0.201	0.238
LTE Band 48	20M	QPSK	1	0	-	Back	16mm	Ant 6	-	ECI 4	55830	3609	close	23.36	24.00	1.159	62.9	1.006	0.11	0.081	0.094
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	55830	3609	close	23.06	24.00	1.242	62.9	1.006	0.16	0.580	0.724
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	55340	3560	close	23.00	24.00	1.259	62.9	1.006	-0.06	0.645	0.817
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	56150	3641	close	22.96	24.00	1.271	62.9	1.006	0.02	0.592	0.757
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	56640	3690	close	23.03	24.00	1.250	62.9	1.006	-0.15	0.661	0.831
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	55830	3609	close	22.09	23.00	1.233	62.9	1.006	-0.16	0.521	0.646
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	55340	3560	close	22.02	23.00	1.253	62.9	1.006	0.05	0.547	0.690
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	56150	3641	close	22.02	23.00	1.253	62.9	1.006	-0.03	0.498	0.628
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 5	56640	3690	close	22.02	23.00	1.253	62.9	1.006	0.17	0.556	0.701
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 3	-	ECI 5	55830	3609	close	22.04	23.00	1.247	62.9	1.006	-0.15	0.482	0.605
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 5	55830	3609	close	23.06	24.00	1.242	62.9	1.006	0.16	0.413	0.516
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	ECI 5	55830	3609	close	22.09	23.00	1.233	62.9	1.006	-0.01	0.342	0.424
LTE Band 48C	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 5	56640+56442	3690+3670.2	close	22.88	24.00	1.294	62.9	1.006	-0.15	0.621	0.809
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	ECI 5	55830	3609	close	22.04	23.60	1.432	62.9	1.006	-0.19	0.621	0.895
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	ECI 5	55340	3560	close	22.00	23.60	1.445	62.9	1.006	-0.03	0.562	0.817
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	ECI 5	56150	3641	close	21.95	23.60	1.462	62.9	1.006	0.02	0.579	0.852
LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 8	-	ECI 5	56640	3690	close	21.98	23.60	1.452	62.9	1.006	0.12	0.607	0.887
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	ECI 5	55830	3609	close	21.96	23.00	1.271	62.9	1.006	0.02	0.473	0.605
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	ECI 5	55340	3560	close	21.91	23.00	1.285	62.9	1.006	-0.03	0.444	0.574
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	ECI 5	56150	3641	close	21.83	23.00	1.309	62.9	1.006	0.03	0.472	0.622
LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 8	-	ECI 5	56640	3690	close	21.95	23.00	1.274	62.9	1.006	-0.1	0.492	0.630
LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 8	-	ECI 5	55830	3609	close	21.95	23.00	1.274	62.9	1.006	0.05	0.475	0.609
LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 8	-	ECI 5	55830	3609	close	22.04	23.60	1.432	62.9	1.006	0.02	0.051	0.073
LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 8	-	ECI 5	55830	3609	close	21.96	23.00	1.271	62.9	1.006	0.07	0.050	0.064
LTE Band 48C	20M	QPSK	1	99	-	Front	5mm	Ant 8	-	ECI 5	55830+56028	3609+3628.8	close	21.91	23.60	1.476	62.9	1.006	0.01	0.575	0.854
LTE Band 48	20M	QPSK	1	0	-	Front	17mm	Ant 8	-	ECI 4	55830	3609	close	23.29	24.00	1.178	62.9	1.006	-0.09	0.169	0.200
LTE Band 48	20M	QPSK	1	0	-	Back	16mm	Ant 8	-	ECI 4	55830	3609	close	23.29	24.00	1.178	62.9	1.006	0.05	0.041	0.049
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	641666	3624.99	close	20.46	21.90	1.393	-	-	0.15	0.596	0.830
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	638000	3570	close	20.35	21.90	1.429	-	-	0.05	0.543	0.776
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	645332	3679.98	close	20.37	21.90	1.422	-	-	-0.11	0.511	0.727
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	641666	3624.99	close	20.41	21.90	1.409	-	-	-0.03	0.626	0.882
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	638000	3570	close	20.32	21.90	1.439	-	-	0.08	0.578	0.832
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	645332	3679.98	close	20.16	21.90	1.493	-	-	-0.07	0.532	0.794
FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 5	641666	3624.99	close	20.20	21.00	1.202	-	-	-0.05	0.601	0.723
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 5	641666	3624.99	close	20.46	21.90	1.393	-	-	-0.08	0.043	0.060
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 5	641666	3624.99	close	20.41	21.90	1.409	-	-	-0.08	0.045	0.063
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	17mm	Ant 8	-	ECI 4	641666	3624.99	close	21.33	22.00	1.167	-	-	0.19	0.167	0.195
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	16mm	Ant 8	-	ECI 4	641666	3624.99	close	21.33	22.00	1.167	-	-	-0.09	0.032	0.037



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FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	641666	3624.99	close	21.35	22.50	1.303	-	-	-0.01	0.676	0.881
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	638000	3570	close	21.28	22.50	1.324	-	-	-0.03	0.611	0.809
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	645332	3679.98	close	21.34	22.50	1.306	-	-	-0.03	0.589	0.769
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	641666	3624.99	close	21.32	22.50	1.312	-	-	-0.06	0.654	0.858
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	638000	3570	close	21.22	22.50	1.343	-	-	-0.13	0.623	0.837
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	645332	3679.98	close	21.16	22.50	1.361	-	-	0.06	0.582	0.792
FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	641666	3624.99	close	21.27	22.50	1.327	-	-	0.02	0.528	0.701
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	641666	3624.99	close	21.35	22.50	1.303	-	-	0.16	0.154	0.201
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	641666	3624.99	close	21.32	22.50	1.312	-	-	0.01	0.125	0.164
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 3	-	ECl 4	641666	3624.99	close	23.31	24.00	1.172	-	-	-0.17	0.301	0.353
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 3	-	ECl 4	641666	3624.99	close	23.31	24.00	1.172	-	-	0.02	0.125	0.147
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	641666	3624.99	close	20.49	21.50	1.262	-	-	0.19	0.704	0.888
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	638000	3570	close	20.38	21.50	1.294	-	-	-0.08	0.611	0.791
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	645332	3679.98	close	20.39	21.50	1.291	-	-	-0.13	0.645	0.833
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	641666	3624.99	close	20.41	21.50	1.285	-	-	-0.07	0.689	0.886
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	638000	3570	close	20.20	21.50	1.349	-	-	0.18	0.634	0.855
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	645332	3679.98	close	20.14	21.50	1.368	-	-	-0.04	0.622	0.851
FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	641666	3624.99	close	19.91	21.00	1.285	-	-	0.02	0.578	0.743
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECl 5	641666	3624.99	close	20.49	21.50	1.262	-	-	0.11	0.095	0.120
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECl 5	641666	3624.99	close	20.41	21.50	1.285	-	-	-0.08	0.092	0.118
FR1 n48 other Path	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	641666	3624.99	close	17.79	19.10	1.352	-	-	0.05	0.651	0.880
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 6	-	ECl 4	641666	3624.99	close	21.44	22.00	1.138	-	-	-0.02	0.185	0.210
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 6	-	ECl 4	641666	3624.99	close	21.44	22.00	1.138	-	-	0.02	0.036	0.041
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	641666	3624.99	close	20.39	21.20	1.205	-	-	-0.06	0.726	0.875
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	638000	3570	close	20.30	21.20	1.230	-	-	-0.08	0.689	0.848
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	645332	3679.98	close	20.34	21.20	1.219	-	-	0.17	0.633	0.772
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	641666	3624.99	close	20.33	21.20	1.222	-	-	-0.13	0.611	0.747
FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	641666	3624.99	close	20.24	21.20	1.247	-	-	0.08	0.621	0.775
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECl 5	641666	3624.99	close	20.39	21.20	1.205	-	-	0.16	0.321	0.387
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECl 5	641666	3624.99	close	20.33	21.20	1.222	-	-	0.01	0.353	0.431
FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 4	-	ECl 4	641666	3624.99	close	23.51	25.00	1.409	-	-	-0.12	0.334	0.471
FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	16mm	Ant 4	-	ECl 4	641666	3624.99	close	23.50	25.00	1.413	-	-	0.18	0.119	0.168
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	656000	3840	close	19.87	21.00	1.297	-	-	0.1	0.415	0.538
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	656000	3840	close	19.69	21.00	1.352	-	-	-0.02	0.445	0.602
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECl 5	656000	3840	close	19.87	21.00	1.297	-	-	-0.01	0.137	0.178
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECl 5	656000	3840	close	19.69	21.00	1.352	-	-	0.03	0.121	0.164
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 4	-	ECl 4	656000	3840	close	26.34	27.00	1.164	-	-	0.03	0.359	0.418
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 4	-	ECl 4	656000	3840	close	26.46	27.00	1.132	-	-	0.09	0.267	0.302
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	633334	3500.01	close	20.02	21.00	1.253	-	-	-0.06	0.639	0.801
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	633334	3500.01	close	19.87	21.00	1.297	-	-	-0.04	0.681	0.883
FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECl 5	633334	3500.01	close	19.83	21.00	1.309	-	-	-0.15	0.442	0.579
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECl 5	633334	3500.01	close	20.02	21.00	1.253	-	-	0.03	0.144	0.180
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECl 5	633334	3500.01	close	19.87	21.00	1.297	-	-	-0.13	0.194	0.252
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 4	-	ECl 4	633334	3500.01	close	26.58	27.00	1.102	-	-	-0.09	0.486	0.535
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 4	-	ECl 4	633334	3500.01	close	26.58	27.00	1.102	-	-	-0.18	0.231	0.254
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	656000	3840	close	16.96	18.10	1.300	-	-	0.02	0.679	0.883
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	656000	3840	close	16.88	18.10	1.324	-	-	-0.1	0.645	0.854
FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	656000	3840	close	16.78	18.10	1.355	-	-	-0.01	0.623	0.844
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECl 5	656000	3840	close	16.96	18.10	1.300	-	-	-0.09	0.132	0.172
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECl 5	656000	3840	close	16.88	18.10	1.324	-	-	-0.06	0.152	0.201
FR1 n77 Part 270 HPUE Other Path	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	656000	3840	close	17.85	19.20	1.365	-	-	-0.07	0.642	0.876
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 6	-	ECl 4	656000	3840	close	23.92	25.00	1.282	-	-	0.02	0.269	0.345
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 6	-	ECl 4	656000	3840	close	23.84	25.00	1.306	-	-	-0.11	0.094	0.123
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	633334	3500.01	close	17.28	18.10	1.208	-	-	-0.01	0.422	0.510
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	633334	3500.01	close	17.25	18.10	1.216	-	-	0.09	0.599	0.728
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECl 5	633334	3500.01	close	17.28	18.10	1.208	-	-	0.14	0.060	0.072



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FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECl 5	633334	3500.01	close	17.25	18.10	1.216	-	-	0.03	0.072	0.088
FR1 n77 Part 27Q HPUE Other Path	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECl 5	633334	3500.01	close	17.66	19.20	1.426	-	-	0.05	0.423	0.603
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 6	-	ECl 4	633334	3500.01	close	24.20	25.00	1.202	-	-	-0.05	0.301	0.362
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 6	-	ECl 4	633334	3500.01	close	24.20	25.00	1.202	-	-	0.03	0.131	0.157
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	656000	3840	close	18.82	19.90	1.282	-	-	0.13	0.581	0.745
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	656000	3840	close	18.80	19.90	1.288	-	-	-0.05	0.606	0.781
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	656000	3840	close	18.82	19.90	1.282	-	-	0.07	0.090	0.115
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	656000	3840	close	18.80	19.90	1.288	-	-	0.08	0.066	0.085
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 3	-	ECl 4	656000	3840	close	26.23	27.00	1.194	-	-	0.18	0.355	0.424
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 3	-	ECl 4	656000	3840	close	26.28	27.00	1.180	-	-	0.16	0.205	0.242
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	633334	3500.01	close	18.86	19.90	1.271	-	-	-0.06	0.701	0.891
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	633334	3500.01	close	18.65	19.90	1.334	-	-	0.03	0.662	0.883
FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECl 5	633334	3500.01	close	18.66	19.90	1.330	-	-	0.01	0.618	0.822
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	633334	3500.01	close	18.86	19.90	1.271	-	-	-0.03	0.191	0.243
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECl 5	633334	3500.01	close	18.65	19.90	1.334	-	-	0.07	0.226	0.301
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 3	-	ECl 4	633334	3500.01	close	26.30	27.00	1.175	-	-	0.13	0.352	0.414
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 3	-	ECl 4	633334	3500.01	close	26.20	27.00	1.202	-	-	-0.03	0.213	0.256
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECl 5	656000	3840	close	19.46	20.60	1.300	-	-	-0.13	0.646	0.840
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECl 5	656000	3840	close	19.42	20.60	1.312	-	-	-0.03	0.670	0.879
FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECl 5	656000	3840	close	19.19	20.60	1.384	-	-	0.01	0.604	0.836
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECl 5	656000	3840	close	19.46	20.60	1.300	-	-	-0.11	0.053	0.069
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECl 5	656000	3840	close	19.42	20.60	1.312	-	-	0.03	0.068	0.089
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 8	-	ECl 4	656000	3840	close	23.89	25.00	1.291	-	-	0.07	0.266	0.343
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	16mm	Ant 8	-	ECl 4	656000	3840	close	23.89	25.00	1.291	-	-	-0.18	0.066	0.085
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECl 5	633334	3500.01	close	19.68	20.60	1.236	-	-	0.03	0.554	0.685
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECl 5	633334	3500.01	close	19.60	20.60	1.259	-	-	-0.01	0.530	0.667
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECl 5	633334	3500.01	close	19.68	20.60	1.236	-	-	0.07	0.084	0.104
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECl 5	633334	3500.01	close	19.60	20.60	1.259	-	-	0.09	0.074	0.093
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	17mm	Ant 8	-	ECl 4	633334	3500.01	close	24.22	25.00	1.197	-	-	0.07	0.287	0.343
FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	16mm	Ant 8	-	ECl 4	633334	3500.01	close	24.22	25.00	1.197	-	-	-0.15	0.101	0.121



Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WLAN/BT																
1b 1Mbps	Front	5mm	Ant 5+7(7)	-	Standalone	6	2437	close	18.38	19.50	1.294	100	1.000	0.08	0.790	1.022
1b 1Mbps	Front	5mm	Ant 5+7(5)	-												1.208
1b 1Mbps	Front	5mm	Ant 5+7(5)	-	Standalone	1	2412	close	17.15	18.50	1.365	100	1.000	0.01	Standalone	11
1b 1Mbps	Back	5mm	Ant 5+7(7)	-	Standalone	6	2437	close	18.38	19.50	1.294	100	1.000	0.03	0.394	0.510
-HT40 MCS0	Front	5mm	Ant 5+7(7)	-	Standalone	6	2437	close	17.86	19.50	1.459	94.09	1.063	0.06	0.761	1.180
1b 1Mbps	Front	5mm	Ant 5+7(7)	-	WWAN+non DBS	6	2437	close	12.43	14.00	1.435	100	1.000	0.1	0.251	0.360
1b 1Mbps	Back	5mm	Ant 5+7(7)	-	WWAN+non DBS	6	2437	close	12.43	14.00	1.435	100	1.000	-0.18	0.125	0.179
1b 1Mbps	Front	5mm	Ant 5+7(5)	Headset	Standalone	11	2462	close	17.23	18.50	1.340	100	1.000	0.03	0.756	1.013
1b 1Mbps	Front	17mm	Ant 5+7(7)	-	Full Power	6	2437	close	23.13	25.00	1.538	100	1.000	0.06	0.387	0.595
1b 1Mbps	Back	16mm	Ant 5+7(7)	-	Full Power	6	2437	close	23.13	25.00	1.538	100	1.000	-0.09	0.183	0.281
1b 1Mbps	Front	5mm	Ant 7	-	DBS only	6	2437	close	15.43	17.00	1.435	100	1.000	0.07	0.505	0.725
1b 1Mbps	Back	5mm	Ant 7	-	DBS only	6	2437	close	15.43	17.00	1.435	100	1.000	0.03	0.252	0.362
1b 1Mbps	Front	5mm	Ant 7	-	WWAN+DBS	6	2437	close	9.45	11.00	1.429	100	1.000	0.05	0.125	0.179
1b 1Mbps	Back	5mm	Ant 7	-	WWAN+DBS	6	2437	close	9.45	11.00	1.429	100	1.000	0.01	0.062	0.089
1b 1Mbps	Front	17mm	Ant 7	-	Full Power	6	2437	close	23.13	25.00	1.538	100	1.000	0.13	0.326	0.501
1b 1Mbps	Back	16mm	Ant 7	-	Full Power	6	2437	close	23.13	25.00	1.538	100	1.000	0.12	0.205	0.315
Mbps	Front	5mm	Ant 7	-	Simultaneous	39	2441	close	12.30	13.50	1.318	76.64	1.087	-0.13	0.207	0.297
Mbps	Back	5mm	Ant 7	-	Simultaneous	39	2441	close	12.30	13.50	1.318	76.64	1.087	0.06	0.086	0.123
Mbps	Front	17mm	Ant 7	-	Full Power	39	2441	close	18.80	19.50	1.175	76.64	1.087	0.18	0.050	0.064
Mbps	Back	16mm	Ant 7	-	Full Power	39	2441	close	18.80	19.50	1.175	76.64	1.087	0.16	0.003	0.004
-HT40 MCS0	Front	5mm	Ant 5+7(5)	-	Standalone	54	5270	close	19.29	21.00	1.483	93.7	1.067	-0.01	0.495	0.783
-HT40 MCS0	Back	5mm	Ant 5+7(5)	-	Standalone	54	5270	close	19.29	21.00	1.483	93.7	1.067	0.1	0.181	0.286
-HT40 MCS0	Front	5mm	Ant 5+7(5)	-	WWAN+non DBS	54	5270	close	16.35	18.00	1.462	93.7	1.067	0.12	0.241	0.376
-HT40 MCS0	Back	5mm	Ant 5+7(5)	-	WWAN+non DBS	54	5270	close	16.35	18.00	1.462	93.7	1.067	0.08	0.088	0.137
-HT40 MCS0	Front	17mm	Ant 5+7(5)	-	Full Power	54	5270	close	19.29	21.00	1.483	93.7	1.067	0.07	0.118	0.187
-HT40 MCS0	Back	16mm	Ant 5+7(5)	-	Full Power	54	5270	close	19.29	21.00	1.483	93.7	1.067	0.18	0.055	0.087
-HT40 MCS0	Front	5mm	Ant 5	-	DBS only	54	5270	close	19.29	21.00	1.483	93.7	1.067	0.09	0.460	0.728
-HT40 MCS0	Back	5mm	Ant 5	-	DBS only	54	5270	close	19.29	21.00	1.483	93.7	1.067	0.05	0.168	0.266
-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN+DBS	58	5290	close	13.39	15.00	1.449	88.19	1.134	0.11	0.116	0.191
-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN+DBS	58	5290	close	13.39	15.00	1.449	88.19	1.134	-0.05	0.042	0.069
-HT40 MCS0	Front	17mm	Ant 5	-	Full Power	54	5270	close	19.29	21.00	1.483	93.7	1.067	0.01	0.106	0.168
-HT40 MCS0	Back	16mm	Ant 5	-	Full Power	54	5270	close	19.29	21.00	1.483	93.7	1.067	-0.15	0.058	0.092
-VHT80 MCS0	Front	5mm	Ant 5+7(5)	-	Standalone	138	5690	close	19.23	21.00	1.503	88.19	1.134	-0.01	0.649	1.106
-VHT80 MCS0	Front	5mm	Ant 5+7(5)	-	Standalone	122	5610	close	19.15	21.00	1.531	88.19	1.134	-0.17	0.590	1.024
-VHT80 MCS0	Back	5mm	Ant 5+7(5)	-	Standalone	138	5690	close	19.23	21.00	1.503	88.19	1.134	0.14	0.103	0.176
-VHT80 MCS0	Front	5mm	Ant 5+7(7)	-	WWAN+non DBS	138	5690	close	13.86	15.50	1.459	88.19	1.134	0.18	0.226	0.374
-VHT80 MCS0	Back	5mm	Ant 5+7(7)	-	WWAN+non DBS	138	5690	close	13.86	15.50	1.459	88.19	1.134	0.14	0.036	0.060
-VHT80 MCS0	Front	17mm	Ant 5+7(5)	-	Full Power	138	5690	close	19.23	21.00	1.503	88.19	1.134	0.07	0.114	0.194
-VHT80 MCS0	Back	16mm	Ant 5+7(5)	-	Full Power	138	5690	close	19.23	21.00	1.503	88.19	1.134	-0.18	0.062	0.106
-VHT80 MCS0	Front	5mm	Ant 5	-	DBS only	138	5690	close	17.46	19.00	1.426	88.19	1.134	-0.08	0.465	0.752
-VHT80 MCS0	Back	5mm	Ant 5	-	DBS only	138	5690	close	17.46	19.00	1.426	88.19	1.134	-0.17	0.074	0.120



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VHT80 MCS0	Front	5mm	Ant 5	-	WWAN+DBS	138	5690	close	11.43	13.00	1.435	88.19	1.134	-0.01	0.112	0.182
VHT80 MCS0	Back	5mm	Ant 5	-	WWAN+DBS	138	5690	close	11.43	13.00	1.435	88.19	1.134	-0.08	0.018	0.029
VHT80 MCS0	Front	17mm	Ant 5	-	Full Power	138	5690	close	19.23	21.00	1.503	88.19	1.134	-0.15	0.156	0.266
VHT80 MCS0	Back	16mm	Ant 5	-	Full Power	138	5690	close	19.23	21.00	1.503	88.19	1.134	-0.15	0.067	0.114
VHT80 MCS0	Front	5mm	Ant 5+7(7)	-	Standalone	155	5775	close	19.28	21.00	1.486	88.19	1.134	-0.05	0.702	1.183
VHT80 MCS0	Back	5mm	Ant 5+7(7)	-	Standalone	155	5775	close	19.28	21.00	1.486	88.19	1.134	0.01	0.180	0.303
VHT80 MCS0	Front	5mm	Ant 5+7(5)	-	WWAN+non DBS	155	5775	close	14.25	16.00	1.496	88.19	1.134	-0.05	0.214	0.363
VHT80 MCS0	Back	5mm	Ant 5+7(5)	-	WWAN+non DBS	155	5775	close	14.25	16.00	1.496	88.19	1.134	0.01	0.060	0.102
1a 6Mbps	Front	17mm	Ant 5+7(5)	-	Full Power	149	5745	close	21.24	23.00	1.500	96.97	1.031	-0.08	0.336	0.520
1a 6Mbps	Back	16mm	Ant 5+7(5)	-	Full Power	149	5745	close	21.24	23.00	1.500	96.97	1.031	-0.17	0.122	0.189
VHT80 MCS0	Front	5mm	Ant 5	-	DBS only	155	5775	close	17.34	19.00	1.466	88.19	1.134	-0.17	0.459	0.763
VHT80 MCS0	Back	5mm	Ant 5	-	DBS only	155	5775	close	17.34	19.00	1.466	88.19	1.134	0.04	0.118	0.196
VHT80 MCS0	Front	5mm	Ant 5	-	WWAN+DBS	155	5775	close	11.29	13.00	1.483	88.19	1.134	-0.17	0.112	0.188
VHT80 MCS0	Back	5mm	Ant 5	-	WWAN+DBS	155	5775	close	11.29	13.00	1.483	88.19	1.134	0.04	0.029	0.049
1a 6Mbps	Front	17mm	Ant 5	-	Full Power	165	5825	close	21.24	23.00	1.500	96.97	1.031	-0.04	0.257	0.397
1a 6Mbps	Back	16mm	Ant 5	-	Full Power	165	5825	close	21.24	23.00	1.500	96.97	1.031	-0.08	0.106	0.164



16.4 Product specific 10g SAR

< Flip Open >

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), EUT Flip State, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 10g SAR (W/kg), Reported 10g SAR (W/kg). Includes sub-sections for 750MHz, 835MHz, and 1750MHz.



	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	EI 6	132572	1770	open	19.31	20.60	1.346	-	-	-0.03	1.730	2.328
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	EI 6	132322	1745	open	19.32	20.60	1.343	-	-	-0.04	1.730	2.323
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	EI 6	132072	1720	open	19.20	20.60	1.380	-	-	-0.13	1.610	2.222
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	EI 6	132572	1770	open	19.27	20.60	1.358	-	-	-0.03	1.660	2.255
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	EI 6	132322	1745	open	19.26	20.60	1.361	-	-	-0.08	1.620	2.206
	LTE Band 66C	20M	QPSK	1	99	-	Top Side	0mm	Ant 3	EI 6	132322+132520	1745+1764.8	open	19.23	20.60	1.371	-	-	-0.09	1.750	2.399
	LTE Band 66	20M	QPSK	1	0	-	Front	13mm	Ant 3	EI 4	132322	1745	open	23.27	24.00	1.183	-	-	0.03	0.166	0.196
	LTE Band 66	20M	QPSK	1	0	-	Top Side	15mm	Ant 3	EI 4	132322	1745	open	23.27	24.00	1.183	-	-	0.18	0.251	0.297
	LTE Band 66	20M	QPSK	1	0	-	Left Side	0mm	Ant 0	EI 6	132322	1745	open	22.70	23.90	1.318	-	-	0.01	1.130	1.490
	LTE Band 66	20M	QPSK	50	0	-	Left Side	0mm	Ant 0	EI 6	132322	1745	open	21.85	23.00	1.303	-	-	-0.16	0.972	1.267
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	EI 6	132322	1745	open	22.70	23.90	1.318	-	-	0.1	2.210	2.913
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	EI 6	132072	1720	open	22.64	23.90	1.337	-	-	0.03	2.300	3.074
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	EI 6	132572	1770	open	22.66	23.90	1.330	-	-	0.01	2.370	3.153
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	EI 6	132322	1745	open	21.85	23.00	1.303	-	-	-0.04	1.760	2.294
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	EI 6	132072	1720	open	21.79	23.00	1.321	-	-	-0.11	1.730	2.286
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	EI 6	132572	1770	open	21.70	23.00	1.349	-	-	-0.15	1.670	2.253
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	EI 6	132322	1745	open	21.82	23.00	1.312	-	-	-0.01	1.600	2.100
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	EI 6	132572+132374	1770+1750.2	open	22.49	23.90	1.384	-	-	0.01	2.130	2.947
	LTE Band 66	20M	QPSK	1	0	-	Left Side	16mm	Ant 0	EI 4	132322	1745	open	23.37	24.00	1.156	-	-	-0.18	0.219	0.253
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	EI 4	132572	1770	open	23.24	24.00	1.191	-	-	0.03	0.231	0.275
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	EI 6	132322	1745	open	22.00	23.00	1.259	-	-	-0.05	2.010	2.530
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	EI 6	132072	1720	open	21.95	23.00	1.274	-	-	-0.08	2.060	2.623
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	EI 6	132572	1770	open	21.98	23.00	1.265	-	-	-0.08	2.220	2.808
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	EI 6	132322	1745	open	21.95	23.00	1.274	-	-	-0.13	1.980	2.522
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	EI 6	132072	1720	open	21.91	23.00	1.285	-	-	0.01	1.940	2.493
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	EI 6	132572	1770	open	21.93	23.00	1.279	-	-	-0.11	1.930	2.469
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 1	EI 6	132322	1745	open	21.92	23.00	1.282	-	-	0.03	1.880	2.411
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	EI 6	132322	1745	open	22.00	23.00	1.259	-	-	-0.05	1.940	2.442
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	EI 6	132072	1720	open	21.95	23.00	1.274	-	-	0.14	1.980	2.522
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	EI 6	132572	1770	open	21.98	23.00	1.265	-	-	-0.01	2.090	2.643
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	EI 6	132322	1745	open	21.95	23.00	1.274	-	-	-0.12	1.840	2.343
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	EI 6	132072	1720	open	21.91	23.00	1.285	-	-	0.07	1.880	2.416
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	EI 6	132572	1770	open	21.93	23.00	1.279	-	-	0.09	1.860	2.380
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 1	EI 6	132322	1745	open	21.92	23.00	1.282	-	-	0.04	1.840	2.359
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	EI 6	132322	1745	open	22.00	23.00	1.259	-	-	0.11	2.400	3.021
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	EI 6	132072	1720	open	21.95	23.00	1.274	-	-	-0.13	2.350	2.993
102	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	EI 6	132572	1770	open	21.98	23.00	1.265	-	-	0.12	2.500	3.162
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	EI 6	132322	1745	open	21.95	23.00	1.274	-	-	-0.11	2.290	2.916
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	EI 6	132072	1720	open	21.91	23.00	1.285	-	-	0.17	2.260	2.905
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	EI 6	132572	1770	open	21.93	23.00	1.279	-	-	-0.16	2.210	2.827
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	EI 6	132322	1745	open	21.92	23.00	1.282	-	-	-0.17	2.160	2.770
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	EI 6	132572+132374	1770+1750.2	open	21.85	23.00	1.303	-	-	0.12	2.240	2.919
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	EI 4	132572	1770	open	23.04	24.00	1.247	-	-	0.17	0.431	0.538
	LTE Band 66	20M	QPSK	1	0	-	Back	12mm	Ant 1	EI 4	132572	1770	open	23.04	24.00	1.247	-	-	0.18	0.292	0.364
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	13mm	Ant 1	EI 4	132572	1770	open	23.04	24.00	1.247	-	-	-0.04	0.384	0.479
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 2	EI 6	340500	1702.5	open	20.84	22.00	1.306	-	-	-0.05	1.870	2.443
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	0mm	Ant 2	EI 6	340500	1702.5	open	20.75	22.00	1.334	-	-	0.16	1.780	2.374
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	0mm	Ant 2	EI 6	340500	1702.5	open	20.66	22.00	1.361	-	-	-0.15	1.730	2.355
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	EI 6	340500	1702.5	open	20.84	22.00	1.306	-	-	-0.02	1.250	1.633
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	0mm	Ant 2	EI 6	340500	1702.5	open	20.75	22.00	1.334	-	-	-0.09	1.220	1.627
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 2	EI 6	340500	1702.5	open	20.84	22.00	1.306	-	-	0.1	1.510	1.972
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Left Side	0mm	Ant 2	EI 6	340500	1702.5	open	20.75	22.00	1.334	-	-	-0.09	1.480	1.974
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	16mm	Ant 2	EI 4	340500	1702.5	open	23.46	24.00	1.132	-	-	-0.17	0.031	0.035
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	EI 4	340500	1702.5	open	23.46	24.00	1.132	-	-	0.04	0.032	0.036
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Left Side	21mm	Ant 2	EI 4	340500	1702.5	open	23.39	24.00	1.151	-	-	-0.01	0.043	0.049
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	EI 6	340500	1702.5	open	21.98	23.00	1.265	-	-	-0.08	1.350	1.707
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	0mm	Ant 3	EI 6	340500	1702.5	open	21.93	23.00	1.279	-	-	0.16	1.210	1.548



Table with columns for test parameters (FR1 n70, FR1 n66), modulation (QPSK), power (15M, 40M), and SAR values (0.983, 0.937, 1.940, etc.).



FCC SAR Test Report

Report No. : FA422203

FR	Modulation	Power	Bandwidth	Channels	Frequency	Position	Antenna	Antenna Type	Antenna Gain	Freq	Power	Antenna	Antenna Type	Antenna Gain	Max	Min	Avg	Max	Min	Avg	
FR1 n66	QPSK	40M	15KHz	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	349000	1745	open	23.39	24.00	1.151	-	-	0.14	1.820	2.094	
FR1 n66	QPSK	40M	15KHz	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	349000	1745	open	23.30	24.00	1.175	-	-	-0.17	1.880	2.209
FR1 n66	QPSK	40M	15KHz	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	349000	1745	open	22.22	23.00	1.197	-	-	0.17	1.740	2.082
1900MHz																					
105	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 2	ECI 6	661	1880	open	25.40	26.00	1.148	-	-	-0.09	1.480	1.699
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 2	ECI 6	661	1880	open	25.40	26.00	1.148	-	-	0.12	1.160	1.332
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	0mm	Ant 2	ECI 6	661	1880	open	25.40	26.00	1.148	-	-	0.16	0.945	1.085
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	0mm	Ant 0	ECI 6	661	1880	open	24.04	25.00	1.247	-	-	0.03	0.685	0.854
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	ECI 6	9400	1880	open	20.77	21.80	1.268	-	-	0.03	1.950	2.472
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	ECI 6	9262	1852.4	open	20.74	21.80	1.276	-	-	-0.15	1.920	2.451
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 2	ECI 6	9538	1907.6	open	20.71	21.80	1.285	-	-	-0.15	1.890	2.429
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	ECI 6	9400	1880	open	20.77	21.80	1.268	-	-	0.11	1.660	2.104
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	ECI 6	9262	1852.4	open	20.74	21.80	1.276	-	-	-0.08	1.610	2.055
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 2	ECI 6	9538	1907.6	open	20.71	21.80	1.285	-	-	-0.17	1.570	2.018
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 2	ECI 6	9400	1880	open	20.77	21.80	1.268	-	-	-0.08	1.420	1.800
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	16mm	Ant 2	ECI 4	9400	1880	open	23.26	24.00	1.186	-	-	-0.07	0.131	0.155
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	ECI 4	9400	1880	open	23.26	24.00	1.186	-	-	0.05	0.137	0.162
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	21mm	Ant 2	ECI 4	9400	1880	open	23.26	24.00	1.186	-	-	-0.11	0.305	0.362
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 3	ECI 6	9400	1880	open	19.70	20.70	1.259	-	-	-0.16	1.620	2.039
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 3	ECI 6	9262	1852.4	open	19.62	20.70	1.282	-	-	-0.12	1.720	2.206
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 3	ECI 6	9538	1907.6	open	19.65	20.70	1.274	-	-	0.07	1.680	2.139
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	ECI 6	9400	1880	open	19.70	20.70	1.259	-	-	-0.02	1.350	1.700
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 3	ECI 6	9400	1880	open	19.70	20.70	1.259	-	-	-0.05	1.810	2.279
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 3	ECI 6	9262	1852.4	open	19.62	20.70	1.282	-	-	-0.13	1.810	2.321
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 3	ECI 6	9538	1907.6	open	19.65	20.70	1.274	-	-	0.08	1.830	2.331
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	ECI 6	9400	1880	open	19.70	20.70	1.259	-	-	0.16	1.880	2.367
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	ECI 6	9262	1852.4	open	19.62	20.70	1.282	-	-	0.01	1.890	2.424
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	ECI 6	9538	1907.6	open	19.65	20.70	1.274	-	-	-0.16	1.920	2.445
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	13mm	Ant 3	ECI 4	9262	1852.4	open	21.16	22.00	1.213	-	-	0.16	0.068	0.083
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 3	ECI 4	9400	1880	open	21.25	22.00	1.189	-	-	0.05	0.094	0.112
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	12mm	Ant 3	ECI 4	9538	1907.6	open	21.20	22.00	1.202	-	-	0.05	0.054	0.065
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	15mm	Ant 3	ECI 4	9538	1907.6	open	21.20	22.00	1.202	-	-	-0.03	0.071	0.085
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 4	9400	1880	open	22.30	23.00	1.175	-	-	-0.15	1.130	1.328
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9400	1880	open	22.30	23.00	1.175	-	-	-0.12	1.970	2.315
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9262	1852.4	open	22.15	23.00	1.216	-	-	-0.17	2.000	2.432
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9538	1907.6	open	22.23	23.00	1.194	-	-	0.08	1.940	2.316
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	0mm	Ant 0	ECI 6	9400	1880	open	22.30	23.00	1.175	-	-	0.01	0.778	0.914
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880	open	22.30	23.00	1.175	-	-	0.02	1.480	1.739
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	9400	1880	open	21.52	22.40	1.225	-	-	0.04	1.900	2.327
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	9262	1852.4	open	21.34	22.40	1.276	-	-	-0.05	1.980	2.527
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	9538	1907.6	open	21.40	22.40	1.259	-	-	-0.04	1.890	2.379
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9400	1880	open	21.52	22.40	1.225	-	-	0.14	2.380	2.915
106	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9262	1852.4	open	21.34	22.40	1.276	-	-	0.03	2.450	3.127
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9538	1907.6	open	21.40	22.40	1.259	-	-	0.16	2.370	2.984
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECI 6	9400	1880	open	21.52	22.40	1.225	-	-	0.01	2.140	2.621
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECI 6	9262	1852.4	open	21.34	22.40	1.276	-	-	-0.06	2.010	2.566
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECI 6	9538	1907.6	open	21.40	22.40	1.259	-	-	0.14	2.210	2.782
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	ECI 4	9262	1852.4	open	21.34	23.00	1.466	-	-	-0.13	0.091	0.133
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 1	ECI 4	9262	1852.4	open	21.34	23.00	1.466	-	-	-0.01	0.111	0.163
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	13mm	Ant 1	ECI 4	9538	1907.6	open	21.40	23.00	1.445	-	-	-0.09	0.181	0.262
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	26340	1880	open	18.90	20.20	1.349	-	-	0.16	1.810	2.442
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	26140	1860	open	18.88	20.20	1.355	-	-	0.05	1.830	2.480
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	26590	1905	open	18.85	20.20	1.365	-	-	0.05	1.780	2.429
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	26340	1880	open	18.88	20.20	1.355	-	-	-0.03	1.670	2.263
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	26140	1860	open	18.78	20.20	1.387	-	-	-0.15	1.690	2.344
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	26590	1905	open	18.74	20.20	1.400	-	-	0.02	1.660	2.323



	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 2	ECl 6	26340	1880	open	18.85	20.20	1.365	-	-	0.07	1.610	2.197
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECl 6	26340	1880	open	18.90	20.20	1.349	-	-	0.16	1.510	2.037
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECl 6	26140	1860	open	18.88	20.20	1.355	-	-	0.13	1.490	2.019
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECl 6	26590	1905	open	18.85	20.20	1.365	-	-	-0.18	1.460	1.992
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 2	ECl 6	26340	1880	open	18.88	20.20	1.355	-	-	0.02	1.460	1.979
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 2	ECl 6	26340	1880	open	18.85	20.20	1.365	-	-	0.07	1.160	1.583
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECl 6	26340	1880	open	18.90	20.20	1.349	-	-	0.01	1.200	1.619
	LTE Band 25	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECl 6	26340	1880	open	18.88	20.20	1.355	-	-	-0.06	0.936	1.268
	LTE Band 25	20M	QPSK	1	0	-	Front	16mm	Ant 2	ECl 4	26140	1860	open	23.43	24.00	1.140	-	-	0.03	0.507	0.578
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	ECl 4	26340	1880	open	23.49	24.00	1.125	-	-	-0.16	0.543	0.611
	LTE Band 25	20M	QPSK	1	0	-	Left Side	21mm	Ant 2	ECl 4	26340	1880	open	23.49	24.00	1.125	-	-	-0.02	0.613	0.689
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	26340	1880	open	20.76	21.80	1.271	-	-	-0.17	1.420	1.804
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 3	ECl 6	26340	1880	open	20.73	21.80	1.279	-	-	0.14	1.090	1.395
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 3	ECl 6	26340	1880	open	20.76	21.80	1.271	-	-	-0.06	1.170	1.487
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 3	ECl 6	26340	1880	open	20.73	21.80	1.279	-	-	0.05	0.928	1.187
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 3	ECl 6	26340	1880	open	20.76	21.80	1.271	-	-	0.16	1.450	1.842
	LTE Band 25	20M	QPSK	50	0	-	Left Side	0mm	Ant 3	ECl 6	26340	1880	open	20.73	21.80	1.279	-	-	-0.13	1.150	1.471
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	26340	1880	open	20.76	21.80	1.271	-	-	-0.14	1.820	2.312
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	26140	1860	open	20.71	21.80	1.285	-	-	-0.18	1.860	2.391
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	26590	1905	open	20.74	21.80	1.276	-	-	-0.06	1.910	2.438
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECl 6	26340	1880	open	20.73	21.80	1.279	-	-	0.02	1.830	2.341
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECl 6	26140	1860	open	20.67	21.80	1.297	-	-	0.16	1.810	2.348
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECl 6	26590	1905	open	20.63	21.80	1.309	-	-	0.01	1.780	2.330
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	ECl 6	26340	1880	open	20.72	21.80	1.282	-	-	-0.04	1.740	2.231
	LTE Band 25	20M	QPSK	1	0	-	Front	13mm	Ant 3	ECl 4	26340	1880	open	23.43	24.00	1.140	-	-	0.02	0.272	0.310
	LTE Band 25	20M	QPSK	1	0	-	Back	12mm	Ant 3	ECl 4	26340	1880	open	23.43	24.00	1.140	-	-	0.07	0.241	0.275
	LTE Band 25	20M	QPSK	1	0	-	Left Side	12mm	Ant 3	ECl 4	26340	1880	open	23.43	24.00	1.140	-	-	0.16	0.183	0.209
	LTE Band 25	20M	QPSK	1	0	-	Top Side	15mm	Ant 3	ECl 4	26590	1905	open	23.35	24.00	1.161	-	-	0.13	0.224	0.260
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECl 4	26340	1880	open	23.31	24.00	1.172	-	-	-0.03	1.850	2.169
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECl 4	26140	1860	open	23.28	24.00	1.180	-	-	0.17	1.790	2.113
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECl 4	26590	1905	open	23.26	24.00	1.186	-	-	0.02	1.790	2.123
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECl 4	26340	1880	open	22.37	23.00	1.156	-	-	0.01	1.510	1.746
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 0	ECl 4	26340	1880	open	22.29	23.00	1.178	-	-	-0.05	1.470	1.731
107	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECl 6	26340	1880	open	22.25	23.40	1.303	-	-	0.14	2.450	3.193
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECl 6	26140	1860	open	22.20	23.40	1.318	-	-	-0.04	2.300	3.032
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECl 6	26590	1905	open	22.18	23.40	1.324	-	-	-0.08	2.390	3.165
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECl 6	26340	1880	open	21.85	23.00	1.303	-	-	-0.17	1.860	2.424
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECl 6	26140	1860	open	21.83	23.00	1.309	-	-	-0.14	1.810	2.370
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECl 6	26590	1905	open	21.81	23.00	1.315	-	-	0.01	1.870	2.459
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 0	ECl 6	26340	1880	open	21.83	23.00	1.309	-	-	0.18	1.850	2.422
	LTE Band 25	20M	QPSK	1	0	-	Left Side	0mm	Ant 0	ECl 6	26340	1880	open	22.25	23.40	1.303	-	-	0.02	1.420	1.850
	LTE Band 25	20M	QPSK	50	0	-	Left Side	0mm	Ant 0	ECl 6	26340	1880	open	21.85	23.00	1.303	-	-	-0.02	1.110	1.447
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECl 6	26340	1880	open	22.25	23.40	1.303	-	-	-0.17	1.840	2.398
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECl 6	26140	1860	open	22.20	23.40	1.318	-	-	0.1	1.790	2.360
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECl 6	26590	1905	open	22.18	23.40	1.324	-	-	0.08	1.930	2.556
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECl 6	26340	1880	open	21.85	23.00	1.303	-	-	0.11	1.630	2.124
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECl 6	26140	1860	open	21.83	23.00	1.309	-	-	-0.13	1.540	2.016
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECl 6	26590	1905	open	21.81	23.00	1.315	-	-	-0.1	1.580	2.078
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	ECl 6	26340	1880	open	21.83	23.00	1.309	-	-	-0.07	1.450	1.898
	LTE Band 25	20M	QPSK	1	0	-	Back	13mm	Ant 0	ECl 4	26340	1880	open	23.31	24.00	1.172	-	-	-0.09	0.267	0.313
	LTE Band 25	20M	QPSK	1	0	-	Left Side	16mm	Ant 0	ECl 4	26340	1880	open	23.31	24.00	1.172	-	-	-0.17	0.136	0.159
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	ECl 4	26590	1905	open	23.26	24.00	1.186	-	-	-0.1	0.394	0.467
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	open	21.60	23.00	1.380	-	-	0.04	1.680	2.319
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26140	1860	open	21.55	23.00	1.396	-	-	0.15	1.750	2.444
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26590	1905	open	21.58	23.00	1.387	-	-	0.03	1.860	2.579
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	open	21.57	23.00	1.390	-	-	-0.1	1.710	2.377
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECl 6	26140	1860	open	21.43	23.00	1.435	-	-	0.14	1.670	2.397
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECl 6	26590	1905	open	21.52	23.00	1.406	-	-	-0.16	1.650	2.320



	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	open	21.53	23.00	1.403	-	-	-0.02	1.630	2.287
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	26340	1880	open	21.60	23.00	1.380	-	-	0.1	1.650	2.278
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	26140	1860	open	21.55	23.00	1.396	-	-	-0.1	1.620	2.262
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	26590	1905	open	21.58	23.00	1.387	-	-	-0.05	1.830	2.538
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECl 6	26340	1880	open	21.57	23.00	1.390	-	-	-0.04	1.540	2.141
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECl 6	26140	1860	open	21.43	23.00	1.435	-	-	0.01	1.510	2.168
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECl 6	26590	1905	open	21.52	23.00	1.406	-	-	-0.09	1.550	2.179
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 1	ECl 6	26340	1880	open	21.53	23.00	1.403	-	-	0.03	1.500	2.104
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	26340	1880	open	21.60	23.00	1.380	-	-	-0.11	2.270	3.133
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	26140	1860	open	21.55	23.00	1.396	-	-	-0.16	2.190	3.058
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	26590	1905	open	21.58	23.00	1.387	-	-	0.15	2.290	3.176
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	26340	1880	open	21.57	23.00	1.390	-	-	-0.15	1.920	2.669
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	26140	1860	open	21.43	23.00	1.435	-	-	0.06	1.950	2.799
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	26590	1905	open	21.52	23.00	1.406	-	-	0.15	1.900	2.671
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	ECl 6	26340	1880	open	21.53	23.00	1.403	-	-	-0.1	1.830	2.567
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 1	ECl 4	26590	1905	open	22.69	24.00	1.352	-	-	0.02	0.386	0.522
	LTE Band 25	20M	QPSK	1	0	-	Back	12mm	Ant 1	ECl 4	26590	1905	open	22.69	24.00	1.352	-	-	-0.13	0.426	0.576
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	13mm	Ant 1	ECl 4	26590	1905	open	22.69	24.00	1.352	-	-	0.17	0.306	0.414
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 2	ECl 6	376500	1882.5	open	20.01	21.10	1.285	-	-	0.02	1.900	2.442
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 2	ECl 6	376500	1882.5	open	20.00	21.10	1.288	-	-	-0.13	1.870	2.409
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 2	ECl 6	376500	1882.5	open	19.88	21.10	1.324	-	-	0.17	1.800	2.384
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	ECl 6	376500	1882.5	open	20.01	21.10	1.285	-	-	0.04	1.760	2.262
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 2	ECl 6	376500	1882.5	open	20.00	21.10	1.288	-	-	0.13	1.770	2.280
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 2	ECl 6	376500	1882.5	open	19.88	21.10	1.324	-	-	-0.04	1.680	2.225
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 2	ECl 6	376500	1882.5	open	20.01	21.10	1.285	-	-	-0.15	1.320	1.697
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	0mm	Ant 2	ECl 6	376500	1882.5	open	20.00	21.10	1.288	-	-	0.11	1.400	1.804
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	16mm	Ant 2	ECl 4	376500	1882.5	open	23.07	24.00	1.239	-	-	-0.09	0.254	0.315
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	15mm	Ant 2	ECl 4	376500	1882.5	open	23.01	24.00	1.256	-	-	0.11	0.244	0.306
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	21mm	Ant 2	ECl 4	376500	1882.5	open	23.01	24.00	1.256	-	-	-0.05	0.303	0.381
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	ECl 6	376500	1882.5	open	22.76	23.60	1.213	-	-	0.02	1.760	2.136
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 3	ECl 6	376500	1882.5	open	22.63	23.60	1.250	-	-	0.12	1.660	2.075
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 3	ECl 6	376500	1882.5	open	22.04	23.00	1.247	-	-	0.02	1.390	1.734
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 3	ECl 6	376500	1882.5	open	22.76	23.60	1.213	-	-	-0.03	1.750	2.123
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 3	ECl 6	376500	1882.5	open	22.63	23.60	1.250	-	-	-0.13	1.740	2.175
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 3	ECl 6	376500	1882.5	open	22.04	23.00	1.247	-	-	-0.1	1.480	1.846
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.76	23.60	1.213	-	-	0.05	1.710	2.075
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.63	23.60	1.250	-	-	0.01	1.670	2.088
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Left Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.04	23.00	1.247	-	-	0.07	1.320	1.647
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.76	23.60	1.213	-	-	0.15	2.030	2.463
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.63	23.60	1.250	-	-	-0.05	1.950	2.438
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.04	23.00	1.247	-	-	-0.08	1.600	1.996
	FR1 n25 other Path	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	376500	1882.5	open	22.76	23.60	1.213	-	-	-0.01	1.400	1.699
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	13mm	Ant 3	ECl 4	376500	1882.5	open	23.30	24.00	1.175	-	-	0.02	0.115	0.135
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	12mm	Ant 3	ECl 4	376500	1882.5	open	23.19	24.00	1.205	-	-	0.16	0.098	0.118
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	12mm	Ant 3	ECl 4	376500	1882.5	open	23.19	24.00	1.205	-	-	-0.03	0.031	0.037
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	15mm	Ant 3	ECl 4	376500	1882.5	open	23.30	24.00	1.175	-	-	0.07	0.101	0.119
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	376500	1882.5	open	23.36	24.00	1.159	-	-	0.11	1.740	2.016
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	376500	1882.5	open	23.32	24.00	1.169	-	-	0.07	1.680	1.965
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	376500	1882.5	open	22.19	23.00	1.205	-	-	-0.04	1.330	1.603
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	376500	1882.5	open	23.36	24.00	1.159	-	-	-0.18	2.320	2.688
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	376500	1882.5	open	23.32	24.00	1.169	-	-	-0.13	2.300	2.690
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	376500	1882.5	open	22.19	23.00	1.205	-	-	-0.13	1.760	2.121
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 0	ECl 6	376500	1882.5	open	23.36	24.00	1.159	-	-	0.01	1.390	1.611
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	0mm	Ant 0	ECl 6	376500	1882.5	open	23.32	24.00	1.169	-	-	-0.04	1.330	1.555
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	376500	1882.5	open	23.36	24.00	1.159	-	-	-0.09	2.280	2.642
108	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	376500	1882.5	open	23.32	24.00	1.169	-	-	0.05	2.330	2.725
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	376500	1882.5	open	22.19	23.00	1.205	-	-	0.13	1.760	2.121



2300MHz																					
	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 2	ECl 6	27710	2310	open	19.95	21.10	1.303	-	-	-0.05	1.810	2.359
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 2	ECl 6	27710	2310	open	19.93	21.10	1.309	-	-	0.01	1.750	2.291
	LTE Band 30	10M	QPSK	50	0	-	Front	0mm	Ant 2	ECl 6	27710	2310	open	19.87	21.10	1.327	-	-	0.1	1.700	2.257
	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 2	ECl 6	27710	2310	open	19.95	21.10	1.303	-	-	-0.17	1.610	2.098
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 2	ECl 6	27710	2310	open	19.93	21.10	1.309	-	-	0.04	1.530	2.003
	LTE Band 30	10M	QPSK	50	0	-	Back	0mm	Ant 2	ECl 6	27710	2310	open	19.87	21.10	1.327	-	-	-0.01	1.500	1.991
	LTE Band 30	10M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECl 6	27710	2310	open	19.95	21.10	1.303	-	-	-0.08	1.890	2.463
	LTE Band 30	10M	QPSK	25	0	-	Left Side	0mm	Ant 2	ECl 6	27710	2310	open	19.93	21.10	1.309	-	-	0.05	1.810	2.370
	LTE Band 30	10M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECl 6	27710	2310	open	19.87	21.10	1.327	-	-	0.06	1.710	2.270
	LTE Band 30	10M	QPSK	1	0	-	Front	16mm	Ant 2	ECl 4	27710	2310	open	23.64	24.00	1.086	-	-	0.06	0.366	0.398
	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 2	ECl 4	27710	2310	open	23.64	24.00	1.086	-	-	0.01	0.354	0.385
	LTE Band 30	10M	QPSK	1	0	-	Left Side	21mm	Ant 2	ECl 4	27710	2310	open	23.64	24.00	1.086	-	-	-0.04	0.293	0.318
	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	27710	2310	open	20.36	21.40	1.271	-	-	-0.17	1.270	1.614
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 3	ECl 6	27710	2310	open	20.33	21.40	1.279	-	-	-0.03	1.260	1.612
	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 3	ECl 6	27710	2310	open	20.36	21.40	1.271	-	-	0.11	0.967	1.229
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 3	ECl 6	27710	2310	open	20.33	21.40	1.279	-	-	-0.05	0.916	1.172
	LTE Band 30	10M	QPSK	1	0	-	Left Side	0mm	Ant 3	ECl 6	27710	2310	open	20.36	21.40	1.271	-	-	0.14	0.462	0.587
	LTE Band 30	10M	QPSK	25	0	-	Left Side	0mm	Ant 3	ECl 6	27710	2310	open	20.33	21.40	1.279	-	-	-0.17	0.421	0.539
	LTE Band 30	10M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	27710	2310	open	20.36	21.40	1.271	-	-	-0.05	1.940	2.465
	LTE Band 30	10M	QPSK	25	0	-	Top Side	0mm	Ant 3	ECl 6	27710	2310	open	20.33	21.40	1.279	-	-	0.01	1.920	2.456
	LTE Band 30	10M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECl 6	27710	2310	open	20.30	21.40	1.288	-	-	0.1	1.880	2.422
	LTE Band 30	10M	QPSK	1	0	-	Front	13mm	Ant 3	ECl 4	27710	2310	open	22.95	24.00	1.274	-	-	0.13	0.098	0.125
	LTE Band 30	10M	QPSK	1	0	-	Back	12mm	Ant 3	ECl 4	27710	2310	open	22.95	24.00	1.274	-	-	-0.18	0.111	0.141
	LTE Band 30	10M	QPSK	1	0	-	Left Side	12mm	Ant 3	ECl 4	27710	2310	open	22.95	24.00	1.274	-	-	-0.11	0.079	0.101
	LTE Band 30	10M	QPSK	1	0	-	Top Side	15mm	Ant 3	ECl 4	27710	2310	open	22.95	24.00	1.274	-	-	-0.16	0.120	0.153
	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 0	ECl 4	27710	2310	open	24.20	25.00	1.202	-	-	0.17	2.100	2.525
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 0	ECl 4	27710	2310	open	23.31	24.00	1.172	-	-	0.18	1.920	2.251
	LTE Band 30	10M	QPSK	50	0	-	Front	0mm	Ant 0	ECl 4	27710	2310	open	23.31	24.00	1.172	-	-	-0.04	1.850	2.169
109	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECl 6	27710	2310	open	21.99	23.00	1.262	-	-	-0.08	2.490	3.142
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECl 6	27710	2310	open	21.93	23.00	1.279	-	-	-0.13	2.380	3.045
	LTE Band 30	10M	QPSK	50	0	-	Back	0mm	Ant 0	ECl 6	27710	2310	open	21.86	23.00	1.300	-	-	-0.13	2.300	2.990
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECl 6	27710	2310	open	21.99	23.00	1.262	-	-	0.06	2.130	2.688
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	ECl 6	27710	2310	open	21.93	23.00	1.279	-	-	-0.03	2.040	2.610
	LTE Band 30	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECl 6	27710	2310	open	21.86	23.00	1.300	-	-	-0.03	1.960	2.548
	LTE Band 30	10M	QPSK	1	0	-	Back	13mm	Ant 0	ECl 4	27710	2310	open	24.20	25.00	1.202	-	-	0.06	0.148	0.178
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	ECl 4	27710	2310	open	24.20	25.00	1.202	-	-	0.02	0.343	0.412
	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	27710	2310	open	21.25	22.40	1.303	-	-	-0.03	1.460	1.903
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 1	ECl 6	27710	2310	open	21.22	22.40	1.312	-	-	0.14	1.170	1.535
	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	27710	2310	open	21.25	22.40	1.303	-	-	-0.05	1.460	1.903
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 1	ECl 6	27710	2310	open	21.22	22.40	1.312	-	-	0.18	1.170	1.535
	LTE Band 30	10M	QPSK	1	0	-	Right Side	0mm	Ant 1	ECl 6	27710	2310	open	21.25	22.40	1.303	-	-	-0.17	1.340	1.746
	LTE Band 30	10M	QPSK	25	0	-	Right Side	0mm	Ant 1	ECl 6	27710	2310	open	21.22	22.40	1.312	-	-	0.17	1.110	1.457
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	27710	2310	open	21.25	22.40	1.303	-	-	0.01	2.410	3.141
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 1	ECl 6	27710	2310	open	21.22	22.40	1.312	-	-	0.1	2.350	3.084
	LTE Band 30	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	27710	2310	open	21.19	22.40	1.321	-	-	-0.17	2.210	2.920
	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 1	ECl 4	27710	2310	open	23.31	24.00	1.172	-	-	-0.02	0.165	0.193
	LTE Band 30	10M	QPSK	1	0	-	Back	12mm	Ant 1	ECl 4	27710	2310	open	23.31	24.00	1.172	-	-	-0.05	0.167	0.196
	LTE Band 30	10M	QPSK	1	0	-	Right Side	8mm	Ant 1	ECl 4	27710	2310	open	23.31	24.00	1.172	-	-	-0.13	0.284	0.333
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	13mm	Ant 1	ECl 4	27710	2310	open	23.31	24.00	1.172	-	-	0.08	0.201	0.236
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 2	ECl 6	462000	2310	open	21.42	22.50	1.282	-	-	-0.1	1.940	2.488
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 2	ECl 6	462000	2310	open	21.37	22.50	1.297	-	-	0.01	1.830	2.374
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	0mm	Ant 2	ECl 6	462000	2310	open	21.17	22.50	1.358	-	-	-0.15	1.780	2.418
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 2	ECl 6	462000	2310	open	21.42	22.50	1.282	-	-	0.19	1.710	2.193
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 2	ECl 6	462000	2310	open	21.37	22.50	1.297	-	-	0.07	1.560	2.024
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	0mm	Ant 2	ECl 6	462000	2310	open	21.17	22.50	1.358	-	-	-0.18	1.540	2.092
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 2	ECl 6	462000	2310	open	21.42	22.50	1.282	-	-	0.03	0.897	1.150



	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Left Side	0mm	Ant 2	ECl 6	462000	2310	open	21.37	22.50	1.297	-	-	-0.15	0.817	1.060
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	16mm	Ant 2	ECl 4	462000	2310	open	23.03	24.00	1.250	-	-	0.11	0.226	0.283
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 2	ECl 4	462000	2310	open	23.03	24.00	1.250	-	-	-0.02	0.209	0.261
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Left Side	21mm	Ant 2	ECl 4	462000	2310	open	23.03	24.00	1.250	-	-	0.1	0.193	0.241
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 3	ECl 6	462000	2310	open	21.07	21.90	1.211	-	-	0.18	1.520	1.840
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 3	ECl 6	462000	2310	open	21.02	21.90	1.225	-	-	0.16	1.390	1.702
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 3	ECl 6	462000	2310	open	21.07	21.90	1.211	-	-	0.07	1.200	1.453
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 3	ECl 6	462000	2310	open	21.02	21.90	1.225	-	-	0.18	1.140	1.396
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	462000	2310	open	21.07	21.90	1.211	-	-	0.01	2.030	2.458
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	462000	2310	open	21.02	21.90	1.225	-	-	-0.15	1.960	2.400
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	462000	2310	open	20.85	21.90	1.274	-	-	0.19	1.840	2.343
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	13mm	Ant 3	ECl 4	462000	2310	open	23.63	24.00	1.089	-	-	-0.06	0.151	0.164
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 3	ECl 4	462000	2310	open	23.63	24.00	1.089	-	-	-0.14	0.253	0.275
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Top Side	15mm	Ant 3	ECl 4	462000	2310	open	23.63	24.00	1.089	-	-	-0.19	0.191	0.208
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	462000	2310	open	23.49	24.00	1.125	-	-	0.11	1.840	2.069
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	462000	2310	open	23.41	24.00	1.146	-	-	-0.05	1.800	2.062
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	462000	2310	open	22.35	23.00	1.161	-	-	-0.08	1.450	1.684
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	462000	2310	open	23.49	24.00	1.125	-	-	0.16	1.820	2.047
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	462000	2310	open	23.41	24.00	1.146	-	-	0.05	1.730	1.982
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	462000	2310	open	22.35	23.00	1.161	-	-	0.05	1.430	1.661
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	462000	2310	open	23.49	24.00	1.125	-	-	-0.03	1.800	2.024
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	462000	2310	open	23.41	24.00	1.146	-	-	-0.15	1.730	1.982
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	462000	2310	open	22.35	23.00	1.161	-	-	0.02	1.310	1.521
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	462000	2310	open	22.45	23.40	1.245	-	-	0.16	1.350	1.680
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	462000	2310	open	22.40	23.40	1.259	-	-	-0.1	1.300	1.637
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	462000	2310	open	22.45	23.40	1.245	-	-	0.18	1.410	1.755
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	462000	2310	open	22.40	23.40	1.259	-	-	-0.1	1.310	1.649
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Right Side	0mm	Ant 1	ECl 6	462000	2310	open	22.45	23.40	1.245	-	-	-0.15	1.340	1.668
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Right Side	0mm	Ant 1	ECl 6	462000	2310	open	22.40	23.40	1.259	-	-	0.19	1.260	1.586
110	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	462000	2310	open	22.45	23.40	1.245	-	-	-0.18	2.540	3.161
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	462000	2310	open	22.40	23.40	1.259	-	-	0.03	2.340	2.946
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	462000	2310	open	21.84	23.00	1.306	-	-	-0.15	2.280	2.978
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	ECl 4	462000	2310	open	23.04	24.00	1.247	-	-	0.01	0.132	0.165
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 1	ECl 4	462000	2310	open	23.04	24.00	1.247	-	-	-0.16	0.102	0.127
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Right Side	8mm	Ant 1	ECl 4	462000	2310	open	23.04	24.00	1.247	-	-	0.1	0.091	0.114
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	13mm	Ant 1	ECl 4	462000	2310	open	23.04	24.00	1.247	-	-	-0.04	0.192	0.239
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECl 6	21100	2535	open	20.12	21.20	1.282	-	-	-0.16	1.650	2.116
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECl 6	20850	2510	open	20.10	21.20	1.288	-	-	-0.02	1.580	2.035
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECl 6	21350	2560	open	20.08	21.20	1.294	-	-	0.15	1.660	2.148
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECl 6	21100	2535	open	20.10	21.20	1.288	-	-	-0.09	1.450	1.868
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 2	ECl 6	21100	2535	open	20.08	21.20	1.294	-	-	-0.08	0.967	1.251
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECl 6	21100	2535	open	20.12	21.20	1.282	-	-	0.16	1.250	1.603
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 2	ECl 6	21100	2535	open	20.10	21.20	1.288	-	-	-0.03	0.970	1.250
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECl 6	21100	2535	open	20.12	21.20	1.282	-	-	0.16	1.920	2.462
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECl 6	20850	2510	open	20.10	21.20	1.288	-	-	0.13	1.820	2.345
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECl 6	21350	2560	open	20.08	21.20	1.294	-	-	-0.18	1.800	2.330
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECl 6	21100	2535	open	20.10	21.20	1.288	-	-	0.02	1.760	2.267
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECl 6	20850	2510	open	20.06	21.20	1.300	-	-	0.16	1.780	2.314
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECl 6	21350	2560	open	19.98	21.20	1.324	-	-	-0.03	1.740	2.304
	LTE Band 7	20M	QPSK	100	0	-	Left Side	0mm	Ant 2	ECl 6	21100	2535	open	20.08	21.20	1.294	-	-	0.07	1.710	2.213
	LTE Band 7C	20M	QPSK	1	99	-	Left Side	0mm	Ant 2	ECl 6	21100+21298	2535+2554.8	open	20.01	21.20	1.315	-	-	0.16	1.790	2.354
	LTE Band 7	20M	QPSK	1	0	-	Front	16mm	Ant 2	ECl 4	21350	2560	open	24.21	25.00	1.199	-	-	-0.01	0.269	0.323
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	ECl 4	21100	2535	open	24.22	25.00	1.197	-	-	0.06	0.301	0.360
	LTE Band 7	20M	QPSK	1	0	-	Left Side	21mm	Ant 2	ECl 4	21100	2535	open	24.22	25.00	1.197	-	-	-0.11	0.291	0.348
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	21100	2535	open	18.70	19.90	1.318	-	-	-0.04	0.977	1.288
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 3	ECl 6	21100	2535	open	18.66	19.90	1.330	-	-	-0.13	0.878	1.168



Table with columns: Band, Power, Modulation, M, F, P, Location, Distance, Antenna, EIRP, Frequency, Power Density, SAR, etc. Row 111 is highlighted in yellow.



	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	39750	2506	open	21.60	23.00	1.380	62.9	1.006	0.01	1.700	2.361
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	40185	2549.5	open	21.63	23.00	1.371	62.9	1.006	0.03	1.690	2.331
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	41055	2636.5	open	21.58	23.00	1.387	62.9	1.006	-0.08	1.620	2.260
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	ECI 6	41490	2680	open	21.56	23.00	1.393	62.9	1.006	-0.08	1.650	2.313
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	40620	2593	open	21.62	23.00	1.374	62.9	1.006	0.1	1.600	2.212
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	39750	2506	open	21.46	23.00	1.426	62.9	1.006	-0.18	1.580	2.266
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	40185	2549.5	open	21.53	23.00	1.403	62.9	1.006	0.1	1.570	2.216
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	41055	2636.5	open	21.47	23.00	1.422	62.9	1.006	0.12	1.530	2.189
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 2	ECI 6	41490	2680	open	21.53	23.00	1.403	62.9	1.006	0.08	1.540	2.173
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 2	ECI 6	40620	2593	open	21.57	23.00	1.390	62.9	1.006	-0.17	1.500	2.097
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 6	40620	2593	open	21.65	23.00	1.365	62.9	1.006	-0.03	1.330	1.826
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 6	39750	2506	open	21.60	23.00	1.380	62.9	1.006	0.14	1.270	1.764
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 6	40185	2549.5	open	21.63	23.00	1.371	62.9	1.006	0.11	1.210	1.669
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 6	41055	2636.5	open	21.58	23.00	1.387	62.9	1.006	-0.05	1.280	1.786
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 6	41490	2680	open	21.56	23.00	1.393	62.9	1.006	0.18	1.380	1.934
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	ECI 6	40620	2593	open	21.62	23.00	1.374	62.9	1.006	0.14	1.050	1.451
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 2	ECI 6	40620	2593	open	21.57	23.00	1.390	62.9	1.006	0.1	1.010	1.412
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	40620	2593	open	21.65	23.00	1.365	62.9	1.006	-0.17	1.740	2.389
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	39750	2506	open	21.60	23.00	1.380	62.9	1.006	0.04	1.660	2.305
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	40185	2549.5	open	21.63	23.00	1.371	62.9	1.006	-0.01	1.800	2.482
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	41055	2636.5	open	21.58	23.00	1.387	62.9	1.006	-0.08	1.680	2.344
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	41490	2680	open	21.56	23.00	1.393	62.9	1.006	0.05	1.660	2.327
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	40620	2593	open	21.62	23.00	1.374	62.9	1.006	0.06	1.590	2.198
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	39750	2506	open	21.46	23.00	1.426	62.9	1.006	-0.09	1.540	2.209
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	40185	2549.5	open	21.53	23.00	1.403	62.9	1.006	-0.08	1.550	2.187
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	41055	2636.5	open	21.47	23.00	1.422	62.9	1.006	0.13	1.520	2.175
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	41490	2680	open	21.53	23.00	1.403	62.9	1.006	0.12	1.500	2.117
	LTE Band 41	20M	QPSK	100	0	-	Left Side	0mm	Ant 2	ECI 6	40620	2593	open	21.57	23.00	1.390	62.9	1.006	0.03	1.480	2.069
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	40185	2549.5	open	23.95	24.60	1.161	42.9	1.009	0.18	1.960	2.297
	LTE Band 41C	20M	QPSK	1	99	-	Left Side	0mm	Ant 2	ECI 6	40185+ 40383	2549.5+ 2569.3	open	21.51	23.00	1.409	62.9	1.006	-0.01	1.620	2.297
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Left Side	0mm	Ant 2	ECI 6	40185+ 40383	2549.5+ 2569.3	open	23.75	24.60	1.216	42.9	1.009	0.18	1.760	2.160
	LTE Band 41	20M	QPSK	1	0	-	Front	16mm	Ant 2	ECI 4	40620	2593	open	24.22	25.00	1.197	62.9	1.006	-0.15	0.153	0.184
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	ECI 4	41490	2680	open	24.13	25.00	1.222	62.9	1.006	0.03	0.177	0.218
	LTE Band 41	20M	QPSK	1	0	-	Left Side	21mm	Ant 2	ECI 4	40185	2549.5	open	24.20	25.00	1.202	62.9	1.006	-0.13	0.193	0.233
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	16mm	Ant 2	ECI 4	40620	2593	open	26.62	28.00	1.374	42.9	1.009	-0.15	0.182	0.252
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	15mm	Ant 2	ECI 4	41490	2680	open	26.50	28.00	1.413	42.9	1.009	0.03	0.207	0.295
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Left Side	21mm	Ant 2	ECI 4	40185	2549.5	open	26.51	28.00	1.409	42.9	1.009	-0.13	0.231	0.328
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECI 6	40620	2593	open	20.66	22.20	1.426	62.9	1.006	-0.06	0.866	1.242
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 3	ECI 6	40620	2593	open	20.60	22.20	1.445	62.9	1.006	0.03	0.690	1.003
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 3	ECI 6	40620	2593	open	20.66	22.20	1.426	62.9	1.006	0.05	0.694	0.995
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 3	ECI 6	40620	2593	open	20.60	22.20	1.445	62.9	1.006	0.05	0.543	0.790
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECI 6	40620	2593	open	20.66	22.20	1.426	62.9	1.006	-0.13	1.750	2.510
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECI 6	39750	2506	open	20.60	22.20	1.445	62.9	1.006	-0.01	1.640	2.385
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECI 6	40185	2549.5	open	20.63	22.20	1.435	62.9	1.006	-0.11	1.720	2.484
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECI 6	41055	2636.5	open	20.64	22.20	1.432	62.9	1.006	0.19	1.660	2.392
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECI 6	41490	2680	open	20.62	22.20	1.439	62.9	1.006	-0.14	1.680	2.432
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECI 6	40620	2593	open	20.60	22.20	1.445	62.9	1.006	-0.18	1.530	2.225
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECI 6	39750	2506	open	20.47	22.20	1.489	62.9	1.006	-0.06	1.580	2.367
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECI 6	40185	2549.5	open	20.57	22.20	1.455	62.9	1.006	0.02	1.560	2.284
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECI 6	41055	2636.5	open	20.59	22.20	1.449	62.9	1.006	0.16	1.520	2.215
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECI 6	41490	2680	open	20.52	22.20	1.472	62.9	1.006	0.01	1.480	2.192
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	ECI 6	40620	2593	open	20.58	22.20	1.452	62.9	1.006	-0.04	1.430	2.089
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECI 6	40620	2593	open	22.96	23.80	1.213	42.9	1.009	-0.09	1.920	2.351
	LTE Band 41C	20M	QPSK	1	99	-	Top Side	0mm	Ant 3	ECI 6	40620+ 40818	2593+ 2612.8	open	20.51	22.20	1.476	62.9	1.006	-0.13	1.590	2.360
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Top Side	0mm	Ant 3	ECI 6	40620+ 40818	2593+ 2612.8	open	22.81	23.80	1.256	42.9	1.009	-0.09	1.780	2.256
	LTE Band 41	20M	QPSK	1	0	-	Front	13mm	Ant 3	ECI 4	40620	2593	open	23.11	24.00	1.227	62.9	1.006	-0.08	0.113	0.140
	LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 3	ECI 4	40620	2593	open	23.11	24.00	1.227	62.9	1.006	-0.1	0.145	0.179



Table with columns for Band, Power, Modulation, etc. Row 112 is highlighted in yellow.



FCC SAR Test Report

Report No. : FA422203

	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	507000	2535	open	18.12	19.30	1.312	-	-	-0.08	1.800	2.362
	FR1 n7 other Path	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 3	ECl 6	507000	2535	open	18.19	19.30	1.291	-	-	0.04	1.400	1.808
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	13mm	Ant 3	ECl 4	507000	2535	open	23.49	24.00	1.125	-	-	-0.06	0.211	0.237
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	12mm	Ant 3	ECl 4	507000	2535	open	23.49	24.00	1.125	-	-	-0.17	0.272	0.306
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	12mm	Ant 3	ECl 4	507000	2535	open	23.49	24.00	1.125	-	-	-0.01	0.117	0.132
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	15mm	Ant 3	ECl 4	507000	2535	open	23.49	24.00	1.125	-	-	-0.11	0.334	0.376
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	507000	2535	open	23.32	24.00	1.169	-	-	0.04	1.250	1.462
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECl 4	507000	2535	open	23.28	24.00	1.180	-	-	0.04	1.210	1.428
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	507000	2535	open	23.32	24.00	1.169	-	-	0.07	1.700	1.988
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 0	ECl 6	507000	2535	open	23.28	24.00	1.180	-	-	0.13	1.680	1.983
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 0	ECl 6	507000	2535	open	23.32	24.00	1.169	-	-	-0.15	0.975	1.140
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	0mm	Ant 0	ECl 6	507000	2535	open	23.28	24.00	1.180	-	-	-0.04	0.925	1.092
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	507000	2535	open	23.32	24.00	1.169	-	-	0.08	1.830	2.140
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	507000	2535	open	23.28	24.00	1.180	-	-	0.16	1.890	2.231
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECl 6	507000	2535	open	22.20	23.00	1.202	-	-	0.01	1.800	2.164
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	507000	2535	open	22.88	24.00	1.294	-	-	-0.03	1.070	1.385
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	507000	2535	open	22.81	24.00	1.315	-	-	-0.04	1.040	1.368
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	507000	2535	open	22.88	24.00	1.294	-	-	-0.09	1.280	1.657
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	507000	2535	open	22.81	24.00	1.315	-	-	0.18	1.380	1.815
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	0mm	Ant 1	ECl 6	507000	2535	open	22.88	24.00	1.294	-	-	0.11	0.646	0.836
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	0mm	Ant 1	ECl 6	507000	2535	open	22.81	24.00	1.315	-	-	0.07	0.683	0.898
113	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	open	22.88	24.00	1.294	-	-	-0.03	2.120	2.744
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	open	22.81	24.00	1.315	-	-	0.09	1.990	2.617
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	open	21.66	23.00	1.361	-	-	-0.08	1.720	2.342
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 2	ECl 6	518598	2592.99	open	20.73	21.60	1.222	-	-	-0.07	1.780	2.175
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 2	ECl 6	518598	2592.99	open	20.59	21.60	1.262	-	-	0.05	1.610	2.032
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 2	ECl 6	518598	2592.99	open	20.65	21.60	1.245	-	-	-0.11	1.680	2.091
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	ECl 6	518598	2592.99	open	20.73	21.60	1.222	-	-	-0.12	1.300	1.588
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECl 6	518598	2592.99	open	20.59	21.60	1.262	-	-	0.03	1.150	1.451
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 6	518598	2592.99	open	20.73	21.60	1.222	-	-	-0.02	1.840	2.248
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 6	518598	2592.99	open	20.59	21.60	1.262	-	-	0.15	1.940	2.448
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 6	518598	2592.99	open	20.65	21.60	1.245	-	-	-0.09	1.890	2.352
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	16mm	Ant 2	ECl 4	518598	2592.99	open	26.35	27.00	1.161	-	-	0.1	0.188	0.218
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 2	ECl 4	518598	2592.99	open	26.35	27.00	1.161	-	-	-0.09	0.201	0.233
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	21mm	Ant 2	ECl 4	518598	2592.99	open	26.21	27.00	1.199	-	-	0.07	0.253	0.303
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	518598	2592.99	open	19.21	20.10	1.227	-	-	0.04	2.000	2.455
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	518598	2592.99	open	19.09	20.10	1.262	-	-	0.11	1.910	2.410
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	518598	2592.99	open	19.08	20.10	1.265	-	-	-0.13	1.850	2.340
	FR1 n41 HPUE other Path	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	518598	2592.99	open	19.44	20.40	1.247	-	-	0.03	1.980	2.470
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	15mm	Ant 3	ECl 4	518598	2592.99	open	24.32	25.00	1.169	-	-	0.03	0.259	0.303
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	ECl 4	518598	2592.99	open	24.99	26.00	1.262	-	-	0.12	1.180	1.489
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	ECl 4	518598	2592.99	open	24.87	26.00	1.297	-	-	-0.09	1.120	1.453
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	open	24.99	26.00	1.262	-	-	0.07	1.650	2.082
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	open	24.87	26.00	1.297	-	-	-0.04	1.570	2.037
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	open	23.79	25.00	1.321	-	-	-0.04	1.500	1.982
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 0	ECl 6	518598	2592.99	open	24.99	26.00	1.262	-	-	0.13	1.020	1.287
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 0	ECl 6	518598	2592.99	open	24.87	26.00	1.297	-	-	-0.03	0.968	1.256
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECl 6	518598	2592.99	open	24.99	26.00	1.262	-	-	0.03	2.220	2.801
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECl 6	518598	2592.99	open	24.87	26.00	1.297	-	-	-0.13	2.080	2.698
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECl 6	518598	2592.99	open	23.79	25.00	1.321	-	-	0.03	1.850	2.444
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 1	ECl 6	518598	2592.99	open	22.84	24.00	1.306	-	-	0.02	1.750	2.286
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 1	ECl 6	518598	2592.99	open	22.80	24.00	1.318	-	-	0.16	1.810	2.386
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 1	ECl 6	518598	2592.99	open	22.76	24.00	1.330	-	-	0.18	1.470	1.956
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	ECl 6	518598	2592.99	open	22.84	24.00	1.306	-	-	-0.11	1.810	2.364
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECl 6	518598	2592.99	open	22.80	24.00	1.318	-	-	-0.05	1.840	2.426
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 1	ECl 6	518598	2592.99	open	22.76	24.00	1.330	-	-	-0.04	1.400	1.863
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 1	ECl 6	518598	2592.99	open	22.84	24.00	1.306	-	-	-0.08	0.813	1.062



FCC SAR Test Report

Report No. : FA422203

	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 1	ECl 6	518598	2592.99	open	22.80	24.00	1.318	-	-	0.02	0.935	1.233
114	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	518598	2592.99	open	22.84	24.00	1.306	-	-	-0.14	2.400	3.135
	FR1 n41 HPUE	100M	QPSK	180	93	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	514602+ 528546	2573.01+ 2642.73	open	22.76	24.00	1.330	-	-	-0.1	2.030	2.701
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	518598	2592.99	open	22.80	24.00	1.318	-	-	0.01	2.220	2.927
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	518598	2592.99	open	22.76	24.00	1.330	-	-	0.18	1.750	2.328
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	ECl 4	518598	2592.99	open	24.64	26.00	1.368			0.16	0.284	0.388
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	12mm	Ant 1	ECl 4	518598	2592.99	open	24.64	26.00	1.368			-0.05	0.266	0.364
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	8mm	Ant 1	ECl 4	518598	2592.99	open	24.64	26.00	1.368			0.02	0.379	0.518
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	13mm	Ant 1	ECl 4	518598	2592.99	open	24.76	26.00	1.330			-0.14	0.165	0.220
3500-3900MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECl 6	55830	3609	open	17.65	18.80	1.303	62.9	1.006	-0.12	0.769	1.008
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECl 6	55830	3609	open	17.62	18.80	1.312	62.9	1.006	0.1	0.720	0.950
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECl 6	55830	3609	open	17.65	18.80	1.303	62.9	1.006	0.04	0.438	0.574
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECl 6	55830	3609	open	17.62	18.80	1.312	62.9	1.006	-0.05	0.367	0.484
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECl 6	55830	3609	open	17.65	18.80	1.303	62.9	1.006	-0.04	1.900	2.491
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECl 6	55340	3560	open	17.60	18.80	1.318	62.9	1.006	0.14	1.810	2.400
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECl 6	56150	3641	open	17.58	18.80	1.324	62.9	1.006	0.03	1.750	2.332
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECl 6	56640	3690	open	17.56	18.80	1.330	62.9	1.006	0.16	1.770	2.369
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECl 6	55830	3609	open	17.62	18.80	1.312	62.9	1.006	0.01	1.590	2.099
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECl 6	55340	3560	open	17.46	18.80	1.361	62.9	1.006	-0.06	1.530	2.096
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECl 6	56150	3641	open	17.51	18.80	1.346	62.9	1.006	0.14	1.530	2.072
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECl 6	56640	3690	open	17.51	18.80	1.346	62.9	1.006	-0.09	1.480	2.004
	LTE Band 48	20M	QPSK	100	0	-	Left Side	0mm	Ant 4	ECl 6	55830	3609	open	17.58	18.80	1.324	62.9	1.006	-0.09	1.590	2.118
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 4	55830	3609	open	23.73	24.00	1.064	62.9	1.006	-0.12	0.163	0.174
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECl 4	55830	3609	open	22.77	23.00	1.054	62.9	1.006	-0.06	0.133	0.141
	LTE Band 48C	20M	QPSK	1	99	-	Left Side	0mm	Ant 4	ECl 6	55830+ 56028	3609+ 3628.8	open	17.52	18.80	1.343	62.9	1.006	-0.04	1.770	2.391
	LTE Band 48	20M	QPSK	1	0	-	Front	16mm	Ant 4	ECl 4	55830	3609	open	23.73	24.00	1.064	62.9	1.006	0.07	0.198	0.212
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 4	ECl 4	55830	3609	open	23.73	24.00	1.064	62.9	1.006	-0.12	0.115	0.123
	LTE Band 48	20M	QPSK	1	0	-	Left Side	21mm	Ant 4	ECl 4	55830	3609	open	23.73	24.00	1.064	62.9	1.006	-0.03	0.259	0.277
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 6	ECl 6	55830	3609	open	21.35	22.50	1.303	62.9	1.006	0.01	1.470	1.927
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 6	ECl 6	55340	3560	open	21.26	22.50	1.330	62.9	1.006	-0.03	1.410	1.887
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 6	ECl 6	56150	3641	open	21.28	22.50	1.324	62.9	1.006	0.03	1.490	1.985
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 6	ECl 6	56640	3690	open	21.32	22.50	1.312	62.9	1.006	-0.17	1.570	2.073
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 6	ECl 6	55830	3609	open	21.30	22.50	1.318	62.9	1.006	0.02	1.120	1.485
	LTE Band 48	20M	QPSK	100	0	-	Front	0mm	Ant 6	ECl 6	55830	3609	open	21.29	22.50	1.321	62.9	1.006	0.19	1.120	1.489
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 6	ECl 6	55830	3609	open	21.35	22.50	1.303	62.9	1.006	0.13	0.894	1.172
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 6	ECl 6	55830	3609	open	21.30	22.50	1.318	62.9	1.006	-0.09	0.713	0.946
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 6	ECl 6	55830	3609	open	21.35	22.50	1.303	62.9	1.006	0.07	1.670	2.189
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 6	ECl 6	55340	3560	open	21.26	22.50	1.330	62.9	1.006	-0.18	1.690	2.262
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 6	ECl 6	56150	3641	open	21.28	22.50	1.324	62.9	1.006	-0.06	1.780	2.371
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 6	ECl 6	56640	3690	open	21.32	22.50	1.312	62.9	1.006	0.07	1.890	2.495
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 6	ECl 6	55830	3609	open	21.30	22.50	1.318	62.9	1.006	-0.15	1.490	1.976
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 6	ECl 6	55340	3560	open	21.20	22.50	1.349	62.9	1.006	-0.15	1.410	1.913
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 6	ECl 6	56150	3641	open	21.24	22.50	1.337	62.9	1.006	-0.08	1.450	1.950
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 6	ECl 6	56640	3690	open	21.26	22.50	1.330	62.9	1.006	-0.04	1.580	2.115
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant 6	ECl 6	55830	3609	open	21.29	22.50	1.321	62.9	1.006	0.02	1.350	1.794
	LTE Band 48	20M	QPSK	1	0	-	Front	16mm	Ant 6	ECl 4	56640	3690	open	23.30	24.00	1.175	62.9	1.006	-0.08	0.098	0.116
	LTE Band 48	20M	QPSK	1	0	-	Back	13mm	Ant 6	ECl 4	55830	3609	open	23.36	24.00	1.159	62.9	1.006	-0.13	0.125	0.146
	LTE Band 48	20M	QPSK	1	0	-	Top Side	9mm	Ant 6	ECl 4	56640	3690	open	23.30	24.00	1.175	62.9	1.006	0.01	0.289	0.342
	LTE Band 48C	20M	QPSK	1	0	-	Top Side	0mm	Ant 6	ECl 6	56640+ 56442	3690+ 3670.2	open	21.20	22.50	1.349	62.9	1.006	0.07	1.710	2.321
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	55830	3609	open	22.70	23.70	1.259	62.9	1.006	-0.16	1.290	1.634
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	55340	3560	open	22.67	23.70	1.268	62.9	1.006	-0.08	1.270	1.620
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	56150	3641	open	22.65	23.70	1.274	62.9	1.006	0.03	1.180	1.512
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	56640	3690	open	22.63	23.70	1.279	62.9	1.006	0.12	1.240	1.596
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 3	ECl 6	55830	3609	open	22.67	23.00	1.079	62.9	1.006	-0.17	0.961	1.043
	LTE Band 48	20M	QPSK	100	0	-	Front	0mm	Ant 3	ECl 6	55830	3609	open	22.64	23.00	1.086	62.9	1.006	-0.17	0.961	1.050
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 3	ECl 6	55830	3609	open	22.70	23.70	1.259	62.9	1.006	0.02	0.867	1.098



	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 3	ECl 6	55830	3609	open	22.67	23.00	1.079	62.9	1.006	-0.07	0.720	0.782
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	55830	3609	open	22.70	23.70	1.259	62.9	1.006	-0.03	1.890	2.394
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	55340	3560	open	22.67	23.70	1.268	62.9	1.006	0.02	1.930	2.461
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	56150	3641	open	22.65	23.70	1.274	62.9	1.006	0.09	1.850	2.370
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	ECl 6	56640	3690	open	22.63	23.70	1.279	62.9	1.006	-0.02	1.820	2.342
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 3	ECl 6	55830	3609	open	22.67	23.00	1.079	62.9	1.006	-0.07	1.050	1.140
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	ECl 6	55830	3609	open	22.64	23.00	1.086	62.9	1.006	0.1	1.050	1.148
	LTE Band 48C	20M	QPSK	1	99	-	Top Side	0mm	Ant 3	ECl 6	55340+ 55538	3560+ 3579.8	open	22.55	23.70	1.303	62.9	1.006	0.02	1.810	2.373
	LTE Band 48	20M	QPSK	1	0	-	Front	13mm	Ant 3	ECl 4	55830	3609	open	23.06	24.00	1.242	62.9	1.006	-0.16	0.185	0.231
	LTE Band 48	20M	QPSK	1	0	-	Back	12mm	Ant 3	ECl 4	55830	3609	open	23.06	24.00	1.242	62.9	1.006	-0.17	0.201	0.251
	LTE Band 48	20M	QPSK	1	0	-	Top Side	15mm	Ant 3	ECl 4	55340	3560	open	23.00	24.00	1.259	62.9	1.006	0.11	0.195	0.247
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 8	ECl 6	55830	3609	open	22.07	23.40	1.358	62.9	1.006	0.04	0.954	1.304
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 8	ECl 6	55830	3609	open	22.03	23.00	1.250	62.9	1.006	0.07	0.789	0.992
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 8	ECl 6	55830	3609	open	22.07	23.40	1.358	62.9	1.006	0.02	0.615	0.840
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 8	ECl 6	55830	3609	open	22.03	23.00	1.250	62.9	1.006	-0.08	0.508	0.639
115	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	ECl 6	55830	3609	open	22.07	23.40	1.358	62.9	1.006	-0.03	1.830	2.501
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	ECl 6	55340	3560	open	22.00	23.40	1.380	62.9	1.006	-0.06	1.750	2.430
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	ECl 6	56150	3641	open	22.01	23.40	1.377	62.9	1.006	0.18	1.800	2.494
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 8	ECl 6	56640	3690	open	22.05	23.40	1.365	62.9	1.006	0.01	1.820	2.498
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	ECl 6	55830	3609	open	22.03	23.00	1.250	62.9	1.006	0.03	1.490	1.874
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	ECl 6	55340	3560	open	21.89	23.00	1.291	62.9	1.006	-0.01	1.420	1.845
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	ECl 6	56150	3641	open	21.91	23.00	1.285	62.9	1.006	-0.18	1.460	1.888
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 8	ECl 6	56640	3690	open	22.01	23.00	1.256	62.9	1.006	-0.05	1.490	1.883
	LTE Band 48	20M	QPSK	100	0	-	Right Side	0mm	Ant 8	ECl 6	55830	3609	open	22.00	23.00	1.259	62.9	1.006	-0.14	1.480	1.874
	LTE Band 48C	20M	QPSK	1	99	-	Right Side	0mm	Ant 8	ECl 6	55830+ 56028	3609+ 3628.8	open	21.97	23.40	1.390	62.9	1.006	-0.03	1.720	2.405
	LTE Band 48	20M	QPSK	1	0	-	Front	16mm	Ant 8	ECl 4	55830	3609	open	23.29	24.00	1.178	62.9	1.006	-0.04	0.105	0.124
	LTE Band 48	20M	QPSK	1	0	-	Back	13mm	Ant 8	ECl 4	55830	3609	open	23.29	24.00	1.178	62.9	1.006	0.15	0.101	0.120
	LTE Band 48	20M	QPSK	1	0	-	Right Side	15mm	Ant 8	ECl 4	55830	3609	open	23.29	24.00	1.178	62.9	1.006	0.09	0.306	0.363
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	641666	3624.99	open	18.37	19.10	1.183		1.000	-0.03	1.320	1.562
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	641666	3624.99	open	18.36	19.10	1.186		1.000	-0.06	1.170	1.387
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	641666	3624.99	open	18.37	19.10	1.183		1.000	-0.07	1.050	1.242
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	641666	3624.99	open	18.36	19.10	1.186		1.000	0.11	0.950	1.126
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	641666	3624.99	open	18.37	19.10	1.183		1.000	0.04	2.070	2.449
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	638000	3570	open	18.29	19.10	1.205		1.000	-0.08	1.910	2.302
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	645332	3679.98	open	18.29	19.10	1.205		1.000	0.05	1.850	2.229
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	641666	3624.99	open	18.36	19.10	1.186		1.000	0.17	2.080	2.466
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	638000	3570	open	18.23	19.10	1.222		1.000	0.04	1.930	2.358
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	645332	3679.98	open	18.08	19.10	1.265		1.000	-0.01	1.850	2.340
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	641666	3624.99	open	18.25	19.10	1.216		1.000	-0.1	1.950	2.372
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	16mm	Ant 4	ECl 4	641666	3624.99	open	23.51	25.00	1.409		1.000	0.02	0.219	0.309
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	ECl 4	641666	3624.99	open	23.51	25.00	1.409		1.000	0.12	0.197	0.278
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	21mm	Ant 4	ECl 4	641666	3624.99	open	23.50	25.00	1.413		1.000	0.02	0.308	0.435
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	ECl 6	641666	3624.99	open	19.69	20.90	1.321		1.000	-0.04	1.170	1.546
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 6	ECl 6	641666	3624.99	open	19.62	20.90	1.343		1.000	0.17	1.020	1.370
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	ECl 6	641666	3624.99	open	19.69	20.90	1.321		1.000	0.01	0.930	1.229
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 6	ECl 6	641666	3624.99	open	19.62	20.90	1.343		1.000	-0.11	0.903	1.213
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	641666	3624.99	open	19.69	20.90	1.321		1.000	0.09	1.850	2.444
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	638000	3570	open	19.61	20.90	1.346		1.000	-0.17	1.710	2.301
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	645332	3679.98	open	19.49	20.90	1.384		1.000	0.06	1.640	2.269
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	641666	3624.99	open	19.62	20.90	1.343		1.000	-0.02	1.690	2.269
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	638000	3570	open	19.36	20.90	1.426		1.000	0.01	1.530	2.181
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	645332	3679.98	open	19.36	20.90	1.426		1.000	0.1	1.460	2.081
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	641666	3624.99	open	19.44	20.90	1.400		1.000	0.15	1.620	2.267
	FR1 n48 other Path	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	ECl 6	641666	3624.99	open	19.75	21.00	1.334		1.000	0.09	1.840	2.454
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	16mm	Ant 6	ECl 4	641666	3624.99	open	21.44	22.00	1.138		1.000	0.03	0.101	0.115
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	13mm	Ant 6	ECl 4	641666	3624.99	open	21.44	22.00	1.138		1.000	-0.05	0.135	0.154
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 6	ECl 4	641666	3624.99	open	21.44	22.00	1.138		1.000	0.14	0.349	0.397



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	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 3	ECl 6	641666	3624.99	open	19.28	20.30	1.265	1.000	-0.16	1.550	1.960	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 3	ECl 6	641666	3624.99	open	19.25	20.30	1.274	1.000	-0.1	1.480	1.885	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	ECl 6	641666	3624.99	open	19.28	20.30	1.265	1.000	0.12	1.420	1.796	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 3	ECl 6	641666	3624.99	open	19.25	20.30	1.274	1.000	-0.11	1.370	1.745	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	641666	3624.99	open	19.28	20.30	1.265	1.000	-0.1	1.970	2.492	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	638000	3570	open	19.27	20.30	1.268	1.000	0.17	1.850	2.345	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	645332	3679.98	open	19.21	20.30	1.285	1.000	-0.05	1.790	2.301	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	641666	3624.99	open	19.25	20.30	1.274	1.000	0.16	1.920	2.445	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	638000	3570	open	19.00	20.30	1.349	1.000	0.14	1.780	2.401	
116	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	645332	3679.98	open	18.94	20.30	1.368	1.000	-0.17	1.840	2.517	
	FR1 n48B	20M	QPSK	25	26	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	641000+3614.995+642332	3634.973	open	18.73	20.30	1.435	1.000	-0.17	1.640	2.354	
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Top Side	0mm	Ant 3	ECl 6	641666	3624.99	open	19.18	20.30	1.294	1.000	-0.09	1.830	2.368	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	13mm	Ant 3	ECl 4	641666	3624.99	open	23.31	24.00	1.172	1.000	-0.01	0.201	0.236	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	12mm	Ant 3	ECl 4	641666	3624.99	open	23.31	24.00	1.172	1.000	-0.14	0.325	0.381	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	15mm	Ant 3	ECl 4	641666	3624.99	open	23.31	24.00	1.172	1.000	-0.15	0.224	0.263	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 8	ECl 6	641666	3624.99	open	18.85	19.70	1.216	1.000	0.08	0.932	1.133	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 8	ECl 6	641666	3624.99	open	18.75	19.70	1.245	1.000	-0.11	0.961	1.196	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	ECl 6	641666	3624.99	open	18.85	19.70	1.216	1.000	0.15	0.542	0.659	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 8	ECl 6	641666	3624.99	open	18.75	19.70	1.245	1.000	-0.17	0.579	0.721	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	641666	3624.99	open	18.85	19.70	1.216	1.000	-0.02	1.930	2.347	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	638000	3570	open	18.81	19.70	1.227	1.000	0.14	1.750	2.148	
	FR1 n48	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	645332	3679.98	open	18.81	19.70	1.227	1.000	0.11	1.840	2.258	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	641666	3624.99	open	18.75	19.70	1.245	1.000	0.09	1.980	2.464	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	638000	3570	open	18.69	19.70	1.262	1.000	-0.05	1.820	2.297	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	645332	3679.98	open	18.65	19.70	1.274	1.000	0.18	1.680	2.139	
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	641666	3624.99	open	18.74	19.70	1.247	1.000	0.1	1.860	2.320	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	16mm	Ant 8	ECl 4	641666	3624.99	open	21.33	22.00	1.167	1.000	0.05	0.078	0.091	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	13mm	Ant 8	ECl 4	641666	3624.99	open	21.33	22.00	1.167	1.000	0.08	0.096	0.112	
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	15mm	Ant 8	ECl 4	641666	3624.99	open	21.33	22.00	1.167	1.000	-0.18	0.201	0.235	
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	656000	3840	open	18.38	19.10	1.180	-	-	0.1	0.765	0.903
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	656000	3840	open	18.25	19.10	1.216	-	-	-0.1	0.797	0.969
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	656000	3840	open	18.38	19.10	1.180	-	-	-0.04	0.564	0.666
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	656000	3840	open	18.25	19.10	1.216	-	-	0.01	0.485	0.590
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	656000	3840	open	18.38	19.10	1.180	-	-	0.03	1.970	2.325
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	656000	3840	open	18.25	19.10	1.216	-	-	-0.11	2.010	2.445
	FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	656000	3840	open	18.16	19.10	1.242	-	-	-0.16	1.890	2.347
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 4	656000	3840	open	26.46	27.00	1.132	-	-	0.15	0.121	0.137
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 4	656000	3840	open	26.34	27.00	1.164	-	-	-0.15	0.271	0.315
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	16mm	Ant 4	ECl 4	656000	3840	open	26.34	27.00	1.164	-	-	0.03	0.361	0.420
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 4	ECl 4	656000	3840	open	26.46	27.00	1.132	-	-	-0.1	0.328	0.371
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	21mm	Ant 4	ECl 4	656000	3840	open	26.34	27.00	1.164	-	-	0.05	0.492	0.573
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	633334	3500.01	open	18.63	19.10	1.114	-	-	-0.03	1.620	1.805
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	633334	3500.01	open	18.47	19.10	1.156	-	-	-0.13	1.690	1.954
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	633334	3500.01	open	18.63	19.10	1.114	-	-	-0.15	0.730	0.813
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	633334	3500.01	open	18.47	19.10	1.156	-	-	-0.11	0.898	1.038
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	633334	3500.01	open	18.63	19.10	1.114	-	-	-0.08	1.780	1.983
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	633334	3500.01	open	18.47	19.10	1.156	-	-	-0.12	1.810	2.093
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECl 6	633334	3500.01	open	18.48	19.10	1.153	-	-	0.19	1.670	1.926
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 4	633334	3500.01	open	26.74	27.00	1.062	-	-	-0.01	0.612	0.650
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 4	633334	3500.01	open	26.58	27.00	1.102	-	-	-0.19	0.632	0.696
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	16mm	Ant 4	ECl 4	633334	3500.01	open	26.58	27.00	1.102	-	-	0.07	0.351	0.387
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	ECl 4	633334	3500.01	open	26.58	27.00	1.102	-	-	0.15	0.298	0.328
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	21mm	Ant 4	ECl 4	633334	3500.01	open	26.58	27.00	1.102	-	-	-0.05	0.405	0.446
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	ECl 6	656000	3840	open	18.48	19.90	1.387	-	-	-0.09	1.180	1.636
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 6	ECl 6	656000	3840	open	18.29	19.90	1.449	-	-	0.17	0.982	1.423
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	ECl 6	656000	3840	open	18.48	19.90	1.387	-	-	0.14	1.000	1.387
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 6	ECl 6	656000	3840	open	18.29	19.90	1.449	-	-	-0.15	0.972	1.408



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	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 6	EI 6	656000	3840	open	18.48	19.90	1.387	-	-	-0.03	0.313	0.434
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 6	EI 6	656000	3840	open	18.29	19.90	1.449	-	-	-0.16	0.365	0.529
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	EI 6	656000	3840	open	18.48	19.90	1.387	-	-	-0.02	1.160	1.609
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 6	EI 6	656000	3840	open	18.29	19.90	1.449	-	-	0.08	0.995	1.442
	FR1 n77 Part 270 HPUE Other Path	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	EI 6	656000	3840	open	19.88	21.10	1.324	-	-	-0.09	1.470	1.947
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	16mm	Ant 6	EI 4	656000	3840	open	23.92	25.00	1.282	-	-	-0.12	0.131	0.168
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	13mm	Ant 6	EI 4	656000	3840	open	23.84	25.00	1.306	-	-	0.07	0.192	0.251
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	15mm	Ant 6	EI 4	656000	3840	open	23.84	25.00	1.306	-	-	0.09	0.083	0.108
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 6	EI 4	656000	3840	open	23.92	25.00	1.282	-	-	0.04	0.529	0.678
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	EI 6	633334	3500.01	open	18.82	19.90	1.282	-	-	0.02	0.969	1.243
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 6	EI 6	633334	3500.01	open	18.78	19.90	1.294	-	-	0.02	1.040	1.346
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	EI 6	633334	3500.01	open	18.82	19.90	1.282	-	-	-0.17	0.686	0.880
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 6	EI 6	633334	3500.01	open	18.78	19.90	1.294	-	-	-0.04	0.806	1.043
117	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	EI 6	633334	3500.01	open	18.82	19.90	1.282	-	-	-0.07	1.940	2.488
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 6	EI 6	633334	3500.01	open	18.78	19.90	1.294	-	-	0.04	1.770	2.291
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 6	EI 6	633334	3500.01	open	18.82	19.90	1.282	-	-	0.01	1.700	2.180
	FR1 n77 Part 27Q HPUE Other Path	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 6	EI 6	633334	3500.01	open	19.72	21.10	1.374	-	-	0.06	1.810	2.487
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	16mm	Ant 6	EI 4	633334	3500.01	open	24.20	25.00	1.202	-	-	-0.13	0.101	0.121
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	13mm	Ant 6	EI 4	633334	3500.01	open	24.20	25.00	1.202	-	-	0.12	0.175	0.210
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	9mm	Ant 6	EI 4	633334	3500.01	open	24.25	25.00	1.189	-	-	-0.11	0.489	0.581
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 3	EI 6	656000	3840	open	21.34	22.30	1.247	-	-	0.02	1.860	2.320
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 3	EI 6	656000	3840	open	21.33	22.30	1.250	-	-	-0.05	1.930	2.413
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 3	EI 6	656000	3840	open	21.10	22.30	1.318	-	-	-0.11	1.800	2.373
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	EI 6	656000	3840	open	21.34	22.30	1.247	-	-	0.03	1.380	1.721
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	EI 6	656000	3840	open	21.33	22.30	1.250	-	-	0.05	1.240	1.550
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 3	EI 6	656000	3840	open	21.34	22.30	1.247	-	-	-0.17	0.891	1.111
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 3	EI 6	656000	3840	open	21.33	22.30	1.250	-	-	0.05	0.842	1.053
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	EI 6	656000	3840	open	21.34	22.30	1.247	-	-	0.05	1.500	1.871
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	EI 6	656000	3840	open	21.33	22.30	1.250	-	-	-0.03	1.580	1.975
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	13mm	Ant 3	EI 4	656000	3840	open	26.23	27.00	1.194	-	-	-0.17	0.473	0.565
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	12mm	Ant 3	EI 4	656000	3840	open	26.28	27.00	1.180	-	-	0.08	0.549	0.648
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	12mm	Ant 3	EI 4	656000	3840	open	26.28	27.00	1.180	-	-	0.01	0.144	0.170
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	15mm	Ant 3	EI 4	656000	3840	open	26.23	27.00	1.194	-	-	0.02	0.743	0.887
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 3	EI 6	633334	3500.01	open	21.32	22.30	1.253	-	-	-0.06	1.950	2.444
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 3	EI 6	633334	3500.01	open	21.19	22.30	1.291	-	-	-0.15	1.810	2.337
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 3	EI 6	633334	3500.01	open	21.13	22.30	1.309	-	-	-0.03	1.730	2.265
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 3	EI 6	633334	3500.01	open	21.32	22.30	1.253	-	-	0.1	1.330	1.667
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 3	EI 6	633334	3500.01	open	21.19	22.30	1.291	-	-	-0.05	1.200	1.549
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 3	EI 6	633334	3500.01	open	21.32	22.30	1.253	-	-	0.09	1.580	1.980
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 3	EI 6	633334	3500.01	open	21.19	22.30	1.291	-	-	-0.02	1.440	1.859
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	13mm	Ant 3	EI 4	633334	3500.01	open	26.30	27.00	1.175	-	-	-0.01	0.365	0.429
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	12mm	Ant 3	EI 4	633334	3500.01	open	26.30	27.00	1.175	-	-	0.09	0.485	0.570
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	15mm	Ant 3	EI 4	633334	3500.01	open	26.30	27.00	1.175	-	-	0.1	0.651	0.765
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 8	EI 6	656000	3840	open	17.99	19.10	1.291	-	-	0.02	0.906	1.170
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 8	EI 6	656000	3840	open	17.86	19.10	1.330	-	-	0.01	0.928	1.235
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	EI 6	656000	3840	open	17.99	19.10	1.291	-	-	-0.16	0.575	0.742
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	EI 6	656000	3840	open	17.86	19.10	1.330	-	-	0.08	0.594	0.790
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	EI 6	656000	3840	open	17.99	19.10	1.291	-	-	-0.17	1.920	2.479
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 8	EI 6	656000	3840	open	17.86	19.10	1.330	-	-	-0.09	1.740	2.315
	FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 8	EI 6	656000	3840	open	17.73	19.10	1.371	-	-	0.18	1.650	2.262
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	16mm	Ant 8	EI 4	656000	3840	open	23.89	25.00	1.291	-	-	-0.04	0.125	0.161
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	13mm	Ant 8	EI 4	656000	3840	open	23.89	25.00	1.291	-	-	-0.09	0.205	0.265
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	15mm	Ant 8	EI 4	656000	3840	open	23.92	25.00	1.282	-	-	0.18	0.011	0.014
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 8	EI 6	633334	3500.01	open	18.27	19.10	1.211	-	-	0.07	0.717	0.868
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 8	EI 6	633334	3500.01	open	18.19	19.10	1.233	-	-	0.03	0.768	0.947
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	EI 6	633334	3500.01	open	18.27	19.10	1.211	-	-	-0.16	0.403	0.488
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	EI 6	633334	3500.01	open	18.19	19.10	1.233	-	-	-0.17	0.533	0.657



FCC SAR Test Report

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FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	633334	3500.01	open	18.27	19.10	1.211	-	-	-0.1	1.620	1.961
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	633334	3500.01	open	18.19	19.10	1.233	-	-	-0.04	1.680	2.072
FR1 n77 Part 27Q HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECl 6	633334	3500.01	open	18.01	19.10	1.285	-	-	0.03	1.550	1.992
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	16mm	Ant 8	ECl 4	633334	3500.01	open	24.14	25.00	1.219	-	-	0.07	0.085	0.104
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	13mm	Ant 8	ECl 4	633334	3500.01	open	24.14	25.00	1.219	-	-	-0.03	0.152	0.185
FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	15mm	Ant 8	ECl 4	633334	3500.01	open	24.14	25.00	1.219	-	-	0.09	0.031	0.038

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
WLAN/BT																		
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 5+7(7)	Standalone	6	2437	open	18.38	19.50	1.294	100	1.000	0.07	1.440	1.864	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 5+7(7)	Standalone	6	2437	open	18.38	19.50	1.294	100	1.000	-0.18	0.647	0.837	
118	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 5+7(7)	Standalone	6	2437	open	18.38	19.50	1.294	100	1.000	-0.05	2.320	3.003	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	11	2462	open	17.23	18.50	1.340	100	1.000	-0.03	2.000	2.679	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	1	2412	open	17.15	18.50	1.365	100	1.000	0.07	1.390	1.897	
	WLAN2.4GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(7)	Standalone	6	2437	open	17.86	19.50	1.459	94.09	1.063	0.06	1.910	2.962	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 5+7(7)	Standalone	6	2437	open	18.38	19.50	1.294	100	1.000	0.01	1.060	1.372	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 5+7(5)WWAN+non DBS	6	2437	open	10.79	12.50	1.483	100	1.000	-0.17	0.379	0.562		
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 5+7(5)WWAN+non DBS	6	2437	open	10.79	12.50	1.483	100	1.000	-0.1	0.170	0.252		
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 5+7(5)WWAN+non DBS	6	2437	open	10.79	12.50	1.483	100	1.000	0.18	0.623	0.924		
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 5+7(5)WWAN+non DBS	6	2437	open	10.79	12.50	1.483	100	1.000	-0.17	0.278	0.412		
	WLAN2.4GHz	802.11b 1Mbps	Front	16mm	Ant 5+7(7)	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	-0.17	0.272	0.418	
	WLAN2.4GHz	802.11b 1Mbps	Back	13mm	Ant 5+7(7)	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	-0.1	0.270	0.415	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	15mm	Ant 5+7(7)	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	0.18	0.613	0.943	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	9mm	Ant 5+7(7)	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	-0.17	0.403	0.620	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	DBS only	6	2437	open	14.83	16.50	1.469	100	1.000	-0.17	0.754	1.108	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	DBS only	6	2437	open	14.83	16.50	1.469	100	1.000	-0.1	0.339	0.498	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 7	DBS only	6	2437	open	14.83	16.50	1.469	100	1.000	0.06	1.240	1.821	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 7	DBS only	6	2437	open	14.83	16.50	1.469	100	1.000	-0.17	0.554	0.814	
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7	WWAN+DBS	6	2437	open	8.93	10.50	1.435	100	1.000	0.1	0.192	0.276	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7	WWAN+DBS	6	2437	open	8.93	10.50	1.435	100	1.000	0.12	0.086	0.123	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 7	WWAN+DBS	6	2437	open	8.93	10.50	1.435	100	1.000	0.08	0.316	0.454	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 7	WWAN+DBS	6	2437	open	8.93	10.50	1.435	100	1.000	-0.17	0.141	0.202	
	WLAN2.4GHz	802.11b 1Mbps	Front	16mm	Ant 7	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	0.1	0.284	0.437	
	WLAN2.4GHz	802.11b 1Mbps	Back	13mm	Ant 7	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	0.12	0.279	0.429	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	15mm	Ant 7	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	0.08	0.538	0.828	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	9mm	Ant 7	Full power	6	2437	open	23.13	25.00	1.538	100	1.000	-0.17	0.306	0.471	
119	Bluetooth	1Mbps	Right Side	0mm	Ant 7	Standalone	39	2441	open	12.30	13.50	1.318	76.64	1.087	-0.17	0.563	0.807	
	Bluetooth	1Mbps	Right Side	0mm	Ant 7	Simultaneous	39	2441	open	7.50	8.50	1.259	76.64	1.087	-0.03	0.204	0.279	
	Bluetooth	1Mbps	Right Side	15mm	Ant 7	Full power	39	2441	open	18.80	19.50	1.175	76.64	1.087	-0.17	0.095	0.121	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(5)	Standalone	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.08	1.480	2.341	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(7)	Standalone	62	5310	open	16.28	18.00	1.486	93.7	1.067	0.01	0.998	1.582	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(5)	Standalone	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.03	0.787	1.245	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+7(5)	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.08	0.718	1.136	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.08	1.400	2.215	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(7)	Standalone	62	5310	open	16.28	18.00	1.486	93.7	1.067	0.1	0.946	1.500	
120	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.11	1.560	2.468	



	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	62	5310	open	16.28	18.00	1.486	93.7	1.067	-0.18	1.110	1.760
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	open	15.38	17.00	1.452	93.7	1.067	0.08	0.581	0.900
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	open	15.38	17.00	1.452	93.7	1.067	0.01	0.309	0.479
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	open	15.38	17.00	1.452	93.7	1.067	-0.08	0.549	0.851
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	open	15.38	17.00	1.452	93.7	1.067	-0.08	0.612	0.948
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	16mm	Ant 5+7(5)	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.08	0.063	0.100
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	13mm	Ant 5+7(5)	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.01	0.081	0.128
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	15mm	Ant 5+7(5)	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.08	0.093	0.147
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	9mm	Ant 5+7(5)	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.08	0.126	0.199
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5	DBS only	54	5270	open	18.36	20.00	1.459	93.7	1.067	0.1	1.180	1.837
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	DBS only	54	5270	open	18.36	20.00	1.459	93.7	1.067	0.12	0.626	0.974
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.08	0.767	1.213
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5	DBS only	54	5270	open	18.36	20.00	1.459	93.7	1.067	-0.17	1.110	1.728
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	DBS only	54	5270	open	18.36	20.00	1.459	93.7	1.067	-0.04	1.240	1.930
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	WWAN+DBS	58	5290	open	12.45	14.00	1.429	88.19	1.134	0.1	0.270	0.437
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	WWAN+DBS	58	5290	open	12.45	14.00	1.429	88.19	1.134	0.12	0.144	0.233
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	WWAN+DBS	58	5290	open	12.45	14.00	1.429	88.19	1.134	-0.17	0.256	0.415
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	WWAN+DBS	58	5290	open	12.45	14.00	1.429	88.19	1.134	-0.04	0.285	0.462
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	16mm	Ant 5	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.1	0.049	0.078
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	13mm	Ant 5	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	0.12	0.059	0.093
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	15mm	Ant 5	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.17	0.053	0.084
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	9mm	Ant 5	Full power	54	5270	open	19.29	21.00	1.483	93.7	1.067	-0.04	0.104	0.165
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	Standalone	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.03	1.670	2.847
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	Standalone	122	5610	open	19.15	21.00	1.531	88.19	1.134	0.14	1.580	2.743
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(5)	Standalone	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.05	0.847	1.444
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+7(5)	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.18	0.066	0.113
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.14	1.330	2.267
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	122	5610	open	19.15	21.00	1.531	88.19	1.134	-0.17	1.200	2.084
121	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.01	1.850	3.153
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	122	5610	open	19.15	21.00	1.531	88.19	1.134	-0.05	1.710	2.969
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	106	5530	open	14.85	16.50	1.462	88.19	1.134	0.01	1.370	2.272
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	142	5710	open	18.94	20.50	1.432	93.7	1.067	0.06	1.840	2.812
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(7)	WWAN+non DBS	138	5690	open	13.86	15.50	1.459	88.19	1.134	0.1	0.508	0.840
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(7)	WWAN+non DBS	138	5690	open	13.86	15.50	1.459	88.19	1.134	-0.18	0.258	0.427
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(7)	WWAN+non DBS	138	5690	open	13.86	15.50	1.459	88.19	1.134	0.12	0.405	0.670
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(7)	WWAN+non DBS	138	5690	open	13.86	15.50	1.459	88.19	1.134	0.08	0.563	0.931
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	16mm	Ant 5+7(5)	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.1	0.085	0.145
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	13mm	Ant 5+7(5)	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.18	0.103	0.176
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	15mm	Ant 5+7(5)	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.12	0.108	0.184
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	9mm	Ant 5+7(5)	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.08	0.227	0.387
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	DBS only	138	5690	open	17.46	19.00	1.426	88.19	1.134	0.1	0.789	1.276
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	DBS only	138	5690	open	17.46	19.00	1.426	88.19	1.134	-0.17	0.345	0.558
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.04	0.047	0.080
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	DBS only	138	5690	open	17.46	19.00	1.426	88.19	1.134	-0.01	0.579	0.936
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	DBS only	138	5690	open	17.46	19.00	1.426	88.19	1.134	-0.02	1.120	1.811



	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	WWAN+DBS	138	5690	open	11.43	13.00	1.435	88.19	1.134	-0.17	0.194	0.316
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	WWAN+DBS	138	5690	open	11.43	13.00	1.435	88.19	1.134	-0.03	0.085	0.138
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	WWAN+DBS	138	5690	open	11.43	13.00	1.435	88.19	1.134	0.11	0.142	0.231
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	WWAN+DBS	138	5690	open	11.43	13.00	1.435	88.19	1.134	-0.05	0.275	0.448
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	16mm	Ant 5	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.17	0.077	0.131
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	13mm	Ant 5	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.03	0.097	0.165
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	15mm	Ant 5	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	0.11	0.032	0.055
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	9mm	Ant 5	Full power	138	5690	open	19.23	21.00	1.503	88.19	1.134	-0.05	0.188	0.320
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	Standalone	155	5775	open	18.20	20.00	1.514	88.19	1.134	0.01	1.670	2.866
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(5)	Standalone	155	5775	open	18.20	20.00	1.514	88.19	1.134	0.19	0.598	1.026
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	155	5775	open	18.20	20.00	1.514	88.19	1.134	-0.15	1.460	2.506
122	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	155	5775	open	18.20	20.00	1.514	88.19	1.134	0.09	1.850	3.175
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	159	5795	open	18.32	20.00	1.472	93.7	1.067	0.02	1.810	2.843
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	open	13.33	15.00	1.469	88.19	1.134	0.18	0.514	0.856
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	open	13.33	15.00	1.469	88.19	1.134	0.14	0.184	0.307
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	open	13.33	15.00	1.469	88.19	1.134	-0.17	0.447	0.745
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	open	13.33	15.00	1.469	88.19	1.134	0.17	0.568	0.946
	WLAN5.8GHz	802.11a 6Mbps	Front	16mm	Ant 5+7(5)	Full power	149	5745	open	21.24	23.00	1.500	96.97	1.031	0.18	0.190	0.294
	WLAN5.8GHz	802.11a 6Mbps	Back	13mm	Ant 5+7(5)	Full power	149	5745	open	21.24	23.00	1.500	96.97	1.031	0.14	0.204	0.315
	WLAN5.8GHz	802.11a 6Mbps	Right Side	15mm	Ant 5+7(5)	Full power	149	5745	open	21.24	23.00	1.500	96.97	1.031	-0.17	0.263	0.407
	WLAN5.8GHz	802.11a 6Mbps	Top Side	9mm	Ant 5+7(5)	Full power	149	5745	open	21.24	23.00	1.500	96.97	1.031	0.17	0.422	0.652
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	DBS only	155	5775	open	17.34	19.00	1.466	88.19	1.134	-0.15	0.831	1.381
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	DBS only	155	5775	open	17.34	19.00	1.466	88.19	1.134	-0.08	0.363	0.603
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	DBS only	155	5775	open	17.34	19.00	1.466	88.19	1.134	-0.04	0.610	1.014
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	DBS only	155	5775	open	17.34	19.00	1.466	88.19	1.134	0.02	1.180	1.961
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	WWAN+DBS	155	5775	open	11.29	13.00	1.483	88.19	1.134	-0.07	0.196	0.330
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	WWAN+DBS	155	5775	open	11.29	13.00	1.483	88.19	1.134	-0.08	0.086	0.145
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	WWAN+DBS	155	5775	open	11.29	13.00	1.483	88.19	1.134	0.12	0.144	0.242
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	WWAN+DBS	155	5775	open	11.29	13.00	1.483	88.19	1.134	-0.07	0.278	0.467
	WLAN5.8GHz	802.11a 6Mbps	Front	16mm	Ant 5	Full power	165	5825	open	21.27	23.00	1.489	96.97	1.031	-0.07	0.185	0.284
	WLAN5.8GHz	802.11a 6Mbps	Back	13mm	Ant 5	Full power	165	5825	open	21.27	23.00	1.489	96.97	1.031	-0.08	0.148	0.227
	WLAN5.8GHz	802.11a 6Mbps	Right Side	15mm	Ant 5	Full power	165	5825	open	21.27	23.00	1.489	96.97	1.031	0.12	0.045	0.069
	WLAN5.8GHz	802.11a 6Mbps	Top Side	9mm	Ant 5	Full power	165	5825	open	21.27	23.00	1.489	96.97	1.031	-0.07	0.378	0.580