

configuration, the middle channel of the group of overlapping channels should be selected for testing.

7. LTE B2 / B4 / B5 / B17 / B38 SAR test was covered by B25 / B66 / B26 / B12 / B41 / B48; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion
 - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

5G NR Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - b. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
 - c. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - d. $\pi/2$ BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, $\pi/2$ BPSK /16QAM/64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - f. For 5G FR1 n5 /n7/n12/n25/n26/n66/n71/n41/n48/n77 the maximum bandwidth does not support three non-overlapping channels, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

WLAN/Bluetooth Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.



16.1 Head SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measure 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHZ																					
01	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	133297	680.5	1	23.23	24.00	1.194	-	-	0.06	0.193	0.230
	LTE Band 71	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	133297	680.5	1	23.23	24.00	1.194	-	-	0.04	0.103	0.123
	LTE Band 71	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	133297	680.5	1	23.23	24.00	1.194	-	-	0.14	0.183	0.218
	LTE Band 71	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	133297	680.5	1	23.23	24.00	1.194	-	-	-0.13	0.091	0.109
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	133297	680.5	1	22.10	23.00	1.230	-	-	0.18	0.123	0.151
	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	133297	680.5	1	22.10	23.00	1.230	-	-	0.02	0.064	0.079
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	133297	680.5	1	22.10	23.00	1.230	-	-	-0.14	0.119	0.146
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	133297	680.5	1	22.10	23.00	1.230	-	-	0.09	0.062	0.076
	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	133297	680.5	1	22.99	24.00	1.262	-	-	0.05	0.188	1.237
	LTE Band 71	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	133297	680.5	1	22.99	24.00	1.262	-	-	-0.13	0.168	0.212
	LTE Band 71	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	133297	680.5	1	22.99	24.00	1.262	-	-	-0.17	0.121	0.153
	LTE Band 71	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	133297	680.5	1	22.99	24.00	1.262	-	-	0.14	0.134	0.169
	LTE Band 71	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	133297	680.5	1	22.03	23.00	1.250	-	-	0.17	0.175	0.219
	LTE Band 71	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	133297	680.5	1	22.03	23.00	1.250	-	-	-0.14	0.166	0.208
	LTE Band 71	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 2	133297	680.5	1	22.03	23.00	1.250	-	-	-0.07	0.111	0.139
	LTE Band 71	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI 2	133297	680.5	1	22.03	23.00	1.250	-	-	-0.13	0.129	0.161
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	1	23.14	24.00	1.219	-	-	0.05	0.211	0.257
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	23095	707.5	1	23.14	24.00	1.219	-	-	-0.18	0.136	0.166
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	23095	707.5	1	23.14	24.00	1.219	-	-	0.15	0.218	0.266
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	23095	707.5	1	23.14	24.00	1.219	-	-	-0.18	0.116	0.141
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	1	22.19	23.00	1.205	-	-	0.03	0.114	0.137
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 2	23095	707.5	1	22.19	23.00	1.205	-	-	0.1	0.072	0.087
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 2	23095	707.5	1	22.19	23.00	1.205	-	-	0.08	0.119	0.143
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 2	23095	707.5	1	22.19	23.00	1.205	-	-	0.16	0.065	0.078
02	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	23095	707.5	1	22.92	24.00	1.282	-	-	-0.01	0.961	1.232
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	23095	707.5	2	22.92	24.00	1.282	-	-	-0.01	0.472	0.605
	LTE Band 12	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	23095	707.5	1	22.92	24.00	1.282	-	-	-0.14	0.792	1.016
	LTE Band 12	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	23095	707.5	1	22.92	24.00	1.282	-	-	-0.18	0.604	0.775
	LTE Band 12	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	23095	707.5	1	22.92	24.00	1.282	-	-	0.12	0.580	0.744
	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	-0.12	0.634	0.847
	LTE Band 12	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 4	DSI 2	23095	707.5	1	21.81	23.00	1.315	-	-	-0.05	0.509	0.669
	LTE Band 12	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 4	DSI 2	23095	707.5	1	21.81	23.00	1.315	-	-	-0.14	0.473	0.622
	LTE Band 12	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 4	DSI 2	23095	707.5	1	21.81	23.00	1.315	-	-	-0.15	0.367	0.483
	LTE Band 12	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 4	DSI 2	23095	707.5	1	21.81	23.00	1.315	-	-	-0.07	0.355	0.467
	LTE Band 12	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	23095	707.5	1	21.76	23.00	1.330	-	-	-0.07	0.534	0.710
	LTE Band 12	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	23095	707.5	1	21.76	23.00	1.330	-	-	-0.02	0.502	0.668
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	23230	782	1	23.02	24.00	1.253	-	-	0.18	0.332	0.416
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	23230	782	1	23.02	24.00	1.253	-	-	-0.09	0.211	0.264
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	23230	782	1	23.02	24.00	1.253	-	-	-0.03	0.310	0.388
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	23230	782	1	23.02	24.00	1.253	-	-	-0.1	0.175	0.219
03	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 2	23230	782	1	22.11	23.00	1.227	-	-	0.15	0.192	0.236
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 2	23230	782	1	22.11	23.00	1.227	-	-	-0.06	0.124	0.152
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 2	23230	782	1	22.11	23.00	1.227	-	-	-0.17	0.177	0.217
	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 2	23230	782	1	22.11	23.00	1.227	-	-	-0.14	0.101	0.124
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	23230	782	1	23.33	24.00	1.167	-	-	0.06	0.884	1.031
	LTE Band 13	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	23230	782	1	23.33	24.00	1.167	-	-	0.18	0.712	0.831
	LTE Band 13	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	23230	782	1	23.33	24.00	1.167	-	-	-0.05	0.685	0.799
	LTE Band 13	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	23230	782	1	23.33	24.00	1.167	-	-	0.02	0.656	0.765
	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2 Sim	23230	782	1	21.94	23.00	1.276	-	-	-0.13	0.678	0.865
	LTE Band 13	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 4	DSI 2	23230	782	1	21.74	23.00	1.337	-	-	-0.17	0.555	0.742
	LTE Band 13	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 4	DSI 2	23230	782	1	21.74	23.00	1.337	-	-	-0.01	0.473	0.632
	LTE Band 13	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 4	DSI 2	23230	782	1	21.74	23.00	1.337	-	-	-0.1	0.380	0.508



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 13	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 4	DSI 2	23230	782	1	21.74	23.00	1.337	-	-	0.15	0.361	0.483
	LTE Band 13	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	23230	782	1	21.67	23.00	1.358	-	-	0.09	0.522	0.709
	LTE Band 13	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	23230	782	1	21.67	23.00	1.358	-	-	0.08	0.446	0.606
	LTE Band 14	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	23330	793	1	22.99	24.00	1.262	-	-	-0.18	0.397	0.501
	LTE Band 14	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	23330	793	1	22.99	24.00	1.262	-	-	0.09	0.288	0.363
	LTE Band 14	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	23330	793	1	22.99	24.00	1.262	-	-	-0.17	0.375	0.473
	LTE Band 14	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	23330	793	1	22.99	24.00	1.262	-	-	-0.11	0.226	0.285
	LTE Band 14	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 0	DSI 2	23330	793	1	22.10	23.00	1.230	-	-	-0.01	0.225	0.277
	LTE Band 14	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 0	DSI 2	23330	793	1	22.10	23.00	1.230	-	-	-0.03	0.162	0.199
	LTE Band 14	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 0	DSI 2	23330	793	1	22.10	23.00	1.230	-	-	0.02	0.216	0.266
	LTE Band 14	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 0	DSI 2	23330	793	1	22.10	23.00	1.230	-	-	0.05	0.137	0.169
04	LTE Band 14	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	23330	793	1	22.73	24.00	1.340	-	-	-0.11	0.867	1.161
	LTE Band 14	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	23330	793	1	22.73	24.00	1.340	-	-	0.05	0.700	0.938
	LTE Band 14	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	23330	793	1	22.73	24.00	1.340	-	-	-0.06	0.568	0.761
	LTE Band 14	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	23330	793	1	22.73	24.00	1.340	-	-	0.05	0.541	0.725
	LTE Band 14	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2 Sim	23330	793	1	22.32	23.50	1.312	-	-	-0.01	0.661	0.867
	LTE Band 14	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 4	DSI 2	23330	793	1	21.85	23.00	1.303	-	-	-0.14	0.633	0.825
	LTE Band 14	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 4	DSI 2	23330	793	1	21.85	23.00	1.303	-	-	-0.08	0.356	0.464
	LTE Band 14	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 4	DSI 2	23330	793	1	21.85	23.00	1.303	-	-	0.18	0.297	0.387
	LTE Band 14	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 4	DSI 2	23330	793	1	21.85	23.00	1.303	-	-	-0.17	0.280	0.365
	LTE Band 14	10M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	23330	793	1	21.71	23.00	1.346	-	-	0.03	0.582	0.783
	LTE Band 14	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	23330	793	1	21.71	23.00	1.346	-	-	0.05	0.348	0.468
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	136100	680.5	1	23.20	24.00	1.202	-	-	0.08	0.090	0.108
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	136100	680.5	1	23.20	24.00	1.202	-	-	0.15	0.048	0.058
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	136100	680.5	1	23.20	24.00	1.202	-	-	-0.04	0.088	0.106
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	136100	680.5	1	23.20	24.00	1.202	-	-	0.13	0.045	0.054
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	136100	680.5	1	22.99	24.00	1.262	-	-	-0.04	0.076	0.096
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	136100	680.5	1	22.99	24.00	1.262	-	-	-0.15	0.045	0.057
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	136100	680.5	1	22.99	24.00	1.262	-	-	0.18	0.078	0.098
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	136100	680.5	1	22.99	24.00	1.262	-	-	-0.1	0.043	0.054
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	136100	680.5	1	23.12	24.00	1.225	-	-	-0.14	0.222	0.272
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	136100	680.5	1	23.12	24.00	1.225	-	-	-0.01	0.217	0.266
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	136100	680.5	1	23.12	24.00	1.225	-	-	0.04	0.151	0.185
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	136100	680.5	1	23.12	24.00	1.225	-	-	-0.09	0.157	0.192
05	FR1 n71	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	136100	680.5	1	22.95	24.00	1.274	-	-	-0.05	0.261	0.332
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	136100	680.5	1	22.95	24.00	1.274	-	-	-0.04	0.226	0.288
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	136100	680.5	1	22.95	24.00	1.274	-	-	0.12	0.150	0.191
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	136100	680.5	1	22.95	24.00	1.274	-	-	0.07	0.151	0.192
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	141500	707.5	1	23.12	24.00	1.225	-	-	0.07	0.156	0.191
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	141500	707.5	1	23.12	24.00	1.225	-	-	-0.05	0.097	0.119
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	141500	707.5	1	23.12	24.00	1.225	-	-	0.18	0.163	0.200
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	141500	707.5	1	23.12	24.00	1.225	-	-	0.05	0.088	0.108
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	-0.04	0.132	0.174
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	0.14	0.081	0.107
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	-0.18	0.136	0.179
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	0.08	0.074	0.097
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	141500	707.5	1	23.13	24.00	1.222	-	-	0.05	0.375	0.458
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	141500	707.5	1	23.13	24.00	1.222	-	-	-0.18	0.364	0.445
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	141500	707.5	1	23.13	24.00	1.222	-	-	-0.01	0.238	0.291
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	141500	707.5	1	23.13	24.00	1.222	-	-	0.17	0.242	0.296
06	FR1 n12	15M	QPSK	36	22	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	-0.08	0.389	0.512
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	-0.12	0.355	0.467
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	-0.09	0.345	0.454
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	141500	707.5	1	22.81	24.00	1.315	-	-	0.19	0.338	0.445
	FR1 n14	10M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	158600	793	1	23.31	24.00	1.172	-	-	0.08	0.315	0.369
	FR1 n14	10M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	158600	793	1	23.31	24.00	1.172	-	-	-0.18	0.203	0.238
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	158600	793	1	23.31	24.00	1.172	-	-	-0.03	0.273	0.320



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n14	10M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	158600	793	1	23.31	24.00	1.172	-	-	0.05	0.162	0.190
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	158600	793	1	23.25	24.00	1.189	-	-	0.04	0.348	0.414
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	158600	793	1	23.25	24.00	1.189	-	-	-0.19	0.233	0.277
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	158600	793	1	23.25	24.00	1.189	-	-	0.15	0.296	0.352
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	158600	793	1	23.25	24.00	1.189	-	-	0.12	0.187	0.222
07	FR1 n14	10M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	158600	793	1	23.17	24.00	1.211	-	-	0.06	0.608	0.736
	FR1 n14	10M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	158600	793	1	23.17	24.00	1.211	-	-	-0.06	0.572	0.692
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	158600	793	1	23.17	24.00	1.211	-	-	0.09	0.434	0.525
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	158600	793	1	23.17	24.00	1.211	-	-	-0.16	0.396	0.479
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	158600	793	1	23.12	24.00	1.225	-	-	-0.01	0.598	0.732
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	158600	793	1	23.12	24.00	1.225	-	-	0.05	0.521	0.638
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	158600	793	1	23.12	24.00	1.225	-	-	0.04	0.420	0.514
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	158600	793	1	23.12	24.00	1.225	-	-	-0.13	0.405	0.496
835MHZ																					
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	189	836.4	1	30.85	31.50	1.161	-	-	-0.02	0.335	0.389
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	189	836.4	1	30.85	31.50	1.161	-	-	-0.08	0.194	0.225
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	189	836.4	1	30.85	31.50	1.161	-	-	0.1	0.286	0.332
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	189	836.4	1	30.85	31.50	1.161	-	-	0.04	0.150	0.174
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	128	824.2	1	30.66	31.50	1.213	-	-	-0.05	0.336	0.408
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	251	848.8	1	30.59	31.50	1.233	-	-	0.16	0.281	0.347
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 4	DSI 2	189	836.4	1	29.67	30.50	1.211	-	-	-0.1	0.694	0.840
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 4	DSI 2	189	836.4	1	29.67	30.50	1.211	-	-	0.1	0.630	0.763
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 4	DSI 2	189	836.4	1	29.67	30.50	1.211	-	-	-0.06	0.522	0.632
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 4	DSI 2	189	836.4	1	29.67	30.50	1.211	-	-	0.18	0.467	0.565
08	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 4	DSI 2	128	824.2	1	29.42	30.50	1.282	-	-	0.1	0.864	1.108
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 4	DSI 2	251	848.8	1	29.26	30.50	1.330	-	-	-0.15	0.632	0.841
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 4	DSI 2 Sim	128	824.2	1	28.32	29.00	1.169	-	-	0.06	0.649	0.759
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	1	23.45	24.00	1.135	-	-	-0.03	0.472	0.536
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	4182	836.4	1	23.45	24.00	1.135	-	-	0.08	0.309	0.351
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	4182	836.4	1	23.45	24.00	1.135	-	-	0.08	0.401	0.455
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	4182	836.4	1	23.45	24.00	1.135	-	-	0.13	0.232	0.263
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4132	826.4	1	23.39	24.00	1.151	-	-	0.18	0.475	0.547
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4233	846.6	1	23.42	24.00	1.143	-	-	0.05	0.440	0.503
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	4182	836.4	1	22.10	23.10	1.259	-	-	-0.16	0.757	0.953
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	4182	836.4	1	22.10	23.10	1.259	-	-	-0.07	0.692	0.871
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	4182	836.4	1	22.10	23.10	1.259	-	-	-0.11	0.580	0.730
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI 2	4182	836.4	1	22.10	23.10	1.259	-	-	-0.02	0.546	0.687
09	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	4132	826.4	1	22.01	23.10	1.285	-	-	-0.11	0.855	1.099
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	4233	846.6	1	22.08	23.10	1.265	-	-	0.13	0.812	1.027
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	4132	826.4	1	22.01	23.10	1.285	-	-	0.15	0.613	0.788
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	4233	846.6	1	22.08	23.10	1.265	-	-	-0.02	0.645	0.816
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2 Sim	4132	826.4	1	20.64	21.50	1.219	-	-	0.11	0.642	0.783
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	1	23.13	24.00	1.222	-	-	0.16	0.457	0.558
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	1	23.13	24.00	1.222	-	-	0.18	0.300	0.367
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	1	23.13	24.00	1.222	-	-	0.1	0.409	0.500
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	1	23.13	24.00	1.222	-	-	0.09	0.239	0.292
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	26765	821.5	1	23.04	24.00	1.247	-	-	-0.08	0.447	0.558
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	26965	841.5	1	23.01	24.00	1.256	-	-	-0.19	0.458	0.575
	LTE Band 5B	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	20575 20476	841.5 831.6	1	22.93	24.00	1.279	-	-	0.05	0.403	0.516
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	1	22.19	23.00	1.205	-	-	-0.18	0.244	0.294
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	1	22.19	23.00	1.205	-	-	0.03	0.160	0.193
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	1	22.19	23.00	1.205	-	-	-0.05	0.193	0.233
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	1	22.19	23.00	1.205	-	-	0.02	0.123	0.148
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	26865	831.5	1	21.34	22.70	1.368	-	-	-0.18	0.722	0.988
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	26865	831.5	1	21.34	22.70	1.368	-	-	-0.07	0.643	0.879
	LTE Band 26	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	26865	831.5	1	21.34	22.70	1.368	-	-	0.09	0.491	0.672
	LTE Band 26	15M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	26865	831.5	1	21.34	22.70	1.368	-	-	0.16	0.504	0.689



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	26765	821.5	1	21.06	22.70	1.459	-	-	-0.04	0.752	1.097
10	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	26965	841.5	1	21.19	22.70	1.416	-	-	-0.03	0.782	1.107
	LTE Band 5B	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	20575 20476	841.5 831.6	1	21.14	22.70	1.432	-	-	0.05	0.645	0.924
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	26765	821.5	1	21.06	22.70	1.459	-	-	-0.05	0.603	0.880
	LTE Band 26	15M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	26965	841.5	1	21.19	22.70	1.416	-	-	0.02	0.534	0.756
	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2 Sim	26965	841.5	1	20.26	21.50	1.330	-	-	0.15	0.693	0.922
	LTE Band 5B	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2 Sim	20575 20476	841.5 831.6	1	20.31	21.50	1.315	-	-	0.15	0.537	0.706
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 4	DSI 2	26865	831.5	1	21.28	22.70	1.387	-	-	-0.01	0.712	0.987
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 4	DSI 2	26865	831.5	1	21.28	22.70	1.387	-	-	0.02	0.637	0.883
	LTE Band 26	15M	QPSK	36	0	-	Left Cheek	0mm	Ant 4	DSI 2	26865	831.5	1	21.28	22.70	1.387	-	-	0.06	0.495	0.686
	LTE Band 26	15M	QPSK	36	0	-	Left Tilted	0mm	Ant 4	DSI 2	26865	831.5	1	21.28	22.70	1.387	-	-	-0.11	0.504	0.699
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 4	DSI 2	26765	821.5	1	21.13	22.70	1.435	-	-	0.09	0.767	1.101
	LTE Band 26	15M	QPSK	36	0	-	Right Cheek	0mm	Ant 4	DSI 2	26965	841.5	1	21.10	22.70	1.445	-	-	0.16	0.741	1.071
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 4	DSI 2	26765	821.5	1	21.13	22.70	1.435	-	-	0.17	0.603	0.866
	LTE Band 26	15M	QPSK	36	0	-	Right Tilted	0mm	Ant 4	DSI 2	26965	841.5	1	21.10	22.70	1.445	-	-	-0.19	0.574	0.830
	LTE Band 26	15M	QPSK	75	0	-	Right Cheek	0mm	Ant 4	DSI 2	26865	831.5	1	21.18	22.70	1.419	-	-	-0.17	0.695	0.986
	LTE Band 26	15M	QPSK	75	0	-	Right Tilted	0mm	Ant 4	DSI 2	26865	831.5	1	21.18	22.70	1.419	-	-	0.08	0.606	0.860
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	166300	831.5	1	23.23	24.00	1.194	-	-	-0.13	0.322	0.384
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	166300	831.5	1	23.23	24.00	1.194	-	-	-0.14	0.198	0.236
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	166300	831.5	1	23.23	24.00	1.194	-	-	0.06	0.270	0.322
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	166300	831.5	1	23.23	24.00	1.194	-	-	-0.09	0.164	0.196
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	166300	831.5	1	23.03	24.00	1.250	-	-	-0.19	0.315	0.394
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	166300	831.5	1	23.03	24.00	1.250	-	-	-0.02	0.182	0.228
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	166300	831.5	1	23.03	24.00	1.250	-	-	0.09	0.268	0.335
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	166300	831.5	1	23.03	24.00	1.250	-	-	0.02	0.148	0.185
11	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	166300	831.5	1	23.00	23.50	1.122	-	-	-0.12	1.030	1.156
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	166300	831.5	1	23.00	23.50	1.122	-	-	-0.01	0.813	0.912
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	166300	831.5	1	23.00	23.50	1.122	-	-	-0.07	0.746	0.837
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	166300	831.5	1	23.00	23.50	1.122	-	-	-0.02	0.693	0.778
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2 Sim	166300	831.5	1	21.91	22.50	1.146	-	-	-0.01	0.834	0.955
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	166300	831.5	1	22.82	23.50	1.169	-	-	0.17	0.891	1.042
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	166300	831.5	1	22.82	23.50	1.169	-	-	-0.18	0.727	0.850
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	166300	831.5	1	22.82	23.50	1.169	-	-	-0.15	0.676	0.791
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	166300	831.5	1	22.82	23.50	1.169	-	-	0.02	0.624	0.730
	FR1 n26	20M	QPSK	100	0	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	166300	831.5	1	21.75	23.00	1.334	-	-	-0.14	0.801	1.068
	FR1 n26	20M	QPSK	100	0	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	166300	831.5	1	21.75	23.00	1.334	-	-	0.16	0.707	0.943
	FR1 n26	20M	QPSK	100	0	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	166300	831.5	1	21.75	23.00	1.334	-	-	0.16	0.590	0.787
1750MHZ																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	1413	1732.6	1	23.47	24.00	1.130	-	-	0.02	0.289	0.327
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	1413	1732.6	1	23.47	24.00	1.130	-	-	-0.11	0.226	0.255
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	1413	1732.6	1	23.47	24.00	1.130	-	-	-0.12	0.200	0.226
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	1413	1732.6	1	23.47	24.00	1.130	-	-	-0.16	0.175	0.198
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	1312	1712.4	1	23.44	24.00	1.138	-	-	0.18	0.283	0.322
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	1513	1752.6	1	23.44	24.00	1.138	-	-	0.16	0.226	0.257
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	1413	1732.6	1	19.35	20.00	1.161	-	-	0.13	0.395	0.459
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	1413	1732.6	1	19.35	20.00	1.161	-	-	0.11	0.498	0.578
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	1413	1732.6	1	19.35	20.00	1.161	-	-	0.03	0.304	0.353
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI 2	1413	1732.6	1	19.35	20.00	1.161	-	-	0.16	0.371	0.431
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	1312	1712.4	1	19.10	20.00	1.230	-	-	-0.04	0.502	0.618
12	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	1513	1752.6	1	19.24	20.00	1.191	-	-	-0.16	0.867	1.033
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2 Sim	1513	1752.6	1	18.37	19.00	1.156	-	-	0.13	0.702	0.812
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	132322	1745	1	23.38	24.00	1.153	-	-	0.08	0.227	0.262
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	132322	1745	1	23.38	24.00	1.153	-	-	0.14	0.169	0.195
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	132322	1745	1	23.38	24.00	1.153	-	-	0.18	0.169	0.195
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	132322	1745	1	23.38	24.00	1.153	-	-	-0.15	0.149	0.172
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	132072	1720	1	23.14	24.00	1.219	-	-	-0.17	0.248	0.302
	LTE Band 66B	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	132597 132504	1772.5 1763.2	1	23.04	24.00	1.247	-	-	0.05	0.192	0.239



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 66C	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	132572 132374	1770 1750.2	1	22.93	24.00	1.279	-	-	0.05	0.184	0.235
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	132572	1770	1	23.26	24.00	1.186	-	-	-0.01	0.192	0.228
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	132322	1745	1	22.33	23.00	1.167	-	-	-0.17	0.130	0.152
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	132322	1745	1	22.33	23.00	1.167	-	-	-0.05	0.092	0.107
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	132322	1745	1	22.33	23.00	1.167	-	-	-0.19	0.097	0.113
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	132322	1745	1	22.33	23.00	1.167	-	-	-0.01	0.082	0.096
	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	132322	1745	1	19.46	20.00	1.132	-	-	0.19	0.412	0.467
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	132322	1745	1	19.46	20.00	1.132	-	-	0.12	0.795	0.900
	LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	132322	1745	1	19.46	20.00	1.132	-	-	0.16	0.297	0.336
	LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	132322	1745	1	19.46	20.00	1.132	-	-	0.18	0.336	0.380
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	132072	1720	1	19.35	20.00	1.161	-	-	0.12	0.465	0.540
13	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	132572	1770	1	19.18	20.00	1.208	-	-	0.07	0.908	1.097
	LTE Band 66B	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	132322 132229	1745 1735.7	1	19.24	20.00	1.191	-	-	0.05	0.515	0.613
	LTE Band 66C	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	132322 132124	1745 1725.2	1	19.26	20.00	1.186	-	-	0.05	0.527	0.625
	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2 Sim	132322 132229	1745 1735.7	1	18.17	19.00	1.211	-	-	-0.18	0.700	0.847
	LTE Band 66B	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2 Sim	132322 132229	1745 1735.7	1	18.31	19.00	1.172	-	-	0.05	0.413	0.484
	LTE Band 66C	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2 Sim	132322 132124	1745 1725.2	1	18.23	19.00	1.194	-	-	0.05	0.432	0.516
	LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	132322	1745	1	19.33	20.00	1.167	-	-	0.08	0.426	0.497
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	132322	1745	1	19.33	20.00	1.167	-	-	-0.03	0.763	0.890
	LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 2	132322	1745	1	19.33	20.00	1.167	-	-	0.01	0.304	0.355
	LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI 2	132322	1745	1	19.33	20.00	1.167	-	-	0.16	0.347	0.405
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	132072	1720	1	19.22	20.00	1.197	-	-	0.16	0.769	0.920
	LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	132572	1770	1	19.32	20.00	1.169	-	-	0.04	0.763	0.892
	LTE Band 66	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DSI 2	132322	1745	1	19.28	20.00	1.180	-	-	0.09	0.612	0.722
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	340500	1702.5	1	23.38	24.00	1.153	-	-	-0.18	0.192	0.221
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	340500	1702.5	1	23.38	24.00	1.153	-	-	-0.14	0.103	0.119
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	340500	1702.5	1	23.38	24.00	1.153	-	-	0.06	0.133	0.153
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	340500	1702.5	1	23.38	24.00	1.153	-	-	-0.08	0.104	0.120
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	340500	1702.5	1	23.27	24.00	1.183	-	-	0.08	0.188	0.222
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	340500	1702.5	1	23.27	24.00	1.183	-	-	0.14	0.104	0.123
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	340500	1702.5	1	23.27	24.00	1.183	-	-	0.09	0.136	0.161
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	340500	1702.5	1	23.27	24.00	1.183	-	-	-0.14	0.106	0.125
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	340500	1702.5	1	20.42	21.00	1.143	-	-	0.09	0.500	0.571
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	340500	1702.5	1	20.42	21.00	1.143	-	-	0.06	0.563	0.643
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	340500	1702.5	1	20.42	21.00	1.143	-	-	0.14	0.330	0.377
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	340500	1702.5	1	20.42	21.00	1.143	-	-	0.1	0.413	0.472
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	340500	1702.5	1	20.40	21.00	1.148	-	-	0.09	0.489	0.561
14	FR1 n70	15M	QPSK	36	22	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	340500	1702.5	1	20.40	21.00	1.148	-	-	-0.06	0.946	1.086
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	340500	1702.5	1	20.40	21.00	1.148	-	-	0.11	0.345	0.396
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	340500	1702.5	1	20.40	21.00	1.148	-	-	0.09	0.445	0.511
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Tilted	0mm	Ant 4	DSI 2 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	0.16	0.741	0.869
	FR1 n70	15M	QPSK	75	0	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	340500	1702.5	1	20.37	21.00	1.156	-	-	-0.19	0.559	0.646
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	349000	1745	1	23.39	24.00	1.151	-	-	0.09	0.160	0.184
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	349000	1745	1	23.39	24.00	1.151	-	-	0.11	0.128	0.147
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	349000	1745	1	23.39	24.00	1.151	-	-	-0.07	0.123	0.142
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	349000	1745	1	23.39	24.00	1.151	-	-	-0.06	0.105	0.121
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	349000	1745	1	23.34	24.00	1.164	-	-	-0.01	0.152	0.177
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	349000	1745	1	23.34	24.00	1.164	-	-	0.02	0.112	0.130
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	349000	1745	1	23.34	24.00	1.164	-	-	0.04	0.114	0.133
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	349000	1745	1	23.34	24.00	1.164	-	-	0.18	0.099	0.115
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	349000	1745	1	19.23	20.00	1.194	-	-	-0.19	0.449	0.536
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	349000	1745	1	19.23	20.00	1.194	-	-	0.03	0.516	0.616
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	349000	1745	1	19.23	20.00	1.194	-	-	0.15	0.334	0.399
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	349000	1745	1	19.23	20.00	1.194	-	-	-0.15	0.412	0.492
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	349000	1745	1	18.92	20.00	1.282	-	-	-0.11	0.491	0.630
15	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	349000	1745	1	18.92	20.00	1.282	-	-	0.07	0.975	1.250
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	349000	1745	2	18.92	20.00	1.282	-	-	0.01	0.619	0.794



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n66	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	349000	1745	1	18.92	20.00	1.282	-	-	0.05	0.355	0.455
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	349000	1745	1	18.92	20.00	1.282	-	-	0.04	0.428	0.549
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2 Sim	349000	1745	1	17.99	19.00	1.262	-	-	0.13	0.781	0.985
	FR1 n66	40M	QPSK	216	0	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	349000	1745	1	18.93	20.00	1.279	-	-	0.13	0.590	0.755
1900 MHZ																					
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	810	1909.8	1	27.91	28.50	1.146	-	-	-	n/a	n/a
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	810	1909.8	1	27.91	28.50	1.146	-	-	-	n/a	n/a
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	810	1909.8	1	27.91	28.50	1.146	-	-	-0.1	0.051	0.058
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	810	1909.8	1	27.91	28.50	1.146	-	-	-	n/a	n/a
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	512	1850.2	1	27.62	28.50	1.225	-	-	0.11	0.050	0.061
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	661	1880	1	27.85	28.50	1.161	-	-	-0.07	0.041	0.048
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 4	DSI 2	810	1909.8	1	21.56	23.00	1.393	-	-	-0.13	0.513	0.715
16	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 4	DSI 2	810	1909.8	1	21.56	23.00	1.393	-	-	0.11	0.807	1.124
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 4	DSI 2	810	1909.8	1	21.56	23.00	1.393	-	-	0.06	0.301	0.419
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 4	DSI 2	810	1909.8	1	21.56	23.00	1.393	-	-	0.01	0.372	0.518
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 4	DSI 2	512	1850.2	1	21.55	23.00	1.396	-	-	0.01	0.317	0.443
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 4	DSI 2	661	1880	1	21.54	23.00	1.400	-	-	-0.02	0.412	0.577
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 4	DSI 2 Sim	810	1909.8	1	20.52	22.00	1.406	-	-	-0.18	0.652	0.917
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	9400	1880	1	23.30	24.00	1.175	-	-	0.08	0.104	0.122
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	9400	1880	1	23.30	24.00	1.175	-	-	0.02	0.104	0.122
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	9400	1880	1	23.30	24.00	1.175	-	-	-0.03	0.140	0.164
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	9400	1880	1	23.30	24.00	1.175	-	-	-0.05	0.098	0.115
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	9262	1852.4	1	23.27	24.00	1.183	-	-	0.19	0.130	0.154
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	9538	1907.6	1	23.24	24.00	1.191	-	-	0.09	0.119	0.142
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI 2	9400	1880	1	15.73	16.50	1.194	-	-	-0.11	0.454	0.542
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	9400	1880	1	15.73	16.50	1.194	-	-	0.17	0.567	0.677
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI 2	9400	1880	1	15.73	16.50	1.194	-	-	0.02	0.343	0.410
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI 2	9400	1880	1	15.73	16.50	1.194	-	-	0.03	0.407	0.486
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	9262	1852.4	1	15.71	16.50	1.199	-	-	-0.13	0.542	0.650
17	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2	9538	1907.6	1	15.53	16.50	1.250	-	-	0.14	0.897	1.121
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 2 Sim	9538	1907.6	1	14.58	15.50	1.236	-	-	-0.16	0.725	0.896
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	26340	1880	1	23.35	24.00	1.161	-	-	0.01	0.067	0.078
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	26340	1880	1	23.35	24.00	1.161	-	-	-0.04	0.071	0.082
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	26340	1880	1	23.35	24.00	1.161	-	-	0.17	0.112	0.130
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	26340	1880	1	23.35	24.00	1.161	-	-	-0.12	0.062	0.072
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	26140	1860	1	23.27	24.00	1.183	-	-	-0.07	0.114	0.135
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	26590	1905	1	23.23	24.00	1.194	-	-	0.07	0.109	0.130
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	26340	1880	1	22.26	23.00	1.186	-	-	-	n/a	n/a
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	26340	1880	1	22.26	23.00	1.186	-	-	-	n/a	n/a
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	26340	1880	1	22.26	23.00	1.186	-	-	-0.06	0.062	0.074
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	26340	1880	1	22.26	23.00	1.186	-	-	-	n/a	n/a
	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	26340	1880	1	15.53	17.00	1.403	-	-	0.11	0.413	0.579
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	26340	1880	1	15.53	17.00	1.403	-	-	0.16	0.667	0.936
	LTE Band 25	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	26340	1880	1	15.53	17.00	1.403	-	-	0.1	0.292	0.410
	LTE Band 25	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	26340	1880	1	15.53	17.00	1.403	-	-	0.19	0.343	0.481
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	26140	1860	1	15.52	17.00	1.406	-	-	-0.17	0.611	0.859
18	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	26590	1905	1	15.45	17.00	1.429	-	-	-0.08	0.761	1.087
	LTE Band 25	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2 Sim	26590	1905	1	13.83	15.50	1.469	-	-	0.18	0.612	0.899
	LTE Band 25	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	26340	1880	1	15.41	17.00	1.442	-	-	0.12	0.442	0.637
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	26340	1880	1	15.41	17.00	1.442	-	-	-0.05	0.580	0.836
	LTE Band 25	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 2	26340	1880	1	15.41	17.00	1.442	-	-	-0.02	0.306	0.441
	LTE Band 25	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI 2	26340	1880	1	15.41	17.00	1.442	-	-	0.08	0.361	0.521
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	26140	1860	1	15.32	17.00	1.472	-	-	-0.14	0.634	0.933
	LTE Band 25	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	26590	1905	1	15.23	17.00	1.503	-	-	0.14	0.652	0.980
	LTE Band 25	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DSI 2	26340	1880	1	15.39	17.00	1.449	-	-	0.14	0.660	0.956
	FR1 n25	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	376500	1882.5	1	23.39	24.00	1.151	-	-	0.08	0.064	0.074
	FR1 n25	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	376500	1882.5	1	23.39	24.00	1.151	-	-	-0.06	0.059	0.068



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n25	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	376500	1882.5	1	23.39	24.00	1.151	-	-	0.12	0.091	0.105
	FR1 n25	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	376500	1882.5	1	23.39	24.00	1.151	-	-	-0.02	0.054	0.062
	FR1 n25	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	376500	1882.5	1	23.27	24.00	1.183	-	-	0.06	0.066	0.078
	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	376500	1882.5	1	23.27	24.00	1.183	-	-	-0.06	0.054	0.064
	FR1 n25	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	376500	1882.5	1	23.27	24.00	1.183	-	-	-0.02	0.086	0.102
	FR1 n25	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	376500	1882.5	1	23.27	24.00	1.183	-	-	0.15	0.053	0.063
	FR1 n25	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	376500	1882.5	1	16.14	16.50	1.086	-	-	-0.04	0.585	0.636
	FR1 n25	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	376500	1882.5	1	16.14	16.50	1.086	-	-	0.1	0.921	1.001
	FR1 n25	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	376500	1882.5	1	16.14	16.50	1.086	-	-	0.03	0.377	0.410
	FR1 n25	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	376500	1882.5	1	16.14	16.50	1.086	-	-	0.19	0.428	0.465
	FR1 n25	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	376500	1882.5	1	16.04	16.50	1.112	-	-	0.12	0.632	0.703
19	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	376500	1882.5	1	16.04	16.50	1.112	-	-	0.16	0.936	1.041
	FR1 n25	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	376500	1882.5	1	16.04	16.50	1.112	-	-	0.06	0.403	0.448
	FR1 n25	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	376500	1882.5	1	16.04	16.50	1.112	-	-	-0.17	0.472	0.525
	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2 Sim	376500	1882.5	1	14.75	15.50	1.189	-	-	-0.03	0.794	0.944
	FR1 n25	40M	QPSK	216	0	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	376500	1882.5	1	15.98	16.50	1.127	-	-	0.12	0.883	0.995
2300MHZ																					
	LTE Band 30	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	27710	2310	1	23.41	24.00	1.146	-	-	0.08	0.165	0.189
	LTE Band 30	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	27710	2310	1	23.41	24.00	1.146	-	-	0.04	0.123	0.141
	LTE Band 30	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	27710	2310	1	23.41	24.00	1.146	-	-	0.05	0.260	0.298
	LTE Band 30	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	27710	2310	1	23.41	24.00	1.146	-	-	-0.17	0.084	0.096
	LTE Band 30	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 1	DSI 2	27710	2310	1	22.53	23.00	1.114	-	-	-0.19	0.113	0.126
	LTE Band 30	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 1	DSI 2	27710	2310	1	22.53	23.00	1.114	-	-	0.06	0.084	0.094
	LTE Band 30	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 1	DSI 2	27710	2310	1	22.53	23.00	1.114	-	-	0.06	0.159	0.177
	LTE Band 30	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 1	DSI 2	27710	2310	1	22.53	23.00	1.114	-	-	-0.14	0.057	0.064
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	27710	2310	1	15.01	15.50	1.119	-	-	0.02	0.530	0.593
20	LTE Band 30_ENDC	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	27710	2310	1	15.01	15.50	1.119	-	-	0.09	0.985	1.103
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	27710	2310	1	15.01	15.50	1.119	-	-	0.11	0.378	0.423
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	27710	2310	1	15.01	15.50	1.119	-	-	0.09	0.401	0.449
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2 Sim	27710	2310	1	13.95	14.50	1.135	-	-	0.18	0.772	0.876
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 4	DSI 2	27710	2310	1	14.99	15.50	1.125	-	-	0.05	0.511	0.575
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 4	DSI 2	27710	2310	1	14.99	15.50	1.125	-	-	-0.14	0.632	0.711
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 4	DSI 2	27710	2310	1	14.99	15.50	1.125	-	-	0.02	0.343	0.386
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 4	DSI 2	27710	2310	1	14.99	15.50	1.125	-	-	-0.13	0.389	0.437
	LTE Band 30_ENDC	10M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	27710	2310	1	14.84	15.50	1.164	-	-	-0.19	0.599	0.697
	FR1 n30	10M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	462000	2310	1	23.39	24.00	1.151	-	-	0.12	0.134	0.154
	FR1 n30	10M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	462000	2310	1	23.39	24.00	1.151	-	-	0.16	0.099	0.114
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	462000	2310	1	23.39	24.00	1.151	-	-	0.05	0.314	0.361
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	462000	2310	1	23.39	24.00	1.151	-	-	0.18	0.079	0.091
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	462000	2310	1	23.25	24.00	1.189	-	-	0.04	0.134	0.159
	FR1 n30	10M	QPSK	25	14	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	462000	2310	1	23.25	24.00	1.189	-	-	0.15	0.105	0.125
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	462000	2310	1	23.25	24.00	1.189	-	-	0.16	0.213	0.253
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	462000	2310	1	23.25	24.00	1.189	-	-	0.04	0.074	0.088
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	462000	2310	1	15.24	16.00	1.191	-	-	0.1	0.506	0.603
21	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	462000	2310	1	15.24	16.00	1.191	-	-	0.14	0.955	1.138
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	462000	2310	1	15.24	16.00	1.191	-	-	-0.16	0.359	0.428
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	462000	2310	1	15.24	16.00	1.191	-	-	0.15	0.401	0.478
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2 Sim	462000	2310	1	14.35	15.00	1.161	-	-	-0.04	0.755	0.877
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	462000	2310	1	14.99	16.00	1.262	-	-	-0.15	0.531	0.670
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	462000	2310	1	14.99	16.00	1.262	-	-	0.15	0.732	0.924
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	462000	2310	1	14.99	16.00	1.262	-	-	0.18	0.420	0.530
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	462000	2310	1	14.99	16.00	1.262	-	-	0.06	0.434	0.548
	FR1 n30_ENDC	10M	QPSK	50	0	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	462000	2310	1	14.97	16.00	1.268	-	-	-0.15	0.661	0.838
2600MHZ																					
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	1	21.08	22.00	1.236	-	-	-0.14	0.251	0.310
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	21.08	22.00	1.236	-	-	-0.01	0.212	0.262
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	1	21.08	22.00	1.236	-	-	0.08	0.384	0.475
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	1	21.08	22.00	1.236	-	-	0.11	0.113	0.140



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	20850	2510	1	21.06	22.00	1.242	-	-	-0.14	0.395	0.490
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	21350	2560	1	21.06	22.00	1.242	-	-	0.08	0.546	0.678
	LTE Band 7C	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	21350 21152	2560 2540.2	1	20.89	22.00	1.291	-	-	0.05	0.389	0.502
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	1	20.90	22.00	1.288	-	-	-0.18	0.168	0.216
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	20.90	22.00	1.288	-	-	-0.06	0.139	0.179
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	1	20.90	22.00	1.288	-	-	-0.08	0.252	0.325
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	1	20.90	22.00	1.288	-	-	0.19	0.076	0.098
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	DSI 2	21100	2535	1	14.87	16.00	1.297	-	-	-0.02	0.400	0.519
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	21100	2535	1	14.87	16.00	1.297	-	-	0.14	0.720	0.934
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 4	DSI 2	21100	2535	1	14.87	16.00	1.297	-	-	-0.08	0.271	0.352
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	DSI 2	21100	2535	1	14.87	16.00	1.297	-	-	-0.17	0.329	0.427
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	20850	2510	1	14.81	16.00	1.315	-	-	-0.02	0.532	0.700
22	LTE Band 7_ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2	21350	2560	1	14.86	16.00	1.300	-	-	0.05	0.836	1.087
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	DSI 2 Sim	21350	2560	1	13.78	15.00	1.324	-	-	0.14	0.751	0.995
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 4	DSI 2	21100	2535	1	14.83	16.00	1.309	-	-	-0.03	0.379	0.496
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	21100	2535	1	14.83	16.00	1.309	-	-	0.04	0.782	1.024
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 4	DSI 2	21100	2535	1	14.83	16.00	1.309	-	-	-0.14	0.274	0.359
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 4	DSI 2	21100	2535	1	14.83	16.00	1.309	-	-	-0.12	0.391	0.512
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	20850	2510	1	14.72	16.00	1.343	-	-	-0.1	0.800	1.074
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSI 2	21350	2560	1	14.82	16.00	1.312	-	-	-0.04	0.703	0.922
	LTE Band 7_ENDC	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 4	DSI 2	21100	2535	1	14.81	16.00	1.315	-	-	-0.03	0.693	0.911
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	41490	2680	1	22.85	23.50	1.161	62.9	1.006	-0.04	0.158	0.185
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	41490	2680	1	22.85	23.50	1.161	62.9	1.006	0.17	0.166	0.194
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	41490	2680	1	22.85	23.50	1.161	62.9	1.006	0.01	0.265	0.310
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	41490	2680	1	22.85	23.50	1.161	62.9	1.006	-0.1	0.089	0.104
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	39750	2506	1	22.59	23.50	1.233	62.9	1.006	0.05	0.220	0.273
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	40185	2549.5	1	22.62	23.50	1.225	62.9	1.006	-0.08	0.253	0.312
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	40620	2593	1	22.68	23.50	1.208	62.9	1.006	-0.07	0.416	0.505
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	41490 41292	2593 2660.2	1	22.47	23.50	1.268	62.9	1.006	0.05	0.283	0.361
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	41055	2636.5	1	22.74	23.50	1.191	62.9	1.006	-0.09	0.324	0.388
23	LTE Band 41_PC2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	40620	2593	1	23.92	25.10	1.312	42.9	1.009	0.14	0.496	0.657
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	41490	2680	1	21.92	22.50	1.143	62.9	1.006	0.11	0.101	0.116
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	41490	2680	1	21.92	22.50	1.143	62.9	1.006	-0.02	0.099	0.114
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	41490	2680	1	21.92	22.50	1.143	62.9	1.006	-0.06	0.168	0.193
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	41490	2680	1	21.92	22.50	1.143	62.9	1.006	-0.1	0.056	0.064
	LTE Band 41	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 1	DSI 2	41490	2680	1	21.88	22.50	1.153	62.9	1.006	0.08	0.168	0.195
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	1	21.25	22.00	1.189	-	-	-0.08	0.240	0.285
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	1	21.25	22.00	1.189	-	-	0.02	0.223	0.265
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	1	21.25	22.00	1.189	-	-	0.05	0.515	0.612
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	1	21.25	22.00	1.189	-	-	-0.01	0.119	0.141
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	1	20.96	22.00	1.271	-	-	0.08	0.266	0.338
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	1	20.96	22.00	1.271	-	-	0.11	0.223	0.283
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	1	20.96	22.00	1.271	-	-	0.19	0.411	0.522
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	1	20.96	22.00	1.271	-	-	0.16	0.129	0.164
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	1	15.87	16.50	1.156	-	-	0.01	0.684	0.791
24	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	1	15.87	16.50	1.156	-	-	0.07	1.020	1.179
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	507000	2535	1	15.87	16.50	1.156	-	-	0.19	0.463	0.535
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	507000	2535	1	15.87	16.50	1.156	-	-	0.12	0.549	0.635
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2 Sim	507000	2535	1	14.72	15.50	1.197	-	-	0.14	0.790	0.945
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	1	15.83	16.50	1.167	-	-	0.14	0.627	0.732
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	1	15.83	16.50	1.167	-	-	-0.07	0.803	0.937
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	507000	2535	1	15.83	16.50	1.167	-	-	0.18	0.453	0.529
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	507000	2535	1	15.83	16.50	1.167	-	-	-0.06	0.570	0.665
	FR1 n7_ENDC	40M	QPSK	216	0	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	1	15.71	16.50	1.199	-	-	-0.18	0.777	0.932
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	1	20.01	21.00	1.256	-	-	0.08	0.247	0.310
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	1	20.01	21.00	1.256	-	-	-0.04	0.181	0.227
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	1	20.01	21.00	1.256	-	-	0.05	0.360	0.452



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n41	100M	QPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	518598	2592.99	1	20.01	21.00	1.256	-	-	0.05	0.113	0.142
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	1	19.82	21.00	1.312	-	-	-0.16	0.258	0.339
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	1	19.82	21.00	1.312	-	-	-0.15	0.197	0.259
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	1	19.82	21.00	1.312	-	-	-0.04	0.369	0.484
	FR1 n41_PC2	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	1	22.67	24.00	1.358	50	1.000	0.17	0.582	0.791
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	518598	2592.99	1	19.82	21.00	1.312	-	-	-0.05	0.111	0.146
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	518598	2592.99	1	21.91	23.00	1.285	-	-	0.05	0.160	0.206
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	518598	2592.99	1	24.90	26.00	1.288	50	1.000	-0.16	0.152	0.196
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	518598	2592.99	1	21.91	23.00	1.285	-	-	0.11	0.066	0.085
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	518598	2592.99	1	21.91	23.00	1.285	-	-	0.17	0.065	0.084
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	518598	2592.99	1	21.91	23.00	1.285	-	-	-0.1	0.056	0.072
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	518598	2592.99	1	21.70	23.00	1.349	-	-	-0.14	0.143	0.193
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	518598	2592.99	1	21.70	23.00	1.349	-	-	-0.12	0.073	0.098
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	518598	2592.99	1	21.70	23.00	1.349	-	-	0.12	0.061	0.082
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	518598	2592.99	1	21.70	23.00	1.349	-	-	0.15	0.056	0.076
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	16.32	17.00	1.169	-	-	0.08	0.563	0.658
25	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	16.32	17.00	1.169	-	-	0.17	1.070	1.251
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	2	16.32	17.00	1.169	-	-	0.04	0.982	1.148
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	18.94	20.00	1.276	50	1.000	0.05	0.928	1.185
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	16.32	17.00	1.169	-	-	0.17	0.395	0.462
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	16.32	17.00	1.169	-	-	-0.17	0.523	0.612
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI 2 Sim	518598	2592.99	1	15.53	16.00	1.114	-	-	-0.09	0.884	0.985
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	16.05	17.00	1.245	-	-	0.09	0.643	0.800
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	16.05	17.00	1.245	-	-	0.16	0.843	1.049
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	16.05	17.00	1.245	-	-	0.15	0.391	0.487
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	16.05	17.00	1.245	-	-	0.02	0.494	0.615
	FR1 n41	100M	QPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	15.67	17.00	1.358	-	-	-0.02	0.552	0.750
	FR1 n41	100M	QPSK	270	0	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	15.67	17.00	1.358	-	-	0.14	0.860	1.168
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Cheek	0mm	Ant 7	DSI 2	518598	2592.99	1	21.09	22.00	1.233	-	-	-0.15	0.317	0.391
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 7	DSI 2	518598	2592.99	1	21.09	22.00	1.233	-	-	-0.15	0.216	0.266
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 7	DSI 2	518598	2592.99	1	21.09	22.00	1.233	-	-	0.01	0.608	0.750
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 7	DSI 2	518598	2592.99	1	24.25	25.00	1.189	50	1.000	-0.05	0.584	0.694
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Tilted	0mm	Ant 7	DSI 2	518598	2592.99	1	21.09	22.00	1.233	-	-	-0.18	0.348	0.429
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DSI 2	518598	2592.99	1	20.88	22.00	1.294	-	-	0.05	0.233	0.302
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DSI 2	518598	2592.99	1	20.88	22.00	1.294	-	-	-0.13	0.209	0.270
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DSI 2	518598	2592.99	1	20.88	22.00	1.294	-	-	-0.03	0.549	0.711
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DSI 2	518598	2592.99	1	20.88	22.00	1.294	-	-	-0.15	0.362	0.468
3000-4000MHZ																					
	LTE Band 48	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 5	DSI 2	55340	3560	1	20.26	21.00	1.186	62.9	1.006	0.03	0.326	0.389
	LTE Band 48	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 2	55340	3560	1	20.26	21.00	1.186	62.9	1.006	0.15	0.309	0.369
26	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	55340	3560	1	20.26	21.00	1.186	62.9	1.006	-0.01	0.852	1.016
	LTE Band 48C	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	55830 55632	3609 3589.2	1	20.25	21.00	1.189	62.9	1.006	0.05	0.653	0.781
	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 2	55340	3560	1	20.26	21.00	1.186	62.9	1.006	-0.07	0.502	0.599
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	55830	3609	1	20.17	21.00	1.211	62.9	1.006	0.01	0.729	0.888
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	56150	3641	1	20.22	21.00	1.197	62.9	1.006	0.13	0.688	0.828
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	56640	3690	1	20.14	21.00	1.219	62.9	1.006	0.18	0.685	0.840
	LTE Band 48	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2 Sim	55340	3560	1	19.26	20.00	1.186	62.9	1.006	-0.15	0.792	0.945
	LTE Band 48C	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2 Sim	55830 55632	3609 3589.2	1	19.21	20.00	1.199	62.9	1.006	0.05	0.784	0.946
	LTE Band 48	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 5	DSI 2	55340	3560	1	20.24	21.00	1.191	62.9	1.006	-0.09	0.325	0.389
	LTE Band 48	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 2	55340	3560	1	20.24	21.00	1.191	62.9	1.006	-0.04	0.316	0.379
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	55340	3560	1	20.24	21.00	1.191	62.9	1.006	-0.16	0.820	0.983
	LTE Band 48	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 2	55340	3560	1	20.24	21.00	1.191	62.9	1.006	0.01	0.499	0.598
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	55830	3609	1	20.10	21.00	1.230	62.9	1.006	-0.08	0.744	0.921
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	56150	3641	1	20.23	21.00	1.194	62.9	1.006	-0.18	0.704	0.846
	LTE Band 48	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	56640	3690	1	20.09	21.00	1.233	62.9	1.006	-0.19	0.706	0.876
	LTE Band 48	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 5	DSI 2	55340	3560	1	20.14	21.00	1.219	62.9	1.006	0.09	0.810	0.993
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	541666	3624.99	1	17.15	18.00	1.216	-	-	-0.01	0.357	0.434



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n48	40M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	5416663624.99	1	17.15	18.00	1.216	-	-	-0.19	0.371	0.451
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5416663624.99	1	17.15	18.00	1.216	-	-	-0.15	0.693	0.843
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5416663624.99	1	17.15	18.00	1.216	-	-	-0.18	0.614	0.747
27	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	538000 3570	1	16.97	18.00	1.268	-	-	-0.11	0.923	1.170
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	538000 3570	2	16.97	18.00	1.268	-	-	0.03	0.899	1.140
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5453323679.98	1	16.96	18.00	1.271	-	-	0.05	0.682	0.867
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	538000 3570	1	16.97	18.00	1.268	-	-	0.11	0.788	0.999
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5453323679.98	1	16.96	18.00	1.271	-	-	0.13	0.564	0.717
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2 Sim	538000 3570	1	15.82	17.00	1.312	-	-	-0.11	0.753	0.988
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	5416663624.99	1	16.84	18.00	1.306	-	-	0.07	0.327	0.427
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	5416663624.99	1	16.84	18.00	1.306	-	-	0.13	0.354	0.462
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5416663624.99	1	16.84	18.00	1.306	-	-	-0.16	0.682	0.891
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5416663624.99	1	16.84	18.00	1.306	-	-	0.16	0.608	0.794
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	538000 3570	1	16.78	18.00	1.324	-	-	0.09	0.818	1.083
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5453323679.98	1	16.81	18.00	1.315	-	-	0.13	0.722	0.950
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	538000 3570	1	16.78	18.00	1.324	-	-	-0.13	0.715	0.947
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5453323679.98	1	16.81	18.00	1.315	-	-	0.1	0.622	0.818
	FR1 n48	40M	QPSK	100	0	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5416663624.99	1	16.49	18.00	1.416	-	-	-0.09	0.691	0.978
	FR1 n48	40M	QPSK	100	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5416663624.99	1	16.49	18.00	1.416	-	-	0.16	0.605	0.857
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	556000 3840	1	16.48	17.00	1.127	-	-	-0.02	0.536	0.604
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	556000 3840	1	16.48	17.00	1.127	-	-	-0.13	0.585	0.659
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	556000 3840	1	16.48	17.00	1.127	-	-	0.04	0.875	0.986
28	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	556000 3840	1	16.48	17.00	1.127	-	-	-0.07	1.000	1.127
	FR1 n77_PC2 part 270	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	556000 3840	1	19.47	20.00	1.130	50	1.000	-0.01	0.980	1.107
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2 Sim	556000 3840	1	15.34	16.00	1.164	-	-	0.13	0.738	0.859
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	556000 3840	1	16.23	17.00	1.194	-	-	-0.04	0.495	0.591
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	556000 3840	1	16.23	17.00	1.194	-	-	0.03	0.552	0.659
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	556000 3840	1	16.23	17.00	1.194	-	-	0.09	0.702	0.838
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	556000 3840	1	16.23	17.00	1.194	-	-	-0.14	0.901	1.076
	FR1 n77 part 270	100M	QPSK	270	0	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	556000 3840	1	16.27	17.00	1.183	-	-	-0.09	0.695	0.822
	FR1 n77 part 270	100M	QPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	556000 3840	1	16.27	17.00	1.183	-	-	-0.04	0.825	0.976
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	5333323499.98	1	16.57	17.00	1.104	-	-	-0.18	0.411	0.454
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	5333323499.98	1	16.57	17.00	1.104	-	-	-0.09	0.399	0.441
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5333323499.98	1	16.57	17.00	1.104	-	-	0.09	0.922	1.018
	FR1 n77_PC2 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5333323499.98	1	19.32	20.00	1.169	50	1.000	-0.17	0.878	1.027
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5333323499.98	1	16.57	17.00	1.104	-	-	0.02	0.725	0.800
	FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	5333323499.98	1	16.35	17.00	1.161	-	-	-0.02	0.349	0.405
	FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	5333323499.98	1	16.35	17.00	1.161	-	-	-0.13	0.342	0.397
	FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5333323499.98	1	16.35	17.00	1.161	-	-	-0.06	0.660	0.767
	FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5333323499.98	1	16.35	17.00	1.161	-	-	-0.11	0.683	0.793
	FR1 n77 part 27Q	100M	QPSK	270	0	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	5333323499.98	1	16.40	17.00	1.148	-	-	0.15	0.641	0.736
	FR1 n77 part 27Q	100M	QPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	5333323499.98	1	16.40	17.00	1.148	-	-	-0.06	0.645	0.741
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	556000 3840	1	23.00	24.00	1.259	-	-	-	n/a	n/a
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	556000 3840	1	23.00	24.00	1.259	-	-	-	n/a	n/a
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	556000 3840	1	23.00	24.00	1.259	-	-	-0.18	0.061	0.077
	FR1 n77_PC2 part 270	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	556000 3840	1	26.08	27.00	1.236	50	1.000	0.19	0.059	0.073
	FR1 n77 part 270	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	556000 3840	1	23.00	24.00	1.259	-	-	-	n/a	n/a
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	556000 3840	1	22.38	24.00	1.452	-	-	-	n/a	n/a
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	556000 3840	1	22.38	24.00	1.452	-	-	-	n/a	n/a
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	556000 3840	1	22.38	24.00	1.452	-	-	0.16	0.048	0.070
	FR1 n77 part 270	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	556000 3840	1	22.38	24.00	1.452	-	-	-	n/a	n/a
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	5333323499.98	1	23.25	24.00	1.189	-	-	-	n/a	n/a
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	5333323499.98	1	23.25	24.00	1.189	-	-	-	n/a	n/a
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	5333323499.98	1	23.25	24.00	1.189	-	-	-	0.003	0.004
	FR1 n77_PC2 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	5333323499.98	1	25.93	27.00	1.279	50	1.000	0.15	0.003	0.004
	FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	5333323499.98	1	23.25	24.00	1.189	-	-	-	n/a	n/a
	FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	5333323499.98	1	23.15	24.00	1.216	-	-	-	n/a	n/a
	FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	5333323499.98	1	23.15	24.00	1.216	-	-	-	n/a	n/a



FCC SAR Test Report

Report No. : FA2N1810

FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	6333323499.98	1	23.15	24.00	1.216	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	6333323499.98	1	23.15	24.00	1.216	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	656000 3840	1	22.23	23.00	1.194	-	-	-0.15	0.202	0.241
FR1 n77_PC2 partO	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	656000 3840	1	24.37	26.00	1.455	50	1.000	0.03	0.158	0.230
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	656000 3840	1	22.23	23.00	1.194	-	-	0.05	0.069	0.082
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	656000 3840	1	22.23	23.00	1.194	-	-	0.18	0.061	0.073
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	656000 3840	1	22.23	23.00	1.194	-	-	0.02	0.037	0.044
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	656000 3840	1	21.81	23.00	1.315	-	-	0.01	0.172	0.226
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	656000 3840	1	21.81	23.00	1.315	-	-	0.19	0.035	0.046
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	656000 3840	1	21.81	23.00	1.315	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	656000 3840	1	21.81	23.00	1.315	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	6333323499.98	1	21.86	23.00	1.300	-	-	0.13	0.188	0.244
FR1 n77_PC2 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	6333323499.98	1	24.70	26.00	1.349	50	1.000	-0.02	0.169	0.228
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	6333323499.98	1	21.86	23.00	1.300	-	-	-0.1	0.044	0.057
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	6333323499.98	1	21.86	23.00	1.300	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	6333323499.98	1	21.86	23.00	1.300	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	6333323499.98	1	21.44	23.00	1.432	-	-	0.11	0.161	0.231
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	6333323499.98	1	21.44	23.00	1.432	-	-	0.14	0.042	0.060
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	6333323499.98	1	21.44	23.00	1.432	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	6333323499.98	1	21.44	23.00	1.432	-	-	-	n/a	n/a
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 8	DSI 2	656000 3840	1	22.25	23.00	1.189	-	-	-0.1	0.297	0.353
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 8	DSI 2	656000 3840	1	22.25	23.00	1.189	-	-	0.07	0.105	0.125
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	656000 3840	1	22.25	23.00	1.189	-	-	-0.09	0.498	0.592
FR1 n77_PC2 partO	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	656000 3840	1	24.61	26.00	1.377	50	1.000	-0.03	0.442	0.609
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 8	DSI 2	656000 3840	1	22.25	23.00	1.189	-	-	-0.11	0.145	0.172
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 8	DSI 2	656000 3840	1	21.76	23.00	1.330	-	-	-0.07	0.219	0.291
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 8	DSI 2	656000 3840	1	21.76	23.00	1.330	-	-	-0.08	0.080	0.106
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	656000 3840	1	21.76	23.00	1.330	-	-	-0.03	0.262	0.349
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 8	DSI 2	656000 3840	1	21.76	23.00	1.330	-	-	-0.14	0.115	0.153
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 8	DSI 2	6333323499.98	1	22.55	23.00	1.109	-	-	-0.05	0.108	0.120
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 8	DSI 2	6333323499.98	1	22.55	23.00	1.109	-	-	-0.01	0.075	0.083
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	6333323499.98	1	22.55	23.00	1.109	-	-	0.08	0.203	0.225
FR1 n77 part 27Q	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 8	DSI 2	6333323499.98	1	22.55	23.00	1.109	-	-	-0.05	0.124	0.138
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 8	DSI 2	6333323499.98	1	22.07	23.00	1.239	-	-	0.12	0.146	0.181
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 8	DSI 2	6333323499.98	1	22.07	23.00	1.239	-	-	-0.15	0.092	0.114
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	6333323499.98	1	22.07	23.00	1.239	-	-	0.08	0.261	0.323
FR1 n77_PC2 part 27Q	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	6333323499.98	1	24.32	26.00	1.472	50	1.000	-0.02	0.212	0.312
FR1 n77 part 27Q	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 8	DSI 2	6333323499.98	1	22.07	23.00	1.239	-	-	-0.09	0.147	0.182



FCC SAR Test Report

Report No. : FA2N1810

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHZ																	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	0.12	0.385	0.489
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	-0.17	0.360	0.457
29	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	-0.12	0.930	1.182
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	-0.11	0.619	0.786
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	1	2412	1	18.42	20.00	1.439	100	1.000	0.05	0.726	1.045
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	6	2437	1	18.64	20.00	1.368	100	1.000	-0.17	0.849	1.161
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Simultaneous	11	2462	1	14.53	15.50	1.250	100	1.000	0.09	0.276	0.345
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Simultaneous	11	2462	1	14.53	15.50	1.250	100	1.000	0.05	0.213	0.266
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	0.07	0.039	0.062
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	0.1	0.049	0.078
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	0.15	0.050	0.080
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 6	Standalone/Simultaneous	39	2441	1	11.16	12.50	1.360	77.01	1.299	0.11	0.062	0.110
30	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 6	Standalone/Simultaneous	78	2480	1	10.80	12.50	1.478	77.01	1.299	0.02	0.105	0.202
5000MHZ-6000MHZ																	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	0.07	0.162	0.247
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 6	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	-0.16	0.188	0.286
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	0.18	0.323	0.492
31	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	-0.06	0.640	0.975
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6	Standalone	54	5270	2	19.83	21.50	1.468	96.3	1.038	0.05	0.551	0.839
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6	Standalone	62	5310	1	19.79	21.00	1.321	96.3	1.038	0.07	0.462	0.634
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Simultaneous	58	5290	1	16.09	17.50	1.384	92.98	1.076	-0.13	0.280	0.417
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	58	5290	1	16.09	17.50	1.384	92.98	1.076	0.07	0.132	0.197
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	-0.03	0.185	0.250
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 6	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	-0.1	0.196	0.265
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	-0.18	0.337	0.455
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	0.11	0.241	0.326
32	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	102	5510	1	19.73	21.50	1.502	96.3	1.038	0.16	0.390	0.608
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	110	5550	1	20.12	21.50	1.373	96.3	1.038	-0.04	0.357	0.509
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	134	5670	1	19.85	21.50	1.461	96.3	1.038	0.14	0.310	0.470
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	142	5710	1	19.36	21.00	1.457	96.3	1.038	-0.13	0.299	0.452
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	122	5610	1	17.66	19.00	1.363	92.98	1.076	-0.17	0.258	0.378
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	138	5690	1	17.59	19.00	1.385	92.98	1.076	-0.15	0.205	0.305
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	106	5530	1	17.58	19.00	1.387	92.98	1.076	-0.08	0.209	0.312
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.04	0.199	0.305
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 6	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	0.07	0.187	0.286
33	WLAN5.8GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.17	0.386	0.591
	WLAN5.8GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.1	0.294	0.450
	WLAN5.8GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6	Standalone	151	5755	1	19.34	21.00	1.464	96.3	1.038	-0.01	0.303	0.461
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	155	5775	1	17.60	19.00	1.380	92.98	1.076	0.18	0.215	0.319



16.2 Hotspot SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHZ																					
34	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 0	DS13 Sim	133297	680.5	1	23.23	24.00	1.194	-	-	-0.17	0.381	0.455
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	133297	680.5	1	23.23	24.00	1.194	-	-	0.09	0.663	0.792
	LTE Band 71	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DS13 Sim	133297	680.5	1	23.23	24.00	1.194	-	-	0.02	0.353	0.421
	LTE Band 71	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	133297	680.5	1	23.23	24.00	1.194	-	-	0.06	0.304	0.363
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 0	DS13 Sim	133297	680.5	1	22.10	23.00	1.230	-	-	-0.06	0.226	0.278
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 0	DS13 Sim	133297	680.5	1	22.10	23.00	1.230	-	-	0.11	0.373	0.459
	LTE Band 71	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DS13 Sim	133297	680.5	1	22.10	23.00	1.230	-	-	0.04	0.355	0.437
	LTE Band 71	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	133297	680.5	1	22.10	23.00	1.230	-	-	-0.18	0.182	0.224
	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.99	24.00	1.262	-	-	-0.11	0.086	0.109
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.99	24.00	1.262	-	-	0.13	0.198	0.250
	LTE Band 71	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.99	24.00	1.262	-	-	0.09	0.095	0.120
	LTE Band 71	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.99	24.00	1.262	-	-	0.12	0.179	0.226
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.03	23.00	1.250	-	-	0.09	0.074	0.093
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.03	23.00	1.250	-	-	0.03	0.178	0.223
	LTE Band 71	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.03	23.00	1.250	-	-	0.06	0.081	0.101
	LTE Band 71	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DS13 Sim	133297	680.5	1	22.03	23.00	1.250	-	-	0.18	0.162	0.203
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	DS13 Sim	23095	707.5	1	23.14	24.00	1.219	-	-	0.11	0.368	0.449
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	23095	707.5	1	23.14	24.00	1.219	-	-	0.04	0.637	0.776
	LTE Band 12	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DS13 Sim	23095	707.5	1	23.14	24.00	1.219	-	-	-0.18	0.317	0.386
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	23095	707.5	1	23.14	24.00	1.219	-	-	0.01	0.339	0.413
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	DS13 Sim	23095	707.5	1	22.19	23.00	1.205	-	-	0.13	0.232	0.280
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	DS13 Sim	23095	707.5	1	22.19	23.00	1.205	-	-	0.09	0.431	0.519
	LTE Band 12	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DS13 Sim	23095	707.5	1	22.19	23.00	1.205	-	-	0.12	0.287	0.346
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	23095	707.5	1	22.19	23.00	1.205	-	-	-0.17	0.194	0.234
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 4	DS13 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	0.09	0.141	0.188
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	DS13 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	0.05	0.720	0.962
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 4	DS13 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	0.03	0.083	0.111
	LTE Band 12	10M	QPSK	1	0	-	Top Side	5mm	Ant 4	DS13 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	0.04	0.289	0.386
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 4	DS13 Sim	23095	707.5	1	21.87	23.00	1.297	-	-	0.02	0.129	0.167
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 4	DS13 Sim	23095	707.5	1	21.87	23.00	1.297	-	-	-0.12	0.561	0.728
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 4	DS13 Sim	23095	707.5	1	21.87	23.00	1.297	-	-	-0.02	0.073	0.095
	LTE Band 12	10M	QPSK	25	0	-	Top Side	5mm	Ant 4	DS13 Sim	23095	707.5	1	21.87	23.00	1.297	-	-	0.04	0.269	0.349
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 4	DS13 Sim	23095	707.5	1	21.83	23.00	1.309	-	-	0.09	0.532	0.696
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	DS13 Sim	23230	782	1	21.67	22.50	1.211	-	-	-0.18	0.346	0.419
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	23230	782	1	21.67	22.50	1.211	-	-	-0.09	0.814	0.985
	LTE Band 13	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DS13 Sim	23230	782	1	21.67	22.50	1.211	-	-	-0.11	0.398	0.482
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	23230	782	1	21.67	22.50	1.211	-	-	0.13	0.537	0.650
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	DS13 Sim	23230	782	1	21.62	22.50	1.225	-	-	0.12	0.324	0.397
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	DS13 Sim	23230	782	1	21.62	22.50	1.225	-	-	-0.17	0.781	0.956
	LTE Band 13	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DS13 Sim	23230	782	1	21.62	22.50	1.225	-	-	0.09	0.388	0.475
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	23230	782	1	21.62	22.50	1.225	-	-	0.06	0.512	0.627
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	DS13 Sim	23230	782	1	21.65	22.50	1.216	-	-	-0.06	0.764	0.929
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 4	DS13 Sim	23230	782	1	21.79	22.50	1.178	-	-	0.09	0.220	0.259
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 4	DS13 Sim	23230	782	1	21.79	22.50	1.178	-	-	0.02	0.696	0.820
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 4	DS13 Sim	23230	782	1	21.79	22.50	1.178	-	-	0.06	0.171	0.201
	LTE Band 13	10M	QPSK	1	0	-	Top Side	5mm	Ant 4	DS13 Sim	23230	782	1	21.79	22.50	1.178	-	-	0.18	0.288	0.339
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 4	DS13 Sim	23230	782	1	21.75	22.50	1.189	-	-	0.11	0.215	0.256
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 4	DS13 Sim	23230	782	1	21.75	22.50	1.189	-	-	0.04	0.646	0.768
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 4	DS13 Sim	23230	782	1	21.75	22.50	1.189	-	-	-0.18	0.163	0.194
	LTE Band 13	10M	QPSK	25	0	-	Top Side	5mm	Ant 4	DS13 Sim	23230	782	1	21.75	22.50	1.189	-	-	0.01	0.267	0.317
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 4	DS13 Sim	23230	782	1	21.61	22.50	1.227	-	-	0.13	0.606	0.744



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 0	DSI3 Sim	23330	793	1	21.64	22.50	1.219	-	-	0.06	0.412	0.502
37	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI3 Sim	23330	793	1	21.64	22.50	1.219	-	-	-0.12	0.824	1.004
	LTE Band 14	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI3 Sim	23330	793	1	21.64	22.50	1.219	-	-	-0.06	0.475	0.579
	LTE Band 14	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	23330	793	1	21.64	22.50	1.219	-	-	0.11	0.699	0.852
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 0	DSI3 Sim	23330	793	1	21.63	22.50	1.222	-	-	-0.18	0.399	0.487
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 0	DSI3 Sim	23330	793	1	21.63	22.50	1.222	-	-	0.01	0.765	0.935
	LTE Band 14	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DSI3 Sim	23330	793	1	21.63	22.50	1.222	-	-	-0.11	0.457	0.558
	LTE Band 14	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	23330	793	1	21.63	22.50	1.222	-	-	0.13	0.649	0.793
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 0	DSI3 Sim	23330	793	1	21.57	22.50	1.239	-	-	-0.17	0.756	0.937
	LTE Band 14	10M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	23330	793	1	21.57	22.50	1.239	-	-	0.06	0.668	0.828
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 4	DSI3 Sim	23330	793	1	22.32	23.50	1.312	-	-	-0.11	0.218	0.286
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	23330	793	1	22.32	23.50	1.312	-	-	0.13	0.662	0.869
	LTE Band 14	10M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI3 Sim	23330	793	1	22.32	23.50	1.312	-	-	0.09	0.168	0.220
	LTE Band 14	10M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	23330	793	1	22.32	23.50	1.312	-	-	0.12	0.302	0.396
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 4	DSI3 Sim	23330	793	1	21.77	23.00	1.327	-	-	0.09	0.180	0.239
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 4	DSI3 Sim	23330	793	1	21.77	23.00	1.327	-	-	-0.17	0.585	0.777
	LTE Band 14	10M	QPSK	25	0	-	Left Side	5mm	Ant 4	DSI3 Sim	23330	793	1	21.77	23.00	1.327	-	-	0.06	0.136	0.181
	LTE Band 14	10M	QPSK	25	0	-	Top Side	5mm	Ant 4	DSI3 Sim	23330	793	1	21.77	23.00	1.327	-	-	0.18	0.256	0.340
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 4	DSI3 Sim	23330	793	1	21.63	23.00	1.371	-	-	0.11	0.566	0.776
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	136100	680.5	1	23.20	24.00	1.202	-	-	-0.18	0.145	0.174
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	136100	680.5	1	23.20	24.00	1.202	-	-	0.01	0.270	0.325
38	FR1 n71	20M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	136100	680.5	1	23.20	24.00	1.202	-	-	-0.11	0.361	0.434
	FR1 n71	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	136100	680.5	1	23.20	24.00	1.202	-	-	0.13	0.179	0.215
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	DSI3 Sim	136100	680.5	1	22.99	24.00	1.262	-	-	0.12	0.120	0.151
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI3 Sim	136100	680.5	1	22.99	24.00	1.262	-	-	-0.17	0.218	0.275
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	136100	680.5	1	22.99	24.00	1.262	-	-	0.09	0.272	0.343
	FR1 n71	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	136100	680.5	1	22.99	24.00	1.262	-	-	0.03	0.178	0.225
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	136100	680.5	1	23.12	24.00	1.225	-	-	0.18	0.088	0.108
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	136100	680.5	1	23.12	24.00	1.225	-	-	-0.06	0.205	0.251
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	136100	680.5	1	23.12	24.00	1.225	-	-	0.11	0.090	0.110
	FR1 n71	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	136100	680.5	1	23.12	24.00	1.225	-	-	0.04	0.148	0.181
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	DSI3 Sim	136100	680.5	1	22.95	24.00	1.274	-	-	0.01	0.079	0.101
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	DSI3 Sim	136100	680.5	1	22.95	24.00	1.274	-	-	-0.11	0.183	0.233
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	136100	680.5	1	22.95	24.00	1.274	-	-	0.13	0.087	0.111
	FR1 n71	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	136100	680.5	1	22.95	24.00	1.274	-	-	0.09	0.137	0.174
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	141500	707.5	1	23.12	24.00	1.225	-	-	-0.17	0.300	0.367
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	141500	707.5	1	23.12	24.00	1.225	-	-	0.09	0.455	0.557
39	FR1 n12	15M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	141500	707.5	1	23.12	24.00	1.225	-	-	0.05	0.512	0.627
	FR1 n12	15M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	141500	707.5	1	23.12	24.00	1.225	-	-	0.06	0.311	0.381
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	-0.06	0.257	0.338
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.11	0.356	0.468
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.04	0.371	0.488
	FR1 n12	15M	QPSK	36	22	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	-0.18	0.303	0.399
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	141500	707.5	1	23.13	24.00	1.222	-	-	-0.11	0.092	0.112
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	141500	707.5	1	23.13	24.00	1.222	-	-	0.13	0.363	0.444
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	141500	707.5	1	23.13	24.00	1.222	-	-	0.09	0.055	0.067
	FR1 n12	15M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	141500	707.5	1	23.13	24.00	1.222	-	-	0.12	0.274	0.335
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 4	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.09	0.116	0.153
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 4	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.02	0.422	0.555
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.06	0.086	0.113
	FR1 n12	15M	QPSK	36	22	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.18	0.356	0.468
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	158600	793	1	22.48	23.00	1.127	-	-	0.11	0.481	0.542
40	FR1 n14	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	158600	793	1	22.48	23.00	1.127	-	-	-0.08	0.946	1.066
	FR1 n14	10M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	158600	793	1	22.48	23.00	1.127	-	-	-0.18	0.510	0.575
	FR1 n14	10M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	158600	793	1	22.48	23.00	1.127	-	-	0.01	0.853	0.961
	FR1 n14	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 0	DSI3 Sim	158600	793	1	22.37	23.00	1.156	-	-	0.13	0.474	0.548



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n14	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 0	DS13 Sim	158600	793	1	22.37	23.00	1.156	-	-	0.09	0.903	1.044
	FR1 n14	10M	QPSK	25	14	DFT-15	Right Side	5mm	Ant 0	DS13 Sim	158600	793	1	22.37	23.00	1.156	-	-	0.12	0.501	0.579
	FR1 n14	10M	QPSK	25	14	DFT-15	Bottom Side	5mm	Ant 0	DS13 Sim	158600	793	1	22.37	23.00	1.156	-	-	0.02	0.757	0.875
	FR1 n14	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 0	DS13 Sim	158600	793	1	22.29	23.00	1.178	-	-	-0.18	0.865	1.019
	FR1 n14	10M	QPSK	50	0	DFT-15	Bottom Side	5mm	Ant 0	DS13 Sim	158600	793	1	22.29	23.00	1.178	-	-	0.13	0.762	0.897
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DS13 Sim	158600	793	1	23.17	24.00	1.211	-	-	0.06	0.224	0.271
	FR1 n14	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DS13 Sim	158600	793	1	23.17	24.00	1.211	-	-	-0.12	0.584	0.707
	FR1 n14	10M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DS13 Sim	158600	793	1	23.17	24.00	1.211	-	-	-0.12	0.106	0.128
	FR1 n14	10M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DS13 Sim	158600	793	1	23.17	24.00	1.211	-	-	-0.03	0.412	0.499
	FR1 n14	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 4	DS13 Sim	158600	793	1	23.12	24.00	1.225	-	-	-0.18	0.202	0.247
	FR1 n14	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 4	DS13 Sim	158600	793	1	23.12	24.00	1.225	-	-	0.13	0.557	0.682
	FR1 n14	10M	QPSK	25	14	DFT-15	Left Side	5mm	Ant 4	DS13 Sim	158600	793	1	23.12	24.00	1.225	-	-	0.16	0.100	0.122
	FR1 n14	10M	QPSK	25	14	DFT-15	Top Side	5mm	Ant 4	DS13 Sim	158600	793	1	23.12	24.00	1.225	-	-	0.17	0.405	0.496
835MHZ																					
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 0	DS13 Sim	189	836.4	1	27.68	28.50	1.208	-	-	-0.06	0.453	0.547
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	DS13 Sim	189	836.4	1	27.68	28.50	1.208	-	-	-0.06	0.675	0.815
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Right Side	5mm	Ant 0	DS13 Sim	189	836.4	1	27.68	28.50	1.208	-	-	-0.15	0.317	0.383
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DS13 Sim	189	836.4	1	27.68	28.50	1.208	-	-	0.08	0.903	1.091
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DS13 Sim	128	824.2	1	27.64	28.50	1.219	-	-	0.08	0.838	1.022
41	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DS13 Sim	251	848.8	1	27.62	28.50	1.225	-	-	0.07	0.975	1.194
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	DS13 Sim	128	824.2	1	27.64	28.50	1.219	-	-	-0.03	0.643	0.784
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	DS13 Sim	251	848.8	1	27.62	28.50	1.225	-	-	0.02	0.682	0.835
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 4	DS13 Sim	189	836.4	1	27.97	29.00	1.268	-	-	-0.01	0.391	0.496
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	DS13 Sim	189	836.4	1	27.97	29.00	1.268	-	-	-0.08	0.702	0.890
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Left Side	5mm	Ant 4	DS13 Sim	189	836.4	1	27.97	29.00	1.268	-	-	-0.11	0.155	0.196
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Top Side	5mm	Ant 4	DS13 Sim	189	836.4	1	27.97	29.00	1.268	-	-	-0.04	0.652	0.827
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Top Side	5mm	Ant 4	DS13 Sim	128	824.2	1	27.96	29.00	1.271	-	-	0.14	0.631	0.802
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Top Side	5mm	Ant 4	DS13 Sim	251	848.8	1	27.95	29.00	1.274	-	-	-0.1	0.608	0.774
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	DS13 Sim	128	824.2	1	27.96	29.00	1.271	-	-	0.14	0.739	0.939
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	DS13 Sim	251	848.8	1	27.95	29.00	1.274	-	-	-0.1	0.699	0.890
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DS13 Sim	4182	836.4	1	20.73	21.40	1.167	-	-	0.03	0.328	0.383
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DS13 Sim	4182	836.4	1	20.73	21.40	1.167	-	-	0.02	0.789	0.921
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DS13 Sim	4182	836.4	1	20.73	21.40	1.167	-	-	-0.17	0.256	0.299
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DS13 Sim	4182	836.4	1	20.73	21.40	1.167	-	-	0.04	0.842	0.982
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DS13 Sim	4132	826.4	1	20.64	21.40	1.191	-	-	0.02	0.742	0.884
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DS13 Sim	4233	846.6	1	20.58	21.40	1.208	-	-	-0.11	0.878	1.060
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DS13 Sim	4132	826.4	1	20.64	21.40	1.191	-	-	0.02	0.857	1.021
42	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DS13 Sim	4233	846.6	1	20.58	21.40	1.208	-	-	0.08	0.988	1.193
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	DS13 Sim	4182	836.4	1	21.57	22.50	1.239	-	-	0.15	0.288	0.357
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	DS13 Sim	4182	836.4	1	21.57	22.50	1.239	-	-	-0.18	0.708	0.877
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 4	DS13 Sim	4182	836.4	1	21.57	22.50	1.239	-	-	0.12	0.139	0.172
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DS13 Sim	4182	836.4	1	21.57	22.50	1.239	-	-	0.18	0.540	0.669
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	DS13 Sim	4132	826.4	1	21.46	22.50	1.271	-	-	0.11	0.633	0.804
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	DS13 Sim	4233	846.6	1	21.54	22.50	1.247	-	-	-0.11	0.506	0.631
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	DS13 Sim	26865	831.5	1	21.27	22.30	1.268	-	-	-0.15	0.386	0.489
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	26865	831.5	1	21.27	22.30	1.268	-	-	0.11	0.816	1.034
	LTE Band 26	15M	QPSK	1	0	-	Right Side	5mm	Ant 0	DS13 Sim	26865	831.5	1	21.27	22.30	1.268	-	-	-0.05	0.328	0.416
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	26865	831.5	1	21.27	22.30	1.268	-	-	-0.18	0.747	0.947
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	26765	821.5	1	21.21	22.30	1.285	-	-	-0.05	0.723	0.929
43	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	26965	841.5	1	21.25	22.30	1.274	-	-	-0.01	0.953	1.214
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	26965	841.5	2	21.25	22.30	1.274	-	-	0.02	0.803	1.023
	LTE Band 5B	10M	QPSK	1	0	-	Back	5mm	Ant 0	DS13 Sim	20575 20476	841.5 831.6	1	21.23	22.30	1.279	-	-	-0.05	0.813	1.040
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	26765	821.5	1	21.21	22.30	1.285	-	-	0.08	0.850	1.092
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DS13 Sim	26965	841.5	1	21.25	22.30	1.274	-	-	-0.11	0.930	1.184
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	DS13 Sim	26865	831.5	1	21.17	22.30	1.297	-	-	-0.09	0.406	0.527
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	DS13 Sim	26865	831.5	1	21.17	22.30	1.297	-	-	0.03	0.856	1.110



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 26	15M	QPSK	36	0	-	Right Side	5mm	Ant 0	DSI3 Sim	26865	831.5	1	21.17	22.30	1.297	-	-	0.03	0.327	0.424
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26865	831.5	1	21.17	22.30	1.297	-	-	-0.08	0.785	1.018
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	DSI3 Sim	26765	821.5	1	21.11	22.30	1.315	-	-	-0.01	0.784	1.031
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	DSI3 Sim	26965	841.5	1	21.05	22.30	1.334	-	-	-0.12	0.832	1.109
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26765	821.5	1	21.11	22.30	1.315	-	-	-0.01	0.701	0.922
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26965	841.5	1	21.05	22.30	1.334	-	-	-0.12	0.732	0.976
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	DSI3 Sim	26865	831.5	1	21.13	22.30	1.309	-	-	0.11	0.862	1.129
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26865	831.5	1	21.13	22.30	1.309	-	-	-0.18	0.825	1.080
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.77	22.00	1.327	-	-	0.18	0.247	0.328
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.77	22.00	1.327	-	-	-0.1	0.627	0.832
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.77	22.00	1.327	-	-	-0.17	0.107	0.142
	LTE Band 26	15M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.77	22.00	1.327	-	-	-0.06	0.378	0.502
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	26765	821.5	1	20.75	22.00	1.334	-	-	0.02	0.675	0.900
	LTE Band 5B	10M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	20575 20476	841.5 831.6	1	20.71	22.00	1.346	-	-	0.05	0.632	0.851
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	26965	841.5	1	20.72	22.00	1.343	-	-	0.1	0.560	0.752
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.66	22.00	1.361	-	-	-0.12	0.247	0.336
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.66	22.00	1.361	-	-	0.17	0.583	0.794
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.66	22.00	1.361	-	-	-0.01	0.113	0.154
	LTE Band 26	15M	QPSK	36	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.66	22.00	1.361	-	-	-0.03	0.374	0.509
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 4	DSI3 Sim	26865	831.5	1	20.63	22.00	1.371	-	-	-0.02	0.488	0.669
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.42	22.00	1.143	-	-	0.01	0.518	0.592
44	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.42	22.00	1.143	-	-	0.08	0.986	1.127
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.42	22.00	1.143	-	-	0.04	0.337	0.385
	FR1 n26	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.42	22.00	1.143	-	-	-0.13	0.881	1.007
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.22	22.00	1.197	-	-	-0.12	0.383	0.458
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.22	22.00	1.197	-	-	-0.17	0.676	0.809
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.22	22.00	1.197	-	-	-0.12	0.300	0.359
	FR1 n26	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.22	22.00	1.197	-	-	0.02	0.753	0.901
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.06	22.00	1.242	-	-	0.05	0.673	0.836
	FR1 n26	20M	QPSK	100	0	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	166300	831.5	1	21.06	22.00	1.242	-	-	0.07	0.736	0.914
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.49	22.00	1.125	-	-	-0.05	0.278	0.313
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.49	22.00	1.125	-	-	0.05	0.807	0.908
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.49	22.00	1.125	-	-	-0.03	0.121	0.136
	FR1 n26	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.49	22.00	1.125	-	-	-0.16	0.428	0.481
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.23	22.00	1.194	-	-	0.01	0.262	0.313
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.23	22.00	1.194	-	-	0.05	0.589	0.703
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.23	22.00	1.194	-	-	-0.02	0.135	0.161
	FR1 n26	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.23	22.00	1.194	-	-	-0.09	0.421	0.503
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 4	DSI3 Sim	166300	831.5	1	21.18	22.00	1.208	-	-	-0.1	0.565	0.682
1750MHZ																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI3 Sim	1413	1732.6	1	16.75	17.50	1.189	-	-	0.11	0.582	0.692
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI3 Sim	1413	1732.6	1	16.75	17.50	1.189	-	-	-0.12	0.607	0.721
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI3 Sim	1413	1732.6	1	16.75	17.50	1.189	-	-	0.06	0.077	0.092
45	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI3 Sim	1413	1732.6	1	16.75	17.50	1.189	-	-	0.08	0.939	1.116
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI3 Sim	1312	1712.4	1	16.71	17.50	1.199	-	-	-0.03	0.752	0.902
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI3 Sim	1513	1752.6	1	16.65	17.50	1.216	-	-	0.05	0.908	1.104
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3 Sim	1413	1732.6	1	18.83	19.50	1.167	-	-	-0.08	0.265	0.309
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	DSI3 Sim	1413	1732.6	1	18.83	19.50	1.167	-	-	0.04	0.530	0.618
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 4	DSI3 Sim	1413	1732.6	1	18.83	19.50	1.167	-	-	0.15	0.055	0.064
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI3 Sim	1413	1732.6	1	18.83	19.50	1.167	-	-	0.03	0.742	0.866
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI3 Sim	1312	1712.4	1	18.63	19.50	1.222	-	-	0.02	0.670	0.819
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI3 Sim	1513	1752.6	1	18.82	19.50	1.169	-	-	0.14	0.787	0.920
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.34	17.00	1.164	-	-	-0.12	0.560	0.652
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.34	17.00	1.164	-	-	-0.17	0.578	0.673
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.34	17.00	1.164	-	-	-0.02	0.068	0.079
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.34	17.00	1.164	-	-	0.03	0.849	0.988



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132072	1720	1	16.01	17.00	1.256	-	-	0.02	0.702	0.882
46	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132572	1770	1	16.16	17.00	1.213	-	-	0.09	0.938	1.138
	LTE Band 66B	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132322 132229	1745 1735.7	1	16.09	17.00	1.233	-	-	0.05	0.813	1.003
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132322 132124	1745 1725.2	1	16.05	17.00	1.245	-	-	0.07	0.786	0.978
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.15	17.00	1.216	-	-	0.14	0.576	0.701
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.15	17.00	1.216	-	-	-0.02	0.588	0.715
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.15	17.00	1.216	-	-	0.08	0.067	0.081
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.15	17.00	1.216	-	-	-0.06	0.881	1.071
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132072	1720	1	15.94	17.00	1.276	-	-	-0.02	0.874	1.116
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132572	1770	1	16.11	17.00	1.227	-	-	0.03	0.903	1.108
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	132322	1745	1	16.07	17.00	1.239	-	-	0.01	0.884	1.095
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.84	19.50	1.164	-	-	0.14	0.268	0.312
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.84	19.50	1.164	-	-	0.1	0.410	0.477
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.84	19.50	1.164	-	-	0.06	0.057	0.066
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.84	19.50	1.164	-	-	-0.04	0.721	0.839
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132072	1720	1	18.57	19.50	1.239	-	-	-0.03	0.542	0.671
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132572	1770	1	18.59	19.50	1.233	-	-	-0.08	0.808	0.996
	LTE Band 66B	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132322 132229	1745 1735.7	1	18.55	19.50	1.245	-	-	0.05	0.584	0.727
	LTE Band 66C	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132322 132124	1745 1725.2	1	18.62	19.50	1.225	-	-	-0.04	0.603	0.738
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.68	19.50	1.208	-	-	-0.04	0.258	0.312
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.68	19.50	1.208	-	-	0.09	0.386	0.466
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.68	19.50	1.208	-	-	-0.03	0.058	0.070
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.68	19.50	1.208	-	-	0.08	0.754	0.911
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132072	1720	1	18.51	19.50	1.256	-	-	0.02	0.598	0.751
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132572	1770	1	18.53	19.50	1.250	-	-	0.06	0.801	1.001
	LTE Band 66	20M	QPSK	100	0	-	Top Side	5mm	Ant 4	DSI3 Sim	132322	1745	1	18.63	19.50	1.222	-	-	-0.02	0.628	0.767
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.44	19.00	1.138	-	-	0.18	0.535	0.609
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.44	19.00	1.138	-	-	0.12	0.576	0.655
	FR1 n70	15M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.44	19.00	1.138	-	-	0.01	0.083	0.094
47	FR1 n70	15M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.44	19.00	1.138	-	-	-0.14	1.060	1.206
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.32	19.00	1.169	-	-	0.05	0.581	0.679
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.32	19.00	1.169	-	-	0.02	0.613	0.717
	FR1 n70	15M	QPSK	36	22	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.32	19.00	1.169	-	-	-0.18	0.081	0.095
	FR1 n70	15M	QPSK	36	22	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.32	19.00	1.169	-	-	-0.08	0.931	1.089
	FR1 n70	15M	QPSK	75	0	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	340500	1702.5	1	18.27	19.00	1.183	-	-	-0.03	0.995	1.177
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.39	20.00	1.151	-	-	0.17	0.419	0.482
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.39	20.00	1.151	-	-	0.12	0.662	0.762
	FR1 n70	15M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.39	20.00	1.151	-	-	0.09	0.061	0.070
	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.39	20.00	1.151	-	-	0.05	0.686	0.789
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	-0.07	0.269	0.315
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	-0.08	0.469	0.550
	FR1 n70	15M	QPSK	36	22	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	0.13	0.059	0.069
	FR1 n70	15M	QPSK	36	22	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	-0.08	0.748	0.877
	FR1 n70	15M	QPSK	75	0	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	340500	1702.5	1	19.18	20.00	1.208	-	-	0.16	0.630	0.761
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.45	18.00	1.135	-	-	-0.01	0.612	0.695
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.45	18.00	1.135	-	-	0.05	0.692	0.785
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.45	18.00	1.135	-	-	0.08	0.074	0.084
48	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.45	18.00	1.135	-	-	0.02	1.090	1.237
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.16	18.00	1.213	-	-	-0.06	0.573	0.695
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.16	18.00	1.213	-	-	-0.04	0.746	0.905
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.16	18.00	1.213	-	-	-0.08	0.062	0.075
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.16	18.00	1.213	-	-	-0.14	0.969	1.176
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.11	18.00	1.227	-	-	-0.13	0.737	0.905
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	349000	1745	1	17.11	18.00	1.227	-	-	0.11	0.962	1.181
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.79	19.50	1.178	-	-	0.15	0.293	0.345



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.79	19.50	1.178	-	-	-0.09	0.445	0.524
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.79	19.50	1.178	-	-	-0.09	0.063	0.074
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.79	19.50	1.178	-	-	0.09	0.809	0.953
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.48	19.50	1.265	-	-	-0.1	0.325	0.411
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.48	19.50	1.265	-	-	-0.14	0.484	0.612
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.48	19.50	1.265	-	-	0.14	0.069	0.087
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.48	19.50	1.265	-	-	0.15	0.776	0.981
	FR1 n66	40M	QPSK	216	0	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	349000	1745	1	18.47	19.50	1.268	-	-	0.08	0.774	0.981
1900 MHZ																					
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 0	DSI3 Sim	810	1909.8	1	22.56	23.50	1.242	-	-	0.04	0.341	0.423
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI3 Sim	810	1909.8	1	22.56	23.50	1.242	-	-	-0.14	0.710	0.882
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Right Side	5mm	Ant 0	DSI3 Sim	810	1909.8	1	22.56	23.50	1.242	-	-	-0.15	0.055	0.068
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI3 Sim	810	1909.8	1	22.56	23.50	1.242	-	-	-0.07	0.853	1.059
49	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI3 Sim	512	1850.2	1	22.55	23.50	1.245	-	-	-0.09	0.980	1.220
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI3 Sim	661	1880	1	22.51	23.50	1.256	-	-	0.12	0.759	0.953
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI3 Sim	512	1850.2	1	22.55	23.50	1.245	-	-	0.17	0.654	0.814
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI3 Sim	661	1880	1	22.51	23.50	1.256	-	-	0.02	0.627	0.788
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 4	DSI3 Sim	810	1909.8	1	22.63	23.50	1.222	-	-	0.1	0.359	0.439
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	DSI3 Sim	810	1909.8	1	22.63	23.50	1.222	-	-	0.05	0.418	0.511
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Left Side	5mm	Ant 4	DSI3 Sim	810	1909.8	1	22.63	23.50	1.222	-	-	-0.11	0.082	0.100
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	5mm	Ant 4	DSI3 Sim	810	1909.8	1	22.63	23.50	1.222	-	-	-0.13	0.795	0.971
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	5mm	Ant 4	DSI3 Sim	512	1850.2	1	22.38	23.50	1.294	-	-	0.15	0.698	0.903
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	5mm	Ant 4	DSI3 Sim	661	1880	1	22.37	23.50	1.297	-	-	-0.03	0.723	0.938
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI3 Sim	9400	1880	1	16.32	17.00	1.169	-	-	0.1	0.419	0.490
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI3 Sim	9400	1880	1	16.32	17.00	1.169	-	-	0.05	0.635	0.743
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI3 Sim	9400	1880	1	16.32	17.00	1.169	-	-	0.16	0.070	0.082
50	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI3 Sim	9400	1880	1	16.32	17.00	1.169	-	-	0.1	0.965	1.129
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI3 Sim	9262	1852.4	1	16.28	17.00	1.180	-	-	0.03	0.774	0.914
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI3 Sim	9538	1907.6	1	16.21	17.00	1.199	-	-	0.13	0.912	1.094
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3 Sim	9400	1880	1	14.81	15.50	1.172	-	-	0.11	0.275	0.322
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	DSI3 Sim	9400	1880	1	14.81	15.50	1.172	-	-	0.17	0.564	0.661
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 4	DSI3 Sim	9400	1880	1	14.81	15.50	1.172	-	-	0.05	0.001	0.001
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI3 Sim	9400	1880	1	14.81	15.50	1.172	-	-	-0.08	0.695	0.815
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI3 Sim	9262	1852.4	1	14.77	15.50	1.183	-	-	0.1	0.645	0.763
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 4	DSI3 Sim	9538	1907.6	1	14.56	15.50	1.242	-	-	0.05	0.666	0.827
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI3 Sim	26340	1880	1	16.05	16.90	1.216	-	-	-0.03	0.420	0.511
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI3 Sim	26340	1880	1	16.05	16.90	1.216	-	-	-0.11	0.648	0.788
	LTE Band 25	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI3 Sim	26340	1880	1	16.05	16.90	1.216	-	-	-0.1	0.052	0.063
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26340	1880	1	16.05	16.90	1.216	-	-	-0.17	0.878	1.068
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26140	1860	1	15.95	16.90	1.245	-	-	-0.12	0.879	1.094
51	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26590	1905	1	16.04	16.90	1.219	-	-	0.18	1.020	1.243
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26590	1905	2	16.04	16.90	1.219	-	-	0.02	0.787	0.959
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI3 Sim	26340	1880	1	15.97	16.90	1.239	-	-	0.08	0.434	0.538
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI3 Sim	26340	1880	1	15.97	16.90	1.239	-	-	-0.11	0.686	0.850
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI3 Sim	26140	1860	1	15.85	16.90	1.274	-	-	0.03	0.614	0.782
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI3 Sim	26590	1905	1	15.90	16.90	1.259	-	-	-0.17	0.642	0.808
	LTE Band 25	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI3 Sim	26340	1880	1	15.97	16.90	1.239	-	-	0.12	0.050	0.062
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26340	1880	1	15.97	16.90	1.239	-	-	0.05	0.914	1.132
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26140	1860	1	15.85	16.90	1.274	-	-	0.06	0.834	1.062
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26590	1905	1	15.90	16.90	1.259	-	-	-0.08	0.857	1.079
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	DSI3 Sim	26340	1880	1	15.92	16.90	1.253	-	-	0.02	0.708	0.887
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI3 Sim	26340	1880	1	15.92	16.90	1.253	-	-	0.01	0.938	1.175
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.39	16.00	1.449	-	-	-0.08	0.289	0.419
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.39	16.00	1.449	-	-	-0.11	0.361	0.523
	LTE Band 25	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.39	16.00	1.449	-	-	-0.1	0.076	0.110
	LTE Band 25	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.39	16.00	1.449	-	-	0.08	0.587	0.850



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 25	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26140	1860	1	14.30	16.00	1.479	-	-	0.12	0.592	0.876
	LTE Band 25	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26590	1905	1	14.27	16.00	1.489	-	-	-0.07	0.649	0.967
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.35	16.00	1.462	-	-	0.01	0.265	0.387
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.35	16.00	1.462	-	-	0.05	0.341	0.499
	LTE Band 25	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.35	16.00	1.462	-	-	-0.02	0.069	0.101
	LTE Band 25	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.35	16.00	1.462	-	-	-0.15	0.565	0.826
	LTE Band 25	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26140	1860	1	14.21	16.00	1.510	-	-	0.11	0.514	0.776
	LTE Band 25	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26590	1905	1	14.15	16.00	1.531	-	-	-0.07	0.608	0.931
	LTE Band 25	20M	QPSK	100	0	-	Top Side	5mm	Ant 4	DSI3 Sim	26340	1880	1	14.31	16.00	1.476	-	-	0.09	0.583	0.860
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	17.01	17.50	1.119	-	-	-0.17	0.443	0.496
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	17.01	17.50	1.119	-	-	0.14	0.711	0.796
	FR1 n25	40M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	17.01	17.50	1.119	-	-	-0.02	0.064	0.072
52	FR1 n25	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	17.01	17.50	1.119	-	-	-0.13	1.040	1.164
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	16.88	17.50	1.153	-	-	-0.01	0.470	0.542
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	16.88	17.50	1.153	-	-	0.17	0.767	0.885
	FR1 n25	40M	QPSK	108	54	DFT-15	Right Side	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	16.88	17.50	1.153	-	-	0.05	0.060	0.069
	FR1 n25	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	16.88	17.50	1.153	-	-	0.14	0.969	1.118
	FR1 n25	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	16.93	17.50	1.140	-	-	-0.06	0.796	0.908
	FR1 n25	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 0	DSI3 Sim	376500	1882.5	1	16.93	17.50	1.140	-	-	0.02	0.965	1.100
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.61	16.00	1.094	-	-	-0.12	0.405	0.443
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.61	16.00	1.094	-	-	-0.16	0.572	0.626
	FR1 n25	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.61	16.00	1.094	-	-	-0.17	0.115	0.126
	FR1 n25	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.61	16.00	1.094	-	-	-0.01	0.841	0.920
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.58	16.00	1.102	-	-	-0.17	0.457	0.503
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.58	16.00	1.102	-	-	-0.16	0.631	0.695
	FR1 n25	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.58	16.00	1.102	-	-	-0.09	0.125	0.138
	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.58	16.00	1.102	-	-	-0.1	0.752	0.828
	FR1 n25	40M	QPSK	216	0	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	376500	1882.5	1	15.54	16.00	1.112	-	-	0.17	0.755	0.839
2300MHZ																					
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.48	20.00	1.127	-	-	0.1	0.368	0.415
53	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.48	20.00	1.127	-	-	-0.06	0.938	1.057
	LTE Band 30	10M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.48	20.00	1.127	-	-	-0.1	0.397	0.447
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.48	20.00	1.127	-	-	-0.09	0.466	0.525
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.47	20.00	1.130	-	-	0.02	0.372	0.420
	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.47	20.00	1.130	-	-	-0.11	0.865	0.977
	LTE Band 30	10M	QPSK	25	0	-	Left Side	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.47	20.00	1.130	-	-	-0.15	0.397	0.449
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.47	20.00	1.130	-	-	-0.02	0.473	0.534
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	27710	2310	1	19.30	20.00	1.175	-	-	-0.16	0.879	1.033
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Front	5mm	Ant 4	DSI3 Sim	27710	2310	1	13.04	13.50	1.112	-	-	-0.1	0.239	0.266
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	27710	2310	1	13.04	13.50	1.112	-	-	-0.12	0.440	0.489
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI3 Sim	27710	2310	1	13.04	13.50	1.112	-	-	-	n/a	n/a
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	27710	2310	1	13.04	13.50	1.112	-	-	-0.04	0.737	0.819
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Front	5mm	Ant 4	DSI3 Sim	27710	2310	1	12.86	13.50	1.159	-	-	-0.08	0.246	0.285
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Back	5mm	Ant 4	DSI3 Sim	27710	2310	1	12.86	13.50	1.159	-	-	0.12	0.340	0.394
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Left Side	5mm	Ant 4	DSI3 Sim	27710	2310	1	12.86	13.50	1.159	-	-	-	n/a	n/a
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Top Side	5mm	Ant 4	DSI3 Sim	27710	2310	1	12.86	13.50	1.159	-	-	-0.15	0.665	0.771
	LTE Band 30_ENDC	10M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	27710	2310	1	12.82	13.50	1.169	-	-	-0.18	0.673	0.787
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.76	19.50	1.186	-	-	-0.07	0.318	0.377
54	FR1 n30	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.76	19.50	1.186	-	-	0.06	0.964	1.143
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.76	19.50	1.186	-	-	0.1	0.300	0.356
	FR1 n30	10M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.76	19.50	1.186	-	-	-0.06	0.512	0.607
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.55	19.50	1.245	-	-	-0.16	0.340	0.423
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.55	19.50	1.245	-	-	0.11	0.682	0.849
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.55	19.50	1.245	-	-	0.1	0.327	0.407
	FR1 n30	10M	QPSK	25	14	DFT-15	Bottom Side	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.55	19.50	1.245	-	-	-0.04	0.410	0.510
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 1	DSI3 Sim	462000	2310	1	18.43	19.50	1.279	-	-	0.1	0.694	0.888



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n30_ ENDC	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.97	14.00	1.268	-	-	0.15	0.220	0.279
	FR1 n30_ ENDC	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.97	14.00	1.268	-	-	-0.07	0.450	0.570
	FR1 n30_ ENDC	10M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.97	14.00	1.268	-	-	-	n/a	n/a
	FR1 n30_ ENDC	10M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.97	14.00	1.268	-	-	0.03	0.738	0.936
	FR1 n30_ ENDC	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.57	14.00	1.390	-	-	-0.15	0.226	0.314
	FR1 n30_ ENDC	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.57	14.00	1.390	-	-	-0.05	0.472	0.656
	FR1 n30_ ENDC	10M	QPSK	25	14	DFT-15	Left Side	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.57	14.00	1.390	-	-	-	n/a	n/a
	FR1 n30_ ENDC	10M	QPSK	25	14	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.57	14.00	1.390	-	-	0.17	0.657	0.913
	FR1 n30_ ENDC	10M	QPSK	50	0	DFT-15	Top Side	5mm	Ant 4	DSI3 Sim	462000	2310	1	12.68	14.00	1.355	-	-	0.03	0.621	0.842
2600MHZ																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.95	17.80	1.216	-	-	0.02	0.354	0.431
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.95	17.80	1.216	-	-	-0.13	0.736	0.895
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.95	17.80	1.216	-	-	0.11	0.291	0.354
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.95	17.80	1.216	-	-	-0.03	0.449	0.546
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	20850	2510	1	16.62	17.80	1.312	-	-	-0.18	0.585	0.768
55	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	21350	2560	1	16.69	17.80	1.291	-	-	0.05	0.960	1.240
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	21100 20902	2535 2515.2	1	16.76	17.80	1.271	-	-	0.08	0.754	0.958
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.92	17.80	1.225	-	-	0.06	0.369	0.452
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.92	17.80	1.225	-	-	0.06	0.640	0.784
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.92	17.80	1.225	-	-	0.05	0.313	0.383
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.92	17.80	1.225	-	-	-0.03	0.474	0.580
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	DSI3 Sim	21100	2535	1	16.91	17.80	1.227	-	-	0.11	0.650	0.798
	LTE Band 7_ ENDC	20M	QPSK	1	0	-	Front	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.81	13.00	1.315	-	-	-0.01	0.171	0.225
	LTE Band 7_ ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.81	13.00	1.315	-	-	-0.13	0.316	0.416
	LTE Band 7_ ENDC	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.81	13.00	1.315	-	-	-	n/a	n/a
	LTE Band 7_ ENDC	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.81	13.00	1.315	-	-	0.03	0.612	0.805
	LTE Band 7_ ENDC	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	20850	2510	1	11.70	13.00	1.349	-	-	-0.01	0.521	0.703
	LTE Band 7_ ENDC	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI3 Sim	21350	2560	1	11.77	13.00	1.327	-	-	0.07	0.624	0.828
	LTE Band 7_ ENDC	20M	QPSK	50	0	-	Front	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.75	13.00	1.334	-	-	-0.14	0.161	0.215
	LTE Band 7_ ENDC	20M	QPSK	50	0	-	Back	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.75	13.00	1.334	-	-	-0.05	0.307	0.409
	LTE Band 7_ ENDC	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.75	13.00	1.334	-	-	-	n/a	n/a
	LTE Band 7_ ENDC	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.75	13.00	1.334	-	-	0.06	0.511	0.681
	LTE Band 7_ ENDC	20M	QPSK	100	0	-	Top Side	5mm	Ant 4	DSI3 Sim	21100	2535	1	11.68	13.00	1.355	-	-	0.06	0.508	0.688
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.06	0.366	0.484
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.09	0.772	1.021
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	-0.1	0.333	0.441
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.18	0.508	0.672
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	39750	2506	1	17.61	19.10	1.409	62.9	1.006	-0.08	0.421	0.597
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	40185	2549.5	1	17.63	19.10	1.403	62.9	1.006	0.13	0.523	0.738
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	40620	2593	1	17.71	19.10	1.377	62.9	1.006	0.05	0.554	0.768
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	41055	2636.5	1	17.73	19.10	1.371	62.9	1.006	0.08	0.553	0.763
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	39750	2506	1	17.61	19.10	1.409	62.9	1.006	-0.06	0.707	1.002
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	40185	2549.5	1	17.63	19.10	1.403	62.9	1.006	0.02	0.744	1.050
56	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	40620	2593	1	17.71	19.10	1.377	62.9	1.006	-0.03	0.821	1.137
	LTE Band 41C	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	41490 41292	2680 2660.2	1	18.35	19.10	1.189	62.9	1.006	-0.03	0.714	0.854
	LTE Band 41_PC2	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	40620	2593	1	19.53	20.70	1.309	42.9	1.009	-0.07	0.783	1.034
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI3 Sim	41055	2636.5	1	17.73	19.10	1.371	62.9	1.006	-0.14	0.752	1.037
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.89	19.10	1.321	62.9	1.006	0.15	0.367	0.488
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.89	19.10	1.321	62.9	1.006	-0.17	0.779	1.035
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	39750	2506	1	17.68	19.10	1.387	62.9	1.006	-0.08	0.752	1.049
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	40185	2549.5	1	17.75	19.10	1.365	62.9	1.006	0.09	0.684	0.939
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	40620	2593	1	17.74	19.10	1.368	62.9	1.006	0.12	0.703	0.967
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI3 Sim	41055	2636.5	1	17.79	19.10	1.352	62.9	1.006	0.07	0.723	0.983
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.89	19.10	1.321	62.9	1.006	-0.08	0.335	0.445
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	41490	2680	1	17.89	19.10	1.321	62.9	1.006	-0.08	0.508	0.675
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI3 Sim	39750	2506	1	17.68	19.10	1.387	62.9	1.006	0.07	0.484	0.675



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DS13 Sim	40185	2549.5	1	17.75	19.10	1.365	62.9	1.006	-0.05	0.471	0.647
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DS13 Sim	40620	2593	1	17.74	19.10	1.368	62.9	1.006	0.1	0.433	0.596
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DS13 Sim	41055	2636.5	1	17.79	19.10	1.352	62.9	1.006	-0.15	0.531	0.722
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	DS13 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.03	0.766	1.014
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 1	DS13 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.05	0.513	0.679
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DS13 Sim	507000	2535	1	17.22	18.00	1.197	-	-	-0.03	0.429	0.513
57	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DS13 Sim	507000	2535	1	17.22	18.00	1.197	-	-	0.05	1.020	1.221
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DS13 Sim	507000	2535	1	17.22	18.00	1.197	-	-	0.07	0.377	0.451
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 1	DS13 Sim	507000	2535	1	17.22	18.00	1.197	-	-	-0.02	0.510	0.610
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	DS13 Sim	507000	2535	1	17.05	18.00	1.245	-	-	-0.17	0.411	0.511
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	DS13 Sim	507000	2535	1	17.05	18.00	1.245	-	-	-0.09	0.749	0.932
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 1	DS13 Sim	507000	2535	1	17.05	18.00	1.245	-	-	0.06	0.371	0.462
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 1	DS13 Sim	507000	2535	1	17.05	18.00	1.245	-	-	0.15	0.498	0.620
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 1	DS13 Sim	507000	2535	1	16.98	18.00	1.265	-	-	0.02	0.783	0.990
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DS13 Sim	507000	2535	1	13.73	14.50	1.194	-	-	-0.13	0.259	0.309
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DS13 Sim	507000	2535	1	13.73	14.50	1.194	-	-	0.03	0.463	0.553
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DS13 Sim	507000	2535	1	13.73	14.50	1.194	-	-	-	n/a	n/a
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DS13 Sim	507000	2535	1	13.73	14.50	1.194	-	-	0.16	0.833	0.995
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	DS13 Sim	507000	2535	1	13.72	14.50	1.197	-	-	0.1	0.250	0.299
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	DS13 Sim	507000	2535	1	13.72	14.50	1.197	-	-	-0.07	0.466	0.558
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 4	DS13 Sim	507000	2535	1	13.72	14.50	1.197	-	-	-	n/a	n/a
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 4	DS13 Sim	507000	2535	1	13.72	14.50	1.197	-	-	0.06	0.731	0.875
	FR1 n7_ENDC	40M	QPSK	216	0	DFT-15	Top Side	5mm	Ant 4	DS13 Sim	507000	2535	1	13.60	14.50	1.230	-	-	0.06	0.704	0.866
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	0.06	0.430	0.562
58	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	0.18	0.955	1.247
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	DS13 Sim	518598	2592.99	2	16.34	17.50	1.306	-	-	0.05	0.931	1.216
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	DS13 Sim	518598	2592.99	1	19.45	20.50	1.274	50	1.000	-0.01	0.894	1.139
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	0.1	0.388	0.507
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	-0.1	0.546	0.713
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.19	17.50	1.352	-	-	0.04	0.436	0.590
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.19	17.50	1.352	-	-	0.18	0.798	1.079
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.19	17.50	1.352	-	-	-0.16	0.393	0.531
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.19	17.50	1.352	-	-	-0.11	0.528	0.714
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	DS13 Sim	518598	2592.99	1	16.12	17.50	1.374	-	-	0.17	0.808	1.110
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.87	17.00	1.297	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.87	17.00	1.297	-	-	-0.17	0.678	0.879
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	DS13 Sim	518598	2592.99	1	18.94	20.00	1.276	50	1.000	0.04	0.651	0.831
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.87	17.00	1.297	-	-	-0.06	0.103	0.134
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.87	17.00	1.297	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.68	17.00	1.355	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.68	17.00	1.355	-	-	-0.05	0.445	0.603
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.68	17.00	1.355	-	-	-0.04	0.105	0.142
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.68	17.00	1.355	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	DS13 Sim	518598	2592.99	1	15.65	17.00	1.365	-	-	0.18	0.421	0.574
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.25	13.50	1.334	-	-	0.14	0.222	0.296
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.25	13.50	1.334	-	-	-0.14	0.455	0.607
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.25	13.50	1.334	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.25	13.50	1.334	-	-	0.16	0.772	1.029
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 4	DS13 Sim	518598	2592.99	1	15.54	16.50	1.247	50	1.000	0.16	0.752	0.938
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.19	13.50	1.352	-	-	-0.06	0.178	0.241
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.19	13.50	1.352	-	-	0.12	0.365	0.494
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.19	13.50	1.352	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.19	13.50	1.352	-	-	0.15	0.627	0.848
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	5mm	Ant 4	DS13 Sim	518598	2592.99	1	12.20	13.50	1.349	-	-	-0.02	0.617	0.832
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.15	18.00	1.218	-	-	-0.1	0.181	0.220
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.15	18.00	1.218	-	-	-0.02	0.768	0.935



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 7	DS13 Sim	518598	2592.99	1	20.16	21.00	1.213	50	1.000	-0.02	0.723	0.877
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Side	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.15	18.00	1.218	-	-	0.17	0.327	0.398
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.15	18.00	1.218	-	-	0.07	0.161	0.196
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.05	18.00	1.245	-	-	-0.03	0.184	0.229
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.05	18.00	1.245	-	-	-0.18	0.771	0.960
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.05	18.00	1.245	-	-	-0.07	0.325	0.404
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.05	18.00	1.245	-	-	-0.02	0.152	0.189
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 7	DS13 Sim	518598	2592.99	1	17.01	18.00	1.256	-	-	-0.11	0.713	0.896
3000-4000MHZ																					
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	DS13 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	0.06	0.224	0.250
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	DS13 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	0.11	0.549	0.613
	LTE Band 48	20M	QPSK	1	0	-	Left Side	5mm	Ant 5	DS13 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	-	n/a	n/a
	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	DS13 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	-0.03	0.207	0.231
	LTE Band 48	20M	QPSK	1	0	-	Top Side	5mm	Ant 5	DS13 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	0.18	0.152	0.170
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	DS13 Sim	55830	3609	1	18.35	19.00	1.161	62.9	1.006	0.05	0.412	0.481
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	DS13 Sim	56150	3641	1	18.30	19.00	1.175	62.9	1.006	0.18	0.417	0.493
59	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	DS13 Sim	56640	3690	1	18.37	19.00	1.156	62.9	1.006	-0.07	0.541	0.629
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 5	DS13 Sim	55830 55632	3609 3589.2	1	18.35	19.00	1.161	62.9	1.006	0.06	0.305	0.356
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	DS13 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	-0.1	0.233	0.263
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	DS13 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	0.17	0.451	0.509
	LTE Band 48	20M	QPSK	50	0	-	Left Side	5mm	Ant 5	DS13 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	0.01	0.037	0.042
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	DS13 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	-0.16	0.187	0.211
	LTE Band 48	20M	QPSK	50	0	-	Top Side	5mm	Ant 5	DS13 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	-0.07	0.156	0.176
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 5	DS13 Sim	55340	3560	1	18.38	19.00	1.153	62.9	1.006	-0.13	0.499	0.579
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	DS13 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-0.11	0.273	0.335
60	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DS13 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-0.05	0.723	0.887
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 5	DS13 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-	n/a	n/a
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 5	DS13 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-0.02	0.259	0.318
	FR1 n48	40M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DS13 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-0.13	0.256	0.314
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DS13 Sim	638000	3570	1	15.93	17.00	1.279	-	-	0.14	0.684	0.875
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DS13 Sim	645332	3679.98	1	15.85	17.00	1.303	-	-	0.13	0.673	0.877
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 5	DS13 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	0.11	0.269	0.347
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	DS13 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	-0.12	0.625	0.805
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	5mm	Ant 5	DS13 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	-	n/a	n/a
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Side	5mm	Ant 5	DS13 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	-0.15	0.258	0.332
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	5mm	Ant 5	DS13 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	0.08	0.284	0.366
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	DS13 Sim	638000	3570	1	15.66	17.00	1.361	-	-	-0.12	0.566	0.771
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	DS13 Sim	645332	3679.98	1	15.63	17.00	1.371	-	-	-0.13	0.621	0.851
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 5	DS13 Sim	641666	3624.99	1	15.93	17.00	1.279	-	-	0.15	0.582	0.745
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	DS13 Sim	656000	3840	1	14.56	15.00	1.107	-	-	0.14	0.211	0.233
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DS13 Sim	656000	3840	1	14.56	15.00	1.107	-	-	0.08	0.756	0.837
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.56	15.00	1.107	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.56	15.00	1.107	-	-	0.08	0.090	0.100
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.56	15.00	1.107	-	-	-0.09	0.843	0.933
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DS13 Sim	656000	3840	1	17.24	18.00	1.191	50	1.000	-0.16	0.782	0.932
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	DS13 Sim	656000	3840	1	14.36	15.00	1.159	-	-	-0.09	0.212	0.246
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	DS13 Sim	656000	3840	1	14.36	15.00	1.159	-	-	-0.05	0.712	0.825
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.36	15.00	1.159	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.36	15.00	1.159	-	-	-0.03	0.066	0.076
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.36	15.00	1.159	-	-	0.17	0.804	0.932
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	DS13 Sim	656000	3840	1	14.53	15.00	1.114	-	-	-0.03	0.752	0.838
	FR1 n77	100M	QPSK	270	0	DFT-30	Top Side	5mm	Ant 5	DS13 Sim	656000	3840	1	14.53	15.00	1.114	-	-	-0.15	0.802	0.894
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	DS13 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	0.13	0.636	0.792
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DS13 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	0.01	0.784	0.976
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DS13 Sim	633332	3499.98	1	17.07	18.00	1.239	50	1.000	-0.01	0.762	0.944
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 5	DS13 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	-0.07	0.085	0.106



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	-0.09	0.418	0.520
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	0.1	0.414	0.515
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	-0.17	0.509	0.645
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	-0.17	0.681	0.863
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	-0.1	0.072	0.091
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	-0.09	0.407	0.516
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	0.16	0.315	0.399
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	DSI3 Sim	633332	3499.98	1	13.89	15.00	1.291	-	-	-0.12	0.653	0.843
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.70	17.50	1.202	-	-	-0.12	0.102	0.123
61	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.70	17.50	1.202	-	-	0.09	0.821	0.987
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI3 Sim	656000	3840	2	16.70	17.50	1.202	-	-	0.05	0.576	0.693
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI3 Sim	656000	3840	1	19.71	20.50	1.199	50	1.000	0.15	0.785	0.942
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.70	17.50	1.202	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.70	17.50	1.202	-	-	0.01	0.312	0.375
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.63	17.50	1.222	-	-	0.16	0.094	0.115
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.63	17.50	1.222	-	-	0.05	0.633	0.773
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.63	17.50	1.222	-	-	0.07	0.096	0.117
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.63	17.50	1.222	-	-	0.09	0.276	0.337
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	DSI3 Sim	656000	3840	1	16.57	17.50	1.239	-	-	-0.08	0.648	0.803
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.63	17.50	1.222	-	-	-0.05	0.148	0.181
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.63	17.50	1.222	-	-	-0.09	0.709	0.866
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	19.67	20.50	1.211	50	1.000	-0.09	0.706	0.855
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.63	17.50	1.222	-	-	-0.15	0.134	0.164
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.63	17.50	1.222	-	-	0.11	0.392	0.479
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.61	17.50	1.227	-	-	0.05	0.125	0.153
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.61	17.50	1.227	-	-	0.16	0.664	0.815
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.61	17.50	1.227	-	-	-0.01	0.107	0.131
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.61	17.50	1.227	-	-	-0.03	0.408	0.501
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	DSI3 Sim	633332	3499.98	1	16.54	17.50	1.247	-	-	-0.14	0.684	0.853
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	DSI3 Sim	656000	3840	1	13.19	14.50	1.352	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI3 Sim	656000	3840	1	13.19	14.50	1.352	-	-	0.13	0.712	0.963
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI3 Sim	656000	3840	1	16.28	17.50	1.324	50	1.000	0.13	0.710	0.940
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 2	DSI3 Sim	656000	3840	1	13.19	14.50	1.352	-	-	-0.06	0.131	0.177
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 2	DSI3 Sim	656000	3840	1	13.19	14.50	1.352	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	DSI3 Sim	656000	3840	1	12.73	14.50	1.503	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DSI3 Sim	656000	3840	1	12.73	14.50	1.503	-	-	0.05	0.284	0.427
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 2	DSI3 Sim	656000	3840	1	12.73	14.50	1.503	-	-	-0.1	0.080	0.120
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 2	DSI3 Sim	656000	3840	1	12.73	14.50	1.503	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	DSI3 Sim	656000	3840	1	12.69	14.50	1.517	-	-	0.14	0.280	0.425
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.74	14.50	1.191	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.74	14.50	1.191	-	-	0.08	0.265	0.316
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.74	14.50	1.191	-	-	-0.12	0.069	0.082
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.74	14.50	1.191	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.59	14.50	1.233	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.59	14.50	1.233	-	-	-0.11	0.290	0.358
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	17.03	17.50	1.114	50	1.000	-0.11	0.292	0.325
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.59	14.50	1.233	-	-	-0.1	0.073	0.090
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 2	DSI3 Sim	633332	3499.98	1	13.59	14.50	1.233	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.84	15.50	1.466	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.84	15.50	1.466	-	-	-0.11	0.574	0.841
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI3 Sim	656000	3840	1	17.21	18.50	1.346	50	1.000	-0.11	0.572	0.770
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.84	15.50	1.466	-	-	0.11	0.203	0.298
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.84	15.50	1.466	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.86	15.50	1.459	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.86	15.50	1.459	-	-	0.16	0.308	0.449
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.86	15.50	1.459	-	-	0.02	0.174	0.254



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.86	15.50	1.459	-	-	-0.13	0.046	0.067
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	DSI3 Sim	656000	3840	1	13.59	15.50	1.552	-	-	0.12	0.307	0.477
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.79	15.50	1.178	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.79	15.50	1.178	-	-	0.16	0.193	0.227
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.79	15.50	1.178	-	-	0.17	0.109	0.128
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.79	15.50	1.178	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.77	15.50	1.183	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.77	15.50	1.183	-	-	0.01	0.204	0.241
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	17.99	18.50	1.125	50	1.000	0.01	0.202	0.227
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.77	15.50	1.183	-	-	-0.18	0.104	0.123
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 8	DSI3 Sim	633332	3499.98	1	14.77	15.50	1.183	-	-	-	n/a	n/a

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	Simultaneous	11	2462	1	13.23	14.00	1.194	100	1.000	-0.11	0.088	0.105
62	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Simultaneous	11	2462	1	13.23	14.00	1.194	100	1.000	0.02	0.282	0.337
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 6	Simultaneous	11	2462	1	13.23	14.00	1.194	100	1.000	0.09	0.094	0.112
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 6	Simultaneous	11	2462	1	13.23	14.00	1.194	100	1.000	-0.14	0.140	0.167
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Simultaneous	1	2412	1	12.63	14.00	1.371	100	1.000	0.13	0.166	0.228
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Simultaneous	6	2437	1	13.17	14.00	1.211	100	1.000	0.17	0.231	0.280
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-	n/a	n/a
63	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-0.02	0.088	0.140
	Bluetooth	DH5 1Mbps	Right Side	5mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 6	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-0.12	0.071	0.113
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Standalone/Simultaneous	39	2441	1	11.16	12.50	1.361	77.01	1.299	0.03	0.076	0.134
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Standalone/Simultaneous	78	2480	1	10.80	12.50	1.478	77.01	1.299	0.17	0.072	0.138
5000MHz-6000MHz																	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	Simultaneous	42	5210	1	10.94	12.50	1.432	92.98	1.076	0.01	0.036	0.055
64	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	Simultaneous	42	5210	1	10.94	12.50	1.432	92.98	1.076	-0.11	0.220	0.339
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	42	5210	1	10.94	12.50	1.432	92.98	1.076	-0.02	0.077	0.118
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	42	5210	1	10.94	12.50	1.432	92.98	1.076	0.04	0.152	0.234
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	Simultaneous	155	5775	1	11.44	13.00	1.432	92.98	1.076	0.11	0.036	0.055
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	Simultaneous	155	5775	1	11.44	13.00	1.432	92.98	1.076	0.03	0.220	0.339
65	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	155	5775	1	11.44	13.00	1.432	92.98	1.076	-0.11	0.230	0.354
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	155	5775	2	11.44	13.00	1.432	92.98	1.076	0.02	0.218	0.336
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	155	5775	1	11.44	13.00	1.432	92.98	1.076	0.12	0.152	0.234



16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHZ																						
66	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	133297	680.5	1	23.23	24.00	1.194	-	-	-0.17	0.381	0.455
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	133297	680.5	1	23.23	24.00	1.194	-	-	0.09	0.663	0.792
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	133297	680.5	1	22.10	23.00	1.230	-	-	-0.06	0.226	0.278
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	133297	680.5	1	22.10	23.00	1.230	-	-	0.11	0.373	0.459
	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3/3 Sim	133297	680.5	1	22.99	24.00	1.262	-	-	-0.11	0.086	0.109
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3/3 Sim	133297	680.5	1	22.99	24.00	1.262	-	-	0.13	0.198	0.250
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3/3 Sim	133297	680.5	1	22.03	23.00	1.250	-	-	0.09	0.074	0.093
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3/3 Sim	133297	680.5	1	22.03	23.00	1.250	-	-	0.03	0.178	0.223
67	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	23095	707.5	1	23.14	24.00	1.219	-	-	0.11	0.368	0.449
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23095	707.5	1	23.14	24.00	1.219	-	-	0.04	0.637	0.776
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	23095	707.5	1	22.19	23.00	1.205	-	-	0.13	0.232	0.280
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23095	707.5	1	22.19	23.00	1.205	-	-	0.09	0.431	0.519
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	23095	707.5	1	22.82	24.00	1.312	-	-	0.18	0.224	0.294
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	23095	707.5	1	22.82	24.00	1.312	-	-	-0.06	0.865	1.135
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	23060	704	1	22.73	24.00	1.340	-	-	0.05	0.835	1.119
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	23130	711	1	22.74	24.00	1.337	-	-	0.08	0.813	1.087
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3	23095	707.5	1	21.81	23.00	1.315	-	-	0.01	0.134	0.176
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3	23095	707.5	1	21.81	23.00	1.315	-	-	-0.11	0.536	0.705
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	23095	707.5	1	21.76	23.00	1.330	-	-	-0.17	0.525	0.698
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	0.09	0.141	0.188
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23095	707.5	1	22.24	23.50	1.337	-	-	0.05	0.720	0.962
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23060	704	1	22.21	23.50	1.346	-	-	0.03	0.657	0.884
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23130	711	1	22.17	23.50	1.358	-	-	-0.08	0.684	0.929
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3 Sim	23095	707.5	1	21.87	23.00	1.297	-	-	0.02	0.129	0.167
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23095	707.5	1	21.87	23.00	1.297	-	-	-0.12	0.561	0.728
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23095	707.5	1	21.83	23.00	1.309	-	-	0.09	0.532	0.696
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	23230	782	1	21.67	22.50	1.211	-	-	-0.18	0.346	0.419
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23230	782	1	21.67	22.50	1.211	-	-	-0.09	0.814	0.985
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	23230	782	1	23.02	24.00	1.253	-	-	0.05	0.326	0.409
	LTE Band 13	10M	QPSK	1	0	-	Back	23mm	Ant 0	-	DSI4	23230	782	1	23.02	24.00	1.253	-	-	0.01	0.333	0.417
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	23230	782	1	21.62	22.50	1.225	-	-	0.12	0.324	0.397
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23230	782	1	21.62	22.50	1.225	-	-	-0.17	0.781	0.956
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23230	782	1	21.65	22.50	1.216	-	-	-0.06	0.764	0.929
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	23230	782	1	23.33	24.00	1.167	-	-	0.09	0.332	0.387
68	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	23230	782	1	23.33	24.00	1.167	-	-	0.02	0.859	1.002
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	23230	782	1	23.33	24.00	1.167	-	-	0.11	0.245	0.286
	LTE Band 13	10M	QPSK	1	0	-	Back	23mm	Ant 4	-	DSI4	23230	782	1	23.33	24.00	1.167	-	-	0.05	0.262	0.306
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3	23230	782	1	21.74	23.00	1.337	-	-	0.11	0.287	0.384
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3	23230	782	1	21.74	23.00	1.337	-	-	0.04	0.696	0.930
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	23230	782	1	21.67	23.00	1.358	-	-	0.13	0.660	0.896
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	23230	782	1	21.79	22.50	1.178	-	-	0.09	0.220	0.259
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23230	782	1	21.79	22.50	1.178	-	-	0.02	0.696	0.820
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3 Sim	23230	782	1	21.75	22.50	1.189	-	-	0.11	0.215	0.256
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23230	782	1	21.75	22.50	1.189	-	-	0.04	0.646	0.768
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23230	782	1	21.61	22.50	1.227	-	-	0.13	0.606	0.744
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	23330	793	1	21.64	22.50	1.219	-	-	0.06	0.412	0.502
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23330	793	1	21.64	22.50	1.219	-	-	-0.12	0.824	1.004
	LTE Band 14	10M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	23330	793	1	22.99	24.00	1.262	-	-	0.05	0.361	0.456
	LTE Band 14	10M	QPSK	1	0	-	Back	23mm	Ant 0	-	DSI4	23330	793	1	22.99	24.00	1.262	-	-	-0.09	0.377	0.476
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	23330	793	1	21.63	22.50	1.222	-	-	-0.18	0.399	0.487



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23330	793	1	21.63	22.50	1.222	-	-	0.01	0.765	0.935
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	23330	793	1	21.57	22.50	1.239	-	-	-0.17	0.756	0.937
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	23330	793	1	22.73	24.00	1.340	-	-	-0.11	0.318	0.426
69	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	23330	793	1	22.73	24.00	1.340	-	-	0.13	0.818	1.096
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3	23330	793	1	21.85	23.00	1.303	-	-	0.09	0.216	0.281
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3	23330	793	1	21.85	23.00	1.303	-	-	-0.17	0.577	0.752
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	23330	793	1	21.71	23.00	1.346	-	-	0.11	0.568	0.764
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	23330	793	1	22.32	23.50	1.312	-	-	-0.11	0.218	0.286
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23330	793	1	22.32	23.50	1.312	-	-	0.13	0.662	0.869
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3 Sim	23330	793	1	21.77	23.00	1.327	-	-	0.09	0.180	0.239
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23330	793	1	21.77	23.00	1.327	-	-	-0.17	0.585	0.777
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3 Sim	23330	793	1	21.63	23.00	1.371	-	-	0.11	0.566	0.776
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	136100	680.5	1	23.20	24.00	1.202	-	-	-0.18	0.145	0.174
70	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	136100	680.5	1	23.20	24.00	1.202	-	-	0.01	0.270	0.325
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	136100	680.5	1	22.99	24.00	1.262	-	-	0.12	0.120	0.151
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	136100	680.5	1	22.99	24.00	1.262	-	-	-0.17	0.218	0.275
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3/3 Sim	136100	680.5	1	23.12	24.00	1.225	-	-	0.18	0.088	0.108
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3/3 Sim	136100	680.5	1	23.12	24.00	1.225	-	-	-0.06	0.205	0.251
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	-	DSI3/3 Sim	136100	680.5	1	22.95	24.00	1.274	-	-	0.01	0.079	0.101
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI3/3 Sim	136100	680.5	1	22.95	24.00	1.274	-	-	-0.11	0.183	0.233
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	141500	707.5	1	23.12	24.00	1.225	-	-	-0.17	0.300	0.367
71	FR1 n12	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	141500	707.5	1	23.12	24.00	1.225	-	-	0.09	0.455	0.557
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	-0.06	0.257	0.338
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.11	0.356	0.468
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3/3 Sim	141500	707.5	1	23.13	24.00	1.222	-	-	-0.11	0.092	0.112
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3/3 Sim	141500	707.5	1	23.13	24.00	1.222	-	-	0.13	0.363	0.444
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 4	-	DSI3/3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.09	0.116	0.153
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 4	-	DSI3/3 Sim	141500	707.5	1	22.81	24.00	1.315	-	-	0.02	0.422	0.555
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	158600	793	1	22.48	23.00	1.127	-	-	0.11	0.481	0.542
72	FR1 n14	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	158600	793	1	22.48	23.00	1.127	-	-	-0.08	0.946	1.066
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	158600	793	1	23.31	24.00	1.172	-	-	0.13	0.315	0.369
	FR1 n14	10M	QPSK	1	1	DFT-15	Back	23mm	Ant 0	-	DSI4	158600	793	1	23.31	24.00	1.172	-	-	-0.01	0.298	0.349
	FR1 n14	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	158600	793	1	22.37	23.00	1.156	-	-	0.13	0.474	0.548
	FR1 n14	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	158600	793	1	22.37	23.00	1.156	-	-	0.09	0.903	1.044
	FR1 n14	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	158600	793	1	22.29	23.00	1.178	-	-	-0.18	0.865	1.019
	FR1 n14	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3/3 Sim	158600	793	1	23.17	24.00	1.211	-	-	0.06	0.224	0.271
	FR1 n14	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3/3 Sim	158600	793	1	23.17	24.00	1.211	-	-	-0.12	0.584	0.707
	FR1 n14	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 4	-	DSI3/3 Sim	158600	793	1	23.12	24.00	1.225	-	-	-0.18	0.202	0.247
	FR1 n14	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 4	-	DSI3/3 Sim	158600	793	1	23.12	24.00	1.225	-	-	0.13	0.557	0.682
835MHZ																						
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 0	-	DSI3	189	836.4	1	28.39	29.00	1.151	-	-	0.03	0.534	0.615
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3	189	836.4	1	28.39	29.00	1.151	-	-	0.08	0.954	1.098
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3	128	824.2	1	28.36	29.00	1.159	-	-	0.05	0.975	1.130
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3	251	848.8	1	28.34	29.00	1.164	-	-	-0.04	1.010	1.176
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 0	-	DSI4	189	836.4	1	30.85	31.50	1.161	-	-	-0.13	0.135	0.157
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	23mm	Ant 0	-	DSI4	251	848.8	1	30.59	31.50	1.233	-	-	-0.05	0.091	0.112
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 0	-	DSI3 Sim	189	836.4	1	27.68	28.50	1.208	-	-	-0.06	0.453	0.547
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3 Sim	189	836.4	1	27.68	28.50	1.208	-	-	-0.06	0.675	0.815
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3 Sim	128	824.2	1	27.64	28.50	1.219	-	-	-0.03	0.643	0.784
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3 Sim	251	848.8	1	27.62	28.50	1.225	-	-	0.02	0.682	0.835
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 4	-	DSI3	189	836.4	1	29.79	30.50	1.178	-	-	-0.01	0.336	0.396
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	189	836.4	1	29.79	30.50	1.178	-	-	-0.08	0.692	0.815
73	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	128	824.2	1	29.36	30.50	1.300	-	-	0.14	0.947	1.231
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	128	824.2	2	29.36	30.50	1.300	-	-	0.05	0.504	0.655
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	251	848.8	1	29.47	30.50	1.268	-	-	-0.1	0.753	0.955
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	Headset	DSI3	128	824.2	1	29.36	30.50	1.300	-	-	0.14	0.841	1.093



FCC SAR Test Report

Report No. : FA2N1810

	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 4	-	DSI4	189	836.4	1	30.67	31.50	1.211	-	-	-0.15	0.140	0.169
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	23mm	Ant 4	-	DSI4	128	824.2	1	30.42	31.50	1.282	-	-	0.08	0.120	0.154
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 4	-	DSI3 Sim	189	836.4	1	27.97	29.00	1.268	-	-	-0.01	0.391	0.496
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3 Sim	189	836.4	1	27.97	29.00	1.268	-	-	-0.08	0.702	0.890
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3 Sim	128	824.2	1	27.96	29.00	1.271	-	-	0.14	0.739	0.939
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3 Sim	251	848.8	1	27.95	29.00	1.274	-	-	-0.1	0.699	0.890
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3/3 Sim	4182	836.4	1	20.73	21.40	1.167	-	-	0.03	0.328	0.383
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3/3 Sim	4182	836.4	1	20.73	21.40	1.167	-	-	0.02	0.789	0.921
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3/3 Sim	4132	826.4	1	20.64	21.40	1.191	-	-	0.02	0.742	0.884
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3/3 Sim	4233	846.6	1	20.58	21.40	1.208	-	-	-0.11	0.878	1.060
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	-	DSI4	4182	836.4	1	23.45	24.00	1.135	-	-	-0.11	0.116	0.132
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 0	-	DSI4	4233	846.6	1	23.42	24.00	1.143	-	-	0.05	0.106	0.121
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	-	DSI3	4182	836.4	1	22.59	23.50	1.233	-	-	0.15	0.347	0.428
74	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	4182	836.4	1	22.59	23.50	1.233	-	-	-0.06	0.914	1.127
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	4132	826.4	1	22.48	23.50	1.265	-	-	0.11	0.761	0.962
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	4233	846.6	1	22.52	23.50	1.253	-	-	-0.11	0.673	0.843
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	-	DSI4	4182	836.4	1	22.98	24.00	1.265	-	-	0.05	0.185	0.234
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 4	-	DSI4	4182	836.4	1	22.98	24.00	1.265	-	-	-0.13	0.163	0.206
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	-	DSI3 Sim	4182	836.4	1	21.57	22.50	1.239	-	-	0.15	0.288	0.357
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3 Sim	4182	836.4	1	21.57	22.50	1.239	-	-	-0.18	0.708	0.877
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3 Sim	4132	826.4	1	21.46	22.50	1.271	-	-	0.11	0.633	0.804
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3 Sim	4233	846.6	1	21.54	22.50	1.247	-	-	-0.11	0.506	0.631
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	26865	831.5	1	21.27	22.30	1.268	-	-	-0.15	0.386	0.489
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26865	831.5	1	21.27	22.30	1.268	-	-	0.11	0.816	1.034
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26765	821.5	1	21.21	22.30	1.285	-	-	-0.05	0.723	0.929
75	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26965	841.5	1	21.25	22.30	1.274	-	-	-0.01	0.953	1.214
	LTE Band 5B	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	20575 20476	841.5 831.6	1	21.23	22.30	1.279	-	-	-0.05	0.813	1.040
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI3/3 Sim	26965	841.5	1	21.25	22.30	1.274	-	-	-0.01	0.832	1.060
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	26865	831.5	1	23.13	24.00	1.222	-	-	-0.15	0.347	0.424
	LTE Band 26	15M	QPSK	1	0	-	Back	23mm	Ant 0	-	DSI4	26965	841.5	1	23.01	24.00	1.256	-	-	0.11	0.153	0.192
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	DSI3/3 Sim	26865	831.5	1	21.17	22.30	1.297	-	-	-0.09	0.406	0.527
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26865	831.5	1	21.17	22.30	1.297	-	-	0.03	0.856	1.110
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26765	821.5	1	21.11	22.30	1.315	-	-	-0.01	0.784	1.031
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26965	841.5	1	21.05	22.30	1.334	-	-	-0.12	0.832	1.109
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	DSI3/3 Sim	26865	831.5	1	21.13	22.30	1.309	-	-	0.11	0.862	1.129
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	26865	831.5	1	21.90	23.20	1.349	-	-	0.18	0.316	0.426
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	26865	831.5	1	21.90	23.20	1.349	-	-	-0.1	0.709	0.956
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	26765	821.5	1	21.86	23.20	1.361	-	-	0.05	0.824	1.122
	LTE Band 5B	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	20575 20476	841.5 831.6	1	21.86	23.20	1.361	-	-	0.03	0.732	0.997
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	26965	841.5	1	21.87	23.20	1.358	-	-	0.1	0.702	0.954
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	26865	831.5	1	22.82	24.00	1.312	-	-	0.05	0.241	0.316
	LTE Band 26	15M	QPSK	1	0	-	Back	23mm	Ant 4	-	DSI4	26765	821.5	1	22.79	24.00	1.321	-	-	-0.11	0.243	0.321
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 4	-	DSI3	26865	831.5	1	21.84	23.00	1.306	-	-	-0.12	0.304	0.397
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	-	DSI3	26865	831.5	1	21.84	23.00	1.306	-	-	0.17	0.668	0.873
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	-	DSI3	26765	821.5	1	21.77	23.00	1.327	-	-	-0.06	0.624	0.828
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	-	DSI3	26965	841.5	1	21.79	23.00	1.321	-	-	0.02	0.589	0.778
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 4	-	DSI3	26865	831.5	1	21.80	23.00	1.318	-	-	-0.02	0.648	0.854
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	26865	831.5	1	20.77	22.00	1.327	-	-	0.18	0.247	0.328
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26865	831.5	1	20.77	22.00	1.327	-	-	-0.1	0.627	0.832
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26765	821.5	1	20.75	22.00	1.334	-	-	0.02	0.675	0.900
	LTE Band 5B	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	20575 20476	841.5 831.6	1	20.71	22.00	1.346	-	-	0.05	0.632	0.851
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26965	841.5	1	20.72	22.00	1.343	-	-	0.1	0.560	0.752
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 4	-	DSI3 Sim	26865	831.5	1	20.66	22.00	1.361	-	-	-0.12	0.247	0.336
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26865	831.5	1	20.66	22.00	1.361	-	-	0.17	0.583	0.794
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26865	831.5	1	20.63	22.00	1.371	-	-	-0.02	0.488	0.669



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	166300	831.5	1	21.42	22.00	1.143	-	-	0.01	0.518	0.592
76	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	166300	831.5	1	21.42	22.00	1.143	-	-	0.08	0.986	1.127
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	166300	831.5	1	23.23	24.00	1.194	-	-	0.09	0.259	0.309
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	23mm	Ant 0	-	DSI4	166300	831.5	1	23.23	24.00	1.194	-	-	-0.03	0.239	0.285
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	-	DSI3/3 Sim	166300	831.5	1	21.22	22.00	1.197	-	-	-0.12	0.383	0.458
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	166300	831.5	1	21.22	22.00	1.197	-	-	-0.17	0.676	0.809
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 0	-	DSI3/3 Sim	166300	831.5	1	21.06	22.00	1.242	-	-	0.05	0.673	0.836
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3	166300	831.5	1	22.42	23.00	1.143	-	-	0.05	0.343	0.392
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	166300	831.5	1	22.42	23.00	1.143	-	-	0.05	0.920	1.051
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 4	-	DSI4	166300	831.5	1	23.34	24.00	1.164	-	-	0.05	0.245	0.285
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	23mm	Ant 4	-	DSI4	166300	831.5	1	23.34	24.00	1.164	-	-	0.07	0.235	0.274
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	-	DSI3	166300	831.5	1	22.21	23.00	1.199	-	-	0.08	0.357	0.428
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI3	166300	831.5	1	22.21	23.00	1.199	-	-	0.04	0.673	0.807
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 4	-	DSI3	166300	831.5	1	22.11	23.00	1.227	-	-	-0.12	0.626	0.768
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	166300	831.5	1	21.49	22.00	1.125	-	-	-0.05	0.278	0.313
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	166300	831.5	1	21.49	22.00	1.125	-	-	0.05	0.807	0.908
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	166300	831.5	1	21.23	22.00	1.194	-	-	0.01	0.262	0.313
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	166300	831.5	1	21.23	22.00	1.194	-	-	0.05	0.589	0.703
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	166300	831.5	1	21.18	22.00	1.208	-	-	-0.1	0.565	0.682
1750MHZ																						
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3	1413	1732.6	1	18.28	19.00	1.180	-	-	0.11	0.866	1.022
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3	1413	1732.6	1	18.28	19.00	1.180	-	-	-0.12	0.947	1.118
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3	1312	1712.4	1	18.02	19.00	1.253	-	-	-0.08	0.807	1.011
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3	1513	1752.6	1	18.27	19.00	1.183	-	-	-0.17	0.834	0.987
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3	1312	1712.4	1	18.02	19.00	1.253	-	-	-0.08	0.688	0.862
77	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3	1513	1752.6	1	18.27	19.00	1.183	-	-	-0.17	1.060	1.254
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI3	1513	1752.6	1	18.27	19.00	1.183	-	-	-0.17	0.935	1.106
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	-	DSI4	1413	1732.6	1	23.47	24.00	1.130	-	-	0.03	0.138	0.156
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 0	-	DSI4	1513	1752.6	1	23.44	24.00	1.138	-	-	-0.15	0.068	0.077
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3 Sim	1413	1732.6	1	16.75	17.50	1.189	-	-	0.11	0.582	0.692
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3 Sim	1413	1732.6	1	16.75	17.50	1.189	-	-	-0.12	0.607	0.721
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	-	DSI3	1413	1732.6	1	21.30	22.00	1.175	-	-	-0.08	0.462	0.543
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	1413	1732.6	1	21.30	22.00	1.175	-	-	0.04	0.848	0.996
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	1312	1712.4	1	21.12	22.00	1.225	-	-	0.11	0.815	0.998
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	1513	1752.6	1	21.24	22.00	1.191	-	-	0.02	0.976	1.163
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	-	DSI4	1413	1732.6	1	23.54	24.00	1.112	-	-	0.03	0.241	0.268
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 4	-	DSI4	1513	1752.6	1	23.51	24.00	1.119	-	-	0.09	0.133	0.149
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	-	DSI3 Sim	1413	1732.6	1	18.83	19.50	1.167	-	-	-0.08	0.265	0.309
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3 Sim	1413	1732.6	1	18.83	19.50	1.167	-	-	0.04	0.530	0.618
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	132322	1745	1	17.19	18.00	1.205	-	-	-0.12	0.705	0.850
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	132322	1745	1	17.19	18.00	1.205	-	-	-0.17	0.778	0.938
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	132072	1720	1	17.01	18.00	1.256	-	-	-0.02	0.674	0.847
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	132572	1770	1	17.16	18.00	1.213	-	-	0.02	0.651	0.790
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	132072	1720	1	17.01	18.00	1.256	-	-	-0.02	0.605	0.760
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	132572	1770	1	17.16	18.00	1.213	-	-	0.02	0.966	1.172
	LTE Band 66B	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	132322 132229	1745 1735.7	1	17.11	18.00	1.227	-	-	0.05	0.832	1.021
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	132322 132124	1745 1725.2	1	17.21	18.00	1.199	-	-	0.07	0.851	1.021
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	132322	1745	1	23.38	24.00	1.153	-	-	0.13	0.653	0.753
	LTE Band 66	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	DSI4	132572	1770	1	23.26	24.00	1.186	-	-	0.05	0.438	0.519
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	132322	1745	1	17.15	18.00	1.216	-	-	0.14	0.709	0.862
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	132322	1745	1	17.15	18.00	1.216	-	-	-0.02	0.803	0.977
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	132072	1720	1	16.94	18.00	1.276	-	-	-0.17	0.637	0.813
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	132572	1770	1	17.11	18.00	1.227	-	-	-0.02	0.684	0.840
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	132072	1720	1	16.94	18.00	1.276	-	-	0.03	0.725	0.925
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	132572	1770	1	17.11	18.00	1.227	-	-	-0.08	0.759	0.932
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	DSI3	132322	1745	1	17.08	18.00	1.236	-	-	-0.09	0.712	0.880



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI3	132322	1745	1	17.08	18.00	1.236	-	-	0.18	0.810	1.001
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3 Sim	132322	1745	1	16.34	17.00	1.164	-	-	-0.12	0.560	0.652
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3 Sim	132322	1745	1	16.34	17.00	1.164	-	-	-0.17	0.578	0.673
	LTE Band 66B	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3 Sim	132322 132229	1745 1735.7	1	16.09	17.00	1.233	-	-	0.05	0.513	0.633
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3 Sim	132322 132124	1745 1725.2	1	16.05	17.00	1.245	-	-	0.07	0.486	0.605
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3 Sim	132322	1745	1	16.15	17.00	1.216	-	-	0.14	0.576	0.701
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3 Sim	132322	1745	1	16.15	17.00	1.216	-	-	-0.02	0.588	0.715
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	132322	1745	1	21.33	22.00	1.167	-	-	0.14	0.479	0.559
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	132322	1745	1	21.33	22.00	1.167	-	-	0.1	0.942	1.099
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	132072	1720	1	21.12	22.00	1.225	-	-	0.16	0.908	1.112
78	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	132572	1770	1	21.30	22.00	1.175	-	-	-0.07	1.040	1.222
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	Headset	DSI3	132572	1770	1	21.30	22.00	1.175	-	-	-0.07	0.945	1.110
	LTE Band 66B	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	132322 132229	1745 1735.7	1	21.17	22.00	1.211	-	-	0.08	0.702	0.850
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	132322 132124	1745 1725.2	1	21.22	22.00	1.197	-	-	0.05	0.684	0.819
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	132322	1745	1	23.37	24.00	1.156	-	-	0.05	0.227	0.262
	LTE Band 66	20M	QPSK	1	0	-	Back	23mm	Ant 4	-	DSI4	132572	1770	1	23.35	24.00	1.161	-	-	-0.09	0.120	0.139
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	132322	1745	1	21.30	22.00	1.175	-	-	-0.04	0.482	0.566
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	132322	1745	1	21.30	22.00	1.175	-	-	0.09	0.899	1.056
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	132072	1720	1	21.08	22.00	1.236	-	-	-0.04	0.853	1.054
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	132572	1770	1	21.13	22.00	1.222	-	-	-0.03	0.875	1.069
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI3	132322	1745	1	21.26	22.00	1.186	-	-	0.18	0.874	1.036
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	132322	1745	1	18.84	19.50	1.164	-	-	0.14	0.268	0.312
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	132322	1745	1	18.84	19.50	1.164	-	-	0.1	0.410	0.477
	LTE Band 66B	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	132322 132229	1745 1735.7	1	18.55	19.50	1.245	-	-	0.05	0.384	0.478
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	132322 132124	1745 1725.2	1	18.62	19.50	1.225	-	-	-0.04	0.403	0.494
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3 Sim	132322	1745	1	18.68	19.50	1.208	-	-	-0.04	0.258	0.312
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3 Sim	132322	1745	1	18.68	19.50	1.208	-	-	0.09	0.386	0.466
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.47	21.00	1.130	-	-	0.18	0.674	0.761
79	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.47	21.00	1.130	-	-	0.04	1.110	1.254
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3	340500	1702.5	2	20.47	21.00	1.130	-	-	0.05	0.902	1.019
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	Headset	DSI3	340500	1702.5	1	20.47	21.00	1.130	-	-	0.04	0.835	0.943
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	340500	1702.5	1	23.38	24.00	1.153	-	-	-0.15	0.426	0.491
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	23mm	Ant 0	-	DSI4	340500	1702.5	1	23.38	24.00	1.153	-	-	0.03	0.202	0.233
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.40	21.00	1.148	-	-	0.05	0.606	0.696
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.40	21.00	1.148	-	-	0.02	0.653	0.750
	FR1 n70	15M	QPSK	75	0	DFT-15	Back	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.31	21.00	1.172	-	-	-0.14	0.640	0.750
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3 Sim	340500	1702.5	1	18.44	19.00	1.138	-	-	0.18	0.535	0.609
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	340500	1702.5	1	18.44	19.00	1.138	-	-	0.12	0.576	0.655
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 0	-	DSI3 Sim	340500	1702.5	1	18.32	19.00	1.169	-	-	0.05	0.581	0.679
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	340500	1702.5	1	18.32	19.00	1.169	-	-	0.02	0.613	0.717
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3	340500	1702.5	1	21.20	22.00	1.202	-	-	0.17	0.468	0.563
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	340500	1702.5	1	21.20	22.00	1.202	-	-	0.03	0.984	1.183
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	15mm	Ant 4	-	DSI4	340500	1702.5	1	23.30	24.00	1.175	-	-	-0.12	0.149	0.175
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	23mm	Ant 4	-	DSI4	340500	1702.5	1	23.30	24.00	1.175	-	-	0.05	0.088	0.103
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 4	-	DSI3	340500	1702.5	1	21.17	22.00	1.211	-	-	-0.07	0.451	0.546
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 4	-	DSI3	340500	1702.5	1	21.17	22.00	1.211	-	-	-0.08	0.984	1.191
	FR1 n70	15M	QPSK	75	0	DFT-15	Back	5mm	Ant 4	-	DSI3	340500	1702.5	1	21.08	22.00	1.236	-	-	0.03	0.880	1.088
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	340500	1702.5	1	19.39	20.00	1.151	-	-	0.17	0.419	0.482
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	340500	1702.5	1	19.39	20.00	1.151	-	-	0.12	0.662	0.762
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	-0.07	0.269	0.315
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	340500	1702.5	1	19.31	20.00	1.172	-	-	-0.08	0.469	0.550
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3	349000	1745	1	18.36	19.00	1.159	-	-	-0.01	0.787	0.912
80	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3	349000	1745	1	18.36	19.00	1.159	-	-	0.05	1.080	1.251
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	Headset	DSI3	349000	1745	1	18.36	19.00	1.159	-	-	0.05	0.954	1.105
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	349000	1745	1	23.39	24.00	1.151	-	-	0.07	0.610	0.702



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n66	40M	QPSK	1	1	DFT-15	Back	23mm	Ant 0	-	DSI4	349000	1745	1	23.39	24.00	1.151	-	-	0.02	0.295	0.339
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	-	DSI3	349000	1745	1	18.23	19.00	1.194	-	-	-0.06	0.768	0.917
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	-	DSI3	349000	1745	1	18.23	19.00	1.194	-	-	-0.04	1.020	1.218
	FR1 n66	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 0	-	DSI3	349000	1745	1	18.19	19.00	1.205	-	-	0.05	0.766	0.923
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	-	DSI3	349000	1745	1	18.19	19.00	1.205	-	-	-0.13	0.975	1.175
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3 Sim	349000	1745	1	17.45	18.00	1.135	-	-	-0.01	0.612	0.695
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	349000	1745	1	17.45	18.00	1.135	-	-	0.05	0.692	0.785
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	-	DSI3 Sim	349000	1745	1	17.16	18.00	1.213	-	-	-0.06	0.573	0.695
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	349000	1745	1	17.16	18.00	1.213	-	-	-0.04	0.746	0.905
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	349000	1745	1	17.11	18.00	1.227	-	-	-0.13	0.737	0.905
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3	349000	1745	1	20.19	21.00	1.205	-	-	0.15	0.415	0.500
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	349000	1745	1	20.19	21.00	1.205	-	-	-0.09	0.911	1.098
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 4	-	DSI4	349000	1745	1	23.24	24.00	1.191	-	-	0.05	0.164	0.195
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	23mm	Ant 4	-	DSI4	349000	1745	1	23.24	24.00	1.191	-	-	0.01	0.091	0.108
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI3	349000	1745	1	19.91	21.00	1.285	-	-	-0.1	0.458	0.589
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI3	349000	1745	1	19.91	21.00	1.285	-	-	-0.14	0.712	0.915
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 4	-	DSI3	349000	1745	1	19.76	21.00	1.330	-	-	-0.09	0.734	0.977
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	349000	1745	1	18.79	19.50	1.178	-	-	0.15	0.293	0.345
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	349000	1745	1	18.79	19.50	1.178	-	-	-0.09	0.445	0.524
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	349000	1745	1	18.48	19.50	1.265	-	-	-0.1	0.325	0.411
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	349000	1745	1	18.48	19.50	1.265	-	-	-0.14	0.484	0.612
1900 MHZ																						
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 0	-	DSI3	810	1909.8	1	24.28	25.00	1.180	-	-	0.04	0.488	0.576
81	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3	810	1909.8	1	24.28	25.00	1.180	-	-	-0.14	1.030	1.216
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3	512	1850.2	1	24.03	25.00	1.250	-	-	0.17	0.892	1.115
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3	661	1880	1	24.15	25.00	1.216	-	-	0.02	0.862	1.048
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	Headset	DSI3	810	1909.8	1	24.28	25.00	1.180	-	-	-0.14	0.654	0.772
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 0	-	DSI4	810	1909.8	1	27.91	28.50	1.146	-	-	-0.03	0.078	0.089
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	23mm	Ant 0	-	DSI4	810	1909.8	1	27.91	28.50	1.146	-	-	0.12	0.044	0.050
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 0	-	DSI3 Sim	810	1909.8	1	22.56	23.50	1.242	-	-	0.04	0.341	0.423
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3 Sim	810	1909.8	1	22.56	23.50	1.242	-	-	-0.14	0.710	0.882
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3 Sim	512	1850.2	1	22.55	23.50	1.245	-	-	0.17	0.654	0.814
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 0	-	DSI3 Sim	661	1880	1	22.51	23.50	1.256	-	-	0.02	0.627	0.788
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 4	-	DSI3	810	1909.8	1	24.75	25.50	1.189	-	-	0.1	0.607	0.721
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	810	1909.8	1	24.75	25.50	1.189	-	-	0.08	0.938	1.115
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	512	1850.2	1	24.28	25.50	1.324	-	-	-0.01	0.382	0.506
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3	661	1880	1	24.66	25.50	1.213	-	-	0.06	0.583	0.707
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 4	-	DSI4	810	1909.8	1	26.86	27.50	1.159	-	-	0.08	0.210	0.243
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	23mm	Ant 4	-	DSI4	810	1909.8	1	26.86	27.50	1.159	-	-	-0.12	0.126	0.146
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 4	-	DSI3 Sim	810	1909.8	1	22.63	23.50	1.222	-	-	0.1	0.359	0.439
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 4	-	DSI3 Sim	810	1909.8	1	22.63	23.50	1.222	-	-	0.05	0.418	0.511
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3	9400	1880	1	17.47	18.00	1.130	-	-	0.1	0.593	0.670
82	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3	9400	1880	1	17.47	18.00	1.130	-	-	0.05	1.040	1.175
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3	9262	1852.4	1	17.46	18.00	1.132	-	-	-0.09	0.830	0.940
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3	9538	1907.6	1	17.45	18.00	1.135	-	-	0.04	1.000	1.135
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	-	DSI4	9400	1880	1	23.30	24.00	1.175	-	-	-0.03	0.081	0.095
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 0	-	DSI4	9400	1880	1	23.30	24.00	1.175	-	-	-0.02	0.063	0.074
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI3 Sim	9400	1880	1	16.32	17.00	1.169	-	-	0.1	0.419	0.490
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI3 Sim	9400	1880	1	16.32	17.00	1.169	-	-	0.05	0.635	0.743
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	-	DSI3	9400	1880	1	17.25	18.00	1.189	-	-	0.11	0.491	0.584
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	9400	1880	1	17.25	18.00	1.189	-	-	0.17	0.883	1.049
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	9262	1852.4	1	17.23	18.00	1.194	-	-	0.02	0.652	0.778
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3	9538	1907.6	1	17.04	18.00	1.247	-	-	0.07	0.896	1.118
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	-	DSI4	9400	1880	1	23.09	24.00	1.233	-	-	-0.02	0.540	0.666
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 4	-	DSI4	9538	1907.6	1	22.71	24.00	1.346	-	-	-0.16	0.323	0.435
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 4	-	DSI3 Sim	9400	1880	1	14.81	15.50	1.172	-	-	0.11	0.275	0.322



FCC SAR Test Report

Report No. : FA2N1810

	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 4	-	DSI3 Sim	9400	1880	1	14.81	15.50	1.172	-	-	0.17	0.564	0.661
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3	26340	1880	1	16.05	16.90	1.216	-	-	-0.03	0.435	0.529
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	26340	1880	1	16.05	16.90	1.216	-	-	-0.11	0.716	0.871
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	26140	1860	1	15.95	16.90	1.245	-	-	0.09	0.430	0.535
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3	26590	1905	1	15.96	16.90	1.242	-	-	-0.01	0.865	1.074
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	26340	1880	1	23.35	24.00	1.161	-	-	0.11	0.460	0.534
	LTE Band 25	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	DSI4	26590	1905	1	23.23	24.00	1.194	-	-	0.08	0.360	0.430
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3	26340	1880	1	15.97	16.90	1.239	-	-	0.08	0.442	0.548
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	26340	1880	1	15.97	16.90	1.239	-	-	-0.11	0.754	0.934
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	26140	1860	1	15.85	16.90	1.274	-	-	0.18	0.635	0.809
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3	26590	1905	1	15.90	16.90	1.259	-	-	0.05	0.705	0.888
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI3	26340	1880	1	15.92	16.90	1.253	-	-	0.02	0.773	0.969
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI3 Sim	26340	1880	1	16.05	16.90	1.216	-	-	-0.03	0.420	0.511
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI3 Sim	26340	1880	1	16.05	16.90	1.216	-	-	-0.11	0.648	0.788
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI3 Sim	26340	1880	1	15.97	16.90	1.239	-	-	0.08	0.434	0.538
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3 Sim	26340	1880	1	15.97	16.90	1.239	-	-	-0.11	0.686	0.850
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3 Sim	26140	1860	1	15.85	16.90	1.274	-	-	0.03	0.614	0.782
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI3 Sim	26590	1905	1	15.90	16.90	1.259	-	-	-0.17	0.642	0.808
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI3 Sim	26340	1880	1	15.92	16.90	1.253	-	-	0.02	0.708	0.887
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	26340	1880	1	17.92	19.00	1.282	-	-	-0.08	0.747	0.958
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	26140	1860	1	17.89	19.00	1.291	-	-	0.05	0.684	0.883
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	26590	1905	1	17.63	19.00	1.371	-	-	-0.02	0.705	0.966
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	26340	1880	1	17.92	19.00	1.282	-	-	-0.11	0.762	0.977
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	26140	1860	1	17.89	19.00	1.291	-	-	0.18	0.722	0.932
83	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	26590	1905	1	17.63	19.00	1.371	-	-	0.06	0.911	1.249
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	Headset	DSI3	26590	1905	1	17.63	19.00	1.371	-	-	0.04	0.895	1.227
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	26590	1905	1	22.50	24.00	1.413	-	-	0.03	0.489	0.691
	LTE Band 25	20M	QPSK	1	0	-	Back	23mm	Ant 4	-	DSI4	26590	1905	1	22.50	24.00	1.413	-	-	-0.11	0.300	0.424
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	26340	1880	1	17.70	19.00	1.349	-	-	0.01	0.650	0.877
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	26140	1860	1	17.42	19.00	1.439	-	-	0.12	0.612	0.881
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	26590	1905	1	17.35	19.00	1.462	-	-	-0.08	0.623	0.911
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	26340	1880	1	17.70	19.00	1.349	-	-	0.05	0.781	1.054
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	26140	1860	1	17.42	19.00	1.439	-	-	0.05	0.713	1.026
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	26590	1905	1	17.35	19.00	1.462	-	-	0.07	0.735	1.075
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 4	-	DSI3	26340	1880	1	17.77	19.00	1.327	-	-	-0.1	0.658	0.873
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI3	26340	1880	1	17.77	19.00	1.327	-	-	0.04	0.796	1.057
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	26340	1880	1	14.39	16.00	1.449	-	-	-0.08	0.289	0.419
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26340	1880	1	14.39	16.00	1.449	-	-	-0.11	0.361	0.523
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3 Sim	26340	1880	1	14.35	16.00	1.462	-	-	0.01	0.265	0.387
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3 Sim	26340	1880	1	14.35	16.00	1.462	-	-	0.05	0.341	0.499
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3	376500	1882.5	1	17.84	18.50	1.164	-	-	-0.17	0.576	0.671
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3	376500	1882.5	1	17.84	18.50	1.164	-	-	0.14	0.995	1.158
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	376500	1882.5	1	23.39	24.00	1.151	-	-	0.03	0.441	0.508
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	23mm	Ant 0	-	DSI4	376500	1882.5	1	23.39	24.00	1.151	-	-	0.15	0.344	0.396
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	-	DSI3	376500	1882.5	1	17.80	18.50	1.175	-	-	-0.01	0.606	0.712
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	-	DSI3	376500	1882.5	1	17.80	18.50	1.175	-	-	0.17	0.999	1.174
	FR1 n25	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	-	DSI3	376500	1882.5	1	17.75	18.50	1.189	-	-	-0.06	1.010	1.200
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI3 Sim	376500	1882.5	1	17.01	17.50	1.119	-	-	-0.17	0.443	0.496
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	376500	1882.5	1	17.01	17.50	1.119	-	-	0.14	0.711	0.796
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	-	DSI3 Sim	376500	1882.5	1	16.88	17.50	1.153	-	-	-0.01	0.470	0.542
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	376500	1882.5	1	16.88	17.50	1.153	-	-	0.17	0.767	0.885
	FR1 n25	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	-	DSI3 Sim	376500	1882.5	1	16.93	17.50	1.140	-	-	-0.06	0.796	0.908
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.42	19.00	1.143	-	-	-0.12	0.643	0.735
84	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.42	19.00	1.143	-	-	0.11	1.090	1.246
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	Headset	DSI3	376500	1882.5	1	18.42	19.00	1.143	-	-	-0.05	0.951	1.087
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 4	-	DSI4	376500	1882.5	1	23.43	24.00	1.140	-	-	0.05	0.396	0.452



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n25	40M	QPSK	1	1	DFT-15	Back	23mm	Ant 4	-	DSI4	376500	1882.5	1	23.43	24.00	1.140	-	-	0.08	0.239	0.273
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.14	19.00	1.219	-	-	-0.17	0.736	0.897
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.14	19.00	1.219	-	-	-0.16	0.983	1.198
	FR1 n25	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.27	19.00	1.183	-	-	-0.09	0.753	0.891
	FR1 n25	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.27	19.00	1.183	-	-	0.12	1.030	1.219
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	376500	1882.5	1	15.61	16.00	1.094	-	-	-0.12	0.405	0.443
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	376500	1882.5	1	15.61	16.00	1.094	-	-	-0.16	0.572	0.626
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	376500	1882.5	1	15.58	16.00	1.102	-	-	-0.17	0.457	0.503
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	376500	1882.5	1	15.58	16.00	1.102	-	-	-0.16	0.631	0.695
2300MHZ																						
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3/3 Sim	27710	2310	1	19.48	20.00	1.127	-	-	0.1	0.368	0.415
85	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	27710	2310	1	19.48	20.00	1.127	-	-	-0.06	0.938	1.057
	LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	27710	2310	1	23.41	24.00	1.146	-	-	-0.04	0.202	0.231
	LTE Band 30	10M	QPSK	1	0	-	Back	23mm	Ant 1	-	DSI4	27710	2310	1	23.41	24.00	1.146	-	-	-0.18	0.161	0.184
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	DSI3/3 Sim	27710	2310	1	19.47	20.00	1.130	-	-	0.02	0.372	0.420
	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	27710	2310	1	19.47	20.00	1.130	-	-	-0.11	0.865	0.977
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	27710	2310	1	19.30	20.00	1.175	-	-	-0.16	0.879	1.033
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	27710	2310	1	14.51	15.00	1.119	-	-	-0.1	0.578	0.647
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	27710	2310	1	14.51	15.00	1.119	-	-	0.05	0.890	0.996
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	27710	2310	1	23.54	24.00	1.112	-	-	-0.15	0.102	0.113
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Back	23mm	Ant 4	-	DSI4	27710	2310	1	23.54	24.00	1.112	-	-	0.09	0.178	0.198
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3	27710	2310	1	14.49	15.00	1.125	-	-	-0.08	0.394	0.443
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3	27710	2310	1	14.49	15.00	1.125	-	-	0.12	0.708	0.796
	LTE Band 30_ENDC	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	27710	2310	1	14.34	15.00	1.164	-	-	0.02	0.723	0.842
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	27710	2310	1	13.04	13.50	1.112	-	-	-0.1	0.239	0.266
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	27710	2310	1	13.04	13.50	1.112	-	-	-0.12	0.440	0.489
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI3 Sim	27710	2310	1	12.86	13.50	1.159	-	-	-0.08	0.246	0.285
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI3 Sim	27710	2310	1	12.86	13.50	1.159	-	-	0.12	0.340	0.394
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI3/3 Sim	462000	2310	1	18.76	19.50	1.186	-	-	-0.07	0.318	0.377
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI3/3 Sim	462000	2310	1	18.76	19.50	1.186	-	-	0.06	0.964	1.143
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	-	DSI4	462000	2310	1	23.39	24.00	1.151	-	-	0.04	0.199	0.229
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	23mm	Ant 1	-	DSI4	462000	2310	1	23.39	24.00	1.151	-	-	-0.09	0.139	0.160
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 1	-	DSI3/3 Sim	462000	2310	1	18.55	19.50	1.245	-	-	-0.16	0.340	0.423
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 1	-	DSI3/3 Sim	462000	2310	1	18.55	19.50	1.245	-	-	0.11	0.682	0.849
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 1	-	DSI3/3 Sim	462000	2310	1	18.43	19.50	1.279	-	-	0.1	0.694	0.888
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3	462000	2310	1	15.58	16.50	1.236	-	-	0.15	0.416	0.514
86	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	462000	2310	1	15.58	16.50	1.236	-	-	-0.07	0.975	1.205
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	Headset	DSI3	462000	2310	1	15.58	16.50	1.236	-	-	-0.04	0.913	1.128
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 4	-	DSI4	462000	2310	1	22.94	24.00	1.276	-	-	0.11	0.165	0.211
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Back	23mm	Ant 4	-	DSI4	462000	2310	1	22.94	24.00	1.276	-	-	0.1	0.217	0.277
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 4	-	DSI3	462000	2310	1	15.43	16.50	1.279	-	-	-0.15	0.412	0.527
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 4	-	DSI3	462000	2310	1	15.43	16.50	1.279	-	-	-0.05	0.842	1.077
	FR1 n30_ENDC	10M	QPSK	50	0	DFT-15	Back	5mm	Ant 4	-	DSI3	462000	2310	1	15.42	16.50	1.282	-	-	0.05	0.821	1.053
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	462000	2310	1	12.97	14.00	1.268	-	-	0.15	0.220	0.279
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	462000	2310	1	12.97	14.00	1.268	-	-	-0.07	0.457	0.579
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	462000	2310	1	12.57	14.00	1.390	-	-	-0.15	0.226	0.314
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	462000	2310	1	12.57	14.00	1.390	-	-	-0.05	0.472	0.656
2600MHZ																						
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3/3 Sim	21100	2535	1	16.95	17.80	1.216	-	-	0.02	0.354	0.431
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	21100	2535	1	16.95	17.80	1.216	-	-	-0.13	0.736	0.895
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	20850	2510	1	16.62	17.80	1.312	-	-	-0.18	0.585	0.768
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	21350	2560	1	16.69	17.80	1.291	-	-	0.05	0.837	1.081
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	21100 20902	2535 2515.2	1	16.76	17.80	1.271	-	-	0.08	0.754	0.958
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	21100	2535	1	23.13	24.00	1.222	-	-	0.02	0.352	0.430
	LTE Band 7	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	DSI4	21350	2560	1	23.09	24.00	1.233	-	-	-0.13	0.235	0.290
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3/3 Sim	21100	2535	1	16.92	17.80	1.225	-	-	0.06	0.369	0.452



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	21100	2535	1	16.92	17.80	1.225	-	-	0.06	0.640	0.784
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	21100	2535	1	16.91	17.80	1.227	-	-	0.11	0.650	0.798
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3	21100	2535	1	14.87	16.00	1.297	-	-	-0.01	0.323	0.419
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	21100	2535	1	14.87	16.00	1.297	-	-	-0.13	0.680	0.882
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	20850	2510	1	14.81	16.00	1.315	-	-	-0.01	0.563	0.740
87	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3	21350	2560	1	14.86	16.00	1.300	-	-	0.07	0.877	1.140
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	DSI4	21100	2535	1	22.75	24.00	1.334	-	-	-0.01	0.333	0.444
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	23mm	Ant 4	-	DSI4	21350	2560	1	22.68	24.00	1.355	-	-	-0.13	0.328	0.445
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3	21100	2535	1	14.83	16.00	1.309	-	-	-0.14	0.365	0.478
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3	21100	2535	1	14.83	16.00	1.309	-	-	-0.05	0.692	0.906
	LTE Band 7_ENDC	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI3	21100	2535	1	14.81	16.00	1.315	-	-	-0.05	0.672	0.884
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI3 Sim	21100	2535	1	11.81	13.00	1.315	-	-	-0.01	0.171	0.225
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI3 Sim	21100	2535	1	11.81	13.00	1.315	-	-	-0.13	0.316	0.416
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI3 Sim	21100	2535	1	11.75	13.00	1.334	-	-	-0.14	0.161	0.215
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI3 Sim	21100	2535	1	11.75	13.00	1.334	-	-	-0.05	0.307	0.409
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI3/3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.06	0.366	0.484
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.09	0.772	1.021
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	39750	2506	1	17.61	19.10	1.409	62.9	1.006	-0.06	0.707	1.002
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	40185	2549.5	1	17.63	19.10	1.403	62.9	1.006	0.02	0.744	1.050
88	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	40620	2593	1	17.71	19.10	1.377	62.9	1.006	-0.03	0.821	1.137
	LTE Band 41C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	41490 41292	2680 2660.2	1	18.35	19.10	1.189	62.9	1.006	-0.03	0.714	0.854
	LTE Band 41_PC2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	40620	2593	1	19.53	20.70	1.309	42.9	1.009	-0.07	0.783	1.034
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	41055	2636.5	1	17.73	19.10	1.371	62.9	1.006	-0.14	0.752	1.037
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	DSI4	41490	2680	1	23.35	24.00	1.161	62.9	1.006	0.06	0.137	0.160
	LTE Band 41	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	DSI4	40620	2593	1	23.18	24.00	1.208	62.9	1.006	0.09	0.112	0.136
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI3/3 Sim	41490	2680	1	17.89	19.10	1.321	62.9	1.006	0.15	0.367	0.488
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	41490	2680	1	17.89	19.10	1.321	62.9	1.006	-0.17	0.779	1.035
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	39750	2506	1	17.68	19.10	1.387	62.9	1.006	-0.08	0.752	1.049
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	40185	2549.5	1	17.75	19.10	1.365	62.9	1.006	0.09	0.684	0.939
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	40620	2593	1	17.74	19.10	1.368	62.9	1.006	0.12	0.703	0.967
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	41055	2636.5	1	17.79	19.10	1.352	62.9	1.006	0.07	0.723	0.983
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI3/3 Sim	41490	2680	1	17.91	19.10	1.315	62.9	1.006	0.03	0.766	1.014
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI3/3 Sim	507000	2535	1	17.22	18.00	1.197	-	-	-0.03	0.429	0.513
89	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI3/3 Sim	507000	2535	1	17.22	18.00	1.197	-	-	0.05	1.020	1.221
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	Headset	DSI3/3 Sim	507000	2535	1	17.22	18.00	1.197	-	-	0.02	0.945	1.131
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	-	DSI4	507000	2535	1	23.07	24.00	1.239	-	-	0.06	0.374	0.463
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	23mm	Ant 1	-	DSI4	507000	2535	1	23.07	24.00	1.239	-	-	0.1	0.241	0.299
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	-	DSI3/3 Sim	507000	2535	1	17.05	18.00	1.245	-	-	-0.17	0.411	0.511
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	-	DSI3/3 Sim	507000	2535	1	17.05	18.00	1.245	-	-	-0.09	0.749	0.932
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 1	-	DSI3/3 Sim	507000	2535	1	16.98	18.00	1.265	-	-	0.02	0.783	0.990
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3	507000	2535	1	15.73	16.50	1.194	-	-	-0.13	0.330	0.394
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	507000	2535	1	15.73	16.50	1.194	-	-	-0.03	0.888	1.060
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 4	-	DSI4	507000	2535	1	23.21	24.00	1.199	-	-	-0.13	0.388	0.465
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Back	23mm	Ant 4	-	DSI4	507000	2535	1	23.21	24.00	1.199	-	-	0.03	0.347	0.416
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI3	507000	2535	1	15.68	16.50	1.208	-	-	0.1	0.332	0.401
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI3	507000	2535	1	15.68	16.50	1.208	-	-	-0.07	0.692	0.836
	FR1 n7_ENDC	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 4	-	DSI3	507000	2535	1	15.51	16.50	1.256	-	-	-0.07	0.700	0.879
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	507000	2535	1	13.73	14.50	1.194	-	-	-0.13	0.259	0.309
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	507000	2535	1	13.73	14.50	1.194	-	-	0.03	0.463	0.553
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI3 Sim	507000	2535	1	13.72	14.50	1.197	-	-	0.1	0.250	0.299
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI3 Sim	507000	2535	1	13.72	14.50	1.197	-	-	-0.07	0.466	0.558
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	0.06	0.430	0.562
90	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	0.18	0.945	1.234
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	2	16.34	17.50	1.306	-	-	0.18	0.682	0.891
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	1	19.45	20.50	1.274	50	1.000	-0.01	0.894	1.139
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 1	Headset	DSI3/3 Sim	518598	2592.99	1	16.34	17.50	1.306	-	-	0.05	0.841	1.098



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	-	DSI4	518598	2592.99	1	23.01	24.00	1.256	-	-	0.06	0.329	0.413
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	23mm	Ant 1	-	DSI4	518598	2592.99	1	23.01	24.00	1.256	-	-	0.18	0.249	0.313
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	1	16.19	17.50	1.352	-	-	0.04	0.436	0.590
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	1	16.19	17.50	1.352	-	-	0.18	0.798	1.079
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	518598	2592.99	1	16.12	17.50	1.374	-	-	0.17	0.808	1.110
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 2	-	DSI3	518598	2592.99	1	17.26	18.50	1.330	-	-	-0.14	0.040	0.053
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	-	DSI3	518598	2592.99	1	17.26	18.50	1.330	-	-	-0.17	0.905	1.204
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	-	DSI3	518598	2592.99	1	20.43	21.50	1.279	50	1.000	-0.17	0.869	1.112
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	Headset	DSI3	518598	2592.99	1	17.26	18.50	1.330	-	-	-0.17	0.903	1.201
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 2	-	DSI4	518598	2592.99	1	20.19	21.50	1.352	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	23mm	Ant 2	-	DSI4	518598	2592.99	1	20.19	21.50	1.352	-	-	0.08	0.098	0.133
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI3	518598	2592.99	1	17.15	18.50	1.365	-	-	-0.01	0.036	0.049
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3	518598	2592.99	1	17.15	18.50	1.365	-	-	-0.05	0.616	0.841
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	-	DSI3	518598	2592.99	1	17.12	18.50	1.374	-	-	0.08	0.608	0.835
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 2	-	DSI3 Sim	518598	2592.99	1	15.87	17.00	1.297	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	518598	2592.99	1	15.87	17.00	1.297	-	-	-0.17	0.678	0.879
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	518598	2592.99	1	18.94	20.00	1.276	50	1.000	0.04	0.651	0.831
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI3 Sim	518598	2592.99	1	15.68	17.00	1.355	-	-	-	n/a	n/a
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	518598	2592.99	1	15.68	17.00	1.355	-	-	-0.05	0.445	0.603
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	518598	2592.99	1	15.65	17.00	1.365	-	-	0.18	0.421	0.574
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 4	-	DSI3	518598	2592.99	1	15.18	16.00	1.208	-	-	0.14	0.303	0.366
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 4	-	DSI3	518598	2592.99	1	15.18	16.00	1.208	-	-	-0.14	0.984	1.188
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 4	-	DSI3	518598	2592.99	1	17.84	19.00	1.306	50	1.000	0.05	0.859	1.122
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 4	-	DSI4	518598	2592.99	1	17.63	18.50	1.222	-	-	0.09	0.104	0.127
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	23mm	Ant 4	-	DSI4	518598	2592.99	1	17.63	18.50	1.222	-	-	0.01	0.095	0.116
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	-	DSI3	518598	2592.99	1	14.89	16.00	1.291	-	-	-0.06	0.304	0.393
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	-	DSI3	518598	2592.99	1	14.89	16.00	1.291	-	-	0.12	0.616	0.795
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 4	-	DSI3	518598	2592.99	1	14.11	16.00	1.545	-	-	-0.15	0.617	0.953
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 4	-	DSI3 Sim	518598	2592.99	1	12.25	13.50	1.334	-	-	0.14	0.222	0.296
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 4	-	DSI3 Sim	518598	2592.99	1	12.25	13.50	1.334	-	-	-0.14	0.455	0.607
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 4	-	DSI3 Sim	518598	2592.99	1	15.54	16.50	1.247	50	1.000	-0.14	0.452	0.564
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	-	DSI3 Sim	518598	2592.99	1	12.19	13.50	1.352	-	-	-0.06	0.178	0.241
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	-	DSI3 Sim	518598	2592.99	1	12.19	13.50	1.352	-	-	0.12	0.365	0.494
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 7	-	DSI3	518598	2592.99	1	18.17	19.00	1.211	-	-	-0.1	0.181	0.219
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 7	-	DSI3	518598	2592.99	1	18.17	19.00	1.211	-	-	-0.02	0.895	1.083
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 7	-	DSI3	518598	2592.99	1	21.17	22.00	1.211	50	1.000	-0.02	0.856	1.036
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 7	-	DSI4	518598	2592.99	1	21.09	22.00	1.233	-	-	0.09	0.087	0.107
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	23mm	Ant 7	-	DSI4	518598	2592.99	1	21.09	22.00	1.233	-	-	0.04	0.076	0.094
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	-	DSI3	518598	2592.99	1	18.05	19.00	1.245	-	-	-0.03	0.184	0.229
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	-	DSI3	518598	2592.99	1	18.05	19.00	1.245	-	-	-0.18	0.771	0.960
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 7	-	DSI3	518598	2592.99	1	17.89	19.00	1.291	-	-	-0.11	0.713	0.921
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	5mm	Ant 7	-	DSI3 Sim	518598	2592.99	1	17.15	18.00	1.218	-	-	-0.1	0.181	0.220
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 7	-	DSI3 Sim	518598	2592.99	1	17.15	18.00	1.218	-	-	-0.02	0.768	0.935
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 7	-	DSI3 Sim	518598	2592.99	1	20.16	21.00	1.213	50	1.000	-0.02	0.723	0.877
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	-	DSI3 Sim	518598	2592.99	1	17.05	18.00	1.245	-	-	-0.03	0.184	0.229
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	-	DSI3 Sim	518598	2592.99	1	17.05	18.00	1.245	-	-	-0.18	0.771	0.960
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 7	-	DSI3 Sim	518598	2592.99	1	17.01	18.00	1.256	-	-	-0.11	0.713	0.896
3000-4000MHZ																						
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	DSI3	55340	3560	1	19.26	20.00	1.186	62.9	1.006	-0.14	0.284	0.339
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3	55340	3560	1	19.26	20.00	1.186	62.9	1.006	-0.05	0.692	0.825
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3	55830	3609	1	19.06	20.00	1.242	62.9	1.006	-0.11	0.521	0.651
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3	56150	3641	1	19.07	20.00	1.239	62.9	1.006	0.04	0.555	0.692
91	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3	56640	3690	1	19.05	20.00	1.245	62.9	1.006	0.05	0.684	0.856
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3	55830 55632	3609 3589.2	1	19.21	20.00	1.199	62.9	1.006	-0.11	0.391	0.472
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 5	-	DSI4	55340	3560	1	22.25	24.00	1.496	62.9	1.006	0.16	0.177	0.266
	LTE Band 48	20M	QPSK	1	0	-	Back	23mm	Ant 5	-	DSI4	56640	3690	1	22.14	24.00	1.535	62.9	1.006	-0.02	0.127	0.196



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	DSI3	55340	3560	1	19.23	20.00	1.194	62.9	1.006	0.08	0.296	0.356
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI3	55340	3560	1	19.23	20.00	1.194	62.9	1.006	-0.16	0.695	0.835
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI3	55830	3609	1	19.05	20.00	1.245	62.9	1.006	0.04	0.505	0.632
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI3	56150	3641	1	19.04	20.00	1.247	62.9	1.006	0.12	0.533	0.669
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI3	56640	3690	1	18.94	20.00	1.276	62.9	1.006	0.07	0.635	0.815
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 5	-	DSI3	55340	3560	1	19.11	20.00	1.227	62.9	1.006	0.06	0.589	0.727
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	DSI3 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	0.06	0.224	0.250
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3 Sim	55340	3560	1	18.55	19.00	1.109	62.9	1.006	0.11	0.549	0.613
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3 Sim	55830	3609	1	18.35	19.00	1.161	62.9	1.006	0.05	0.412	0.481
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3 Sim	56150	3641	1	18.30	19.00	1.175	62.9	1.006	0.18	0.417	0.493
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3 Sim	56640	3690	1	18.37	19.00	1.156	62.9	1.006	-0.07	0.541	0.629
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI3	55830 55632	3609 3589.2	1	18.35	19.00	1.161	62.9	1.006	0.06	0.305	0.356
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	DSI3 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	-0.1	0.233	0.263
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI3 Sim	55340	3560	1	18.50	19.00	1.122	62.9	1.006	0.17	0.451	0.509
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 5	-	DSI3 Sim	55340	3560	1	18.38	19.00	1.153	62.9	1.006	-0.13	0.499	0.579
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.15	18.00	1.216	-	-	-0.14	0.359	0.437
92	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.15	18.00	1.216	-	-	0.15	0.897	1.091
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	638000	3570	1	16.97	18.00	1.268	-	-	-0.17	0.851	1.079
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	645332	3679.98	1	16.96	18.00	1.271	-	-	0.02	0.833	1.058
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 5	-	DSI4	641666	3624.99	1	23.23	24.00	1.194	-	-	-0.05	0.252	0.301
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	23mm	Ant 5	-	DSI4	641666	3624.99	1	23.23	24.00	1.194	-	-	-0.09	0.245	0.293
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.06	18.00	1.242	-	-	0.04	0.324	0.402
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.06	18.00	1.242	-	-	0.09	0.810	1.006
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	-	DSI3	638000	3570	1	16.76	18.00	1.330	-	-	-0.16	0.706	0.939
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	-	DSI3	645332	3679.98	1	16.79	18.00	1.321	-	-	0.17	0.789	1.043
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.02	18.00	1.253	-	-	-0.12	0.575	0.721
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI3 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-0.11	0.273	0.335
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	641666	3624.99	1	16.11	17.00	1.227	-	-	-0.05	0.723	0.887
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	638000	3570	1	15.93	17.00	1.279	-	-	0.14	0.684	0.875
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	645332	3679.98	1	15.85	17.00	1.303	-	-	0.13	0.673	0.877
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 5	-	DSI3 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	0.11	0.269	0.347
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	641666	3624.99	1	15.90	17.00	1.288	-	-	-0.12	0.625	0.805
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	638000	3570	1	15.66	17.00	1.361	-	-	-0.12	0.566	0.771
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	645332	3679.98	1	15.63	17.00	1.371	-	-	-0.13	0.621	0.851
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	641666	3624.99	1	15.93	17.00	1.279	-	-	0.15	0.582	0.745
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI3	656000	3840	1	15.73	16.50	1.194	-	-	0.11	0.264	0.315
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	656000	3840	1	15.73	16.50	1.194	-	-	0.08	1.040	1.242
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	656000	3840	1	18.77	19.50	1.183	50	1.000	0.06	1.010	1.195
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	Headset	DSI3	656000	3840	1	15.73	16.50	1.194	-	-	0.03	1.010	1.206
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 5	-	DSI4	656000	3840	1	23.34	24.00	1.164	-	-	-0.12	0.515	0.600
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 5	-	DSI4	656000	3840	1	23.34	24.00	1.164	-	-	0.14	0.712	0.829
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	-	DSI3	656000	3840	1	15.52	16.50	1.253	-	-	0.05	0.272	0.341
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	-	DSI3	656000	3840	1	15.52	16.50	1.253	-	-	0.03	0.933	1.169
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI3	656000	3840	1	15.66	16.50	1.213	-	-	0.02	0.978	1.187
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI3 Sim	656000	3840	1	14.56	15.00	1.107	-	-	0.14	0.211	0.233
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	656000	3840	1	14.56	15.00	1.107	-	-	0.08	0.756	0.837
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	-	DSI3 Sim	656000	3840	1	14.36	15.00	1.159	-	-	-0.09	0.212	0.246
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	656000	3840	1	14.36	15.00	1.159	-	-	-0.05	0.712	0.825
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	656000	3840	1	14.53	15.00	1.114	-	-	-0.03	0.752	0.838
	FR1 n77_PC2	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	656000	3840	1	16.85	18.00	1.303	50	1.000	-0.03	0.659	0.859
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.65	16.50	1.216	-	-	0.09	0.737	0.896
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.65	16.50	1.216	-	-	0.12	0.988	1.202
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 5	-	DSI4	633332	3499.98	1	23.35	24.00	1.161	-	-	-0.17	0.383	0.445
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 5	-	DSI4	633332	3499.98	1	23.35	24.00	1.161	-	-	0.13	0.163	0.189
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.54	16.50	1.247	-	-	-0.14	0.651	0.812
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.54	16.50	1.247	-	-	-0.01	0.824	1.028



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n77	100M	QPSK	270	0	DFT-30	Front	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.45	16.50	1.274	-	-	0.01	0.653	0.832
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.45	16.50	1.274	-	-	-0.14	0.974	1.240
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	Headset	DSI3	633332	3499.98	1	15.45	16.50	1.274	-	-	-0.05	0.933	1.188
	FR1 n77_PC2	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI3	633332	3499.98	1	18.37	19.50	1.297	50	1.000	-0.07	0.953	1.236
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI3 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	0.13	0.636	0.792
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	633332	3499.98	1	14.05	15.00	1.245	-	-	0.01	0.784	0.976
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	633332	3499.98	1	17.07	18.00	1.239	50	1.000	-0.01	0.762	0.944
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	-	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	-0.17	0.509	0.645
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	633332	3499.98	1	13.97	15.00	1.268	-	-	-0.17	0.681	0.863
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI3 Sim	633332	3499.98	1	13.89	15.00	1.291	-	-	-0.12	0.653	0.843
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	-	DSI3/3 Sim	656000	3840	1	16.70	17.50	1.202	-	-	-0.12	0.102	0.123
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	656000	3840	1	16.70	17.50	1.202	-	-	0.09	0.821	0.987
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	656000	3840	1	19.71	20.50	1.199	50	1.000	0.15	0.785	0.942
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 1	-	DSI4	656000	3840	1	23.00	24.00	1.259	-	-	0.06	0.082	0.103
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 1	-	DSI4	656000	3840	1	23.00	24.00	1.259	-	-	-0.03	0.278	0.350
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	-	DSI3/3 Sim	656000	3840	1	16.63	17.50	1.222	-	-	0.16	0.094	0.115
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	656000	3840	1	16.63	17.50	1.222	-	-	0.05	0.633	0.773
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	656000	3840	1	16.57	17.50	1.239	-	-	-0.08	0.648	0.803
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	-	DSI3/3 Sim	633332	3499.98	1	16.63	17.50	1.222	-	-	-0.05	0.148	0.181
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	633332	3499.98	1	16.63	17.50	1.222	-	-	-0.09	0.709	0.866
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI3 Sim	633332	3499.98	1	19.67	20.50	1.211	50	1.000	-0.09	0.706	0.855
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 1	-	DSI4	633332	3499.98	1	23.25	24.00	1.189	-	-	0.04	0.061	0.072
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 1	-	DSI4	633332	3499.98	1	23.25	24.00	1.189	-	-	0.17	0.136	0.162
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	-	DSI3/3 Sim	633332	3499.98	1	16.61	17.50	1.227	-	-	0.05	0.125	0.153
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	633332	3499.98	1	16.61	17.50	1.227	-	-	0.16	0.664	0.815
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	-	DSI3/3 Sim	633332	3499.98	1	16.54	17.50	1.247	-	-	-0.14	0.684	0.853
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	-	DSI3	656000	3840	1	14.37	15.50	1.297	-	-	-0.03	0.042	0.054
93	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3	656000	3840	1	14.37	15.50	1.297	-	-	0.18	0.965	1.252
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3	656000	3840	2	14.37	15.50	1.297	-	-	0.05	0.878	1.139
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3	656000	3840	1	17.33	18.50	1.309	50	1.000	0.18	0.921	1.206
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	Headset	DSI3	656000	3840	1	14.37	15.50	1.297	-	-	0.02	0.953	1.236
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 2	-	DSI4	656000	3840	1	22.23	23.00	1.194	-	-	0.17	0.036	0.043
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 2	-	DSI4	656000	3840	1	22.23	23.00	1.194	-	-	-0.06	0.070	0.084
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI3	656000	3840	1	13.84	15.50	1.466	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3	656000	3840	1	13.84	15.50	1.466	-	-	-0.18	0.545	0.799
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	-	DSI3	656000	3840	1	13.84	15.50	1.466	-	-	0.02	0.567	0.831
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	-	DSI3 Sim	656000	3840	1	13.19	14.50	1.352	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	656000	3840	1	13.19	14.50	1.352	-	-	0.13	0.712	0.963
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	656000	3840	1	16.28	17.50	1.324	50	1.000	0.13	0.710	0.940
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI3 Sim	656000	3840	1	12.73	14.50	1.503	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	656000	3840	1	12.73	14.50	1.503	-	-	0.05	0.284	0.427
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	656000	3840	1	12.69	14.50	1.517	-	-	0.14	0.280	0.425
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	-	DSI3	633332	3499.98	1	14.56	15.50	1.242	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3	633332	3499.98	1	14.56	15.50	1.242	-	-	0.05	0.316	0.392
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 2	-	DSI4	633332	3499.98	1	16.72	17.50	1.197	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 2	-	DSI4	633332	3499.98	1	16.72	17.50	1.197	-	-	-0.05	0.064	0.077
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI3	633332	3499.98	1	14.52	15.50	1.253	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3	633332	3499.98	1	14.52	15.50	1.253	-	-	-0.11	0.362	0.454
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3	633332	3499.98	1	17.90	18.50	1.148	50	1.000	-0.11	0.362	0.416
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	-	DSI3 Sim	633332	3499.98	1	13.74	14.50	1.191	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	633332	3499.98	1	13.74	14.50	1.191	-	-	0.08	0.265	0.316
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI3 Sim	633332	3499.98	1	13.59	14.50	1.233	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	633332	3499.98	1	13.59	14.50	1.233	-	-	-0.11	0.290	0.358
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI3 Sim	633332	3499.98	1	17.03	17.50	1.114	50	1.000	-0.11	0.294	0.328
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI3	656000	3840	1	15.73	17.00	1.340	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI3	656000	3840	1	15.73	17.00	1.340	-	-	0.09	0.921	1.234



FCC SAR Test Report

Report No. : FA2N1810

FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI3	656000	3840	1	18.80	20.00	1.318	50	1.000	0.09	0.919	1.211
FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	Headset	DSI3	656000	3840	1	15.73	17.00	1.340	-	-	0.03	0.918	1.230
FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	-	DSI4	656000	3840	1	20.63	22.00	1.371	-	-	0.02	0.079	0.108
FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 8	-	DSI4	656000	3840	1	20.63	22.00	1.371	-	-	0.04	0.132	0.181
FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI3	656000	3840	1	15.43	17.00	1.435	-	-	-0.17	0.072	0.103
FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3	656000	3840	1	15.43	17.00	1.435	-	-	0.16	0.459	0.659
FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	-	DSI3	656000	3840	1	15.18	17.00	1.521	-	-	0.03	0.496	0.754
FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI3 Sim	656000	3840	1	13.84	15.50	1.466	-	-	-	n/a	n/a
FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	656000	3840	1	13.84	15.50	1.466	-	-	-0.11	0.574	0.841
FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	656000	3840	1	17.21	18.50	1.346	50	1.000	-0.11	0.572	0.770
FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI3 Sim	656000	3840	1	13.86	15.50	1.459	-	-	-	n/a	n/a
FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	656000	3840	1	13.86	15.50	1.459	-	-	0.16	0.308	0.449
FR1 n77	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	656000	3840	1	13.59	15.50	1.552	-	-	0.12	0.307	0.477
FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI3	633332	3499.98	1	16.16	17.00	1.213	-	-	-0.17	0.049	0.059
FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI3	633332	3499.98	1	16.16	17.00	1.213	-	-	-0.02	0.272	0.330
FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	-	DSI4	633332	3499.98	1	21.36	22.00	1.159	-	-	0.02	0.040	0.046
FR1 n77	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 8	-	DSI4	633332	3499.98	1	21.36	22.00	1.159	-	-	-0.02	0.058	0.067
FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI3	633332	3499.98	1	16.00	17.00	1.259	-	-	-	n/a	n/a
FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3	633332	3499.98	1	16.00	17.00	1.259	-	-	-0.15	0.294	0.370
FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3	633332	3499.98	1	19.42	20.00	1.143	50	1.000	-0.15	0.294	0.336
FR1 n77	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI3 Sim	633332	3499.98	1	14.79	15.50	1.178	-	-	-	n/a	n/a
FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	633332	3499.98	1	14.79	15.50	1.178	-	-	0.16	0.193	0.227
FR1 n77	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI3 Sim	633332	3499.98	1	14.77	15.50	1.183	-	-	-	n/a	n/a
FR1 n77	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	633332	3499.98	1	14.77	15.50	1.183	-	-	0.01	0.204	0.241
FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI3 Sim	633332	3499.98	1	17.99	18.50	1.125	50	1.000	0.01	0.202	0.227



FCC SAR Test Report

Report No. : FA2N1810

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHZ																		
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	-0.11	0.352	0.447
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	0.02	0.758	0.963
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	1	2412	1	18.42	20.00	1.439	100	1.000	0.13	0.641	0.922
94	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	6	2437	1	18.64	20.00	1.368	100	1.000	0.17	0.851	1.164
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6	-	Full Power	11	2462	1	20.73	22.00	1.340	100	1.000	-0.11	0.106	0.142
	WLAN2.4GHz	802.11b 1Mbps	Back	23mm	Ant 6	-	Full Power	6	2437	1	20.56	22.00	1.393	100	1.000	0.02	0.074	0.103
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Simultaneous	11	2462	1	13.23	14.00	1.194	100	1.000	-0.11	0.131	0.156
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Simultaneous	11	2462	1	13.23	14.00	1.194	100	1.000	0.02	0.231	0.276
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Simultaneous	1	2412	1	12.63	14.00	1.371	100	1.000	0.13	0.166	0.228
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Simultaneous	6	2437	1	13.17	14.00	1.211	100	1.000	0.17	0.282	0.341
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	-	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-	n/a	n/a
95	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	-	Standalone/Simultaneous	0	2402	1	11.61	12.50	1.226	77.01	1.299	-0.02	0.088	1.140
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	-	Standalone/Simultaneous	39	2441	1	11.16	12.50	1.360	77.01	1.299	0.04	0.076	0.134
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	-	Standalone/Simultaneous	78	2480	1	10.80	12.50	1.478	77.01	1.299	-0.06	0.072	0.138
5000MHz-6000MHz																		
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	58	5290	1	15.09	16.50	1.384	92.98	1.076	-0.02	0.203	0.302
96	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	58	5290	1	15.09	16.50	1.384	92.98	1.076	0.01	0.727	1.082
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 6	-	Full Power	54	5270	1	19.83	21.50	1.468	96.3	1.038	-0.02	0.088	0.134
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	23mm	Ant 6	-	Full Power	54	5270	1	19.83	21.50	1.468	96.3	1.038	0.01	0.250	0.381
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	58	5290	1	10.97	12.50	1.422	92.98	1.076	-0.09	0.256	0.392
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	122	5610	1	14.84	16.50	1.467	92.98	1.076	0.16	0.211	0.333
97	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	122	5610	1	14.84	16.50	1.467	92.98	1.076	0.15	0.744	1.174
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	122	5610	2	14.84	16.50	1.467	92.98	1.076	0.08	0.691	1.091
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	138	5690	1	14.74	16.50	1.500	92.98	1.076	0.01	0.602	0.971
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	106	5530	1	14.76	16.50	1.494	92.98	1.076	0.03	0.583	0.937
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 6	-	Full Power	126	5630	1	20.35	21.50	1.302	96.3	1.038	0.16	0.073	0.099
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	23mm	Ant 6	-	Full Power	126	5630	1	20.35	21.50	1.302	96.3	1.038	0.15	0.280	0.378
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	122	5610	1	11.38	12.50	1.294	92.98	1.076	-0.1	0.278	0.387
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	138	5690	1	11.14	12.50	1.368	92.98	1.076	-0.12	0.204	0.300
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	106	5530	1	11.31	12.50	1.315	92.98	1.076	0.18	0.200	0.283
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	155	5775	1	17.60	19.00	1.380	92.98	1.076	0.03	0.169	0.251
98	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	155	5775	1	17.60	19.00	1.380	92.98	1.076	-0.06	0.682	1.013
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15mm	Ant 6	-	Full Power	159	5795	1	19.81	21.50	1.474	96.3	1.038	0.03	0.079	0.121
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	23mm	Ant 6	-	Full Power	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.06	0.218	0.334
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	155	5775	1	11.44	13.00	1.432	92.98	1.076	0.03	0.220	0.339



16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
750MHZ																						
99	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSi6	23230	782	1	21.67	22.50	1.211	-	-	0.01	1.770	2.143
	LTE Band 13	10M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSi4	23230	782	1	23.02	24.00	1.253	-	-	0.09	0.241	0.302
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 0	-	DSi6	23230	782	1	21.62	22.50	1.225	-	-	0.13	1.710	2.094
	LTE Band 13	10M	QPSK	50	0	-	Back	0mm	Ant 0	-	DSi6	23230	782	1	21.65	22.50	1.216	-	-	0.12	1.670	2.031
	LTE Band 14	10M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSi6	23330	793	1	22.67	23.50	1.211	-	-	0.18	1.690	2.046
100	LTE Band 14	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSi6	23330	793	1	22.67	23.50	1.211	-	-	-0.06	1.740	2.106
	LTE Band 14	10M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSi4	23330	793	1	22.99	24.00	1.262	-	-	0.01	0.290	0.366
	LTE Band 14	10M	QPSK	1	0	-	Bottom Side	21mm	Ant 0	-	DSi4	23330	793	1	22.99	24.00	1.262	-	-	-0.11	0.077	0.097
	LTE Band 14	10M	QPSK	25	0	-	Back	0mm	Ant 0	-	DSi6	23330	793	1	22.09	23.00	1.233	-	-	-0.04	1.470	1.813
	LTE Band 14	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	-	DSi6	23330	793	1	22.09	23.00	1.233	-	-	-0.18	1.530	1.887
	LTE Band 14	10M	QPSK	50	0	-	Back	0mm	Ant 0	-	DSi6	23330	793	1	21.95	23.00	1.274	-	-	0.06	1.430	1.821
	LTE Band 14	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSi6	23330	793	1	21.95	23.00	1.274	-	-	-0.18	1.560	1.987
	FR1 n14	10M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	-	DSi6	158600	793	1	23.31	24.00	1.172	-	-	0.17	1.360	1.594
101	FR1 n14	10M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	-	DSi6	158600	793	1	23.31	24.00	1.172	-	-	-0.06	1.530	1.793
	FR1 n14	10M	QPSK	25	14	DFT-15	Back	0mm	Ant 0	-	DSi6	158600	793	1	23.25	24.00	1.189	-	-	-0.12	0.878	1.044
	FR1 n14	10M	QPSK	25	14	DFT-15	Bottom Side	0mm	Ant 0	-	DSi6	158600	793	1	23.25	24.00	1.189	-	-	-0.08	1.290	1.533
835MHZ																						
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 0	-	DSi6	189	836.4	1	30.85	31.50	1.161	-	-	0.15	1.200	1.394
102	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	-	DSi6	189	836.4	1	30.85	31.50	1.161	-	-	0.06	1.780	2.067
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	-	DSi6	128	824.2	1	30.66	31.50	1.213	-	-	-0.03	1.490	1.808
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	-	DSi6	251	848.8	1	30.59	31.50	1.233	-	-	0.02	1.320	1.628
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 4	-	DSi6	189	836.4	1	30.67	31.50	1.211	-	-	0.01	1.370	1.659
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 4	-	DSi6	128	824.2	1	30.42	31.50	1.282	-	-	0.14	1.250	1.603
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 4	-	DSi6	251	848.8	1	30.26	31.50	1.330	-	-	-0.1	1.210	1.610
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	-	DSi6	4182	836.4	1	23.45	24.00	1.135	-	-	0.02	1.530	1.737
103	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSi6	4182	836.4	1	23.45	24.00	1.135	-	-	-0.06	2.030	2.304
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSi6	4182	836.4	2	23.45	24.00	1.135	-	-	-0.06	1.690	1.918
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSi6	4132	826.4	1	23.39	24.00	1.151	-	-	0.05	1.870	2.152
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSi6	4233	846.6	1	23.42	24.00	1.143	-	-	0.04	1.920	2.194
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 4	-	DSi6	4182	836.4	1	22.98	24.00	1.265	-	-	0.04	1.280	1.619
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 4	-	DSi6	4132	826.4	1	22.92	24.00	1.282	-	-	0.01	1.220	1.564
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 4	-	DSi6	4233	846.6	1	22.83	24.00	1.309	-	-	-0.05	1.200	1.571
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSi6	26865	831.5	1	22.19	23.30	1.291	-	-	0.17	1.320	1.704
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26865	831.5	1	22.19	23.30	1.291	-	-	-0.16	1.700	2.195
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26765	821.5	1	22.06	23.30	1.330	-	-	-0.03	1.570	2.089
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26965	841.5	1	22.17	23.30	1.297	-	-	-0.08	1.650	2.140
	LTE Band 5B	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSi6	20575 20476	841.5 831.6	1	22.25	23.30	1.274	-	-	-0.05	1.520	1.936
	LTE Band 26	15M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSi4	26865	831.5	1	23.13	24.00	1.222	-	-	0.05	0.245	0.299
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	-	DSi6	26865	831.5	1	22.16	23.00	1.213	-	-	-0.09	1.350	1.638
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26865	831.5	1	22.16	23.00	1.213	-	-	-0.17	1.690	2.051
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26765	821.5	1	22.05	23.30	1.334	-	-	-0.03	1.430	1.907
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26965	841.5	1	22.06	23.30	1.330	-	-	-0.08	1.580	2.102
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	0mm	Ant 0	-	DSi6	26865	831.5	1	22.08	23.00	1.236	-	-	-0.15	1.580	1.953
104	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSi6	26865	831.5	1	22.82	24.00	1.312	-	-	0.12	1.750	2.296
	LTE Band 5B	15M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSi6	20575 20476	841.5 831.6	1	22.53	24.00	1.403	-	-	0.05	1.530	2.146
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSi6	26765	821.5	1	22.79	24.00	1.321	-	-	-0.06	1.610	2.127
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSi6	26965	841.5	1	22.79	24.00	1.321	-	-	0.02	1.540	2.035
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 4	-	DSi6	26865	831.5	1	21.93	23.00	1.279	-	-	-0.12	1.450	1.855
	LTE Band 26	15M	QPSK	75	0	-	Back	0mm	Ant 4	-	DSi6	26865	831.5	1	21.92	23.00	1.282	-	-	-0.12	1.530	1.962
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	-	DSi6	166300	831.5	1	23.23	24.00	1.194	-	-	-0.15	0.817	0.975
105	FR1 n26	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	-	DSi6	166300	831.5	1	23.23	24.00	1.194	-	-	-0.01	1.360	1.624
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 0	-	DSi6	166300	831.5	1	23.03	24.00	1.250	-	-	-0.13	0.707	0.884



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n26	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	166300	831.5	1	23.03	24.00	1.250	-	-	0.17	1.220	1.525
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	-	DSI6	166300	831.5	1	23.34	24.00	1.164	-	-	0.05	0.993	1.156
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 4	-	DSI6	166300	831.5	1	23.15	24.00	1.216	-	-	0.05	0.975	1.186
1750MHZ																						
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	-	DSI6	1413	1732.6	1	20.95	21.00	1.012	-	-	-0.01	1.680	1.699
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	-	DSI6	1413	1732.6	1	20.95	21.00	1.012	-	-	0.13	1.980	2.003
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSI6	1413	1732.6	1	20.95	21.00	1.012	-	-	-0.08	2.011	2.034
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	-	DSI6	1312	1712.4	1	20.61	21.00	1.094	-	-	0.03	1.440	1.575
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	-	DSI6	1513	1752.6	1	20.90	21.00	1.023	-	-	-0.17	1.860	1.903
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSI6	1312	1712.4	1	20.61	21.00	1.094	-	-	0.08	2.110	2.308
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSI6	1513	1752.6	1	20.90	21.00	1.023	-	-	0.14	1.650	1.688
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	-	DSI4	1413	1732.6	1	23.47	24.00	1.130	-	-	0.05	0.071	0.080
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	21mm	Ant 0	-	DSI4	1413	1732.6	1	23.47	24.00	1.130	-	-	0.02	0.033	0.037
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	21mm	Ant 0	-	DSI4	1312	1712.4	1	23.44	24.00	1.138	-	-	-0.08	0.066	0.075
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 4	-	DSI6	1413	1732.6	1	20.40	21.00	1.148	-	-	0.1	1.140	1.309
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 4	-	DSI6	1413	1732.6	1	20.40	21.00	1.148	-	-	0.17	1.920	2.204
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 4	-	DSI6	1312	1712.4	1	20.18	21.00	1.208	-	-	-0.13	1.990	2.404
106	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 4	-	DSI6	1513	1752.6	1	20.33	21.00	1.167	-	-	-0.12	2.110	2.462
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	-	DSI4	1413	1732.6	1	23.54	24.00	1.112	-	-	-0.03	0.174	0.193
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	13mm	Ant 4	-	DSI4	1513	1752.6	1	23.51	24.00	1.119	-	-	0.09	0.312	0.349
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	-	DSI6	132322	1745	1	20.71	21.50	1.199	-	-	-0.14	1.770	2.123
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	-	DSI6	132072	1720	1	20.55	21.50	1.245	-	-	-0.01	1.620	2.016
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	-	DSI6	132572	1770	1	20.65	21.50	1.216	-	-	-0.11	1.530	1.861
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSI6	132322	1745	1	20.71	21.50	1.199	-	-	-0.1	1.820	2.183
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSI6	132072	1720	1	20.55	21.50	1.245	-	-	-0.01	1.730	2.153
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSI6	132572	1770	1	20.65	21.50	1.216	-	-	-0.11	1.700	2.068
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132322	1745	1	20.71	21.50	1.199	-	-	0.11	1.840	2.207
107	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132072	1720	1	20.55	21.50	1.245	-	-	-0.01	2.220	2.763
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132072	1720	2	20.55	21.50	1.245	-	-	0.05	1.640	2.041
	LTE Band 66B	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132322 132229	1745 1735.7	1	20.43	21.50	1.279	-	-	0.05	2.030	2.597
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132322 132124	1745 1725.2	1	20.68	21.50	1.208	-	-	0.07	1.950	2.355
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132572	1770	1	20.65	21.50	1.216	-	-	-0.11	1.850	2.250
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	132322	1745	1	23.38	24.00	1.153	-	-	0.05	0.411	0.474
	LTE Band 66	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI4	132322	1745	1	23.38	24.00	1.153	-	-	0.13	0.246	0.284
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	21mm	Ant 0	-	DSI4	132072	1720	1	23.14	24.00	1.219	-	-	-0.02	0.420	0.512
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	-	DSI6	132322	1745	1	20.69	21.50	1.205	-	-	0.17	1.790	2.157
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	-	DSI6	132072	1720	1	20.60	21.50	1.230	-	-	-0.01	1.620	1.993
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	-	DSI6	132572	1770	1	20.64	21.50	1.219	-	-	-0.11	1.530	1.865
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	-	DSI6	132322	1745	1	20.69	21.50	1.205	-	-	0.03	1.870	2.253
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	-	DSI6	132072	1720	1	20.60	21.50	1.230	-	-	-0.01	1.800	2.214
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	-	DSI6	132572	1770	1	20.64	21.50	1.219	-	-	-0.11	1.750	2.133
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132322	1745	1	20.69	21.50	1.205	-	-	0.13	1.830	2.205
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132072	1720	1	20.60	21.50	1.230	-	-	-0.01	1.920	2.362
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132572	1770	1	20.64	21.50	1.219	-	-	-0.11	1.840	2.243
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 0	-	DSI6	132322	1745	1	20.66	21.50	1.213	-	-	0.16	1.530	1.856
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 0	-	DSI6	132322	1745	1	20.66	21.50	1.213	-	-	-0.07	1.650	2.002
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	-	DSI6	132322	1745	1	20.66	21.50	1.213	-	-	0.05	1.700	2.063
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSI6	132322	1745	1	20.89	21.50	1.151	-	-	0.09	1.230	1.415
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	132322	1745	1	20.89	21.50	1.151	-	-	0.11	2.230	2.566
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	132072	1720	1	20.47	21.50	1.268	-	-	0.09	2.150	2.725
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	132572	1770	1	20.74	21.50	1.191	-	-	0.02	2.300	2.740
	LTE Band 66B	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	132322 132229	1745 1735.7	1	20.67	21.50	1.211	-	-	-0.06	2.030	2.458
	LTE Band 66C	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	132322 132124	1745 1725.2	1	20.81	21.50	1.172	-	-	0.03	2.150	2.520
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	DSI4	132322	1745	1	23.37	24.00	1.156	-	-	-0.05	0.153	0.177
	LTE Band 66	20M	QPSK	1	0	-	Top Side	13mm	Ant 4	-	DSI4	132572	1770	1	23.35	24.00	1.161	-	-	-0.15	0.343	0.398
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	-	DSI6	132322	1745	1	20.84	21.50	1.164	-	-	-0.07	1.250	1.455
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	132322	1745	1	20.84	21.50	1.164	-	-	0.17	2.010	2.340
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	132072	1720	1	20.68	21.50	1.208	-	-	0.11	1.830	2.210



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	132572	1770	1	20.79	21.50	1.178	-	-	0.09	1.900	2.237
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	-	DSI6	132322	1745	1	20.81	21.50	1.172	-	-	0.11	1.860	2.180
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	-	DSI6	340500	1702.5	1	21.06	21.50	1.107	-	-	-0.18	1.370	1.516
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	-	DSI6	340500	1702.5	1	21.06	21.50	1.107	-	-	0.13	1.300	1.439
	FR1 n70	15M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	340500	1702.5	1	21.06	21.50	1.107	-	-	0.18	2.190	2.424
	FR1 n70	15M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	340500	1702.5	1	23.38	24.00	1.153	-	-	-0.05	0.260	0.300
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	21mm	Ant 0	-	DSI4	340500	1702.5	1	23.38	24.00	1.153	-	-	0.03	0.156	0.180
	FR1 n70	15M	QPSK	1	1	DFT-15	Bottom Side	21mm	Ant 0	-	DSI4	340500	1702.5	1	23.38	24.00	1.153	-	-	-0.18	0.221	0.255
	FR1 n70	15M	QPSK	36	22	DFT-15	Front	0mm	Ant 0	-	DSI6	340500	1702.5	1	20.99	21.50	1.125	-	-	0.16	1.360	1.529
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	0mm	Ant 0	-	DSI6	340500	1702.5	1	20.99	21.50	1.125	-	-	-0.11	1.330	1.496
	FR1 n70	15M	QPSK	36	22	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	340500	1702.5	1	20.99	21.50	1.125	-	-	0.18	1.810	2.036
	FR1 n70	15M	QPSK	75	0	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	340500	1702.5	1	20.90	21.50	1.148	-	-	0.18	1.650	1.894
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	-	DSI6	340500	1702.5	1	21.20	22.00	1.202	-	-	-0.13	1.220	1.467
108	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	-	DSI6	340500	1702.5	1	21.20	22.00	1.202	-	-	0.03	2.240	2.693
	FR1 n70	15M	QPSK	1	1	DFT-15	Back	15mm	Ant 4	-	DSI4	340500	1702.5	1	23.30	24.00	1.175	-	-	-0.12	0.118	0.139
	FR1 n70	15M	QPSK	1	1	DFT-15	Top Side	13mm	Ant 4	-	DSI4	340500	1702.5	1	23.30	24.00	1.175	-	-	0.08	0.194	0.228
	FR1 n70	15M	QPSK	36	22	DFT-15	Back	0mm	Ant 4	-	DSI6	340500	1702.5	1	21.17	22.00	1.211	-	-	-0.14	1.250	1.513
	FR1 n70	15M	QPSK	36	22	DFT-15	Top Side	0mm	Ant 4	-	DSI6	340500	1702.5	1	21.17	22.00	1.211	-	-	-0.03	2.090	2.530
	FR1 n70	15M	QPSK	75	0	DFT-15	Top Side	0mm	Ant 4	-	DSI6	340500	1702.5	1	21.08	22.00	1.236	-	-	-0.03	2.010	2.484
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	-	DSI6	349000	1745	1	21.53	22.00	1.114	-	-	0.07	1.800	2.006
109	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	-	DSI6	349000	1745	1	21.53	22.00	1.114	-	-	-0.07	2.460	2.741
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	349000	1745	1	21.53	22.00	1.114	-	-	0.18	1.810	2.017
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	349000	1745	1	23.39	24.00	1.151	-	-	0.02	0.337	0.388
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	21mm	Ant 0	-	DSI4	349000	1745	1	23.39	24.00	1.151	-	-	-0.09	0.212	0.244
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	21mm	Ant 0	-	DSI4	349000	1745	1	23.39	24.00	1.151	-	-	0.05	0.278	0.320
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	-	DSI6	349000	1745	1	21.45	22.00	1.135	-	-	0.03	1.810	2.054
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	-	DSI6	349000	1745	1	21.45	22.00	1.135	-	-	-0.02	2.340	2.656
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	349000	1745	1	21.45	22.00	1.135	-	-	-0.04	1.880	2.134
	FR1 n66	40M	QPSK	216	0	DFT-15	Front	0mm	Ant 0	-	DSI6	349000	1745	1	21.33	22.00	1.167	-	-	-0.04	1.850	2.159
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 0	-	DSI6	349000	1745	1	21.33	22.00	1.167	-	-	-0.08	2.130	2.485
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	349000	1745	1	21.33	22.00	1.167	-	-	-0.14	1.920	2.240
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	-	DSI6	349000	1745	1	20.19	21.00	1.205	-	-	0.16	1.060	1.277
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	-	DSI6	349000	1745	1	20.19	21.00	1.205	-	-	0.04	2.180	2.627
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	15mm	Ant 4	-	DSI4	349000	1745	1	23.24	24.00	1.191	-	-	0.16	0.120	0.143
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	13mm	Ant 4	-	DSI4	349000	1745	1	23.24	24.00	1.191	-	-	0.05	0.250	0.298
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	-	DSI6	349000	1745	1	19.91	21.00	1.285	-	-	0.1	1.130	1.452
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 4	-	DSI6	349000	1745	1	19.91	21.00	1.285	-	-	0.12	1.920	2.468
	FR1 n66	40M	QPSK	216	0	DFT-15	Top Side	0mm	Ant 4	-	DSI6	349000	1745	1	19.76	21.00	1.330	-	-	0.14	1.840	2.448
1900 MHZ																						
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant 0	-	DSI6	810	1909.8	1	26.56	27.50	1.242	-	-	0.06	1.230	1.527
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 0	-	DSI6	810	1909.8	1	26.56	27.50	1.242	-	-	-0.03	1.710	2.123
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 0	-	DSI6	512	1850.2	1	26.50	27.50	1.259	-	-	-0.12	1.540	1.939
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 0	-	DSI6	661	1880	1	26.55	27.50	1.245	-	-	0.08	1.620	2.016
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	-	DSI6	810	1909.8	1	26.56	27.50	1.242	-	-	0.15	1.890	2.347
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	-	DSI6	512	1850.2	1	26.50	27.50	1.259	-	-	-0.12	2.030	2.556
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	-	DSI6	661	1880	1	26.55	27.50	1.245	-	-	0.08	1.950	2.427
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 0	-	DSI4	810	1909.8	1	27.91	28.50	1.146	-	-	0.03	0.043	0.049
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	21mm	Ant 0	-	DSI4	810	1909.8	1	27.91	28.50	1.146	-	-	-0.08	0.018	0.021
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	21mm	Ant 0	-	DSI4	512	1850.2	1	27.62	28.50	1.225	-	-	0.04	0.060	0.073
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 4	-	DSI6	810	1909.8	1	26.86	27.50	1.159	-	-	0.18	1.240	1.437
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	0mm	Ant 4	-	DSI6	810	1909.8	1	26.86	27.50	1.159	-	-	0.05	1.730	2.005
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	0mm	Ant 4	-	DSI6	512	1850.2	1	26.68	27.50	1.208	-	-	-0.15	1.710	2.065
110	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	0mm	Ant 4	-	DSI6	661	1880	1	26.80	27.50	1.175	-	-	-0.09	2.250	2.644
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	15mm	Ant 4	-	DSI4	810	1909.8	1	26.86	27.50	1.159	-	-	0.05	0.163	0.189
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Top Side	13mm	Ant 4	-	DSI4	661	1880	1	26.80	27.50	1.175	-	-	-0.1	0.291	0.342
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	-	DSI6	9400	1880	1	19.67	20.00	1.079	-	-	0.02	1.070	1.154
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	-	DSI6	9400	1880	1	19.67	20.00	1.079	-	-	0.18	1.190	1.284
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSI6	9400	1880	1	19.67	20.00	1.079	-	-	-0.18	2.290	2.471



FCC SAR Test Report

Report No. : FA2N1810

	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSI6	9262	1852.4	1	19.65	20.00	1.084	-	-	0.06	1.720	1.864
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	-	DSI6	9538	1907.6	1	19.65	20.00	1.084	-	-	0.17	1.750	1.897
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	-	DSI4	9400	1880	1	23.30	24.00	1.175	-	-	0.05	0.042	0.049
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	21mm	Ant 0	-	DSI4	9400	1880	1	23.30	24.00	1.175	-	-	-0.12	0.038	0.045
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	21mm	Ant 0	-	DSI4	9400	1880	1	23.30	24.00	1.175	-	-	-0.03	0.069	0.081
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 4	-	DSI6	9400	1880	1	19.35	20.00	1.161	-	-	0.02	0.968	1.124
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 4	-	DSI6	9400	1880	1	19.35	20.00	1.161	-	-	-0.02	1.330	1.545
111	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 4	-	DSI6	9400	1880	1	19.35	20.00	1.161	-	-	0.17	2.130	2.474
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 4	-	DSI6	9262	1852.4	1	19.30	20.00	1.175	-	-	0.07	1.720	2.021
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 4	-	DSI6	9538	1907.6	1	19.12	20.00	1.225	-	-	-0.11	1.650	2.021
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	6mm	Ant 4	-	DSI4	9400	1880	1	23.09	24.00	1.233	-	-	0.05	1.020	1.258
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	-	DSI4	9400	1880	1	23.09	24.00	1.233	-	-	-0.14	0.428	0.528
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	13mm	Ant 4	-	DSI4	9400	1880	1	23.09	24.00	1.233	-	-	0.03	0.855	1.054
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	-	DSI6	26340	1880	1	19.52	20.50	1.253	-	-	0.04	1.020	1.278
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	-	DSI6	26340	1880	1	19.52	20.50	1.253	-	-	0.04	1.220	1.529
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26340	1880	1	19.52	20.50	1.253	-	-	-0.17	1.700	2.130
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26140	1860	1	19.39	20.50	1.291	-	-	-0.06	1.710	2.208
112	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26590	1905	1	19.43	20.50	1.279	-	-	-0.09	2.110	2.699
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	DSI4	26340	1880	1	23.35	24.00	1.161	-	-	0.15	0.253	0.294
	LTE Band 25	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI4	26340	1880	1	23.35	24.00	1.161	-	-	0.05	0.185	0.215
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	21mm	Ant 0	-	DSI4	26590	1905	1	23.23	24.00	1.194	-	-	-0.03	0.415	0.496
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	-	DSI6	26340	1880	1	19.47	20.50	1.268	-	-	0.15	1.070	1.356
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	-	DSI6	26340	1880	1	19.47	20.50	1.268	-	-	-0.08	1.240	1.572
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26340	1880	1	19.47	20.50	1.268	-	-	-0.08	1.770	2.244
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26140	1860	1	19.44	20.50	1.276	-	-	0.05	1.620	2.068
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26590	1905	1	19.39	20.50	1.291	-	-	-0.02	1.710	2.208
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	-	DSI6	26340	1880	1	19.40	20.50	1.288	-	-	0.07	1.600	2.061
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 4	-	DSI6	26340	1880	1	18.98	20.50	1.419	-	-	-0.15	0.960	1.362
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSI6	26340	1880	1	18.98	20.50	1.419	-	-	0.07	1.240	1.760
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	26340	1880	1	18.98	20.50	1.419	-	-	-0.12	1.560	2.214
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	26140	1860	1	18.93	20.50	1.435	-	-	0.17	1.850	2.656
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	26590	1905	1	18.83	20.50	1.469	-	-	0.09	1.460	2.145
	LTE Band 25	20M	QPSK	1	0	-	Front	6mm	Ant 4	-	DSI4	26340	1880	1	22.64	24.00	1.368	-	-	0.03	0.461	0.631
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	DSI4	26340	1880	1	22.64	24.00	1.368	-	-	-0.12	0.383	0.524
	LTE Band 25	20M	QPSK	1	0	-	Top Side	13mm	Ant 4	-	DSI4	26140	1860	1	22.60	24.00	1.380	-	-	0.06	0.743	1.026
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 4	-	DSI6	26340	1880	1	18.91	20.50	1.442	-	-	-0.14	1.010	1.457
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 4	-	DSI6	26340	1880	1	18.91	20.50	1.442	-	-	0.17	1.240	1.788
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	26340	1880	1	18.91	20.50	1.442	-	-	-0.09	1.580	2.279
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	26140	1860	1	18.80	20.50	1.479	-	-	-0.16	1.640	2.426
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	26590	1905	1	18.64	20.50	1.535	-	-	-0.02	1.490	2.287
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	-	DSI6	26340	1880	1	18.88	20.50	1.452	-	-	0.17	1.600	2.323
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	-	DSI6	376500	1882.5	1	21.39	21.50	1.026	-	-	0.14	1.390	1.426
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	-	DSI6	376500	1882.5	1	21.39	21.50	1.026	-	-	0.11	1.770	1.815
113	FR1 n25	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	376500	1882.5	1	21.39	21.50	1.026	-	-	0.05	2.690	2.759
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	-	DSI4	376500	1882.5	1	23.39	24.00	1.151	-	-	0.09	0.224	0.258
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	21mm	Ant 0	-	DSI4	376500	1882.5	1	23.39	24.00	1.151	-	-	0.15	0.240	0.276
	FR1 n25	40M	QPSK	1	1	DFT-15	Bottom Side	21mm	Ant 0	-	DSI4	376500	1882.5	1	23.39	24.00	1.151	-	-	-0.07	0.330	0.380
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	-	DSI6	376500	1882.5	1	20.97	21.50	1.130	-	-	0.12	1.310	1.480
	FR1 n25	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	-	DSI6	376500	1882.5	1	20.97	21.50	1.130	-	-	0.16	1.640	1.853
	FR1 n25	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	376500	1882.5	1	20.97	21.50	1.130	-	-	-0.17	2.320	2.621
	FR1 n25	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 0	-	DSI6	376500	1882.5	1	20.87	21.50	1.156	-	-	0.16	1.720	1.989
	FR1 n25	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 0	-	DSI6	376500	1882.5	1	20.87	21.50	1.156	-	-	-0.17	2.280	2.636
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.87	19.50	1.156	-	-	-0.1	0.974	1.126
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.87	19.50	1.156	-	-	-0.11	1.290	1.491
	FR1 n25	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.87	19.50	1.156	-	-	-0.01	2.250	2.601
	FR1 n25	40M	QPSK	1	1	DFT-15	Front	6mm	Ant 4	-	DSI4	376500	1882.5	1	23.43	24.00	1.140	-	-	0.05	0.826	0.942
	FR1 n25	40M	QPSK	1	1	DFT-15	Back	15mm	Ant 4	-	DSI4	376500	1882.5	1	23.43	24.00	1.140	-	-	-0.12	0.329	0.375
	FR1 n25	40M	QPSK	1	1	DFT-15	Top Side	13mm	Ant 4	-	DSI4	376500	1882.5	1	23.43	24.00	1.140	-	-	0.07	0.661	0.754
	FR1 n25	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.80	19.50	1.175	-	-	0.16	1.130	1.328



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n25	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.80	19.50	1.175	-	-	-0.04	1.310	1.539
	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.80	19.50	1.175	-	-	-0.18	1.760	2.068
	FR1 n25	40M	QPSK	216	0	DFT-15	Top Side	0mm	Ant 4	-	DSI6	376500	1882.5	1	18.83	19.50	1.167	-	-	-0.1	1.810	2.112
2300MHZ																						
114	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	27710	2310	1	19.48	20.00	1.127	-	-	0.05	2.390	2.694
	LTE Band 30	10M	QPSK	1	0	-	Back	16mm	Ant 1	-	DSI4	27710	2310	1	23.41	24.00	1.146	-	-	0.05	0.160	0.183
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 1	-	DSI6	27710	2310	1	19.47	20.00	1.130	-	-	-0.04	1.890	2.135
	LTE Band 30	10M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	27710	2310	1	19.30	20.00	1.175	-	-	-0.04	1.892	2.223
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSI6	27710	2310	1	16.45	17.00	1.135	-	-	0.06	0.858	0.974
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	27710	2310	1	16.45	17.00	1.135	-	-	0.1	2.000	2.270
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Back	15mm	Ant 4	-	DSI4	27710	2310	1	23.54	24.00	1.112	-	-	0.11	0.112	0.125
	LTE Band 30_ENDC	10M	QPSK	1	0	-	Top Side	13mm	Ant 4	-	DSI4	27710	2310	1	23.54	24.00	1.112	-	-	0.1	0.360	0.400
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Back	0mm	Ant 4	-	DSI6	27710	2310	1	16.33	17.00	1.167	-	-	-0.1	0.838	0.978
	LTE Band 30_ENDC	10M	QPSK	25	0	-	Top Side	0mm	Ant 4	-	DSI6	27710	2310	1	16.33	17.00	1.167	-	-	0.04	1.910	2.229
	LTE Band 30_ENDC	10M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	27710	2310	1	16.10	17.00	1.230	-	-	0.12	1.830	2.251
115	FR1 n30	10M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	-	DSI6	462000	2310	1	18.26	19.00	1.186	-	-	0.09	2.230	2.644
	FR1 n30	10M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	-	DSI6	462000	2310	1	18.26	19.00	1.186	-	-	-0.08	0.807	0.957
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	-	DSI4	462000	2310	1	23.39	24.00	1.151	-	-	0.09	0.104	0.120
	FR1 n30	10M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	-	DSI4	462000	2310	1	23.39	24.00	1.151	-	-	-0.08	0.216	0.249
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	0mm	Ant 1	-	DSI6	462000	2310	1	18.05	19.00	1.245	-	-	-0.14	1.810	2.253
	FR1 n30	10M	QPSK	25	14	DFT-15	Bottom Side	0mm	Ant 1	-	DSI6	462000	2310	1	18.05	19.00	1.245	-	-	0.12	0.828	1.030
	FR1 n30	10M	QPSK	50	0	DFT-15	Back	0mm	Ant 1	-	DSI6	462000	2310	1	17.93	19.00	1.279	-	-	0.1	1.830	2.341
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	-	DSI6	462000	2310	1	16.99	18.00	1.262	-	-	-0.08	0.796	1.004
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	-	DSI6	462000	2310	1	16.99	18.00	1.262	-	-	-0.05	1.860	2.347
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Back	15mm	Ant 4	-	DSI4	462000	2310	1	22.94	24.00	1.276	-	-	-0.08	0.156	0.199
	FR1 n30_ENDC	10M	QPSK	1	1	DFT-15	Top Side	13mm	Ant 4	-	DSI4	462000	2310	1	22.94	24.00	1.276	-	-	-0.05	0.271	0.346
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Back	0mm	Ant 4	-	DSI6	462000	2310	1	16.69	18.00	1.352	-	-	0.02	0.754	1.019
	FR1 n30_ENDC	10M	QPSK	25	14	DFT-15	Top Side	0mm	Ant 4	-	DSI6	462000	2310	1	16.69	18.00	1.352	-	-	-0.08	1.732	2.342
	FR1 n30_ENDC	10M	QPSK	50	0	DFT-15	Top Side	0mm	Ant 4	-	DSI6	462000	2310	1	16.74	18.00	1.337	-	-	-0.15	1.900	2.540
2600MHZ																						
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	-	DSI6	21100	2535	1	18.56	19.40	1.213	-	-	-0.18	0.724	0.878
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	21100	2535	1	18.56	19.40	1.213	-	-	0.11	1.710	2.075
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	-	DSI6	21100	2535	1	18.56	19.40	1.213	-	-	0.01	0.762	0.925
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	-	DSI6	21100	2535	1	18.56	19.40	1.213	-	-	-0.17	1.100	1.335
116	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	20850	2510	1	18.48	19.40	1.236	-	-	0.05	2.150	2.657
	LTE Band 7C	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	21100 20902	2535 2515.2	1	18.22	19.40	1.312	-	-	0.01	1.670	2.191
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	21350	2560	1	18.48	19.40	1.236	-	-	0.03	1.400	1.730
	LTE Band 7	20M	QPSK	1	0	-	Front	7mm	Ant 1	-	DSI4	21100	2535	1	23.13	24.00	1.222	-	-	0.06	0.468	0.572
	LTE Band 7	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	DSI4	20850	2510	1	23.12	24.00	1.225	-	-	0.05	0.168	0.206
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	-	DSI6	21100	2535	1	18.55	19.40	1.216	-	-	-0.07	0.771	0.938
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	21100	2535	1	18.55	19.40	1.216	-	-	-0.1	1.470	1.788
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	-	DSI6	21100	2535	1	18.55	19.40	1.216	-	-	0.18	0.762	0.927
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	-	DSI6	21100	2535	1	18.55	19.40	1.216	-	-	0.03	1.160	1.411
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	-	DSI6	21100	2535	1	18.49	19.40	1.233	-	-	0.05	1.320	1.628
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Front	0mm	Ant 4	-	DSI6	21100	2535	1	16.38	17.50	1.294	-	-	0.03	0.571	0.739
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	0mm	Ant 4	-	DSI6	21100	2535	1	16.38	17.50	1.294	-	-	-0.12	0.946	1.224
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	21100	2535	1	16.38	17.50	1.294	-	-	-0.09	1.800	2.330
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	20850	2510	1	16.30	17.50	1.318	-	-	-0.04	1.900	2.505
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	-	DSI6	21350	2560	1	16.37	17.50	1.297	-	-	-0.06	1.230	1.596
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Front	6mm	Ant 4	-	DSI4	21100	2535	1	22.75	24.00	1.334	-	-	0.15	0.673	0.897
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	DSI4	20850	2510	1	22.63	24.00	1.371	-	-	0.11	0.334	0.458
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Front	0mm	Ant 4	-	DSI6	21100	2535	1	16.30	17.50	1.318	-	-	0.05	0.595	0.784
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Back	0mm	Ant 4	-	DSI6	21100	2535	1	16.30	17.50	1.318	-	-	-0.04	0.993	1.309
	LTE Band 7_ENDC	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	-	DSI6	21100	2535	1	16.30	17.50	1.318	-	-	0.09	1.350	1.780
	LTE Band 7_ENDC	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	-	DSI6	21100	2535	1	16.28	17.50	1.324	-	-	0.09	1.260	1.669
117	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	41490	2680	1	20.48	21.60	1.294	62.9	1.006	0.11	2.050	2.669
	LTE Band 41C	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	41490 41292	2680 2660.2	1	20.63	21.60	1.250	62.9	1.006	0.05	1.840	2.314
	LTE Band 41_PC2	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	41490	2680	1	22.21	23.20	1.256	42.9	1.009	-0.09	1.920	2.433



FCC SAR Test Report

Report No. : FA2N1810

	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	39750	2506	1	20.29	21.60	1.352	62.9	1.006	-0.06	1.710	2.326
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	40185	2549.5	1	20.33	21.60	1.340	62.9	1.006	0.02	1.650	2.224
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	40620	2593	1	20.35	21.60	1.334	62.9	1.006	-0.03	1.610	2.160
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	-	DSI6	41055	2636.5	1	20.46	21.60	1.300	62.9	1.006	-0.14	1.610	2.106
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	-	DSI6	41490	2680	1	20.48	21.60	1.294	62.9	1.006	-0.05	0.984	1.281
	LTE Band 41	20M	QPSK	1	0	-	Back	16mm	Ant 1	-	DSI4	41490	2680	1	23.35	24.00	1.161	62.9	1.006	0.06	0.385	0.450
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	-	DSI4	41490	2680	1	23.35	24.00	1.161	62.9	1.006	0.09	0.704	0.823
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	41490	2680	1	20.41	21.60	1.315	62.9	1.006	-0.08	1.410	1.866
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	39750	2506	1	20.16	21.60	1.393	62.9	1.006	0.04	1.350	1.892
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	40185	2549.5	1	20.17	21.60	1.390	62.9	1.006	0.08	1.330	1.860
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	40620	2593	1	20.27	21.60	1.358	62.9	1.006	0.01	1.180	1.612
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	-	DSI6	41055	2636.5	1	20.31	21.60	1.346	62.9	1.006	0.13	1.250	1.692
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	-	DSI6	41490	2680	1	20.41	21.60	1.315	62.9	1.006	0.15	1.110	1.469
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 1	-	DSI6	41490	2680	1	20.31	21.60	1.346	62.9	1.006	-0.08	1.420	1.923
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	-	DSI6	507000	2535	1	18.00	19.00	1.259	-	-	0.05	0.839	1.056
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	-	DSI6	507000	2535	1	18.00	19.00	1.259	-	-	0.09	2.060	2.593
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 1	-	DSI6	507000	2535	1	18.00	19.00	1.259	-	-	-0.18	0.785	0.988
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	-	DSI6	507000	2535	1	18.00	19.00	1.259	-	-	-0.01	1.120	1.410
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	7mm	Ant 1	-	DSI4	507000	2535	1	23.07	24.00	1.239	-	-	-0.09	0.427	0.529
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	16mm	Ant 1	-	DSI4	507000	2535	1	23.07	24.00	1.239	-	-	0.06	0.227	0.281
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	12mm	Ant 1	-	DSI4	507000	2535	1	23.07	24.00	1.239	-	-	0.16	0.189	0.234
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	-	DSI4	507000	2535	1	23.07	24.00	1.239	-	-	-0.03	0.346	0.429
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 1	-	DSI6	507000	2535	1	17.82	19.00	1.312	-	-	0.08	0.815	1.069
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 1	-	DSI6	507000	2535	1	17.82	19.00	1.312	-	-	-0.01	1.450	1.903
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	0mm	Ant 1	-	DSI6	507000	2535	1	17.82	19.00	1.312	-	-	-0.09	0.807	1.059
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 1	-	DSI6	507000	2535	1	17.82	19.00	1.312	-	-	-0.09	1.090	1.430
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 1	-	DSI6	507000	2535	1	17.62	19.00	1.374	-	-	0.02	1.320	1.814
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	-	DSI6	507000	2535	1	17.31	18.00	1.172	-	-	-0.14	0.707	0.829
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	-	DSI6	507000	2535	1	17.31	18.00	1.172	-	-	0.09	1.180	1.383
118	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	-	DSI6	507000	2535	1	17.31	18.00	1.172	-	-	-0.05	2.310	2.708
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Front	6mm	Ant 4	-	DSI4	507000	2535	1	23.21	24.00	1.199	-	-	0.05	0.899	1.078
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Back	15mm	Ant 4	-	DSI4	507000	2535	1	23.21	24.00	1.199	-	-	0.15	0.456	0.547
	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Top Side	13mm	Ant 4	-	DSI4	507000	2535	1	23.21	24.00	1.199	-	-	-0.02	0.951	1.141
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 4	-	DSI6	507000	2535	1	17.15	18.00	1.216	-	-	0.01	0.712	0.866
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	-	DSI6	507000	2535	1	17.15	18.00	1.216	-	-	0.04	1.160	1.411
	FR1 n7_ENDC	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 4	-	DSI6	507000	2535	1	17.15	18.00	1.216	-	-	-0.04	1.660	2.019
	FR1 n7_ENDC	40M	QPSK	216	0	DFT-15	Top Side	0mm	Ant 4	-	DSI6	507000	2535	1	17.18	18.00	1.208	-	-	0.03	1.600	1.933
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.70	19.00	1.349	-	-	-0.01	0.850	1.147
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.70	19.00	1.349	-	-	-0.02	1.998	2.695
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 1	-	DSI6	518598	2592.99	1	20.90	22.00	1.288	50	1.000	-0.02	1.950	2.512
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.70	19.00	1.349	-	-	0.05	0.904	1.219
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.70	19.00	1.349	-	-	0.08	1.110	1.497
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	7mm	Ant 1	-	DSI4	518598	2592.99	1	23.01	24.00	1.256	-	-	-0.17	0.460	0.578
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	16mm	Ant 1	-	DSI4	518598	2592.99	1	23.01	24.00	1.256	-	-	-0.06	0.253	0.318
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	12mm	Ant 1	-	DSI4	518598	2592.99	1	23.01	24.00	1.256	-	-	-0.11	0.183	0.230
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	10mm	Ant 1	-	DSI4	518598	2592.99	1	23.01	24.00	1.256	-	-	-0.16	0.358	0.450
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.65	19.00	1.365	-	-	-0.15	0.859	1.172
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.65	19.00	1.365	-	-	0.1	1.400	1.910
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.65	19.00	1.365	-	-	-0.04	0.905	1.235
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.65	19.00	1.365	-	-	0.13	1.040	1.419
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 1	-	DSI6	518598	2592.99	1	17.56	19.00	1.393	-	-	0.1	1.420	1.978
119	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 2	-	DSI6	518598	2592.99	1	20.19	21.50	1.352	-	-	0.16	2.020	2.731
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 2	-	DSI6	518598	2592.99	2	20.19	21.50	1.352	-	-	0.16	2.010	2.718
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 2	-	DSI6	518598	2592.99	1	23.30	24.50	1.318	50	1.000	0.04	1.950	2.571
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	-	DSI6	518598	2592.99	1	20.01	21.50	1.409	-	-	0.11	1.400	1.973
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 2	-	DSI6	518598	2592.99	1	19.93	21.50	1.435	-	-	-0.18	1.470	2.110
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 4	-	DSI6	518598	2592.99	1	17.63	18.50	1.222	-	-	-0.14	1.950	2.383
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 4	-	DSI6	518598	2592.99	1	20.70	21.50	1.202	-	-	-0.14	1.890	2.272
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	-	DSI6	518598	2592.99	1	17.43	18.50	1.279	-	-	-0.01	1.410	1.804



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 4	-	DSI6	518598	2592.99	1	16.70	17.50	1.202	-	-	-0.01	1.410	1.695
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 7	-	DSI6	518598	2592.99	1	21.09	22.00	1.233	-	-	0.14	1.730	2.133
	FR1 n41_PC2	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 7	-	DSI6	518598	2592.99	1	24.25	25.00	1.189	50	1.000	0.09	1.790	2.127
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 7	-	DSI6	518598	2592.99	1	20.88	22.00	1.294	-	-	-0.18	1.480	1.915
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 7	-	DSI6	518598	2592.99	1	19.71	21.00	1.346	-	-	0.14	1.510	2.032
3000-4000MHZ																						
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	-	DSI6	55340	3560	1	22.25	24.00	1.496	62.9	1.006	-0.02	1.070	1.611
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	-	DSI6	55830	3609	1	22.13	24.00	1.538	62.9	1.006	0.09	0.954	1.476
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	-	DSI6	56150	3641	1	22.20	24.00	1.514	62.9	1.006	0.01	0.985	1.500
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	-	DSI6	56640	3690	1	22.14	24.00	1.535	62.9	1.006	0.02	1.020	1.575
120	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	-	DSI6	55340	3560	1	22.25	24.00	1.496	62.9	1.006	0.12	1.270	1.912
	LTE Band 48C	20M	QPSK	1	0	-	Back	0mm	Ant 5	-	DSI6	55830 55632	3609 3589.2	1	22.42	24.00	1.439	62.9	1.006	-0.17	1.050	1.520
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	-	DSI6	55830	3609	1	22.13	24.00	1.538	62.9	1.006	-0.18	1.130	1.749
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	-	DSI6	56150	3641	1	22.20	24.00	1.514	62.9	1.006	0.04	0.984	1.498
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	-	DSI6	56640	3690	1	22.14	24.00	1.535	62.9	1.006	-0.14	1.080	1.667
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	-	DSI6	55340	3560	1	22.25	24.00	1.496	62.9	1.006	0.09	0.452	0.680
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 5	-	DSI6	55340	3560	1	21.30	23.00	1.479	62.9	1.006	-0.15	0.755	1.123
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 5	-	DSI6	55340	3560	1	21.30	23.00	1.479	62.9	1.006	0.09	0.819	1.219
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	-	DSI6	55340	3560	1	21.30	23.00	1.479	62.9	1.006	-0.05	0.381	0.567
	LTE Band 48	20M	QPSK	100	0	-	Front	0mm	Ant 5	-	DSI6	55340	3560	1	21.17	23.00	1.524	62.9	1.006	0.05	0.731	1.121
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 5	-	DSI6	55340	3560	1	21.17	23.00	1.524	62.9	1.006	0.14	0.811	1.243
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.79	21.50	1.178	-	-	0.13	1.330	1.566
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.79	21.50	1.178	-	-	-0.04	1.800	2.120
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 5	-	DSI4	641666	3624.99	1	23.23	24.00	1.194	-	-	-0.03	0.801	0.956
	FR1 n48	40M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.79	21.50	1.178	-	-	0.07	1.240	1.460
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 5	-	DSI6	638000	3570	1	20.63	21.50	1.222	-	-	-0.12	1.640	2.004
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 5	-	DSI6	645332	3679.98	1	20.71	21.50	1.199	-	-	0.05	1.800	2.159
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.62	21.50	1.225	-	-	-0.17	1.330	1.629
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.62	21.50	1.225	-	-	-0.04	1.800	2.204
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Side	0mm	Ant 5	-	DSI4	641666	3624.99	1	23.23	24.00	1.194	-	-	-0.07	0.801	0.956
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.62	21.50	1.225	-	-	0.05	1.240	1.519
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 5	-	DSI6	638000	3570	1	20.54	21.50	1.247	-	-	0.16	1.640	2.046
121	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 5	-	DSI6	645332	3679.98	1	20.53	21.50	1.250	-	-	-0.07	1.950	2.438
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	2mm	Ant 5	-	DSI4	641666	3624.99	1	23.23	24.00	1.194	-	-	0.04	0.336	0.401
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	7mm	Ant 5	-	DSI4	645332	3679.98	1	23.09	24.00	1.233	-	-	-0.05	0.616	0.760
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	8mm	Ant 5	-	DSI4	641666	3624.99	1	23.23	24.00	1.194	-	-	0.08	0.279	0.333
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	0mm	Ant 5	-	DSI6	641666	3624.99	1	20.65	21.50	1.216	-	-	0.06	1.840	2.238
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 5	-	DSI6	656000	3840	1	19.53	20.00	1.114	-	-	-0.09	0.967	1.078
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 5	-	DSI6	656000	3840	1	19.53	20.00	1.114	-	-	-0.15	2.140	2.385
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	-	DSI6	656000	3840	1	19.53	20.00	1.114	-	-	0.03	2.240	2.496
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	-	DSI6	656000	3840	1	22.14	23.00	1.219	50	1.000	-0.11	2.030	2.475
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	2mm	Ant 5	-	DSI4	656000	3840	1	23.34	24.00	1.164	-	-	0.13	1.600	1.863
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	7mm	Ant 5	-	DSI4	656000	3840	1	23.34	24.00	1.164	-	-	-0.03	1.770	2.061
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	8mm	Ant 5	-	DSI4	656000	3840	1	23.34	24.00	1.164	-	-	0.04	0.334	0.389
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 5	-	DSI6	656000	3840	1	19.42	20.00	1.143	-	-	-0.13	0.987	1.128
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 5	-	DSI6	656000	3840	1	19.42	20.00	1.143	-	-	0.17	1.860	2.126
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 5	-	DSI6	656000	3840	1	19.42	20.00	1.143	-	-	0.02	1.980	2.263
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 5	-	DSI6	656000	3840	1	19.38	20.00	1.153	-	-	0.12	1.780	2.053
	FR1 n77	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 5	-	DSI6	656000	3840	1	19.38	20.00	1.153	-	-	0.1	1.840	2.122
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.53	20.00	1.114	-	-	0.1	0.967	1.078
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.53	20.00	1.114	-	-	-0.09	1.870	2.084
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 5	-	DSI4	633332	3499.98	1	23.35	24.00	1.161	-	-	-0.17	0.827	0.961
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.53	20.00	1.114	-	-	0.04	1.880	2.095
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	-	DSI6	633332	3499.98	1	22.12	23.00	1.225	50	1.000	-0.06	1.650	2.021
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	2mm	Ant 5	-	DSI4	633332	3499.98	1	23.35	24.00	1.161	-	-	-0.12	1.480	1.719
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	7mm	Ant 5	-	DSI4	633332	3499.98	1	23.35	24.00	1.161	-	-	0.08	0.511	0.594
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	8mm	Ant 5	-	DSI4	633332	3499.98	1	23.35	24.00	1.161	-	-	0.07	0.215	0.250
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.27	20.00	1.183	-	-	-0.14	0.954	1.129



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.27	20.00	1.183	-	-	-0.07	1.630	1.928
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 5	-	DSI4	633332	3499.98	1	23.21	24.00	1.199	-	-	-0.1	1.230	1.475
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.27	20.00	1.183	-	-	0.04	1.540	1.822
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.20	20.00	1.202	-	-	0.16	1.530	1.839
	FR1 n77	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 5	-	DSI6	633332	3499.98	1	19.20	20.00	1.202	-	-	-0.01	1.320	1.587
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	-	DSI6	656000	3840	1	17.69	18.50	1.205	-	-	0.16	2.020	2.434
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	0mm	Ant 1	-	DSI6	656000	3840	1	17.69	18.50	1.205	-	-	-0.01	0.555	0.669
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	16mm	Ant 1	-	DSI4	656000	3840	1	23.00	24.00	1.259	-	-	0.12	0.168	0.211
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 1	-	DSI4	656000	3840	1	23.00	24.00	1.259	-	-	-0.14	0.200	0.252
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	-	DSI6	656000	3840	1	17.55	18.50	1.245	-	-	-0.14	1.960	2.439
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	-	DSI6	656000	3840	1	20.77	21.50	1.183	50	1.000	-0.08	1.920	2.271
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 1	-	DSI6	656000	3840	1	17.55	18.50	1.245	-	-	0.04	0.554	0.689
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 1	-	DSI6	656000	3840	1	17.56	18.50	1.242	-	-	0.04	1.810	2.247
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	-	DSI6	633332	3499.98	1	17.58	18.50	1.236	-	-	-0.17	1.660	2.052
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	-	DSI6	633332	3499.98	1	20.80	21.50	1.175	50	1.000	-0.17	1.610	1.892
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	0mm	Ant 1	-	DSI6	633332	3499.98	1	17.58	18.50	1.236	-	-	-0.01	0.586	0.724
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	16mm	Ant 1	-	DSI4	633332	3499.98	1	23.25	24.00	1.189	-	-	0.17	0.110	0.131
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 1	-	DSI4	633332	3499.98	1	23.25	24.00	1.189	-	-	0.08	0.150	0.178
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	-	DSI6	633332	3499.98	1	17.56	18.50	1.242	-	-	0.16	1.570	1.949
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 1	-	DSI6	633332	3499.98	1	17.56	18.50	1.242	-	-	-0.06	0.508	0.631
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 1	-	DSI6	633332	3499.98	1	17.39	18.50	1.291	-	-	-0.12	1.320	1.704
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 2	-	DSI6	656000	3840	1	16.27	17.50	1.327	-	-	0.09	0.739	0.981
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 2	-	DSI6	656000	3840	1	19.20	20.50	1.349	50	1.000	0.09	0.713	0.962
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 2	-	DSI6	656000	3840	1	16.27	17.50	1.327	-	-	0.03	0.340	0.451
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	-	DSI6	656000	3840	1	16.05	17.50	1.396	-	-	0.03	0.563	0.786
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 2	-	DSI6	656000	3840	1	16.05	17.50	1.396	-	-	-0.13	0.563	0.786
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 2	-	DSI6	633332	3499.98	1	16.72	17.50	1.197	-	-	0.03	1.820	2.178
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	-	DSI6	633332	3499.98	1	16.57	17.50	1.239	-	-	0.02	2.000	2.478
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	-	DSI6	633332	3499.98	1	19.83	20.50	1.167	50	1.000	0.02	1.960	2.287
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 2	-	DSI6	633332	3499.98	1	16.50	17.50	1.259	-	-	0.04	1.830	2.304
122	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	-	DSI6	656000	3840	1	20.63	22.00	1.371	-	-	0.18	1.990	2.728
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	-	DSI6	656000	3840	2	20.63	22.00	1.371	-	-	0.18	1.340	1.837
	FR1 n77_PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	-	DSI6	656000	3840	1	23.51	25.00	1.409	50	1.000	0.18	1.930	2.720
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 8	-	DSI6	656000	3840	1	20.63	22.00	1.371	-	-	0.01	0.995	1.364
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 8	-	DSI6	656000	3840	1	20.30	22.00	1.479	-	-	-0.09	1.420	2.100
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 8	-	DSI6	656000	3840	1	20.30	22.00	1.479	-	-	0.1	0.878	1.299
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 8	-	DSI6	656000	3840	1	20.20	22.00	1.514	-	-	-0.14	1.250	1.892
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	-	DSI6	633332	3499.98	1	21.36	22.00	1.159	-	-	-0.18	1.540	1.785
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 8	-	DSI6	633332	3499.98	1	21.24	22.00	1.191	-	-	0.14	1.650	1.966
	FR1 n77_PC2	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 8	-	DSI6	633332	3499.98	1	24.13	25.00	1.222	50	1.000	0.14	1.610	1.967



FCC SAR Test Report

Report No. : FA2N1810

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
2450MHZ																		
123	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6	-	Standalone	11	2462	1	20.73	22.00	1.340	100	1.000	0.06	0.714	0.957
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	-	Standalone	11	2462	1	20.73	22.00	1.340	100	1.000	-0.03	1.560	2.090
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	-	Standalone	11	2462	1	20.73	22.00	1.340	100	1.000	-0.13	0.908	1.216
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 6	-	Standalone	11	2462	1	20.73	22.00	1.340	100	1.000	-0.05	1.480	1.983
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	-	Standalone	1	2412	1	20.62	22.00	1.374	100	1.000	-0.05	1.410	1.937
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	-	Standalone	6	2437	1	20.56	22.00	1.393	100	1.000	0.08	1.363	1.899
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	-	Simultaneous	11	2462	1	16.72	17.50	1.197	100	1.000	0.05	0.133	0.159
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	-	Simultaneous	1	2412	1	16.23	17.50	1.340	100	1.000	-0.17	0.127	0.170
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	-	Simultaneous	6	2437	1	16.45	17.50	1.274	100	1.000	-0.09	0.144	0.183
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 6	-	Simultaneous	11	2462	1	16.72	17.50	1.197	100	1.000	0.05	0.112	0.134
5000-6000MHz																		
124	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	46	5230	1	19.67	21.50	1.523	96.3	1.038	0.02	0.825	1.304
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 6	-	Standalone	46	5230	1	19.67	21.50	1.523	96.3	1.038	-0.14	0.515	0.814
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 6	-	Standalone	46	5230	1	19.67	21.50	1.523	96.3	1.038	-0.02	0.958	1.514
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 6	-	Standalone	38	5190	1	19.57	21.50	1.558	96.3	1.038	-0.03	1.050	1.698
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	-	Simultaneous	42	5210	1	15.94	17.50	1.432	92.98	1.076	0.09	0.331	0.510
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	-	Simultaneous	42	5210	1	15.94	17.50	1.432	92.98	1.076	0.09	0.442	0.681
125	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 6	-	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	-0.14	0.231	0.352
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	0.04	0.808	1.231
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 6	-	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	0.01	0.555	0.845
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 6	-	Standalone	54	5270	1	19.83	21.50	1.468	96.3	1.038	-0.06	0.910	1.386
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 6	-	Standalone	62	5310	1	19.79	21.00	1.321	96.3	1.038	0.14	0.873	1.197
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	-	Simultaneous	58	5290	1	17.28	19.00	1.486	92.98	1.076	0.1	0.435	0.696
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	-	Simultaneous	58	5290	1	17.28	19.00	1.486	92.98	1.076	0.1	0.541	0.865
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 6	-	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	-0.06	0.356	0.481
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	0.14	0.962	1.300
126	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 6	-	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	0.01	0.795	1.074
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 6	-	Standalone	126	5630	1	20.35	21.50	1.302	96.3	1.038	0.05	0.544	0.735
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	102	5510	1	19.73	21.50	1.502	96.3	1.038	-0.12	0.705	1.099
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	110	5550	1	20.12	21.50	1.373	96.3	1.038	0.13	0.968	1.379
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	134	5670	1	19.85	21.50	1.461	96.3	1.038	-0.08	0.721	1.093
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	142	5710	1	19.36	21.00	1.457	96.3	1.038	-0.11	0.710	1.074
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	-	Simultaneous	122	5610	1	17.30	18.50	1.318	92.98	1.076	0.05	0.481	0.682
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	-	Simultaneous	138	5690	1	17.27	18.50	1.329	92.98	1.076	0.13	0.448	0.640
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	-	Simultaneous	106	5530	1	16.89	18.50	1.449	92.98	1.076	-0.04	0.475	0.740
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	0mm	Ant 6	-	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.03	0.744	1.139
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 6	-	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.03	1.340	2.051
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 6	-	Standalone	159	5795	1	19.81	21.50	1.474	96.3	1.038	-0.03	0.577	0.883
127	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 6	-	Standalone	151	5755	1	19.34	21.00	1.464	96.3	1.038	-0.12	1.410	2.143
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 6	-	Standalone	151	5755	2	19.34	21.00	1.464	96.3	1.038	-0.12	1.290	1.961
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	-	Simultaneous	155	5775	1	16.18	17.50	1.355	92.98	1.076	-0.09	0.328	0.478
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6	-	Simultaneous	155	5775	1	16.18	17.50	1.355	92.98	1.076	-0.09	0.462	0.674
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	-	Simultaneous	155	5775	1	16.18	17.50	1.355	92.98	1.076	-0.09	0.289	0.421



16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	-	DSI 2	23095	707.5	1	22.92	24.00	1.282	-	-	-0.01	0.961	1	1.232
2nd	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 4	-	DSI 2	23095	707.5	1	22.92	24.00	1.282	-	-	-0.07	0.955	1.006	1.225
1st	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	-	DSI 2	166300	831.5	1	23.00	23.50	1.122	-	-	-0.12	1.030	1	1.156
2nd	FR1 n26	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	-	DSI 2	166300	831.5	1	23.00	23.50	1.122	-	-	0.04	0.980	1.051	1.100
1st	LTE Band 30_ENDC	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	-	DSI 2	27710	2310	1	15.01	15.50	1.119	-	-	0.09	0.985	1	1.103
2nd	LTE Band 30_ENDC	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 4	-	DSI 2	27710	2310	1	15.01	15.50	1.119	-	-	0.18	0.977	1.008	1.094
1st	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	-	DSI 2	518598	2592.99	1	16.32	17.00	1.169	-	-	0.17	1.070	1	1.251
2nd	FR1 n41	100M	QPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	-	DSI 2	518598	2592.99	1	16.32	17.00	1.169	-	-	0.14	0.991	1.080	1.159
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	-	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	-0.12	0.930	1	1.182
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	-	Standalone	11	2462	1	18.96	20.00	1.271	100	1.000	-0.12	0.880	1.057	1.118
1st	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.47	21.00	1.130	-	-	0.04	1.110	1	1.254
2nd	FR1 n70	15M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI3	340500	1702.5	1	20.47	21.00	1.130	-	-	0.02	1.080	1.028	1.220
1st	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.42	19.00	1.143	-	-	0.11	1.090	1	1.246
2nd	FR1 n25	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI3	376500	1882.5	1	18.42	19.00	1.143	-	-	-0.01	0.995	1.095	1.137
1st	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.15	18.00	1.216	-	-	0.15	0.897	1	1.091
2nd	FR1 n48	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	641666	3624.99	1	17.15	18.00	1.216	-	-	0.03	0.801	1.120	0.974
1st	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	656000	3840	1	15.73	16.50	1.194	-	-	0.08	1.040	1	1.242
2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	656000	3840	1	15.73	16.50	1.194	-	-	0.04	0.920	1.130	1.098
1st	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.65	16.50	1.216	-	-	0.12	0.988	1	1.202
2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI3	633332	3499.98	1	15.65	16.50	1.216	-	-	0.01	0.910	1.086	1.107

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	4182	836.4	1	23.45	24.00	1.135	-0.06	2.030	1	2.304
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI6	4182	836.4	1	23.45	24.00	1.135	-0.11	2.010	1.010	2.281
1st	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI6	349000	1745	1	21.53	22.00	1.114	-0.07	2.460	1	2.741
2nd	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI6	349000	1745	1	21.53	22.00	1.114	0.15	2.410	1.021	2.685
1st	FR1 n25	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI6	376500	1882.5	1	21.39	21.50	1.026	0.05	2.690	1	2.759
2nd	FR1 n25	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI6	376500	1882.5	1	21.39	21.50	1.026	0.05	2.640	1.019	2.708
1st	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	27710	2310	1	19.48	20.00	1.127	0.05	2.390	1	2.694
2nd	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	DSI6	27710	2310	1	19.48	20.00	1.127	0.09	2.210	1.081	2.491
1st	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI6	507000	2535	1	17.31	18.00	1.172	-0.05	2.310	1	2.708
2nd	FR1 n7_ENDC	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI6	507000	2535	1	17.31	18.00	1.172	0.1	2.280	1.013	2.673
1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	DSI6	633332	3499.98	1	16.57	17.50	1.239	0.02	2.000	1	2.478
2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	DSI6	633332	3499.98	1	16.57	17.50	1.239	0.11	1.840	1.087	2.279
1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI6	656000	3840	1	19.53	20.00	1.114	0.03	2.240	1	2.496
2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI6	656000	3840	1	19.53	20.00	1.114	0.03	2.030	1.103	2.262

General Note:

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

16.6 TDD LTE and NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41/5G NR n41/n77. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

Head			Hopspot		
LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 2			LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 3		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.50	25.10	Maximum Tune up Power (dBm)	19.10	20.70
Reported 1g SAR (W/kg)	0.505	0.507	Reported 1g SAR (W/kg)	1.137	1.034
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	141.71	140.12	Frame Averaged (mW)	51.45	50.87
Linearity SAR (W/kg)	0.499		Linearity SAR (W/kg)	1.124	
% deviation from expected linearity		1.54%	% deviation from expected linearity		-8.02%
FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 2			FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.495	0.479	Reported 1g SAR (W/kg)	1.234	1.139
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.494		Linearity SAR (W/kg)	1.231	
% deviation from expected linearity		-3.00%	% deviation from expected linearity		-7.48%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 2			FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	17.00	20.00
Reported 1g SAR (W/kg)	0.206	0.196	Reported 1g SAR (W/kg)	0.879	0.831
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	50.12	50.00
Linearity SAR (W/kg)	0.206		Linearity SAR (W/kg)	0.877	
% deviation from expected linearity		-4.63%	% deviation from expected linearity		-5.24%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 2			FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00	Maximum Tune up Power (dBm)	13.50	16.50
Reported 1g SAR (W/kg)	1.251	1.185	Reported 1g SAR (W/kg)	1.029	0.938
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00	Frame Averaged (mW)	22.39	22.33
Linearity SAR (W/kg)	1.248		Linearity SAR (W/kg)	1.027	
% deviation from expected linearity		-5.05%	% deviation from expected linearity		-8.63%
FR1 n41_Ant 7(HPUE)-Linearity Data for DSI 2			FR1 n41_Ant 7(HPUE)-Linearity Data for DSI 3		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	25.00	Maximum Tune up Power (dBm)	18.00	21.00
Reported 1g SAR (W/kg)	0.750	0.694	Reported 1g SAR (W/kg)	0.960	0.877
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	158.11	Frame Averaged (mW)	63.10	62.95
Linearity SAR (W/kg)	0.748		Linearity SAR (W/kg)	0.958	
% deviation from expected linearity		-7.25%	% deviation from expected linearity		-8.43%
FR1 n77 part 270_Ant 5(HPUE)-Linearity Data for DSI 2			FR1 n77 part 270_Ant 5(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00	Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	1.127	1.107	Reported 1g SAR (W/kg)	0.933	0.932



FCC SAR Test Report

Report No. : FA2N1810

Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00	Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	1.124		Linearity SAR (W/kg)	0.931	
% deviation from expected linearity		-1.54%	% deviation from expected linearity		0.13%
FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00	Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	1.018	1.027	Reported 1g SAR (W/kg)	0.976	0.944
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00	Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	1.016		Linearity SAR (W/kg)	0.974	
% deviation from expected linearity		1.12%	% deviation from expected linearity		-3.05%
FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.077	0.073	Reported 1g SAR (W/kg)	0.987	0.942
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.077		Linearity SAR (W/kg)	0.985	
% deviation from expected linearity		-4.97%	% deviation from expected linearity		-4.33%
FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.004	0.004	Reported 1g SAR (W/kg)	0.866	0.855
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.004		Linearity SAR (W/kg)	0.864	
% deviation from expected linearity		0.24%	% deviation from expected linearity		-1.04%
FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	14.50	17.50
Reported 1g SAR (W/kg)	0.241	0.230	Reported 1g SAR (W/kg)	0.963	0.940
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	28.18	28.12
Linearity SAR (W/kg)	0.240		Linearity SAR (W/kg)	0.961	
% deviation from expected linearity		-4.34%	% deviation from expected linearity		-2.16%
FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	14.50	17.50
Reported 1g SAR (W/kg)	0.244	0.228	Reported 1g SAR (W/kg)	0.358	0.325
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	28.18	28.12
Linearity SAR (W/kg)	0.243		Linearity SAR (W/kg)	0.357	
% deviation from expected linearity		-6.34%	% deviation from expected linearity		-9.00%
FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	15.50	18.50
Reported 1g SAR (W/kg)	0.592	0.609	Reported 1g SAR (W/kg)	0.841	0.770
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.591		Linearity SAR (W/kg)	0.839	
% deviation from expected linearity		3.12%	% deviation from expected linearity		-8.22%
FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 2			FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00	Maximum Tune up Power (dBm)	15.50	18.50



FCC SAR Test Report

Report No. : FA2N1810

Reported 1g SAR (W/kg)	0.323	0.312	Reported 1g SAR (W/kg)	0.241	0.227
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	199.05	Frame Averaged (mW)	35.48	35.40
Linearity SAR (W/kg)	0.322		Linearity SAR (W/kg)	0.240	
% deviation from expected linearity		-3.18%	% deviation from expected linearity		-5.59%

Body-worn			Extremity		
LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 3/3 Sim			LTE Band 41_Ant 1(HPUE)-Linearity Data for DSI 6		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.10	20.70	Maximum Tune up Power (dBm)	21.60	23.20
Reported 1g SAR (W/kg)	1.137	1.034	Reported 10g SAR (W/kg)	2.669	2.433
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	51.45	50.87	Frame Averaged (mW)	91.50	90.47
Linearity SAR (W/kg)	1.124		Linearity SAR (W/kg)	2.639	
% deviation from expected linearity		-8.02%	% deviation from expected linearity		-7.80%
FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 3/3 Sim			FR1 n41_Ant 1(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	19.00	22.00
Reported 1g SAR (W/kg)	1.234	1.139	Reported 10g SAR (W/kg)	2.695	2.512
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10	Frame Averaged (mW)	79.43	79.24
Linearity SAR (W/kg)	1.231		Linearity SAR (W/kg)	2.689	
% deviation from expected linearity		-7.48%	% deviation from expected linearity		-6.57%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 3			FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	18.50	21.50	Maximum Tune up Power (dBm)	21.50	24.50
Reported 1g SAR (W/kg)	1.204	1.112	Reported 10g SAR (W/kg)	2.731	2.571
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	70.79	70.63	Frame Averaged (mW)	141.25	140.92
Linearity SAR (W/kg)	1.201		Linearity SAR (W/kg)	2.725	
% deviation from expected linearity		-7.42%	% deviation from expected linearity		-5.64%
FR1 n41_Ant 2(HPUE)-Linearity Data for DSI 3 Sim			FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00	Maximum Tune up Power (dBm)	18.50	21.50
Reported 1g SAR (W/kg)	0.879	0.831	Reported 10g SAR (W/kg)	2.383	2.272
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	0.877		Linearity SAR (W/kg)	2.377	
% deviation from expected linearity		-5.24%	% deviation from expected linearity		-4.43%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 3			FR1 n41_Ant 7(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00	Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	1.188	1.122	Reported 10g SAR (W/kg)	2.133	2.127
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72	Frame Averaged (mW)	158.49	158.11
Linearity SAR (W/kg)	1.185		Linearity SAR (W/kg)	2.128	
% deviation from expected linearity		-5.33%	% deviation from expected linearity		-0.04%
FR1 n41_Ant 4(HPUE)-Linearity Data for DSI 3 Sim			FR1 n77 part 270_Ant 5(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	13.50	16.50	Maximum Tune up Power (dBm)	20.00	23.00
Reported 1g SAR (W/kg)	0.607	0.564	Reported 10g SAR (W/kg)	2.496	2.475
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	22.39	22.33	Frame Averaged (mW)	100.00	99.76
Linearity SAR (W/kg)	0.606		Linearity SAR (W/kg)	2.490	



FCC SAR Test Report

Report No. : FA2N1810

% deviation from expected linearity		-6.86%	% deviation from expected linearity		-0.61%
FR1 n41_Ant 7(HPUE)-Linearity Data for DSI 3			FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	22.00	Maximum Tune up Power (dBm)	20.00	23.00
Reported 1g SAR (W/kg)	1.083	1.036	Reported 10g SAR (W/kg)	2.095	2.021
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24	Frame Averaged (mW)	100.00	99.76
Linearity SAR (W/kg)	1.080		Linearity SAR (W/kg)	2.090	
% deviation from expected linearity		-4.11%	% deviation from expected linearity		-3.30%
FR1 n41_Ant 7(HPUE)-Linearity Data for DSI 3 Sim			FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 6		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	21.00	Maximum Tune up Power (dBm)	18.50	21.50
Reported 1g SAR (W/kg)	0.960	0.877	Reported 10g SAR (W/kg)	2.439	2.271
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	0.958		Linearity SAR (W/kg)	2.433	
% deviation from expected linearity		-8.43%	% deviation from expected linearity		-6.67%
FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 3			FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 6		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	19.50	Maximum Tune up Power (dBm)	18.50	21.50
Reported 1g SAR (W/kg)	1.242	1.195	Reported 10g SAR (W/kg)	2.052	1.892
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56	Frame Averaged (mW)	70.79	70.63
Linearity SAR (W/kg)	1.239		Linearity SAR (W/kg)	2.047	
% deviation from expected linearity		-3.56%	% deviation from expected linearity		-7.58%
FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 3 Sim			FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 6		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00	Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.838	0.859	Reported 10g SAR (W/kg)	0.981	0.962
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55	Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.836		Linearity SAR (W/kg)	0.979	
% deviation from expected linearity		2.75%	% deviation from expected linearity		-1.70%
FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 3			FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 6		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.50	19.50	Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	1.240	1.236	Reported 10g SAR (W/kg)	2.478	2.287
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56	Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	1.237		Linearity SAR (W/kg)	2.472	
% deviation from expected linearity		-0.09%	% deviation from expected linearity		-7.49%
FR1 n77 part 27Q_Ant 5(HPUE)-Linearity Data for DSI 3 Sim			FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 6		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00	Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	0.976	0.944	Reported 10g SAR (W/kg)	2.728	2.720
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55	Frame Averaged (mW)	158.49	158.11
Linearity SAR (W/kg)	0.974		Linearity SAR (W/kg)	2.722	
% deviation from expected linearity		-3.05%	% deviation from expected linearity		-0.06%
FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 3/3 Sim			FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 6		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	0.987	0.942	Reported 10g SAR (W/kg)	1.966	1.967
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10	Frame Averaged (mW)	158.49	158.11



FCC SAR Test Report

Report No. : FA2N1810

Linearity SAR (W/kg)	0.985		Linearity SAR (W/kg)	1.961	
% deviation from expected linearity		-4.33%	% deviation from expected linearity		0.29%
FR1 n77 part 27Q_Ant 1(HPUE)-Linearity Data for DSI 3/3 Sim					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	17.50	20.50			
Reported 1g SAR (W/kg)	0.866	0.855			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	56.23	56.10			
Linearity SAR (W/kg)	0.864				
% deviation from expected linearity		-1.04%			
FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 3					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	15.50	18.50			
Reported 1g SAR (W/kg)	1.252	1.206			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	35.48	35.40			
Linearity SAR (W/kg)	1.249				
% deviation from expected linearity		-3.45%			
FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 3 Sim					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	14.50	17.50			
Reported 1g SAR (W/kg)	0.963	0.940			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	28.18	28.12			
Linearity SAR (W/kg)	0.961				
% deviation from expected linearity		-2.16%			
FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 3					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	15.50	18.50			
Reported 1g SAR (W/kg)	0.454	0.416			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	35.48	35.40			
Linearity SAR (W/kg)	0.453				
% deviation from expected linearity		-8.15%			
FR1 n77 part 27Q_Ant 2(HPUE)-Linearity Data for DSI 3 Sim					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	14.50	17.50			
Reported 1g SAR (W/kg)	0.358	0.328			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	28.18	28.12			
Linearity SAR (W/kg)	0.357				
% deviation from expected linearity		-8.16%			
FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 3					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	17.00	20.00			
Reported 1g SAR (W/kg)	1.234	1.211			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	50.12	50.00			
Linearity SAR (W/kg)	1.231				
% deviation from expected linearity		-1.63%			
FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 3 Sim					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	15.50	18.50			
Reported 1g SAR (W/kg)	0.841	0.770			
Duty Cycle	100.00%	50.00%			



FCC SAR Test Report

Report No. : FA2N1810

Frame Averaged (mW)	35.48	35.40	
Linearity SAR (W/kg)	0.839		
% deviation from expected linearity		-8.22%	
FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 3			
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)	
Maximum Tune up Power (dBm)	17.00	20.00	
Reported 1g SAR (W/kg)	0.370	0.336	
Duty Cycle	100.00%	50.00%	
Frame Averaged (mW)	50.12	50.00	
Linearity SAR (W/kg)	0.369		
% deviation from expected linearity		-8.97%	
FR1 n77 part 27Q_Ant 8(HPUE)-Linearity Data for DSI 3 Sim			
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)	
Maximum Tune up Power (dBm)	15.50	18.50	
Reported 1g SAR (W/kg)	0.241	0.227	
Duty Cycle	100.00%	50.00%	
Frame Averaged (mW)	35.48	35.40	
Linearity SAR (W/kg)	0.240		
% deviation from expected linearity		-5.59%	

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can't transmit simultaneously.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna for head each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- The maximum SAR summation is calculated based on the same configuration and test position.
- For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - The SPLSR calculated results please refer to section 17.6.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Above analysis is also apply to LTE/NR inter-band uplink, LTE(NR)1 + LTE(NR)2 + WLAN + BT simultaneous transmission, So inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE/NR + WLAN + BT < 1.

17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10+17
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Bluetooth Ant 6	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant 0	Right Cheek	0.575	0.489	0.305	0.062	1.06	0.94
	Right Tilted	0.367	0.457	0.286	0.078	0.82	0.73
	Left Cheek	0.500	0.345	0.378	0.202	0.85	1.08
	Left Tilted	0.292	0.266	0.450	0.000	0.56	0.74
All Bands Ant 1	Right Cheek	0.339	0.489	0.305	0.062	0.83	0.71
	Right Tilted	0.283	0.457	0.286	0.078	0.74	0.65
	Left Cheek	0.791	0.345	0.378	0.202	1.14	1.37
	Left Tilted	0.164	0.266	0.450	0.000	0.43	0.61
All Bands Ant 2	Right Cheek	0.231	0.489	0.305	0.062	0.72	0.60
	Right Tilted	0.098	0.457	0.286	0.078	0.56	0.46
	Left Cheek	0.084	0.345	0.378	0.202	0.43	0.66
	Left Tilted	0.076	0.266	0.450	0.000	0.34	0.53
All Bands Ant 4	Right Cheek	1.101	0.489	0.305	0.062	1.59	1.47
	Right Tilted	1.074	0.457	0.286	0.078	1.53	1.44
	Left Cheek	0.837	0.345	0.378	0.202	1.18	1.42
	Left Tilted	0.778	0.266	0.450	0.000	1.04	1.23
All Bands Ant 5	Right Cheek	0.591	0.489	0.305	0.062	1.08	0.96
	Right Tilted	0.659	0.457	0.286	0.078	1.12	1.02
	Left Cheek	0.988	0.345	0.378	0.202	1.33	1.57
	Left Tilted	0.859	0.266	0.450	0.000	1.13	1.31
All Bands Ant 7	Right Cheek	0.391	0.489	0.305	0.062	0.88	0.76
	Right Tilted	0.270	0.457	0.286	0.078	0.73	0.63
	Left Cheek	0.750	0.345	0.378	0.202	1.10	1.33
	Left Tilted	0.468	0.266	0.450	0.000	0.73	0.92
All Bands Ant 8	Right Cheek	0.291	0.489	0.305	0.062	0.78	0.66
	Right Tilted	0.125	0.457	0.286	0.078	0.58	0.49
	Left Cheek	0.609	0.345	0.378	0.202	0.95	1.19
	Left Tilted	0.182	0.266	0.450	0.000	0.45	0.63



17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10+17	Case No
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Bluetooth Ant 6	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Front	0.547	0.105	0.055		0.65	0.60	
	Back	0.835	0.337	0.339	0.140	1.17	1.31	
	Left side					0.00	0.00	
	Right side	0.383	0.112	0.354		0.50	0.74	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.194				1.19	1.19	
GSM850 Ant 4	Front	0.496	0.105	0.055		0.60	0.55	
	Back	0.939	0.337	0.339	0.140	1.28	1.42	
	Left side	0.196				0.20	0.20	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.827	0.167	0.234	0.113	0.99	1.17	
	Bottom side					0.00	0.00	
GSM1900 Ant 0	Front	0.423	0.105	0.055		0.53	0.48	
	Back	0.882	0.337	0.339	0.140	1.22	1.36	
	Left side					0.00	0.00	
	Right side	0.068	0.112	0.354		0.18	0.42	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.220				1.22	1.22	
GSM1900 Ant 4	Front	0.439	0.105	0.055		0.54	0.49	
	Back	0.511	0.337	0.339	0.140	0.85	0.99	
	Left side	0.100				0.10	0.10	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.971	0.167	0.234	0.113	1.14	1.32	
	Bottom side					0.00	0.00	
WCDMA V Ant 0	Front	0.383	0.105	0.055		0.49	0.44	
	Back	1.060	0.337	0.339	0.140	1.40	1.54	
	Left side					0.00	0.00	
	Right side	0.299	0.112	0.354		0.41	0.65	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.193				1.19	1.19	
WCDMA V Ant 4	Front	0.357	0.105	0.055		0.46	0.41	
	Back	0.877	0.337	0.339	0.140	1.21	1.36	
	Left side	0.172				0.17	0.17	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.669	0.167	0.234	0.113	0.84	1.02	
	Bottom side					0.00	0.00	
WCDMA IV Ant 0	Front	0.692	0.105	0.055		0.80	0.75	
	Back	0.721	0.337	0.339	0.140	1.06	1.20	
	Left side					0.00	0.00	
	Right side	0.092	0.112	0.354		0.20	0.45	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.116				1.12	1.12	
WCDMA IV Ant 4	Front	0.309	0.105	0.055		0.41	0.36	
	Back	0.618	0.337	0.339	0.140	0.96	1.10	
	Left side	0.064				0.06	0.06	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.920	0.167	0.234	0.113	1.09	1.27	
	Bottom side					0.00	0.00	
WCDMA II Ant 0	Front	0.490	0.105	0.055		0.60	0.55	
	Back	0.743	0.337	0.339	0.140	1.08	1.22	



FCC SAR Test Report

Report No. : FA2N1810

	Left side					0.00	0.00	
	Right side	0.082	0.112	0.354		0.19	0.44	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.129				1.13	1.13	
WCDMA II Ant 4	Front	0.322	0.105	0.055		0.43	0.38	
	Back	0.661	0.337	0.339	0.140	1.00	1.14	
	Left side	0.001				0.00	0.00	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.827	0.167	0.234	0.113	0.99	1.17	
	Bottom side					0.00	0.00	
LTE Band 71 Ant 0	Front	0.455	0.105	0.055		0.56	0.51	
	Back	0.792	0.337	0.339	0.140	1.13	1.27	
	Left side					0.00	0.00	
	Right side	0.437	0.112	0.354		0.55	0.79	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.363				0.36	0.36	
LTE Band 71 Ant 4	Front	0.109	0.105	0.055		0.21	0.16	
	Back	0.250	0.337	0.339	0.140	0.59	0.73	
	Left side	0.120				0.12	0.12	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.226	0.167	0.234	0.113	0.39	0.57	
	Bottom side					0.00	0.00	
LTE Band 12 Ant 0	Front	0.449	0.105	0.055		0.55	0.50	
	Back	0.776	0.337	0.339	0.140	1.11	1.26	
	Left side					0.00	0.00	
	Right side	0.386	0.112	0.354		0.50	0.74	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.413				0.41	0.41	
LTE Band 12 Ant 4	Front	0.188	0.105	0.055		0.29	0.24	
	Back	0.962	0.337	0.339	0.140	1.30	1.44	
	Left side	0.111				0.11	0.11	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.386	0.167	0.234	0.113	0.55	0.73	
	Bottom side					0.00	0.00	
LTE Band 13 Ant 0	Front	0.419	0.105	0.055		0.52	0.47	
	Back	0.985	0.337	0.339	0.140	1.32	1.46	
	Left side					0.00	0.00	
	Right side	0.482	0.112	0.354		0.59	0.84	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.650				0.65	0.65	
LTE Band 13 Ant 4	Front	0.259	0.105	0.055		0.36	0.31	
	Back	0.820	0.337	0.339	0.140	1.16	1.30	
	Left side	0.201				0.20	0.20	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.339	0.167	0.234	0.113	0.51	0.69	
	Bottom side					0.00	0.00	
LTE Band 14 Ant 0	Front	0.502	0.105	0.055		0.61	0.56	
	Back	1.004	0.337	0.339	0.140	1.34	1.48	
	Left side					0.00	0.00	
	Right side	0.579	0.112	0.354		0.69	0.93	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.852				0.85	0.85	
LTE Band 14 Ant 4	Front	0.286	0.105	0.055		0.39	0.34	
	Back	0.869	0.337	0.339	0.140	1.21	1.35	
	Left side	0.220				0.22	0.22	
	Right side		0.112	0.354		0.11	0.35	



FCC SAR Test Report

Report No. : FA2N1810

	Top side	0.396	0.167	0.234	0.113	0.56	0.74	
	Bottom side					0.00	0.00	
LTE Band 26 Ant 0	Front	0.527	0.105	0.055		0.63	0.58	
	Back	1.214	0.337	0.339	0.140	1.55	1.69	Case1
	Left side					0.00	0.00	
	Right side	0.424	0.112	0.354		0.54	0.78	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.184				1.18	1.18	
LTE Band 26 Ant 4	Front	0.336	0.105	0.055		0.44	0.39	
	Back	0.900	0.337	0.339	0.140	1.24	1.38	
	Left side	0.154				0.15	0.15	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.509	0.167	0.234	0.113	0.68	0.86	
	Bottom side					0.00	0.00	
LTE Band 66 Ant 0	Front	0.701	0.105	0.055		0.81	0.76	
	Back	0.715	0.337	0.339	0.140	1.05	1.19	
	Left side					0.00	0.00	
	Right side	0.081	0.112	0.354		0.19	0.44	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.138				1.14	1.14	
LTE Band 66 Ant 4	Front	0.312	0.105	0.055		0.42	0.37	
	Back	0.477	0.337	0.339	0.140	0.81	0.96	
	Left side	0.070				0.07	0.07	
	Right side		0.112	0.354		0.11	0.35	
	Top side	1.001	0.167	0.234	0.113	1.17	1.35	
	Bottom side					0.00	0.00	
LTE Band 25 Ant 0	Front	0.538	0.105	0.055		0.64	0.59	
	Back	0.887	0.337	0.339	0.140	1.22	1.37	
	Left side					0.00	0.00	
	Right side	0.063	0.112	0.354		0.18	0.42	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.243				1.24	1.24	
LTE Band 25 Ant 4	Front	0.419	0.105	0.055		0.52	0.47	
	Back	0.523	0.337	0.339	0.140	0.86	1.00	
	Left side	0.110				0.11	0.11	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.967	0.167	0.234	0.113	1.13	1.31	
	Bottom side					0.00	0.00	
LTE Band 30 Ant 1	Front	0.420	0.105	0.055		0.53	0.48	
	Back	1.057	0.337	0.339	0.140	1.39	1.54	
	Left side	0.449				0.45	0.45	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.534				0.53	0.53	
LTE Band 30 Ant 4	Front	0.285	0.105	0.055		0.39	0.34	
	Back	0.489	0.337	0.339	0.140	0.83	0.97	
	Left side					0.00	0.00	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.819	0.167	0.234	0.113	0.99	1.17	
	Bottom side					0.00	0.00	
LTE Band 7 Ant 1	Front	0.452	0.105	0.055		0.56	0.51	
	Back	1.240	0.337	0.339	0.140	1.58	1.72	Case2
	Left side	0.383				0.38	0.38	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.580				0.58	0.58	



FCC SAR Test Report

Report No. : FA2N1810

LTE Band 7 Ant 4	Front	0.225	0.105	0.055		0.33	0.28	
	Back	0.416	0.337	0.339	0.140	0.75	0.90	
	Left side					0.00	0.00	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.828	0.167	0.234	0.113	1.00	1.18	
	Bottom side					0.00	0.00	
LTE Band 41 Ant 1	Front	0.488	0.105	0.055		0.59	0.54	
	Back	1.137	0.337	0.339	0.140	1.47	1.62	Case3
	Left side	0.445				0.45	0.45	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.768				0.77	0.77	
LTE Band 48 Ant 5	Front	0.263	0.105	0.055		0.37	0.32	
	Back	0.629	0.337	0.339	0.140	0.97	1.11	
	Left side	0.042				0.04	0.04	
	Right side	0.231	0.112	0.354		0.34	0.59	
	Top side	0.176	0.167	0.234	0.113	0.34	0.52	
	Bottom side					0.00	0.00	

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10+17	Case No
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Bluetooth Ant 6	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
FR1 n71 Ant 0	Front	0.174	0.105	0.055		0.28	0.23	
	Back	0.325	0.337	0.339	0.140	0.66	0.80	
	Left side					0.00	0.00	
	Right side	0.434	0.112	0.354		0.55	0.79	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.225				0.23	0.23	
FR1 n71 Ant 4	Front	0.108	0.105	0.055		0.21	0.16	
	Back	0.251	0.337	0.339	0.140	0.59	0.73	
	Left side	0.111				0.11	0.11	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.181	0.167	0.234	0.113	0.35	0.53	
	Bottom side					0.00	0.00	
FR1 n12 Ant 0	Front	0.367	0.105	0.055		0.47	0.42	
	Back	0.557	0.337	0.339	0.140	0.89	1.04	
	Left side					0.00	0.00	
	Right side	0.627	0.112	0.354		0.74	0.98	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.399				0.40	0.40	
FR1 n12 Ant 4	Front	0.153	0.105	0.055		0.26	0.21	
	Back	0.555	0.337	0.339	0.140	0.89	1.03	
	Left side	0.113				0.11	0.11	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.468	0.167	0.234	0.113	0.64	0.82	
	Bottom side					0.00	0.00	
FR1 n14 Ant 0	Front	0.548	0.105	0.055		0.65	0.60	
	Back	1.066	0.337	0.339	0.140	1.40	1.55	
	Left side					0.00	0.00	
	Right side	0.579	0.112	0.354		0.69	0.93	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.961				0.96	0.96	
FR1 n14 Ant 4	Front	0.271	0.105	0.055		0.38	0.33	
	Back	0.707	0.337	0.339	0.140	1.04	1.19	
	Left side	0.128				0.13	0.13	



FCC SAR Test Report

Report No. : FA2N1810

	Right side		0.112	0.354		0.11	0.35	
	Top side	0.499	0.167	0.234	0.113	0.67	0.85	
	Bottom side					0.00	0.00	
FR1 n26 Ant 0	Front	0.592	0.105	0.055		0.70	0.65	
	Back	1.127	0.337	0.339	0.140	1.46	1.61	Case4
	Left side					0.00	0.00	
	Right side	0.385	0.112	0.354		0.50	0.74	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.007				1.01	1.01	
FR1 n26 Ant 4	Front	0.313	0.105	0.055		0.42	0.37	
	Back	0.908	0.337	0.339	0.140	1.25	1.39	
	Left side	0.161				0.16	0.16	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.503	0.167	0.234	0.113	0.67	0.85	
	Bottom side					0.00	0.00	
FR1 n70 Ant 0	Front	0.679	0.105	0.055		0.78	0.73	
	Back	0.717	0.337	0.339	0.140	1.05	1.20	
	Left side					0.00	0.00	
	Right side	0.095	0.112	0.354		0.21	0.45	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.206				1.21	1.21	
FR1 n70 Ant 4	Front	0.482	0.105	0.055		0.59	0.54	
	Back	0.762	0.337	0.339	0.140	1.10	1.24	
	Left side	0.070				0.07	0.07	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.877	0.167	0.234	0.113	1.04	1.22	
	Bottom side					0.00	0.00	
FR1 n66 Ant 0	Front	0.695	0.105	0.055		0.80	0.75	
	Back	0.905	0.337	0.339	0.140	1.24	1.38	
	Left side					0.00	0.00	
	Right side	0.084	0.112	0.354		0.20	0.44	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.237				1.24	1.24	
FR1 n66 Ant 4	Front	0.411	0.105	0.055		0.52	0.47	
	Back	0.612	0.337	0.339	0.140	0.95	1.09	
	Left side	0.087				0.09	0.09	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.981	0.167	0.234	0.113	1.15	1.33	
	Bottom side					0.00	0.00	
FR1 n25 Ant 0	Front	0.542	0.105	0.055		0.65	0.60	
	Back	0.908	0.337	0.339	0.140	1.25	1.39	
	Left side					0.00	0.00	
	Right side	0.072	0.112	0.354		0.18	0.43	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	1.164				1.16	1.16	
FR1 n25 Ant 4	Front	0.503	0.105	0.055		0.61	0.56	
	Back	0.695	0.337	0.339	0.140	1.03	1.17	
	Left side	0.138				0.14	0.14	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.920	0.167	0.234	0.113	1.09	1.27	
	Bottom side					0.00	0.00	
FR1 n30 Ant 1	Front	0.423	0.105	0.055		0.53	0.48	
	Back	1.143	0.337	0.339	0.140	1.48	1.62	Case5
	Left side	0.407				0.41	0.41	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	



FCC SAR Test Report

Report No. : FA2N1810

	Bottom side	0.607				0.61	0.61	
FR1 n30 Ant 4	Front	0.314	0.105	0.055		0.42	0.37	
	Back	0.656	0.337	0.339	0.140	0.99	1.14	
	Left side					0.00	0.00	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.936	0.167	0.234	0.113	1.10	1.28	
	Bottom side					0.00	0.00	
FR1 n7 Ant 1	Front	0.513	0.105	0.055		0.62	0.57	
	Back	1.221	0.337	0.339	0.140	1.56	1.70	Case6
	Left side	0.462				0.46	0.46	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.620				0.62	0.62	
FR1 n7 Ant 4	Front	0.309	0.105	0.055		0.41	0.36	
	Back	0.558	0.337	0.339	0.140	0.90	1.04	
	Left side					0.00	0.00	
	Right side		0.112	0.354		0.11	0.35	
	Top side	0.995	0.167	0.234	0.113	1.16	1.34	
	Bottom side					0.00	0.00	
FR1 n41 Ant 1	Front	0.590	0.105	0.055		0.70	0.65	
	Back	1.247	0.337	0.339	0.140	1.58	1.73	Case7
	Left side	0.531				0.53	0.53	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.714				0.71	0.71	
FR1 n41 Ant 2	Front		0.105	0.055		0.11	0.06	
	Back	0.879	0.337	0.339	0.140	1.22	1.36	
	Left side	0.142				0.14	0.14	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side					0.00	0.00	
FR1 n41 Ant 4	Front	0.296	0.105	0.055		0.40	0.35	
	Back	0.607	0.337	0.339	0.140	0.94	1.09	
	Left side					0.00	0.00	
	Right side		0.112	0.354		0.11	0.35	
	Top side	1.029	0.167	0.234	0.113	1.20	1.38	
	Bottom side					0.00	0.00	
FR1 n41 Ant 7	Front	0.229	0.105	0.055		0.33	0.28	
	Back	0.960	0.337	0.339	0.140	1.30	1.44	
	Left side					0.00	0.00	
	Right side	0.404	0.112	0.354		0.52	0.76	
	Top side	0.196	0.167	0.234	0.113	0.36	0.54	
	Bottom side					0.00	0.00	
FR1 n48 Ant 5	Front	0.347	0.105	0.055		0.45	0.40	
	Back	0.887	0.337	0.339	0.140	1.22	1.37	
	Left side					0.00	0.00	
	Right side	0.332	0.112	0.354		0.44	0.69	
	Top side	0.366	0.167	0.234	0.113	0.53	0.71	
	Bottom side					0.00	0.00	
FR1 n77 Ant 5	Front	0.792	0.105	0.055		0.90	0.85	
	Back	0.976	0.337	0.339	0.140	1.31	1.46	
	Left side	0.106				0.11	0.11	
	Right side	0.520	0.112	0.354		0.63	0.87	
	Top side	0.933	0.167	0.234	0.113	1.10	1.28	
	Bottom side					0.00	0.00	
FR1 n77 Ant 1	Front	0.181	0.105	0.055		0.29	0.24	



FCC SAR Test Report

Report No. : FA2N1810

	Back	0.987	0.337	0.339	0.140	1.32	1.47	
	Left side	0.164				0.16	0.16	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
	Bottom side	0.501				0.50	0.50	
FR1 n77 Ant 2	Front		0.105	0.055		0.11	0.06	
	Back	0.963	0.337	0.339	0.140	1.30	1.44	
	Left side	0.177				0.18	0.18	
	Right side		0.112	0.354		0.11	0.35	
	Top side		0.167	0.234	0.113	0.17	0.35	
FR1 n77 Ant 8	Bottom side					0.00	0.00	
	Front		0.105	0.055		0.11	0.06	
	Back	0.841	0.337	0.339	0.140	1.18	1.32	
	Left side					0.00	0.00	
	Right side	0.298	0.112	0.354		0.41	0.65	
	Top side	0.067	0.167	0.234	0.113	0.23	0.41	
	Bottom side					0.00	0.00	



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10+17	Case No
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Bluetooth Ant 6	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Front	0.547	0.156	0.333		0.70	0.88	
	Back	0.835	0.341	0.392	0.140	1.18	1.37	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
GSM850 Ant 4	Front	0.496	0.156	0.333		0.65	0.83	
	Back	0.939	0.341	0.392	0.140	1.28	1.47	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
GSM1900 Ant 0	Front	0.423	0.156	0.333		0.58	0.76	
	Back	0.882	0.341	0.392	0.140	1.22	1.41	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
GSM1900 Ant 4	Front	0.439	0.156	0.333		0.60	0.77	
	Back	0.511	0.341	0.392	0.140	0.85	1.04	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
WCDMA V Ant 0	Front	0.383	0.156	0.333		0.54	0.72	
	Back	1.060	0.341	0.392	0.140	1.40	1.59	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
WCDMA V Ant 4	Front	0.357	0.156	0.333		0.51	0.69	
	Back	0.877	0.341	0.392	0.140	1.22	1.41	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
WCDMA IV Ant 0	Front	0.692	0.156	0.333		0.85	1.03	
	Back	0.721	0.341	0.392	0.140	1.06	1.25	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
WCDMA IV Ant 4	Front	0.309	0.156	0.333		0.47	0.64	
	Back	0.618	0.341	0.392	0.140	0.96	1.15	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
WCDMA II Ant 0	Front	0.490	0.156	0.333		0.65	0.82	
	Back	0.743	0.341	0.392	0.140	1.08	1.28	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
WCDMA II Ant 4	Front	0.322	0.156	0.333		0.48	0.66	
	Back	0.661	0.341	0.392	0.140	1.00	1.19	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 71 Ant 0	Front	0.455	0.156	0.333		0.61	0.79	
	Back	0.792	0.341	0.392	0.140	1.13	1.32	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 71 Ant 4	Front	0.109	0.156	0.333		0.27	0.44	
	Back	0.250	0.341	0.392	0.140	0.59	0.78	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 12 Ant 0	Front	0.449	0.156	0.333		0.61	0.78	
	Back	0.776	0.341	0.392	0.140	1.12	1.31	



FCC SAR Test Report

Report No. : FA2N1810

	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 12 Ant 4	Front	0.188	0.156	0.333		0.34	0.52	
	Back	0.962	0.341	0.392	0.140	1.30	1.49	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 13 Ant 0	Front	0.419	0.156	0.333		0.58	0.75	
	Back	0.985	0.341	0.392	0.140	1.33	1.52	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 13 Ant 4	Front	0.259	0.156	0.333		0.42	0.59	
	Back	0.820	0.341	0.392	0.140	1.16	1.35	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 14 Ant 0	Front	0.502	0.156	0.333		0.66	0.84	
	Back	1.004	0.341	0.392	0.140	1.35	1.54	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 14 Ant 4	Front	0.286	0.156	0.333		0.44	0.62	
	Back	0.869	0.341	0.392	0.140	1.21	1.40	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 26 Ant 0	Front	0.527	0.156	0.333		0.68	0.86	
	Back	1.214	0.341	0.392	0.140	1.56	1.75	Case8
	Front with Headset					0.00	0.00	
	Back with Headset	1.060				1.06	1.06	
LTE Band 26 Ant 4	Front	0.336	0.156	0.333		0.49	0.67	
	Back	0.900	0.341	0.392	0.140	1.24	1.43	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 66 Ant 0	Front	0.701	0.156	0.333		0.86	1.03	
	Back	0.715	0.341	0.392	0.140	1.06	1.25	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 66 Ant 4	Front	0.312	0.156	0.333		0.47	0.65	
	Back	0.477	0.341	0.392	0.140	0.82	1.01	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 25 Ant 0	Front	0.538	0.156	0.333		0.69	0.87	
	Back	0.887	0.341	0.392	0.140	1.23	1.42	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 25 Ant 4	Front	0.419	0.156	0.333		0.58	0.75	
	Back	0.523	0.341	0.392	0.140	0.86	1.06	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 30 Ant 1	Front	0.420	0.156	0.333		0.58	0.75	
	Back	1.057	0.341	0.392	0.140	1.40	1.59	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 30 Ant 4	Front	0.285	0.156	0.333		0.44	0.62	
	Back	0.489	0.341	0.392	0.140	0.83	1.02	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 7 Ant 1	Front	0.452	0.156	0.333		0.61	0.79	
	Back	1.081	0.341	0.392	0.140	1.42	1.61	Case9



FCC SAR Test Report

Report No. : FA2N1810

	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 7 Ant 4	Front	0.225	0.156	0.333		0.38	0.56	
	Back	0.416	0.341	0.392	0.140	0.76	0.95	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 41 Ant 1	Front	0.488	0.156	0.333		0.64	0.82	
	Back	1.137	0.341	0.392	0.140	1.48	1.67	Case10
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
LTE Band 48 Ant 5	Front	0.263	0.156	0.333		0.42	0.60	
	Back	0.629	0.341	0.392	0.140	0.97	1.16	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10+17	Case No
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Bluetooth Ant 6	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
FR1 n71 Ant 0	Front	0.174	0.156	0.333		0.33	0.51	
	Back	0.325	0.341	0.392	0.140	0.67	0.86	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n71 Ant 4	Front	0.108	0.156	0.333		0.26	0.44	
	Back	0.251	0.341	0.392	0.140	0.59	0.78	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n12 Ant 0	Front	0.367	0.156	0.333		0.52	0.70	
	Back	0.557	0.341	0.392	0.140	0.90	1.09	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n12 Ant 4	Front	0.153	0.156	0.333		0.31	0.49	
	Back	0.555	0.341	0.392	0.140	0.90	1.09	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n14 Ant 0	Front	0.548	0.156	0.333		0.70	0.88	
	Back	1.066	0.341	0.392	0.140	1.41	1.60	Case11
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n14 Ant 4	Front	0.271	0.156	0.333		0.43	0.60	
	Back	0.707	0.341	0.392	0.140	1.05	1.24	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n26 Ant 0	Front	0.592	0.156	0.333		0.75	0.93	
	Back	1.127	0.341	0.392	0.140	1.47	1.66	Case12
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n26 Ant 4	Front	0.313	0.156	0.333		0.47	0.65	
	Back	0.908	0.341	0.392	0.140	1.25	1.44	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n70 Ant 0	Front	0.679	0.156	0.333		0.84	1.01	
	Back	0.717	0.341	0.392	0.140	1.06	1.25	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n70 Ant 4	Front	0.482	0.156	0.333		0.64	0.82	



FCC SAR Test Report

Report No. : FA2N1810

	Back	0.762	0.341	0.392	0.140	1.10	1.29	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n66 Ant 0	Front	0.695	0.156	0.333		0.85	1.03	
	Back	0.905	0.341	0.392	0.140	1.25	1.44	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n66 Ant 4	Front	0.411	0.156	0.333		0.57	0.74	
	Back	0.612	0.341	0.392	0.140	0.95	1.14	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n25 Ant 0	Front	0.542	0.156	0.333		0.70	0.88	
	Back	0.908	0.341	0.392	0.140	1.25	1.44	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n25 Ant 4	Front	0.503	0.156	0.333		0.66	0.84	
	Back	0.695	0.341	0.392	0.140	1.04	1.23	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n30 Ant 1	Front	0.423	0.156	0.333		0.58	0.76	
	Back	1.143	0.341	0.392	0.140	1.48	1.68	Case13
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n30 Ant 4	Front	0.314	0.156	0.333		0.47	0.65	
	Back	0.656	0.341	0.392	0.140	1.00	1.19	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n7 Ant 1	Front	0.513	0.156	0.333		0.67	0.85	
	Back	1.221	0.341	0.392	0.140	1.56	1.75	Case14
	Front with Headset					0.00	0.00	
	Back with Headset	1.131				1.13	1.13	
FR1 n7 Ant 4	Front	0.309	0.156	0.333		0.47	0.64	
	Back	0.558	0.341	0.392	0.140	0.90	1.09	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n41 Ant 1	Front	0.590	0.156	0.333		0.75	0.92	
	Back	1.234	0.341	0.392	0.140	1.58	1.77	Case15
	Front with Headset					0.00	0.00	
	Back with Headset	1.098				1.10	1.10	
FR1 n41 Ant 2	Front		0.156	0.333		0.16	0.33	
	Back	0.879	0.341	0.392	0.140	1.22	1.41	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n41 Ant 4	Front	0.296	0.156	0.333		0.45	0.63	
	Back	0.607	0.341	0.392	0.140	0.95	1.14	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n41 Ant 7	Front	0.229	0.156	0.333		0.39	0.56	
	Back	0.960	0.341	0.392	0.140	1.30	1.49	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n48 Ant 5	Front	0.347	0.156	0.333		0.50	0.68	
	Back	0.887	0.341	0.392	0.140	1.23	1.42	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n77 Ant 5	Front	0.792	0.156	0.333		0.95	1.13	



FCC SAR Test Report

Report No. : FA2N1810

	Back	0.976	0.341	0.392	0.140	1.32	1.51	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n77 Ant 1	Front	0.181	0.156	0.333		0.34	0.51	
	Back	0.987	0.341	0.392	0.140	1.33	1.52	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n77 Ant 2	Front		0.156	0.333		0.16	0.33	
	Back	0.963	0.341	0.392	0.140	1.30	1.50	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	
FR1 n77 Ant 8	Front		0.156	0.333		0.16	0.33	
	Back	0.841	0.341	0.392	0.140	1.18	1.37	
	Front with Headset					0.00	0.00	
	Back with Headset					0.00	0.00	



17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

WWAN Band	Exposure Position	1	3	10	1+3	1+10
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM850 Ant 0	Front		0.957	0.481	0.96	0.48
	Back	1.394	0.183	0.740	1.58	2.13
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.067			2.07	2.07
GSM850 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.659	0.183	0.740	1.84	2.40
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
GSM1900 Ant 0	Front	1.527	0.957	0.481	2.48	2.01
	Back	2.123	0.183	0.740	2.31	2.86
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.556			2.56	2.56
GSM1900 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.437	0.183	0.740	1.62	2.18
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.644	0.134	0.865	2.78	3.51
	Bottom side				0.00	0.00
WCDMA V Ant 0	Front		0.957	0.481	0.96	0.48
	Back	1.737	0.183	0.740	1.92	2.48
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.304			2.30	2.30
WCDMA V Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.619	0.183	0.740	1.80	2.36
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
WCDMA IV Ant 0	Front	1.699	0.957	0.481	2.66	2.18
	Back	2.003	0.183	0.740	2.19	2.74
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.308			2.31	2.31
WCDMA IV Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.309	0.183	0.740	1.49	2.05
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.462	0.134	0.865	2.60	3.33



FCC SAR Test Report

Report No. : FA2N1810

	Bottom side				0.00	0.00
WCDMA II Ant 0	Front	1.154	0.957	0.481	2.11	1.64
	Back	1.284	0.183	0.740	1.47	2.02
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.471			2.47	2.47
WCDMA II Ant 4	Front	1.124	0.957	0.481	2.08	1.61
	Back	1.545	0.183	0.740	1.73	2.29
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.474	0.134	0.865	2.61	3.34
	Bottom side				0.00	0.00
LTE Band 13 Ant 0	Front		0.957	0.481	0.96	0.48
	Back	2.143	0.183	0.740	2.33	2.88
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
LTE Band 14 Ant 0	Front		0.957	0.481	0.96	0.48
	Back	2.046	0.183	0.740	2.23	2.79
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.106			2.11	2.11
LTE Band 26 Ant 0	Front		0.957	0.481	0.96	0.48
	Back	1.704	0.183	0.740	1.89	2.44
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.294			2.29	2.29
LTE Band 26 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	2.296	0.183	0.740	2.48	3.04
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
LTE Band 66 Ant 0	Front	2.157	0.957	0.481	3.11	2.64
	Back	2.253	0.183	0.740	2.44	2.99
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.763			2.76	2.76
LTE Band 66 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.455	0.183	0.740	1.64	2.20
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.740	0.134	0.865	2.87	3.61
	Bottom side				0.00	0.00
LTE Band 25 Ant 0	Front	1.356	0.957	0.481	2.31	1.84
	Back	1.572	0.183	0.740	1.76	2.31
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.699			2.70	2.70
LTE Band 25 Ant 4	Front	1.457	0.957	0.481	2.41	1.94



	Back	1.788	0.183	0.740	1.97	2.53
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.656	0.134	0.865	2.79	3.52
	Bottom side				0.00	0.00
LTE Band 30 Ant 1	Front		0.957	0.481	0.96	0.48
	Back	2.694	0.183	0.740	2.88	3.43
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
LTE Band 30 Ant 4	Bottom side				0.00	0.00
	Front		0.957	0.481	0.96	0.48
	Back	0.978	0.183	0.740	1.16	1.72
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
LTE Band 7 Ant 1	Top side	2.270	0.134	0.865	2.40	3.14
	Bottom side				0.00	0.00
	Front	0.938	0.957	0.481	1.90	1.42
	Back	2.657	0.183	0.740	2.84	3.40
	Left side	0.927			0.93	0.93
LTE Band 7 Ant 4	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.411			1.41	1.41
	Front	0.784	0.957	0.481	1.74	1.27
	Back	1.309	0.183	0.740	1.49	2.05
LTE Band 41 Ant 1	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.505	0.134	0.865	2.64	3.37
	Bottom side				0.00	0.00
	Front		0.957	0.481	0.96	0.48
LTE Band 48 Ant 5	Back	2.669	0.183	0.740	2.85	3.41
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.469			1.47	1.47
LTE Band 48 Ant 5	Front	1.611	0.957	0.481	2.57	2.09
	Back	1.912	0.183	0.740	2.10	2.65
	Left side				0.00	0.00
	Right side	0.680	1.216	1.074	1.90	1.75
	Top side		0.134	0.865	0.13	0.87
LTE Band 48 Ant 5	Bottom side				0.00	0.00



FCC SAR Test Report

Report No. : FA2N1810

WWAN Band	Exposure Position	1	3	10	1+3	1+10
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n14 Ant 0	Front		0.957	0.481	0.96	0.48
	Back	1.594	0.183	0.740	1.78	2.33
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.793			1.79	1.79
FR1 n26 Ant 0	Front		0.957	0.481	0.96	0.48
	Back	0.975	0.183	0.740	1.16	1.72
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.624			1.62	1.62
FR1 n26 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.186	0.183	0.740	1.37	1.93
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
FR1 n70 Ant 0	Front	1.529	0.957	0.481	2.49	2.01
	Back	1.496	0.183	0.740	1.68	2.24
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	2.424			2.42	2.42
FR1 n70 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.513	0.183	0.740	1.70	2.25
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.693	0.134	0.865	2.83	3.56
	Bottom side				0.00	0.00
FR1 n25 Ant 4	Front	1.328	0.957	0.481	2.29	1.81
	Back	1.539	0.183	0.740	1.72	2.28
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.601	0.134	0.865	2.74	3.47
	Bottom side				0.00	0.00
FR1 n30 Ant 1	Front		0.957	0.481	0.96	0.48
	Back	2.644	0.183	0.740	2.83	3.38
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.030			1.03	1.03
FR1 n30 Ant 4	Front		0.957	0.481	0.96	0.48
	Back	1.019	0.183	0.740	1.20	1.76
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.540	0.134	0.865	2.67	3.41
	Bottom side				0.00	0.00
FR1 n7 Ant 1	Front	1.069	0.957	0.481	2.03	1.55
	Back	2.593	0.183	0.740	2.78	3.33
	Left side	1.059			1.06	1.06
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.430			1.43	1.43
FR1 n7 Ant 4	Front	0.866	0.957	0.481	1.82	1.35
	Back	1.411	0.183	0.740	1.59	2.15



FCC SAR Test Report

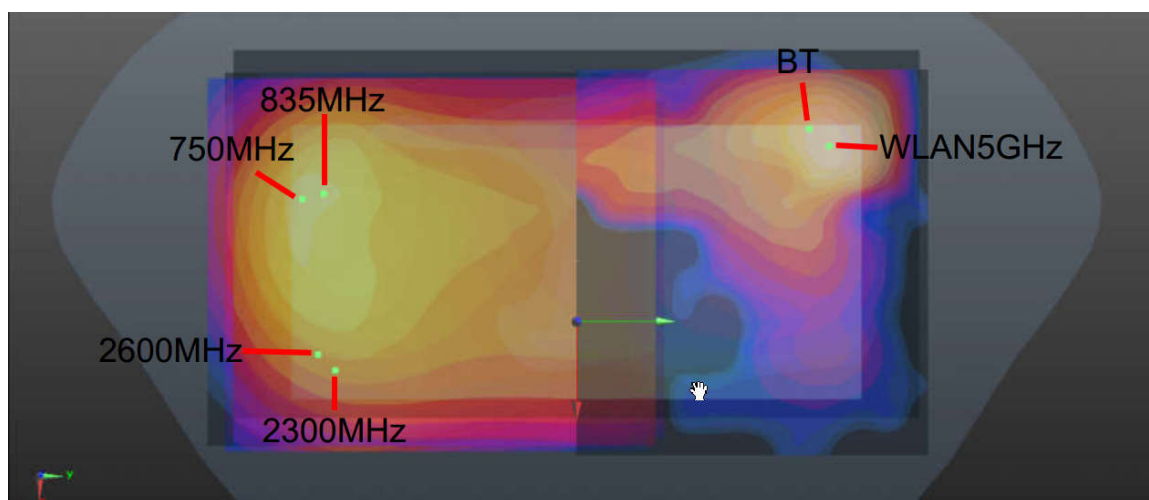
Report No. : FA2N1810

	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.708	0.134	0.865	2.84	3.57
	Bottom side				0.00	0.00
FR1 n41 Ant 1	Front	1.172	0.957	0.481	2.13	1.65
	Back	2.695	0.183	0.740	2.88	3.44
	Left side	1.235			1.24	1.24
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	1.497			1.50	1.50
FR1 n41 Ant 2	Front		0.957	0.481	0.96	0.48
	Back	2.731	0.183	0.740	2.91	3.47
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
FR1 n41 Ant 4	Front		0.957	0.481	0.96	0.48
	Back		0.183	0.740	0.18	0.74
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side	2.383	0.134	0.865	2.52	3.25
	Bottom side				0.00	0.00
FR1 n41 Ant 7	Front		0.957	0.481	0.96	0.48
	Back	2.133	0.183	0.740	2.32	2.87
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
FR1 n48 Ant 5	Front	1.629	0.957	0.481	2.59	2.11
	Back	2.438	0.183	0.740	2.62	3.18
	Left side				0.00	0.00
	Right side	0.956	1.216	1.074	2.17	2.03
	Top side	1.519	0.134	0.865	1.65	2.38
	Bottom side				0.00	0.00
FR1 n77 Ant 5	Front	1.863	0.957	0.481	2.82	2.34
	Back	2.385	0.183	0.740	2.57	3.13
	Left side				0.00	0.00
	Right side	1.475	1.216	1.074	2.69	2.55
	Top side	2.496	0.134	0.865	2.63	3.36
	Bottom side				0.00	0.00
FR1 n77 Ant 1	Front		0.957	0.481	0.96	0.48
	Back	2.439	0.183	0.740	2.62	3.18
	Left side				0.00	0.00
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side	0.724			0.72	0.72
FR1 n77 Ant 2	Front		0.957	0.481	0.96	0.48
	Back	2.478	0.183	0.740	2.66	3.22
	Left side	0.786			0.79	0.79
	Right side		1.216	1.074	1.22	1.07
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00
FR1 n77 Ant 8	Front		0.957	0.481	0.96	0.48
	Back	2.728	0.183	0.740	2.91	3.47
	Left side				0.00	0.00
	Right side	1.364	1.216	1.074	2.58	2.44
	Top side		0.134	0.865	0.13	0.87
	Bottom side				0.00	0.00

17.6 SPLSR Evaluation and Analysis

General Note:

- When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
- $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.



WWAN+ WLAN 5GHz+ BT_ Back 5mm

For Hotspot

	Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 1	LTE Band 26	Back	1.214	5mm	-0.0365	-0.072	-0.205	142.7	1.55	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
	LTE Band 26	Back	1.214	5mm	-0.0365	-0.072	-0.205	139.5	1.35	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
Case 2	LTE Band 7	Back	1.24	5mm	0.0008	-0.0724	-0.205	151.2	1.58	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
	LTE Band 7	Back	1.24	5mm	0.0008	-0.0724	-0.205	150.0	1.38	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
Case 3	LTE Band 41	Back	1.137	5mm	-0.0002	-0.0604	-0.204	139.6	1.48	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
	LTE Band 41	Back	1.137	5mm	-0.0002	-0.0604	-0.204	138.6	1.28	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
Case 4	FR1 n26	Back	1.127	5mm	-0.0485	-0.085	-0.205	155.0	1.47	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n26	Back	1.127	5mm	-0.0485	-0.085	-0.205	151.3	1.27	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n30	Back	1.143	5mm	0.0088	-0.0736	-0.204	155.2	1.48	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
	FR1 n30	Back	1.143	5mm	0.0088	-0.0736	-0.204	154.4	1.28	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n7	Back	1.221	5mm	0.0044	-0.0736	-0.204	153.6	1.56	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
	FR1 n7	Back	1.221	5mm	0.0044	-0.0736	-0.204	152.5	1.36	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
Case 7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n41	Back	1.247	5mm	0.0106	-0.0724	-0.204	154.8	1.59	0.01	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				
	FR1 n41	Back	1.247	5mm	0.0106	-0.0724	-0.204	154.1	1.39	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	Bluetooth	Back	0.14	5mm	-0.057	0.066	-0.207	8.1	0.48	0.04	Not required
	WLAN5GHz		0.339	5mm	-0.05	0.07	-0.207				

For Body

Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Back	1.214	5mm	-0.0365	-0.072	-0.205	145.7	1.61	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	LTE Band 26	Back	1.214	5mm	-0.0365	-0.072	-0.205	139.5	1.35	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7	Back	1.081	5mm	0.0008	-0.0724	-0.205	154.4	1.47	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	LTE Band 7	Back	1.081	5mm	0.0008	-0.0724	-0.205	150.0	1.22	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41	Back	1.137	5mm	-0.0002	-0.0604	-0.204	142.8	1.53	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	LTE Band 41	Back	1.137	5mm	-0.0002	-0.0604	-0.204	138.6	1.28	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n14	Back	1.066	5mm	-0.05	-0.0805	-0.205	153.5	1.46	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				



FCC SAR Test Report

Report No. : FA2N1810

	FR1 n14	Back	1.066	5mm	-0.05	-0.0805	-0.205	146.7	1.21	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n26	Back	1.127	5mm	-0.0485	-0.085	-0.205	158.0	1.52	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	FR1 n26	Back	1.127	5mm	-0.0485	-0.085	-0.205	151.3	1.27	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n30	Back	1.143	5mm	0.0088	-0.0736	-0.204	158.4	1.54	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	FR1 n30	Back	1.143	5mm	0.0088	-0.0736	-0.204	154.4	1.28	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n7	Back	1.221	5mm	0.0044	-0.0736	-0.204	156.7	1.61	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	FR1 n7	Back	1.221	5mm	0.0044	-0.0736	-0.204	152.5	1.36	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
Case 15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n41	Back	1.234	5mm	0.0106	-0.0724	-0.204	157.9	1.63	0.01	Not required
	WLAN5GHz		0.392	5mm	-0.051	0.073	-0.207				
	FR1 n41	Back	1.234	5mm	0.0106	-0.0724	-0.204	154.1	1.37	0.01	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				
	WLAN5GHz	Back	0.392	5mm	-0.051	0.073	-0.207	9.2	0.53	0.04	Not required
	Bluetooth		0.14	5mm	-0.057	0.066	-0.207				

18. Supplemental tuner tests results

General Note:

1. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 5/12/13/14/17/26, 5GNR n5/n12/n14/n26 for ANT0.
2. LTE B17 / B5 SAR test was covered by LTE B12 / B26; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
3. 5GNR n26 SAR test was covered by 5GNR n5; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
4. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
5. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
6. To evaluate all of the tuner states, the 144 tuner states for ANT0 is divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
7. According to April 2019 TCB workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
8. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
9. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

Test Engineer : Hank Huang, Kevin Xu, David Dai, Bin He

19. Uncertainty Assessment

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

20. References

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

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