

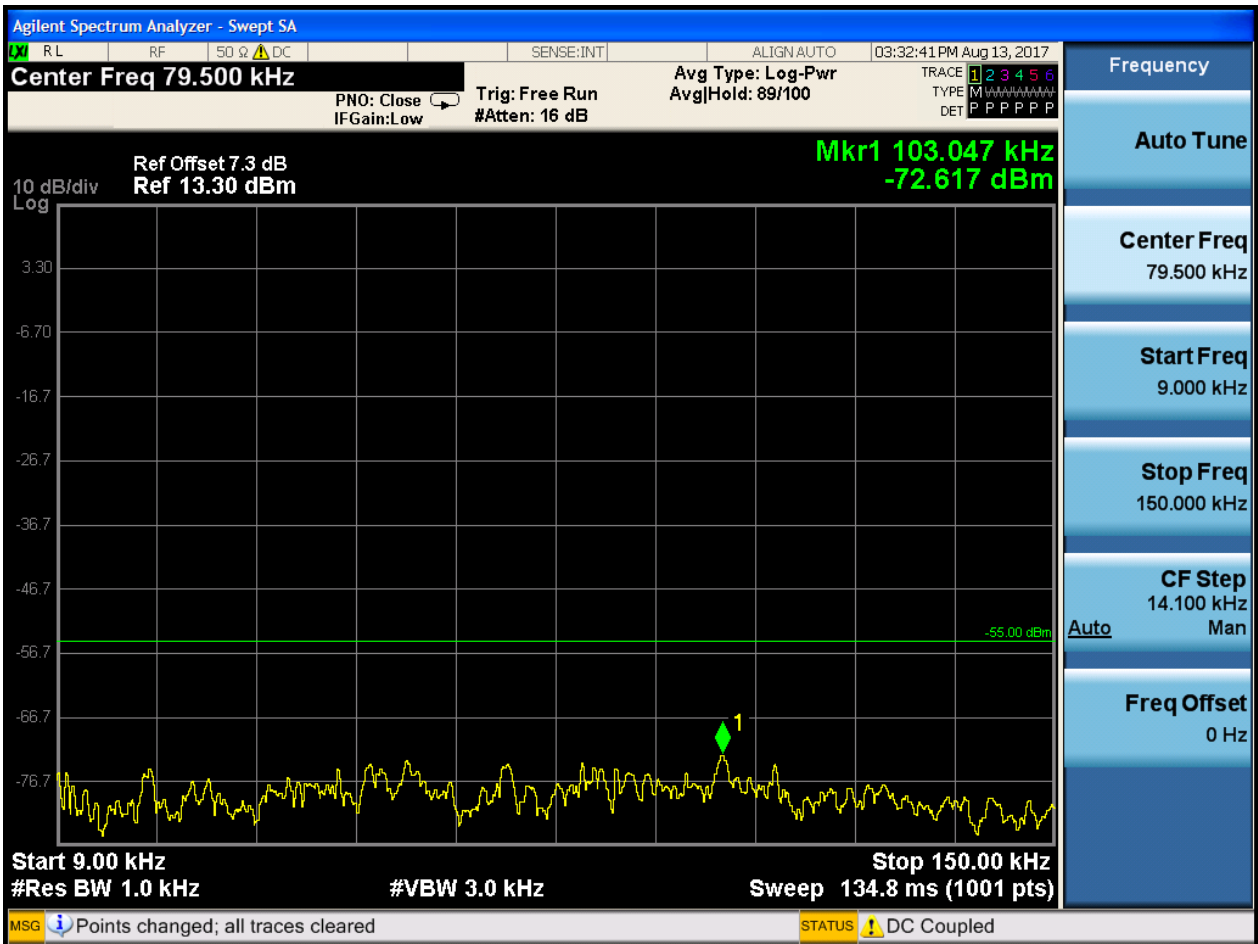


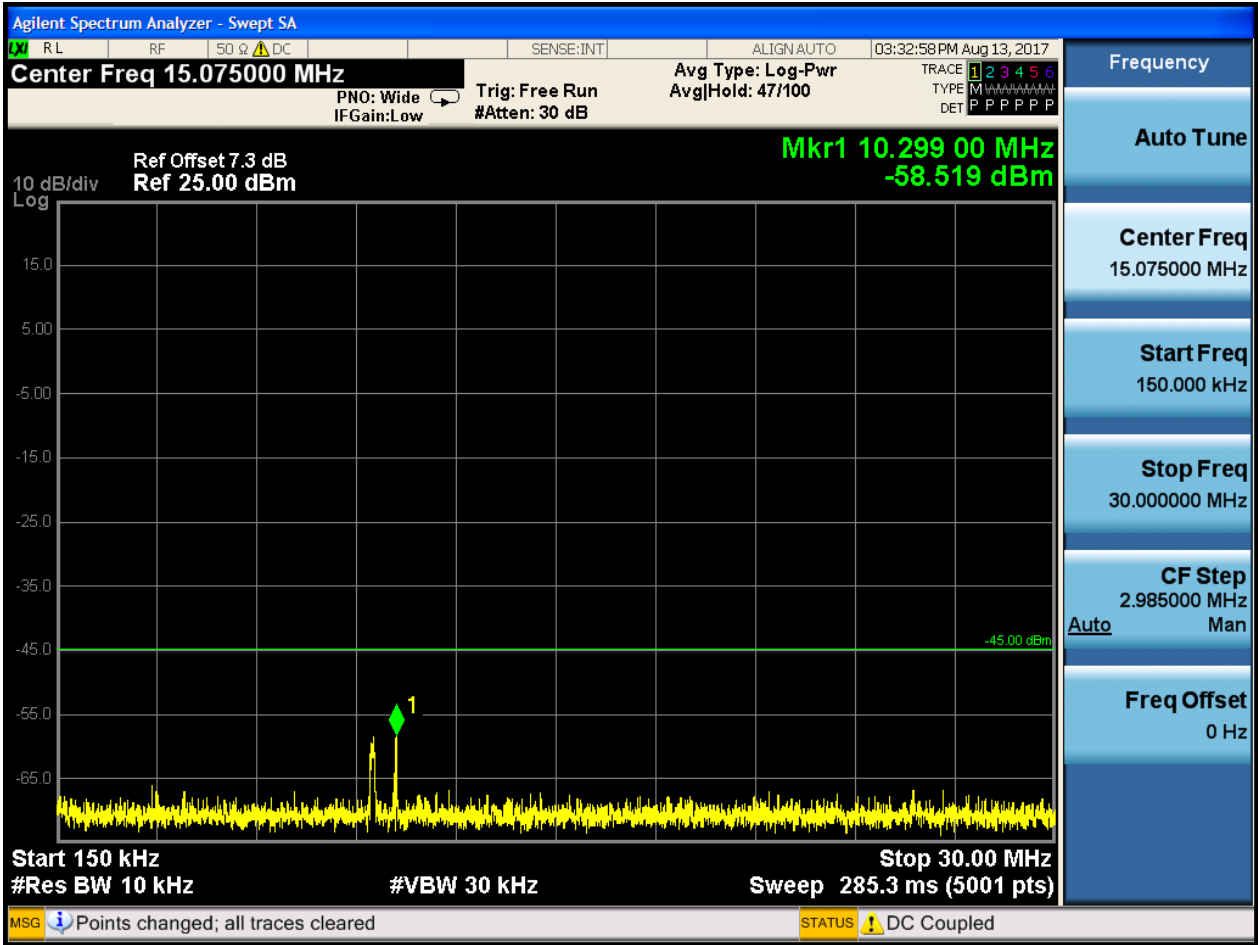


6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



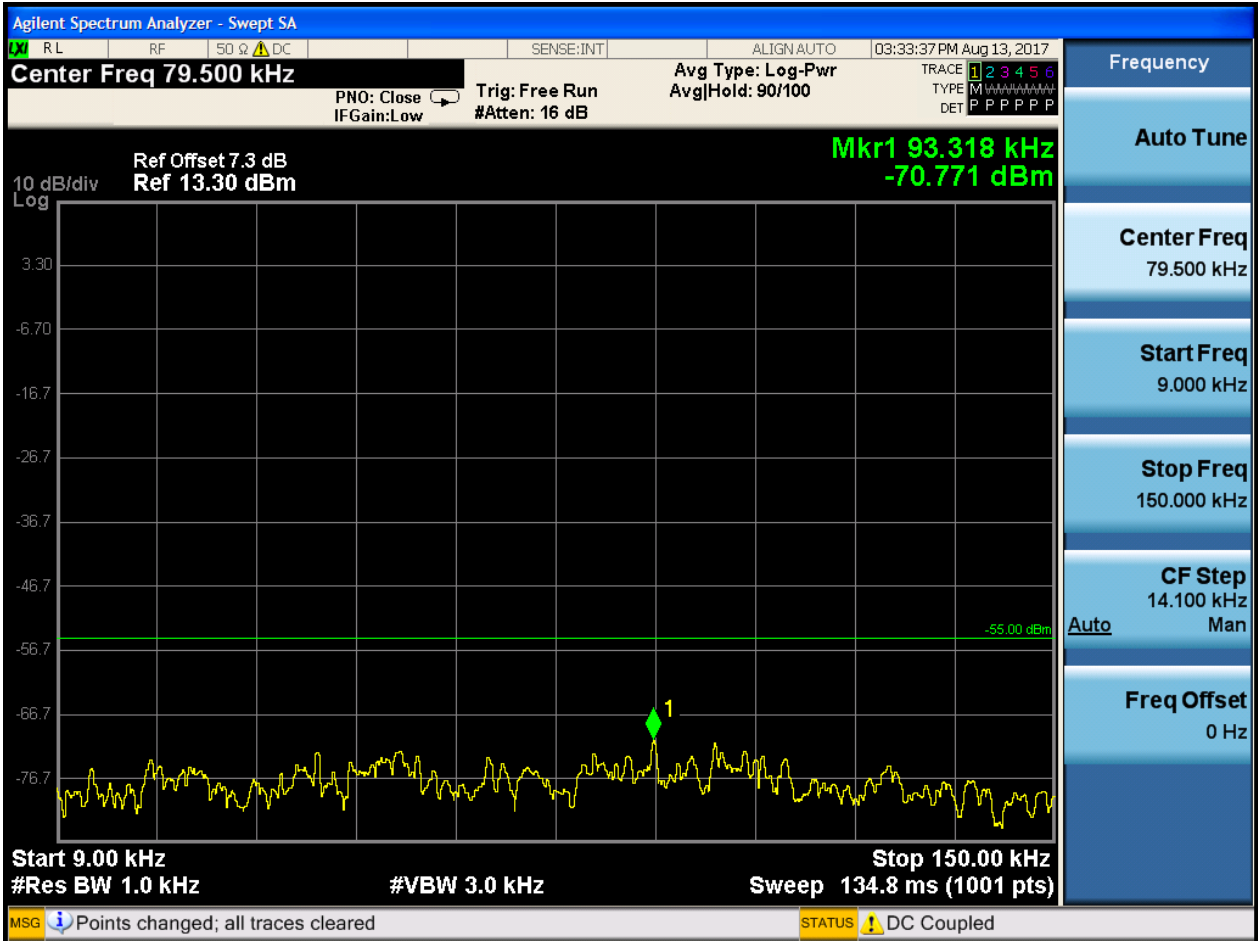




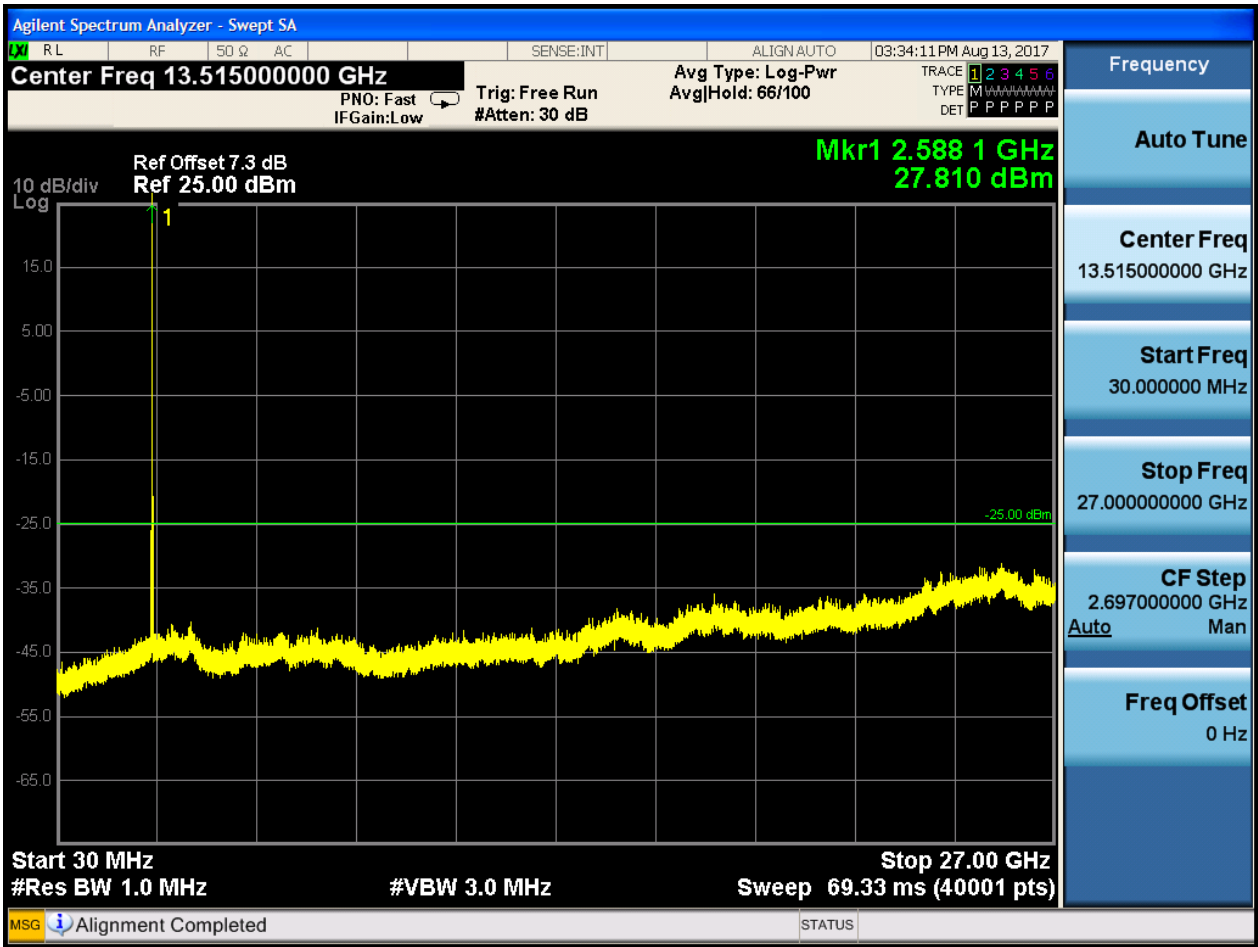


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



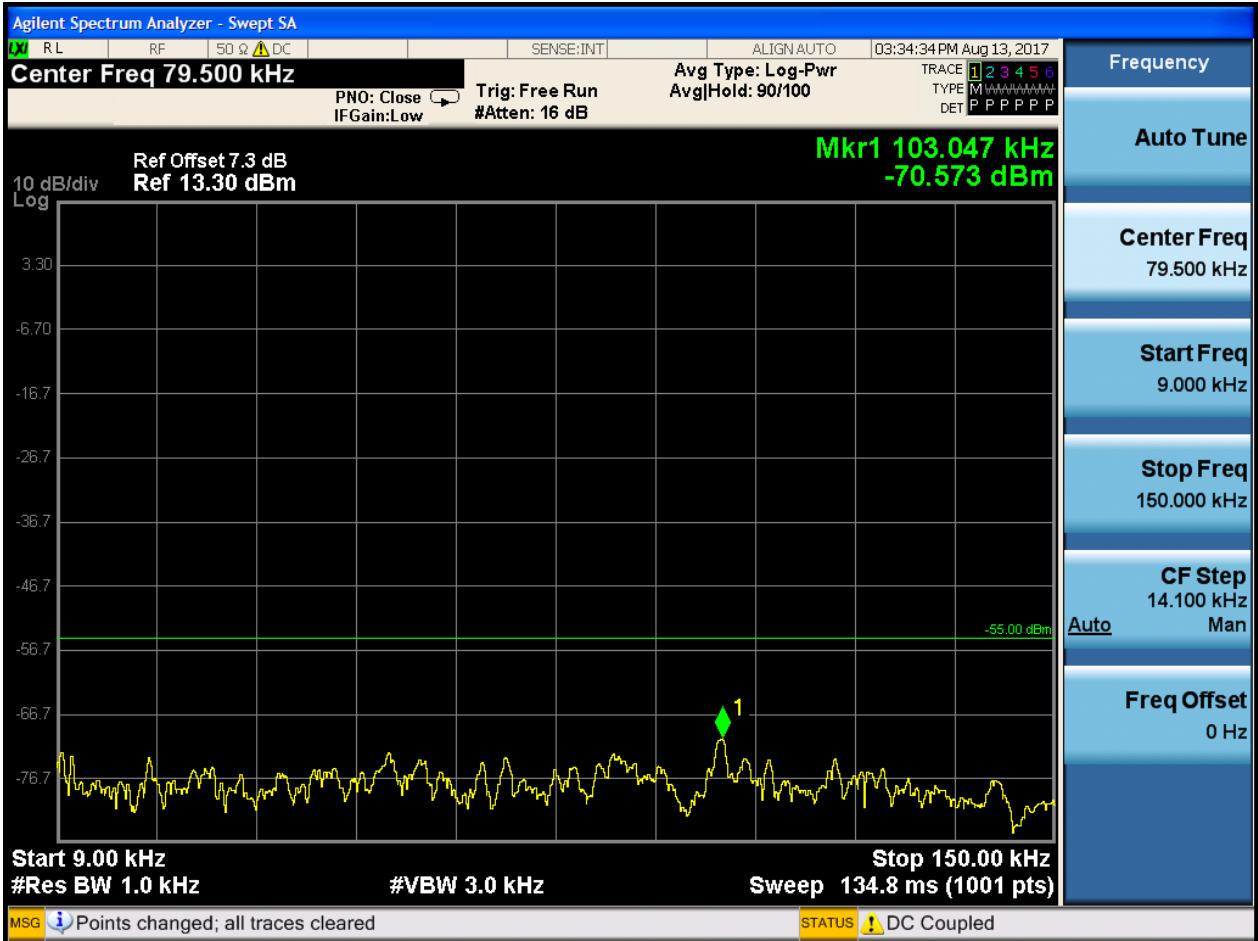




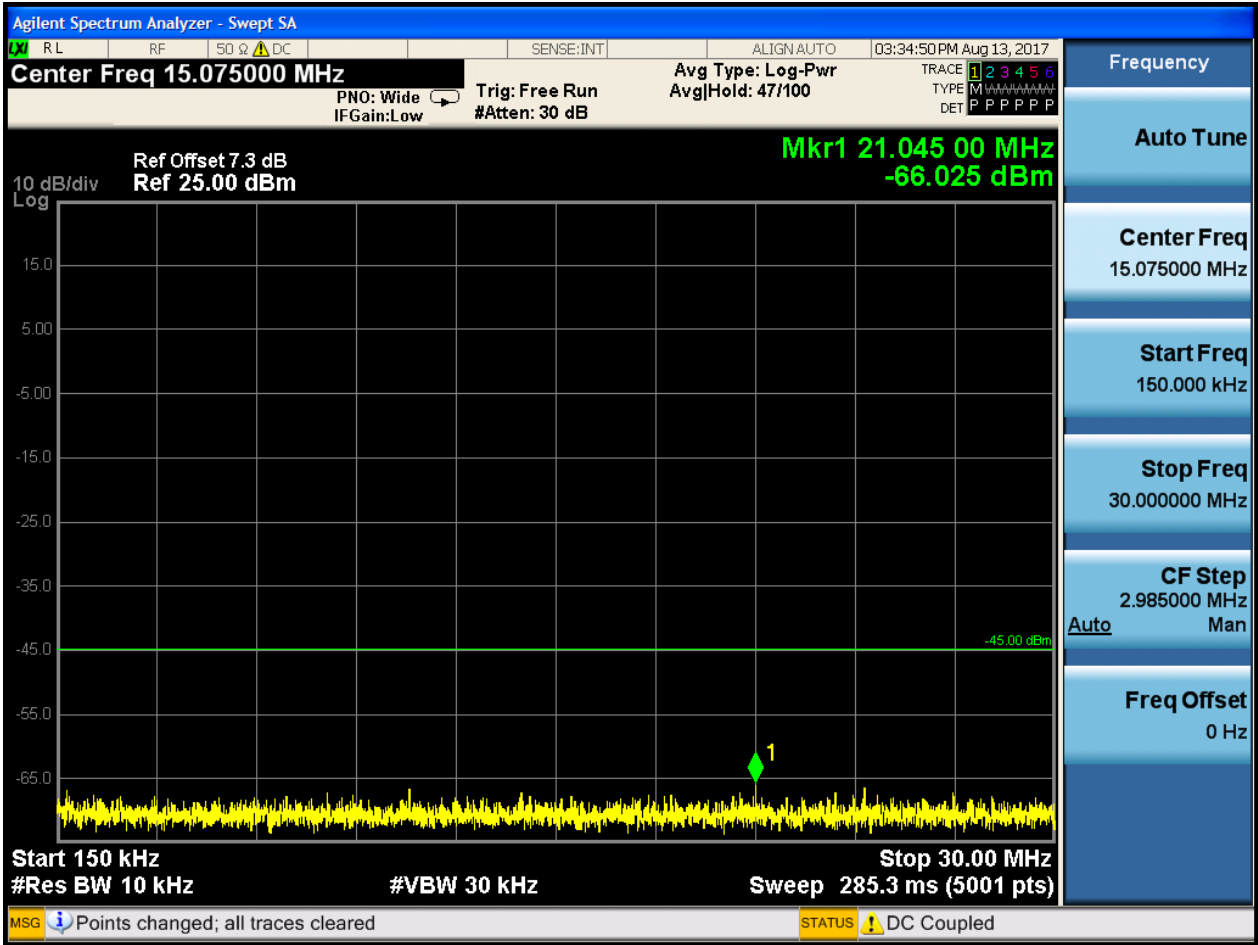


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0











6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



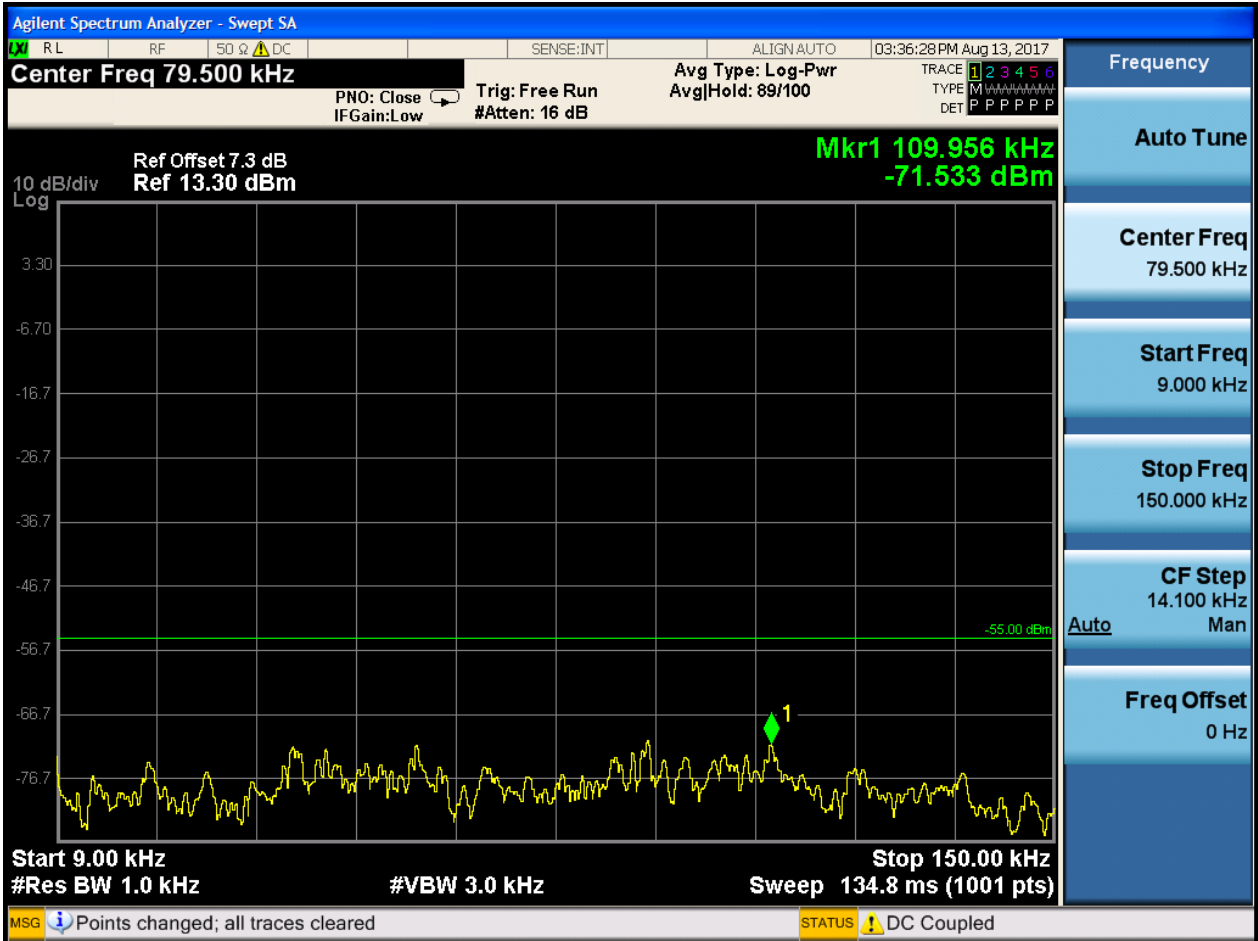






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

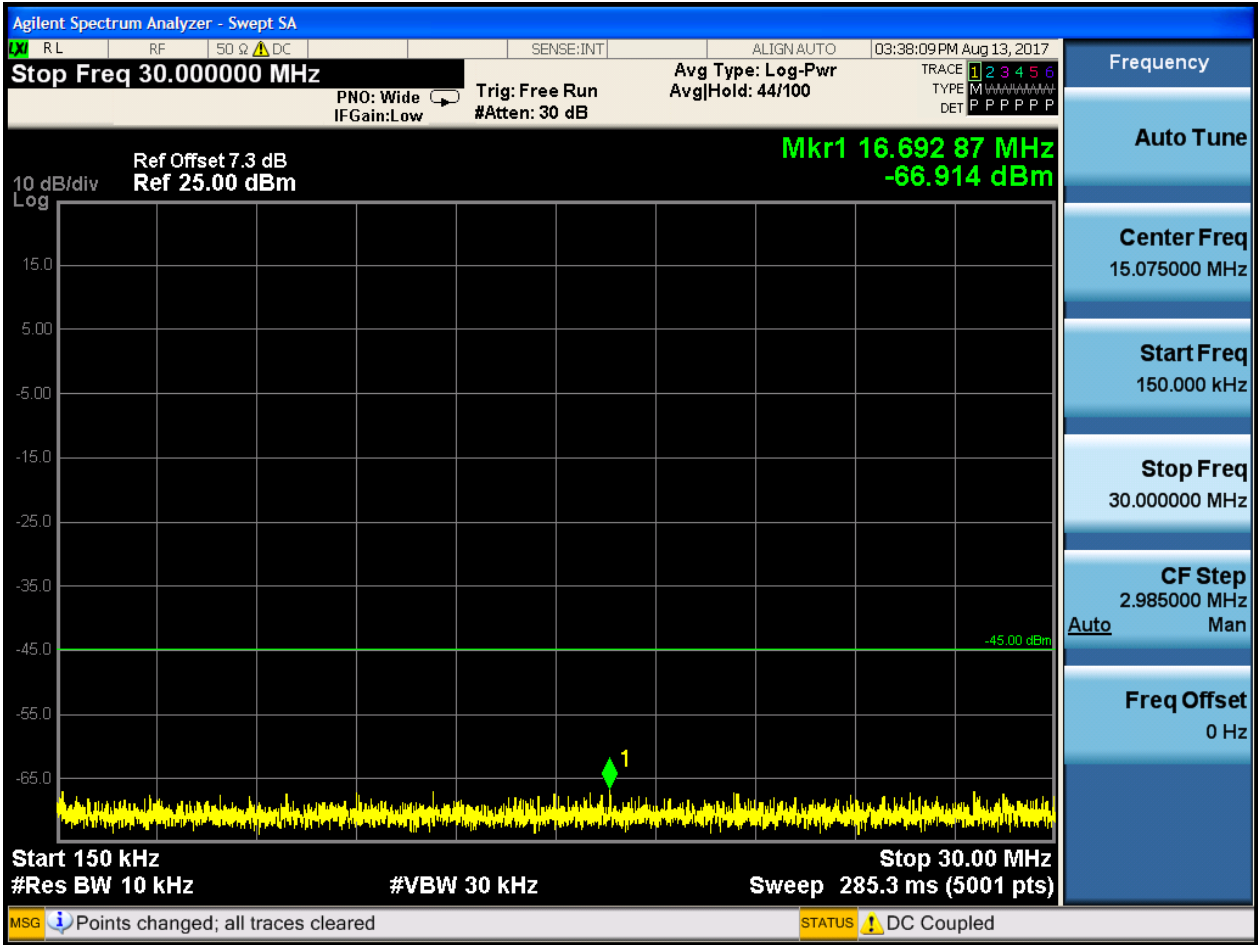
















6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



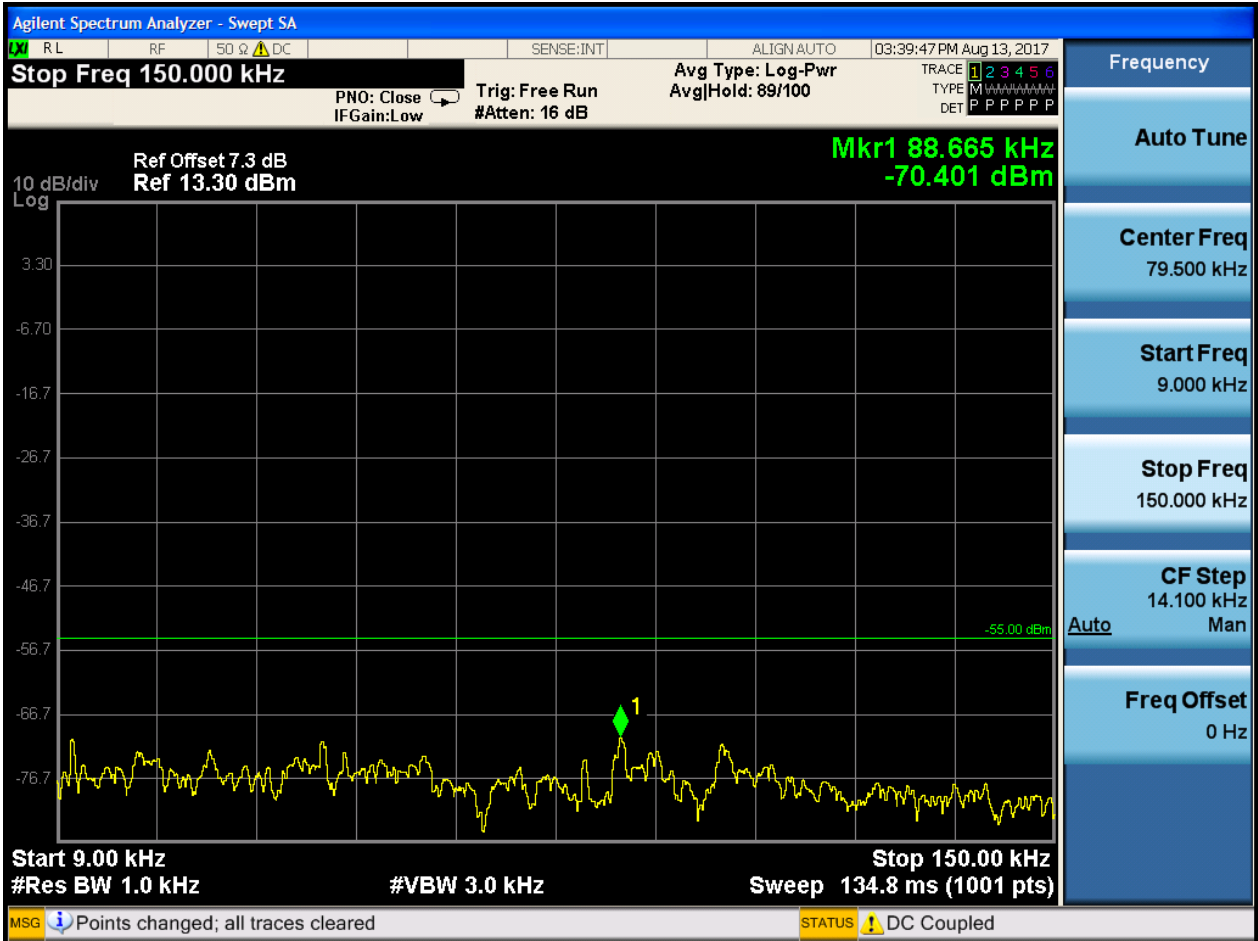






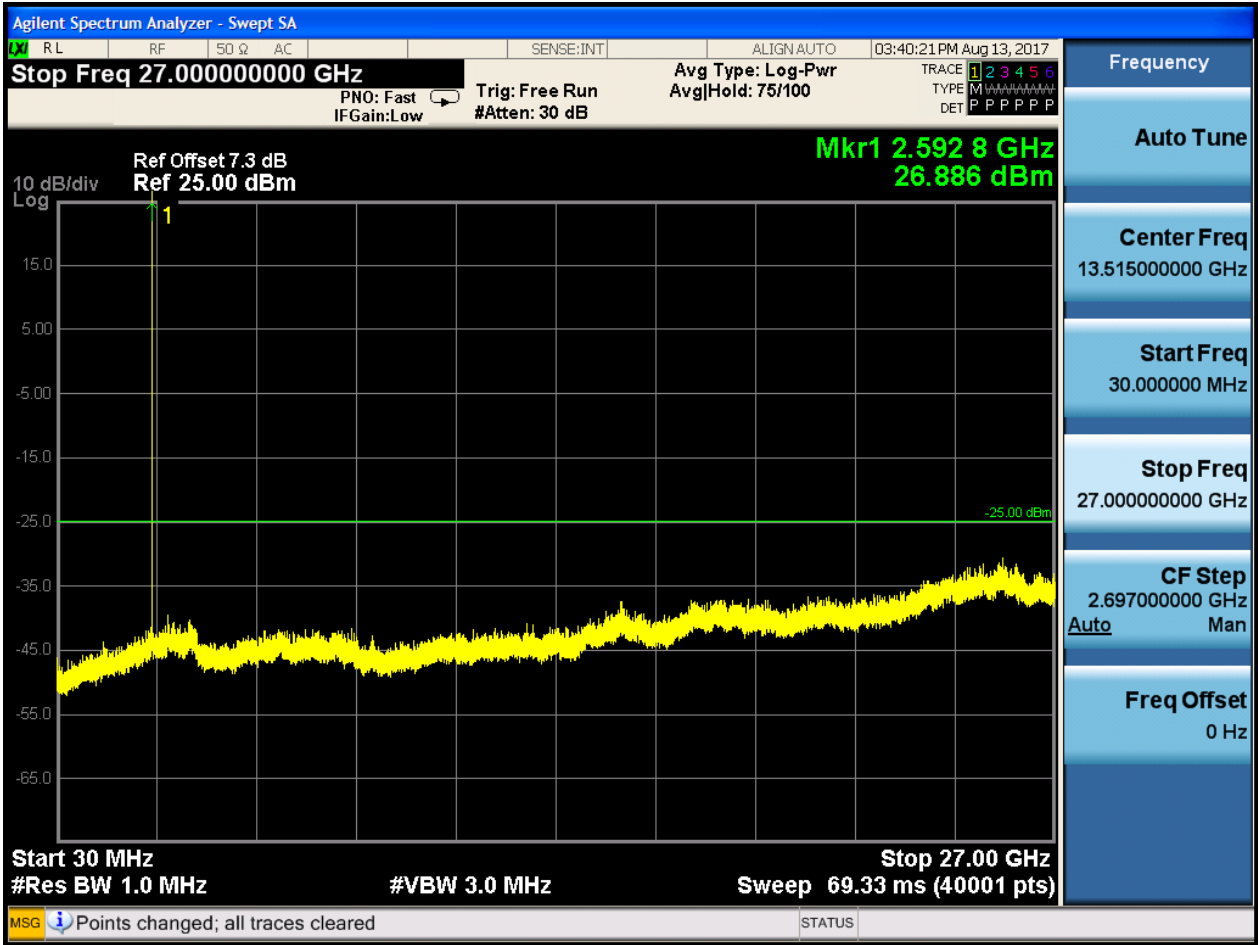
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





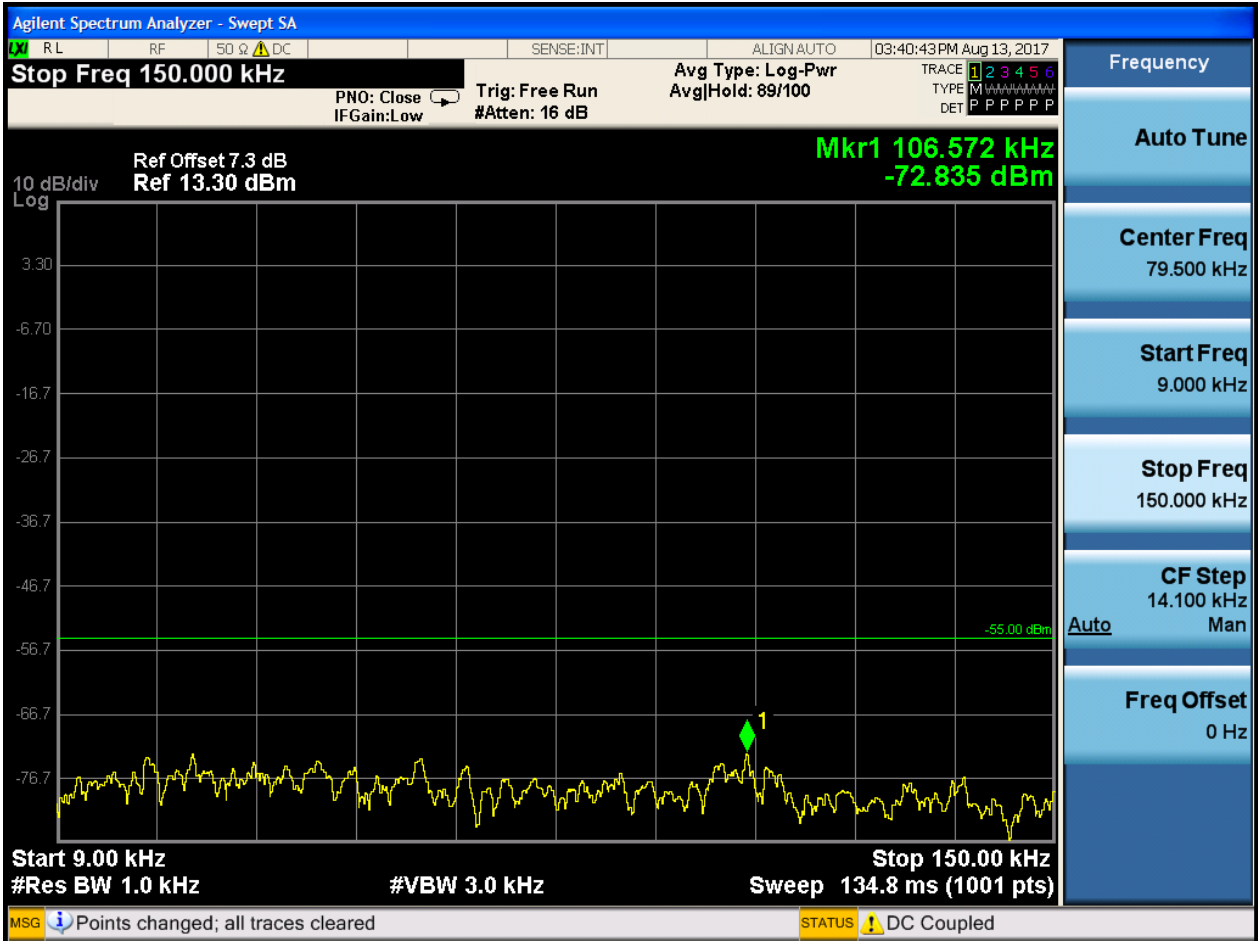


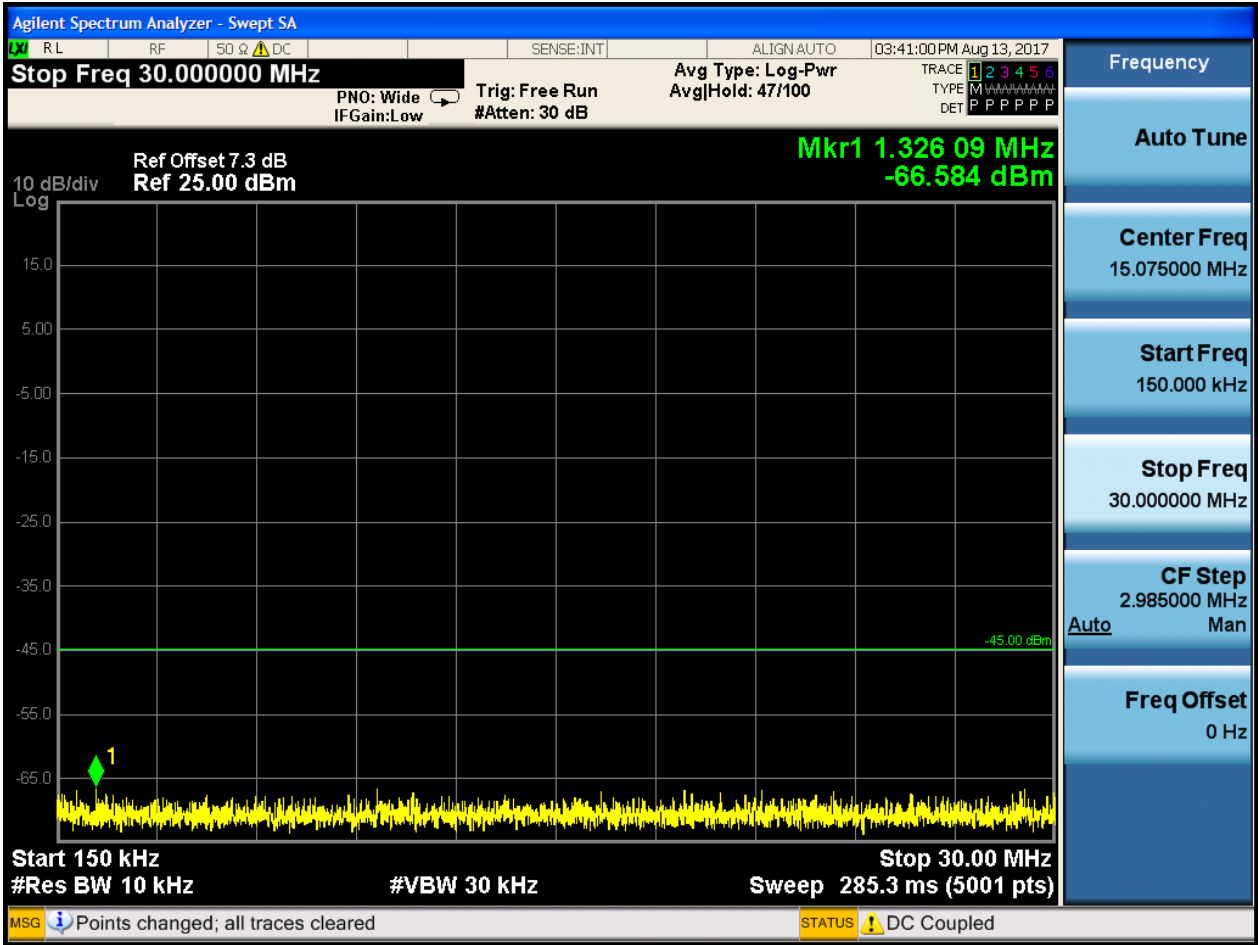




6.1.1.2.1.3 Test Channel = HCH

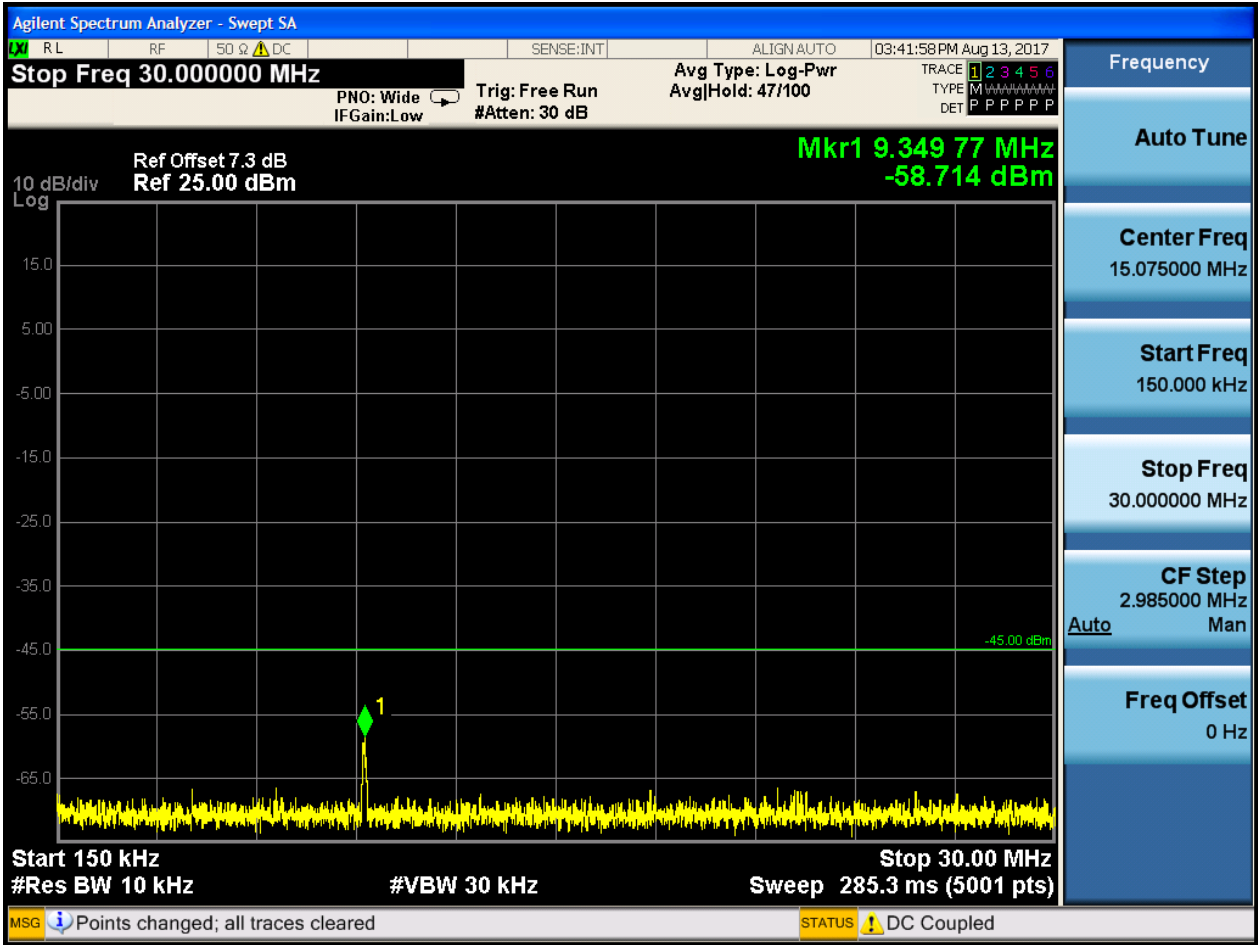
6.1.1.2.1.3.1 Test RB = RB1#0

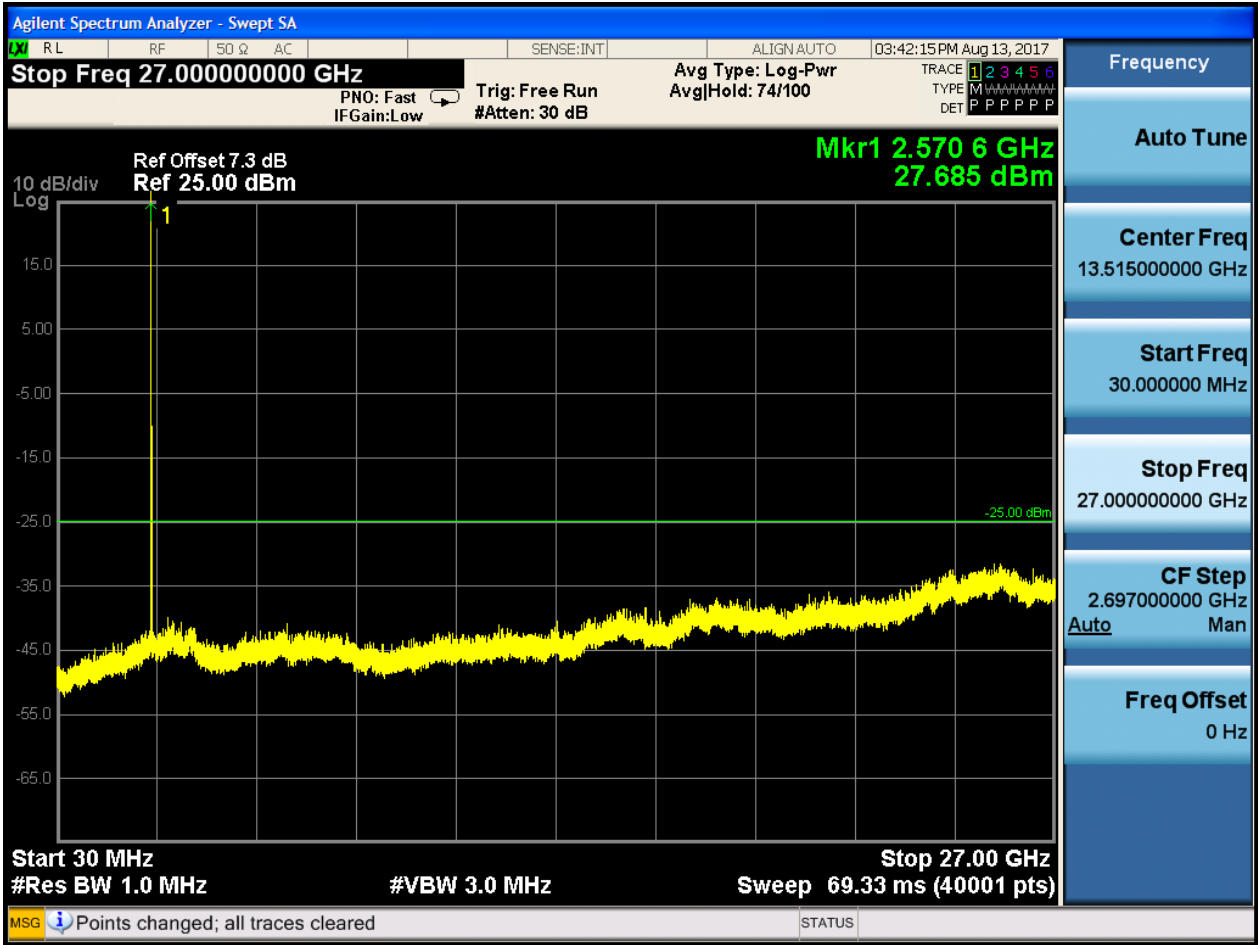






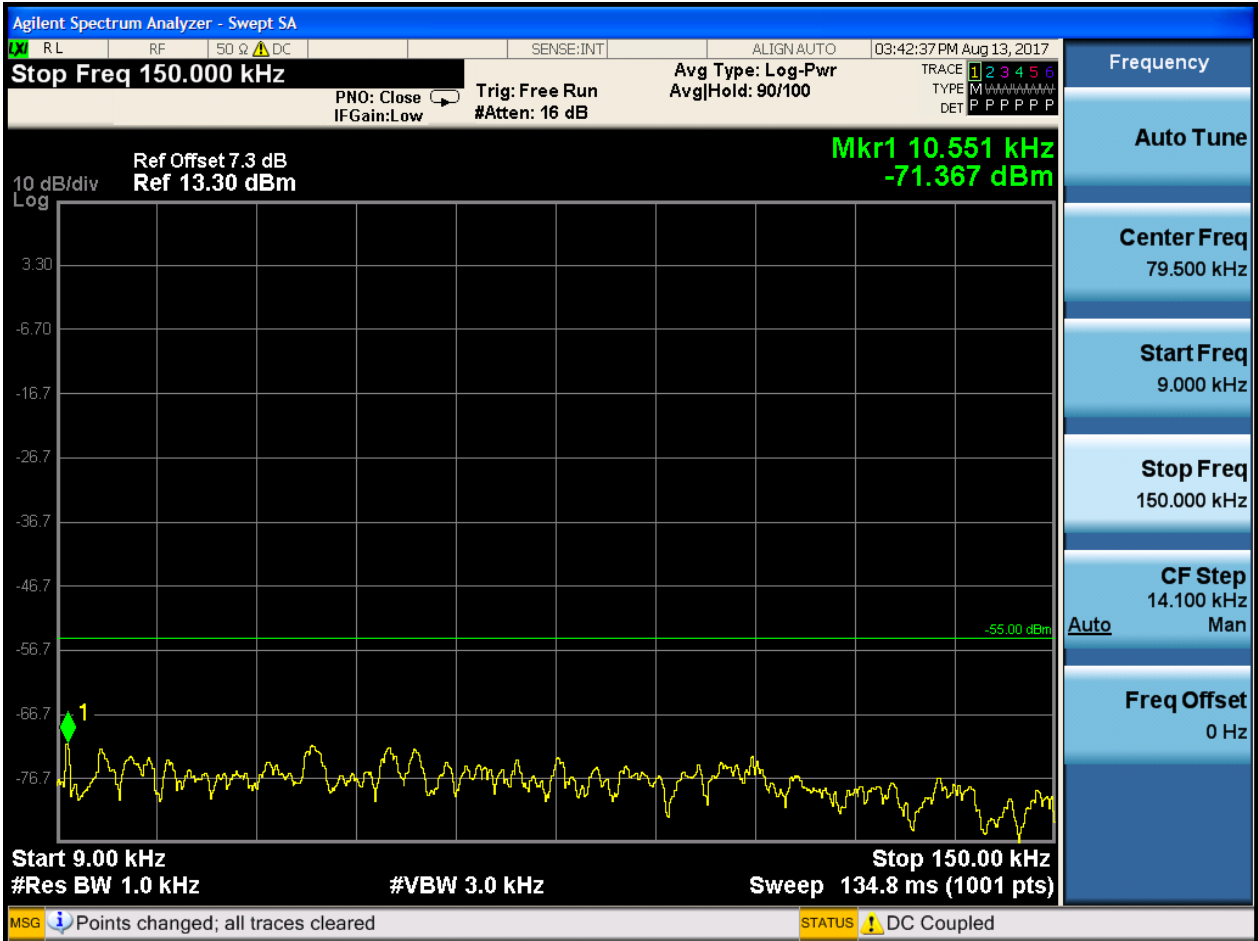




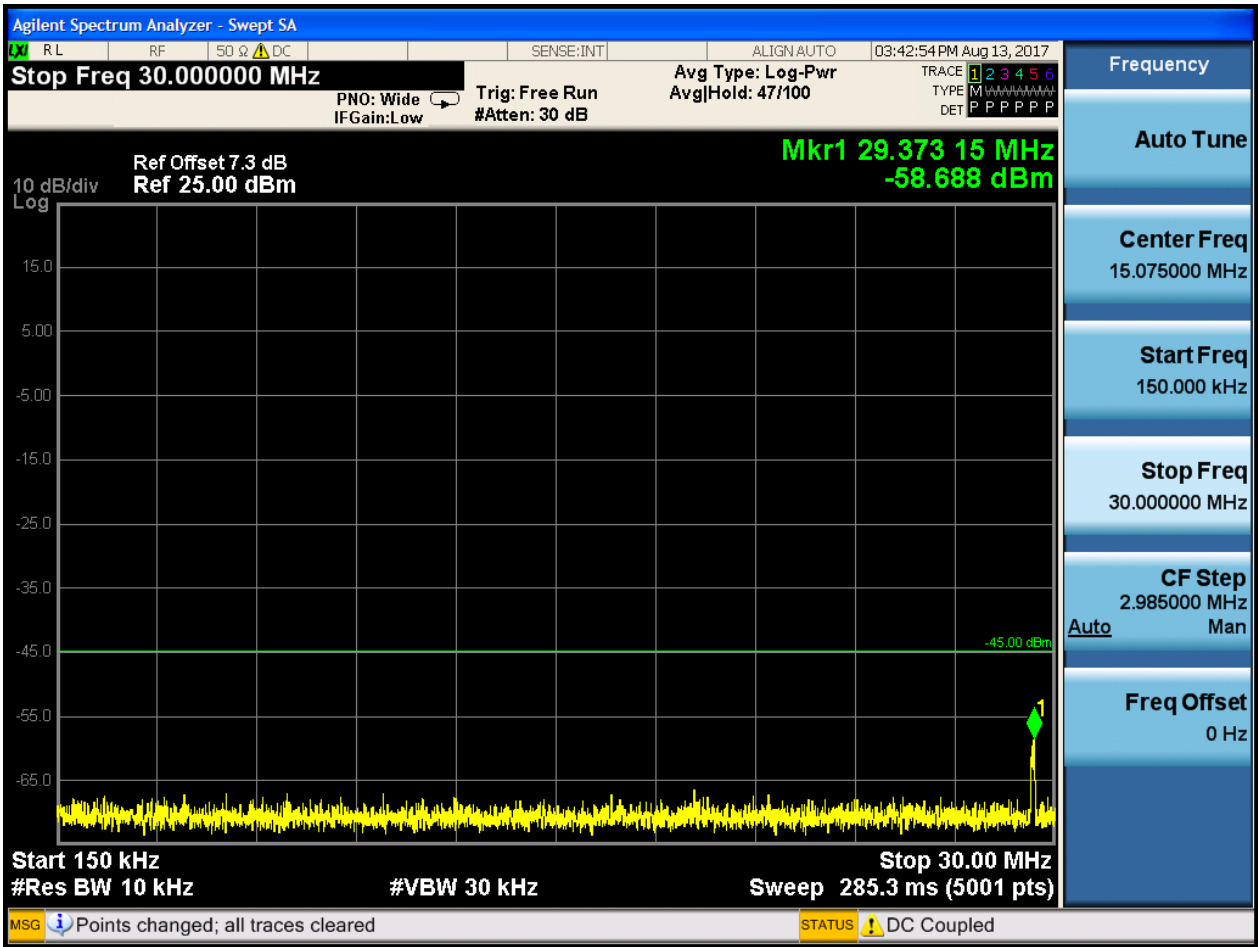


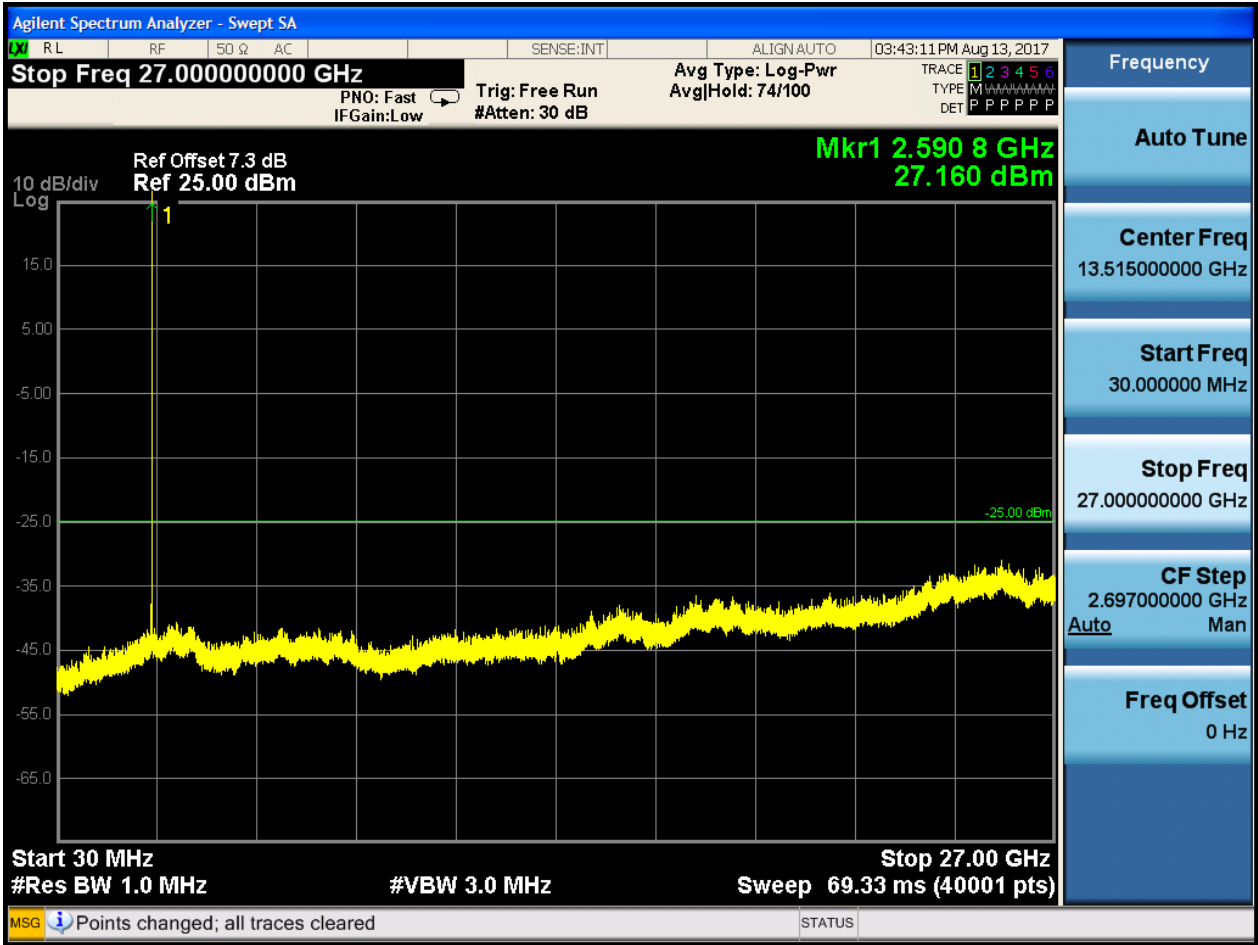
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



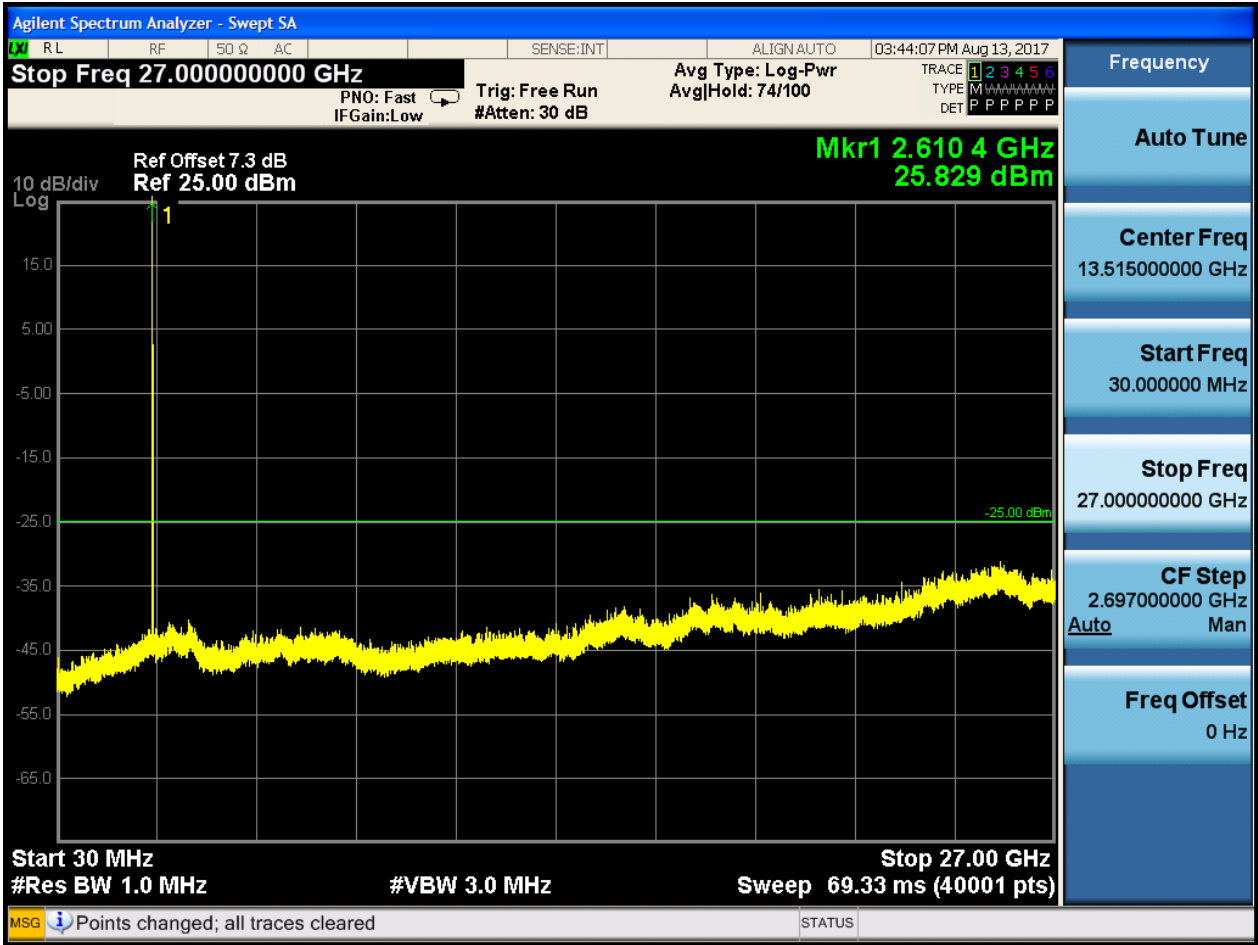










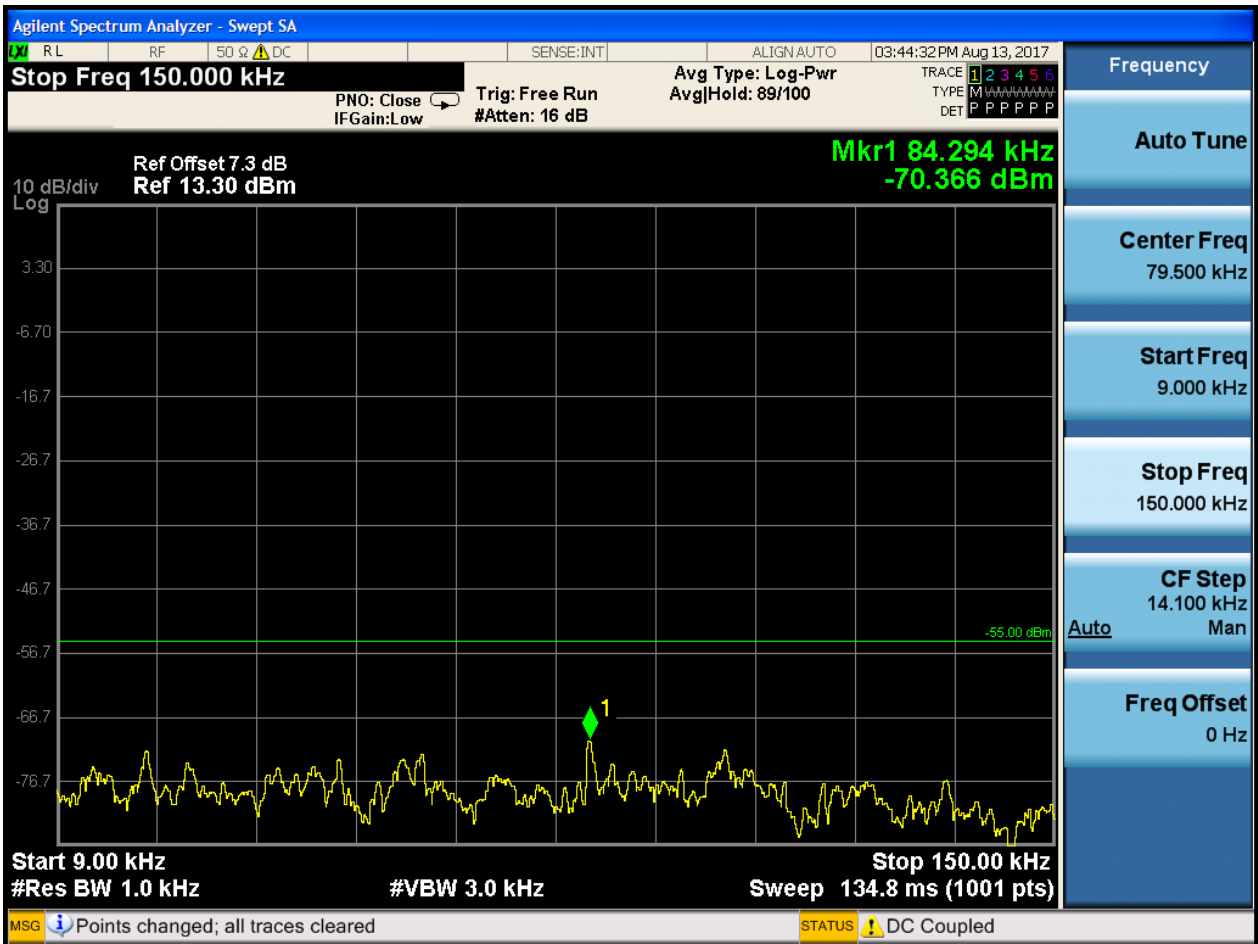




6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

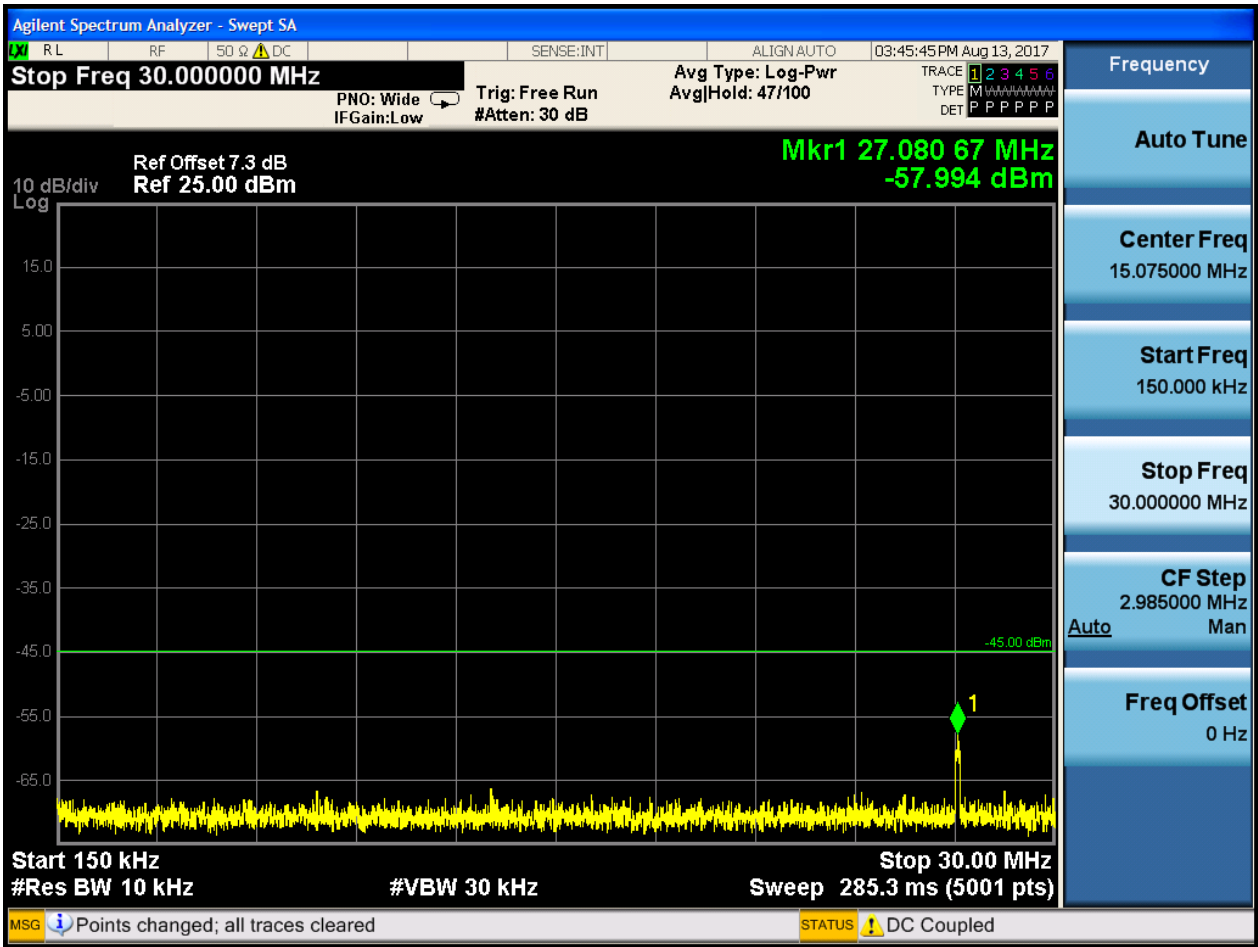


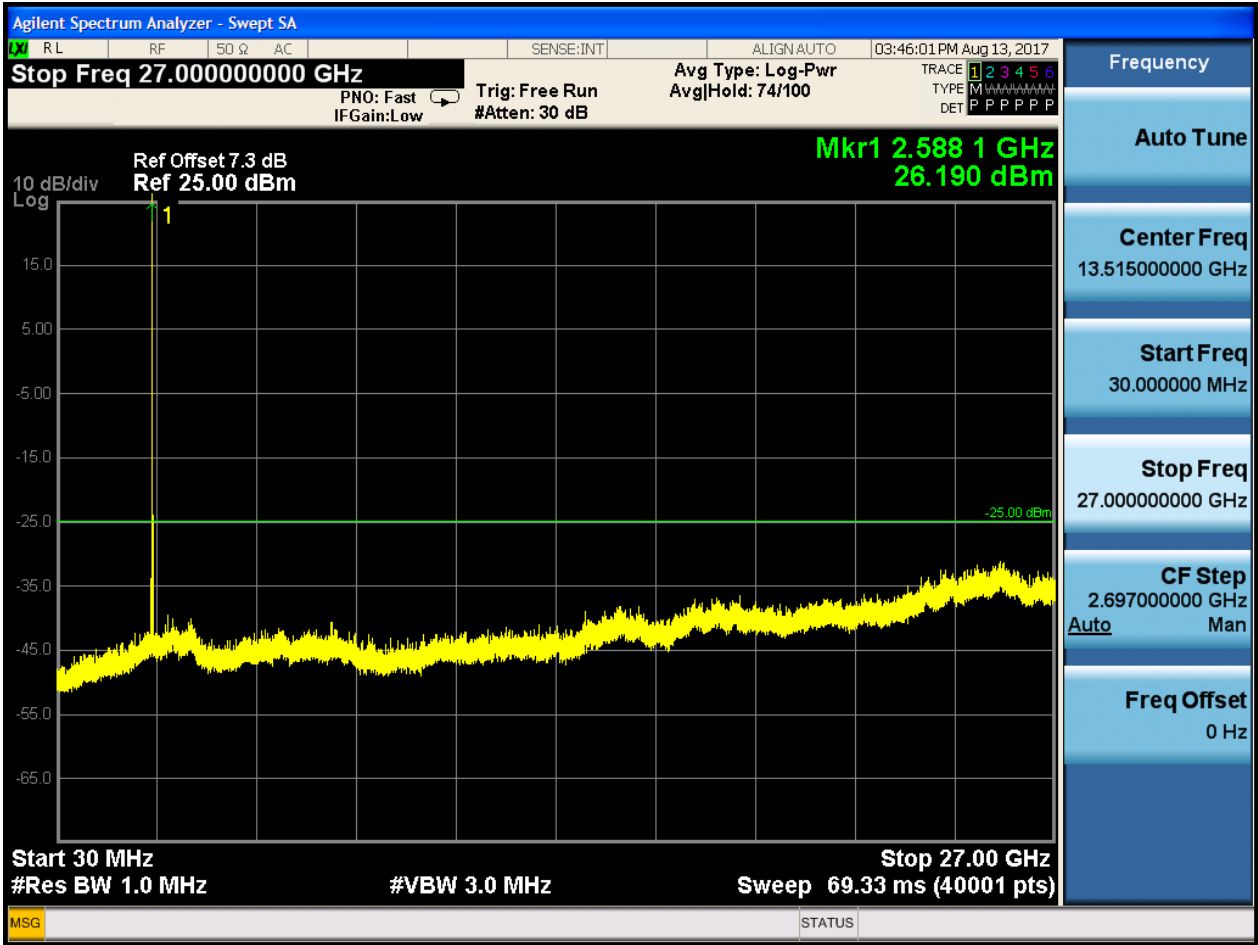






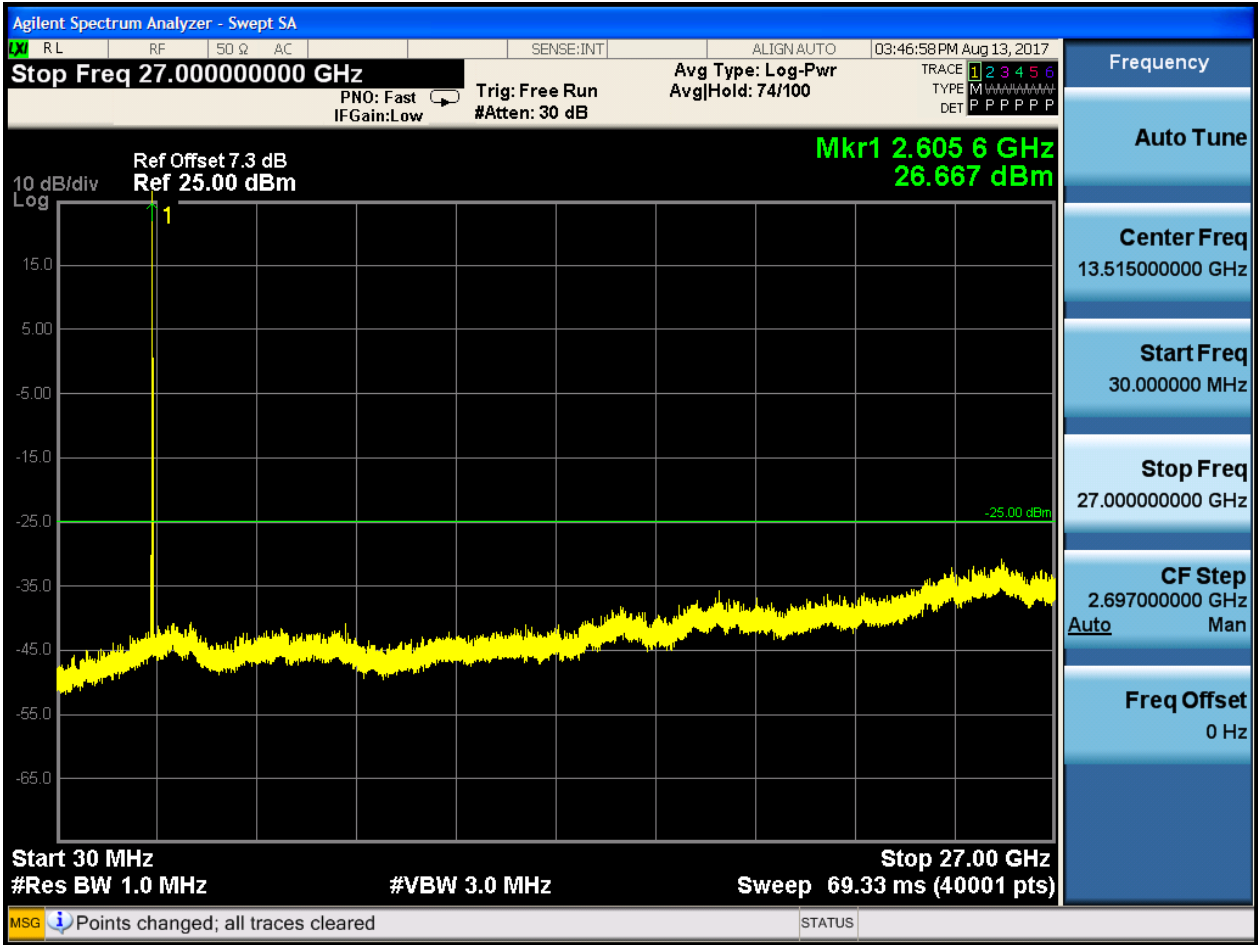










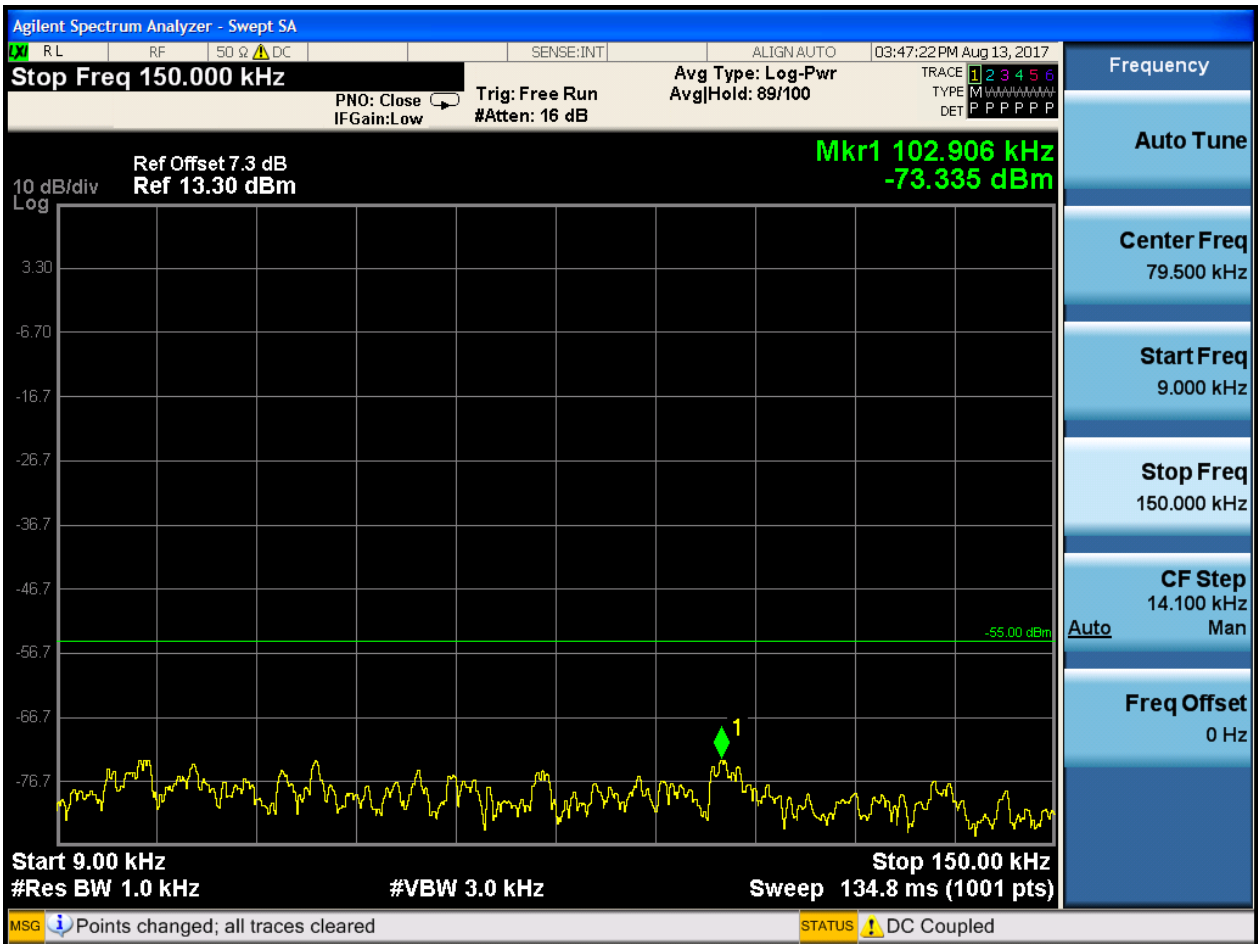


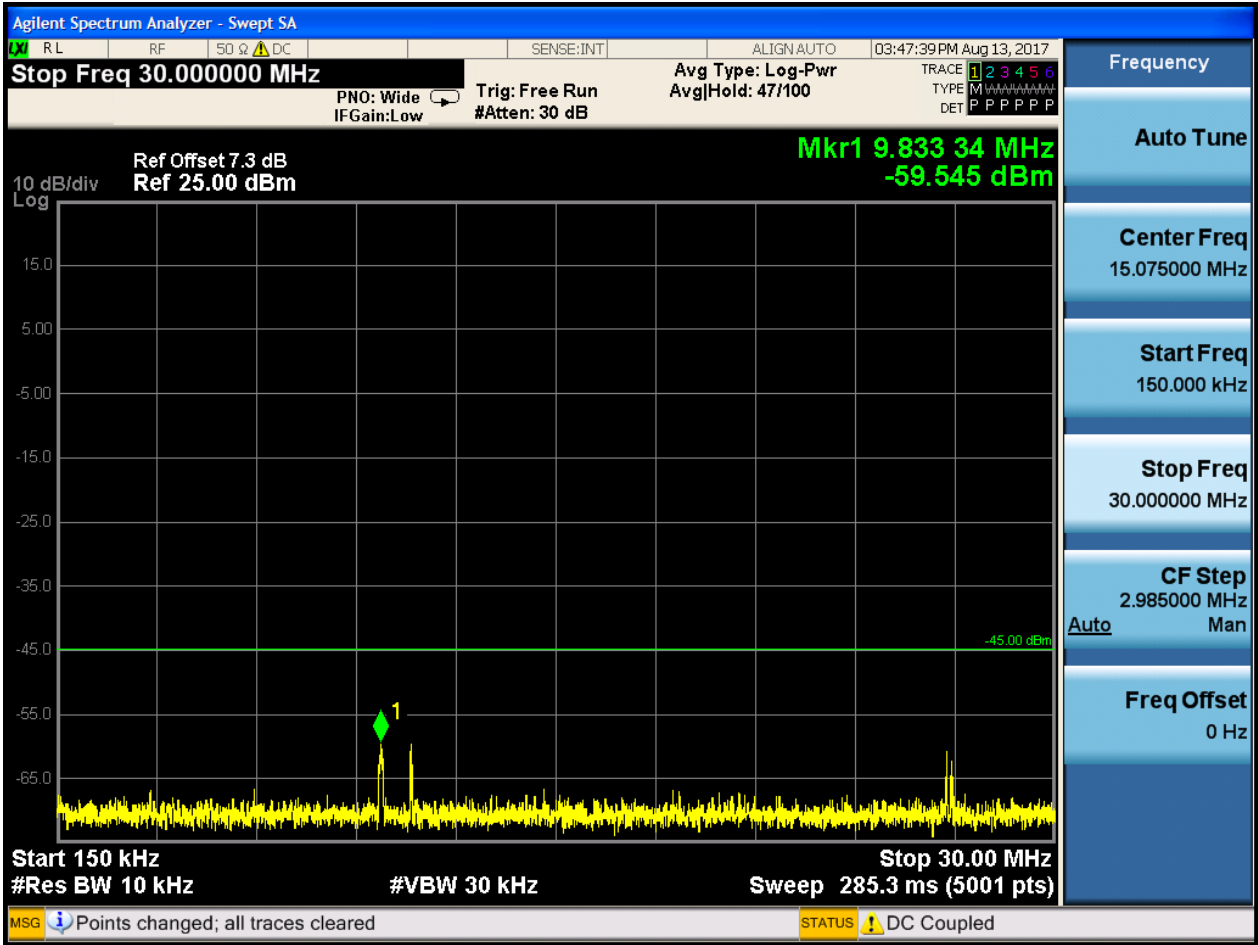


6.1.1.2.4 Test Bandwidth = 20

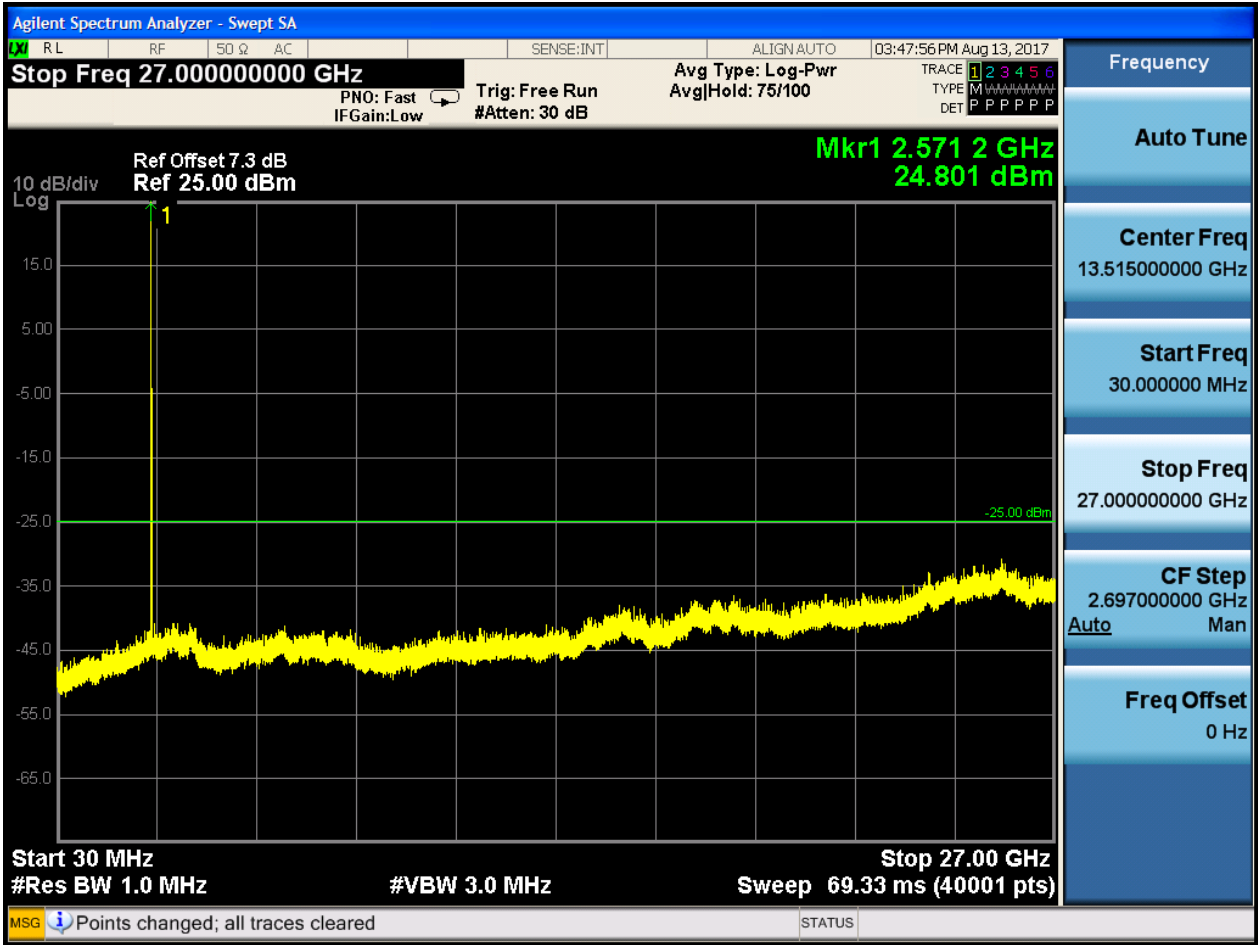
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0











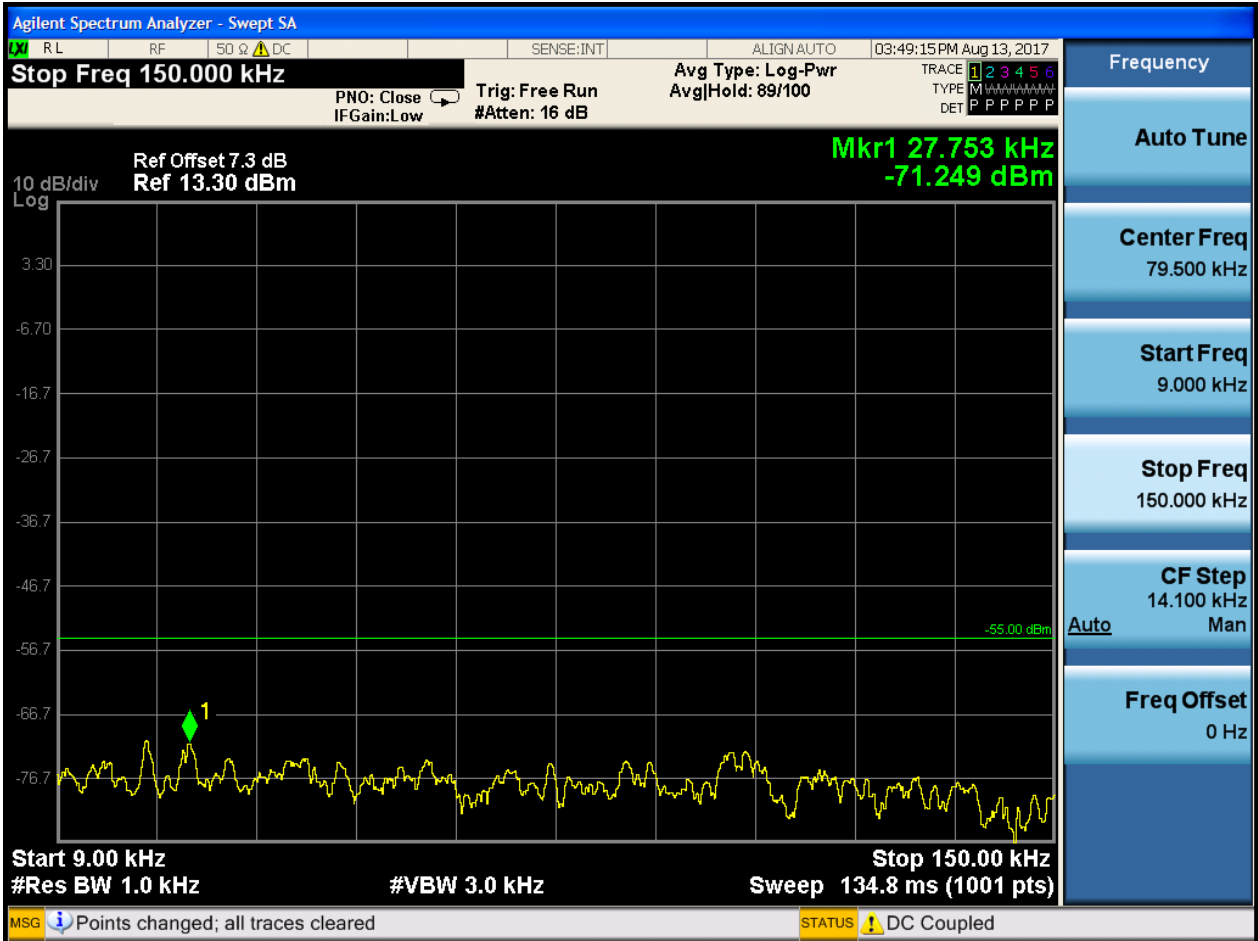


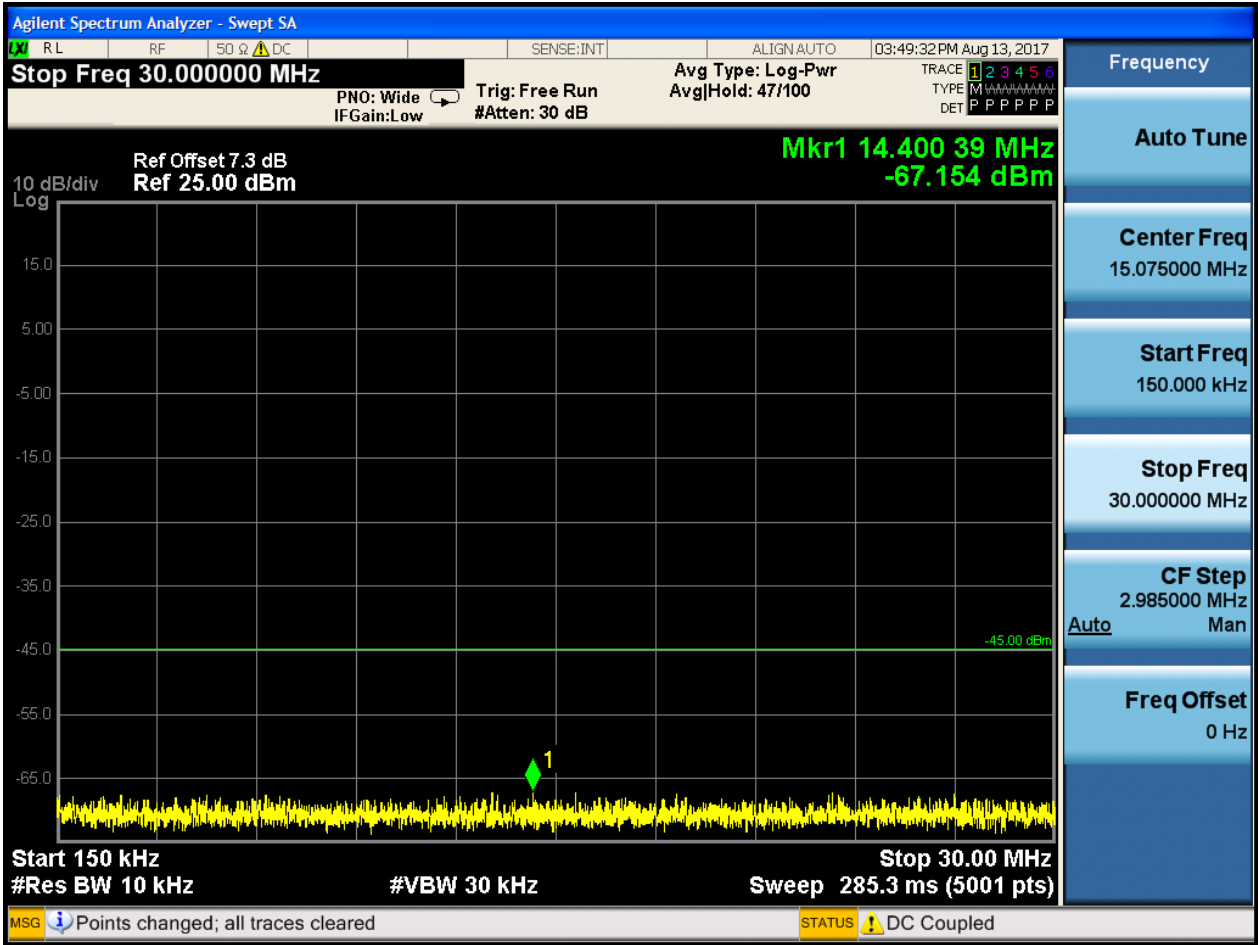


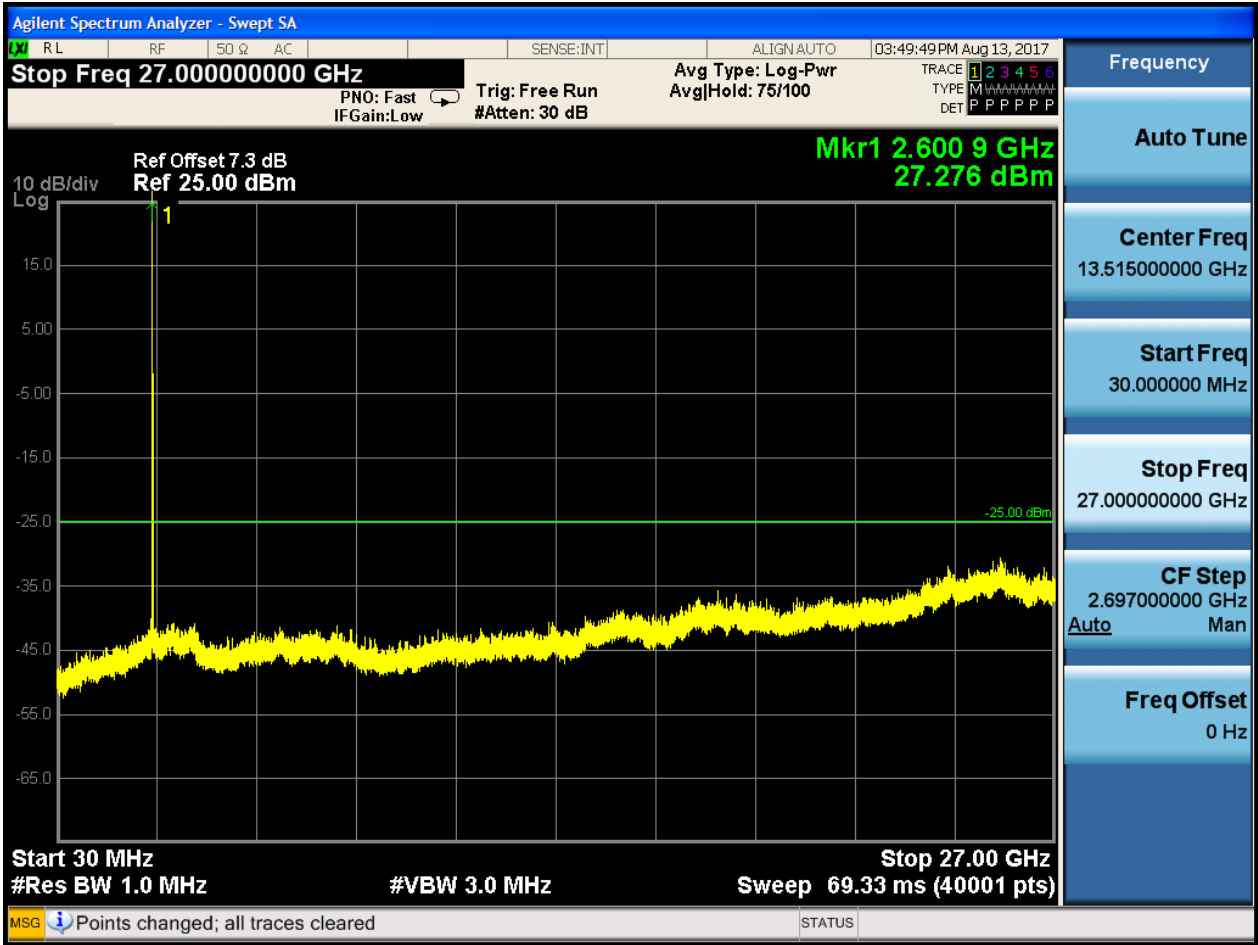


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







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

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, 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

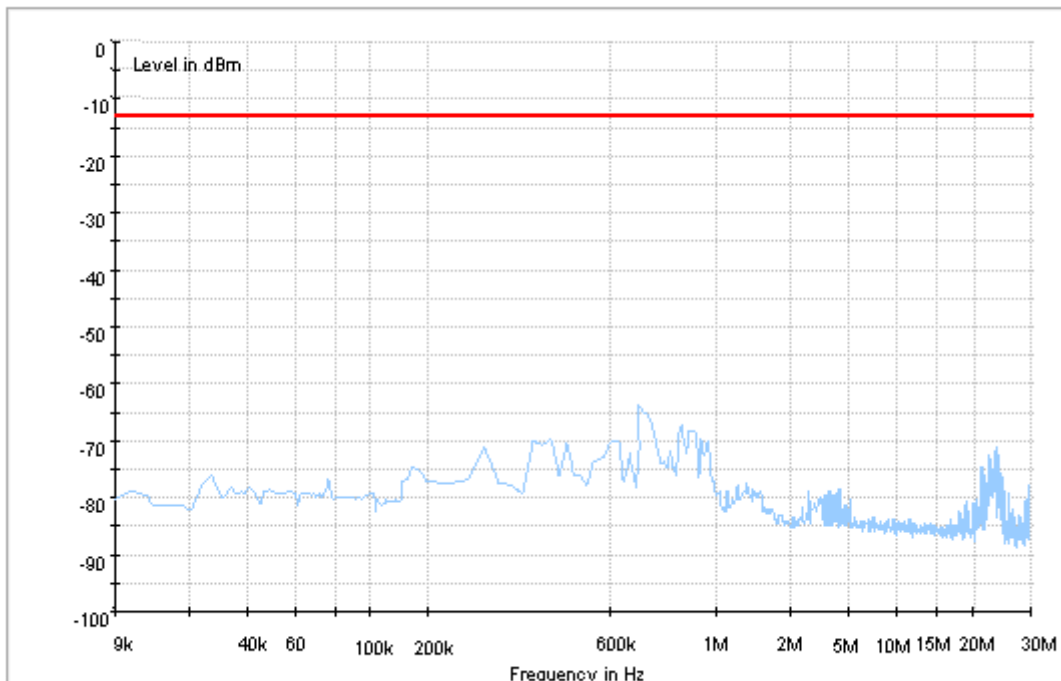
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

#### 7.1 For LTE

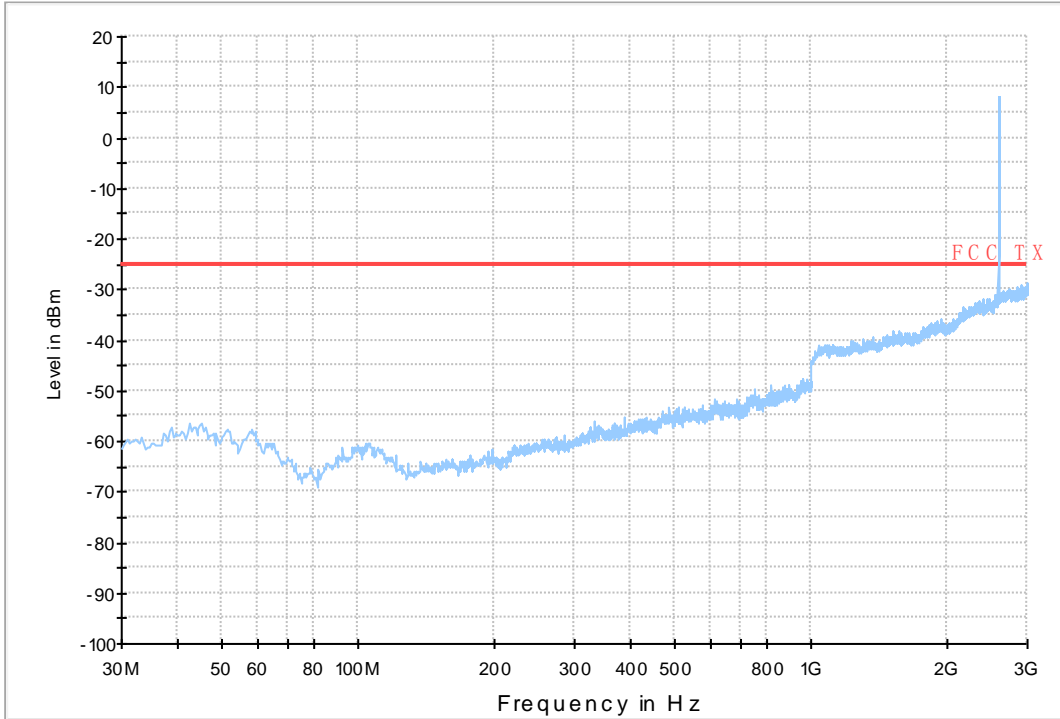
##### 7.1.1 Test Band = BAND38\_Ant1

##### 7.1.1.1 Test Bandwidth = 5

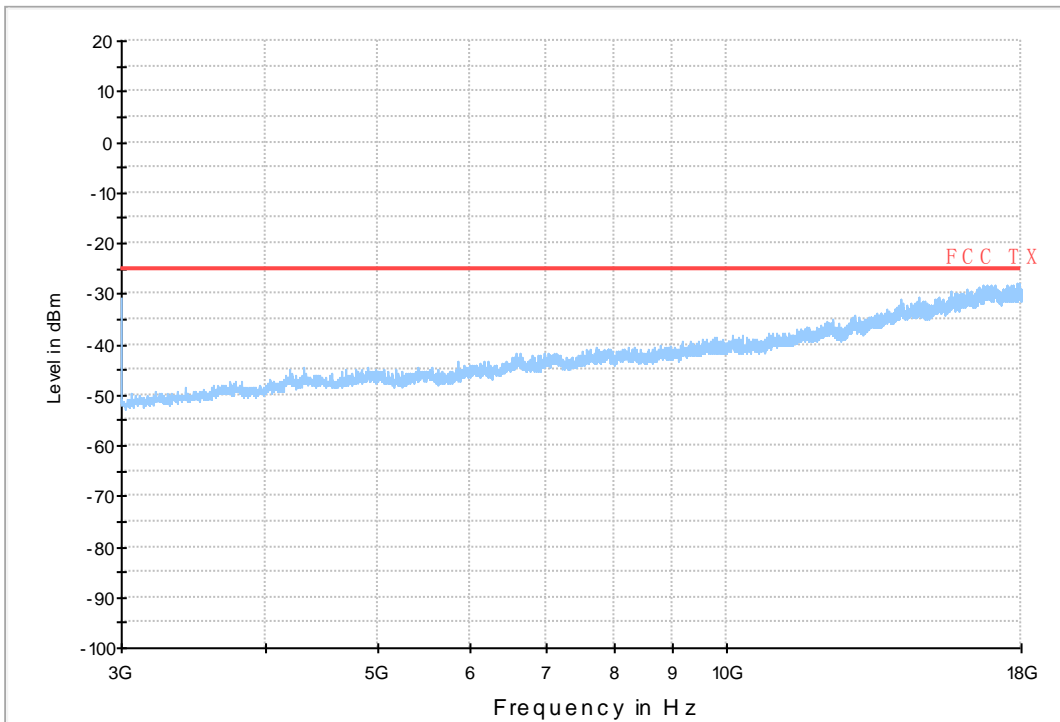


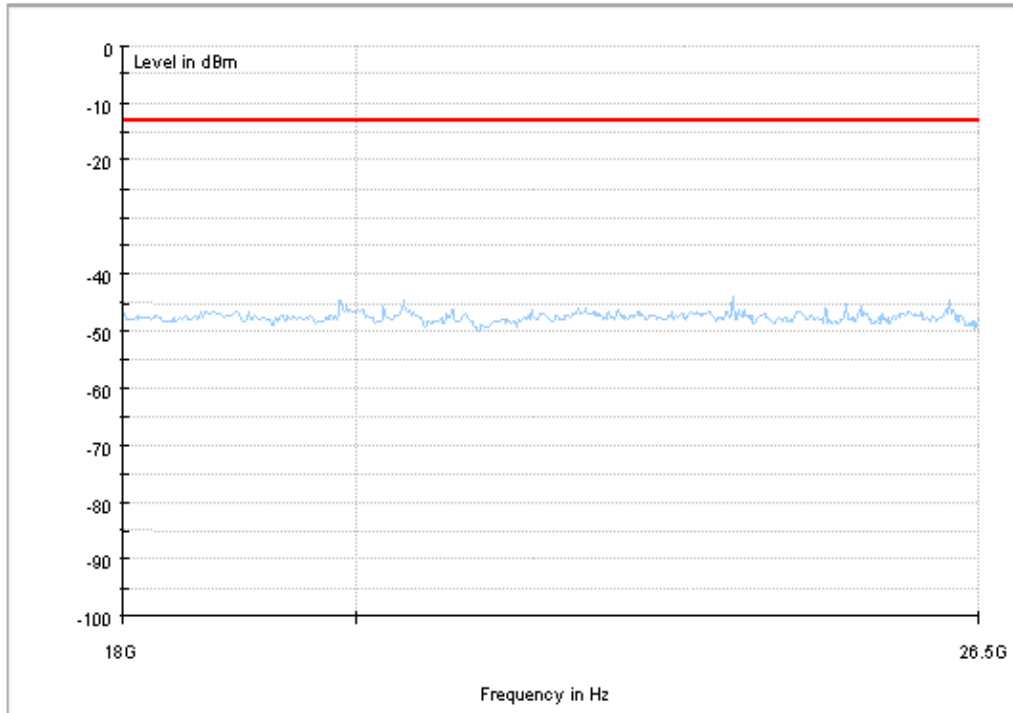


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L

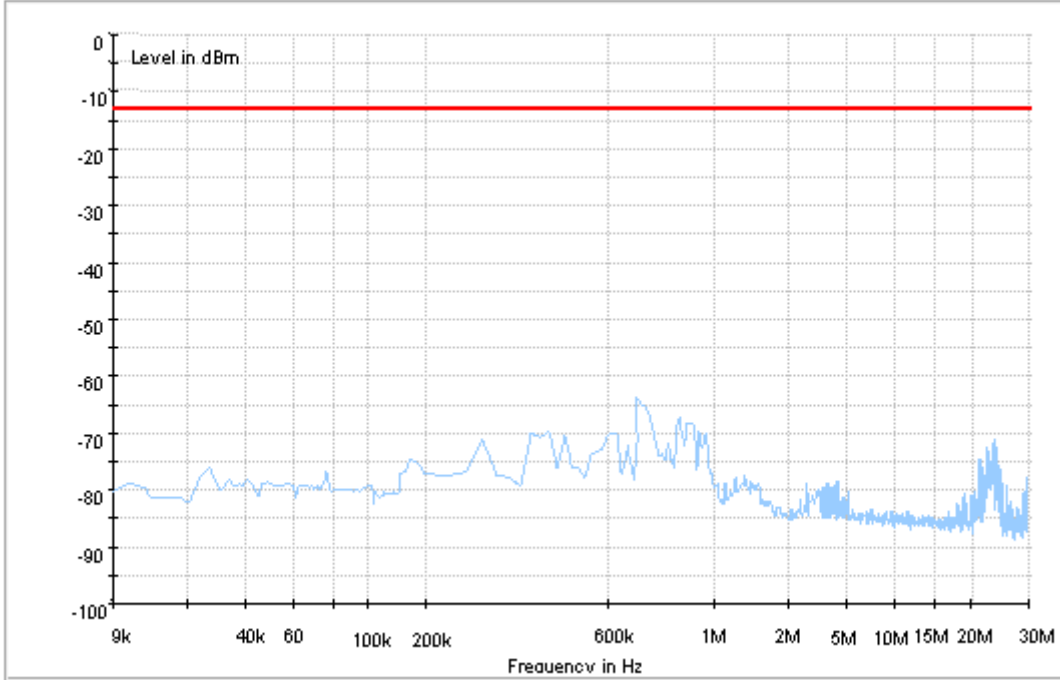


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H

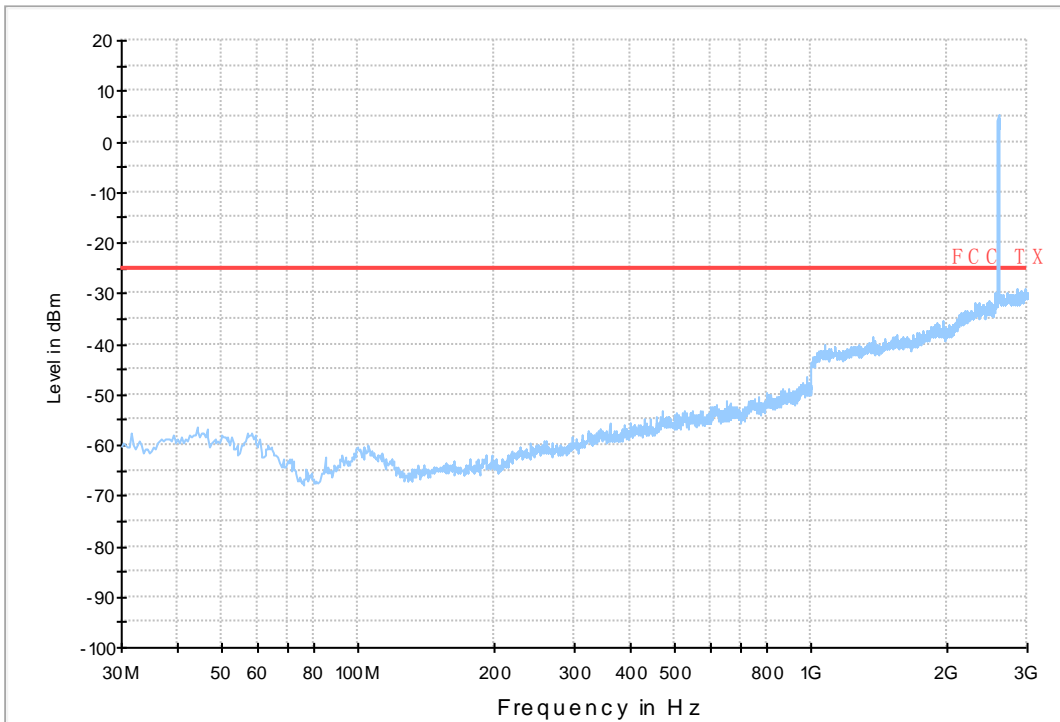




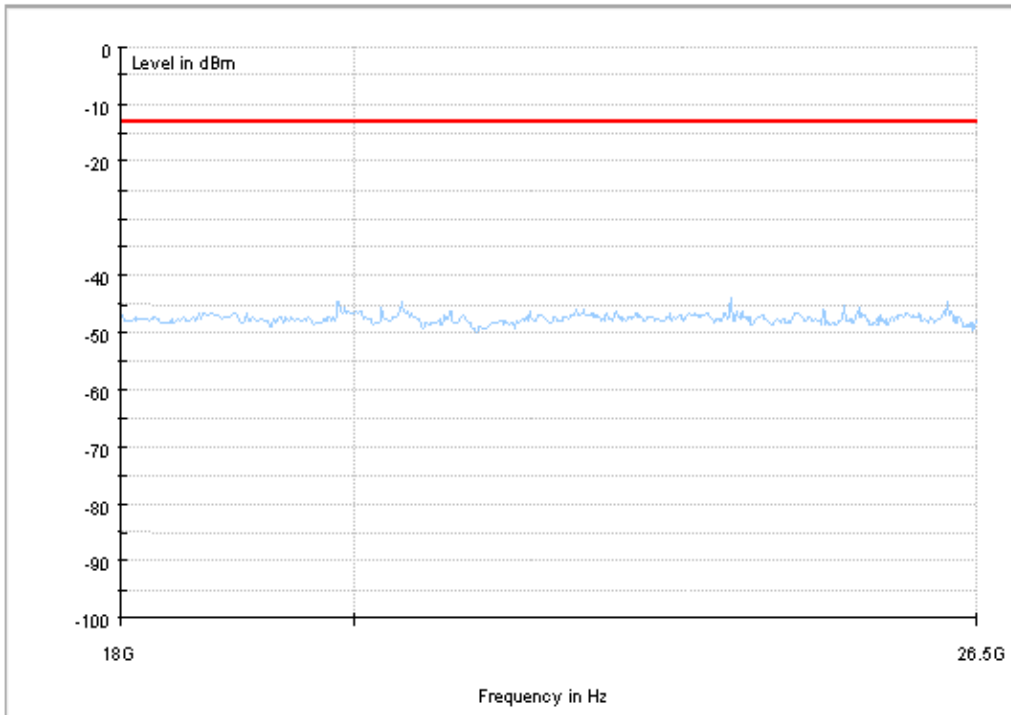
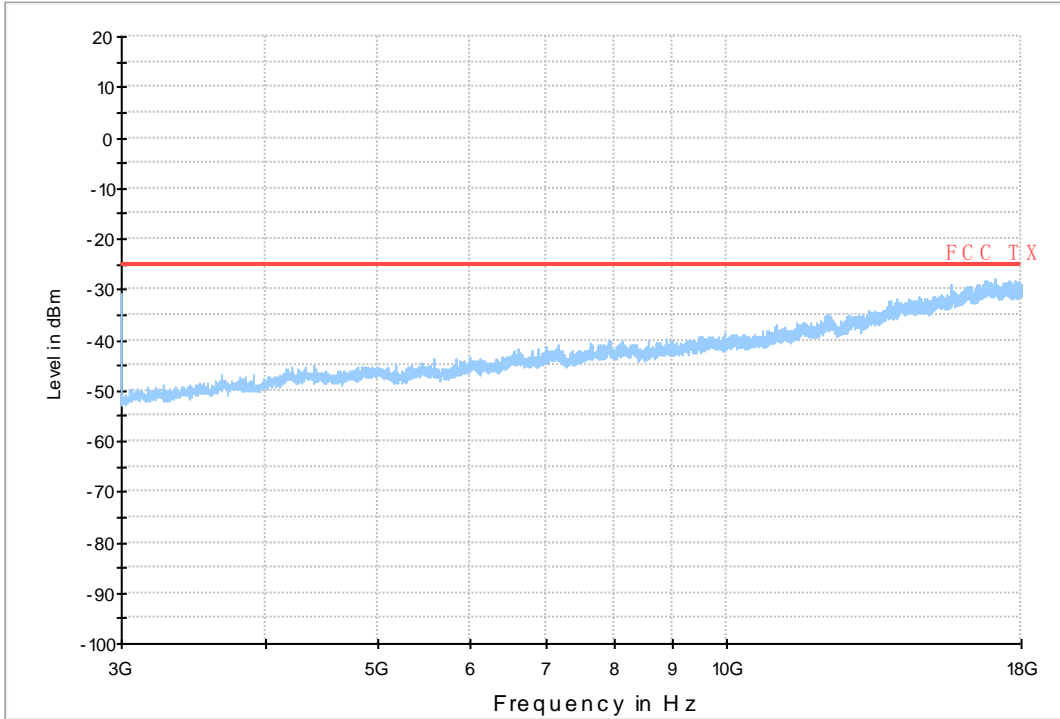
### 7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L

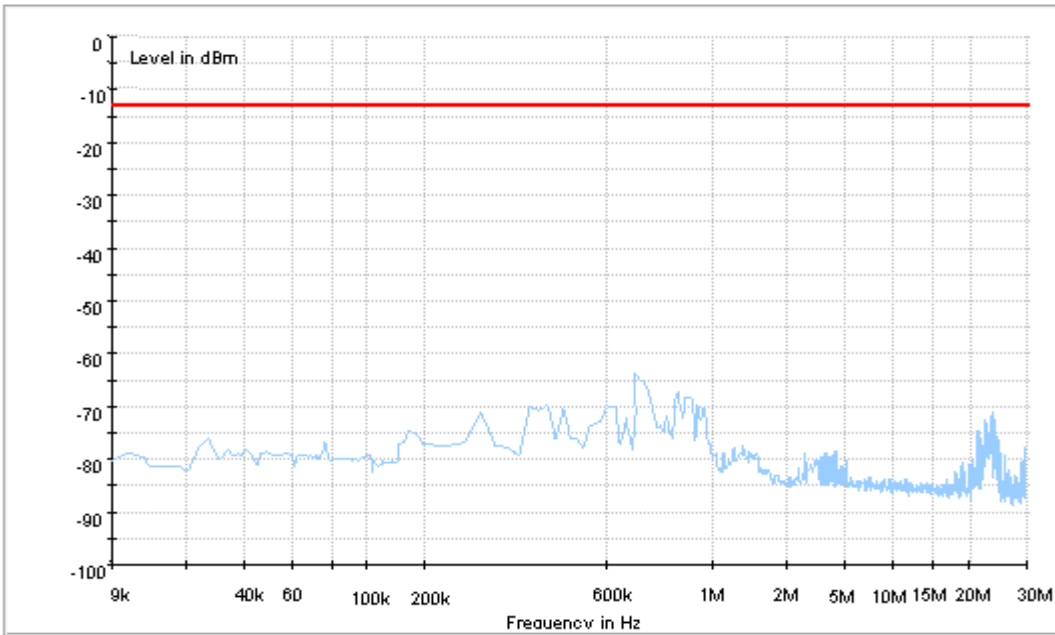


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H

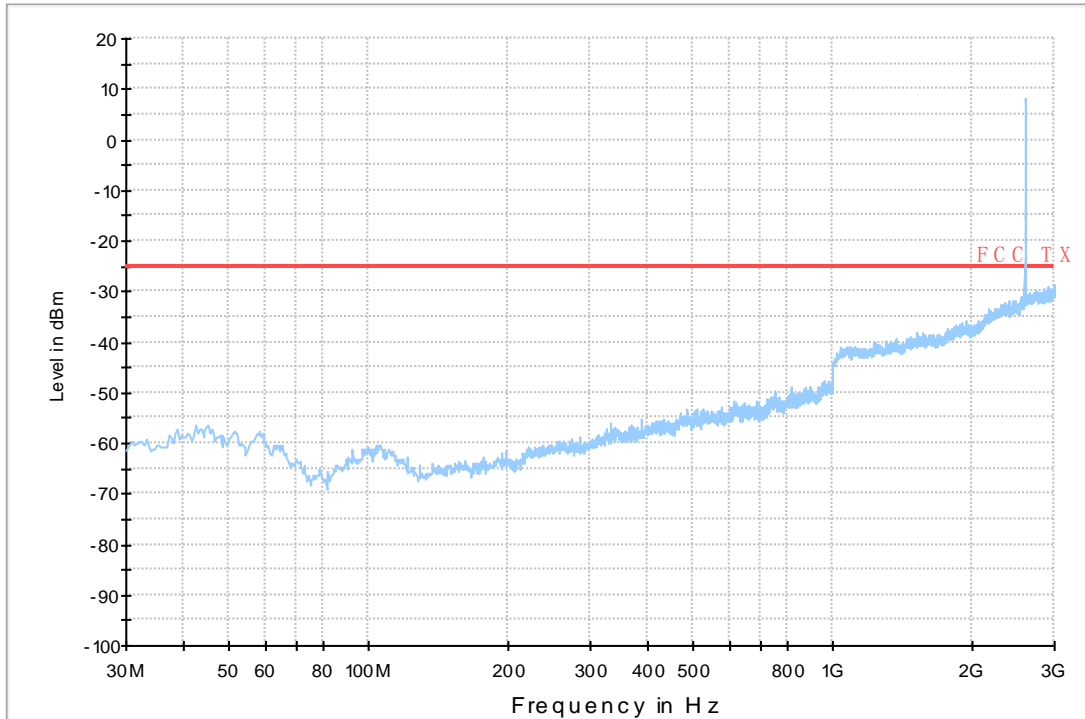


### 7.1.2 Test Band = BAND38\_Ant2

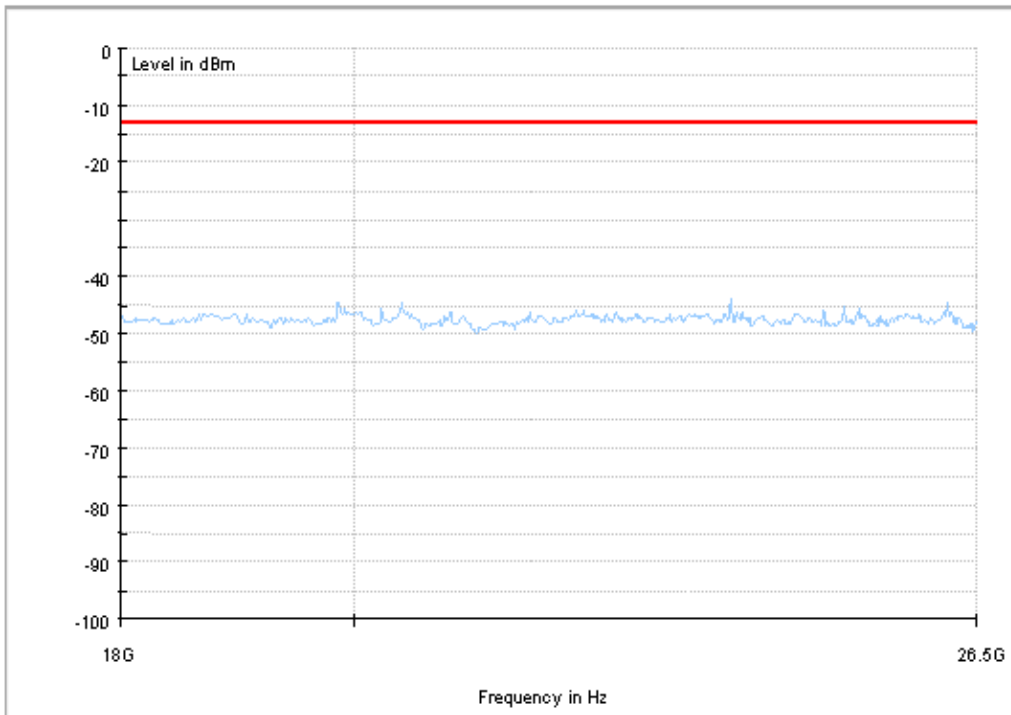
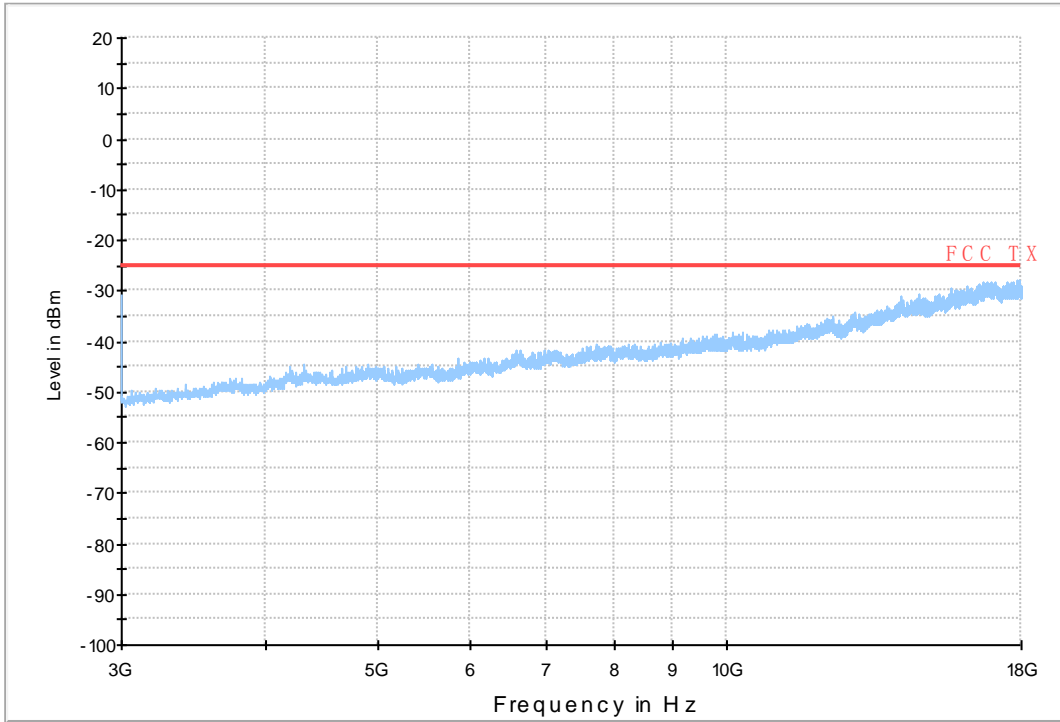
#### 7.1.2.1 Test Bandwidth = 5



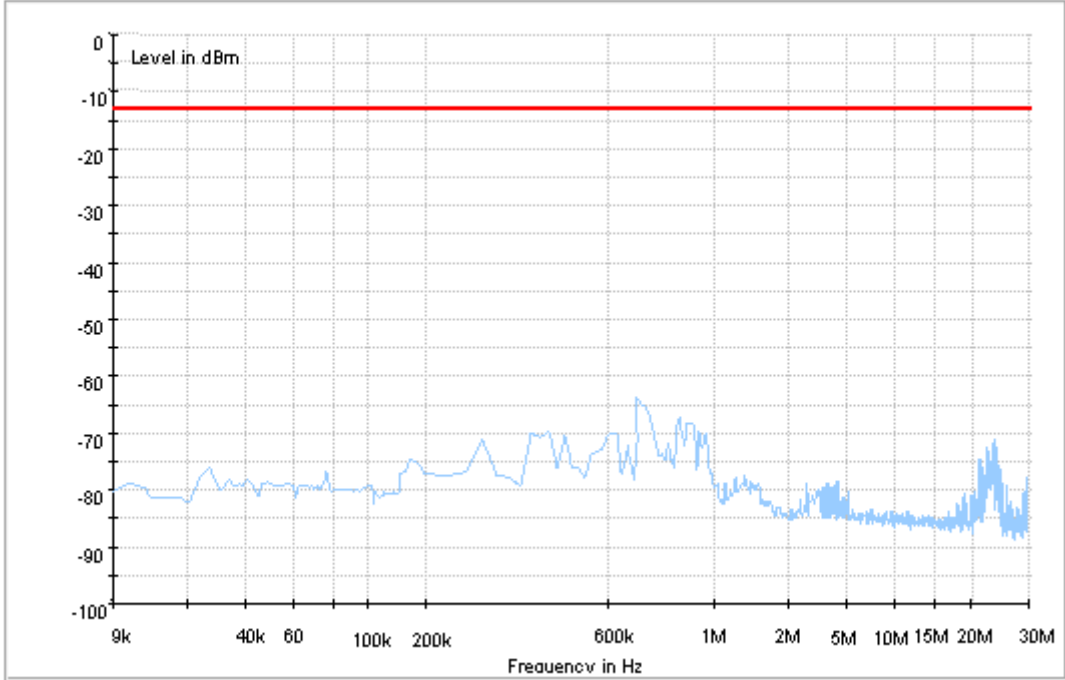
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



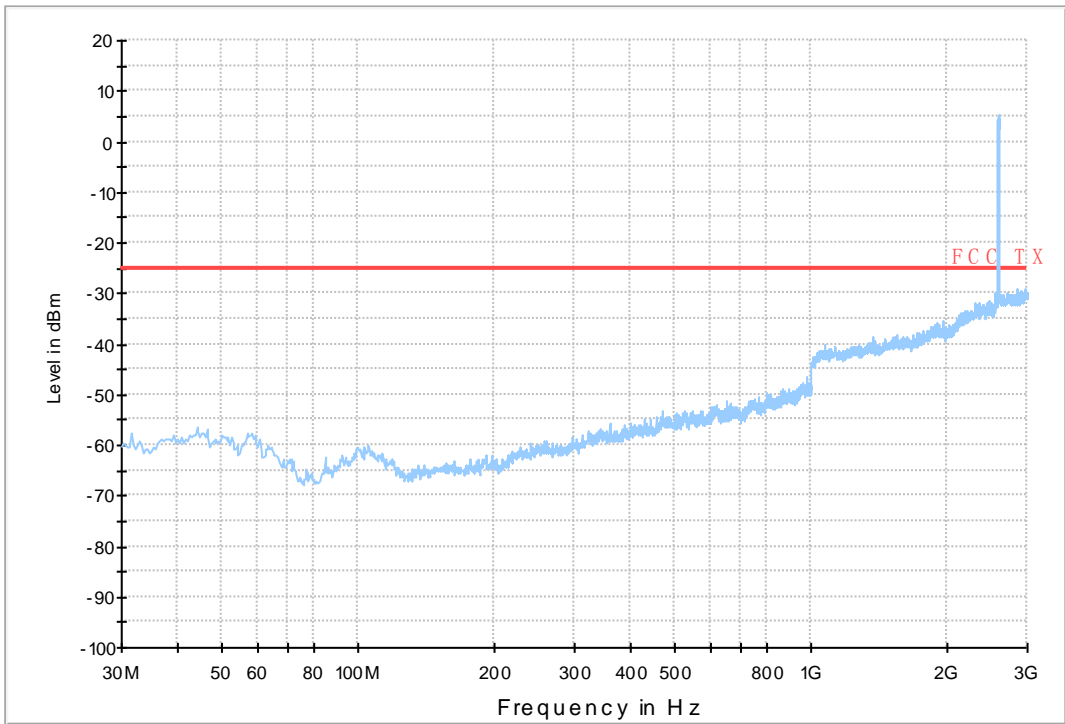
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



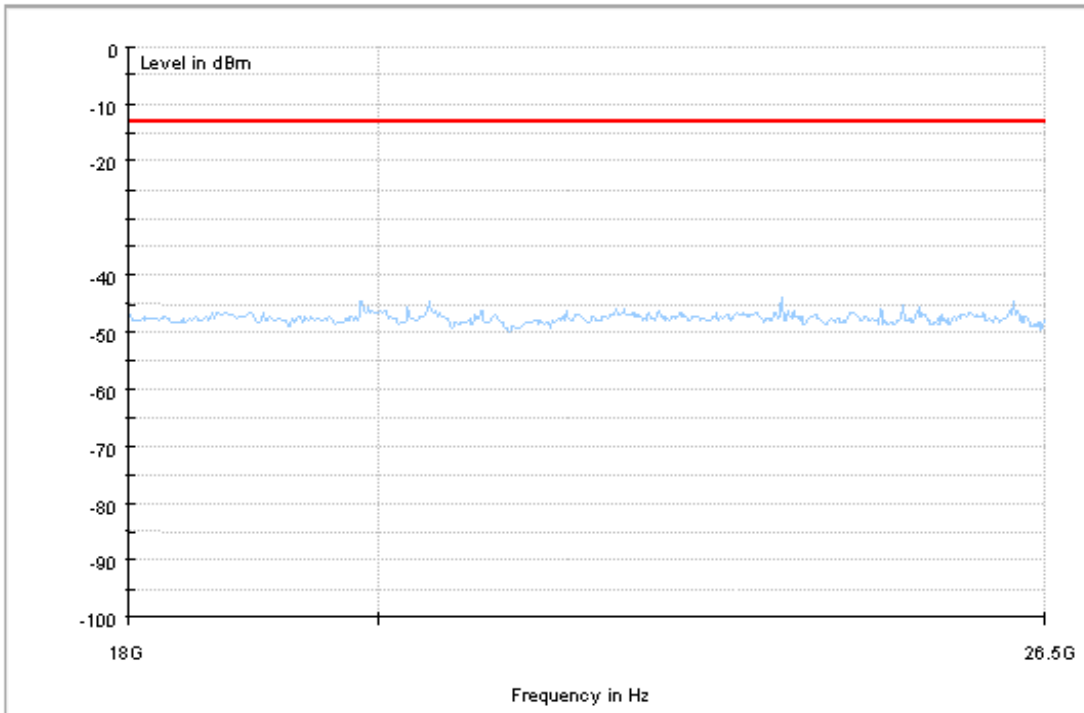
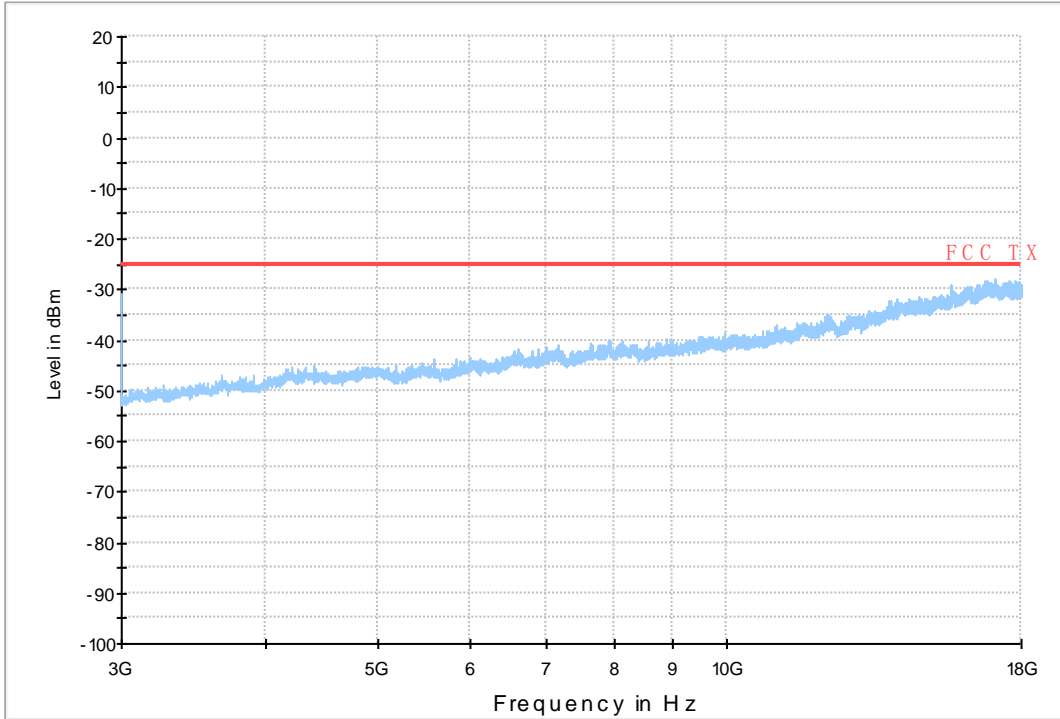
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H





## 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
BAND38	LTE/TM1	5	LCH	TN	VL	-20.76	-0.00807	PASS
					VN	-15.59	-0.00606	PASS
					VH	-14.33	-0.00557	PASS
			MCH	TN	VL	-36.66	-0.01413	PASS
					VN	-33.49	-0.01291	PASS
					VH	-42.82	-0.0165	PASS
			HCH	TN	VL	-17.28	-0.0066	PASS
					VN	-19.34	-0.00739	PASS
					VH	-20.61	-0.00787	PASS
		10	LCH	TN	VL	-19.03	-0.00739	PASS
					VN	-15.88	-0.00617	PASS
					VH	-16.79	-0.00652	PASS
			MCH	TN	VL	-22.07	-0.0085	PASS
					VN	-17.64	-0.0068	PASS
					VH	-24.42	-0.00941	PASS
			HCH	TN	VL	-22.52	-0.00861	PASS
					VN	-28.68	-0.01097	PASS
					VH	-23.92	-0.00915	PASS
		15	LCH	TN	VL	-17.92	-0.00695	PASS
					VN	-18.57	-0.0072	PASS
					VH	-15.12	-0.00587	PASS
			MCH	TN	VL	-18.27	-0.00704	PASS
					VN	-15.86	-0.00611	PASS
					VH	-20.51	-0.0079	PASS
			HCH	TN	VL	-17.35	-0.00664	PASS
					VN	-16.75	-0.00641	PASS
					VH	-11.97	-0.00458	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	VL	-21.31	-0.00826	PASS	
					VN	-18.87	-0.00731	PASS	
					VH	-17.67	-0.00685	PASS	
			MCH	TN	VL	-18.35	-0.00707	PASS	
					VN	-18.47	-0.00712	PASS	
					VH	-14.98	-0.00577	PASS	
			HCH	TN	VL	-17.11	-0.00656	PASS	
					VN	-22.79	-0.00873	PASS	
					VH	-17.32	-0.00664	PASS	
		LTE/TM2	5	LCH	TN	VL	-15.34	-0.00596	PASS
						VN	-18.17	-0.00706	PASS
						VH	-16.91	-0.00657	PASS
				MCH	TN	VL	-29.95	-0.01154	PASS
						VN	-16.74	-0.00645	PASS
						VH	-23.90	-0.00921	PASS
				HCH	TN	VL	-19.67	-0.00751	PASS
						VN	-11.93	-0.00456	PASS
						VH	-79.31	-0.0303	PASS
	10		LCH	TN	VL	-7.41	-0.00288	PASS	
					VN	-5.18	-0.00201	PASS	
					VH	-0.51	-0.0002	PASS	
			MCH	TN	VL	-12.85	-0.00495	PASS	
					VN	-18.85	-0.00726	PASS	
					VH	-17.37	-0.00669	PASS	
			HCH	TN	VL	-34.03	-0.01301	PASS	
					VN	-45.38	-0.01735	PASS	
					VH	-21.93	-0.00839	PASS	
	15	LCH	TN	VL	-18.80	-0.00729	PASS		
				VN	-16.01	-0.00621	PASS		
				VH	-15.84	-0.00615	PASS		
		MCH	TN	VL	-16.94	-0.00653	PASS		
				VN	-12.95	-0.00499	PASS		
				VH	-10.86	-0.00418	PASS		
		HCH	TN	VL	-13.20	-0.00505	PASS		
				VN	-15.06	-0.00576	PASS		
				VH	-15.18	-0.00581	PASS		
	20	LCH	TN	VL	-16.64	-0.00645	PASS		
				VN	-14.99	-0.00581	PASS		
				VH	-16.62	-0.00644	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	-16.34	-0.0063	PASS
					VN	-13.46	-0.00519	PASS
					VH	-12.43	-0.00479	PASS
			HCH	TN	VL	-9.43	-0.00361	PASS
					VN	-11.52	-0.00441	PASS
					VH	-13.40	-0.00513	PASS

## 8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	-30	LTE/TM1	5	LCH	VN	-20.31	-0.0079	PASS
				MCH	VN	-10.56	-0.00407	PASS
				HCH	VN	-14.98	-0.00572	PASS
			10	LCH	VN	-20.60	-0.008	PASS
				MCH	VN	-15.19	-0.00585	PASS
				HCH	VN	9.14	0.0035	PASS
			15	LCH	VN	-23.76	-0.00922	PASS
				MCH	VN	-16.09	-0.0062	PASS
				HCH	VN	-11.07	-0.00424	PASS
		20	LCH	VN	-16.25	-0.0063	PASS	
			MCH	VN	-14.59	-0.00562	PASS	
			HCH	VN	5.58	0.00214	PASS	
		LTE/TM2	5	LCH	VN	-52.97	-0.02059	PASS
				MCH	VN	14.33	0.00552	PASS
				HCH	VN	-11.14	-0.00426	PASS
			10	LCH	VN	-22.37	-0.00869	PASS
				MCH	VN	-9.31	-0.00359	PASS
				HCH	VN	-26.85	-0.01027	PASS
	15		LCH	VN	-19.37	-0.00752	PASS	
			MCH	VN	-13.48	-0.00519	PASS	
			HCH	VN	-14.81	-0.00567	PASS	
	20	LCH	VN	-19.90	-0.00771	PASS		
		MCH	VN	-16.12	-0.00621	PASS		
		HCH	VN	-12.49	-0.00479	PASS		
-20	LTE/TM1	5	LCH	VN	-25.36	-0.00986	PASS	
			MCH	VN	-17.35	-0.00669	PASS	
			HCH	VN	-58.94	-0.02252	PASS	



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			10	LCH	VN	-21.73	-0.00844	PASS	
				MCH	VN	-12.03	-0.00464	PASS	
				HCH	VN	-32.64	-0.01248	PASS	
			15	LCH	VN	-17.08	-0.00663	PASS	
				MCH	VN	-17.40	-0.00671	PASS	
				HCH	VN	-14.00	-0.00536	PASS	
			20	LCH	VN	-17.57	-0.00681	PASS	
				MCH	VN	-17.82	-0.00687	PASS	
				HCH	VN	-14.26	-0.00546	PASS	
			LTE/TM2	5	LCH	VN	-23.92	-0.0093	PASS
					MCH	VN	-13.53	-0.00521	PASS
					HCH	VN	-40.41	-0.01544	PASS
				10	LCH	VN	-15.64	-0.00607	PASS
					MCH	VN	-15.81	-0.00609	PASS
					HCH	VN	-48.72	-0.01863	PASS
				15	LCH	VN	-17.05	-0.00661	PASS
					MCH	VN	-16.78	-0.00647	PASS
					HCH	VN	-14.25	-0.00545	PASS
		20		LCH	VN	-17.52	-0.00679	PASS	
				MCH	VN	-18.08	-0.00697	PASS	
				HCH	VN	-15.95	-0.00611	PASS	
		LTE/TM1		5	LCH	VN	-21.21	-0.00824	PASS
					MCH	VN	-24.69	-0.00951	PASS
					HCH	VN	-51.96	-0.01985	PASS
				10	LCH	VN	-20.27	-0.00787	PASS
					MCH	VN	-15.92	-0.00613	PASS
					HCH	VN	-37.55	-0.01436	PASS
			15	LCH	VN	-17.95	-0.00696	PASS	
				MCH	VN	-15.69	-0.00605	PASS	
				HCH	VN	-22.44	-0.00859	PASS	
			20	LCH	VN	-17.18	-0.00666	PASS	
				MCH	VN	-17.61	-0.00679	PASS	
				HCH	VN	-18.85	-0.00722	PASS	
			LTE/TM2	5	LCH	VN	-78.59	-0.03055	PASS
					MCH	VN	-43.60	-0.0168	PASS
					HCH	VN	-66.85	-0.02554	PASS
10	LCH			VN	-12.00	-0.00466	PASS		
	MCH			VN	-21.86	-0.00842	PASS		
	HCH			VN	-37.36	-0.01429	PASS		



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	0	LTE/TM1	15	LCH	VN	-18.00	-0.00698	PASS
				MCH	VN	-19.08	-0.00735	PASS
				HCH	VN	-15.36	-0.00588	PASS
			20	LCH	VN	-18.00	-0.00698	PASS
				MCH	VN	-17.22	-0.00664	PASS
				HCH	VN	-15.95	-0.00611	PASS
			5	LCH	VN	-15.52	-0.00603	PASS
				MCH	VN	-13.22	-0.00509	PASS
				HCH	VN	-18.53	-0.00708	PASS
		10		LCH	VN	-3.99	-0.00155	PASS
				MCH	VN	-14.81	-0.00571	PASS
				HCH	VN	-42.72	-0.01634	PASS
		15		LCH	VN	-16.34	-0.00634	PASS
				MCH	VN	-17.31	-0.00667	PASS
				HCH	VN	-16.45	-0.0063	PASS
		20	LCH	VN	-18.67	-0.00724	PASS	
			MCH	VN	-14.31	-0.00551	PASS	
			HCH	VN	-14.31	-0.00548	PASS	
	LTE/TM2	5	LCH	VN	-23.10	-0.00898	PASS	
			MCH	VN	-13.83	-0.00533	PASS	
			HCH	VN	-17.70	-0.00676	PASS	
		10	LCH	VN	0.51	0.0002	PASS	
			MCH	VN	-13.10	-0.00505	PASS	
			HCH	VN	-29.98	-0.01146	PASS	
		15	LCH	VN	-13.33	-0.00517	PASS	
			MCH	VN	-13.18	-0.00508	PASS	
			HCH	VN	-20.61	-0.00789	PASS	
		20	LCH	VN	-17.92	-0.00695	PASS	
			MCH	VN	-15.02	-0.00579	PASS	
			HCH	VN	-8.88	-0.0034	PASS	
	10	LTE/TM1	5	LCH	VN	-19.81	-0.0077	PASS
				MCH	VN	-15.22	-0.00587	PASS
				HCH	VN	-16.28	-0.00622	PASS
			10	LCH	VN	-9.78	-0.0038	PASS
				MCH	VN	-11.40	-0.00439	PASS
				HCH	VN	-30.94	-0.01183	PASS
15			LCH	VN	-18.25	-0.00708	PASS	
			MCH	VN	-13.23	-0.0051	PASS	
			HCH	VN	-24.16	-0.00925	PASS	



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	20	LTE/TM2	20	LCH	VN	-17.11	-0.00663	PASS	
				MCH	VN	-15.65	-0.00603	PASS	
				HCH	VN	-12.09	-0.00463	PASS	
			5	LCH	VN	-18.88	-0.00734	PASS	
				MCH	VN	-4.94	-0.0019	PASS	
				HCH	VN	-16.79	-0.00641	PASS	
			10	LCH	VN	-20.77	-0.00807	PASS	
				MCH	VN	-11.09	-0.00427	PASS	
				HCH	VN	-16.58	-0.00634	PASS	
		15	LCH	VN	-15.86	-0.00615	PASS		
			MCH	VN	-15.19	-0.00585	PASS		
			HCH	VN	-12.96	-0.00496	PASS		
		20	LCH	VN	-16.29	-0.00631	PASS		
			MCH	VN	-15.88	-0.00612	PASS		
			HCH	VN	-14.09	-0.0054	PASS		
		20	LTE/TM1	5	LCH	VN	-55.17	-0.02145	PASS
					MCH	VN	-0.63	-0.00024	PASS
					HCH	VN	-14.58	-0.00557	PASS
	10			LCH	VN	-25.23	-0.0098	PASS	
				MCH	VN	-15.11	-0.00582	PASS	
				HCH	VN	-37.99	-0.01453	PASS	
	15			LCH	VN	-19.03	-0.00738	PASS	
				MCH	VN	-16.95	-0.00653	PASS	
				HCH	VN	-15.58	-0.00596	PASS	
	20		LCH	VN	-18.85	-0.00731	PASS		
			MCH	VN	-17.65	-0.0068	PASS		
			HCH	VN	-14.03	-0.00538	PASS		
	LTE/TM2		5	LCH	VN	-22.42	-0.00872	PASS	
				MCH	VN	-15.03	-0.00579	PASS	
				HCH	VN	-18.30	-0.00699	PASS	
			10	LCH	VN	-29.41	-0.01142	PASS	
				MCH	VN	-12.76	-0.00492	PASS	
				HCH	VN	-16.29	-0.00623	PASS	
		15	LCH	VN	-18.87	-0.00732	PASS		
			MCH	VN	-15.16	-0.00584	PASS		
			HCH	VN	-22.75	-0.00871	PASS		
20	LCH	VN	-16.94	-0.00657	PASS				
	MCH	VN	-19.11	-0.00736	PASS				
	HCH	VN	-17.71	-0.00679	PASS				



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	30	LTE/TM1	5	LCH	VN	-22.86	-0.00889	PASS
				MCH	VN	-15.44	-0.00595	PASS
				HCH	VN	-16.71	-0.00638	PASS
			10	LCH	VN	-21.03	-0.00817	PASS
				MCH	VN	-25.21	-0.00971	PASS
				HCH	VN	-17.04	-0.00652	PASS
			15	LCH	VN	-15.55	-0.00603	PASS
				MCH	VN	-17.98	-0.00693	PASS
				HCH	VN	-13.83	-0.00529	PASS
		20	LCH	VN	-17.52	-0.00679	PASS	
			MCH	VN	-15.81	-0.00609	PASS	
			HCH	VN	-14.31	-0.00548	PASS	
		LTE/TM2	5	LCH	VN	-51.27	-0.01993	PASS
				MCH	VN	-19.07	-0.00735	PASS
				HCH	VN	-43.77	-0.01672	PASS
	10		LCH	VN	-8.47	-0.00329	PASS	
			MCH	VN	-18.47	-0.00712	PASS	
			HCH	VN	-17.52	-0.0067	PASS	
	15		LCH	VN	-20.14	-0.00781	PASS	
			MCH	VN	-16.54	-0.00637	PASS	
			HCH	VN	-15.19	-0.00581	PASS	
	20	LCH	VN	-18.74	-0.00726	PASS		
		MCH	VN	-15.68	-0.00604	PASS		
		HCH	VN	-16.81	-0.00644	PASS		
	40	LTE/TM1	5	LCH	VN	-18.05	-0.00702	PASS
				MCH	VN	-13.93	-0.00537	PASS
				HCH	VN	-57.13	-0.02183	PASS
			10	LCH	VN	-16.34	-0.00635	PASS
				MCH	VN	-15.56	-0.006	PASS
				HCH	VN	-30.13	-0.01152	PASS
15			LCH	VN	-17.34	-0.00673	PASS	
			MCH	VN	-14.59	-0.00562	PASS	
			HCH	VN	-15.71	-0.00601	PASS	
20		LCH	VN	-17.97	-0.00697	PASS		
		MCH	VN	-15.79	-0.00608	PASS		
		HCH	VN	-15.36	-0.00589	PASS		
LTE/TM2		5	LCH	VN	-17.88	-0.00695	PASS	
			MCH	VN	-12.86	-0.00496	PASS	
			HCH	VN	-53.97	-0.02062	PASS	



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			10	LCH	VN	-18.90	-0.00734	PASS		
				MCH	VN	-12.65	-0.00487	PASS		
				HCH	VN	-11.57	-0.00442	PASS		
			15	LCH	VN	-15.99	-0.0062	PASS		
				MCH	VN	-15.12	-0.00583	PASS		
				HCH	VN	-16.05	-0.00614	PASS		
			20	LCH	VN	-16.98	-0.00658	PASS		
				MCH	VN	-15.06	-0.0058	PASS		
				HCH	VN	-16.91	-0.00648	PASS		
			50	LTE/TM1	5	LCH	VN	-23.90	-0.00929	PASS
						MCH	VN	-15.68	-0.00604	PASS
						HCH	VN	-13.22	-0.00505	PASS
					10	LCH	VN	-23.20	-0.00901	PASS
						MCH	VN	-11.89	-0.00458	PASS
						HCH	VN	-21.20	-0.00811	PASS
	15	LCH			VN	-16.38	-0.00635	PASS		
		MCH			VN	-18.44	-0.00711	PASS		
		HCH			VN	-14.92	-0.00571	PASS		
	20	LCH			VN	-20.53	-0.00796	PASS		
		MCH			VN	-14.91	-0.00575	PASS		
		HCH			VN	-16.11	-0.00617	PASS		
	LTE/TM2	5			LCH	VN	-16.31	-0.00634	PASS	
					MCH	VN	-16.09	-0.0062	PASS	
					HCH	VN	-55.66	-0.02126	PASS	
		10	LCH	VN	-21.76	-0.00845	PASS			
			MCH	VN	-10.57	-0.00407	PASS			
			HCH	VN	-38.55	-0.01474	PASS			
		15	LCH	VN	-16.12	-0.00625	PASS			
			MCH	VN	-15.74	-0.00607	PASS			
			HCH	VN	-18.20	-0.00697	PASS			
20		LCH	VN	-14.10	-0.00547	PASS				
		MCH	VN	-17.55	-0.00676	PASS				
		HCH	VN	-16.24	-0.00622	PASS				

END