



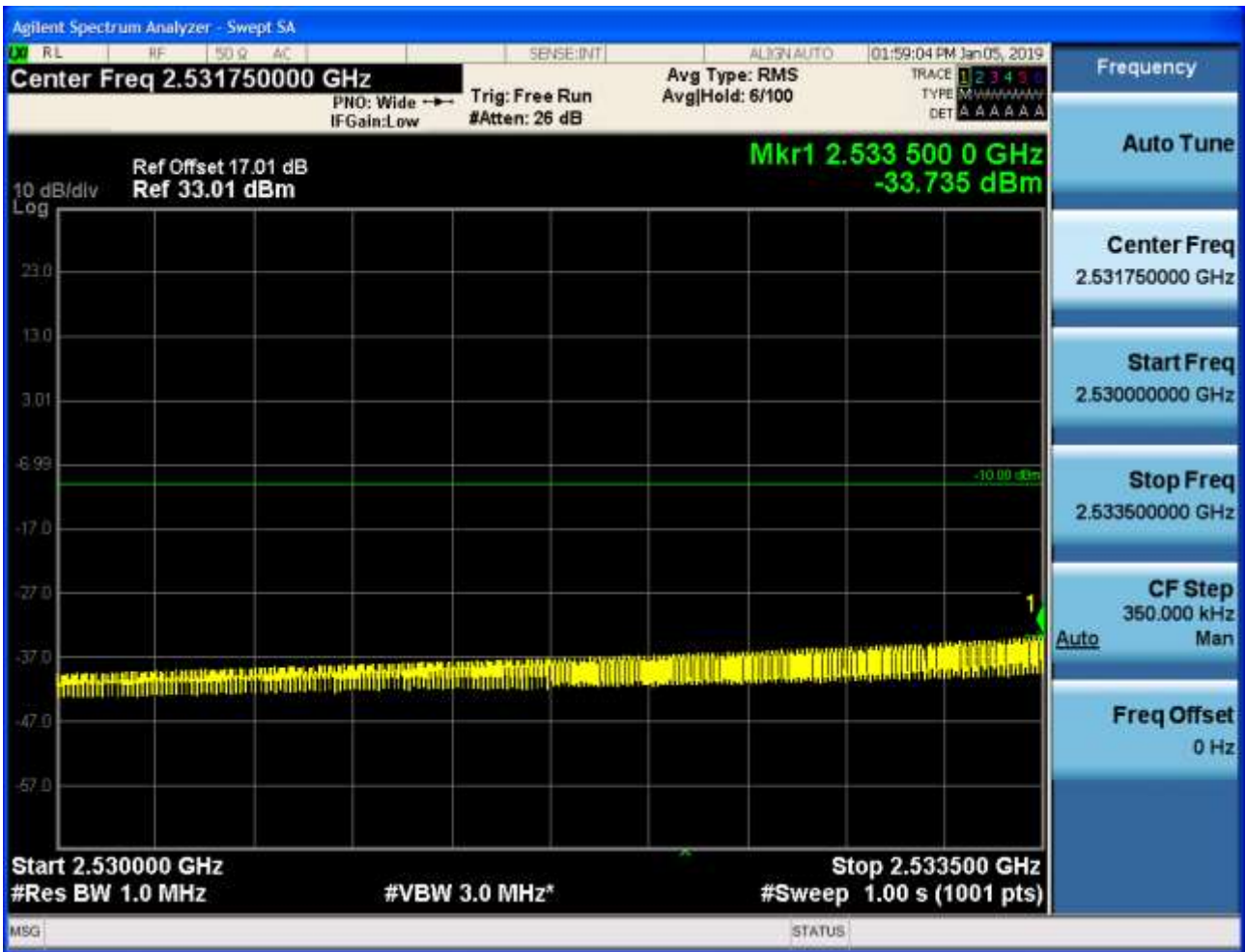


5.1.1.2.2 Test Bandwidth = 20MHz+20MHz

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

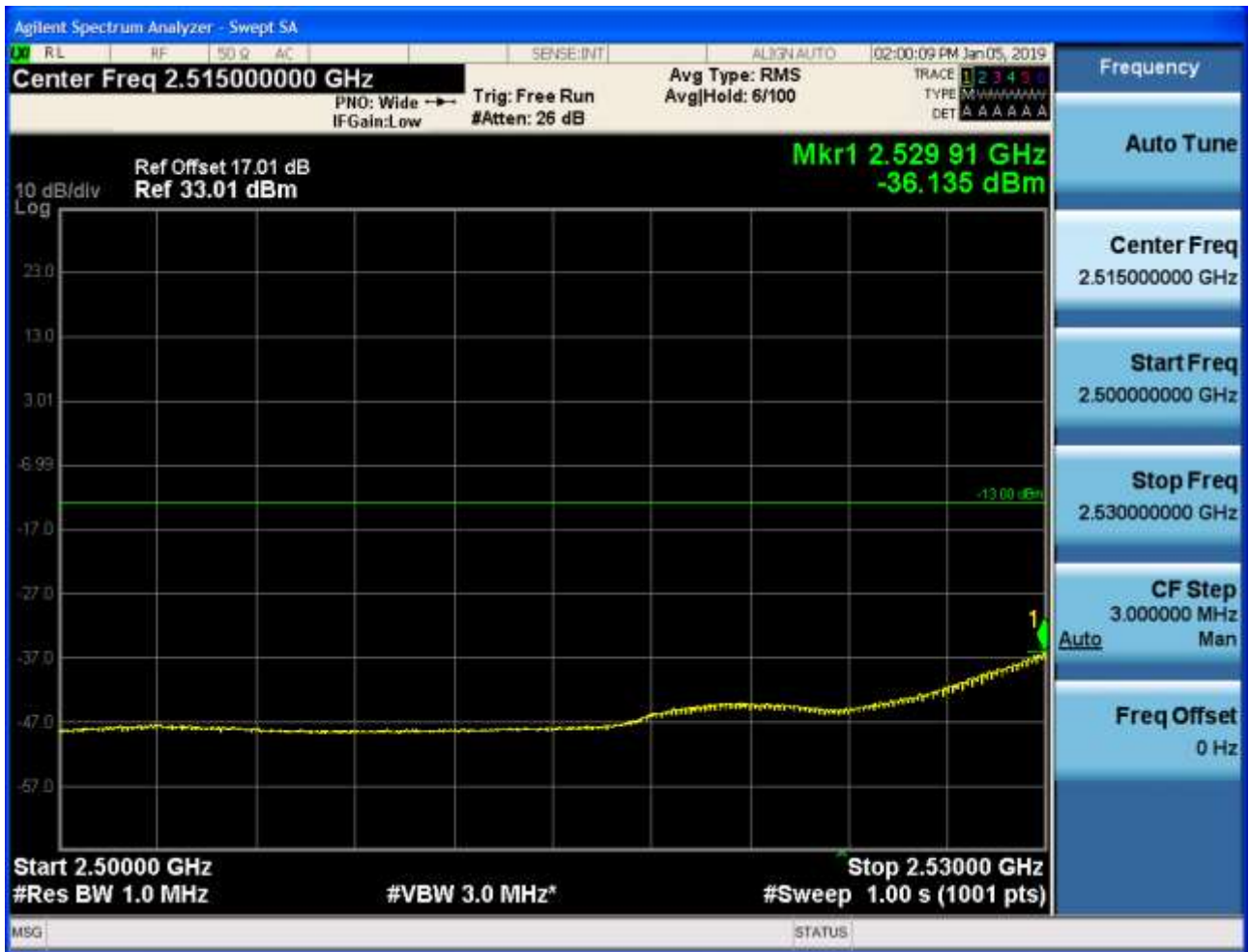








5.1.1.2.2.1.2 PCC Test RB = partial RBs #0 & SCC Test RB = 0









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



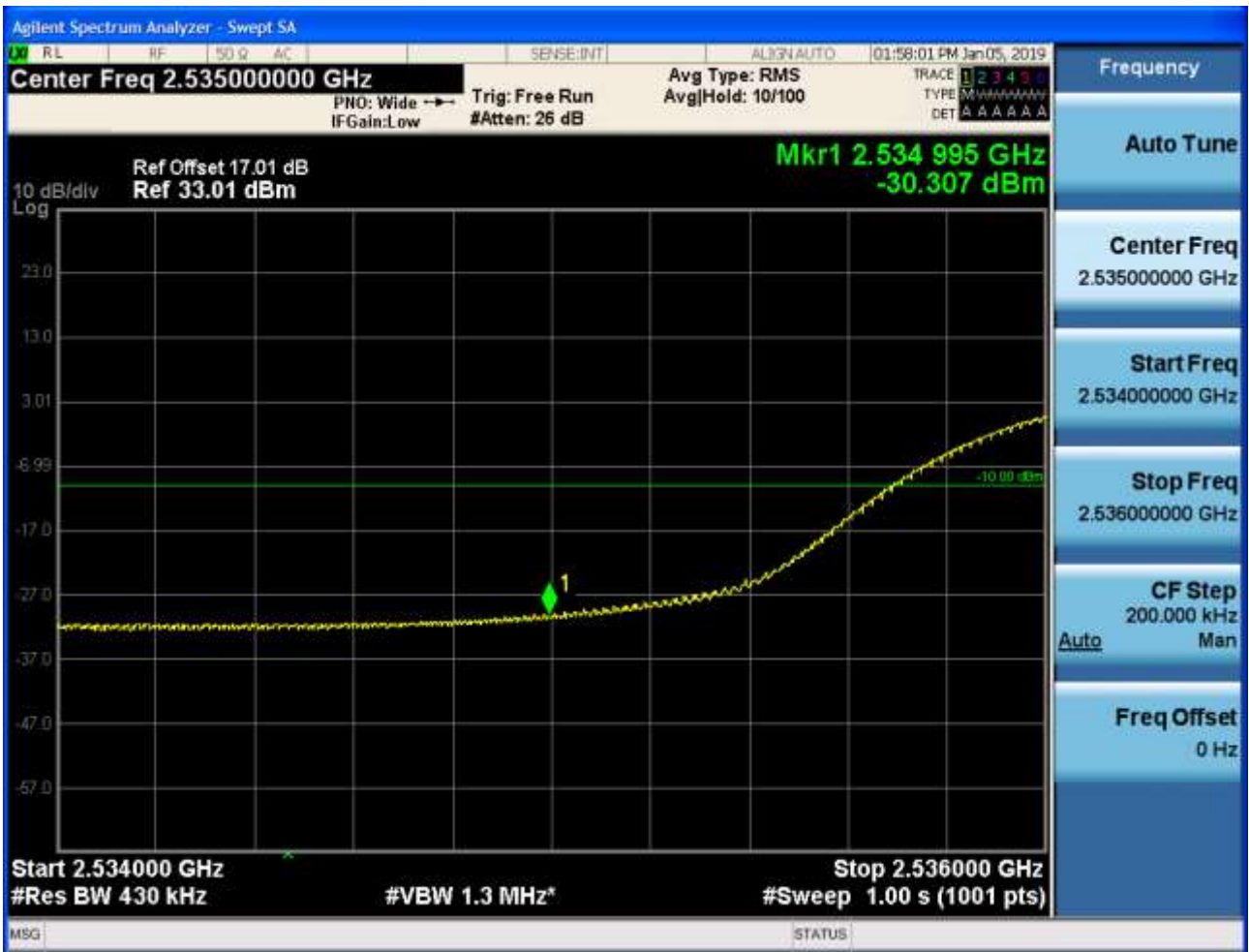




5.1.1.2.2.1.4 PCC Test RB = full RBs & SCC Test RB = full RBs



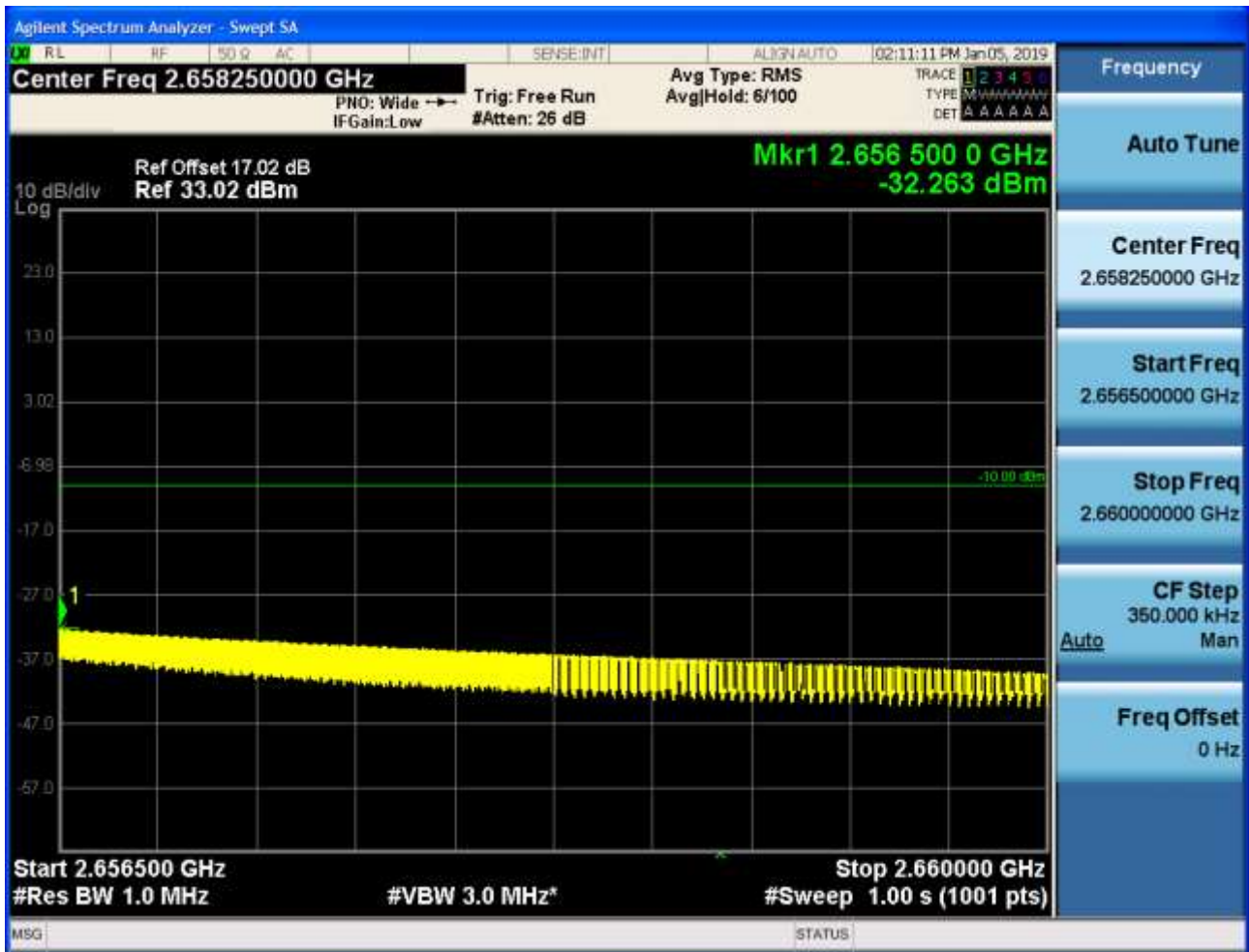


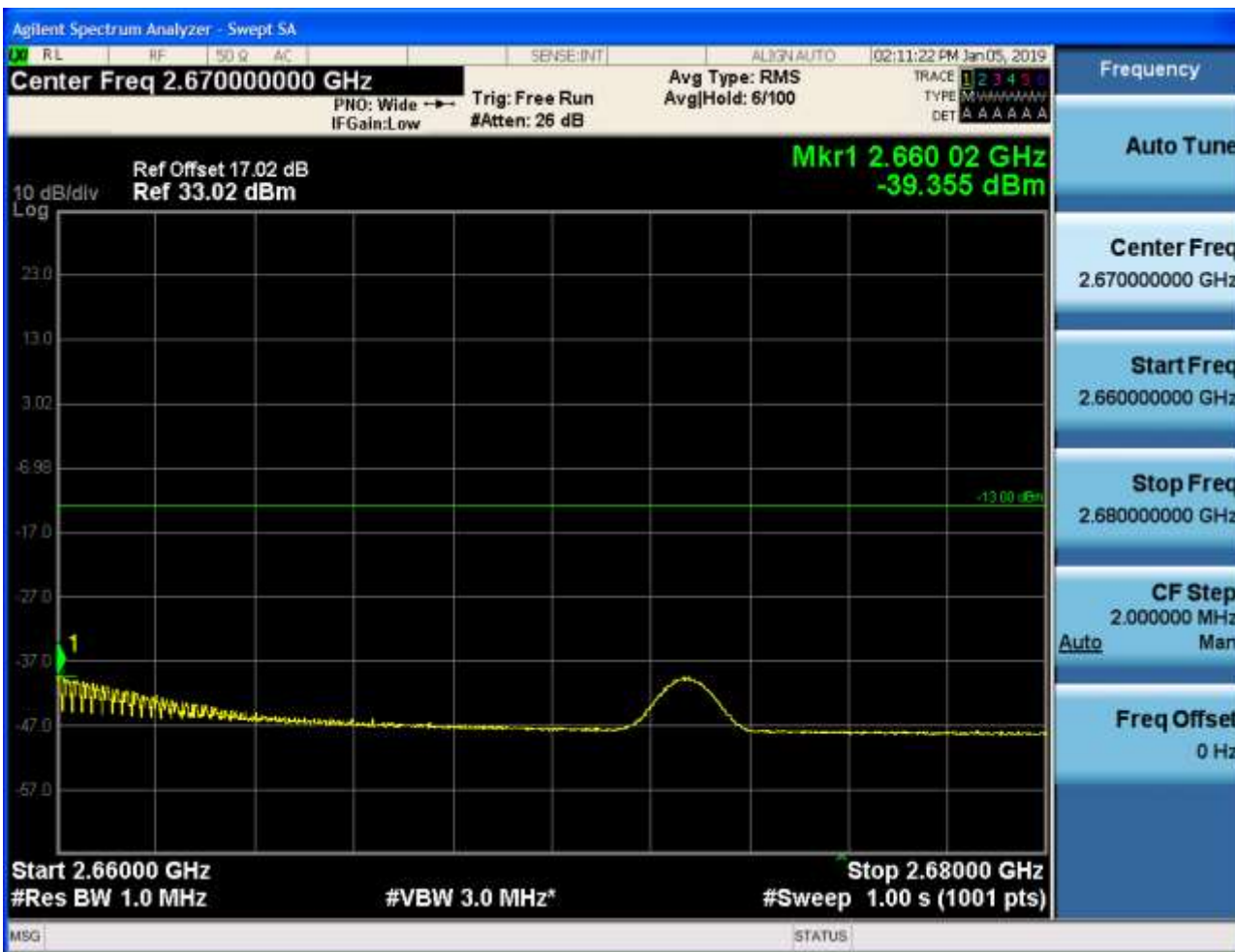


5.1.1.2.2 Test Channel = HCH

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

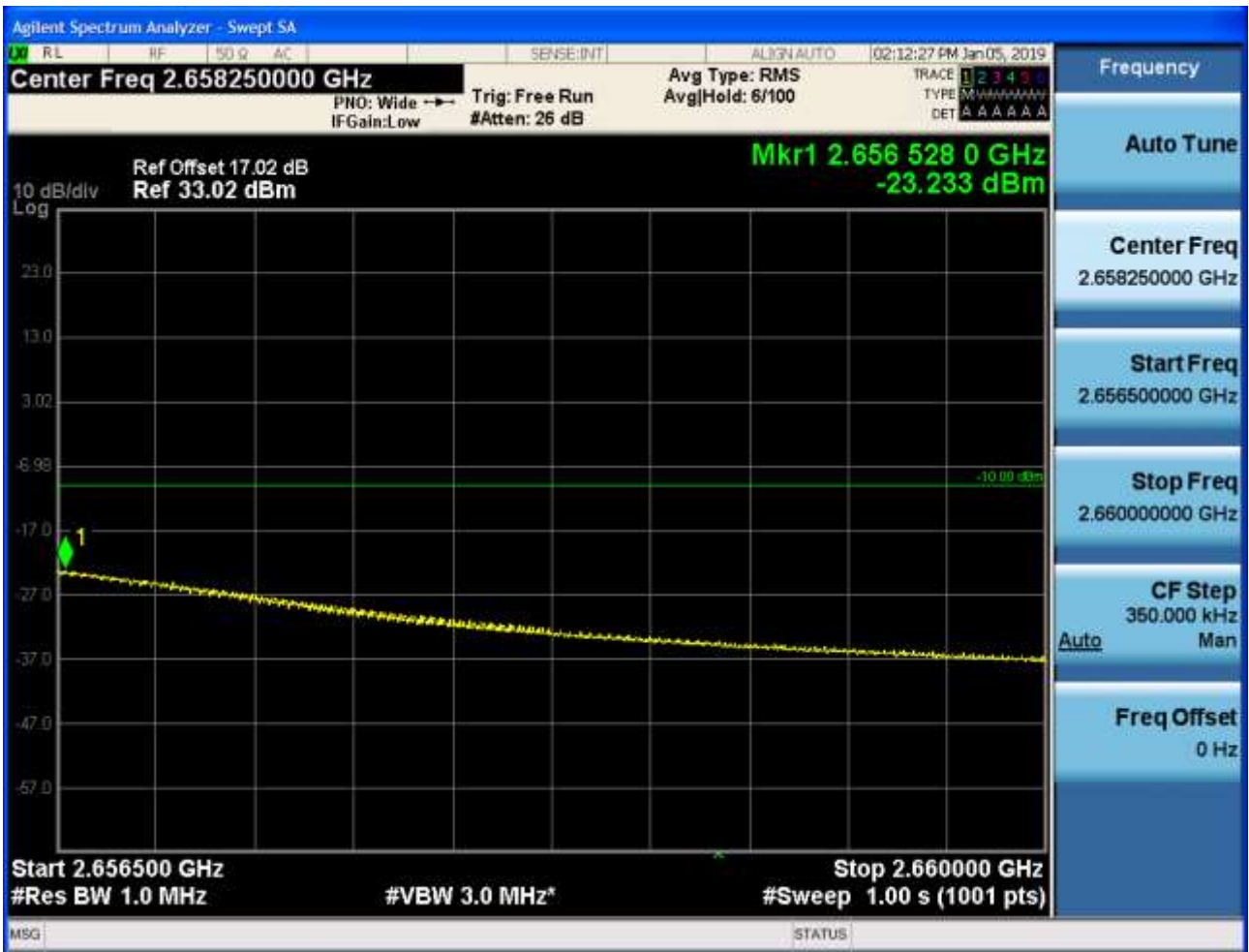






5.1.1.2.2.2 PCC Test RB = 0 & SCC Test RB = partial RBs #max





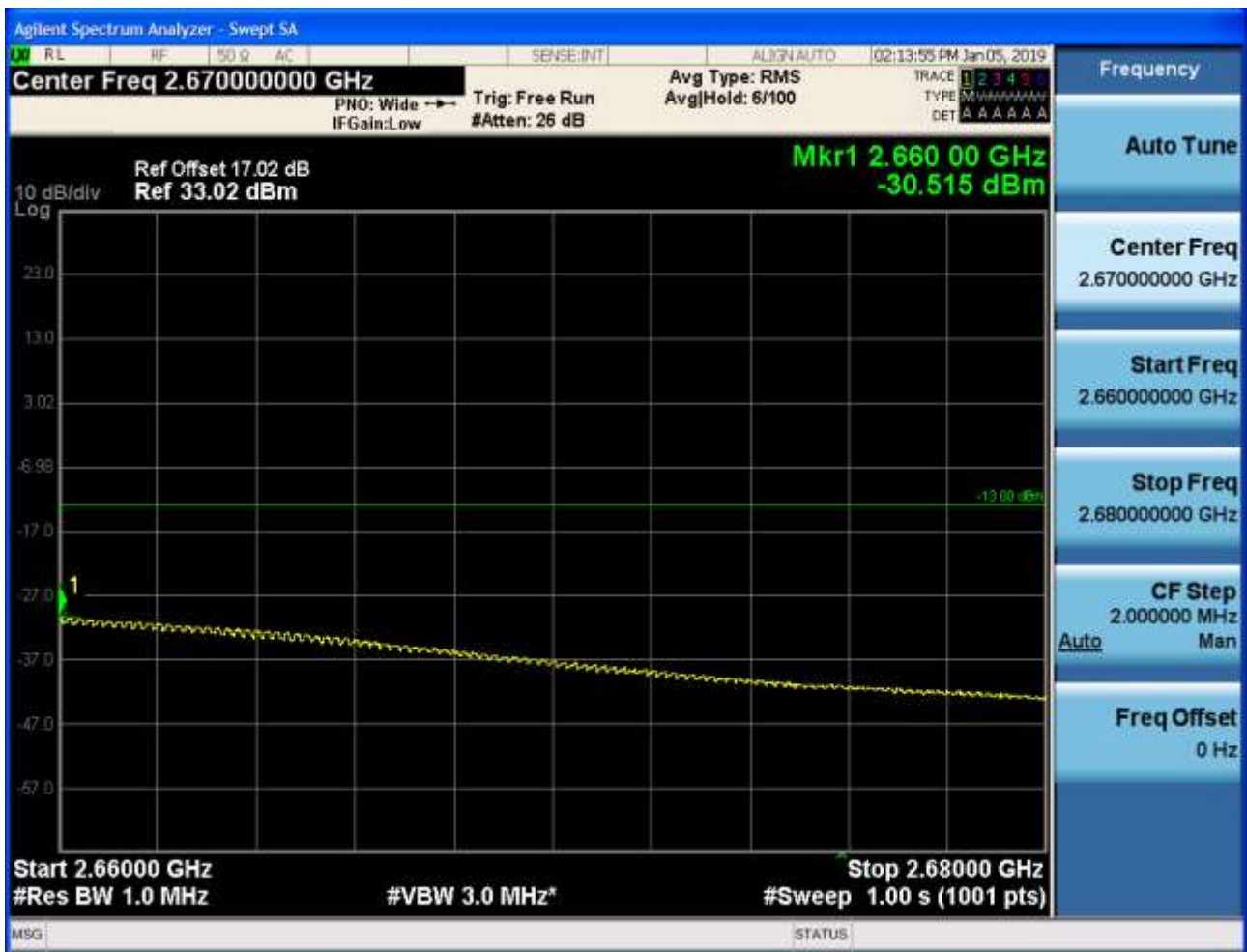




5.1.1.2.2.3 PCC Test RB = 0 & SCC Test RB = full RBs









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

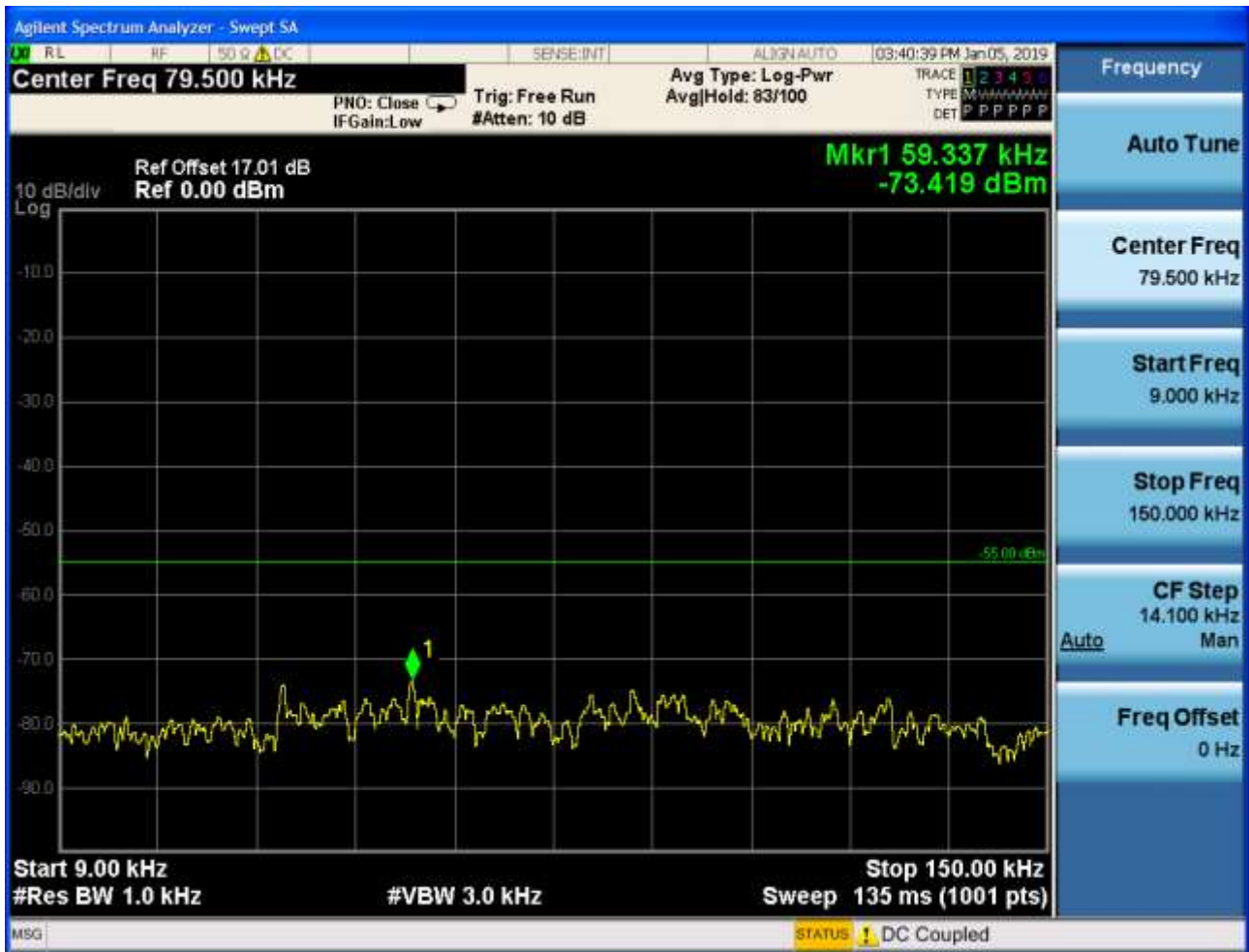
6.1.1 Test Band = CA_41C (2535-2655MHz)

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



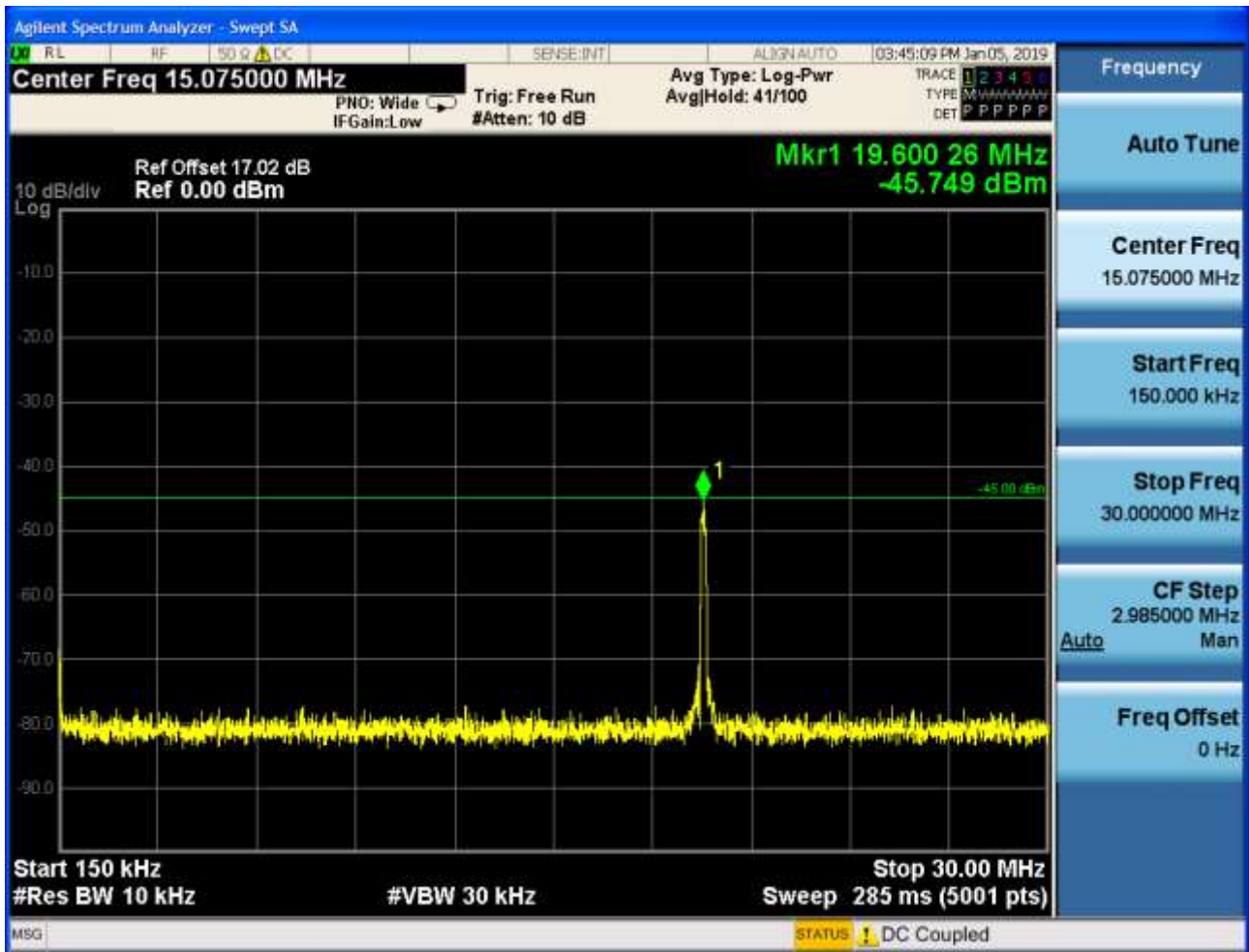




6.1.1.1.1.2 Test Channel = MCH

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

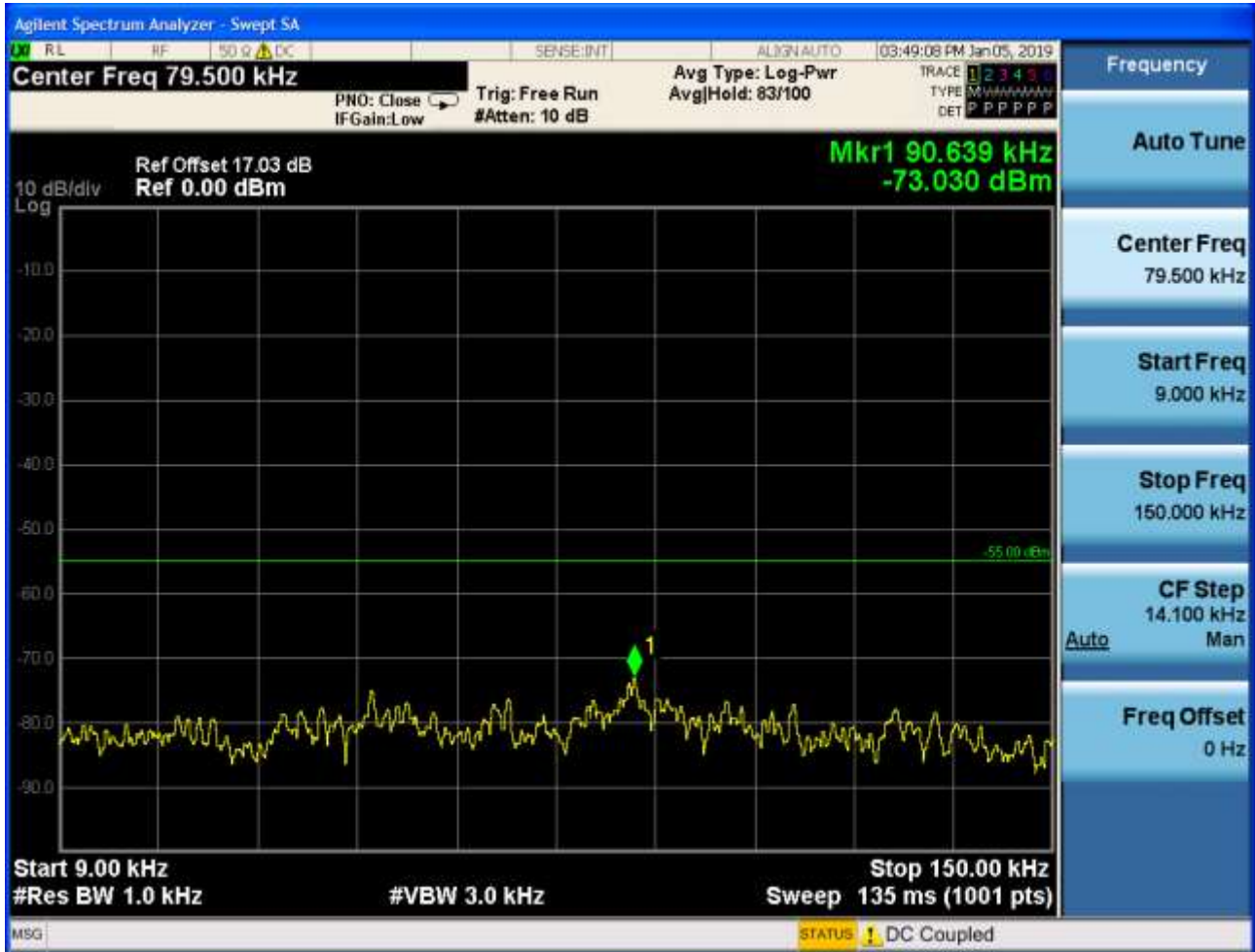


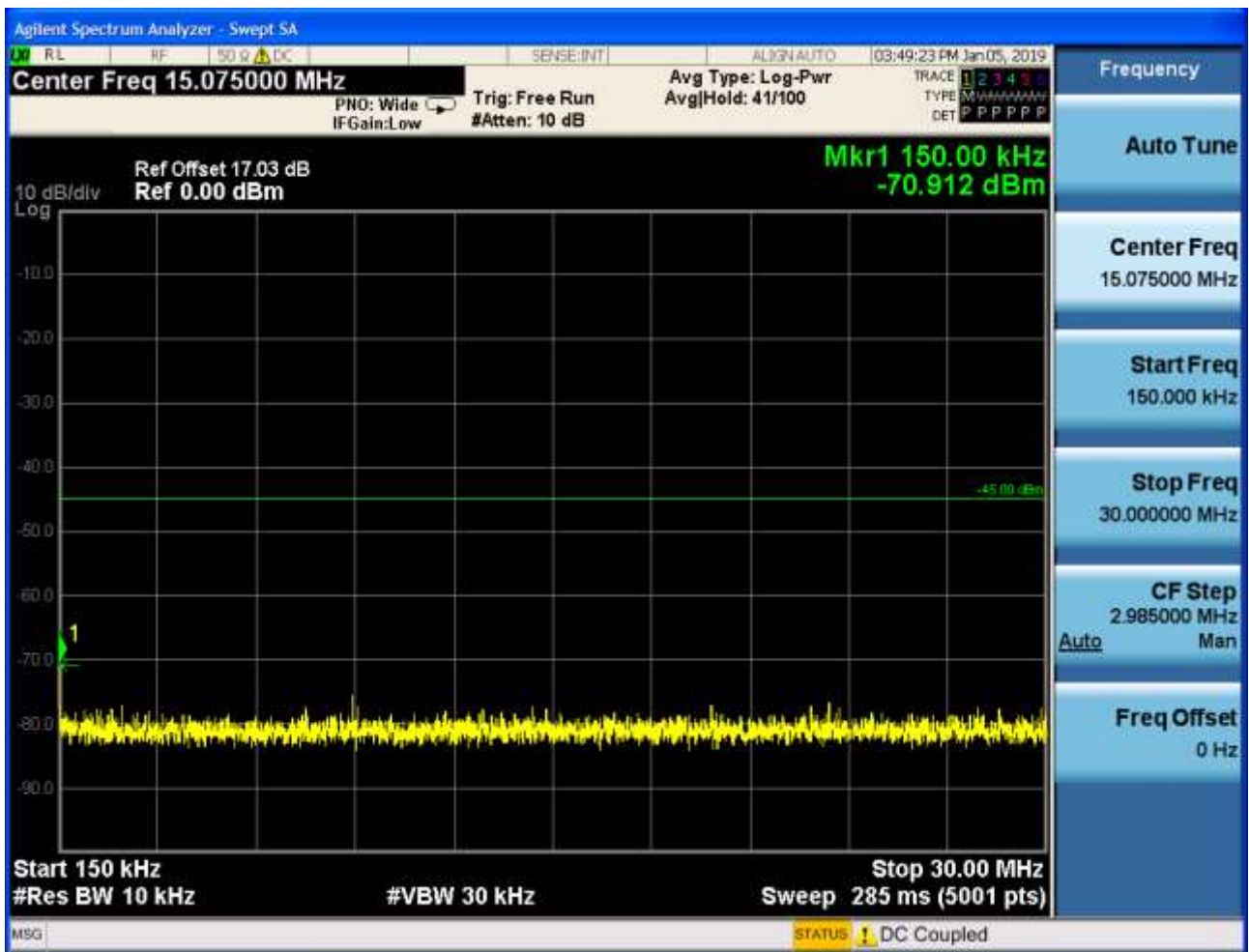




6.1.1.1.1.3 Test Channel = HCH

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



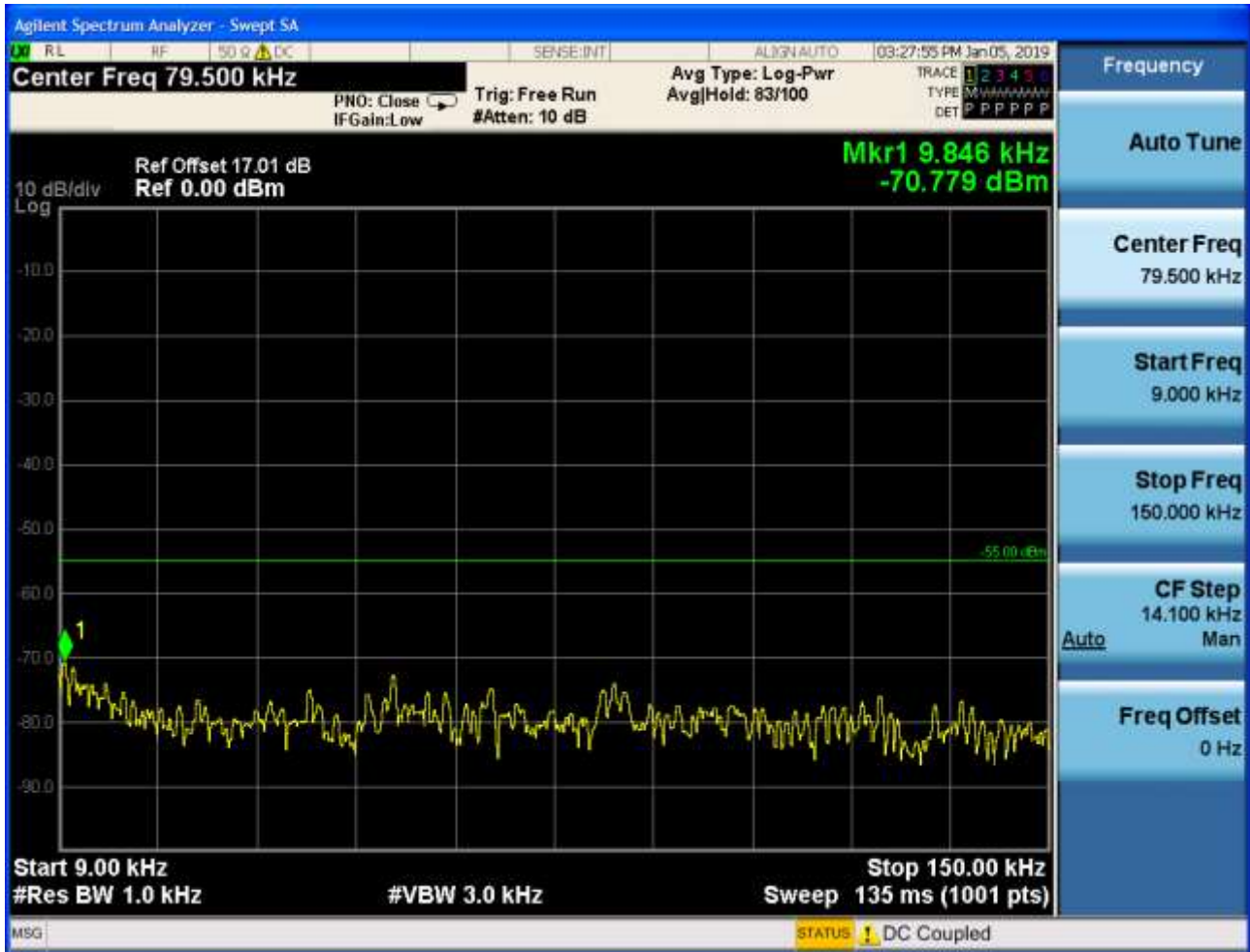


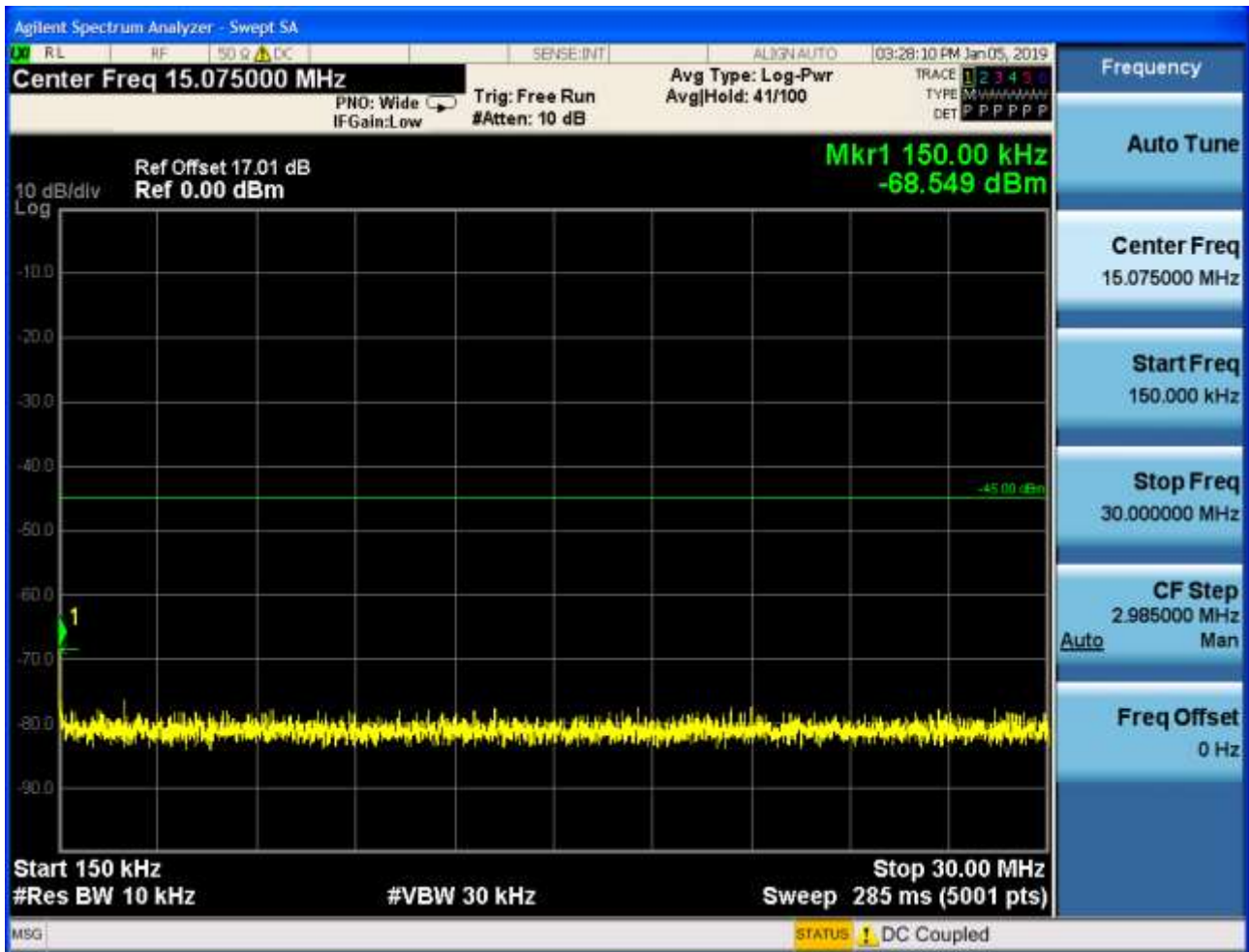


6.2.1.1.2 Test Bandwidth = 20MHz+20MHz

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

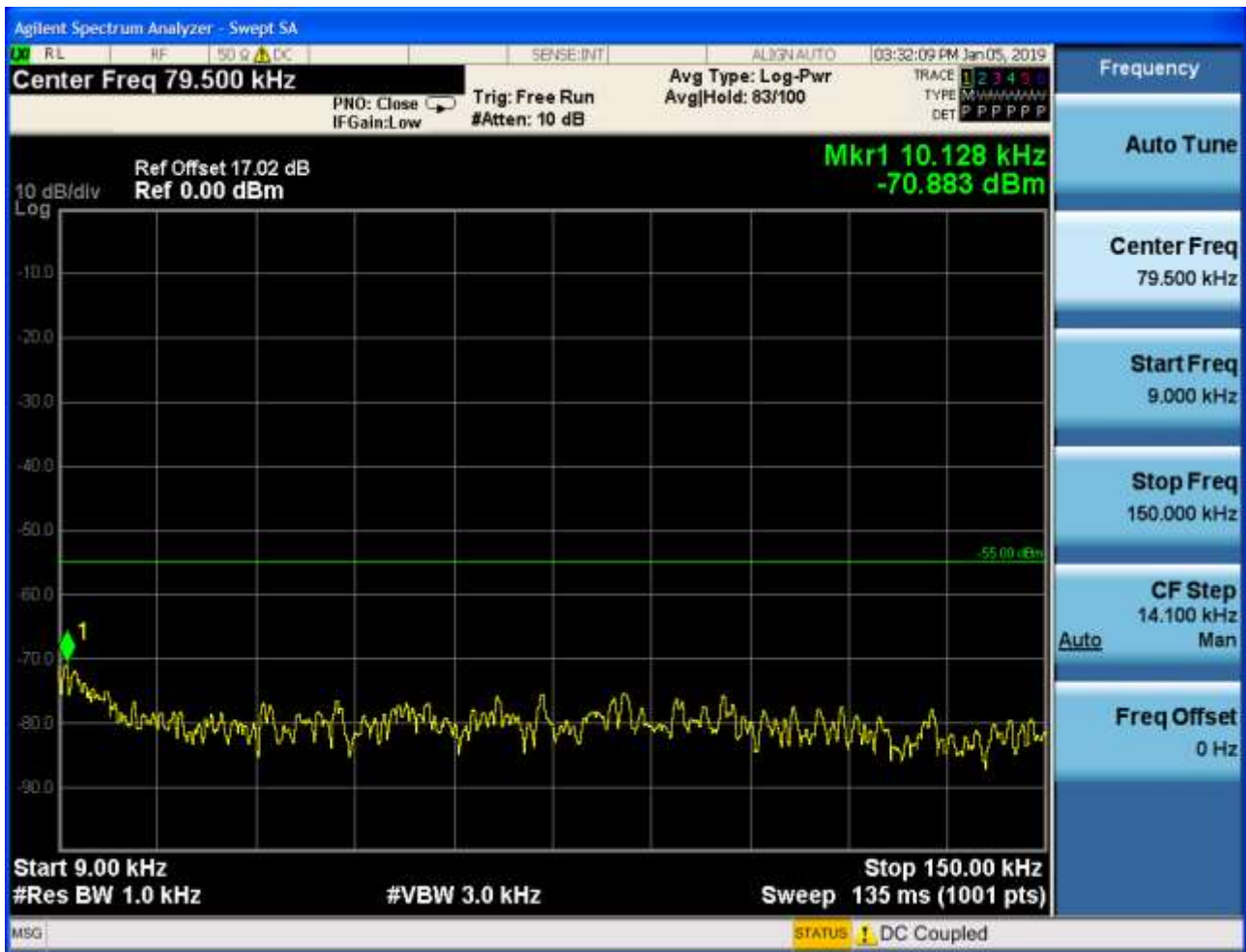


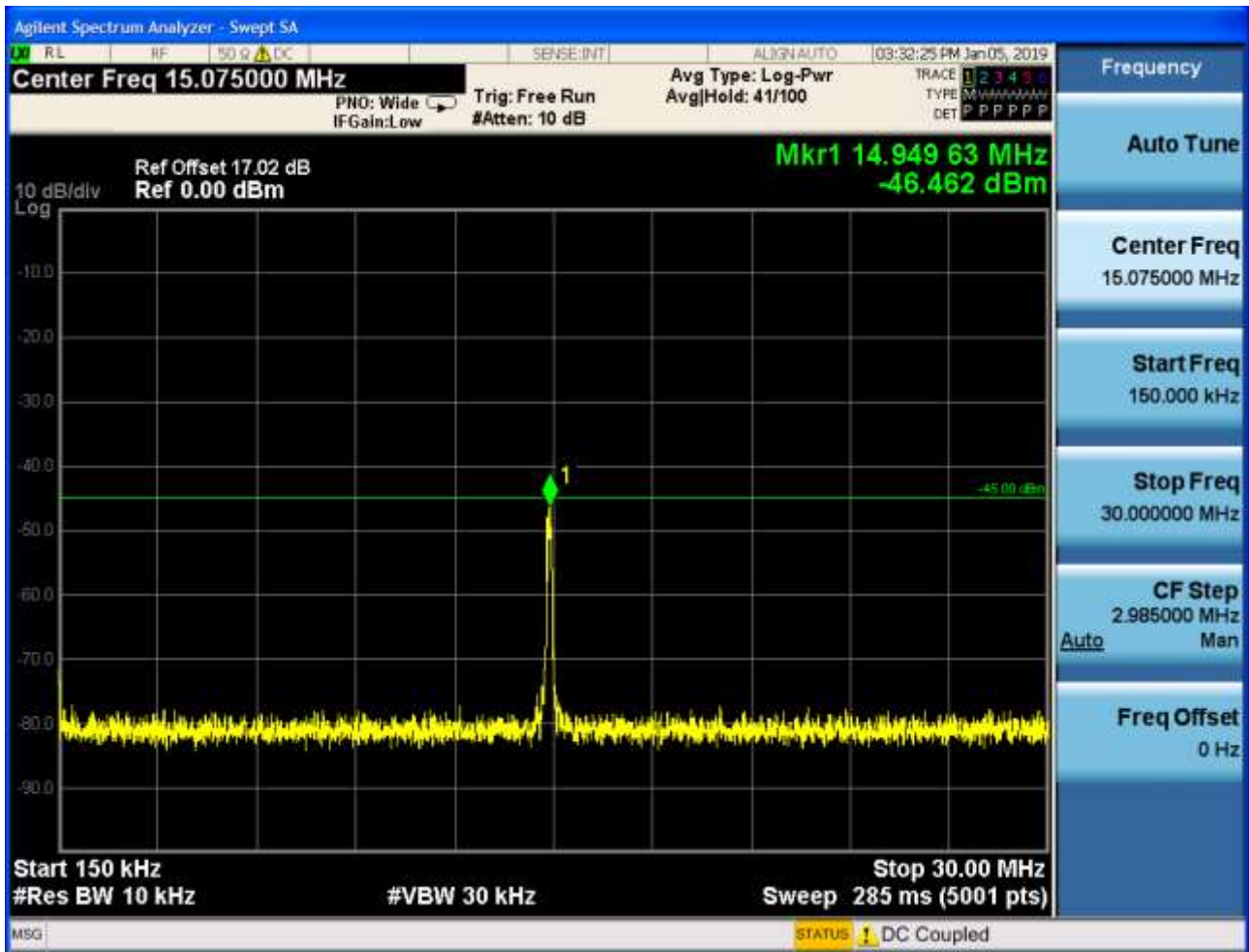




6.2.1.1.2.2 Test Channel = MCH

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



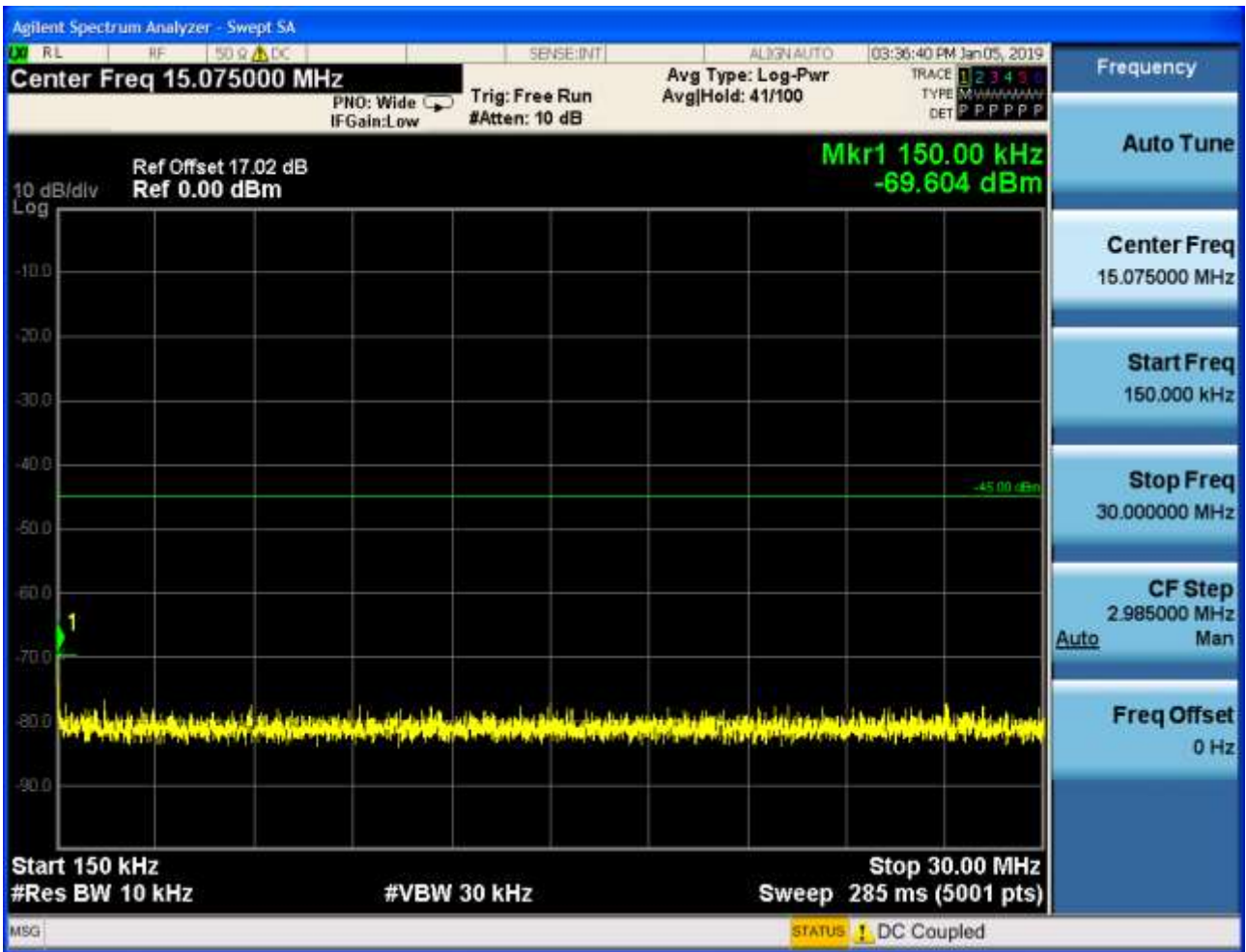




6.2.1.1.2.3 Test Channel = HCH

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





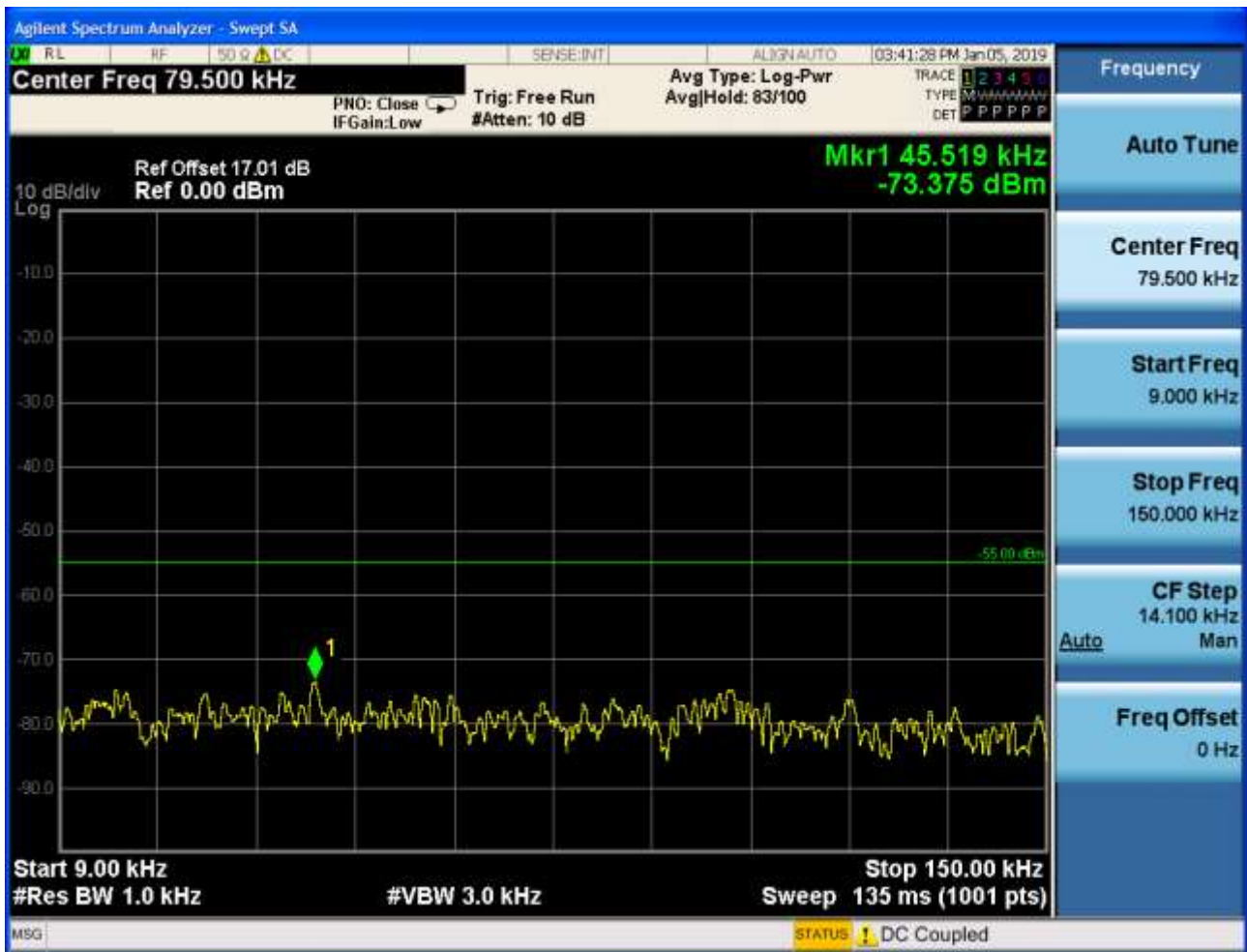


6.2.1.2 Test Mode = LTE/TM2

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



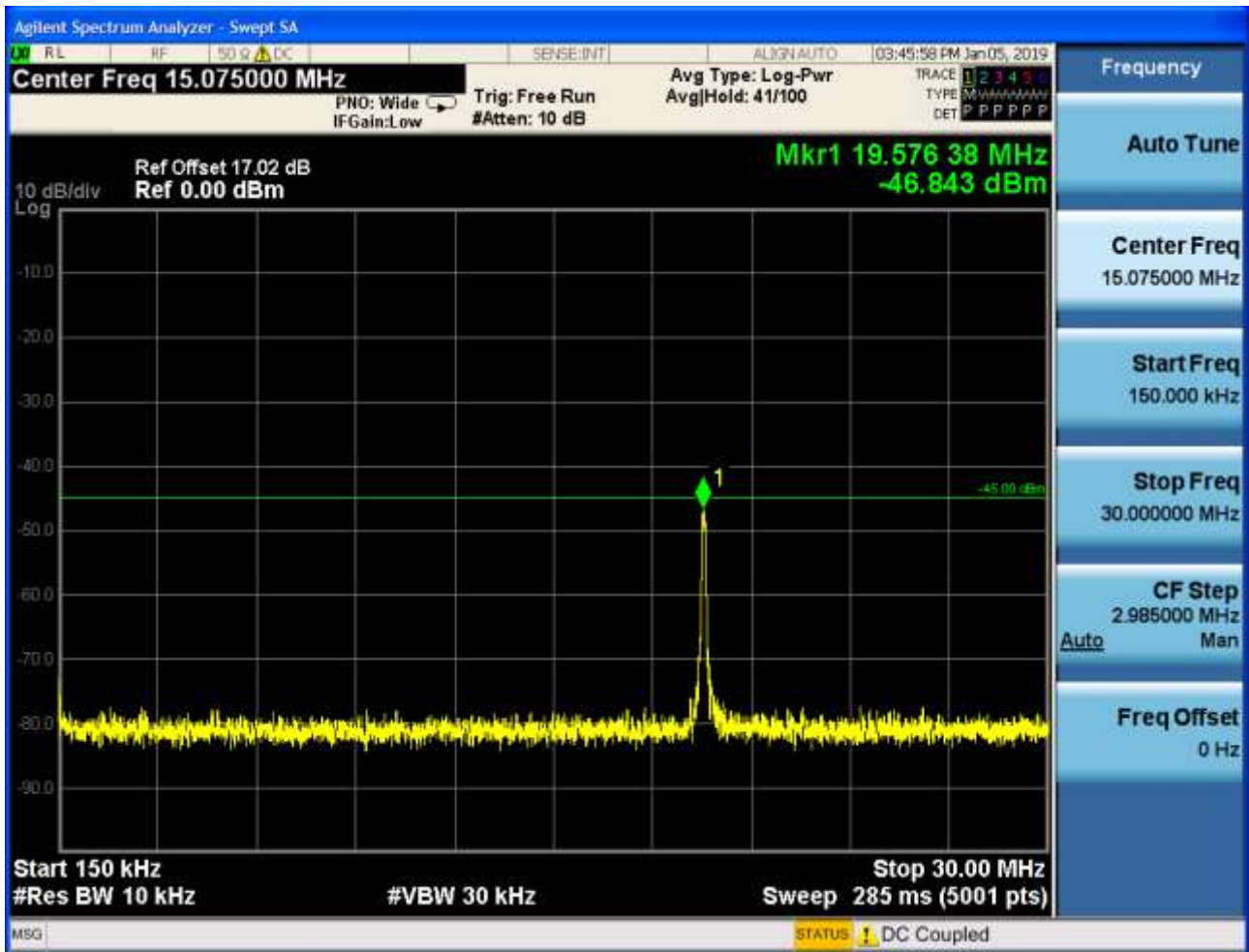




6.2.1.2.1.2 Test Channel = MCH

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



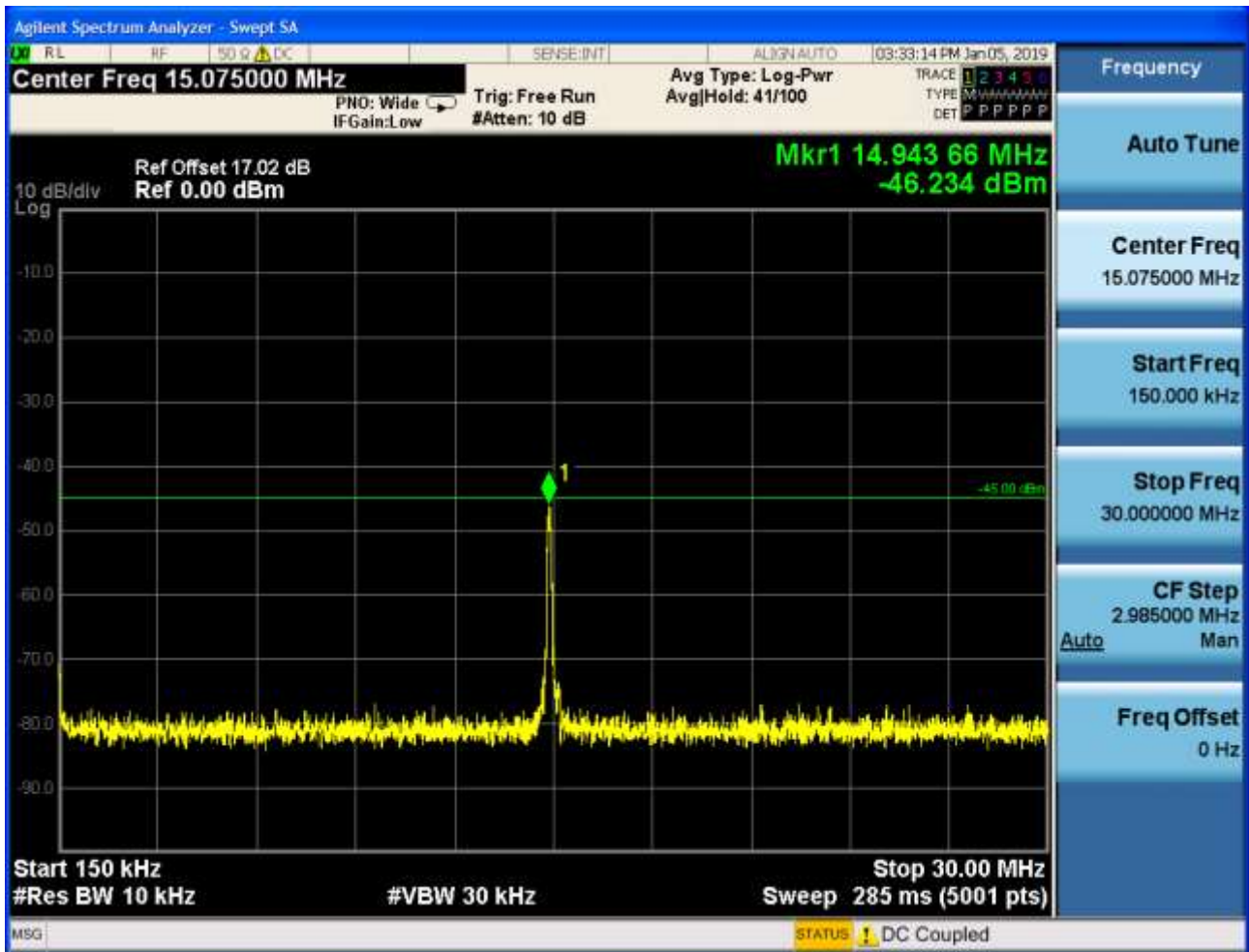




6.2.1.2.2.2 Test Channel = MCH

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



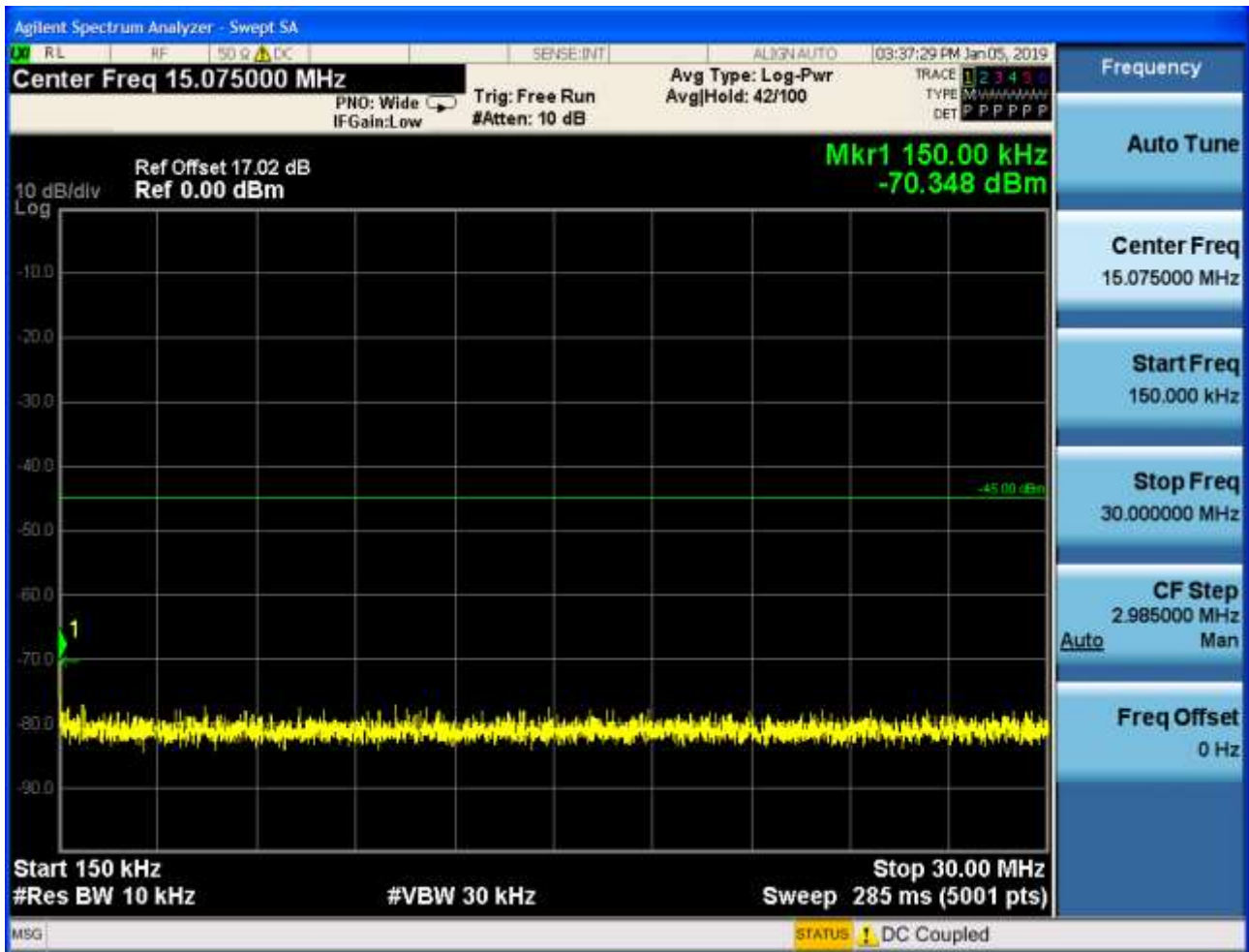




6.2.1.2.2.3 Test Channel = HCH

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

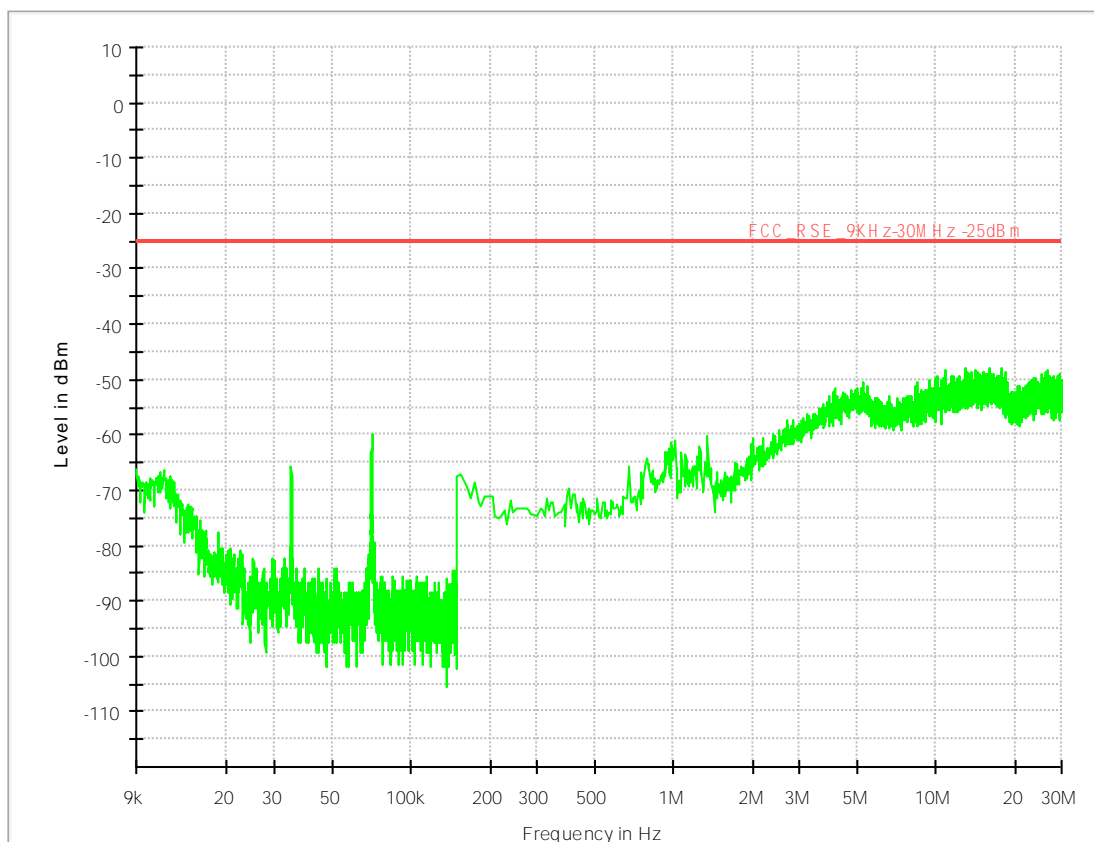
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz Detector: PK

Part I - Test Plots

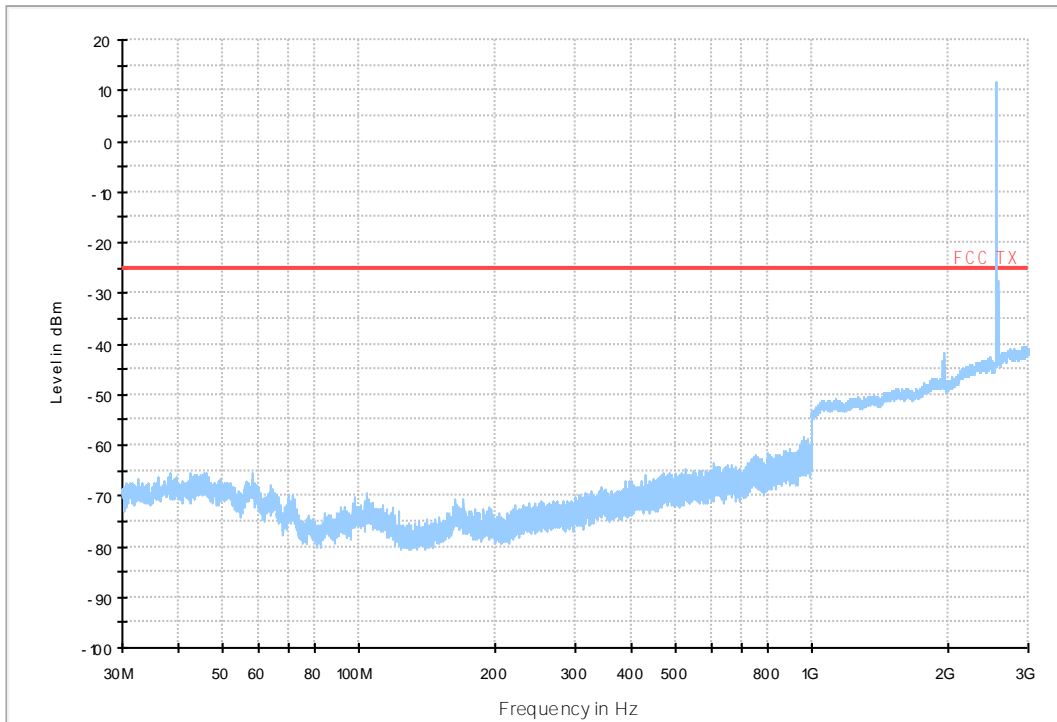
7.1 For LTE

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

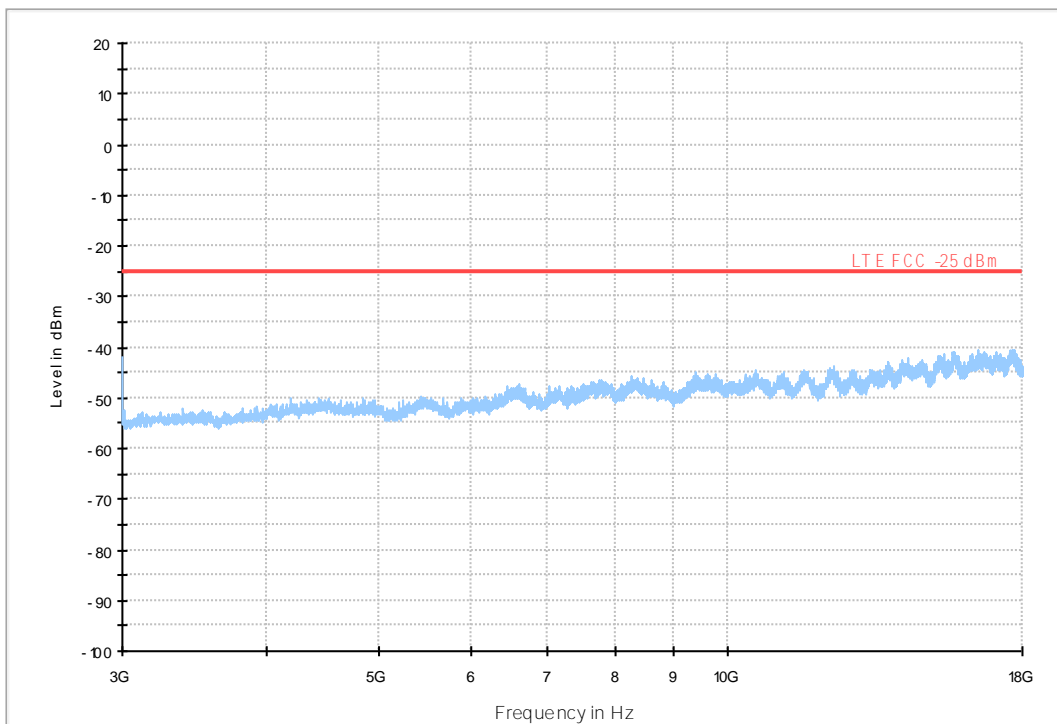
7.1.1.1 Test Bandwidth = 15MHz+15MHz



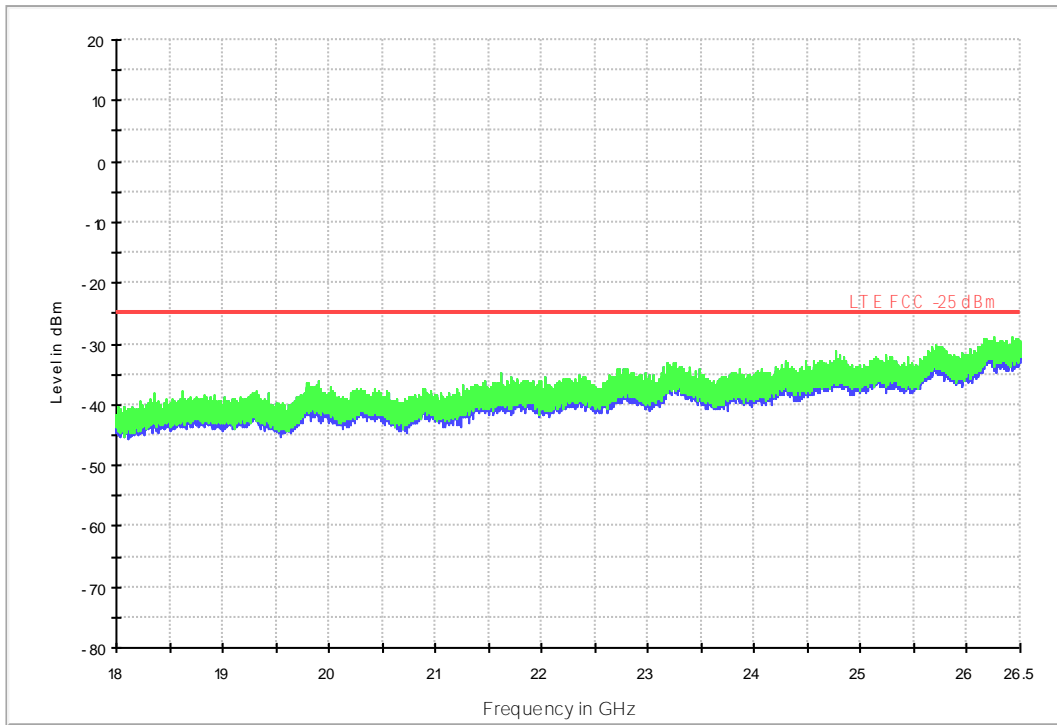
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



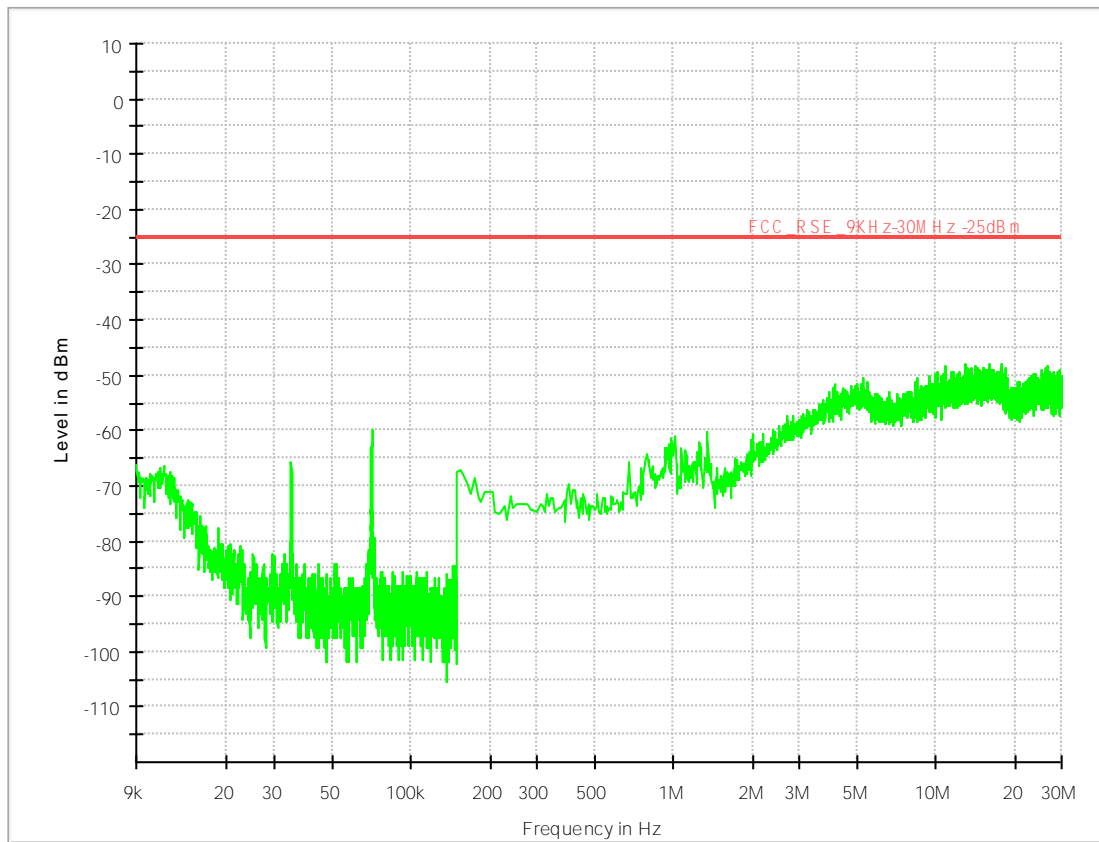
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



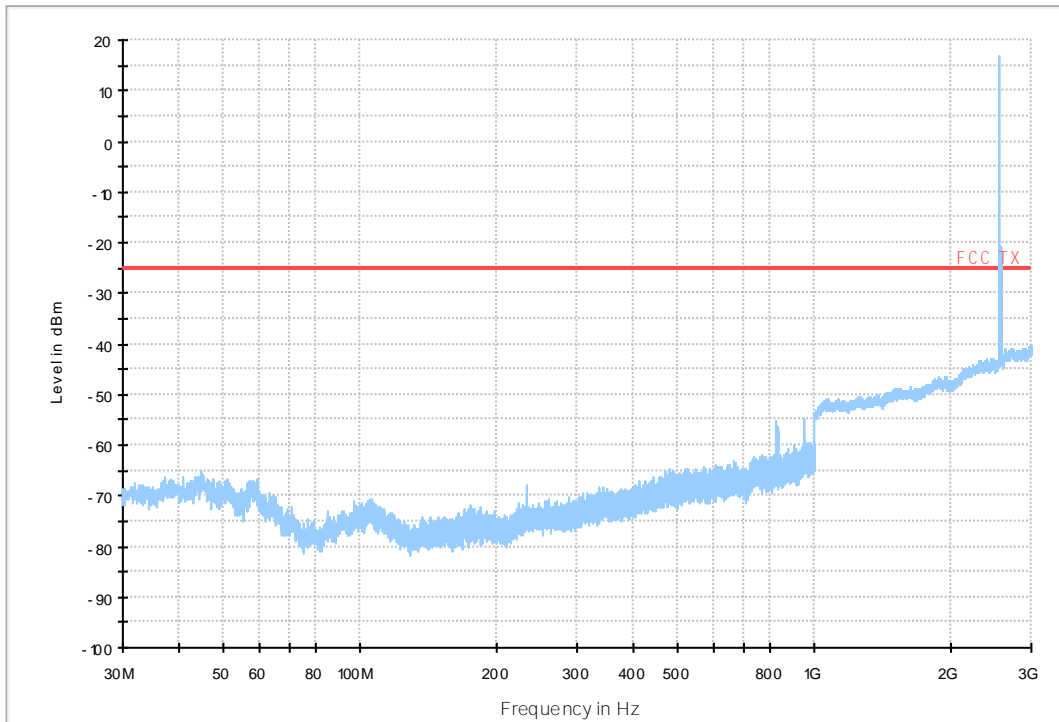
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



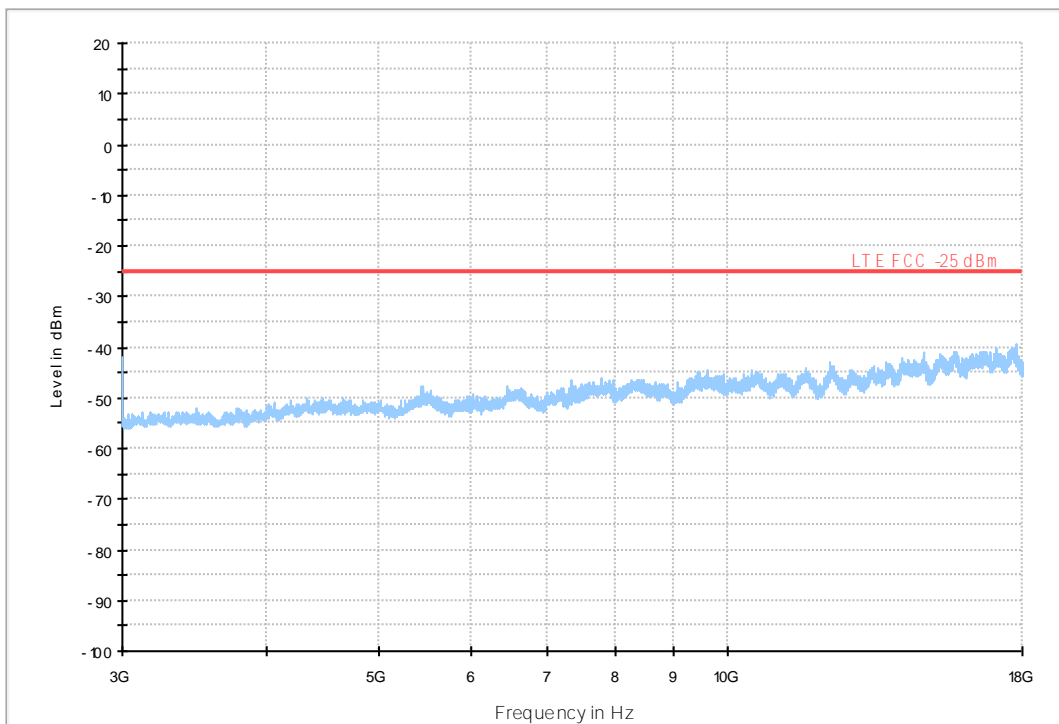
7.1.1.2 Test Bandwidth = 20MHz+20MHz



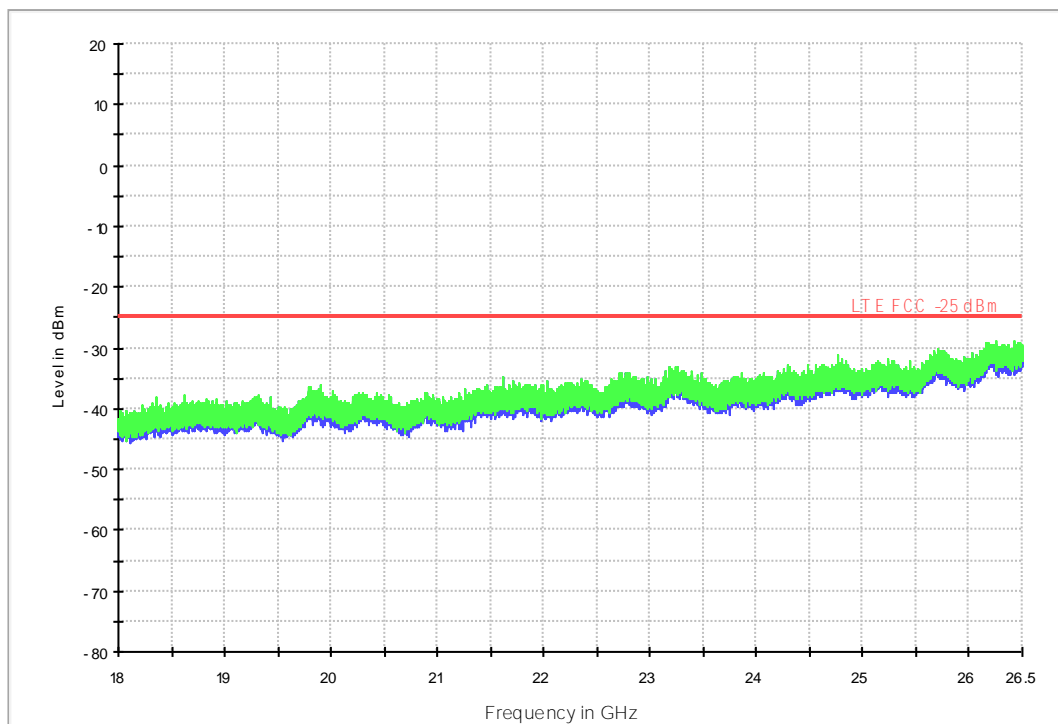
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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

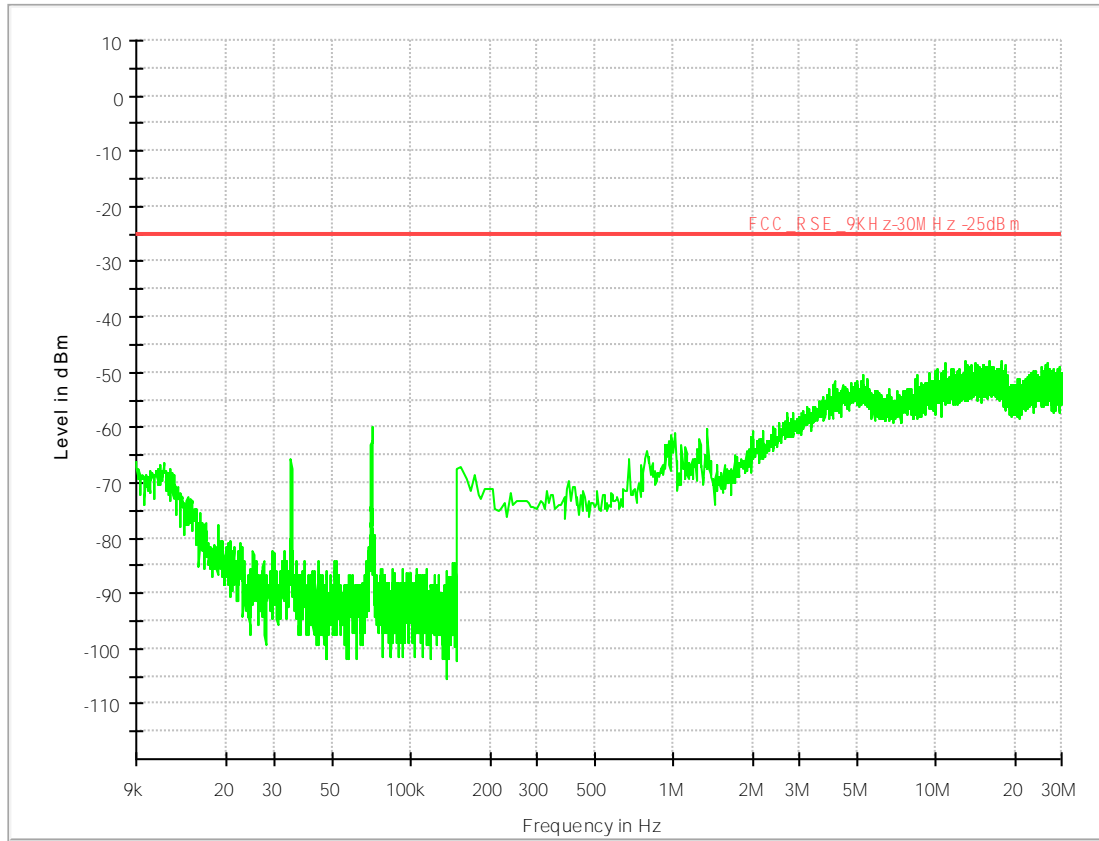


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

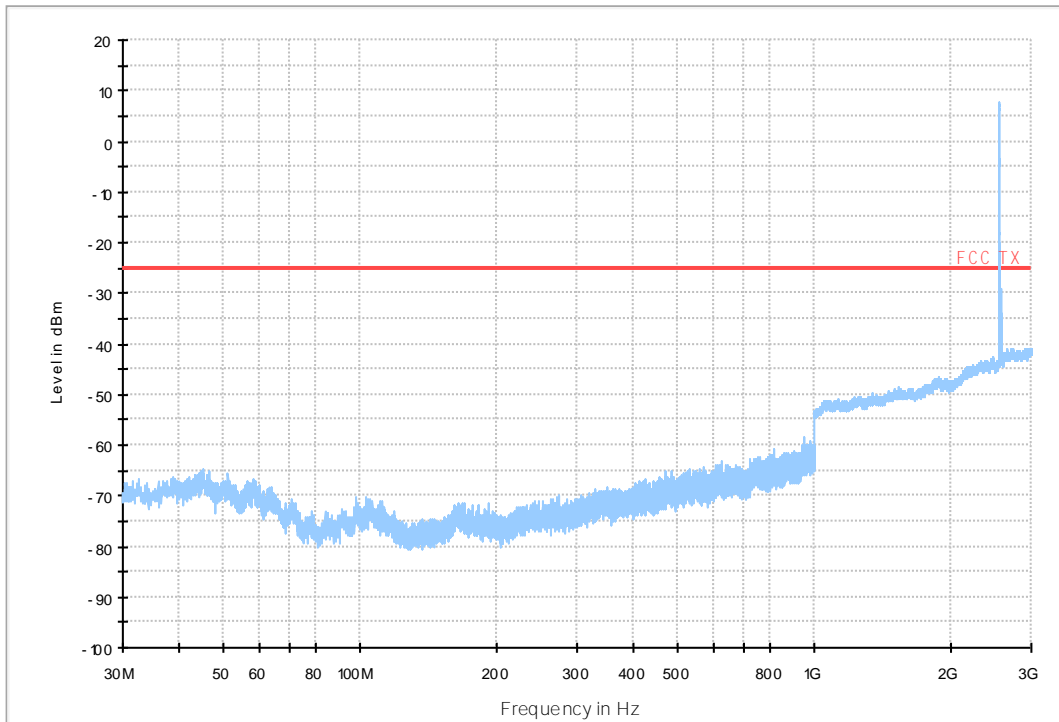


7.1.2 Test Band = CA_41C (2535-2655MHz)_ANT2

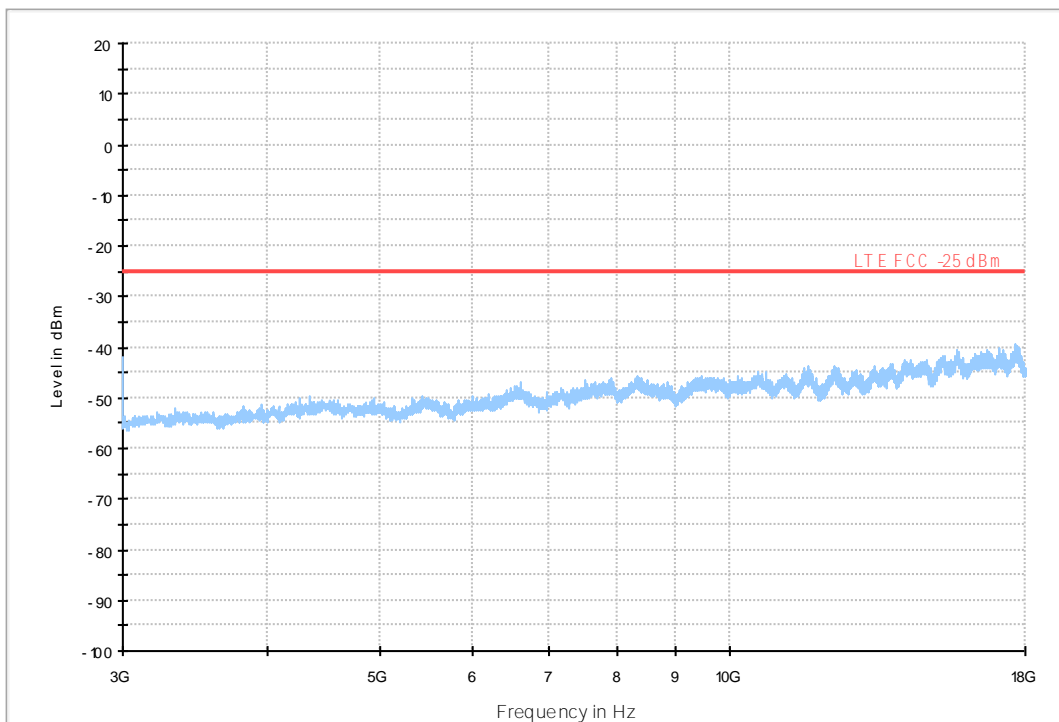
7.1.2.1 Test Bandwidth = 15MHz+15MHz



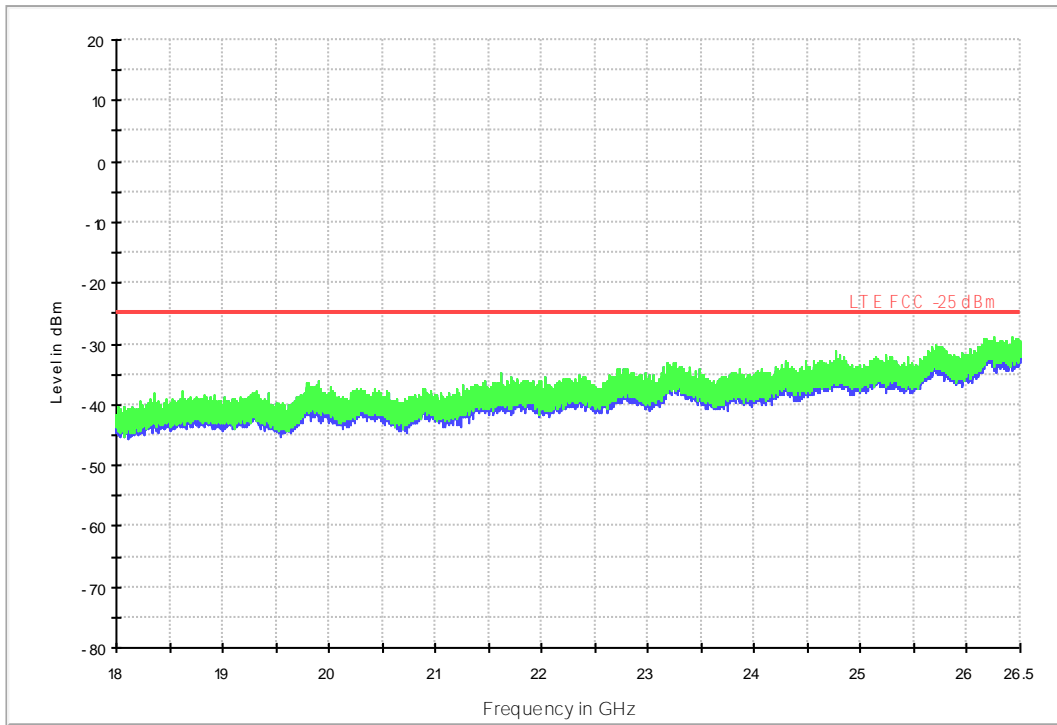
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



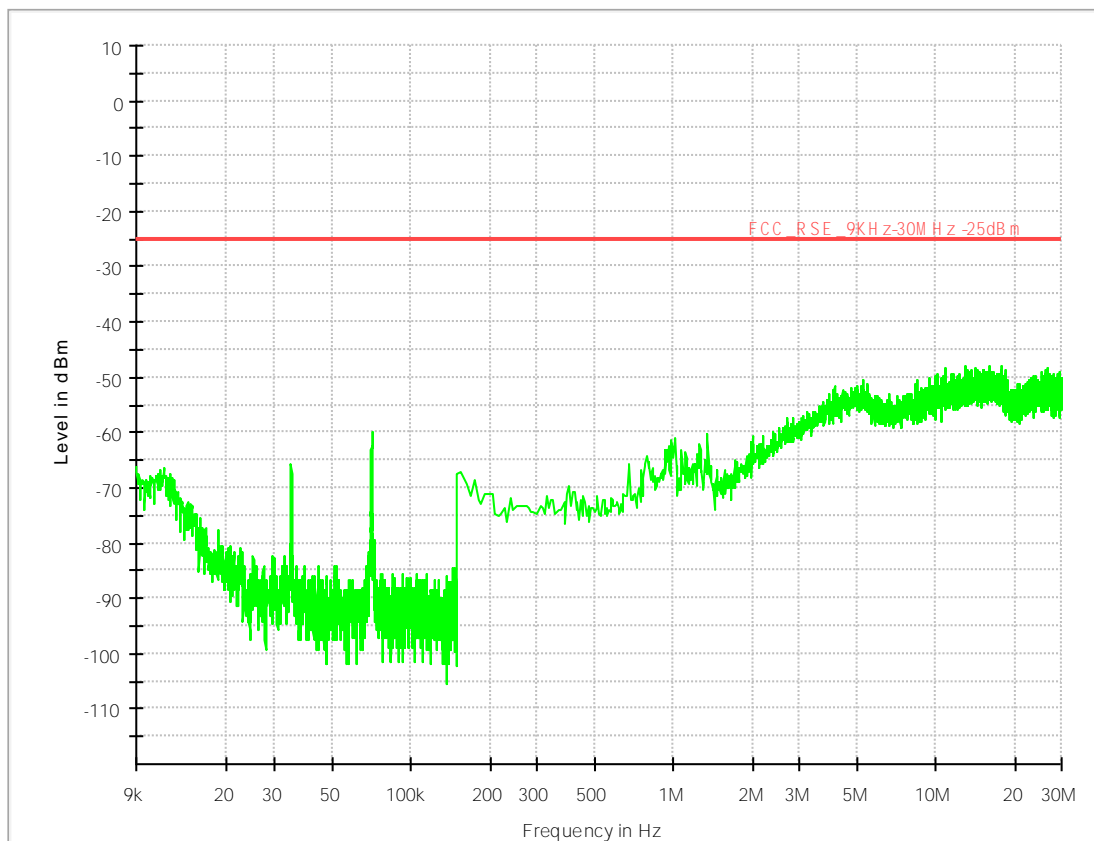
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



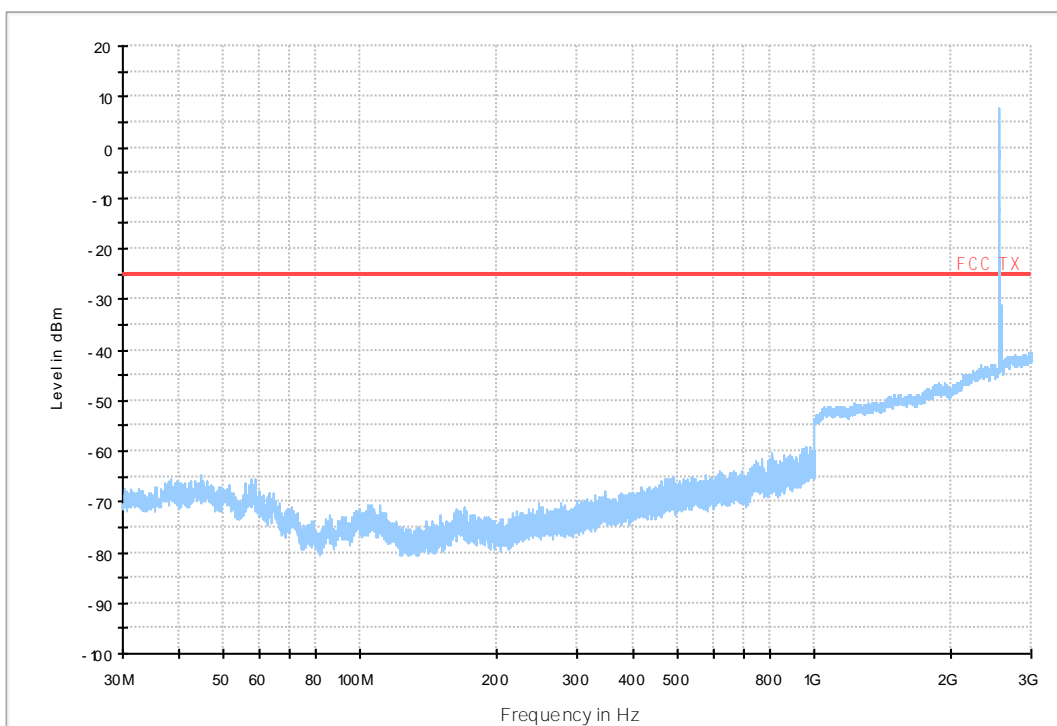
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



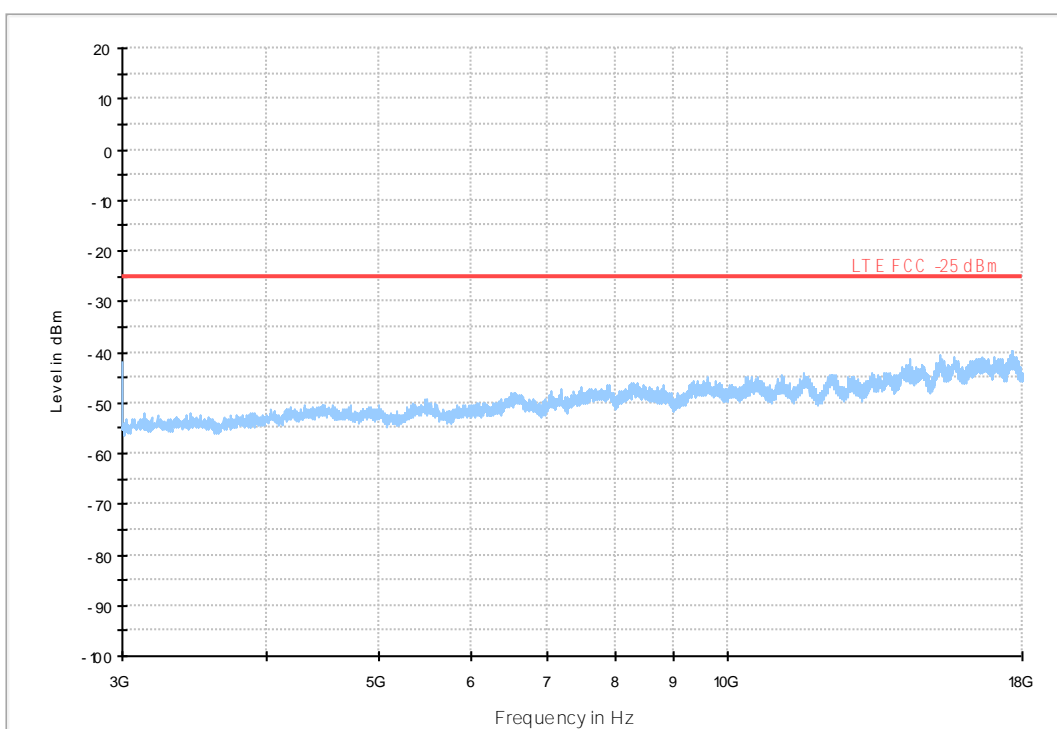
7.1.2.2 Test Bandwidth = 20MHz+20MHz



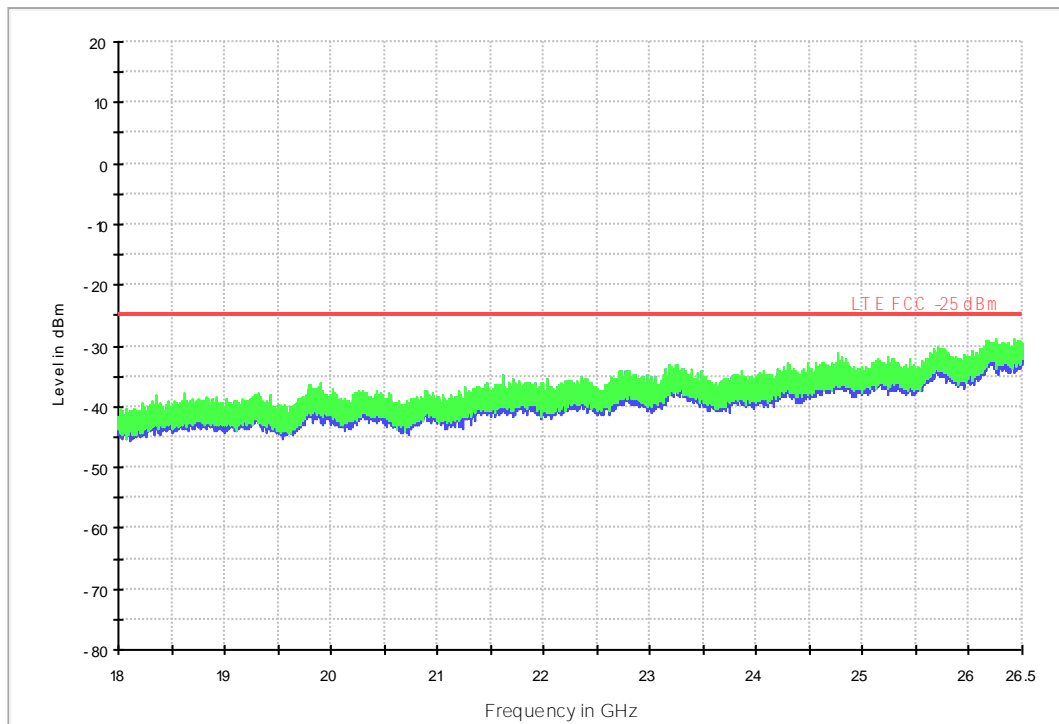
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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
			HCH	TN	VL	-29.50000	-0.01121	PASS
					VN	-26.48000	-0.01006	PASS
					VH	-24.81000	-0.00942	PASS
		20MHz +20MHz	LCH	TN	VL	-33.36000	-0.01311	PASS
					VN	-21.51000	-0.00845	PASS
					VH	-24.10000	-0.00947	PASS
			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	
	LTE/TM2	15MHz +15MHz	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
			HCH	TN	VL	-22.62000	-0.00859	PASS
					VN	-29.10000	-0.01105	PASS
					VH	-30.17000	-0.01146	PASS
		20MHz +20MHz	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		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					
								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											
		MCH	VN	20MHz+20MHz			-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						
		HCH	VN				50	-33.76000	-0.01306	PASS						
							-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