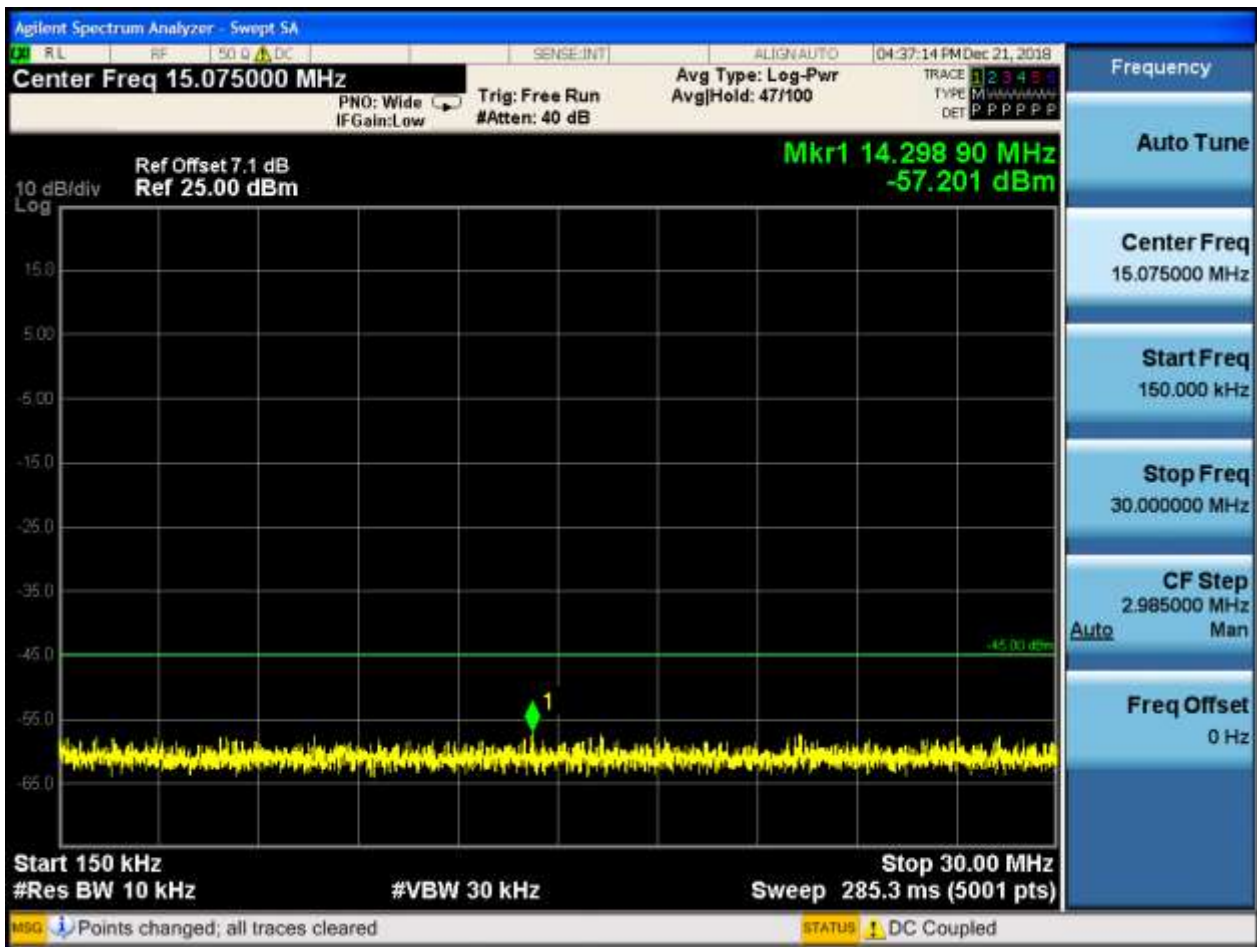




## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0



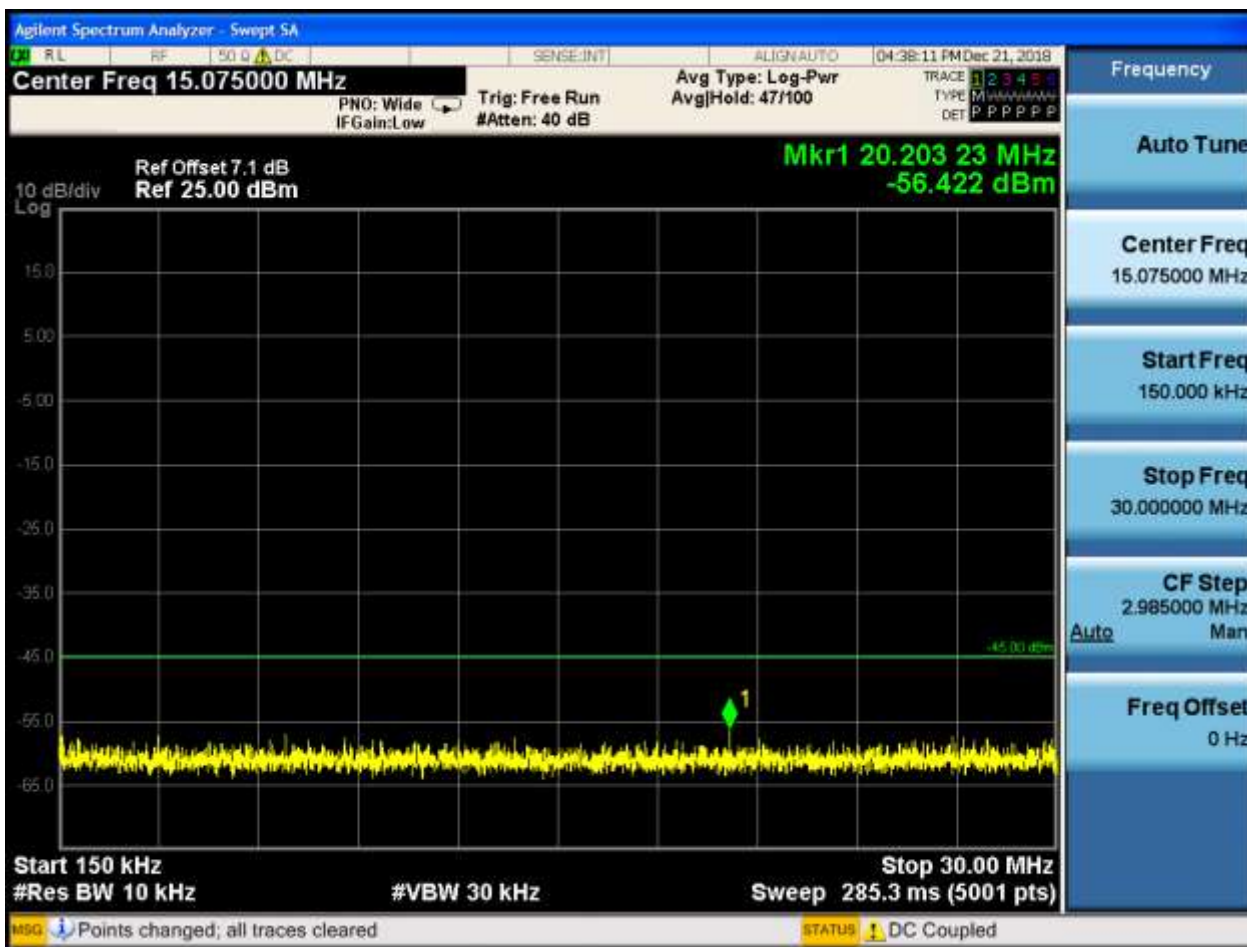




## 6.1.1.1.2.3 Test Channel = HCH

## 6.1.1.1.2.3.1 Test RB = RB1#0









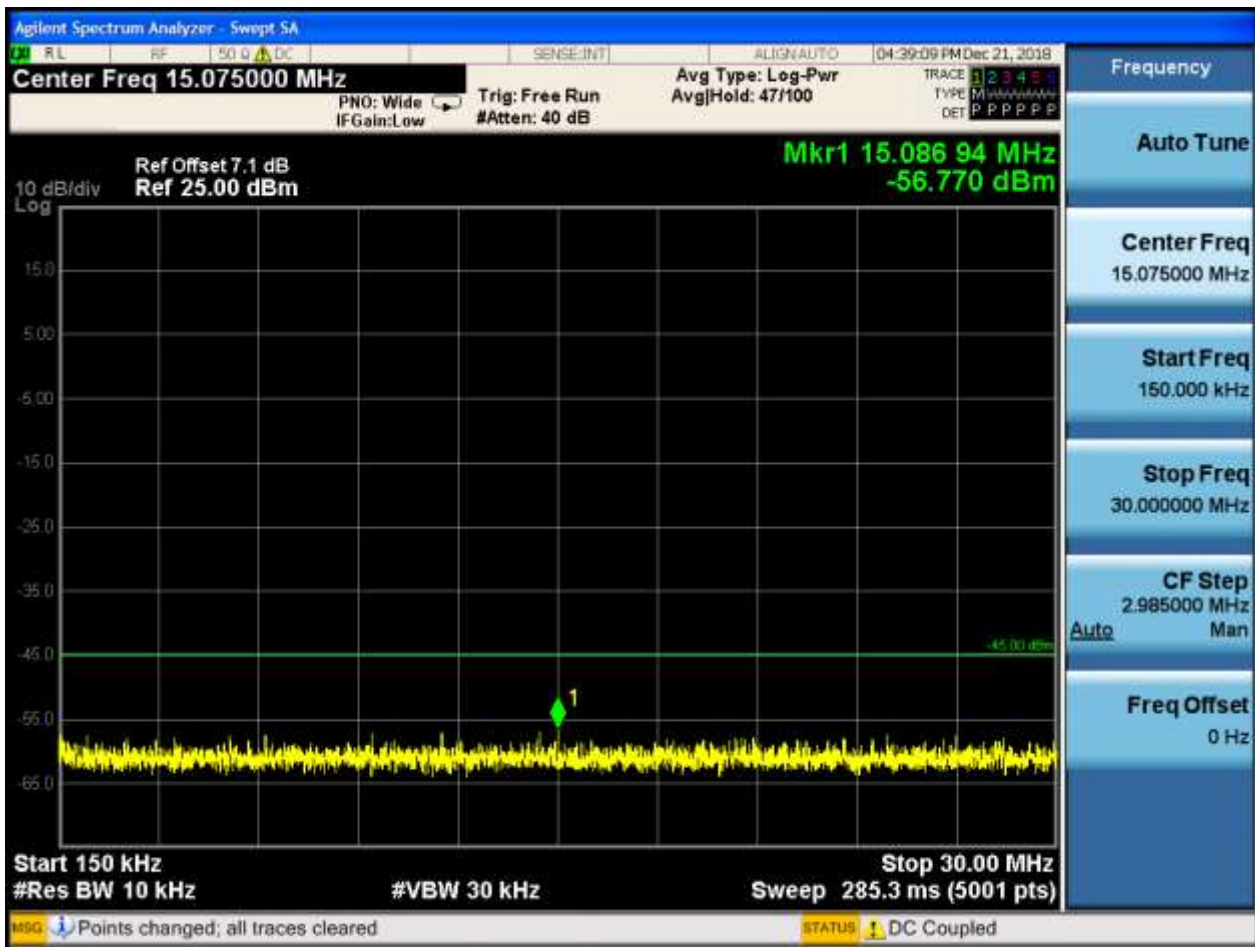
## 6.1.1.1.3 Test Bandwidth = 15

## 6.1.1.1.3.1 Test Channel = LCH

## 6.1.1.1.3.1.1 Test RB = RB1#0





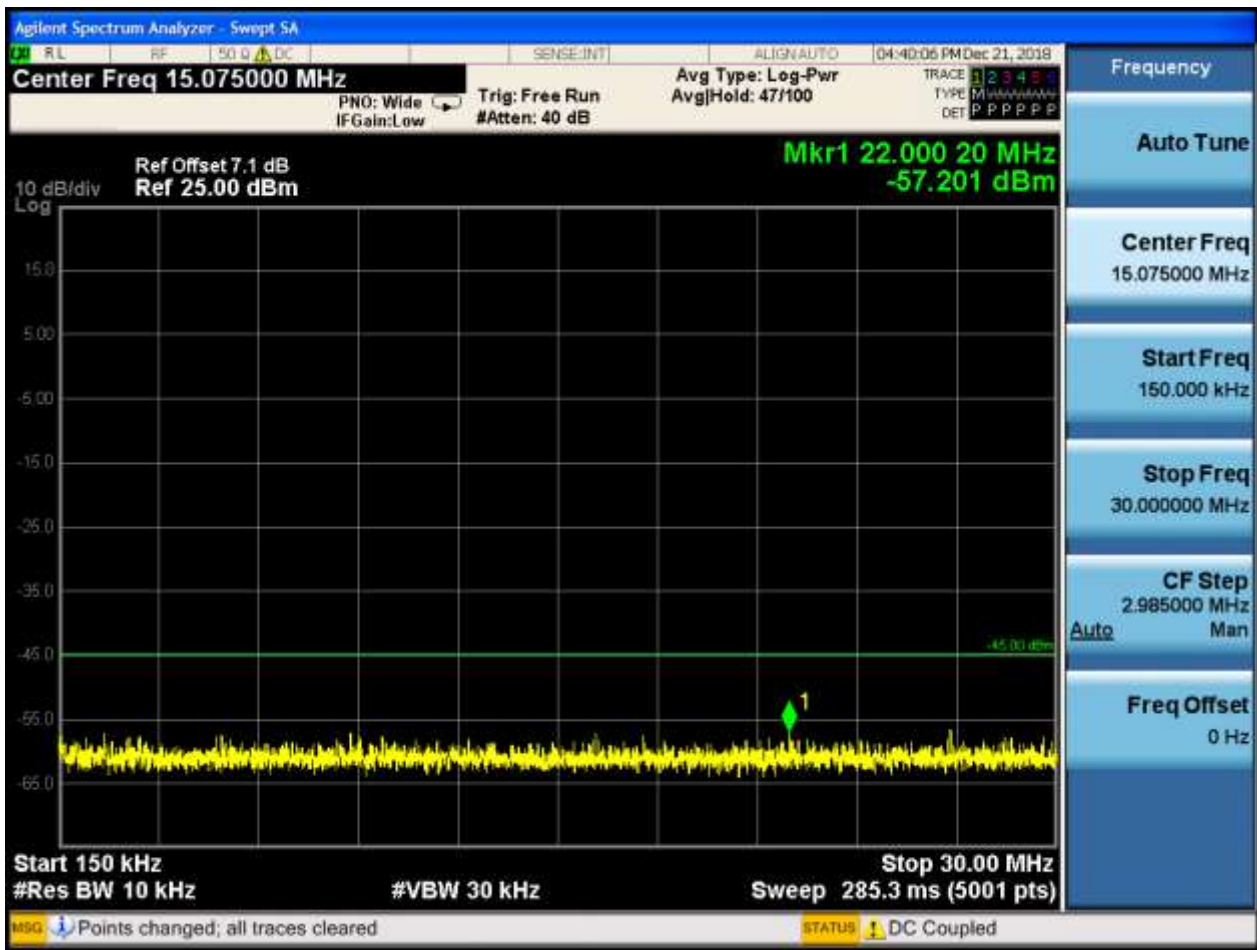




## 6.1.1.1.3.2 Test Channel = MCH

## 6.1.1.1.3.2.1 Test RB = RB1#0





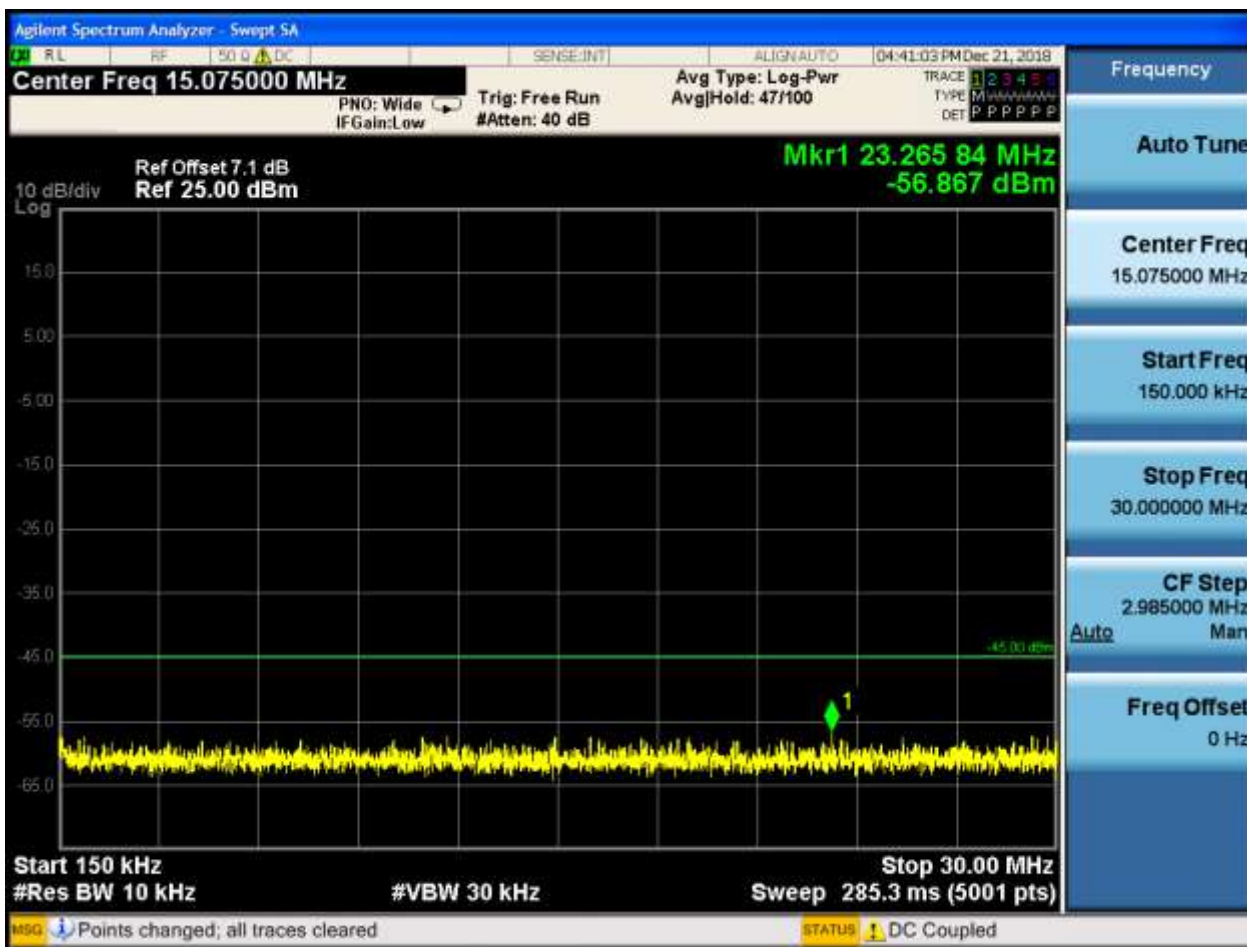


## 6.1.1.1.3.3 Test Channel = HCH

## 6.1.1.1.3.3.1 Test RB = RB1#0







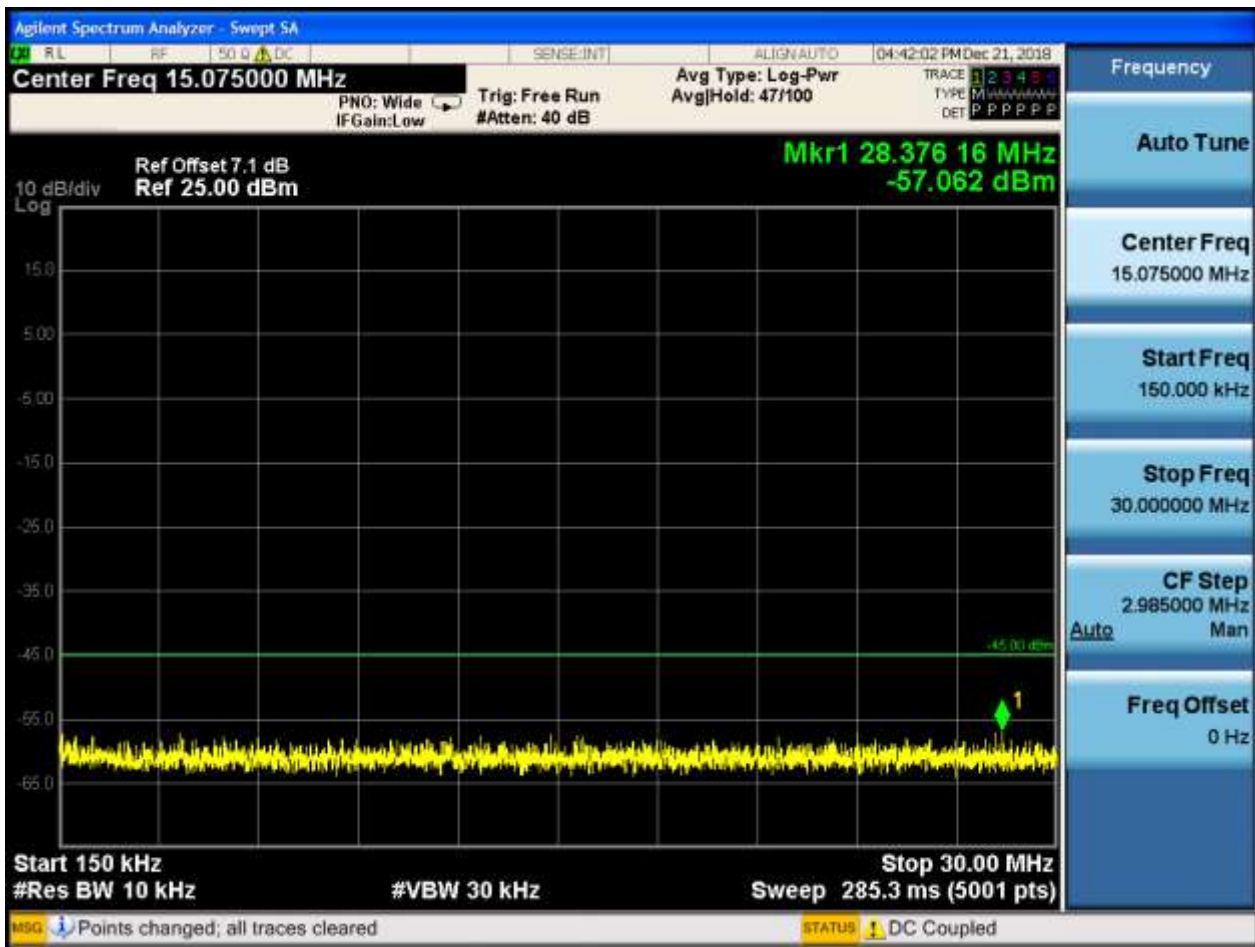


## 6.1.1.1.4 Test Bandwidth = 20

## 6.1.1.1.4.1 Test Channel = LCH

## 6.1.1.1.4.1.1 Test RB = RB1#0





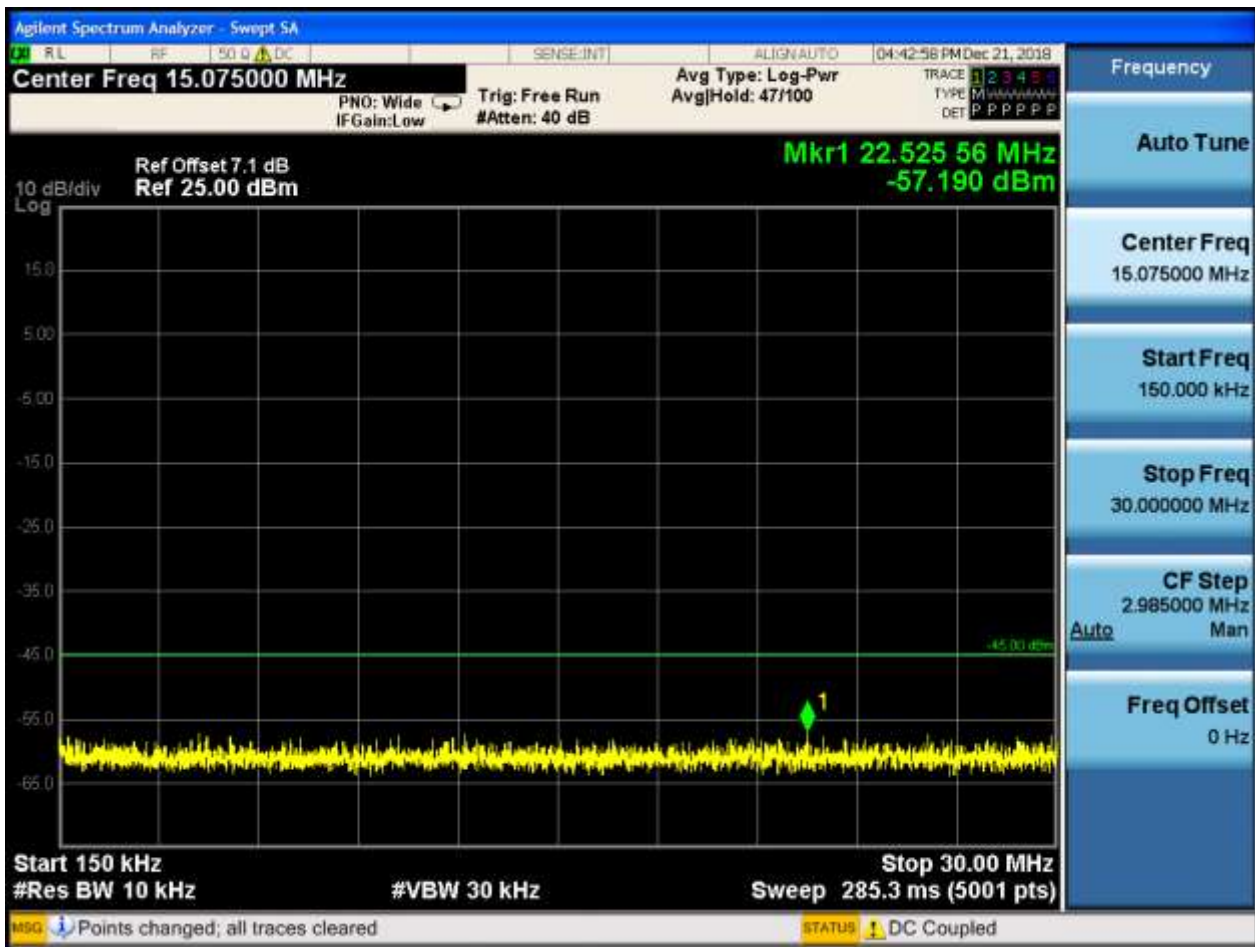


## 6.1.1.1.4.2 Test Channel = MCH

## 6.1.1.1.4.2.1 Test RB = RB1#0





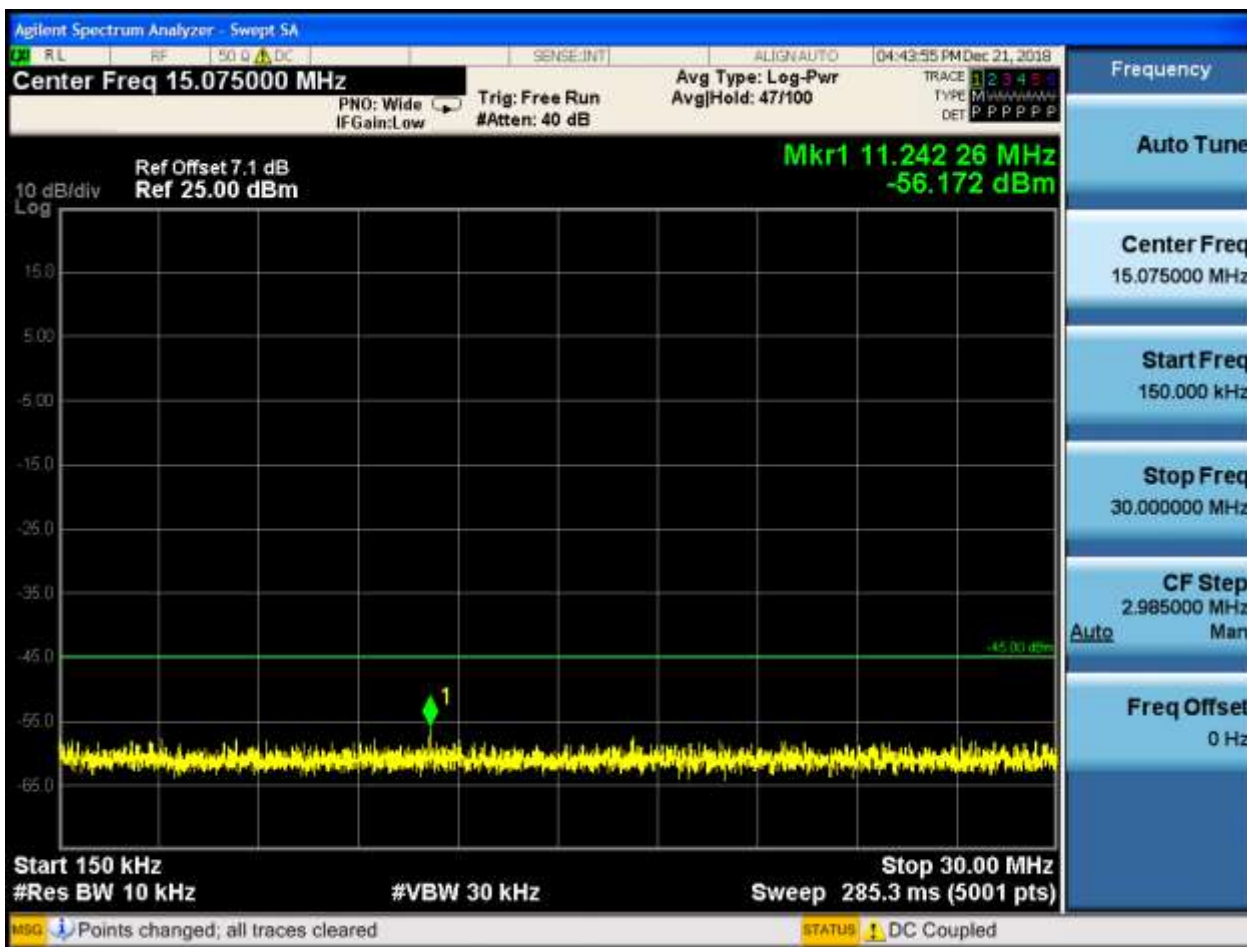




## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0







## 6.1.1.2 Test Mode = LTE/TM2

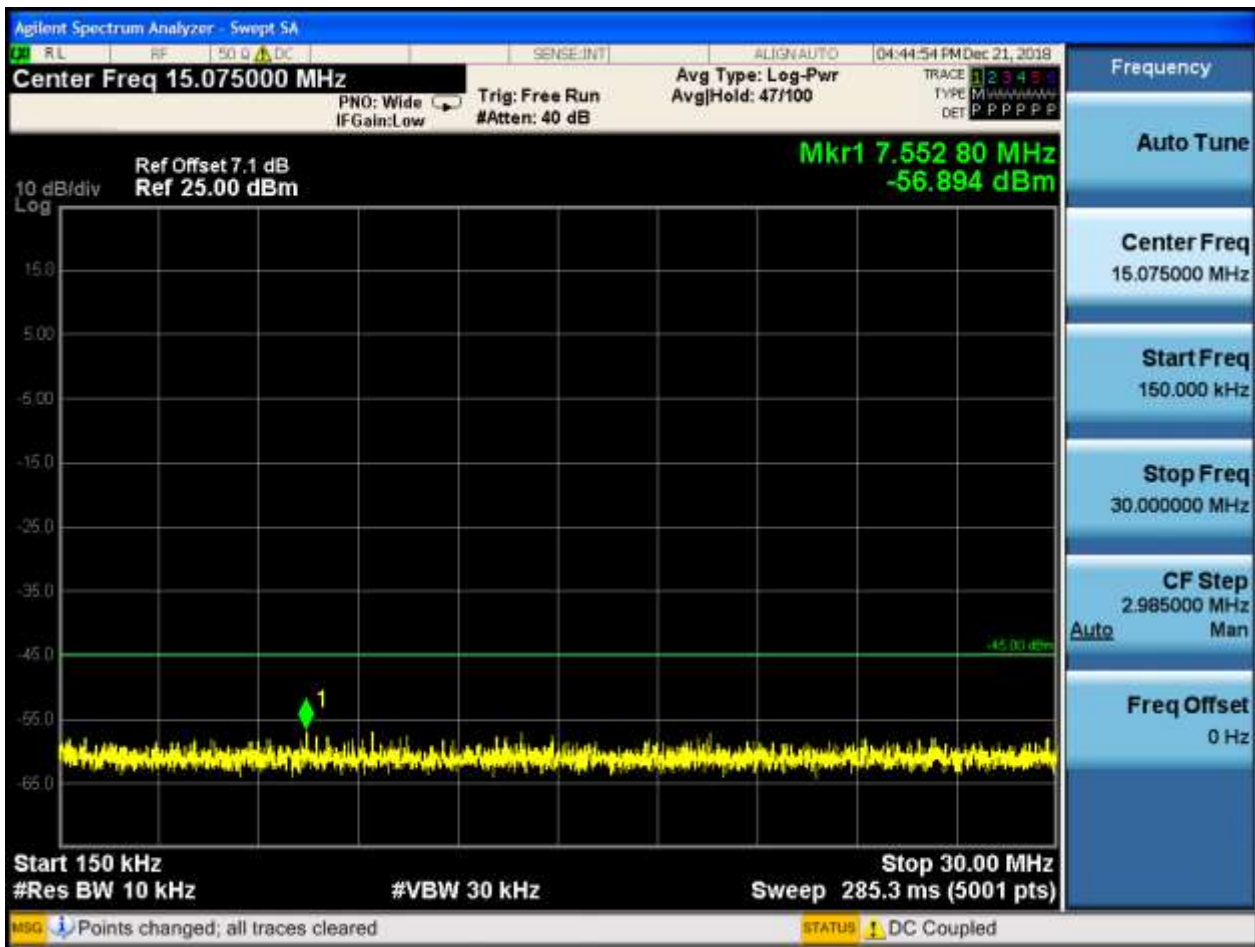
## 6.1.1.2.1 Test Bandwidth = 5

## 6.1.1.2.1.1 Test Channel = LCH

## 6.1.1.2.1.1.1 Test RB = RB1#0





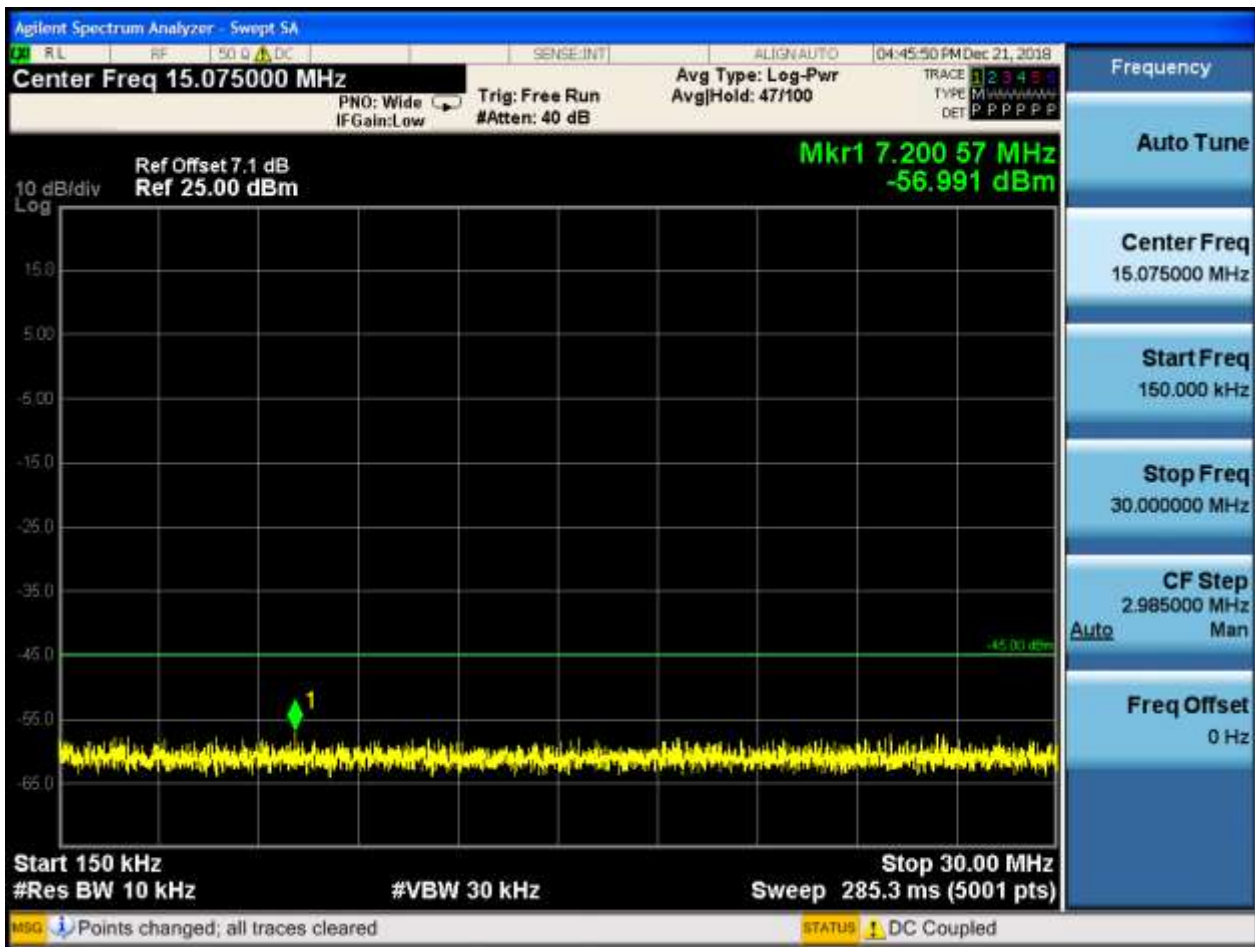




## 6.1.1.2.1.2 Test Channel = MCH

## 6.1.1.2.1.2.1 Test RB = RB1#0





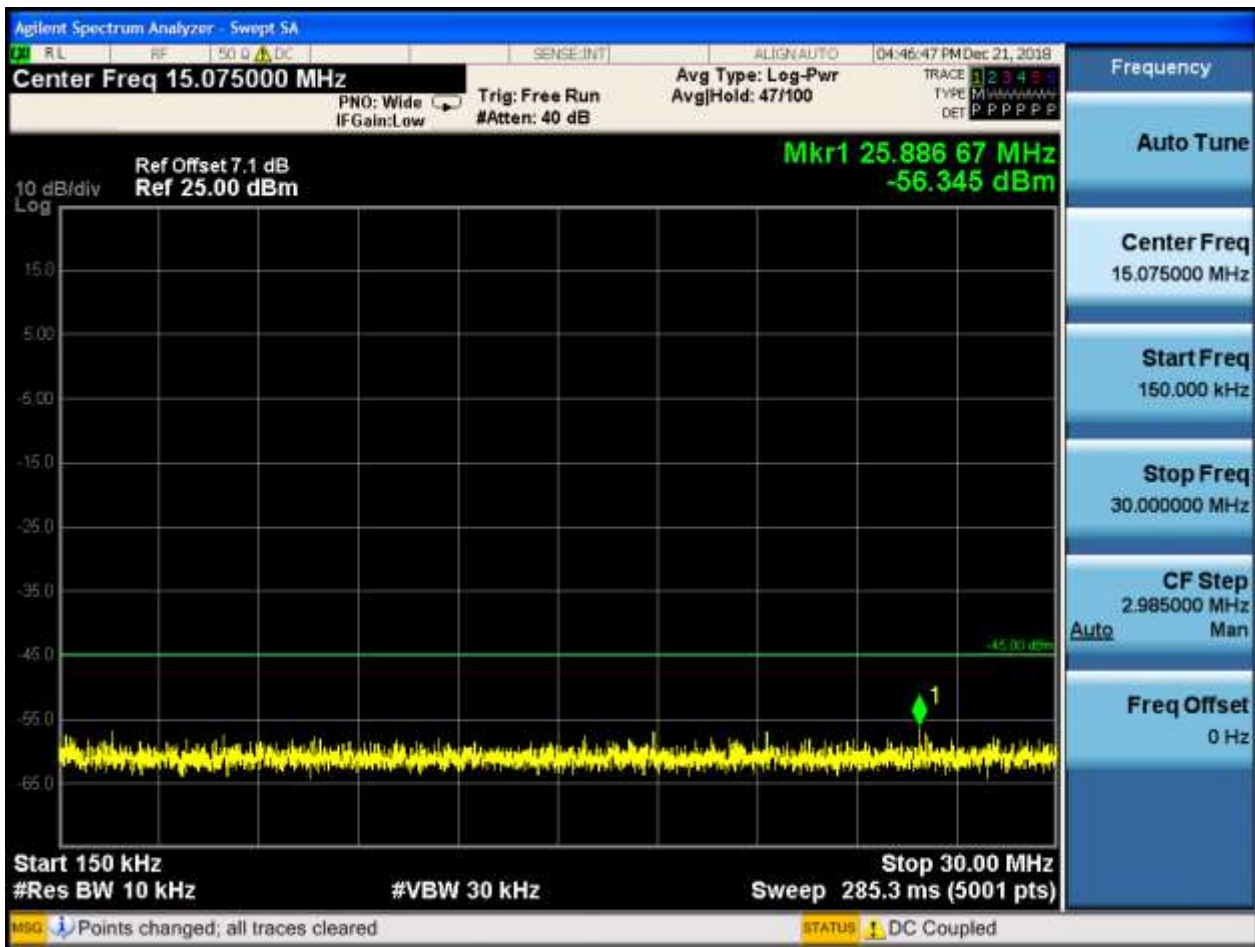


## 6.1.1.2.1.3 Test Channel = HCH

## 6.1.1.2.1.3.1 Test RB = RB1#0







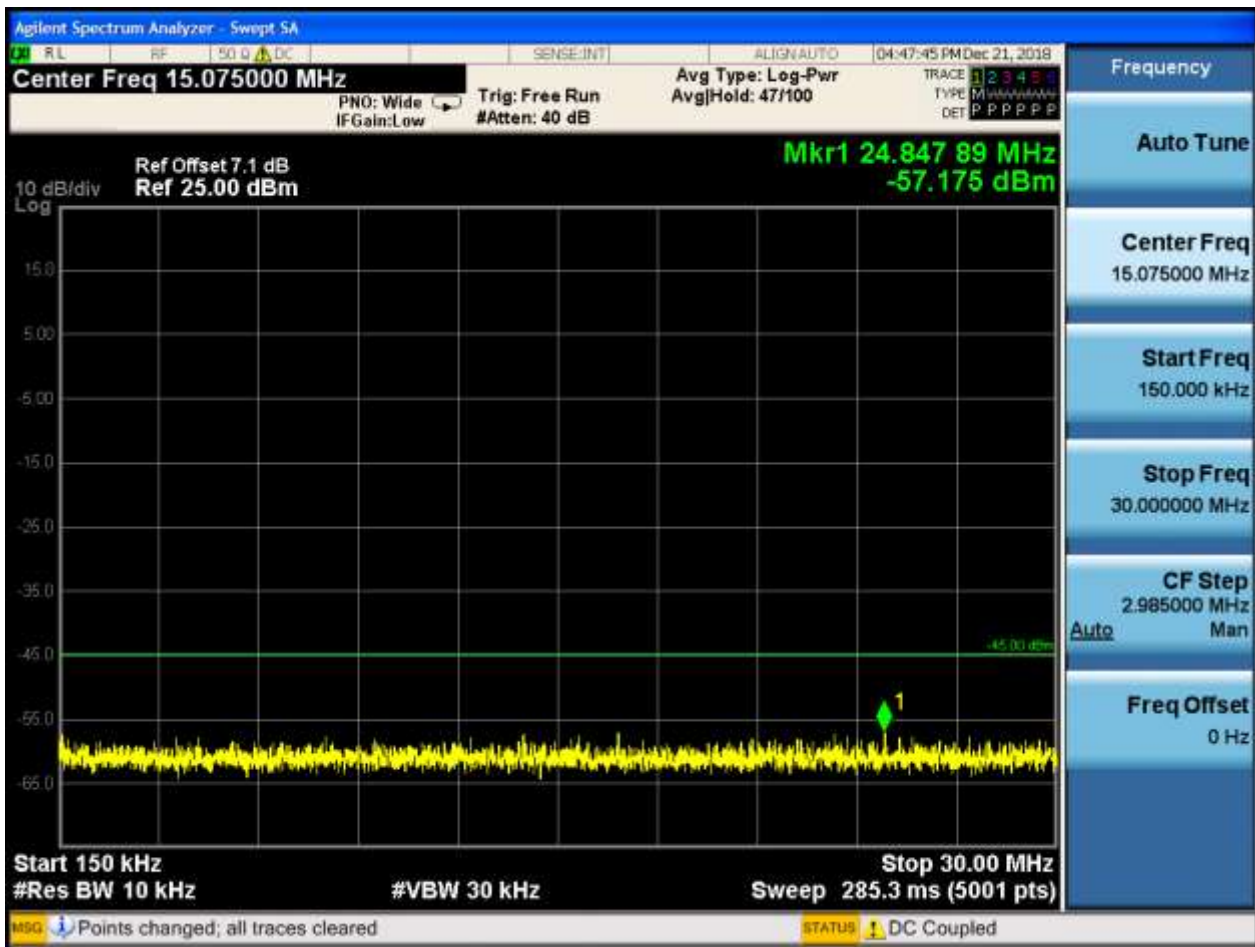


## 6.1.1.2.2 Test Bandwidth = 10

## 6.1.1.2.2.1 Test Channel = LCH

## 6.1.1.2.2.1.1 Test RB = RB1#0





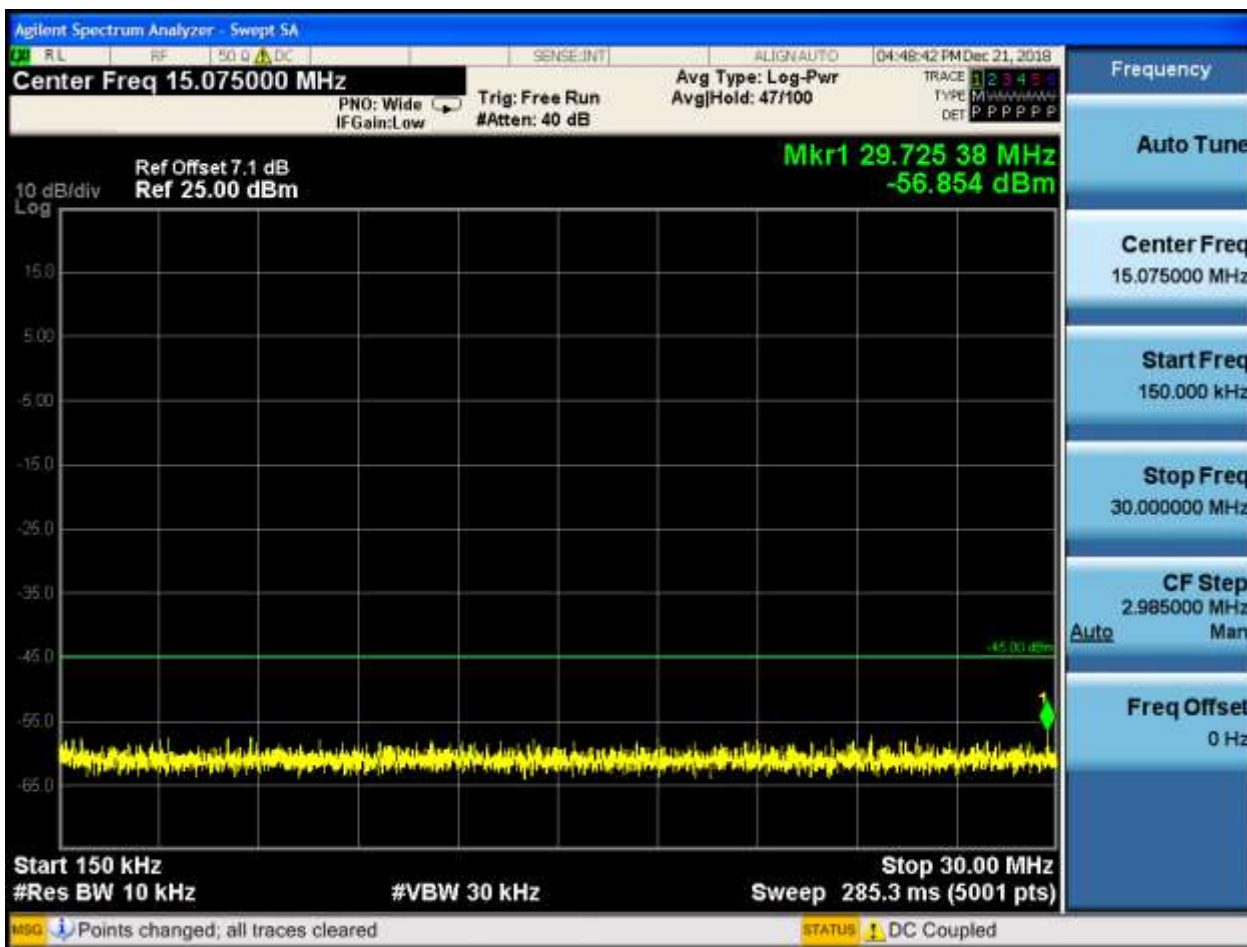


## 6.1.1.2.2.2 Test Channel = MCH

## 6.1.1.2.2.2.1 Test RB = RB1#0





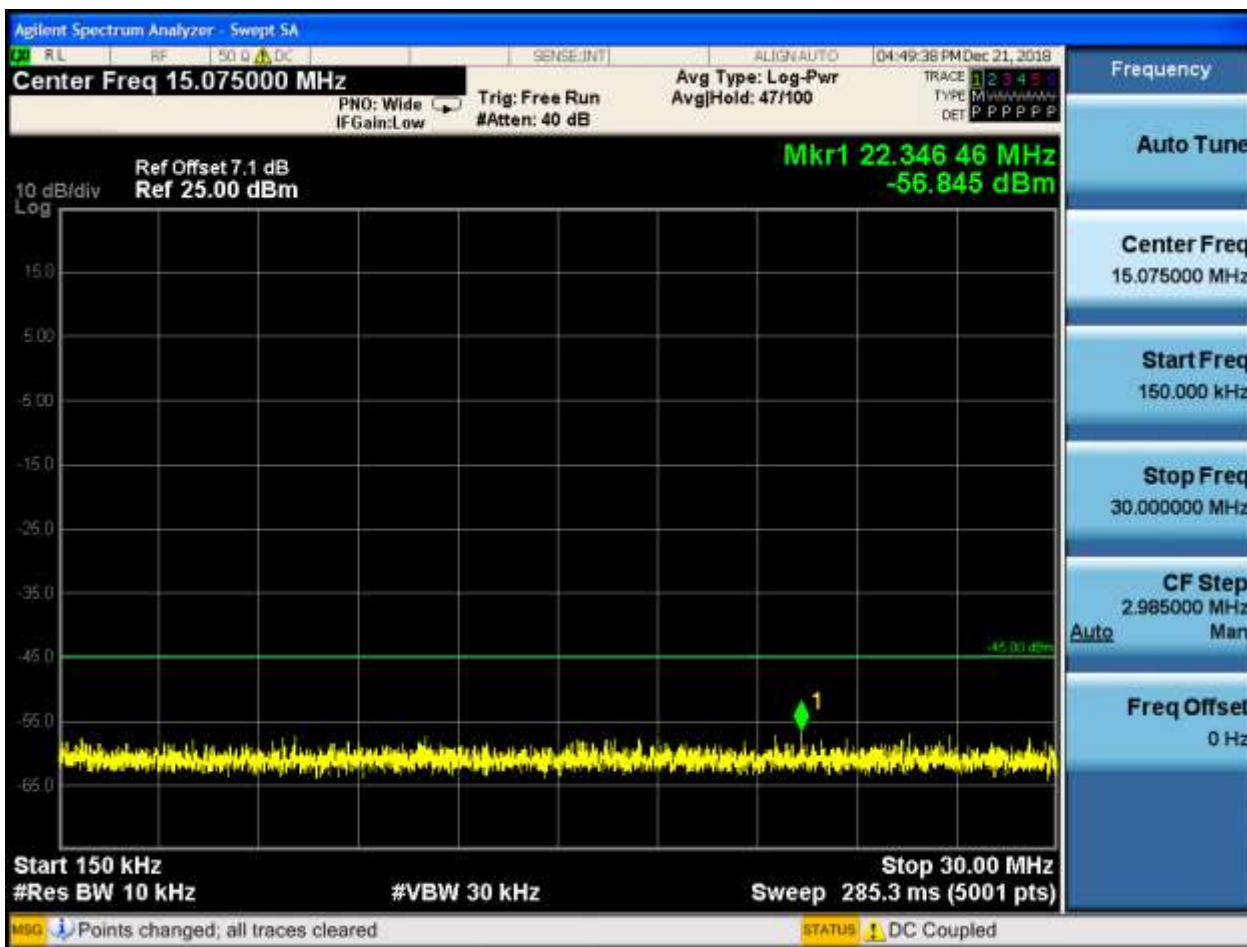




## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0







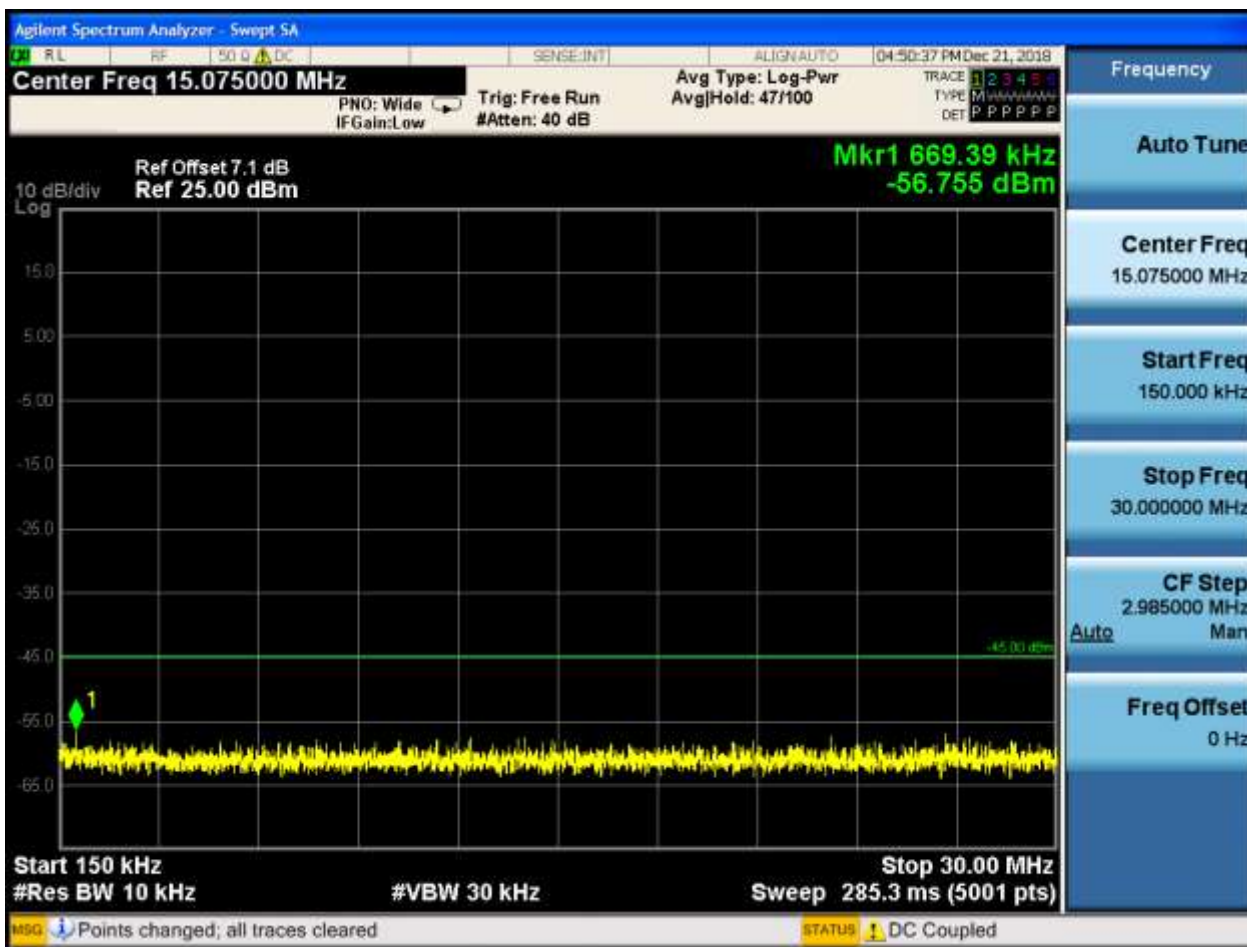
## 6.1.1.2.3 Test Bandwidth = 15

## 6.1.1.2.3.1 Test Channel = LCH

## 6.1.1.2.3.1.1 Test RB = RB1#0





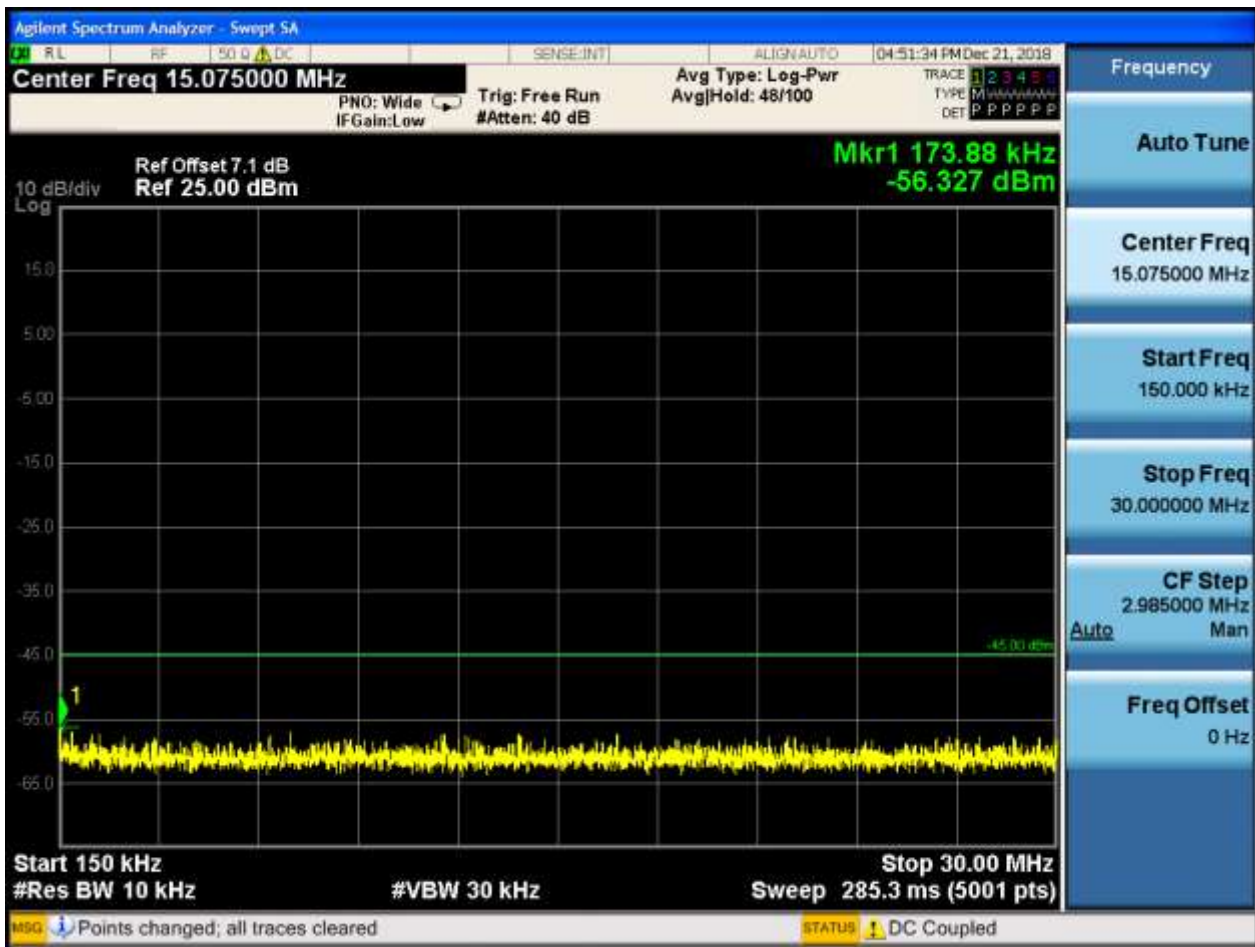




## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0





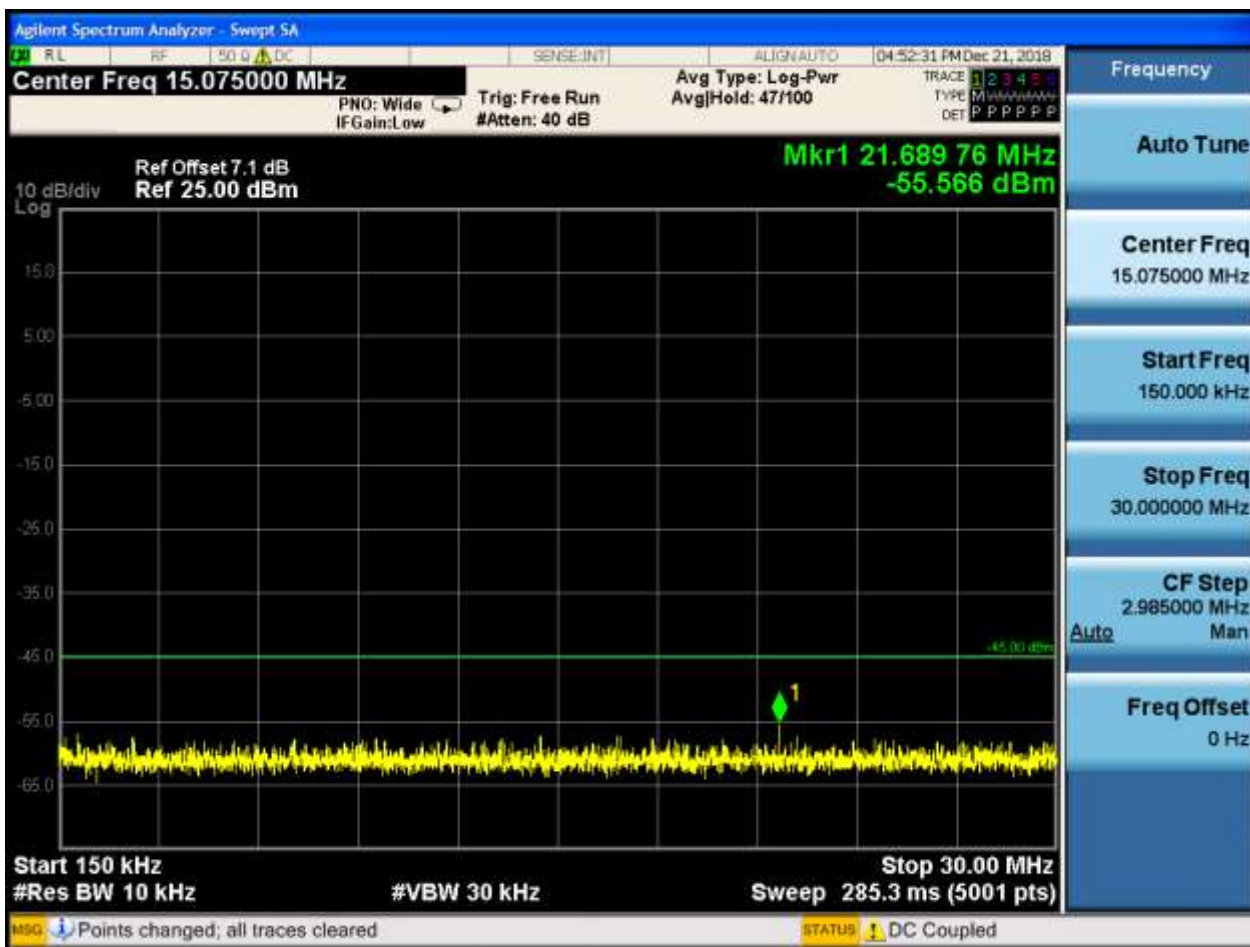


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0







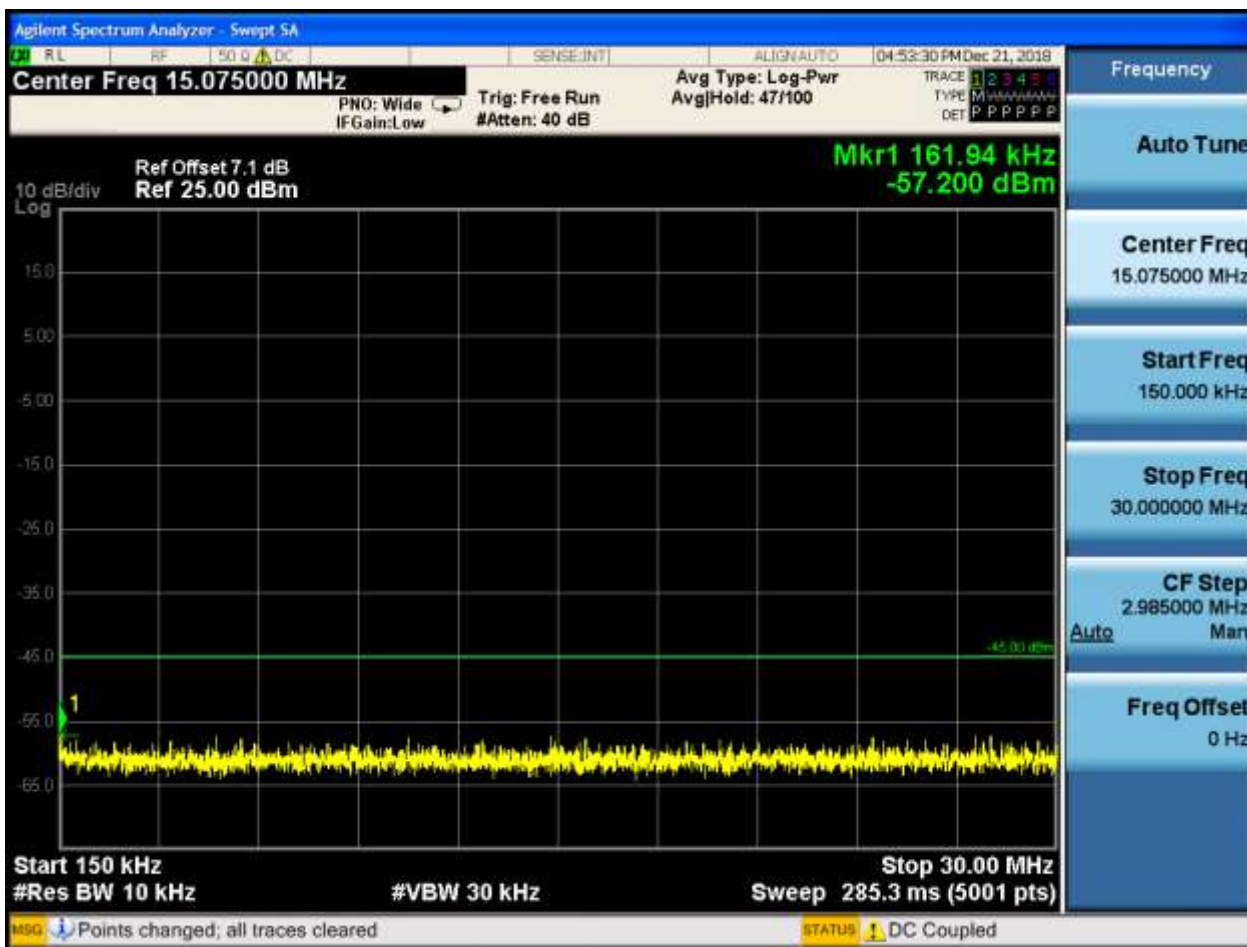


## 6.1.1.2.4 Test Bandwidth = 20

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0





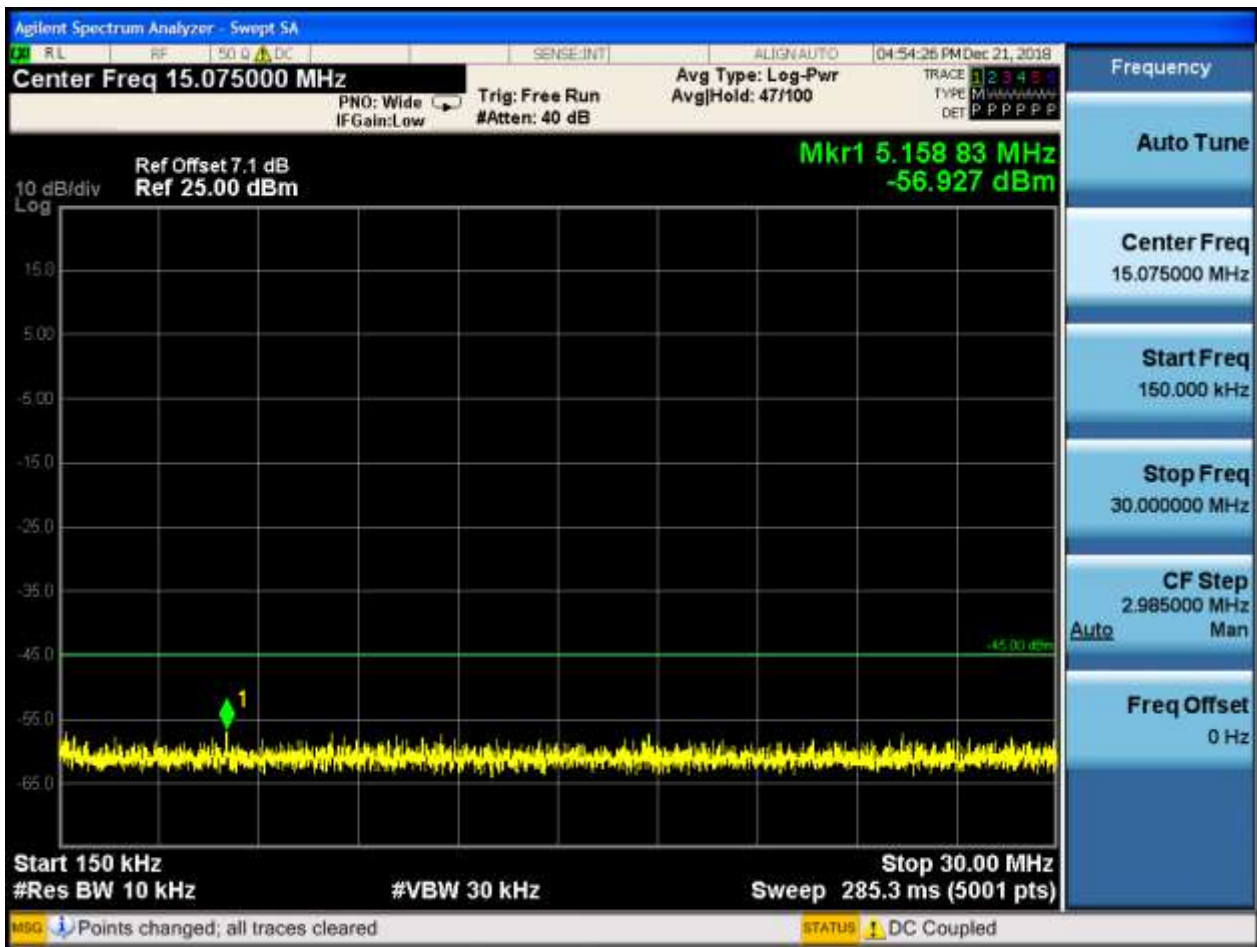


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0





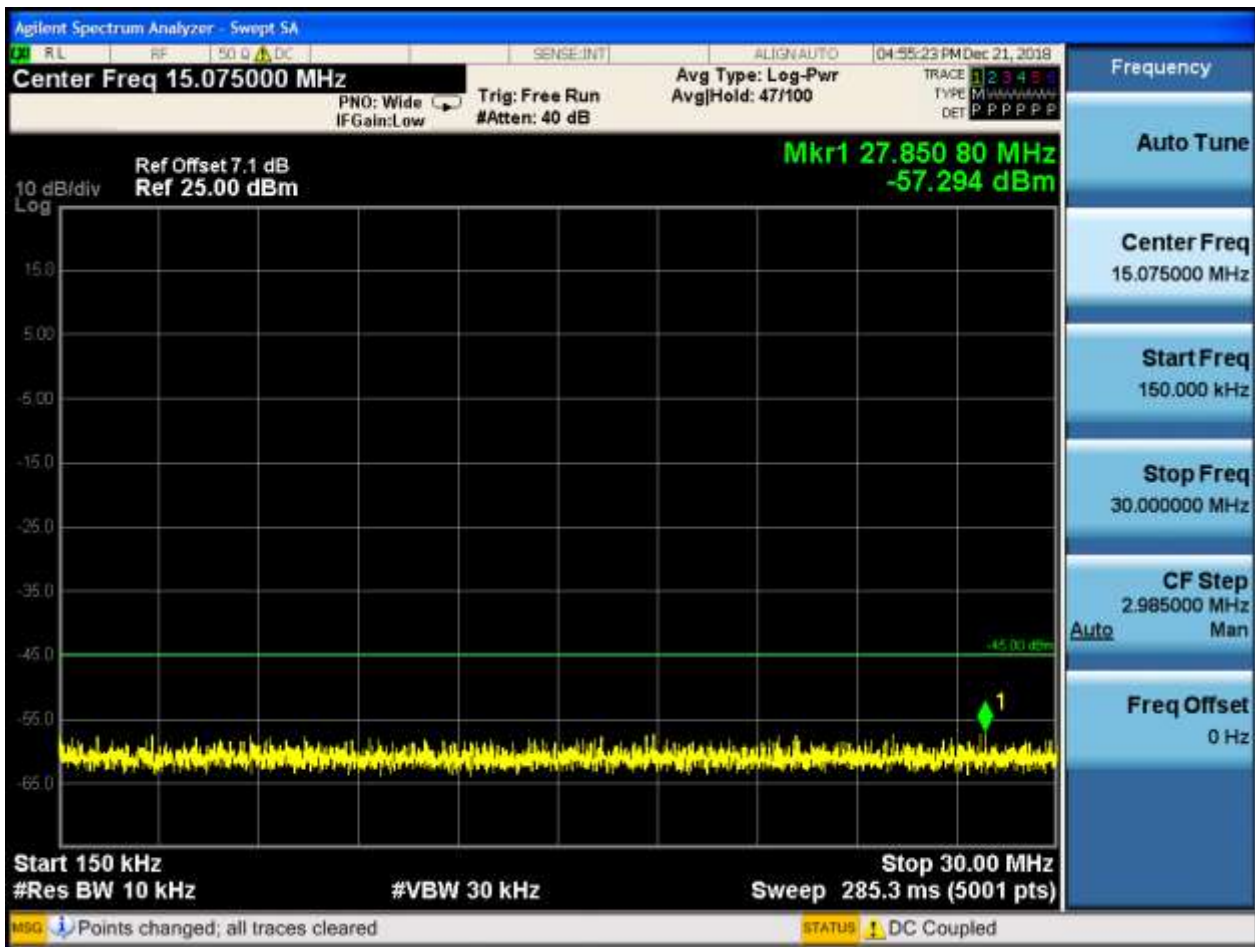




## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#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

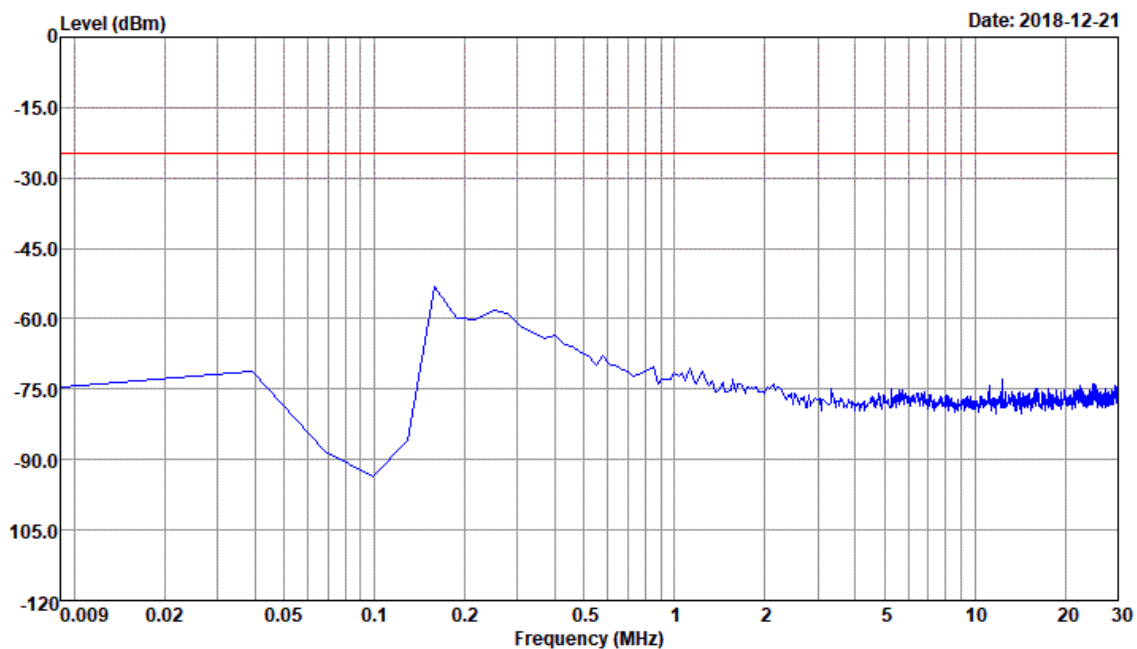
##### 7.1.1 Test Band = Band7

##### 7.1.1.1 Test Bandwidth = 5



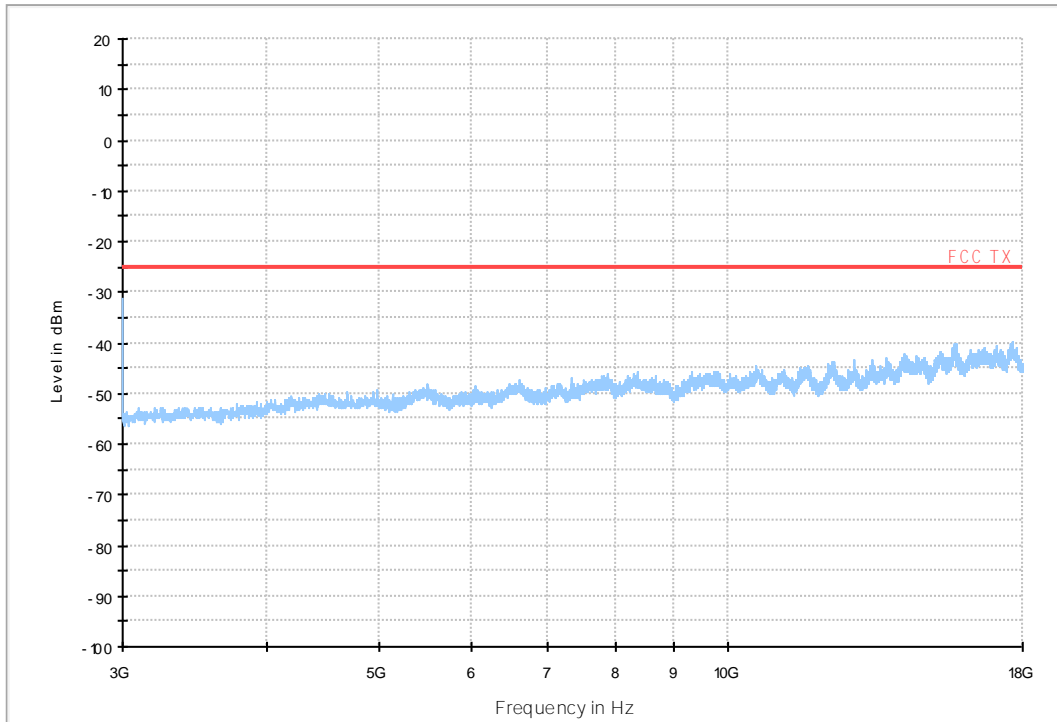


Data: 68

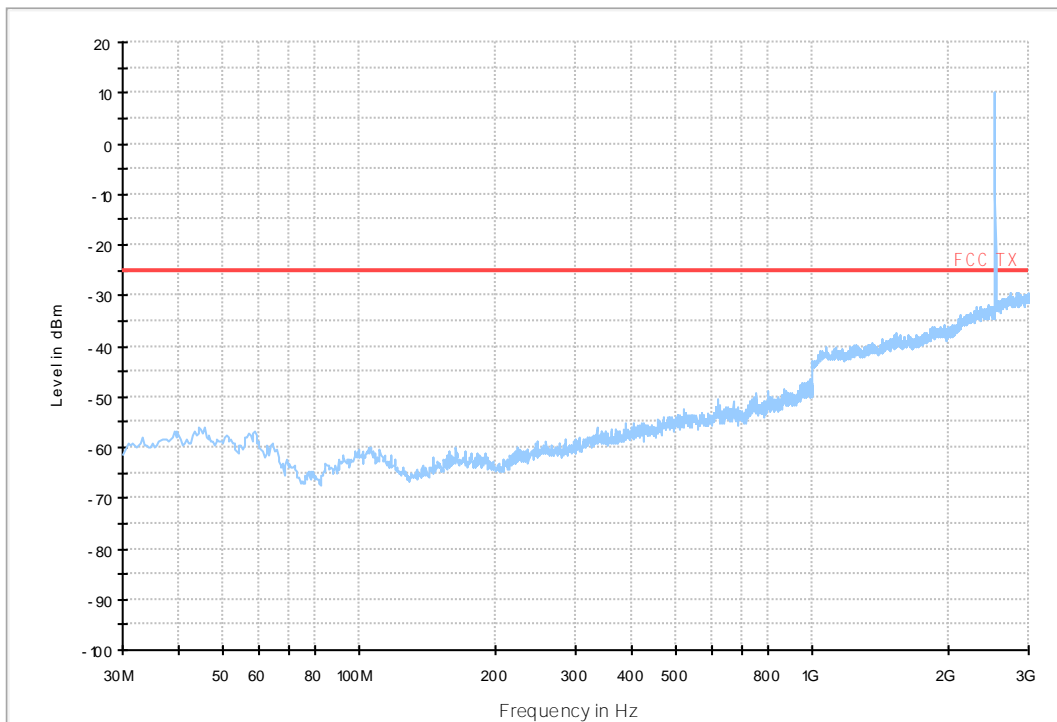


Site : 03CH01-SZ  
Condition : -13DBM 9K-30M AMP NEUTRAL  
: RBW:9.000KHz VBW:30.000KHz

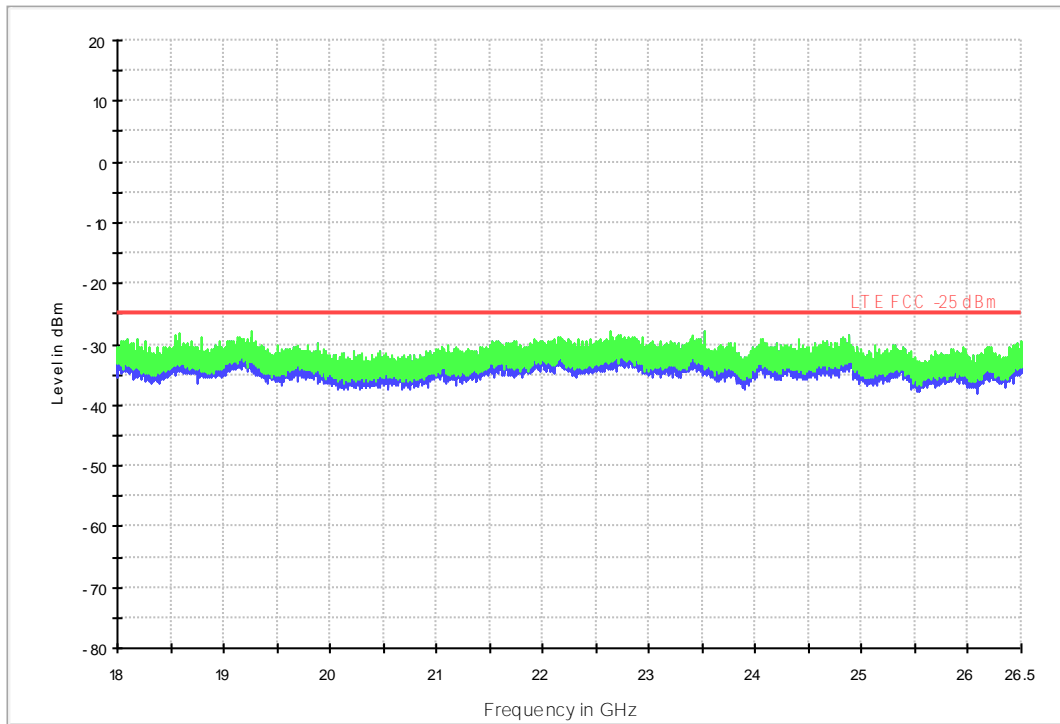
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



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



18G- 26.5G RSE-T X-DIRECTOR ABOVE 1.5G PK

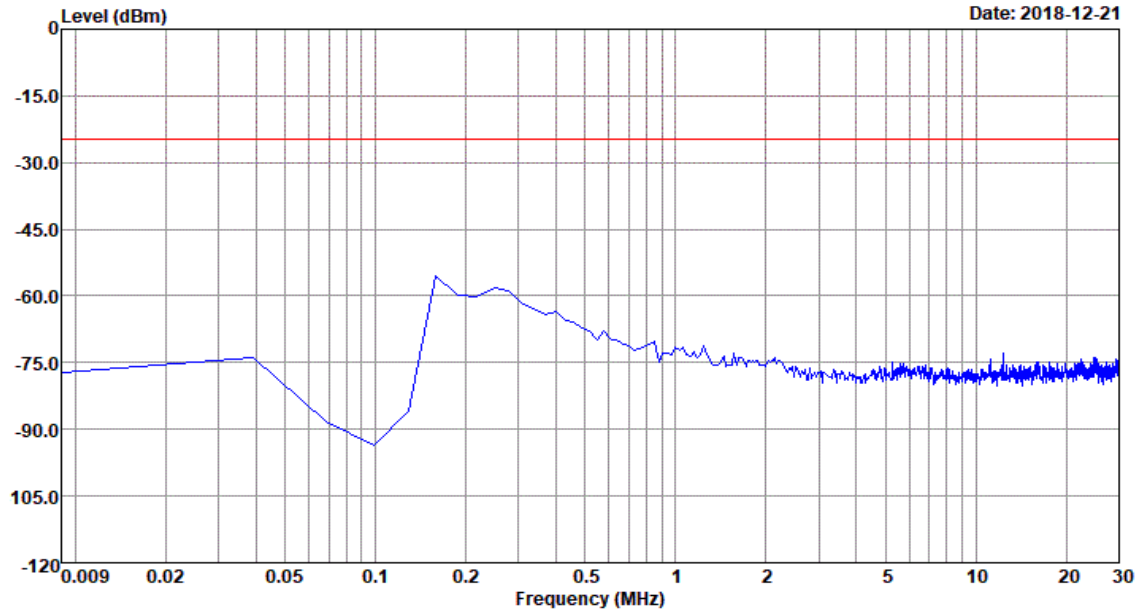


## 7.1.1.2 Test Bandwidth = 20



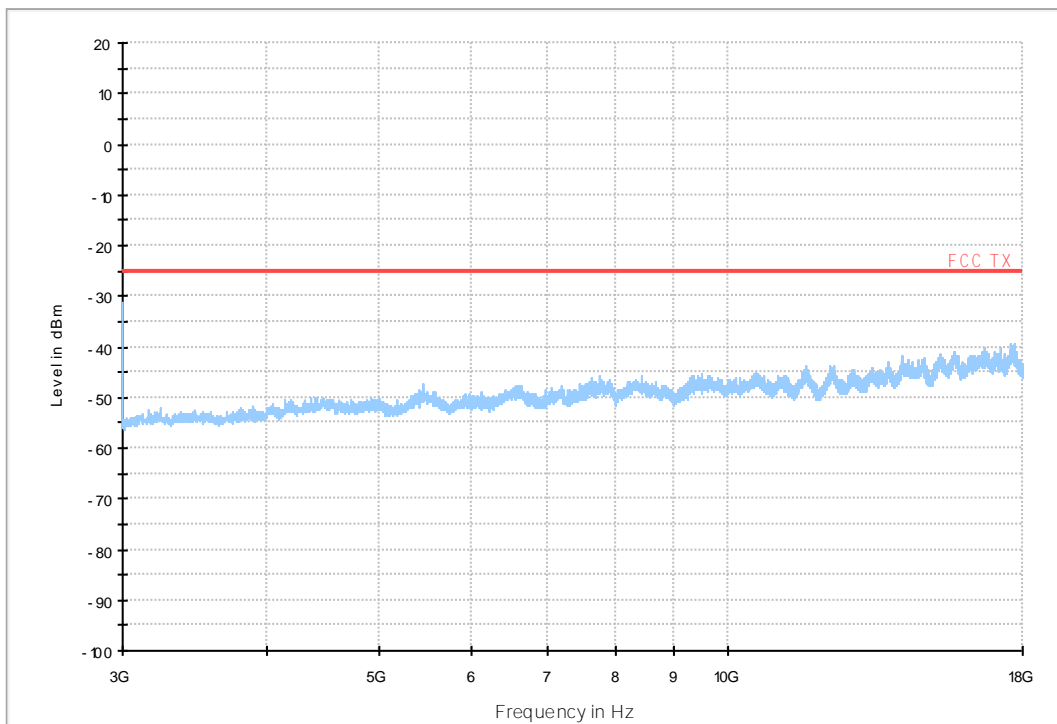
Data: 67

Date: 2018-12-21

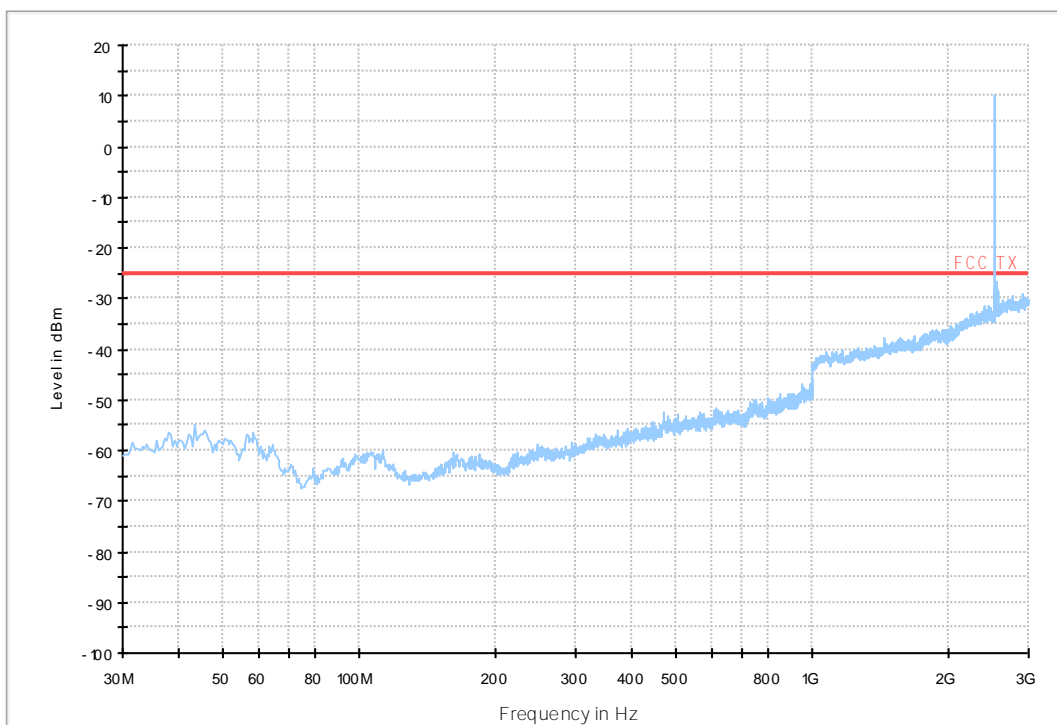


Site : 03CH01-SZ  
Condition : -13DBM 9K-30M AMP NEUTRAL  
: RBW:9.000KHz VBW:30.000KHz

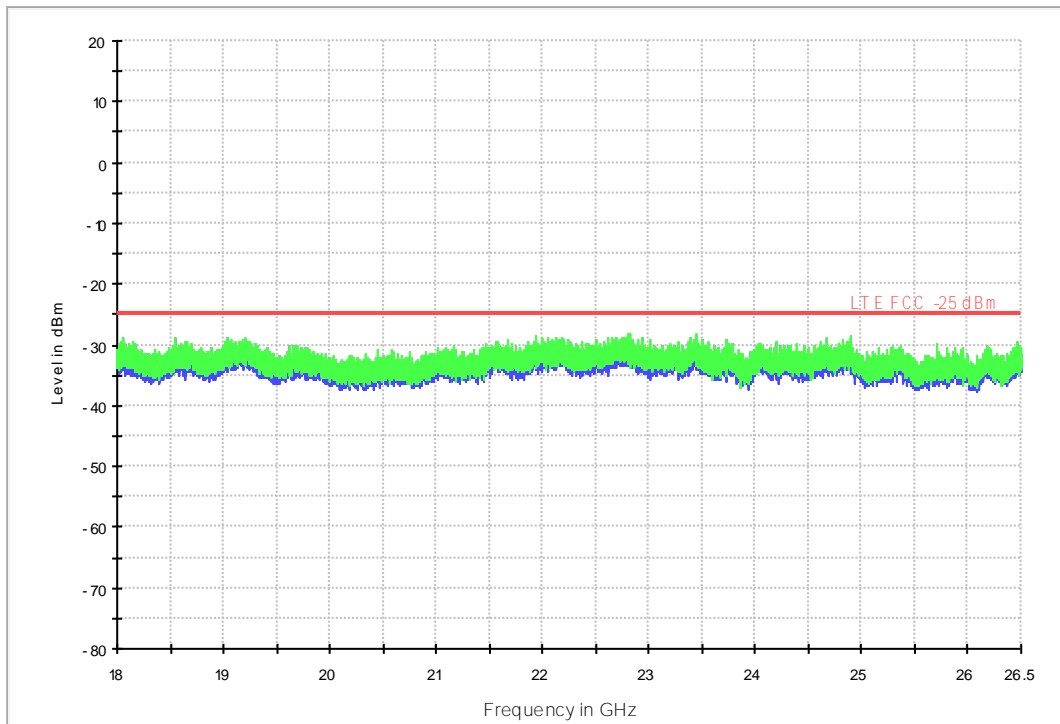
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G\_L -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
Band7	LTE/TM1	5	LCH	TN	VL	-7.83920	-0.00313	PASS
					VN	-10.11372	-0.00404	PASS
					VH	-11.87325	-0.00474	PASS
			MCH	TN	VL	-1.30177	-0.00051	PASS
					VN	-4.90665	-0.00194	PASS
					VH	-1.60217	-0.00063	PASS
			HCH	TN	VL	-3.21865	-0.00125	PASS
					VN	-7.66754	-0.00299	PASS
					VH	-3.01838	-0.00118	PASS
		10	LCH	TN	VL	-5.59330	-0.00223	PASS
					VN	-4.86374	-0.00194	PASS
					VH	-7.10964	-0.00284	PASS
			MCH	TN	VL	-5.16415	-0.00204	PASS
					VN	-1.35899	-0.00054	PASS
					VH	-2.57492	-0.00102	PASS
			HCH	TN	VL	-2.88963	-0.00113	PASS
					VN	-3.94821	-0.00154	PASS
					VH	-4.93527	-0.00192	PASS
		15	LCH	TN	VL	-4.09126	-0.00163	PASS
					VN	-8.26836	-0.00330	PASS
					VH	-4.70638	-0.00188	PASS
			MCH	TN	VL	-1.77383	-0.00070	PASS
					VN	-3.56197	-0.00141	PASS
					VH	-1.91688	-0.00076	PASS
HCH	TN		VL	-8.68320	-0.00339	PASS		
			VN	-3.99113	-0.00156	PASS		
			VH	-8.13961	-0.00318	PASS		
20	LCH	TN	VL	-2.01702	-0.00080	PASS		
			VN	-5.47886	-0.00218	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VH	-6.35147	-0.00253	PASS
					VL	-0.20027	-0.00008	PASS
					VN	-5.23567	-0.00207	PASS
			HCH	TN	VH	-2.10285	-0.00083	PASS
					VL	-2.13146	-0.00083	PASS
					VN	-9.19819	-0.00359	PASS
		5	LCH	TN	VH	-2.46048	-0.00096	PASS
					VL	-3.79086	-0.00151	PASS
					VN	-4.37737	-0.00175	PASS
			MCH	TN	VH	-3.91960	-0.00157	PASS
					VL	-5.03540	-0.00199	PASS
					VN	-6.05106	-0.00239	PASS
		HCH	TN	VH	-1.91688	-0.00076	PASS	
				VL	-4.52042	-0.00176	PASS	
				VN	-5.22137	-0.00203	PASS	
		10	LCH	TN	VH	-4.07696	-0.00159	PASS
					VL	-7.08103	-0.00283	PASS
					VN	-2.93255	-0.00117	PASS
	MCH		TN	VH	-3.07560	-0.00123	PASS	
				VL	-2.10285	-0.00083	PASS	
				VN	-4.96387	-0.00196	PASS	
	HCH		TN	VH	-4.46320	-0.00176	PASS	
				VL	-2.31743	-0.00090	PASS	
				VN	-2.91824	-0.00114	PASS	
	15	LCH	TN	VH	-4.62055	-0.00180	PASS	
				VL	-3.08990	-0.00123	PASS	
				VN	-8.06808	-0.00322	PASS	
		MCH	TN	VH	-2.54631	-0.00102	PASS	
				VL	-1.93119	-0.00076	PASS	
				VN	-1.71661	-0.00068	PASS	
	HCH	TN	VH	-1.90258	-0.00075	PASS		
			VL	0.54359	0.00021	PASS		
			VN	-2.67506	-0.00104	PASS		
	20	LCH	TN	VH	-7.86781	-0.00307	PASS	
				VL	55.07469	0.02194	PASS	
				VN	-3.23296	-0.00129	PASS	
	MCH	TN	VH	-2.54631	-0.00101	PASS		
	VL	-2.80380	-0.00111	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-8.49724	-0.00335	PASS
					VH	-3.14712	-0.00124	PASS
			HCH		VL	-7.00951	-0.00274	PASS
					VN	-7.46727	-0.00292	PASS
					VH	-6.62327	-0.00259	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
Band7	LTE/TM1	5	LCH	VN	-30	-6.60896	-0.00264	PASS
					-20	-9.39846	-0.00376	PASS
					-10	-8.21114	-0.00328	PASS
					0	-9.88483	-0.00395	PASS
					10	-7.26700	-0.00290	PASS
					20	-10.11372	-0.00404	PASS
					30	-7.52449	-0.00301	PASS
					40	-11.37257	-0.00454	PASS
					50	-12.76016	-0.00510	PASS
			MCH	VN	-30	-4.13418	-0.00163	PASS
					-20	-6.88076	-0.00271	PASS
					-10	-2.08855	-0.00082	PASS
					0	-4.40597	-0.00174	PASS
					10	-6.55174	-0.00258	PASS
					20	-4.90665	-0.00194	PASS
					30	-9.34124	-0.00368	PASS
					40	-3.34740	-0.00132	PASS
			HCH	VN	-30	-5.59330	-0.00218	PASS
					-20	-2.24590	-0.00087	PASS
					-10	-4.07696	-0.00159	PASS
					0	-6.19412	-0.00241	PASS
					10	-2.90394	-0.00113	PASS
					20	-7.66754	-0.00299	PASS
					30	-4.32015	-0.00168	PASS
40	-4.69208	-0.00183	PASS					
50	-5.06401	-0.00197	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	-30	-5.77927	-0.00231	PASS
					-20	-11.28674	-0.00451	PASS
					-10	-7.73907	-0.00309	PASS
					0	-6.03676	-0.00241	PASS
					10	-5.43594	-0.00217	PASS
					20	-4.86374	-0.00194	PASS
					30	-8.58307	-0.00343	PASS
					40	-10.72884	-0.00428	PASS
					50	-7.41005	-0.00296	PASS
			MCH	VN	-30	-5.26428	-0.00208	PASS
					-20	-5.36442	-0.00212	PASS
					-10	-7.43866	-0.00293	PASS
					0	-0.84400	-0.00033	PASS
					10	-7.00951	-0.00277	PASS
					20	-1.35899	-0.00054	PASS
					30	-5.73635	-0.00226	PASS
					40	-1.75953	-0.00069	PASS
					50	-8.65459	-0.00341	PASS
			HCH	VN	-30	-7.15256	-0.00279	PASS
					-20	-3.41892	-0.00133	PASS
					-10	-1.55926	-0.00061	PASS
					0	-3.53336	-0.00138	PASS
					10	-8.72612	-0.00340	PASS
					20	-3.94821	-0.00154	PASS
		30			-3.47614	-0.00136	PASS	
		40			-2.87533	-0.00112	PASS	
		50			-3.84808	-0.00150	PASS	
		15	LCH	VN	-30	-2.84672	-0.00114	PASS
					-20	-1.83106	-0.00073	PASS
					-10	-4.43459	-0.00177	PASS
					0	-3.94821	-0.00157	PASS
					10	-2.04563	-0.00082	PASS
					20	-8.26836	-0.00330	PASS
					30	-4.33445	-0.00173	PASS
					40	-2.07424	-0.00083	PASS
					50	-5.59330	-0.00223	PASS
MCH	VN		-30	-5.89371	-0.00232	PASS		
			-20	-5.04971	-0.00199	PASS		
			-10	-3.79086	-0.00150	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-2.76089	-0.00109	PASS		
					10	-0.41485	-0.00016	PASS		
					20	-3.56197	-0.00141	PASS		
					30	-4.53472	-0.00179	PASS		
					40	-2.10285	-0.00083	PASS		
					50	-8.16822	-0.00322	PASS		
			HCH	VN	-30	-8.75473	-0.00342	PASS		
					-20	-5.30720	-0.00207	PASS		
					-10	-8.38280	-0.00327	PASS		
					0	-4.90665	-0.00191	PASS		
					10	-3.36170	-0.00131	PASS		
					20	-3.99113	-0.00156	PASS		
			LCH	VN	30	-5.06401	-0.00198	PASS		
					40	-2.77519	-0.00108	PASS		
					50	-5.50747	-0.00215	PASS		
					-30	-3.27587	-0.00131	PASS		
					-20	-5.80788	-0.00231	PASS		
					-10	-7.22408	-0.00288	PASS		
		20		0	MCH	VN	0	-3.87669	-0.00154	PASS
							10	-3.99113	-0.00159	PASS
							20	-5.47886	-0.00218	PASS
							30	-7.51018	-0.00299	PASS
							40	-7.22408	-0.00288	PASS
							50	-5.93662	-0.00237	PASS
				HCH	VN	-30	-5.22137	-0.00206	PASS	
						-20	-4.97818	-0.00196	PASS	
						-10	-4.63486	-0.00183	PASS	
						0	-5.79357	-0.00229	PASS	
						10	0.11444	0.00005	PASS	
						20	-5.23567	-0.00207	PASS	
							30	-9.48429	-0.00374	PASS
							40	-4.59194	-0.00181	PASS
							50	-6.58035	-0.00260	PASS
							-30	-10.02789	-0.00392	PASS
							-20	-5.13554	-0.00201	PASS
							-10	-8.82626	-0.00345	PASS
					0	-7.35283	-0.00287	PASS		
					10	-5.62191	-0.00220	PASS		
					20	-9.19819	-0.00359	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5			30	-8.72612	-0.00341	PASS
					40	-4.76360	-0.00186	PASS
					50	-5.04971	-0.00197	PASS
			LCH	VN	-30	-4.34875	-0.00174	PASS
					-20	-7.66754	-0.00306	PASS
					-10	-2.74658	-0.00110	PASS
					0	-6.16550	-0.00246	PASS
					10	-6.07967	-0.00243	PASS
					20	-4.37737	-0.00175	PASS
					30	-3.97682	-0.00159	PASS
					40	-6.58035	-0.00263	PASS
					50	-7.98225	-0.00319	PASS
			MCH	VN	-30	-5.36442	-0.00212	PASS
					-20	-0.85831	-0.00034	PASS
					-10	-2.93255	-0.00116	PASS
		0			-6.32286	-0.00249	PASS	
		10			-4.01974	-0.00159	PASS	
		20			-6.05106	-0.00239	PASS	
		HCH	VN	30	-1.34468	-0.00053	PASS	
				40	-6.15120	-0.00243	PASS	
				50	-1.50204	-0.00059	PASS	
				-30	-7.76768	-0.00303	PASS	
				-20	-4.70638	-0.00183	PASS	
				-10	-2.90394	-0.00113	PASS	
				0	-1.04427	-0.00041	PASS	
				10	-4.26292	-0.00166	PASS	
				20	-5.22137	-0.00203	PASS	
		10	LCH	VN	30	-3.21865	-0.00125	PASS
					40	-4.54903	-0.00177	PASS
					50	-2.47478	-0.00096	PASS
-30	-6.50883				-0.00260	PASS		
-20	-8.88348				-0.00355	PASS		
-10	-2.40326				-0.00096	PASS		
0	-3.47614				-0.00139	PASS		
10	-3.17573				-0.00127	PASS		
20	-2.93255				-0.00117	PASS		
30	-5.32150	-0.00212	PASS					
40	-3.31879	-0.00132	PASS					
50	-6.96659	-0.00278	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15	MCH	VN	-30	-7.62463	-0.00301	PASS
					-20	-3.47614	-0.00137	PASS
					-10	-9.11236	-0.00359	PASS
					0	-3.36170	-0.00133	PASS
					10	-7.75337	-0.00306	PASS
					20	-4.96387	-0.00196	PASS
					30	-6.45161	-0.00255	PASS
					40	-3.01838	-0.00119	PASS
					50	-4.80652	-0.00190	PASS
			HCH	VN	-30	-8.09670	-0.00316	PASS
					-20	-4.16279	-0.00162	PASS
					-10	-4.89235	-0.00191	PASS
					0	-6.06537	-0.00236	PASS
					10	-6.53744	-0.00255	PASS
					20	-2.91824	-0.00114	PASS
					30	-4.52042	-0.00176	PASS
					40	-5.67913	-0.00221	PASS
					50	-7.10964	-0.00277	PASS
			LCH	VN	-30	-4.00543	-0.00160	PASS
					-20	-5.47886	-0.00218	PASS
					-10	-9.39846	-0.00375	PASS
					0	-2.58923	-0.00103	PASS
					10	-6.63757	-0.00265	PASS
					20	-8.06808	-0.00322	PASS
		30			-6.33717	-0.00253	PASS	
		40			-4.52042	-0.00180	PASS	
		50			-1.83106	-0.00073	PASS	
		MCH	VN	-30	-4.10557	-0.00162	PASS	
				-20	-3.71933	-0.00147	PASS	
				-10	-1.15871	-0.00046	PASS	
				0	0.32902	0.00013	PASS	
				10	-3.06129	-0.00121	PASS	
				20	-1.71661	-0.00068	PASS	
				30	-2.93255	-0.00116	PASS	
				40	-5.97954	-0.00236	PASS	
				50	-9.88483	-0.00390	PASS	
HCH	VN	-30	-1.31607	-0.00051	PASS			
		-20	-6.12259	-0.00239	PASS			
		-10	-1.14441	-0.00045	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					0	-3.70503	-0.00145	PASS			
					10	-4.06265	-0.00159	PASS			
					20	-2.67506	-0.00104	PASS			
					30	-4.33445	-0.00169	PASS			
					40	-2.17438	-0.00085	PASS			
					50	-6.36578	-0.00248	PASS			
					20	LCH	VN	-30	-2.66075	-0.00106	PASS
								-20	-6.02245	-0.00240	PASS
								-10	-4.24862	-0.00169	PASS
								0	-3.97682	-0.00158	PASS
								10	-0.84400	-0.00034	PASS
								20	-3.23296	-0.00129	PASS
		30	-5.12123	-0.00204				PASS			
		40	-6.99520	-0.00279				PASS			
		50	-4.52042	-0.00180				PASS			
		MCH	VN	-30				-4.30584	-0.00170	PASS	
				-20				-7.13825	-0.00282	PASS	
				-10				-6.70910	-0.00265	PASS	
				0	-6.12259	-0.00242	PASS				
				10	-1.25885	-0.00050	PASS				
				20	-8.49724	-0.00335	PASS				
				30	-4.96387	-0.00196	PASS				
				40	-5.70774	-0.00225	PASS				
		HCH	VN	50	-6.03676	-0.00238	PASS				
				-30	-9.16958	-0.00358	PASS				
				-20	-6.15120	-0.00240	PASS				
				-10	-7.85351	-0.00307	PASS				
				0	-9.75609	-0.00381	PASS				
				10	-7.30991	-0.00286	PASS				
				20	-7.46727	-0.00292	PASS				
				30	-6.56605	-0.00256	PASS				
		40	-6.25134	-0.00244	PASS						
		50	-9.58443	-0.00374	PASS						

END