



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data(spot check)

Part I - Test Results(Worst Mode)

Test Band	Test Item	Worst Mode	Test Limit[dBm]	ELE-L04m(FCC ID: QISELE-L04M) Maximum Power[dBm]	ELE-L29m (FCC ID: QISELE-LX9M) Maximum Power[dBm]	Deviation	Verdict
GSM850	ERP	GPRS	38.5	24.23	24.19	-0.04	PASS
GSM1900	EIRP	GPRS	33	26.47	26	-0.47	PASS
WCDMA850	ERP	QPSK	38.5	16.65	15.97	-0.68	PASS
WCDMA1900	EIRP	QPSK	33	21.50	21.93	0.43	PASS
LTE Band 5	ERP	QPSK	38.5	17.31	17.2	-0.11	PASS
LTE Band 12	ERP	QPSK	34.7	22.43	21.88	-0.55	PASS
LTE Band 17	ERP	QPSK	34.7	22.44	21.93	-0.51	PASS
LTE Band 26(814-824MHz)	ERP	QPSK	50	22.15	21.68	-0.47	PASS
LTE Band 38	EIRP	QPSK	33	21.45	21.08	-0.37	PASS
LTE Band 41(2535 to 2655 MHz)	EIRP	QPSK	33	21.43	21.75	0.32	PASS
Band_CA_38C	EIRP	QPSK	33	22.29	21.55	-0.74	PASS

Test Band	Test Item	Worst Mode	Test Limit[dBm]	ELE-L04m(FCC ID: QISELE-L04M) Maximum Power[dBm]	ELE-L29m (FCC ID: QISELE-LX9M) Maximum Power[dBm]	Deviation	Verdict
Band_CA_41C(2535 to 2655 MHz)	EIRP	QPSK	33	22.35	23.32	0.97	PASS

Note: Comparison of Two Models, upper deviation is within 3dB range and all test results are under FCC Technical Limits.

2Appendix_B: Peak-to-Average Ratio

Refer to No. SYBH(Z-RF) 20190401017001-2001 of ELE-L04m(FCC ID: QISELE-L04M).

3Appendix_C: Modulation Characteristics

Refer to No. SYBH(Z-RF) 20190401017001-2001 of ELE-L04m(FCC ID: QISELE-L04M).

4Appendix_D: Bandwidth

Refer to No. SYBH(Z-RF) 20190401017001-2001 of ELE-L04m(FCC ID: QISELE-L04M).

5Appendix_E: Band Edges Compliance

Refer to No. SYBH(Z-RF) 20190401017001-2001 of ELE-L04m(FCC ID: QISELE-L04M).

6Appendix_F: Spurious Emission at Antenna Terminal

Refer to No. SYBH(Z-RF) 20190401017001-2001 of ELE-L04m(FCC ID: QISELE-L04M).

7Appendix_G: Field Strength of Spurious Radiation

Note1: For ELE-L29m(FCC ID: QISELE-LX9M) We tested the RSE worst case for part 22/24/27/90. Compared to ELE-L04m(FCC ID: QISELE-L04M), all deviations is within the 3dB range and all test results are under FCC Technical Limits.

Note2: For Wireless charging protective case we tested the RSE of the worst case for part 22/24/27/90

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

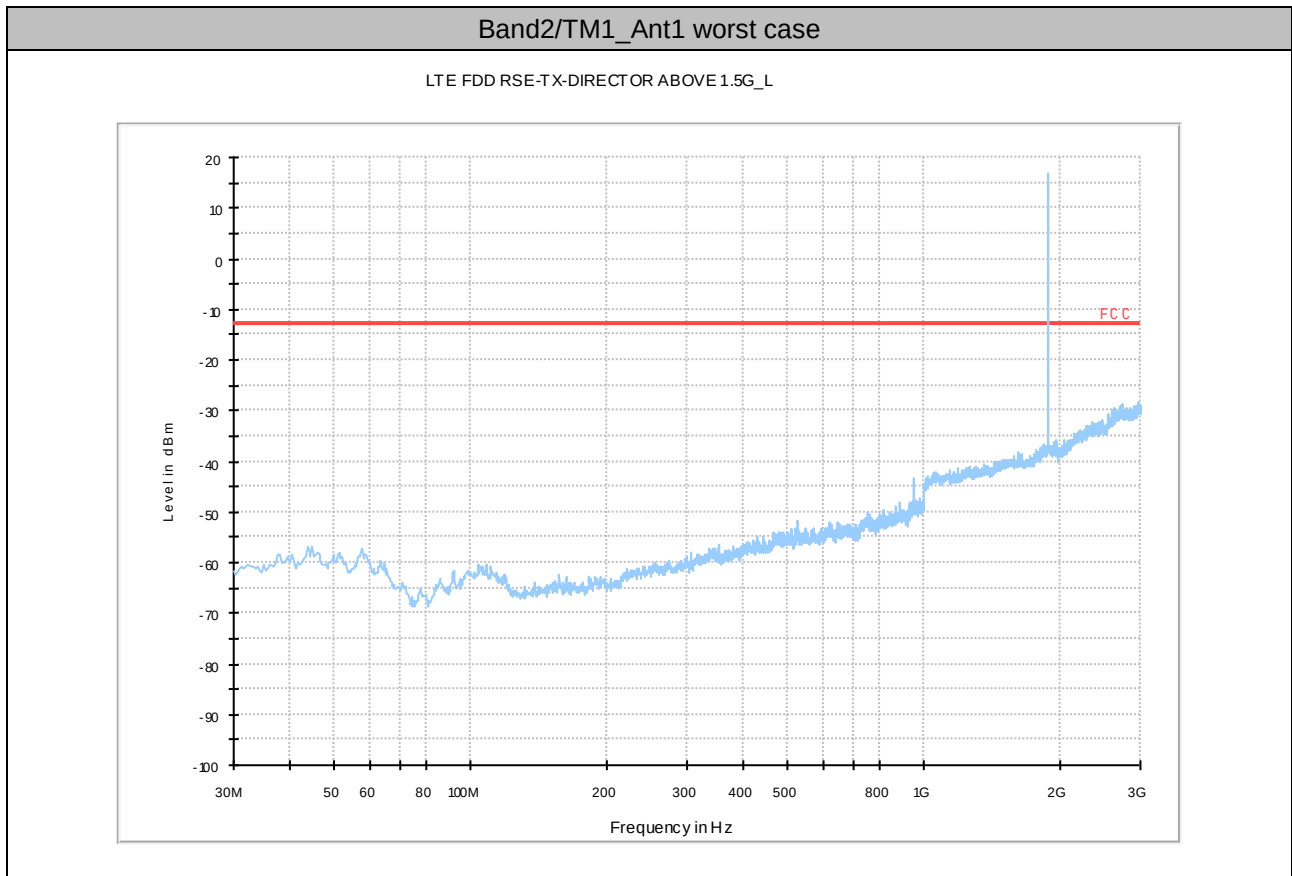
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

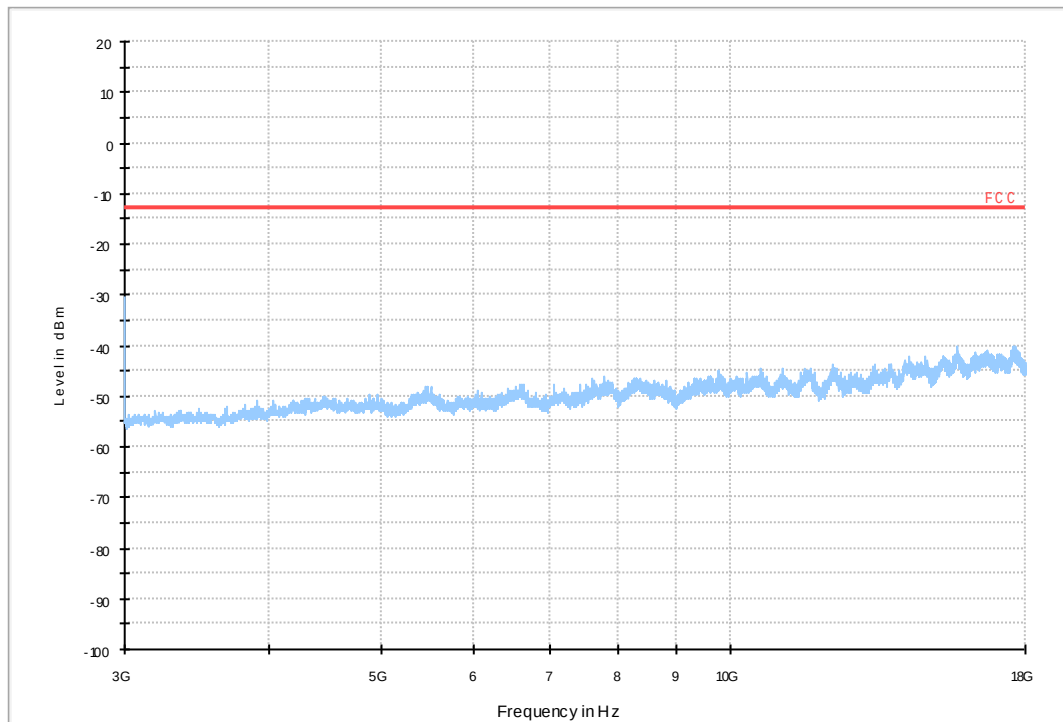
7.1 Without Wireless charging protective case

7.1.1 Test Band = Band2

7.1.1.1 Test Bandwidth = 5

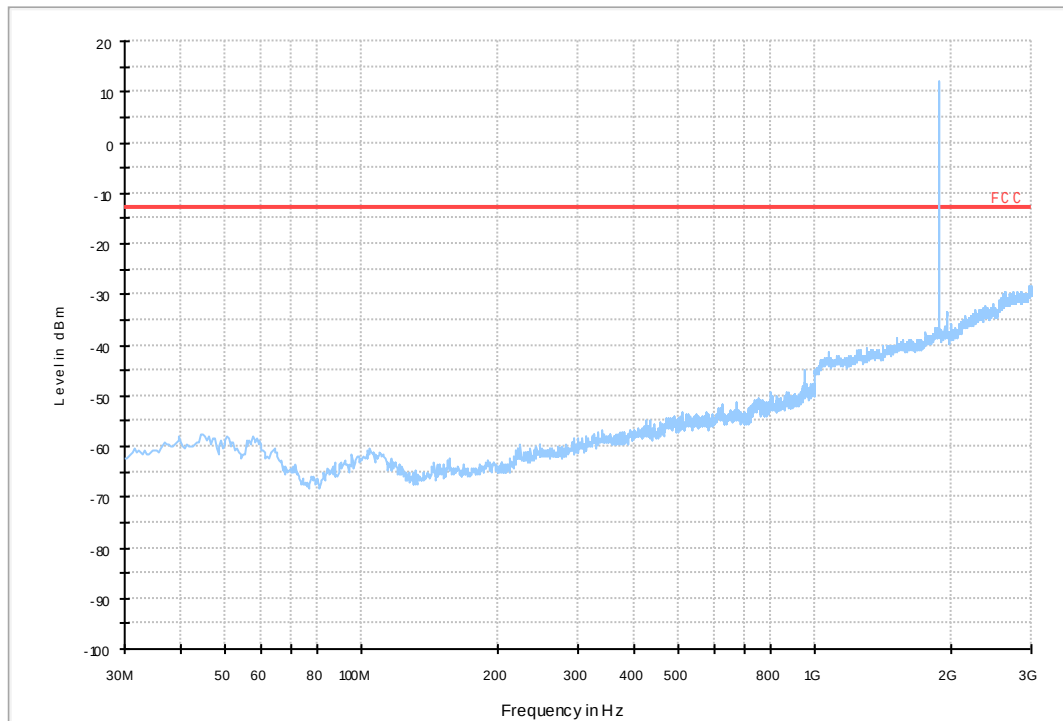


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

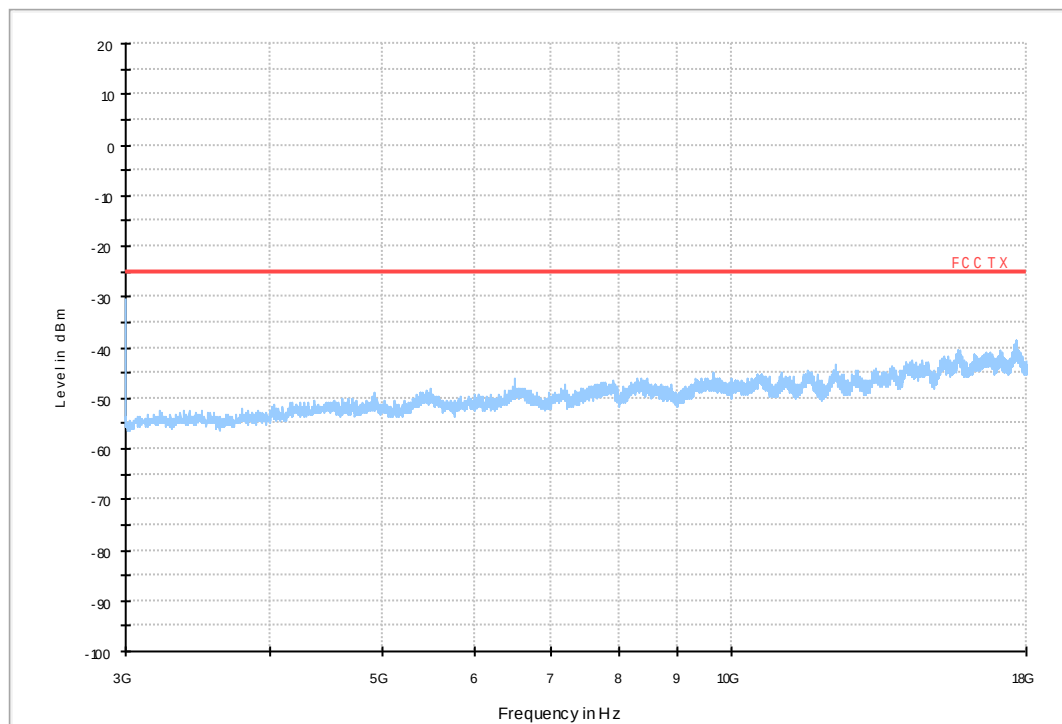


Band2/TM1_Ant2 worst case

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit

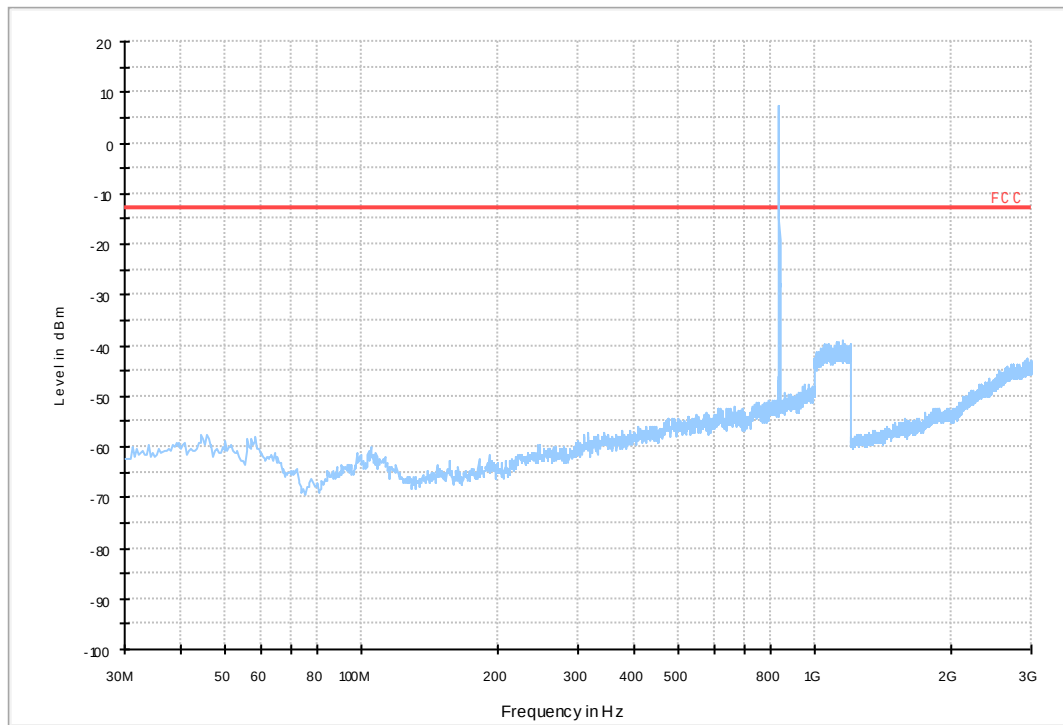


7.1.2 Test Band = Band5

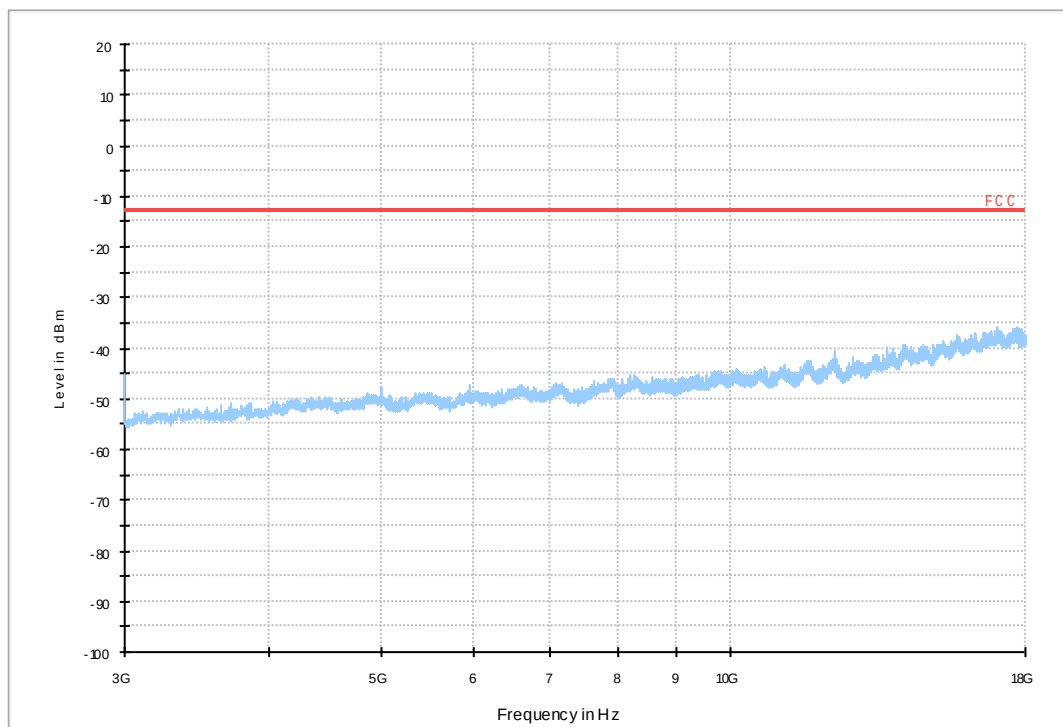
7.1.2.1 Test Bandwidth = 1.4

Band5/TM1_Ant1 worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

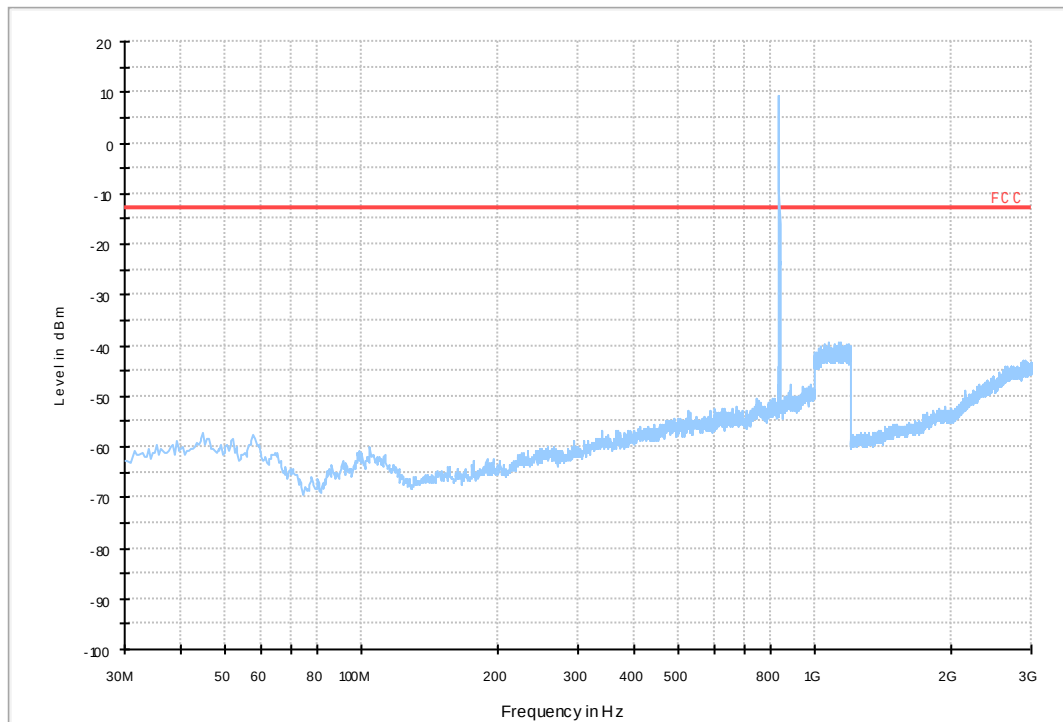


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

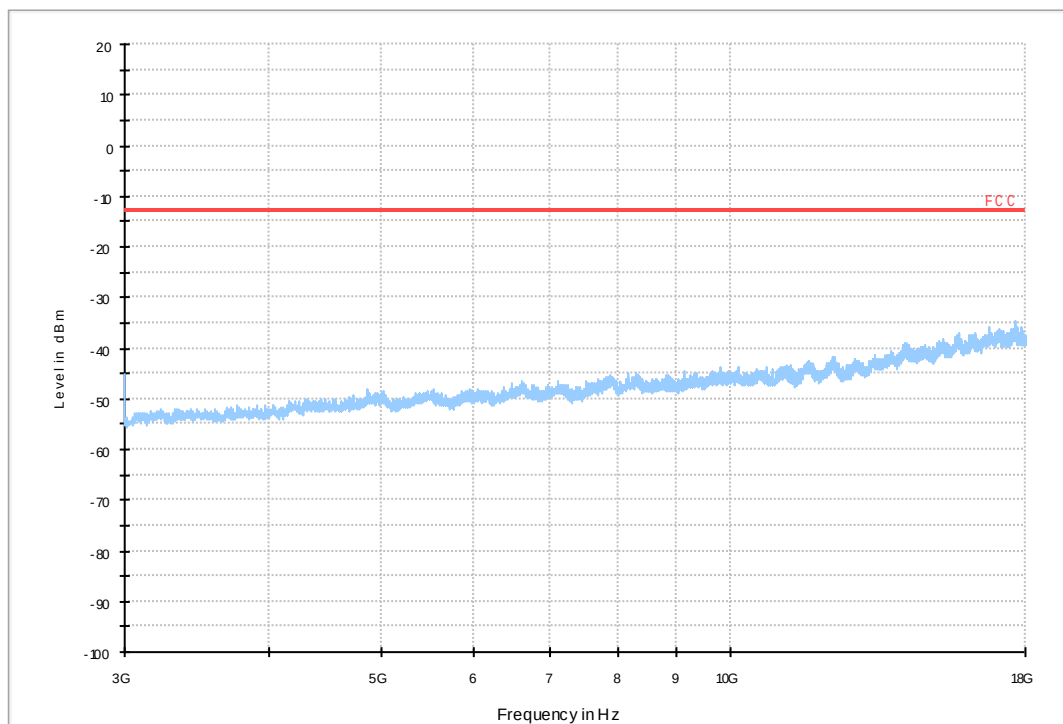


Band5/TM1_Ant2 worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

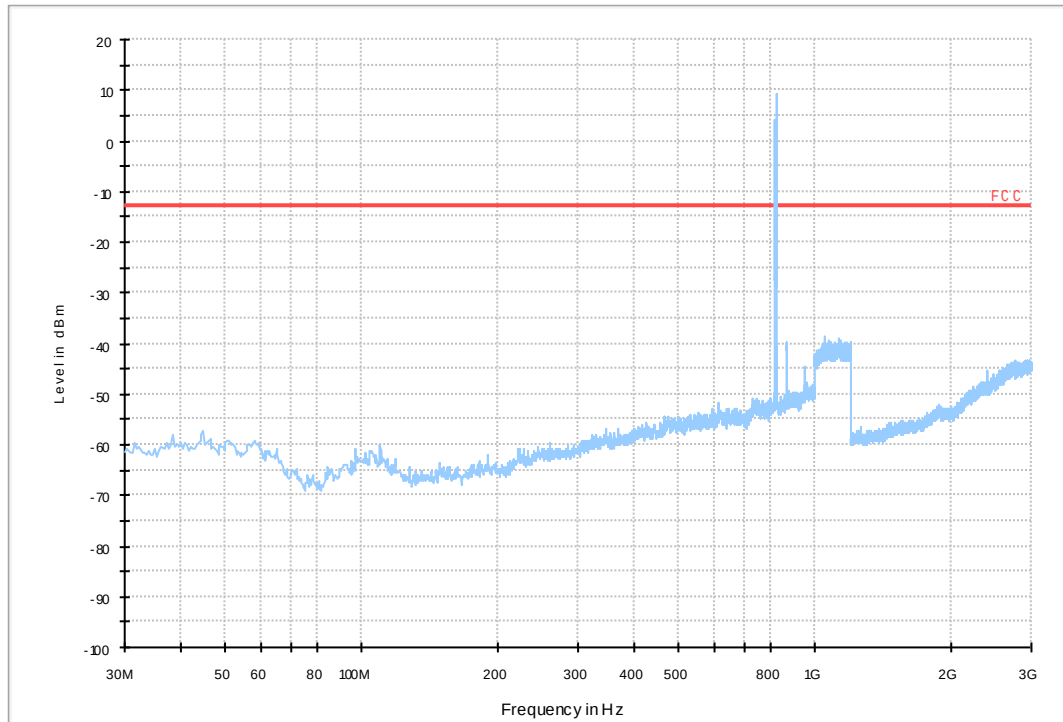


7.1.3 Test Band = Band26(814-824MHz)

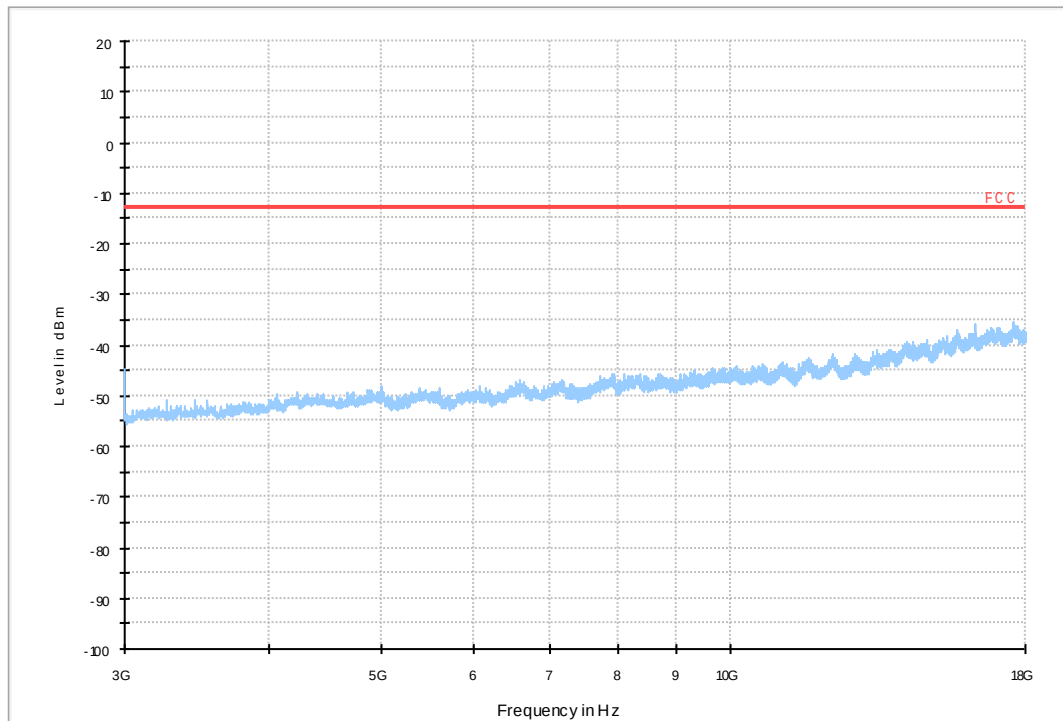
7.1.3.1 Test Bandwidth = 1.4

Band26/TM1_Ant1 worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

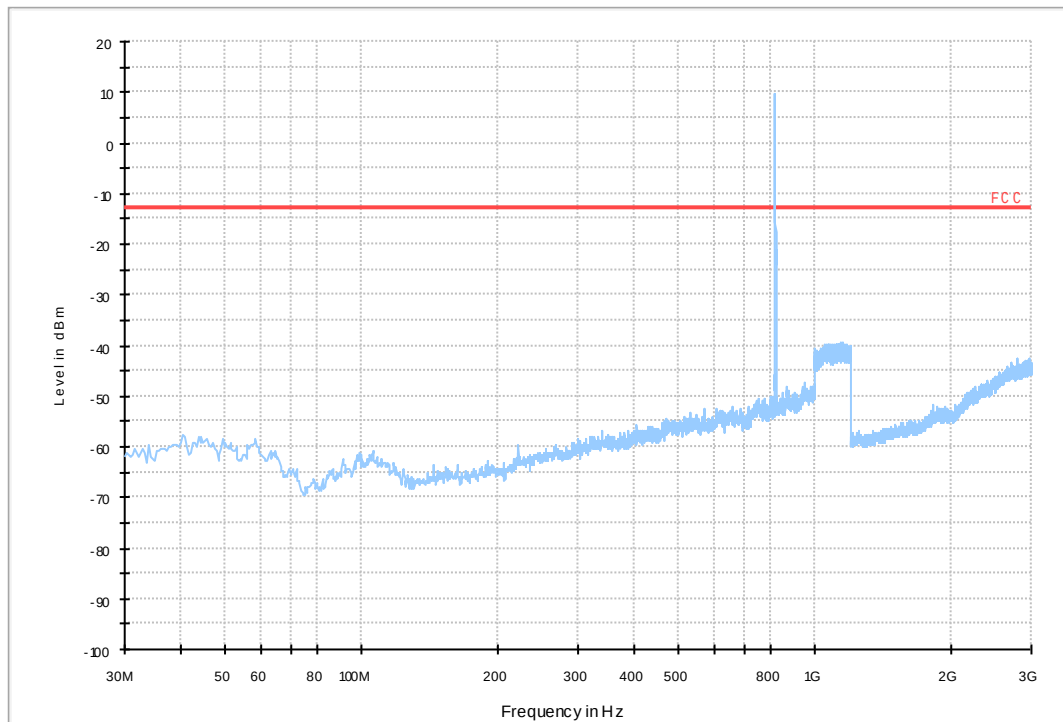


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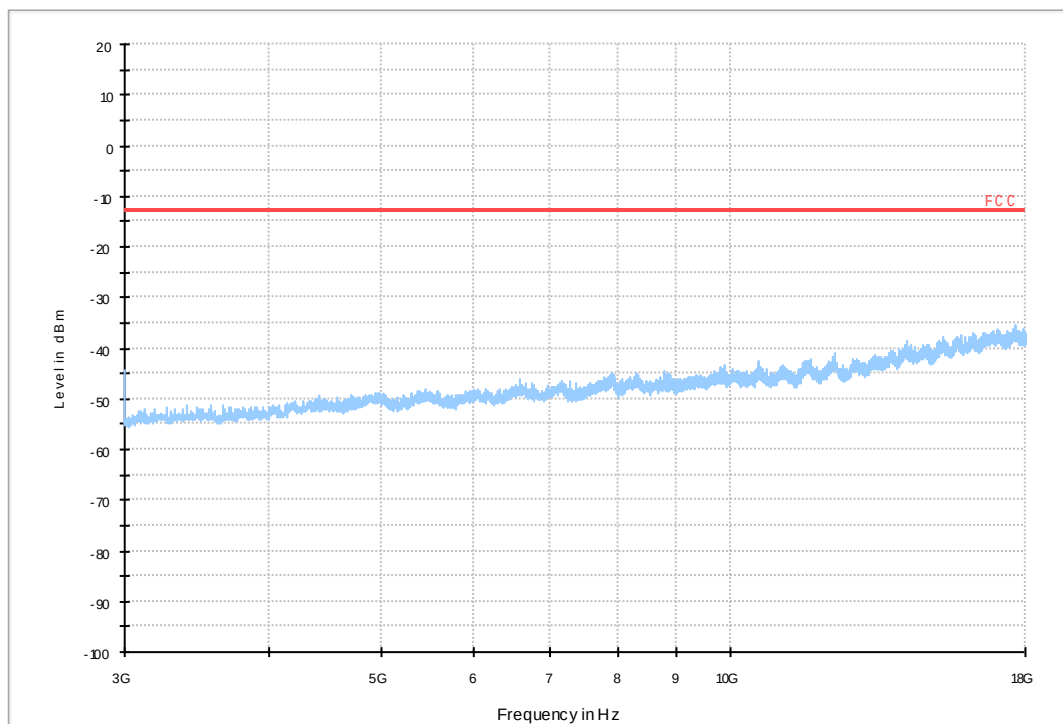


Band26/TM1_Ant2 worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

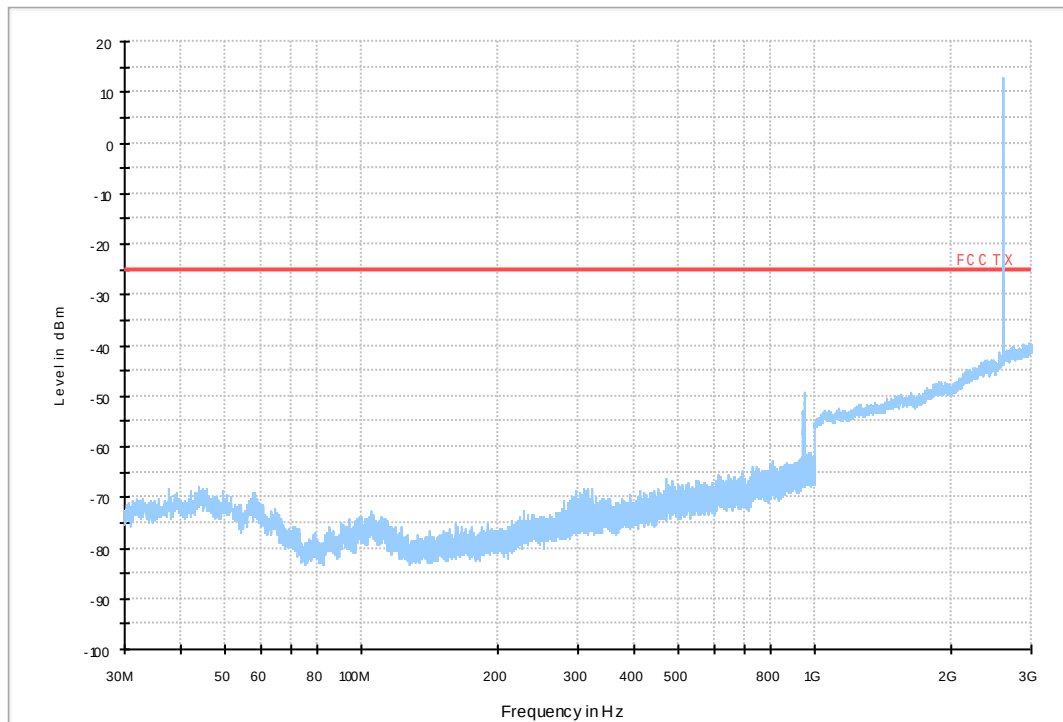


7.1.4 Test Band = Band38

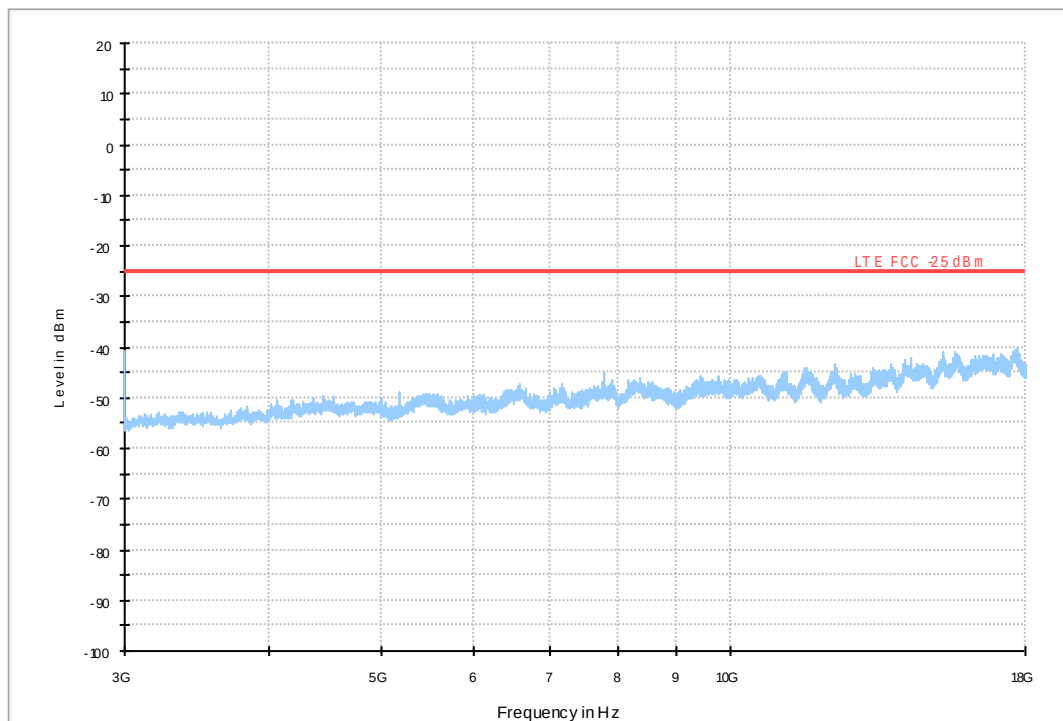
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Band38/TM1_Ant1 worst case

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit

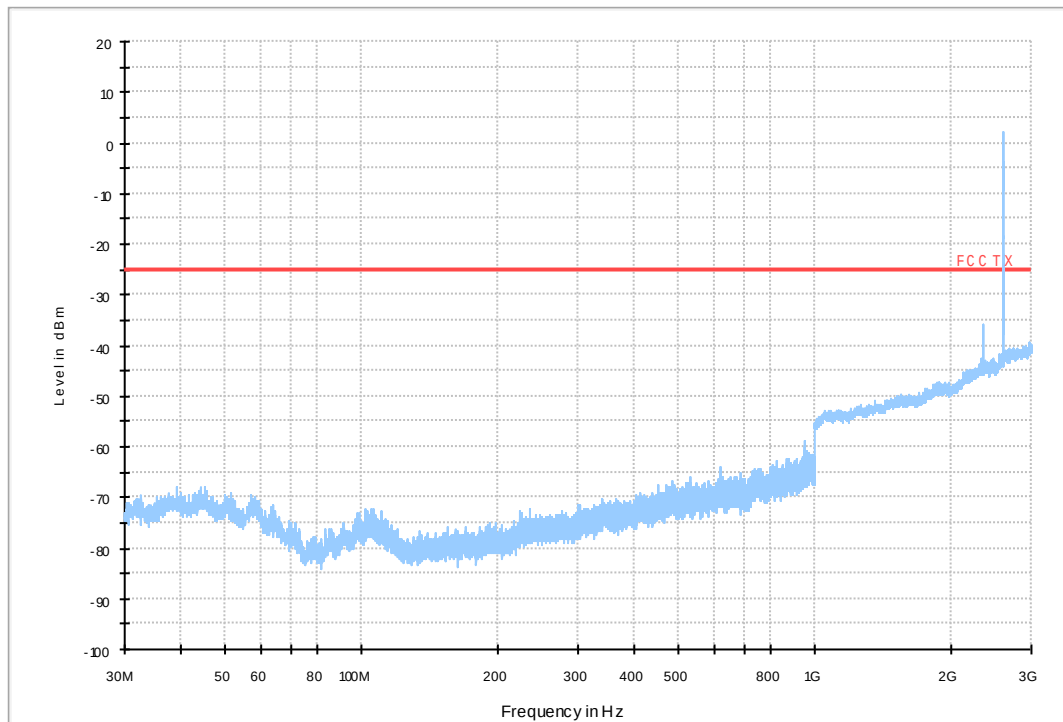


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit

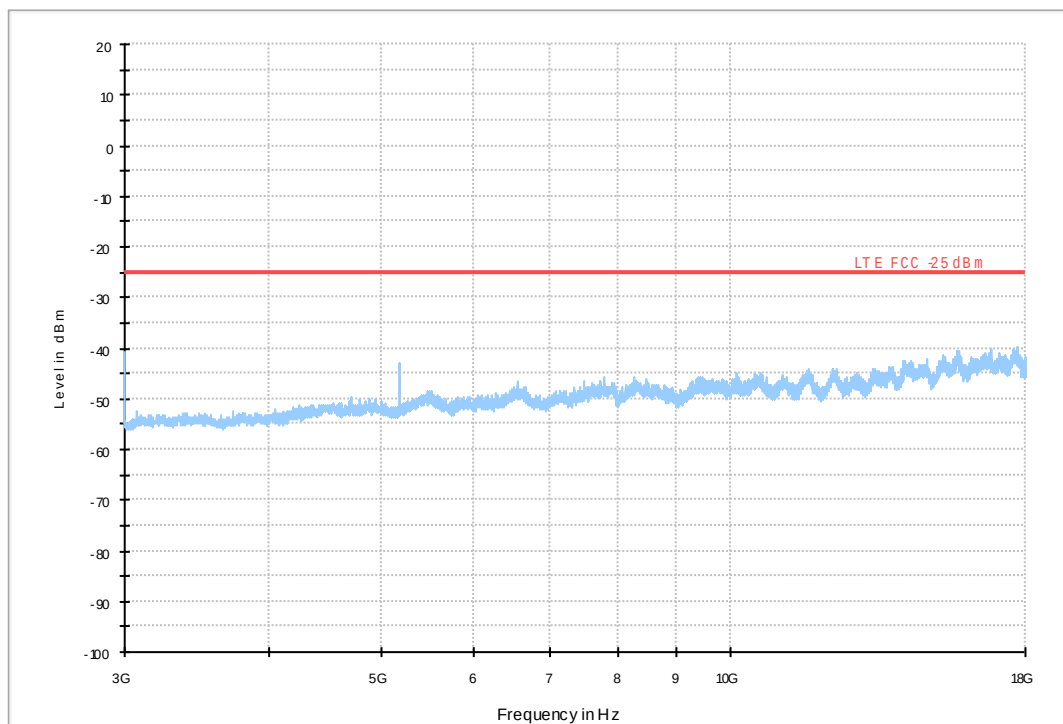


Band38/TM1_Ant2 worst case

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit



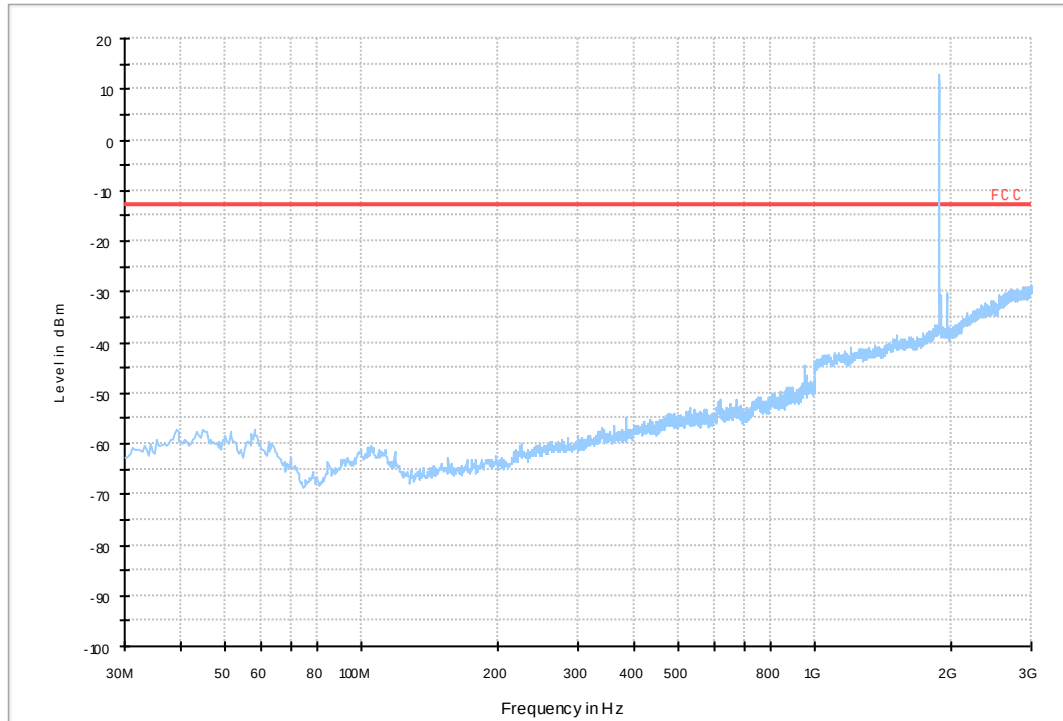
7.2 With Wireless charging protective case

7.1.2 Test Band = Band2

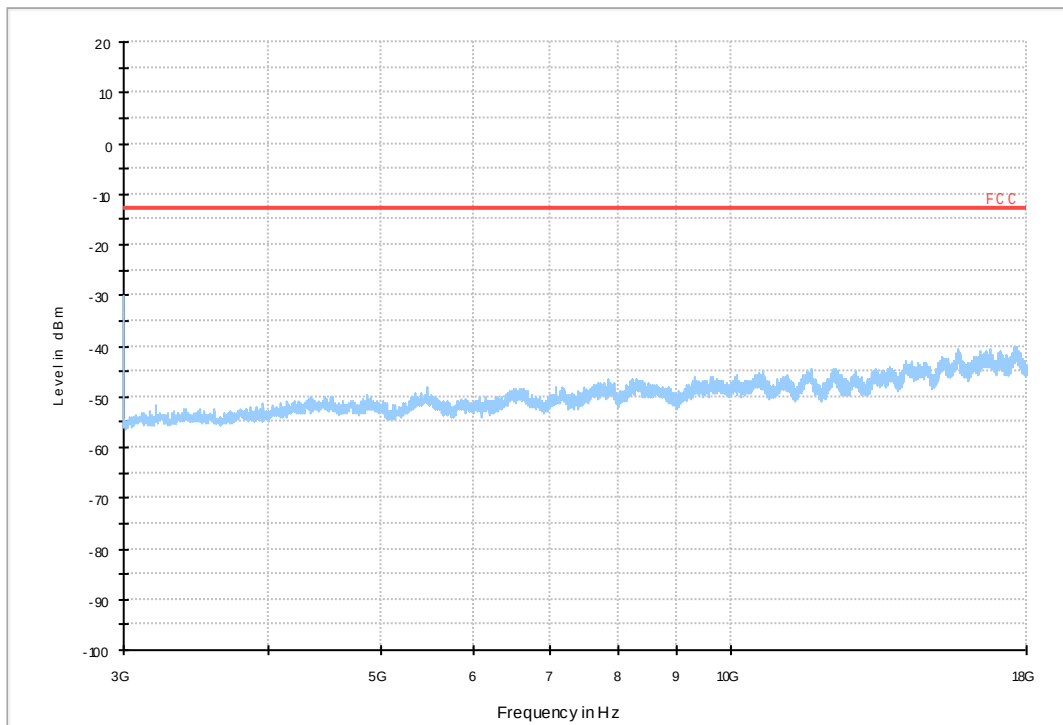
7.1.2.1 Test Bandwidth = 5

Band2/TM1_Ant1(adaptor + Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

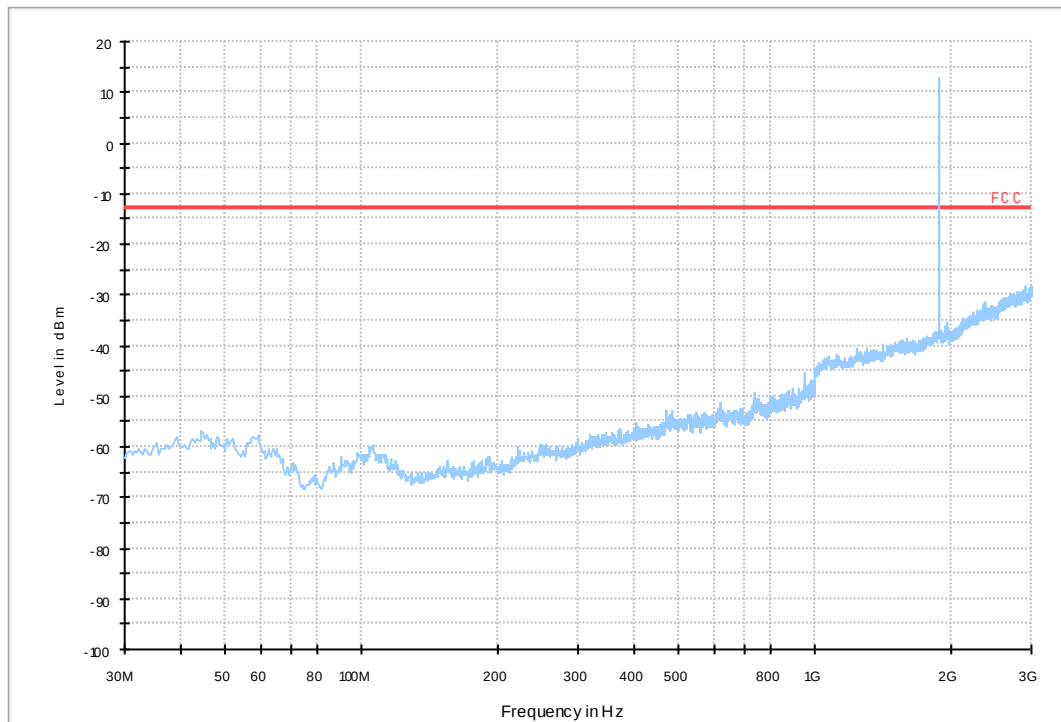


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

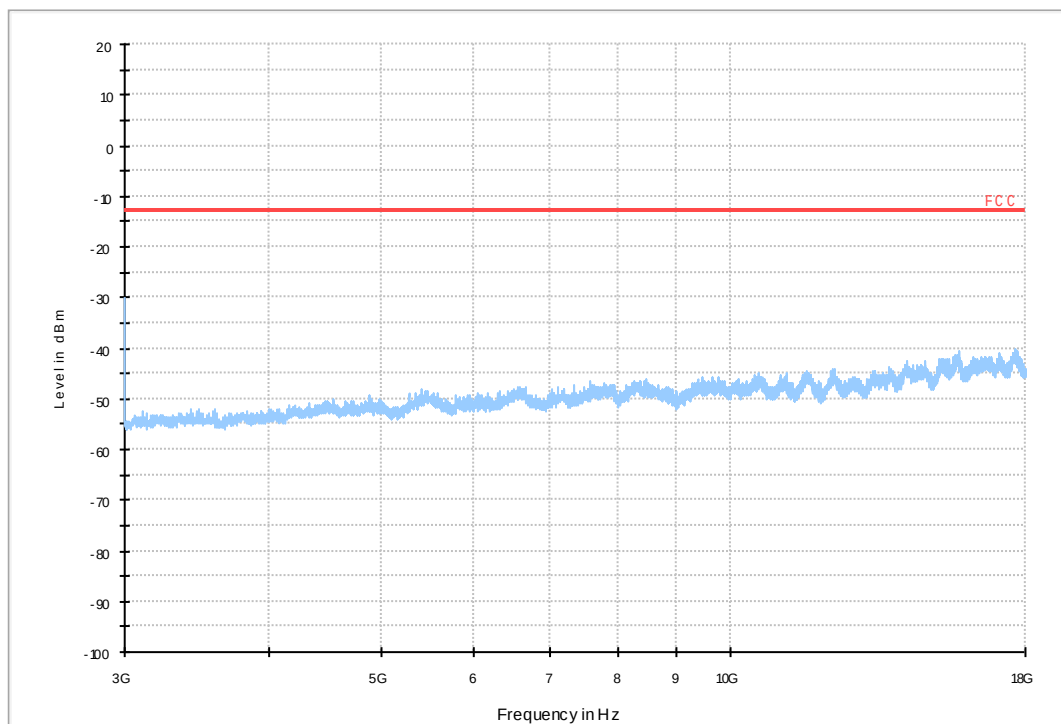


Band2/TM1_Ant2(adaptor + Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

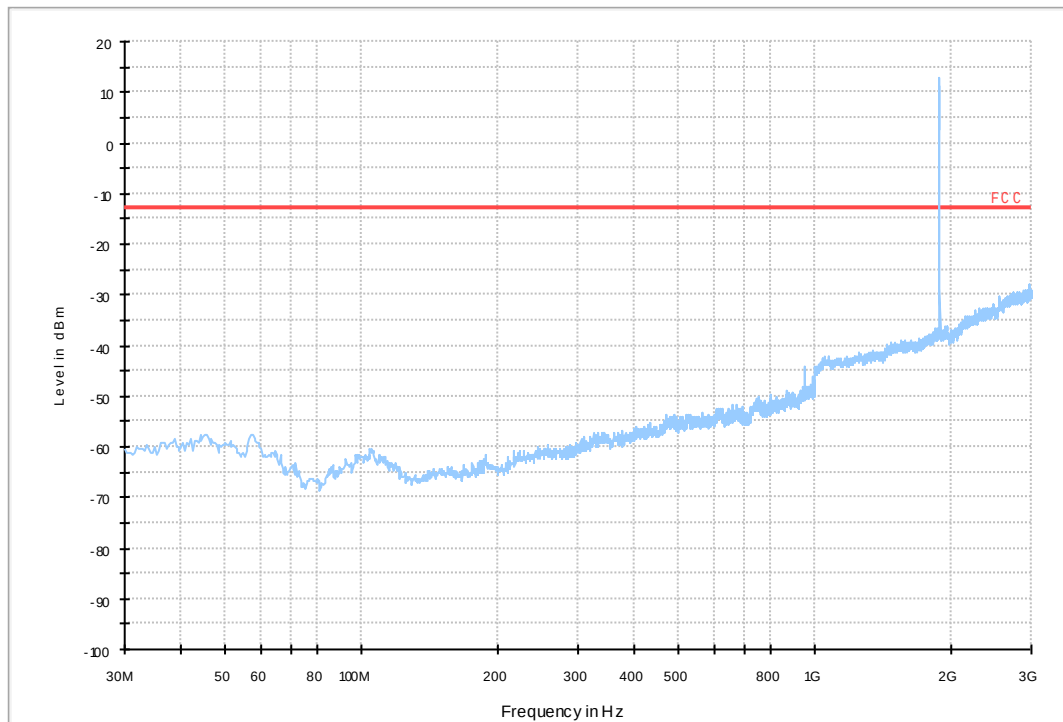


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

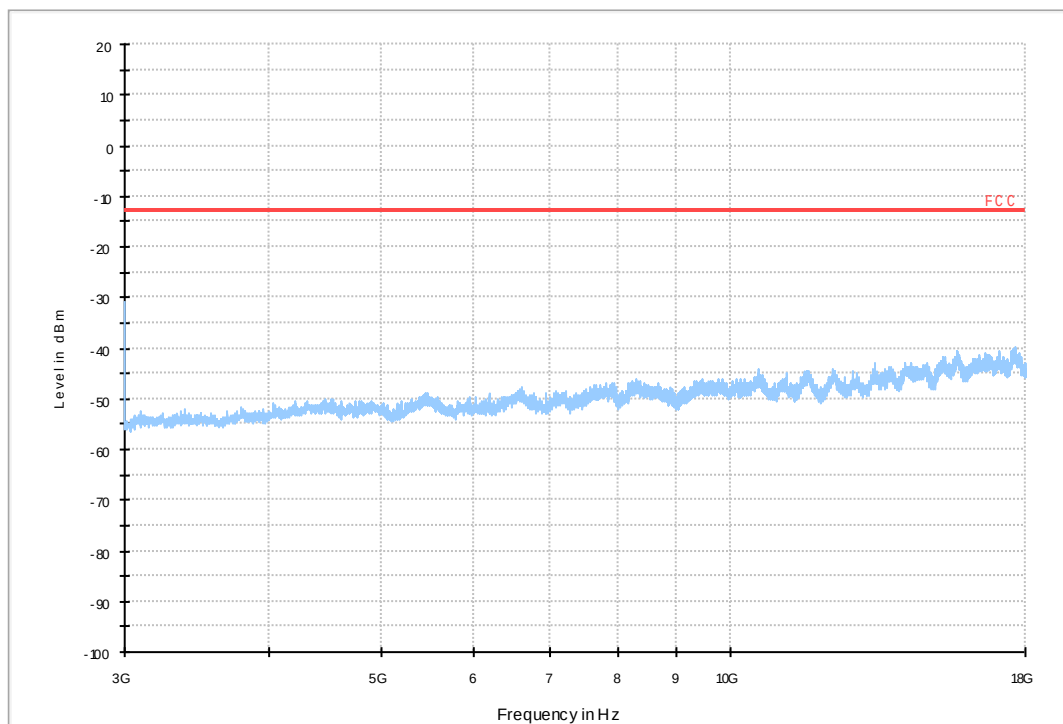


Band2/TM1_Ant1(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

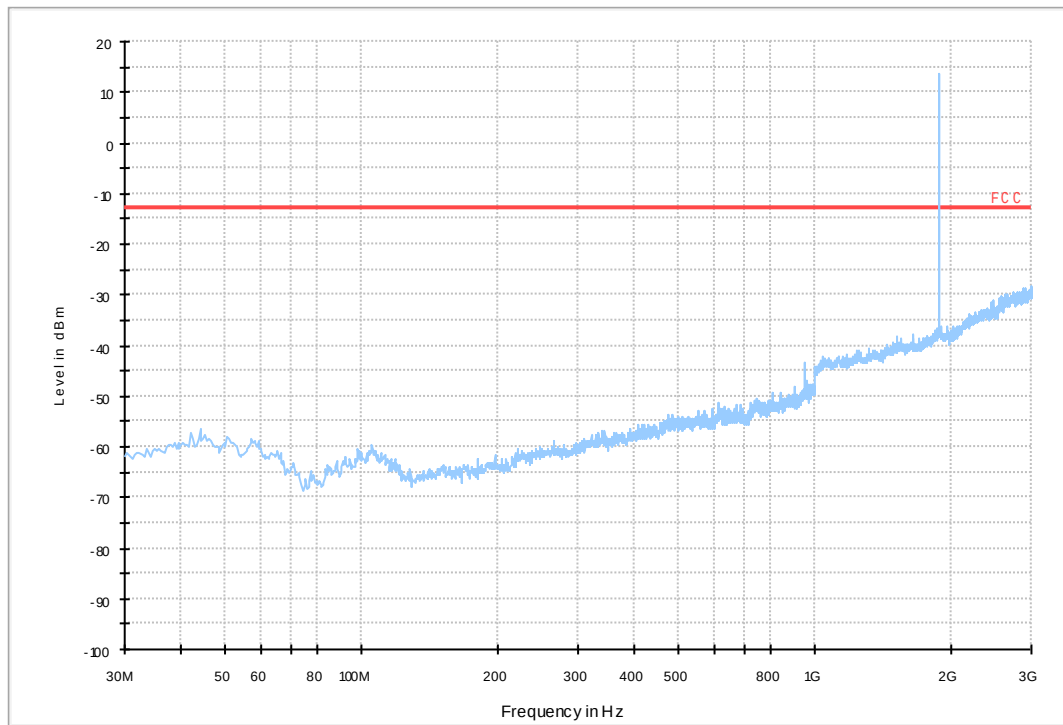


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

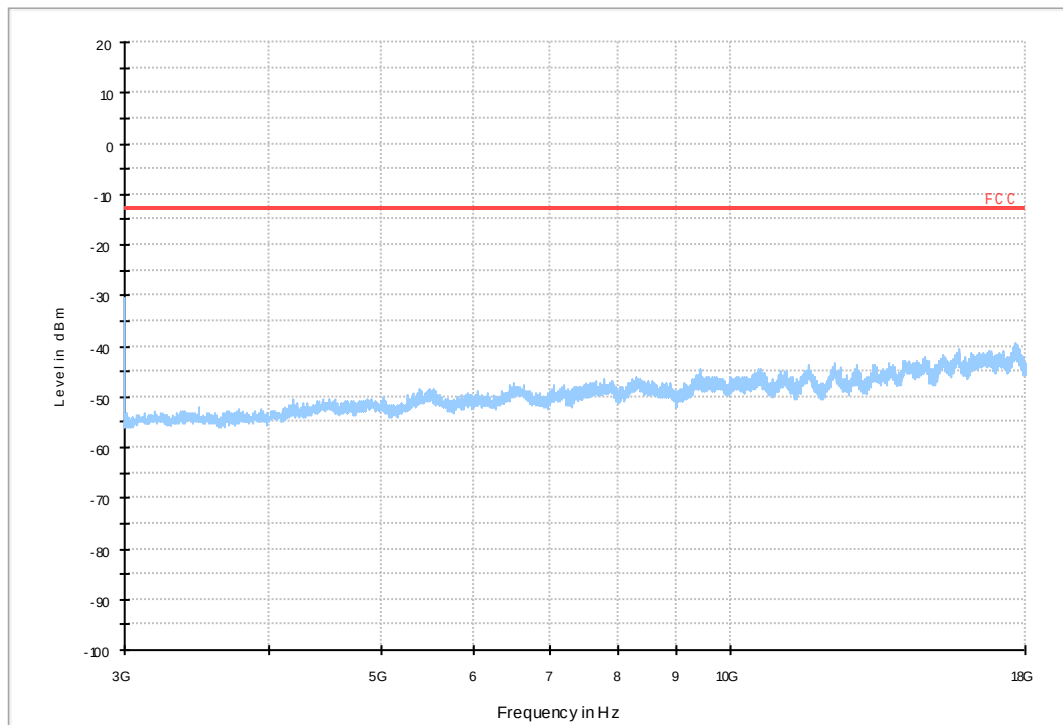


Band2/TM1_Ant2(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

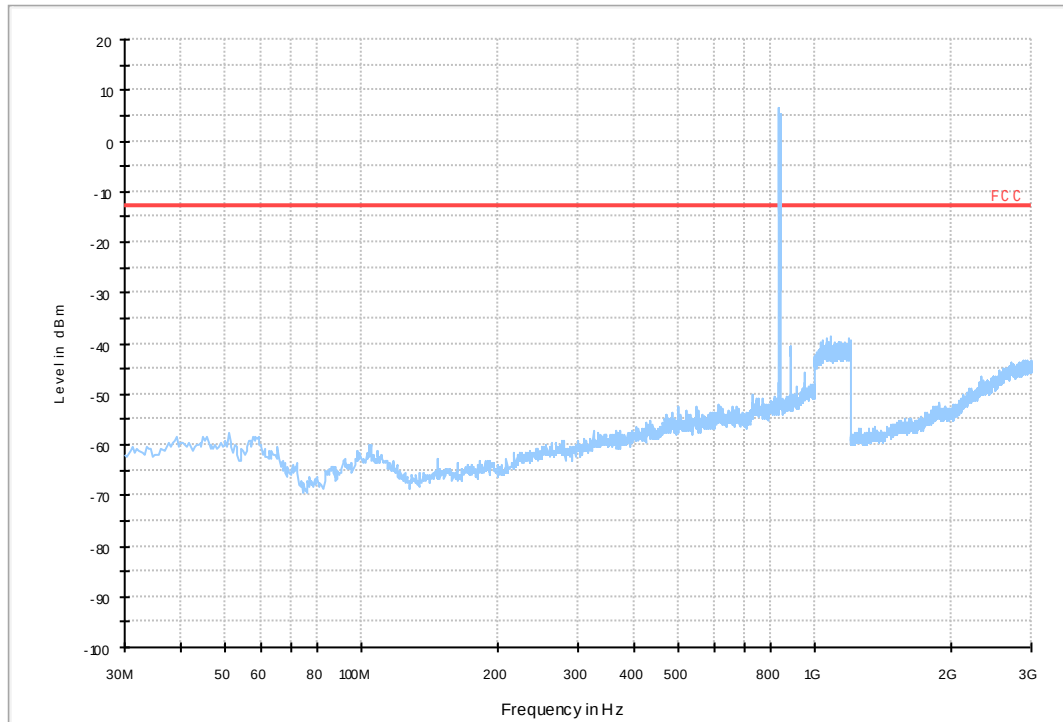


7.2.2 Test Band = Band5

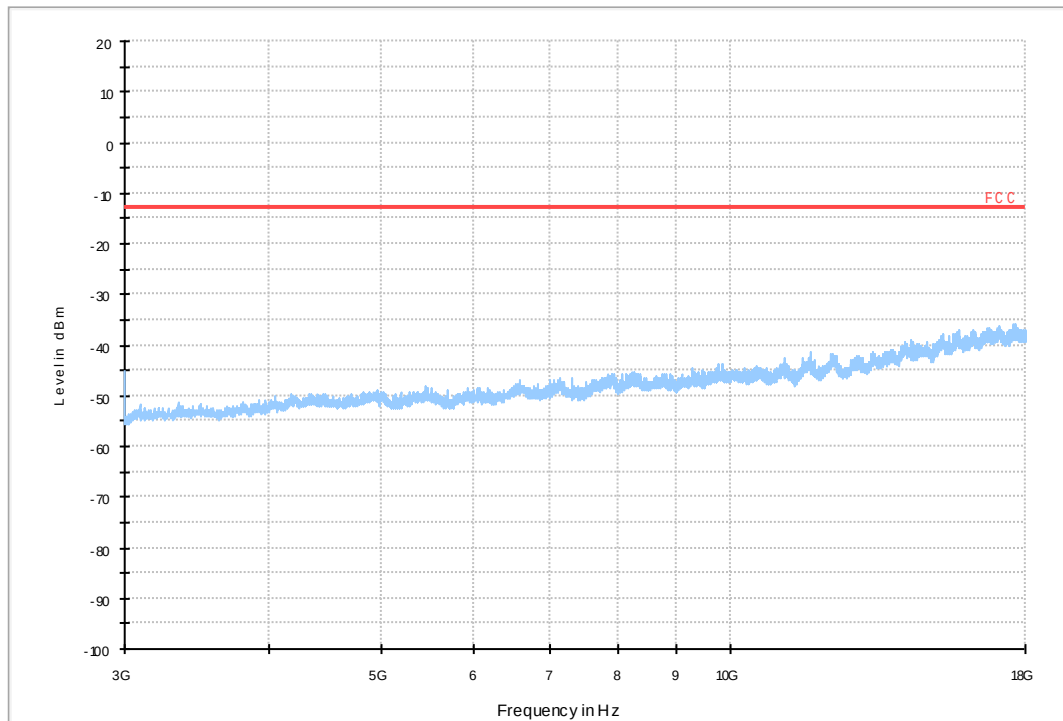
7.2.2.1 Test Bandwidth = 1.4

Band5/TM1_Ant1(adaptor + Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

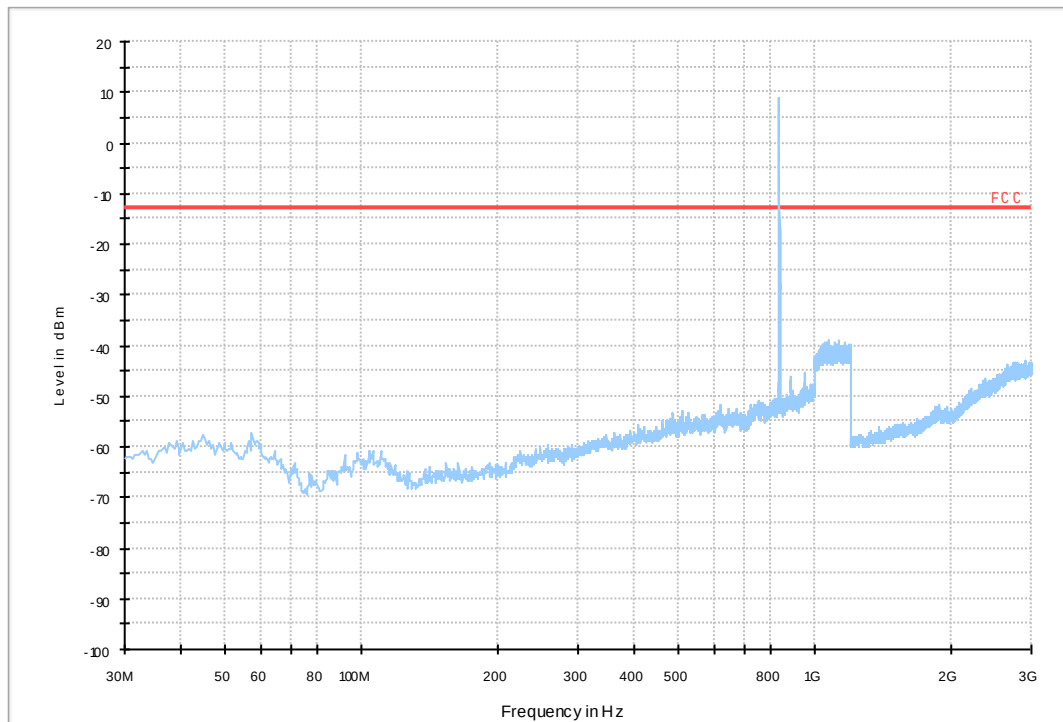


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

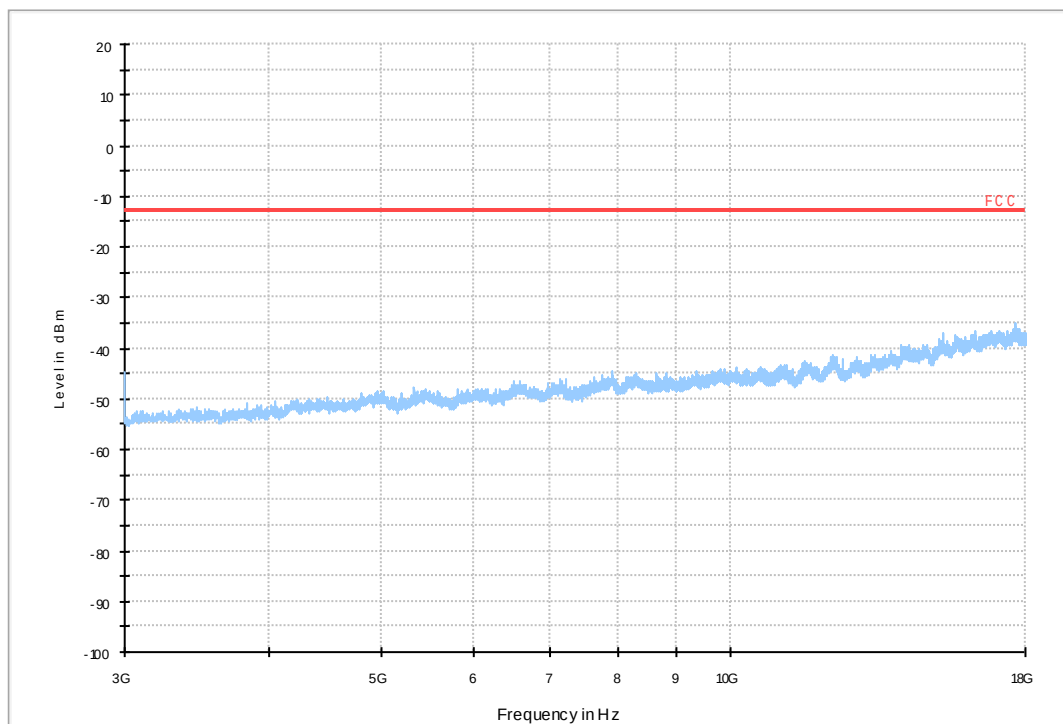


Band5/TM1_Ant2(adaptor + Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

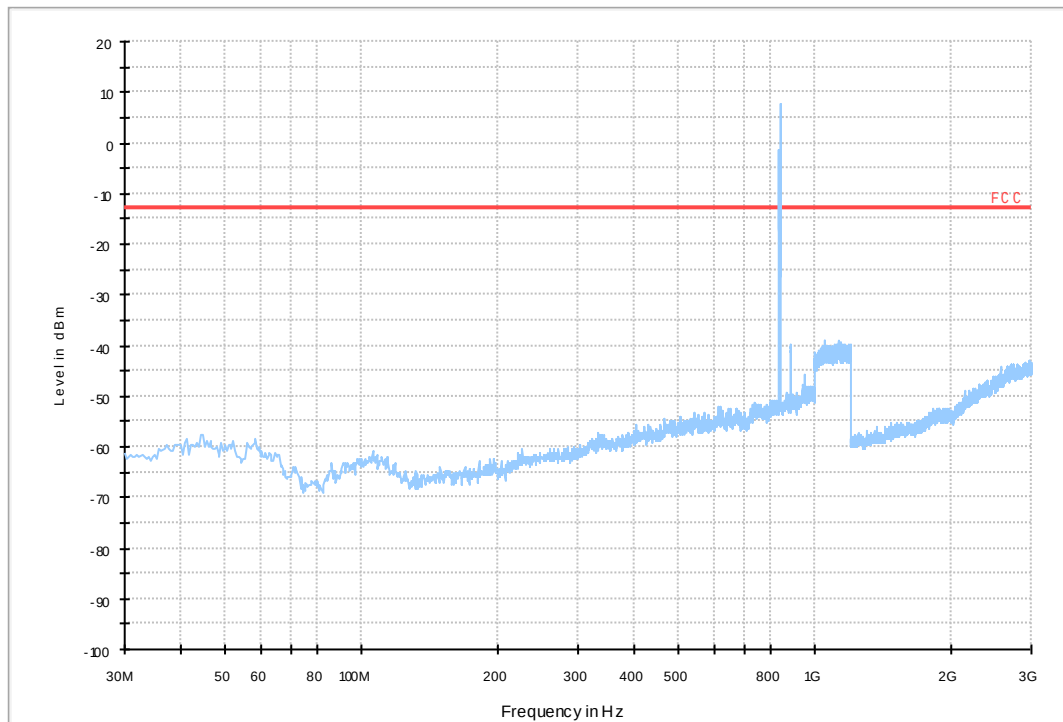


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

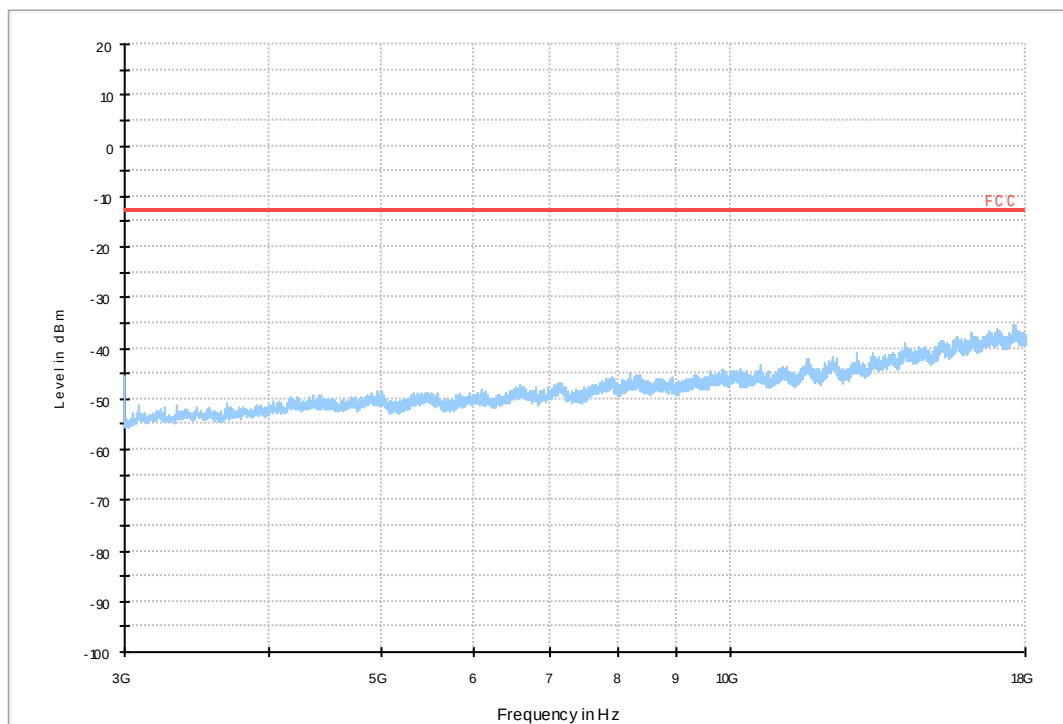


Band5/TM1_Ant1(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

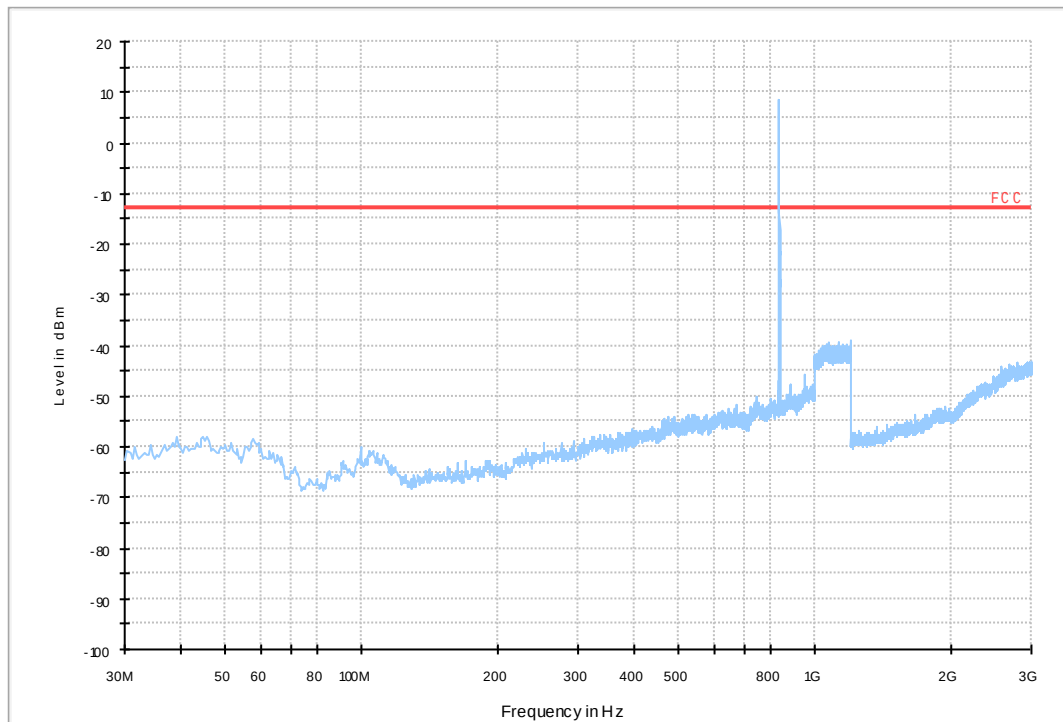


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

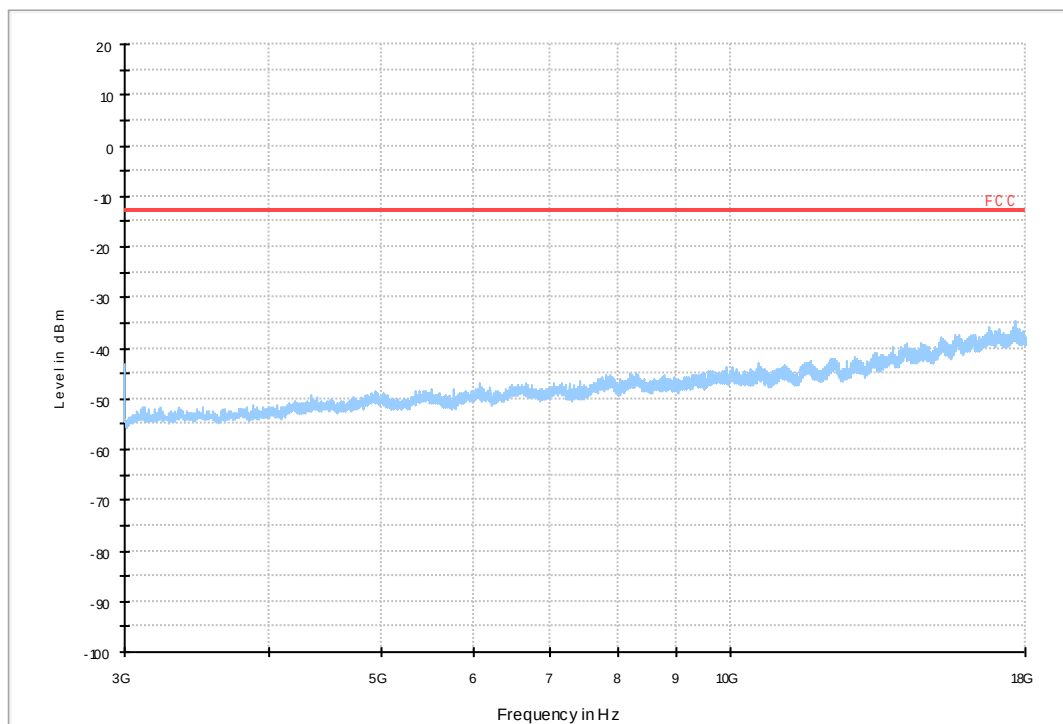


Band5/TM1_Ant2(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

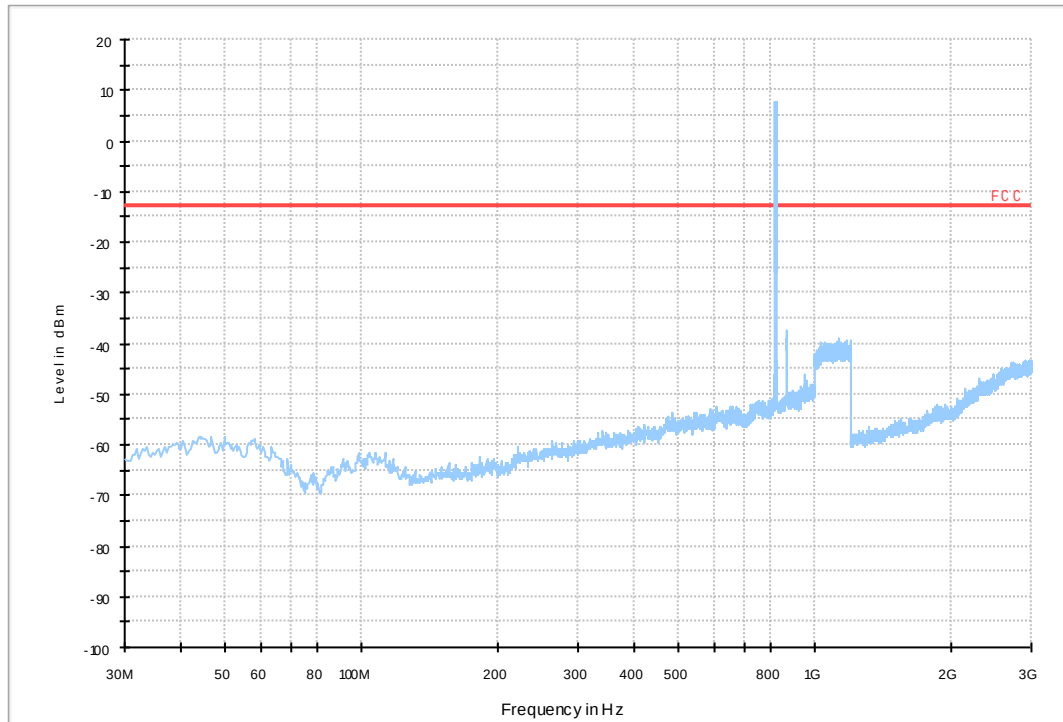


7.2.3 Test Band = Band26(814-824MHz)

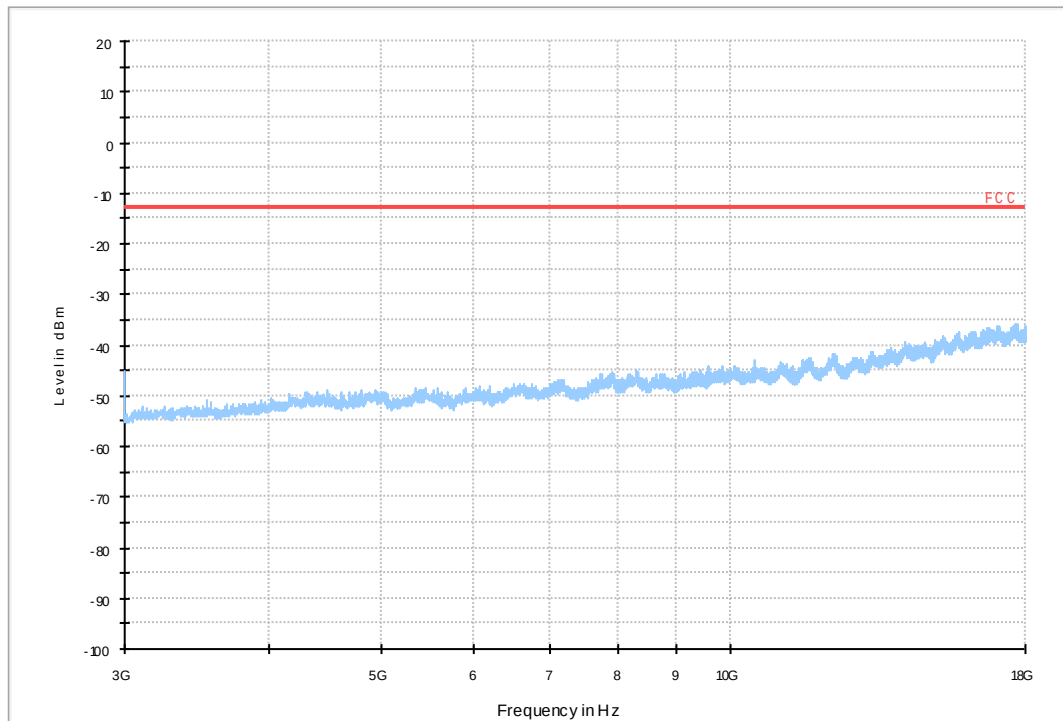
7.2.3.1 Test Bandwidth = 1.4

Band26/TM1_Ant1(adaptor + Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

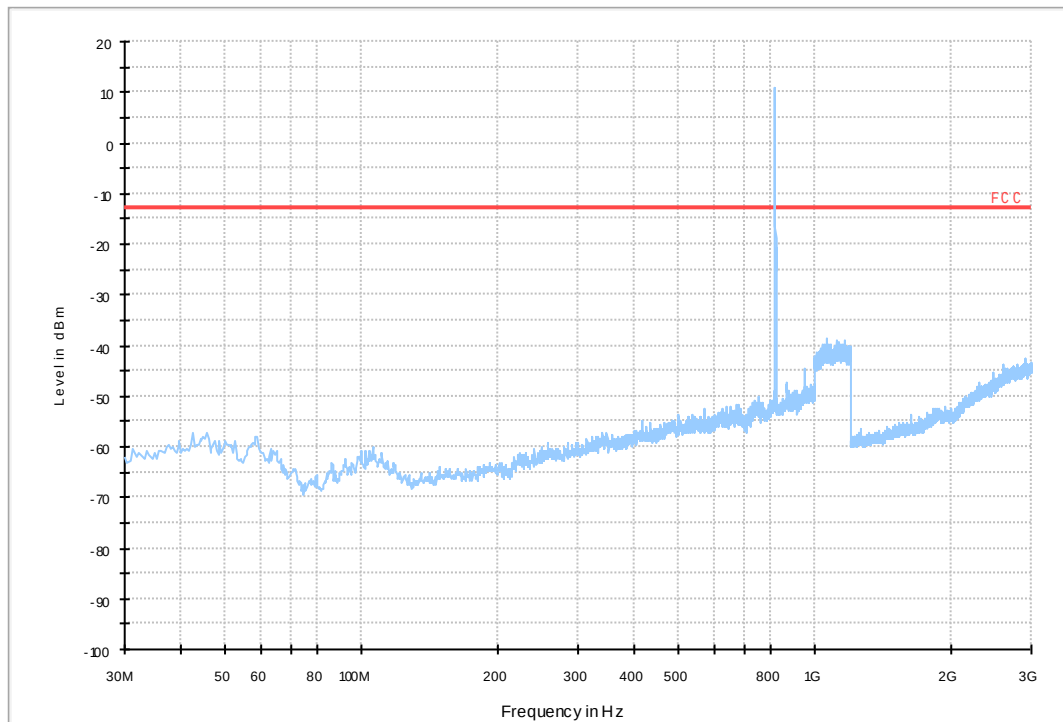


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

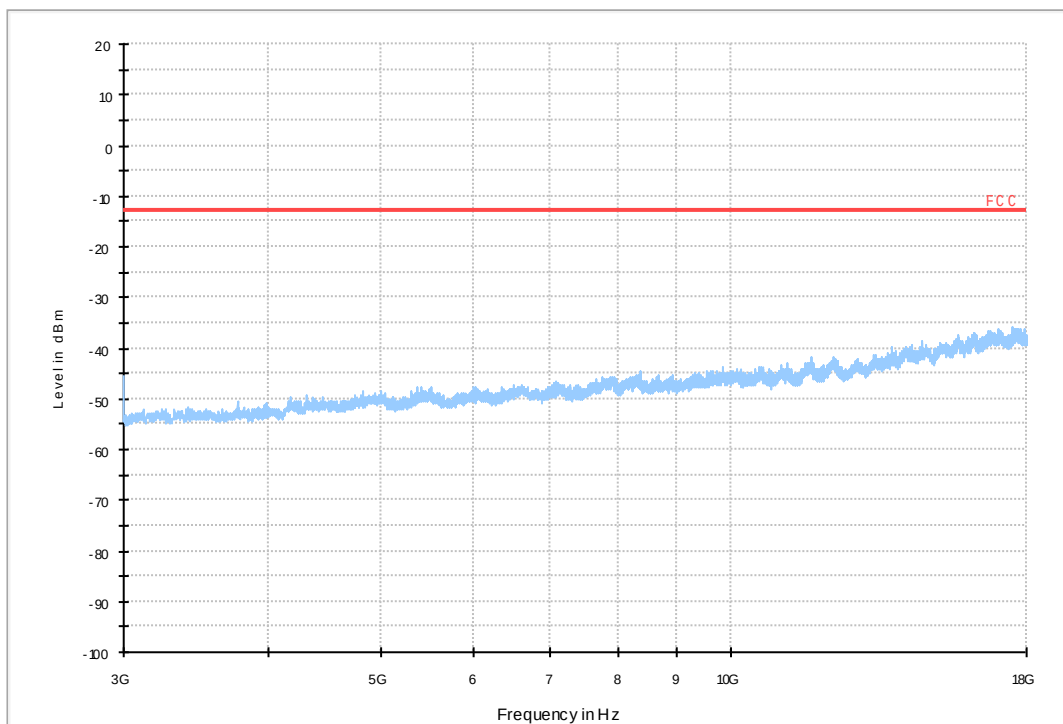


Band26/TM1_Ant2(adaptor + Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

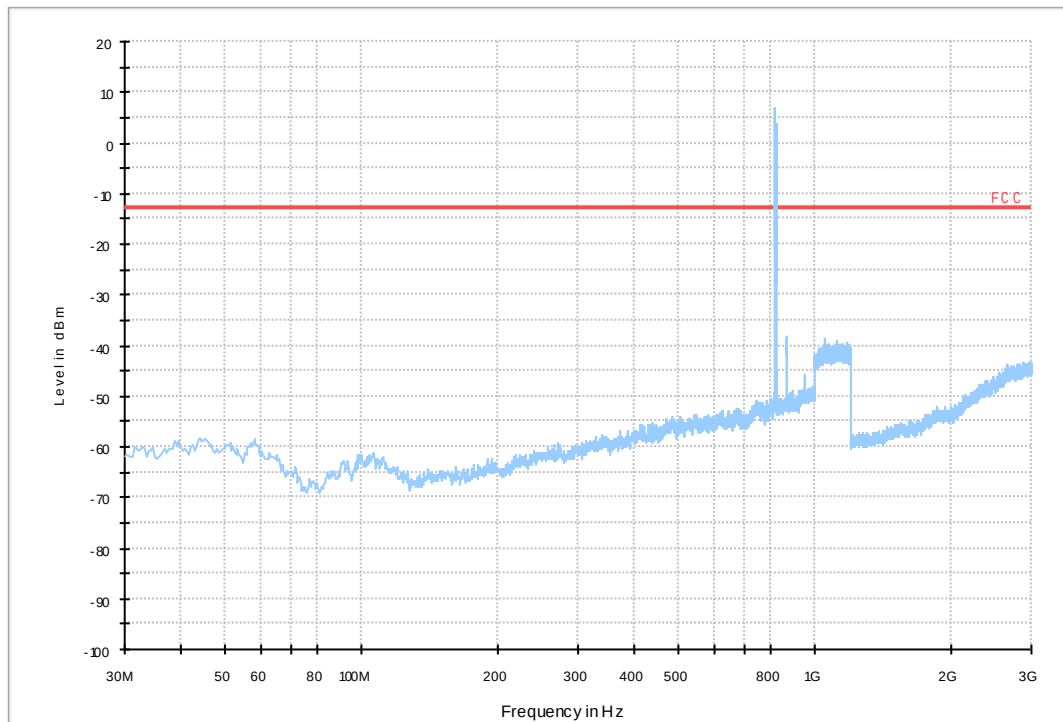


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

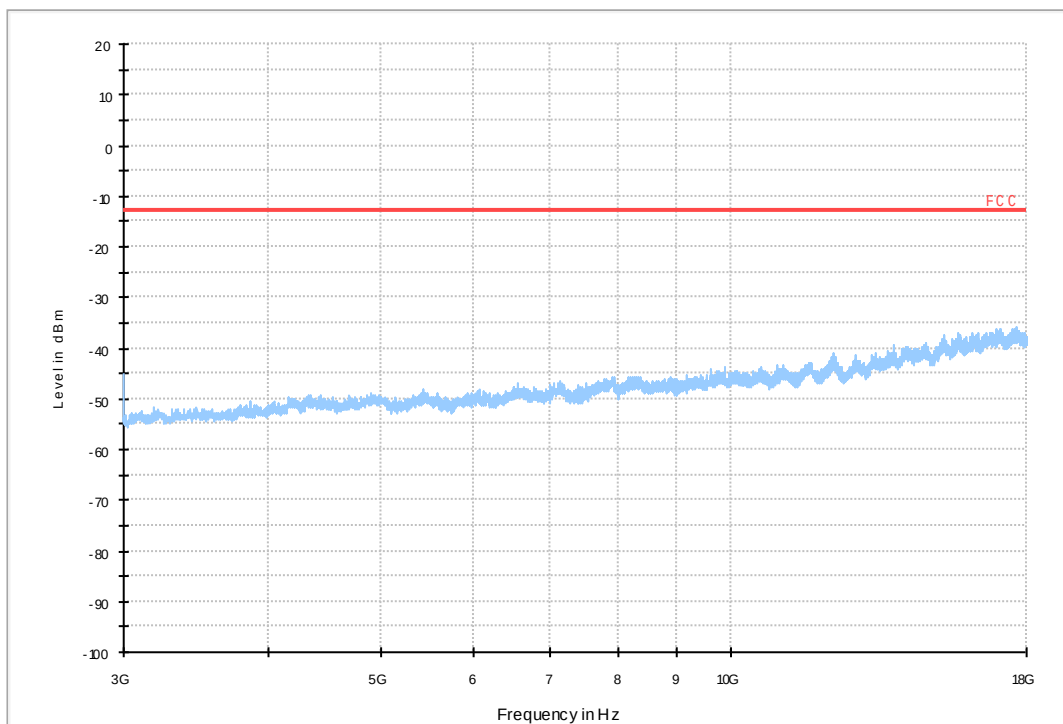


Band26/TM1_Ant1(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

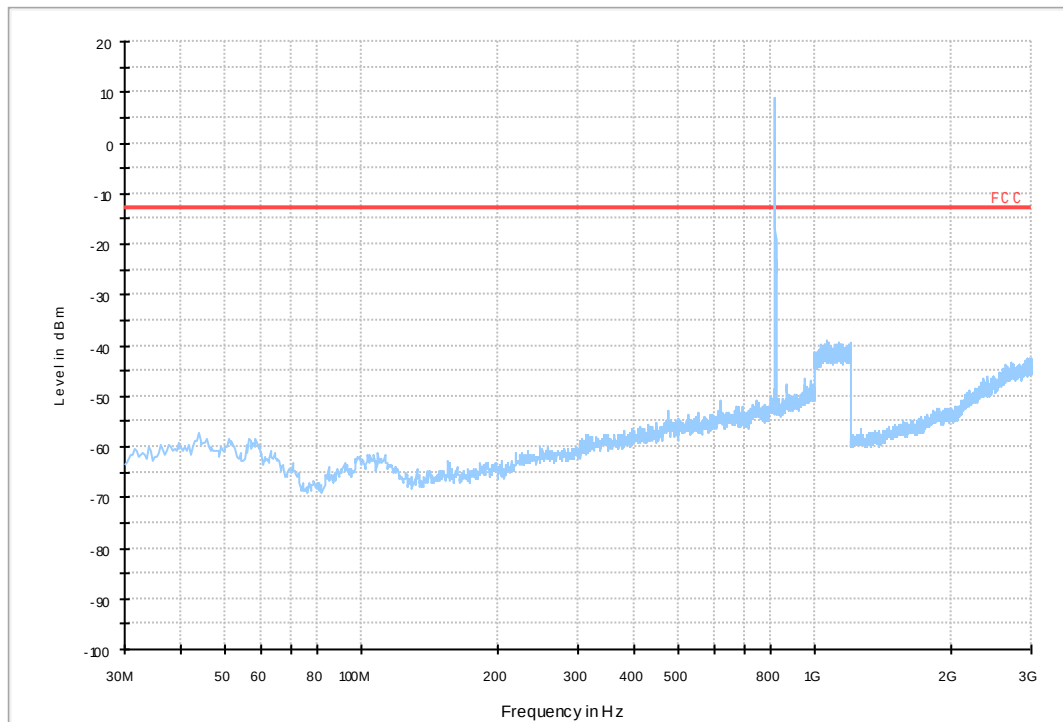


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

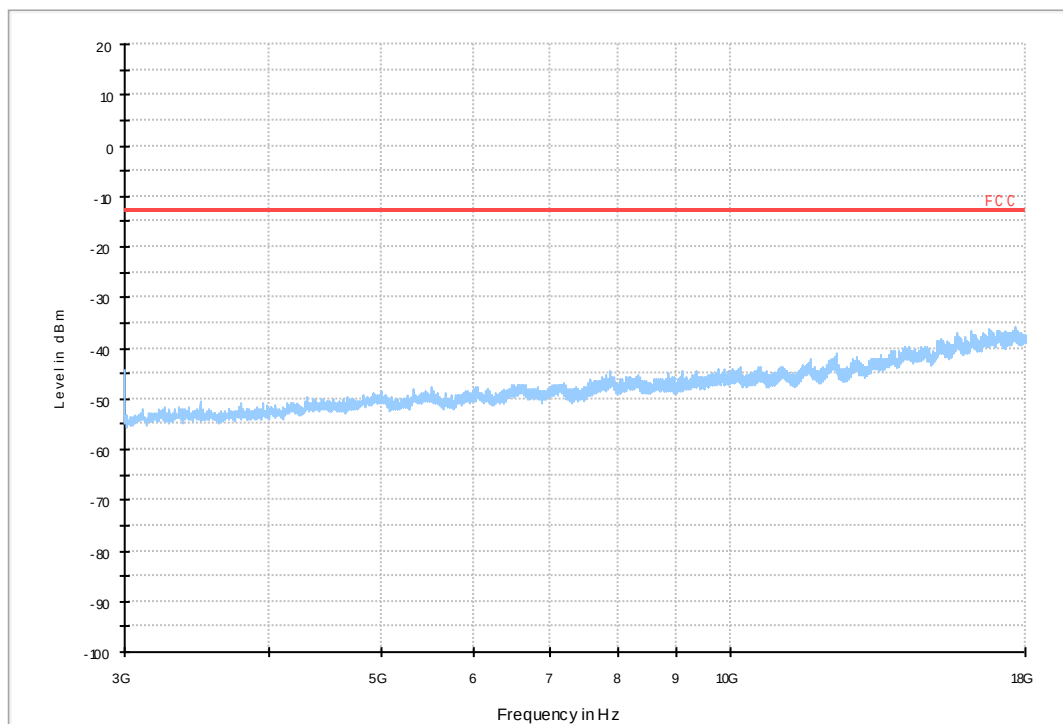


Band26/TM1_Ant2(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

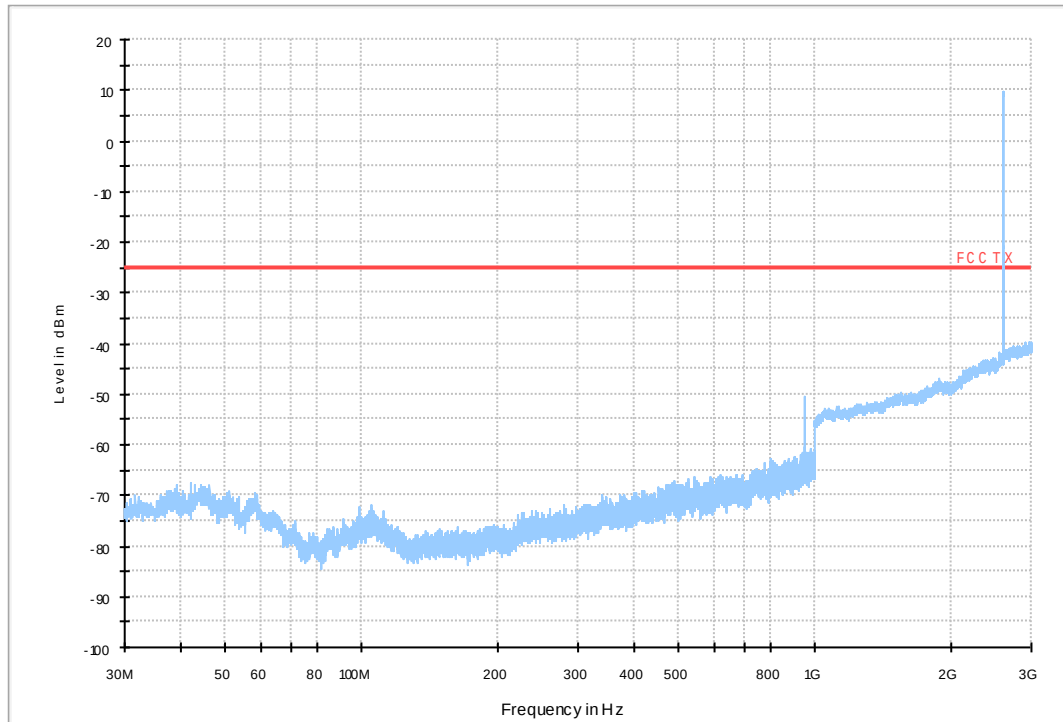


7.2.4 Test Band = Band38

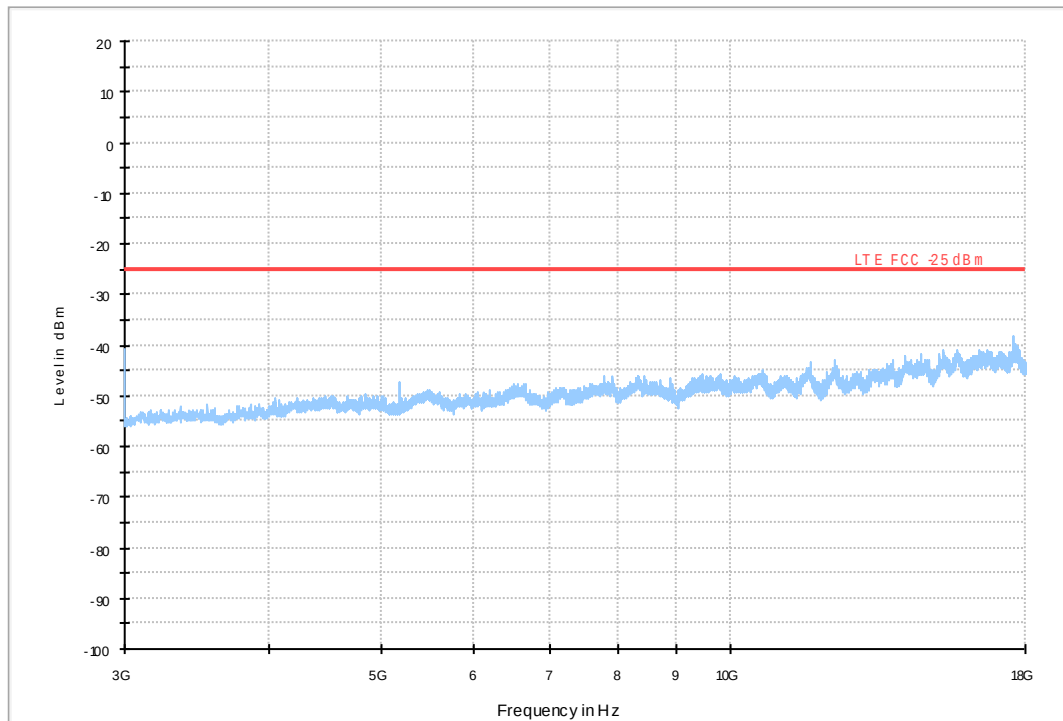
7.2.4.1 Test Bandwidth = 5

Band38/TM1_Ant1(adaptor + Wireless Charging Case) worst case

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit

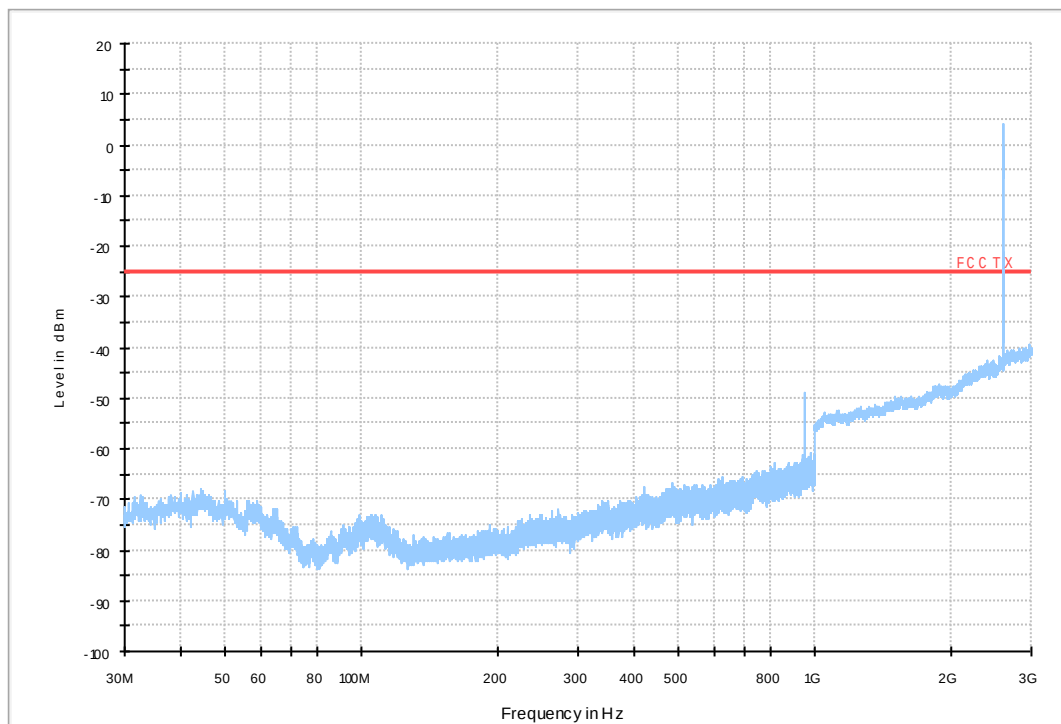


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit

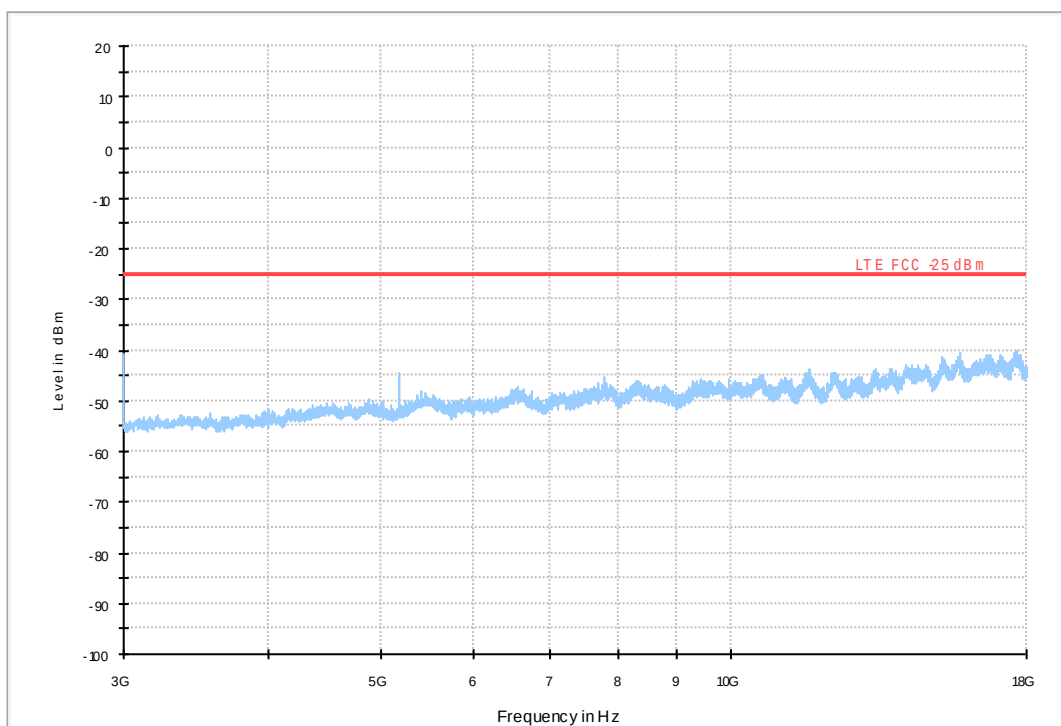


Band38/TM1_Ant2(adaptor + Wireless Charging Case) worst case

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit

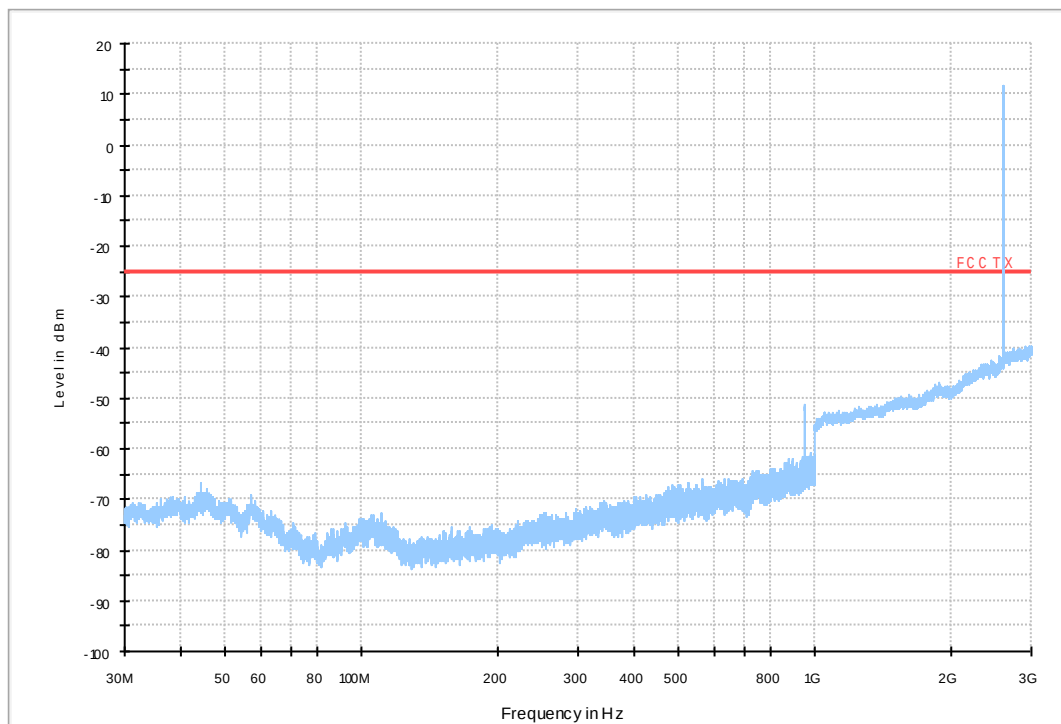


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit

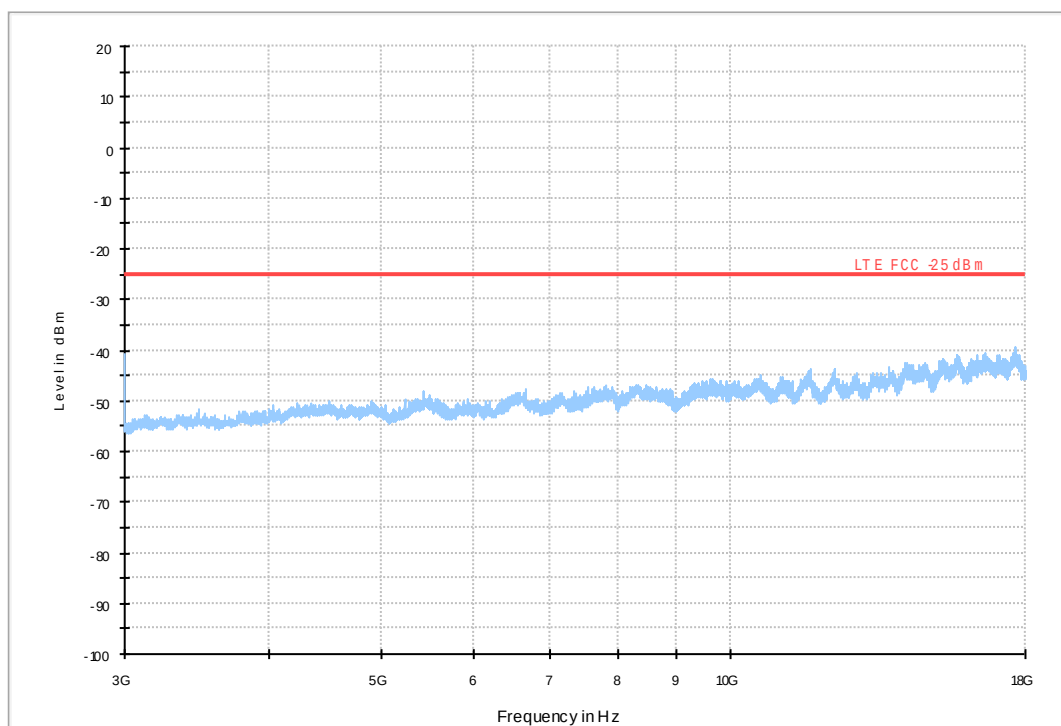


Band38/TM1_Ant1(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit

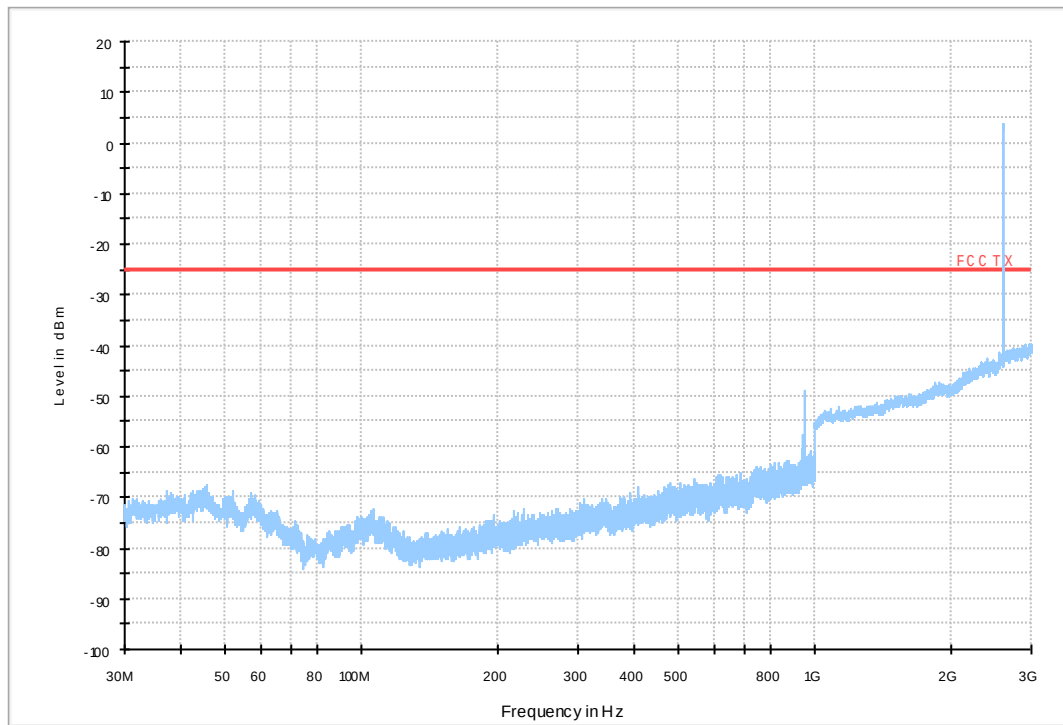


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit

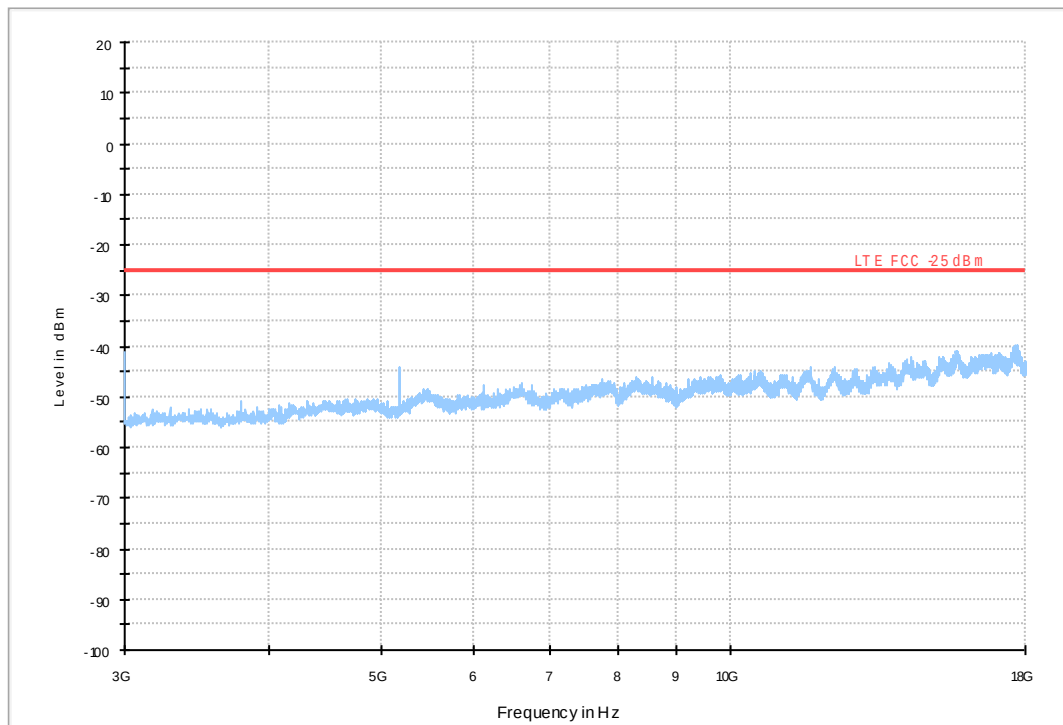


Band38/TM1_Ant2(adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit





8Appendix_H: Frequency Stability

Refer to No. SYBH(Z-RF) 20190401017001-2001 of ELE-L04m(FCC ID: QISELE-L04M).

END