





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









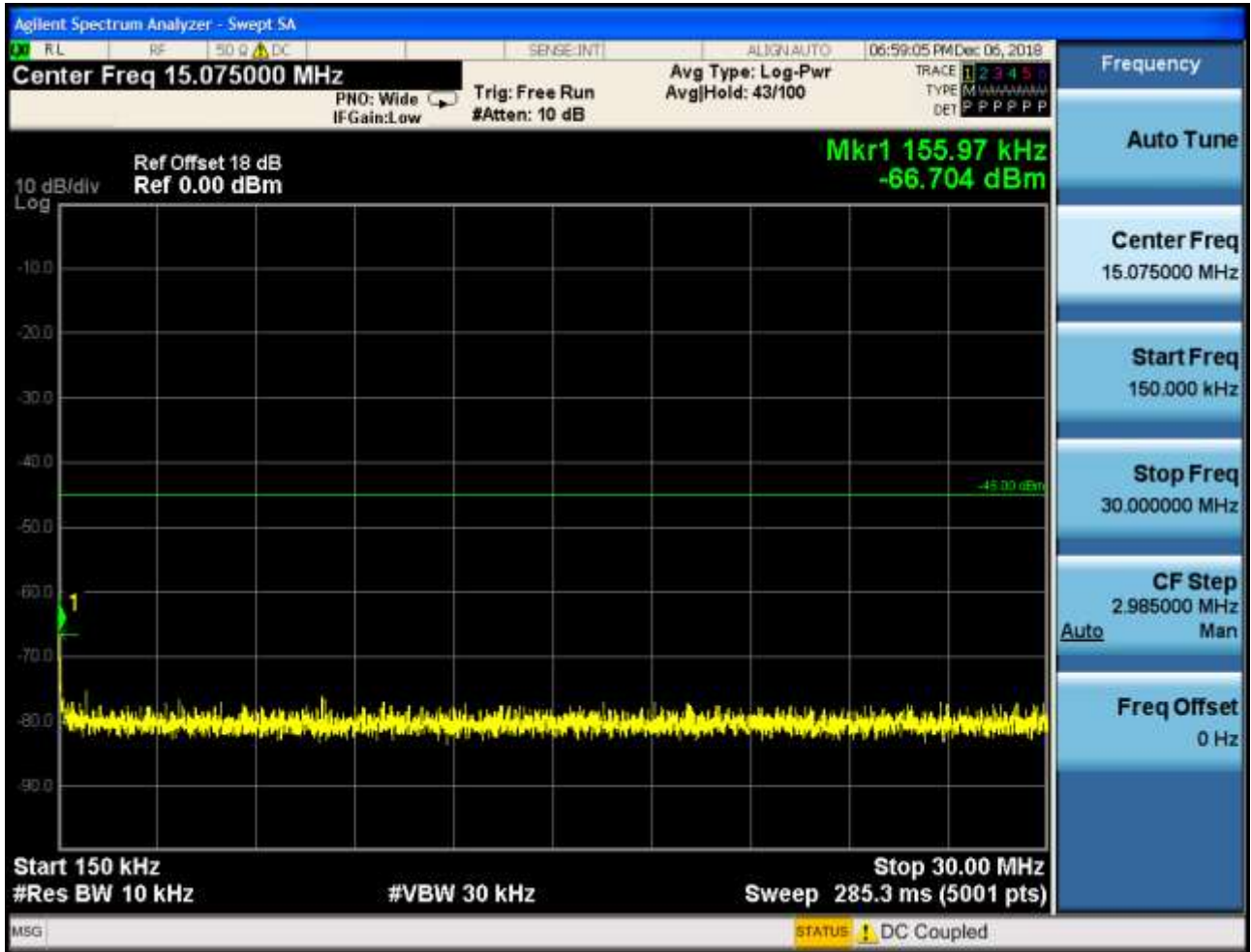
6.2.1.2.2 Test Bandwidth = 20MHz+20MHz

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







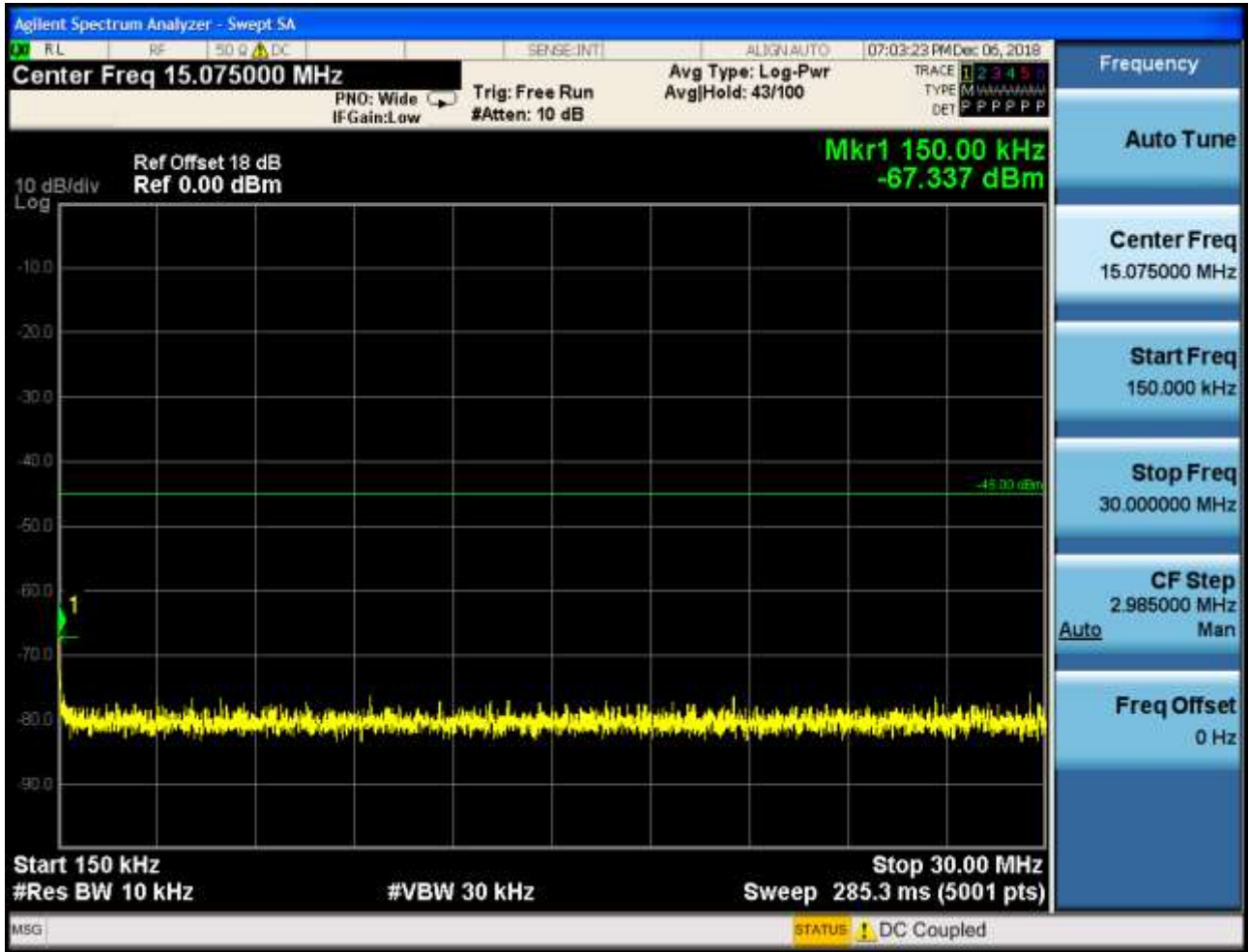




6.2.1.2.2.2 Test Channel = MCH

6.1.1.2.2.1 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

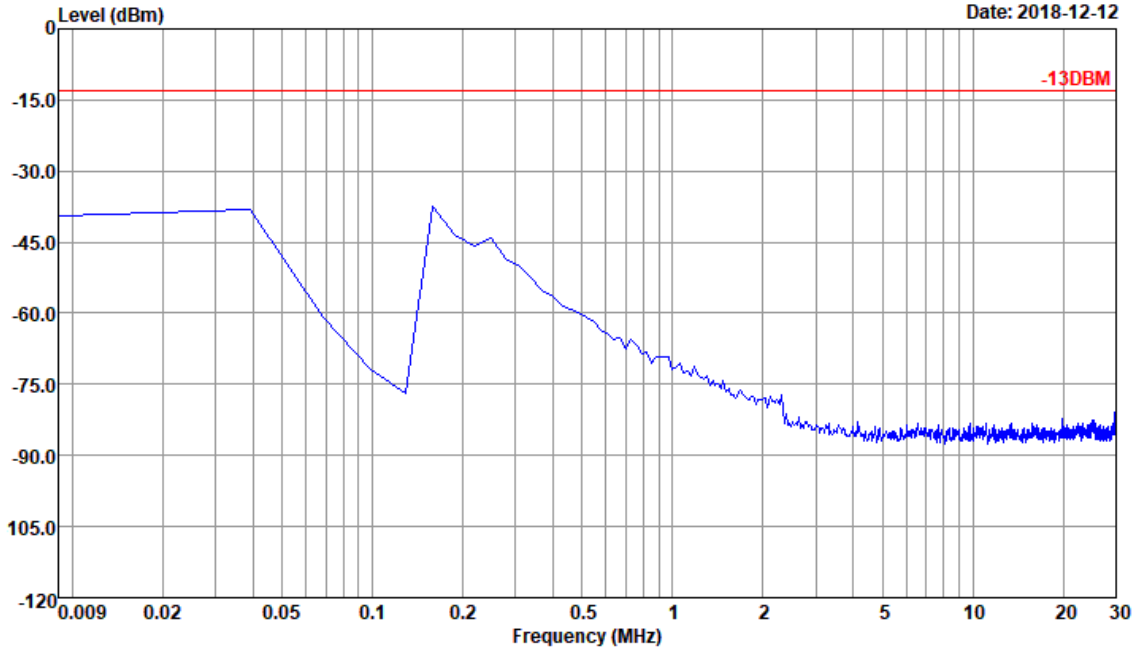
#### 7.1 For LTE

##### 7.1.1 Test Band = CA\_7C\_ANT1

##### 7.1.1.1 Test Bandwidth = 15MHz+15MHz

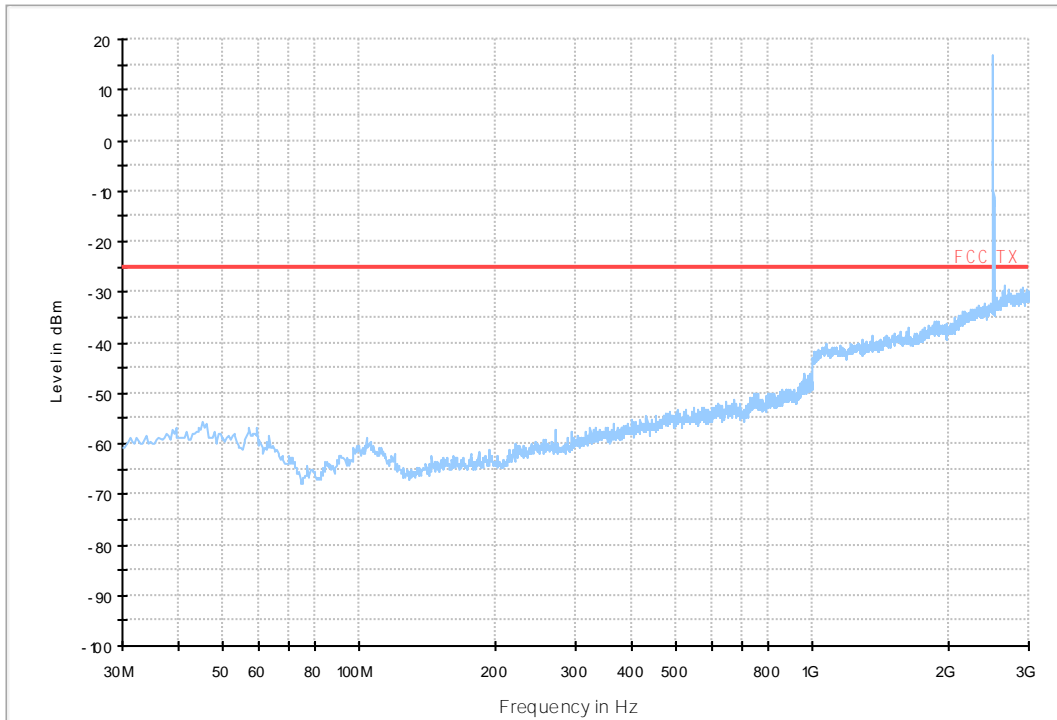


Data: 73

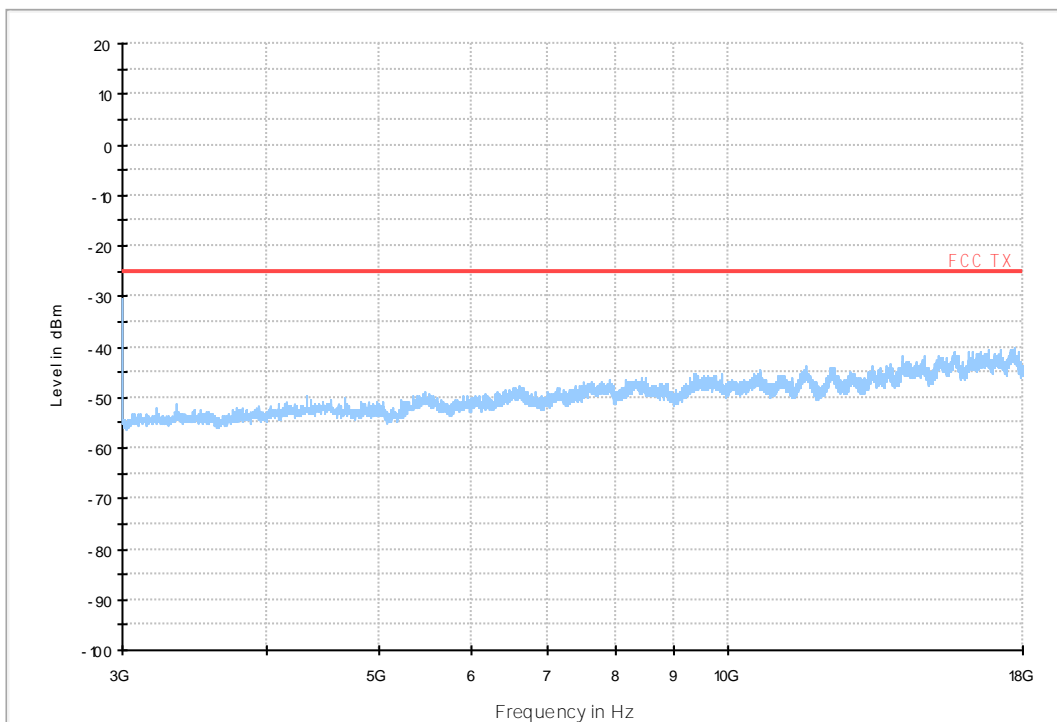


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit

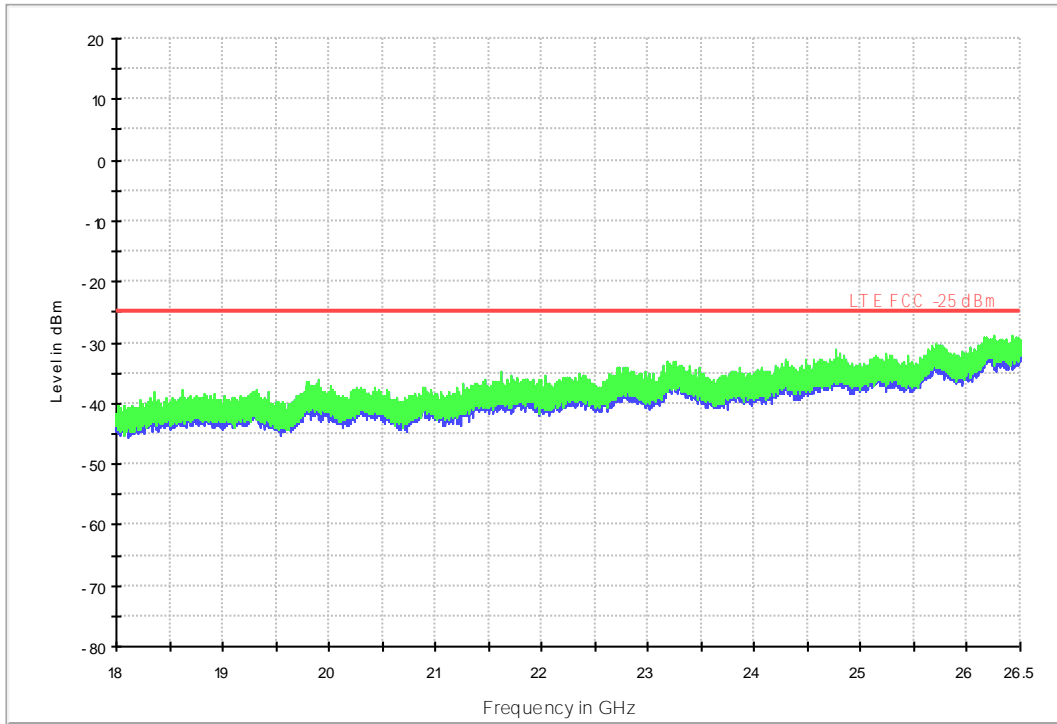


LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit





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



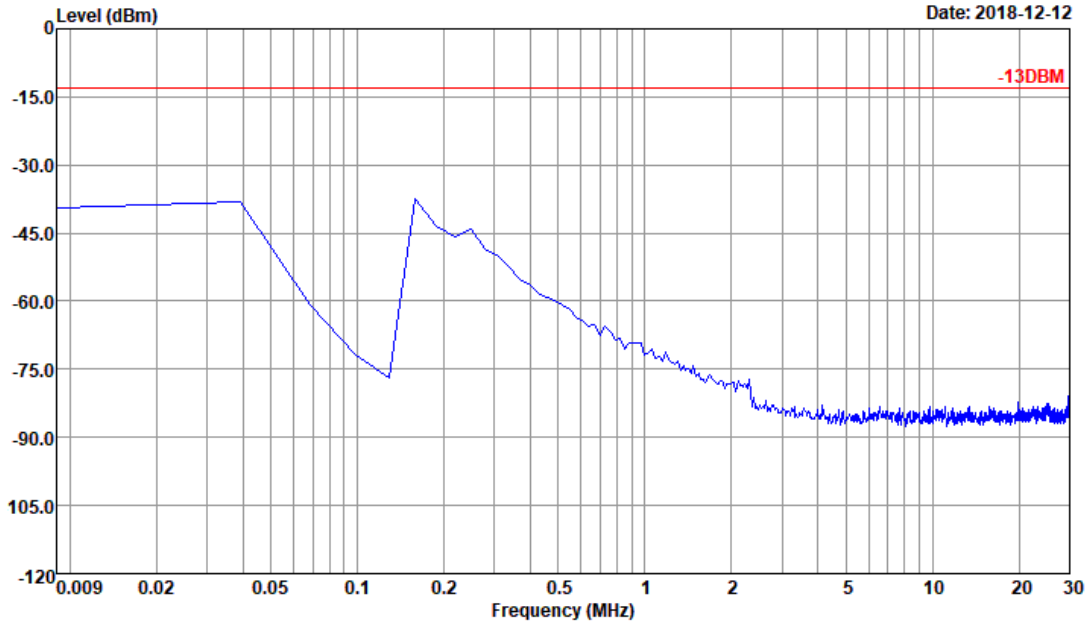




### 7.1.1.2 Test Bandwidth = 20MHz+20MHz

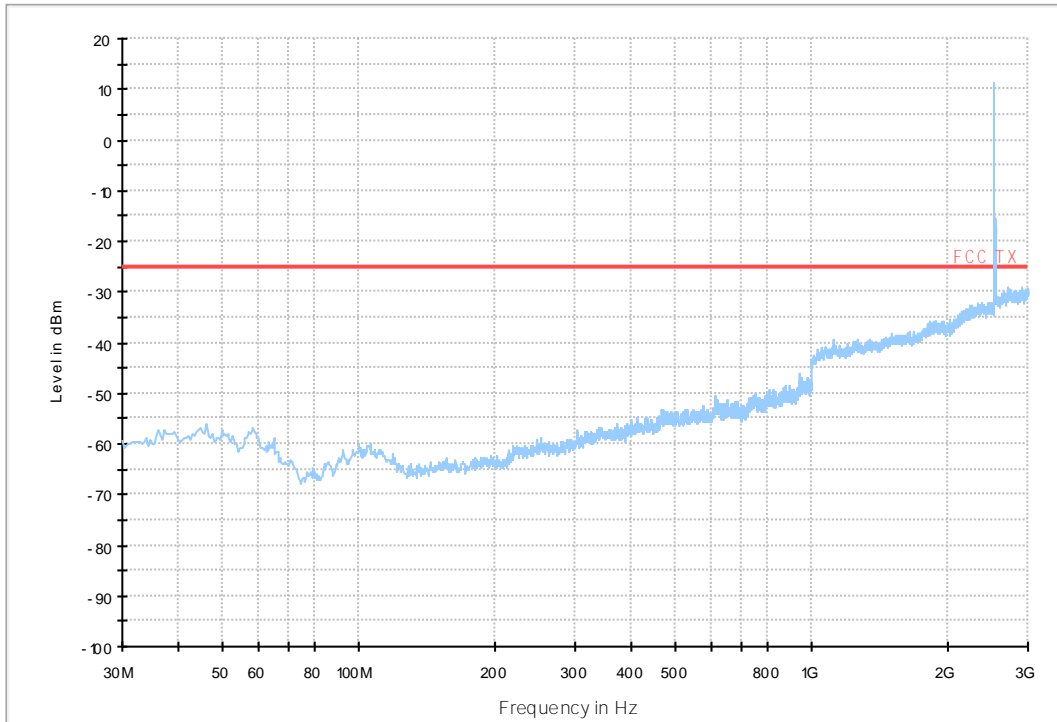


Data: 73

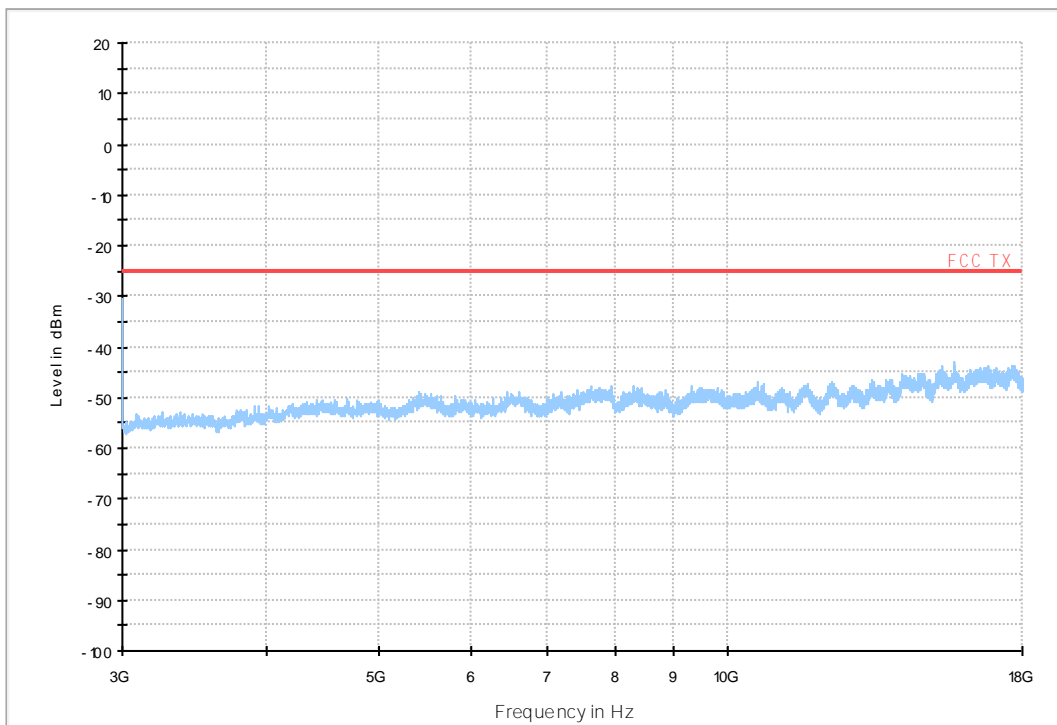


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

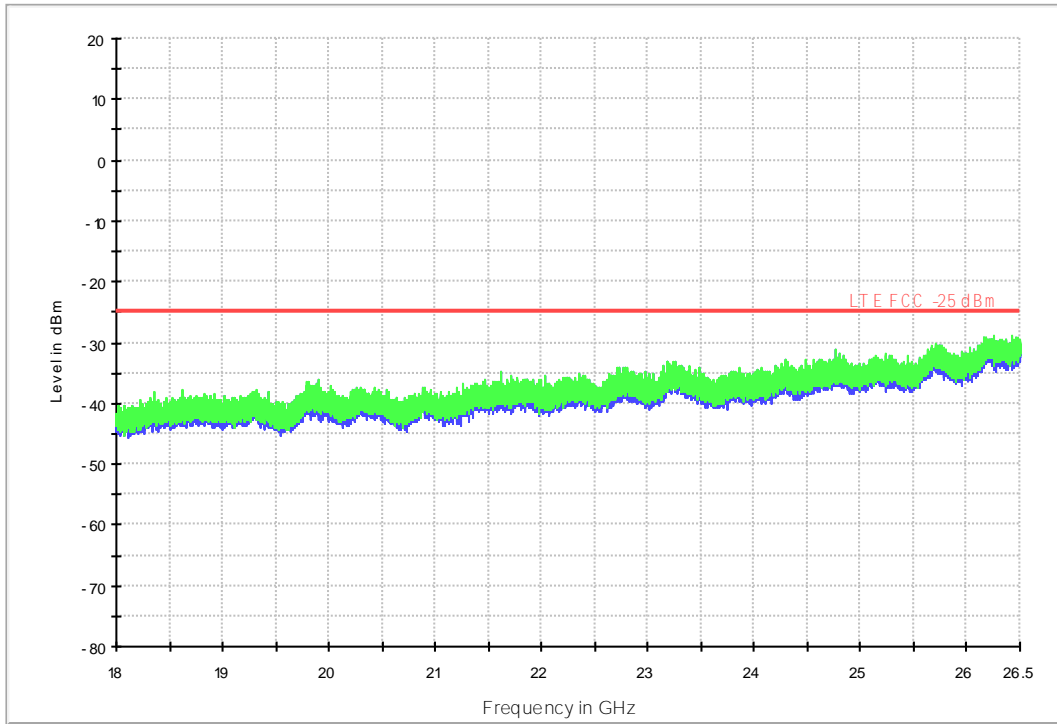
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



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



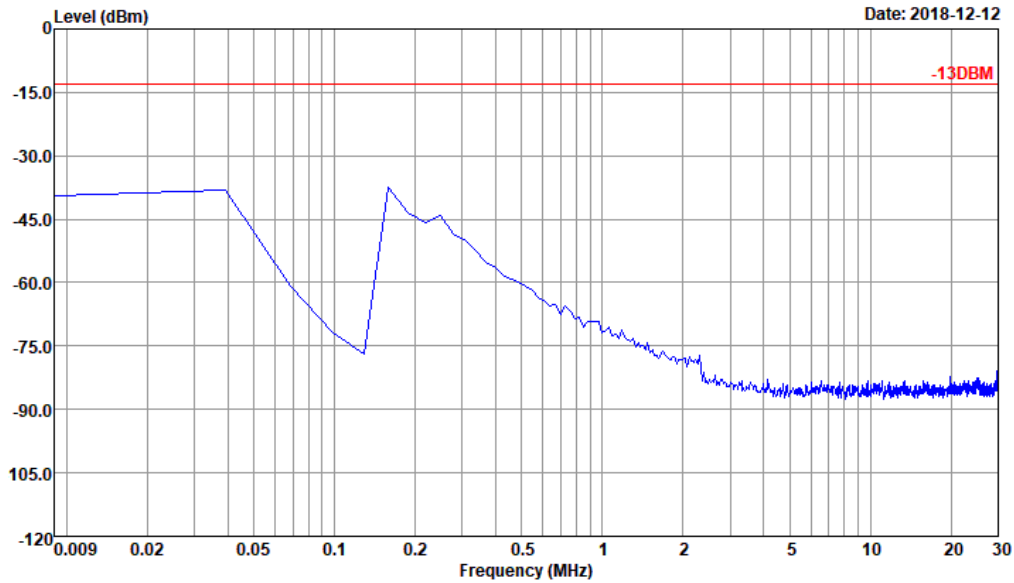
## 7.1.2 Test Band = CA\_7C\_ANT2

### 7.1.2.1 Test Bandwidth = 15MHz+15MHz



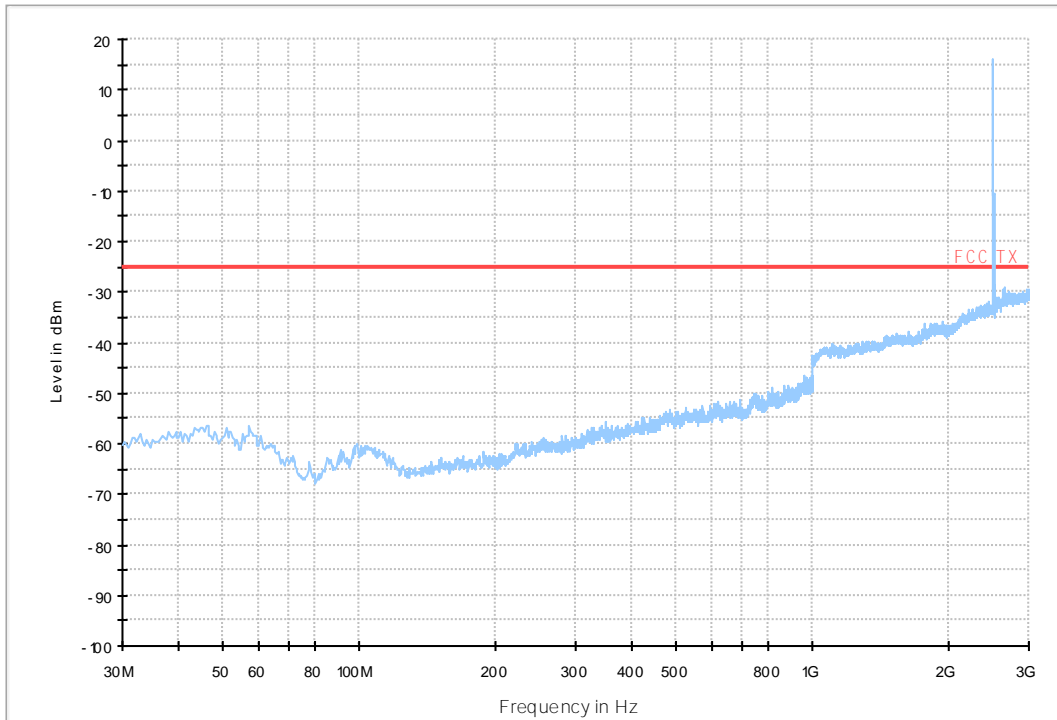
Data: 73

Date: 2018-12-12

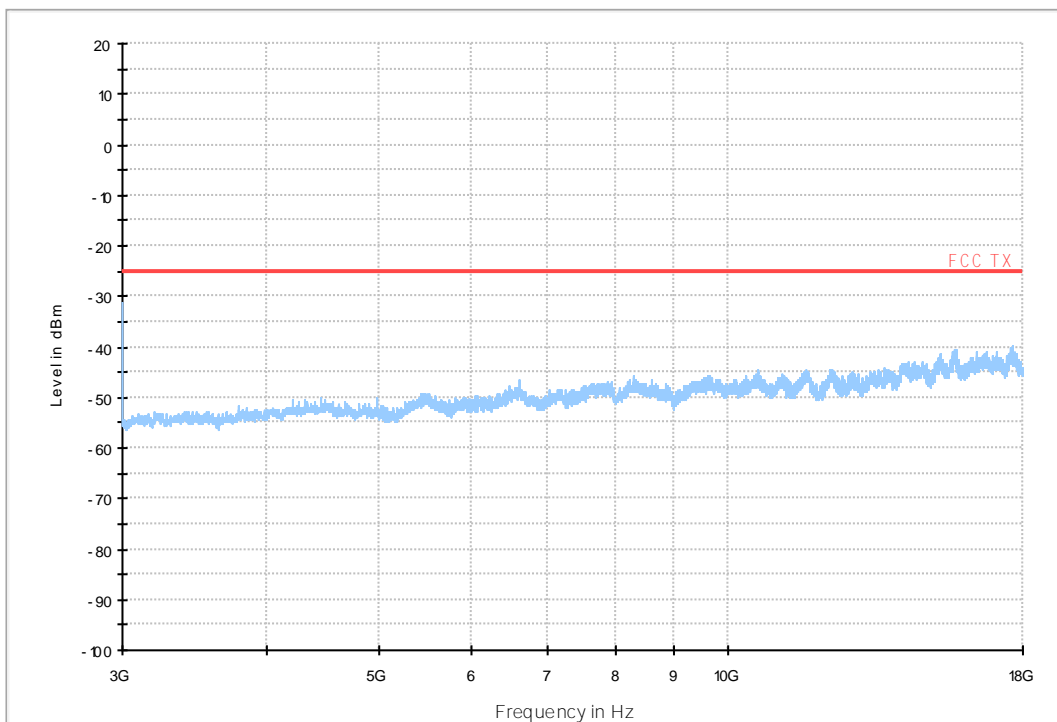


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

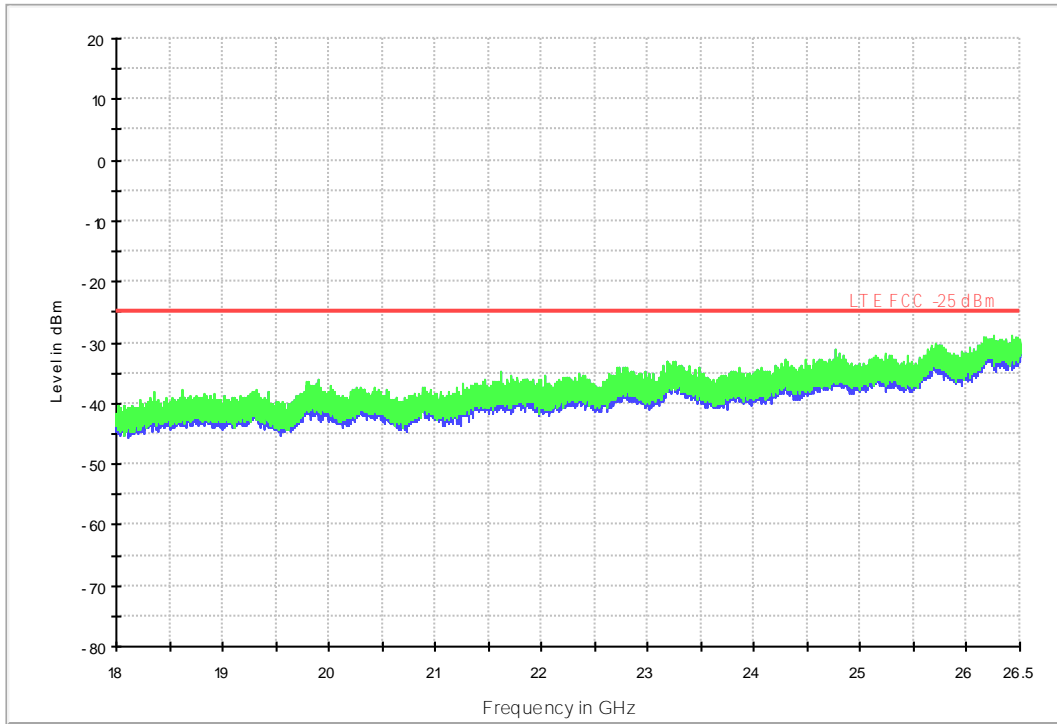
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



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

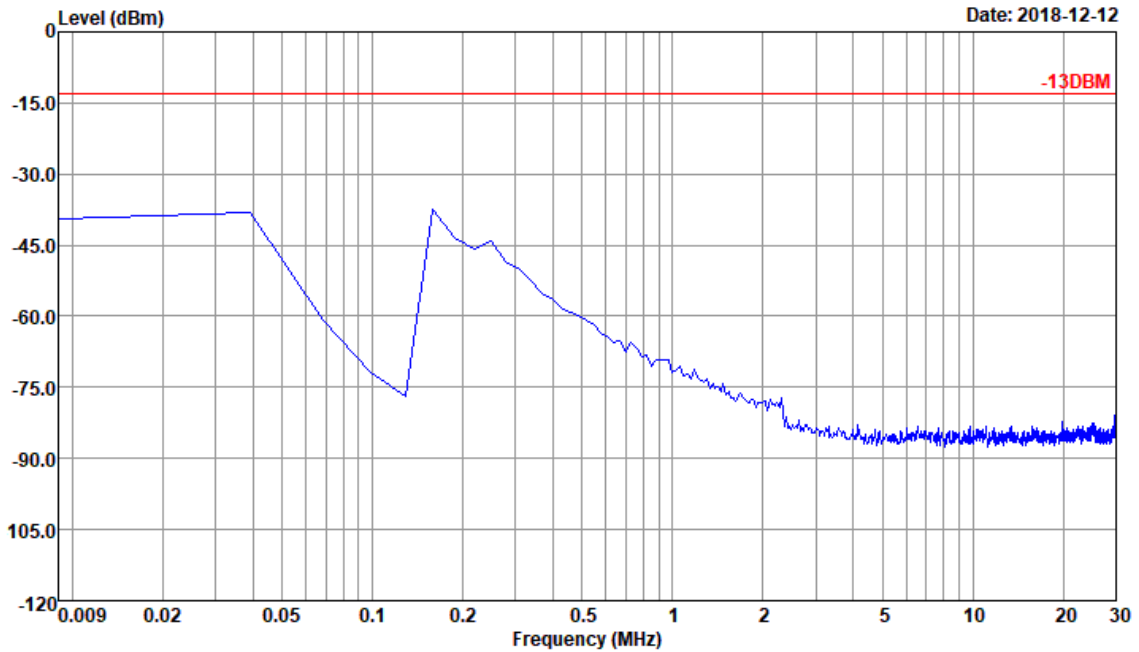


7.1.2.2 Test Bandwidth = 20MHz+20MHz



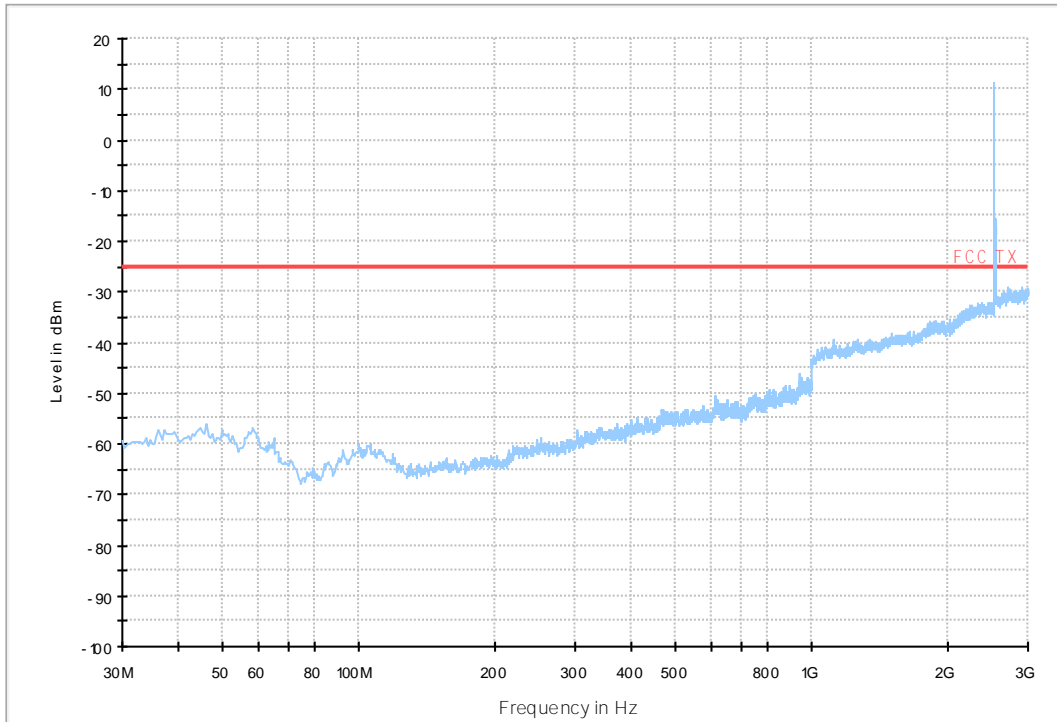


Data: 73

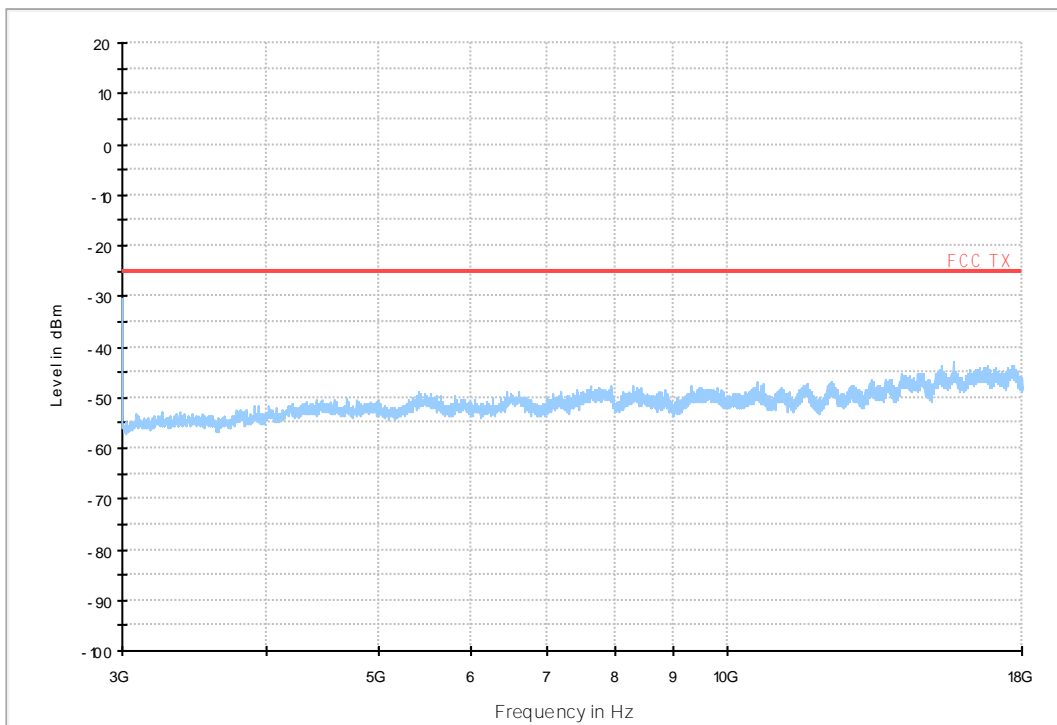


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

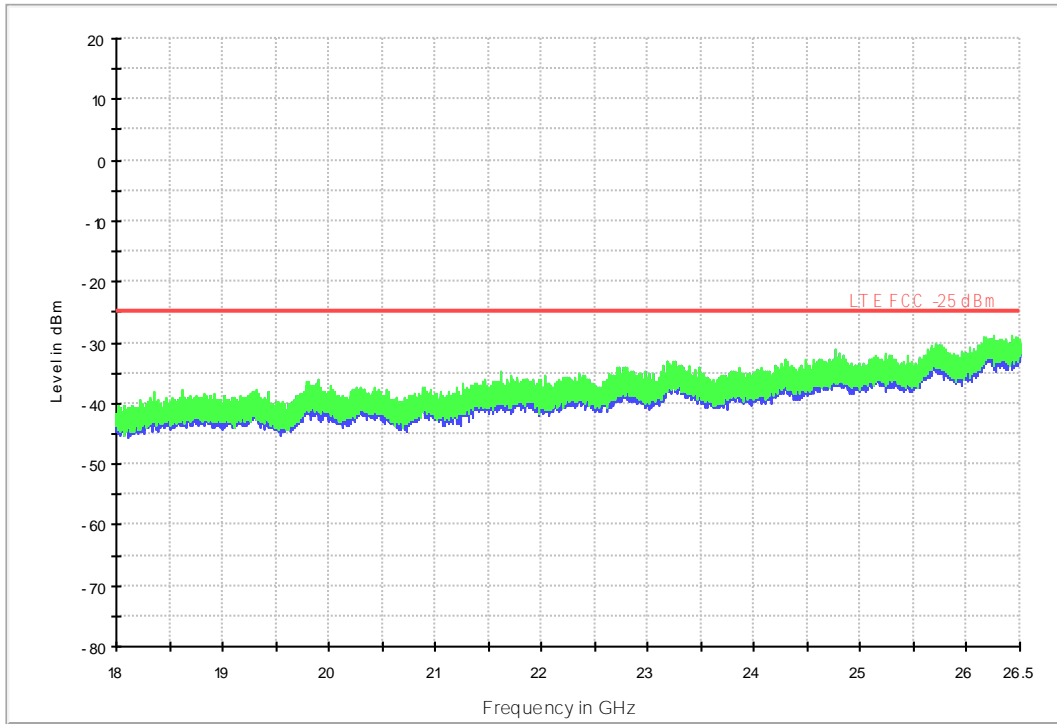
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



LTE FDD Band 7 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_7C	LTE/TM1	15MHz +15MHz z	LCH	TN	VL	-16.08000	-0.00641	PASS
					VN	-19.15000	-0.00764	PASS
					VH	-13.23000	-0.00528	PASS
			MCH	TN	VL	-14.31000	-0.00566	PASS
					VN	-10.61000	-0.00420	PASS
					VH	-15.71000	-0.00622	PASS
		HCH	TN	VL	-18.27000	-0.00717	PASS	
				VN	-15.49000	-0.00608	PASS	
				VH	-12.82000	-0.00503	PASS	
		20MHz +20MHz z	LCH	TN	VL	-13.25000	-0.00528	PASS
					VN	-12.40000	-0.00494	PASS
					VH	-13.59000	-0.00541	PASS
			MCH	TN	VL	-19.28000	-0.00764	PASS
					VN	-15.99000	-0.00633	PASS
					VH	-16.68000	-0.00661	PASS
			HCH	TN	VL	-17.14000	-0.00675	PASS
					VN	-12.36000	-0.00487	PASS
					VH	-12.26000	-0.00483	PASS
	LTE/TM2	15MHz +15MHz z	LCH	TN	VL	-4.76000	-0.00190	PASS
					VN	-11.23000	-0.00448	PASS
					VH	-12.35000	-0.00493	PASS
			MCH	TN	VL	-11.73000	-0.00464	PASS
					VN	-16.97000	-0.00671	PASS
					VH	-15.61000	-0.00618	PASS
		HCH	TN	VL	-9.91000	-0.00389	PASS	
				VN	-17.34000	-0.00681	PASS	
				VH	-9.90000	-0.00389	PASS	
20MHz +20MHz z		LCH	TN	VL	-14.06000	-0.00560	PASS	
				VN	-19.51000	-0.00777	PASS	
				VH	-12.33000	-0.00491	PASS	
	MCH	TN	VL	-11.06000	-0.00438	PASS		
			VN	-13.92000	-0.00551	PASS		
			VH	-13.92000	-0.00551	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	-12.93000	-0.00512	PASS
					VL	-5.85000	-0.00230	PASS
					VN	-15.36000	-0.00605	PASS
					VH	-13.05000	-0.00514	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_7C	LTE/TM1	15MHz+15MHz	LCH	VN	-30	-0.39000	-0.00016	PASS
					-20	-12.65000	-0.00504	PASS
					-10	-13.80000	-0.00550	PASS
					0	-13.82000	-0.00551	PASS
					10	-14.18000	-0.00566	PASS
					20	-19.15000	-0.00764	PASS
					30	-17.78000	-0.00709	PASS
					40	-1.07000	-0.00043	PASS
			50	-1.33000	-0.00053	PASS		
			MCH	VN	-30	-13.80000	-0.00546	PASS
					-20	-20.17000	-0.00798	PASS
					-10	-12.53000	-0.00496	PASS
					0	-15.76000	-0.00624	PASS
					10	-14.09000	-0.00557	PASS
					20	-10.61000	-0.00420	PASS
					30	-13.52000	-0.00535	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-18.9300 0	-0.00749	PASS
					50	-12.8500 0	-0.00508	PASS
			HCH	VN	-30	-11.2300 0	-0.00441	PASS
					-20	-14.4100 0	-0.00566	PASS
					-10	-14.2200 0	-0.00558	PASS
					0	-16.4800 0	-0.00647	PASS
					10	-18.2800 0	-0.00718	PASS
					20	-15.4900 0	-0.00608	PASS
					30	-14.4600 0	-0.00568	PASS
					40	-18.7100 0	-0.00734	PASS
					50	-1.12000 0	-0.00044	PASS
		20MHz+20MHz z	LCH	VN	-30	-17.7500 0	-0.00707	PASS
					-20	-9.71000 0	-0.00387	PASS
					-10	-13.2300 0	-0.00527	PASS
					0	-18.1200 0	-0.00722	PASS
					10	-9.83000 0	-0.00392	PASS
					20	-12.4000 0	-0.00494	PASS
					30	-18.9000 0	-0.00753	PASS
					40	-13.7000 0	-0.00546	PASS
			50	-11.7000 0	-0.00466	PASS		
			MCH	VN	-30	-14.1300 0	-0.00560	PASS
					-20	-15.5600 0	-0.00616	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
						0		
					-10	-14.2500 0	-0.00564	PASS
					0	-36.8200 0	-0.01458	PASS
					10	-12.1500 0	-0.00481	PASS
					20	-15.9900 0	-0.00633	PASS
					30	-13.8300 0	-0.00548	PASS
					40	-8.77000	-0.00347	PASS
			50		-16.1400 0	-0.00639	PASS	
			HCH		-30	-16.8800 0	-0.00665	PASS
					-20	-13.6000 0	-0.00535	PASS
					-10	-16.8100 0	-0.00662	PASS
					0	-15.6200 0	-0.00615	PASS
					10	-14.3900 0	-0.00566	PASS
					20	-12.3600 0	-0.00487	PASS
	30	-17.3700 0		-0.00684	PASS			
	LCH	40	-2.03000	-0.00080	PASS			
		50	-15.6200 0	-0.00615	PASS			
		-30	-18.2400 0	-0.00727	PASS			
		-20	-19.1400 0	-0.00763	PASS			
		-10	-20.2000 0	-0.00806	PASS			
0		-18.3800 0	-0.00733	PASS				
	10	-17.7000	-0.00706	PASS				





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
						0				
					20	-11.2300 0	-0.00448	PASS		
					30	-17.6000 0	-0.00702	PASS		
					40	-1.36000	-0.00054	PASS		
					50	-15.6400 0	-0.00624	PASS		
			MCH	VN	-30	-12.5900 0	-0.00498	PASS		
							-20	-16.6700 0	-0.00660	PASS
							-10	-14.1200 0	-0.00559	PASS
							0	-19.0100 0	-0.00752	PASS
							10	-19.4100 0	-0.00768	PASS
							20	-16.9700 0	-0.00671	PASS
							30	-14.7100 0	-0.00582	PASS
							40	-15.5400 0	-0.00615	PASS
							50	-17.8400 0	-0.00706	PASS
			HCH	VN	-30	-18.9700 0	-0.00745	PASS		
							-20	-20.4600 0	-0.00803	PASS
							-10	-17.1700 0	-0.00674	PASS
							0	-17.5200 0	-0.00688	PASS
							10	-19.0300 0	-0.00747	PASS
							20	-17.3400 0	-0.00681	PASS
							30	-14.5500 0	-0.00571	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-18.0000 0	-0.00707	PASS
					50	-16.4900 0	-0.00647	PASS
		20MHz+20MHz	LCH	VN	-30	-16.5900 0	-0.00661	PASS
					-20	-17.9000 0	-0.00713	PASS
					-10	-16.3200 0	-0.00650	PASS
					0	-15.0300 0	-0.00599	PASS
					10	-19.5600 0	-0.00779	PASS
					20	-19.5100 0	-0.00777	PASS
					30	-24.0600 0	-0.00959	PASS
					40	-21.4000 0	-0.00853	PASS
					50	-15.4800 0	-0.00617	PASS
			MCH	VN	-30	-19.7800 0	-0.00783	PASS
					-20	-11.7000 0	-0.00463	PASS
					-10	-18.8800 0	-0.00748	PASS
					0	-5.69000	-0.00225	PASS
					10	-13.6300 0	-0.00540	PASS
					20	-13.9200 0	-0.00551	PASS
					30	-18.4200 0	-0.00729	PASS
					40	-18.1000 0	-0.00717	PASS
					50	-19.7000 0	-0.00780	PASS
			HCH	VN	-30	-14.6800	-0.00578	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
						0		
					-20	-13.3800 0	-0.00527	PASS
					-10	-17.3700 0	-0.00684	PASS
					0	-19.2000 0	-0.00756	PASS
					10	-16.5400 0	-0.00651	PASS
					20	-15.3600 0	-0.00605	PASS
					30	-13.4500 0	-0.00529	PASS
					40	-11.3400 0	-0.00446	PASS
					50	-16.9200 0	-0.00666	PASS

END