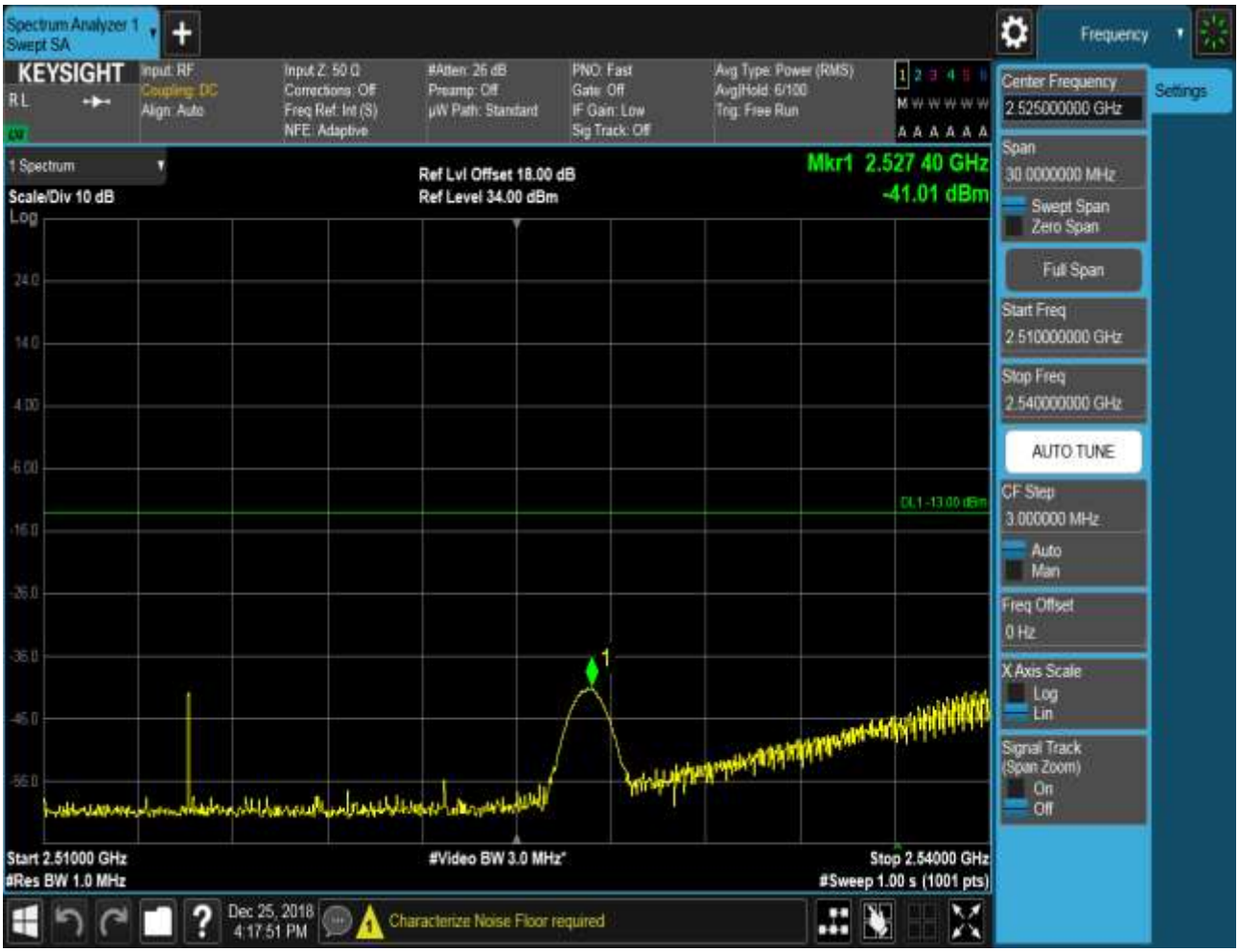
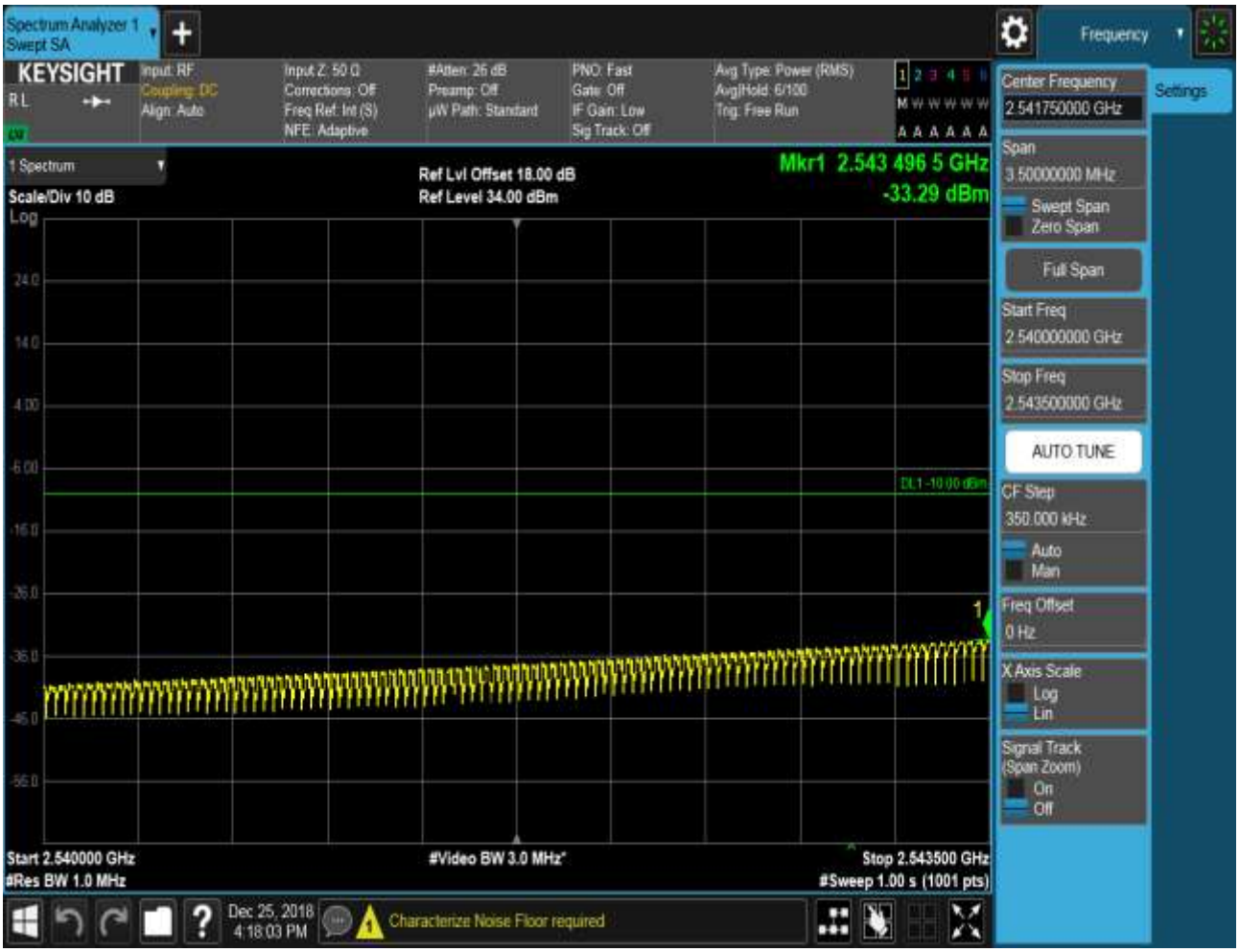
5.1.1.2.2 Test Bandwidth = 20+20

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

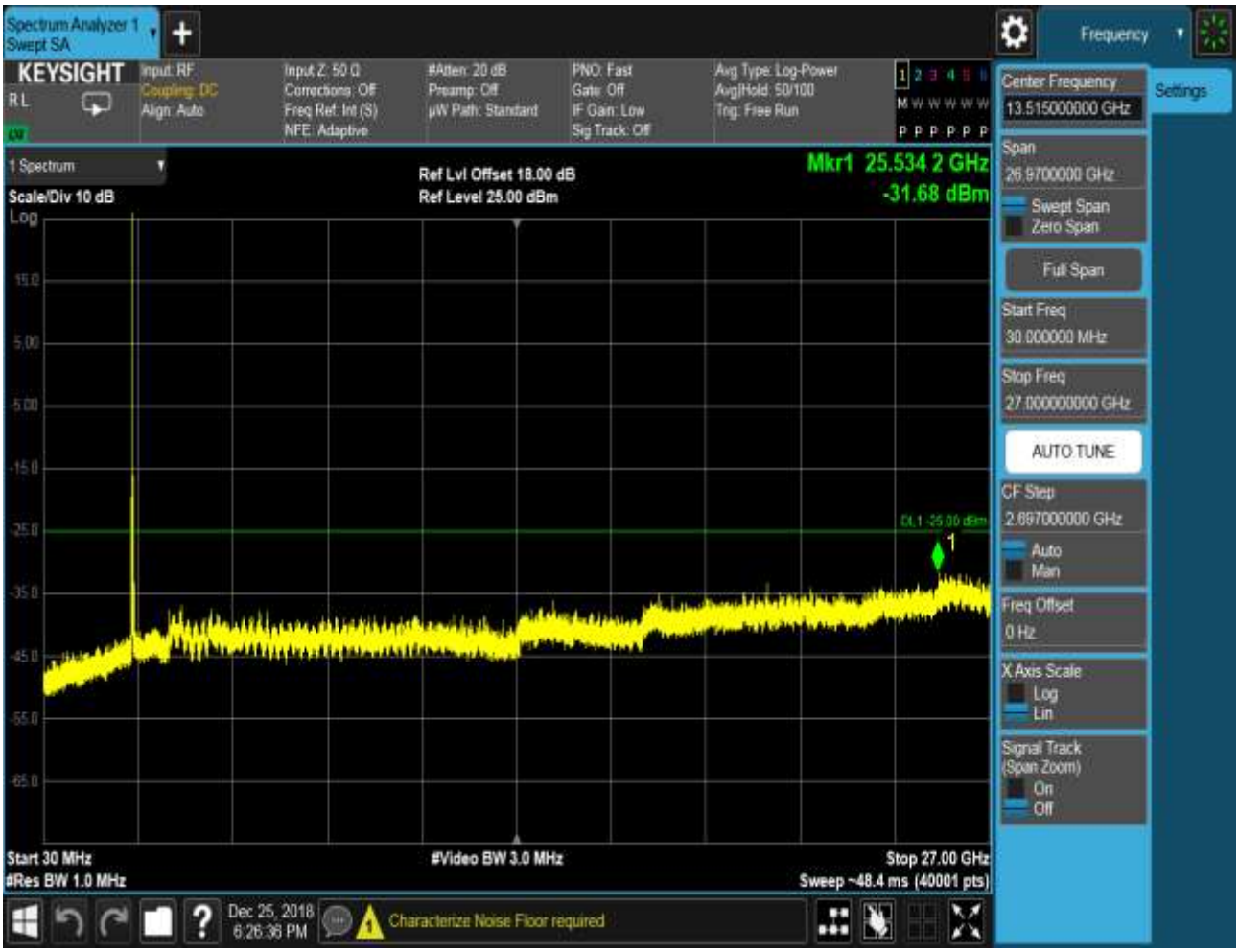
6.1.1 Test Band = CA_41C (2545-2655)

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 15+15

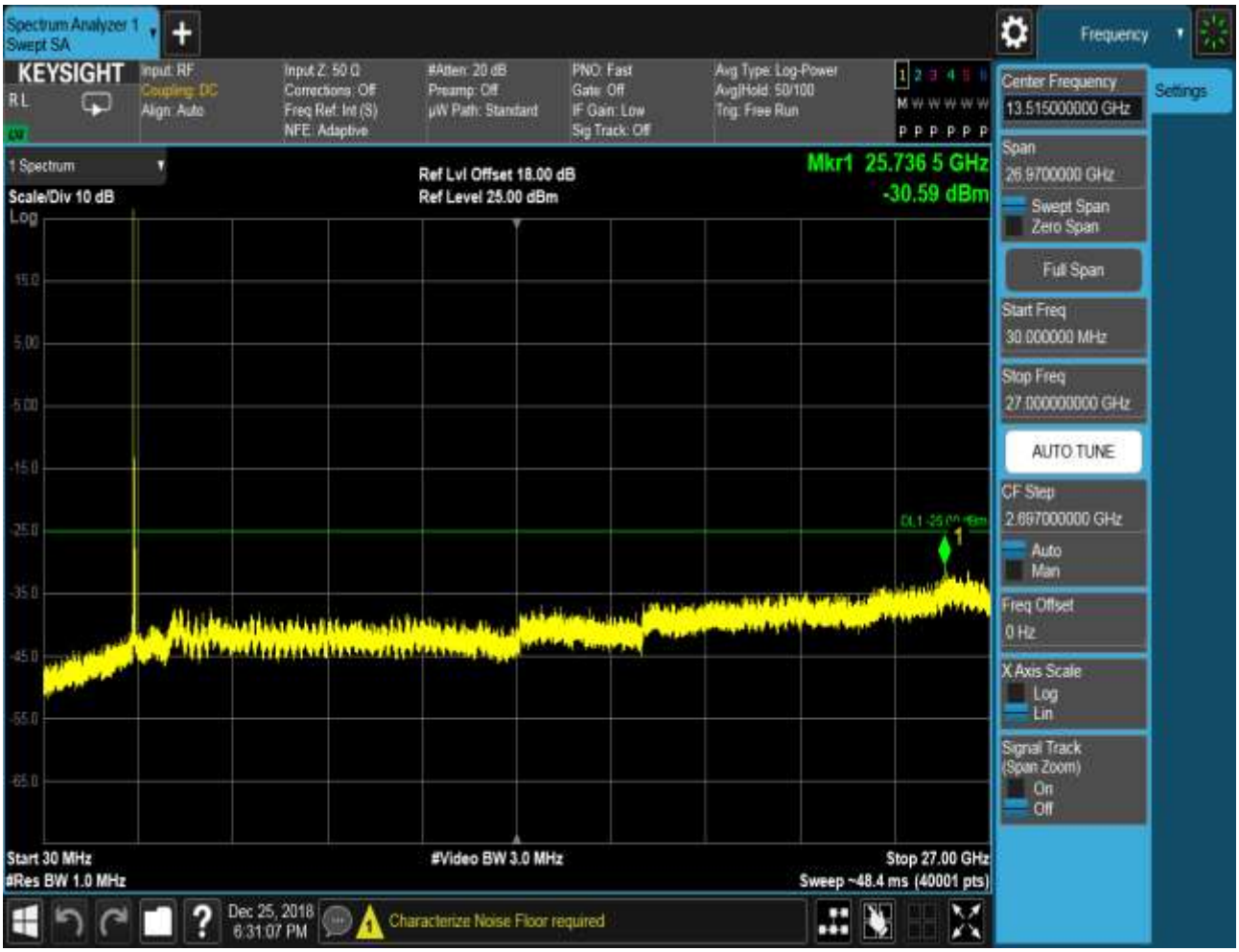
6.1.1.1.1.1 Test Channel = LCH

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



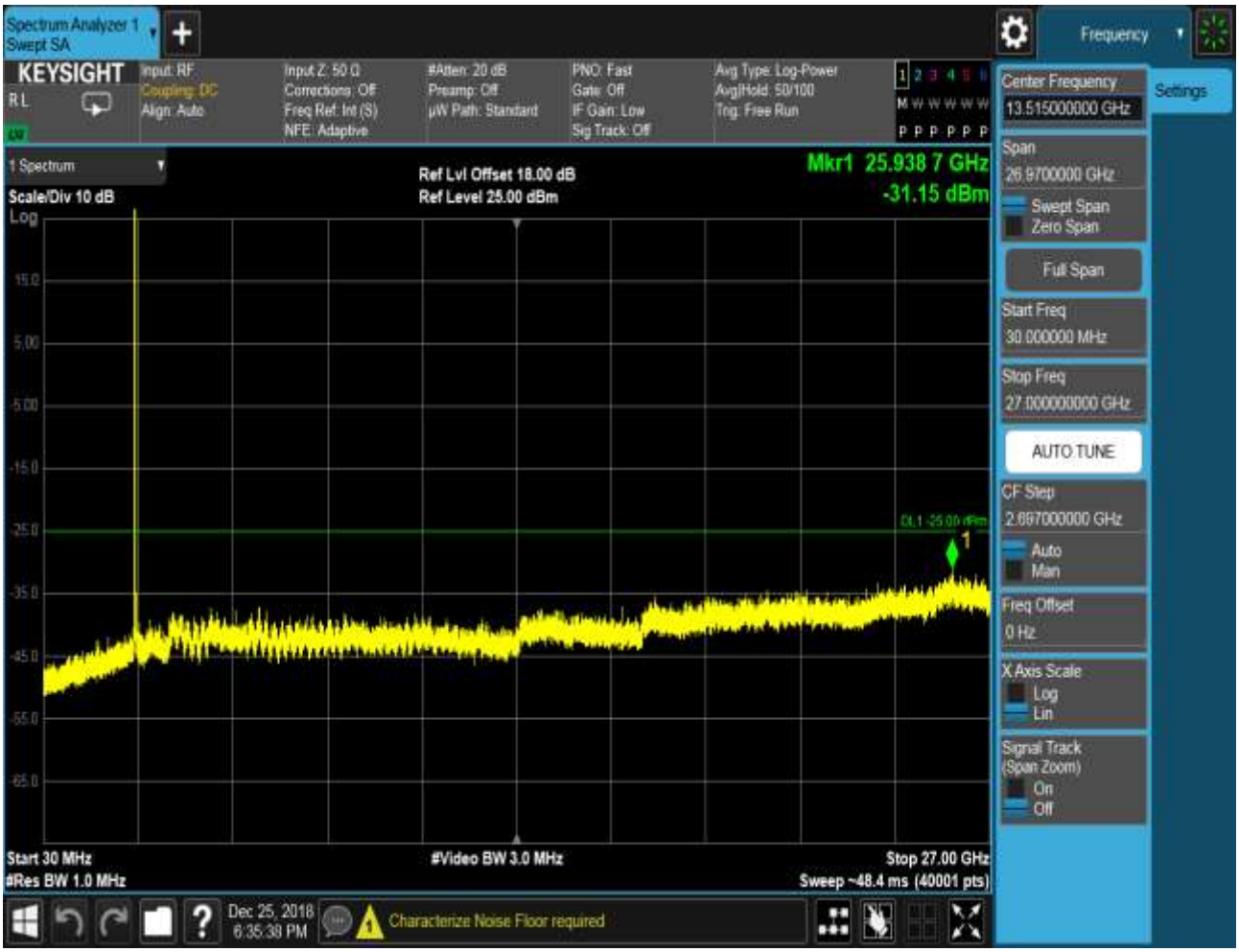
6.1.1.1.1.2 Test Channel = MCH

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

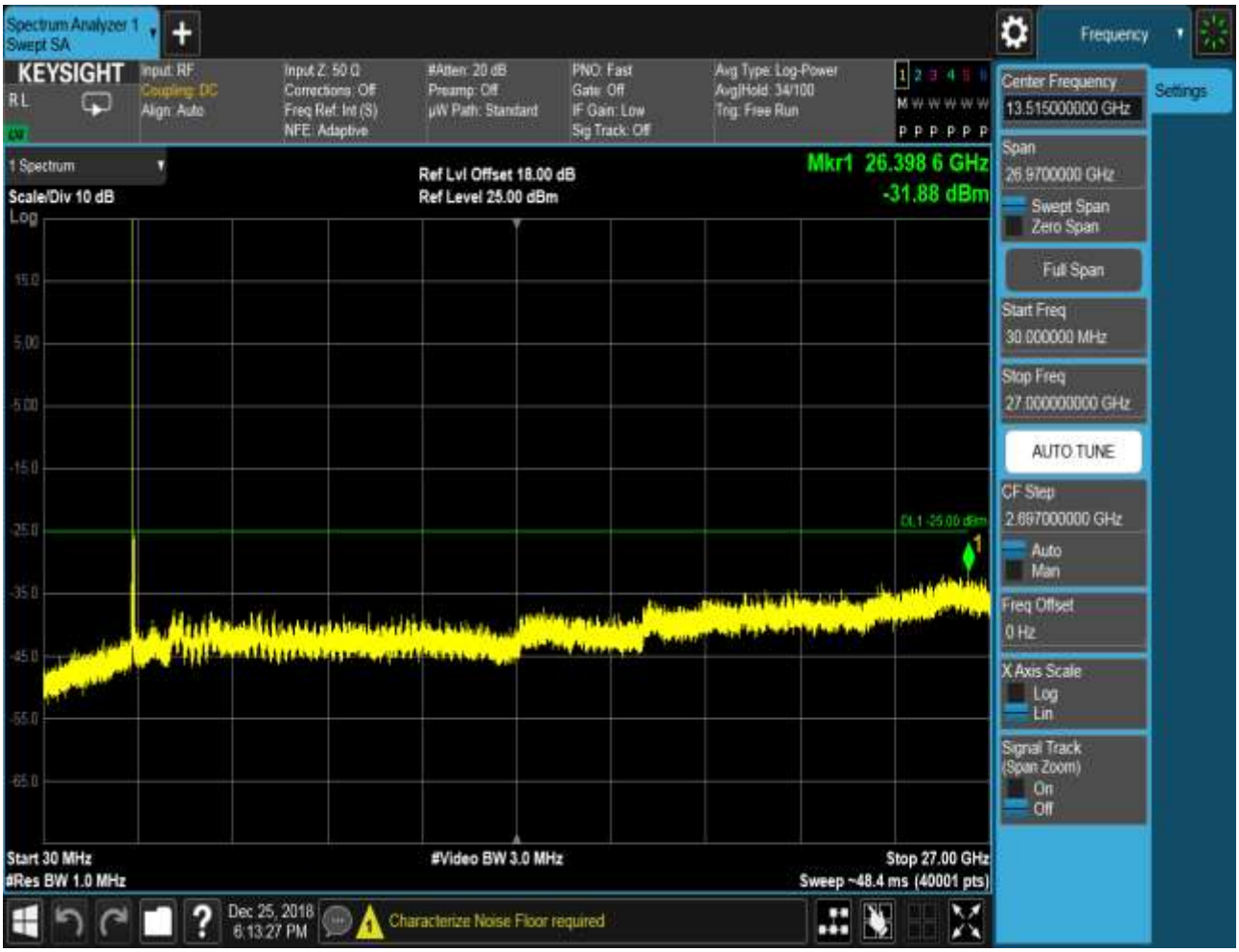
6.1.1.1.1.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



6.2.1.1.2 Test Bandwidth = 20+20

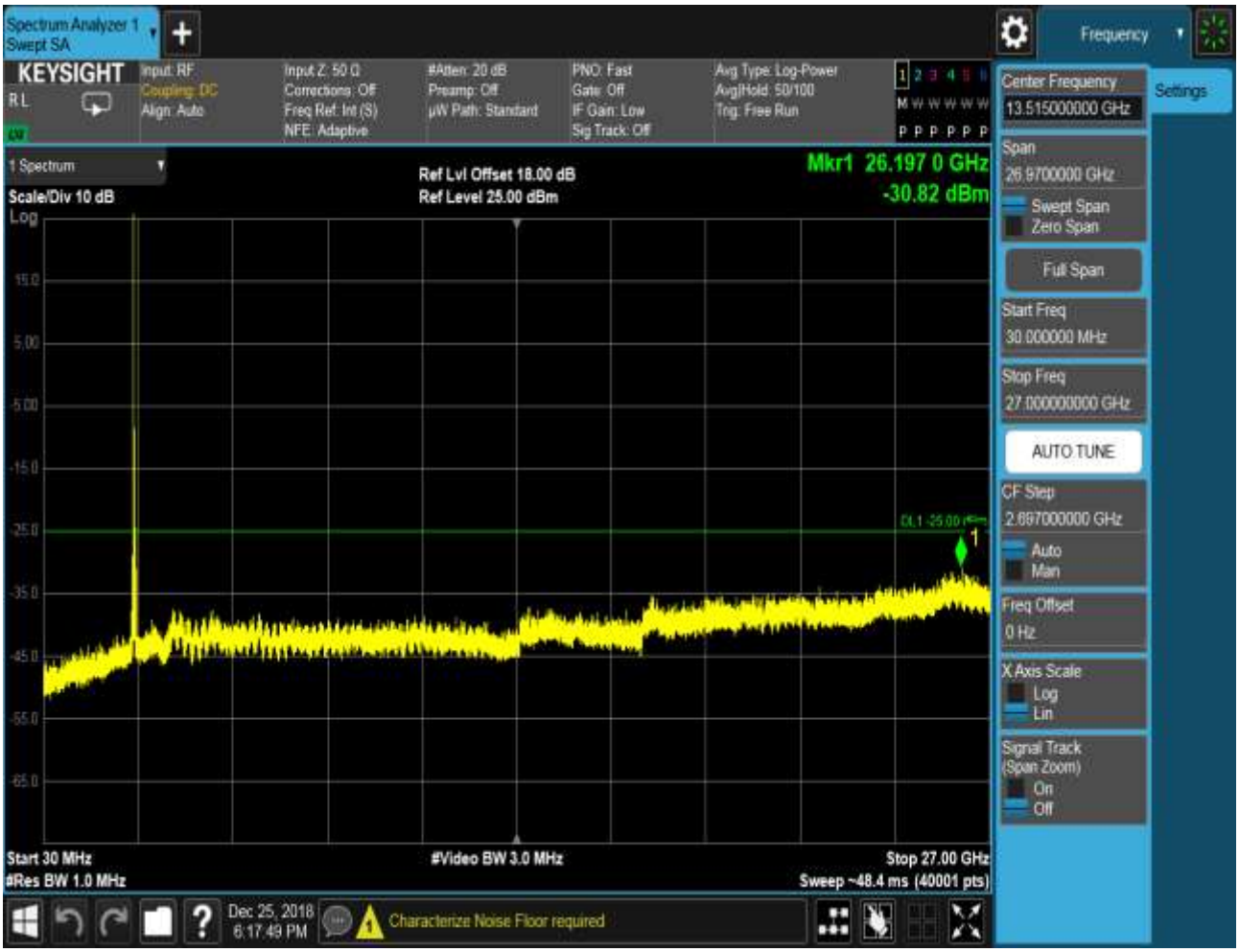
6.2.1.1.2.1 Test Channel = LCH

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



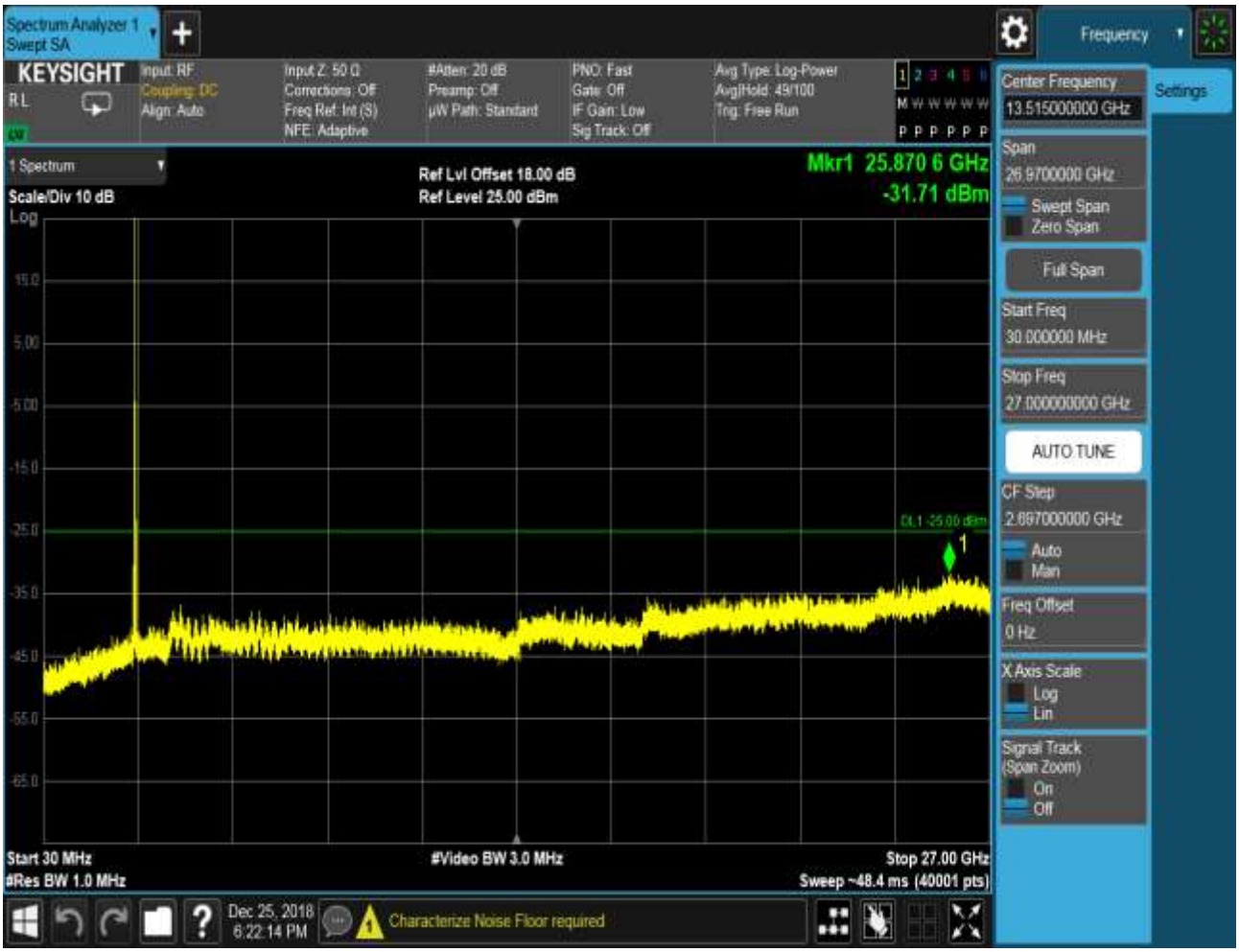
6.2.1.1.2.2 Test Channel = MCH

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

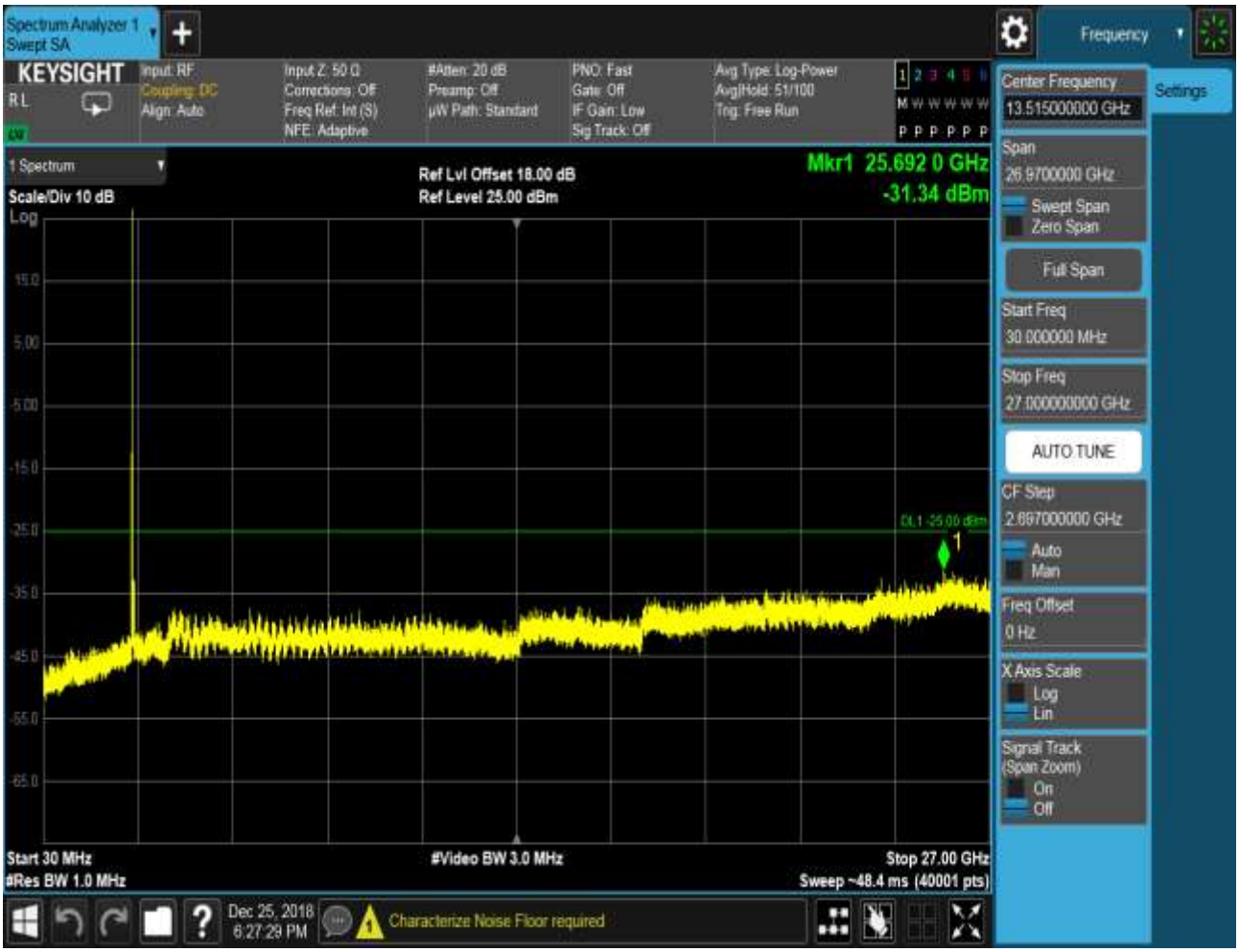


6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 15+15

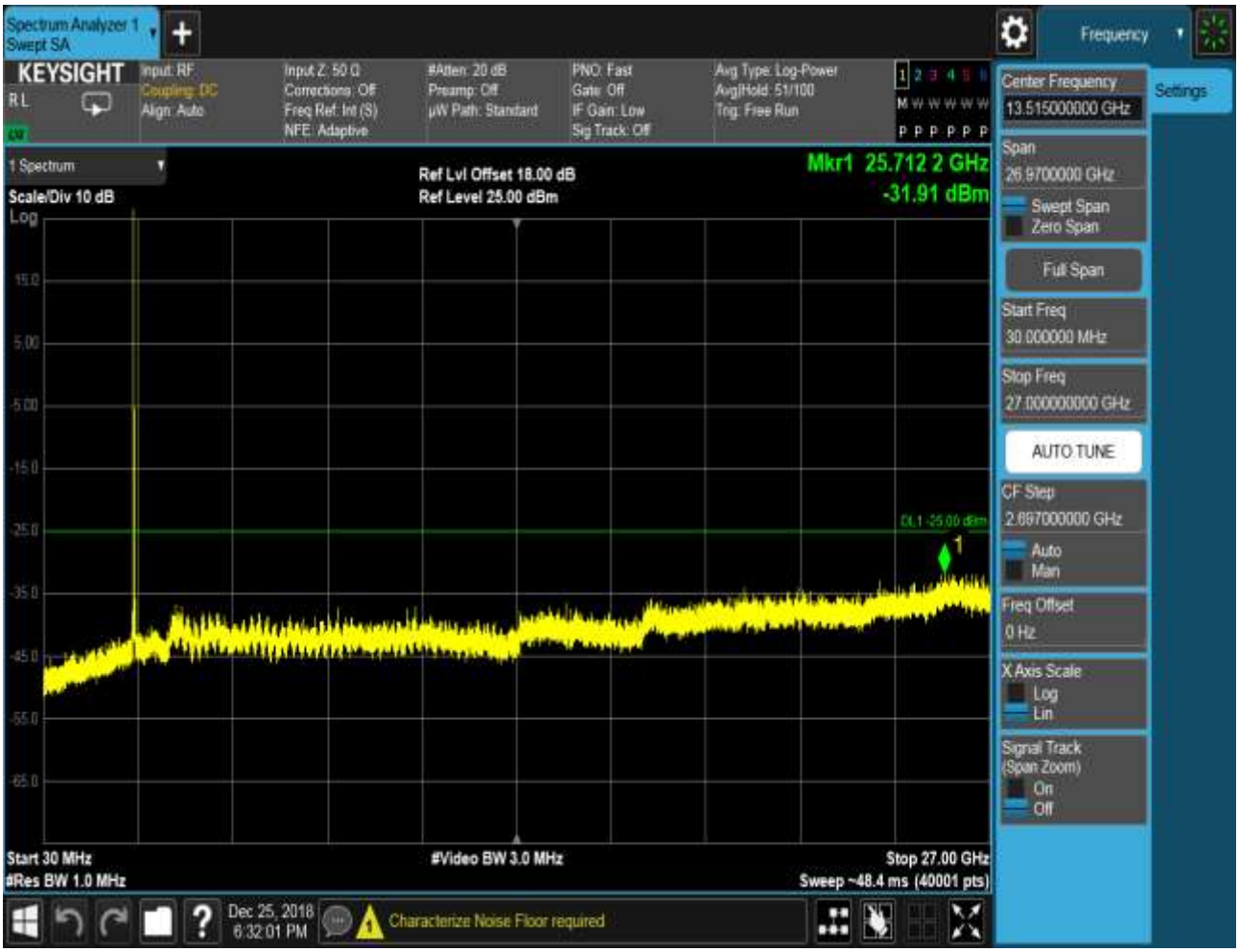
6.2.1.2.1.1 Test Channel = LCH

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



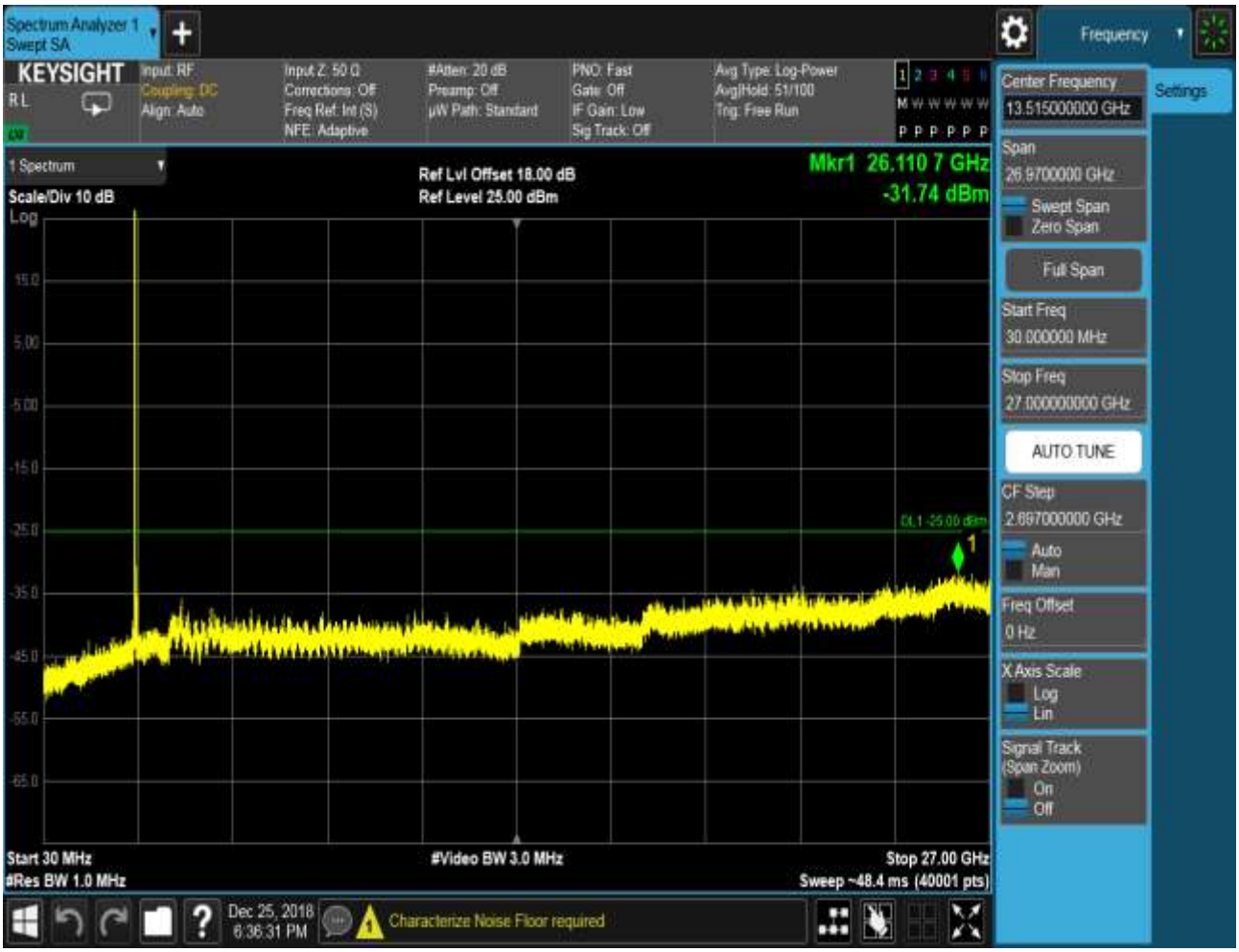
6.2.1.2.1.2 Test Channel = MCH

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



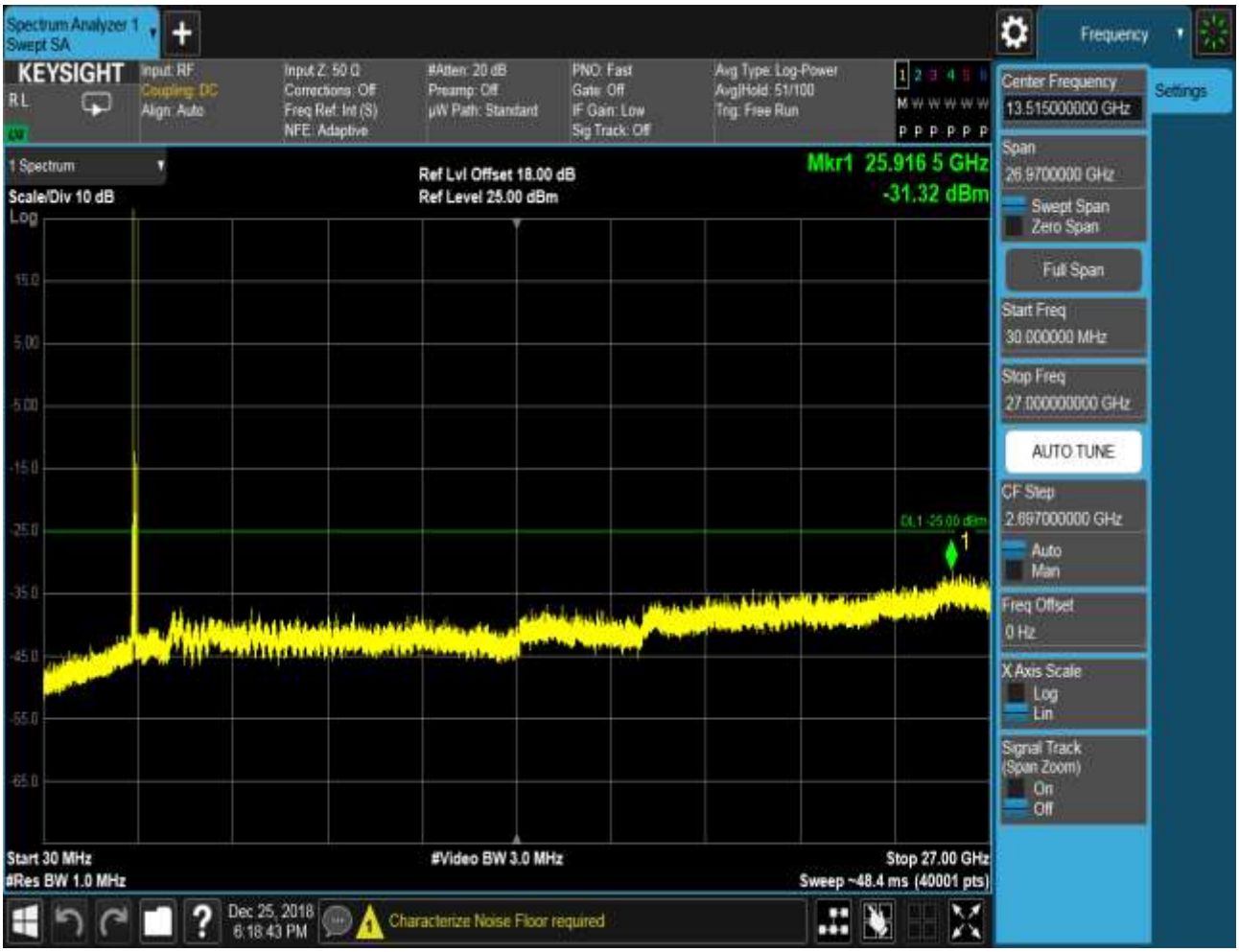
6.2.1.2.2 Test Bandwidth = 20+20

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

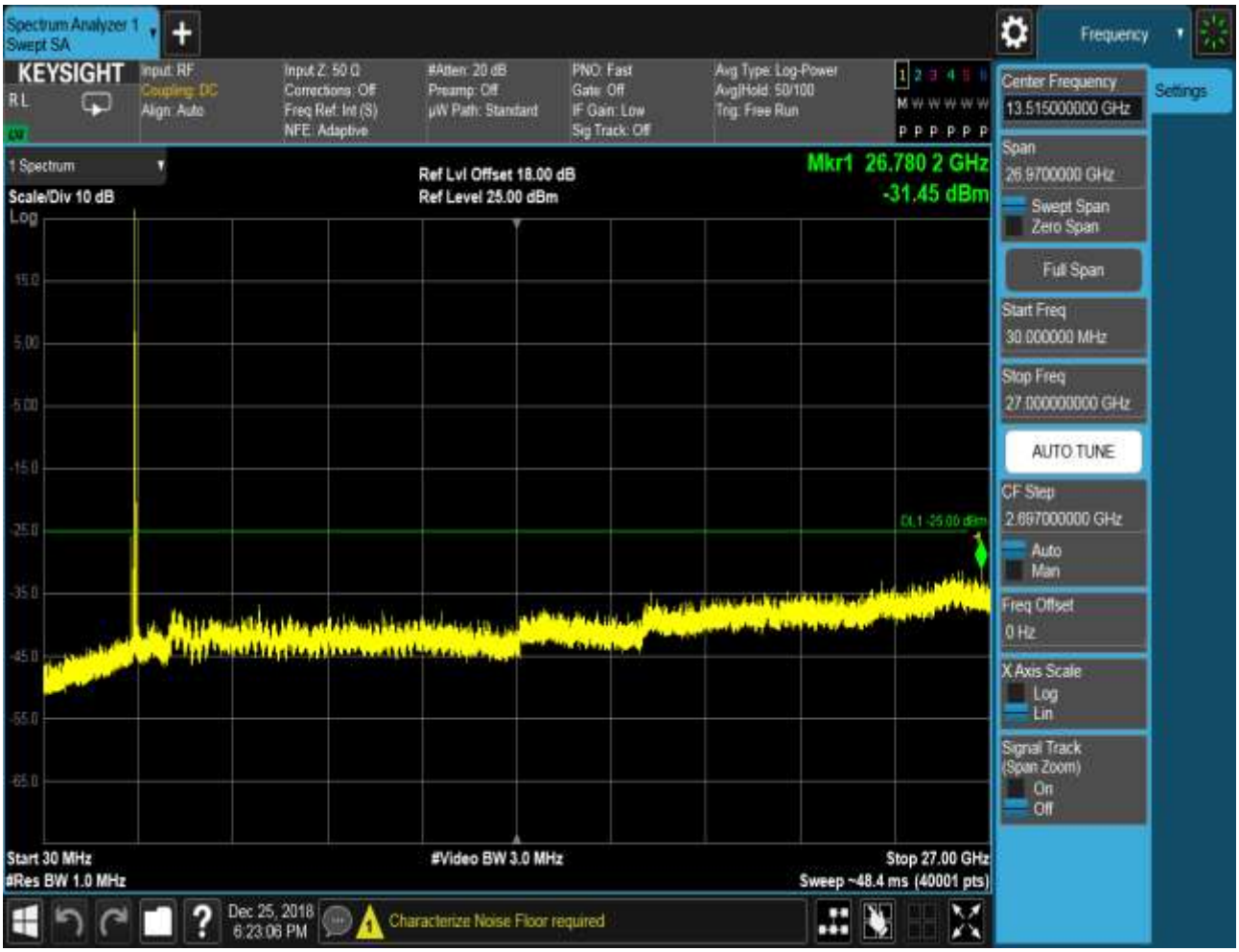
6.2.1.2.2.2 Test Channel = MCH

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

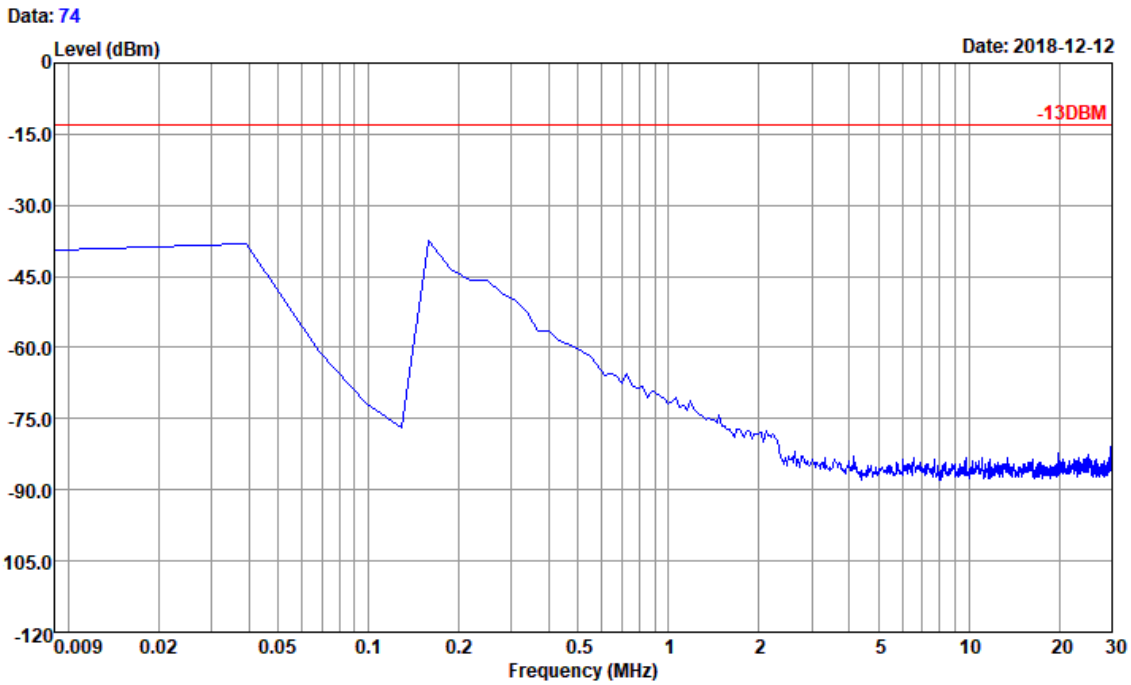
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

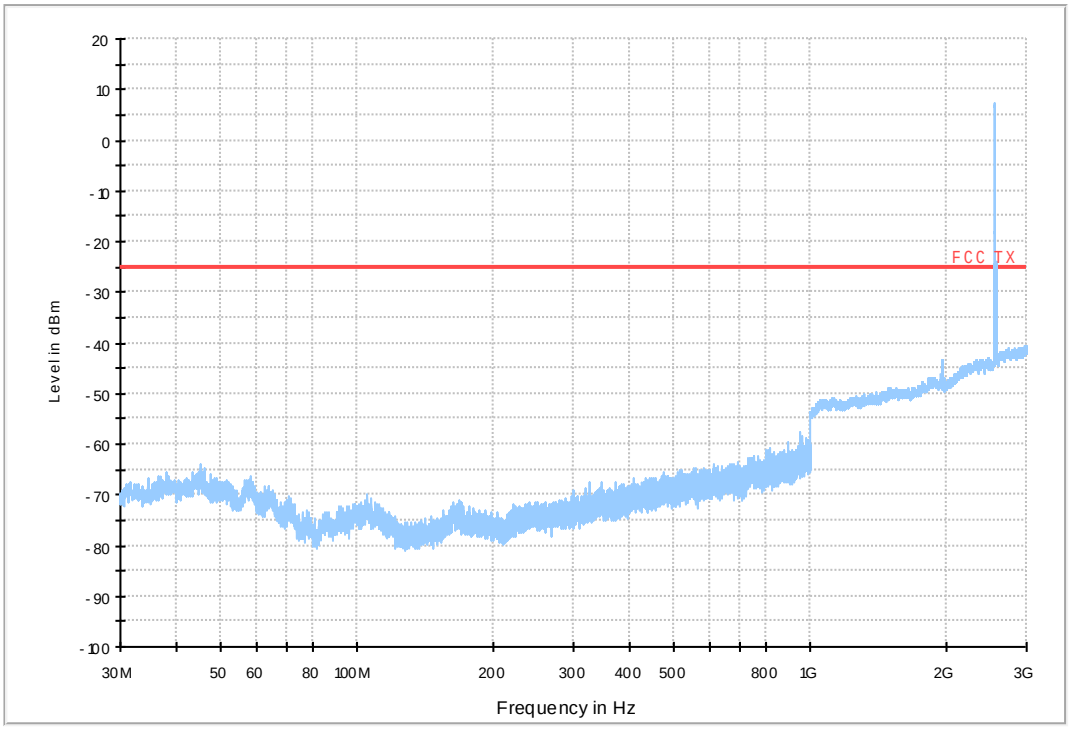
7.1.1 Test Band = CA_41C (2545-2655)_ANT1

7.1.1.1 Test Bandwidth = 15+15

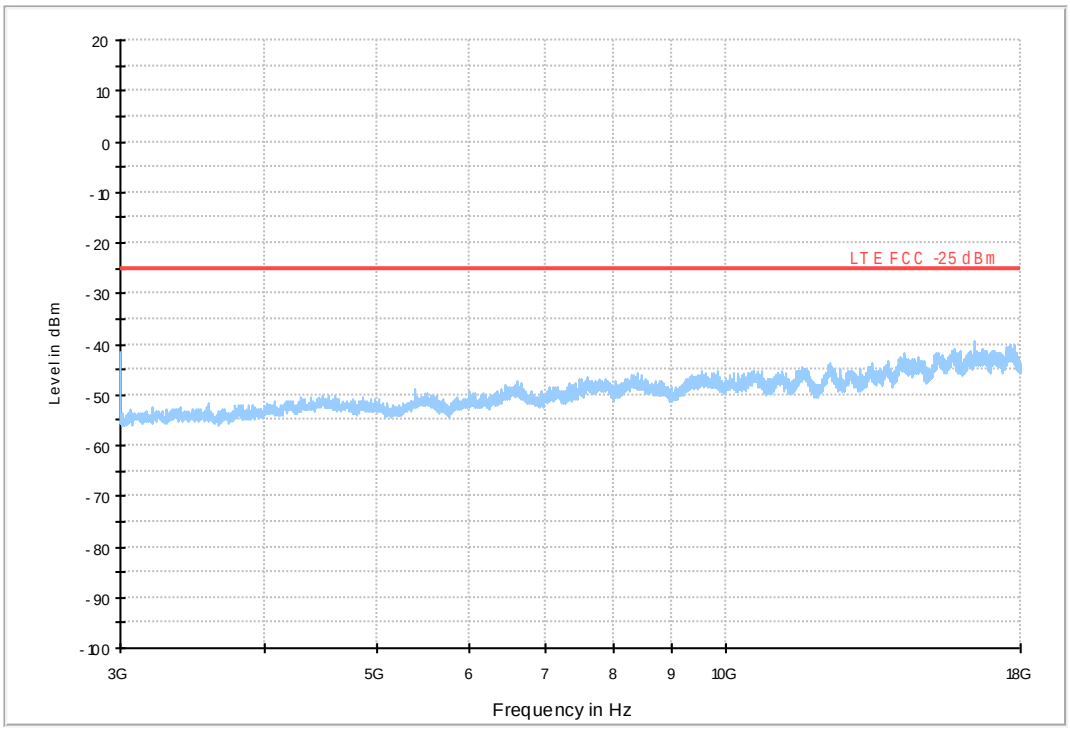


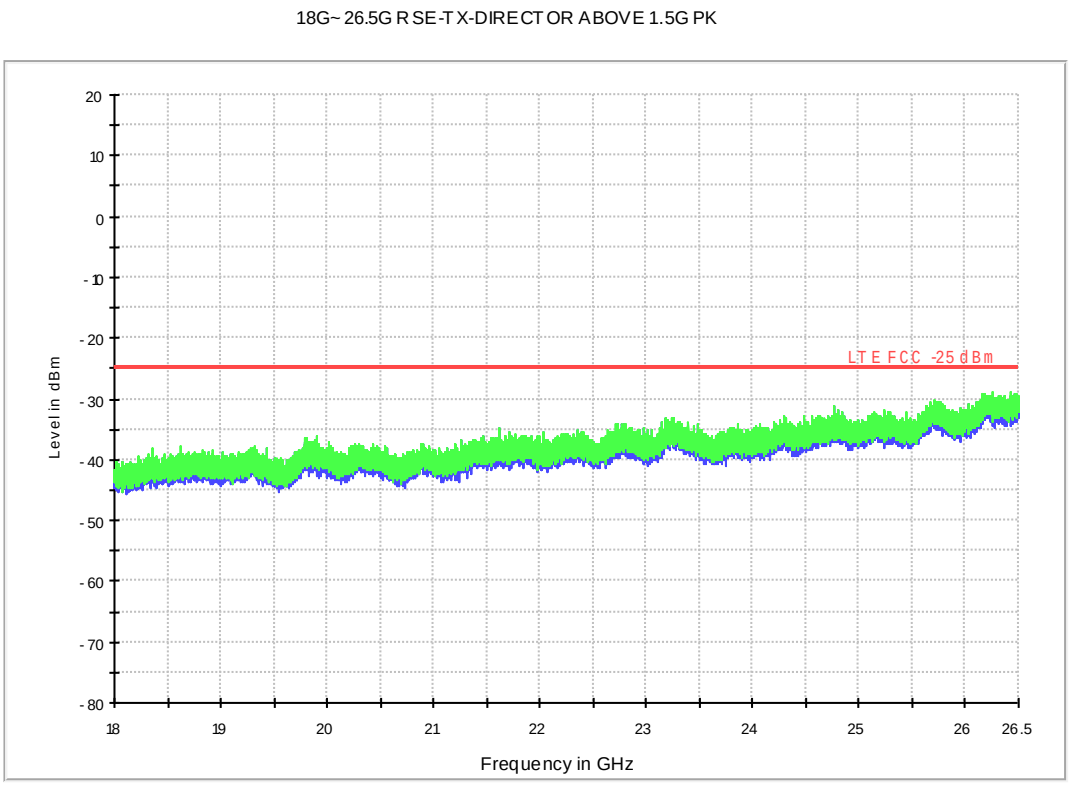
Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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

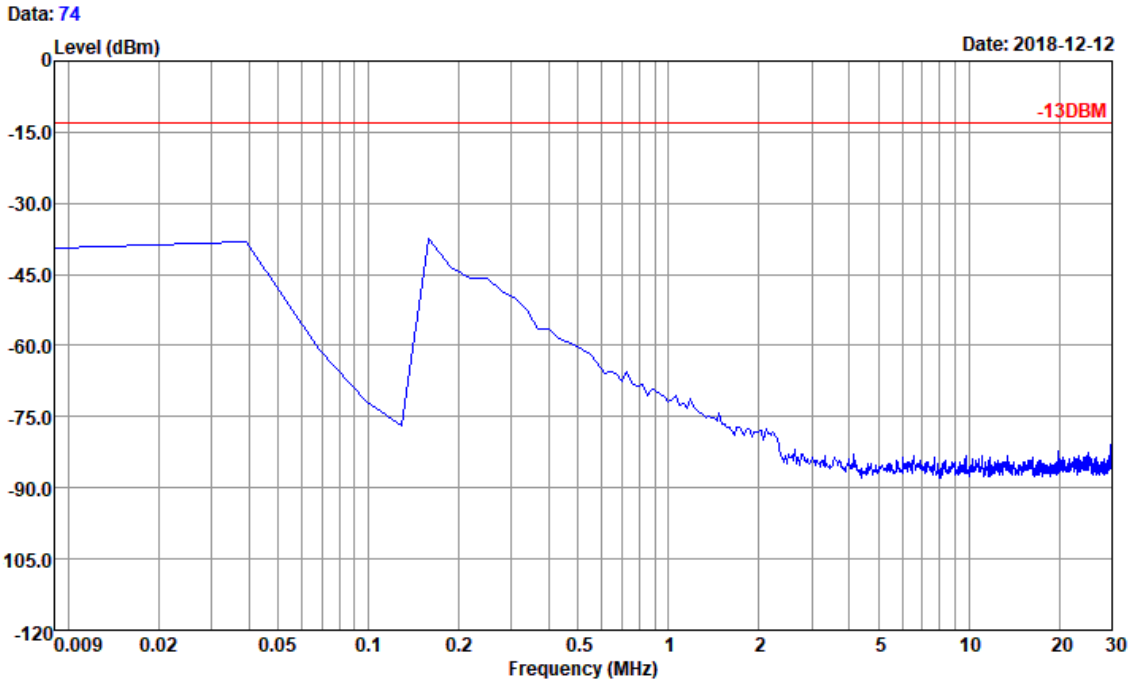


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



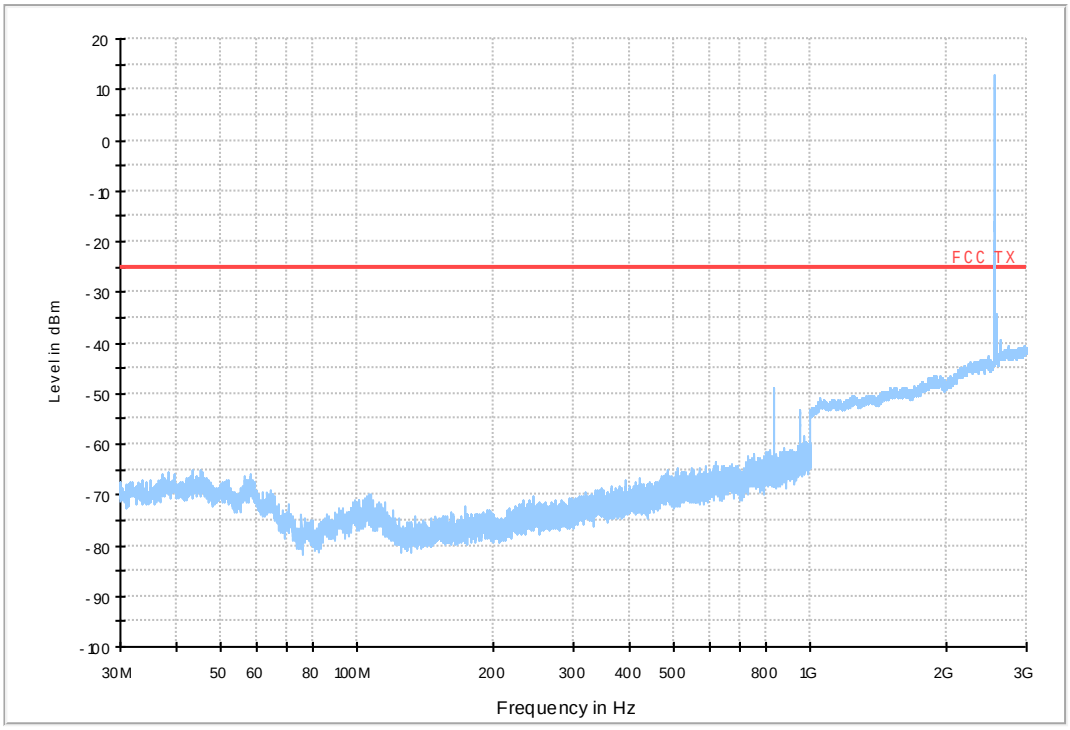


7.1.1.2 Test Bandwidth = 20+20

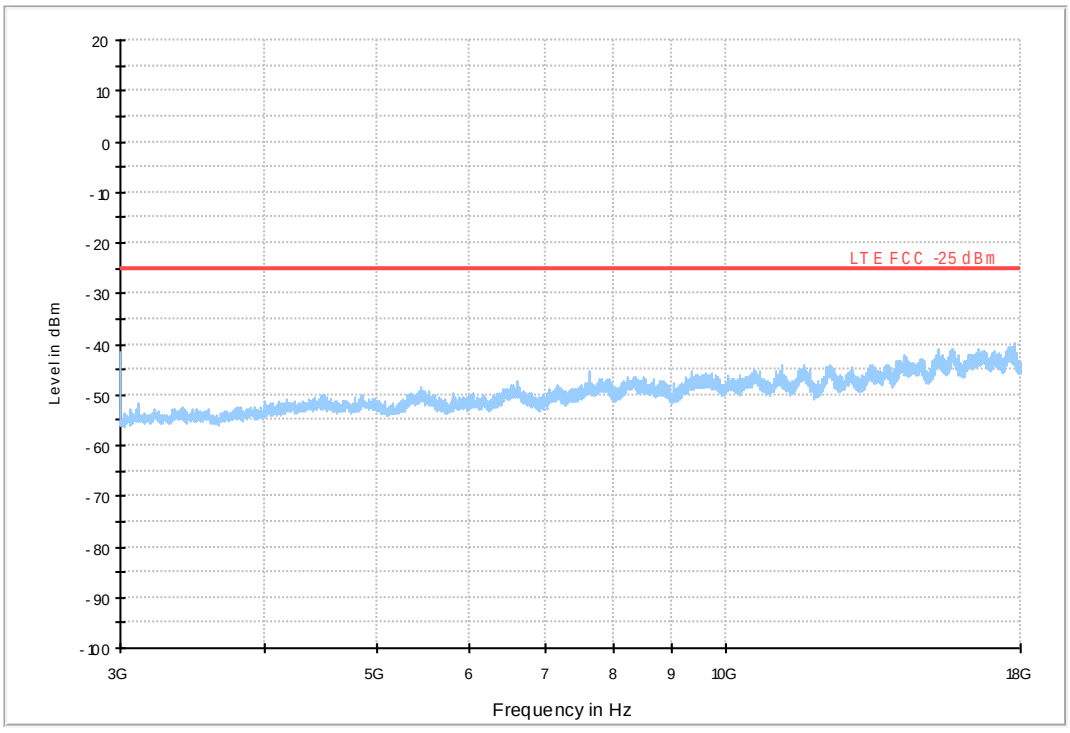


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

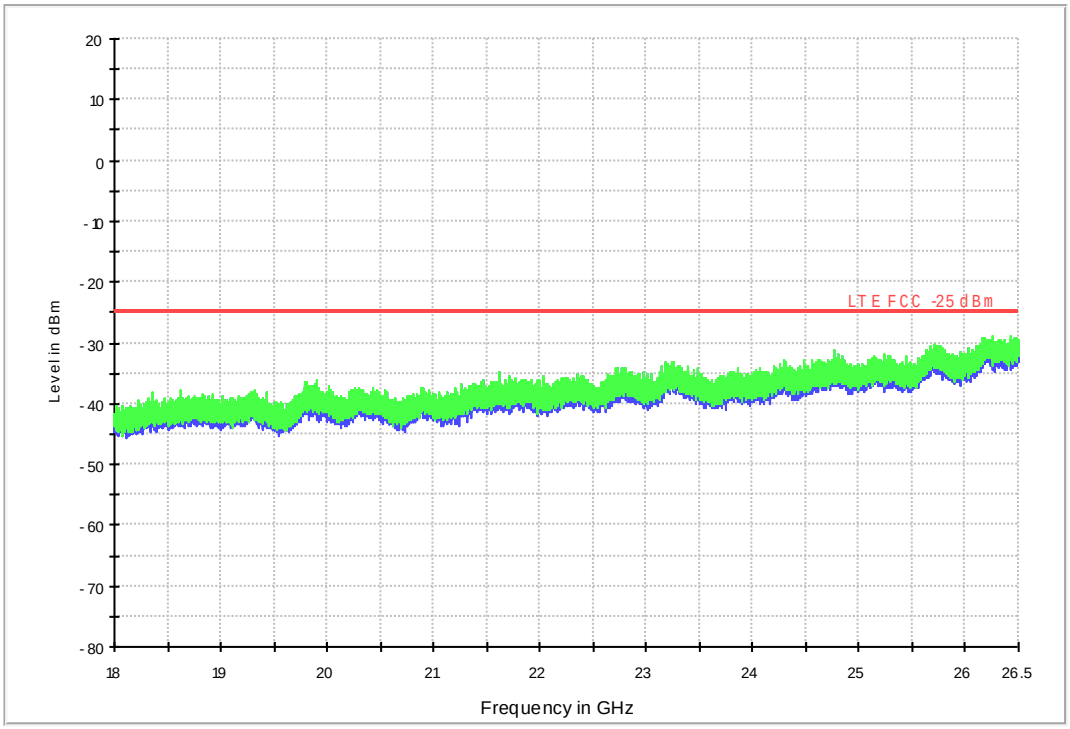
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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

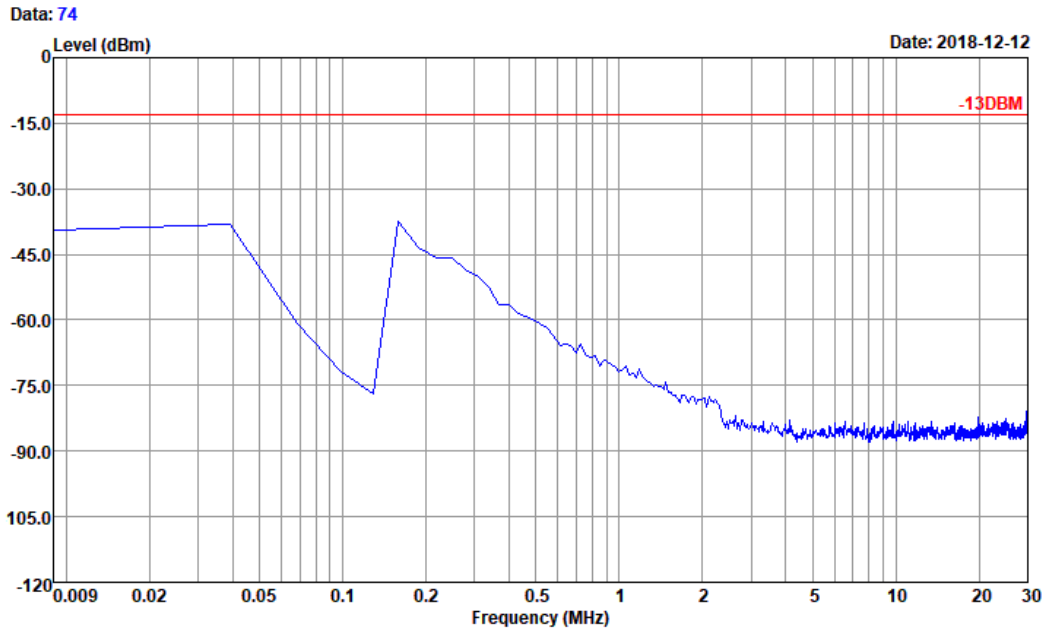


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



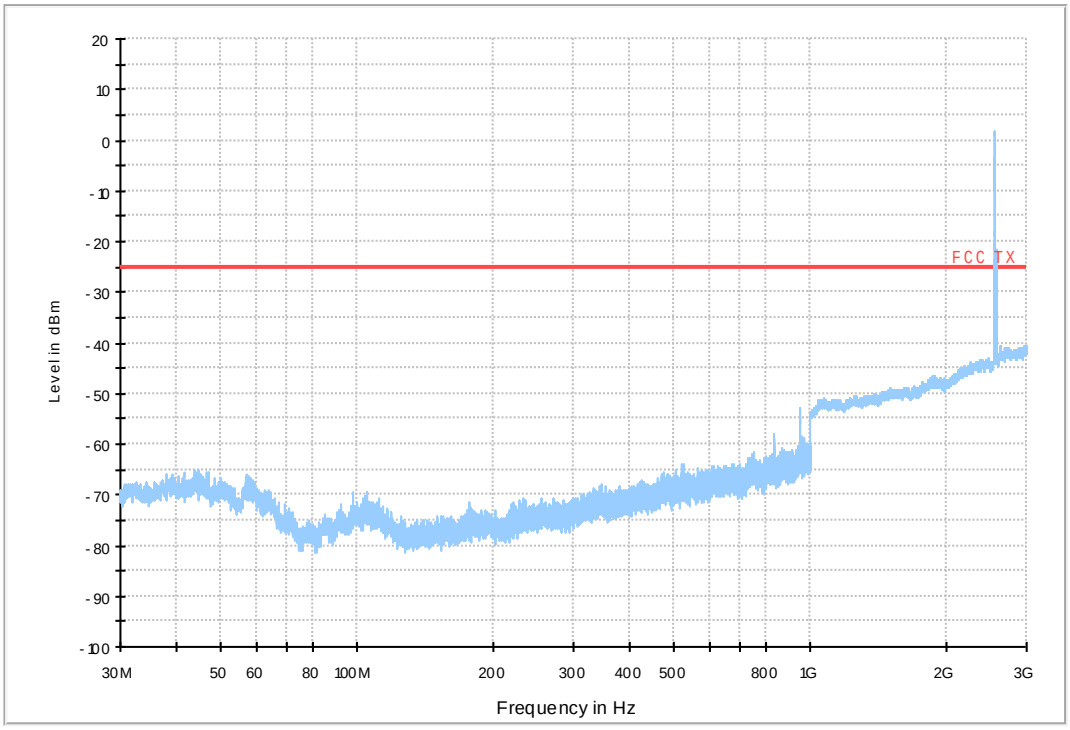
7.1.2 Test Band = CA_41C (2545-2655)_ANT2

7.1.2.1 Test Bandwidth = 15+15

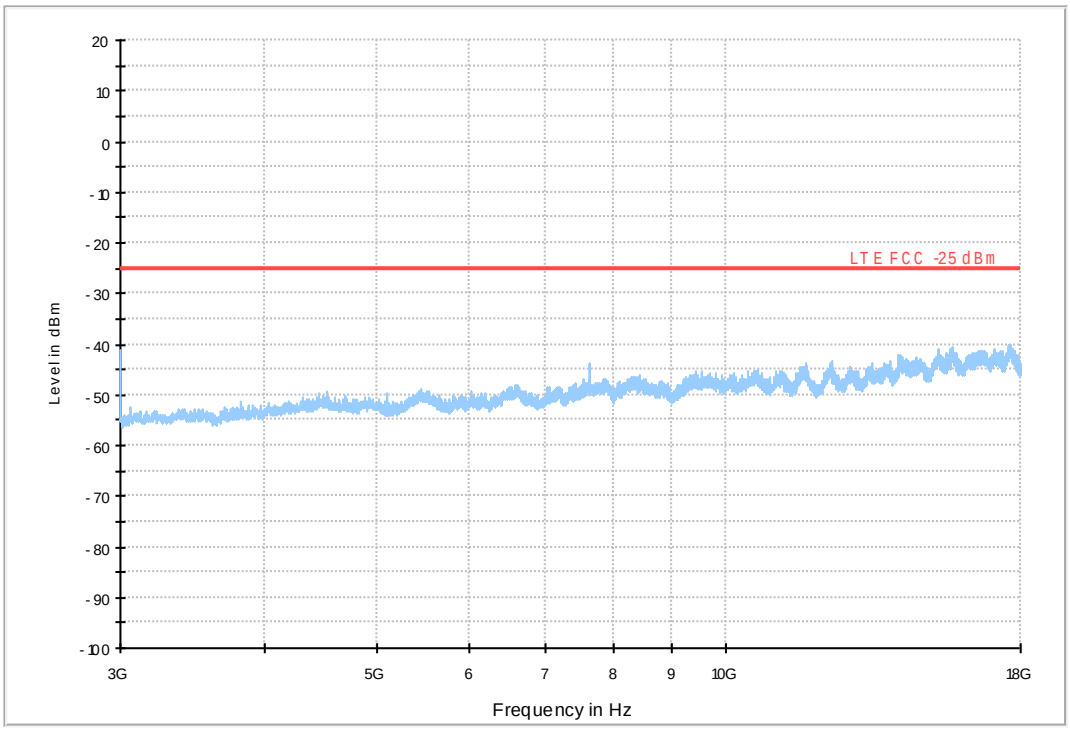


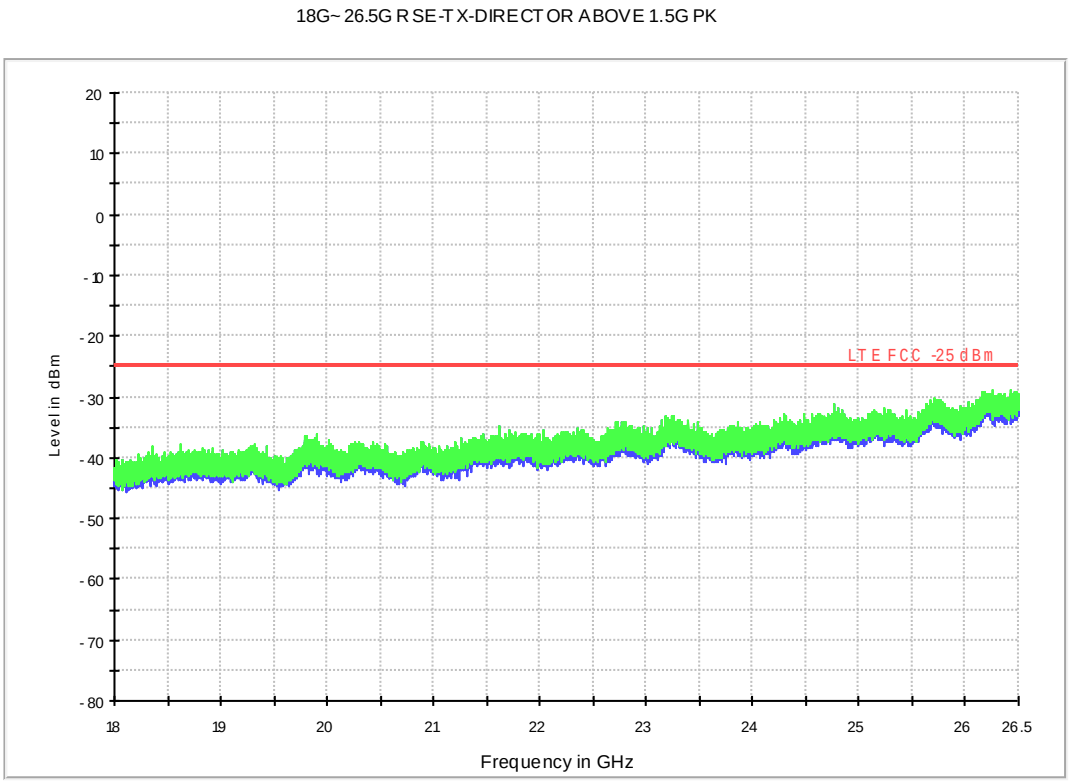
Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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

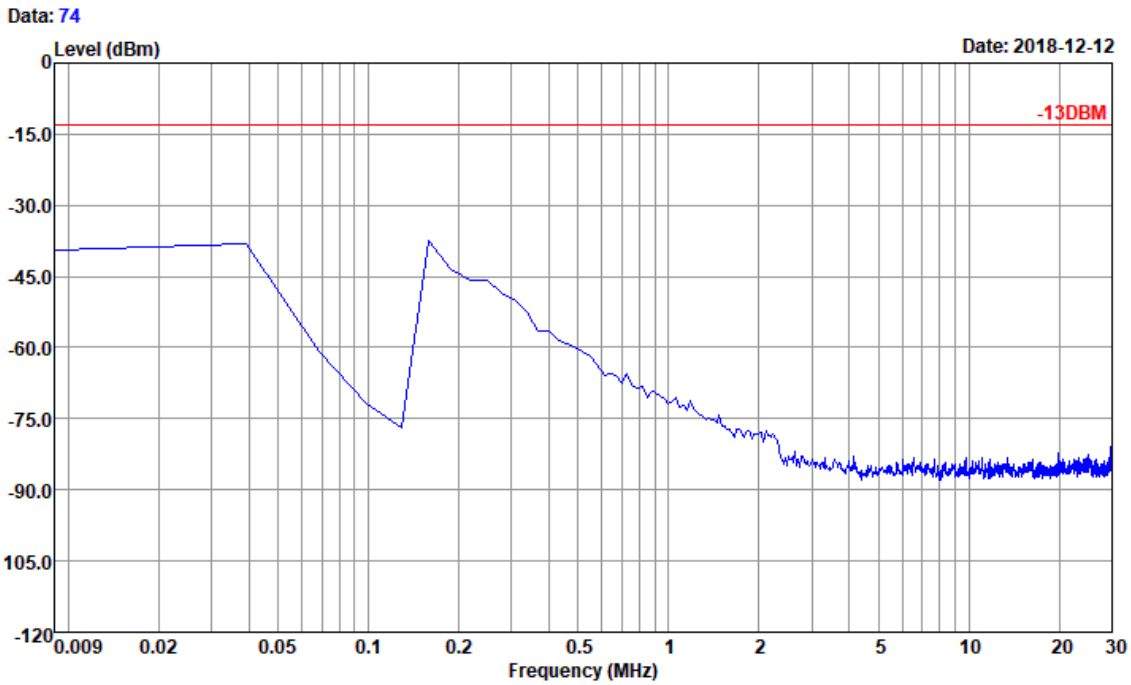


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



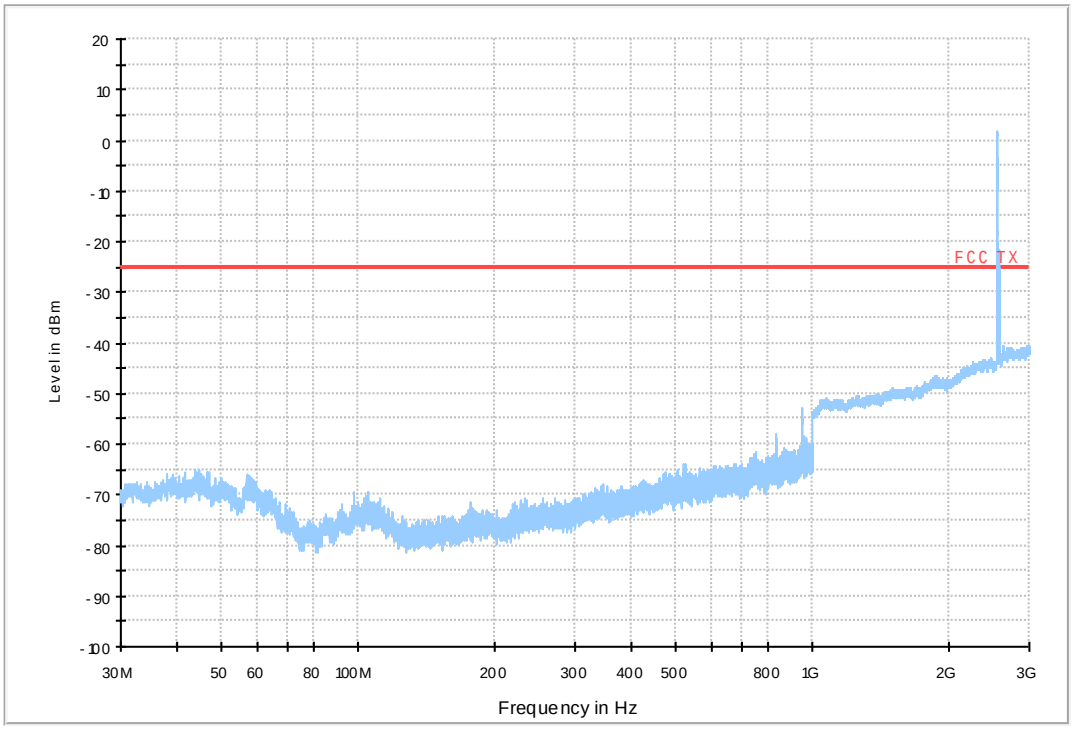


7.1.2.2 Test Bandwidth = 20+20

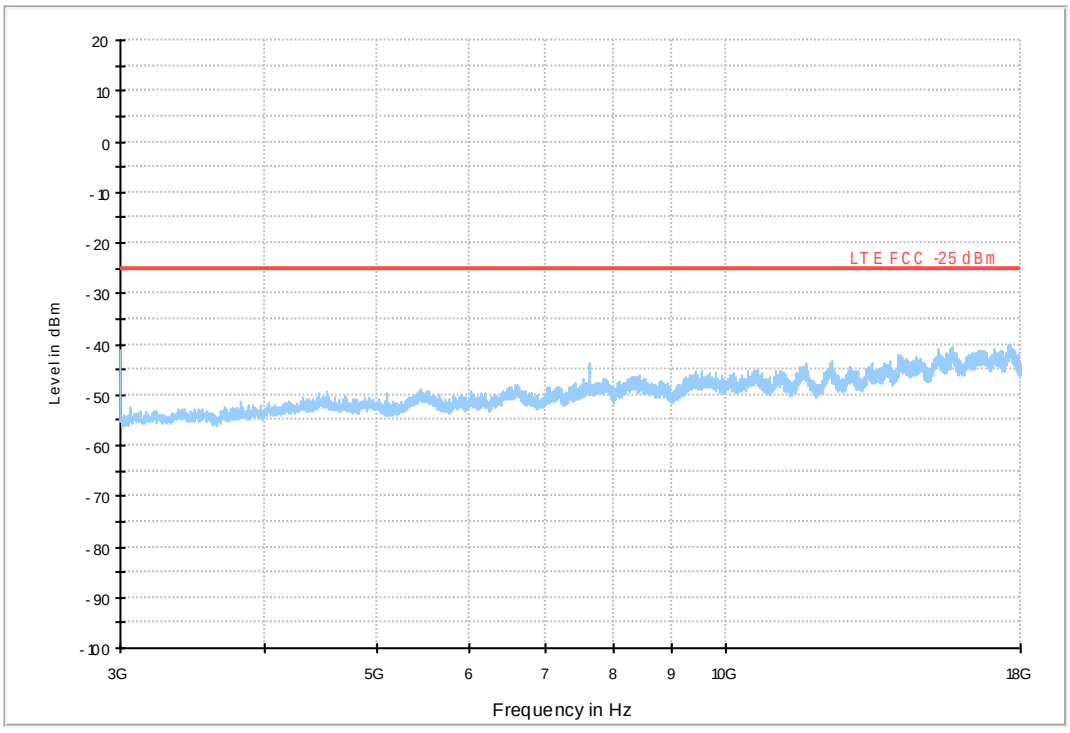


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

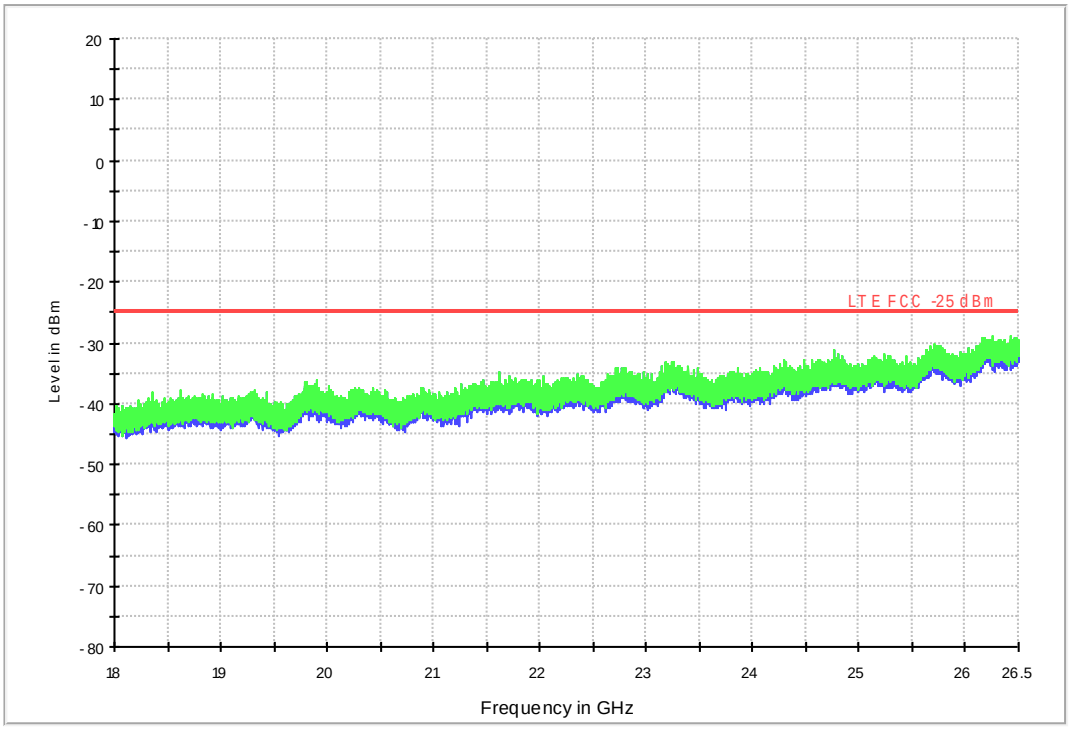
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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 (2545-2655)	LTE/TM1	15+15	LCH	TN	VL	-31.61000	-0.01238	PASS
					VN	-26.66000	-0.01044	PASS
					VH	-18.01000	-0.00706	PASS
			MCH	TN	VL	-30.73000	-0.01185	PASS
					VN	-27.79000	-0.01072	PASS
					VH	-20.53000	-0.00792	PASS
			HCH	TN	VL	-35.56000	-0.01351	PASS
					VN	-27.89000	-0.01059	PASS
					VH	-26.61000	-0.01011	PASS
		20+20	LCH	TN	VL	-32.46000	-0.01270	PASS
					VN	-23.07000	-0.00903	PASS
					VH	-28.25000	-0.01106	PASS
			MCH	TN	VL	-32.11000	-0.01240	PASS
					VN	-22.95000	-0.00886	PASS
					VH	-26.51000	-0.01024	PASS
			HCH	TN	VL	-34.63000	-0.01319	PASS
					VN	-23.16000	-0.00882	PASS
					VH	-29.35000	-0.01118	PASS
	LTE/TM2	15+15	LCH	TN	VL	-28.37000	-0.01111	PASS
					VN	-32.73000	-0.01282	PASS
					VH	-33.10000	-0.01297	PASS
			MCH	TN	VL	-31.39000	-0.01211	PASS
					VN	-36.98000	-0.01426	PASS
					VH	-31.24000	-0.01205	PASS
			HCH	TN	VL	-29.47000	-0.01119	PASS
					VN	-40.38000	-0.01534	PASS
					VH	-31.87000	-0.01211	PASS
		20+20	LCH	TN	VL	-32.17000	-0.01259	PASS
					VN	-34.36000	-0.01345	PASS
					VH	-34.82000	-0.01363	PASS
			MCH	TN	VL	-32.90000	-0.01270	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-36.91000	-0.01425	PASS
					VH	-40.05000	-0.01546	PASS
			HCH	TN	VL	-33.33000	-0.01270	PASS
					VN	-34.76000	-0.01324	PASS
					VH	-35.62000	-0.01357	PASS

8.1.2Frequency 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 (2545-2655)	LTE/TM1	15+15	LCH	VN	-30	-21.93000	-0.00859	PASS
					-20	-22.17000	-0.00869	PASS
					-10	-22.80000	-0.00893	PASS
					0	-22.24000	-0.00871	PASS
					10	-23.75000	-0.00930	PASS
					20	-26.66000	-0.01044	PASS
					30	-21.31000	-0.00835	PASS
					40	-23.88000	-0.00936	PASS
					50	-25.35000	-0.00993	PASS
			MCH	VN	-30	-28.14000	-0.01085	PASS
					-20	-29.91000	-0.01154	PASS
					-10	-23.73000	-0.00915	PASS
					0	-33.02000	-0.01274	PASS
					10	-26.38000	-0.01018	PASS
					20	-27.79000	-0.01072	PASS
					30	-25.62000	-0.00988	PASS
					40	-26.45000	-0.01020	PASS
					50	-24.13000	-0.00931	PASS
			HCH	VN	-30	-27.11000	-0.01030	PASS
					-20	-25.51000	-0.00969	PASS
					-10	-23.17000	-0.00880	PASS
					0	-26.99000	-0.01025	PASS
					10	-22.79000	-0.00866	PASS
					20	-27.89000	-0.01059	PASS
					30	-22.96000	-0.00872	PASS
					40	-28.10000	-0.01067	PASS
					50	-21.29000	-0.00809	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			LCH	VN	-30	-22.06000	-0.00863	PASS
					-20	-27.19000	-0.01064	PASS
					-10	-25.69000	-0.01005	PASS
					0	-20.00000	-0.00783	PASS
					10	-24.56000	-0.00961	PASS
					20	-23.07000	-0.00903	PASS
					30	-33.20000	-0.01299	PASS
					40	-27.12000	-0.01061	PASS
					50	-26.19000	-0.01025	PASS
			MCH	VN	-30	-22.77000	-0.00879	PASS
					-20	-34.76000	-0.01342	PASS
					-10	-23.95000	-0.00925	PASS
					0	-31.26000	-0.01207	PASS
		20+20			10	-27.64000	-0.01067	PASS
					20	-22.95000	-0.00886	PASS
					30	-30.88000	-0.01192	PASS
					40	-26.26000	-0.01014	PASS
					50	-25.76000	-0.00995	PASS
			HCH	VN	-30	-22.14000	-0.00843	PASS
					-20	-22.02000	-0.00839	PASS
					-10	-28.40000	-0.01082	PASS
					0	-24.35000	-0.00928	PASS
					10	-29.84000	-0.01137	PASS
					20	-23.16000	-0.00882	PASS
					30	-23.20000	-0.00884	PASS
					40	-23.79000	-0.00906	PASS
					50	-27.45000	-0.01046	PASS
	LTE/TM2	15+15	LCH	VN	-30	-31.33000	-0.01227	PASS
					-20	-31.67000	-0.01241	PASS
					-10	-33.87000	-0.01327	PASS
					0	-30.66000	-0.01201	PASS
					10	-32.00000	-0.01254	PASS
					20	-32.73000	-0.01282	PASS
					30	-31.40000	-0.01230	PASS
					40	-30.37000	-0.01190	PASS
					50	-35.48000	-0.01390	PASS
			MCH	VN	-30	-36.02000	-0.01389	PASS
					-20	-33.50000	-0.01292	PASS
					-10	-36.59000	-0.01411	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-39.60000	-0.01527	PASS
					10	-36.54000	-0.01409	PASS
					20	-36.98000	-0.01426	PASS
					30	-36.91000	-0.01424	PASS
					40	-39.77000	-0.01534	PASS
					50	-36.85000	-0.01421	PASS
			HCH	VN	-30	-36.22000	-0.01376	PASS
					-20	-35.00000	-0.01330	PASS
					-10	-31.51000	-0.01197	PASS
					0	-39.54000	-0.01502	PASS
					10	-39.11000	-0.01486	PASS
					20	-40.38000	-0.01534	PASS
					30	-37.18000	-0.01412	PASS
					40	-38.48000	-0.01462	PASS
					50	-32.90000	-0.01250	PASS
		20+20	LCH	VN	-30	-33.23000	-0.01301	PASS
					-20	-34.12000	-0.01335	PASS
					-10	-39.18000	-0.01533	PASS
					0	-31.44000	-0.01231	PASS
					10	-38.67000	-0.01514	PASS
					20	-34.36000	-0.01345	PASS
					30	-45.05000	-0.01763	PASS
					40	-37.16000	-0.01454	PASS
					50	-35.13000	-0.01375	PASS
			MCH	VN	-30	-34.43000	-0.01329	PASS
					-20	-42.16000	-0.01628	PASS
					-10	-41.07000	-0.01586	PASS
					0	-44.66000	-0.01724	PASS
					10	-37.61000	-0.01452	PASS
					20	-36.91000	-0.01425	PASS
					30	-39.07000	-0.01508	PASS
					40	-44.55000	-0.01720	PASS
					50	-39.00000	-0.01506	PASS
			HCH	VN	-30	-33.95000	-0.01293	PASS
					-20	-36.03000	-0.01372	PASS
					-10	-36.88000	-0.01405	PASS
					0	-34.28000	-0.01306	PASS
					10	-41.56000	-0.01583	PASS
					20	-34.76000	-0.01324	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-32.59000	-0.01241	PASS
					40	-31.76000	-0.01210	PASS
					50	-36.74000	-0.01400	PASS

END