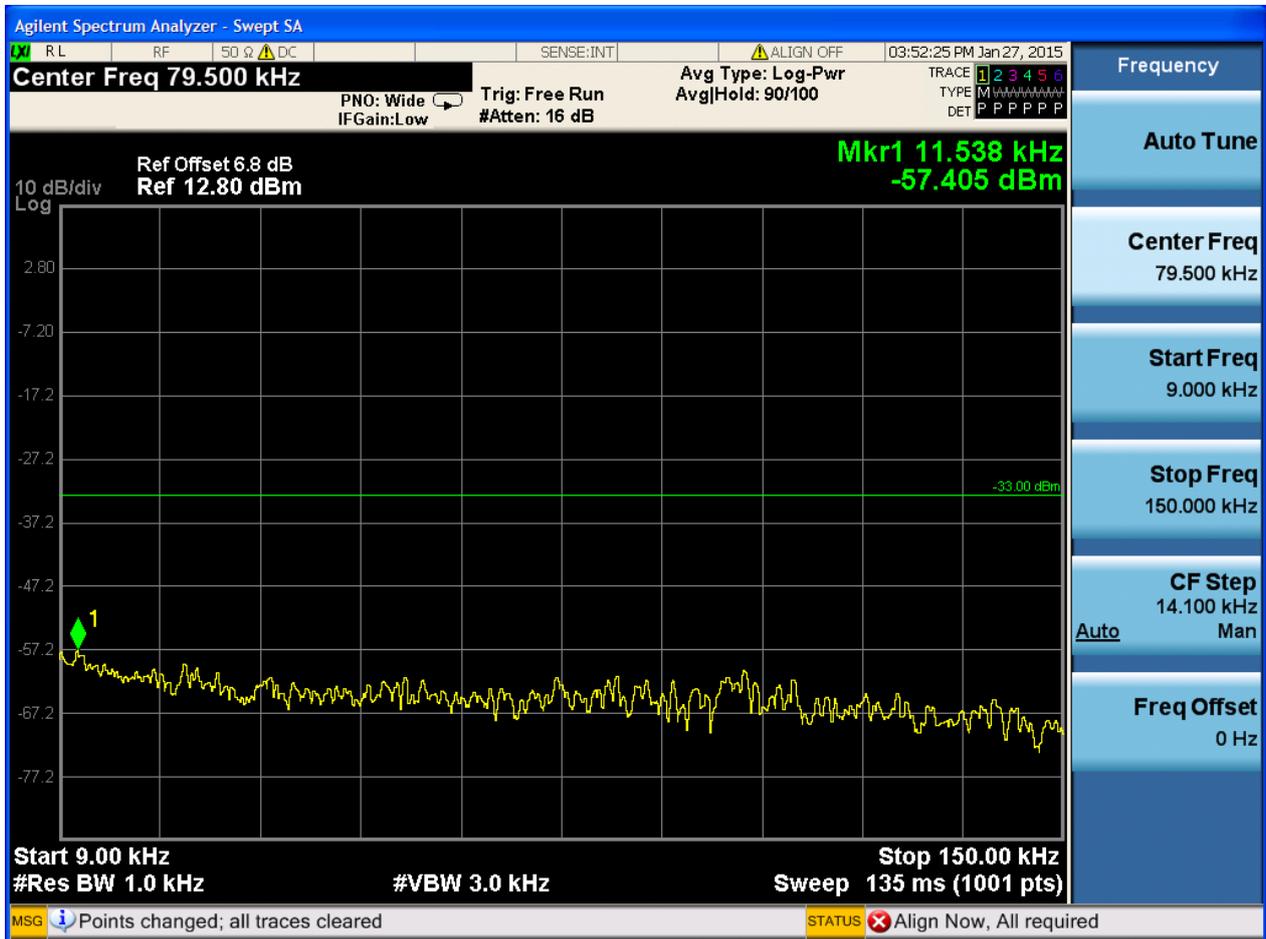
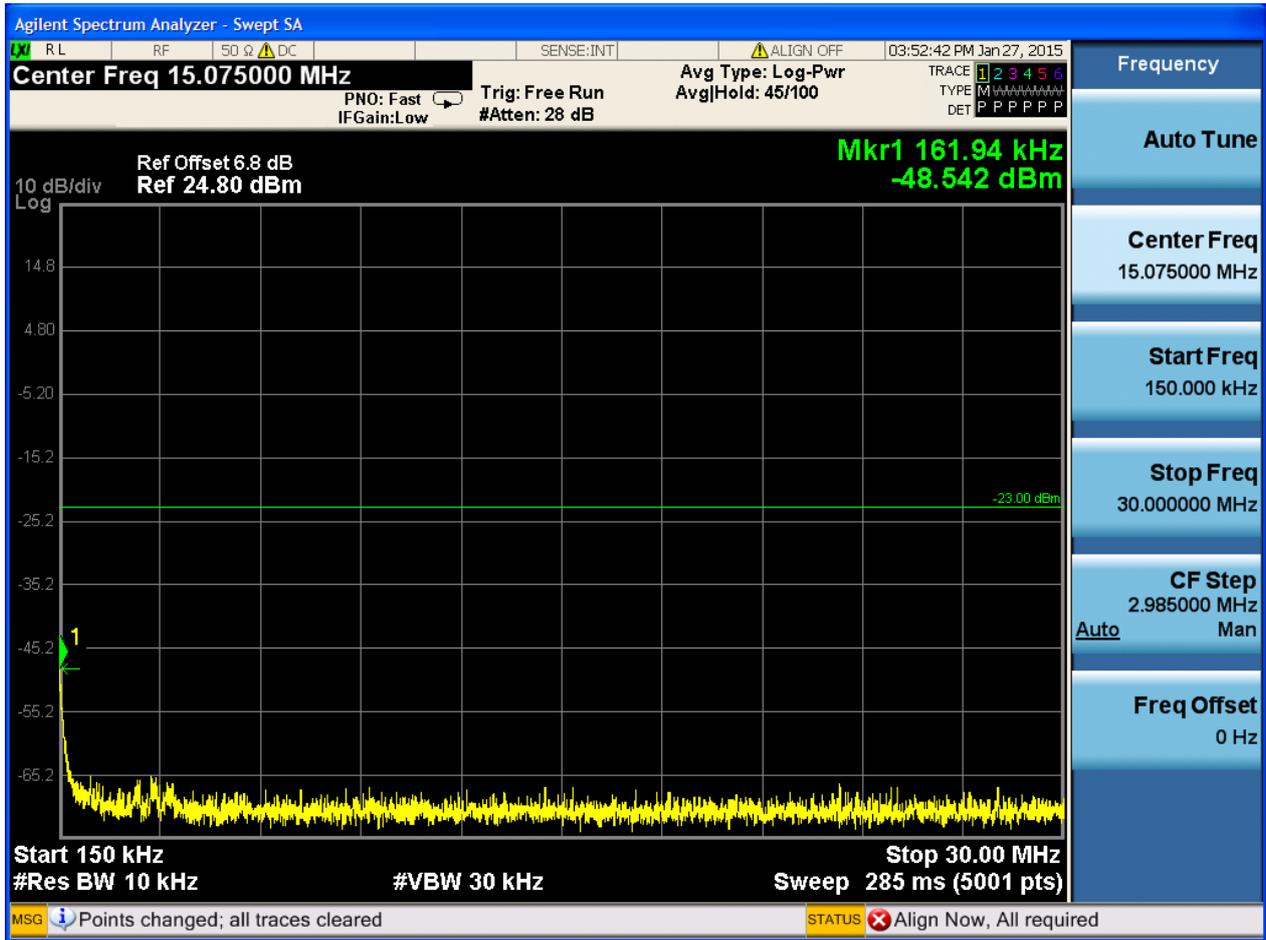


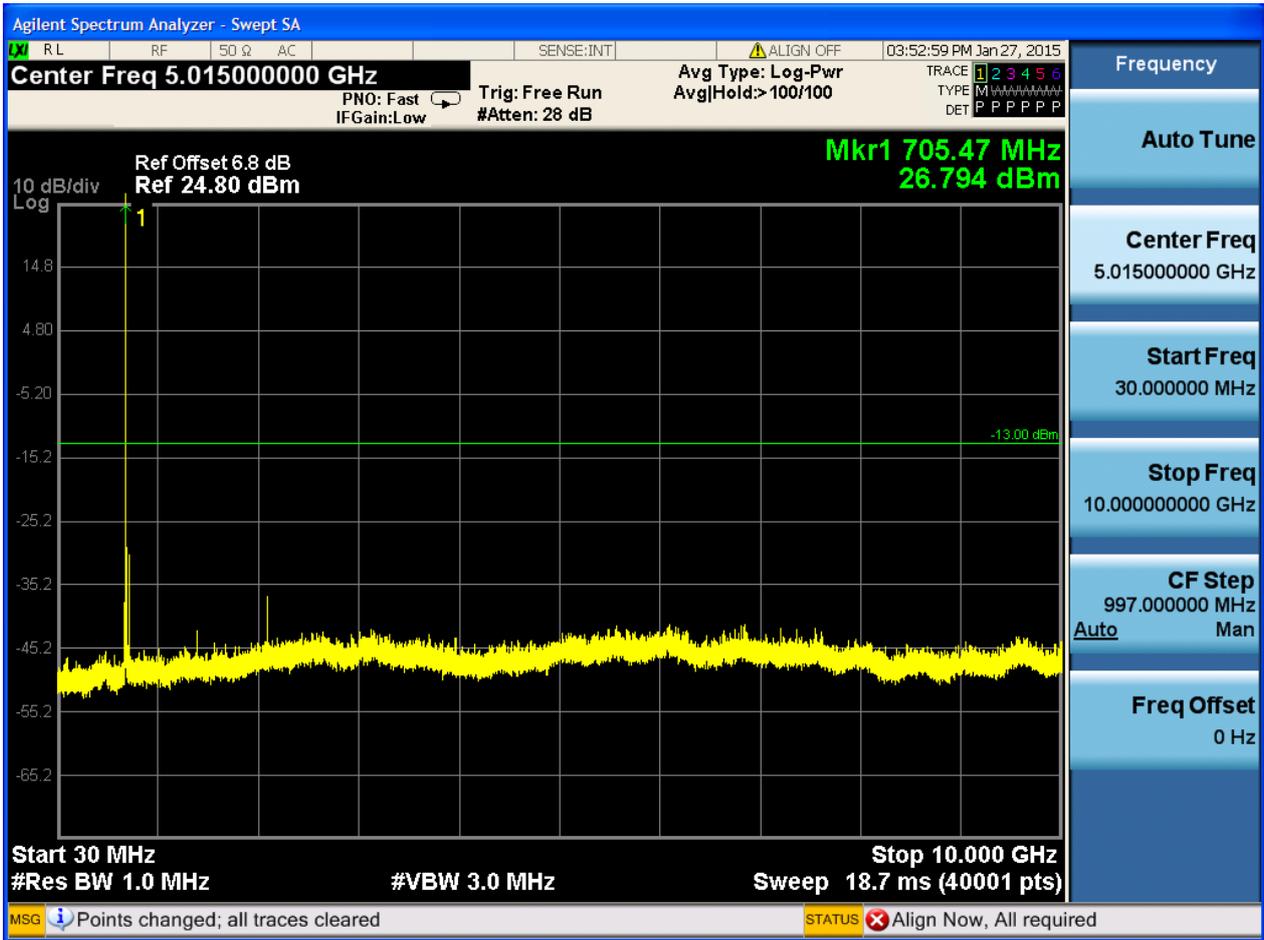


6.1.5.2.3.2 Test Channel = MCH

6.1.5.2.3.2.1 Test RB = RB1#0



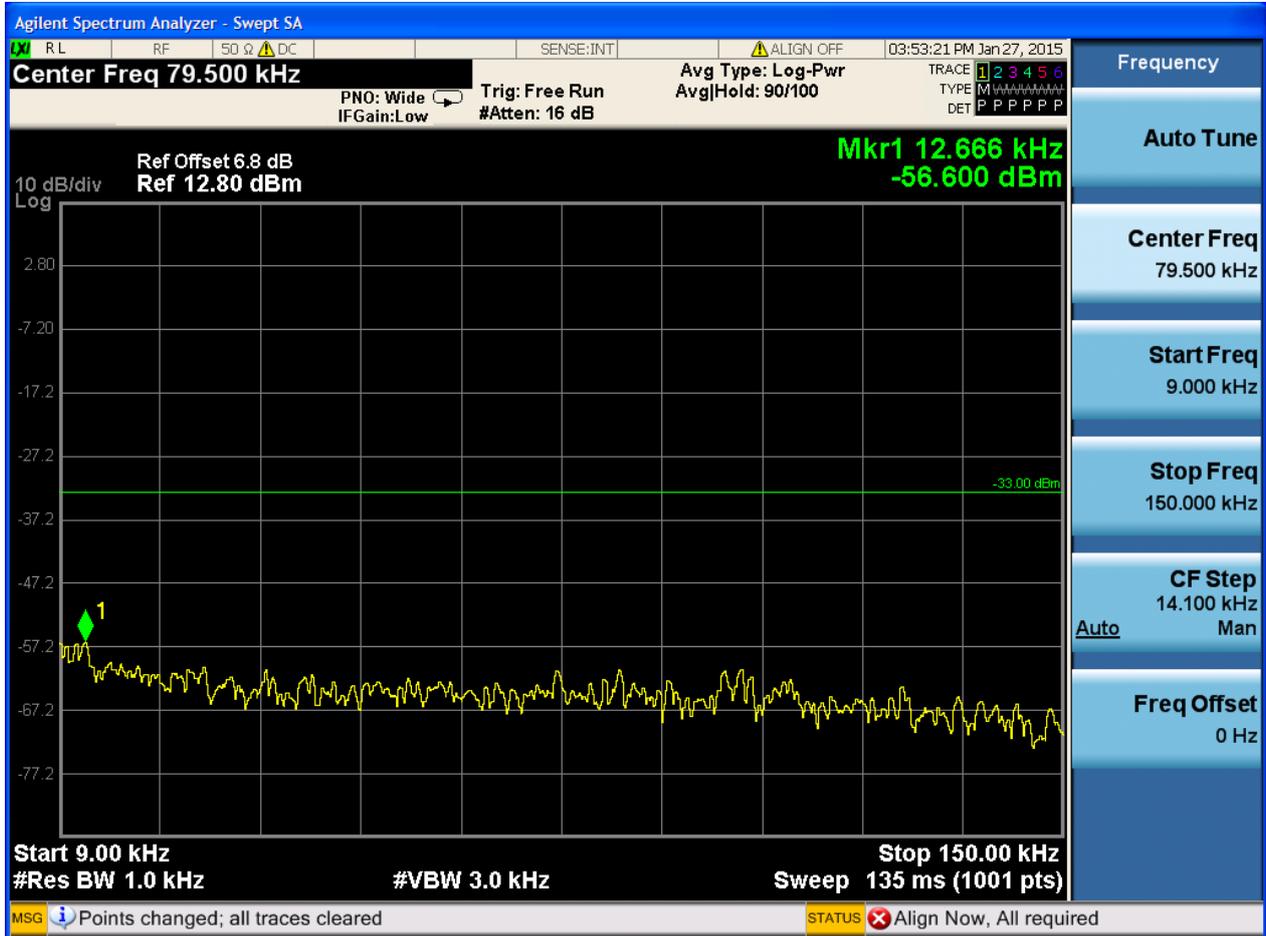




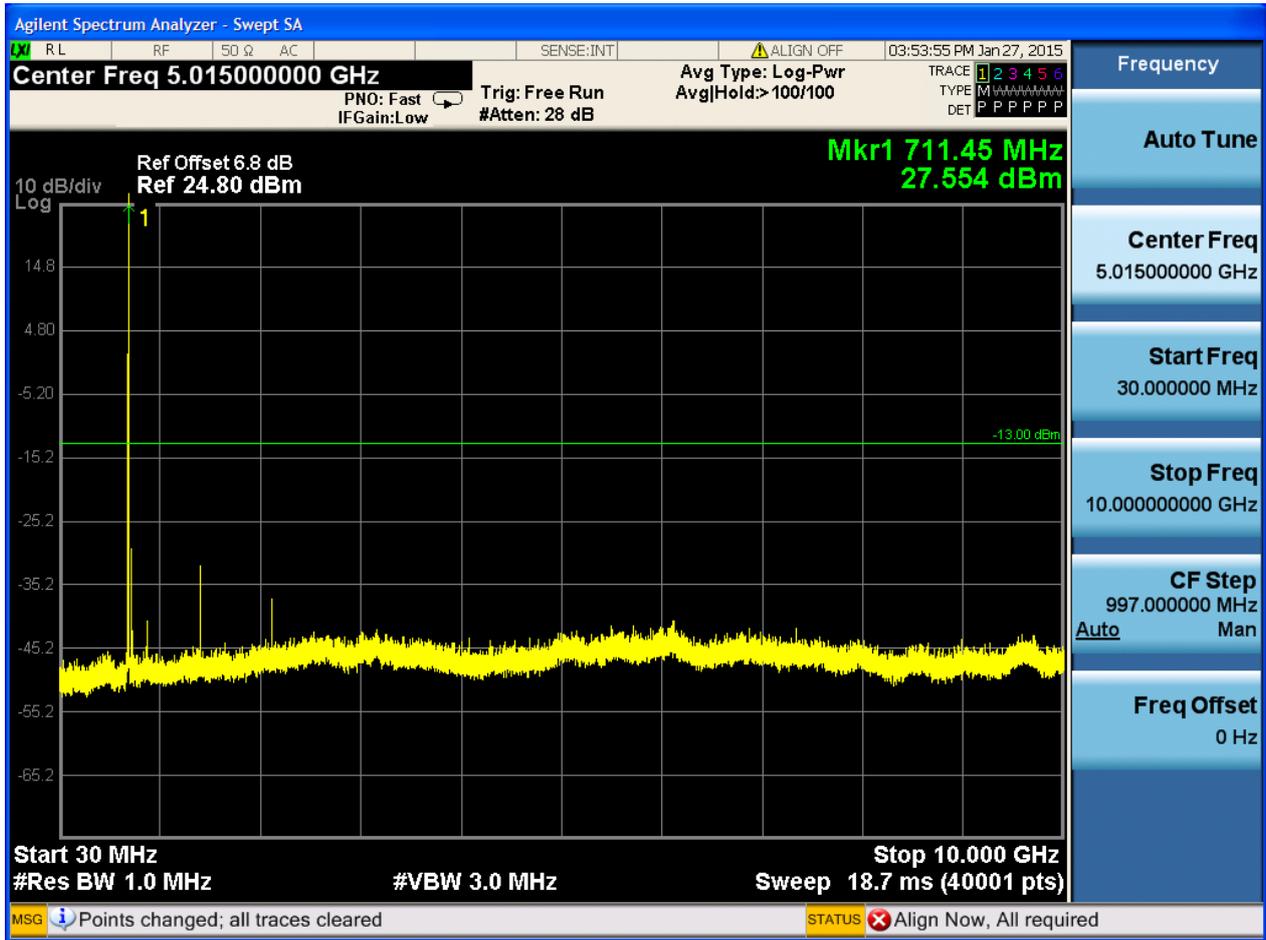


6.1.5.2.3.3 Test Channel = HCH

6.1.5.2.3.3.1 Test RB = RB1#0





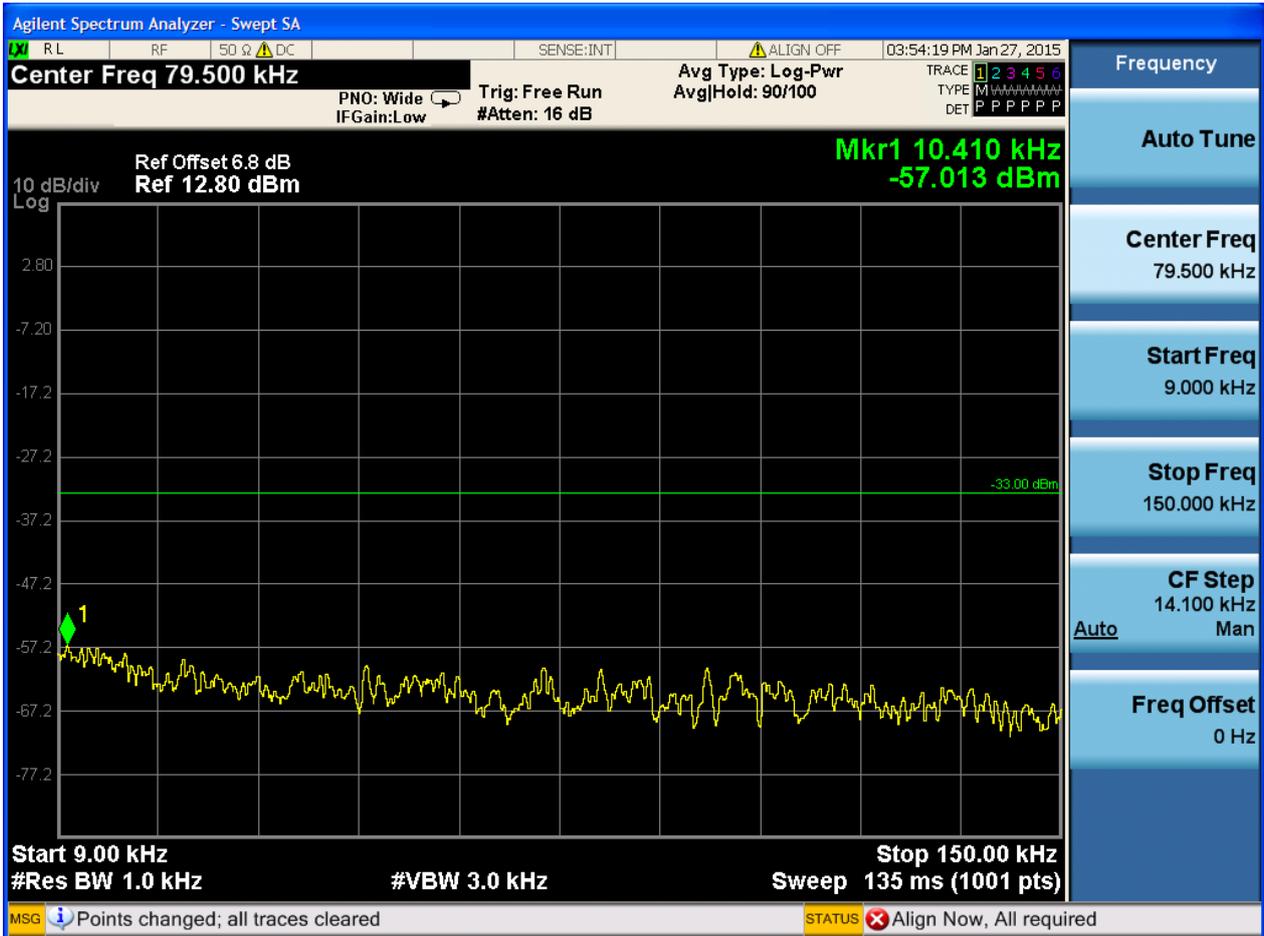




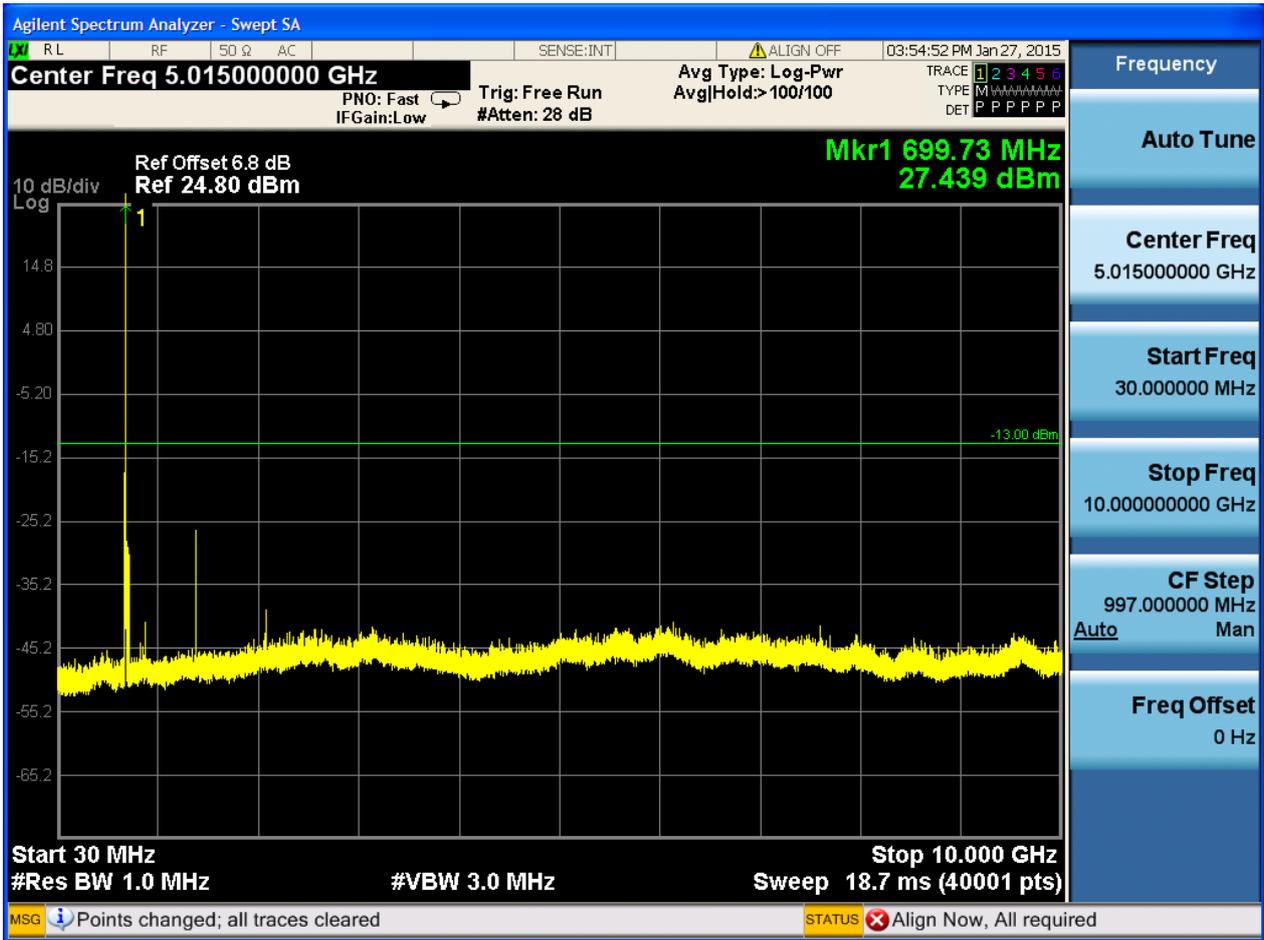
6.1.5.2.4 Test Bandwidth = 10

6.1.5.2.4.1 Test Channel = LCH

6.1.5.2.4.1.1 Test RB = RB1#0



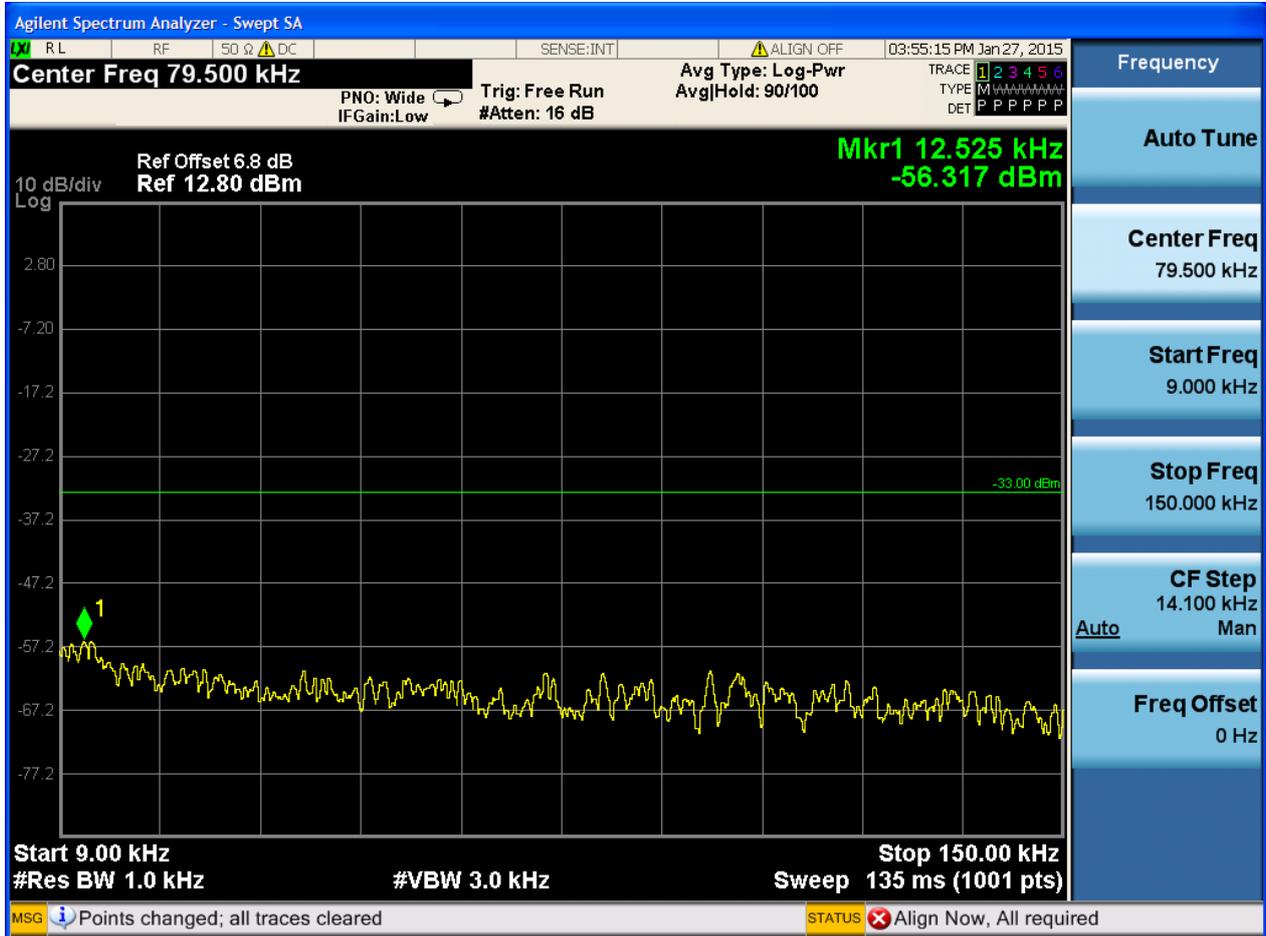




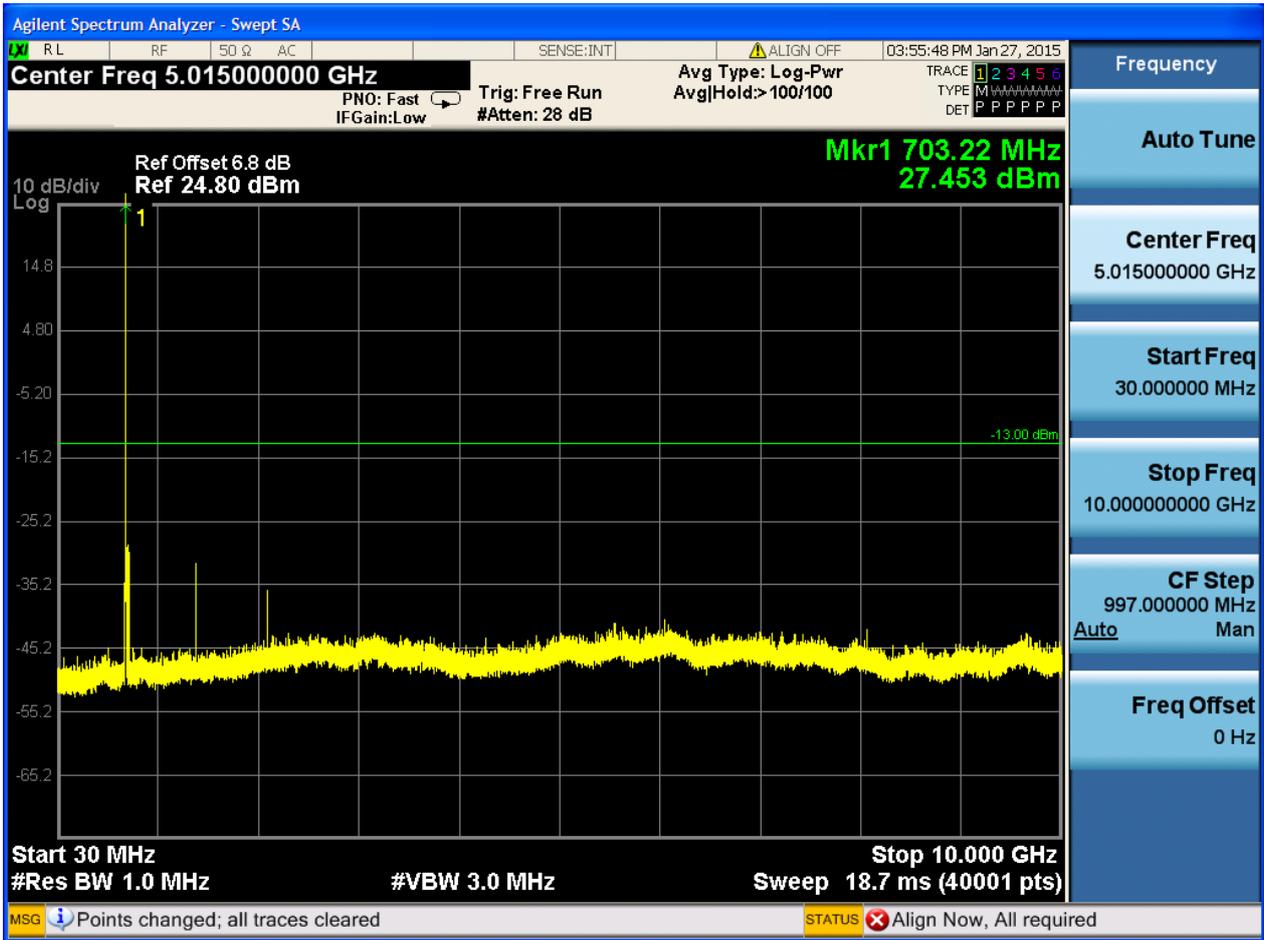


6.1.5.2.4.2 Test Channel = MCH

6.1.5.2.4.2.1 Test RB = RB1#0



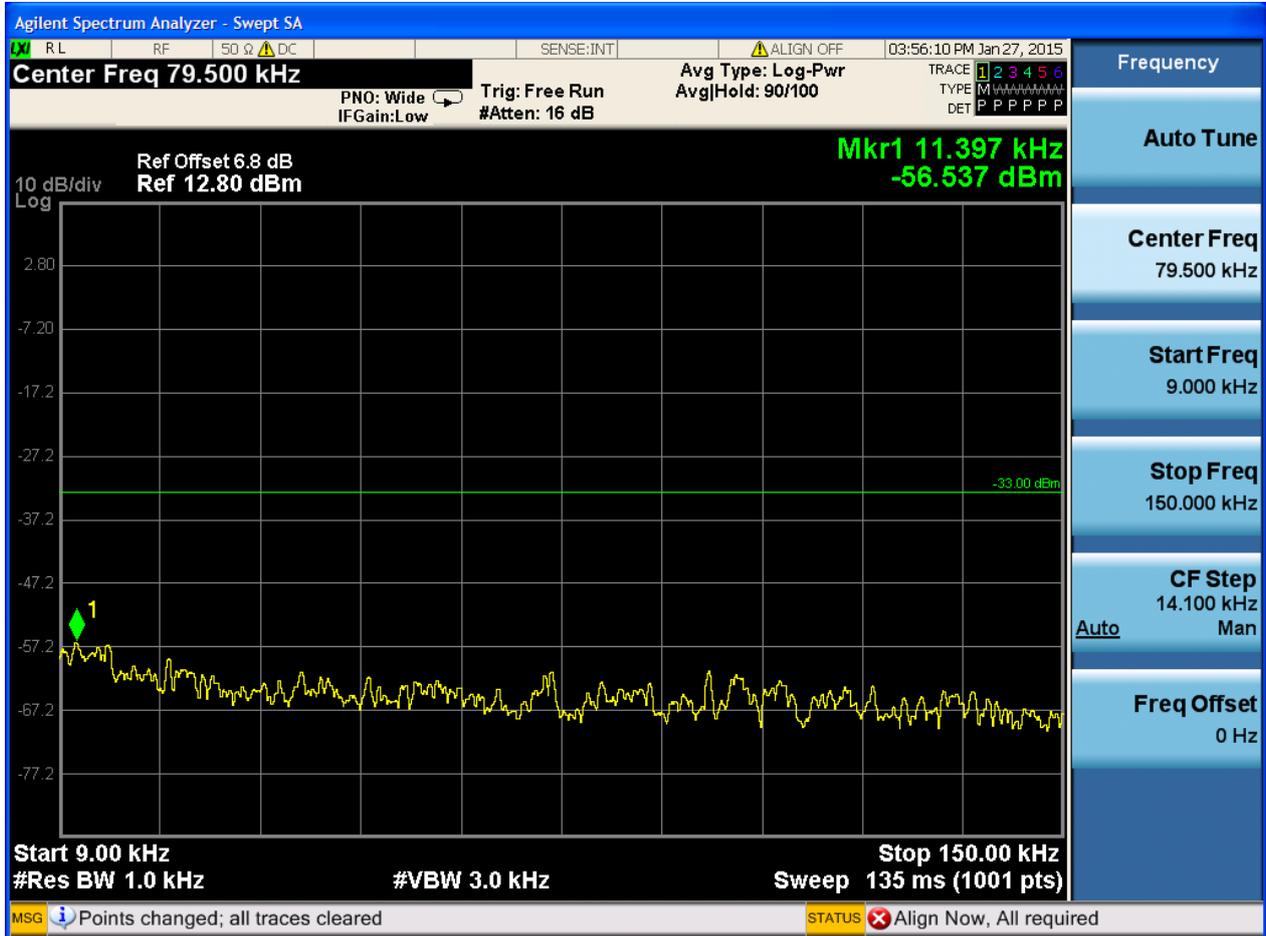




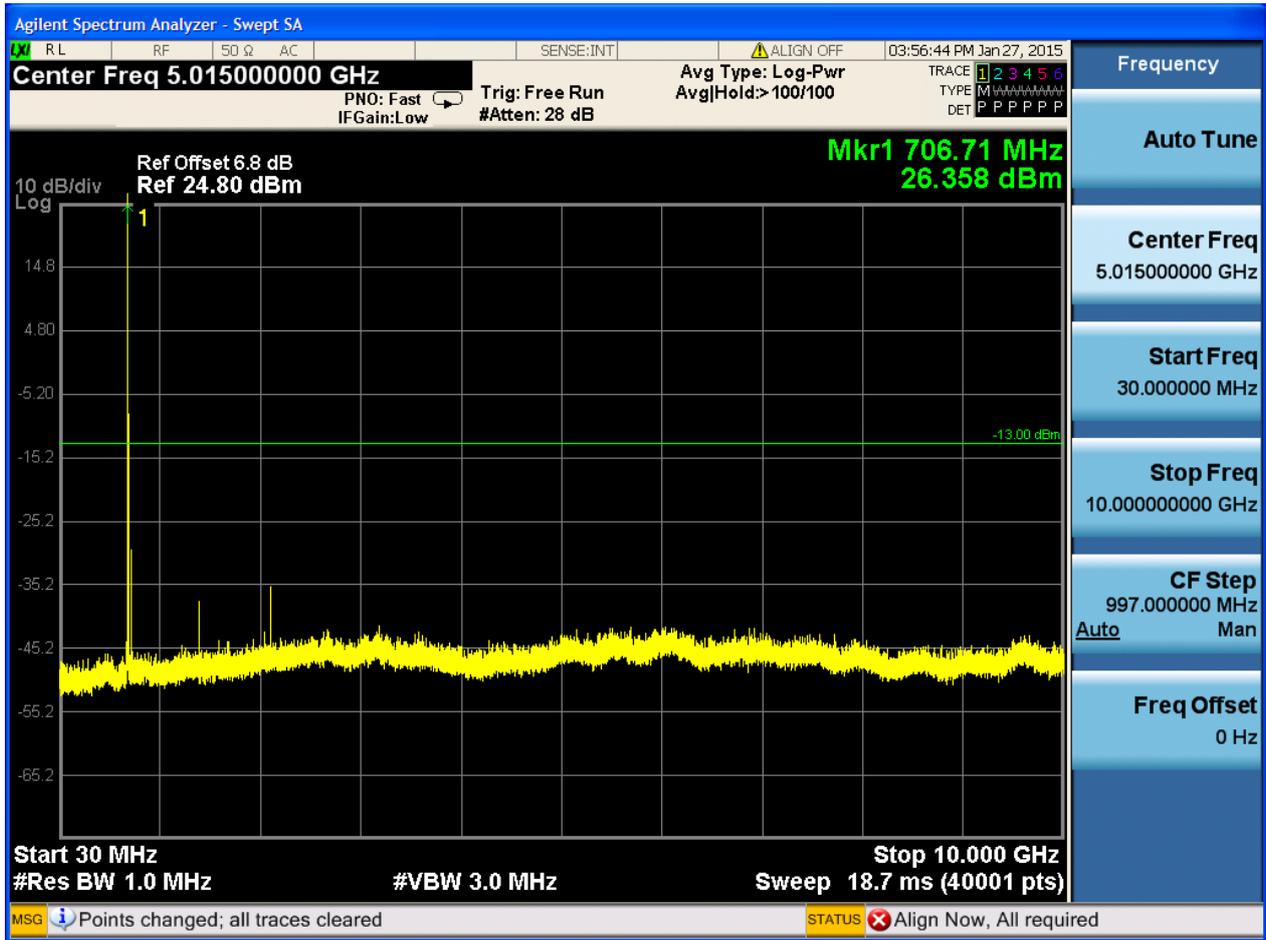


6.1.5.2.4.3 Test Channel = HCH

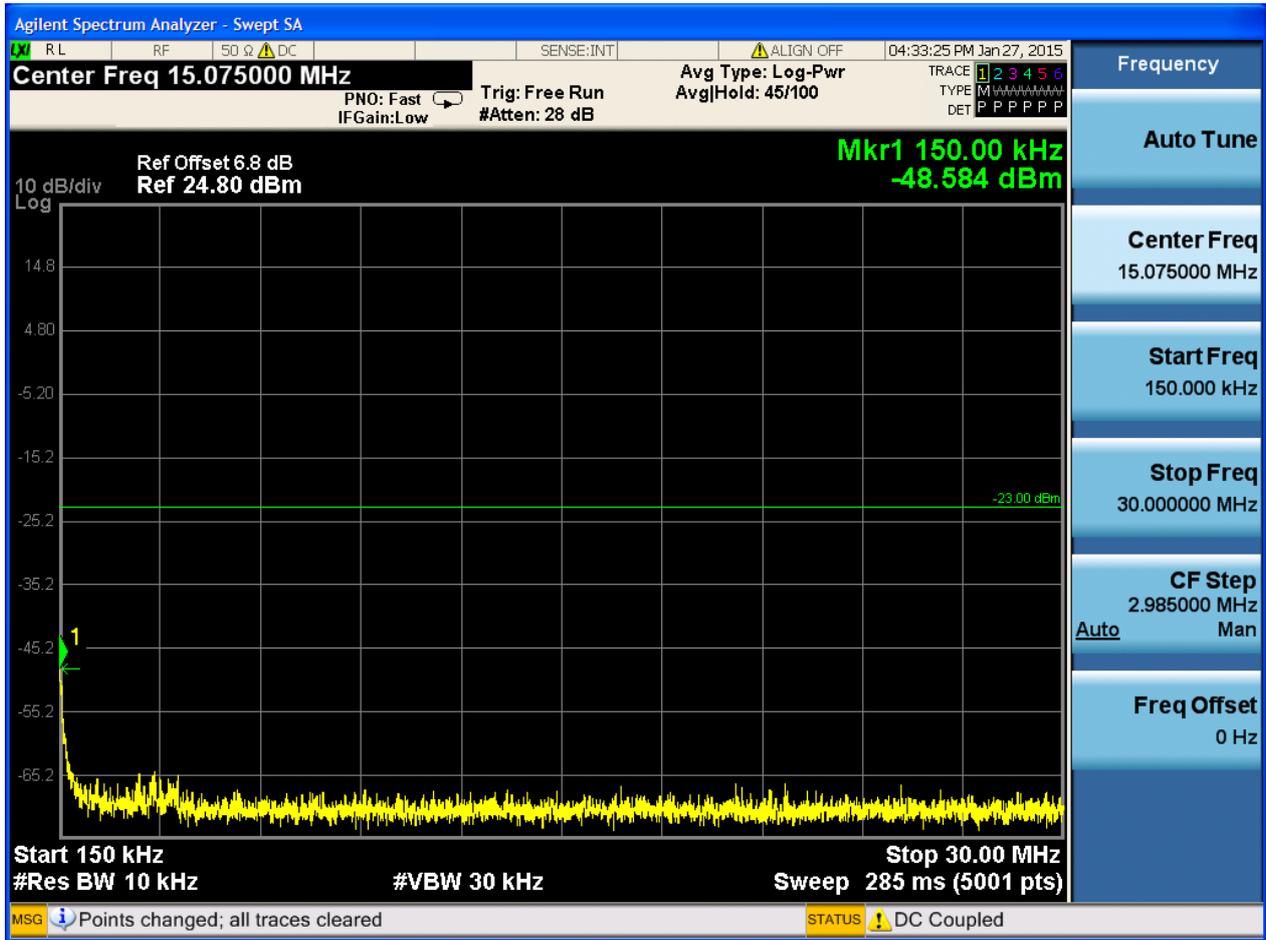
6.1.5.2.4.3.1 Test RB = RB1#0

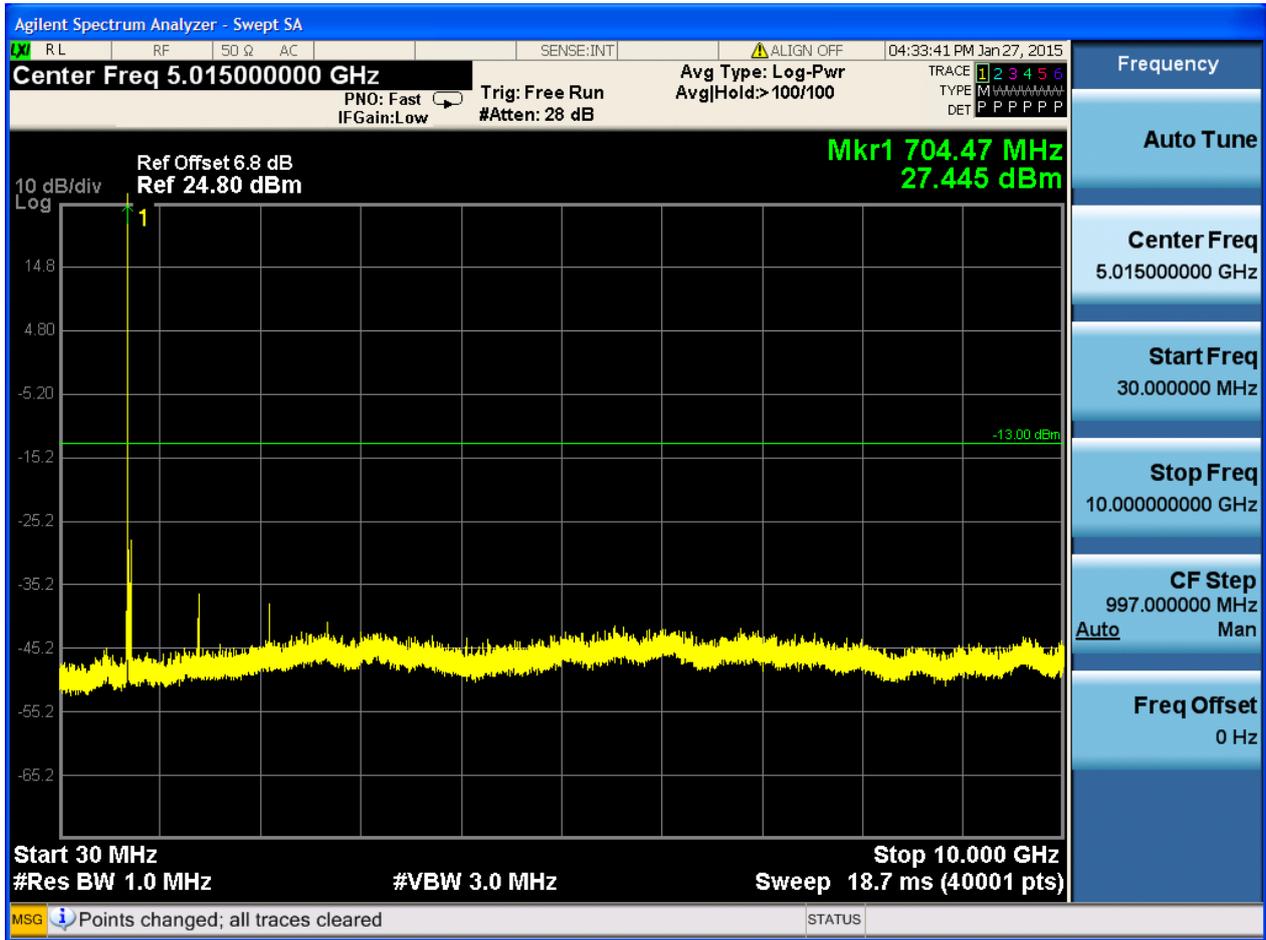








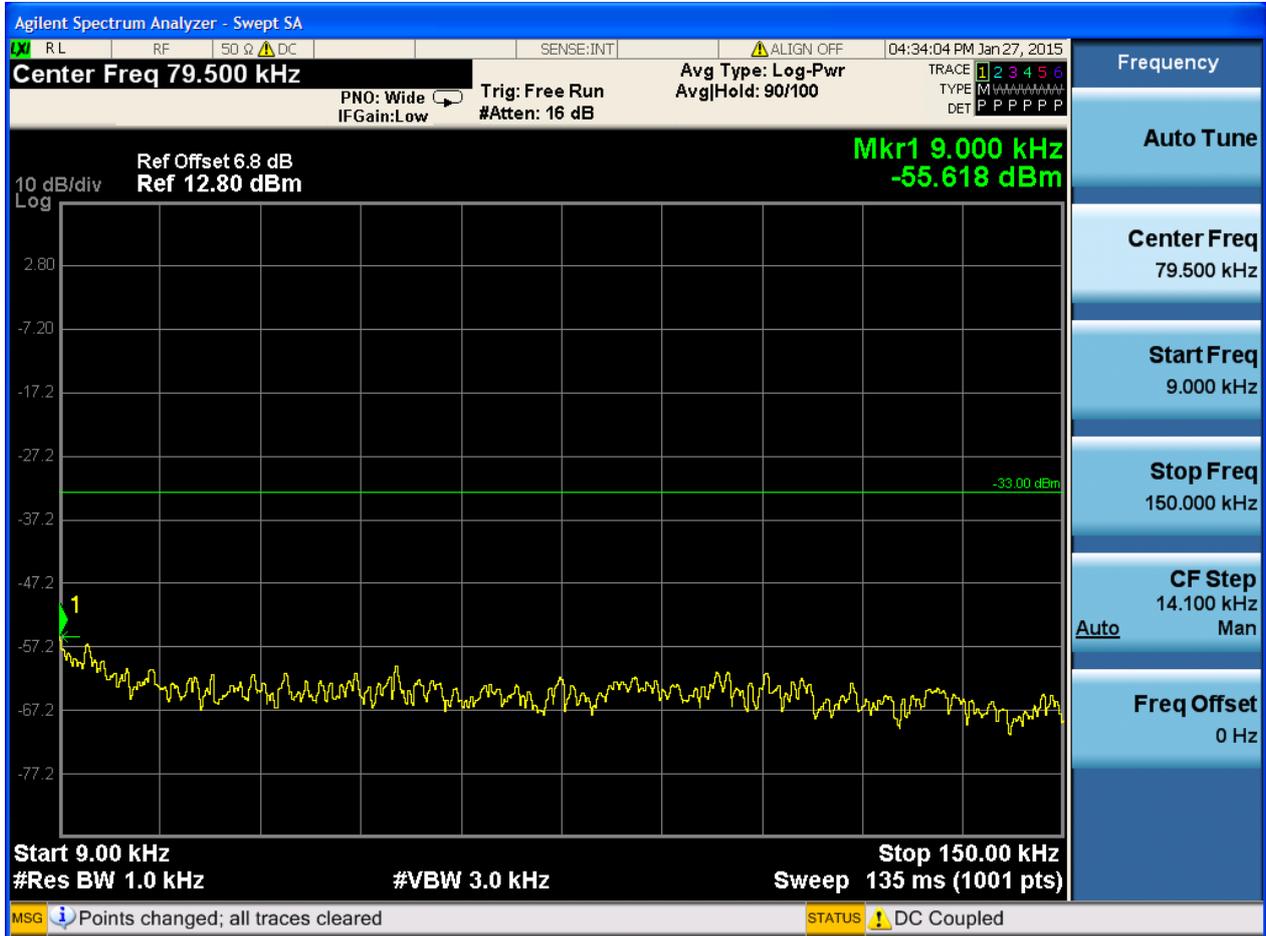




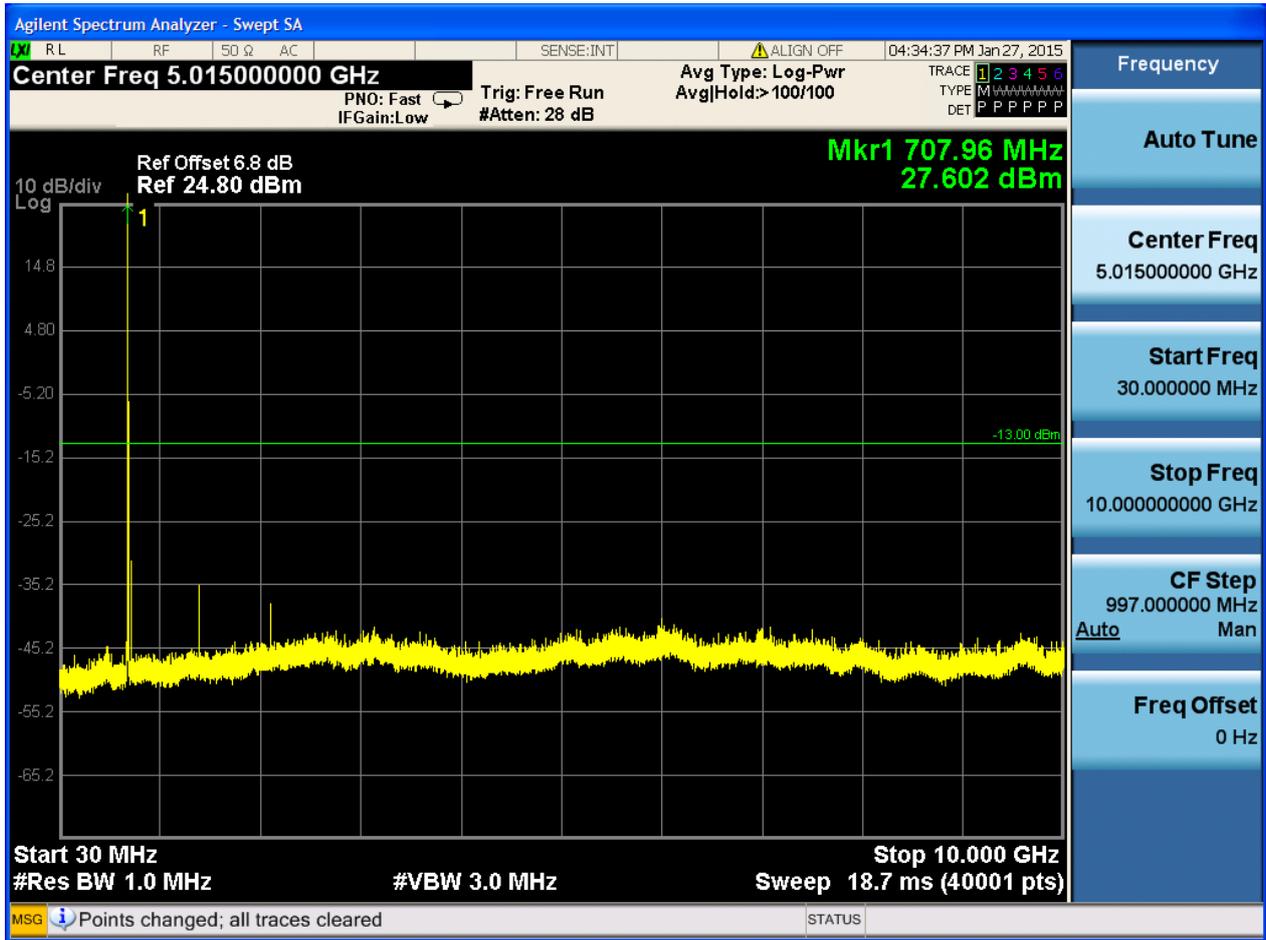


6.1.6.1.1.2 Test Channel = MCH

6.1.6.1.1.2.1 Test RB = RB1#0



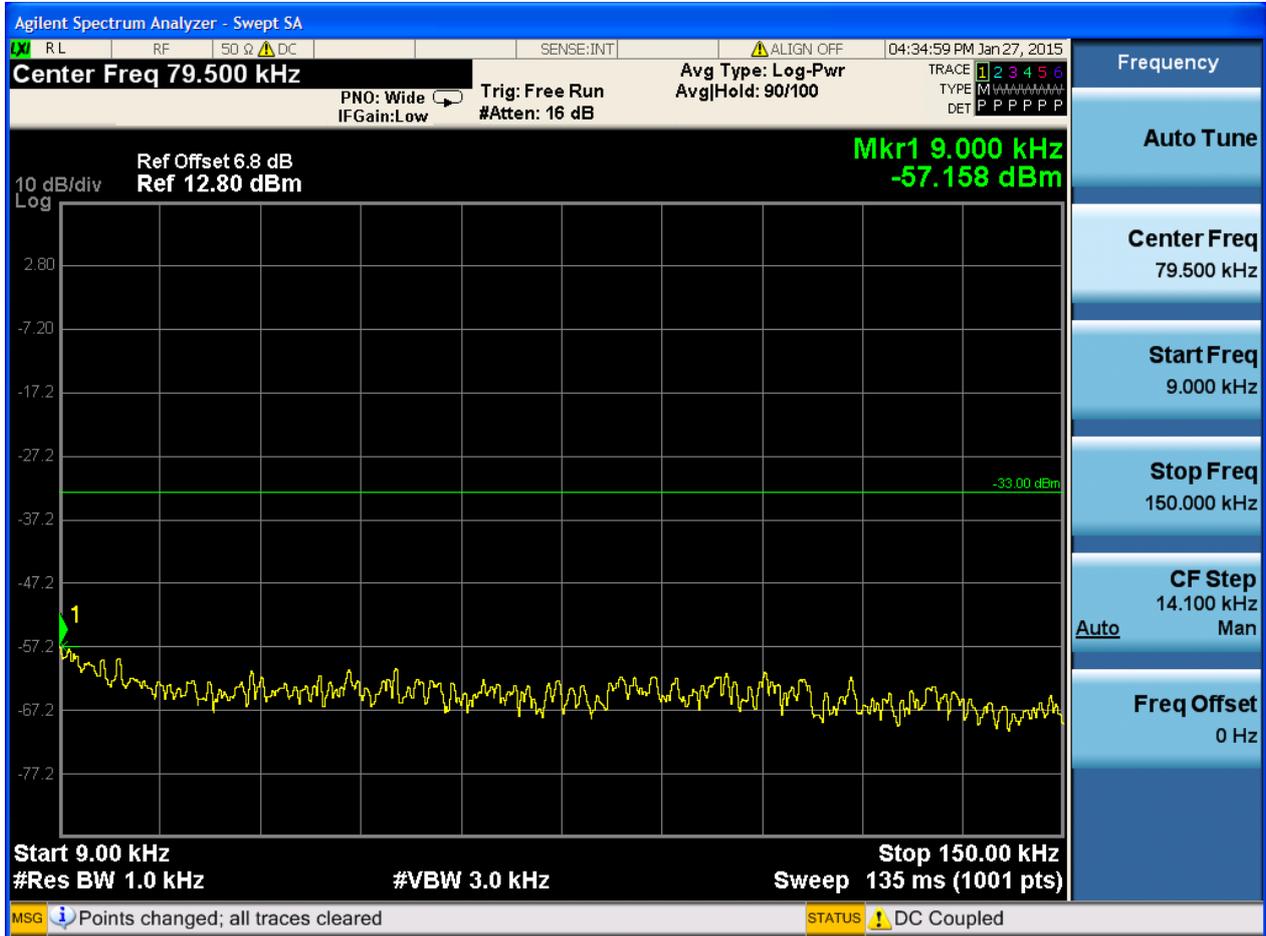


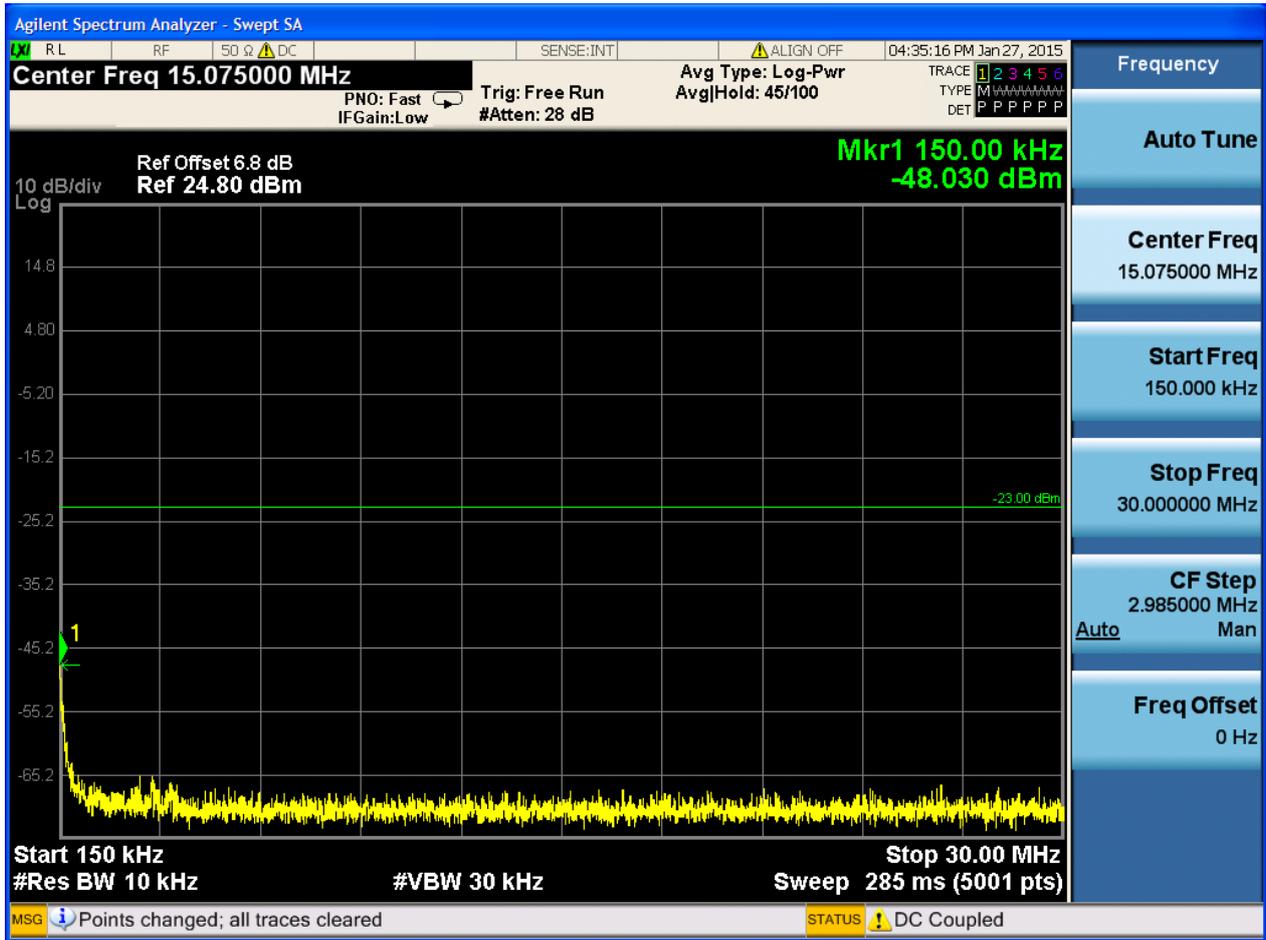


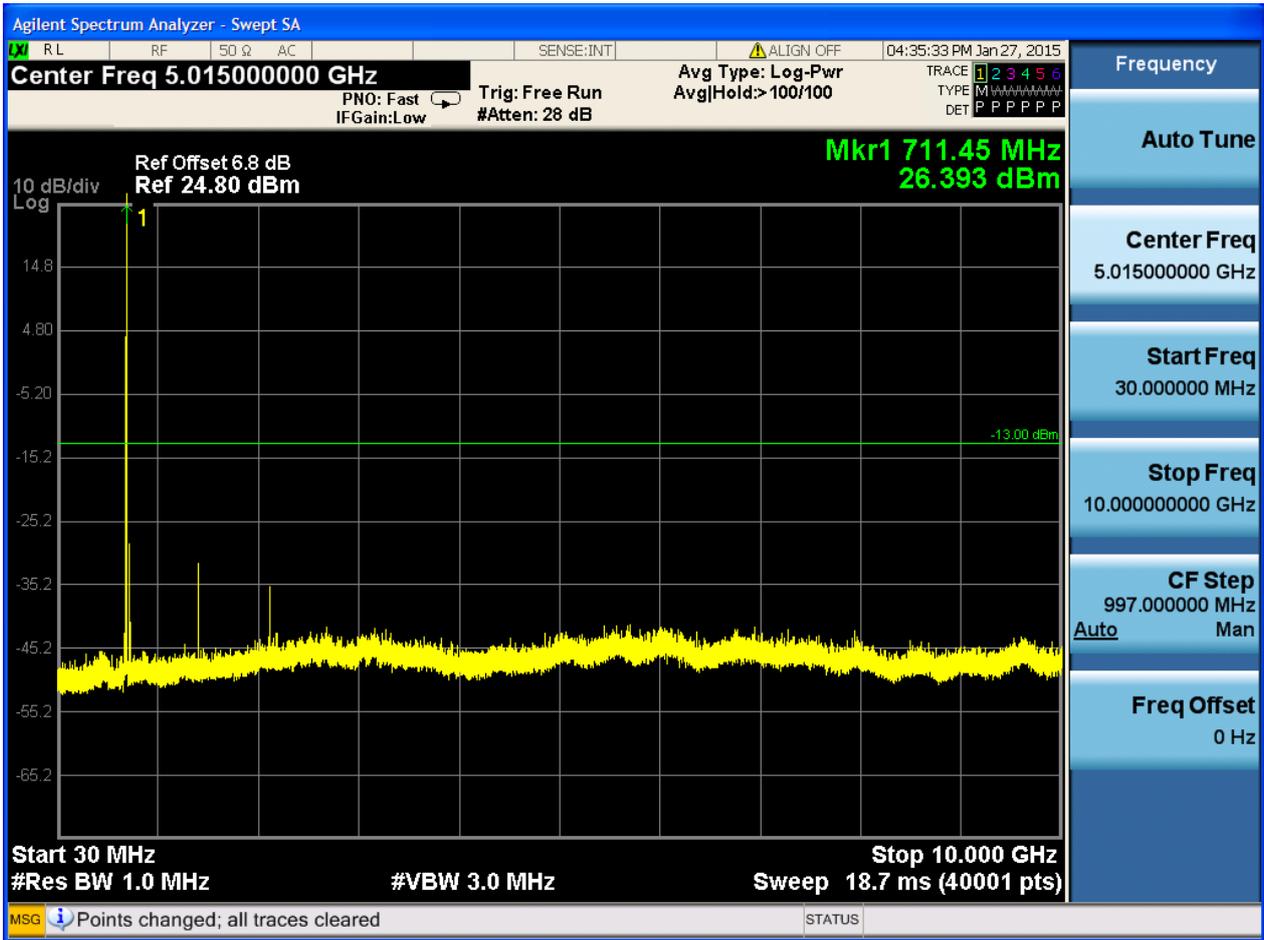


6.1.6.1.1.3 Test Channel = HCH

6.1.6.1.1.3.1 Test RB = RB1#0





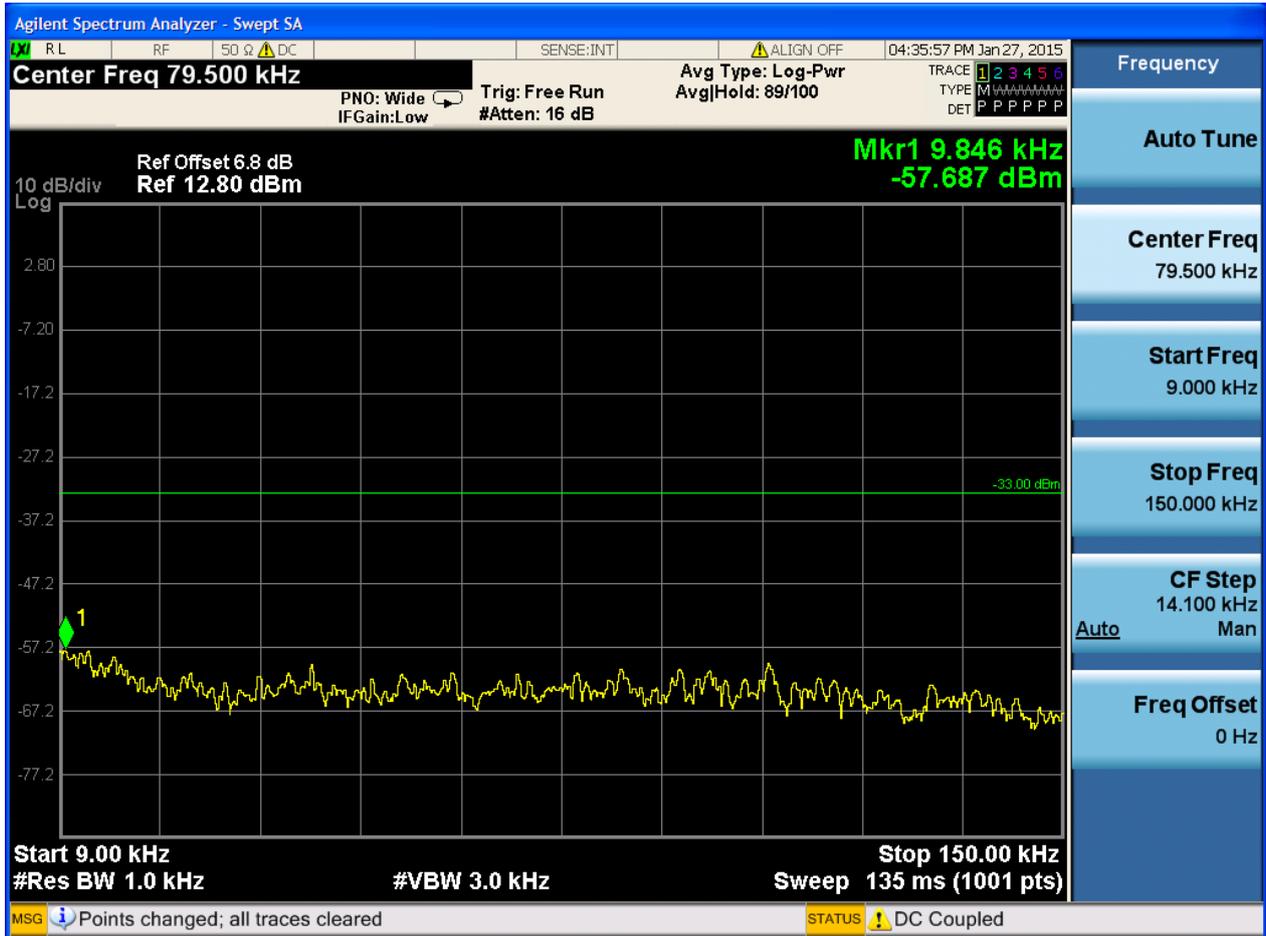


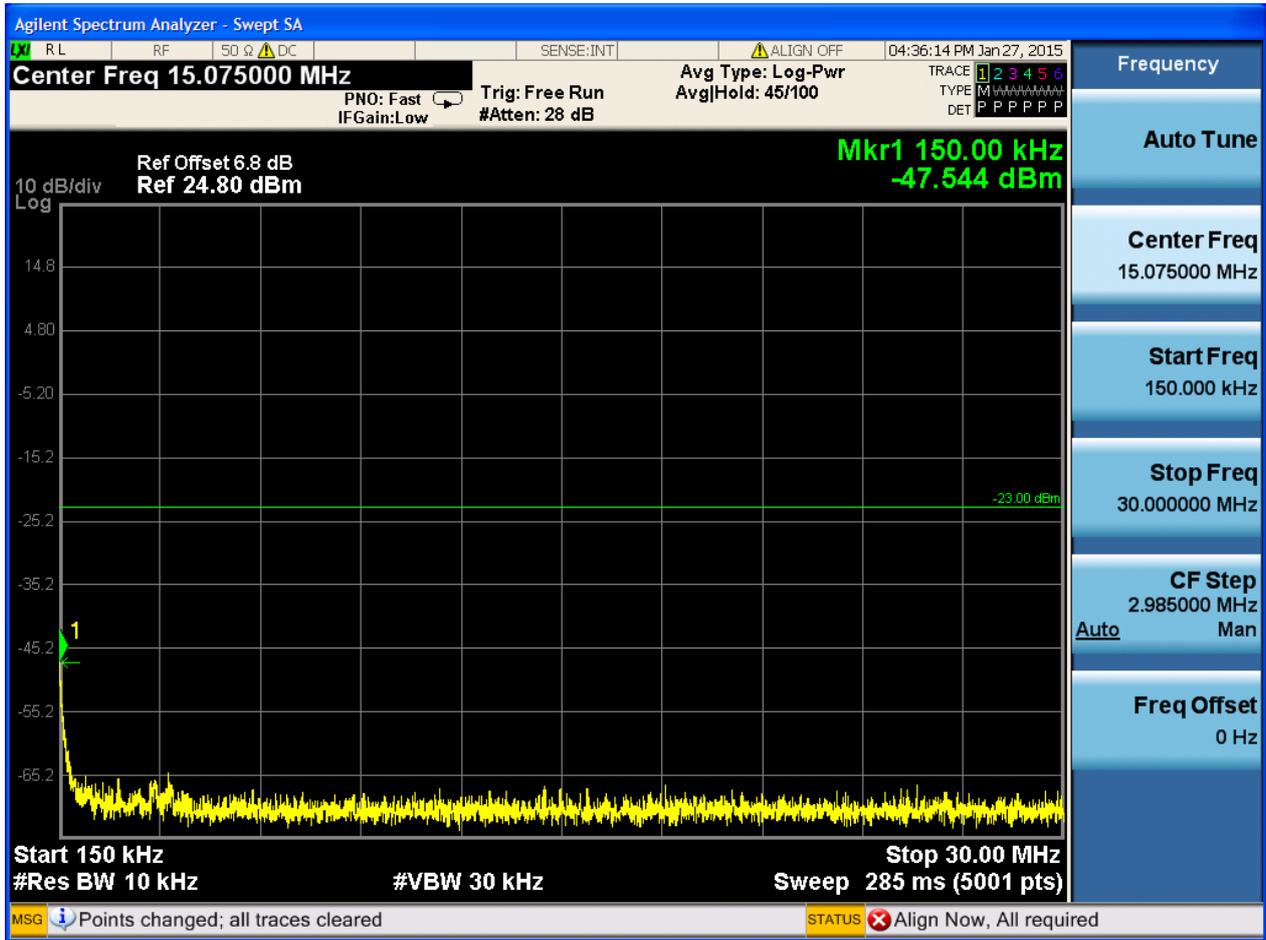


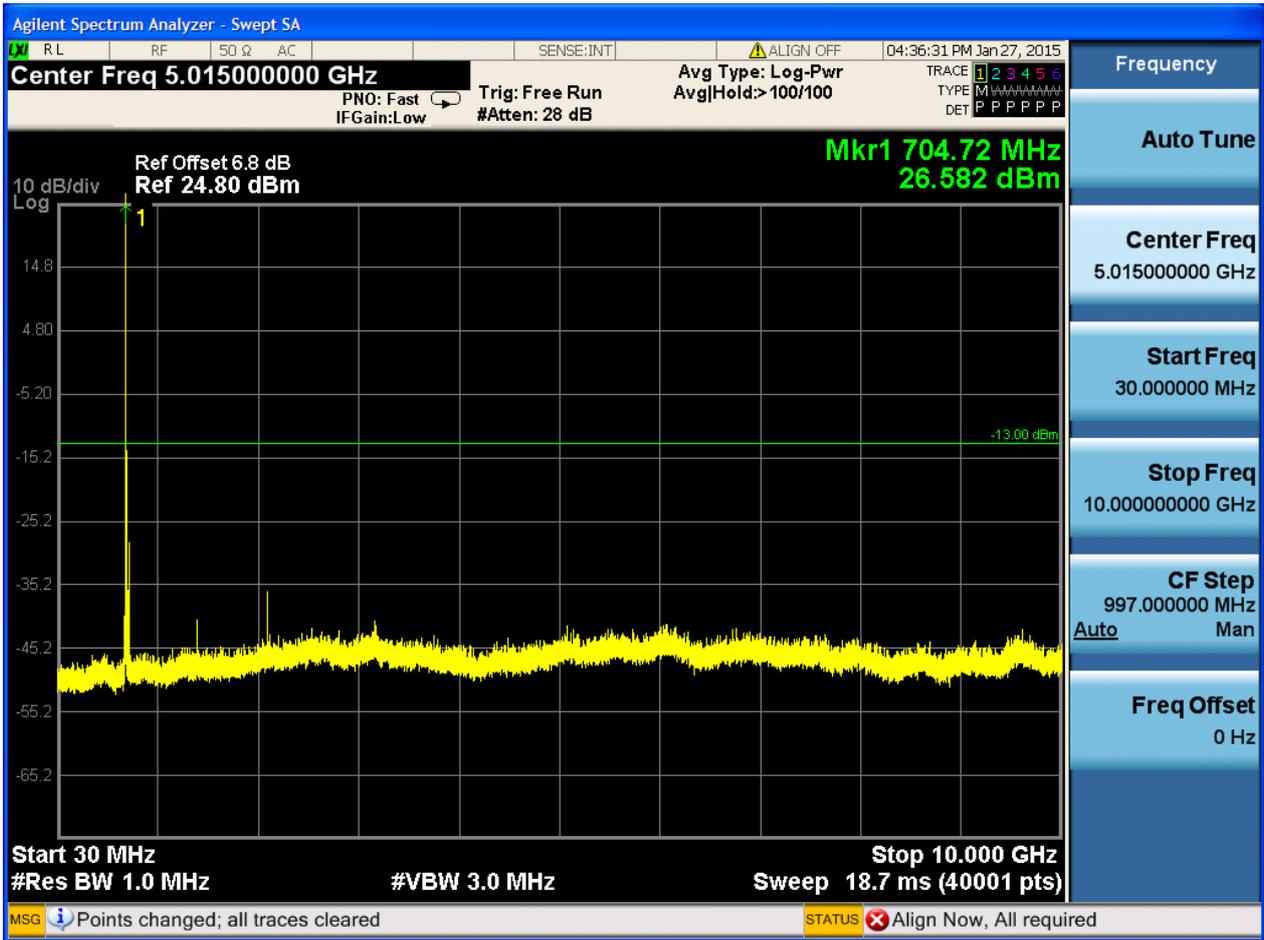
6.1.6.1.2 Test Bandwidth = 10

6.1.6.1.2.1 Test Channel = LCH

6.1.6.1.2.1.1 Test RB = RB1#0



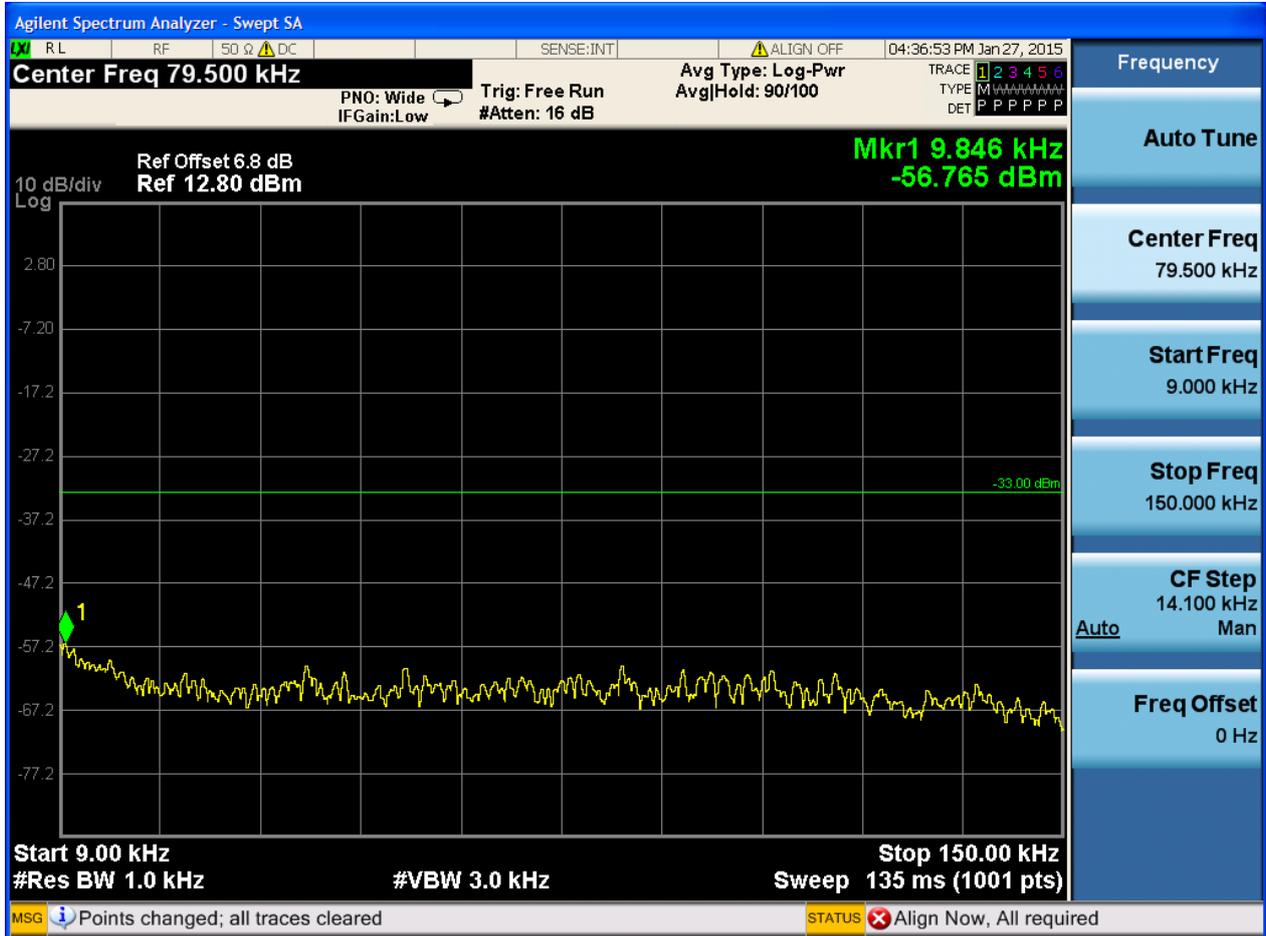


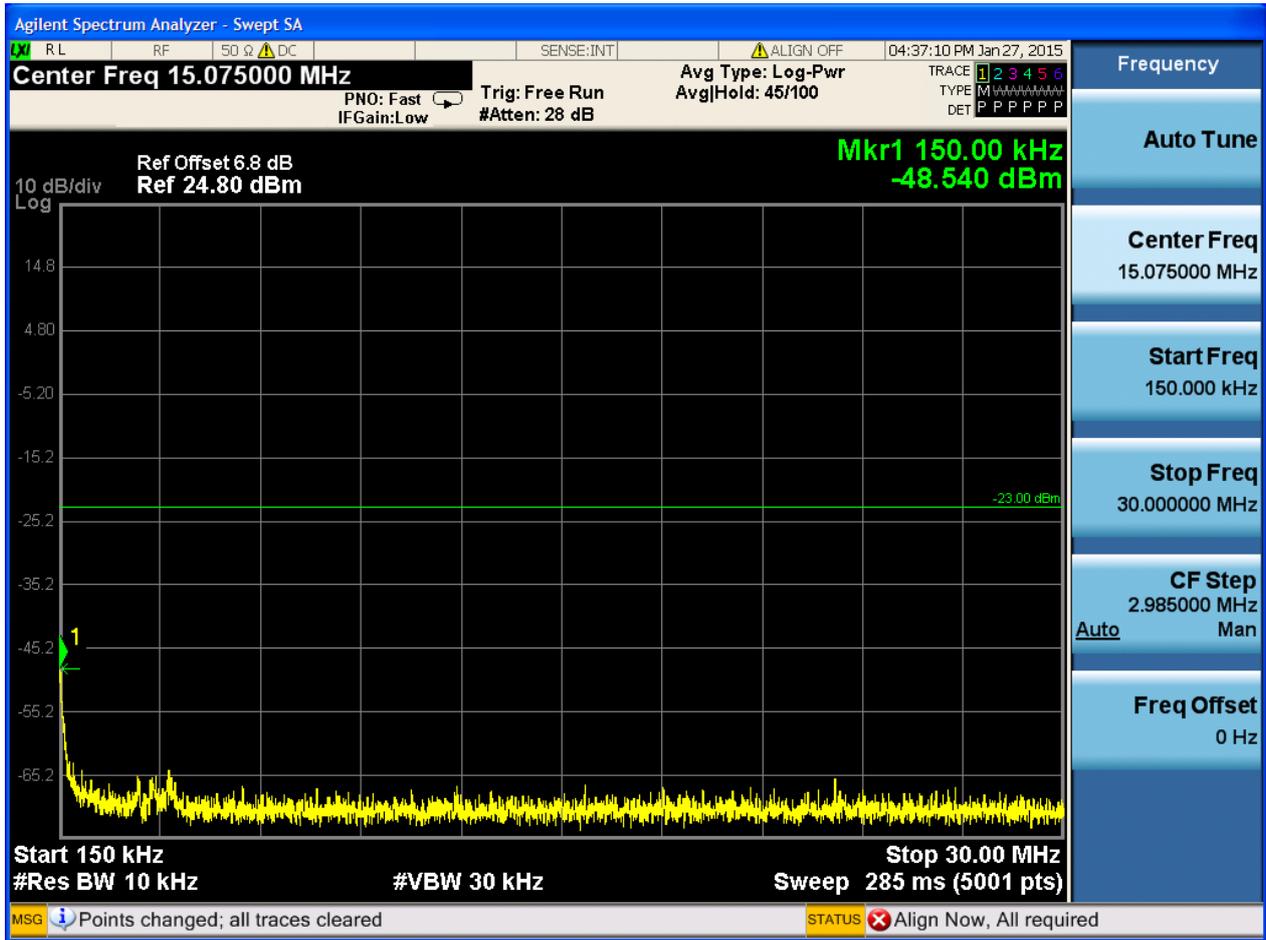


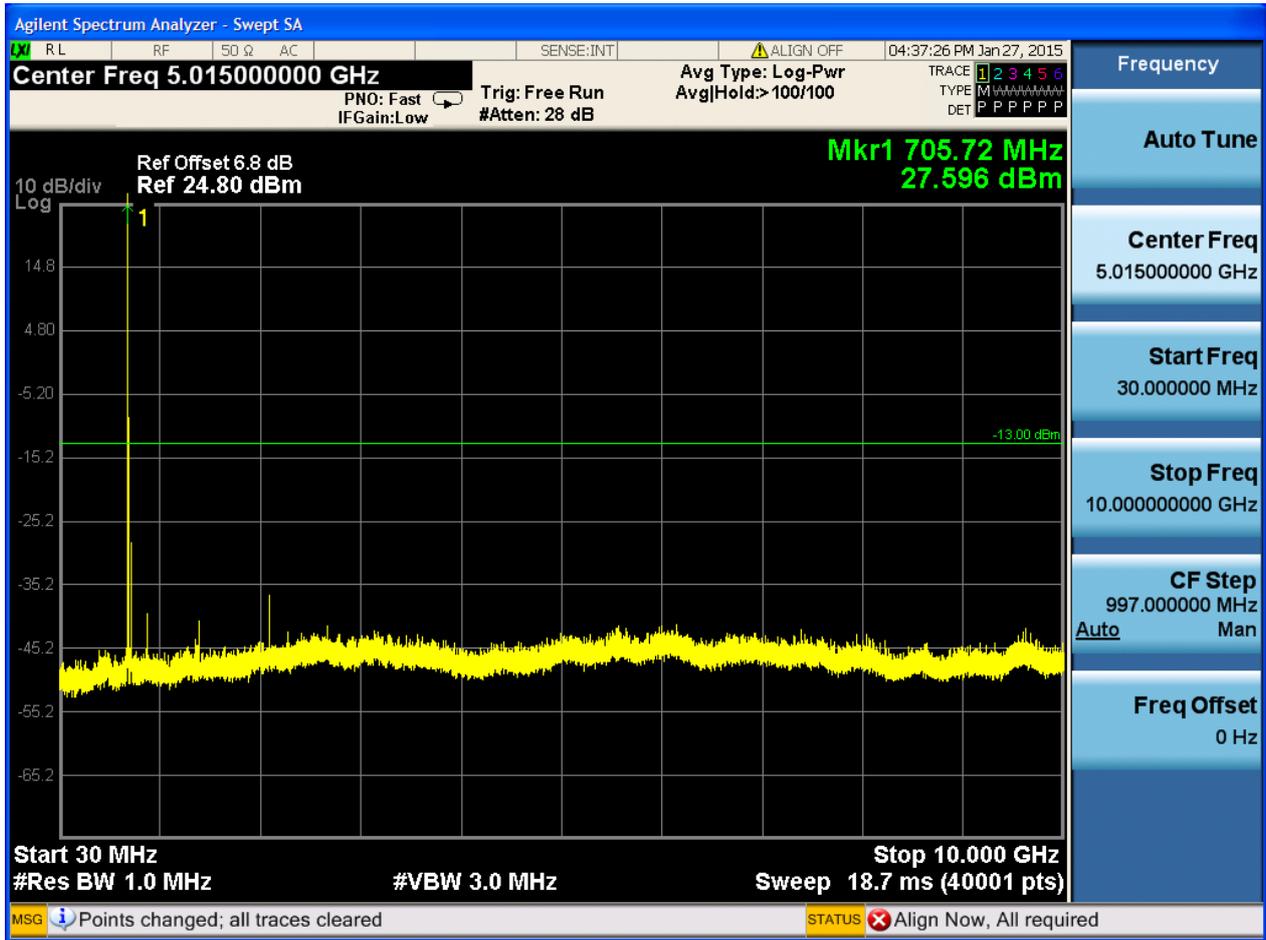


6.1.6.1.2.2 Test Channel = MCH

6.1.6.1.2.2.1 Test RB = RB1#0



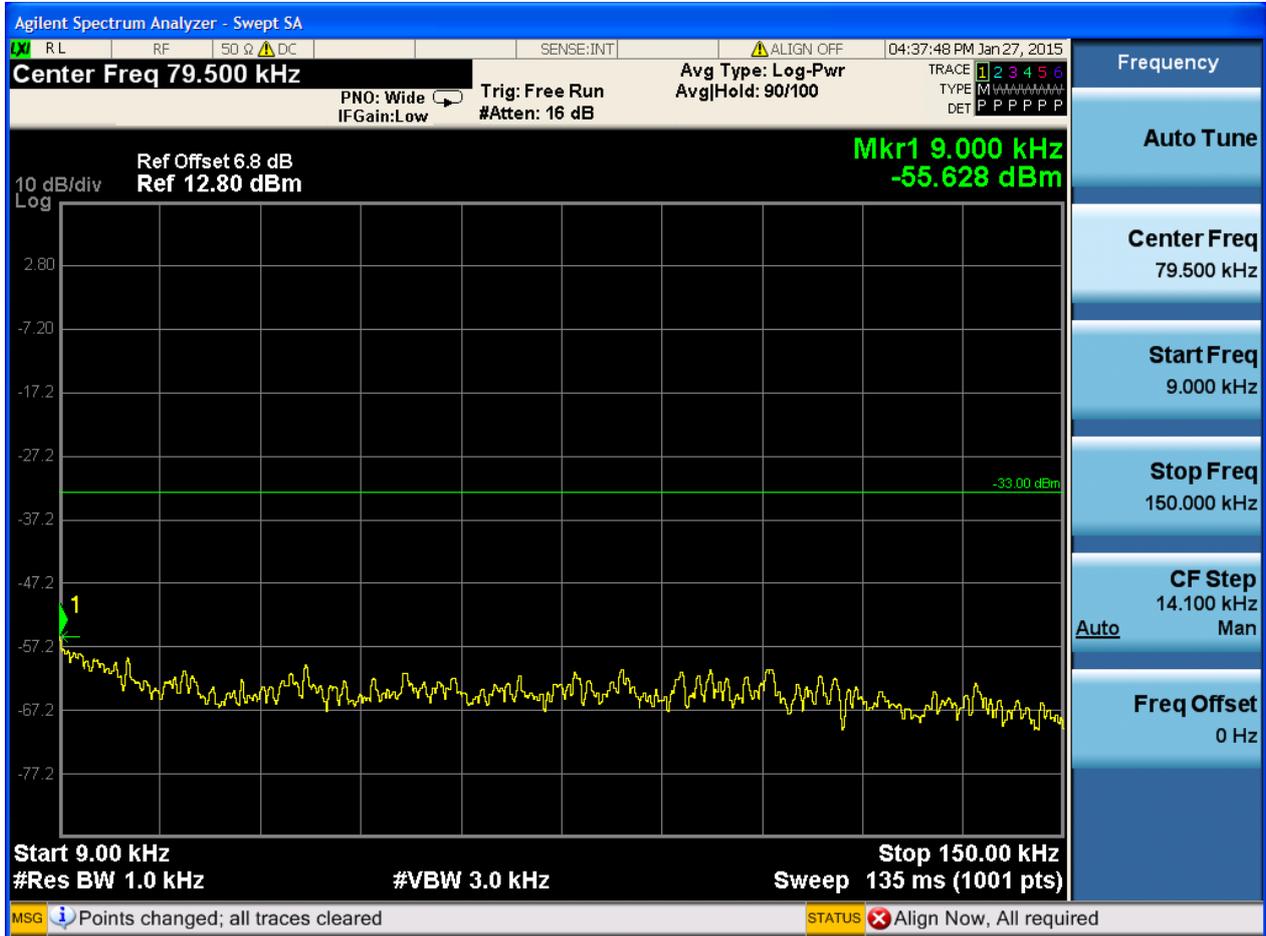




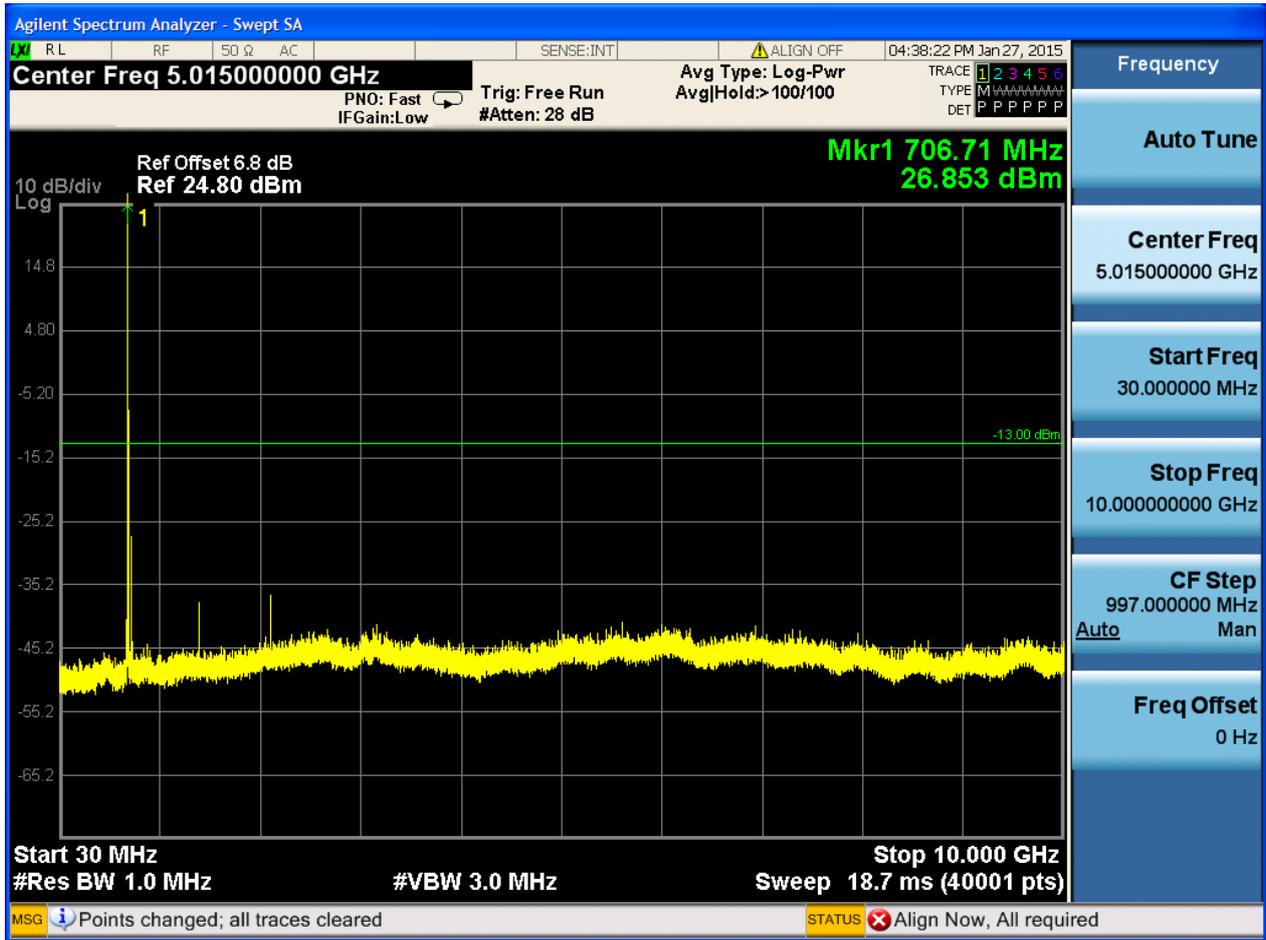


6.1.6.1.2.3 Test Channel = HCH

6.1.6.1.2.3.1 Test RB = RB1#0







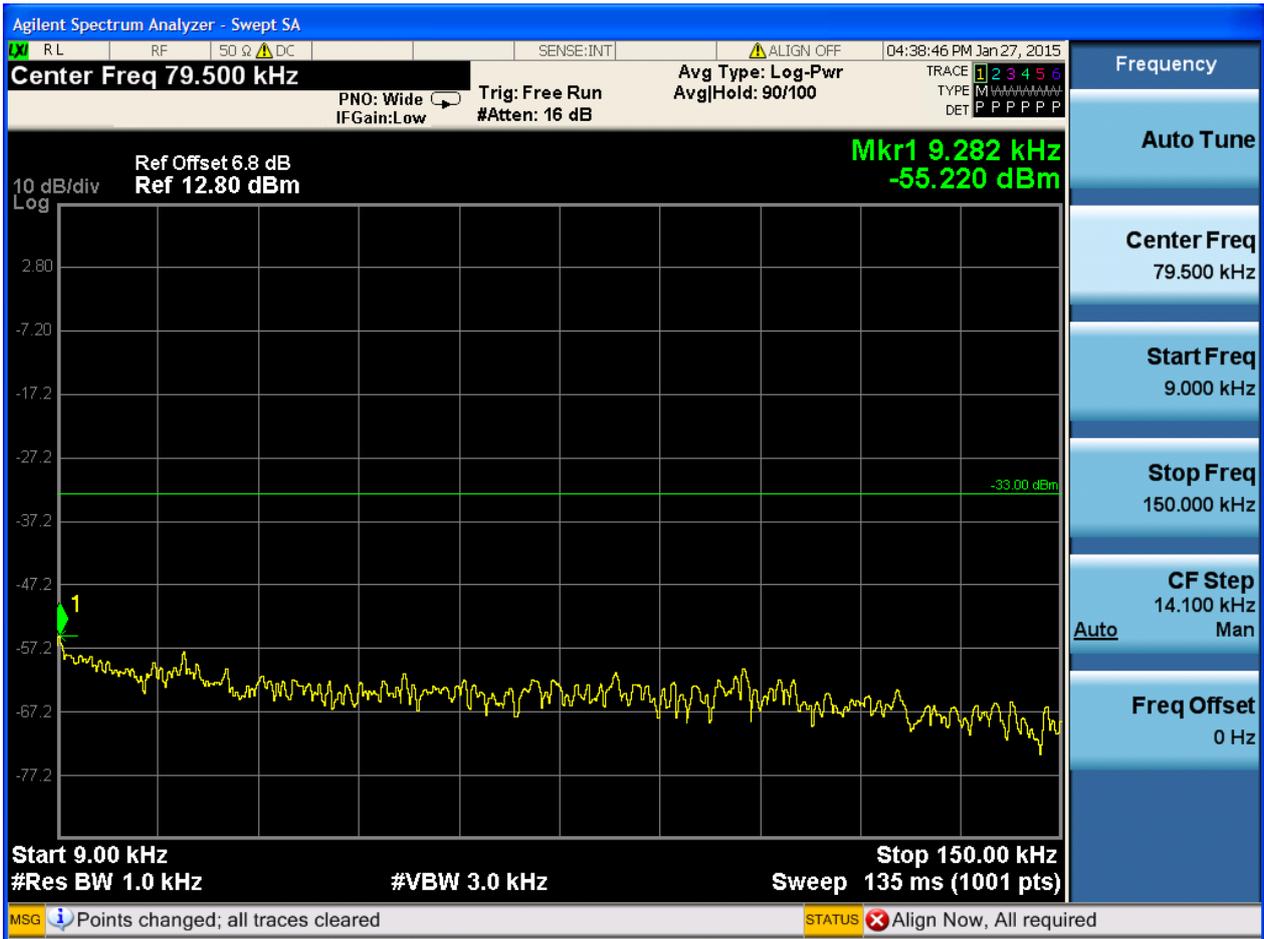


6.1.6.2 Test Mode = LTE/TM2

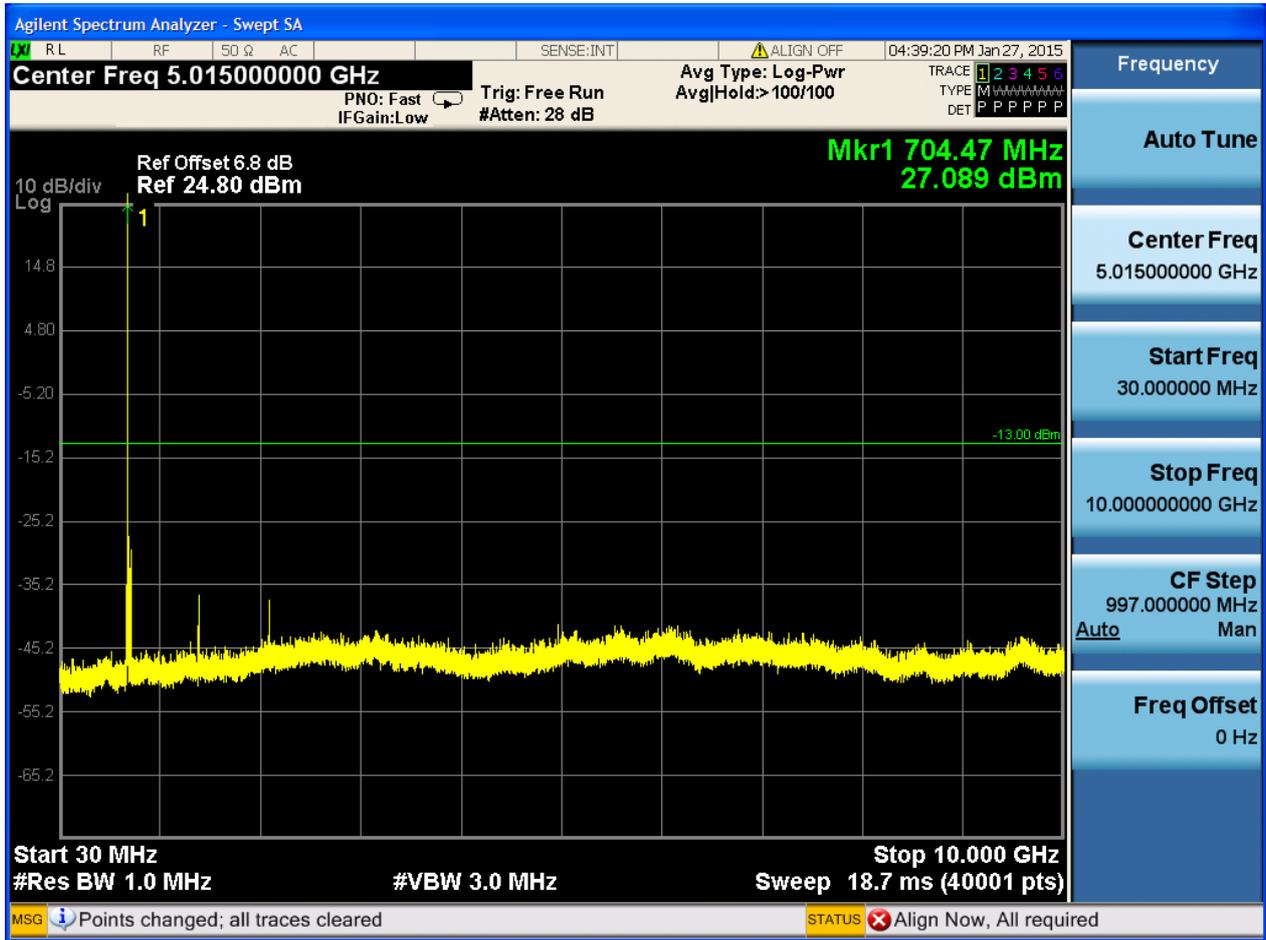
6.1.6.2.1 Test Bandwidth = 5

6.1.6.2.1.1 Test Channel = LCH

6.1.6.2.1.1.1 Test RB = RB1#0



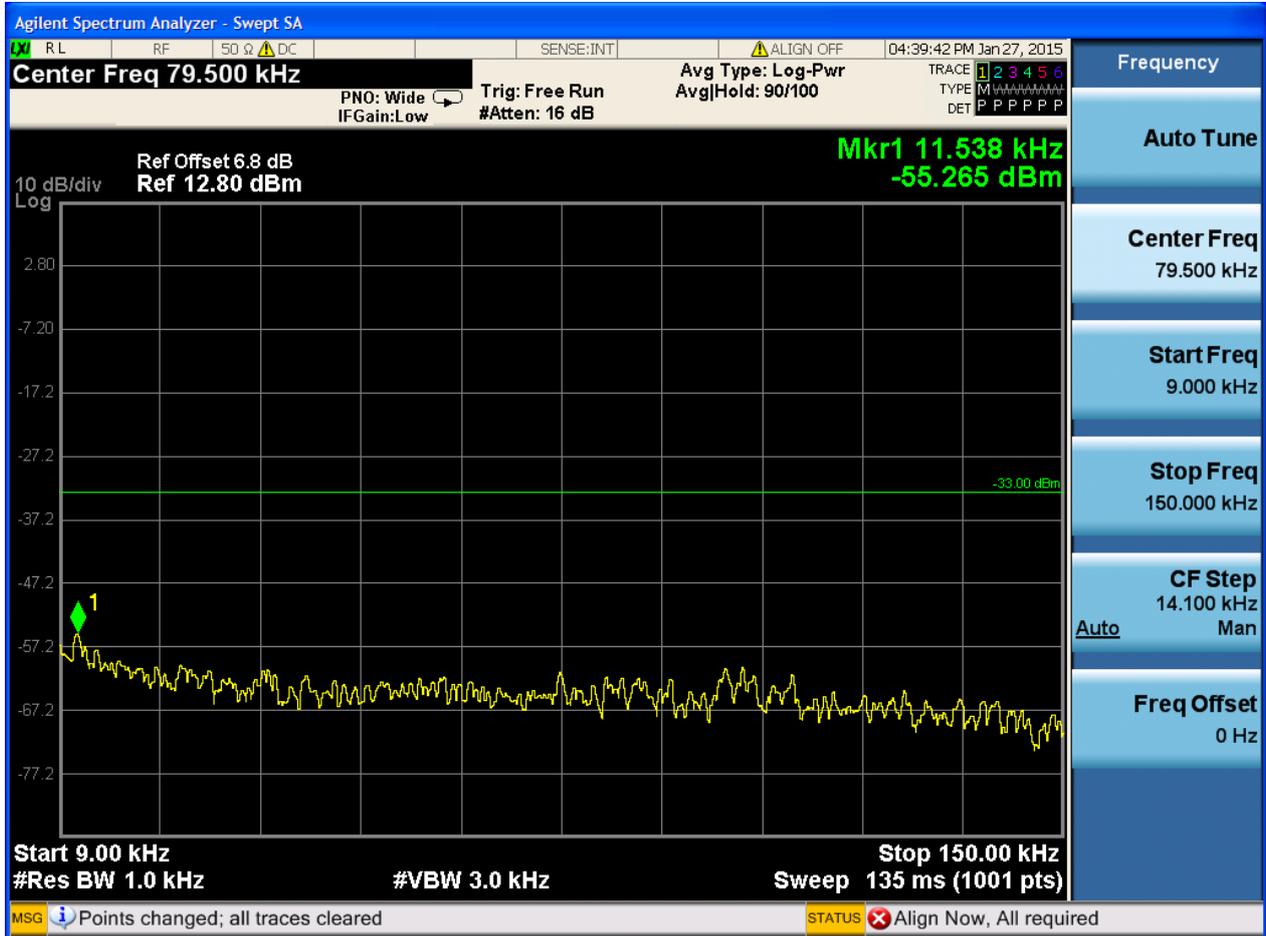


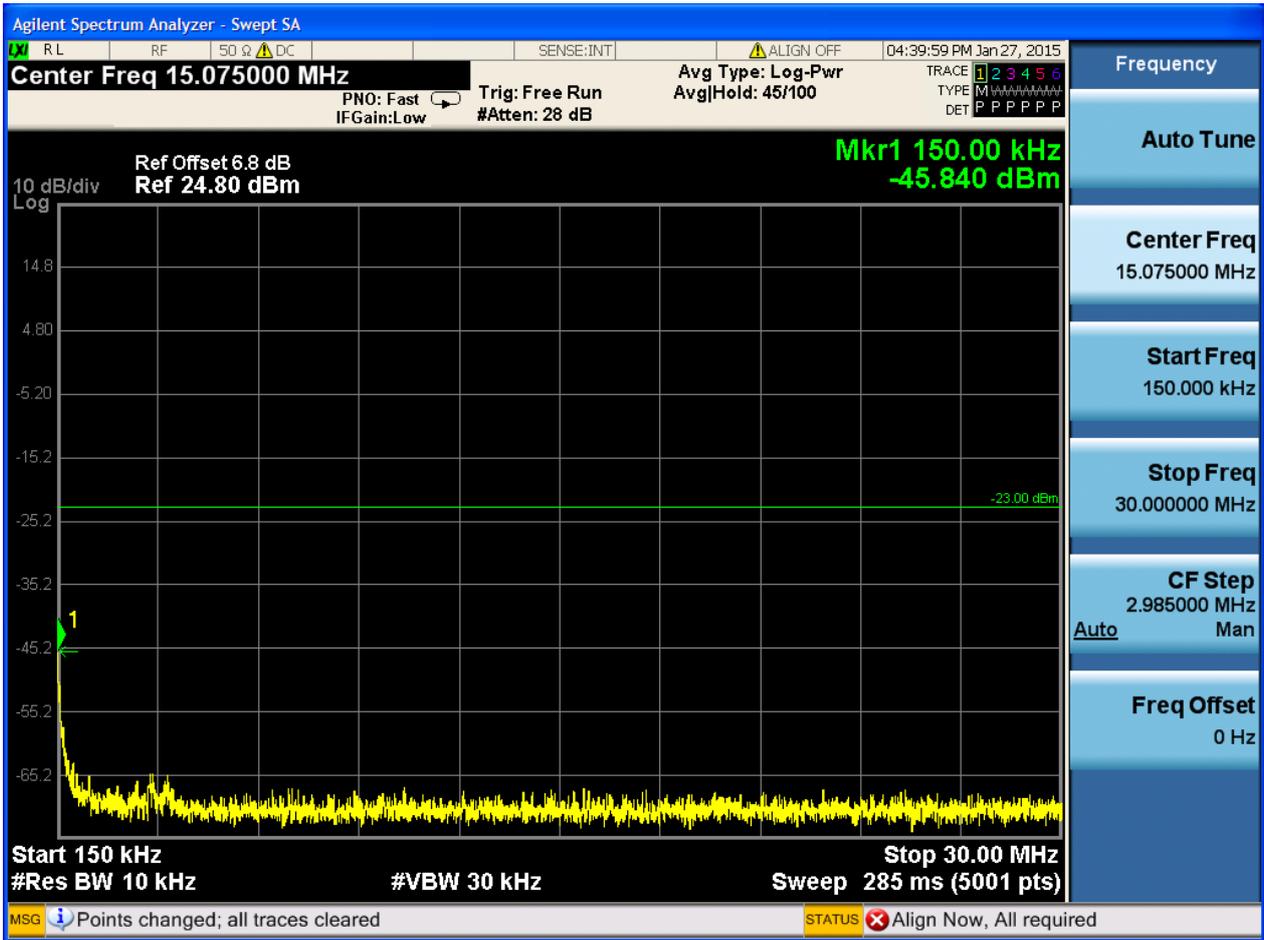


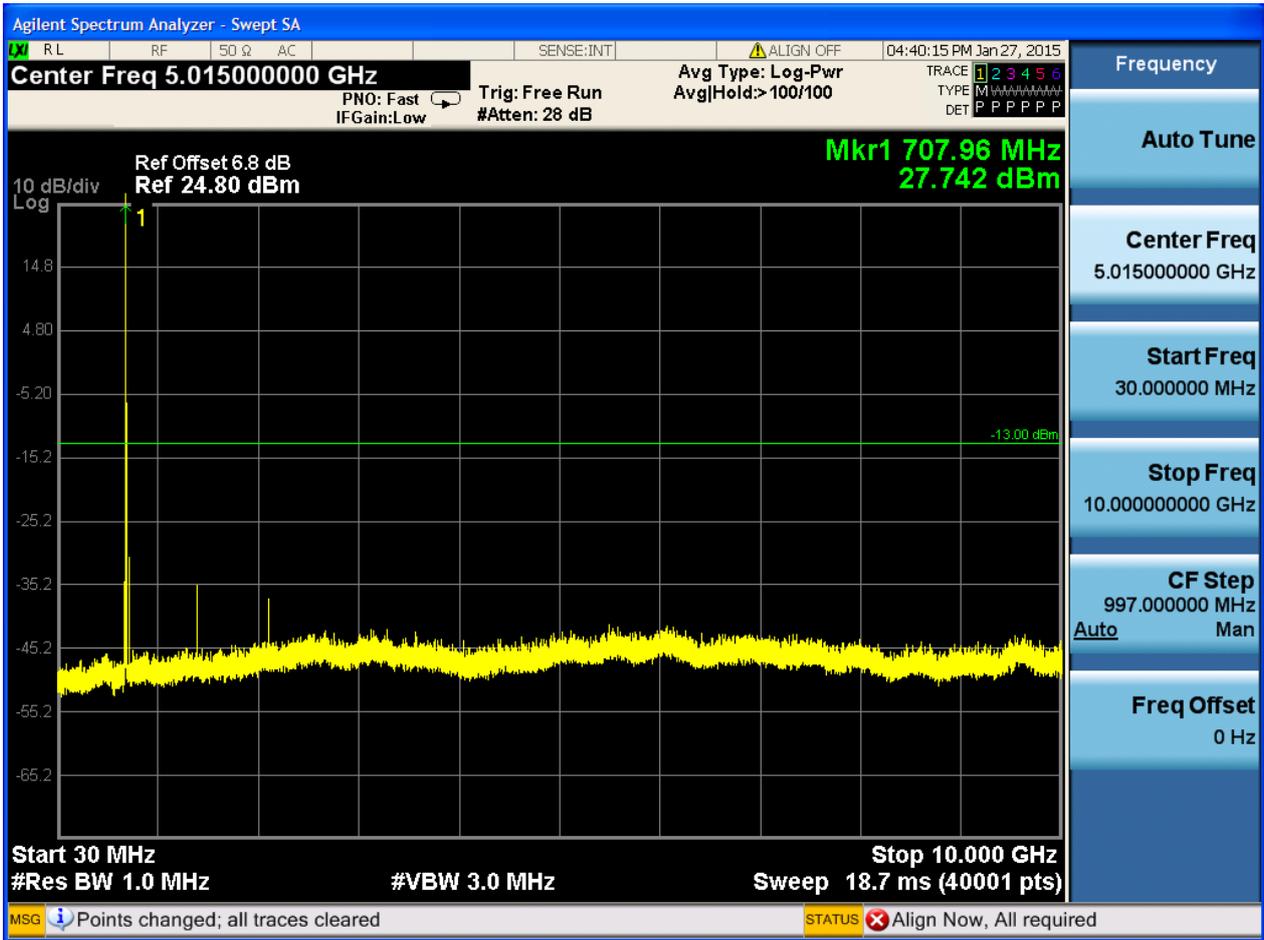


6.1.6.2.1.2 Test Channel = MCH

6.1.6.2.1.2.1 Test RB = RB1#0



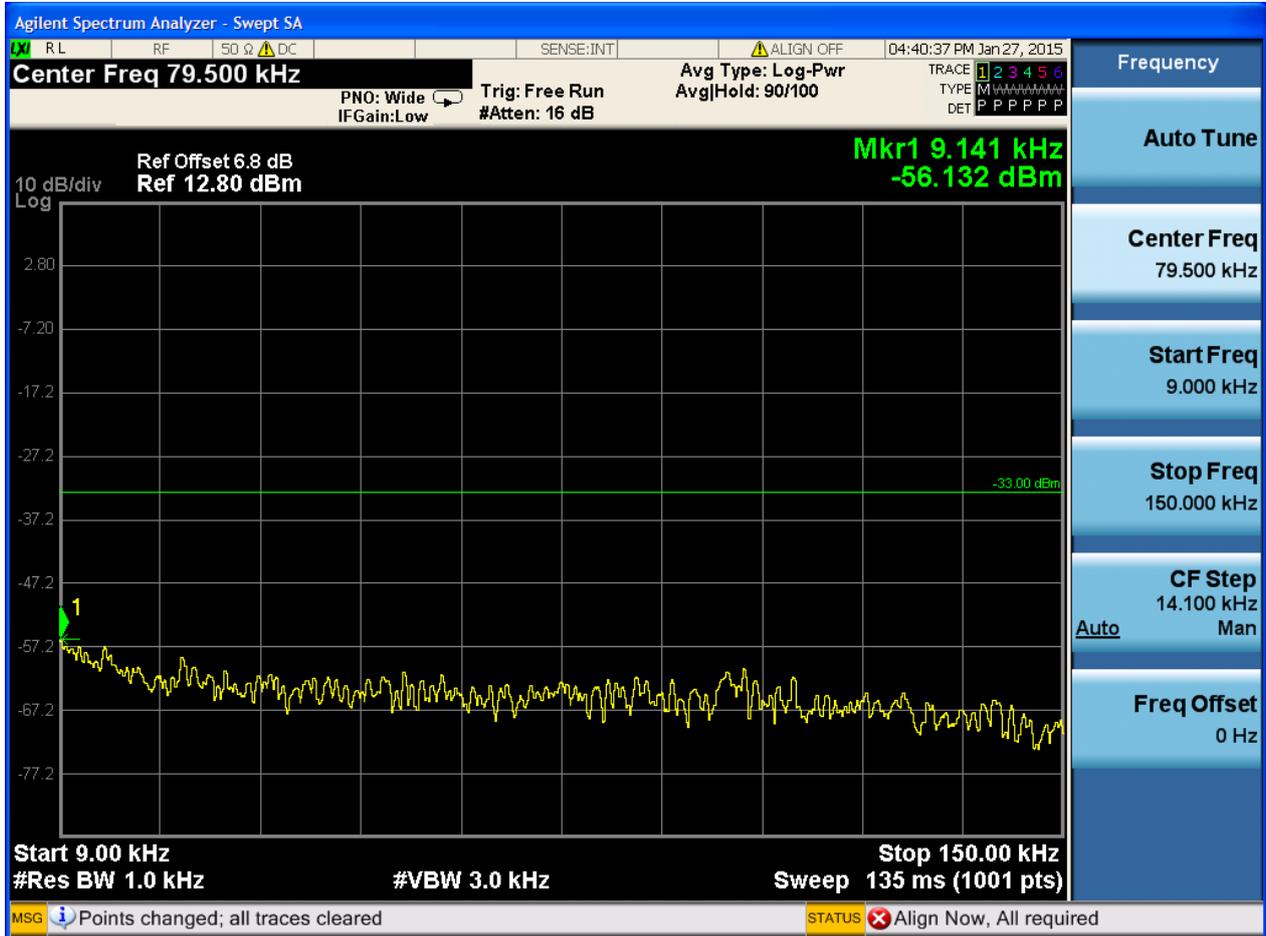




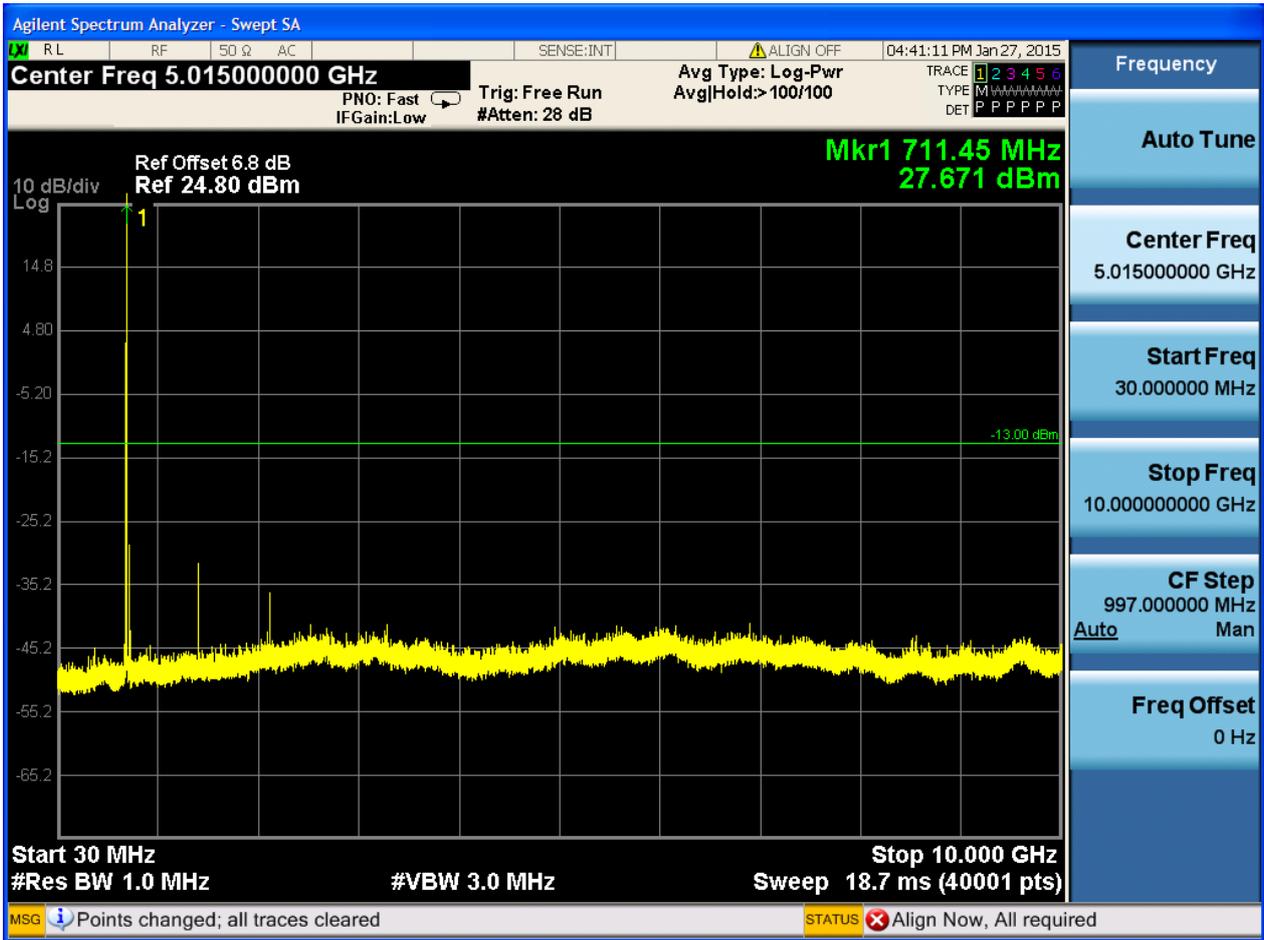


6.1.6.2.1.3 Test Channel = HCH

6.1.6.2.1.3.1 Test RB = RB1#0





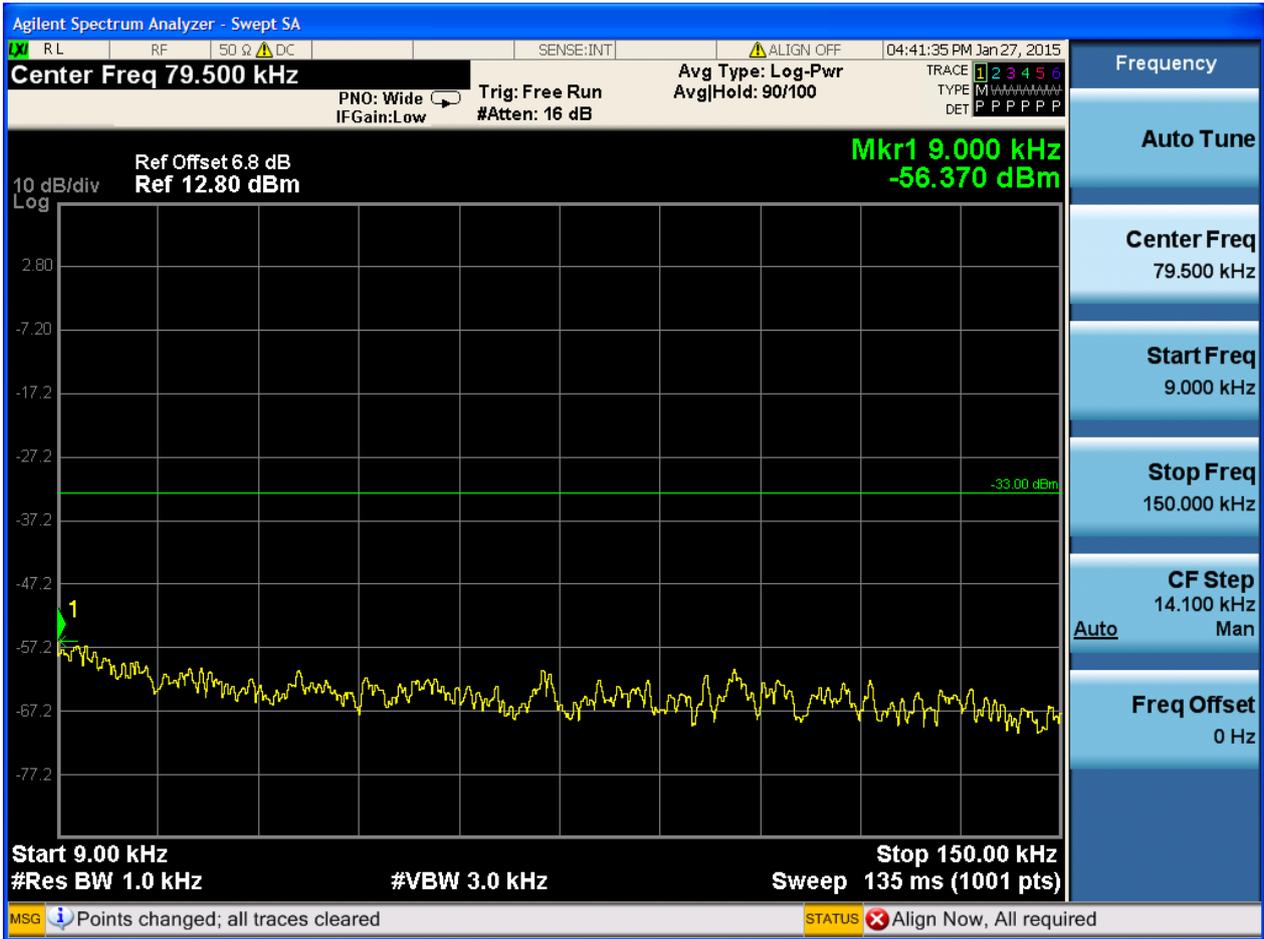




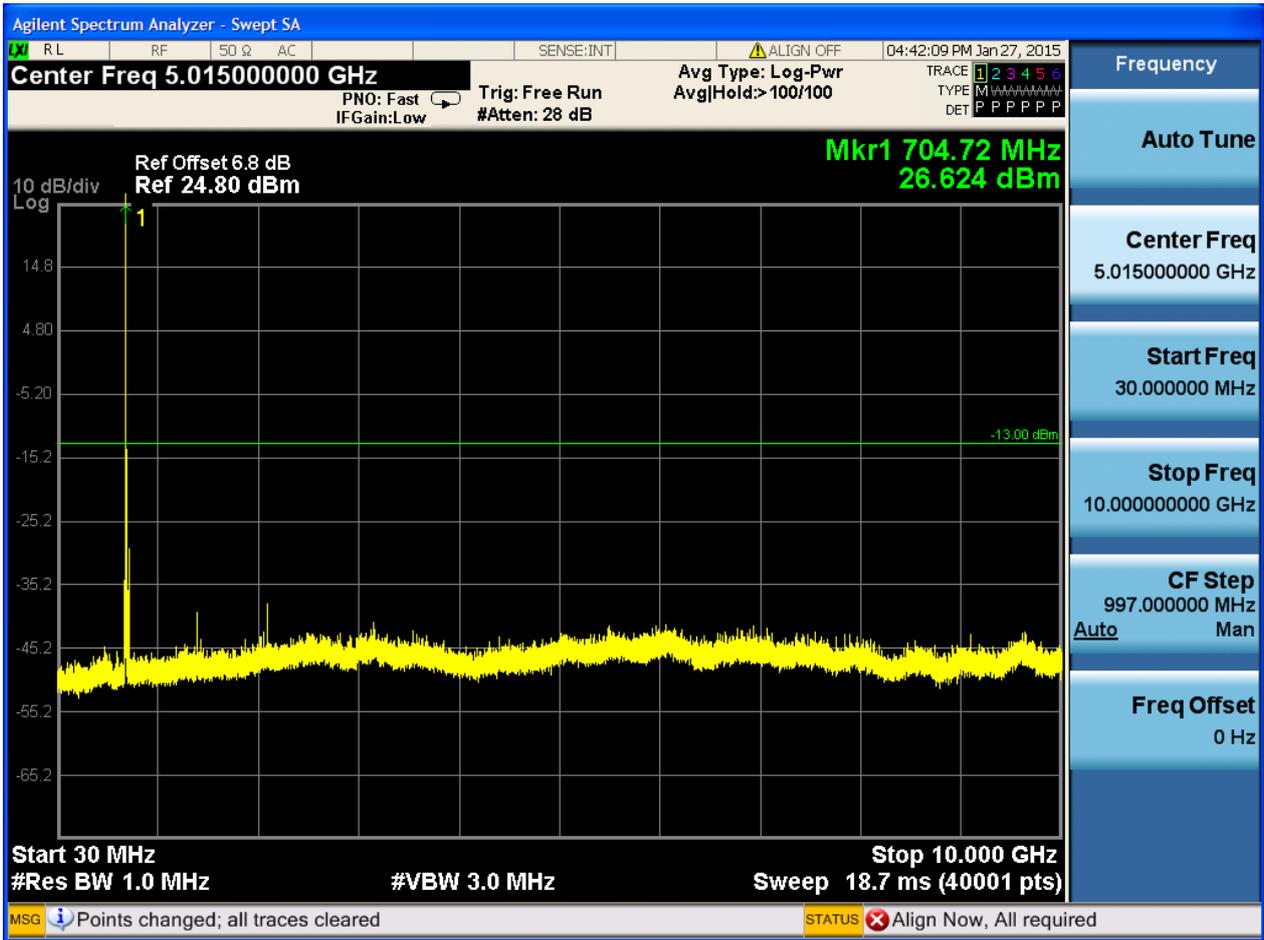
6.1.6.2.2 Test Bandwidth = 10

6.1.6.2.2.1 Test Channel = LCH

6.1.6.2.2.1.1 Test RB = RB1#0



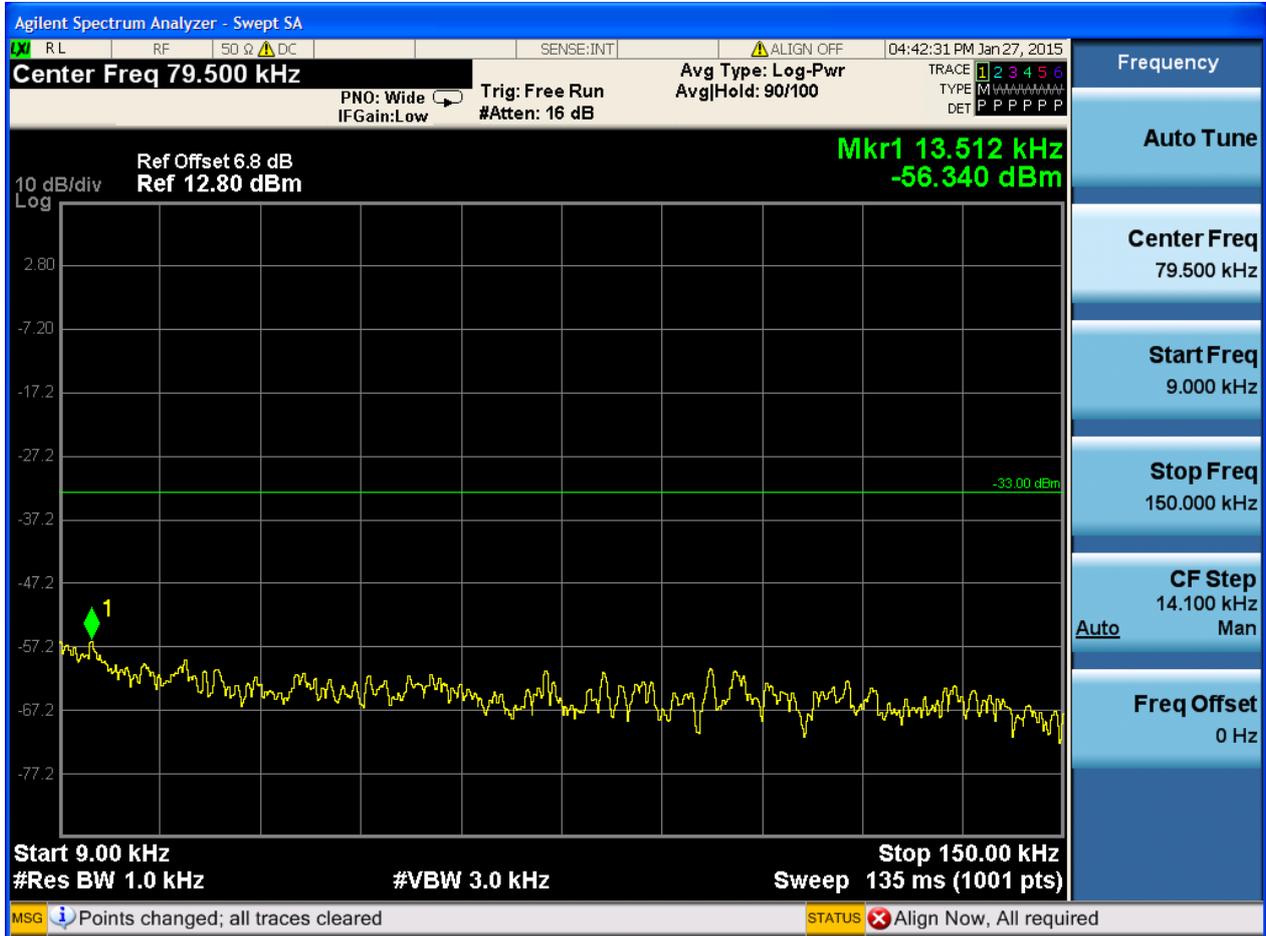


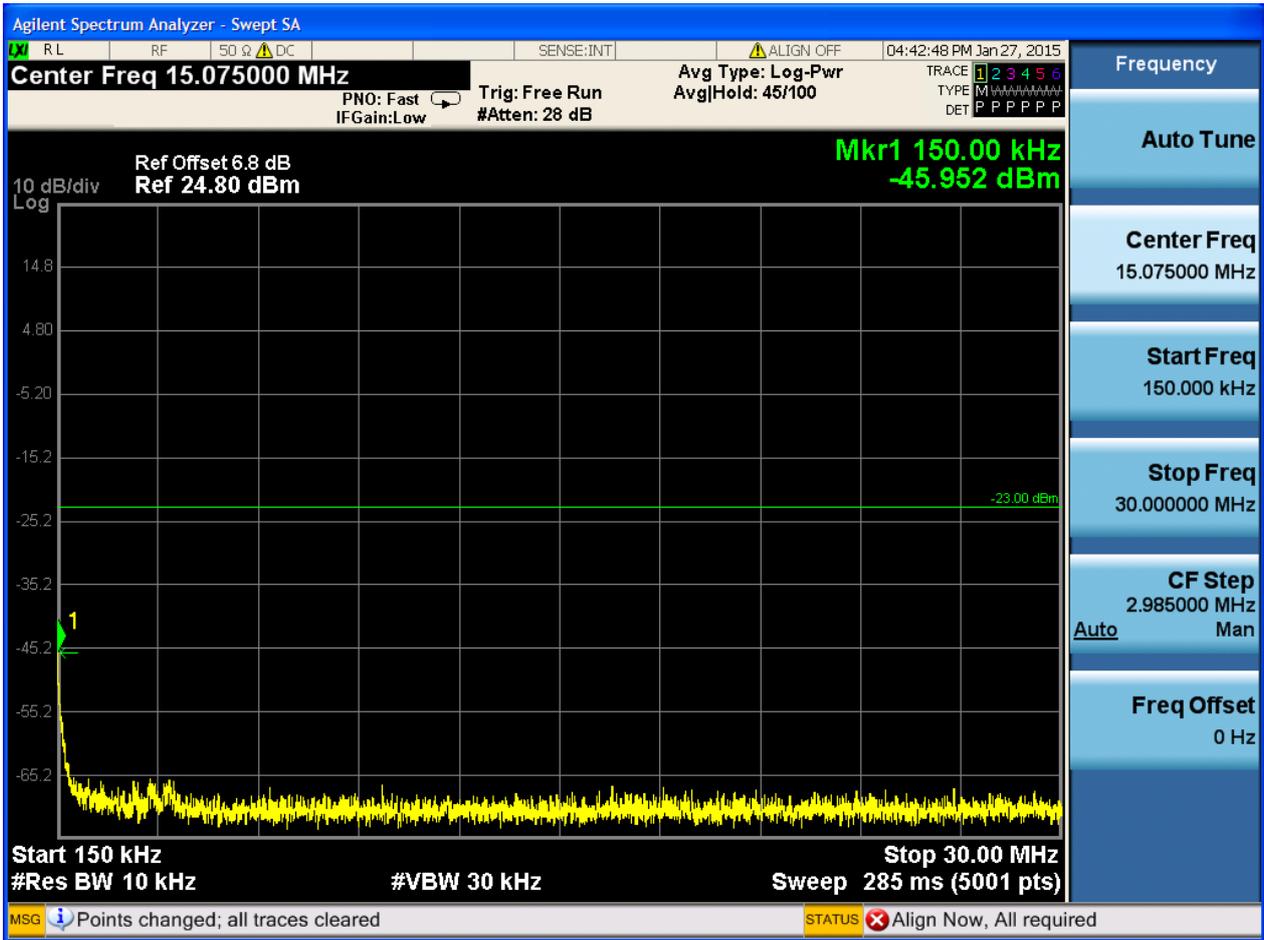


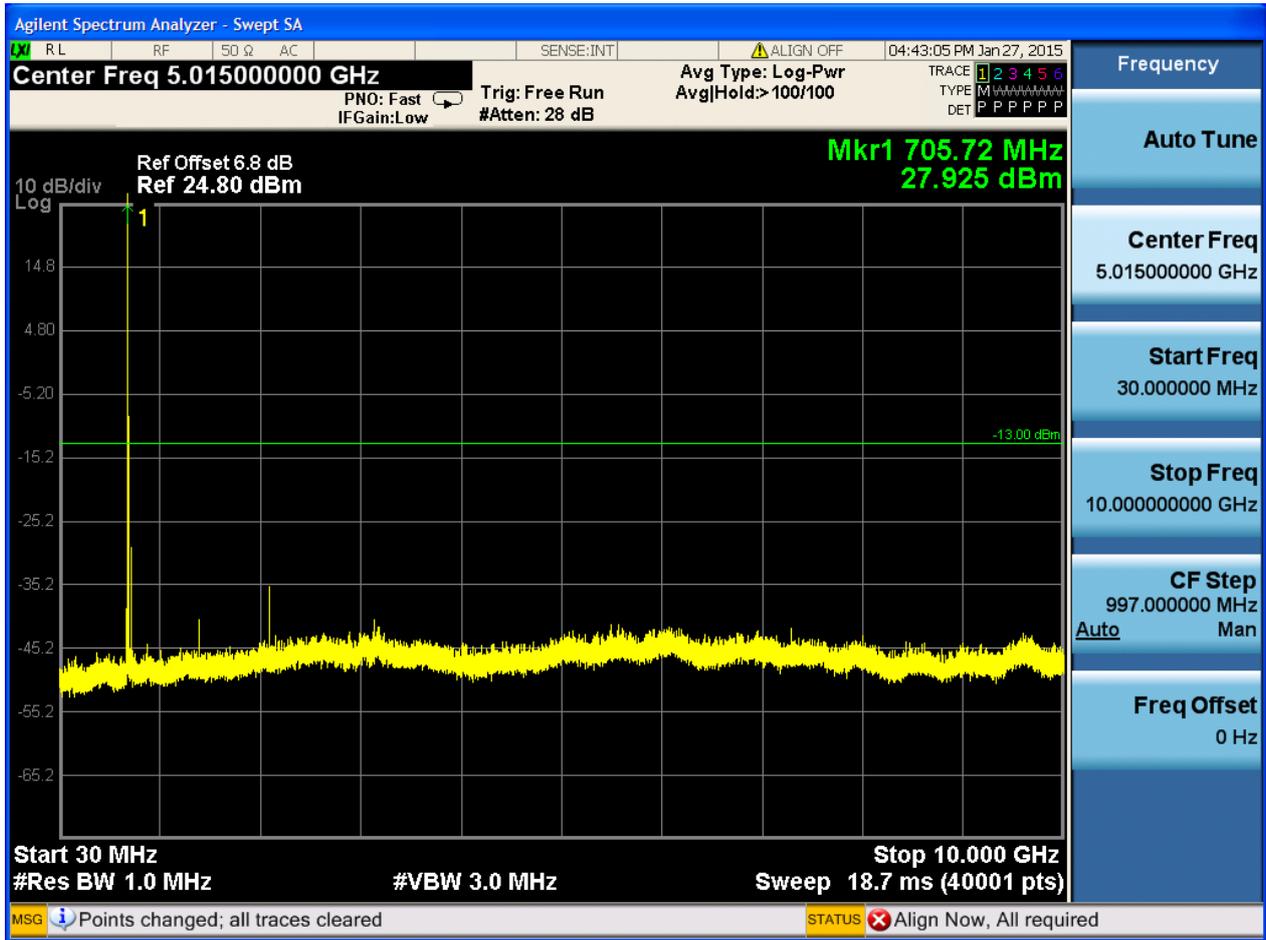


6.1.6.2.2.2 Test Channel = MCH

6.1.6.2.2.2.1 Test RB = RB1#0



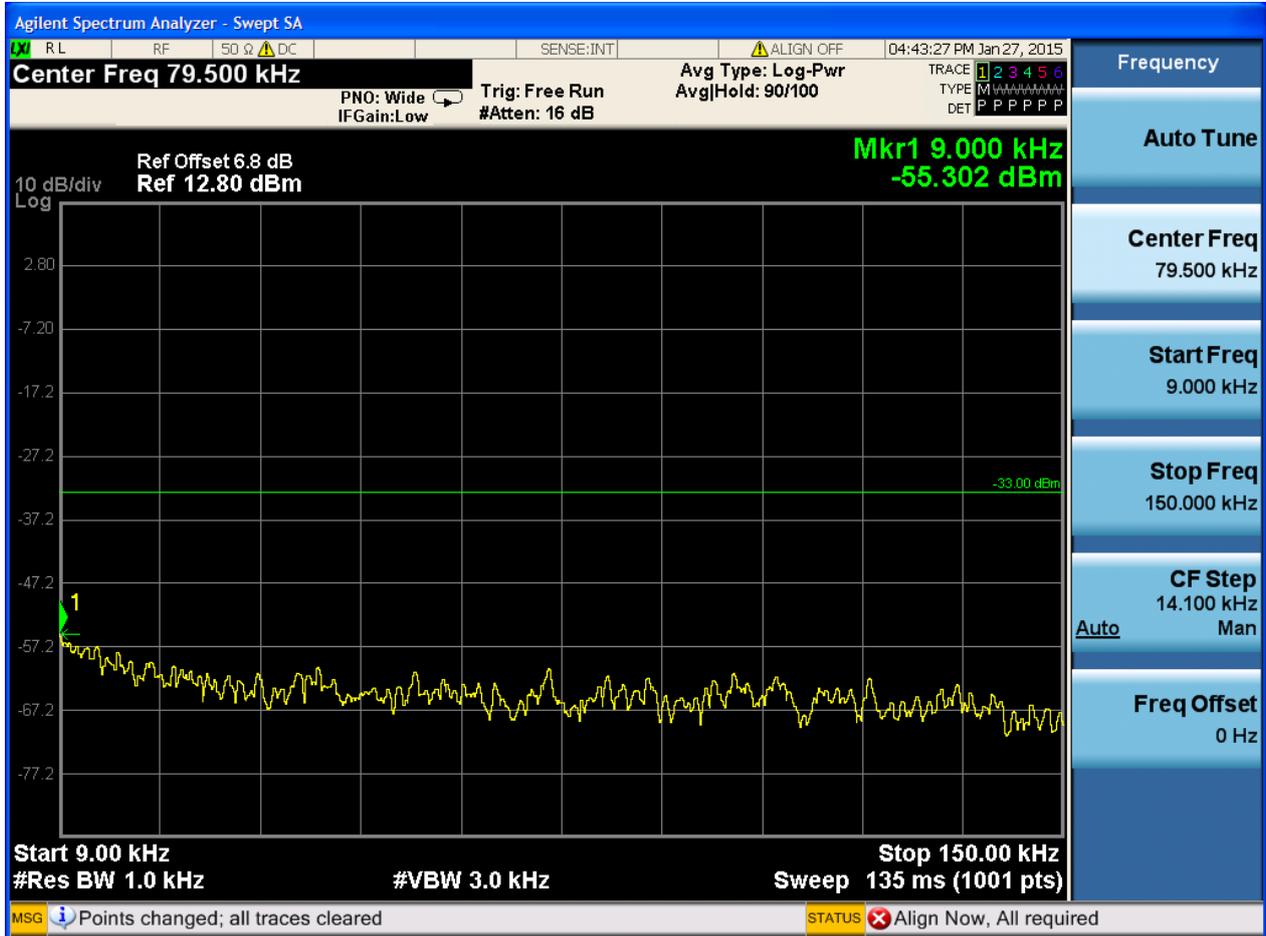


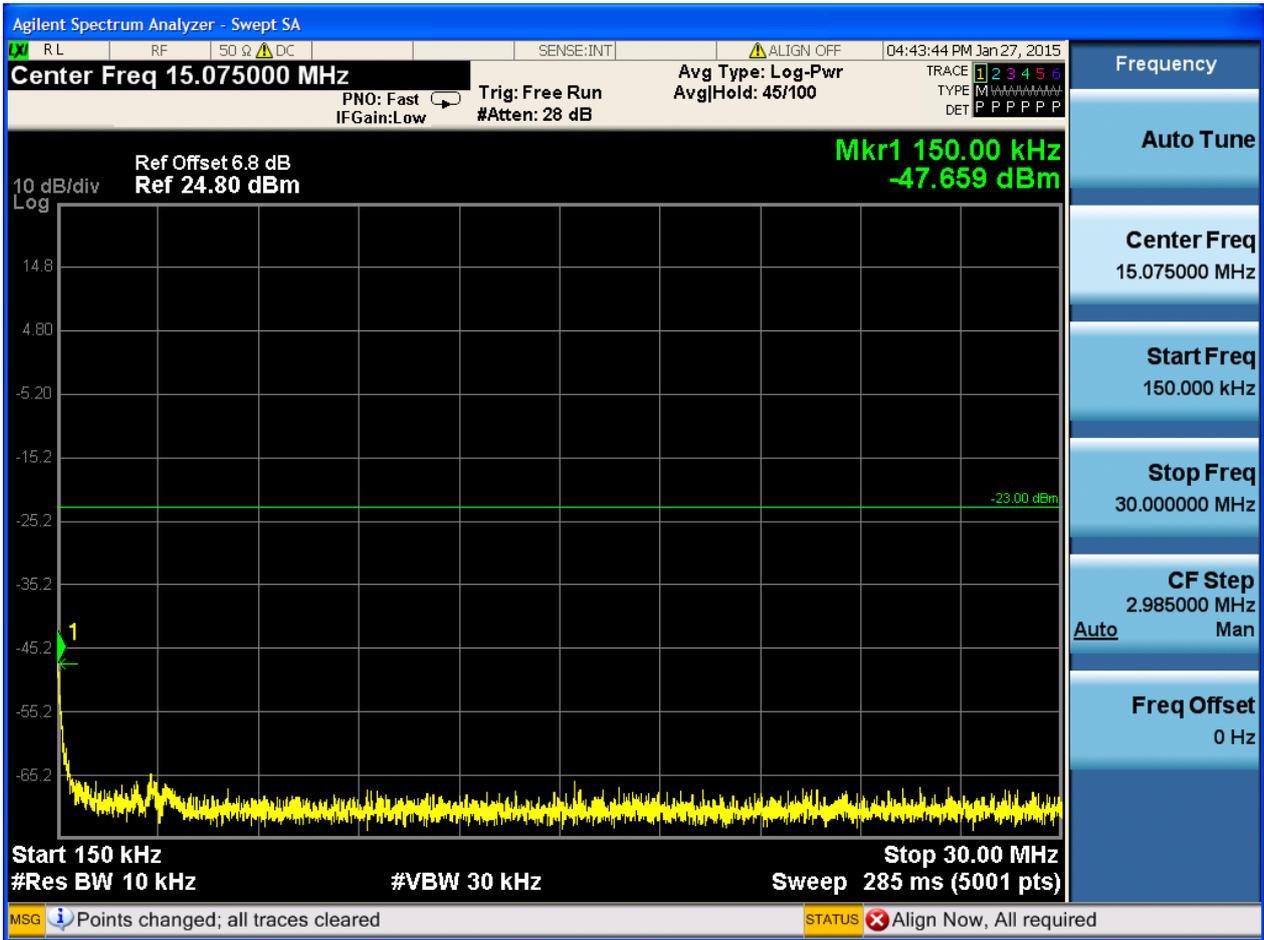


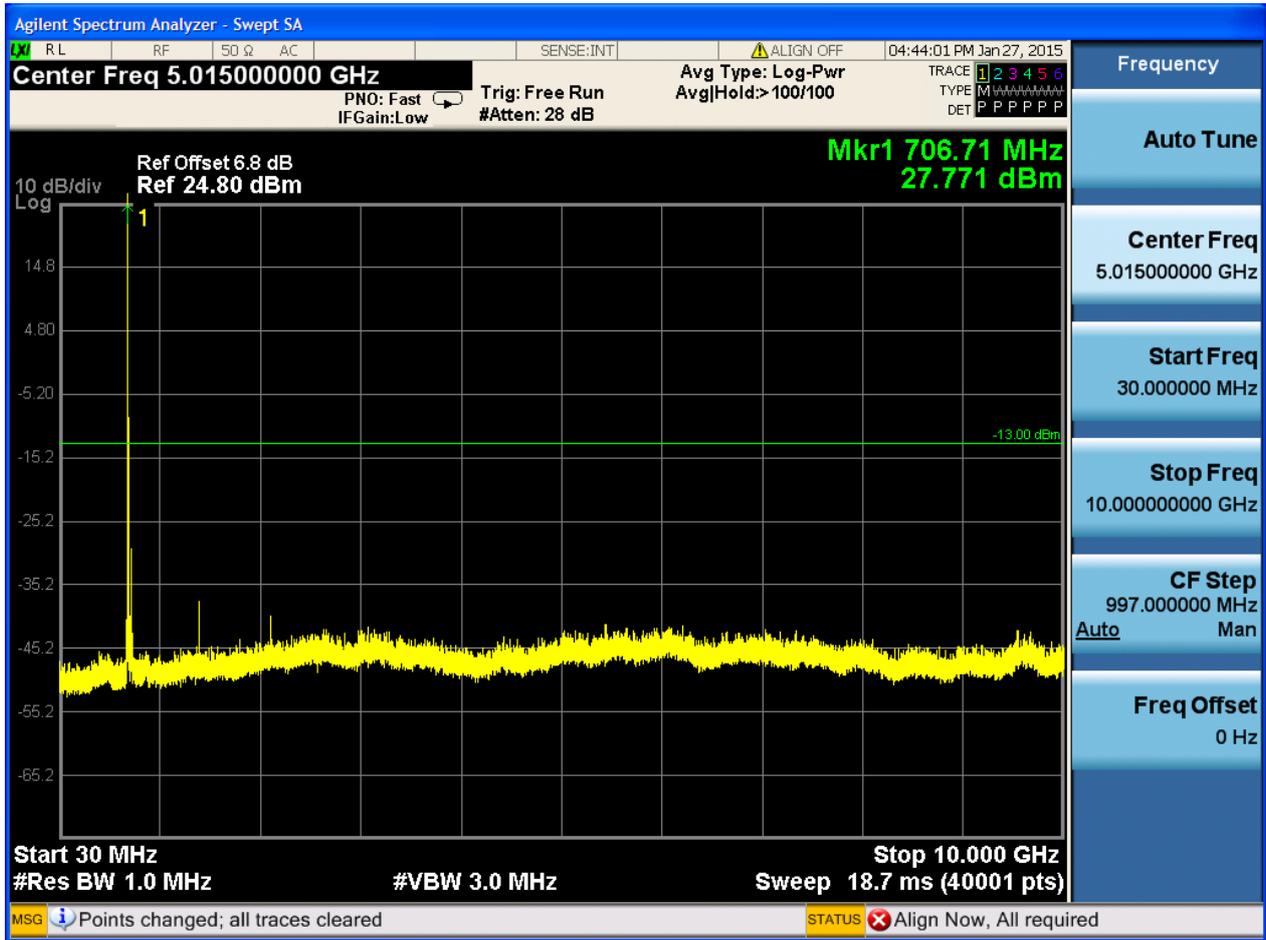


6.1.6.2.2.3 Test Channel = HCH

6.1.6.2.2.3.1 Test RB = RB1#0









## 7Appendix\_G: Field Strength of Spurious Radiation

Note:

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

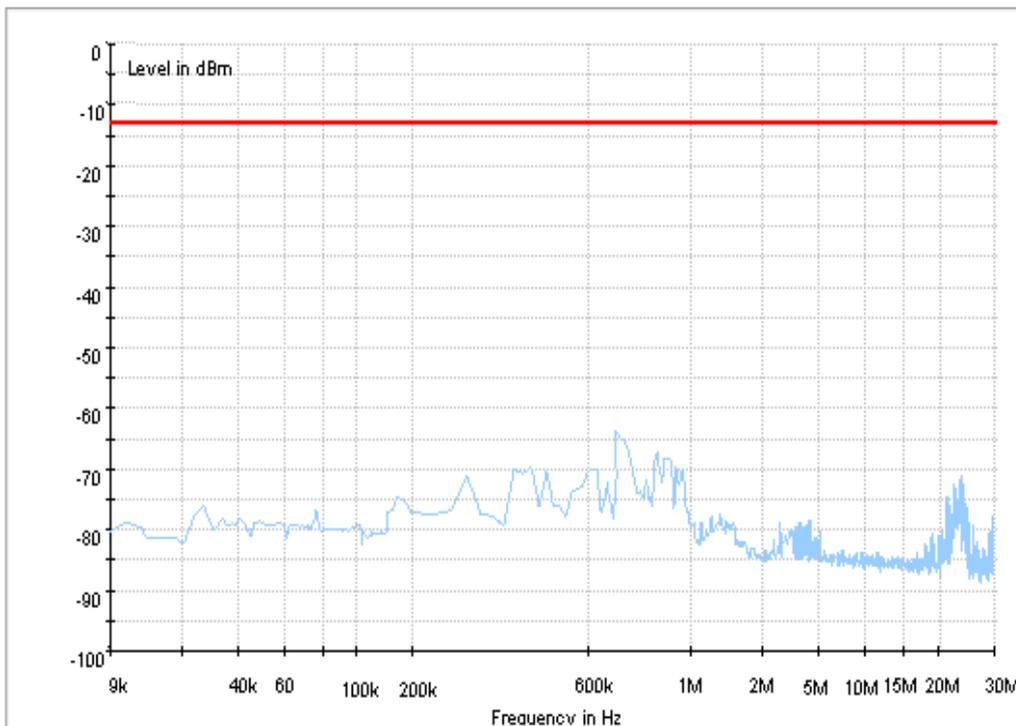
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

#### 7.1 For LTE

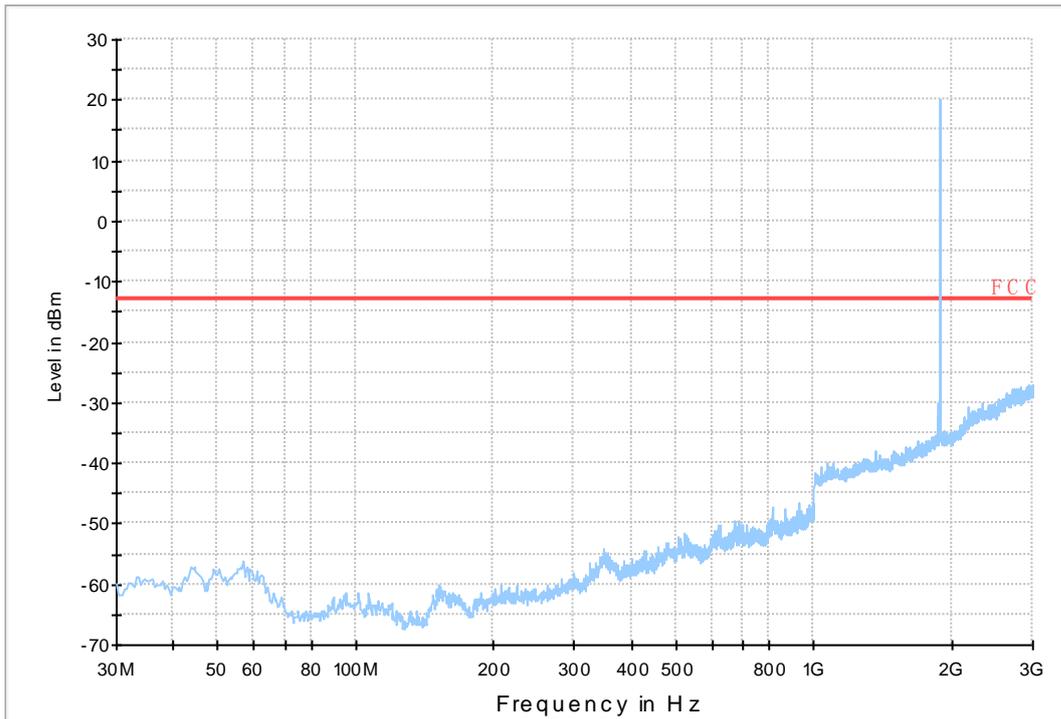
##### 7.1.1 Test Band = BAND2

##### 7.1.1.1 Test Bandwidth = 1.4

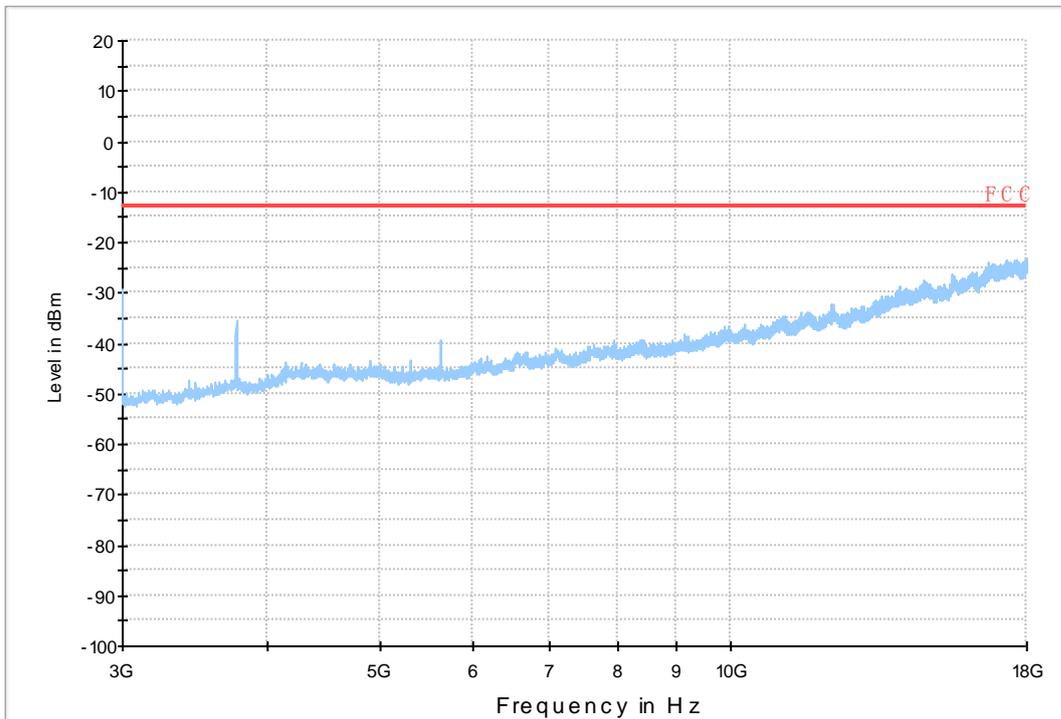


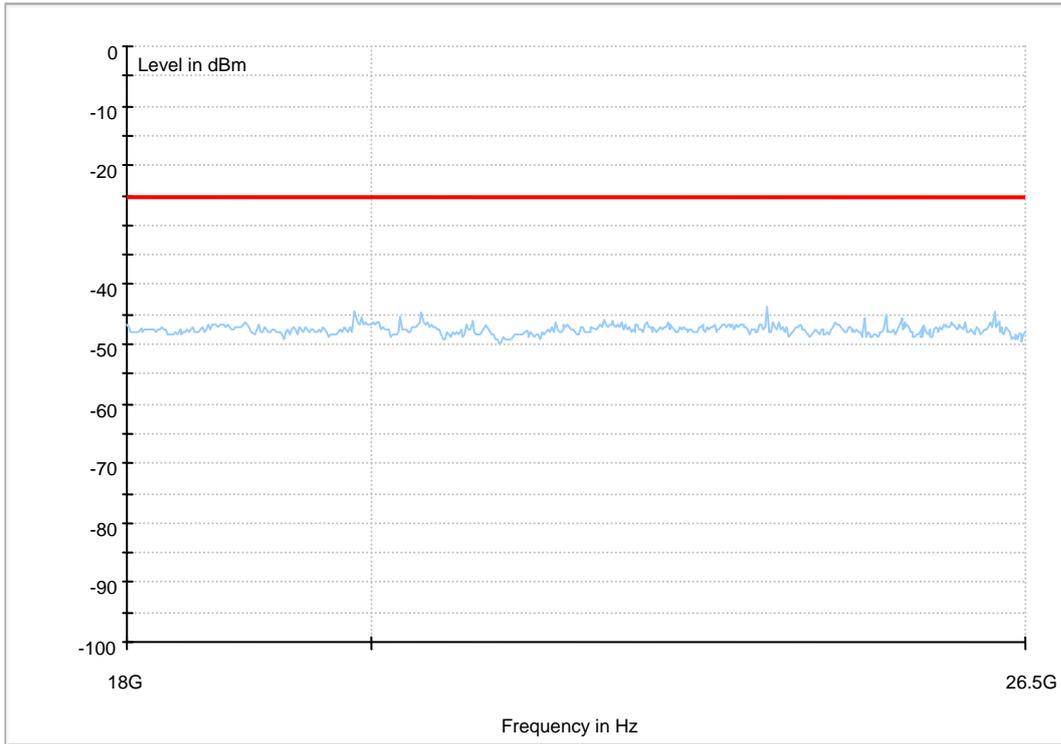


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



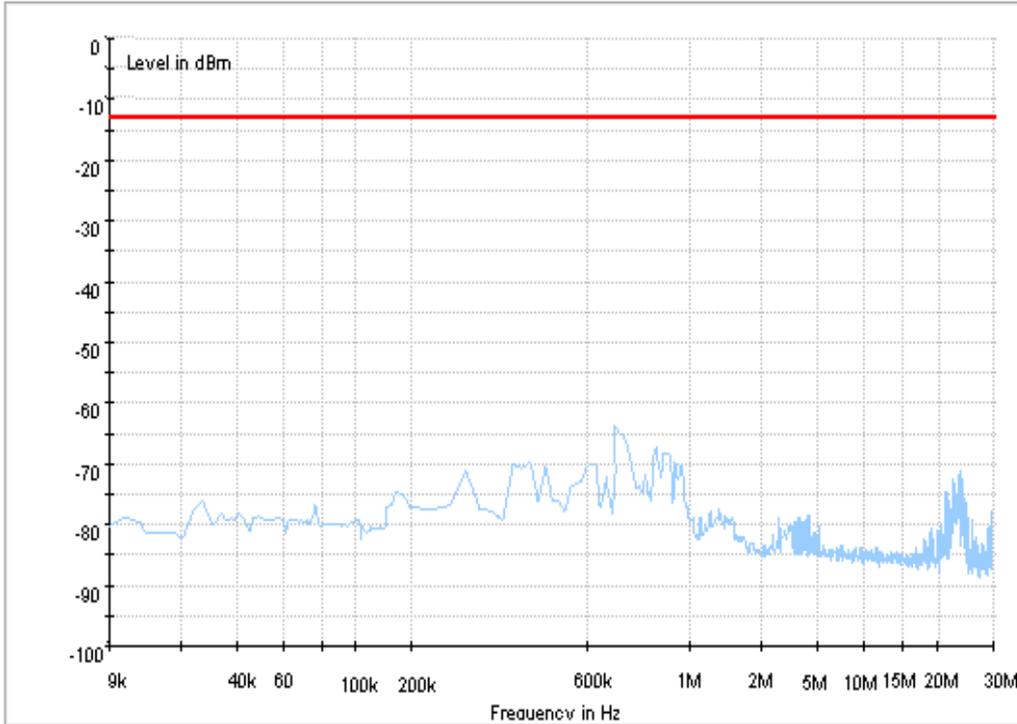
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



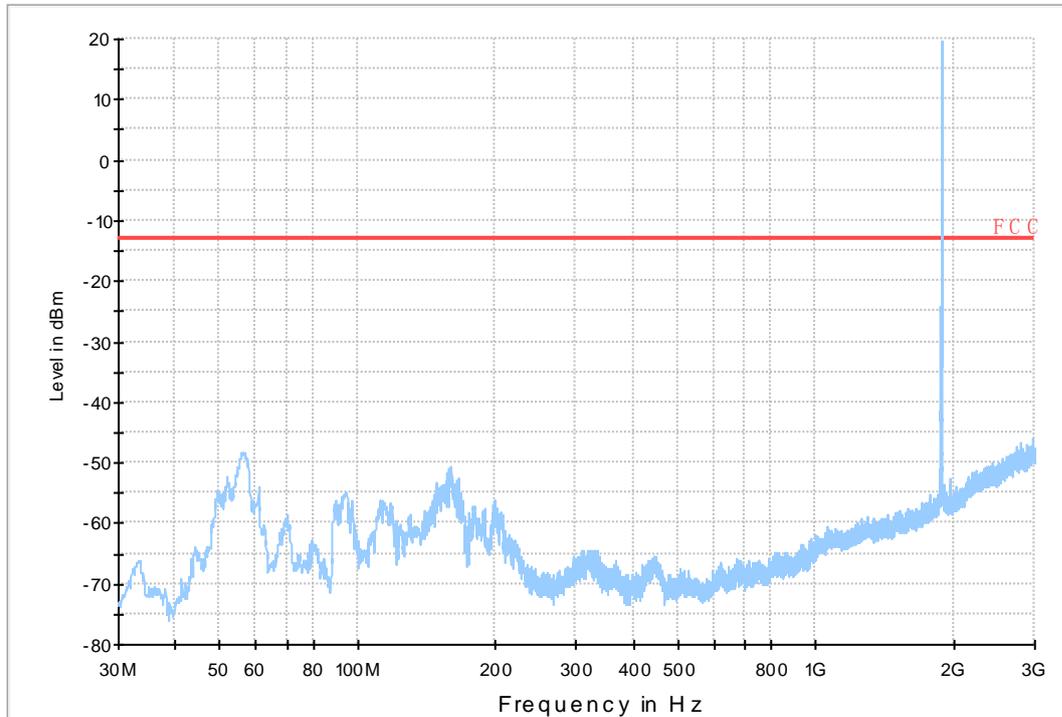




### 7.1.1.2 Test Bandwidth = 5

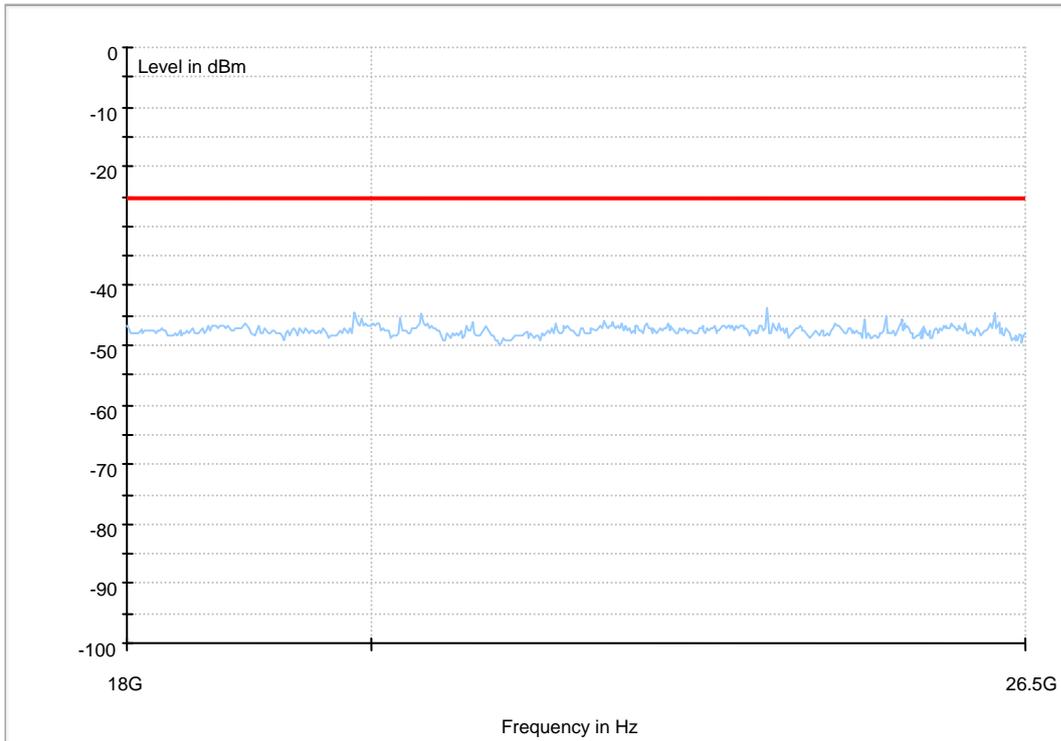
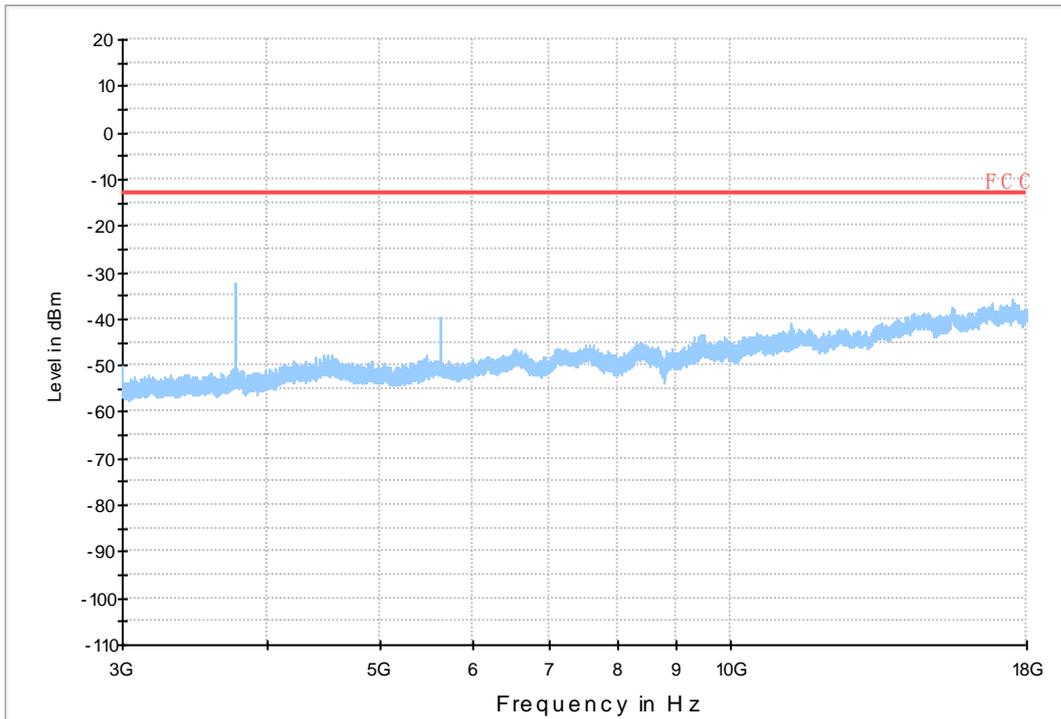


Copy of FCC PART24 LTE Band 2\_L



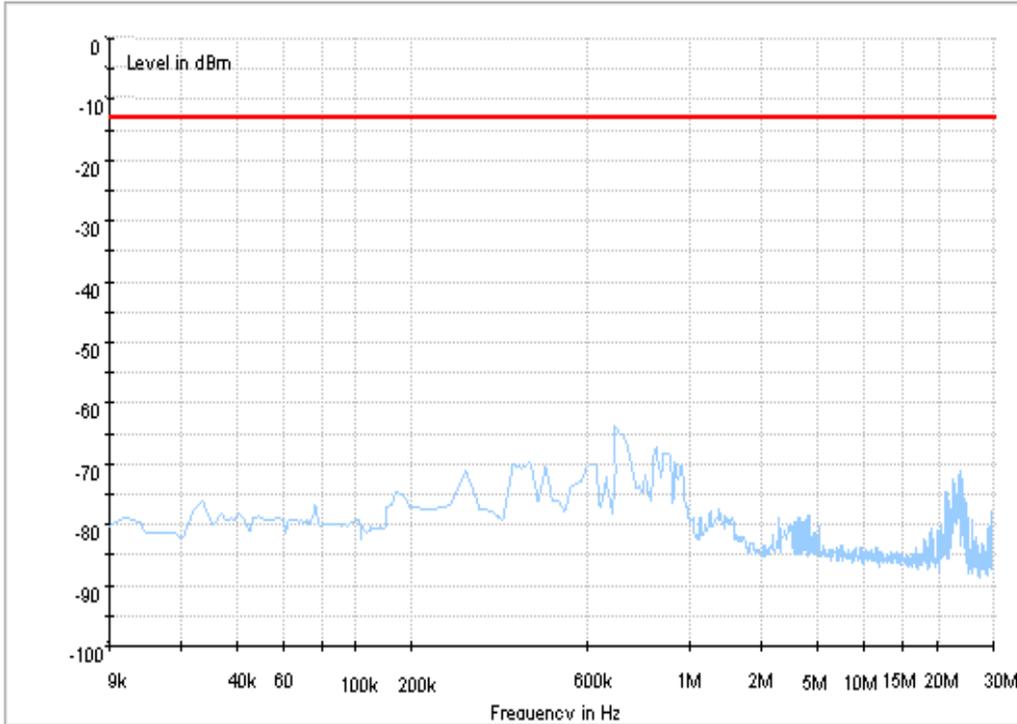


Copy of FCC PART24 LTE Band 2\_H

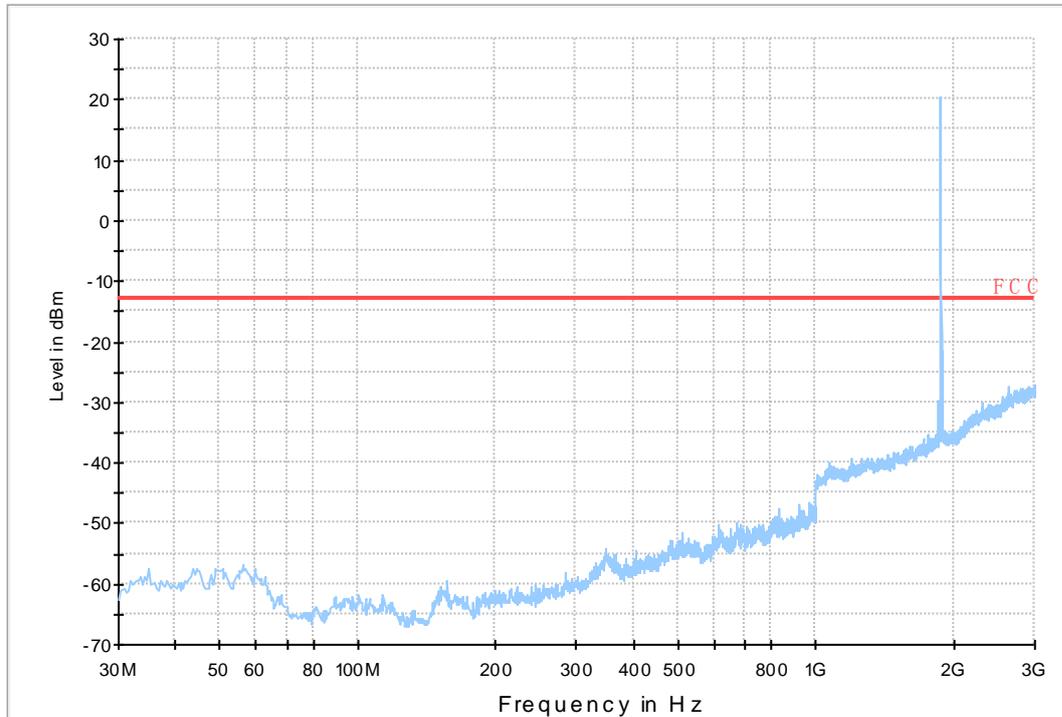




### 7.1.1.3 Test Bandwidth = 20

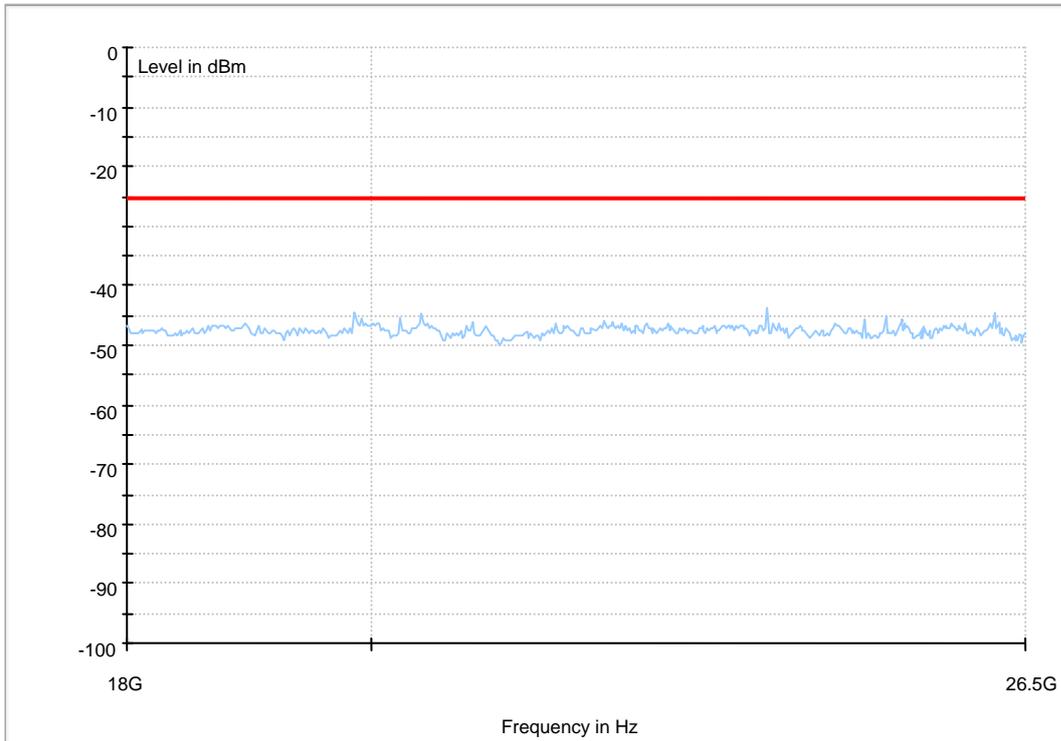
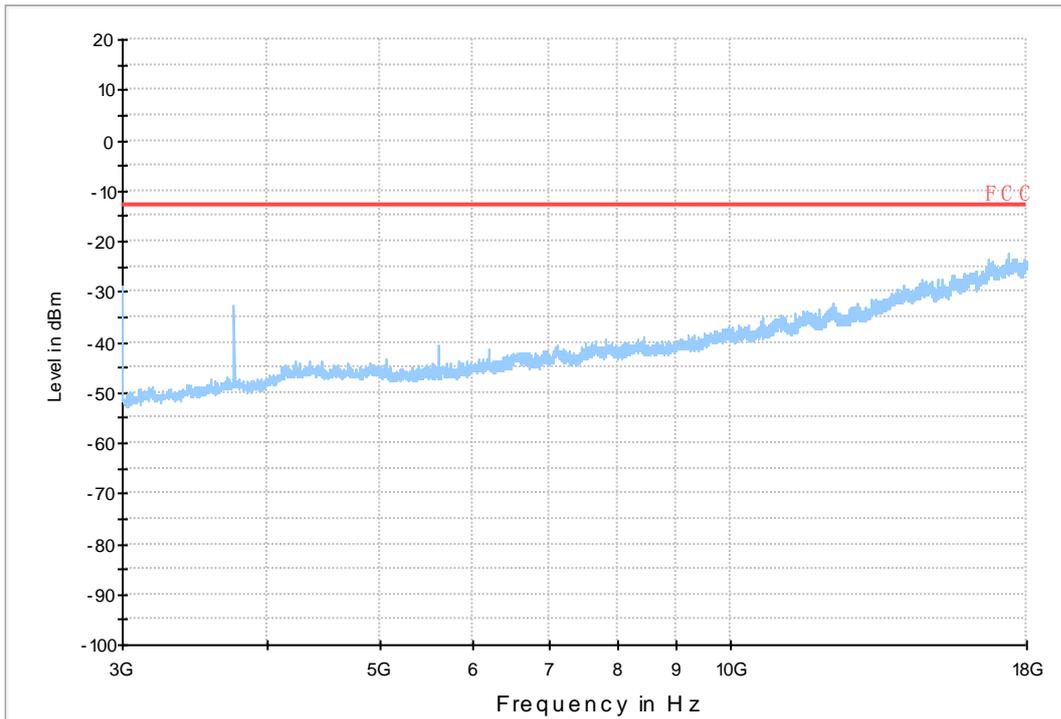


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L





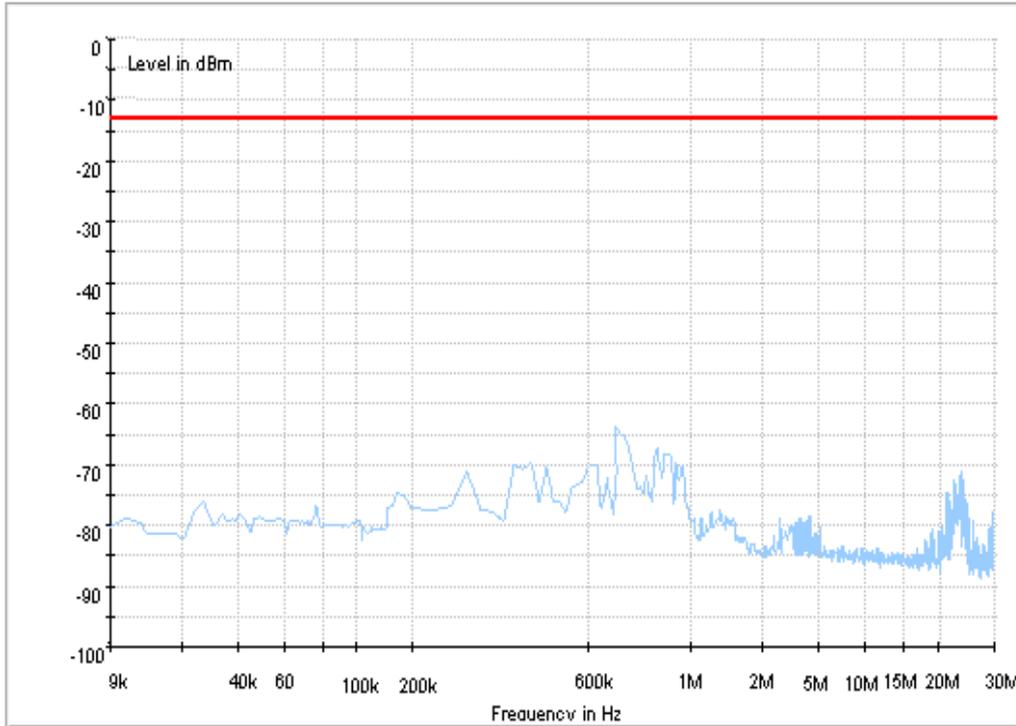
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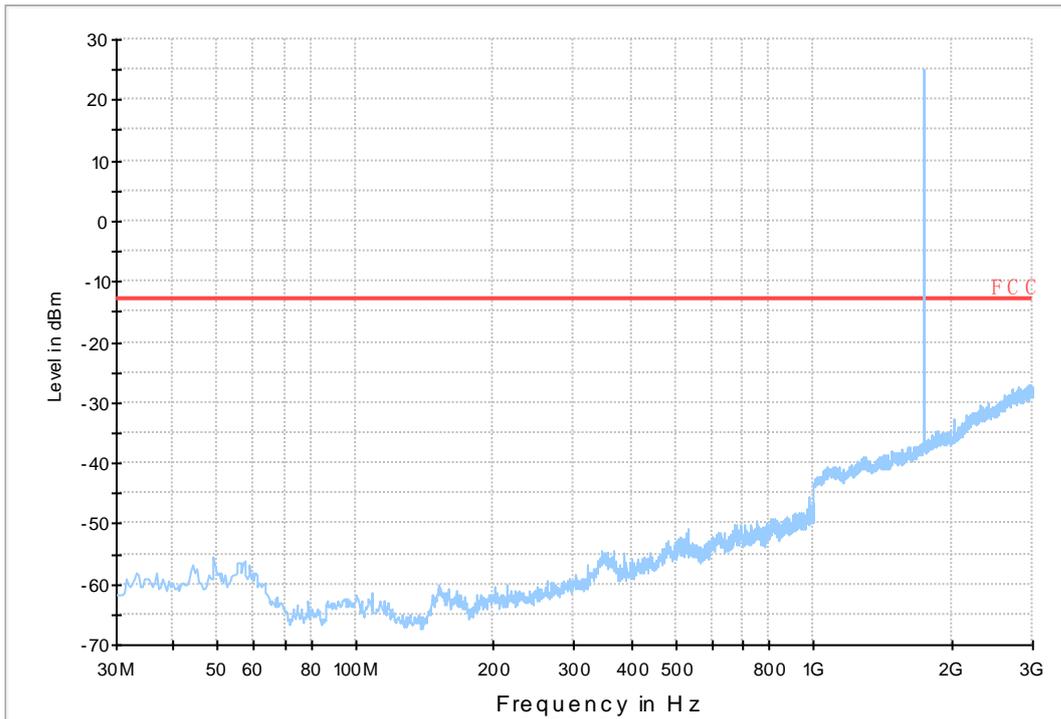
### 7.1.2 Test Band = BAND4

#### 7.1.2.1 Test Bandwidth = 1.4

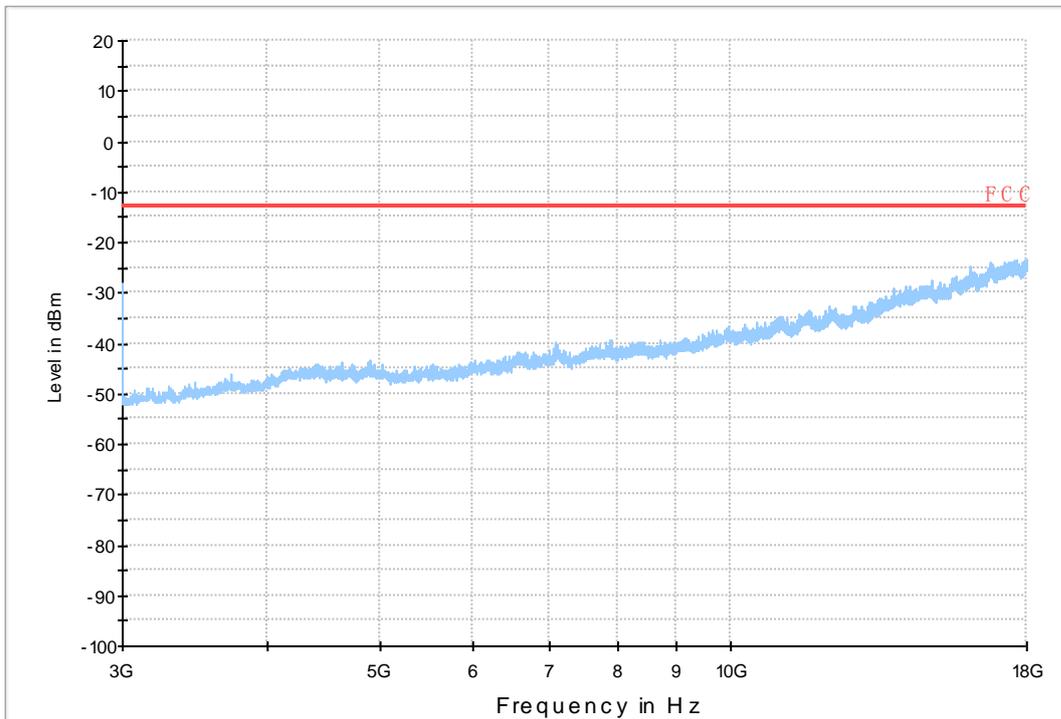


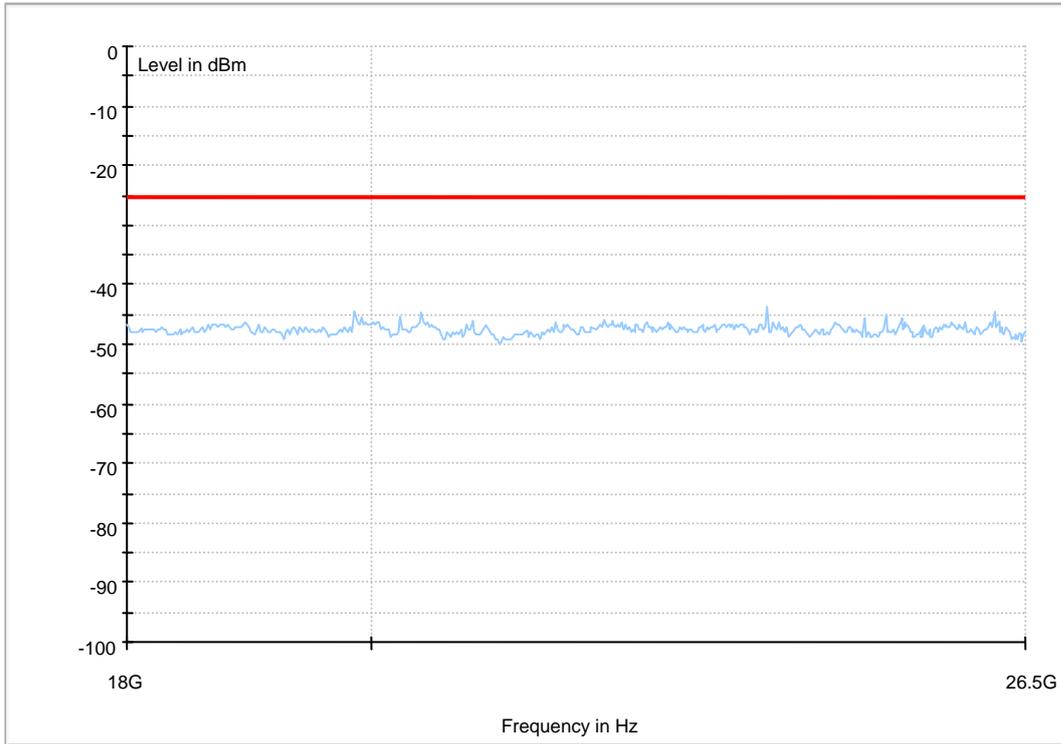


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



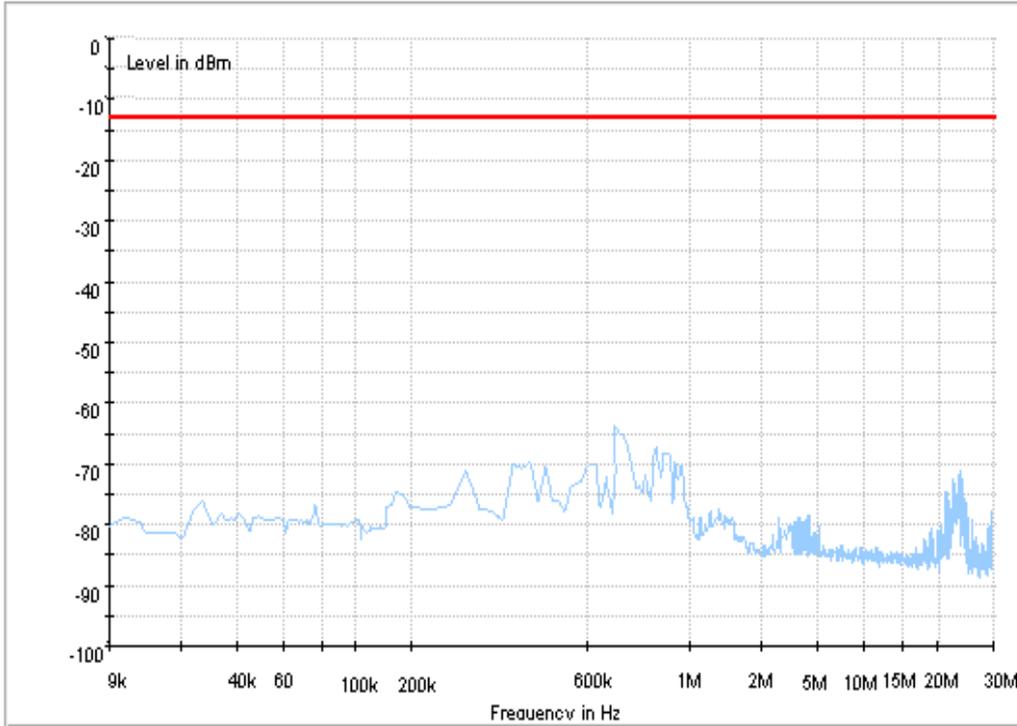
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



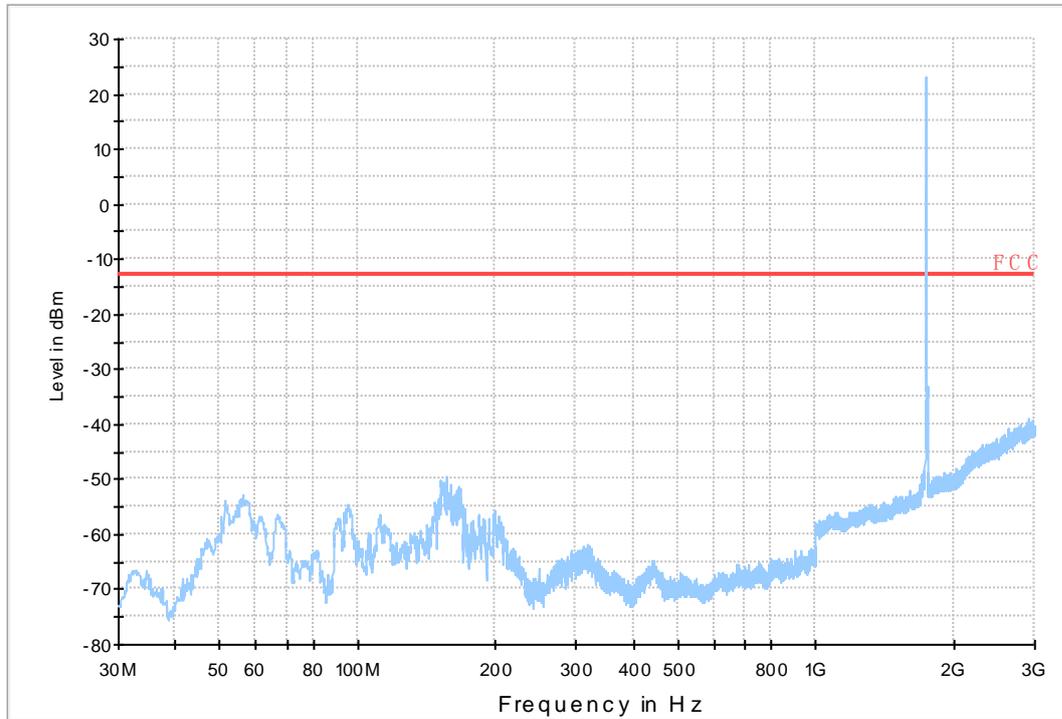




### 7.1.2.2 Test Bandwidth = 5

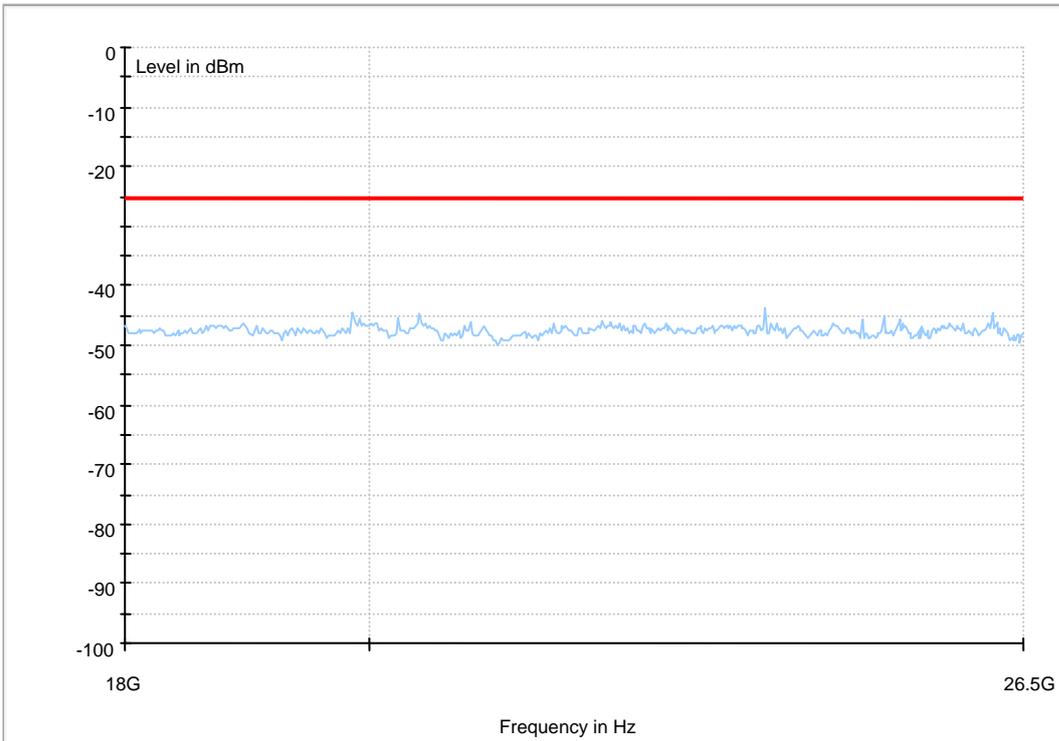
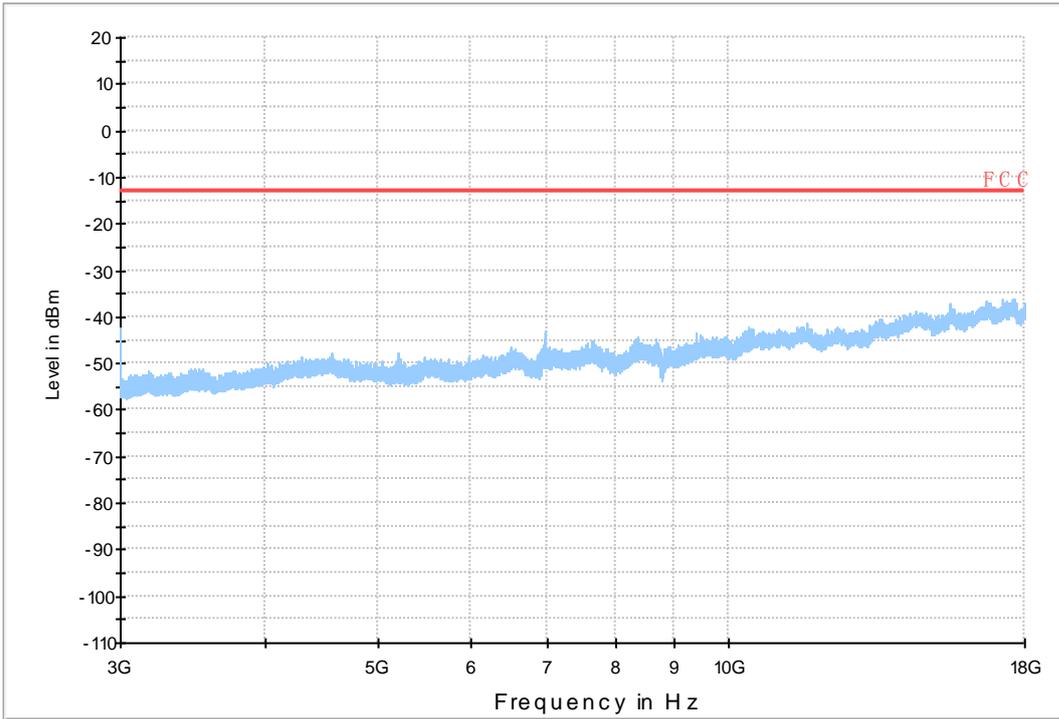


Copy of FCC PART27 LTE Band 4\_L



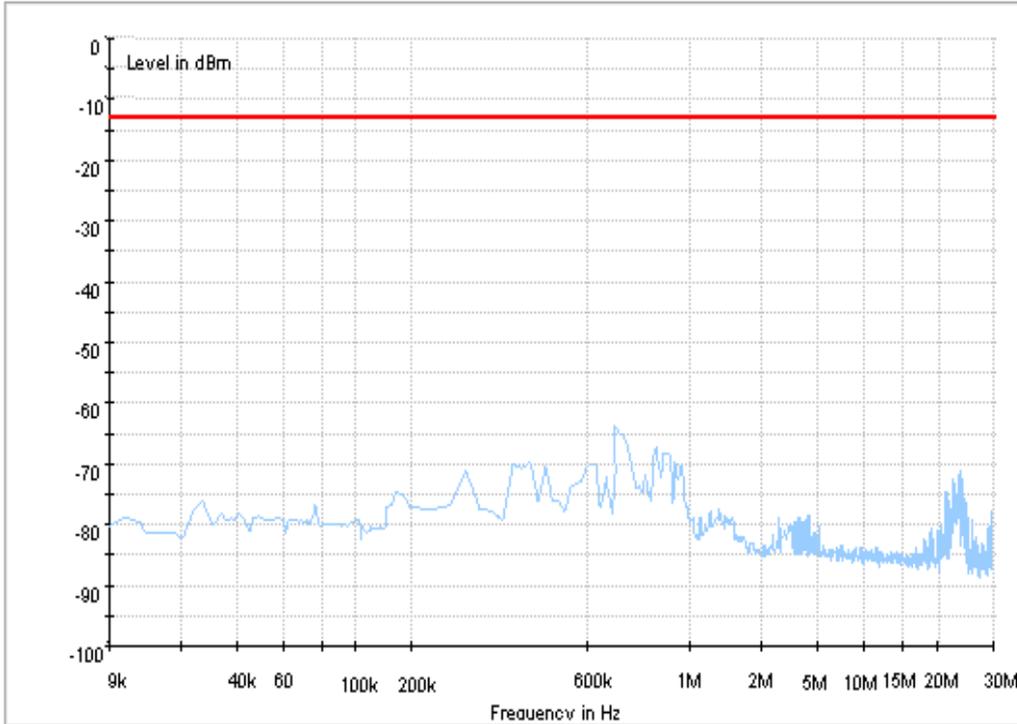


Copy of FCC PART27 LTE Band 4\_H

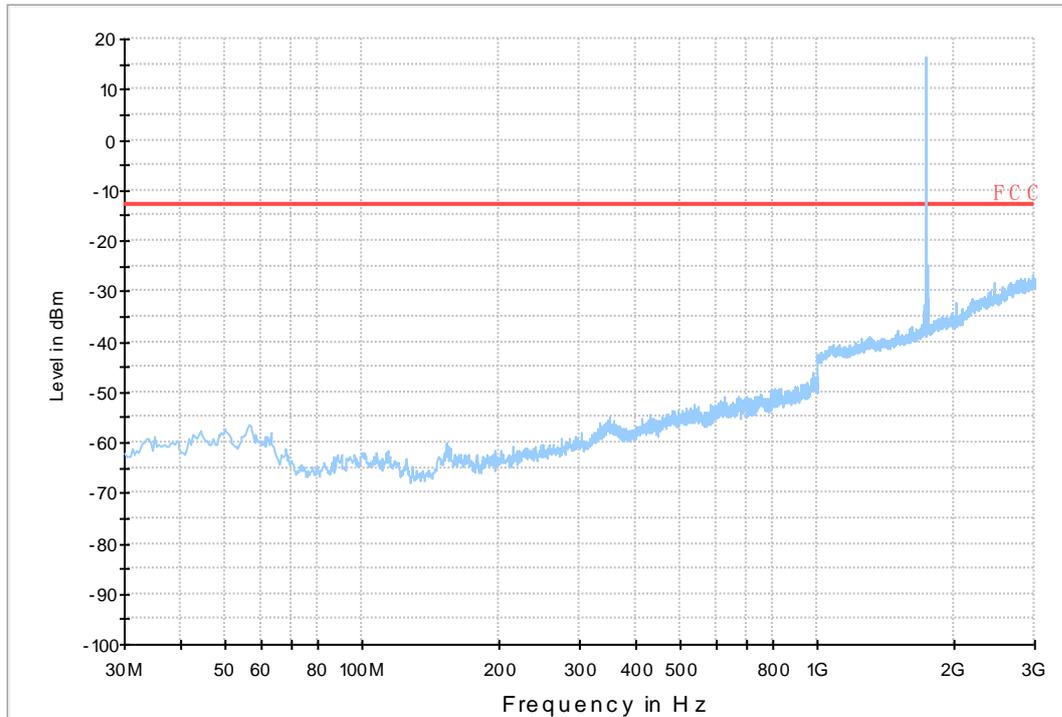




### 7.1.2.3 Test Bandwidth = 20

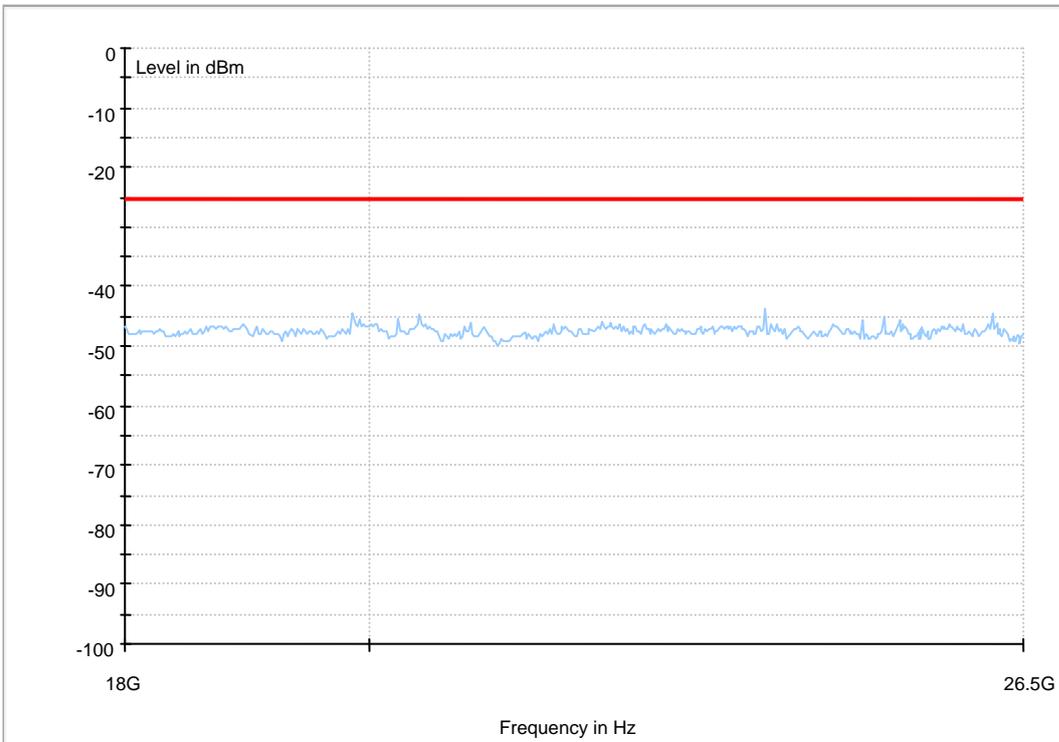
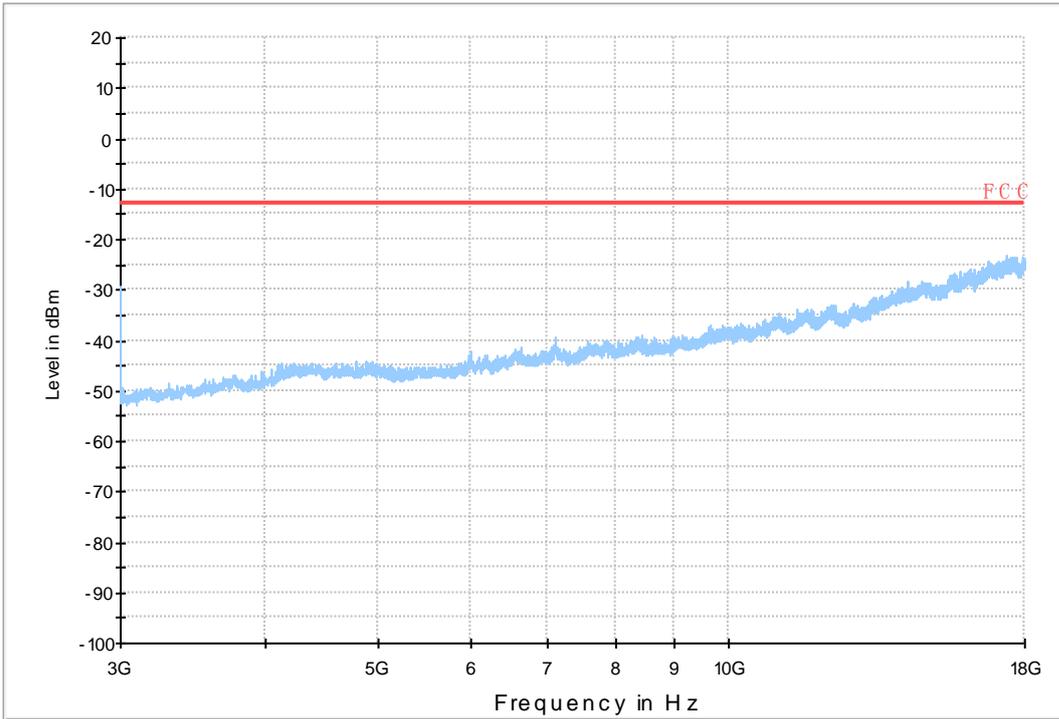


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L





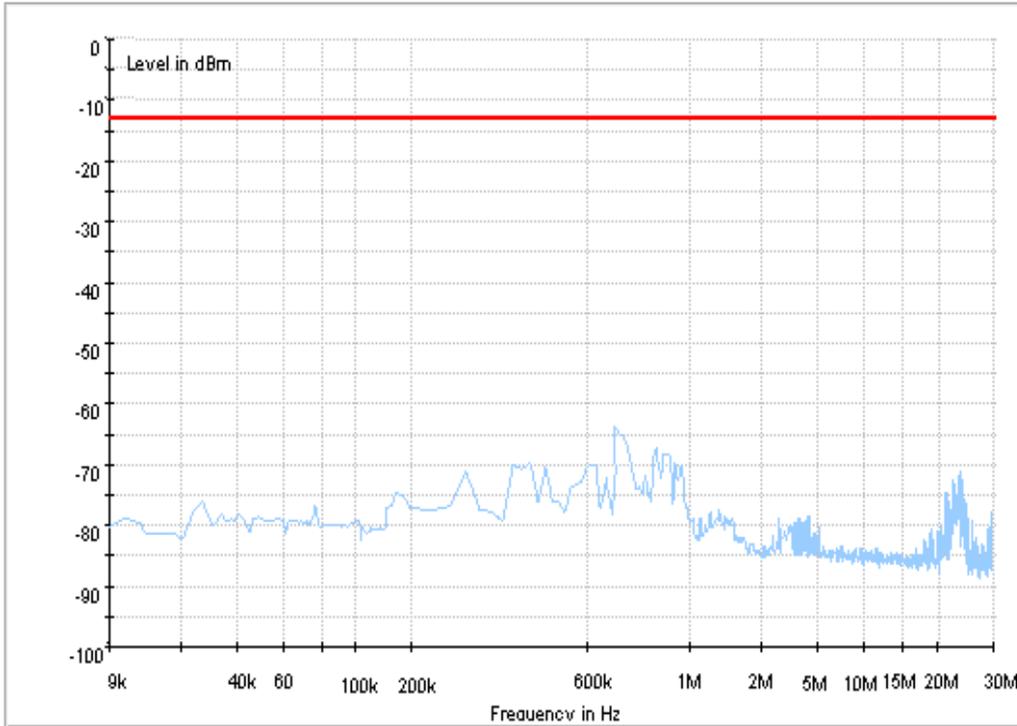
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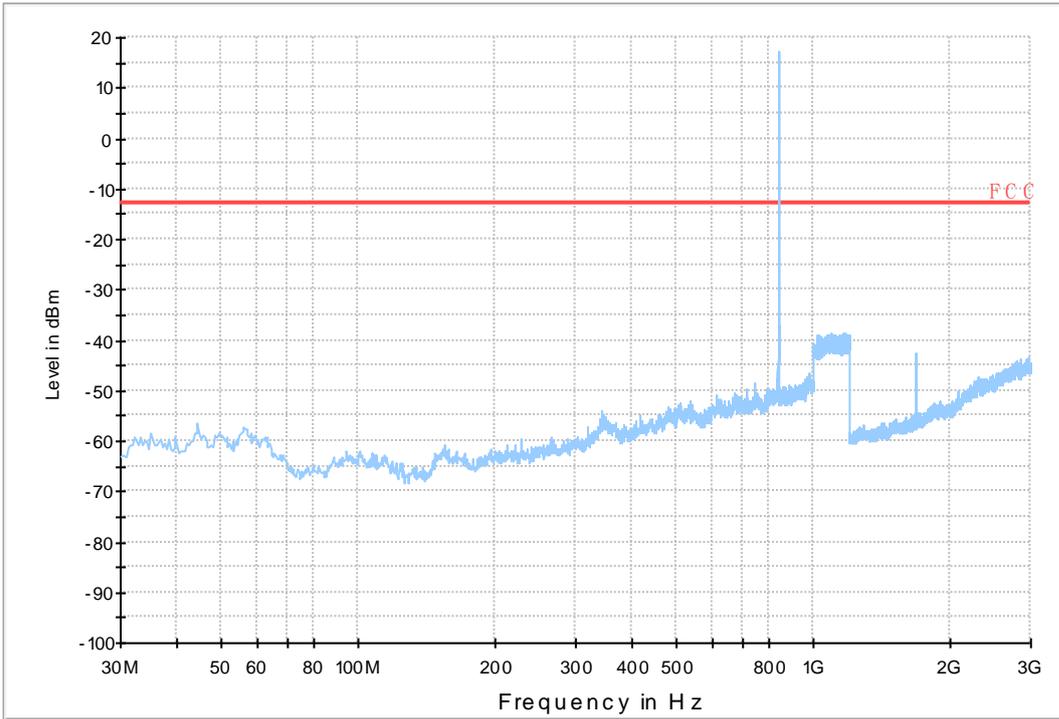
### 7.1.3 Test Band = BAND5

#### 7.1.3.1 Test Bandwidth = 1.4

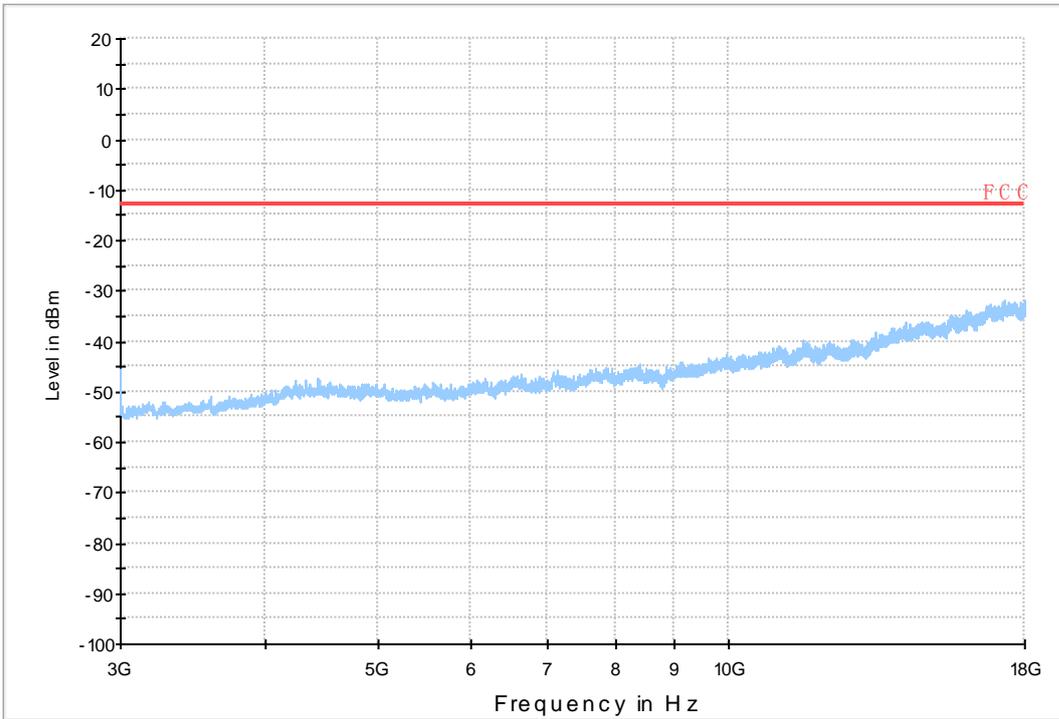




Copy of RSE-TX-DIRECTOR BELOW 1G\_L

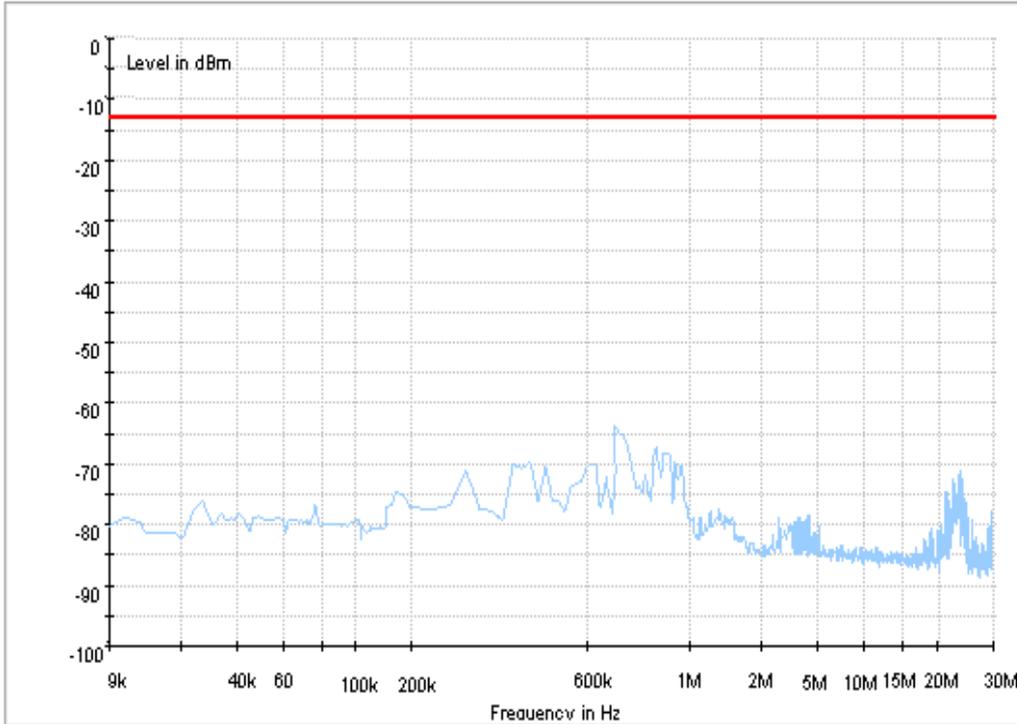


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

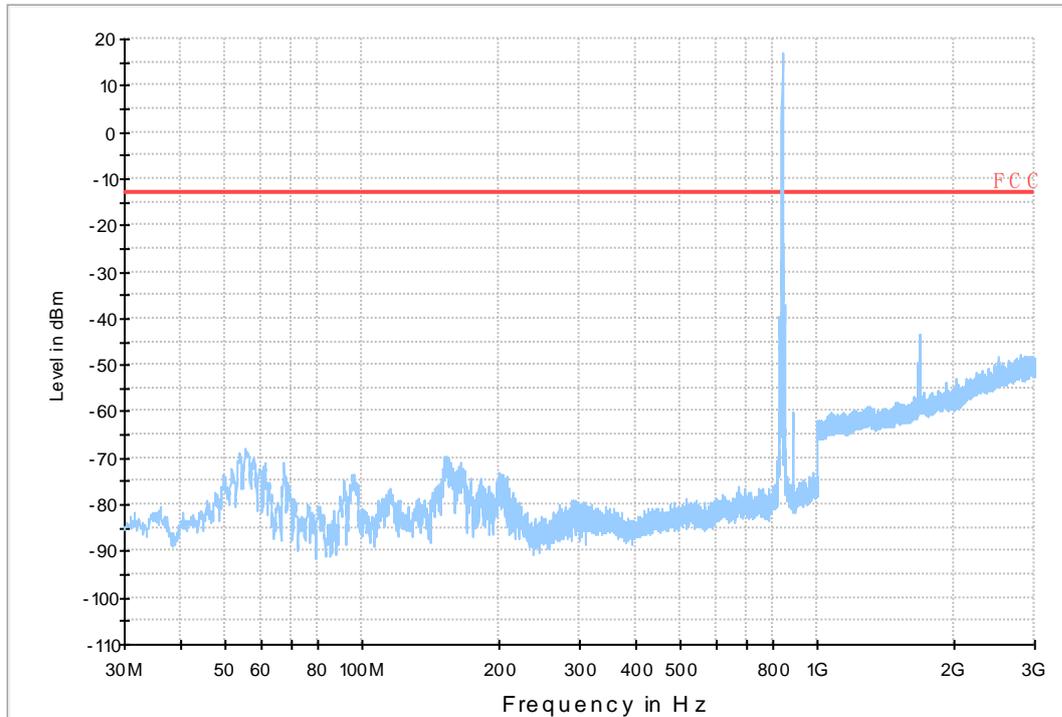




### 7.1.3.2 Test Bandwidth = 5

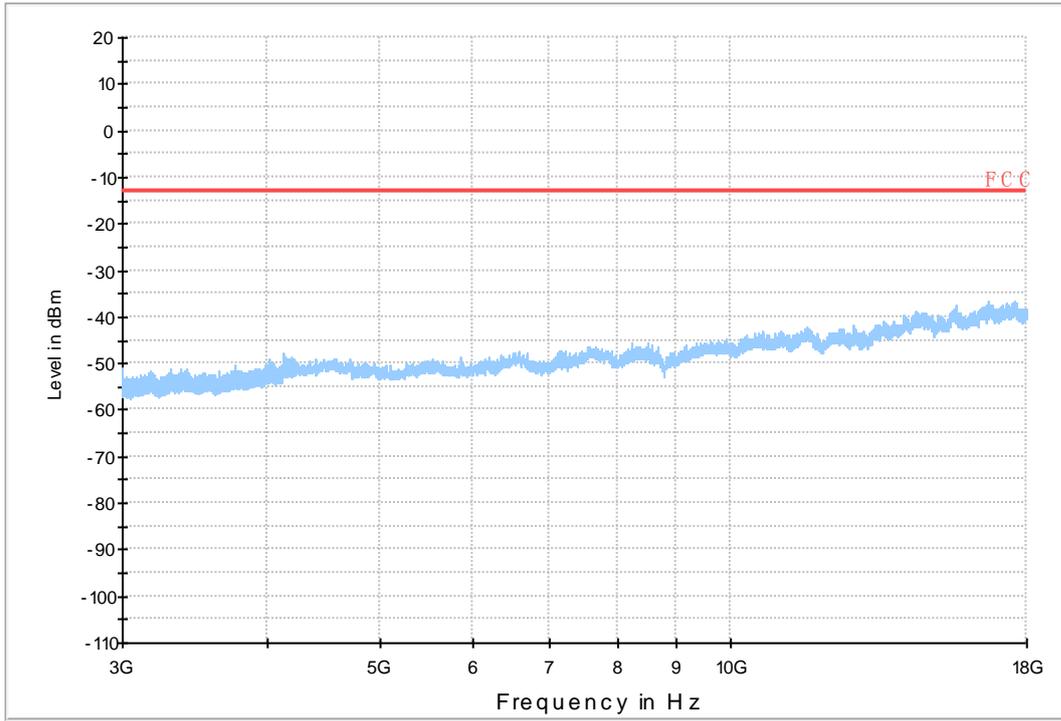


Copy of FCC PART22 LTE Band 5\_L



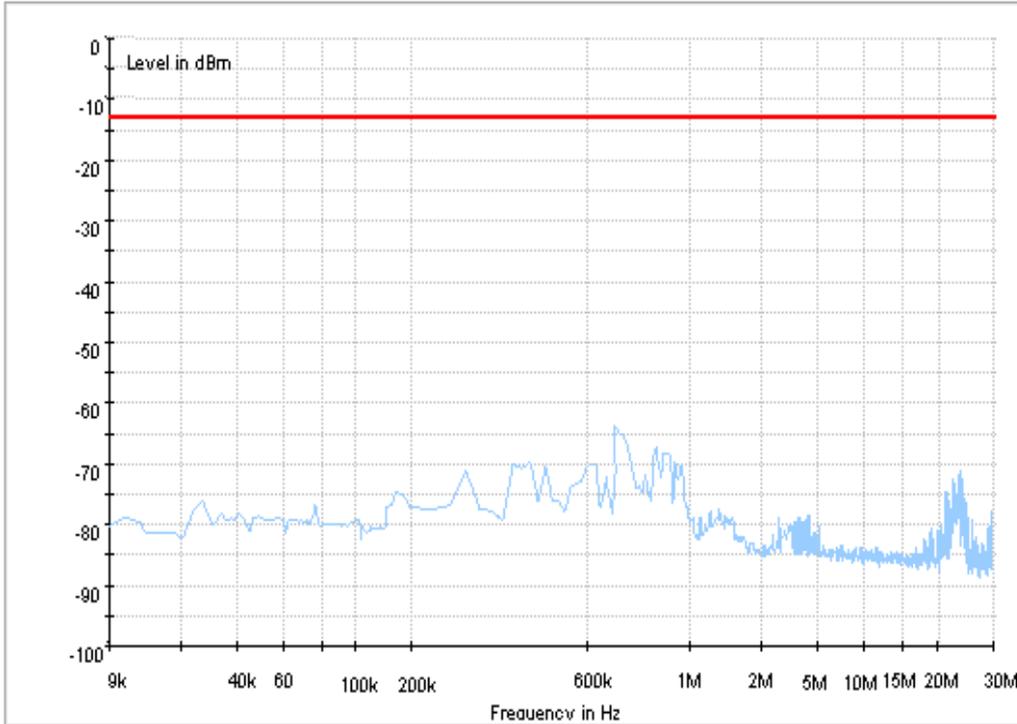


Copy of FCC PART22 LTE Band 5\_H

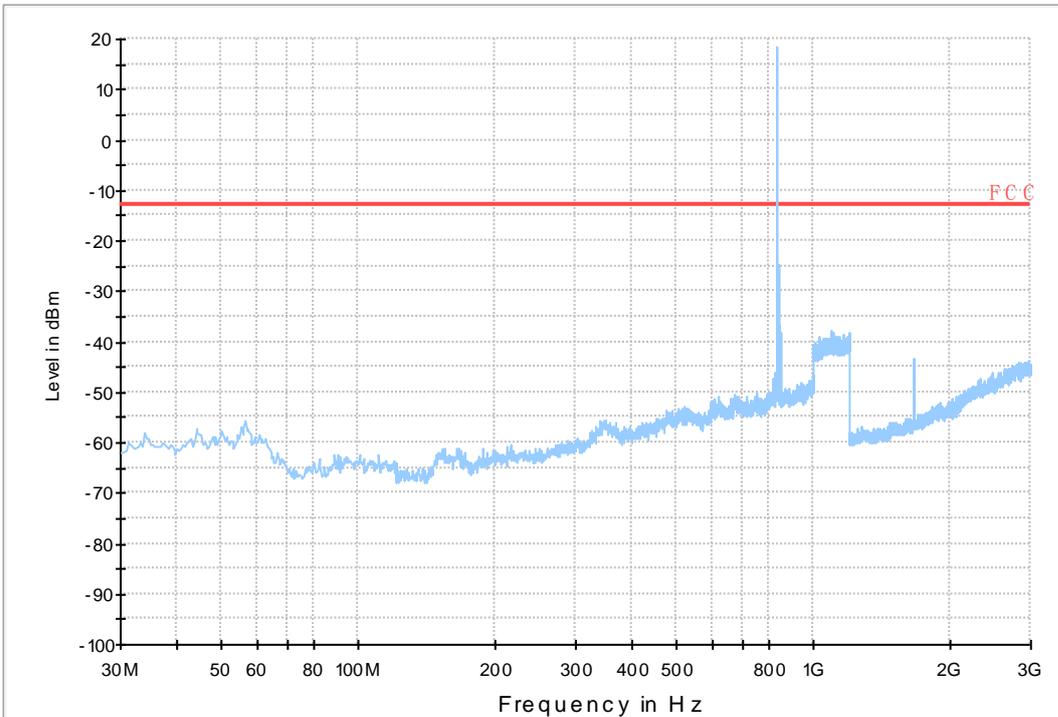




### 7.1.3.3 Test Bandwidth = 10

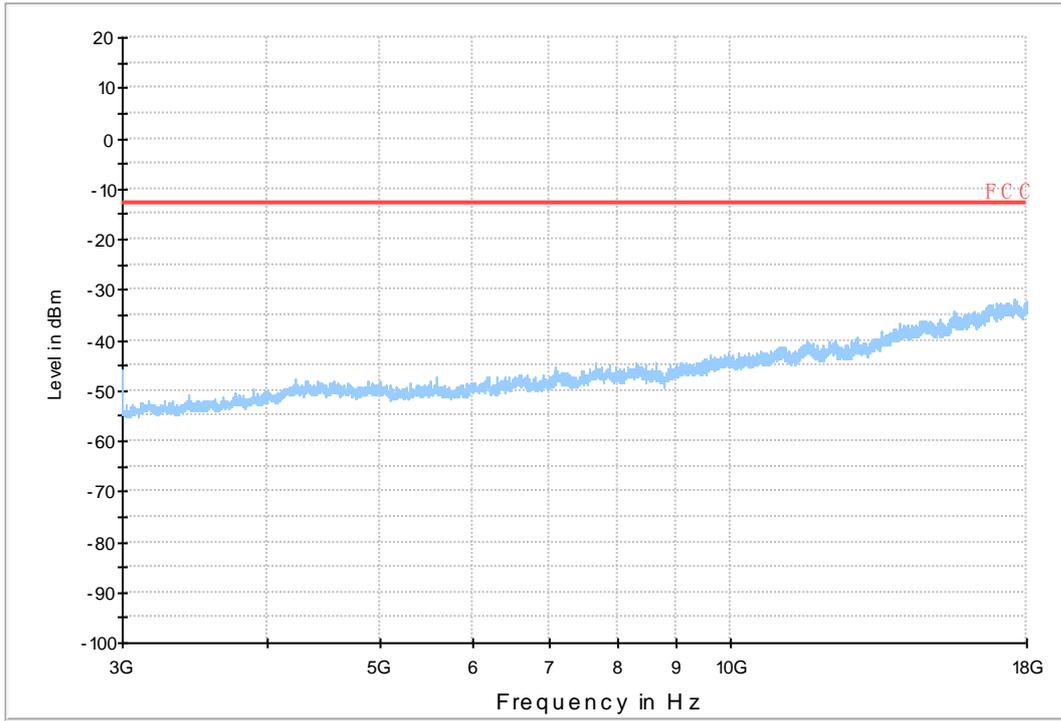


Copy of RSE-TX-DIRECTOR BELOW 1G\_L





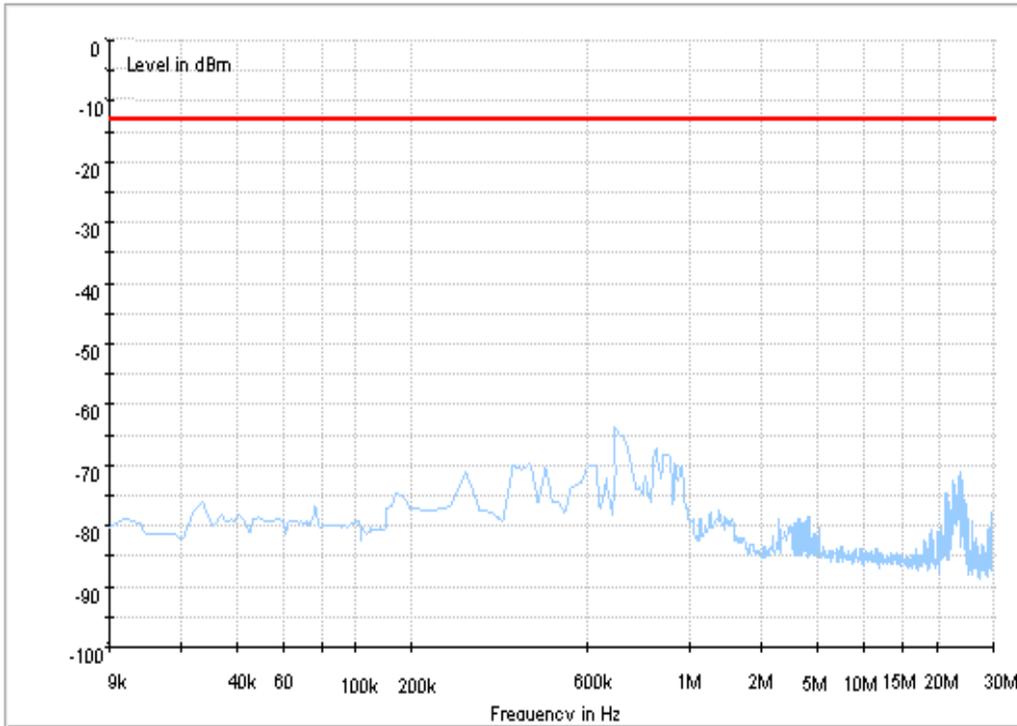
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



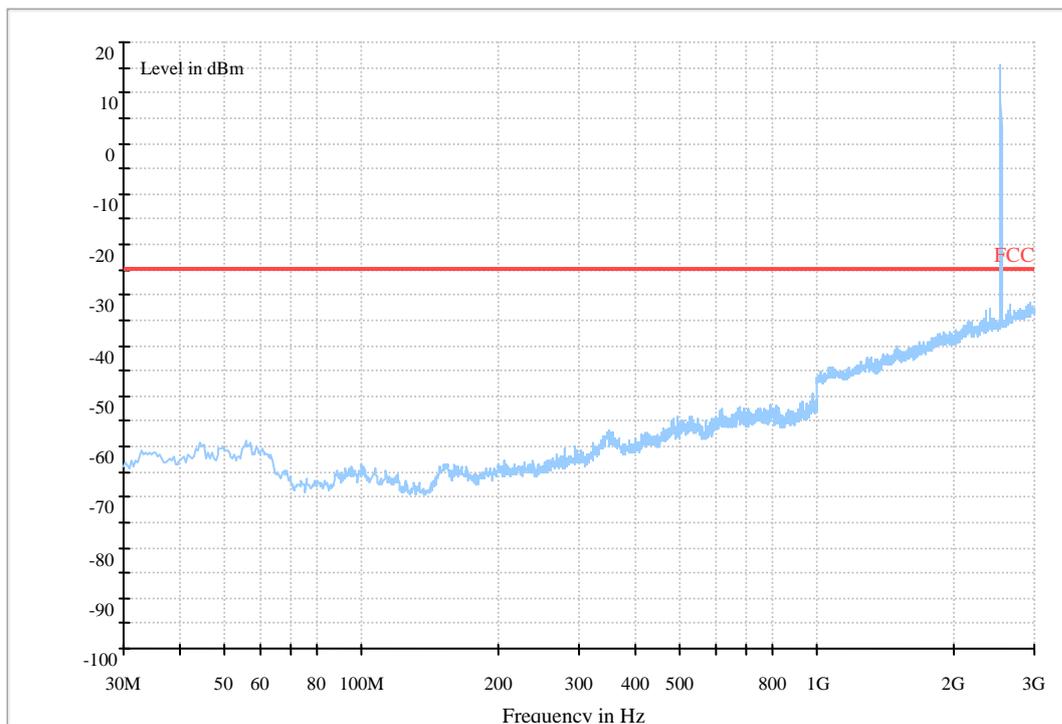


### 7.1.3 Test Band = BAND7

#### 7.1.3.1 Test Bandwidth = 5

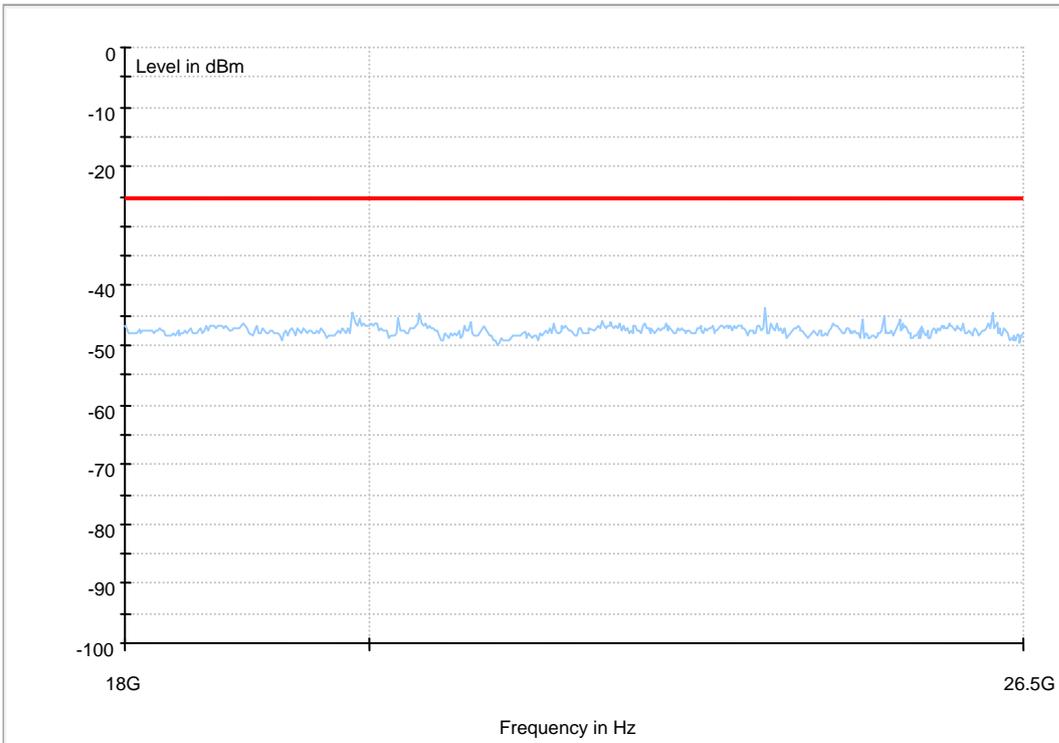
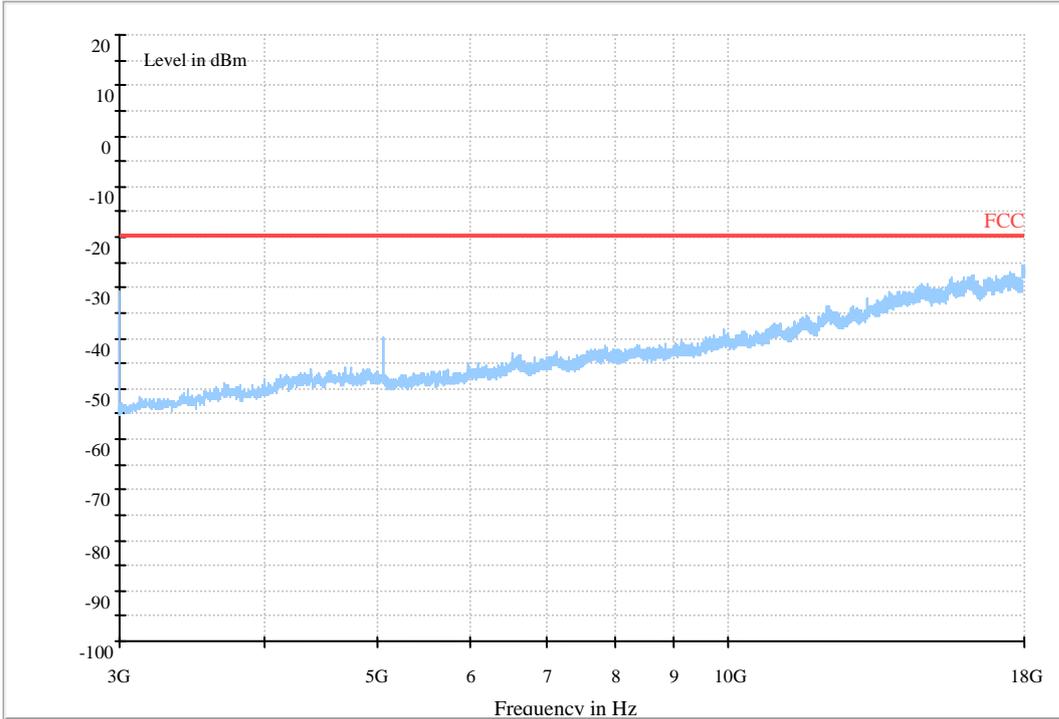


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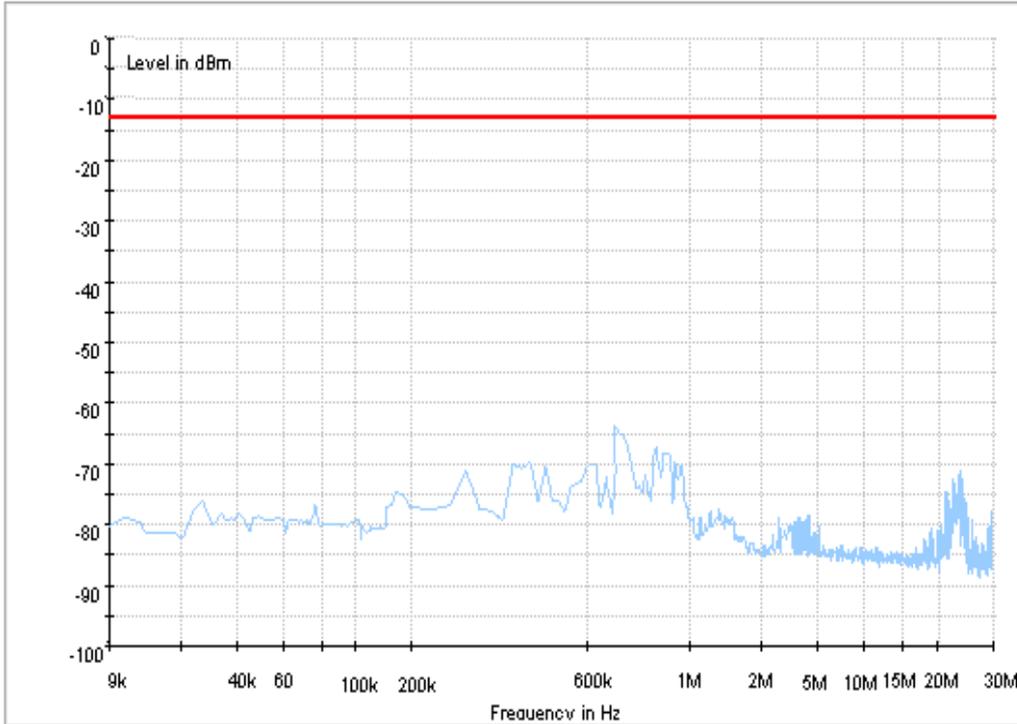


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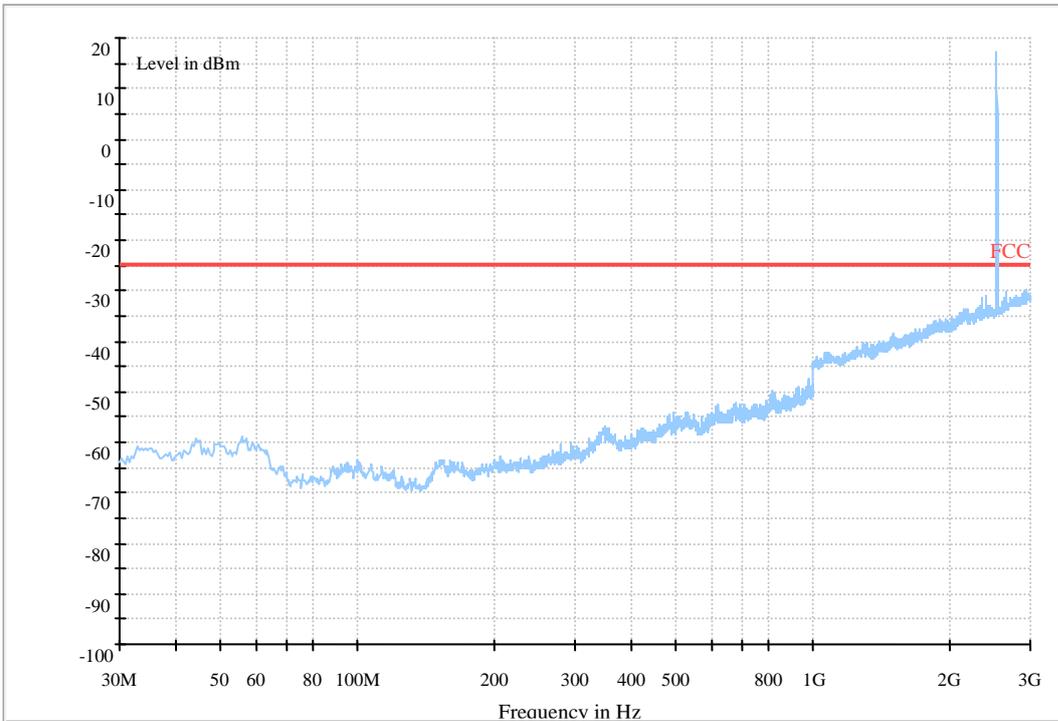




### 7.1.3.2 Test Bandwidth = 20

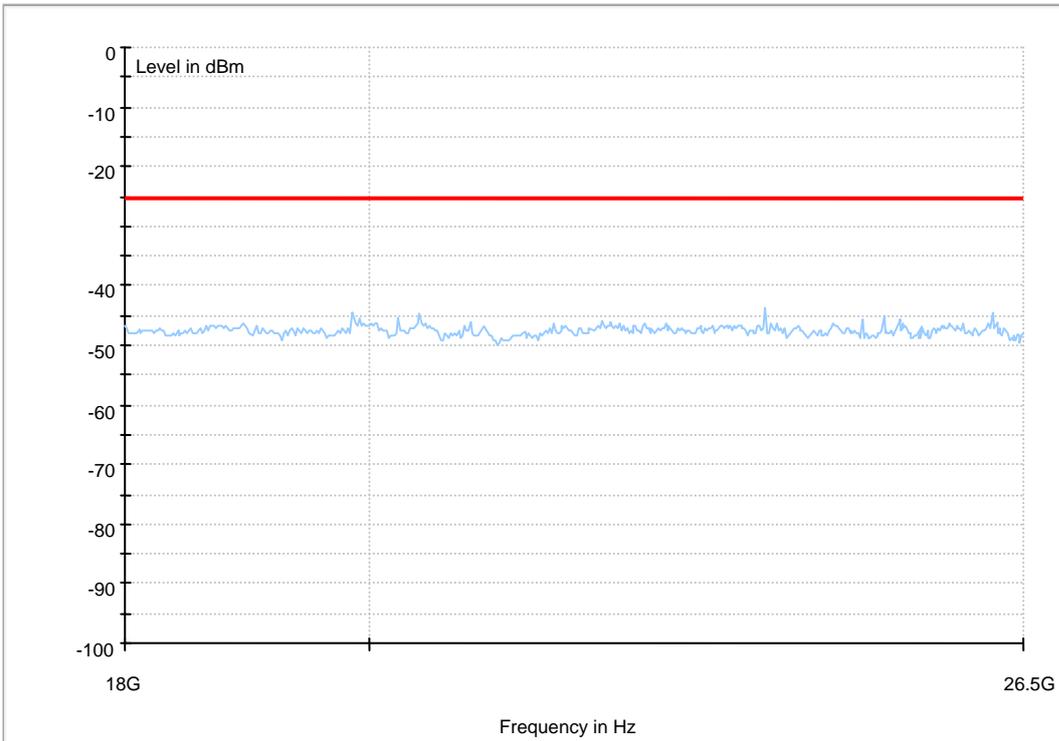
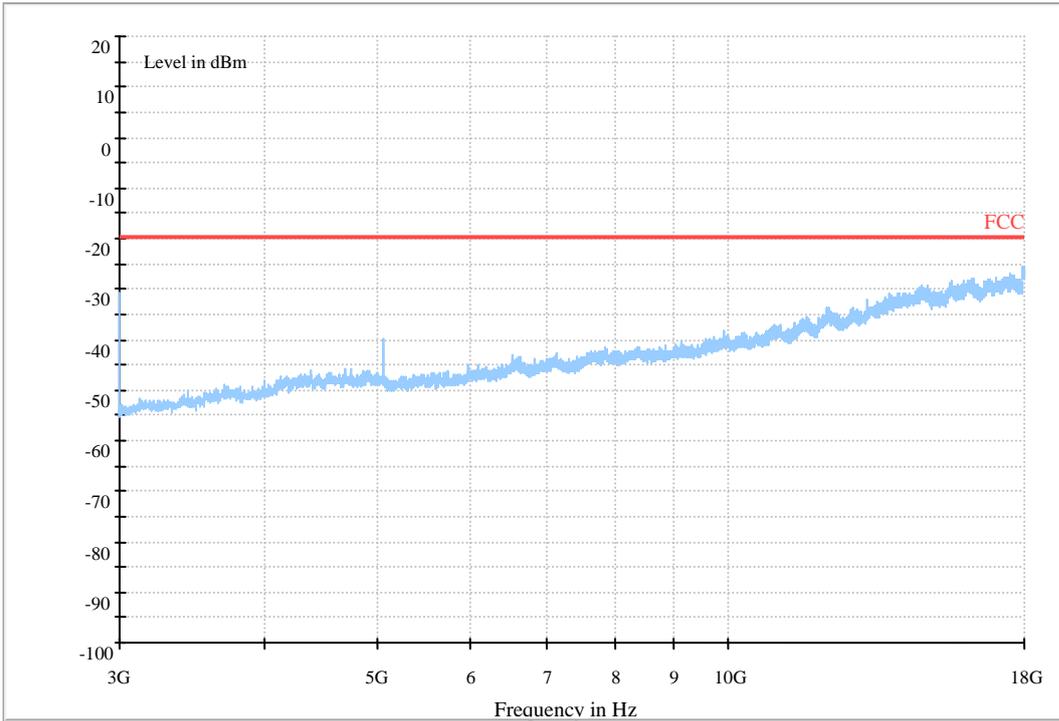


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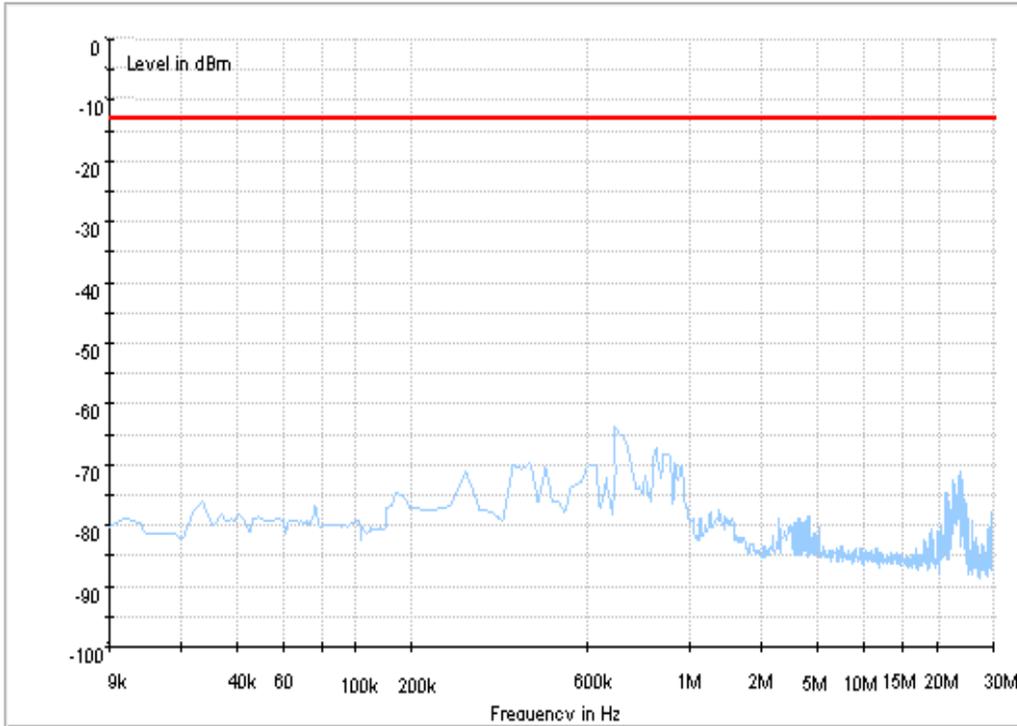
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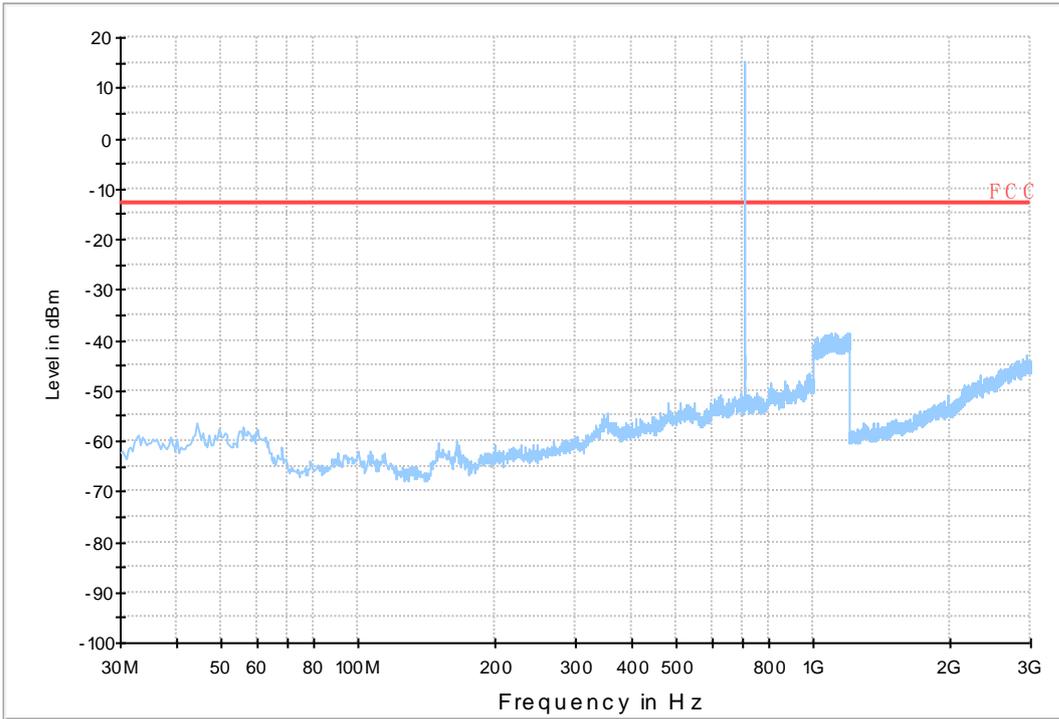
### 7.1.4 Test Band = BAND12

#### 7.1.4.1 Test Bandwidth = 1.4

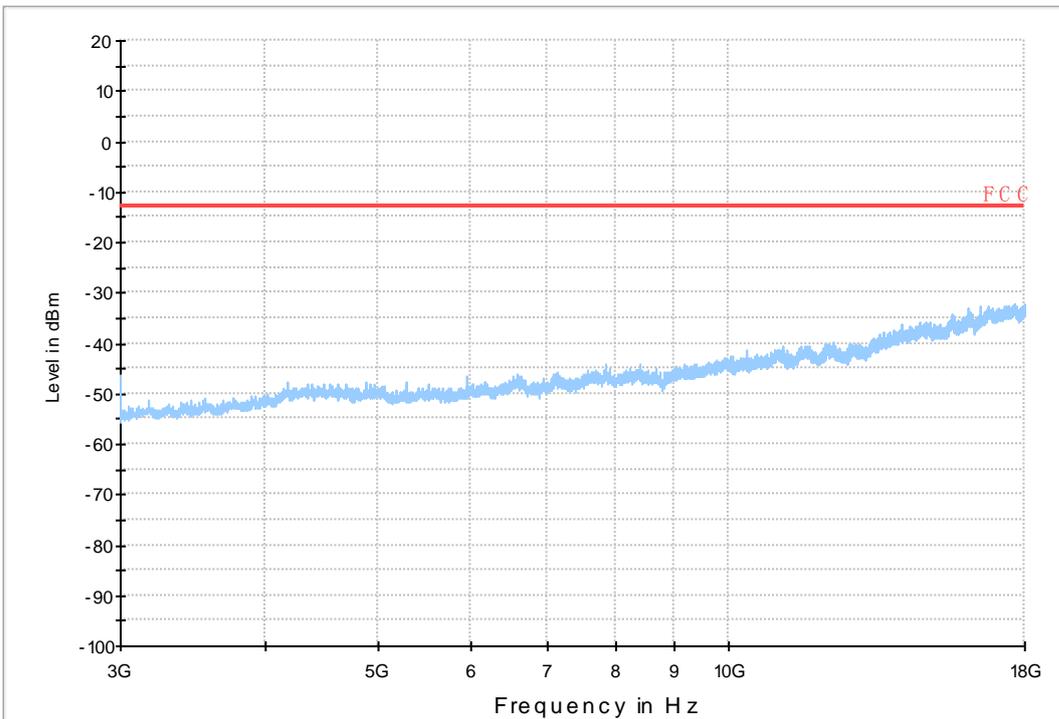




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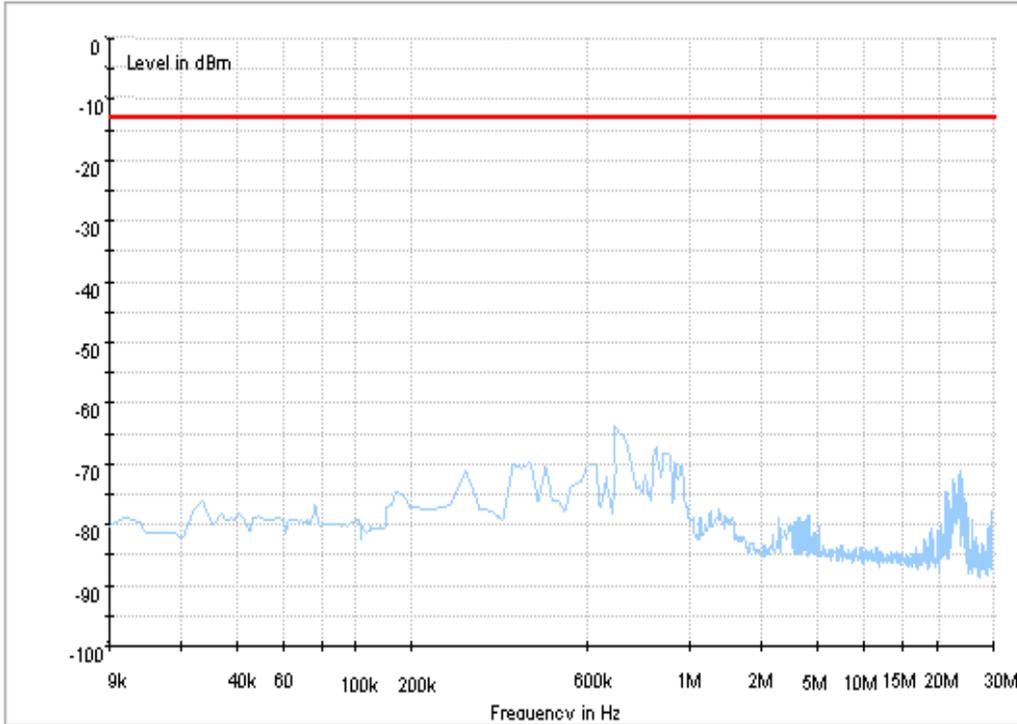


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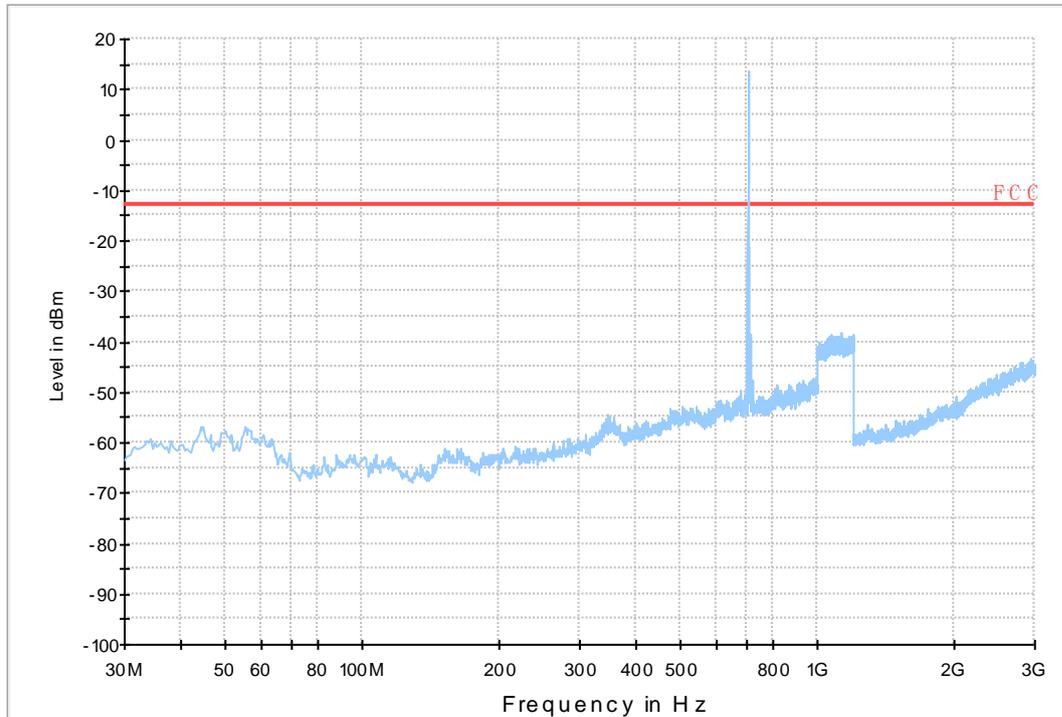




### 7.1.4.2 Test Bandwidth = 5

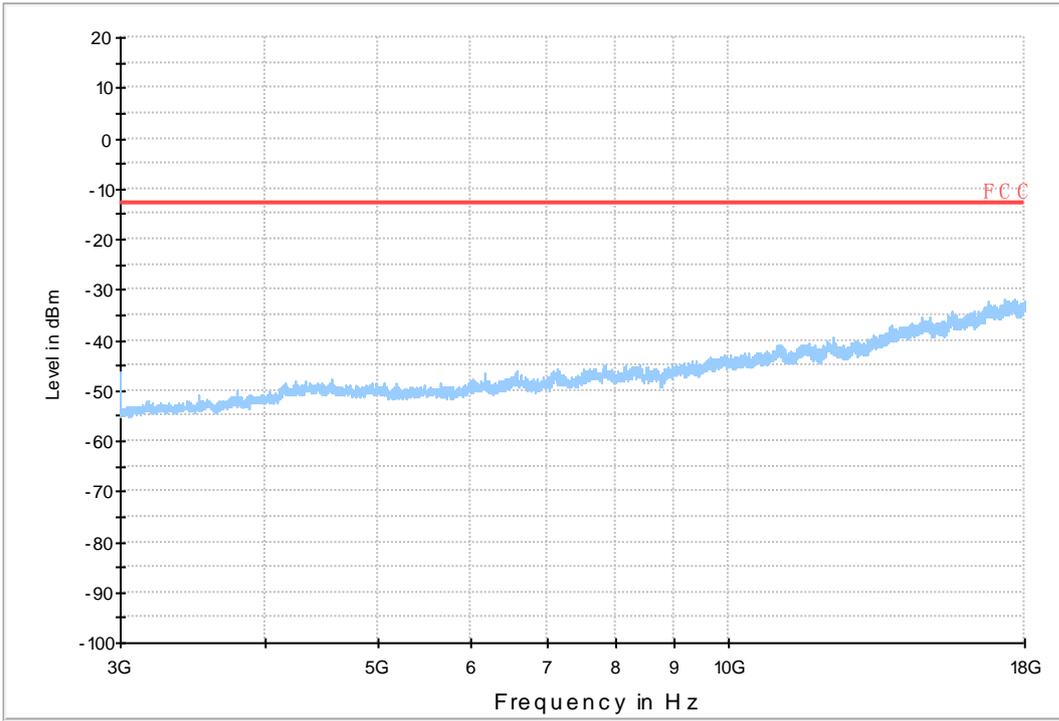


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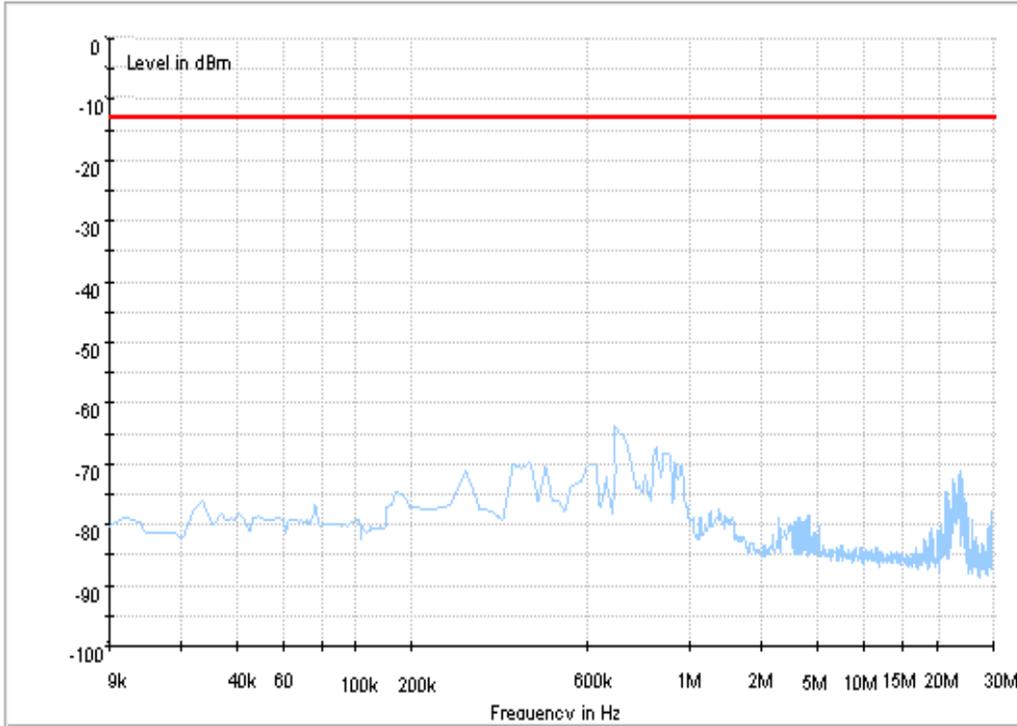


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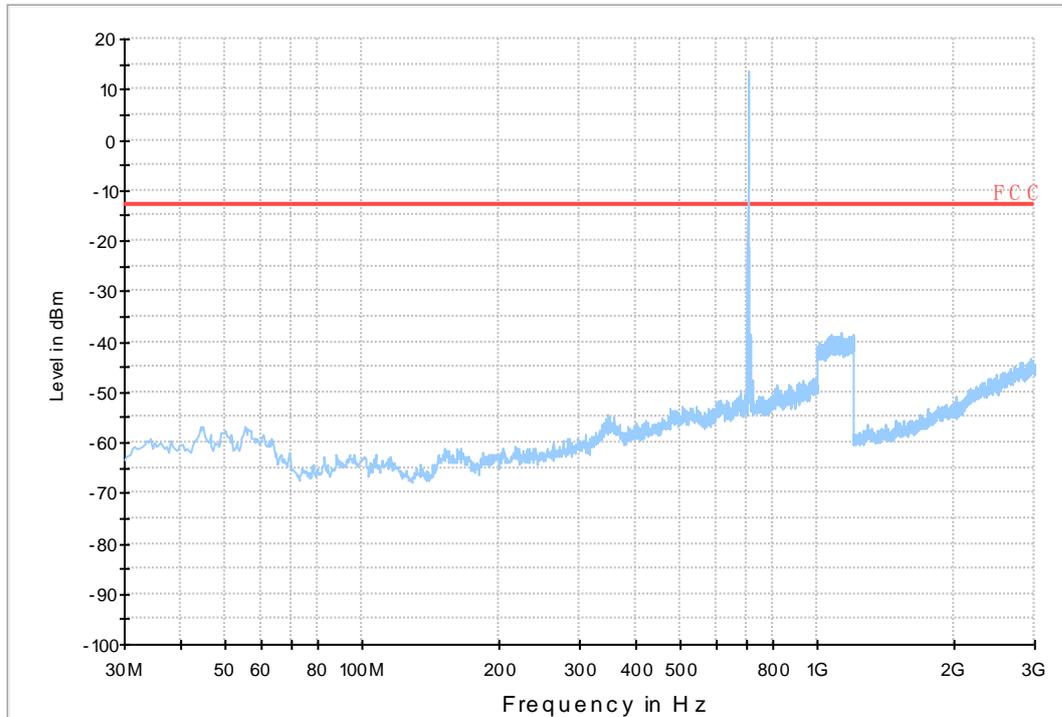




### 7.1.4.3 Test Bandwidth = 10

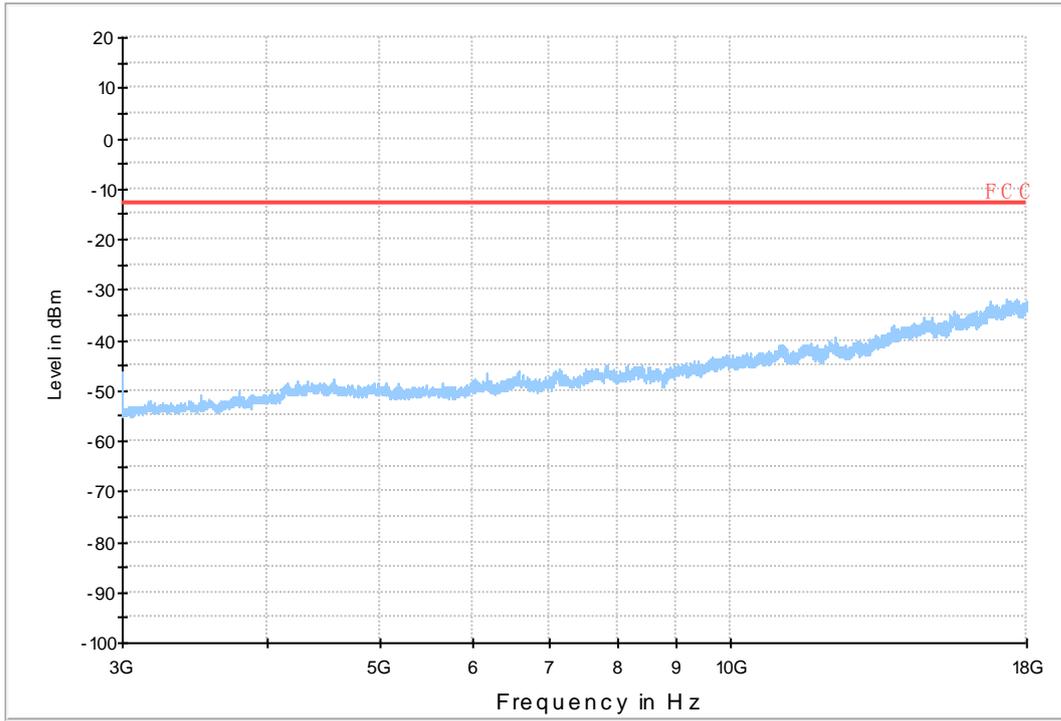


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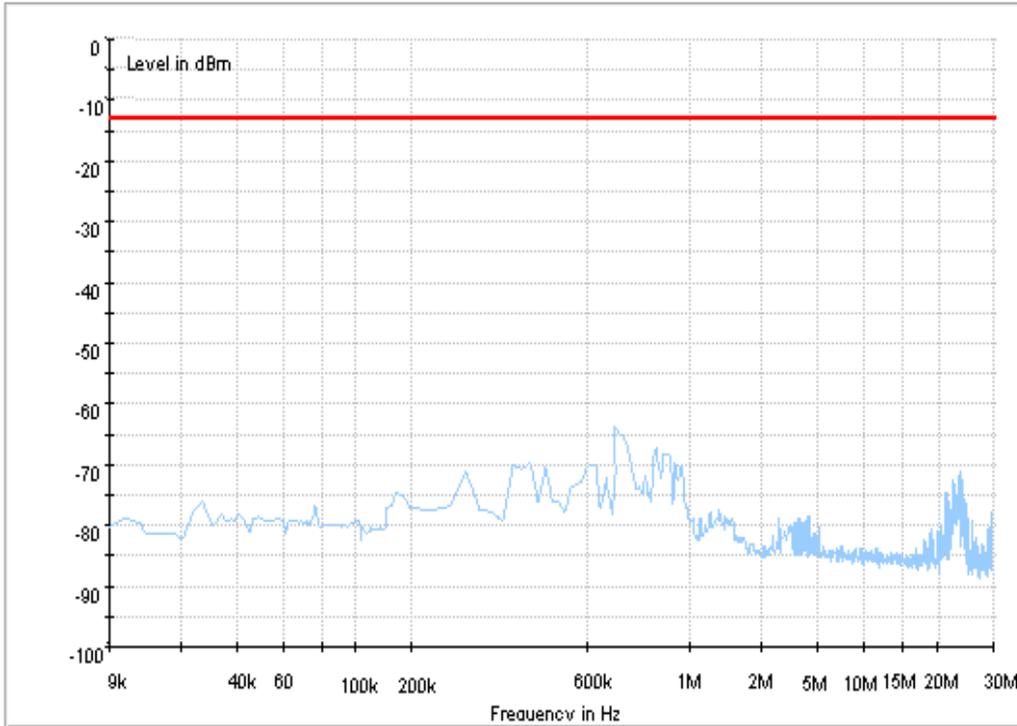
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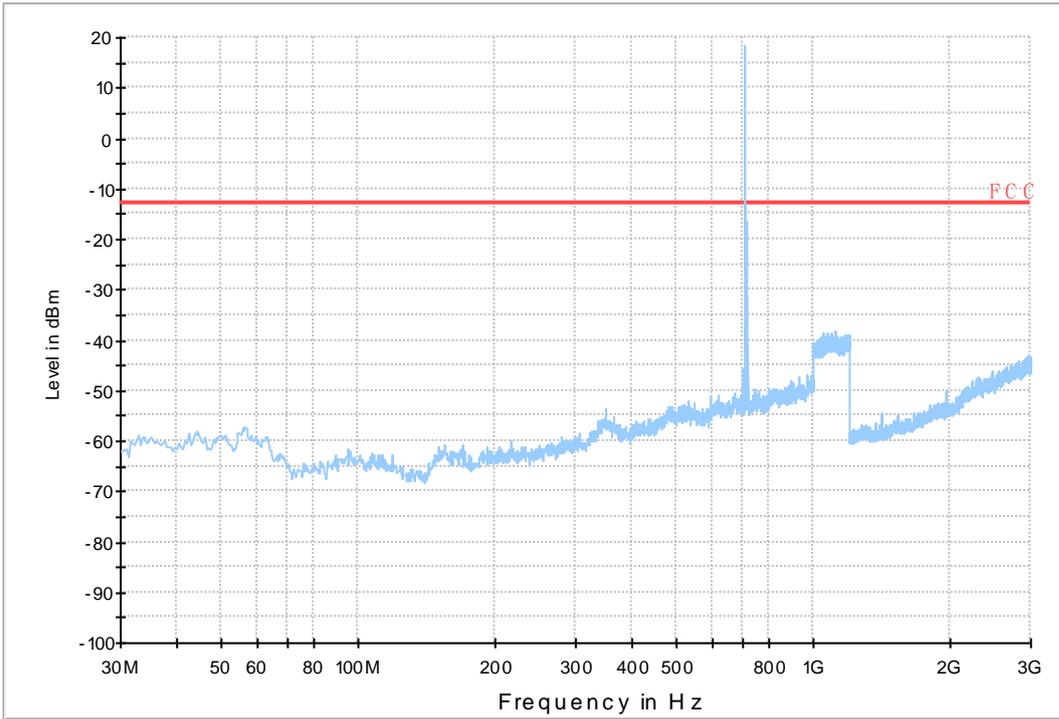
### 7.1.5 Test Band = BAND17

#### 7.1.5.1 Test Bandwidth = 5

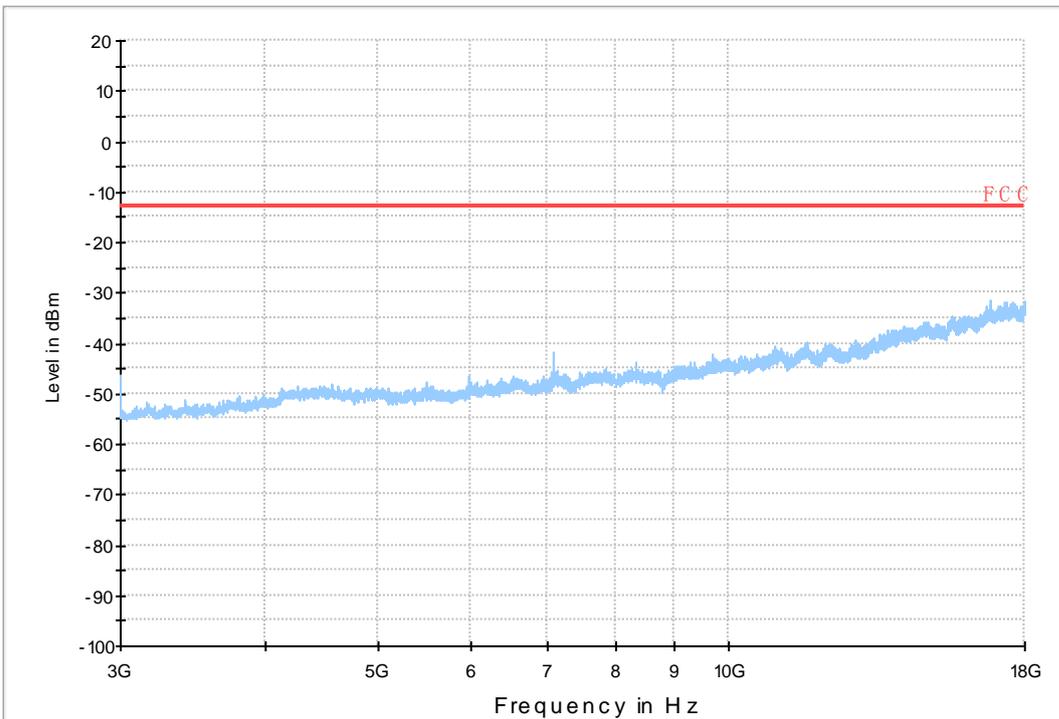




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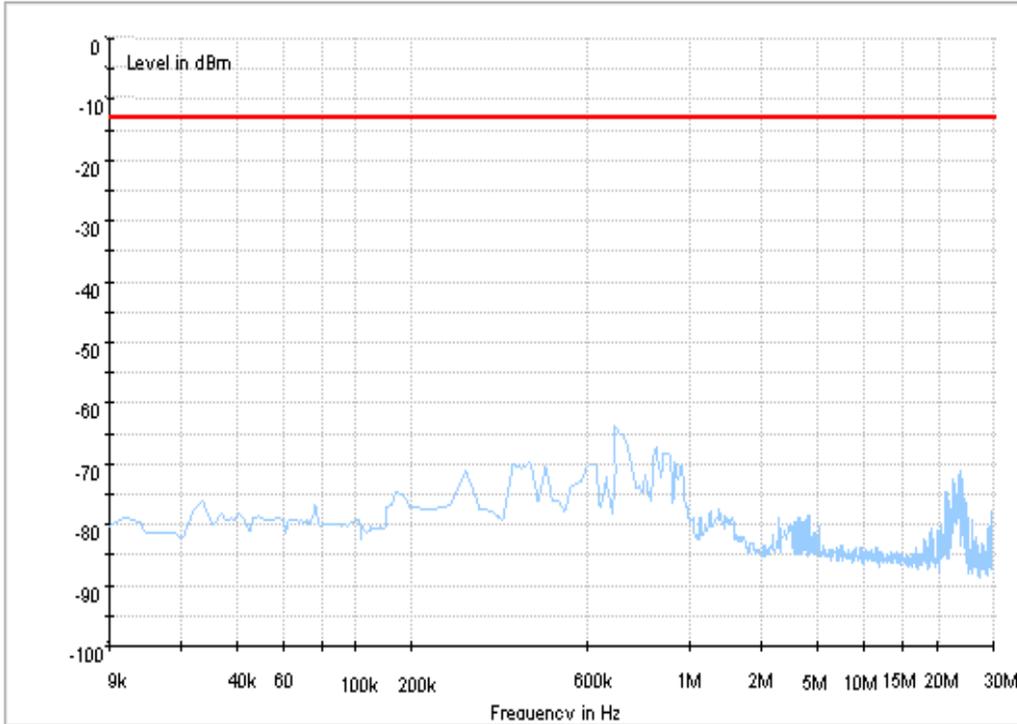


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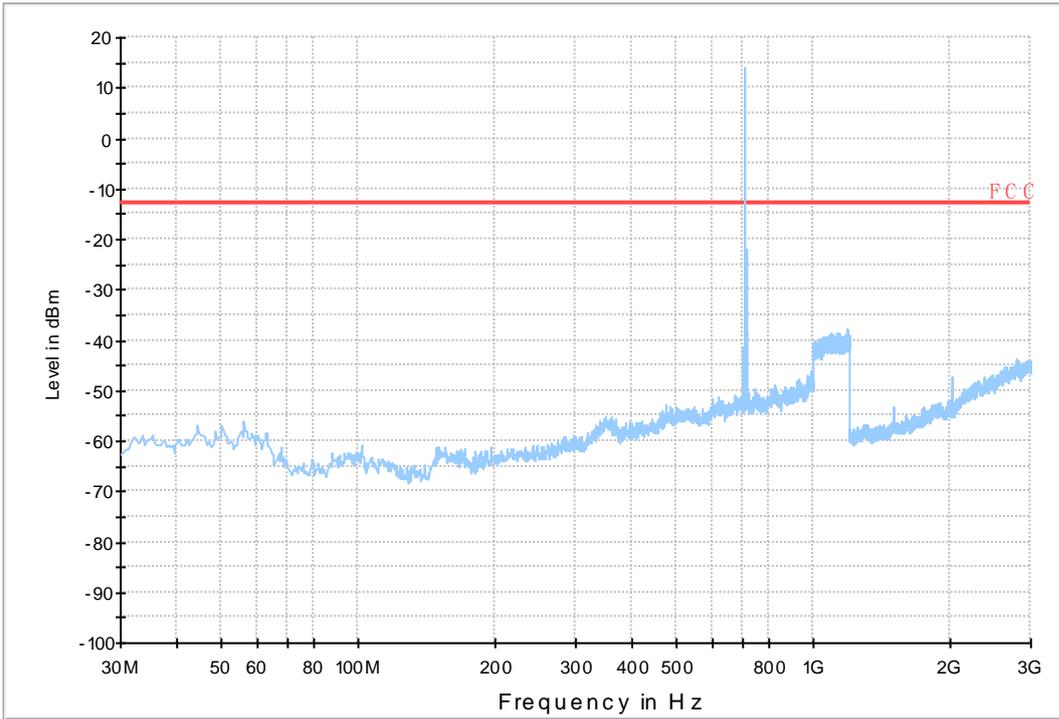


### 7.1.5.2 Test Bandwidth = 10

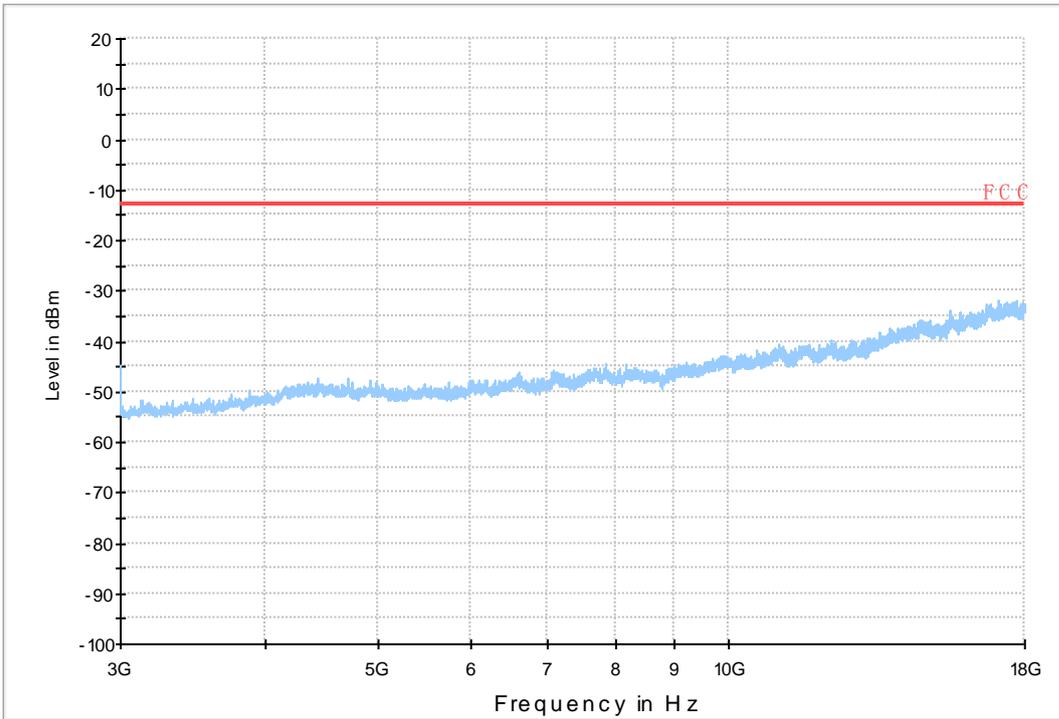




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## 8Appendix\_H: Frequency Stability



8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	TN	VL	-10.86	-.00587	PASS
					VN	-12.73	-.00688	PASS
					VH	-7.18	-.00388	PASS
			MCH	TN	VL	-6.95	-.0037	PASS
					VN	-4.23	-.00225	PASS
					VH	-2.78	-.00148	PASS
			HCH	TN	VL	-13.82	-.00724	PASS
					VN	-14.52	-.0076	PASS
					VH	-11.90	-.00623	PASS
		3	LCH	TN	VL	-5.55	-.003	PASS
					VN	-7.94	-.00429	PASS
					VH	-8.37	-.00452	PASS
			MCH	TN	VL	-5.06	-.00269	PASS
					VN	-4.11	-.00219	PASS
					VH	-3.10	-.00165	PASS
			HCH	TN	VL	-13.40	-.00702	PASS
					VN	-14.08	-.00738	PASS
					VH	-13.82	-.00724	PASS
		5	LCH	TN	VL	-5.39	-.00291	PASS
					VN	-7.02	-.00379	PASS
					VH	6.08	.00328	PASS
			MCH	TN	VL	-15.82	-.00841	PASS
					VN	-15.91	-.00846	PASS
					VH	-14.28	-.0076	PASS
			HCH	TN	VL	4.22	.00221	PASS
					VN	3.82	.002	PASS
					VH	6.27	.00329	PASS
		10	LCH	TN	VL	-12.04	-.00649	PASS
					VN	-5.62	-.00303	PASS
					VH	4.31	.00232	PASS
			MCH	TN	VL	-3.92	-.00209	PASS
					VN	-3.12	-.00166	PASS
					VH	-4.29	-.00228	PASS
			HCH	TN	VL	5.88	.00309	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15	LCH	TN	VN	5.85	.00307	PASS	
					VH	2.75	.00144	PASS	
					VL	-9.43	-.00508	PASS	
			MCH	TN	VN	-12.75	-.00686	PASS	
					VH	2.85	.00153	PASS	
					VL	-11.19	-.00595	PASS	
		HCH	TN	VN	-15.94	-.00848	PASS		
				VH	4.82	.00256	PASS		
				VL	-9.44	-.00496	PASS		
		20	LCH	TN	VN	-17.24	-.00906	PASS	
					VH	-18.25	-.00959	PASS	
					VL	-0.16	-.00009	PASS	
			MCH	TN	VN	-8.98	-.00483	PASS	
					VH	-12.37	-.00665	PASS	
					VL	-9.78	-.0052	PASS	
		HCH	TN	VN	-13.15	-.00699	PASS		
				VH	-13.53	-.0072	PASS		
				VL	-10.43	-.00549	PASS		
		LTE/TM2	1.4	LCH	TN	VN	-14.29	-.00752	PASS
						VH	5.46	.00287	PASS
						VL	8.13	.00439	PASS
				MCH	TN	VN	-8.00	-.00432	PASS
						VH	-7.50	-.00405	PASS
						VL	-3.73	-.00198	PASS
	HCH			TN	VN	-0.06	-.00003	PASS	
					VH	3.16	.00168	PASS	
					VL	-0.56	-.00029	PASS	
	3			LCH	TN	VN	-0.23	-.00012	PASS
						VH	-1.47	-.00077	PASS
						VL	-14.53	-.00785	PASS
			MCH	TN	VN	-14.85	-.00802	PASS	
					VH	-14.62	-.0079	PASS	
					VL	-11.83	-.00629	PASS	
	HCH		TN	VN	-6.18	-.00329	PASS		
				VH	-4.28	-.00228	PASS		
				VL	-1.16	-.00061	PASS		
	5		LCH	TN	VN	-2.19	-.00115	PASS	
					VH	-4.63	-.00243	PASS	
					VL	-4.36	-.00235	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-3.83	-.00207	PASS		
					VH	-4.38	-.00236	PASS		
					MCH	TN	VL	4.23	.00225	PASS
							VN	-8.44	-.00449	PASS
					VH		VH	-9.40	-.005	PASS
			HCH	TN	VL	-2.06	-.00108	PASS		
					VN	-6.64	-.00348	PASS		
					VH	4.76	.0025	PASS		
			10	LCH	TN	VL	-12.82	-.00691	PASS	
						VN	-15.49	-.00835	PASS	
						VH	0.94	.00051	PASS	
		MCH			TN	VL	-3.39	-.0018	PASS	
						VN	-5.89	-.00313	PASS	
						VH	-5.87	-.00312	PASS	
		HCH		TN	VL	3.50	.00184	PASS		
					VN	3.58	.00188	PASS		
					VH	4.28	.00225	PASS		
		15		LCH	TN	VL	-5.98	-.00322	PASS	
						VN	-15.75	-.00848	PASS	
						VH	5.06	.00272	PASS	
			MCH		TN	VL	-11.27	-.00599	PASS	
						VN	-16.57	-.00881	PASS	
						VH	-17.45	-.00928	PASS	
			HCH	TN	VL	-3.23	-.0017	PASS		
					VN	-9.67	-.00508	PASS		
					VH	-14.28	-.00751	PASS		
			20	LCH	TN	VL	5.12	.00275	PASS	
						VN	-1.99	-.00107	PASS	
						VH	-7.34	-.00395	PASS	
		MCH			TN	VL	0.84	.00045	PASS	
						VN	-3.95	-.0021	PASS	
						VH	-8.00	-.00426	PASS	
		HCH		TN	VL	-2.23	-.00117	PASS		
					VN	-5.55	-.00292	PASS		
					VH	-10.90	-.00574	PASS		
BAND4	LTE/TM1	1.4		LCH	TN	VL	-3.96	-.00231	PASS	
						VN	-4.76	-.00278	PASS	
						VH	-5.59	-.00327	PASS	
			MCH	TN	VL	3.71	.00214	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.12	.00065	PASS
					VH	-0.67	-.00039	PASS
			HCH	TN	VL	-5.02	-.00286	PASS
					VN	-4.43	-.00253	PASS
					VH	-5.69	-.00324	PASS
					LCH	TN	VL	-1.50
		VN	-1.72	-.001			PASS	
		VH	-1.34	-.00078			PASS	
		3	MCH	TN	VL	11.32	.00653	PASS
					VN	9.31	.00537	PASS
					VH	9.61	.00555	PASS
			HCH	TN	VL	-5.42	-.00309	PASS
					VN	-3.13	-.00179	PASS
					VH	-4.75	-.00271	PASS
		5	LCH	TN	VL	-3.08	-.0018	PASS
					VN	-5.34	-.00312	PASS
					VH	-4.62	-.0027	PASS
			MCH	TN	VL	8.24	.00476	PASS
					VN	7.15	.00413	PASS
					VH	6.14	.00354	PASS
			HCH	TN	VL	-3.16	-.0018	PASS
					VN	-2.86	-.00163	PASS
					VH	-0.97	-.00055	PASS
		10	LCH	TN	VL	0.27	.00016	PASS
					VN	-1.12	-.00065	PASS
					VH	1.29	.00075	PASS
			MCH	TN	VL	5.16	.00298	PASS
					VN	3.53	.00204	PASS
					VH	3.06	.00177	PASS
			HCH	TN	VL	3.08	.00176	PASS
					VN	4.53	.00259	PASS
					VH	2.33	.00133	PASS
		15	LCH	TN	VL	-6.41	-.00373	PASS
					VN	-7.37	-.00429	PASS
					VH	-5.21	-.00303	PASS
			MCH	TN	VL	0.89	.00051	PASS
VN	2.57				.00148	PASS		
VH	1.42				.00082	PASS		
HCH	TN		VL	-2.42	-.00138	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		20	LCH	TN	VN	-4.16	-.00238	PASS	
					VH	-2.13	-.00122	PASS	
					VL	-1.52	-.00088	PASS	
			MCH	TN	VN	-1.95	-.00113	PASS	
					VH	0.10	.00006	PASS	
					VL	0.20	.00012	PASS	
		HCH	TN	VN	-0.37	-.00021	PASS		
				VH	-2.75	-.00159	PASS		
				VL	3.53	.00202	PASS		
		LTE/TM2	1.4	LCH	TN	VL	-4.78	-.00279	PASS
						VN	-5.05	-.00295	PASS
						VH	-6.88	-.00402	PASS
				MCH	TN	VL	1.49	.00086	PASS
						VN	2.53	.00146	PASS
						VH	1.53	.00088	PASS
			HCH	TN	VL	-7.94	-.00453	PASS	
					VN	-4.03	-.0023	PASS	
					VH	-3.49	-.00199	PASS	
	3		LCH	TN	VL	-3.52	-.00206	PASS	
					VN	-2.49	-.00145	PASS	
					VH	-2.66	-.00155	PASS	
			MCH	TN	VL	-0.23	-.00013	PASS	
					VN	0.07	.00004	PASS	
					VH	-3.69	-.00213	PASS	
	HCH		TN	VL	-6.31	-.0036	PASS		
				VN	-9.28	-.00529	PASS		
				VH	-4.85	-.00277	PASS		
	5	LCH	TN	VL	-5.85	-.00342	PASS		
				VN	-4.94	-.00288	PASS		
				VH	-5.22	-.00305	PASS		
		MCH	TN	VL	0.33	.00019	PASS		
				VN	-0.39	-.00023	PASS		
				VH	-0.69	-.0004	PASS		
	HCH	TN	VL	-2.59	-.00148	PASS			
			VN	-2.29	-.00131	PASS			
			VH	-2.35	-.00134	PASS			
	10	LCH	TN	VL	0.73	.00043	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	2.05	.0012	PASS		
					VH	-2.78	-.00162	PASS		
					MCH	TN	VL	1.95	.00113	PASS
							VN	2.50	.00144	PASS
					VH	1.30	.00075	PASS		
					HCH	TN	VL	3.45	.00197	PASS
			VN	2.39			.00137	PASS		
			VH	0.20			.00011	PASS		
			15	LCH	TN	VL	-6.71	-.00391	PASS	
						VN	-6.35	-.0037	PASS	
						VH	-6.25	-.00364	PASS	
				MCH	TN	VL	-0.04	-.00002	PASS	
		VN				-3.71	-.00214	PASS		
		VH				-2.16	-.00125	PASS		
		HCH		TN	VL	-3.18	-.00182	PASS		
					VN	-4.92	-.00282	PASS		
					VH	-1.87	-.00107	PASS		
		20	LCH	TN	VL	-1.12	-.00065	PASS		
					VN	-3.48	-.00202	PASS		
					VH	-2.03	-.00118	PASS		
			MCH	TN	VL	0.16	.00009	PASS		
					VN	-6.15	-.00355	PASS		
					VH	1.13	.00065	PASS		
			HCH	TN	VL	2.40	.00138	PASS		
					VN	3.79	.00217	PASS		
					VH	3.30	.00189	PASS		
		BAND5	LTE/TM1	1.4	LCH	TN	VL	-0.47	-.00057	PASS
							VN	-0.49	-.00059	PASS
							VH	-2.09	-.00253	PASS
					MCH	TN	VL	0.30	.00036	PASS
							VN	1.07	.00128	PASS
							VH	-0.99	-.00118	PASS
					HCH	TN	VL	-6.69	-.00789	PASS
							VN	-2.32	-.00273	PASS
							VH	-4.78	-.00563	PASS
				3	LCH	TN	VL	-2.68	-.00325	PASS
VN	-1.96						-.00237	PASS		
VH	-2.43						-.00294	PASS		
MCH	TN			VL	1.67	.002	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	1.10	.00132	PASS		
					VH	0.24	.00029	PASS		
					HCH	TN	VL	-41.86	-.04939	PASS
							VN	-44.35	-.05233	PASS
					VH	-46.52	-.05489	PASS		
					LCH	TN	VL	-0.94	-.00114	PASS
			VN	-1.34			-.00162	PASS		
			VH	-1.60			-.00194	PASS		
			5	MCH	TN	VL	0.33	.00039	PASS	
						VN	0.09	.00011	PASS	
						VH	-0.57	-.00068	PASS	
				HCH	TN	VL	-3.26	-.00385	PASS	
		VN				-3.36	-.00397	PASS		
		VH				-3.95	-.00467	PASS		
		10	LCH	TN	VL	0.69	.00083	PASS		
					VN	0.06	.00007	PASS		
					VH	0.64	.00077	PASS		
			MCH	TN	VL	0.41	.00049	PASS		
					VN	1.07	.00128	PASS		
					VH	-0.64	-.00077	PASS		
			HCH	TN	VL	1.27	.0015	PASS		
					VN	2.25	.00267	PASS		
					VH	0.67	.00079	PASS		
		LTE/TM2	1.4	LCH	TN	VL	-0.59	-.00072	PASS	
						VN	-1.16	-.00141	PASS	
						VH	-0.84	-.00102	PASS	
				MCH	TN	VL	1.65	.00197	PASS	
						VN	-0.74	-.00088	PASS	
						VH	0.37	.00044	PASS	
				HCH	TN	VL	-2.49	-.00294	PASS	
						VN	-4.51	-.00532	PASS	
						VH	-2.96	-.00349	PASS	
			3	LCH	TN	VL	-2.36	-.00286	PASS	
						VN	-2.63	-.00319	PASS	
						VH	-3.29	-.00399	PASS	
				MCH	TN	VL	0.10	.00012	PASS	
						VN	0.33	.00039	PASS	
						VH	1.80	.00215	PASS	
			HCH	TN	VL	-41.08	-.04847	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		5	LCH	TN	VN	-43.14	-.0509	PASS		
					VH	-38.57	-.04551	PASS		
					VL	-0.20	-.00024	PASS		
			MCH	TN	VN	-0.99	-.0012	PASS		
					VH	-1.30	-.00157	PASS		
					VL	0.46	.00055	PASS		
		HCH	TN	VN	1.43	.00171	PASS			
				VH	0.17	.0002	PASS			
				VL	-2.59	-.00306	PASS			
		10	LCH	TN	VN	-2.96	-.0035	PASS		
					VH	-2.59	-.00306	PASS		
					VL	-0.24	-.00029	PASS		
			MCH	TN	VN	0.27	.00033	PASS		
					VH	-0.83	-.001	PASS		
					VL	0.20	.00024	PASS		
			HCH	TN	VN	-0.36	-.00043	PASS		
					VH	0.39	.00047	PASS		
					VL	1.59	.00188	PASS		
		BAND7	LTE/TM1	5	LCH	TN	VN	1.17	.00139	PASS
							VH	0.30	.00036	PASS
							VL	-7.32	-0.00293	PASS
					MCH	TN	VN	-1.72	-0.00069	PASS
							VH	-7.12	-0.00285	PASS
							VL	-3.28	-0.00129	PASS
HCH	TN				VN	-2.19	-0.00086	PASS		
					VH	-1	-0.00039	PASS		
					VL	-5.04	-0.00196	PASS		
10	LCH			TN	VN	-12.17	-0.00474	PASS		
					VH	13.46	0.00524	PASS		
					VL	-8.2	-0.00327	PASS		
	MCH			TN	VN	-3.99	-0.00159	PASS		
					VH	-4.28	-0.00171	PASS		
					VL	9.38	0.0037	PASS		
	HCH			TN	VN	-3.52	-0.00139	PASS		
					VH	-17.12	-0.00675	PASS		
					VL	-4.25	-0.00166	PASS		
15	LCH			TN	VN	-13.42	-0.00523	PASS		
					VH	4.66	0.00182	PASS		
					VL	4.69	0.00187	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	5.52	0.0022	PASS		
					VH	-4.79	-0.00191	PASS		
					MCH	TN	VL	-4.16	-0.00164	PASS
							VN	-7.51	-0.00296	PASS
					VH		VH	8.87	0.0035	PASS
							VL	-2.36	-0.00092	PASS
			HCH	TN	VN	-20.61	-0.00804	PASS		
					VH	-1.36	-0.00053	PASS		
					VL	-2.2	-0.00088	PASS		
			20	LCH	TN	VN	-16.51	-0.00658	PASS	
						VH	-10.94	-0.00436	PASS	
						VL	-11.19	-0.00441	PASS	
		MCH		TN	VN	4.05	0.0016	PASS		
					VH	-12.87	-0.00508	PASS		
					VL	0.73	0.00029	PASS		
		HCH	TN	VN	3.15	0.00123	PASS			
				VH	-9.67	-0.00378	PASS			
				VL	-1.96	-0.00078	PASS			
		LTE/TM2	5	LCH	TN	VN	-1.62	-0.00065	PASS	
						VH	-0.99	-0.0004	PASS	
						VL	8.51	0.00336	PASS	
				MCH	TN	VN	7.38	0.00291	PASS	
						VH	7.48	0.00295	PASS	
						VL	11.9	0.00463	PASS	
	HCH			TN	VN	10.69	0.00416	PASS		
					VH	8.43	0.00328	PASS		
					VL	1.13	0.00045	PASS		
	10			LCH	TN	VN	-3.75	-0.0015	PASS	
						VH	-4.55	-0.00182	PASS	
						VL	-9.28	-0.00366	PASS	
			MCH	TN	VN	-11.34	-0.00447	PASS		
					VH	-13.79	-0.00544	PASS		
					VL	-21.44	-0.00836	PASS		
	HCH		TN	VN	10.26	0.004	PASS			
				VH	7.25	0.00283	PASS			
				VL	9.97	0.00398	PASS			
	15		LCH	TN	VN	0.73	0.00029	PASS		
					VH	10.2	0.00407	PASS		
					VL	-8.7	-0.00343	PASS		
					MCH	TN	VL	-8.7	-0.00343	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
BAND12	LTE/TM1	20	HCH	TN	VN	-11	-0.00434	PASS		
					VH	6.69	0.00264	PASS		
					VL	-17.51	-0.00683	PASS		
					VN	1.6	0.00062	PASS		
					VH	-3.65	-0.00142	PASS		
			LCH	TN	VL	-13.05	-0.0052	PASS		
					VN	-11.34	-0.00452	PASS		
					VH	0.17	0.00007	PASS		
					MCH	TN	VL	11.8	0.00465	PASS
					VN	-2.43	-0.00096	PASS		
		1.4	HCH	TN	VL	0.9	0.00035	PASS		
					VN	-5.69	-0.00222	PASS		
					VH	-9.36	-0.00366	PASS		
					LCH	TN	VL	-1.46	-.00209	PASS
							VN	-2.37	-.00339	PASS
			VH	-1.69			-.00242	PASS		
			MCH	TN	VL	-10.70	-.01512	PASS		
					VN	-14.43	-.0204	PASS		
					VH	-12.29	-.01737	PASS		
			3	HCH	TN	VL	-3.95	-.00552	PASS	
VN	-5.45	-.00762				PASS				
VH	-4.72	-.0066				PASS				
LCH	TN	VL				-7.67	-.01095	PASS		
		VN				-8.61	-.01229	PASS		
		VH		-7.32	-.01045	PASS				
MCH	TN	VL		-5.21	-.00736	PASS				
		VN		-3.26	-.00461	PASS				
		VH		-5.92	-.00837	PASS				
5	HCH	TN		VL	-79.72	-.11157	PASS			
			VN	-75.89	-.10621	PASS				
			VH	-75.70	-.10595	PASS				
			LCH	TN	VL	-0.64	-0.00091	PASS		
					VN	-1.86	-0.00265	PASS		
	VH	-1.75			-0.00249	PASS				
	MCH	TN	VL	-2.75	-0.00389	PASS				
			VN	-2.76	-0.0039	PASS				
			VH	-2.00	-0.00283	PASS				
	HCH	TN	VL	-0.93	-0.0013	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10	LCH	TN	VN	0.19	.00027	PASS	
					VH	-1.32	-.00185	PASS	
					VL	-1.92	-.00273	PASS	
			MCH	TN	VN	-1.80	-.00256	PASS	
					VH	-1.44	-.00205	PASS	
					VL	-1.07	-.00151	PASS	
		HCH	TN	VN	-0.74	-.00105	PASS		
				VH	-1.59	-.00225	PASS		
				VL	-0.66	-.00093	PASS		
		LTE/TM2	1.4	LCH	TN	VL	-1.22	-.00174	PASS
						VN	-0.44	-.00063	PASS
						VH	0.16	.00023	PASS
				MCH	TN	VL	-7.68	-.01086	PASS
						VN	-9.01	-.01273	PASS
						VH	-7.75	-.01095	PASS
			HCH	TN	VL	0.21	.00029	PASS	
					VN	0.07	.0001	PASS	
					VH	1.42	.00199	PASS	
	3		LCH	TN	VL	-6.61	-.00944	PASS	
					VN	-6.51	-.00929	PASS	
					VH	-8.05	-.01149	PASS	
			MCH	TN	VL	-4.86	-.00687	PASS	
					VN	-4.95	-.007	PASS	
					VH	-2.75	-.00389	PASS	
	HCH		TN	VL	-68.44	-.09579	PASS		
				VN	-62.87	-.08799	PASS		
				VH	-63.00	-.08817	PASS		
	5	LCH	TN	VL	-1.44	-.00205	PASS		
				VN	-1.76	-.00251	PASS		
				VH	-2.10	-.00299	PASS		
		MCH	TN	VL	-3.20	-.00452	PASS		
				VN	-2.53	-.00358	PASS		
				VH	-3.18	-.00449	PASS		
	HCH	TN	VL	-1.59	-.00223	PASS			
			VN	-1.14	-.0016	PASS			
			VH	-1.85	-.00259	PASS			
	10	LCH	TN	VL	-2.22	-.00315	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	TN	VN	-1.10	-.00156	PASS
					VH	-0.33	-.00047	PASS
					VL	0.50	.00071	PASS
			MCH	TN	VN	-0.07	-.0001	PASS
					VH	-1.10	-.00155	PASS
					VL	-1.20	-.00169	PASS
		HCH	TN	VN	-1.14	-.0016	PASS	
				VH	-0.84	-.00118	PASS	
				VL	-8.77	-.01241	PASS	
	LTE/TM2	5	LCH	TN	VN	-6.82	-.00965	PASS
					VH	-8.25	-.01168	PASS
					VL	-0.43	-.00061	PASS
			MCH	TN	VN	0.62	.00087	PASS
					VH	-1.47	-.00207	PASS
					VL	-1.04	-.00146	PASS
		HCH	TN	VN	-1.40	-.00196	PASS	
				VH	-0.37	-.00052	PASS	
				VL	-1.00	-.00141	PASS	
		10	LCH	TN	VN	-1.70	-.0024	PASS
					VH	-0.40	-.00056	PASS
					VL	4.58	.00645	PASS
MCH	TN		VN	5.21	.00734	PASS		
			VH	5.49	.00773	PASS		
			VL	-5.72	-.00805	PASS		
HCH	TN	VN	-1.50	-.00211	PASS			
		VH	-2.13	-.003	PASS			
		VL	-7.98	-.0113	PASS			
10	LCH	TN	VN	-7.31	-.01035	PASS		
			VH	-8.15	-.01154	PASS		
			VL	-0.90	-.00127	PASS		
	MCH	TN	VN	-0.47	-.00066	PASS		
			VH	0.04	.00006	PASS		
			VL	-0.96	-.00135	PASS		
	HCH	TN	VN	-0.50	-.0007	PASS		
			VH	-1.77	-.00248	PASS		
			VL	0.36	.00051	PASS		
LCH	TN	VN	1.26	.00178	PASS			
		VH	0.66	.00093	PASS			
		VL	4.95	.00697	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	4.22	.00594	PASS
					VH	5.08	.00715	PASS
			HCH	TN	VL	-0.57	-.0008	PASS
					VN	-0.56	-.00079	PASS
					VH	0.53	.00075	PASS

8.1.2 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	VN	-30	-6.42	-.00347	PASS
					-20	-6.24	-.00337	PASS
					-10	-4.92	-.00266	PASS
					0	-3.22	-.00174	PASS
					10	-1.66	-.0009	PASS
					20	1.99	.00108	PASS
					30	3.71	.002	PASS
					40	5.62	.00304	PASS
			50	7.70	.00416	PASS		
			MCH	VN	-30	-14.41	-.00766	PASS
					-20	-12.89	-.00686	PASS
					-10	-13.33	-.00709	PASS
					0	-9.93	-.00528	PASS
					10	-7.21	-.00384	PASS
		20			-5.08	-.0027	PASS	
		30			-4.82	-.00256	PASS	
		40			-5.56	-.00296	PASS	
		HCH	VN	-30	-13.02	-.00682	PASS	
				-20	-14.02	-.00734	PASS	
				-10	-10.13	-.00531	PASS	
				0	-9.80	-.00513	PASS	
				10	-14.76	-.00773	PASS	
				20	4.61	.00241	PASS	
				30	3.69	.00193	PASS	
				40	0.94	.00049	PASS	
		3	LCH	VN	-30	-14.95	-.00807	PASS
					-20	-18.95	-.01023	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-10	-19.33	-.01044	PASS			
					0	-17.37	-.00938	PASS			
					10	-13.60	-.00735	PASS			
					20	-13.56	-.00732	PASS			
					30	-12.42	-.00671	PASS			
					40	-17.44	-.00942	PASS			
					50	-16.67	-.009	PASS			
			MCH	VN				-30	-17.25	-.00918	PASS
								-20	-17.19	-.00914	PASS
								-10	-13.19	-.00702	PASS
								0	-17.04	-.00906	PASS
								10	-15.09	-.00803	PASS
								20	-18.21	-.00969	PASS
								30	-17.18	-.00914	PASS
			HCH	VN				40	-17.42	-.00927	PASS
								50	-16.21	-.00862	PASS
								-30	2.26	.00118	PASS
								-20	1.96	.00103	PASS
								-10	-2.12	-.00111	PASS
								0	-4.63	-.00243	PASS
								10	-5.49	-.00288	PASS
		LCH	VN	5			20	-7.05	-.00369	PASS	
							30	-4.61	-.00242	PASS	
							40	-5.55	-.00291	PASS	
							50	-6.94	-.00364	PASS	
							-30	-4.86	-.00262	PASS	
							-20	-6.54	-.00353	PASS	
							-10	-6.39	-.00345	PASS	
		MCH	VN	5			0	-6.47	-.00349	PASS	
							10	-7.54	-.00407	PASS	
							20	-6.57	-.00355	PASS	
							30	-5.97	-.00322	PASS	
							40	-6.87	-.00371	PASS	
							50	-8.80	-.00475	PASS	
							-30	-7.67	-.00408	PASS	
							-20	-7.44	-.00396	PASS	
							-10	-7.84	-.00417	PASS	
							0	-7.02	-.00373	PASS	
							10	-6.32	-.00336	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-7.18	-.00382	PASS		
					30	-6.54	-.00348	PASS		
					40	-4.86	-.00259	PASS		
					50	-5.52	-.00294	PASS		
			HCH	VN	-30	-6.04	-.00317	PASS		
					-20	-7.61	-.00399	PASS		
					-10	-10.51	-.00551	PASS		
					0	-10.86	-.00569	PASS		
					10	-13.13	-.00688	PASS		
					20	-12.77	-.00669	PASS		
					30	-12.73	-.00667	PASS		
					40	-13.06	-.00685	PASS		
					50	-10.37	-.00544	PASS		
					LCH	VN	-30	-4.72	-.00254	PASS
							-20	-9.00	-.00485	PASS
							-10	-11.96	-.00645	PASS
		0	-14.88	-.00802			PASS			
		10	-0.86	-.00046			PASS			
		20	2.33	.00126			PASS			
		30	4.06	.00219			PASS			
		40	1.22	.00066			PASS			
		MCH	VN	50	-0.92	-.0005	PASS			
				-30	-8.48	-.00451	PASS			
				-20	-11.16	-.00594	PASS			
				-10	-1.57	-.00084	PASS			
				0	4.23	.00225	PASS			
				10	3.08	.00164	PASS			
				20	1.42	.00076	PASS			
				30	-0.13	-.00007	PASS			
		HCH	VN	40	0.24	.00013	PASS			
				50	0.50	.00027	PASS			
				-30	9.84	.00517	PASS			
				-20	8.55	.00449	PASS			
				-10	7.15	.00375	PASS			
				0	7.12	.00374	PASS			
				10	8.37	.00439	PASS			
				20	4.98	.00261	PASS			
							30	3.33	.00175	PASS
							40	1.93	.00101	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	2.82	.00148	PASS
		15	LCH	VN	-30	-7.70	-.00415	PASS
					-20	-16.67	-.00897	PASS
					-10	4.53	.00244	PASS
					0	-0.73	-.00039	PASS
					10	-8.31	-.00447	PASS
					20	-12.29	-.00662	PASS
					30	-16.64	-.00896	PASS
					40	3.63	.00195	PASS
					50	0.63	.00034	PASS
		15	MCH	VN	-30	-8.38	-.00446	PASS
					-20	-12.42	-.00661	PASS
					-10	-15.42	-.0082	PASS
					0	-5.89	-.00313	PASS
					10	3.71	.00197	PASS
					20	1.19	.00063	PASS
					30	-2.17	-.00115	PASS
					40	-5.41	-.00288	PASS
					50	-8.03	-.00427	PASS
		15	HCH	VN	-30	-17.94	-.00943	PASS
					-20	-15.92	-.00837	PASS
					-10	0.30	.00016	PASS
					0	-2.02	-.00106	PASS
					10	-7.42	-.0039	PASS
					20	-8.88	-.00467	PASS
					30	-13.26	-.00697	PASS
					40	-16.71	-.00878	PASS
					50	-16.61	-.00873	PASS
		20	LCH	VN	-30	8.77	.00472	PASS
					-20	2.32	.00125	PASS
					-10	-2.93	-.00158	PASS
					0	-4.73	-.00254	PASS
					10	-9.21	-.00495	PASS
					20	-13.20	-.0071	PASS
					30	-0.10	-.00005	PASS
					40	9.44	.00508	PASS
50	7.35				.00395	PASS		
20	MCH				VN	-30	-8.64	-.0046
			-20	-10.89		-.00579	PASS	





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-6.75	-.00354	PASS		
					30	-13.00	-.00681	PASS		
					40	-11.82	-.00619	PASS		
					50	-10.61	-.00556	PASS		
		3	LCH	VN	-30	-1.73	-.00093	PASS		
					-20	-2.76	-.00149	PASS		
					-10	-1.60	-.00086	PASS		
					0	-0.59	-.00032	PASS		
					10	-1.14	-.00062	PASS		
					20	-0.74	-.0004	PASS		
					30	1.75	.00095	PASS		
					40	-4.45	-.0024	PASS		
					50	4.33	.00234	PASS		
					MCH	VN	-30	0.14	.00007	PASS
							-20	-3.19	-.0017	PASS
							-10	0.74	.00039	PASS
							0	-8.90	-.00473	PASS
							10	-17.81	-.00947	PASS
							20	-14.16	-.00753	PASS
							30	-16.91	-.00899	PASS
			40	-15.02			-.00799	PASS		
			HCH	VN	-30	-16.21	-.00849	PASS		
					-20	-17.37	-.0091	PASS		
					-10	-15.25	-.00799	PASS		
					0	-16.41	-.0086	PASS		
					10	-14.88	-.0078	PASS		
					20	-9.90	-.00519	PASS		
					30	-16.99	-.0089	PASS		
					40	-14.96	-.00784	PASS		
			5	LCH	VN	-30	6.11	.0033	PASS	
						-20	4.55	.00246	PASS	
						-10	8.33	.0045	PASS	
0	2.63	.00142				PASS				
10	8.05	.00435				PASS				
20	7.02	.00379				PASS				
30	8.48	.00458				PASS				
40	8.96	.00484				PASS				