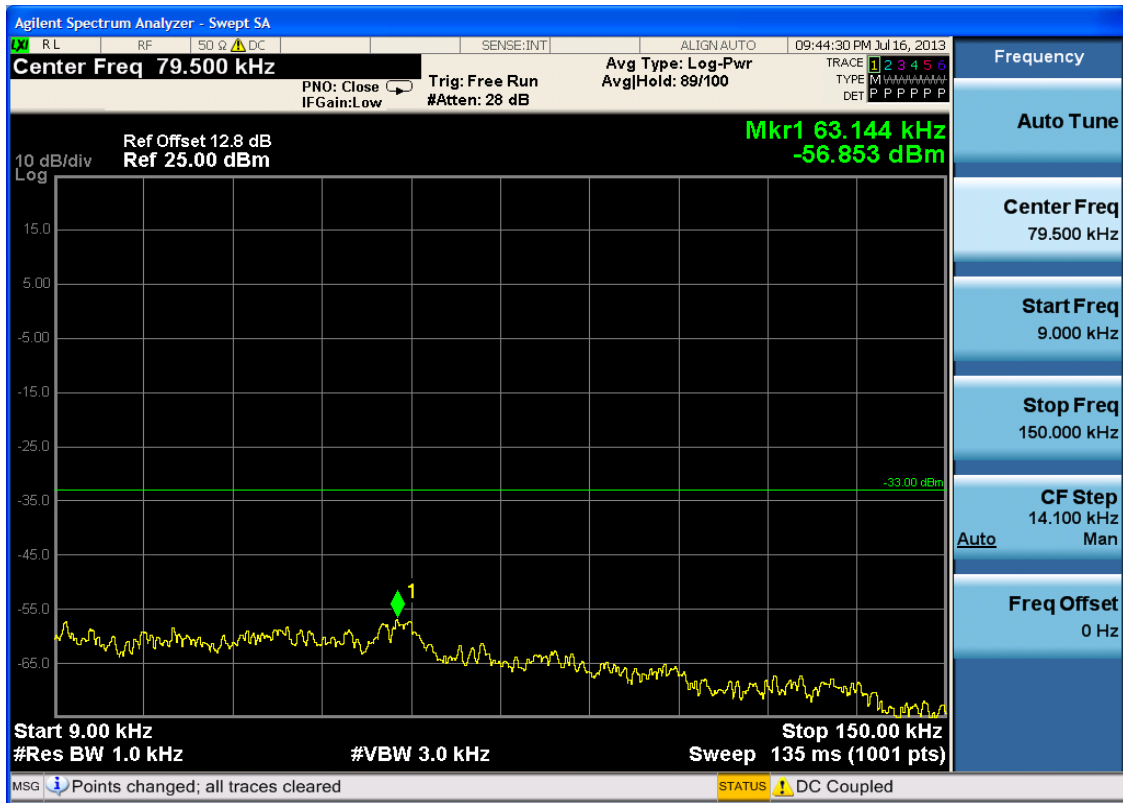


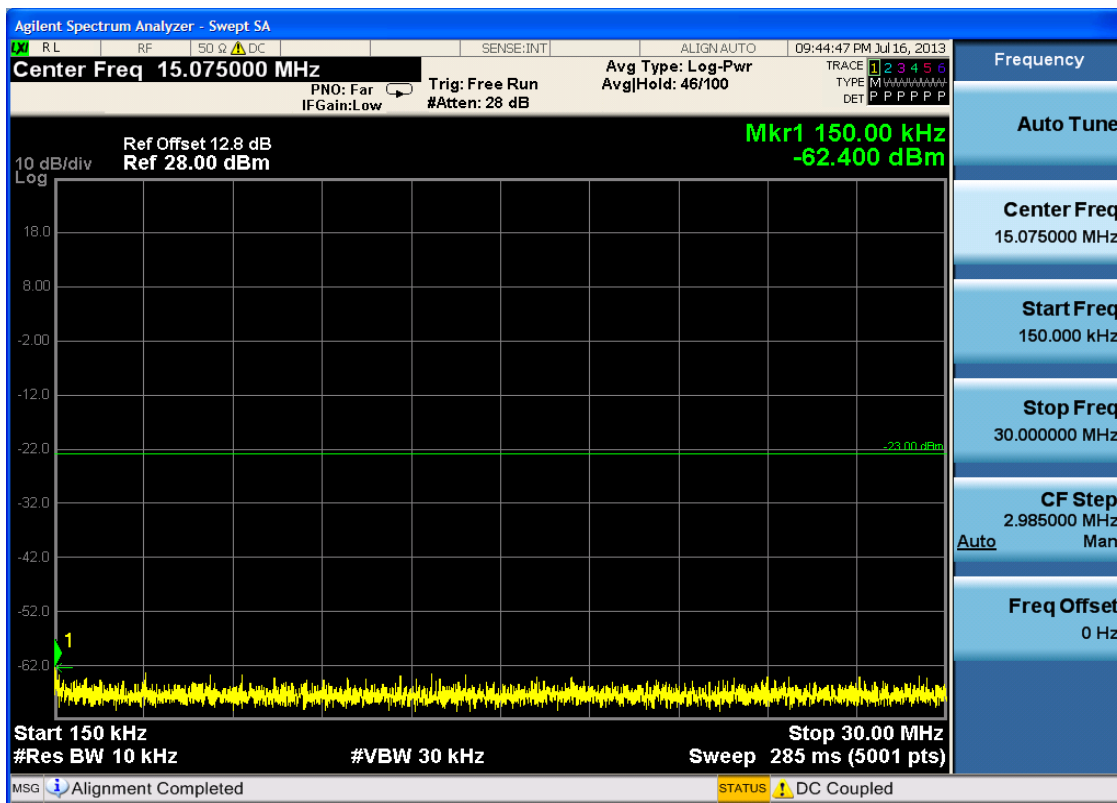


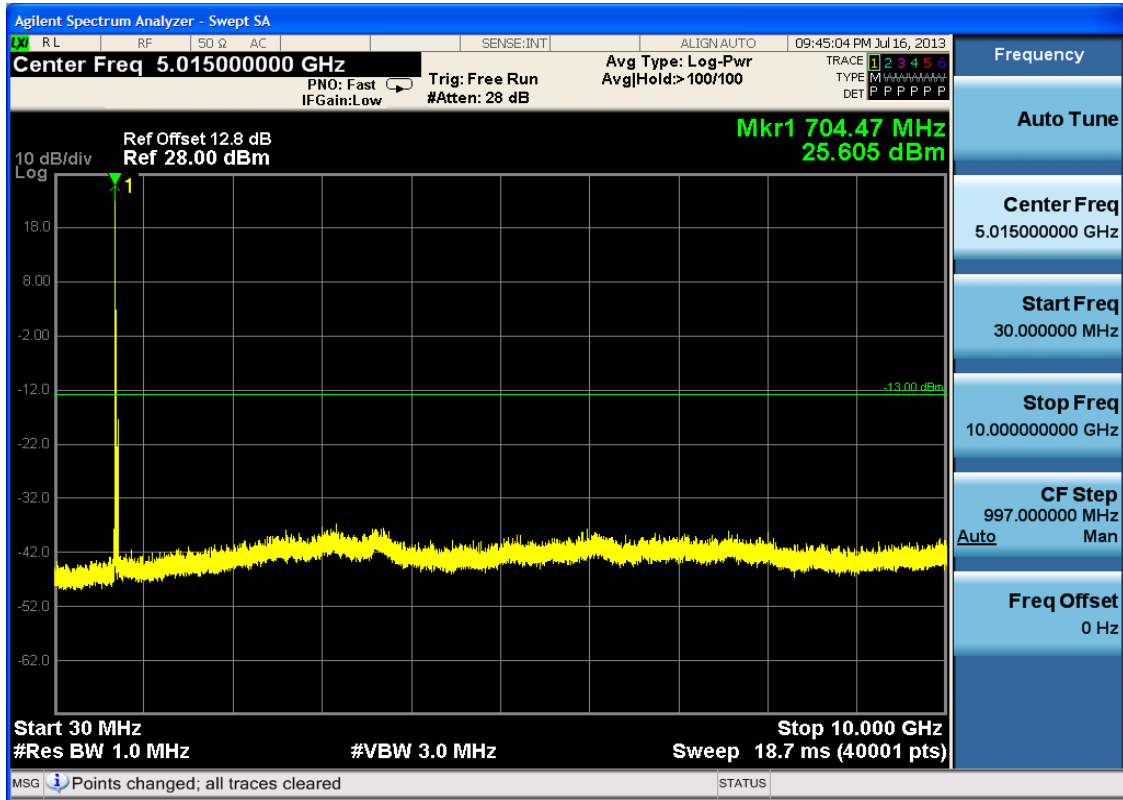
6.3.5.1.2 Test Bandwidth = 10

6.3.5.1.2.1 Test Channel = LCH

6.3.5.1.2.1.1 Test RB = RB1#0

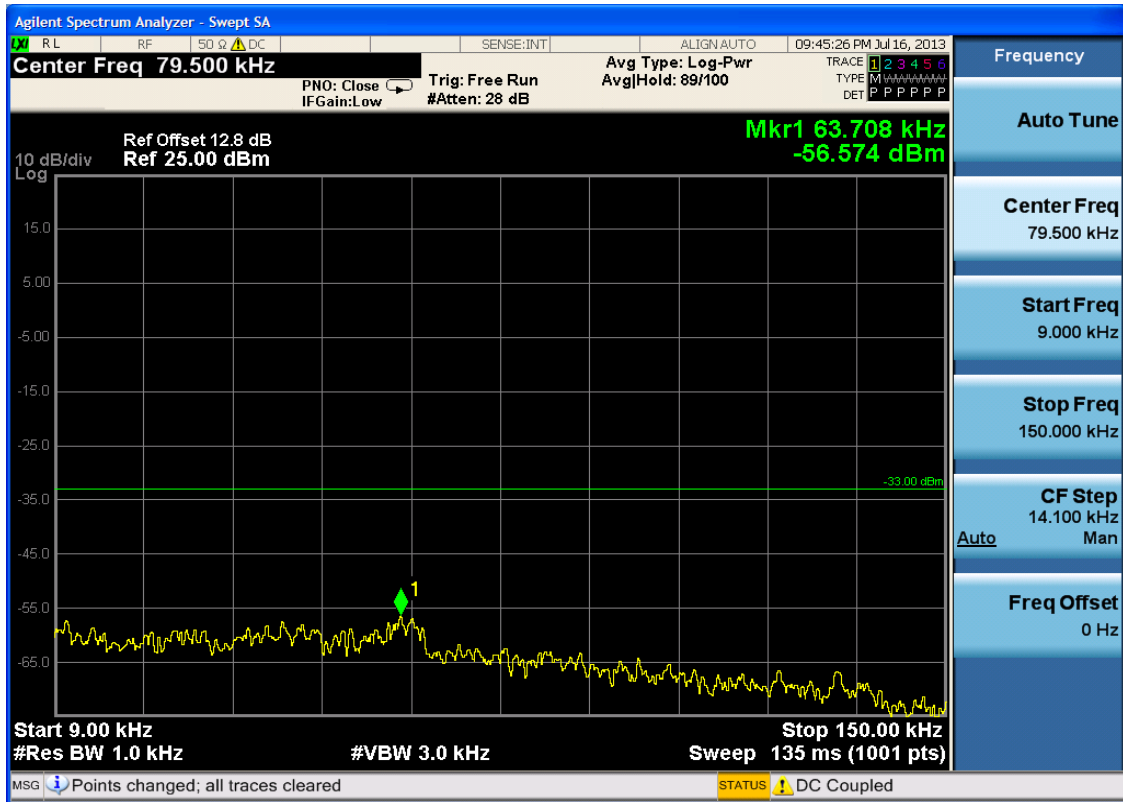


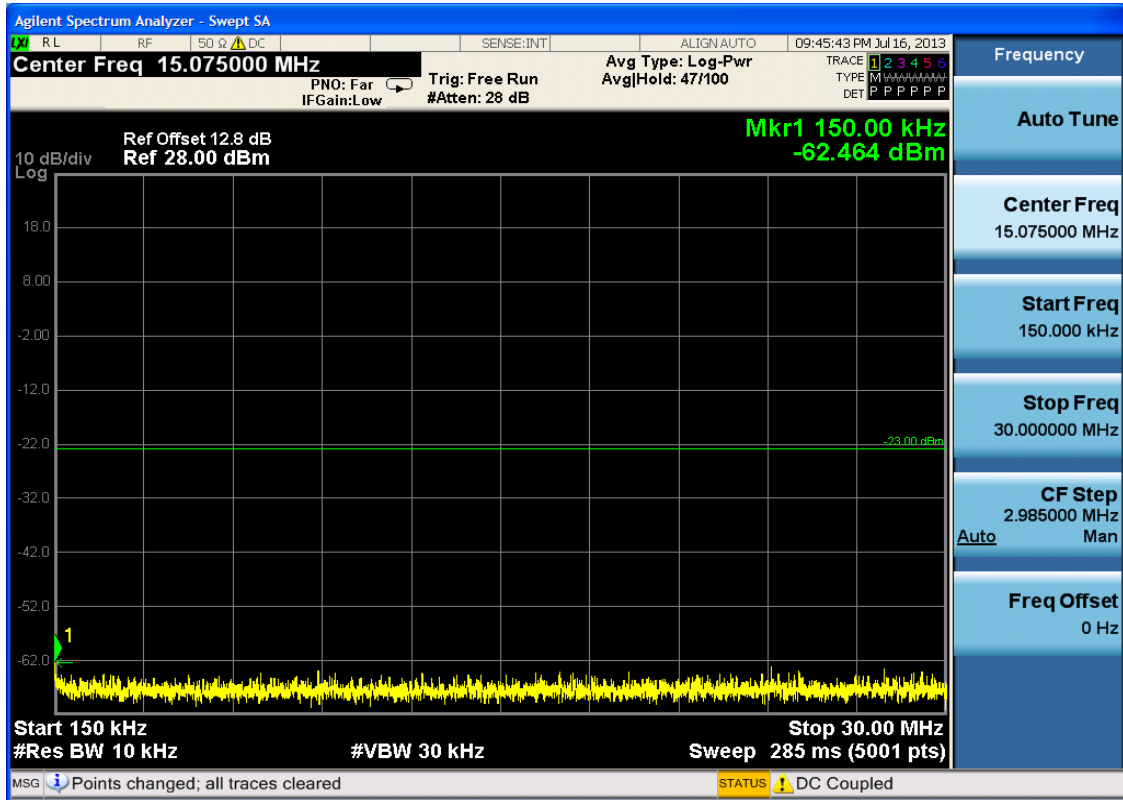


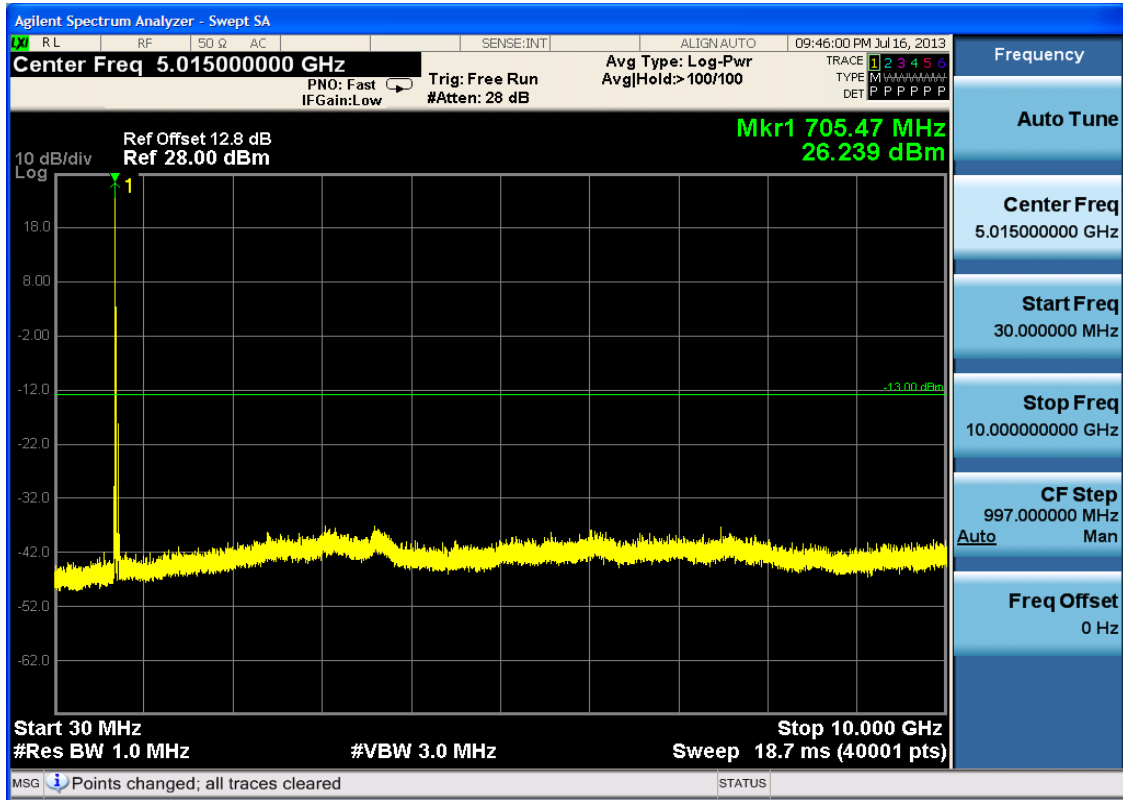


### 6.3.5.1.2.2 Test Channel = MCH

#### 6.3.5.1.2.2.1 Test RB = RB1#0



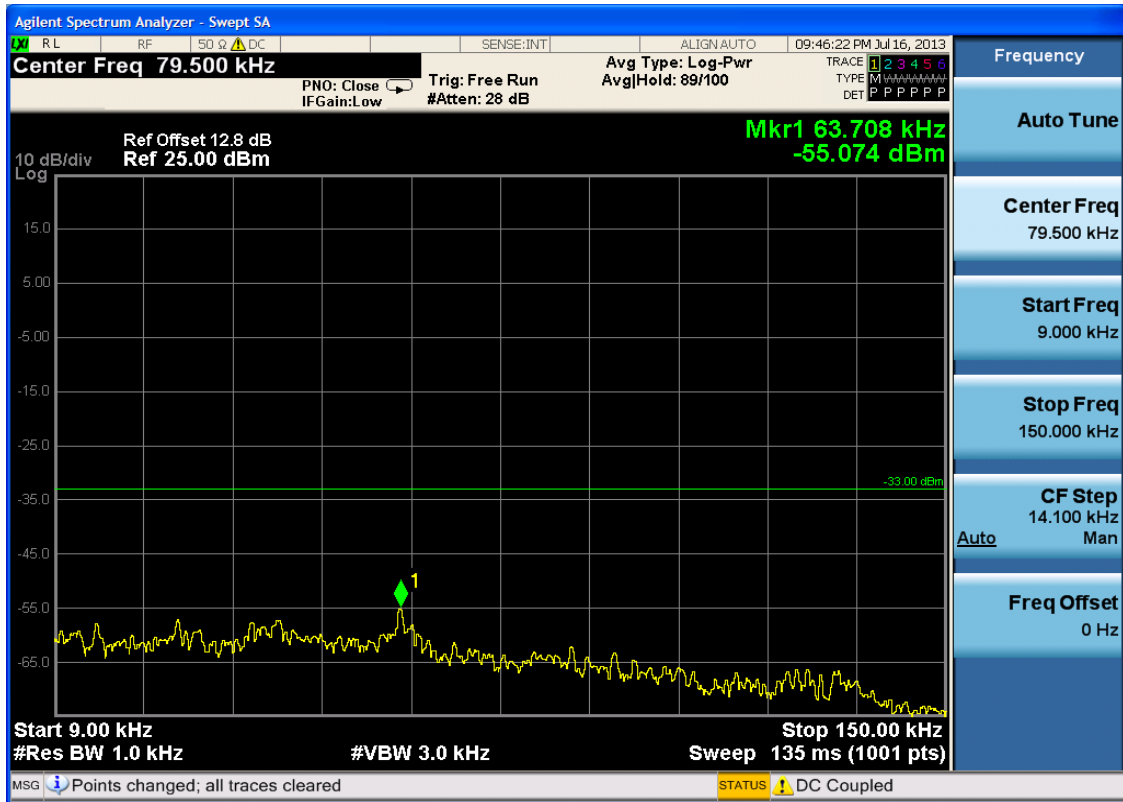


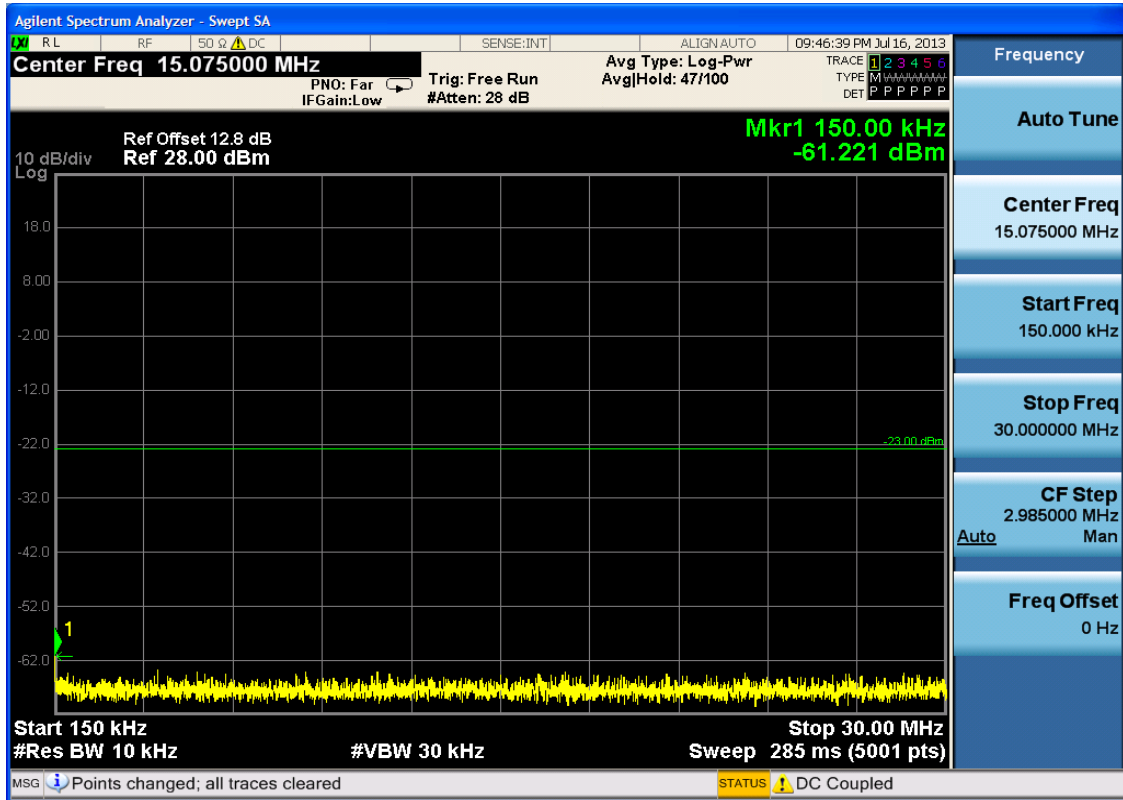




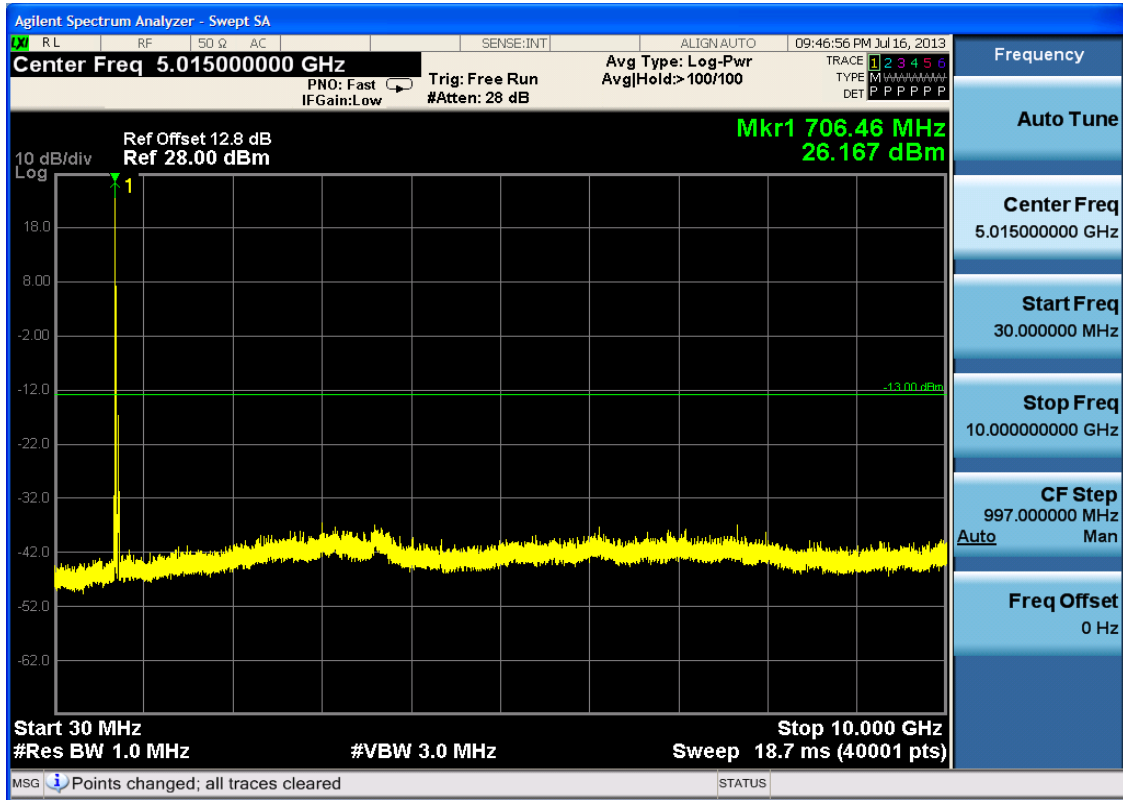
### 6.3.5.1.2.3 Test Channel = HCH

#### 6.3.5.1.2.3.1 Test RB = RB1#0









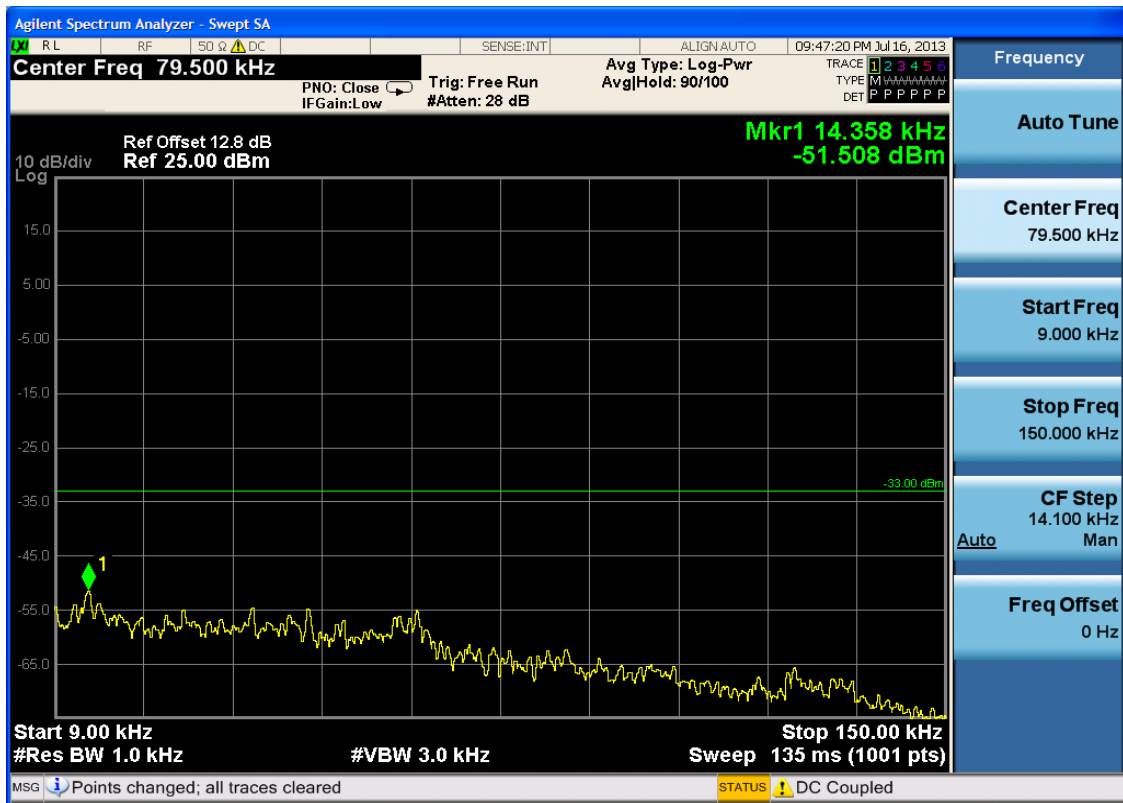


6.3.5.2 Test Mode = LTE/TM2

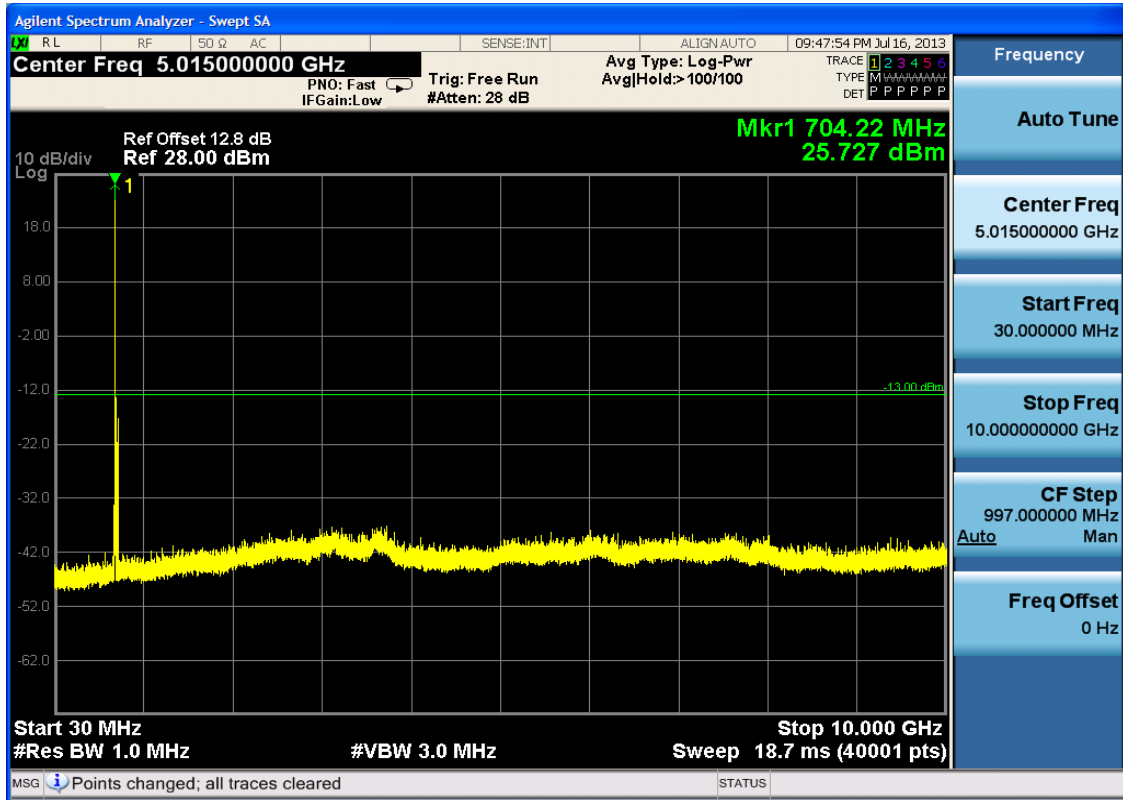
6.3.5.2.1 Test Bandwidth = 5

6.3.5.2.1.1 Test Channel = LCH

6.3.5.2.1.1.1 Test RB = RB1#0



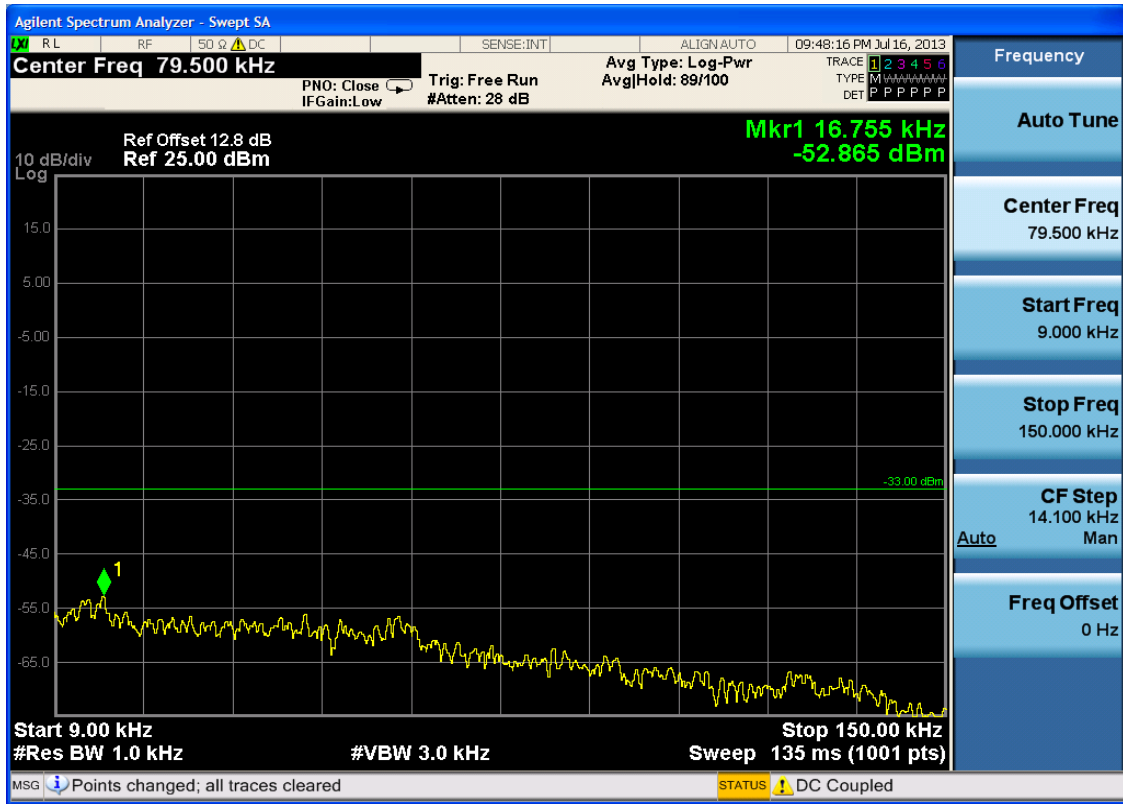


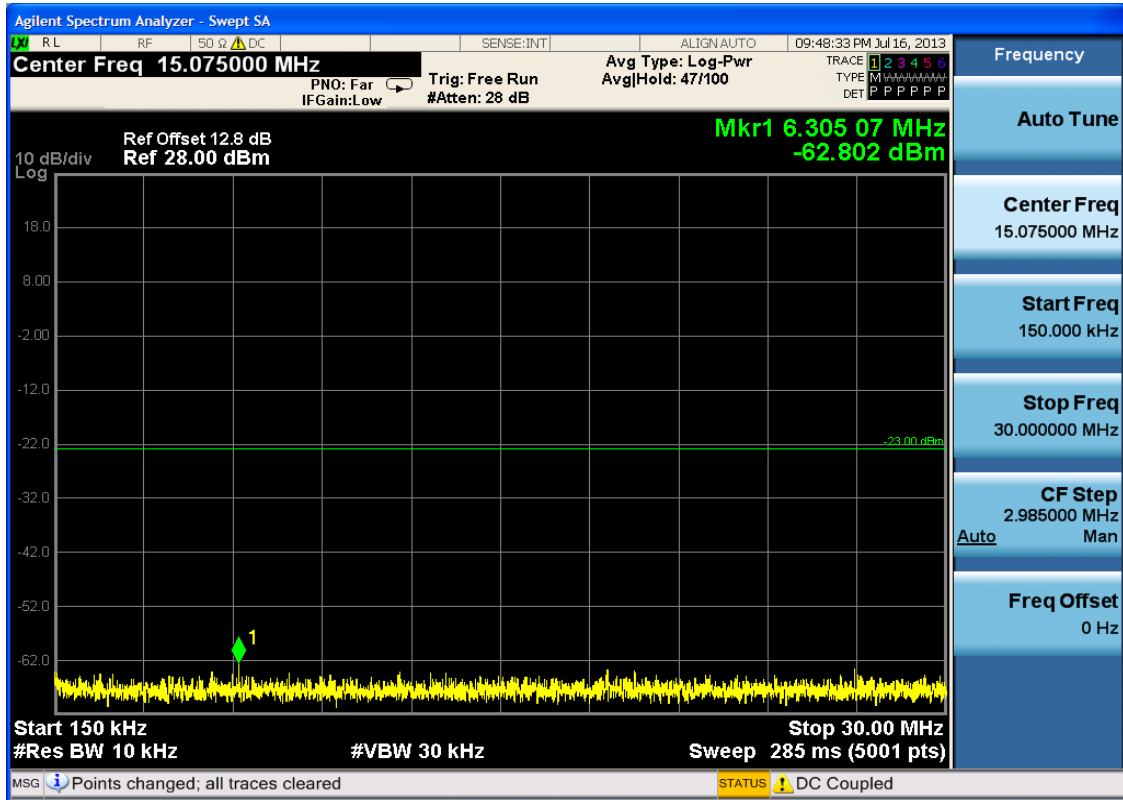


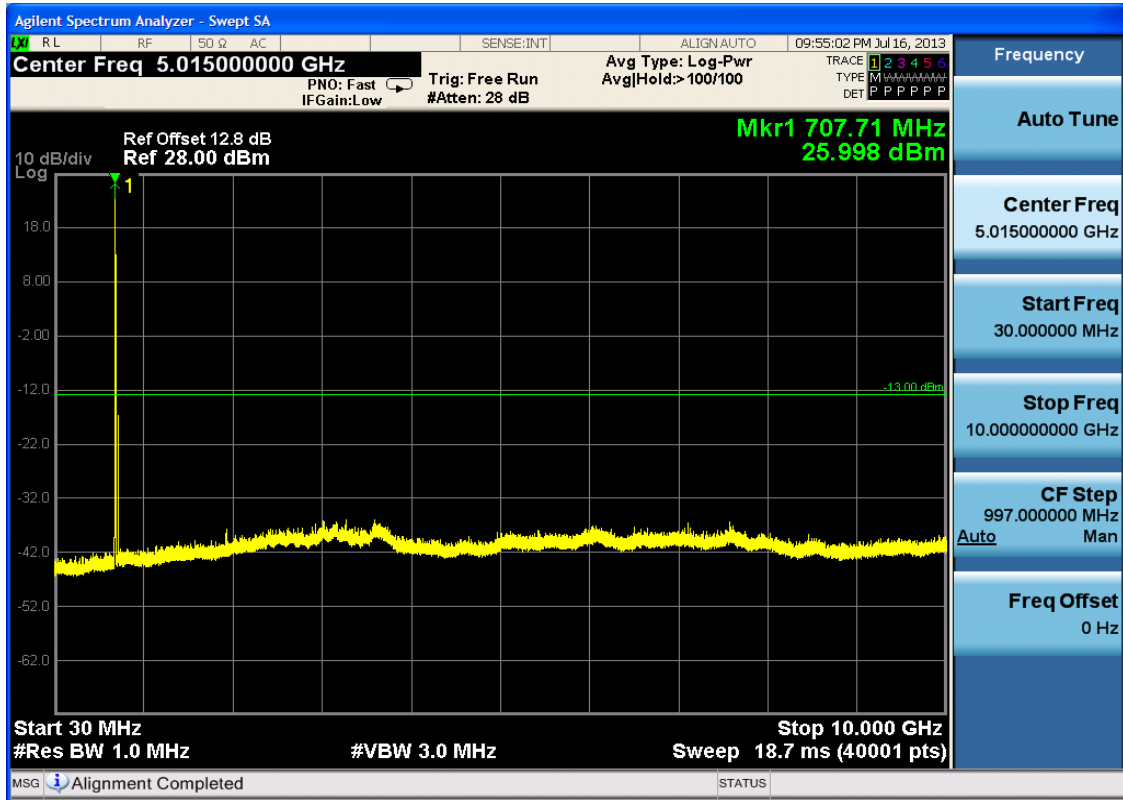


### 6.3.5.2.1.2 Test Channel = MCH

#### 6.3.5.2.1.2.1 Test RB = RB1#0

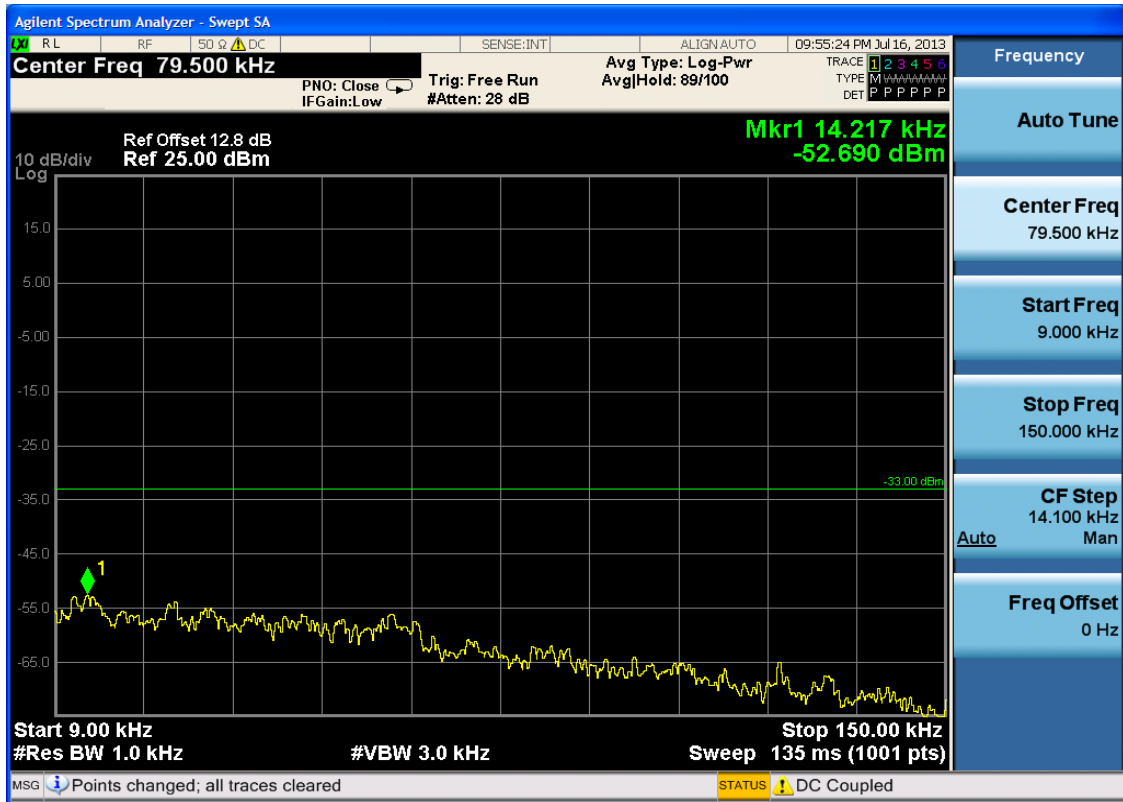




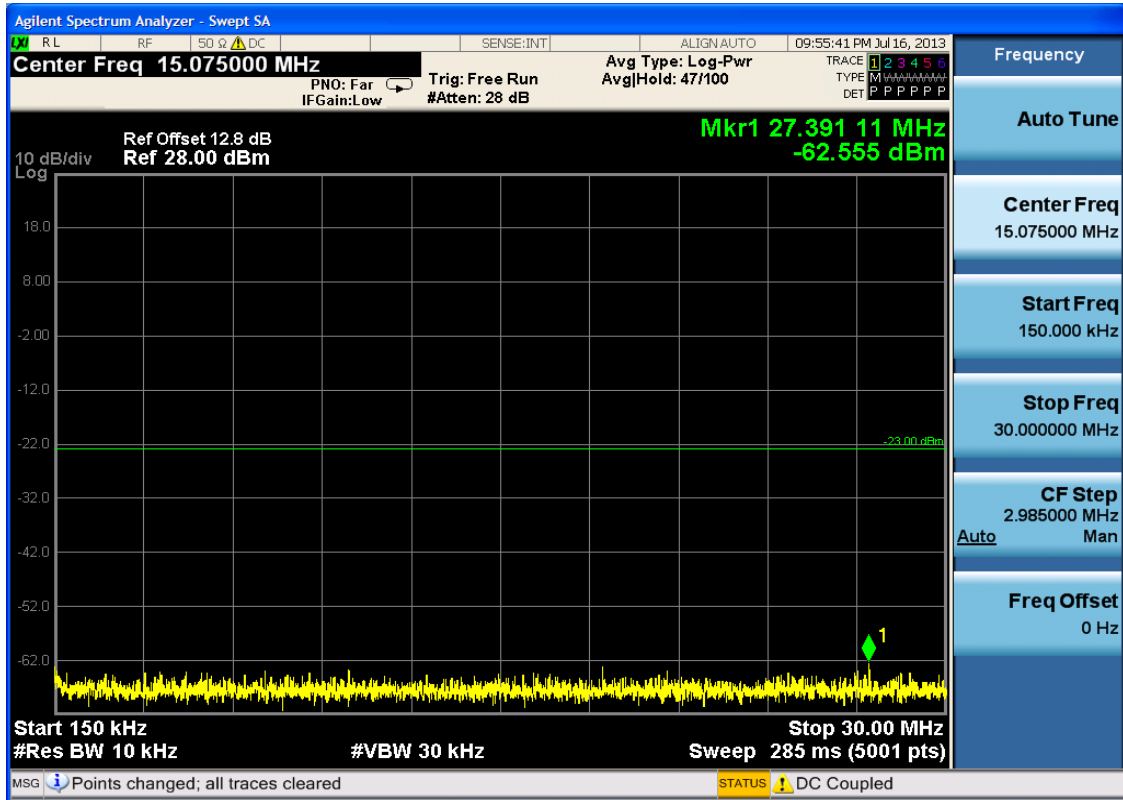


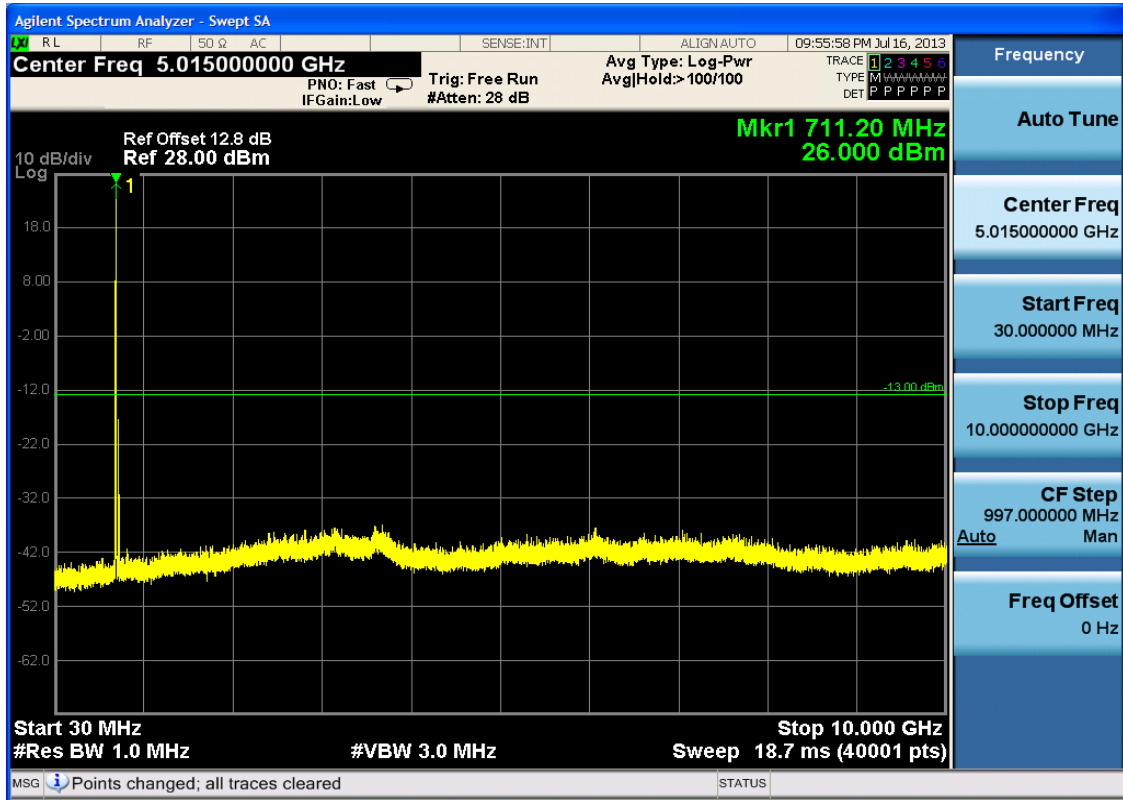
### 6.3.5.2.1.3 Test Channel = HCH

#### 6.3.5.2.1.3.1 Test RB = RB1#0





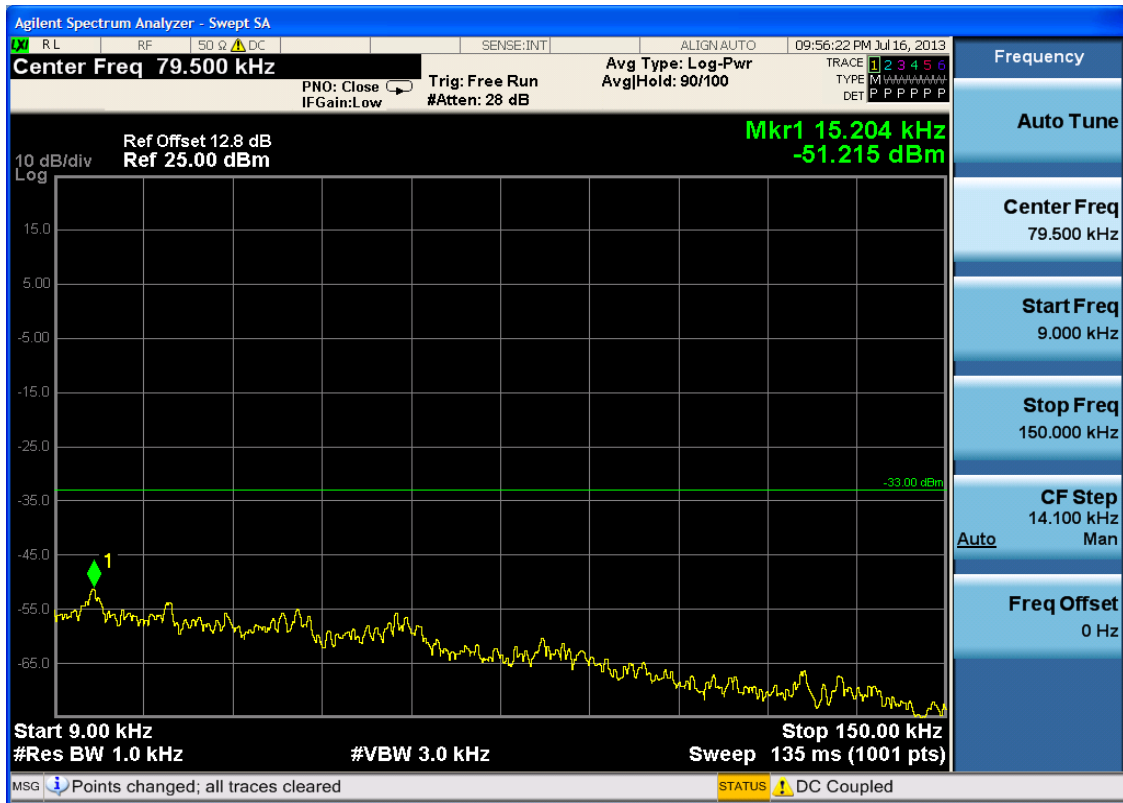


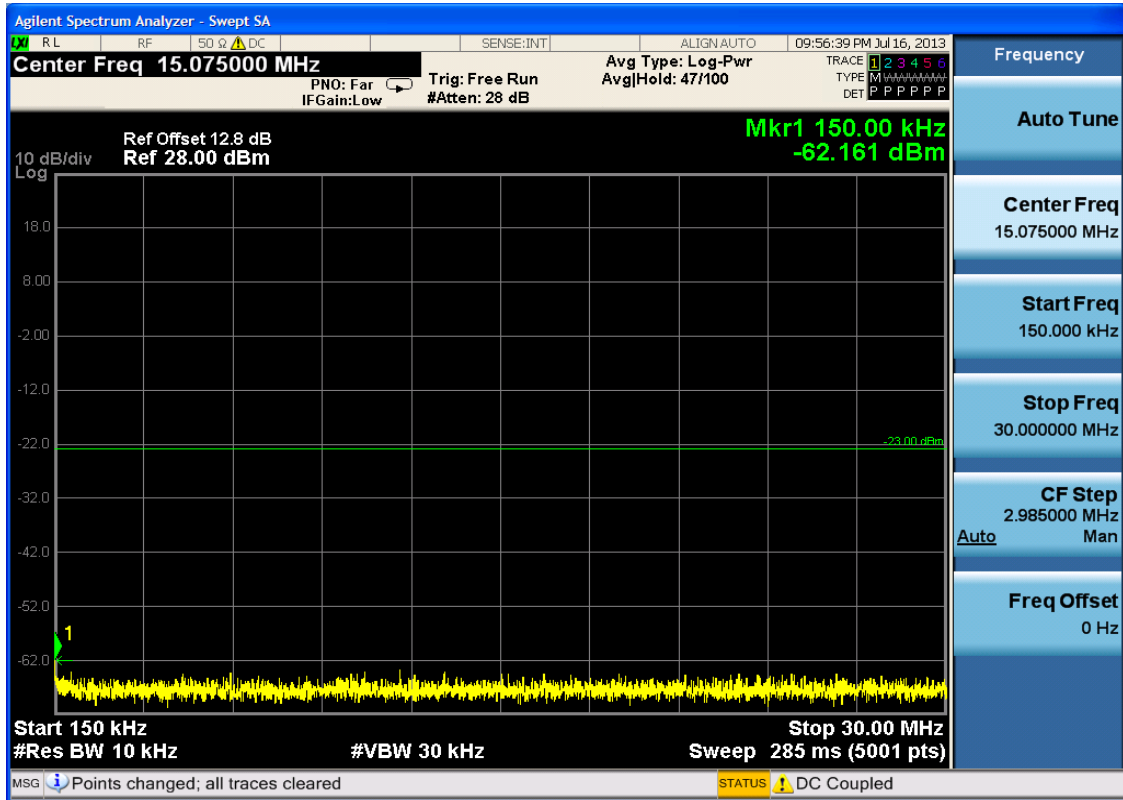


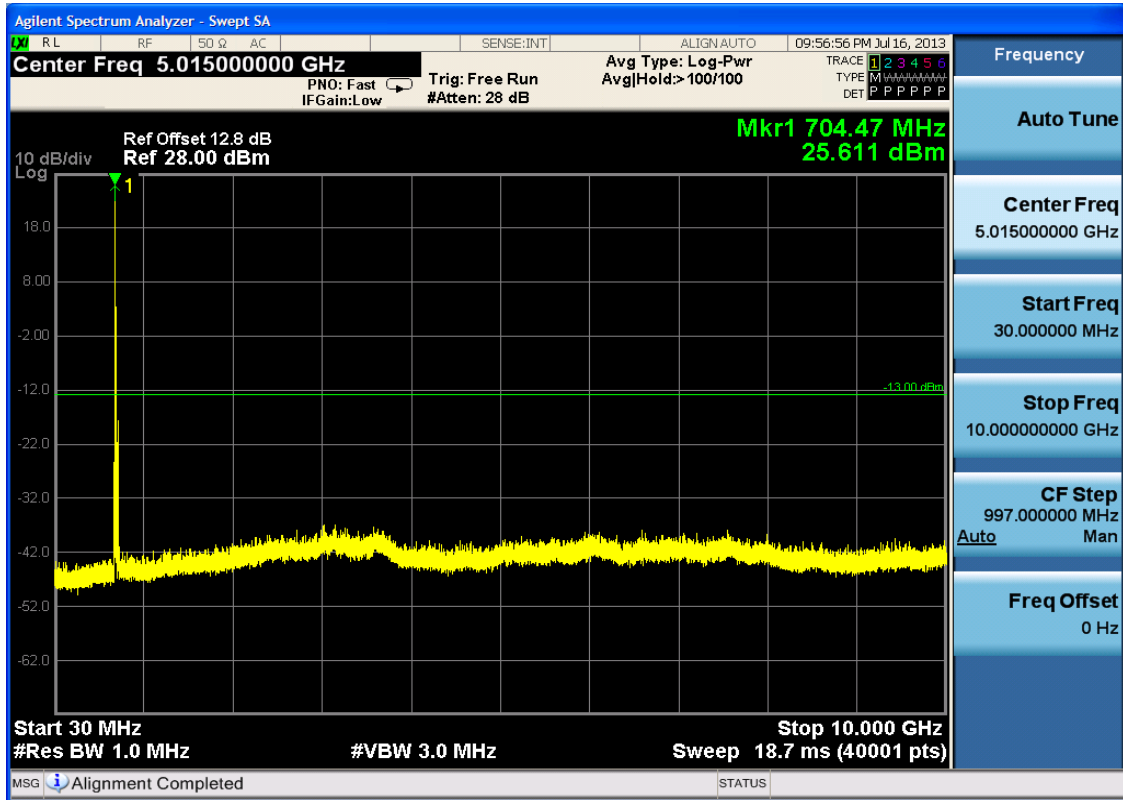
### 6.3.5.2.2 Test Bandwidth = 10

#### 6.3.5.2.2.1 Test Channel = LCH

##### 6.3.5.2.2.1.1 Test RB = RB1#0



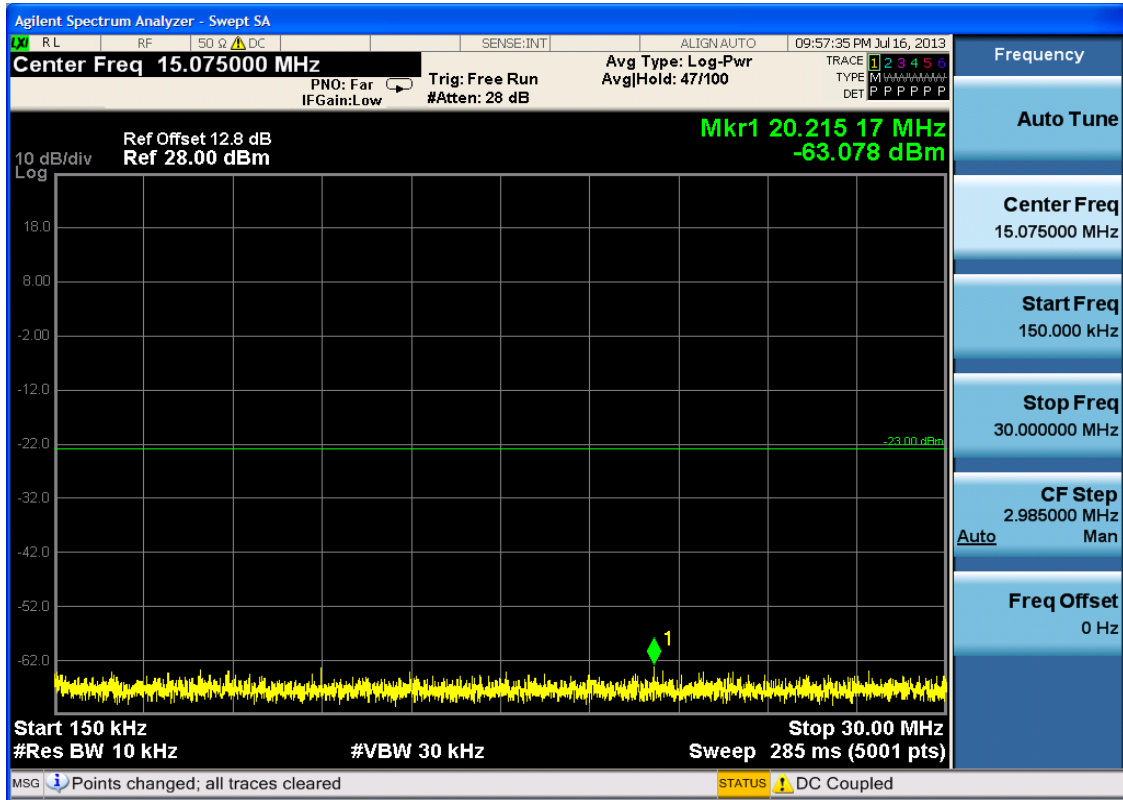


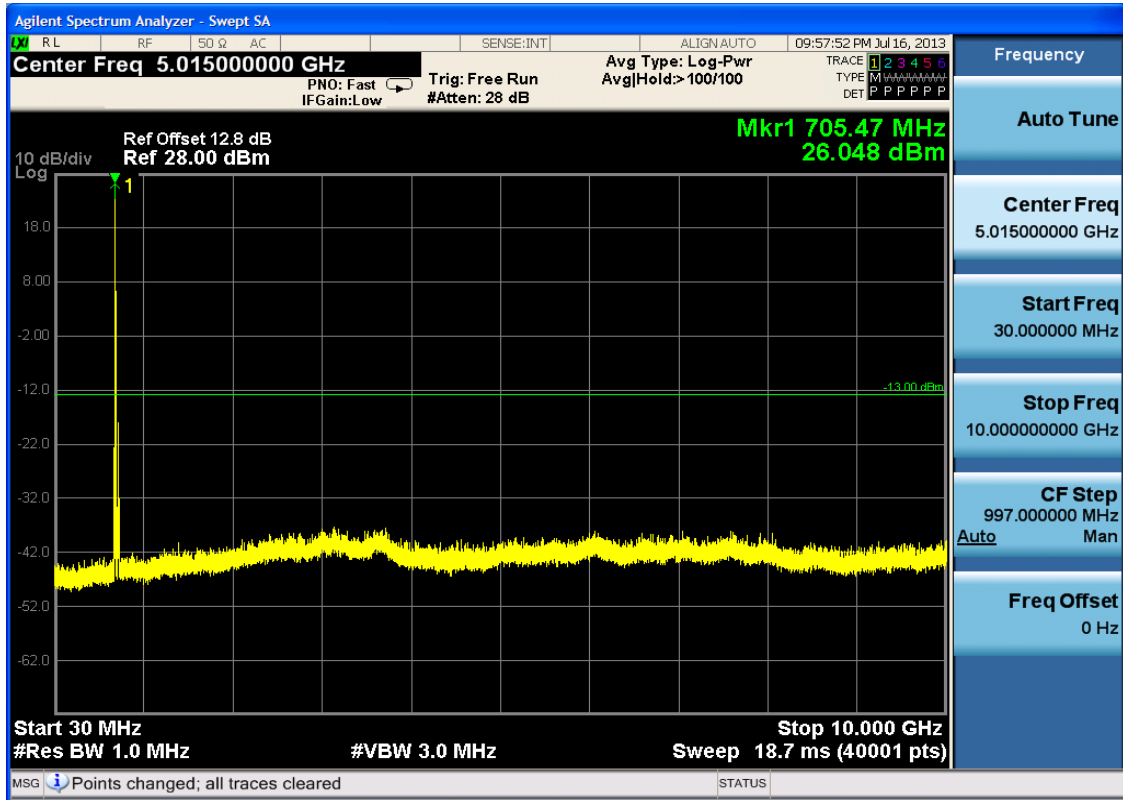


### 6.3.5.2.2.2 Test Channel = MCH

#### 6.3.5.2.2.2.1 Test RB = RB1#0



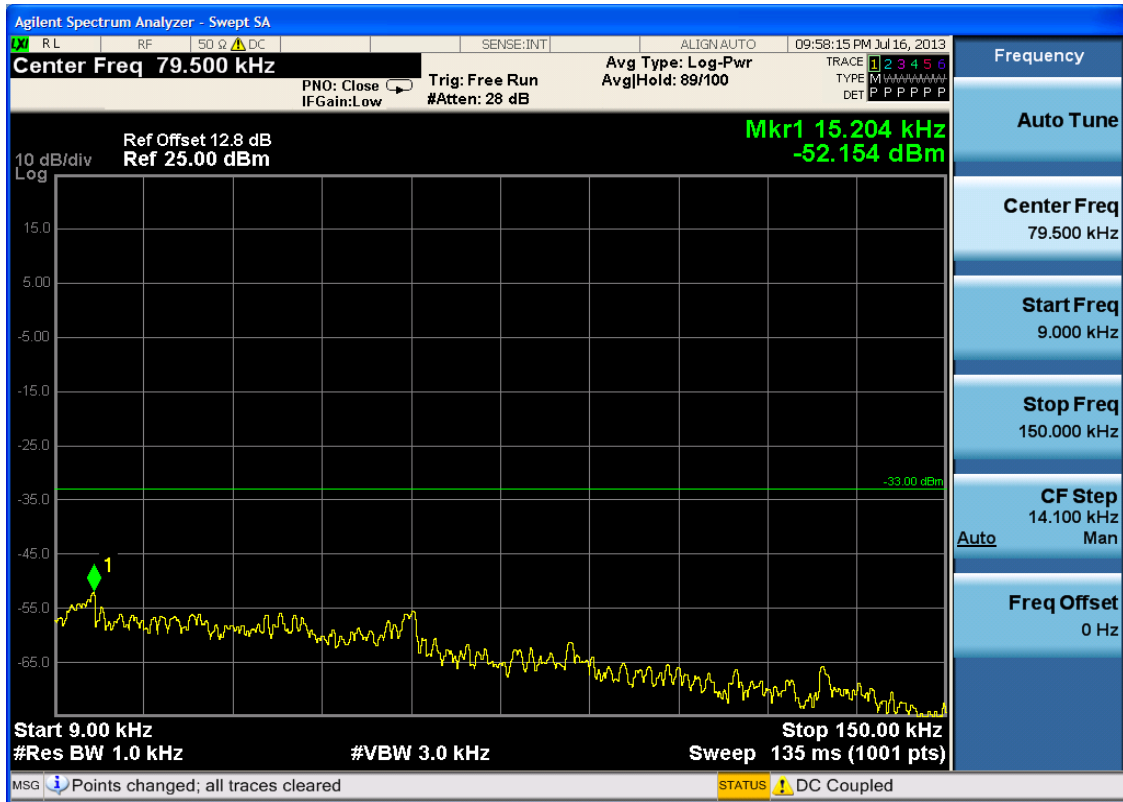


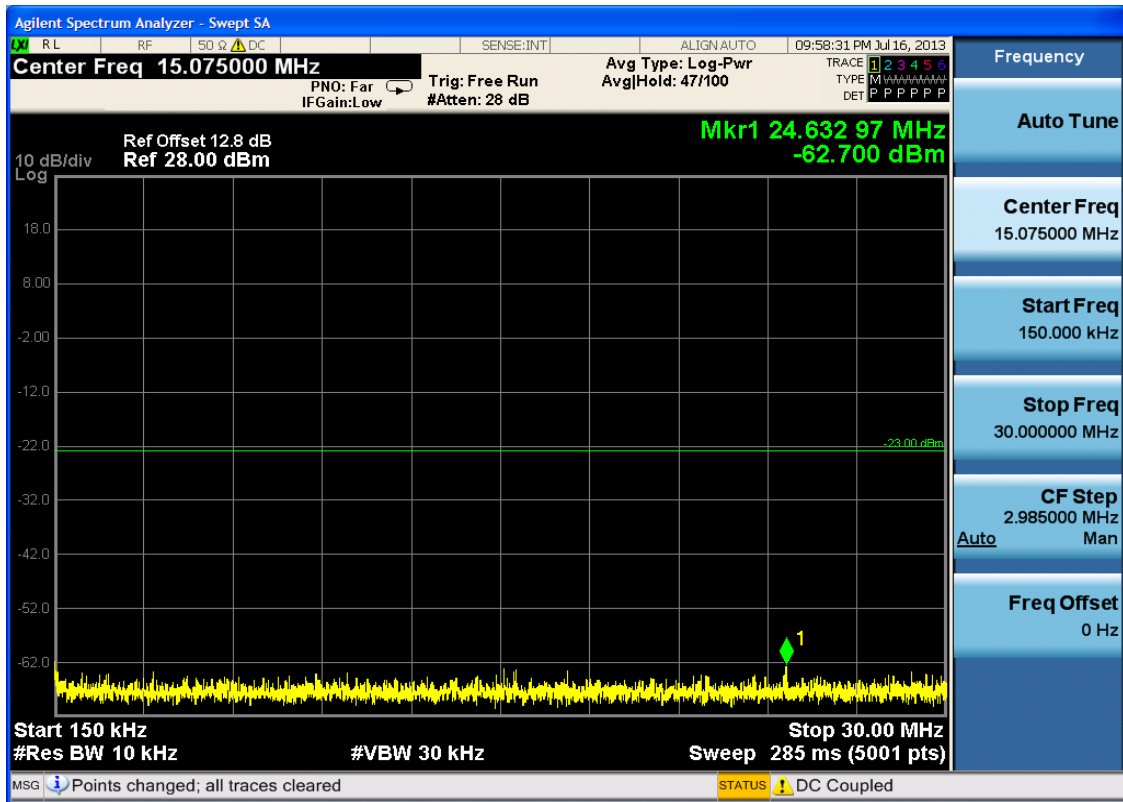


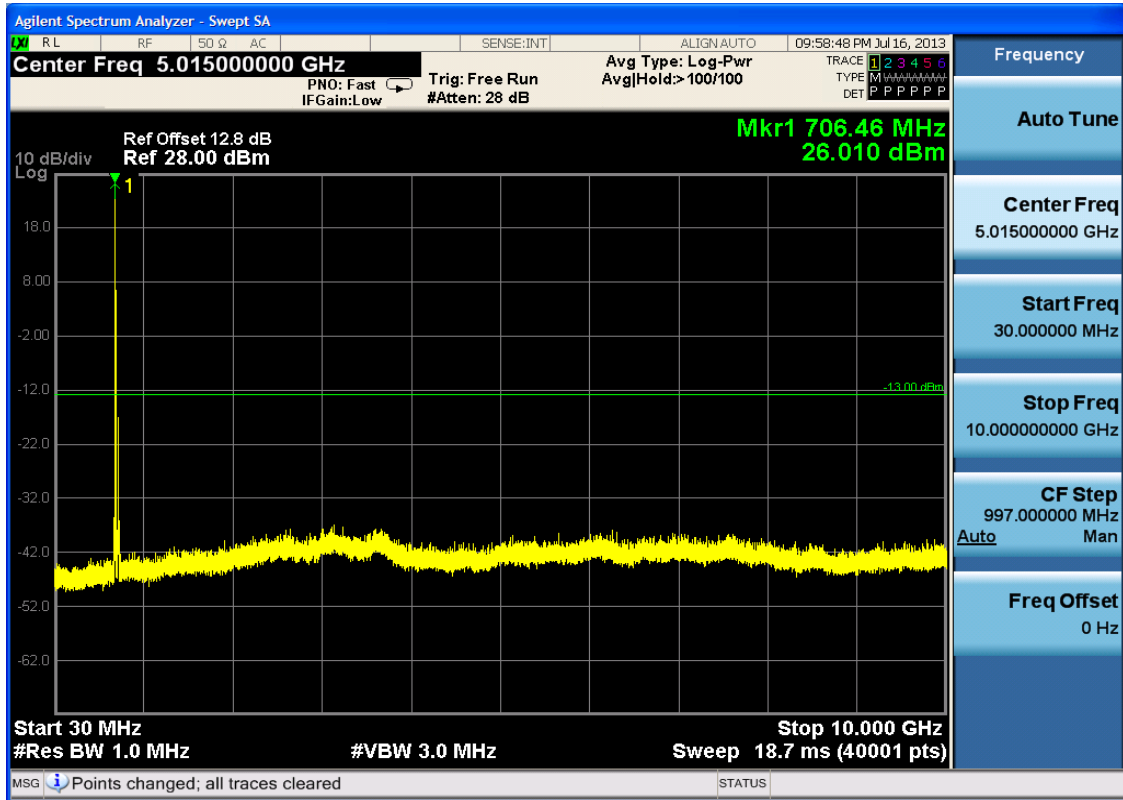


### 6.3.5.2.2.3 Test Channel = HCH

#### 6.3.5.2.2.3.1 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

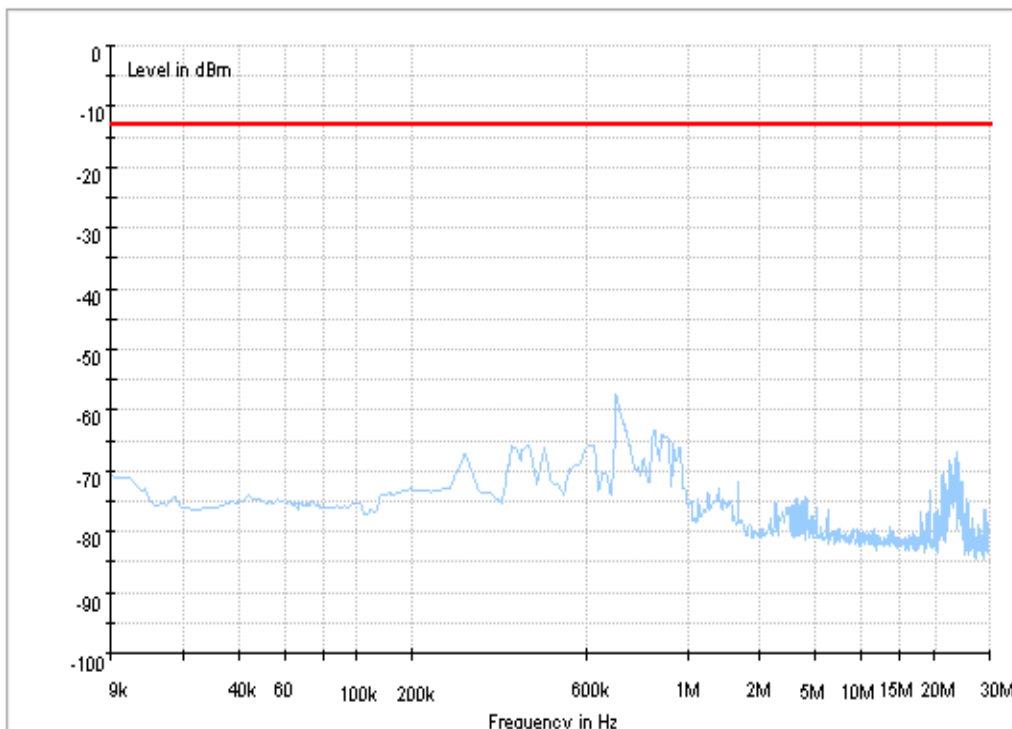
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

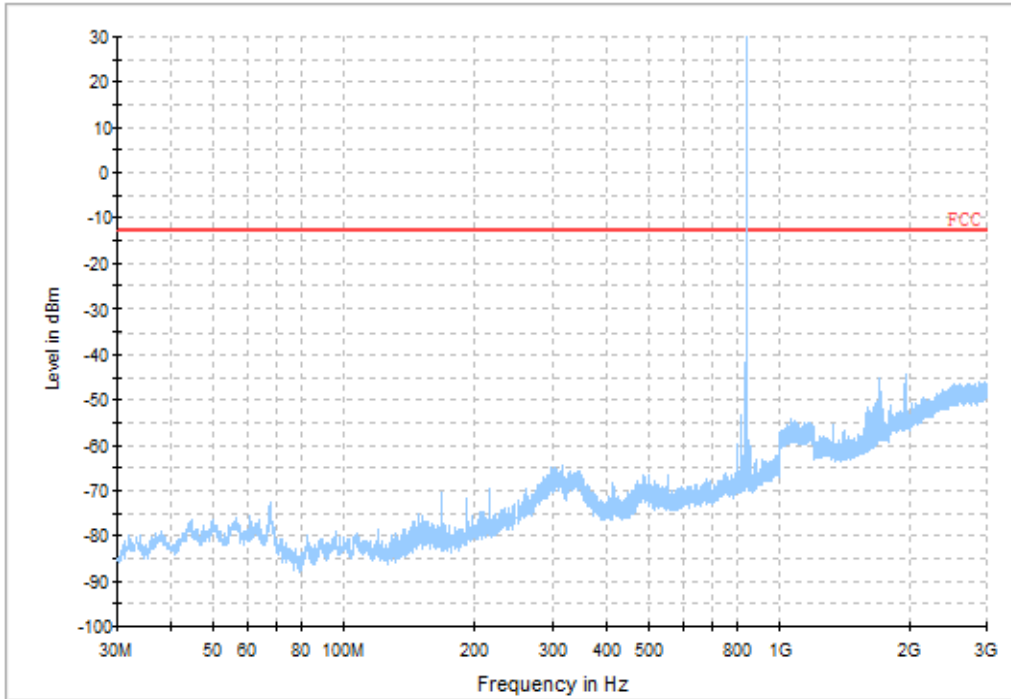
#### 7.1 For GSM

##### 7.1.1 Test Band = GSM850

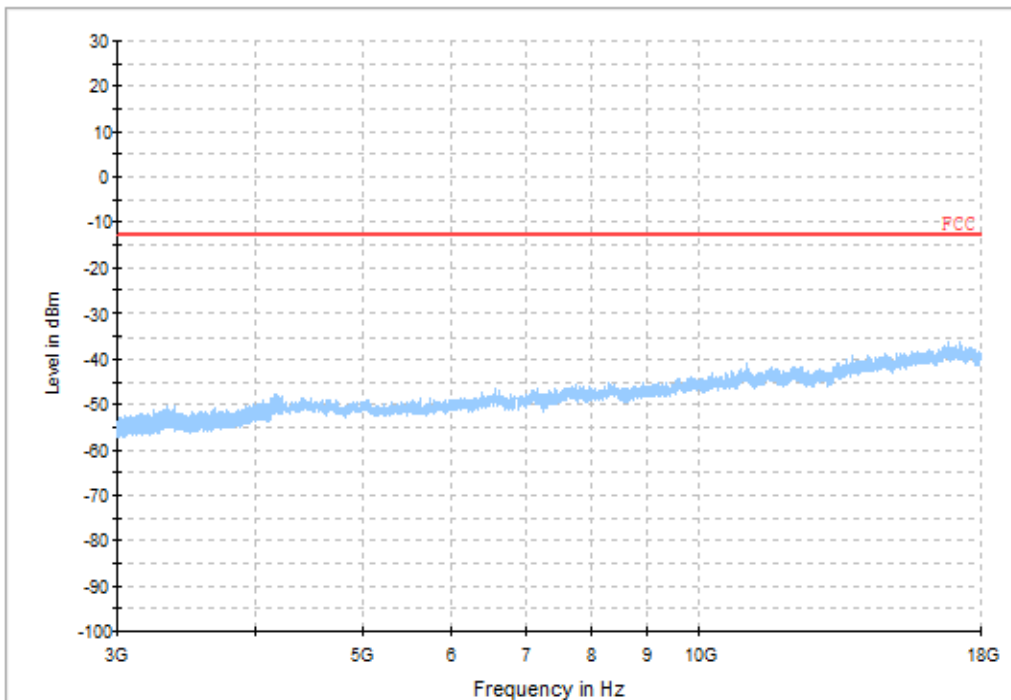
##### 7.1.1.1 Test Mode = GSM/TM1



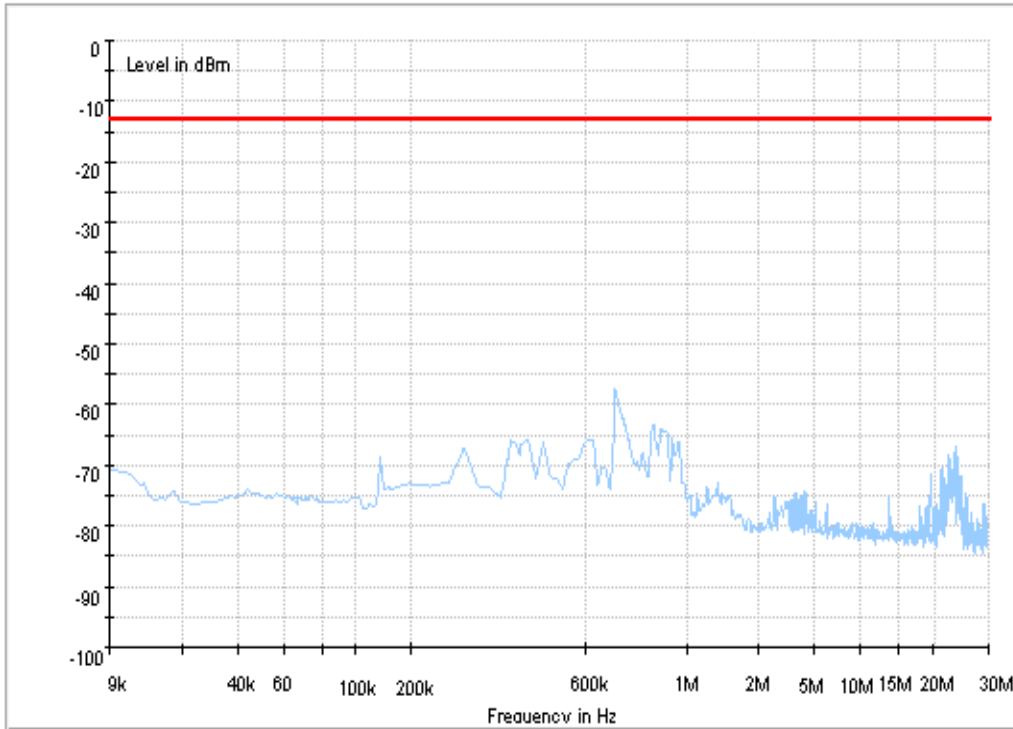
Copy of FCC PART22 GSM850\_L



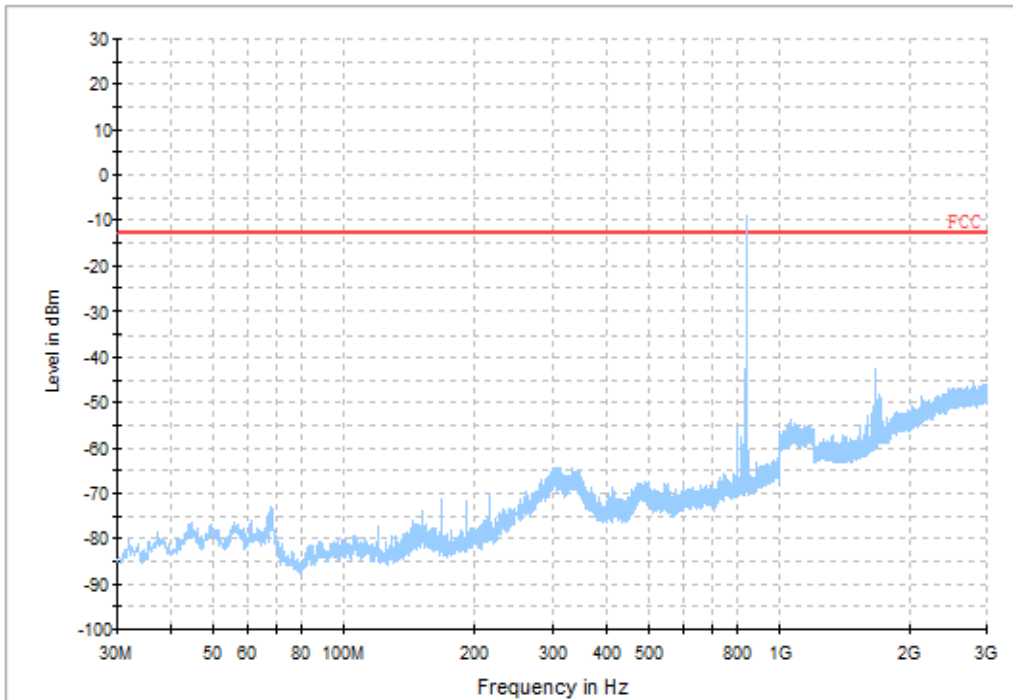
Copy of FCC PART22 GSM850\_H



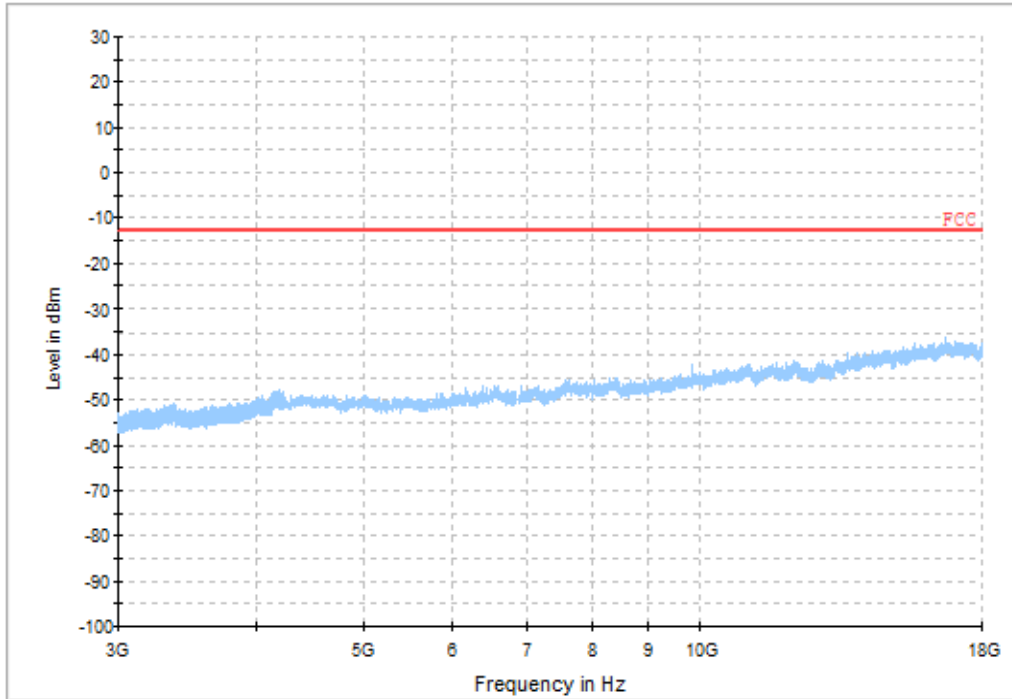
### 7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850\_L

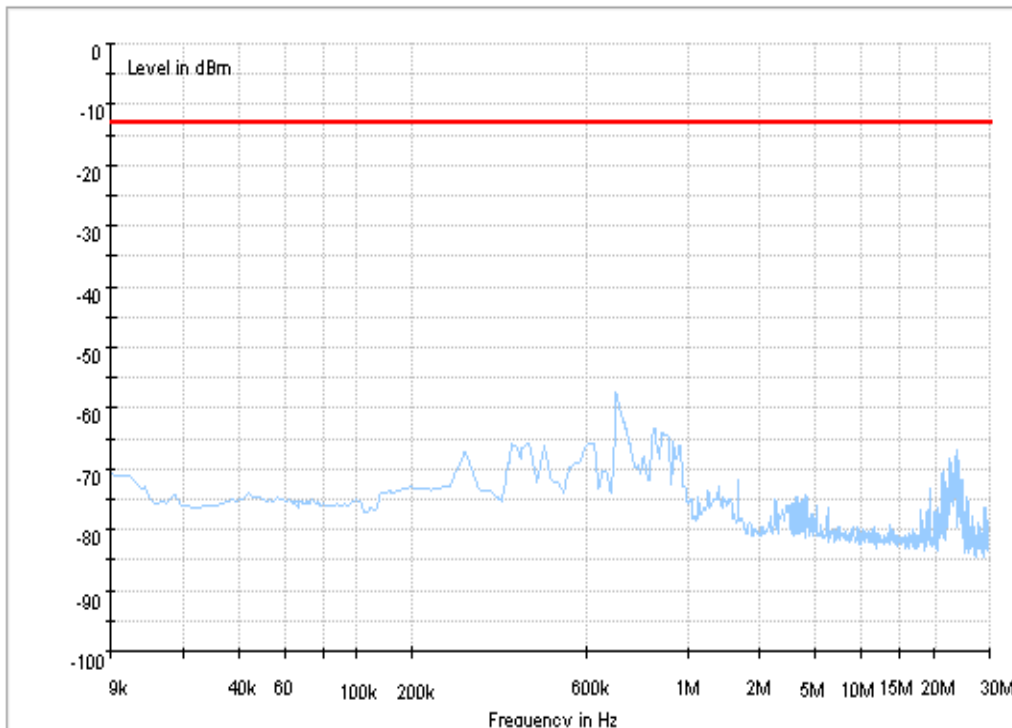


Copy of FCC PART22 GSM850\_H

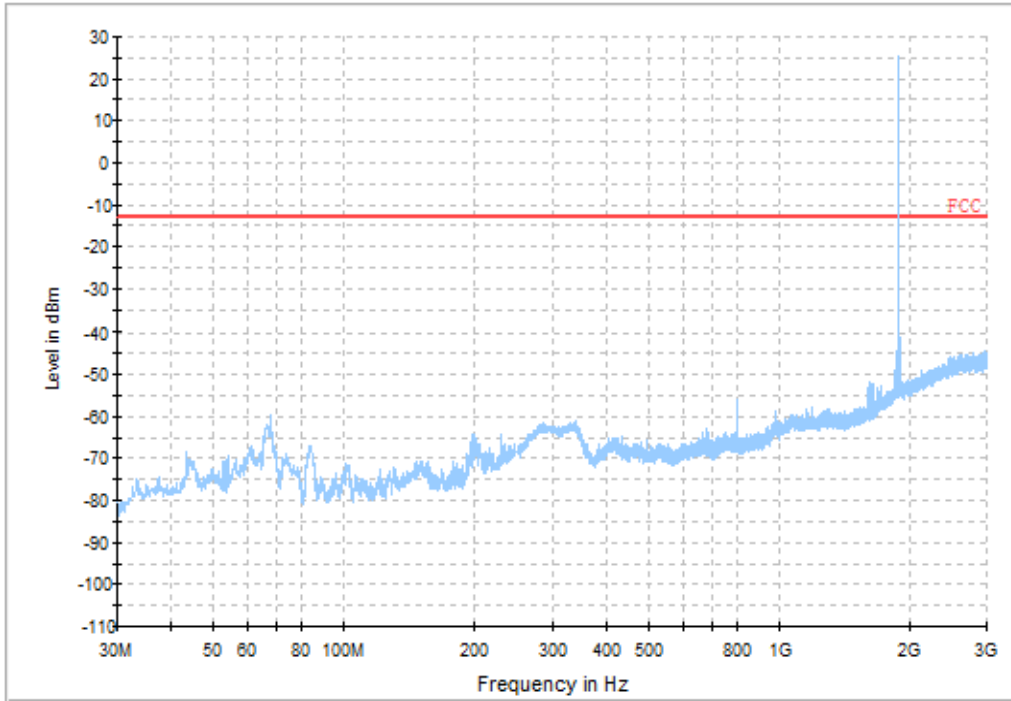


### 7.1.2 Test Band = GSM1900

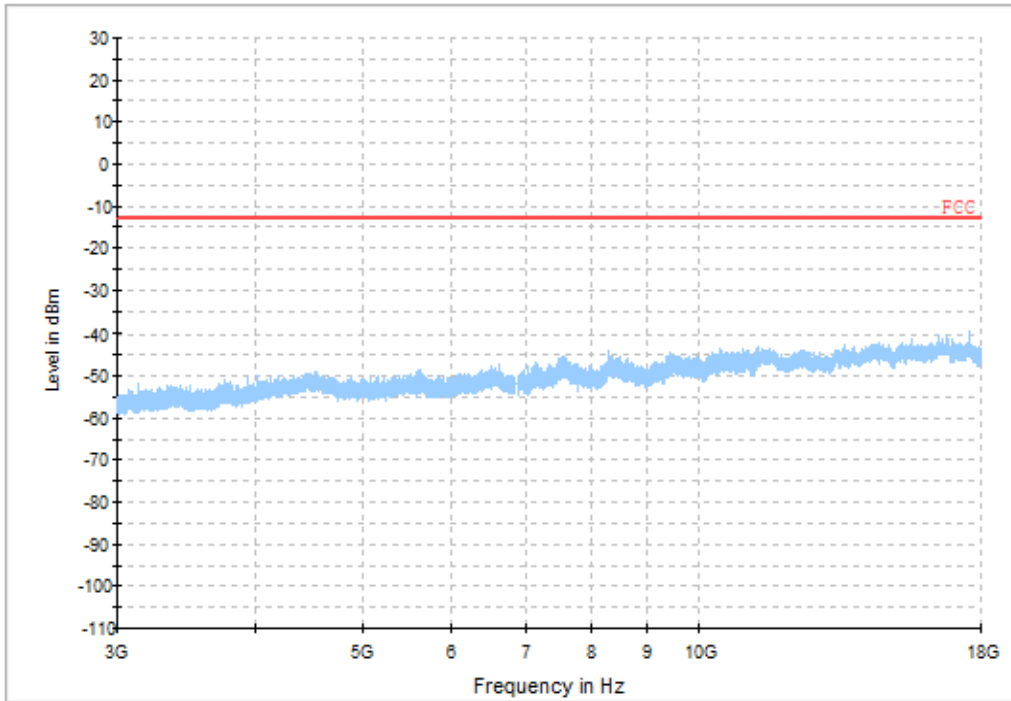
#### 7.1.2.1 Test Mode = GSM/TM1



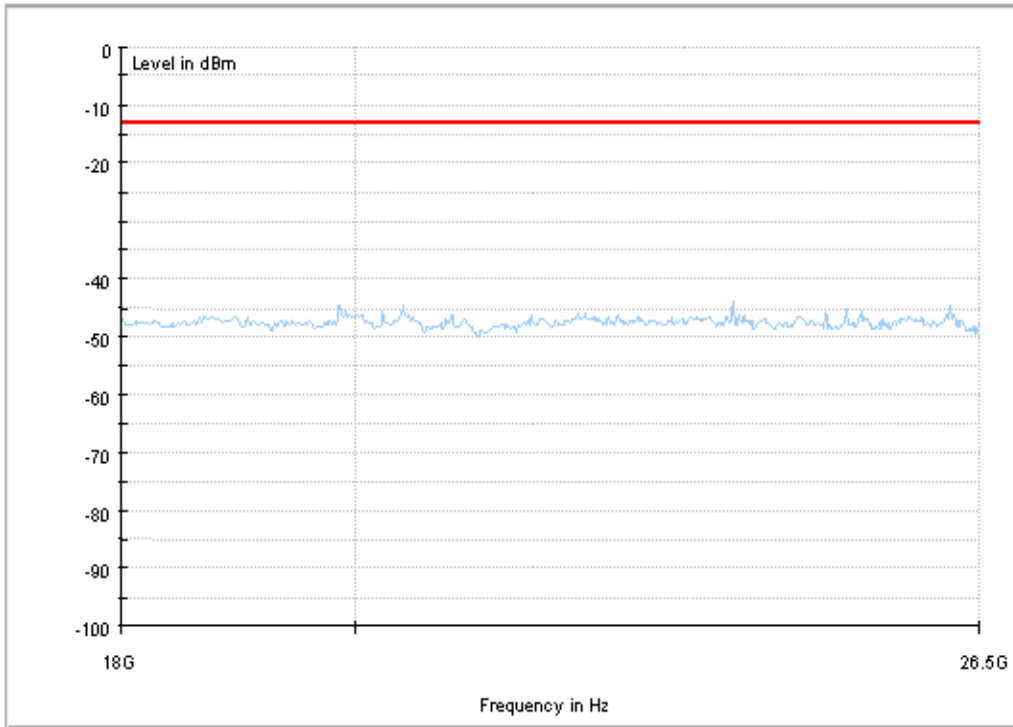
Copy of FCC PART24 GSM1900\_L



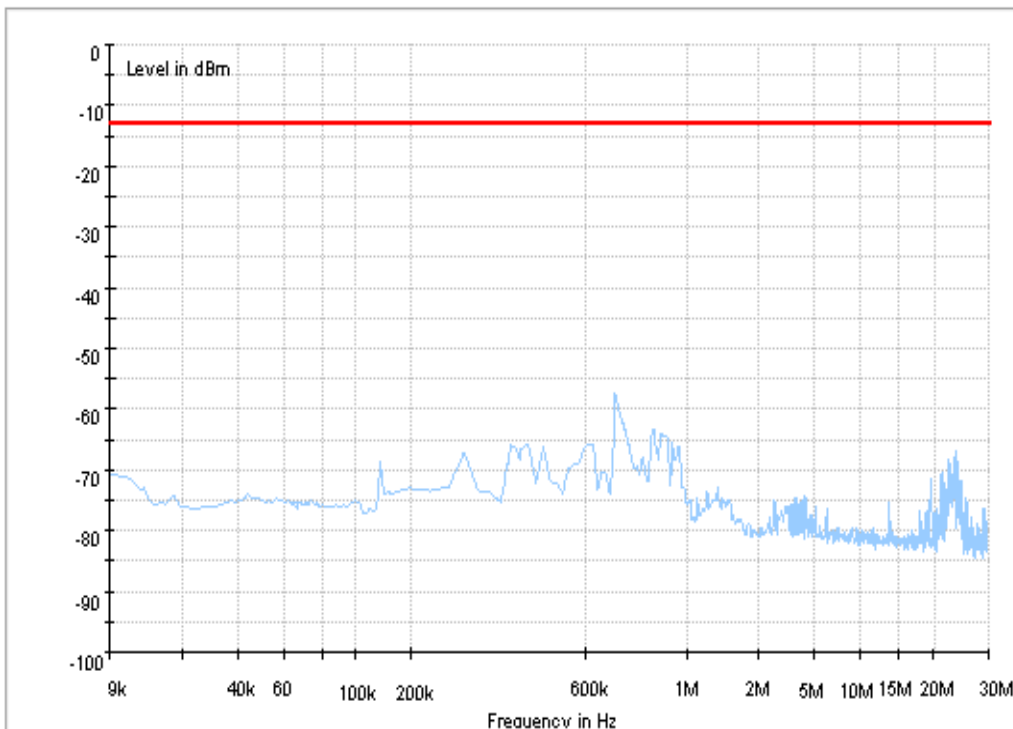
Copy of FCC PART24 GSM1900\_H



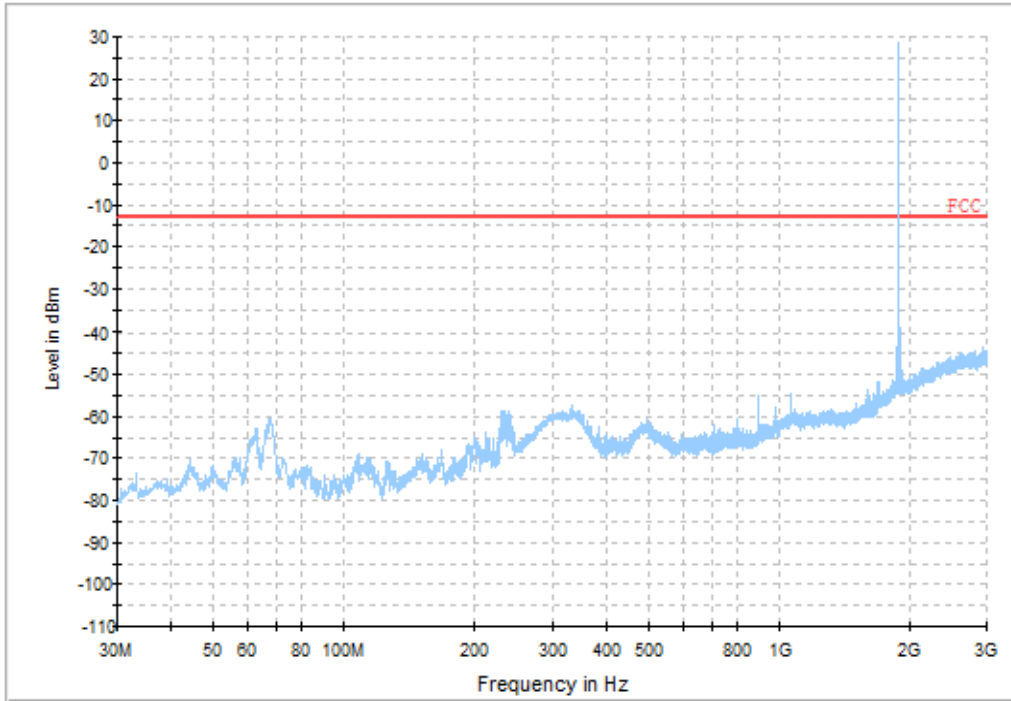




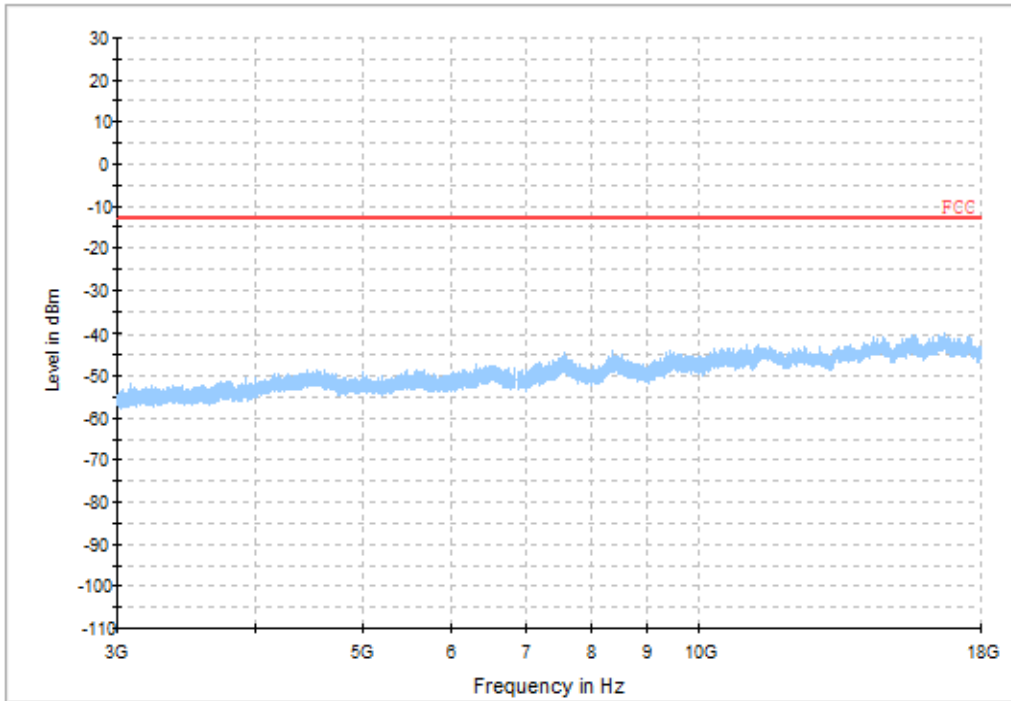
### 7.1.2.2 Test Mode = GSM/TM2

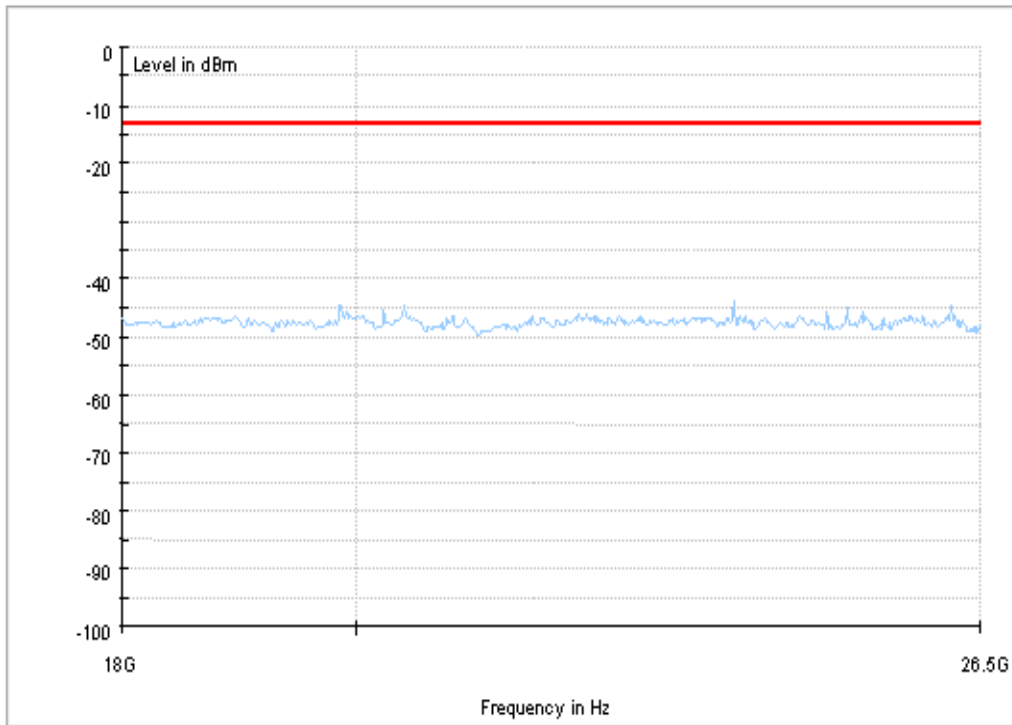


Copy of FCC PART24 GSM1900\_L



Copy of FCC PART24 GSM1900\_H

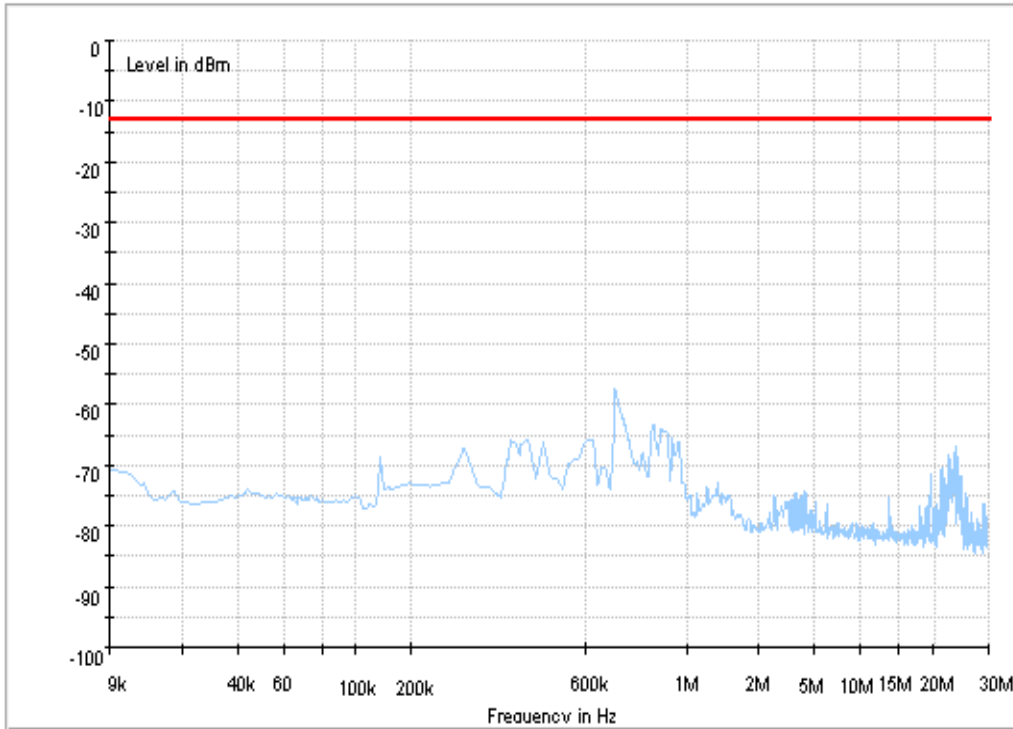




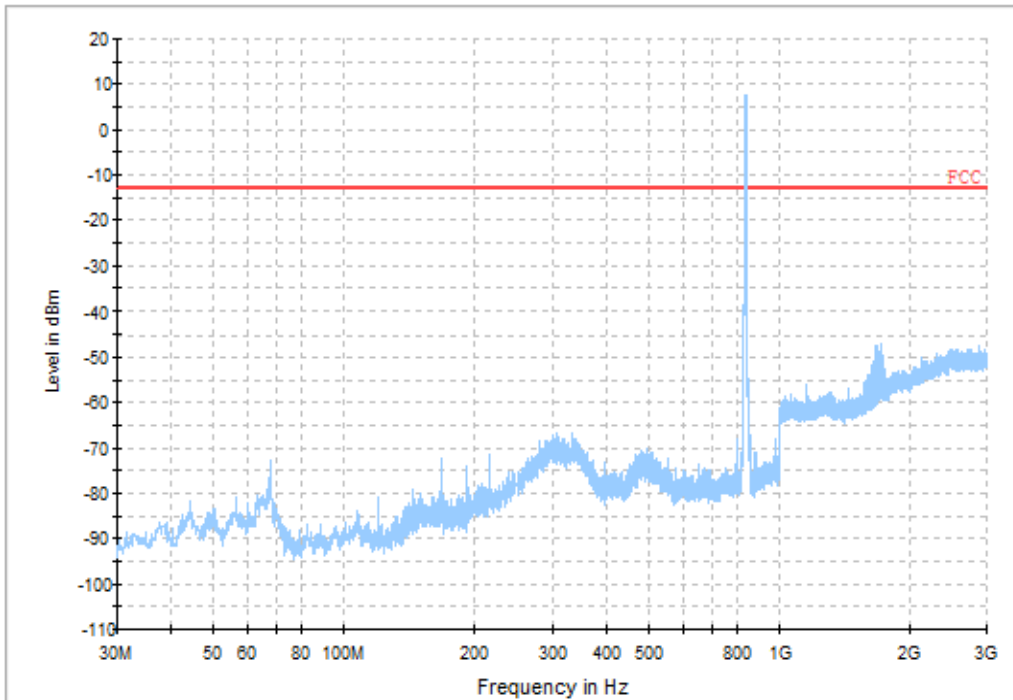
## 7.2 For UMTS

### 7.2.1 Test Band = WCDMA850

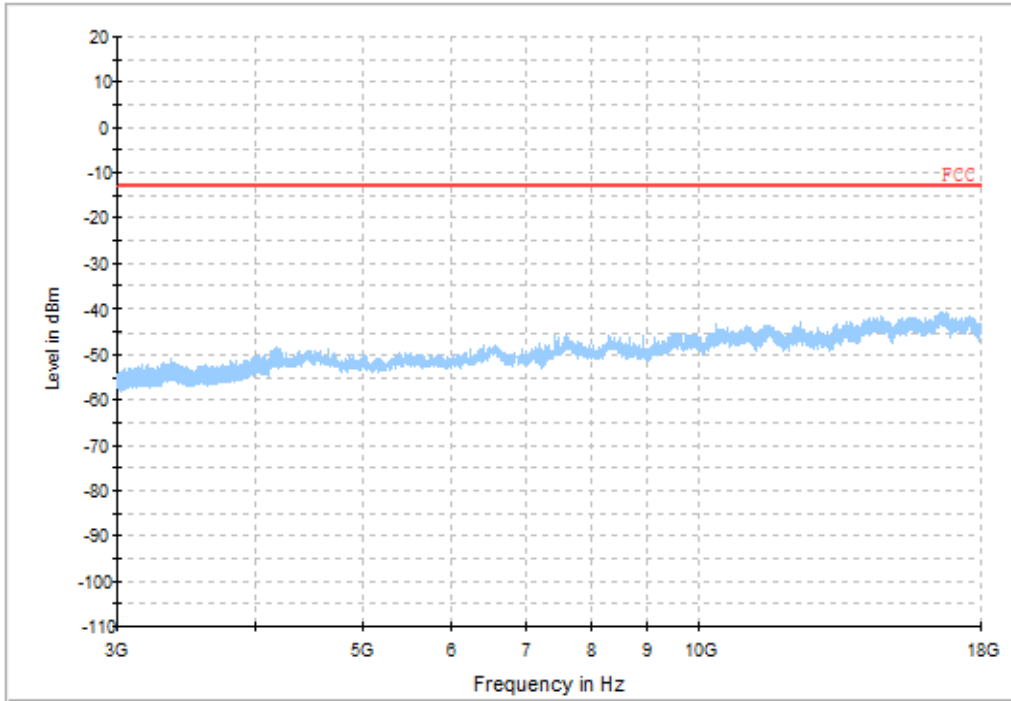
#### 7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850\_L

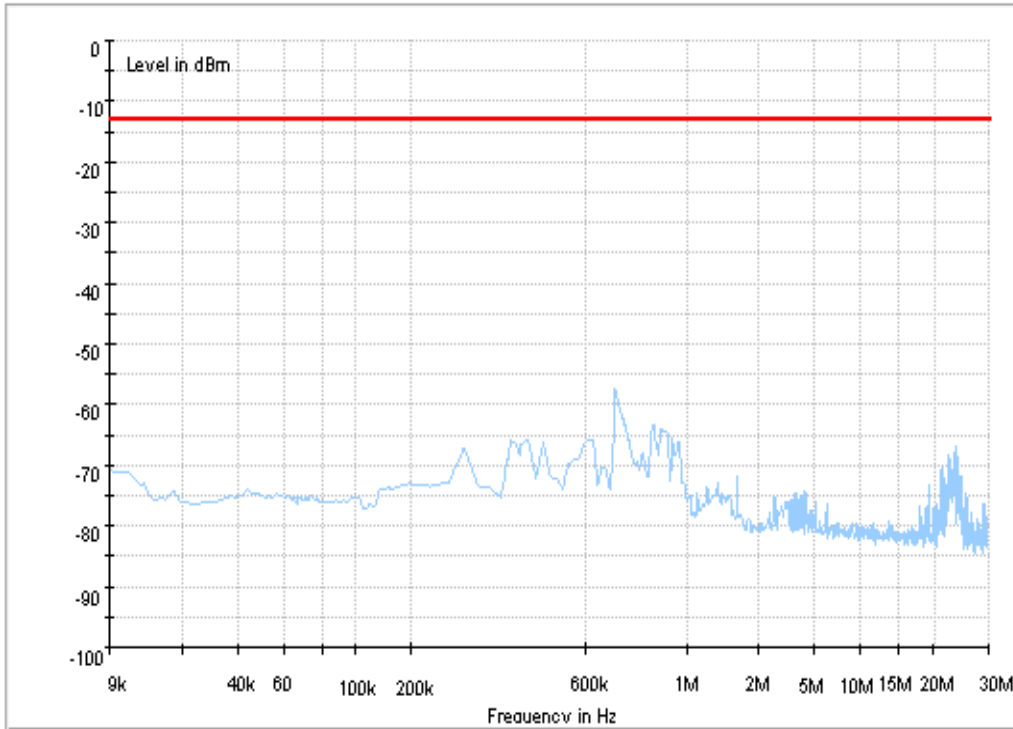


Copy of FCC PART22 WCDMA850\_H

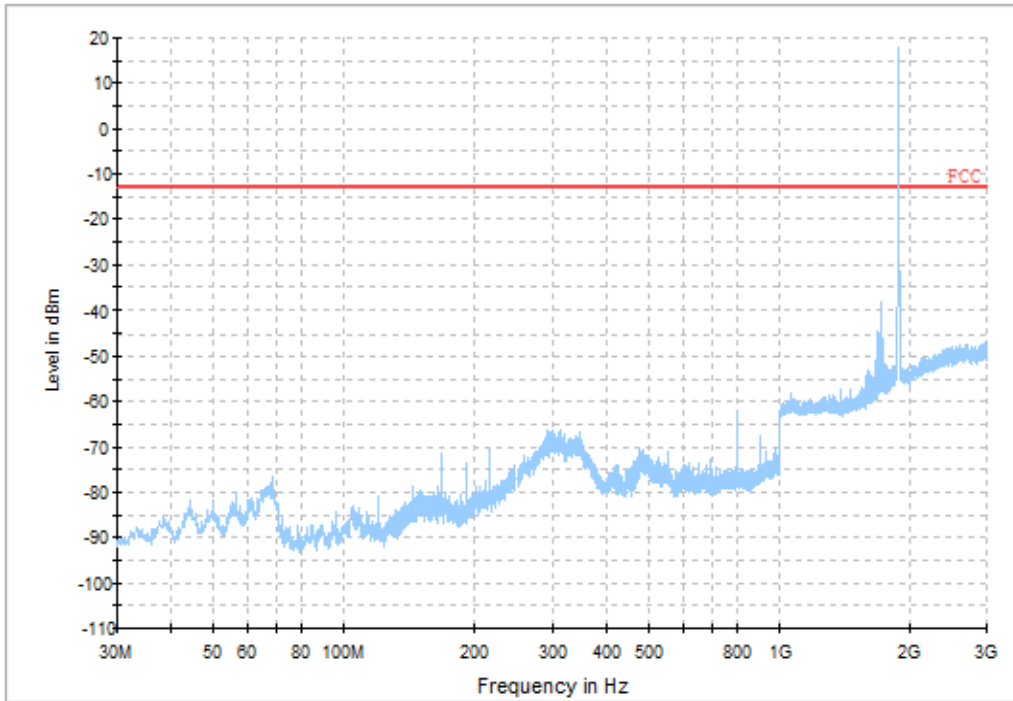


**7.2.2 Test Band = WCDMA1900**

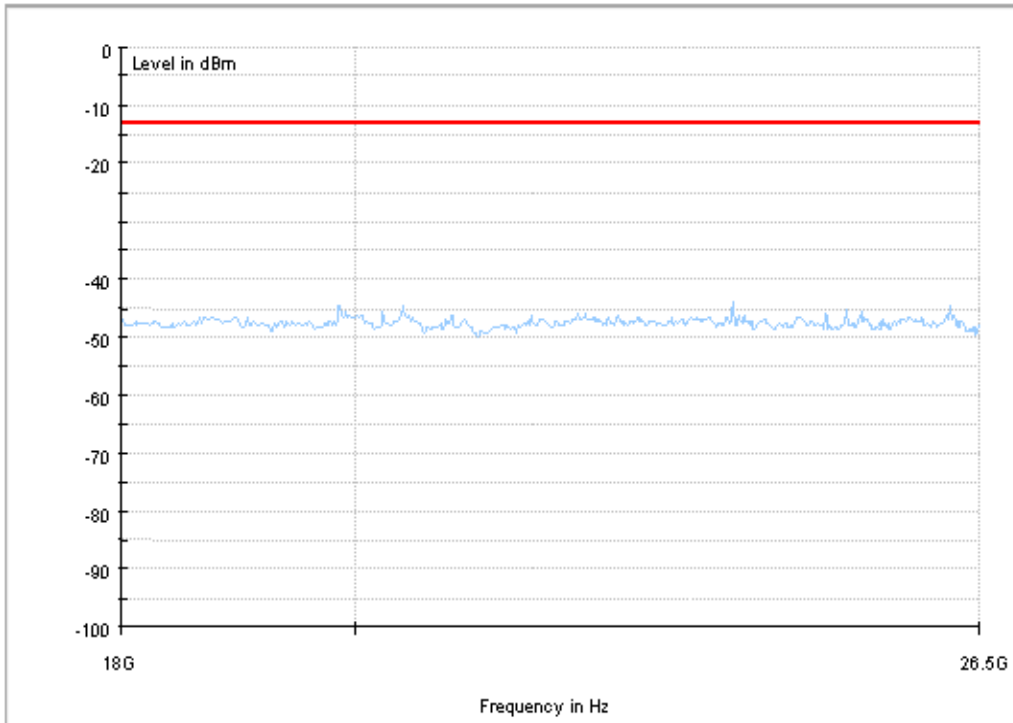
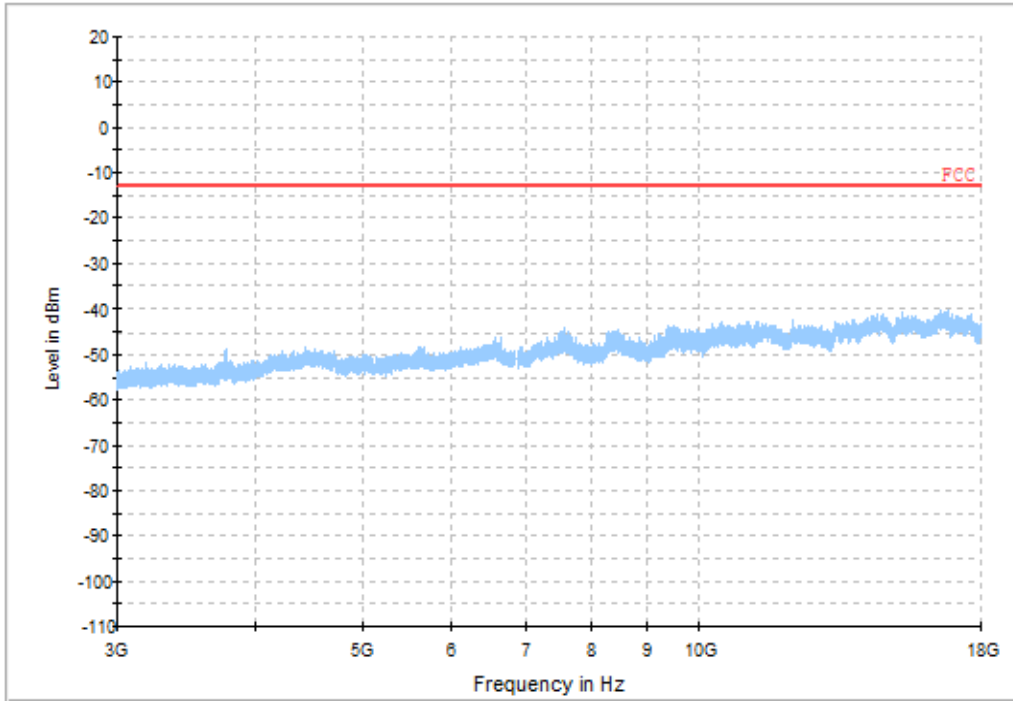
**7.2.2.1 Test Mode = UMTS/TM1**



Copy of FCC PART24 WCDMA1900\_L

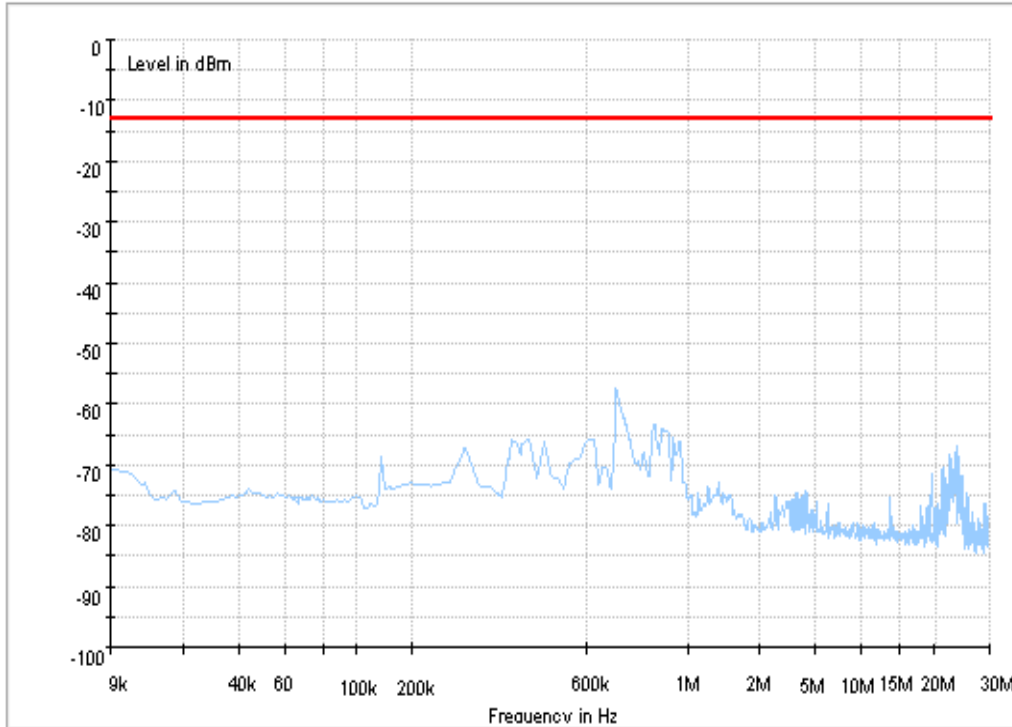


Copy of FCC PART24 WCDMA1900\_H



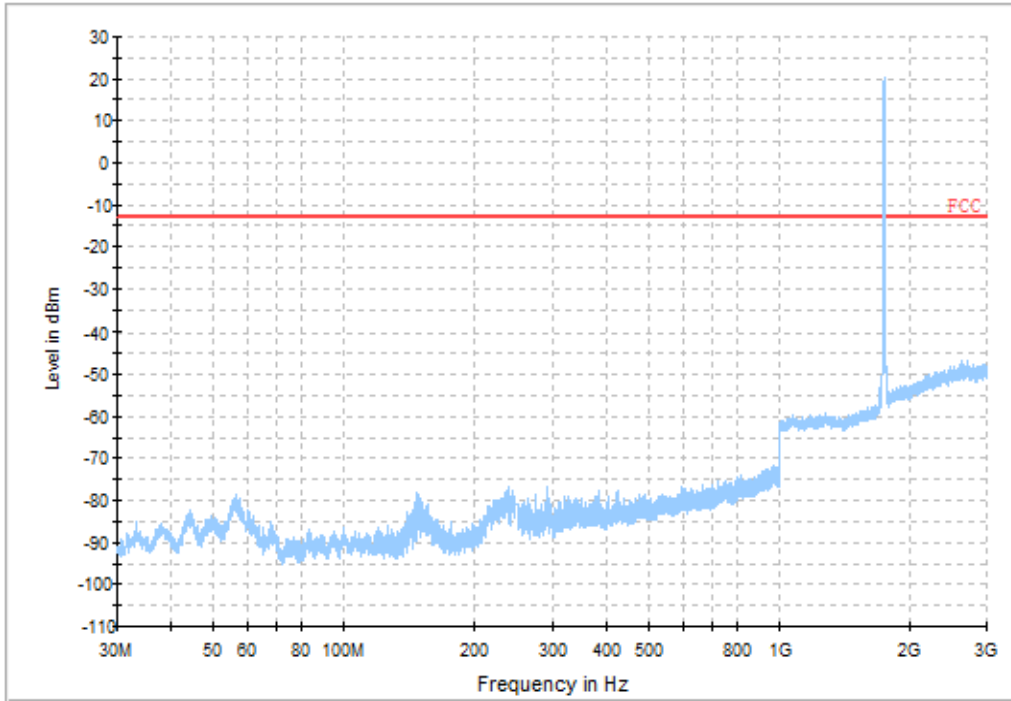
### 7.2.3 Test Band = WCDMA1700

#### 7.2.3.1 Test Mode = UMTS/TM1

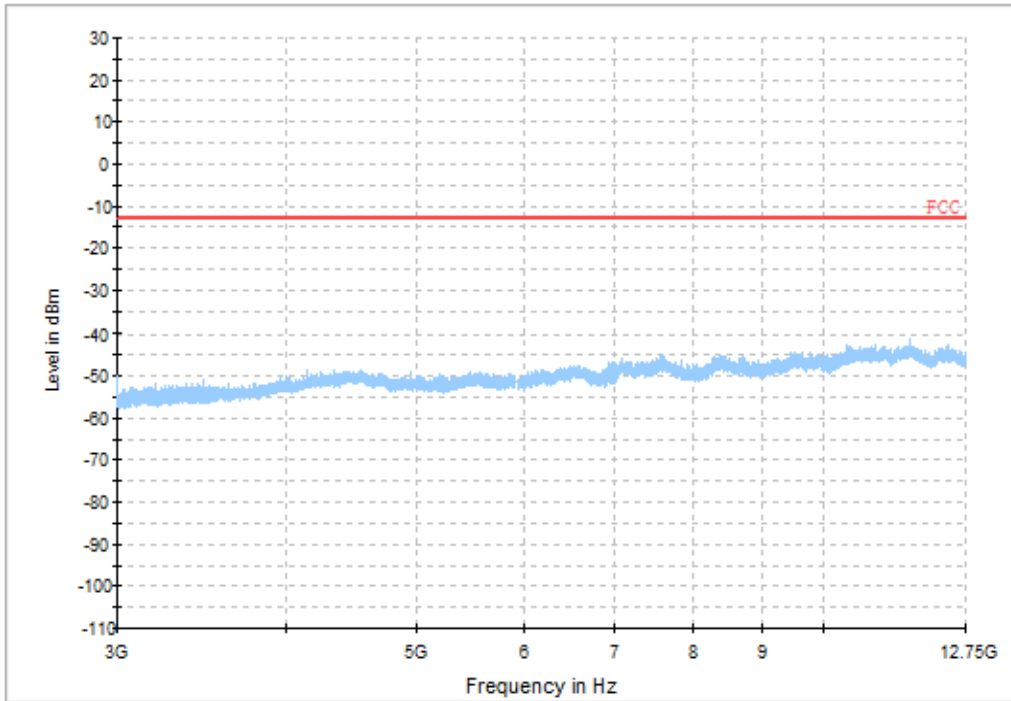




Copy of RSE - TX - UMTS BAND IV\_L



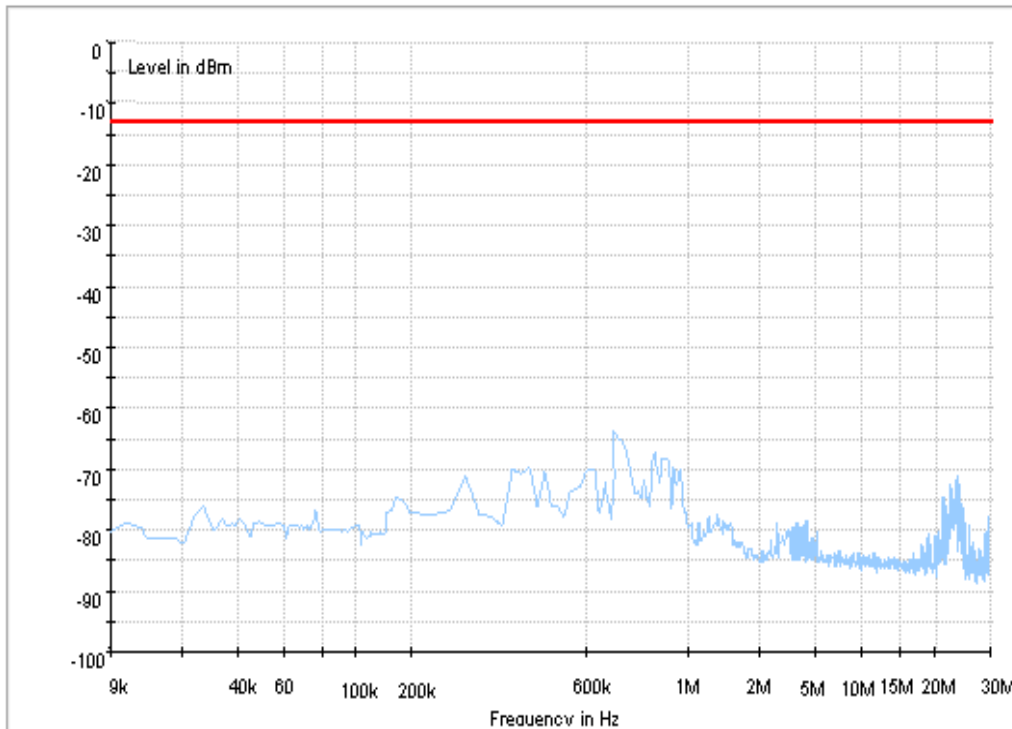
Copy of RSE - TX - UMTS BAND IV\_H



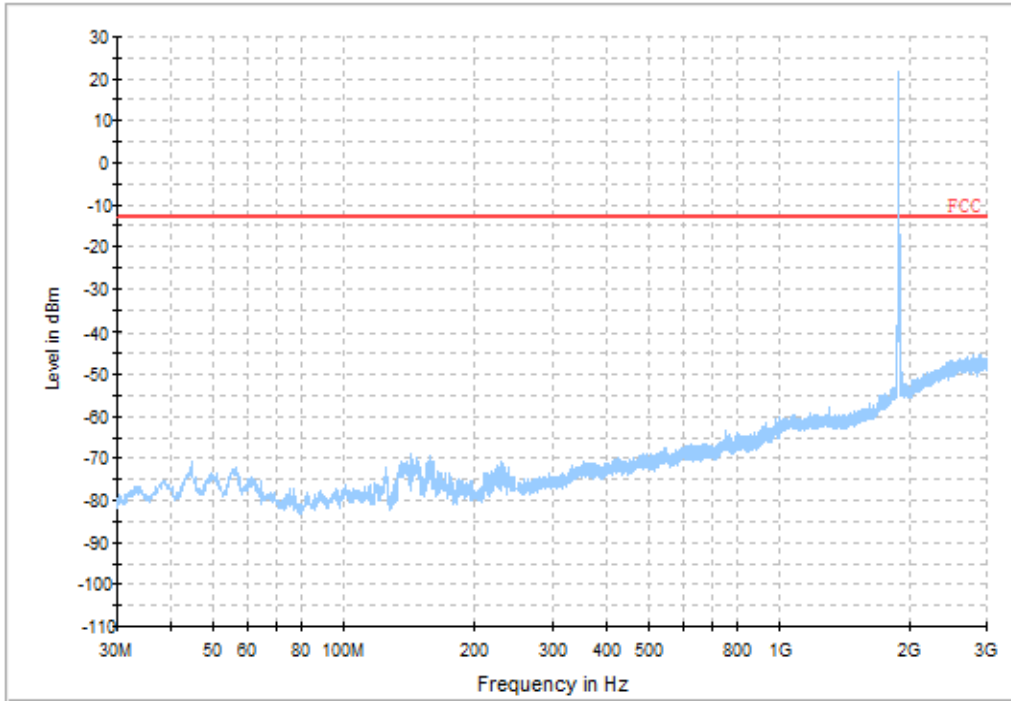
### 7.3 For LTE

#### 7.3.1 Test Band = BAND2

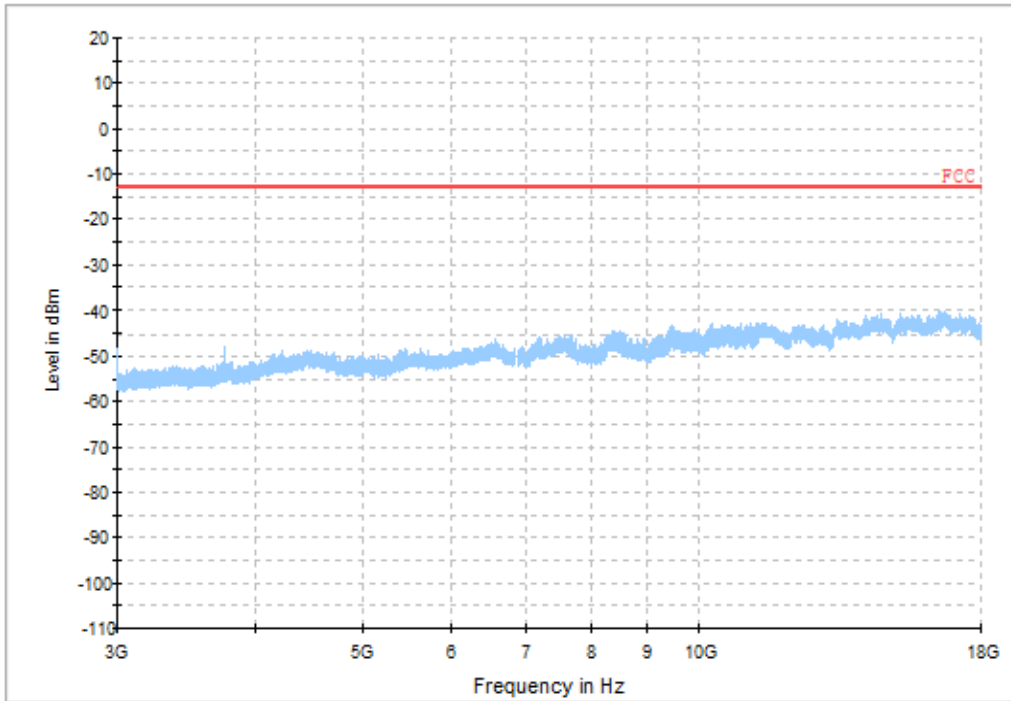
##### 7.3.1.1 Test Bandwidth = 5

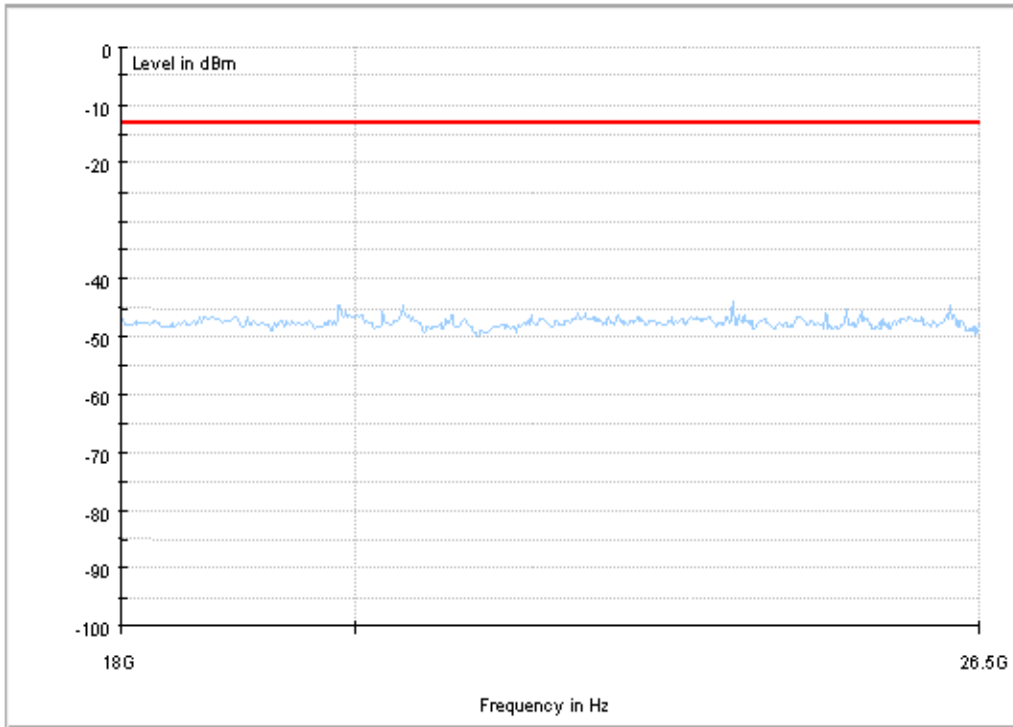


Copy of FCC PART24 LTE Band 2\_L

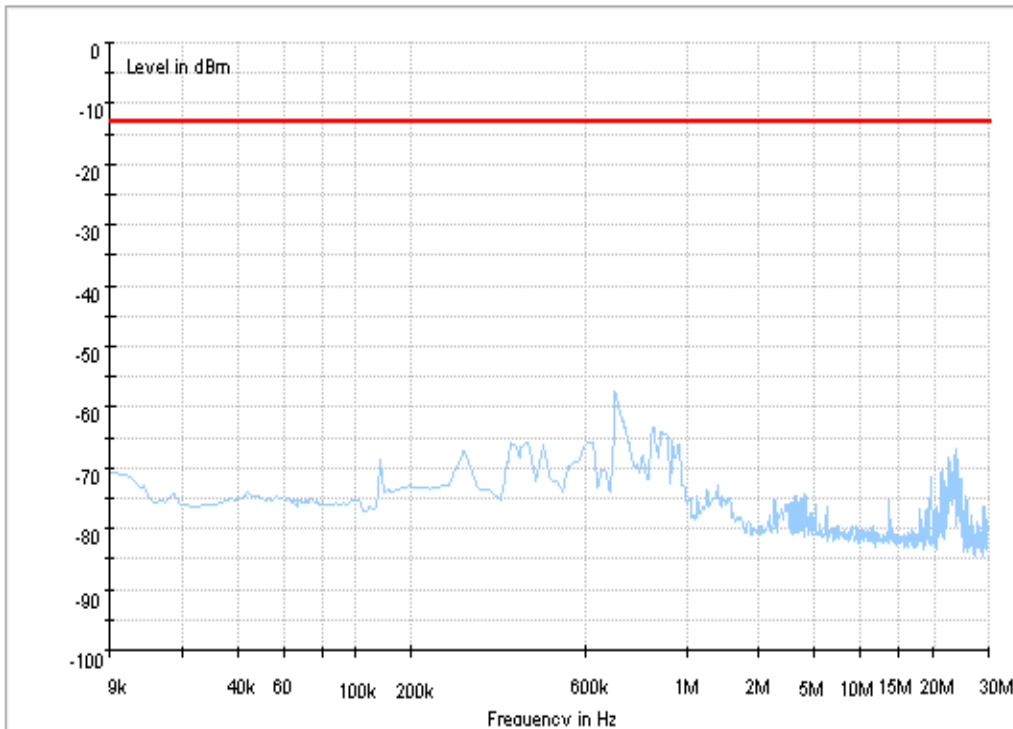


Copy of FCC PART24 LTE Band 2\_H

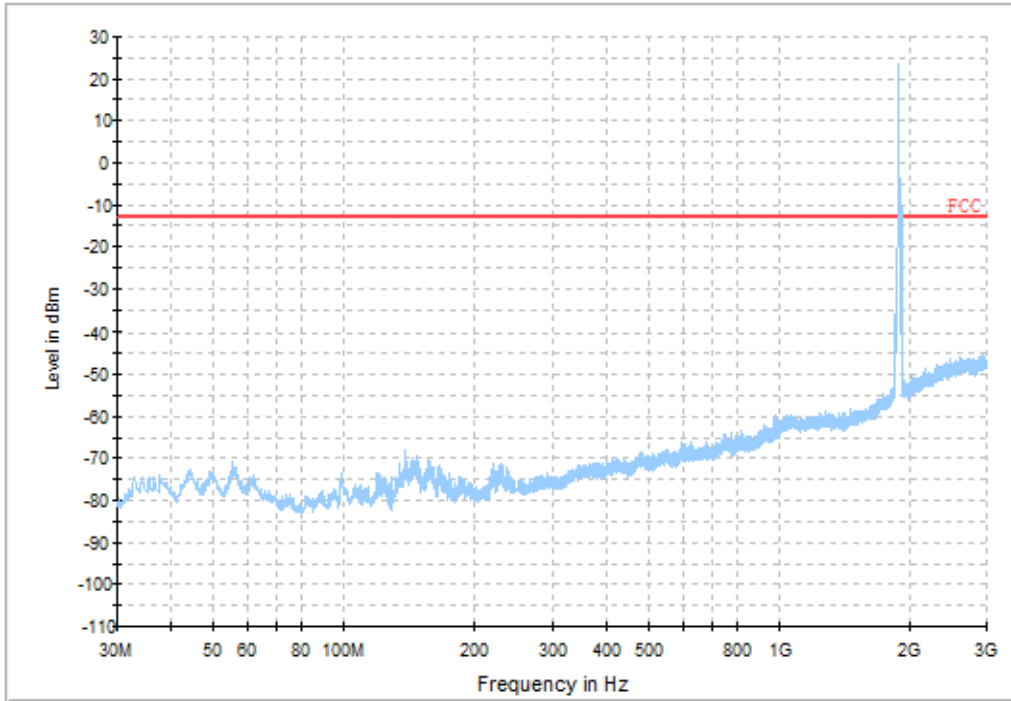




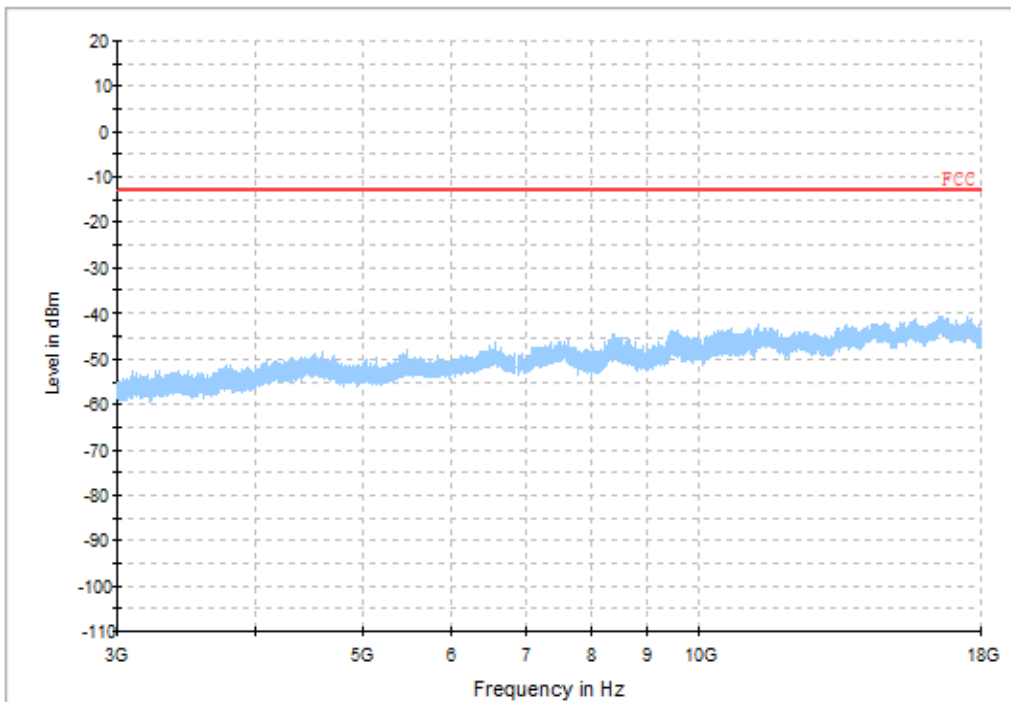
### 7.3.1.2 Test Bandwidth = 20

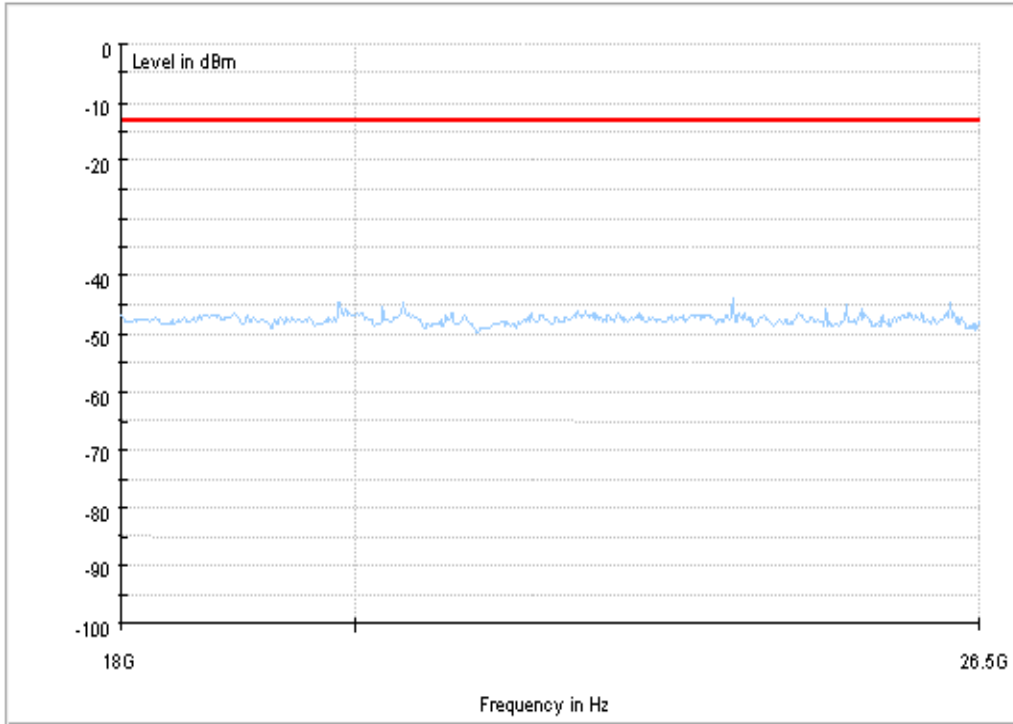


Copy of FCC PART24 LTE Band 2\_L



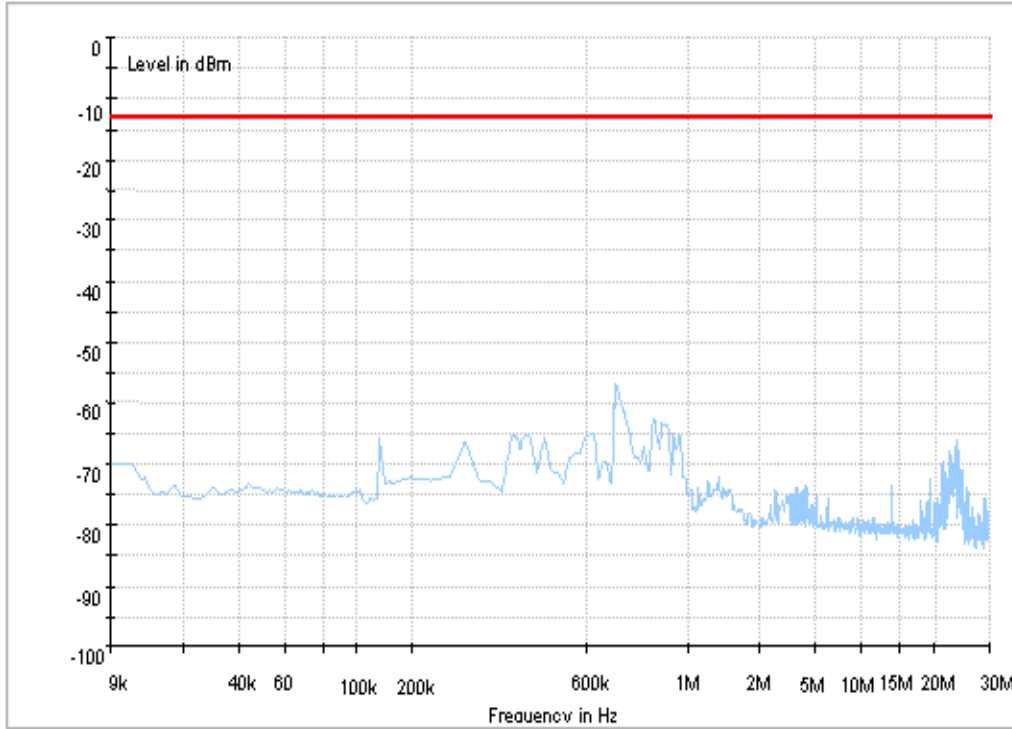
Copy of FCC PART24 LTE Band 2\_H



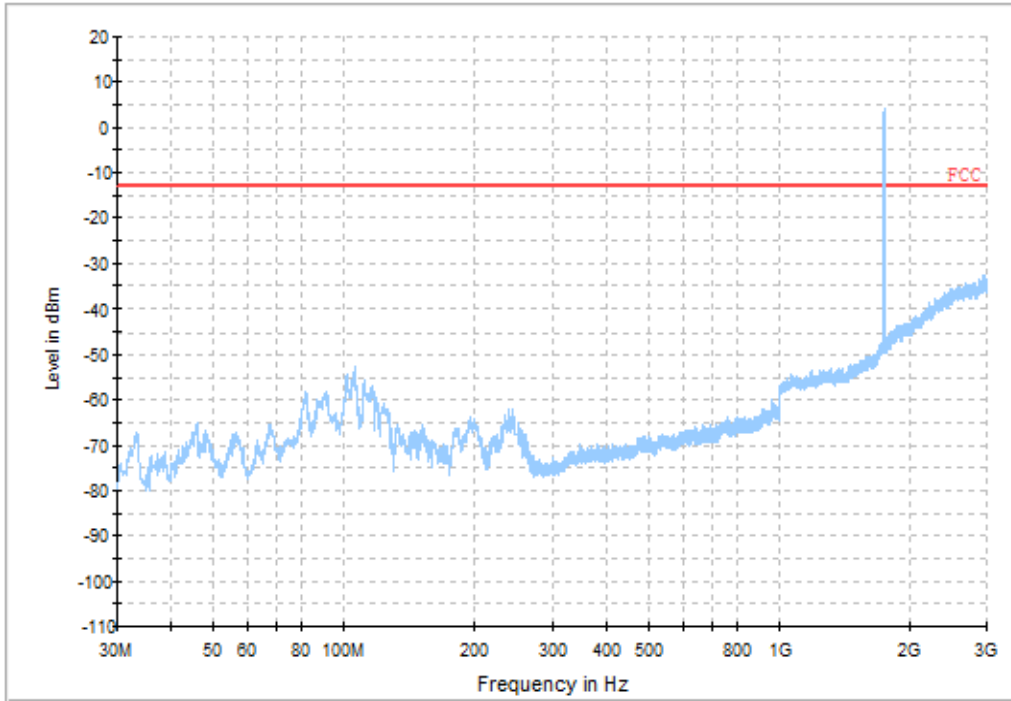


### 7.3.2 Test Band = BAND4

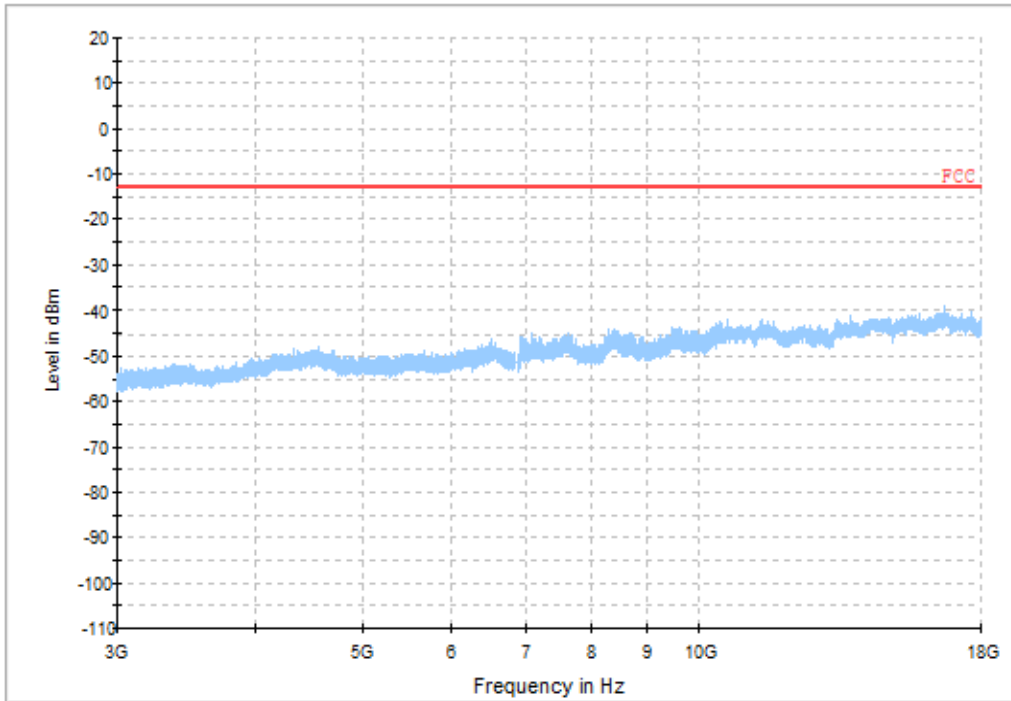
#### 7.3.2.1 Test Bandwidth = 5



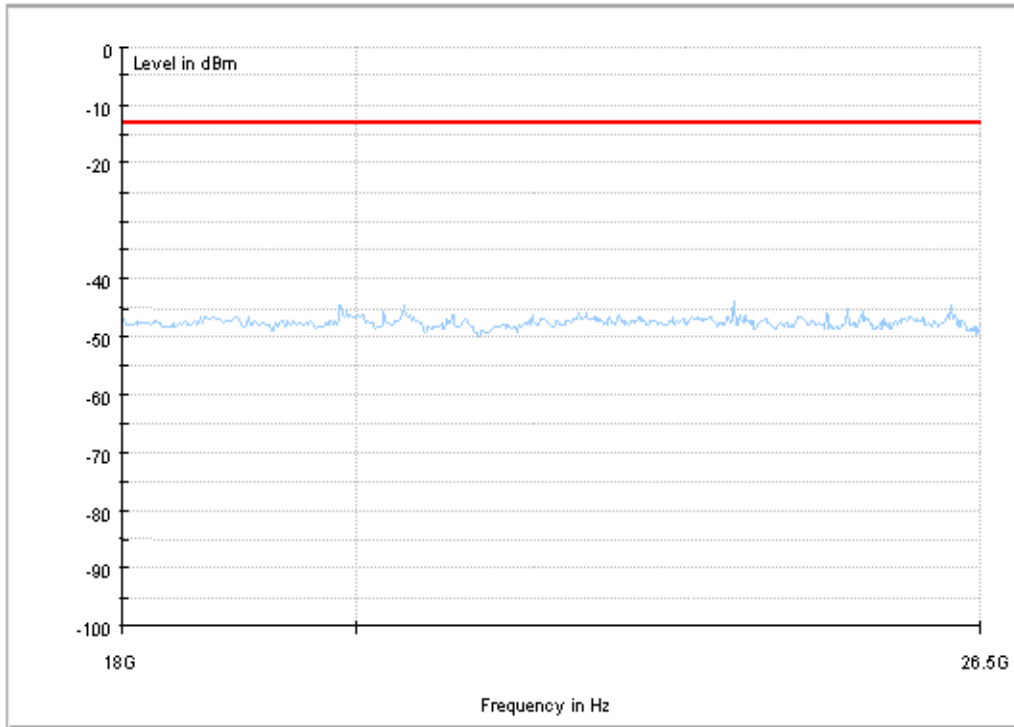
Copy of FCC PART27 LTE Band 4\_L



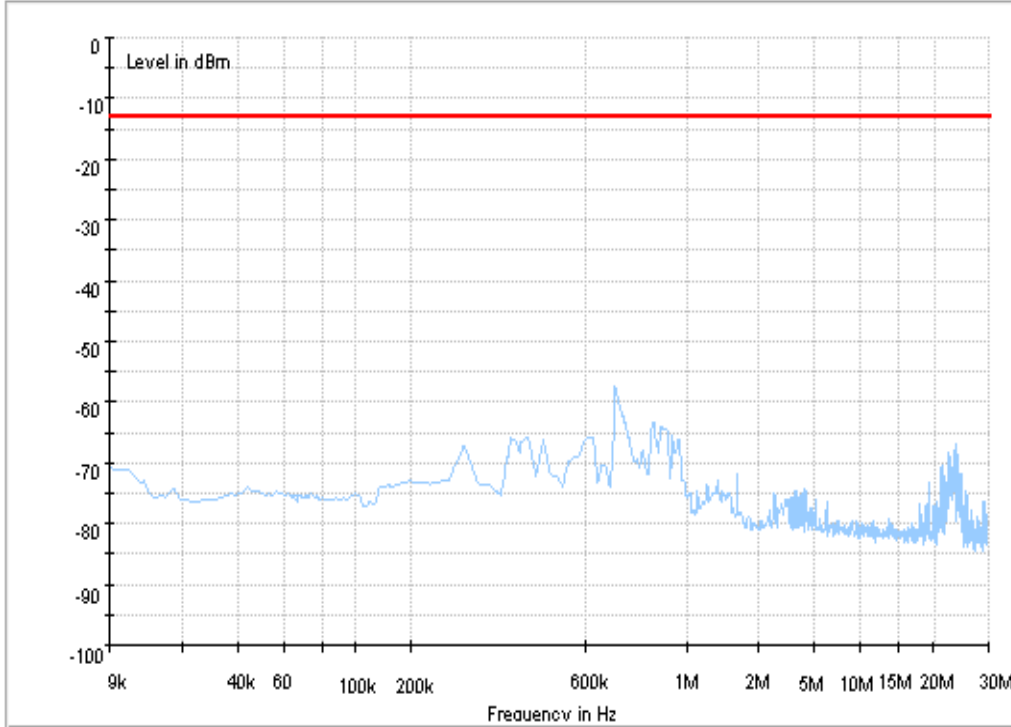
Copy of FCC PART27 LTE Band 4\_H



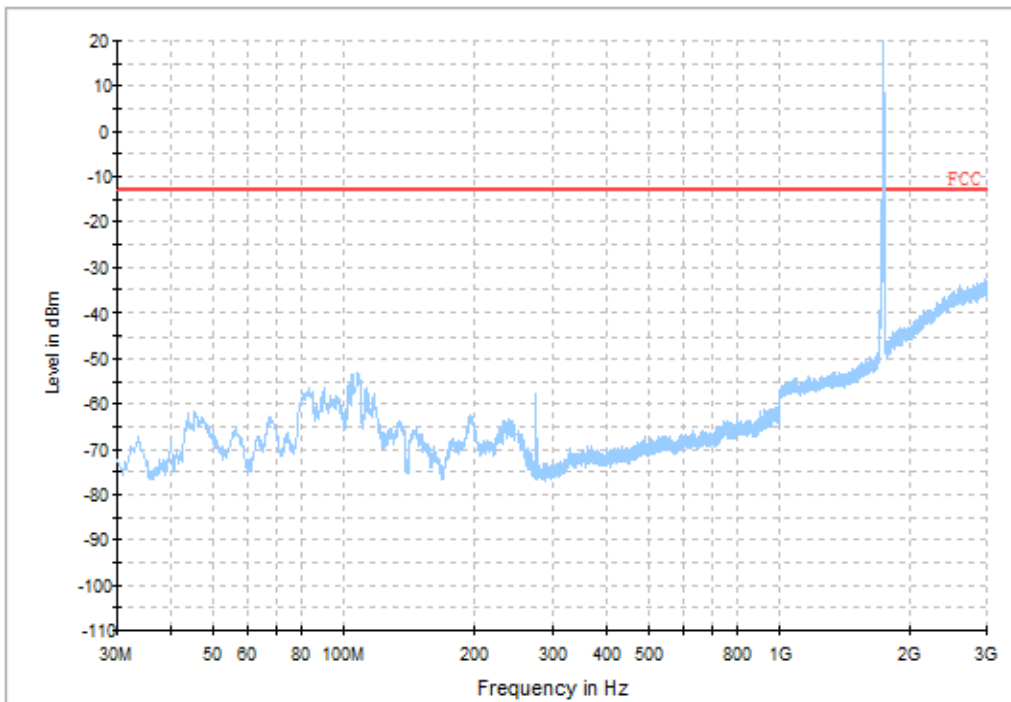




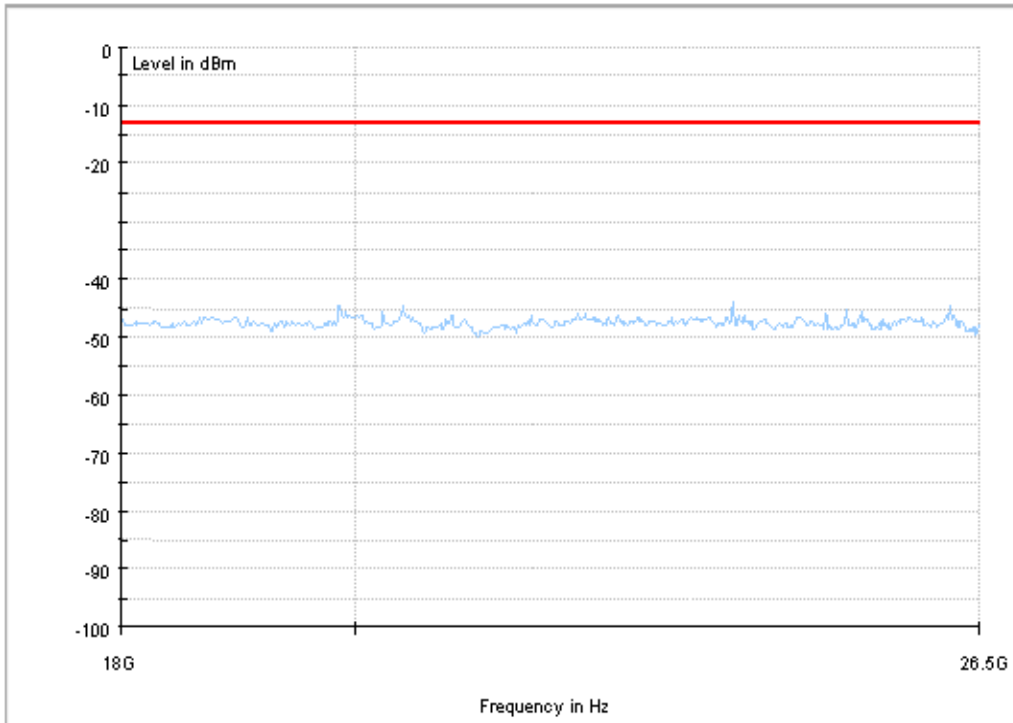
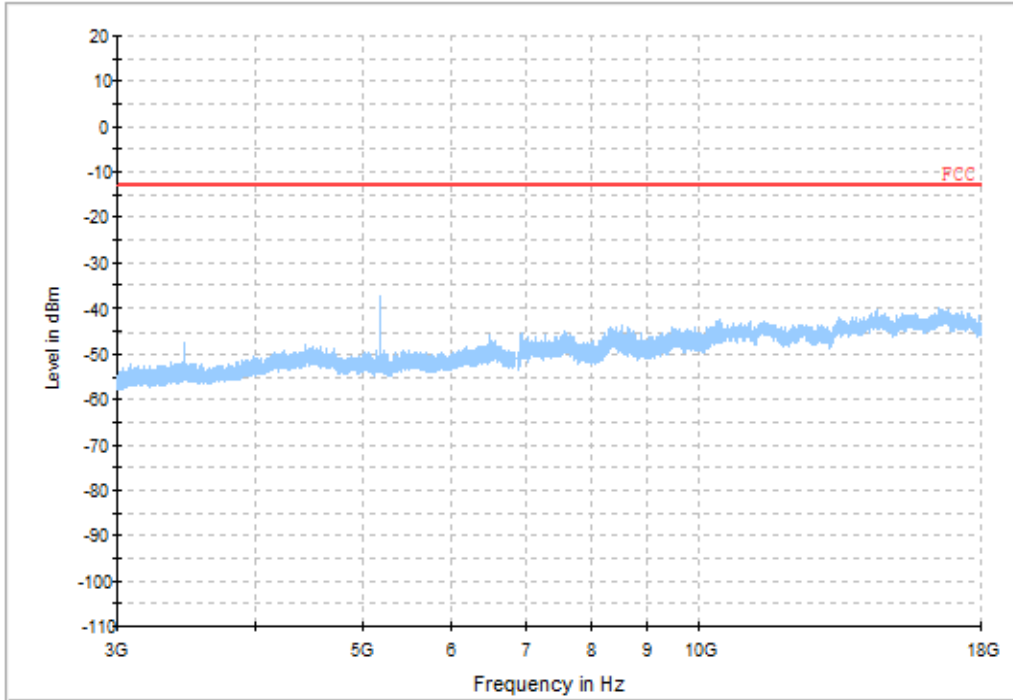
### 7.3.2.2 Test Bandwidth = 20



Copy of FCC PART27 LTE Band 4\_L

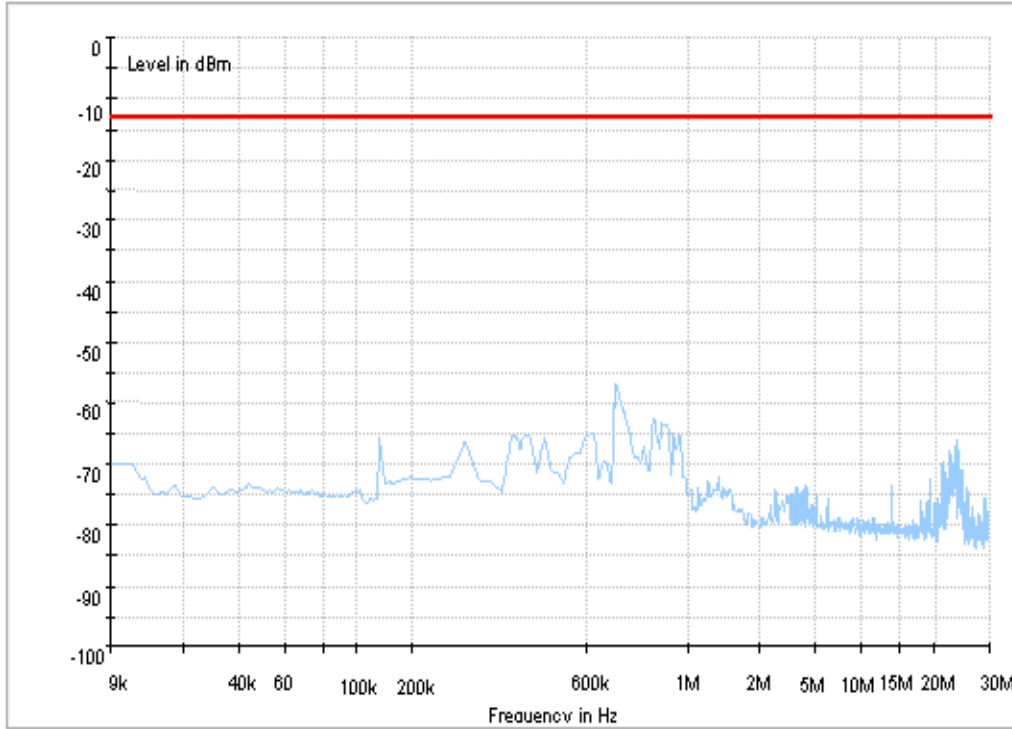


Copy of FCC PART27 LTE Band 4\_H

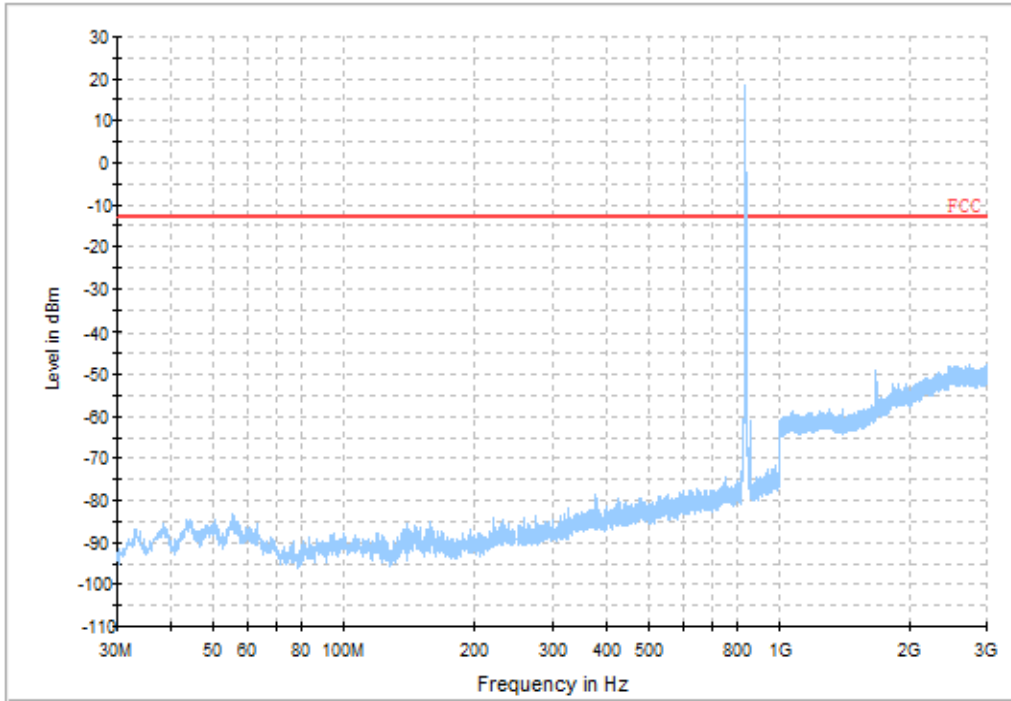


### 7.3.3 Test Band = BAND5

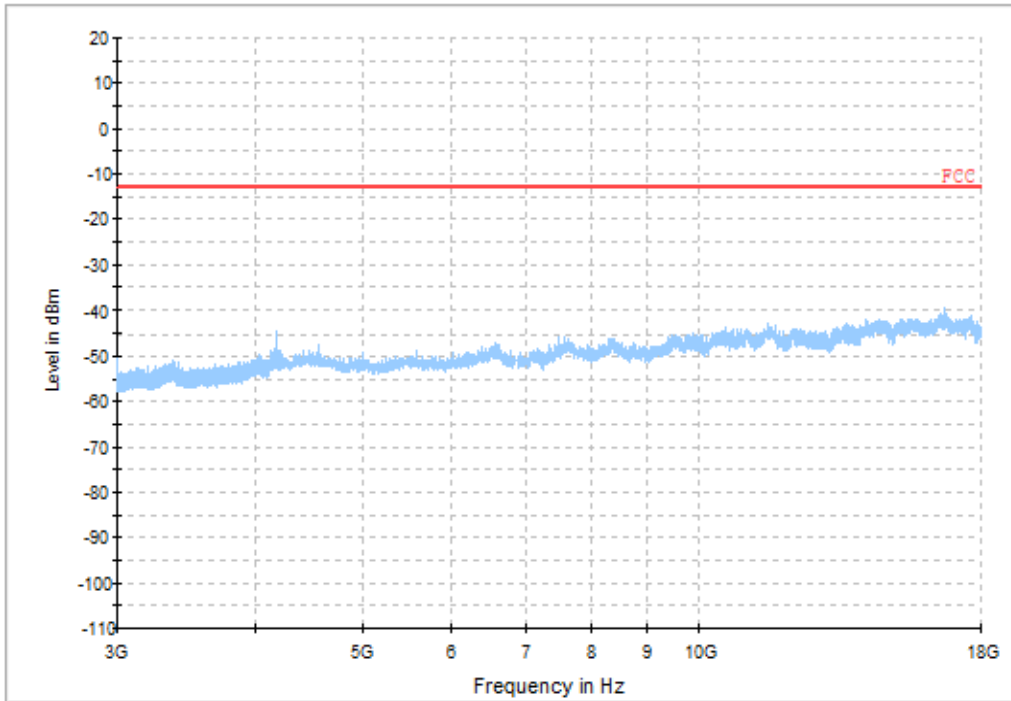
#### 7.3.3.1 Test Bandwidth = 5

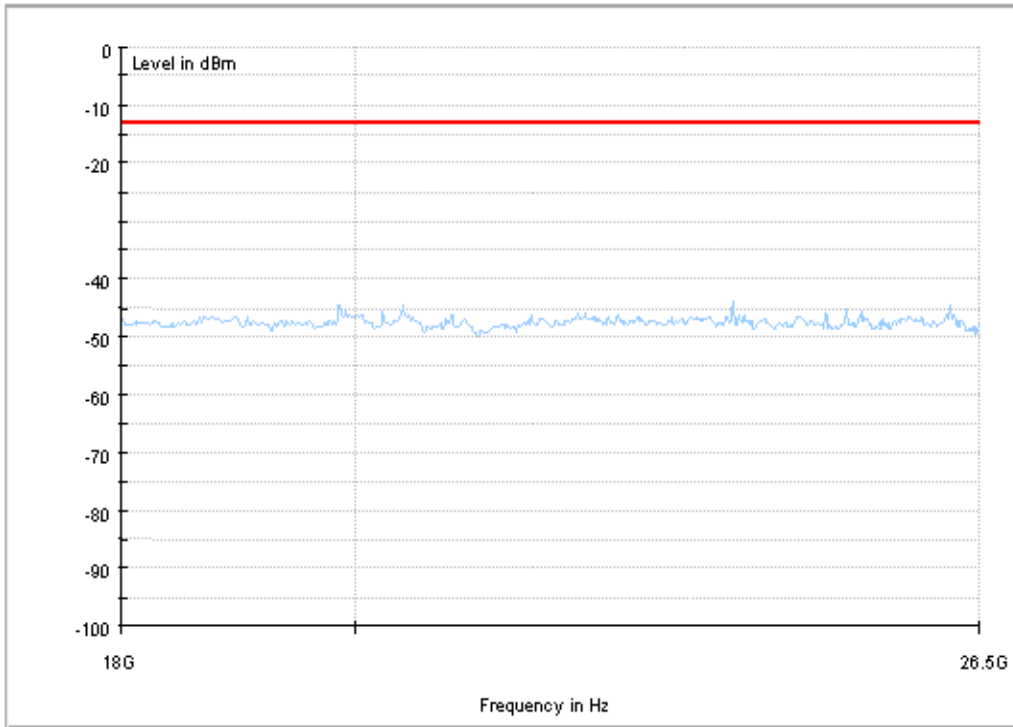


Copy of FCC PART22 LTE Band 5\_L

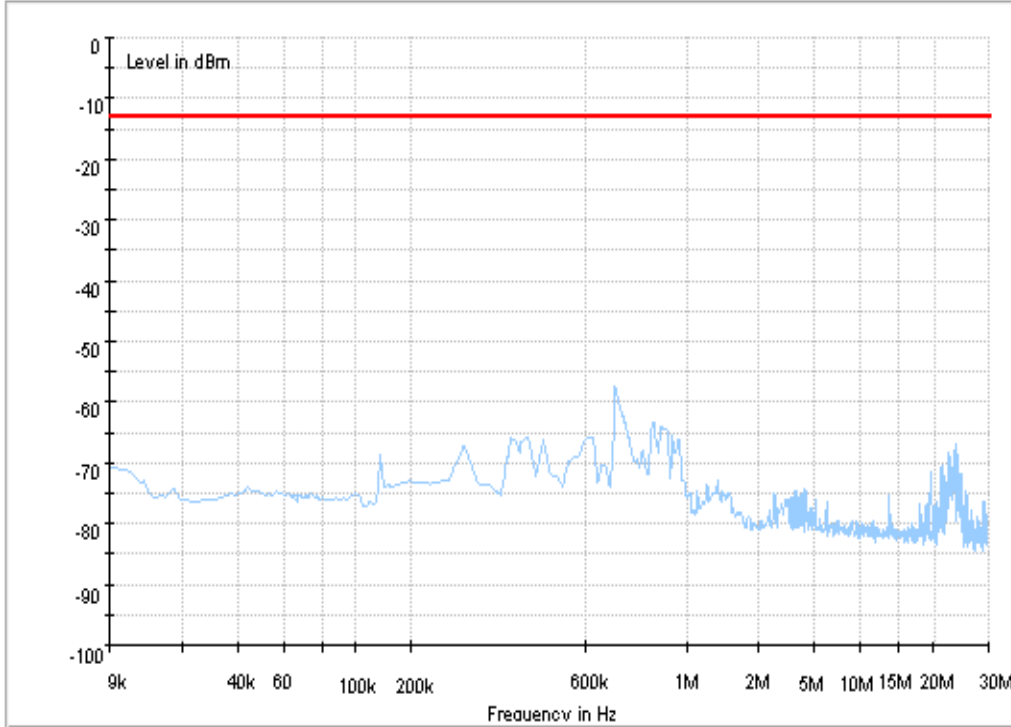


Copy of FCC PART22 LTE Band 5\_H

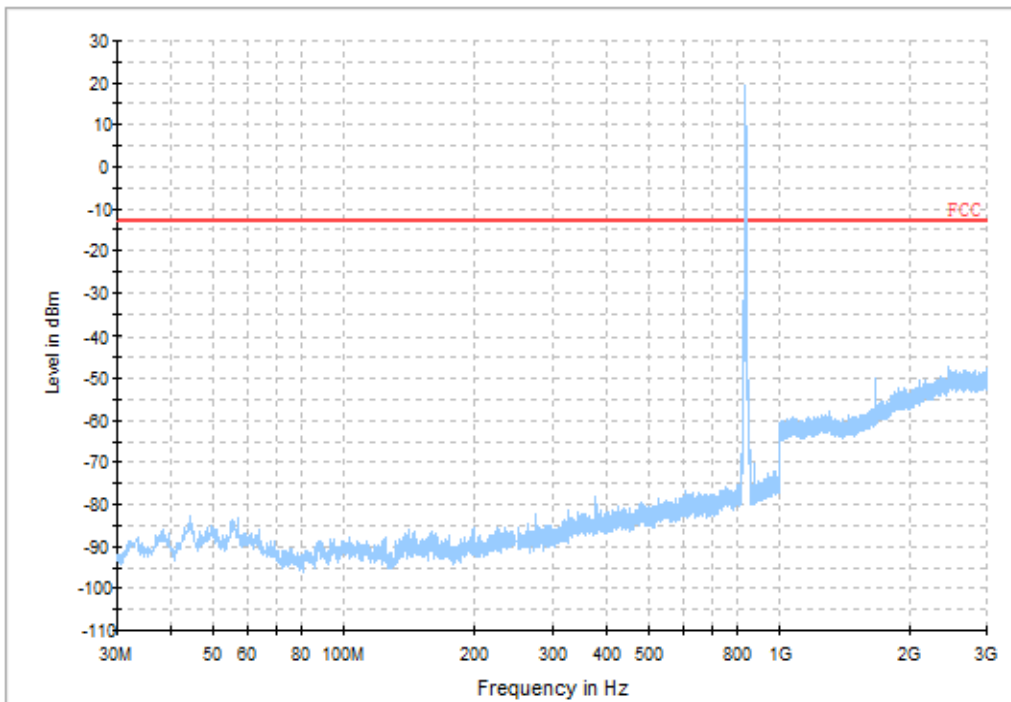




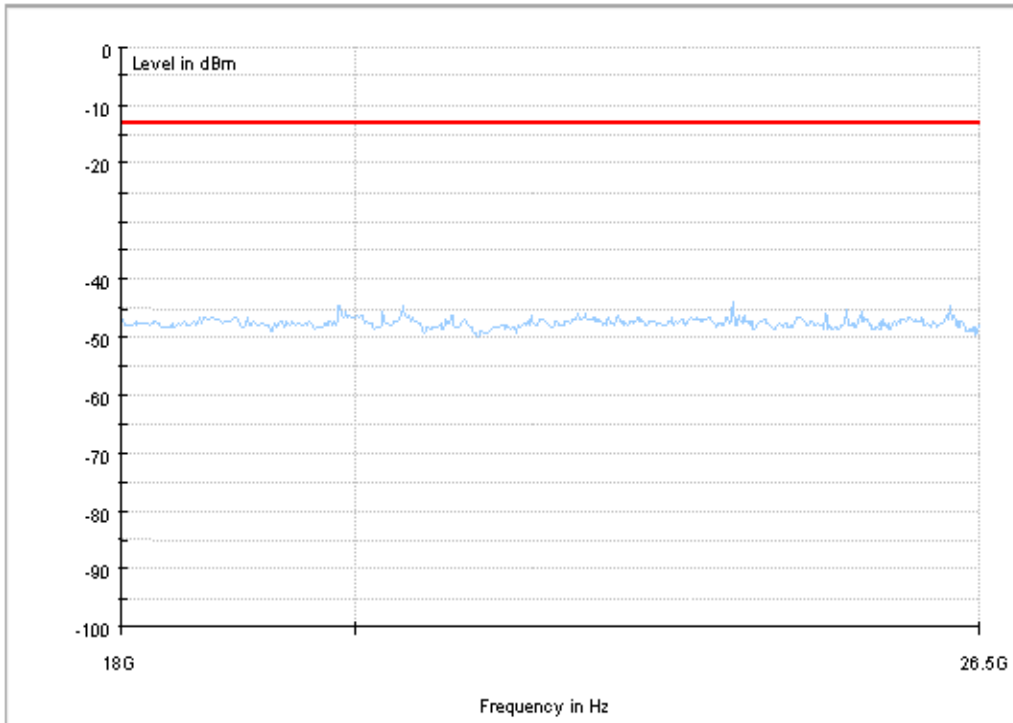
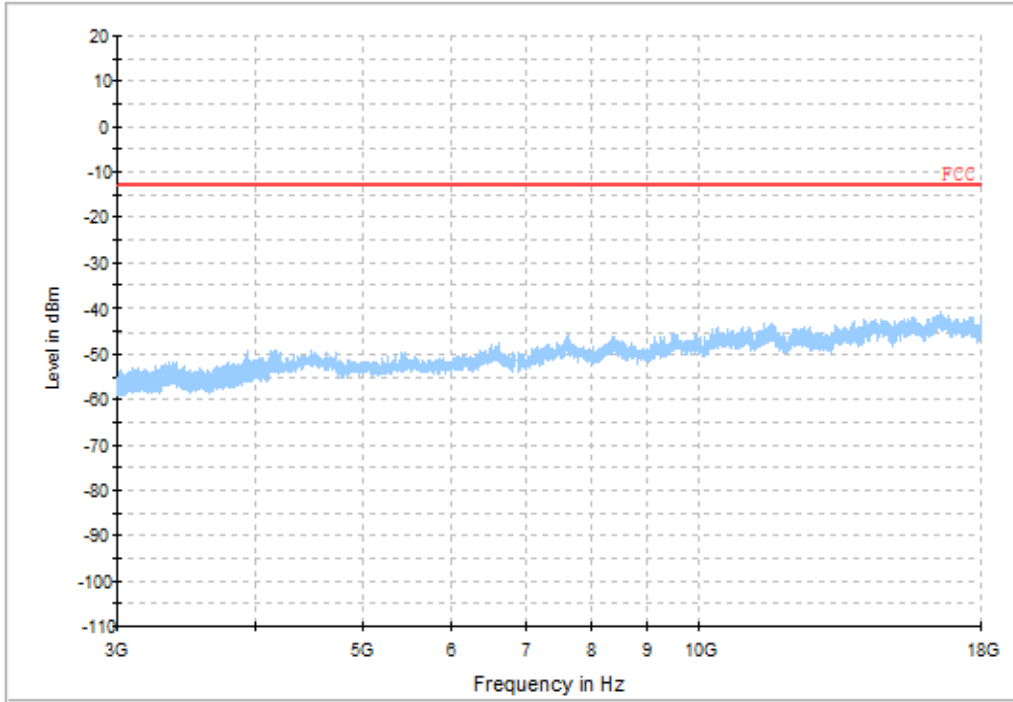
### 7.3.3.2 Test Bandwidth = 10



Copy of FCC PART22 LTE Band 5\_L



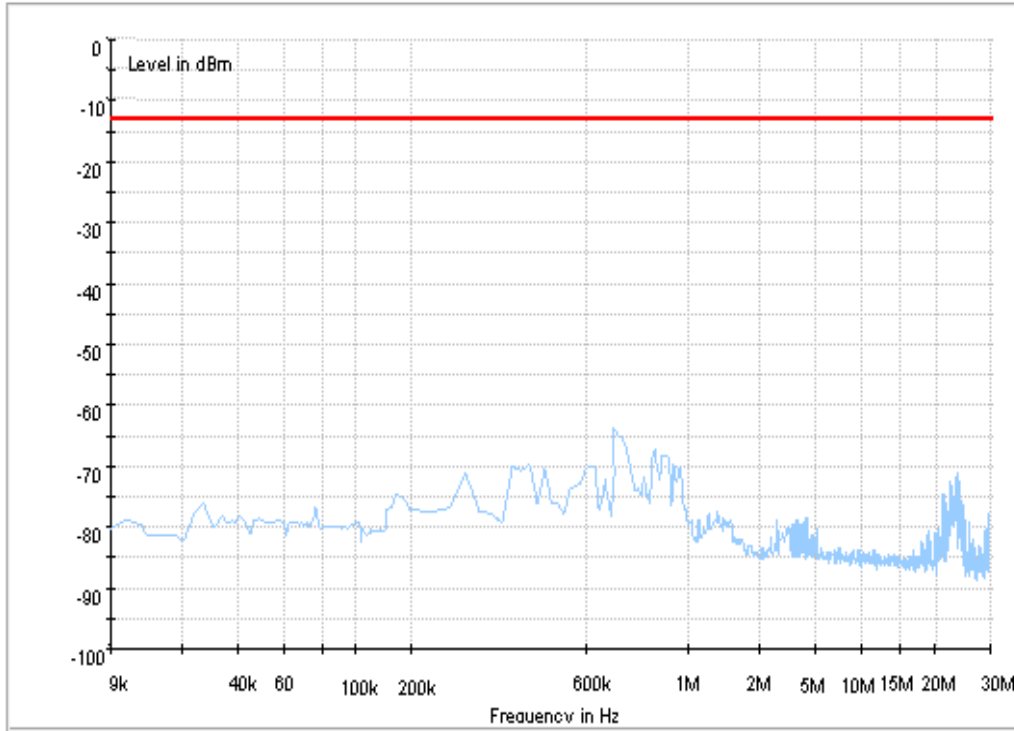
Copy of FCC PART22 LTE Band 5\_H



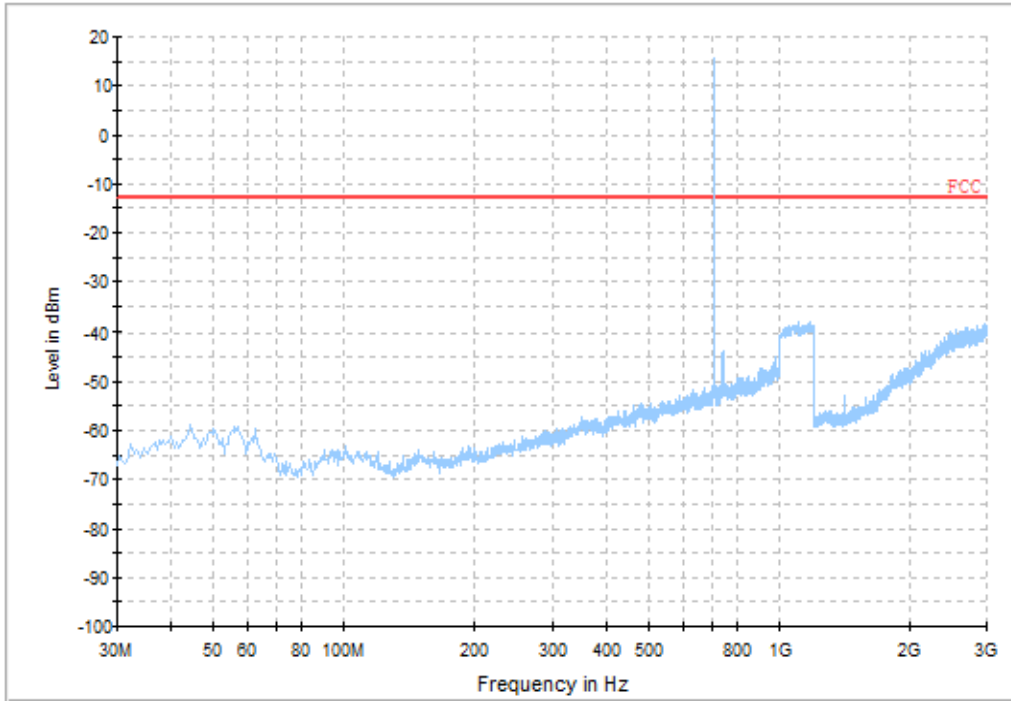


### 7.3.4 Test Band = BAND12

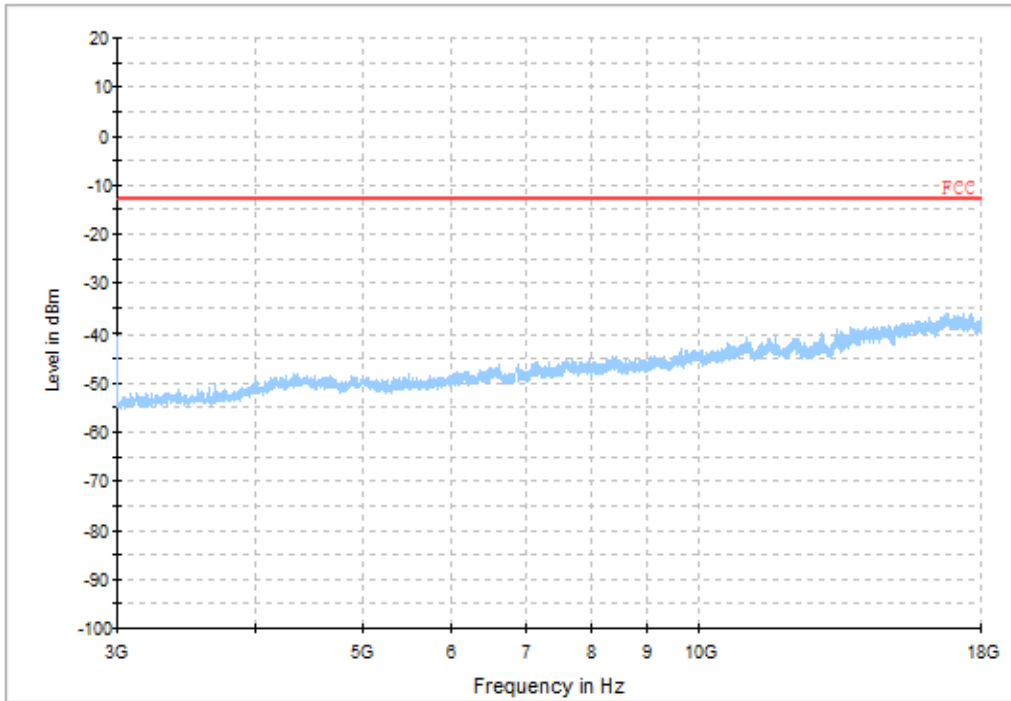
#### 7.3.4.1 Test Bandwidth = 5



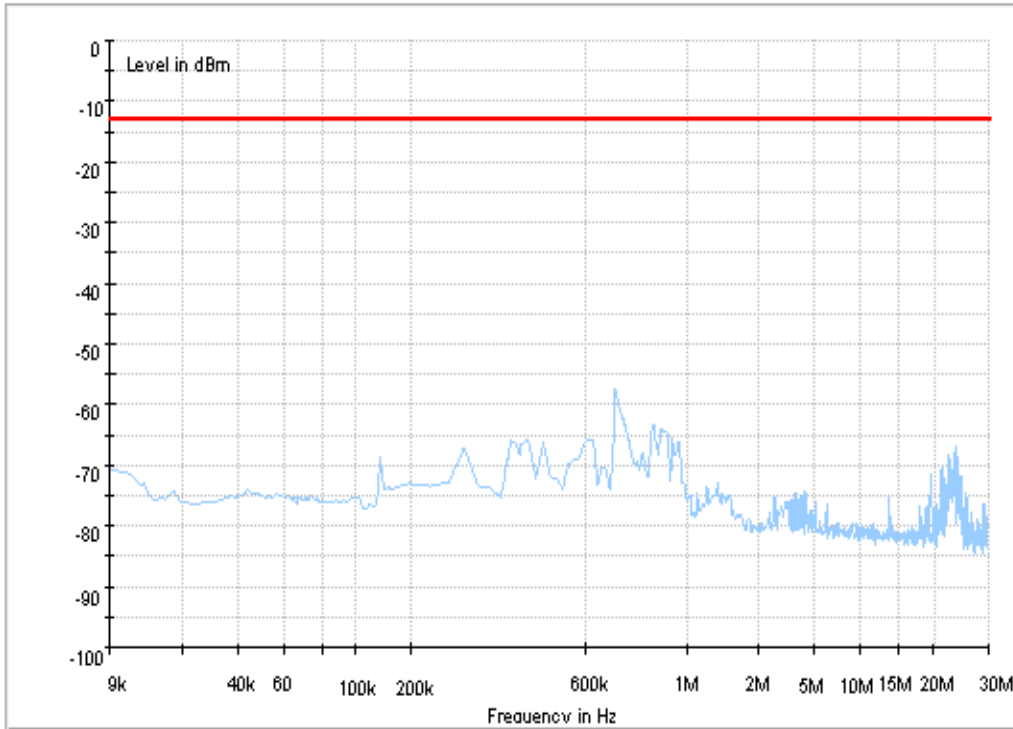
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



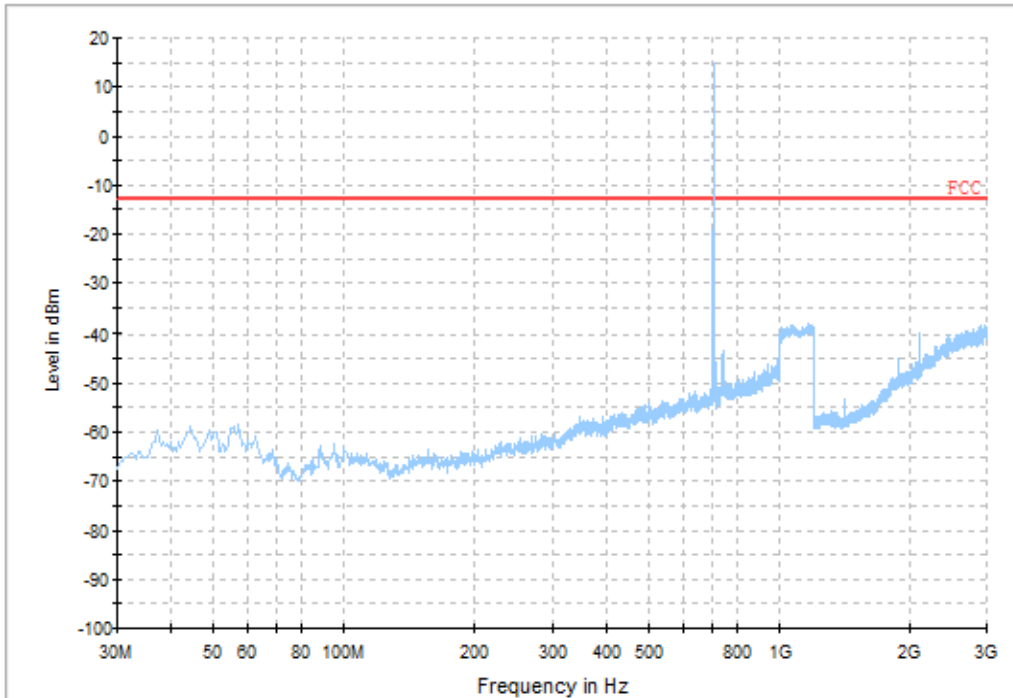
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



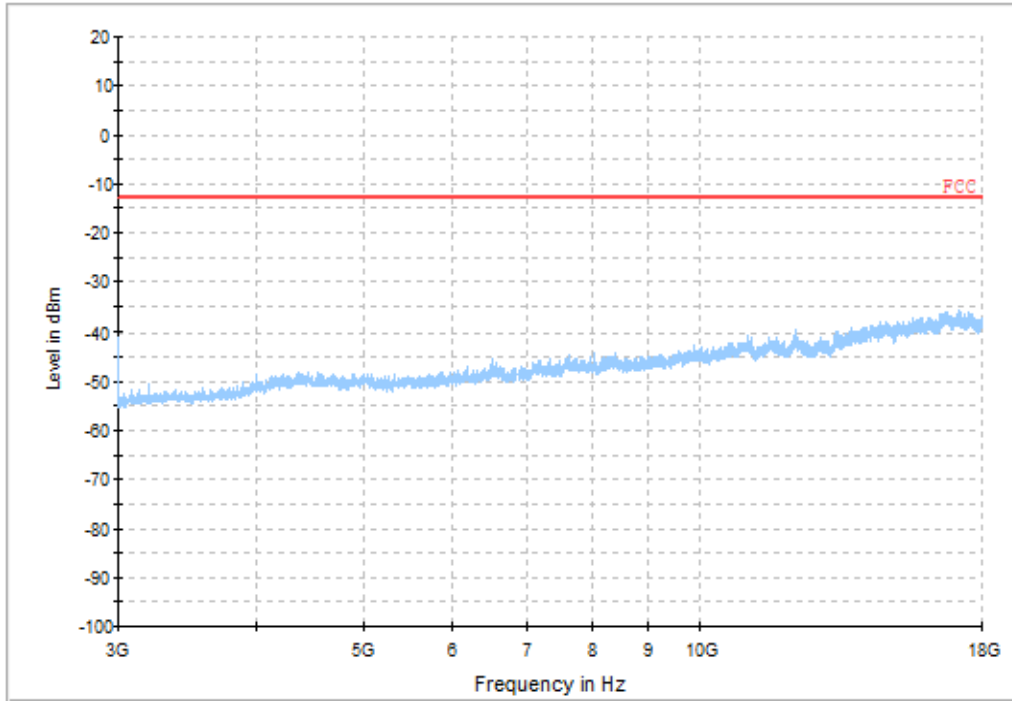
### 7.3.4.2 Test Bandwidth = 10



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

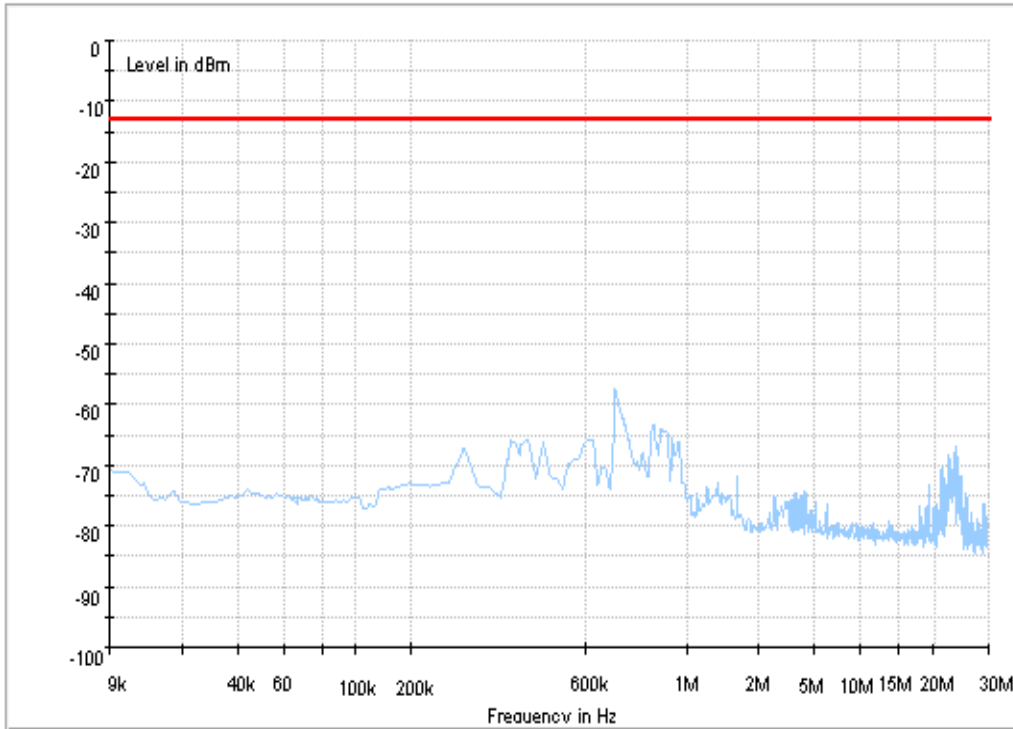


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

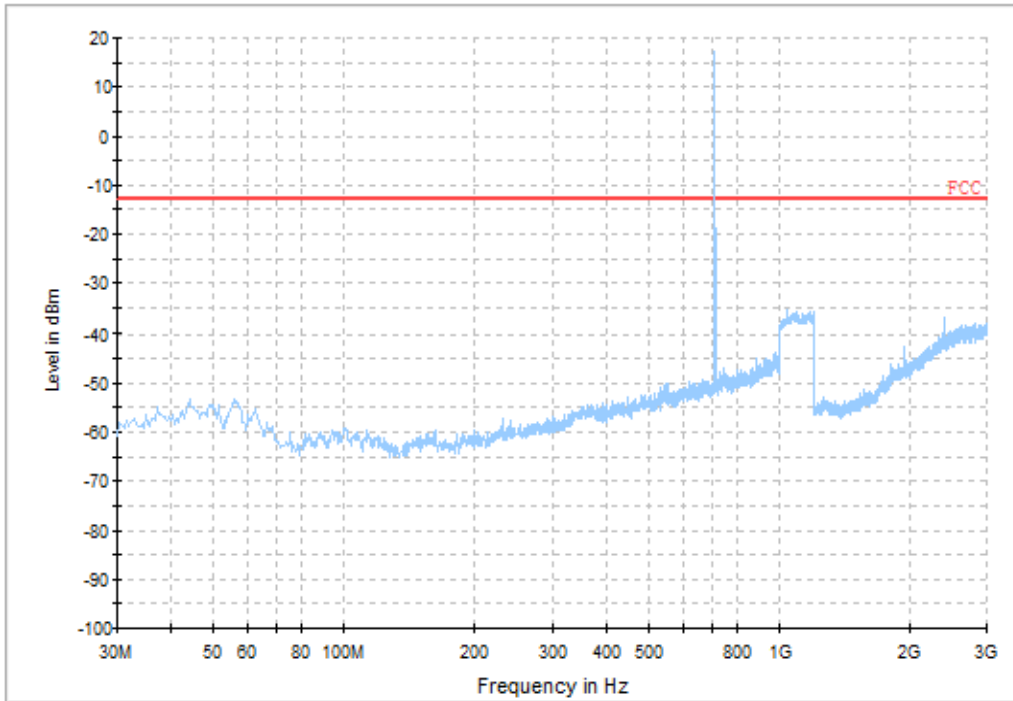


**7.3.5 Test Band = BAND17**

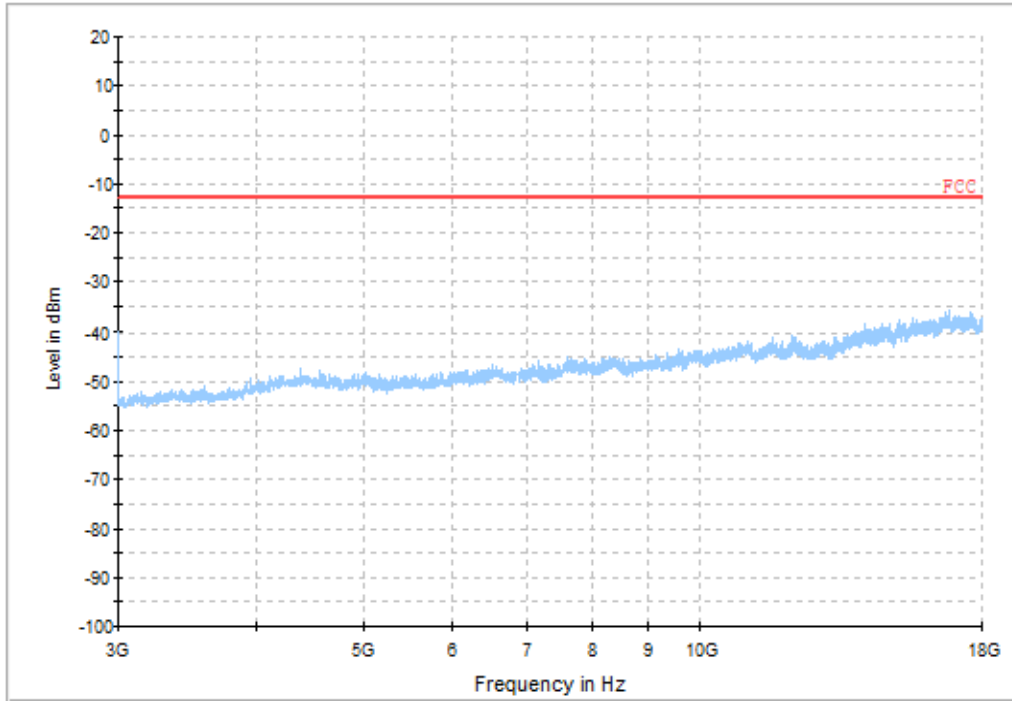
**7.3.5.1 Test Bandwidth = 5**



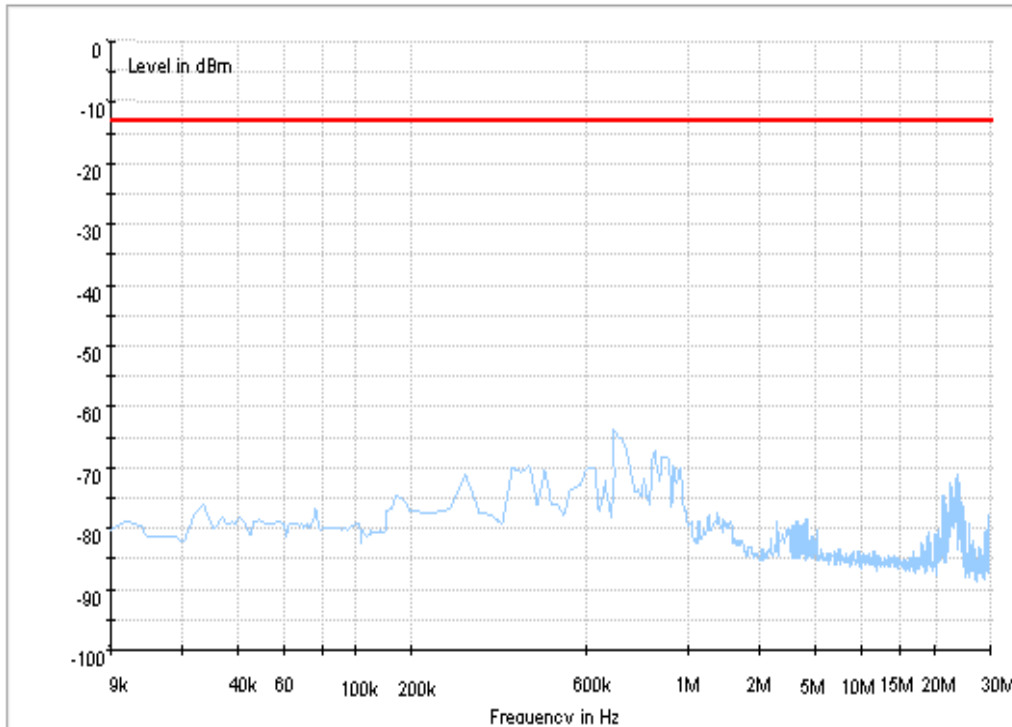
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



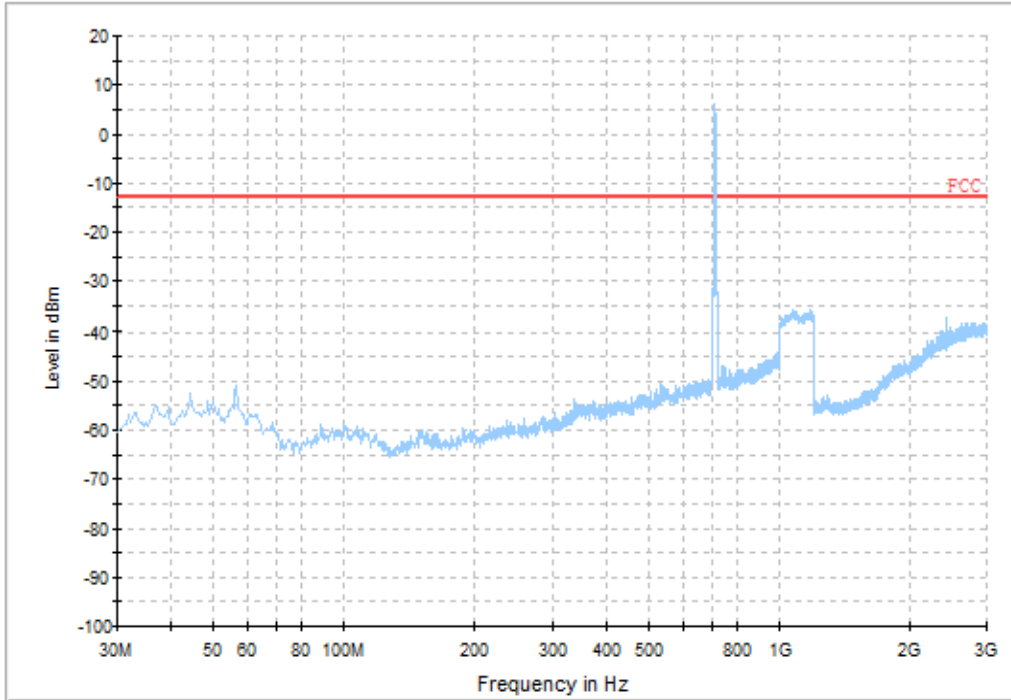
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



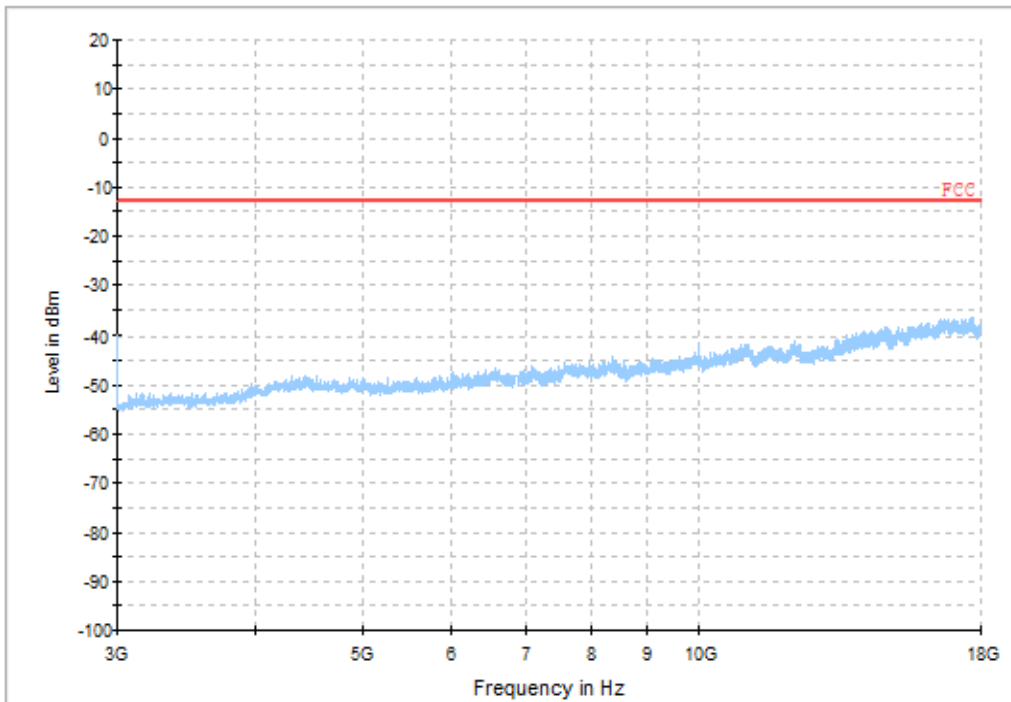
### 7.3.5.2 Test Bandwidth = 10



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



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



## 8Appendix\_H: Frequency Stability

### 8.1 For GSM

#### 8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-21.24	-0.02577	PASS
				VN	-17.89	-0.02171	PASS
				VH	-21.05	-0.02554	PASS
		MCH	TN	VL	-21.05	-0.02516	PASS
				VN	-20.28	-0.02424	PASS
				VH	-21.37	-0.02554	PASS
		HCH	TN	VL	-18.92	-0.02229	PASS
				VN	-20.34	-0.02396	PASS
				VH	-18.66	-0.02198	PASS
	GSM/TM2	LCH	TN	VL	-35.68	-0.04329	PASS
				VN	-34.64	-0.04203	PASS
				VH	-33.93	-0.04117	PASS
		MCH	TN	VL	-34.32	-0.04102	PASS
				VN	-34.55	-0.0413	PASS
				VH	-30.12	-0.036	PASS
		HCH	TN	VL	-37.10	-0.04371	PASS
				VN	-43.10	-0.05078	PASS
				VH	-38.16	-0.04496	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-49.14	-0.02656	PASS
				VN	-41.07	-0.0222	PASS
				VH	-45.65	-0.02467	PASS
		MCH	TN	VL	-53.92	-0.02868	PASS
				VN	-64.31	-0.03421	PASS
				VH	-61.41	-0.03266	PASS
	HCH	TN	VL	-65.41	-0.03425	PASS	
			VN	-64.51	-0.03378	PASS	
			VH	-63.86	-0.03344	PASS	
	GSM/TM2	LCH	TN	VL	-50.20	-0.02713	PASS
				VN	-42.59	-0.02302	PASS
				VH	-37.39	-0.02021	PASS
MCH		TN	VL	-60.89	-0.03239	PASS	





Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VN	-65.15	-0.03465	PASS
				VH	-61.50	-0.03271	PASS
		HCH	TN	VL	-57.53	-0.03012	PASS
				VN	-54.63	-0.02861	PASS
				VH	-56.66	-0.02967	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-18.60	-0.02257	PASS
				-20	-19.24	-0.02334	PASS
				-10	-18.85	-0.02287	PASS
				0	-19.69	-0.02389	PASS
				10	-19.95	-0.02421	PASS
				20	-19.50	-0.02366	PASS
				30	-18.21	-0.02209	PASS
				40	-17.89	-0.02171	PASS
				50	-17.95	-0.02178	PASS
		MCH	VN	-30	-20.60	-0.02462	PASS
				-20	-20.53	-0.02454	PASS
				-10	-20.99	-0.02509	PASS
				0	-21.24	-0.02539	PASS
				10	-21.57	-0.02578	PASS
				20	-20.15	-0.02409	PASS
				30	-23.31	-0.02786	PASS
				40	-23.31	-0.02786	PASS
				50	-23.31	-0.02786	PASS
		HCH	VN	-30	-21.95	-0.02586	PASS
				-20	-23.76	-0.02799	PASS
				-10	-19.95	-0.0235	PASS
				0	-18.79	-0.02214	PASS
				10	-21.11	-0.02487	PASS
				20	-19.05	-0.02244	PASS
				30	-20.92	-0.02465	PASS
				40	-18.21	-0.02145	PASS
				50	-20.99	-0.02473	PASS
	GSM/TM2	LCH	VN	-30	-37.26	-0.04521	PASS
				-20	-37.61	-0.04563	PASS
				-10	-34.74	-0.04215	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict																																																																																						
				0	-30.03	-0.03644	PASS																																																																																						
				10	-36.06	-0.04375	PASS																																																																																						
				20	-35.13	-0.04262	PASS																																																																																						
				30	-34.71	-0.04211	PASS																																																																																						
				40	-34.32	-0.04164	PASS																																																																																						
				50	-37.16	-0.04509	PASS																																																																																						
		MCH	VN			-30	-33.67	-0.04025	PASS																																																																																				
						-20	-32.06	-0.03832	PASS																																																																																				
						-10	-35.74	-0.04272	PASS																																																																																				
						0	-35.90	-0.04291	PASS																																																																																				
						10	-34.38	-0.04109	PASS																																																																																				
						20	-33.48	-0.04002	PASS																																																																																				
						30	-36.29	-0.04338	PASS																																																																																				
						40	-32.41	-0.03874	PASS																																																																																				
		HCH	VN			50	-35.61	-0.04257	PASS																																																																																				
						-30	-38.81	-0.04572	PASS																																																																																				
						-20	-37.35	-0.044	PASS																																																																																				
						-10	-37.77	-0.0445	PASS																																																																																				
						0	-39.29	-0.04629	PASS																																																																																				
						10	-41.81	-0.04926	PASS																																																																																				
						20	-40.68	-0.04793	PASS																																																																																				
						30	-42.42	-0.04998	PASS																																																																																				
		GSM1900	GSM/TM1	LCH	VN					40	-41.00	-0.0483	PASS	50	-46.10	-0.05431	PASS	-30	-47.91	-0.02589	PASS	-20	-42.68	-0.02307	PASS	-10	-40.16	-0.02171	PASS	0	-42.49	-0.02297	PASS	10	-39.13	-0.02115	PASS	20	-47.27	-0.02555	PASS	30	-41.84	-0.02261	PASS	MCH	VN							40	-44.49	-0.02405	PASS	50	-41.84	-0.02261	PASS	-30	-57.28	-0.03047	PASS									-20	-64.38	-0.03424	PASS	-10	-57.53	-0.0306	PASS	0	-61.34	-0.03263	PASS	10	-60.57	-0.03222	PASS	20	-63.22	-0.03363	PASS
										40	-41.00	-0.0483	PASS																																																																																
										50	-46.10	-0.05431	PASS																																																																																
										-30	-47.91	-0.02589	PASS																																																																																
										-20	-42.68	-0.02307	PASS																																																																																
										-10	-40.16	-0.02171	PASS																																																																																
0	-42.49									-0.02297	PASS																																																																																		
10	-39.13									-0.02115	PASS																																																																																		
20	-47.27									-0.02555	PASS																																																																																		
30	-41.84									-0.02261	PASS																																																																																		
MCH	VN									40	-44.49	-0.02405	PASS	50	-41.84	-0.02261	PASS	-30	-57.28	-0.03047	PASS									-20	-64.38	-0.03424	PASS	-10	-57.53	-0.0306	PASS	0	-61.34	-0.03263	PASS	10	-60.57	-0.03222	PASS	20	-63.22	-0.03363	PASS																																												
										40	-44.49	-0.02405	PASS																																																																																
										50	-41.84	-0.02261	PASS																																																																																
										-30	-57.28	-0.03047	PASS																																																																																
								-20	-64.38	-0.03424	PASS	-10	-57.53	-0.0306	PASS	0	-61.34	-0.03263	PASS	10	-60.57									-0.03222	PASS	20	-63.22	-0.03363	PASS																																																										
								-20	-64.38	-0.03424	PASS																																																																																		
								-10	-57.53	-0.0306	PASS																																																																																		
								0	-61.34	-0.03263	PASS																																																																																		
								10	-60.57	-0.03222	PASS																																																																																		
								20	-63.22	-0.03363	PASS																																																																																		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
				30	-64.06	-0.03407	PASS			
				40	-63.86	-0.03397	PASS			
				50	-59.34	-0.03156	PASS			
		HCH	VN	-30	-63.34	-0.03317	PASS			
				-20	-55.92	-0.02928	PASS			
				-10	-60.57	-0.03172	PASS			
				0	-60.70	-0.03178	PASS			
				10	-61.28	-0.03209	PASS			
				20	-58.24	-0.0305	PASS			
				30	-61.08	-0.03198	PASS			
				40	-56.69	-0.02968	PASS			
				50	-60.63	-0.03175	PASS			
				GSM/TM2	LCH	VN	-30	-45.20	-0.02443	PASS
							-20	-44.68	-0.02415	PASS
							-10	-38.55	-0.02084	PASS
	0	-43.30	-0.0234				PASS			
	10	-38.13	-0.02061				PASS			
	20	-39.32	-0.02125				PASS			
	30	-41.04	-0.02218				PASS			
	40	-40.00	-0.02162				PASS			
	MCH	VN	50		-51.33	-0.02774	PASS			
			-30		-57.34	-0.0305	PASS			
			-20		-63.64	-0.03385	PASS			
			-10		-57.73	-0.03071	PASS			
			0		-62.86	-0.03344	PASS			
			10		-61.41	-0.03266	PASS			
			20		-63.31	-0.03368	PASS			
	HCH	VN	30	-65.35	-0.03476	PASS				
			40	-63.80	-0.03394	PASS				
			50	-51.43	-0.02736	PASS				
			-30	-57.66	-0.03019	PASS				
			-20	-54.98	-0.02879	PASS				
			-10	-58.15	-0.03045	PASS				
			0	-48.98	-0.02565	PASS				
			10	-55.98	-0.02931	PASS				
	20	-54.37	-0.02847	PASS						
	30	-54.79	-0.02869	PASS						
	40	-58.34	-0.03055	PASS						
	50	-54.01	-0.02828	PASS						

## 8.2 For UMTS

### 8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	2.91	0.00352	PASS
				VN	-6.62	-0.00801	PASS
				VH	-11.00	-0.01331	PASS
		MCH	TN	VL	0.64	0.00077	PASS
				VN	-2.59	-0.0031	PASS
				VH	-2.29	-0.00274	PASS
		HCH	TN	VL	-7.05	-0.00833	PASS
				VN	-5.11	-0.00604	PASS
				VH	0.85	0.001	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-8.62	-0.00465	PASS
				VN	-9.69	-0.00523	PASS
				VH	-4.76	-0.00257	PASS
		MCH	TN	VL	-10.64	-0.00566	PASS
				VN	-1.63	-0.00087	PASS
				VH	2.76	0.00147	PASS
		HCH	TN	VL	-11.22	-0.00588	PASS
				VN	2.12	0.00111	PASS
				VH	-8.13	-0.00426	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-1.14	-0.00067	PASS
				VN	7.51	0.00439	PASS
				VH	-0.52	-0.0003	PASS
		MCH	TN	VL	-9.92	-0.00573	PASS
				VN	-3.92	-0.00226	PASS
				VH	6.04	0.00349	PASS
		HCH	TN	VL	5.55	0.00317	PASS
				VN	2.85	0.00163	PASS
				VH	4.85	0.00277	PASS

### 8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	0.20	0.00024	PASS
				-20	3.13	0.00379	PASS
				-10	-2.06	-0.00249	PASS
				0	2.82	0.00341	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				10	0.47	0.00057	PASS						
				20	-0.34	-0.00041	PASS						
				30	4.14	0.00501	PASS						
				40	-3.05	-0.00369	PASS						
				50	3.11	0.00376	PASS						
		MCH	VN			-30	-0.02	-0.00002	PASS				
						-20	-3.37	-0.00403	PASS				
						-10	2.03	0.00243	PASS				
						0	3.19	0.00381	PASS				
						10	-3.01	-0.0036	PASS				
						20	-1.45	-0.00173	PASS				
						30	-3.56	-0.00426	PASS				
						40	0.52	0.00062	PASS				
						50	-3.51	-0.0042	PASS				
						HCH	VN			-30	-1.94	-0.00229	PASS
		-20	-7.45	-0.0088	PASS								
		-10	-6.30	-0.00744	PASS								
		0	-0.70	-0.00083	PASS								
		10	-9.28	-0.01096	PASS								
		20	-6.21	-0.00734	PASS								
		30	-9.31	-0.011	PASS								
		40	-3.91	-0.00462	PASS								
		50	-4.06	-0.0048	PASS								
		WCDMA1900	UMTS/TM1	LCH	VN								
										-30	2.67	0.00144	PASS
										-20	-7.23	-0.0039	PASS
										-10	-0.72	-0.00039	PASS
0	-7.42									-0.00401	PASS		
10	-2.69									-0.00145	PASS		
20	0.24									0.00013	PASS		
30	-7.02									-0.00379	PASS		
40	0.02									0.00001	PASS		
50	-5.68			-0.00307	PASS								
MCH	VN												
										-30	1.91	0.00102	PASS
										-20	-3.51	-0.00187	PASS
										-10	-11.26	-0.00599	PASS
										0	-2.40	-0.00128	PASS
										10	0.43	0.00023	PASS
										20	0.53	0.00028	PASS
		30	-1.91							-0.00102	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				40	5.05	0.00269	PASS
				50	1.72	0.00091	PASS
		HCH	VN	-30	-12.39	-0.0065	PASS
				-20	-14.28	-0.00749	PASS
				-10	-1.27	-0.00067	PASS
				0	3.31	0.00174	PASS
				10	-4.04	-0.00212	PASS
				20	-1.19	-0.00062	PASS
				30	-1.27	-0.00067	PASS
				40	1.28	0.00067	PASS
				50	-1.27	-0.00067	PASS
				WCDMA1700	UMTS/TM1	LCH	VN
-20	4.04	0.00236	PASS				
-10	5.52	0.00322	PASS				
0	5.58	0.00326	PASS				
10	0.64	0.00037	PASS				
20	-0.92	-0.00054	PASS				
30	-2.52	-0.00147	PASS				
40	-1.01	-0.00059	PASS				
50	-2.88	-0.00168	PASS				
MCH	VN	-30	-3.51			-0.00203	PASS
		-20	0.27			0.00016	PASS
		-10	-3.20			-0.00185	PASS
		0	2.17			0.00125	PASS
		10	2.38			0.00137	PASS
		20	-0.32			-0.00018	PASS
		30	-1.46			-0.00084	PASS
		40	2.37			0.00137	PASS
		50	-0.47			-0.00027	PASS
HCH	VN	-30	-3.51			-0.002	PASS
		-20	-3.48			-0.00199	PASS
		-10	4.43			0.00253	PASS
		0	9.64			0.0055	PASS
		10	2.00			0.00114	PASS
		20	3.39			0.00193	PASS
		30	2.76			0.00157	PASS
		40	1.27			0.00072	PASS
		50	-6.26			-0.00357	PASS

### 8.3 For LTE

#### 8.3.1 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	5	LCH	TN	VL	4.76	0.00257	PASS
					VN	3.16	0.00171	PASS
					VH	4.55	0.00246	PASS
			MCH	TN	VL	3.46	0.00184	PASS
					VN	3.46	0.00184	PASS
					VH	2.85	0.00152	PASS
			HCH	TN	VL	2.79	0.00146	PASS
					VN	0.66	0.00035	PASS
					VH	0.82	0.00043	PASS
		10	LCH	TN	VL	3.75	0.00202	PASS
					VN	1.83	0.00099	PASS
					VH	0.23	0.00012	PASS
			MCH	TN	VL	0.60	0.00032	PASS
					VN	-2.15	-0.00114	PASS
					VH	1.40	0.00074	PASS
			HCH	TN	VL	3.22	0.00169	PASS
					VN	2.83	0.00149	PASS
					VH	2.10	0.0011	PASS
		15	LCH	TN	VL	2.33	0.00125	PASS
					VN	0.66	0.00036	PASS
					VH	0.04	0.00002	PASS
			MCH	TN	VL	-0.67	-0.00036	PASS
					VN	2.29	0.00122	PASS
					VH	1.32	0.0007	PASS
HCH	TN		VL	1.02	0.00054	PASS		
			VN	-1.36	-0.00071	PASS		
			VH	0.26	0.00014	PASS		
20	LCH	TN	VL	1.73	0.00093	PASS		
			VN	2.09	0.00112	PASS		
			VH	5.35	0.00288	PASS		
	MCH	TN	VL	1.17	0.00062	PASS		
			VN	0.49	0.00026	PASS		
			VH	0.57	0.0003	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
	LTE/TM2	5	HCH	TN	VL	3.71	0.00195	PASS		
					VN	5.11	0.00269	PASS		
					VH	6.54	0.00344	PASS		
			5	LCH	TN	VL	4.26	0.0023	PASS	
						VN	1.37	0.00074	PASS	
						VH	3.71	0.002	PASS	
				5	MCH	TN	VL	0.39	0.00021	PASS
							VN	4.06	0.00216	PASS
							VH	2.99	0.00159	PASS
		5			HCH	TN	VL	2.16	0.00113	PASS
							VN	3.46	0.00181	PASS
							VH	3.42	0.00179	PASS
		10	LCH	TN	VL	0.43	0.00023	PASS		
					VN	2.19	0.00118	PASS		
					VH	2.07	0.00112	PASS		
			10	MCH	TN	VL	1.62	0.00086	PASS	
						VN	-1.97	-0.00105	PASS	
						VH	1.40	0.00074	PASS	
				10	HCH	TN	VL	1.69	0.00089	PASS
							VN	1.53	0.0008	PASS
							VH	4.49	0.00236	PASS
		15	LCH	TN	VL	0.62	0.00033	PASS		
					VN	1.80	0.00097	PASS		
					VH	3.18	0.00171	PASS		
			15	MCH	TN	VL	-0.14	-0.00007	PASS	
						VN	-0.66	-0.00035	PASS	
						VH	0.39	0.00021	PASS	
			15	HCH	TN	VL	2.85	0.0015	PASS	
						VN	1.66	0.00087	PASS	
						VH	0.99	0.00052	PASS	
		20	LCH	TN	VL	0.67	0.00036	PASS		
					VN	-0.36	-0.00019	PASS		
					VH	0.47	0.00025	PASS		
			20	MCH	TN	VL	-1.52	-0.00081	PASS	
						VN	0.14	0.00007	PASS	
						VH	-0.23	-0.00012	PASS	
			20	HCH	TN	VL	0.83	0.00044	PASS	
						VN	-1.99	-0.00105	PASS	





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
BAND4	LTE/TM1	5	LCH	TN	VH	-1.24	-0.00065	PASS		
					VL	3.38	0.00197	PASS		
					VN	2.83	0.00165	PASS		
			MCH	TN	VH	0.70	0.00041	PASS		
					VL	5.88	0.00339	PASS		
					VN	2.63	0.00152	PASS		
			HCH	TN	VH	2.57	0.00148	PASS		
					VL	-0.20	-0.00011	PASS		
					VN	0.70	0.0004	PASS		
			10	LCH	TN	VH	-0.60	-0.00034	PASS	
						VL	0.03	0.00002	PASS	
						VN	1.42	0.00083	PASS	
		MCH		TN	VH	1.42	0.00083	PASS		
					VL	2.98	0.00172	PASS		
					VN	1.62	0.00094	PASS		
		HCH		TN	VH	2.59	0.00149	PASS		
					VL	2.72	0.00155	PASS		
					VN	0.74	0.00042	PASS		
		15		LCH	TN	VH	-0.29	-0.00017	PASS	
						VL	0.93	0.00054	PASS	
						VN	2.85	0.00166	PASS	
			MCH	TN	VH	0.07	0.00004	PASS		
					VL	2.36	0.00136	PASS		
					VN	-0.64	-0.00037	PASS		
			HCH	TN	VH	2.32	0.00134	PASS		
					VL	1.63	0.00093	PASS		
					VN	0.76	0.00043	PASS		
			20	LCH	TN	VH	1.85	0.00106	PASS	
						VL	-1.16	-0.00067	PASS	
						VN	0.94	0.00055	PASS	
		MCH		TN	VH	-0.94	-0.00055	PASS		
					VL	2.37	0.00137	PASS		
					VN	0.13	0.00008	PASS		
		HCH		TN	VH	1.72	0.00099	PASS		
					VL	-3.45	-0.00198	PASS		
					VN	-1.07	-0.00061	PASS		
		LTE/TM2		5	LCH	TN	VH	0.23	0.00013	PASS
							VL	1.60	0.00093	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	4.51	0.00263	PASS		
					VH	3.55	0.00207	PASS		
					MCH	TN	VL	-0.86	-0.0005	PASS
							VN	5.09	0.00294	PASS
					VH	2.68	0.00155	PASS		
					HCH	TN	VL	0.03	0.00002	PASS
			VN	0.41			0.00023	PASS		
			VH	0.99			0.00056	PASS		
			10	LCH	TN	VL	1.04	0.00061	PASS	
						VN	-4.75	-0.00277	PASS	
						VH	0.24	0.00014	PASS	
						MCH	TN	VL	1.12	0.00065
		VN						1.54	0.00089	PASS
		VH						4.28	0.00247	PASS
		HCH		TN	VL	2.86	0.00163	PASS		
					VN	1.62	0.00093	PASS		
					VH	-0.97	-0.00055	PASS		
		15		LCH	TN	VL	2.90	0.00169	PASS	
						VN	2.37	0.00138	PASS	
						VH	1.87	0.00109	PASS	
			MCH			TN	VL	3.26	0.00188	PASS
							VN	3.03	0.00175	PASS
							VH	1.85	0.00107	PASS
			HCH	TN	VL	-0.40	-0.00023	PASS		
					VN	2.35	0.00134	PASS		
					VH	2.06	0.00118	PASS		
			20	LCH	TN	VL	1.33	0.00077	PASS	
						VN	1.97	0.00115	PASS	
						VH	0.43	0.00025	PASS	
		MCH				TN	VL	0.31	0.00018	PASS
							VN	-0.44	-0.00025	PASS
							VH	0.73	0.00042	PASS
		HCH		TN	VL	1.17	0.00067	PASS		
					VN	-1.70	-0.00097	PASS		
					VH	-0.41	-0.00023	PASS		
		BAND5		LTE/TM1	5	LCH	TN	VL	6.19	0.00749
VN	2.16							0.00261	PASS	
VH	3.73							0.00451	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		10	MCH	TN	VL	3.62	0.00433	PASS		
					VN	3.65	0.00436	PASS		
					VH	3.09	0.00369	PASS		
			HCH	TN	VL	1.46	0.00172	PASS		
					VN	2.63	0.00311	PASS		
					VH	2.72	0.00321	PASS		
			LCH	TN	VL	1.04	0.00125	PASS		
					VN	1.06	0.00128	PASS		
					VH	5.06	0.0061	PASS		
			MCH	TN	VL	0.17	0.0002	PASS		
					VN	2.02	0.00241	PASS		
					VH	3.46	0.00414	PASS		
		HCH	TN	VL	2.35	0.00278	PASS			
				VN	4.29	0.00508	PASS			
				VH	4.39	0.0052	PASS			
		LTE/TM2		5	LCH	TN	VL	2.89	0.0035	PASS
							VN	5.08	0.00615	PASS
							VH	0.31	0.00038	PASS
					MCH	TN	VL	3.03	0.00362	PASS
							VN	3.52	0.00421	PASS
							VH	3.36	0.00402	PASS
				HCH	TN	VL	5.29	0.00625	PASS	
						VN	4.81	0.00568	PASS	
						VH	0.26	0.00031	PASS	
				10	LCH	TN	VL	0.79	0.00095	PASS
							VN	10.00	0.00121	PASS
							VH	3.69	0.00445	PASS
					MCH	TN	VL	-0.03	-0.00004	PASS
							VN	3.10	0.00371	PASS
							VH	1.02	0.00122	PASS
				HCH	TN	VL	3.16	0.00374	PASS	
						VN	2.80	0.00332	PASS	
						VH	1.96	0.00232	PASS	
		BAND12	LTE/TM1	5	LCH	TN	VL	3.93	0.0056	PASS
							VN	4.55	0.00649	PASS
							VH	6.59	0.00939	PASS
MCH	TN				VL	0.29	0.00041	PASS		
					VN	9.06	.01281	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	3.23	0.00457	PASS	
					VL	3.05	0.00427	PASS	
					VN	3.46	0.00485	PASS	
				LCH	TN	VH	1.77	0.00248	PASS
						VL	3.78	0.00537	PASS
						VN	-1.46	-0.00207	PASS
		10	MCH	TN	VH	-3.68	-0.00523	PASS	
					VL	0.37	0.00052	PASS	
					VN	4.69	0.00663	PASS	
			HCH	TN	VH	0.96	0.00136	PASS	
					VL	0.16	0.00023	PASS	
					VN	-0.63	-0.00089	PASS	
		LTE/TM2	5	LCH	TN	VH	-0.31	-0.00044	PASS
						VL	3.91	0.00557	PASS
						VN	-3.58	-0.0051	PASS
				MCH	TN	VH	3.91	0.00557	PASS
						VL	9.30	.01314	PASS
						VN	8.23	.01163	PASS
	HCH		TN	VH	7.85	.0111	PASS		
				VL	4.31	0.00604	PASS		
				VN	2.85	0.00399	PASS		
	10		LCH	TN	VH	0.79	0.00111	PASS	
					VL	-4.42	-0.00628	PASS	
					VN	4.01	0.0057	PASS	
			MCH	TN	VH	1.50	0.00213	PASS	
					VL	1.66	0.00235	PASS	
					VN	1.43	0.00202	PASS	
	HCH		TN	VH	3.66	0.00517	PASS		
				VL	-0.20	-0.00028	PASS		
				VN	1.32	0.00186	PASS		
	BAND17	LTE/TM1	5	LCH	TN	VH	4.45	0.00626	PASS
						VL	3.58	0.00507	PASS
						VN	4.79	0.00678	PASS
			MCH	TN	VH	0.83	0.00117	PASS	
					VL	-1.73	-0.00244	PASS	
					VN	4.03	0.00568	PASS	
HCH			TN	VH	9.14	.01287	PASS		
				VL	4.71	0.0066	PASS		
				VN					



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	3.20	0.00448	PASS	
					VH	1.67	0.00234	PASS	
					VL	-0.56	-0.00079	PASS	
			VN	3.28	0.00463	PASS			
			VH	0.24	0.00034	PASS			
			VL	2.56	0.00361	PASS			
		MCH	TN	VN	-1.16	-0.00163	PASS		
				VH	2.46	0.00346	PASS		
				VL	0.54	0.00076	PASS		
		HCH	TN	VN	0.82	0.00115	PASS		
				VH	0.86	0.00121	PASS		
				VL	2.52	0.00357	PASS		
		LTE/TM2	5	LCH	TN	VN	4.39	0.00621	PASS
						VH	8.10	.01146	PASS
						VL	3.50	0.00493	PASS
	MCH			TN	VN	5.54	0.0078	PASS	
					VH	7.41	.01044	PASS	
					VL	6.21	0.0087	PASS	
	HCH			TN	VN	8.43	.01181	PASS	
					VH	-3.59	-0.00503	PASS	
					VL	0.97	0.00137	PASS	
	10		LCH	TN	VN	1.72	0.00243	PASS	
					VH	0.21	0.0003	PASS	
					VL	2.70	0.0038	PASS	
			MCH	TN	VN	0.07	0.0001	PASS	
					VH	-0.10	-0.00014	PASS	
					VL	1.77	0.00249	PASS	
		HCH	TN	VN	-0.54	-0.00076	PASS		
				VH	0.36	0.00051	PASS		
				VL	0.36	0.00051	PASS		

8.3.2 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	5	LCH	VN	-30	-1.86	-0.001	PASS
					-20	-1.34	-0.00072	PASS
					-10	-1.92	-0.00104	PASS
					0	-2.53	-0.00137	PASS
					10	-2.79	-0.00151	PASS
					20	-4.39	-0.00237	PASS
					30	-6.58	-0.00355	PASS
					40	-5.24	-0.00283	PASS
					50	-3.40	-0.00184	PASS
			MCH	VN	-30	-1.16	-0.00062	PASS
					-20	-9.84	-0.00523	PASS
					-10	-14.91	-0.00793	PASS
					0	2.42	0.00129	PASS
					10	-3.02	-0.00161	PASS
					20	-10.21	-0.00543	PASS
					30	-17.75	-0.00944	PASS
					40	3.43	0.00182	PASS
					50	-3.28	-0.00174	PASS
		HCH	VN	-30	3.93	0.00206	PASS	
				-20	3.96	0.00208	PASS	
				-10	2.10	0.0011	PASS	
				0	0.50	0.00026	PASS	
				10	-3.33	-0.00175	PASS	
				20	-5.31	-0.00278	PASS	
				30	-4.61	-0.00242	PASS	
				40	-6.04	-0.00317	PASS	
				50	-2.76	-0.00145	PASS	
		10	LCH	VN	-30	-2.37	-0.00128	PASS
					-20	0.06	0.00003	PASS
					-10	3.56	0.00192	PASS
					0	6.61	0.00356	PASS
					10	8.28	0.00446	PASS
					20	5.64	0.00304	PASS
					30	-1.32	-0.00071	PASS
					40	-6.88	-0.00371	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15	MCH	VN	50	-12.52	-0.00675	PASS
					-30	0.67	0.00036	PASS
					-20	-5.41	-0.00288	PASS
					-10	-15.86	-0.00844	PASS
					0	-0.30	-0.00016	PASS
					10	-9.70	-0.00516	PASS
					20	-12.89	-0.00686	PASS
					30	1.87	0.00099	PASS
					40	-8.08	-0.0043	PASS
			50	-17.35	-0.00923	PASS		
			HCH	VN	-30	0.26	0.00014	PASS
					-20	0.34	0.00018	PASS
					-10	-1.99	-0.00104	PASS
					0	-3.73	-0.00196	PASS
					10	-6.85	-0.0036	PASS
					20	-10.79	-0.00566	PASS
					30	-11.52	-0.00605	PASS
					40	9.24	0.00485	PASS
		50			6.78	0.00356	PASS	
		LCH	VN	-30	-6.19	-0.00333	PASS	
				-20	-7.57	-0.00408	PASS	
				-10	-9.27	-0.00499	PASS	
				0	-11.54	-0.00621	PASS	
				10	-15.05	-0.0081	PASS	
				20	-1.92	-0.00103	PASS	
				30	3.82	0.00206	PASS	
				40	2.57	0.00138	PASS	
				50	-1.47	-0.00079	PASS	
		MCH	VN	-30	0.00	0	PASS	
				-20	-11.04	-0.00587	PASS	
				-10	3.52	0.00187	PASS	
				0	-9.47	-0.00504	PASS	
				10	-5.22	-0.00278	PASS	
				20	-4.09	-0.00218	PASS	
				30	-15.16	-0.00806	PASS	
				40	4.21	0.00224	PASS	
				50	-1.02	-0.00054	PASS	
		HCH	VN	-30	-9.17	-0.00482	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-8.61	-0.00453	PASS		
					-10	-6.25	-0.00329	PASS		
					0	-4.29	-0.00225	PASS		
					10	-5.24	-0.00275	PASS		
					20	-4.32	-0.00227	PASS		
					30	-5.25	-0.00276	PASS		
					40	-4.88	-0.00257	PASS		
					50	-6.88	-0.00362	PASS		
		LCH	VN	20			-30	6.58	0.00354	PASS
							-20	8.74	0.0047	PASS
							-10	8.80	0.00473	PASS
							0	6.59	0.00354	PASS
							10	-10.49	-0.00564	PASS
							20	-8.35	-0.00449	PASS
							30	-6.39	-0.00344	PASS
							40	-4.02	-0.00216	PASS
		MCH	VN	20			-30	-6.62	-0.00352	PASS
							-20	-10.83	-0.00576	PASS
							-10	-12.32	-0.00655	PASS
							0	3.15	0.00168	PASS
	10						-4.51	-0.0024	PASS	
	20						-8.40	-0.00447	PASS	
	30						-13.98	-0.00744	PASS	
	40						4.26	0.00227	PASS	
	HCH	VN	20			50	-0.43	-0.00023	PASS	
						-30	-5.48	-0.00288	PASS	
						-20	-0.70	-0.00037	PASS	
						-10	-1.27	-0.00067	PASS	
						0	-1.06	-0.00056	PASS	
						10	-2.93	-0.00154	PASS	
						20	-2.37	-0.00125	PASS	
						30	-2.50	-0.00132	PASS	
	LCH	VN	5			-30	-10.41	-0.00562	PASS	
-20						-4.31	-0.00233	PASS		
-10						-0.92	-0.0005	PASS		







Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict							
					20	1.13	0.0006	PASS							
					30	-2.68	-0.00143	PASS							
					40	-4.99	-0.00265	PASS							
					50	-5.87	-0.00312	PASS							
			HCH	VN				-30	4.42	0.00232	PASS				
								-20	-1.80	-0.00094	PASS				
								-10	-3.50	-0.00184	PASS				
								0	-6.68	-0.00351	PASS				
								10	-6.11	-0.00321	PASS				
								20	-7.68	-0.00403	PASS				
								30	-9.67	-0.00508	PASS				
								40	-8.41	-0.00441	PASS				
		50						-11.03	-0.00579	PASS					
		LCH						VN				-30	1.70	0.00092	PASS
												-20	-2.39	-0.00129	PASS
												-10	-0.97	-0.00052	PASS
			0	3.99	0.00215	PASS									
			10	3.50	0.00188	PASS									
			20	2.12	0.00114	PASS									
			30	1.70	0.00092	PASS									
			40	-1.29	-0.00069	PASS									
			50	-2.78	-0.0015	PASS									
			MCH	VN	15							-30	-10.91	-0.0058	PASS
												-20	6.34	0.00337	PASS
												-10	-6.09	-0.00324	PASS
		0						-14.10	-0.0075	PASS					
		10						-0.54	-0.00029	PASS					
		20						-1.90	-0.00101	PASS					
		30						-4.32	-0.0023	PASS					
		40						-13.75	-0.00731	PASS					
		50						-2.72	-0.00145	PASS					
		HCH						VN	15			-30	-0.24	-0.00013	PASS
												-20	-3.18	-0.00167	PASS
												-10	-0.04	-0.00002	PASS
			0	-0.09	-0.00005	PASS									
			10	-3.28	-0.00172	PASS									
20	-7.24		-0.00381	PASS											
30	-7.61		-0.004	PASS											

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-11.06	-0.00581	PASS
					50	-13.36	-0.00702	PASS
		20	LCH	VN	-30	-4.22	-0.00227	PASS
					-20	-6.29	-0.00338	PASS
					-10	-7.27	-0.00391	PASS
					0	-4.86	-0.00261	PASS
					10	-5.64	-0.00303	PASS
					20	-1.62	-0.00087	PASS
					30	0.19	0.0001	PASS
					40	-1.22	-0.00066	PASS
					50	-2.85	-0.00153	PASS
			MCH	VN	-30	-9.83	-0.00523	PASS
					-20	-17.58	-0.00935	PASS
					-10	-0.60	-0.00032	PASS
					0	-8.18	-0.00435	PASS
					10	-12.27	-0.00653	PASS
					20	-18.14	-0.00965	PASS
					30	0.62	0.00033	PASS
					40	-2.15	-0.00114	PASS
					50	-9.76	-0.00519	PASS
		HCH	VN	-30	0.92	0.00048	PASS	
				-20	0.53	0.00028	PASS	
				-10	-1.76	-0.00093	PASS	
				0	-1.57	-0.00083	PASS	
				10	-1.96	-0.00103	PASS	
				20	-2.09	-0.0011	PASS	
				30	-1.83	-0.00096	PASS	
				40	-1.13	-0.00059	PASS	
		50	-1.59	-0.00084	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND4	LTE/TM1	5	LCH	VN	-30	0.16	0.00009	PASS
					-20	2.35	0.00137	PASS
					-10	5.41	0.00316	PASS
					0	1.49	0.00087	PASS
					10	3.25	0.0019	PASS
					20	3.92	0.00229	PASS
					30	-0.30	-0.00018	PASS
					40	2.46	0.00144	PASS
			50	1.96	0.00114	PASS		
			MCH	VN	-30	4.79	0.00276	PASS
					-20	3.99	0.0023	PASS
					-10	4.28	0.00247	PASS
					0	-1.12	-0.00065	PASS
					10	6.48	0.00374	PASS
					20	3.69	0.00213	PASS
					30	1.17	0.00068	PASS
					40	3.82	0.0022	PASS
			50	1.57	0.00091	PASS		
			HCH	VN	-30	-0.46	-0.00026	PASS
					-20	2.19	0.00125	PASS
					-10	2.17	0.00124	PASS
					0	2.29	0.00131	PASS
					10	-0.29	-0.00017	PASS
					20	-1.57	-0.0009	PASS
		30			2.69	0.00153	PASS	
		40			1.16	0.00066	PASS	
		50	4.19	0.00239	PASS			
		10	LCH	VN	-30	-1.20	-0.0007	PASS
					-20	1.09	0.00064	PASS
					-10	0.01	0.00001	PASS
					0	2.37	0.00138	PASS
					10	-1.36	-0.00079	PASS
20	1.43				0.00083	PASS		
30	-2.30				-0.00134	PASS		
40	1.34				0.00078	PASS		
50	0.17	0.0001	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	4.86	0.00281	PASS
					-20	1.26	0.00073	PASS
					-10	2.73	0.00158	PASS
					0	4.29	0.00248	PASS
					10	0.41	0.00024	PASS
					20	4.56	0.00263	PASS
					30	1.20	0.00069	PASS
					40	2.88	0.00166	PASS
					50	-0.34	-0.0002	PASS
			HCH	VN	-30	-0.20	-0.00011	PASS
					-20	3.86	0.00221	PASS
					-10	2.75	0.00157	PASS
					0	1.14	0.00065	PASS
					10	-0.97	-0.00055	PASS
					20	3.13	0.00179	PASS
					30	2.66	0.00152	PASS
					40	1.17	0.00067	PASS
					50	2.26	0.00129	PASS
		15	LCH	VN	-30	0.89	0.00052	PASS
					-20	2.36	0.00137	PASS
					-10	1.26	0.00073	PASS
					0	2.45	0.00143	PASS
					10	2.13	0.00124	PASS
					20	0.13	0.00008	PASS
					30	3.08	0.00179	PASS
					40	1.14	0.00066	PASS
					50	0.04	0.00002	PASS
			MCH	VN	-30	1.57	0.00091	PASS
					-20	1.37	0.00079	PASS
					-10	30.00	0.00173	PASS
					0	1.19	0.00069	PASS
					10	1.65	0.00095	PASS
					20	-0.49	-0.00028	PASS
					30	-1.22	-0.0007	PASS
					40	0.74	0.00043	PASS
					50	4.95	0.00286	PASS
HCH	VN	-30	0.14	0.00008	PASS			
		-20	1.17	0.00067	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					-10	-0.09	-0.00005	PASS					
					0	1.75	0.001	PASS					
					10	1.83	0.00105	PASS					
					20	0.59	0.00034	PASS					
					30	3.45	0.00197	PASS					
					40	1.66	0.00095	PASS					
					50	1.34	0.00077	PASS					
					LCH	VN	20			-30	2.85	0.00166	PASS
										-20	-1.23	-0.00072	PASS
										-10	1.80	0.00105	PASS
										0	-0.40	-0.00023	PASS
										10	0.63	0.00037	PASS
										20	0.84	0.00049	PASS
										30	1.63	0.00095	PASS
		40	1.52	0.00088						PASS			
		MCH	VN					50	2.36	0.00137	PASS		
								-30	-0.73	-0.00042	PASS		
								-20	0.01	0.00001	PASS		
								-10	0.16	0.00009	PASS		
								0	0.77	0.00044	PASS		
								10	-1.16	-0.00067	PASS		
							20	-1.67	-0.00096	PASS			
							30	0.84	0.00048	PASS			
		HCH	VN				40	3.03	0.00175	PASS			
							50	0.21	0.00012	PASS			
							-30	-2.93	-0.00168	PASS			
							-20	-1.72	-0.00099	PASS			
							-10	-1.92	-0.0011	PASS			
							0	-1.53	-0.00088	PASS			
							10	-2.98	-0.00171	PASS			
							20	-0.92	-0.00053	PASS			
		LCH	VN	5			30	0.63	0.00036	PASS			
							40	-0.04	-0.00002	PASS			
							50	-0.26	-0.00015	PASS			
							-30	0.03	0.00002	PASS			
							-20	3.30	0.00193	PASS			
							-10	1.54	0.0009	PASS			
							0	2.52	0.00147	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	4.55	0.00266	PASS
					20	4.38	0.00256	PASS
					30	3.65	0.00213	PASS
					40	2.73	0.00159	PASS
					50	0.07	0.00004	PASS
			MCH	VN	-30	3.12	0.0018	PASS
					-20	2.60	0.0015	PASS
					-10	-0.36	-0.00021	PASS
					0	2.35	0.00136	PASS
					10	3.73	0.00215	PASS
					20	0.54	0.00031	PASS
					30	-0.79	-0.00046	PASS
					40	1.16	0.00067	PASS
			HCH	VN	50	0.66	0.00038	PASS
					-30	1.90	0.00108	PASS
					-20	0.27	0.00015	PASS
					-10	-0.73	-0.00042	PASS
					0	1.29	0.00074	PASS
					10	1.12	0.00064	PASS
					20	0.40	0.00023	PASS
		30			-1.80	-0.00103	PASS	
		10	LCH	VN	40	1.32	0.00075	PASS
					50	3.02	0.00172	PASS
					-30	1.32	0.00077	PASS
					-20	1.46	0.00085	PASS
					-10	-0.27	-0.00016	PASS
					0	0.43	0.00025	PASS
					10	-1.00	-0.00058	PASS
			MCH	VN	20	-0.82	-0.00048	PASS
					30	1.07	0.00062	PASS
					40	2.57	0.0015	PASS
					50	-0.93	-0.00054	PASS
					-30	2.96	0.00171	PASS
-20	2.55				0.00147	PASS		
					-10	30.00	0.00173	PASS
					0	1.24	0.00072	PASS
					10	3.26	0.00188	PASS
					20	4.15	0.0024	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	3.08	0.00178	PASS		
					40	2.57	0.00148	PASS		
					50	3.52	0.00203	PASS		
			HCH	VN	-30	5.89	0.00337	PASS		
					-20	2.80	0.0016	PASS		
					-10	1.32	0.00075	PASS		
					0	-0.40	-0.00023	PASS		
					10	1.46	0.00083	PASS		
					20	0.47	0.00027	PASS		
					30	1.14	0.00065	PASS		
					40	2.72	0.00155	PASS		
					50	0.19	0.00011	PASS		
		15			LCH	VN	-30	0.59	0.00034	PASS
							-20	-0.19	-0.00011	PASS
							-10	3.10	0.0018	PASS
			0	0.76			0.00044	PASS		
			10	-0.19			-0.00011	PASS		
			20	1.96			0.00114	PASS		
			30	1.72			0.001	PASS		
			40	-0.16			-0.00009	PASS		
			50	0.84			0.00049	PASS		
			MCH	VN			-30	1.27	0.00073	PASS
							-20	0.27	0.00016	PASS
							-10	0.79	0.00046	PASS
							0	1.42	0.00082	PASS
							10	1.09	0.00063	PASS
							20	0.59	0.00034	PASS
							30	-0.26	-0.00015	PASS
							40	3.19	0.00184	PASS
			HCH	VN			-30	0.56	0.00032	PASS
		-30			1.16	0.00066	PASS			
		-20			1.12	0.00064	PASS			
		-10			3.56	0.00204	PASS			
		0			0.49	0.00028	PASS			
		10			1.93	0.0011	PASS			
		20			2.37	0.00136	PASS			
		30			2.70	0.00155	PASS			
		40	3.33	0.00191	PASS					





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	VN	50	-1.85	-0.00106	PASS
					-30	1.47	0.00085	PASS
					-20	-0.46	-0.00027	PASS
					-10	-0.19	-0.00011	PASS
					0	-1.36	-0.00079	PASS
					10	1.23	0.00072	PASS
					20	0.90	0.00052	PASS
					30	0.96	0.00056	PASS
					40	2.26	0.00131	PASS
			50	0.67	0.00039	PASS		
			MCH	VN	-30	1.70	0.00098	PASS
					-20	3.08	0.00178	PASS
					-10	1.22	0.0007	PASS
					0	-0.47	-0.00027	PASS
					10	1.20	0.00069	PASS
					20	2.22	0.00128	PASS
					30	1.27	0.00073	PASS
					40	0.37	0.00021	PASS
					50	-0.30	-0.00017	PASS
			HCH	VN	-30	-1.02	-0.00058	PASS
					-20	-3.26	-0.00187	PASS
					-10	-0.16	-0.00009	PASS
					0	-0.64	-0.00037	PASS
					10	-0.06	-0.00003	PASS
					20	-1.12	-0.00064	PASS
					30	1.44	0.00083	PASS
					40	0.80	0.00046	PASS
					50	-2.45	-0.0014	PASS
BAND5	LTE/TM1	5	LCH	VN	-30	5.16	0.00624	PASS
					-20	3.22	0.0039	PASS
					-10	0.80	0.00097	PASS
					0	2.22	0.00269	PASS
					10	2.45	0.00296	PASS
					20	1.72	0.00208	PASS
					30	2.36	0.00286	PASS
					40	3.66	0.00443	PASS
					50	3.95	0.00478	PASS
			MCH	VN	-30	2.03	0.00243	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					-20	2.63	0.00314	PASS				
					-10	1.89	0.00226	PASS				
					0	2.50	0.00299	PASS				
					10	1.62	0.00194	PASS				
					20	1.93	0.00231	PASS				
					30	3.98	0.00476	PASS				
					40	3.16	0.00378	PASS				
					50	3.25	0.00389	PASS				
			HCH	VN				-30	3.46	0.00409	PASS	
								-20	0.93	0.0011	PASS	
								-10	4.32	0.0051	PASS	
								0	2.22	0.00262	PASS	
								10	1.59	0.00188	PASS	
								20	4.63	0.00547	PASS	
								30	0.64	0.00076	PASS	
								40	2.98	0.00352	PASS	
			50	4.18		0.00494	PASS					
			LCH	VN					-30	2.89	0.00349	PASS
									-20	3.16	0.00381	PASS
									-10	0.84	0.00101	PASS
									0	1.56	0.00188	PASS
		10							0.87	0.00105	PASS	
		20							3.03	0.00366	PASS	
		30							2.19	0.00264	PASS	
		40							1.75	0.00211	PASS	
		50	-0.06	-0.00007			PASS					
		MCH	VN						-30	-0.14	-0.00017	PASS
									-20	3.05	0.00365	PASS
									-10	2.55	0.00305	PASS
					0				4.16	0.00497	PASS	
					10				2.16	0.00258	PASS	
					20				-0.14	-0.00017	PASS	
					30				0.21	0.00025	PASS	
					40				1.10	0.00132	PASS	
		50	1.13		0.00135		PASS					
		HCH	VN						-30	0.53	0.00063	PASS
									-20	1.12	0.00133	PASS
									-10	4.46	0.00528	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					0	3.88	0.0046	PASS				
					10	1.93	0.00229	PASS				
					20	2.35	0.00278	PASS				
					30	1.33	0.00158	PASS				
					40	1.29	0.00153	PASS				
					50	3.02	0.00358	PASS				
					LTE/TM2	5	LCH	VN	-30	4.35	0.00526	PASS
									-20	1.10	0.00133	PASS
									-10	2.72	0.00329	PASS
									0	1.20	0.00145	PASS
									10	2.55	0.00309	PASS
									20	3.22	0.0039	PASS
									30	2.10	0.00254	PASS
									40	2.07	0.0025	PASS
									50	2.26	0.00273	PASS
	MCH	VN	-30	2.86					0.00342	PASS		
			-20	2.75					0.00329	PASS		
			-10	3.63					0.00434	PASS		
			0	4.08					0.00488	PASS		
			10	3.43					0.0041	PASS		
			20	3.73					0.00446	PASS		
			30	3.43					0.0041	PASS		
			40	2.19					0.00262	PASS		
			50	2.13					0.00255	PASS		
	HCH	VN	-30	3.79	0.00448	PASS						
			-20	1.57	0.00185	PASS						
			-10	3.78	0.00447	PASS						
			0	3.79	0.00448	PASS						
			10	6.14	0.00725	PASS						
			20	2.40	0.00284	PASS						
			30	4.01	0.00474	PASS						
			40	2.37	0.0028	PASS						
			50	2.49	0.00294	PASS						
	10	LCH	VN	-30	1.66	0.002	PASS					
				-20	2.20	0.00265	PASS					
-10				-3.35	-0.00404	PASS						
0				4.02	0.00485	PASS						
10				4.33	0.00522	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.73	0.00088	PASS
					30	2.30	0.00277	PASS
					40	1.92	0.00232	PASS
					50	0.46	0.00055	PASS
			MCH	VN	-30	0.60	0.00072	PASS
					-20	-1.20	-0.00143	PASS
					-10	1.39	0.00166	PASS
					0	-0.70	-0.00084	PASS
					10	10.00	0.0012	PASS
					20	1.10	0.00132	PASS
					30	3.06	0.00366	PASS
					40	0.69	0.00082	PASS
			HCH	VN	50	5.51	0.00659	PASS
					-30	0.41	0.00049	PASS
					-20	1.17	0.00139	PASS
					-10	0.89	0.00105	PASS
					0	1.04	0.00123	PASS
					10	0.39	0.00046	PASS
					20	1.30	0.00154	PASS
					30	3.33	0.00395	PASS
BAND12	LTE/TM1	5	LCH	VN	40	3.20	0.00379	PASS
					50	0.62	0.00073	PASS
					-30	6.72	0.00958	PASS
					-20	-2.42	-0.00345	PASS
					-10	2.07	0.00295	PASS
					0	9.77	0.01393	PASS
					10	3.38	0.00482	PASS
					20	6.32	0.00901	PASS
			MCH	VN	30	9.16	0.01306	PASS
					40	0.79	0.00113	PASS
					50	8.31	.01185	PASS
					-30	3.59	0.00507	PASS
					-20	7.80	0.01102	PASS
					-10	7.10	0.01004	PASS
0	-2.62	-0.0037	PASS					
10	4.29	0.00606	PASS					
20	6.51	0.0092	PASS					
30	-1.24	-0.00175	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	6.34	0.00896	PASS
					50	4.42	0.00625	PASS
			HCH	VN	-30	3.50	0.00491	PASS
					-20	2.56	0.00359	PASS
					-10	2.55	0.00357	PASS
					0	2.37	0.00332	PASS
					10	4.21	0.0059	PASS
					20	-0.10	-0.00014	PASS
					30	4.42	0.00619	PASS
					40	3.49	0.00489	PASS
		50	3.36	0.00471	PASS			
		10	LCH	VN	-30	1.67	0.00237	PASS
					-20	-2.23	-0.00317	PASS
					-10	-0.33	-0.00047	PASS
					0	3.91	0.00555	PASS
					10	3.16	0.00449	PASS
					20	2.85	0.00405	PASS
					30	0.23	0.00033	PASS
					40	0.23	0.00033	PASS
			50	-1.46	-0.00207	PASS		
			MCH	VN	-30	1.37	0.00194	PASS
					-20	1.66	0.00235	PASS
					-10	1.43	0.00202	PASS
					0	-0.03	-0.00004	PASS
					10	-0.10	-0.00014	PASS
					20	-0.04	-0.00006	PASS
					30	0.76	0.00107	PASS
					40	-0.43	-0.00061	PASS
			50	0.17	0.00024	PASS		
			HCH	VN	-30	1.89	0.00266	PASS
					-20	0.21	0.0003	PASS
					-10	1.52	0.00214	PASS
					0	0.51	0.00072	PASS
					10	3.15	0.00443	PASS
					20	2.27	0.00319	PASS
					30	3.19	0.00449	PASS
					40	2.37	0.00333	PASS
			50	3.49	0.00491	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	-30	2.52	0.00359	PASS
					-20	1.09	0.00155	PASS
					-10	3.33	0.00475	PASS
					0	0.16	0.00023	PASS
					10	11.34	0.01617	PASS
					20	-1.83	-0.00261	PASS
					30	6.72	0.00958	PASS
					40	5.99	0.00854	PASS
			50	8.84	0.0126	PASS		
			MCH	VN	-30	7.30	0.01032	PASS
					-20	3.65	0.00516	PASS
					-10	1.80	0.00254	PASS
					0	4.82	0.00681	PASS
					10	6.49	0.00917	PASS
					20	10.03	0.01418	PASS
					30	8.85	0.01251	PASS
					40	5.04	0.00712	PASS
			HCH	VN	-30	5.02	0.00704	PASS
					-20	3.12	0.00437	PASS
					-10	2.93	0.00411	PASS
					0	2.93	0.00411	PASS
					10	4.58	0.00642	PASS
					20	-2.42	-0.00339	PASS
					30	0.80	0.00112	PASS
		40			6.90	0.00967	PASS	
		10	LCH	VN	-30	4.89	0.00695	PASS
					-20	0.60	0.00085	PASS
					-10	1.07	0.00152	PASS
					0	2.47	0.00351	PASS
					10	-0.10	-0.00014	PASS
					20	2.49	0.00354	PASS
					30	-0.24	-0.00034	PASS
					40	-2.06	-0.00293	PASS
			50	0.86	0.00122	PASS		
			MCH	VN	-30	1.89	0.00267	PASS
					-20	1.43	0.00202	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					-10	-1.69	-0.00239	PASS					
					0	-1.93	-0.00273	PASS					
					10	0.43	0.00061	PASS					
					20	5.36	0.00758	PASS					
					30	0.24	0.00034	PASS					
					40	0.74	0.00105	PASS					
					50	1.09	0.00154	PASS					
			HCH	VN	-30	2.30	0.00323	PASS					
					-20	0.89	0.00125	PASS					
					-10	0.20	0.00028	PASS					
					0	1.60	0.00225	PASS					
					10	3.29	0.00463	PASS					
					20	1.32	0.00186	PASS					
					30	1.19	0.00167	PASS					
					40	1.89	0.00266	PASS					
					50	2.89	0.00406	PASS					
					BAND17	LTE/TM1	5	LCH	VN	-30	4.41	0.00624	PASS
										-20	11.46	0.01622	PASS
-10	6.38	0.00903	PASS										
0	1.14	0.00161	PASS										
10	7.08	0.01002	PASS										
20	4.88	0.00691	PASS										
30	6.12	0.00866	PASS										
40	5.52	0.00781	PASS										
50	5.59	0.00791	PASS										
MCH	VN	-30	2.70	0.0038				PASS					
		-20	2.15	0.00303				PASS					
		-10	9.98	0.01406				PASS					
		0	12.35	0.01739				PASS					
		10	7.81	0.011				PASS					
		20	1.36	0.00192				PASS					
		30	2.66	0.00375				PASS					
		40	5.02	0.00707				PASS					
HCH	VN	50	2.78	0.00392				PASS					
		-30	2.70	0.00378				PASS					
		-20	1.02	0.00143				PASS					
		-10	8.43	.01181				PASS					
		0	6.45	0.00904				PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	0.99	0.00139	PASS			
					20	2.60	0.00364	PASS			
					30	4.89	0.00685	PASS			
					40	3.59	0.00503	PASS			
					50	1.77	0.00248	PASS			
			LCH	VN				-30	-0.83	-0.00117	PASS
								-20	1.57	0.00221	PASS
								-10	0.10	0.00014	PASS
								0	-2.15	-0.00303	PASS
								10	2.35	0.00331	PASS
		20						-0.31	-0.00044	PASS	
		30						0.92	0.0013	PASS	
		40						1.50	0.00212	PASS	
		50						3.12	0.0044	PASS	
		MCH						VN	10		
			-20	-1.33	-0.00187	PASS					
			-10	-2.45	-0.00345	PASS					
			0	-1.24	-0.00175	PASS					
			10	-0.26	-0.00037	PASS					
			20	3.72	0.00524	PASS					
			30	2.42	0.00341	PASS					
			40	0.07	0.0001	PASS					
			50	2.00	0.00282	PASS					
			HCH	VN	10						
		-20						-0.33	-0.00046	PASS	
	-10	2.99						0.00421	PASS		
	0	0.97						0.00136	PASS		
	10	0.87						0.00122	PASS		
	20	2.73						0.00384	PASS		
	30	0.07						0.0001	PASS		
	40	2.70						0.0038	PASS		
	50	2.46	0.00346	PASS							
LTE/TM2	5	LCH	VN		-30	3.33	0.00471	PASS			
					-20	0.33	0.00047	PASS			
					-10	-0.59	-0.00084	PASS			
					0	6.31	0.00893	PASS			
					10	7.40	.01047	PASS			
					20	2.78	0.00393	PASS			





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	5.94	0.00841	PASS
					40	0.67	0.00095	PASS
					50	5.49	0.00777	PASS
			MCH	VN	-30	2.69	0.00379	PASS
					-20	2.20	0.0031	PASS
					-10	6.05	0.00852	PASS
					0	-0.31	-0.00044	PASS
					10	2.05	0.00289	PASS
					20	5.82	0.0082	PASS
					30	2.10	0.00296	PASS
					40	1.24	0.00175	PASS
					50	2.66	0.00375	PASS
			HCH	VN	-30	3.08	0.00432	PASS
					-20	5.14	0.0072	PASS
					-10	1.02	0.00143	PASS
					0	2.76	0.00387	PASS
					10	3.00	0.0042	PASS
					20	1.27	0.00178	PASS
		30			8.87	.01243	PASS	
		10	LCH	VN	-30	3.62	0.00511	PASS
					-20	2.78	0.00392	PASS
					-10	1.26	0.00178	PASS
					0	3.69	0.0052	PASS
					10	1.06	0.0015	PASS
					20	1.85	0.00261	PASS
					30	3.06	0.00432	PASS
					40	1.33	0.00188	PASS
					50	2.30	0.00324	PASS
			MCH	VN	-30	-0.29	-0.00041	PASS
					-20	-0.19	-0.00027	PASS
					-10	0.19	0.00027	PASS
					0	-1.33	-0.00187	PASS
					10	1.79	0.00252	PASS
					20	-0.40	-0.00056	PASS
					30	1.62	0.00228	PASS
					40	0.43	0.00061	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	0.72	0.00101	PASS
			HCH	VN	-30	3.43	0.00482	PASS
					-20	2.16	0.00304	PASS
					-10	-0.73	-0.00103	PASS
					0	0.01	0.00001	PASS
					10	0.37	0.00052	PASS
					20	0.09	0.00013	PASS
					30	0.34	0.00048	PASS
					40	2.70	0.0038	PASS
					50	0.90	0.00127	PASS

END