

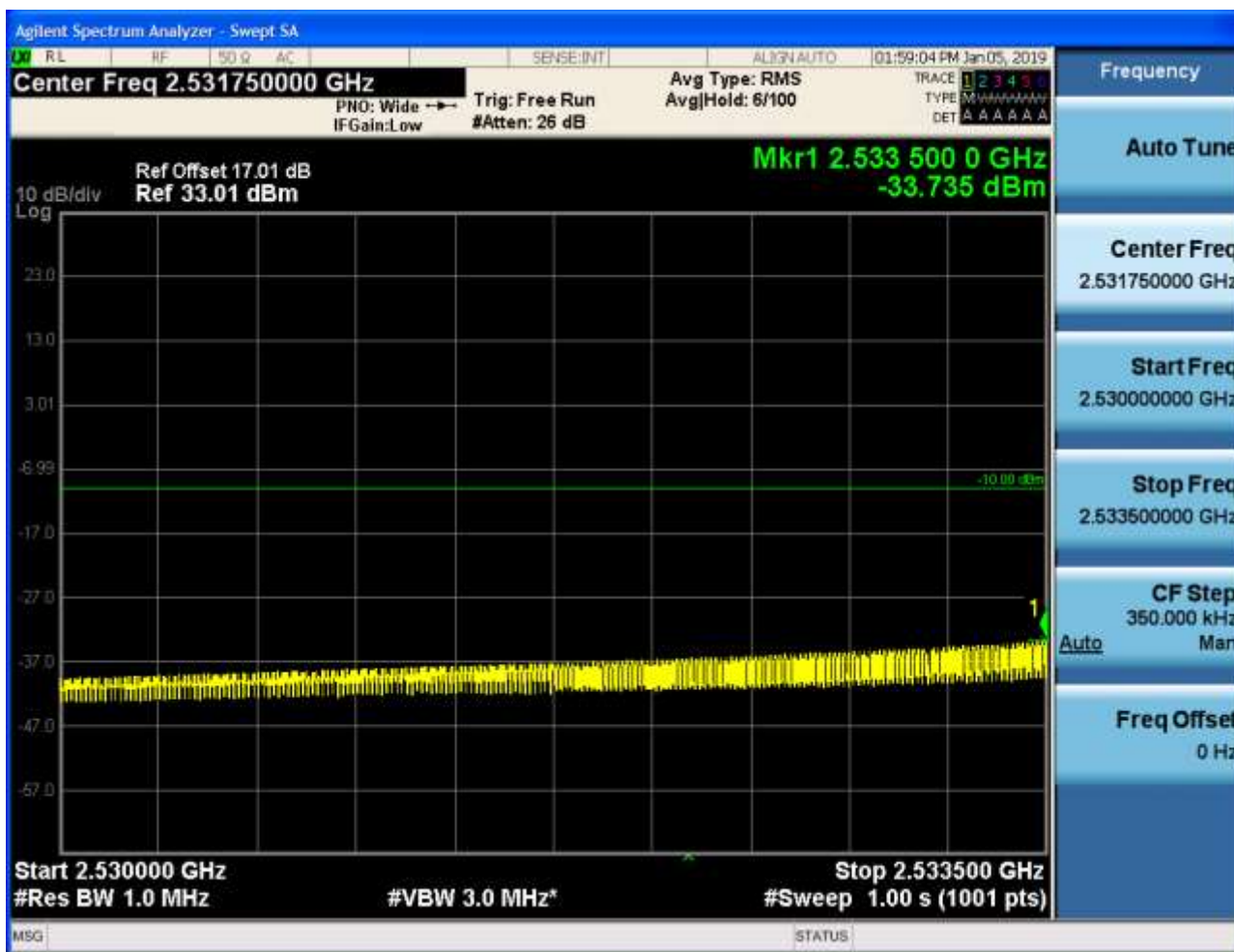


5.1.1.2.2 Test Bandwidth = 20MHz+20MHz

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







5.1.1.2.2.1.2 PCC Test RB = partial RBs #0 & SCC Test RB = 0







5.1.1.2.2.1.3 PCC Test RB = full RBs & SCC Test RB = 0







5.1.1.2.2.1.4 PCC Test RB = full RBs & SCC Test RB = full RBs

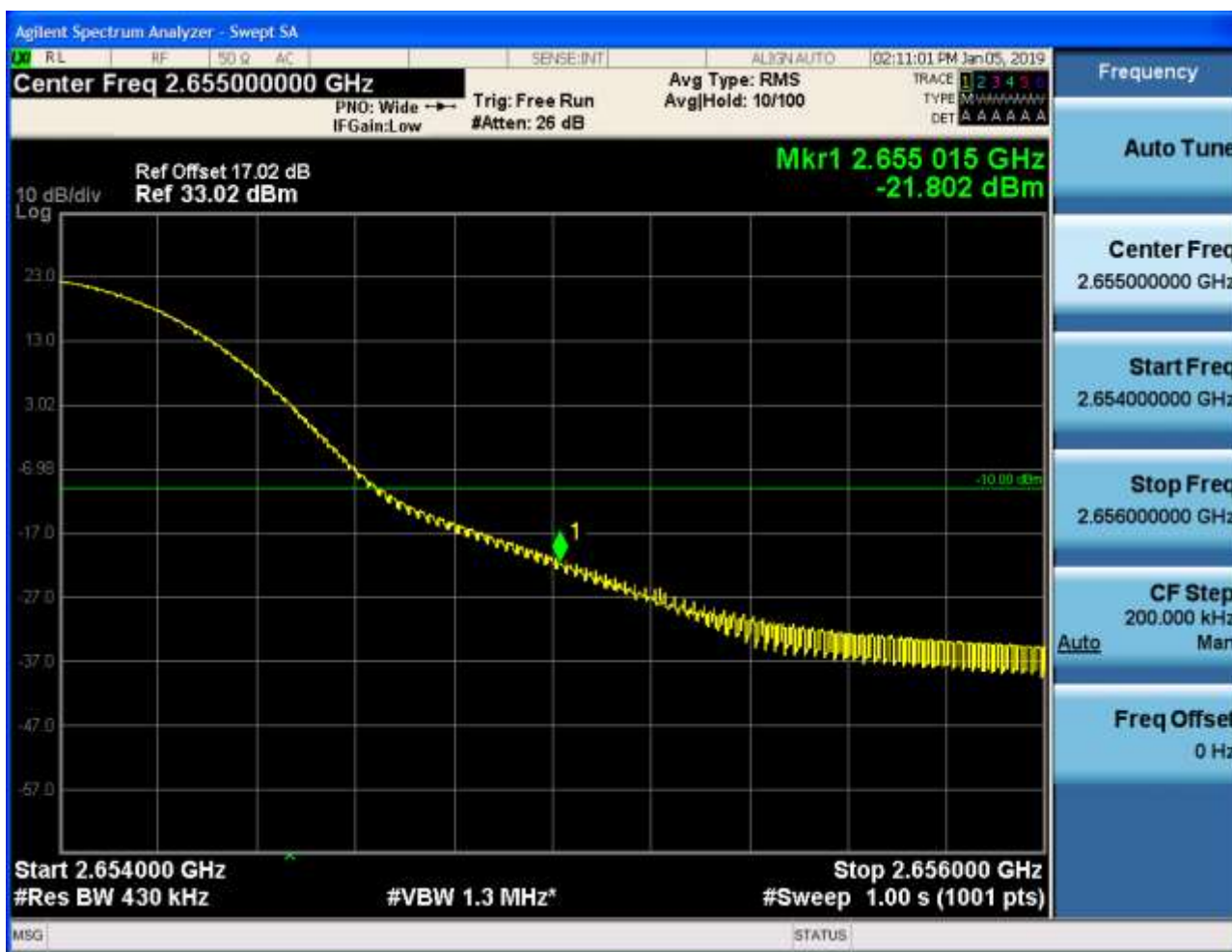






5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 PCC Test RB = 0 & SCC Test RB = 1 # max







5.1.1.2.2.2 PCC Test RB = 0 & SCC Test RB = partial RBs #max







5.1.1.2.2.3 PCC Test RB = 0 & SCC Test RB = full RBs







5.1.1.2.2.4 PCC Test RB = full RBs & SCC Test RB = full RBs







6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = CA_41C (2535-2655MHz)

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 15MHz+15MHz

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



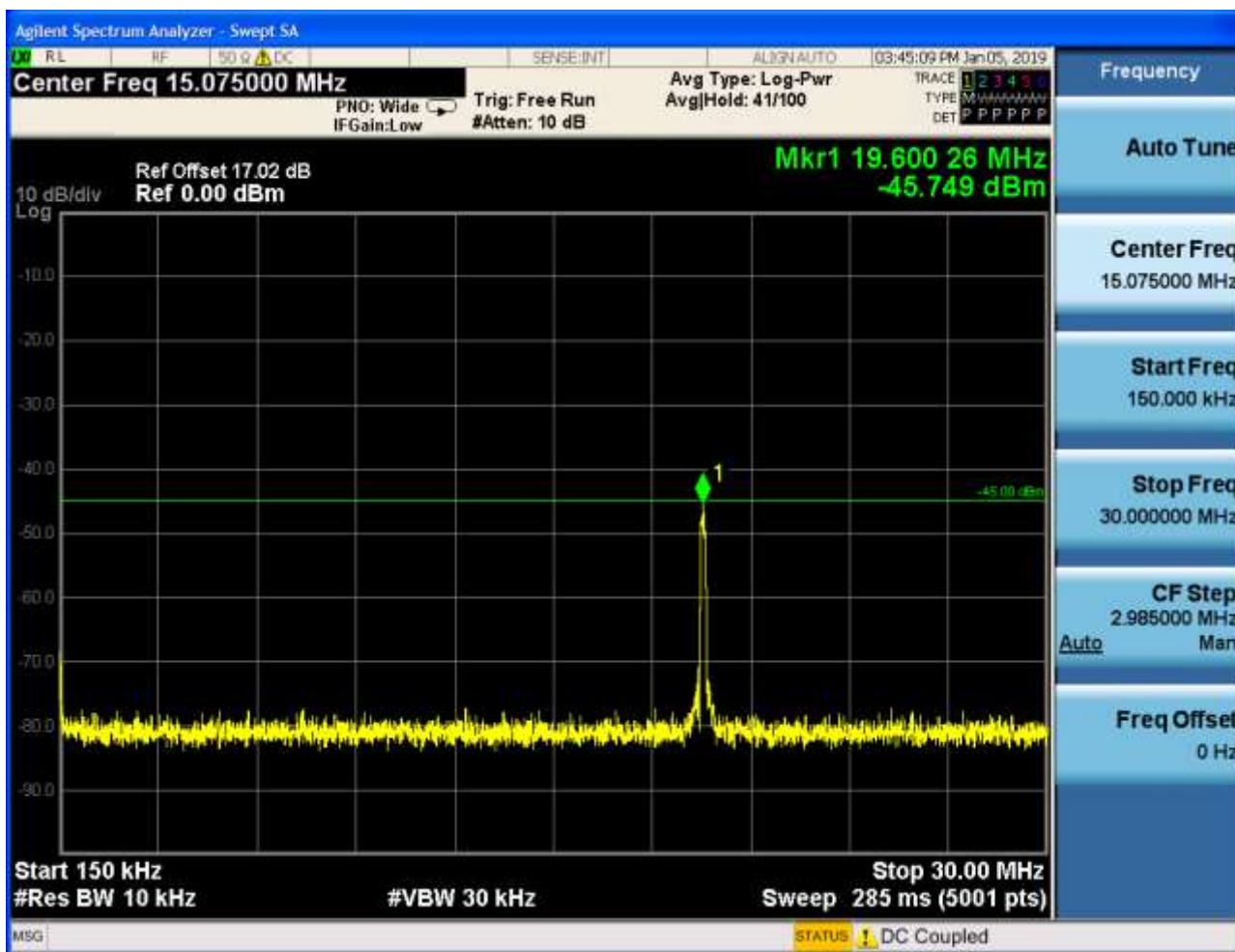




6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0





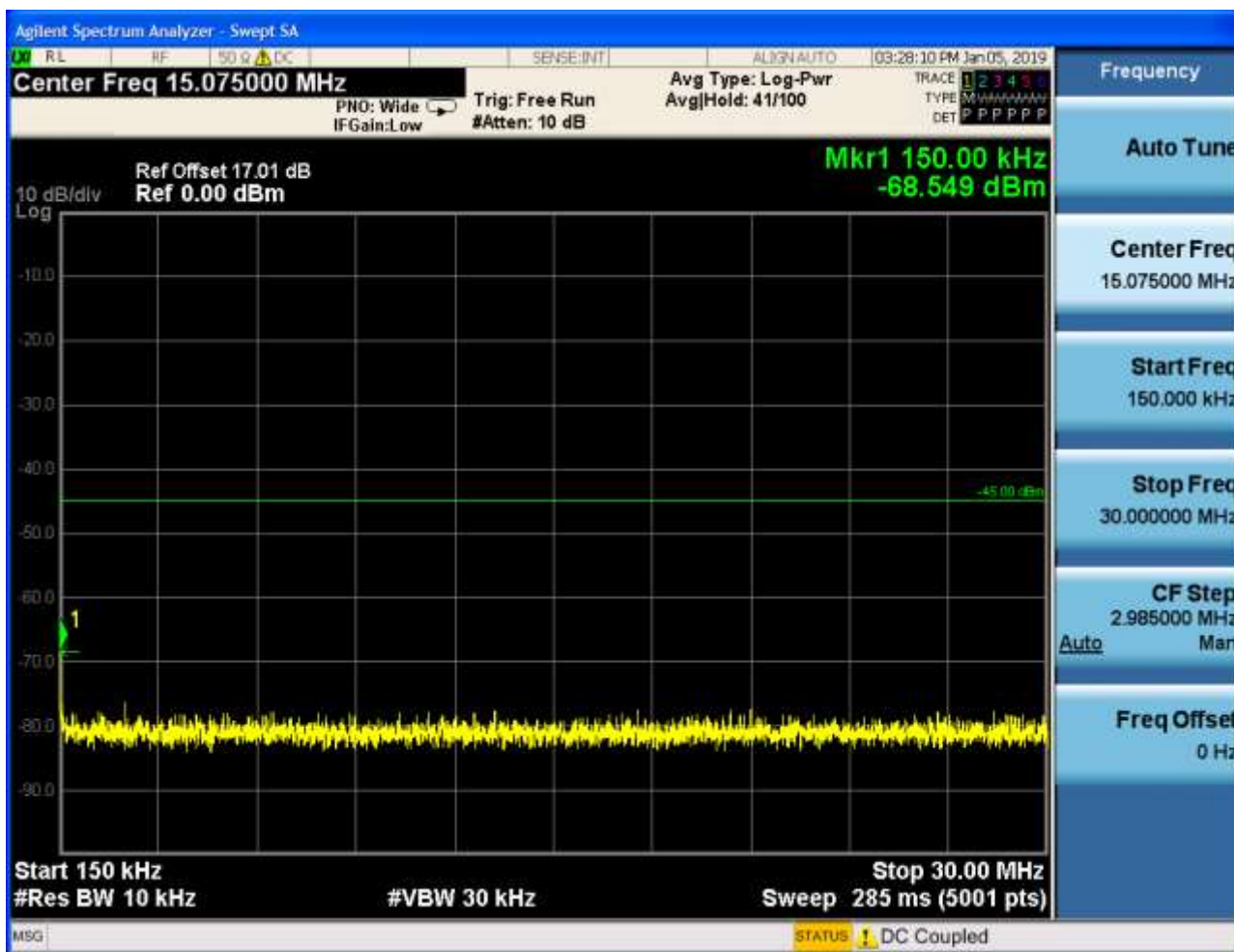


6.2.1.1.2 Test Bandwidth = 20MHz+20MHz

6.2.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



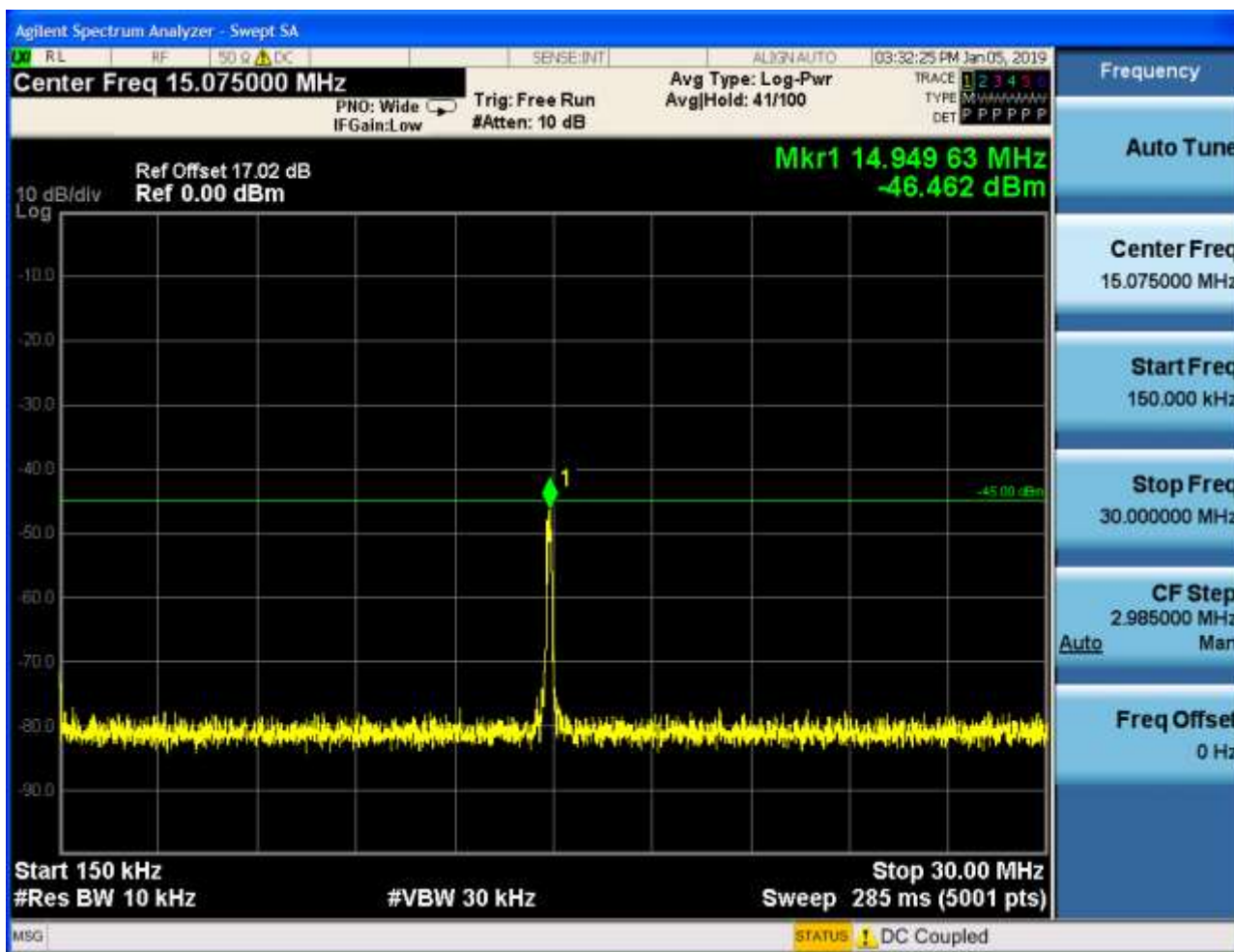




6.2.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



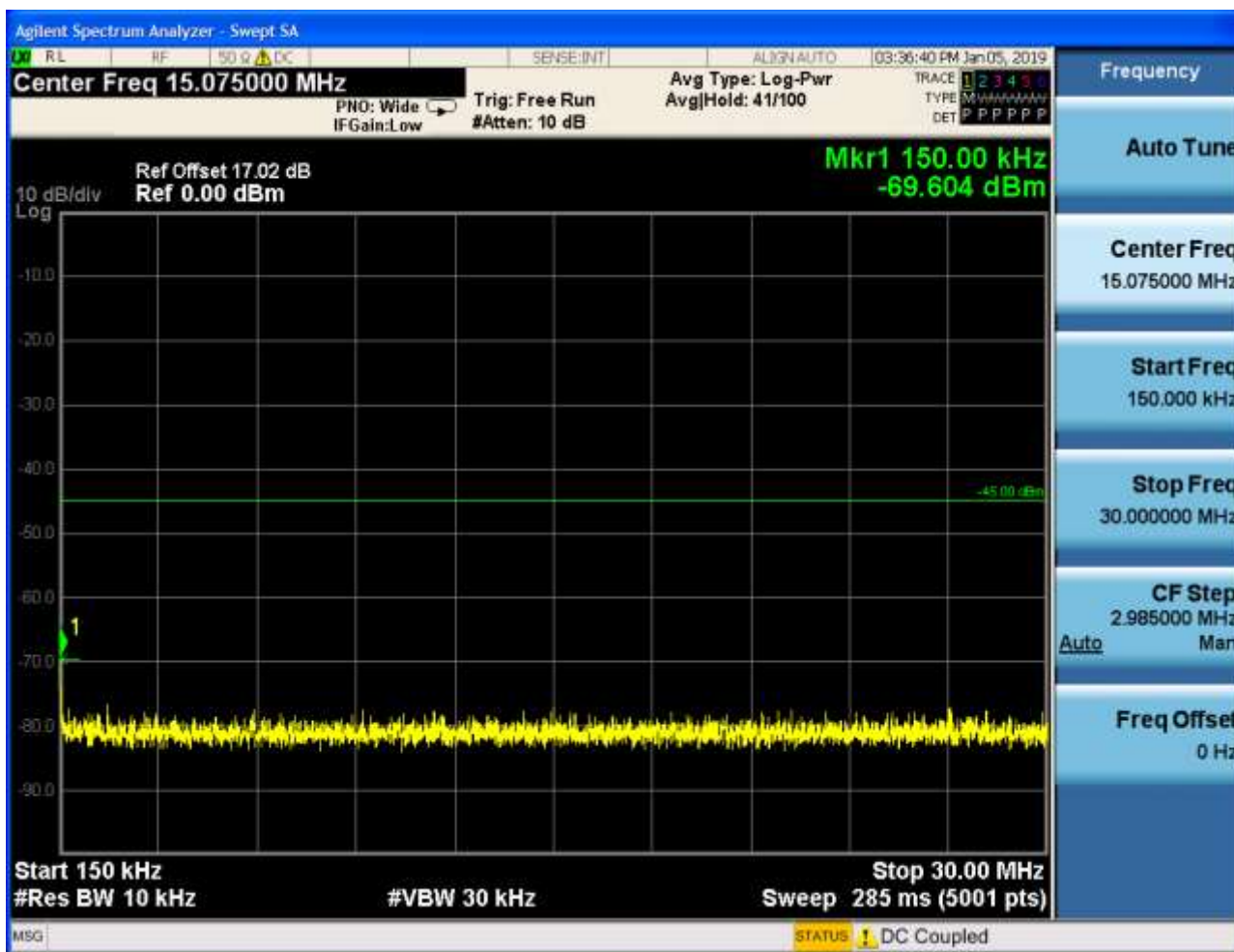




6.2.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 15MHz+15MHz

6.2.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



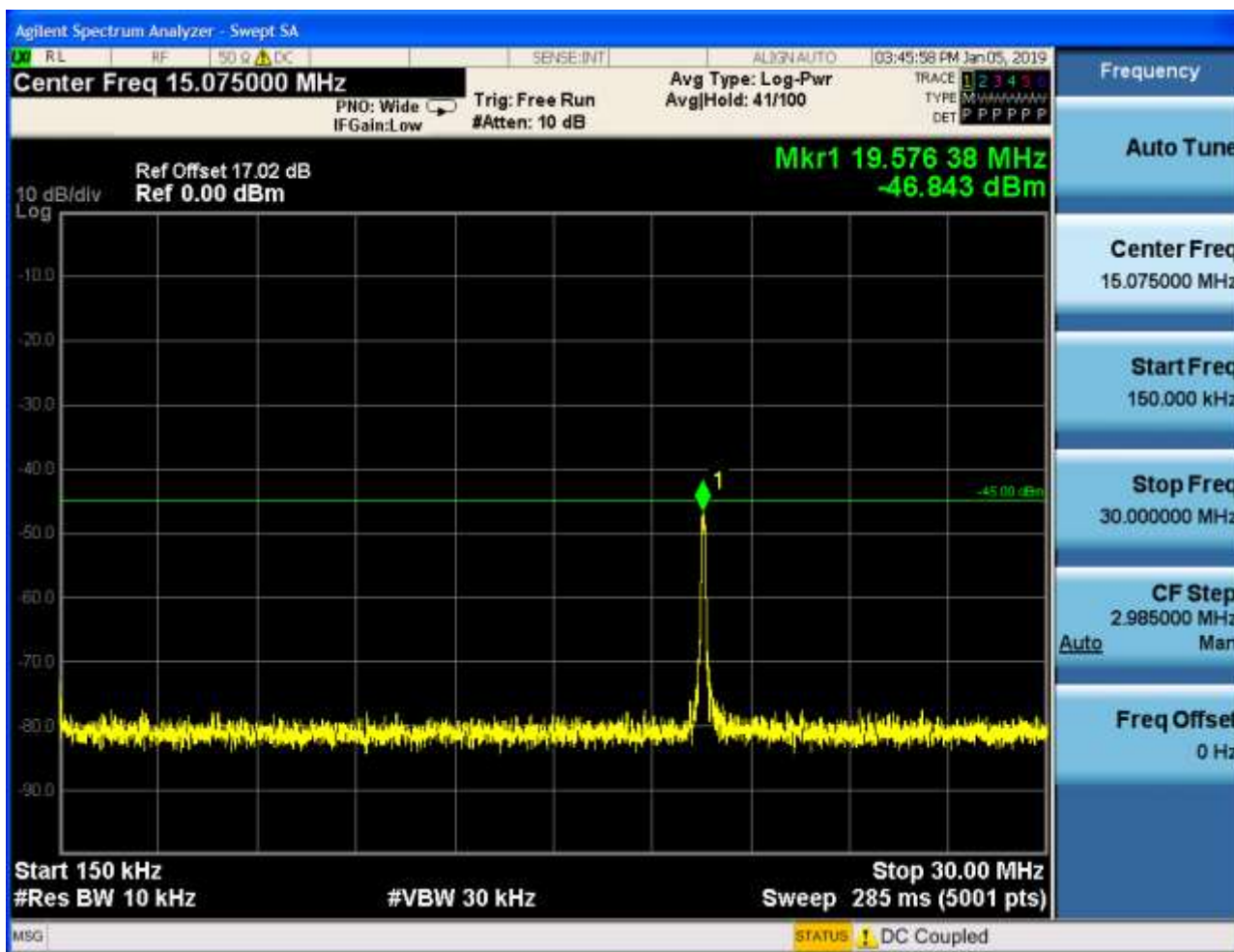




6.2.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2.2 Test Bandwidth = 20MHz+20MHz

6.2.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



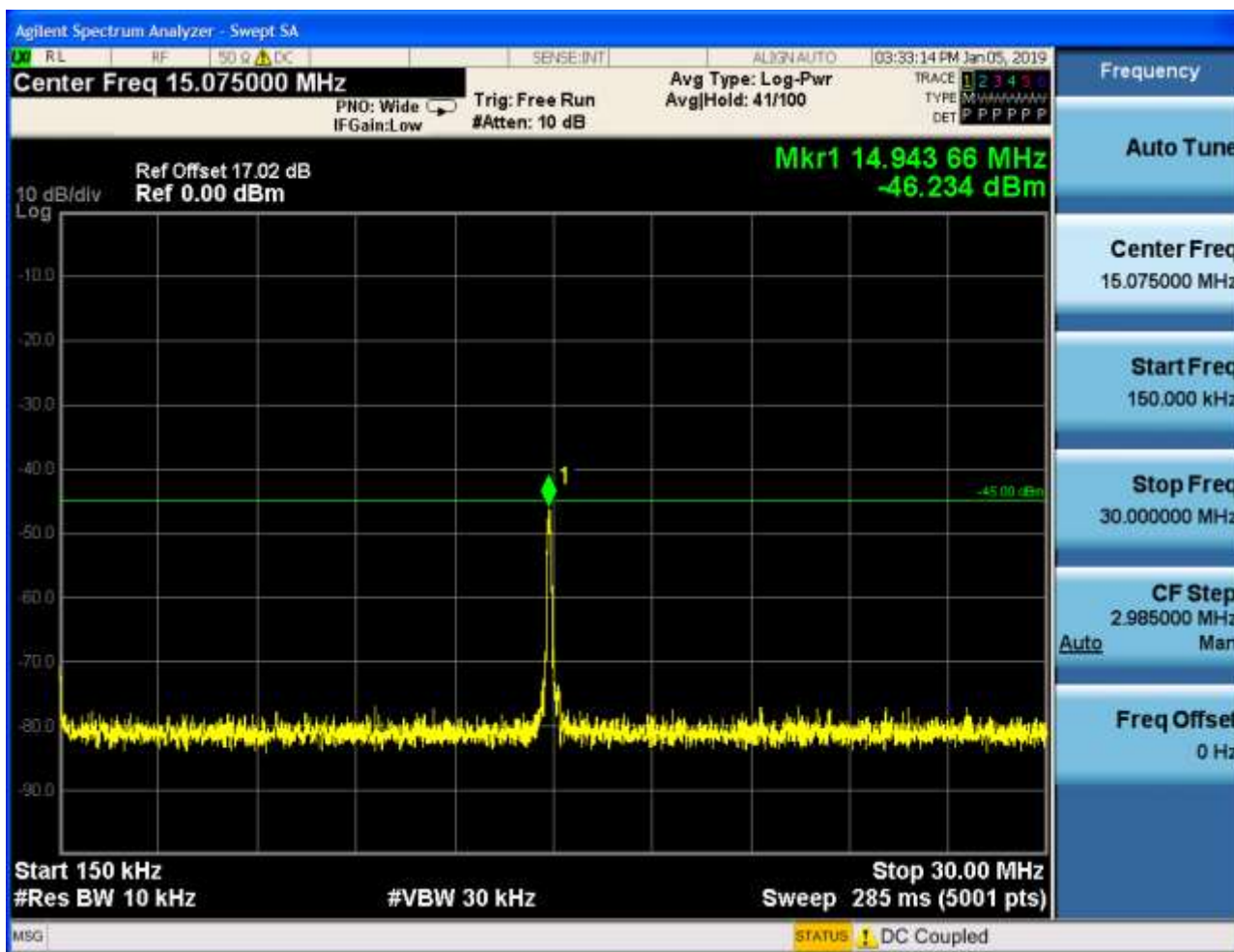




6.2.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



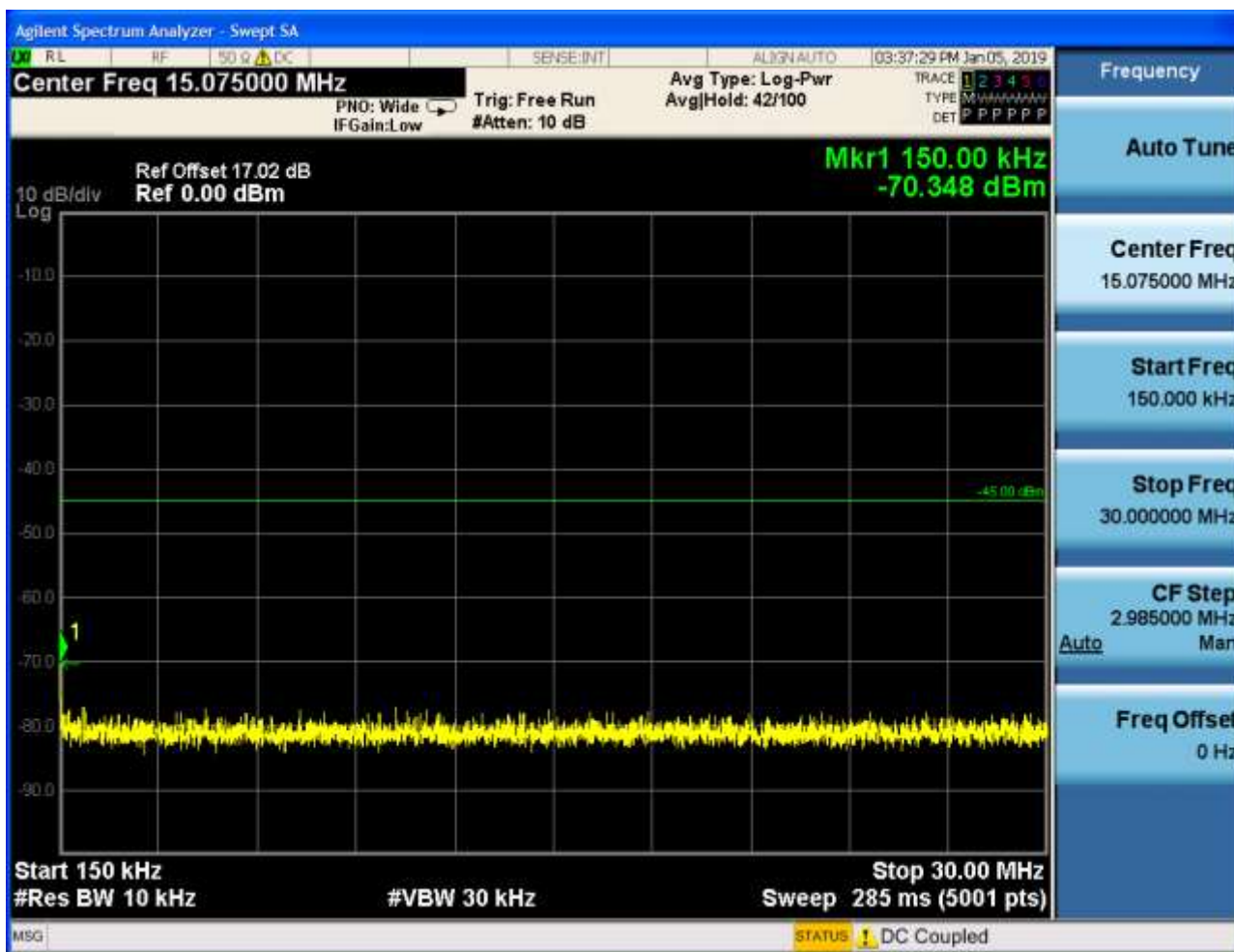




6.2.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

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

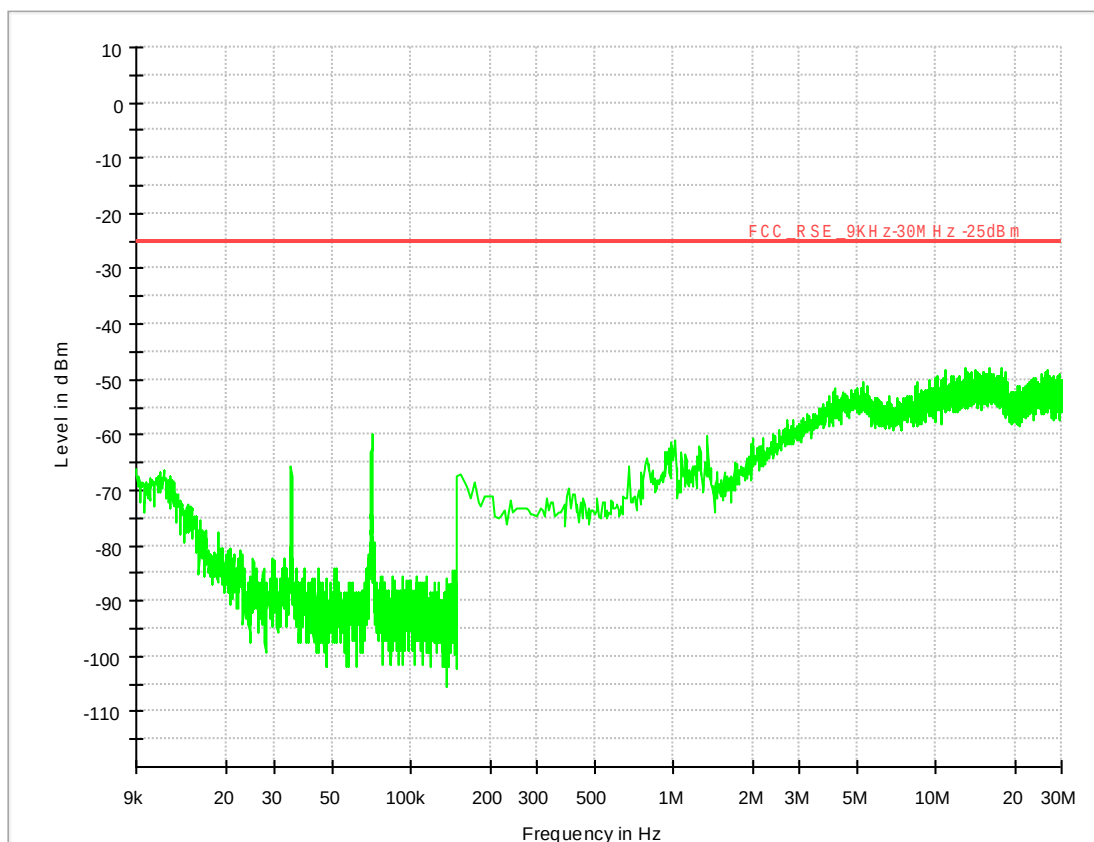
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz Detector: PK

Part I - Test Plots

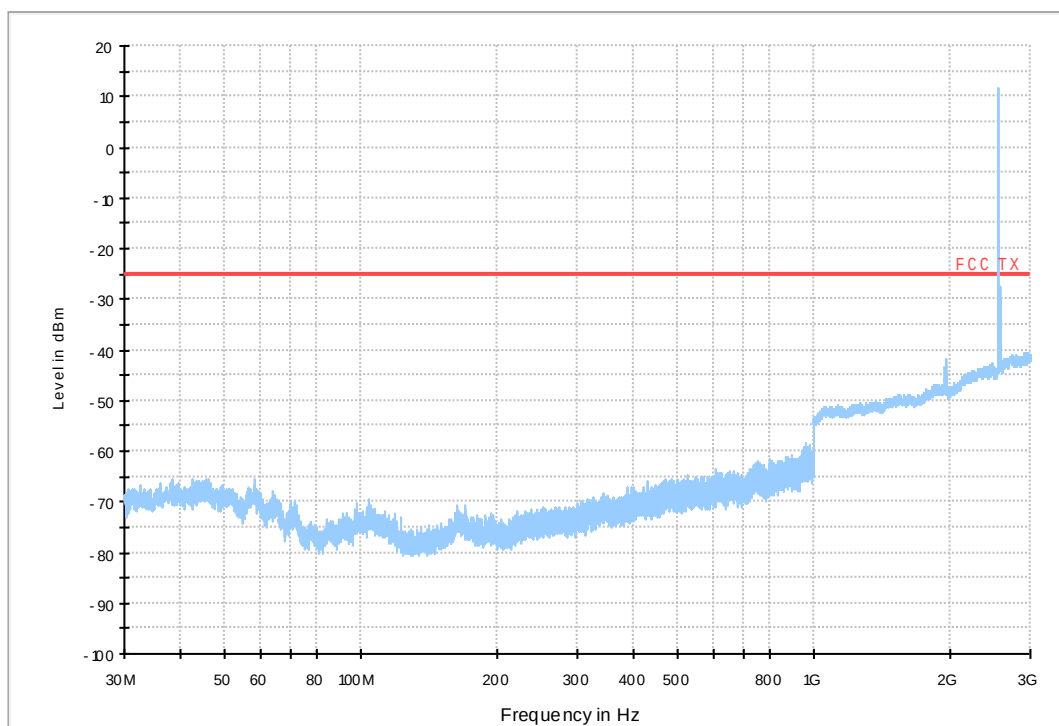
7.1 For LTE

7.1.1 Test Band = CA_41C (2535-2655MHz) _ ANT1

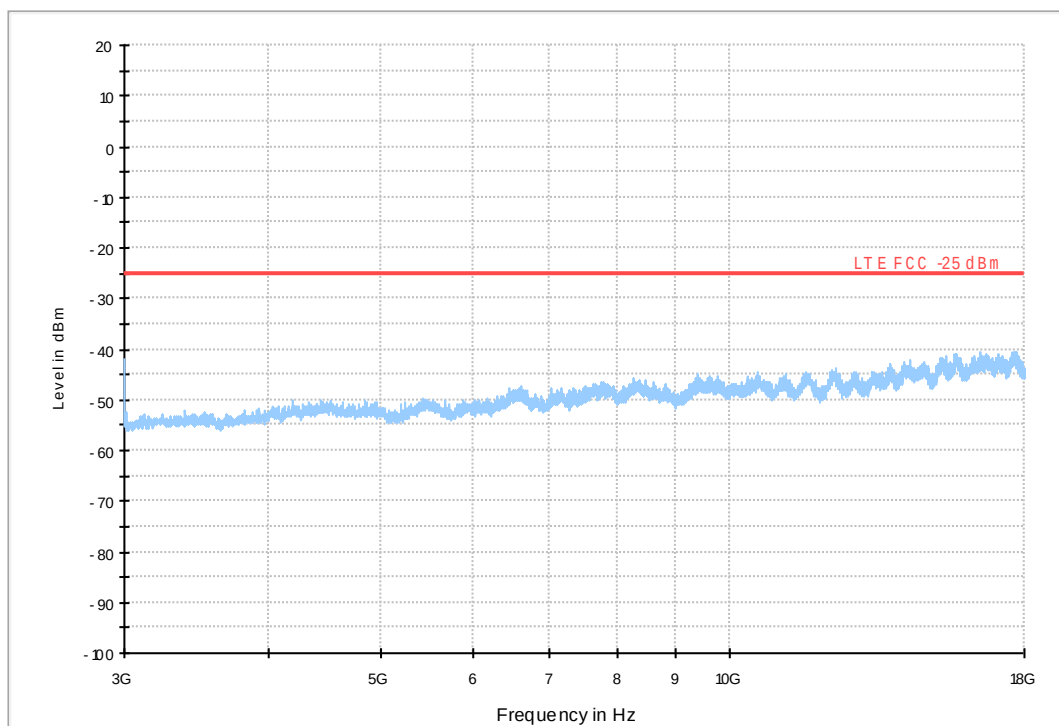
7.1.1.1 Test Bandwidth = 15MHz+15MHz



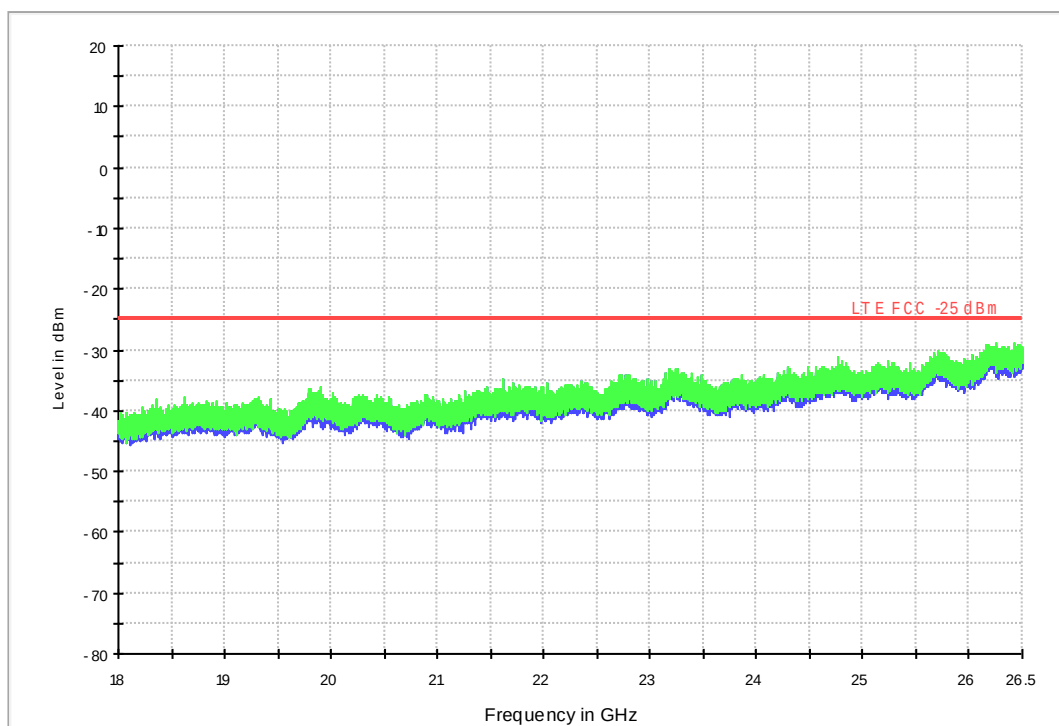
LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



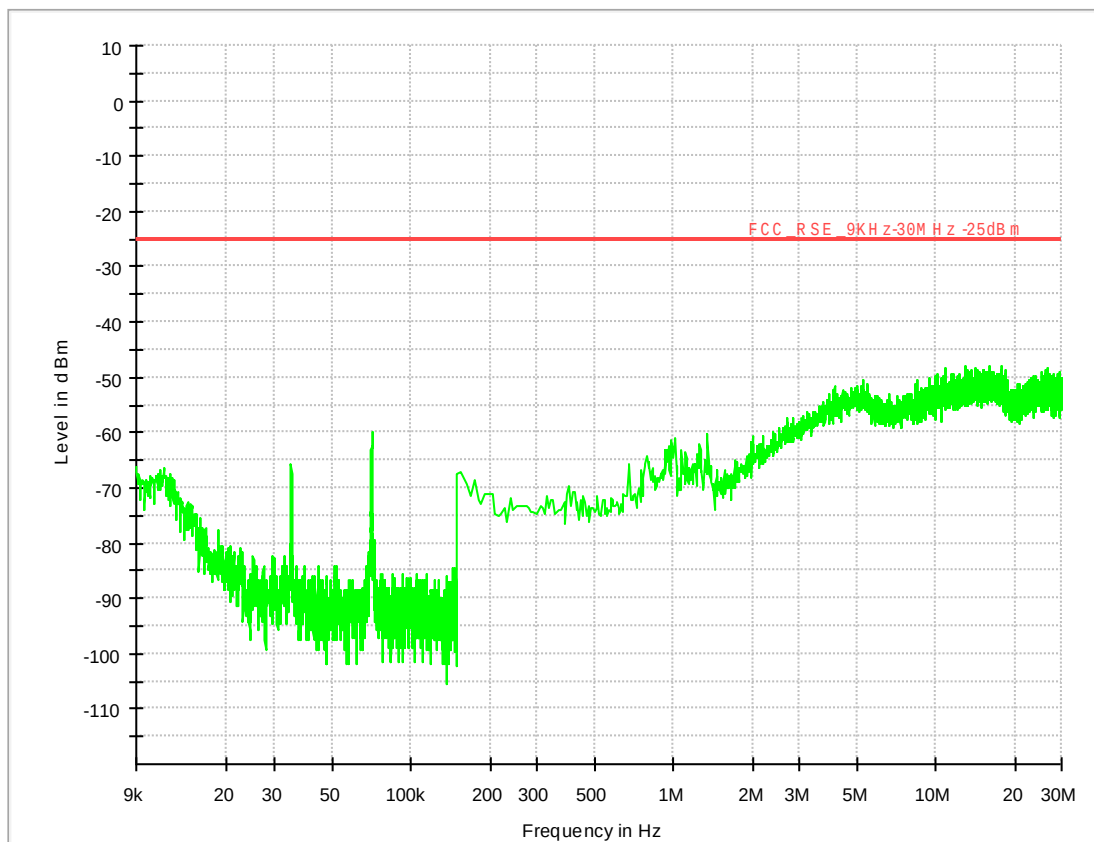
LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



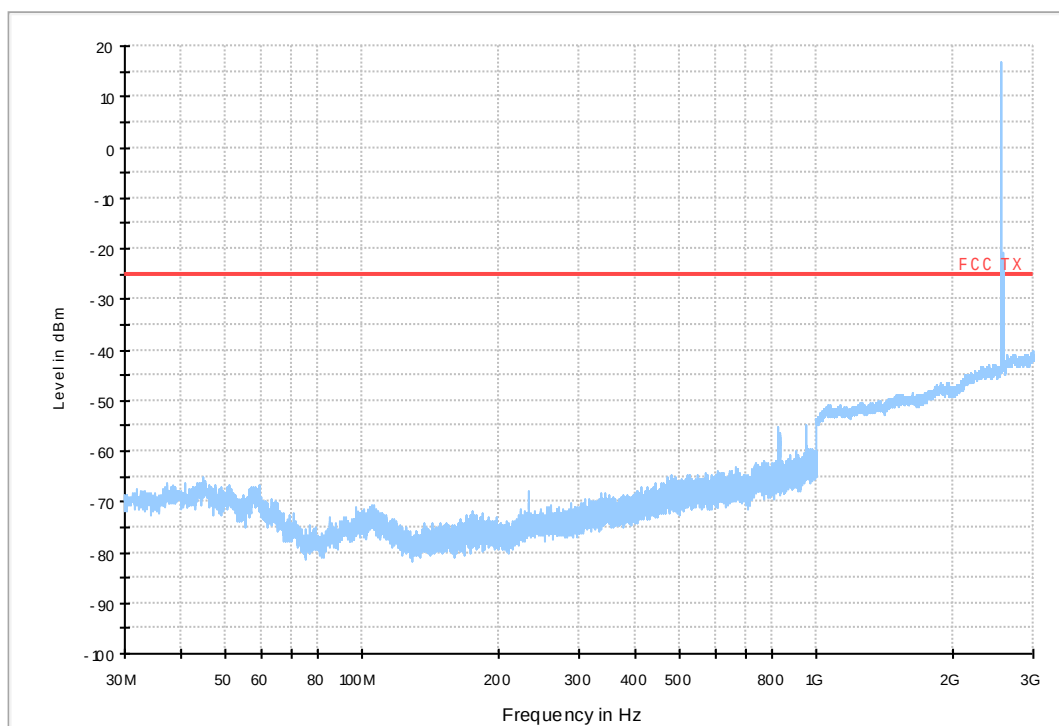
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



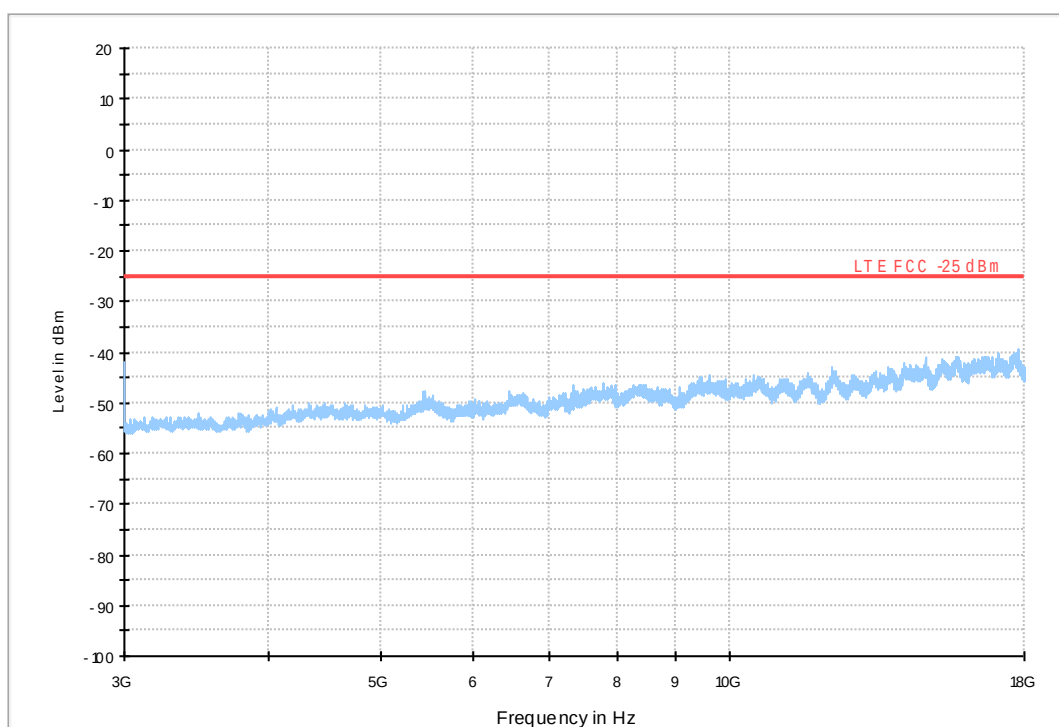
7.1.1.2 Test Bandwidth = 20MHz+20MHz



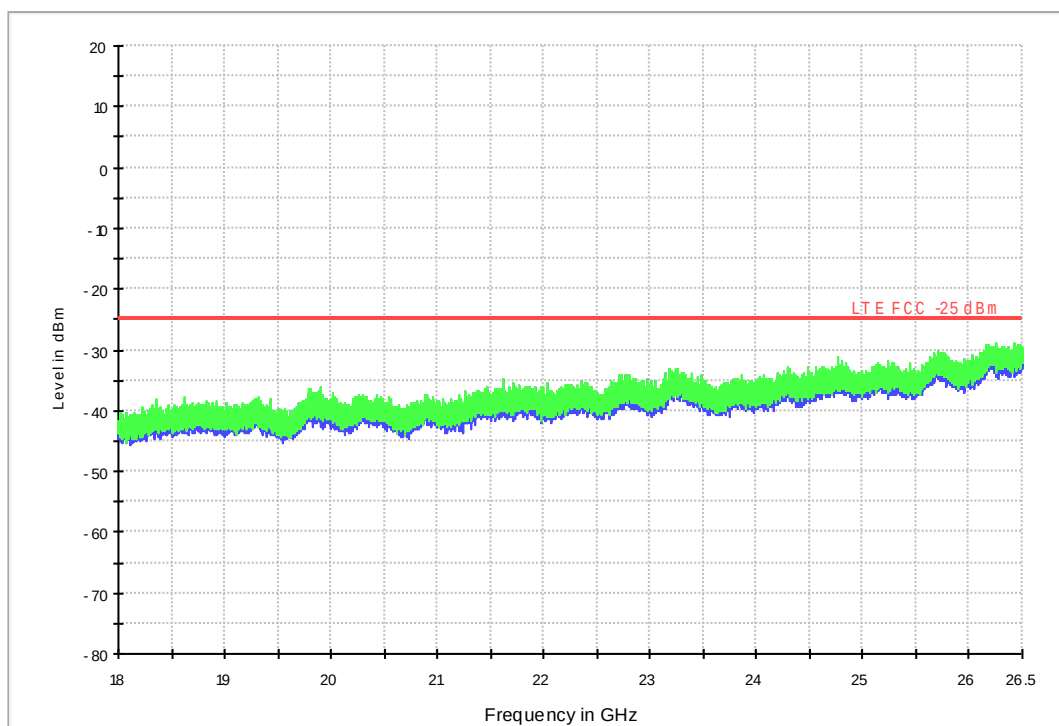
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit

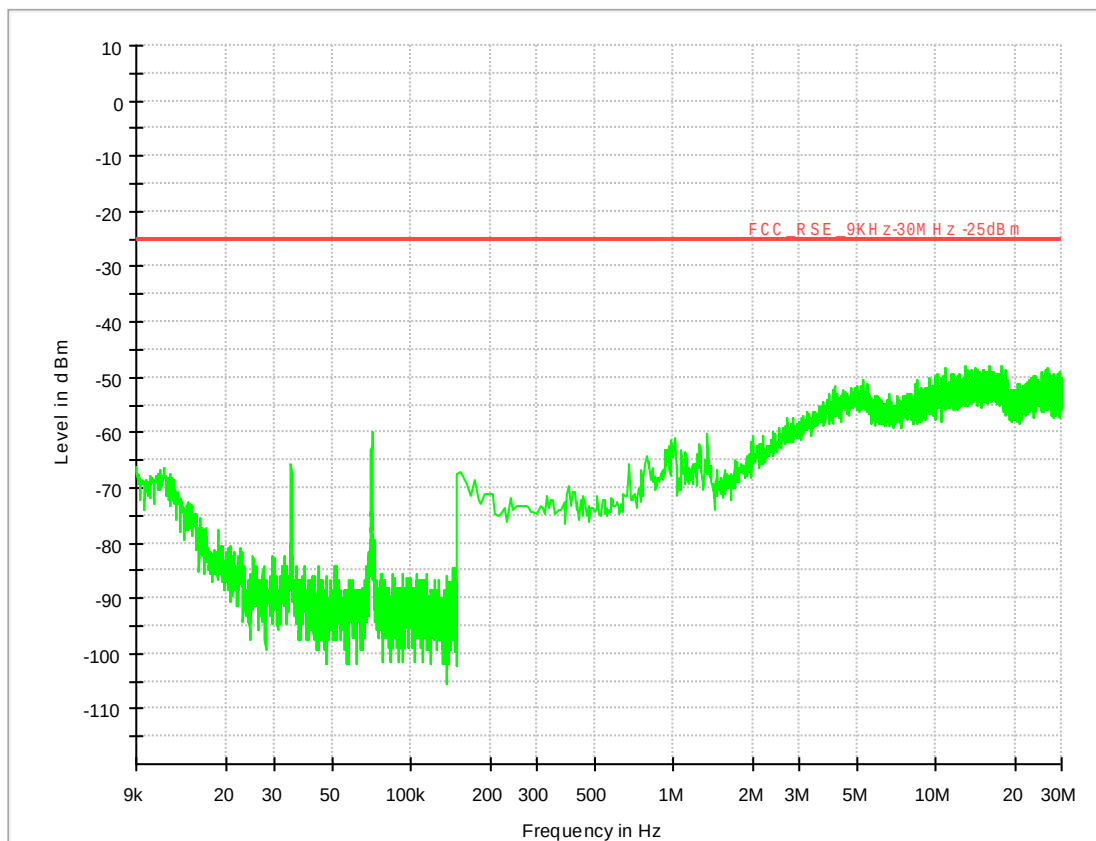


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

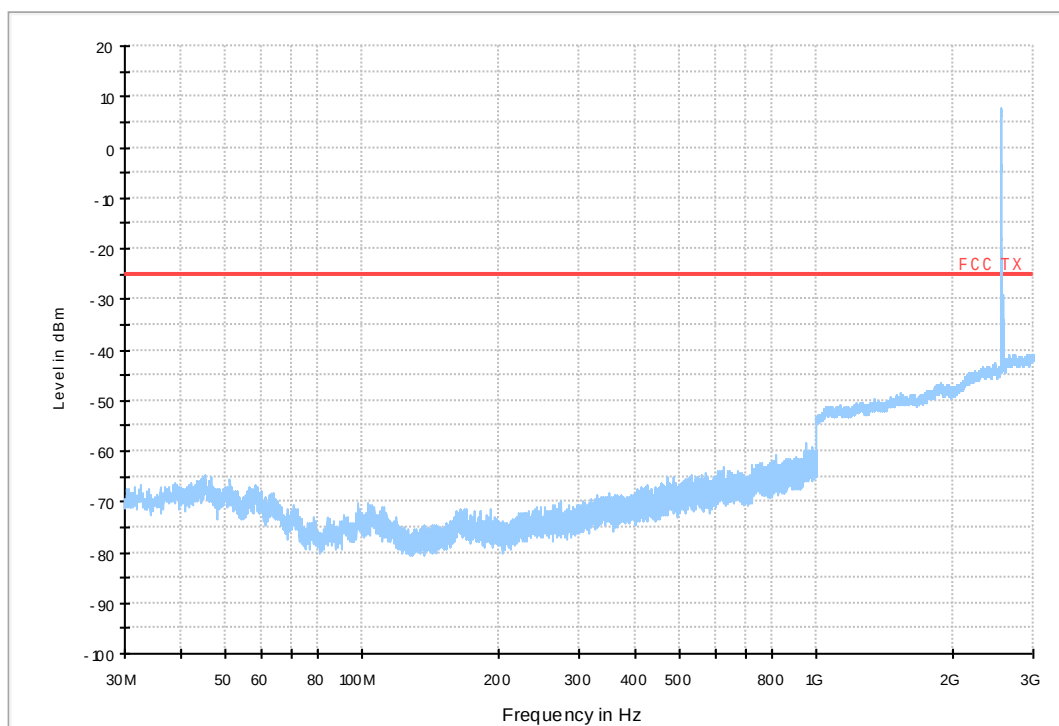


7.1.2 Test Band = CA_41C (2535-2655MHz)_ANT2

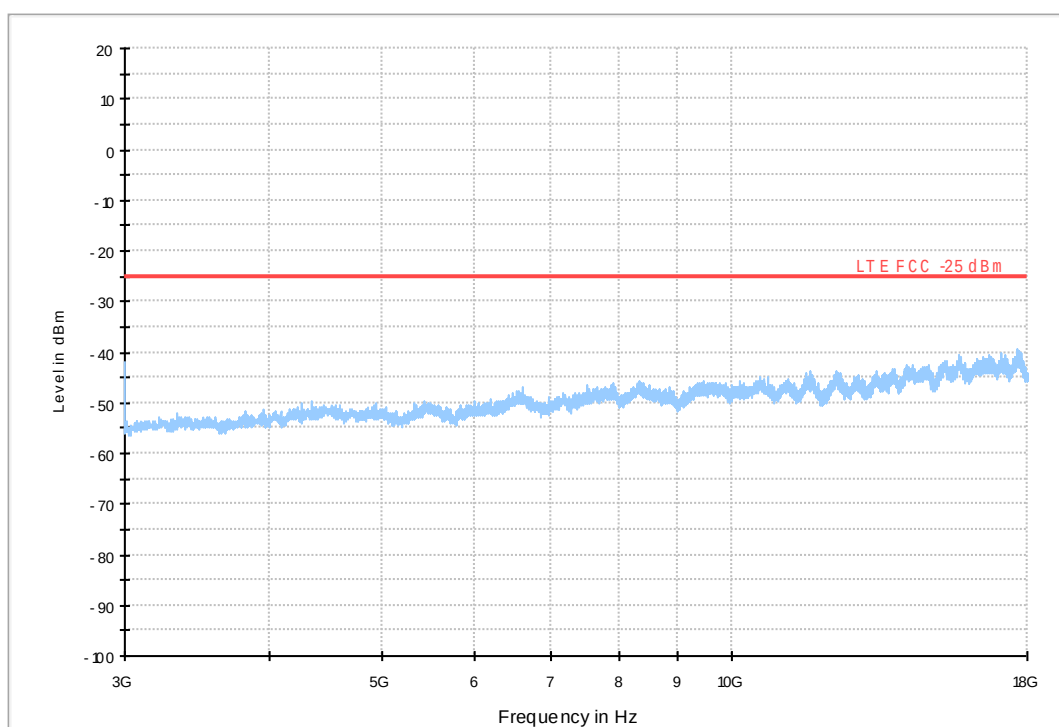
7.1.2.1 Test Bandwidth = 15MHz+15MHz



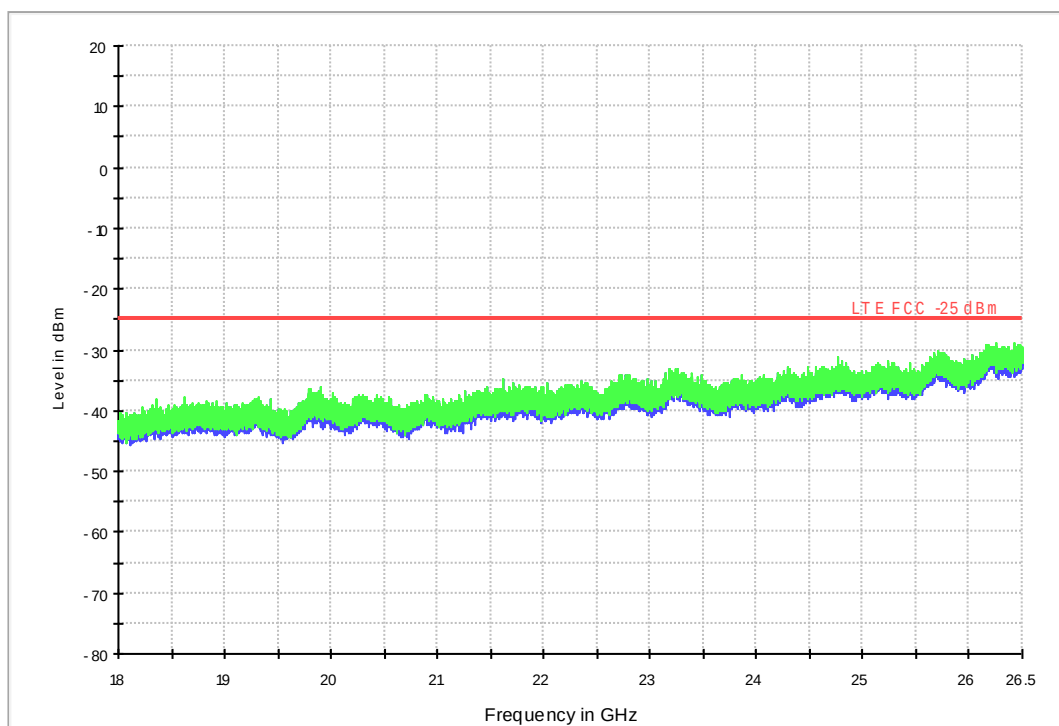
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



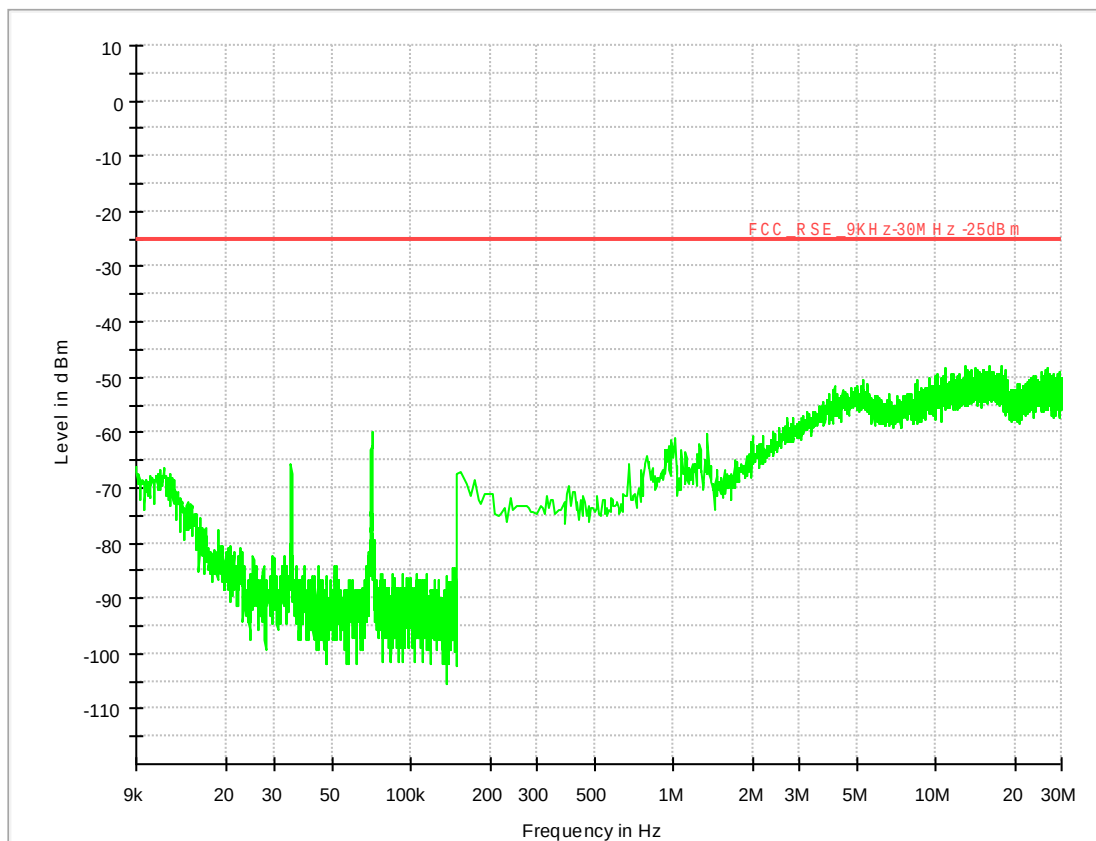
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



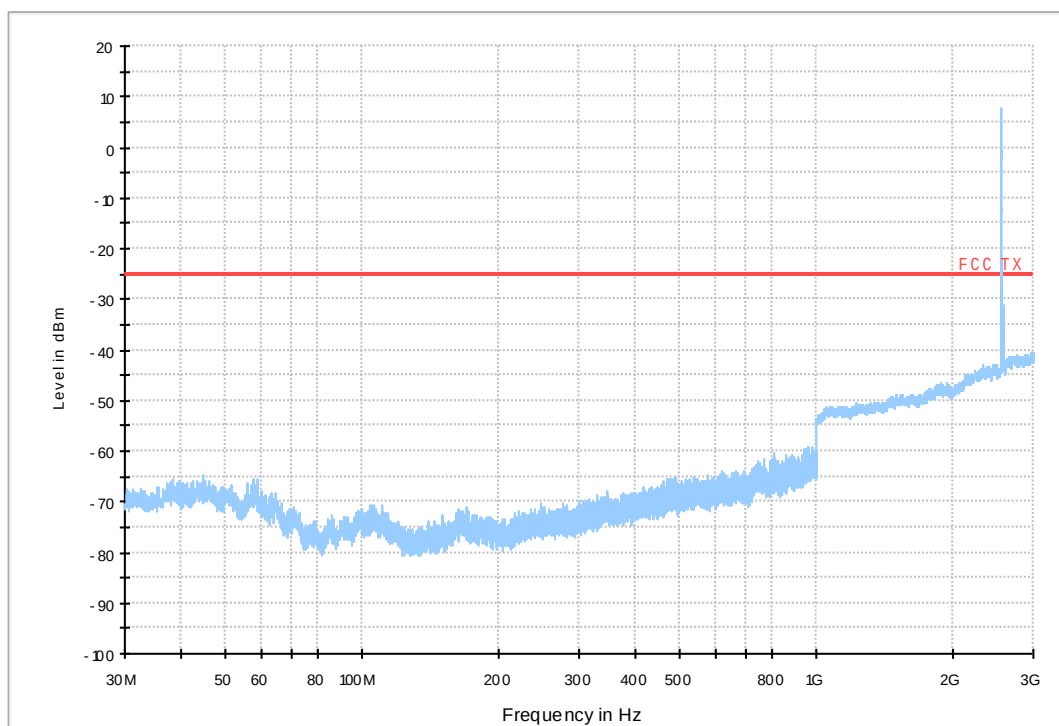
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



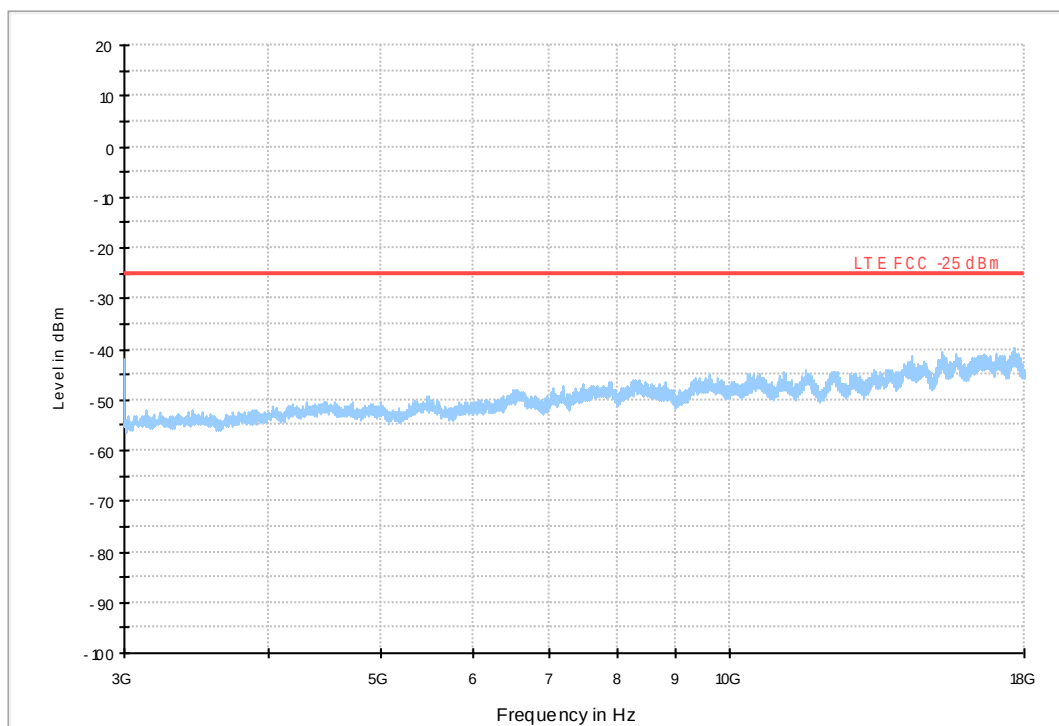
7.1.2.2 Test Bandwidth = 20MHz+20MHz



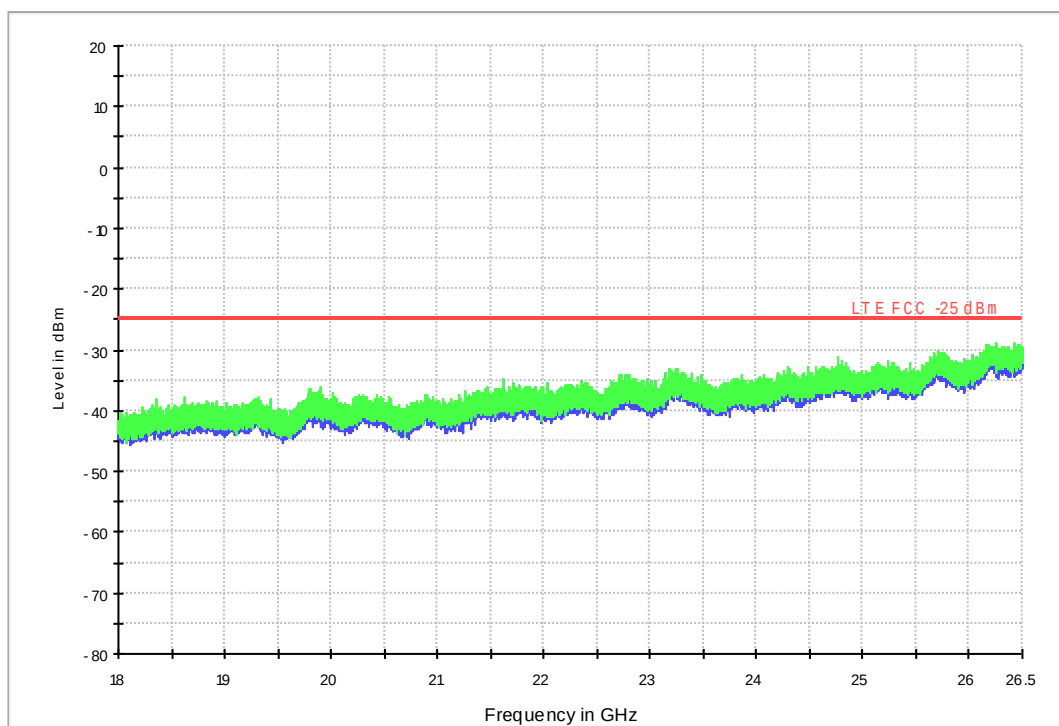
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C (2535-2655MHz)	LTE/TM1	15MHz +15MHz	LCH	TN	VL	-34.63000	-0.01362	PASS
					VN	-27.92000	-0.01098	PASS
					VH	-23.66000	-0.00931	PASS
			MCH	TN	VL	-33.83000	-0.01307	PASS
					VN	-25.73000	-0.00994	PASS
					VH	-24.85000	-0.00960	PASS
		20MHz +20MHz	HCH	TN	VL	-29.50000	-0.01121	PASS
					VN	-26.48000	-0.01006	PASS
					VH	-24.81000	-0.00942	PASS
			LCH	TN	VL	-33.36000	-0.01311	PASS
					VN	-21.51000	-0.00845	PASS
					VH	-24.10000	-0.00947	PASS
	LTE/TM2	15MHz +15MHz	MCH	TN	VL	-34.09000	-0.01319	PASS
					VN	-30.13000	-0.01166	PASS
					VH	-25.63000	-0.00991	PASS
			HCH	TN	VL	-29.51000	-0.01124	PASS
					VN	-25.08000	-0.00955	PASS
					VH	-22.57000	-0.00860	PASS
		20MHz +20MHz	LCH	TN	VL	-23.36000	-0.00919	PASS
					VN	-28.92000	-0.01137	PASS
					VH	-27.89000	-0.01097	PASS
			MCH	TN	VL	-23.83000	-0.00921	PASS
					VN	-32.16000	-0.01243	PASS
					VH	-27.45000	-0.01061	PASS
		20MHz +20MHz	HCH	TN	VL	-22.62000	-0.00859	PASS
					VN	-29.10000	-0.01105	PASS
					VH	-30.17000	-0.01146	PASS
			LCH	TN	VL	-19.81000	-0.00778	PASS
					VN	-30.76000	-0.01209	PASS
					VH	-24.30000	-0.00955	PASS
			MCH	TN	VL	-25.49000	-0.00986	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-34.02000	-0.01316	PASS
					VH	-27.19000	-0.01052	PASS
			HCH	TN	VL	-18.70000	-0.00712	PASS
					VN	-34.70000	-0.01322	PASS
					VH	-24.23000	-0.00923	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C (2535-2655MHz)	LTE/TM1	15MHz+15MHz	LCH	VN	-30	-25.01000	-0.00984	PASS
					-20	-27.38000	-0.01077	PASS
					-10	-26.54000	-0.01044	PASS
					0	-21.63000	-0.00851	PASS
					10	-27.25000	-0.01072	PASS
					20	-27.92000	-0.01098	PASS
					30	-23.85000	-0.00938	PASS
					40	-28.17000	-0.01108	PASS
					50	-29.84000	-0.01174	PASS
			MCH	VN	-30	-25.92000	-0.01002	PASS
					-20	-30.04000	-0.01161	PASS
					-10	-26.02000	-0.01006	PASS
					0	-28.14000	-0.01088	PASS
					10	-28.00000	-0.01082	PASS
					20	-25.73000	-0.00994	PASS
					30	-26.76000	-0.01034	PASS
					40	-28.18000	-0.01089	PASS
					50	-10.54000	-0.00407	PASS
			HCH	VN	-30	-21.17000	-0.00804	PASS
					-20	-23.93000	-0.00909	PASS
					-10	-24.96000	-0.00948	PASS
					0	-26.24000	-0.00997	PASS
					10	-27.79000	-0.01056	PASS
					20	-26.48000	-0.01006	PASS
					30	-25.53000	-0.00970	PASS
					40	-24.63000	-0.00936	PASS
					50	-25.42000	-0.00966	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20MHz+20MHz	LCH	VN	-30	-19.15000	-0.00752	PASS
					-20	-26.12000	-0.01026	PASS
					-10	-22.37000	-0.00879	PASS
					0	-21.14000	-0.00831	PASS
					10	-22.37000	-0.00879	PASS
					20	-21.51000	-0.00845	PASS
					30	-23.78000	-0.00934	PASS
					40	-27.07000	-0.01064	PASS
					50	-23.46000	-0.00922	PASS
			MCH	VN	-30	-27.19000	-0.01052	PASS
					-20	-27.45000	-0.01062	PASS
					-10	-30.46000	-0.01178	PASS
					0	-23.23000	-0.00899	PASS
					10	-28.85000	-0.01116	PASS
					20	-30.13000	-0.01166	PASS
					30	-26.61000	-0.01029	PASS
					40	-24.88000	-0.00962	PASS
					50	-26.99000	-0.01044	PASS
			HCH	VN	-30	-23.29000	-0.00887	PASS
					-20	-20.99000	-0.00800	PASS
					-10	-25.49000	-0.00971	PASS
					0	-29.60000	-0.01128	PASS
					10	-21.77000	-0.00829	PASS
					20	-25.08000	-0.00955	PASS
					30	-24.60000	-0.00937	PASS
					40	-22.76000	-0.00867	PASS
					50	-25.92000	-0.00987	PASS
	LTE/TM2	15MHz+15MHz	LCH	VN	-30	-30.00000	-0.01180	PASS
					-20	-31.69000	-0.01246	PASS
					-10	-32.33000	-0.01272	PASS
					0	-29.00000	-0.01141	PASS
					10	-28.47000	-0.01120	PASS
					20	-28.92000	-0.01137	PASS
					30	-27.84000	-0.01095	PASS
					40	-30.87000	-0.01214	PASS
					50	-30.77000	-0.01210	PASS
			MCH	VN	-30	-32.36000	-0.01251	PASS
					-20	-33.06000	-0.01278	PASS
					-10	-34.06000	-0.01316	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-31.51000	-0.01218	PASS
					10	-35.39000	-0.01368	PASS
					20	-32.16000	-0.01243	PASS
					30	-34.33000	-0.01327	PASS
					40	-33.85000	-0.01308	PASS
					50	-5.76000	-0.00223	PASS
			HCH	VN	-30	-32.09000	-0.01219	PASS
					-20	-31.90000	-0.01212	PASS
					-10	-28.40000	-0.01079	PASS
					0	-32.66000	-0.01241	PASS
					10	-33.17000	-0.01260	PASS
					20	-29.10000	-0.01105	PASS
					30	-29.67000	-0.01127	PASS
					40	-30.31000	-0.01151	PASS
					50	-28.82000	-0.01095	PASS
		20MHz+20MHz z	LCH	VN	-30	-22.72000	-0.00893	PASS
					-20	-27.85000	-0.01094	PASS
					-10	-30.16000	-0.01185	PASS
					0	-29.00000	-0.01139	PASS
					10	-30.11000	-0.01183	PASS
					20	-30.76000	-0.01209	PASS
					30	-23.29000	-0.00915	PASS
					40	-26.59000	-0.01045	PASS
					50	-25.68000	-0.01009	PASS
			MCH	VN	-30	-29.08000	-0.01125	PASS
					-20	-33.12000	-0.01281	PASS
					-10	-35.91000	-0.01389	PASS
					0	-30.74000	-0.01189	PASS
					10	-33.53000	-0.01297	PASS
					20	-34.02000	-0.01316	PASS
					30	-32.19000	-0.01245	PASS
					40	-28.87000	-0.01117	PASS
					50	-33.76000	-0.01306	PASS
			HCH	VN	-30	-28.31000	-0.01078	PASS
					-20	-30.40000	-0.01158	PASS
					-10	-30.83000	-0.01174	PASS
					0	-26.87000	-0.01024	PASS
					10	-30.37000	-0.01157	PASS
					20	-34.70000	-0.01322	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-23.02000	-0.00877	PASS
					40	-25.84000	-0.00984	PASS
					50	-24.39000	-0.00929	PASS

END