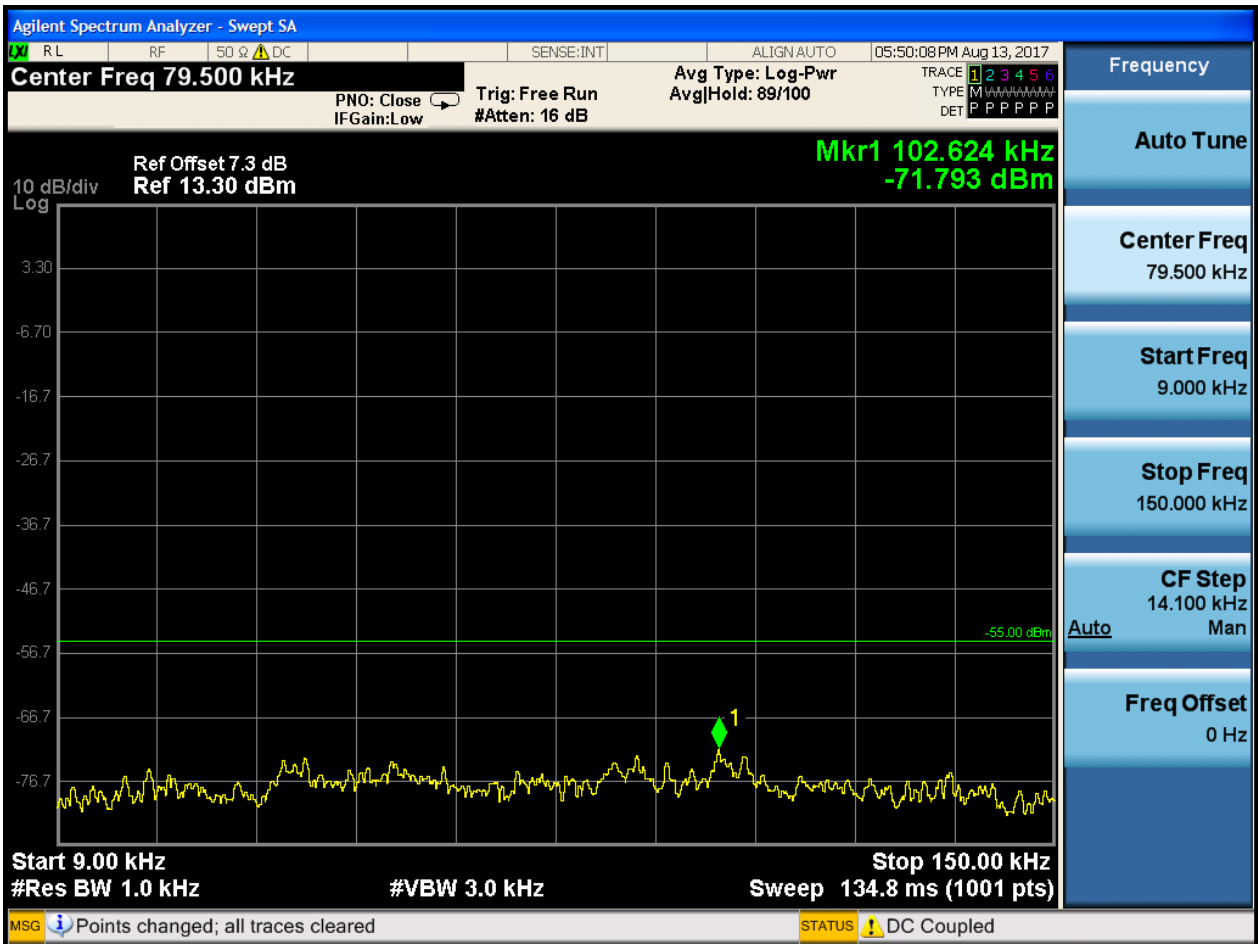




6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



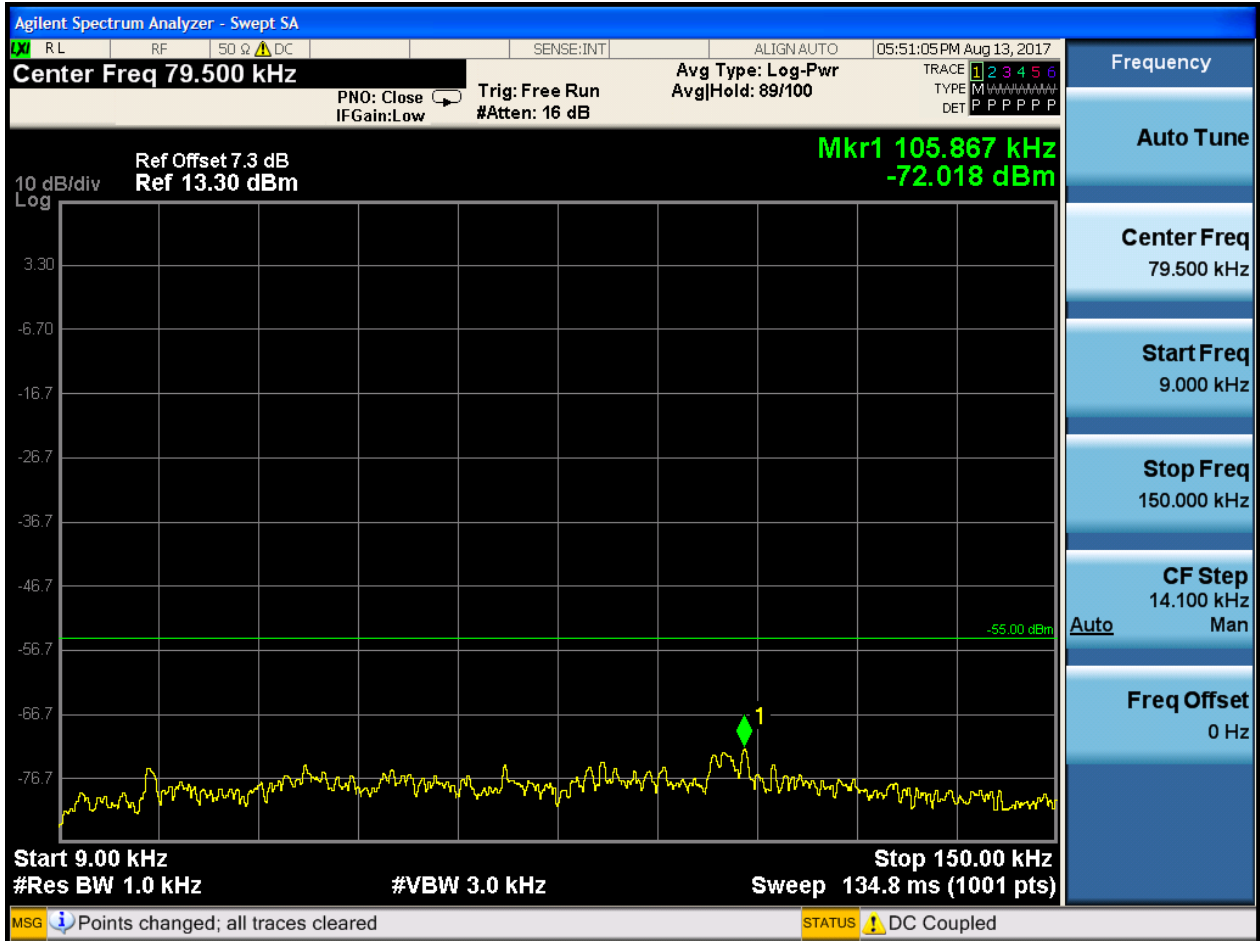




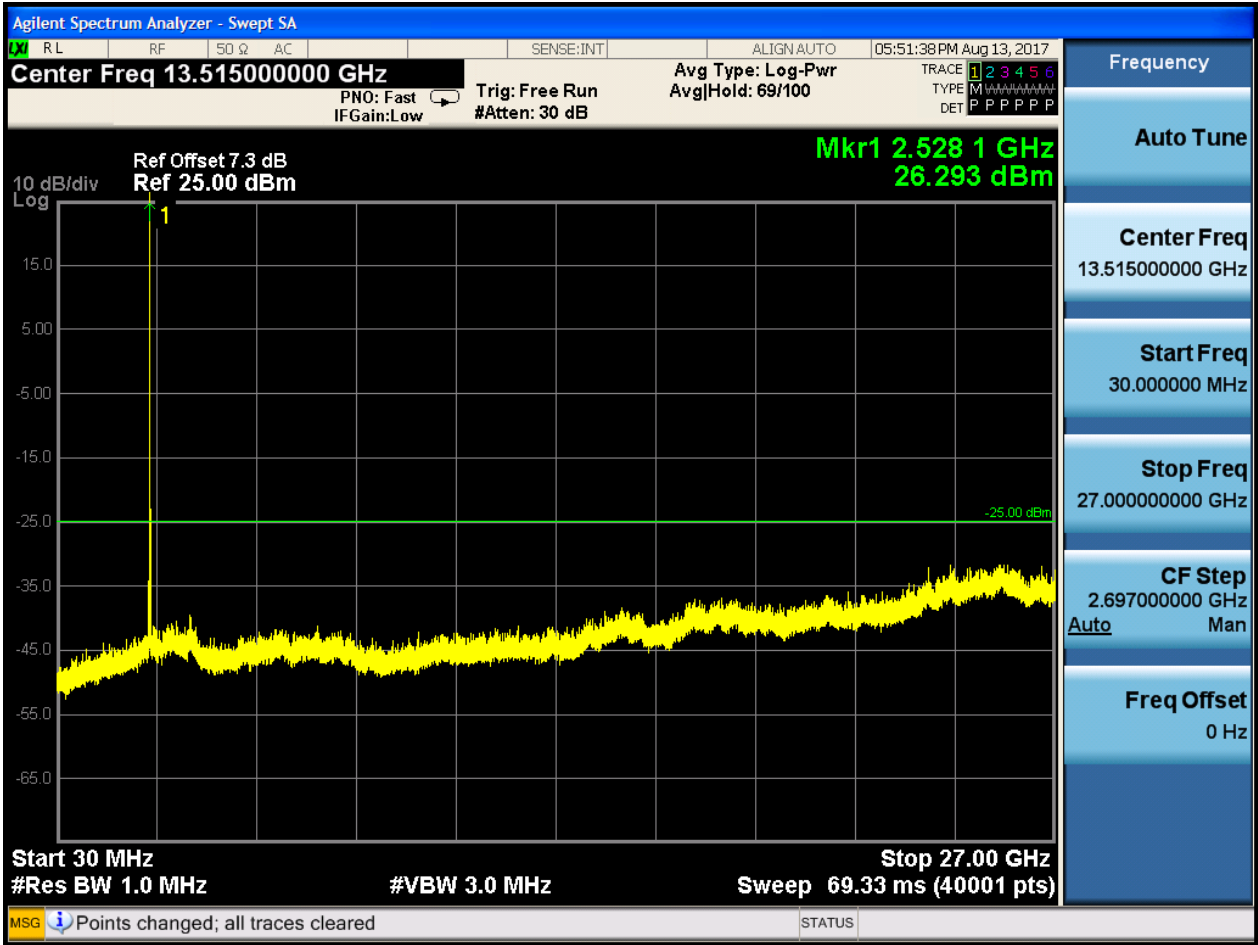


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



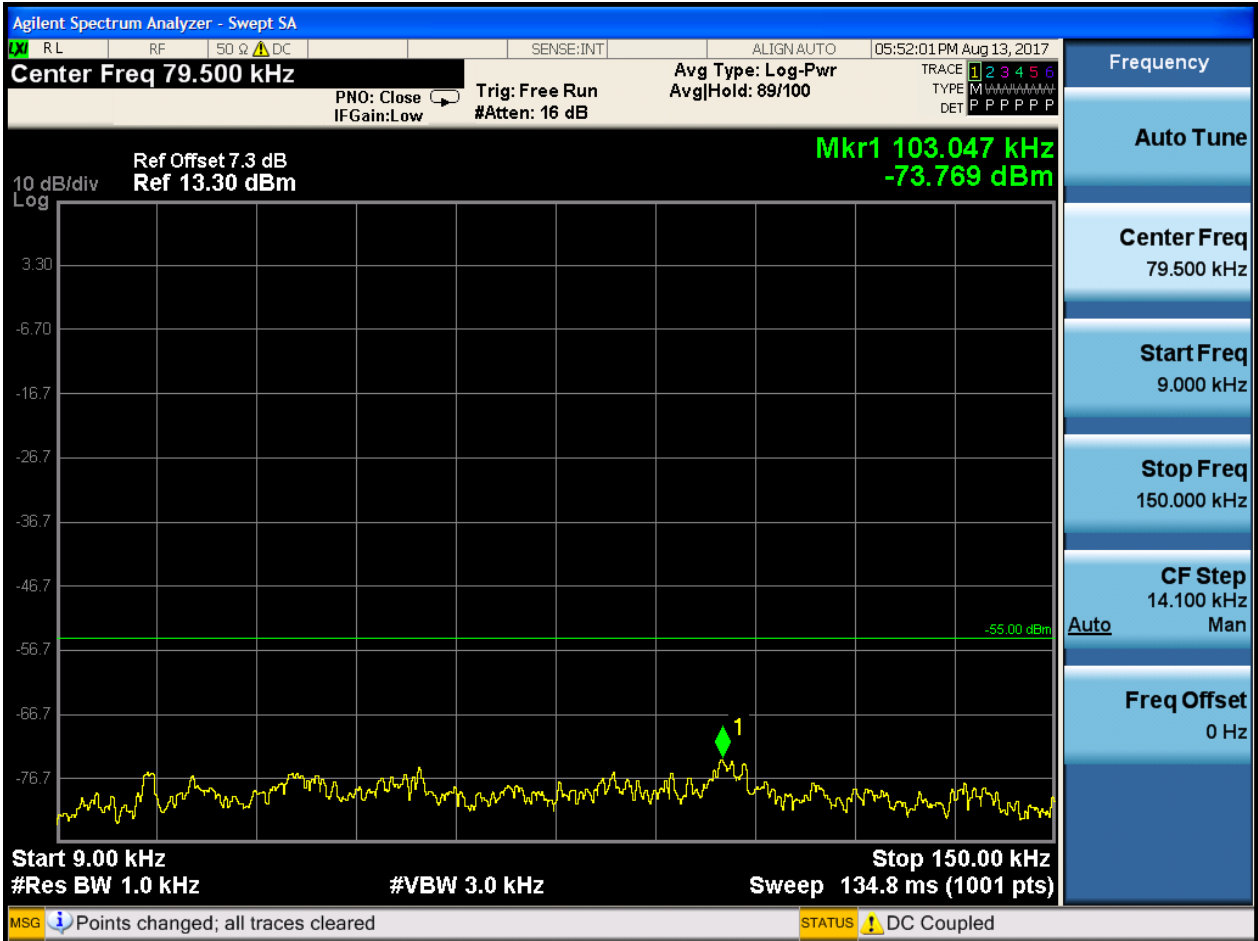


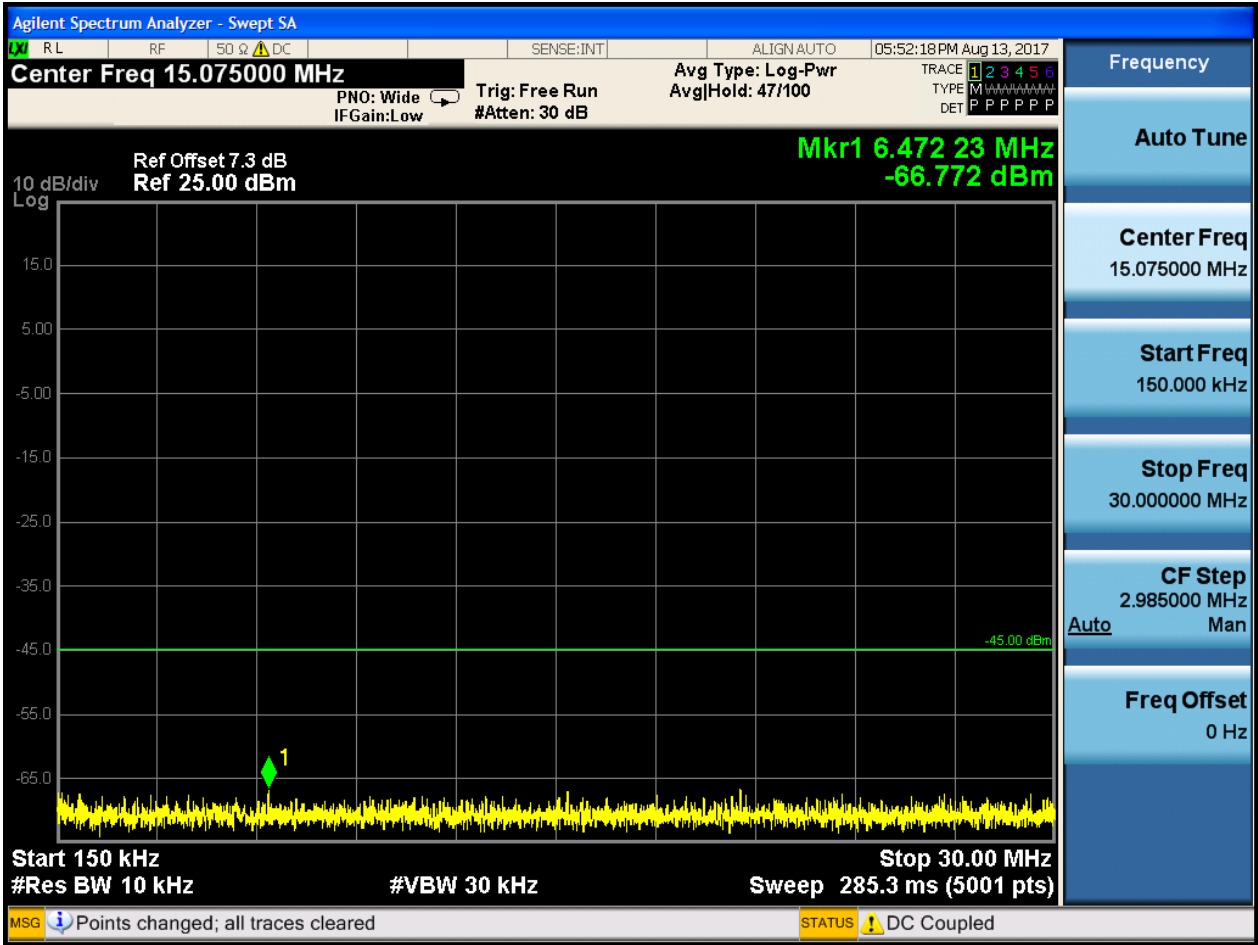




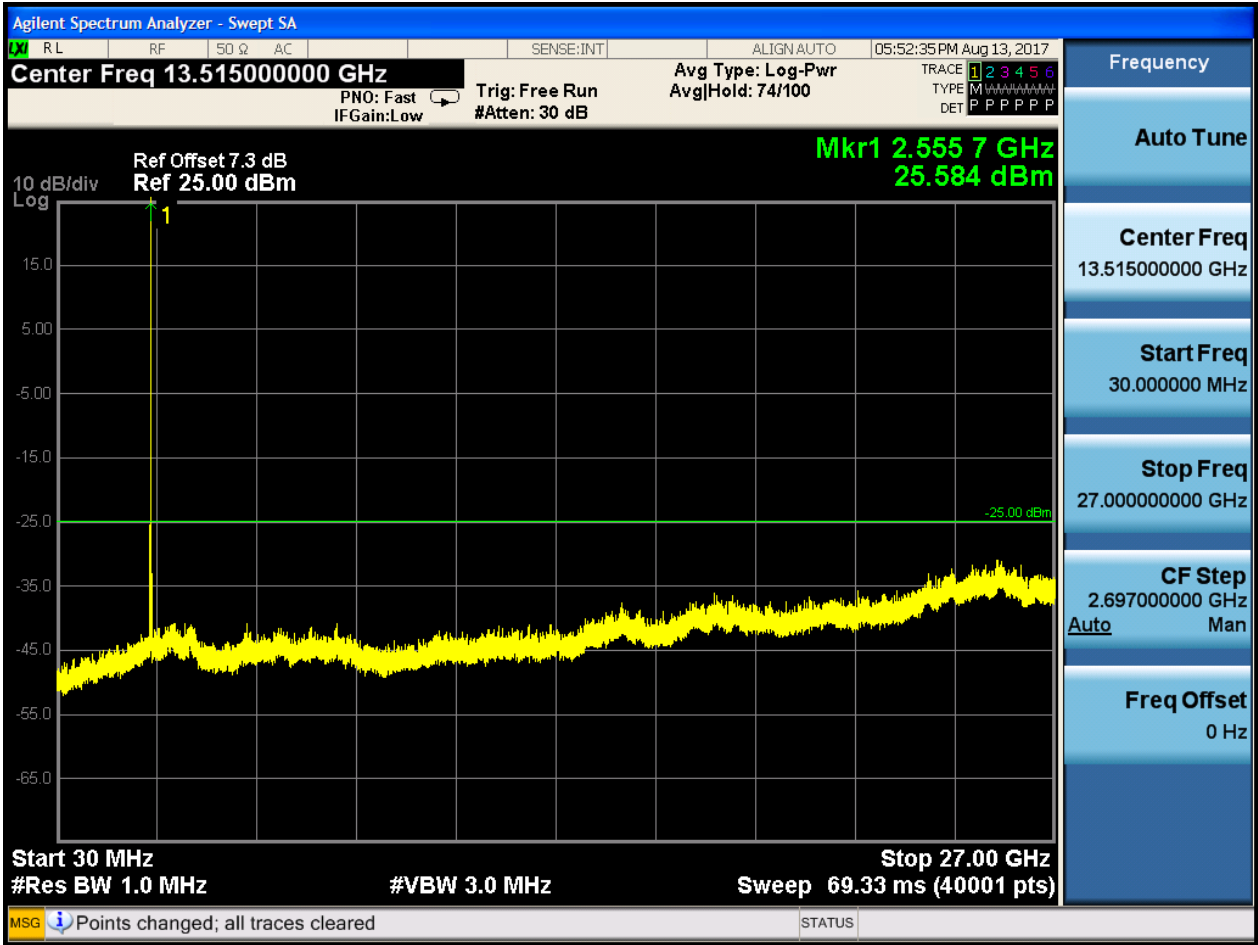
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







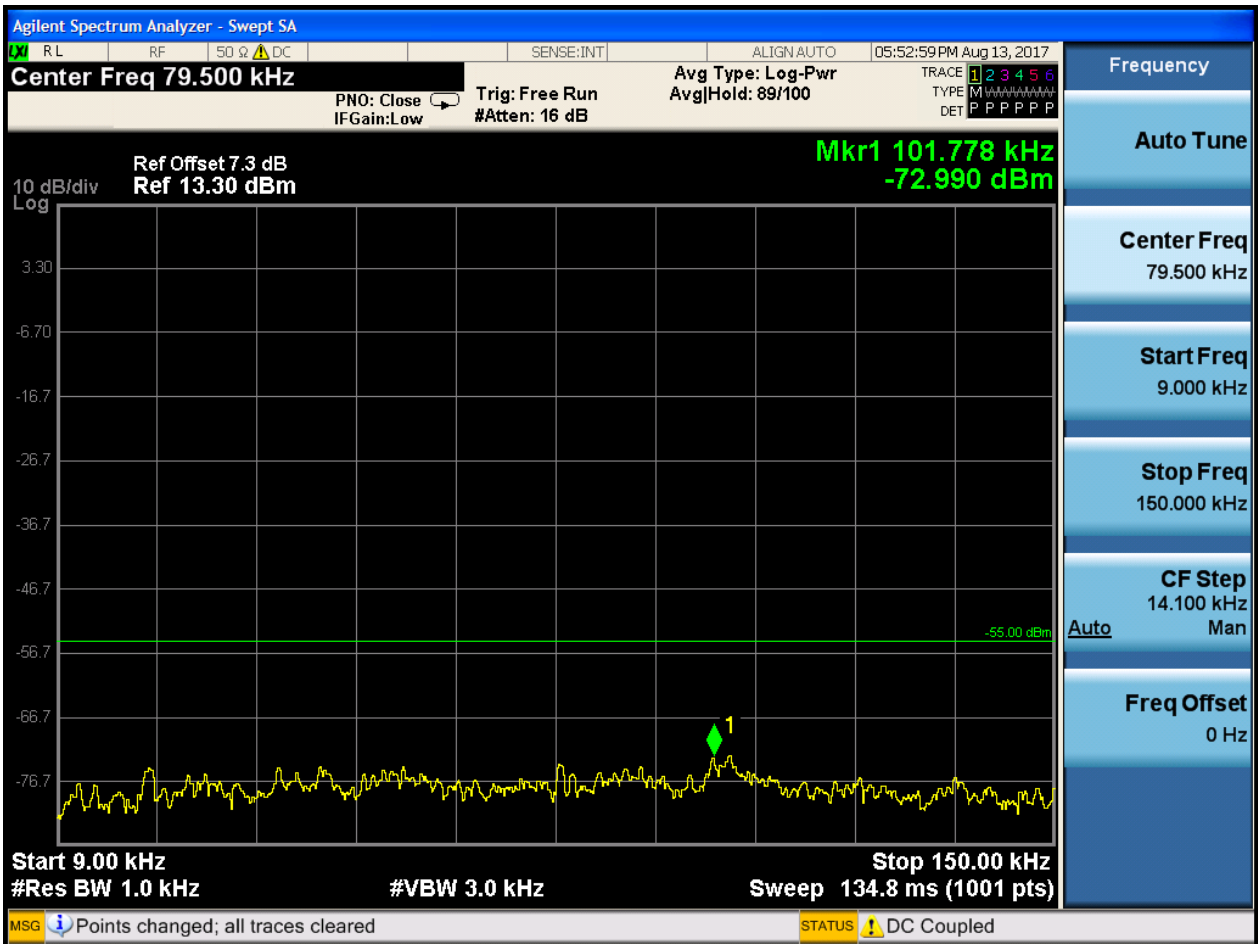




6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



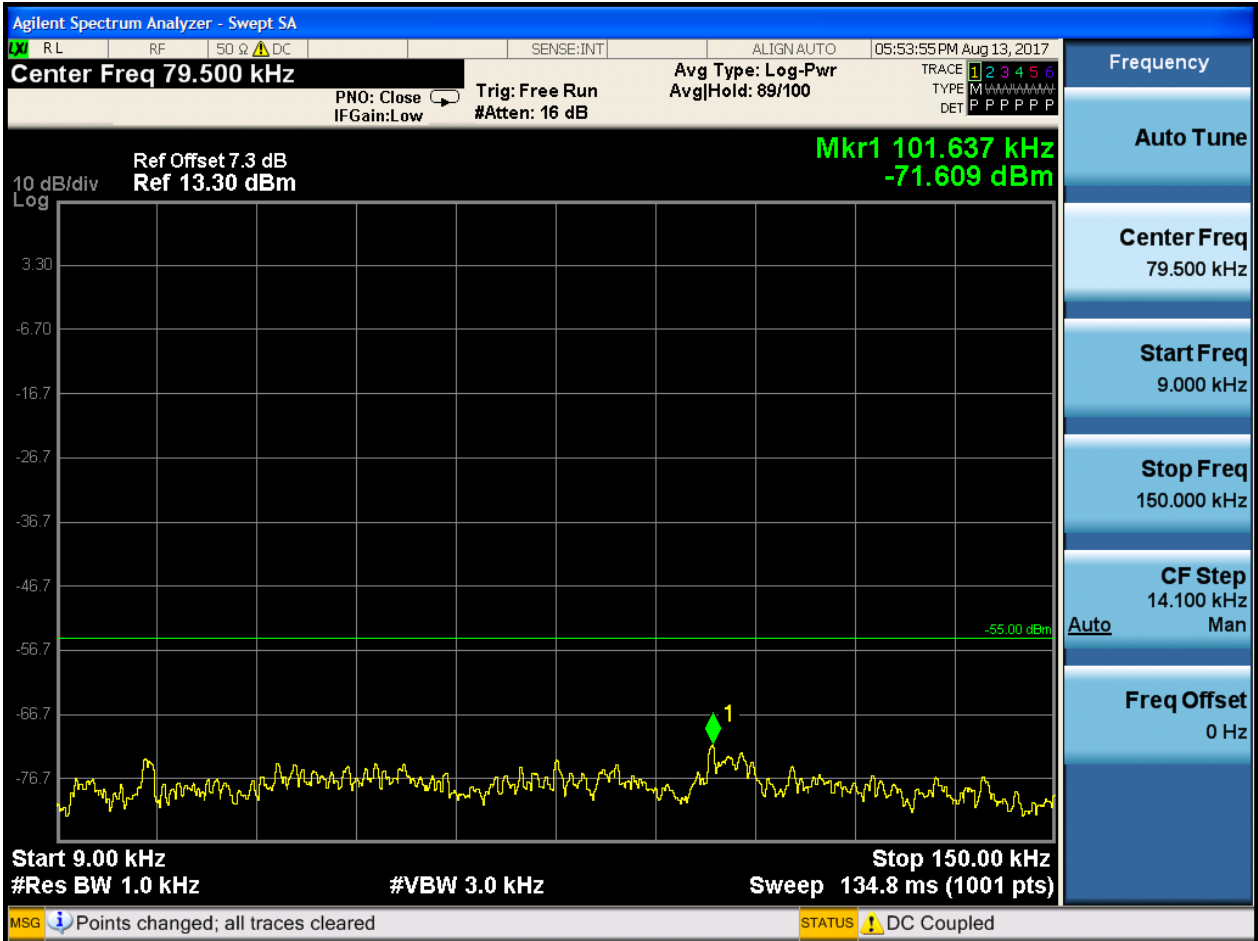


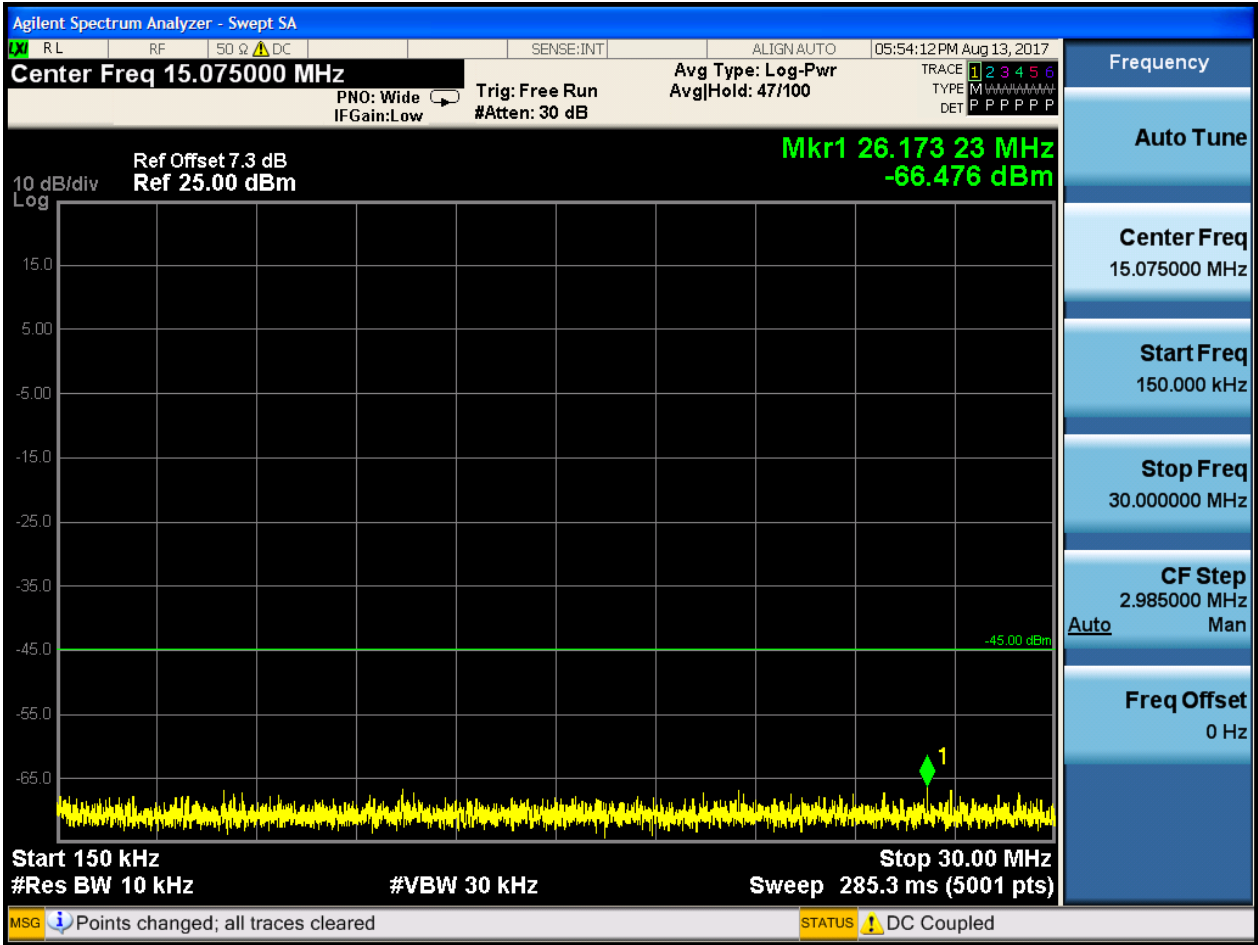


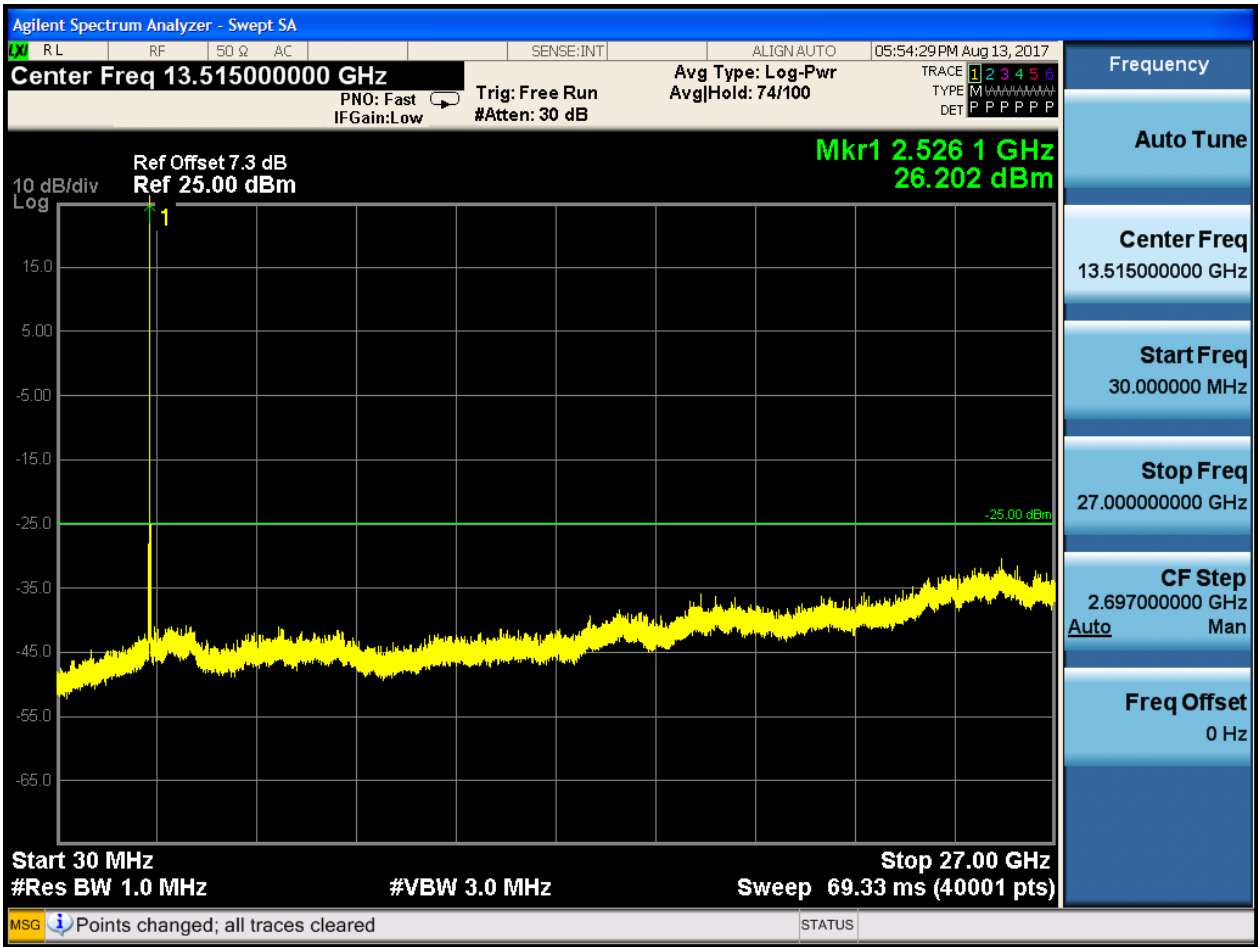


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



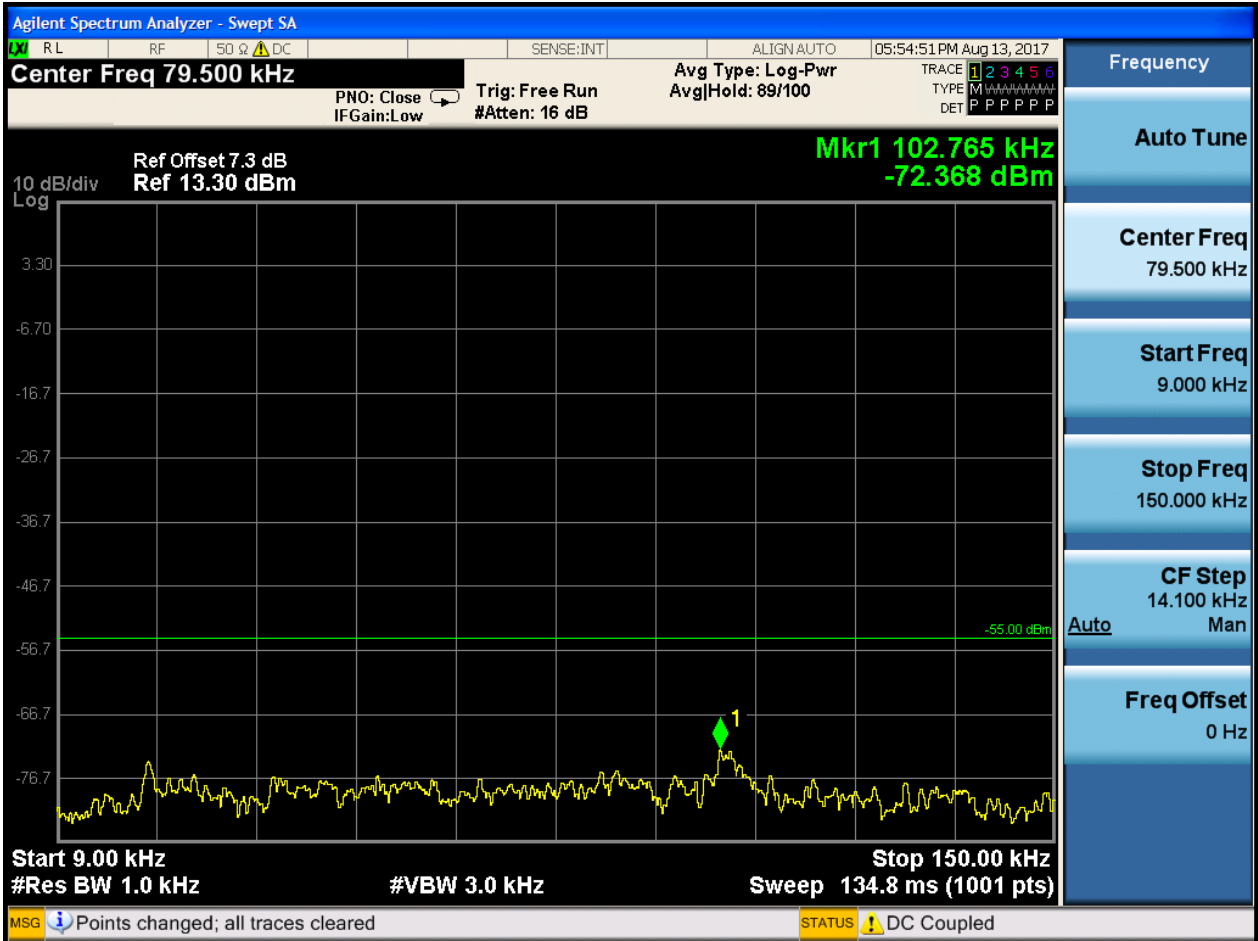




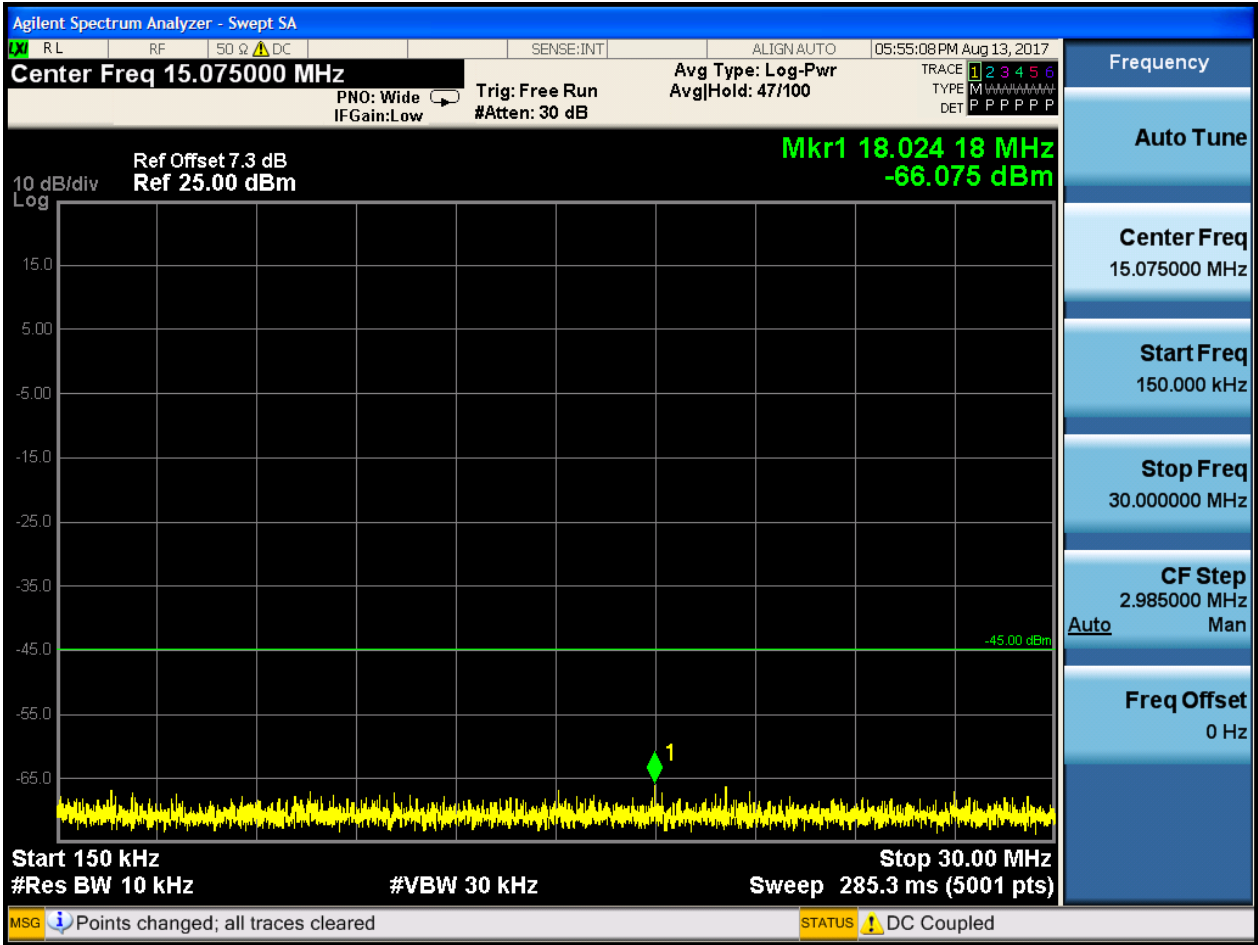


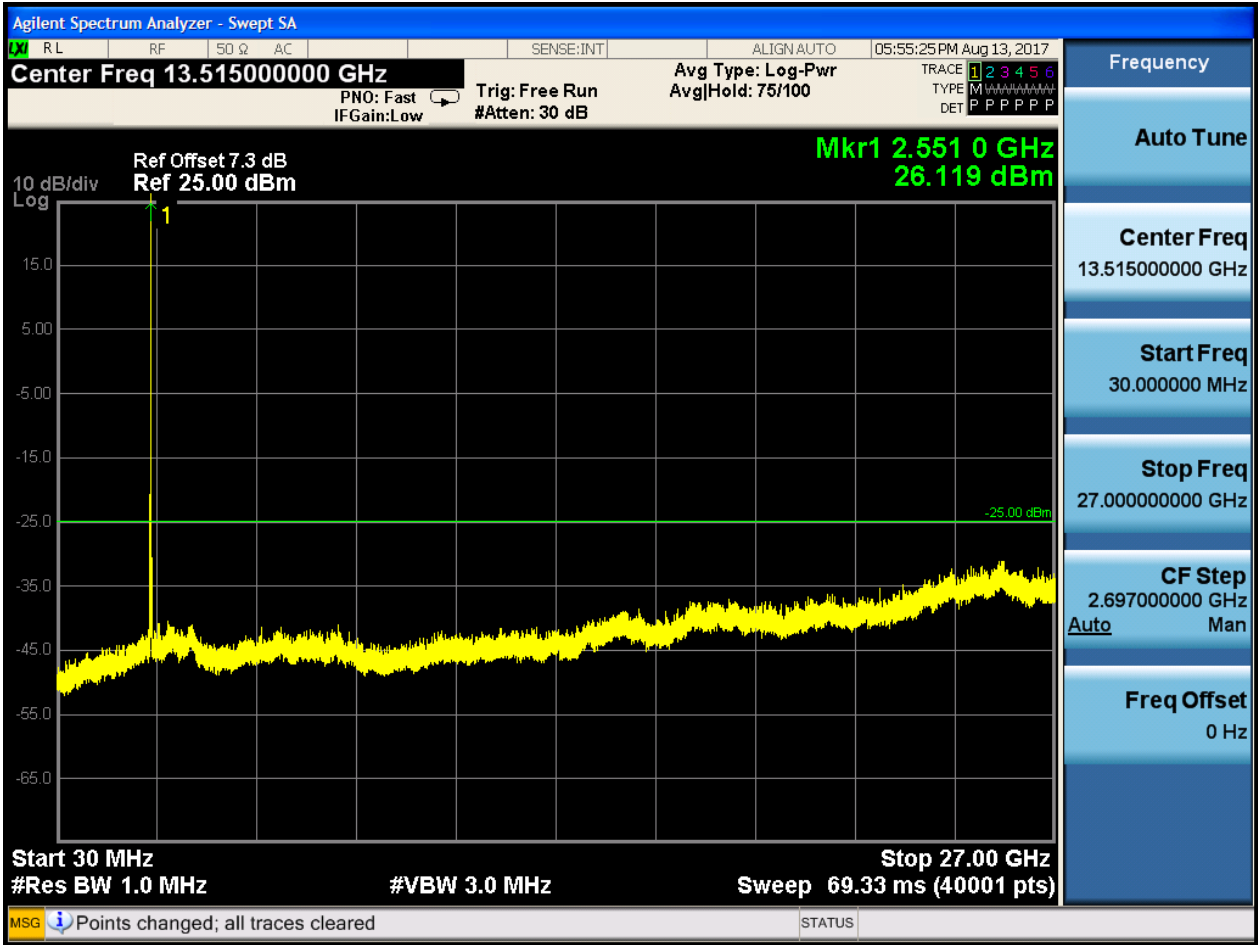
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









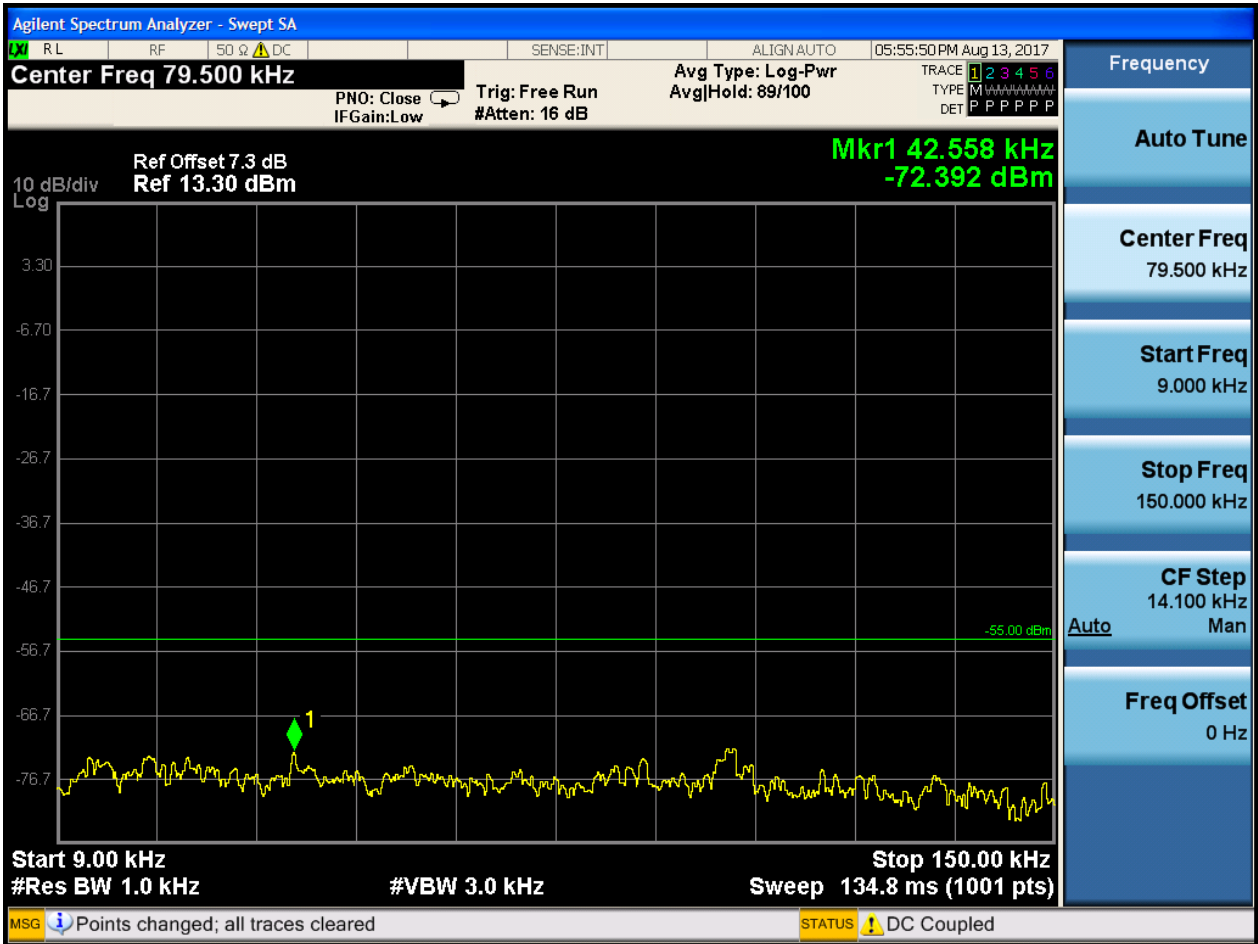


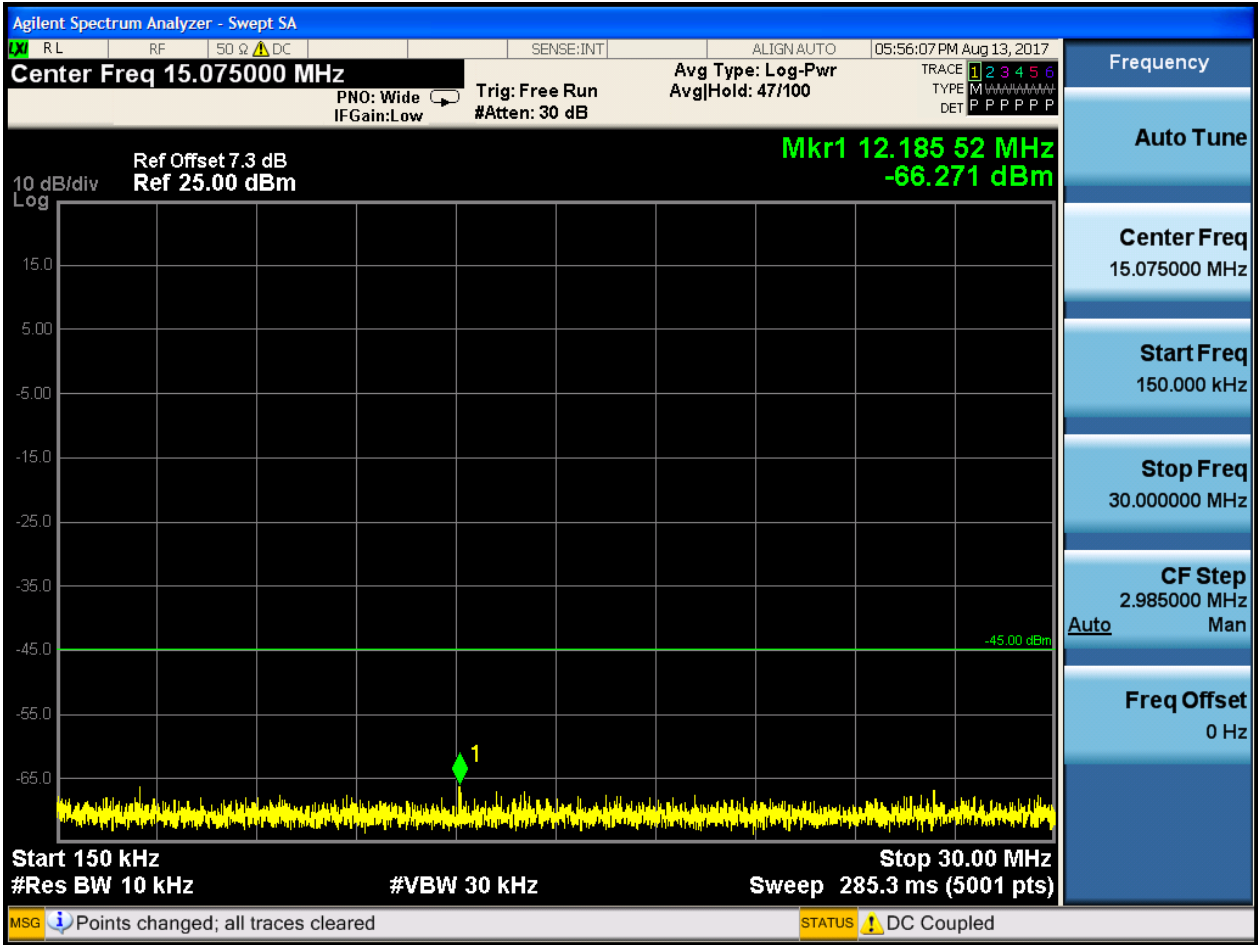
6.1.1.2 Test Mode = LTE/TM2

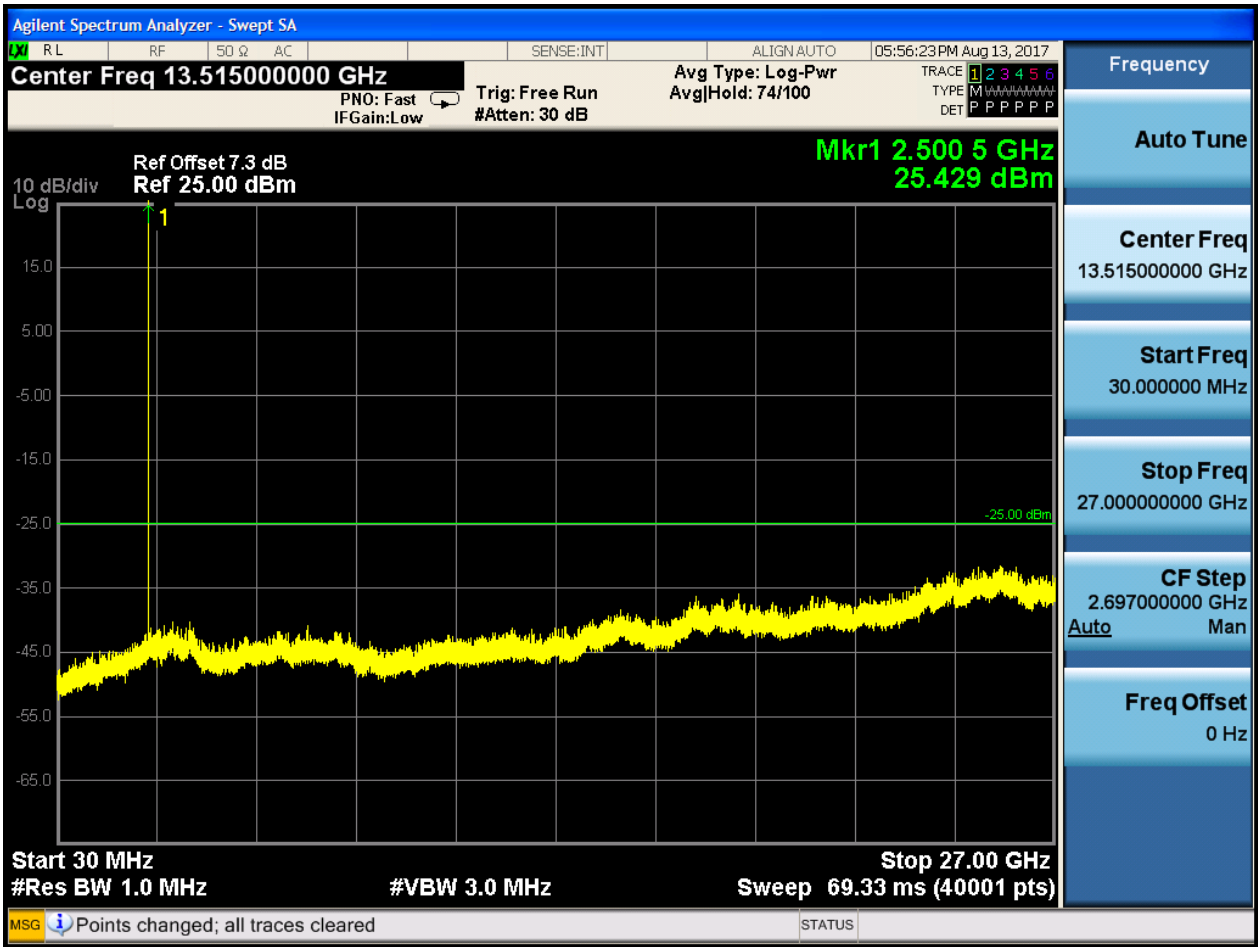
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



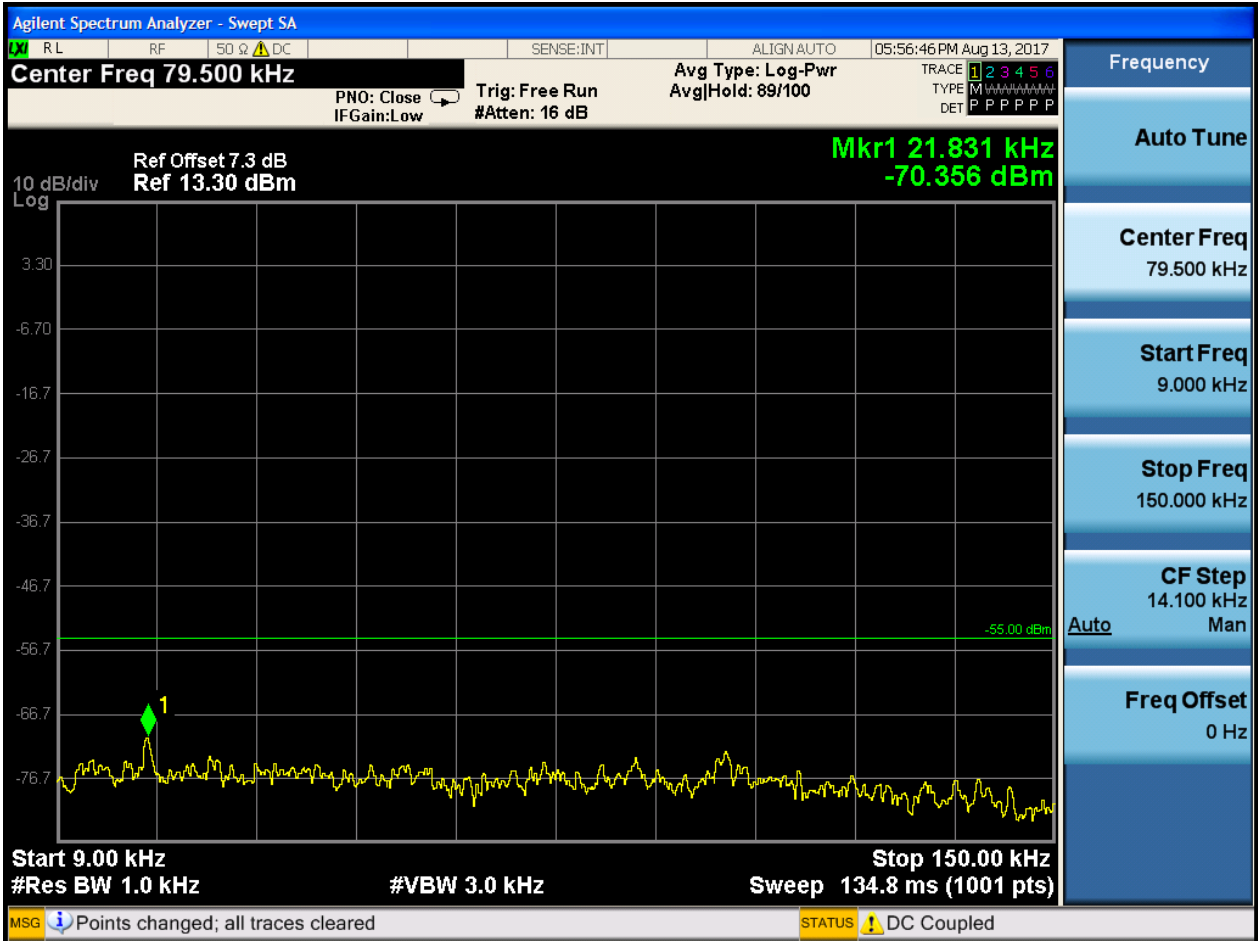




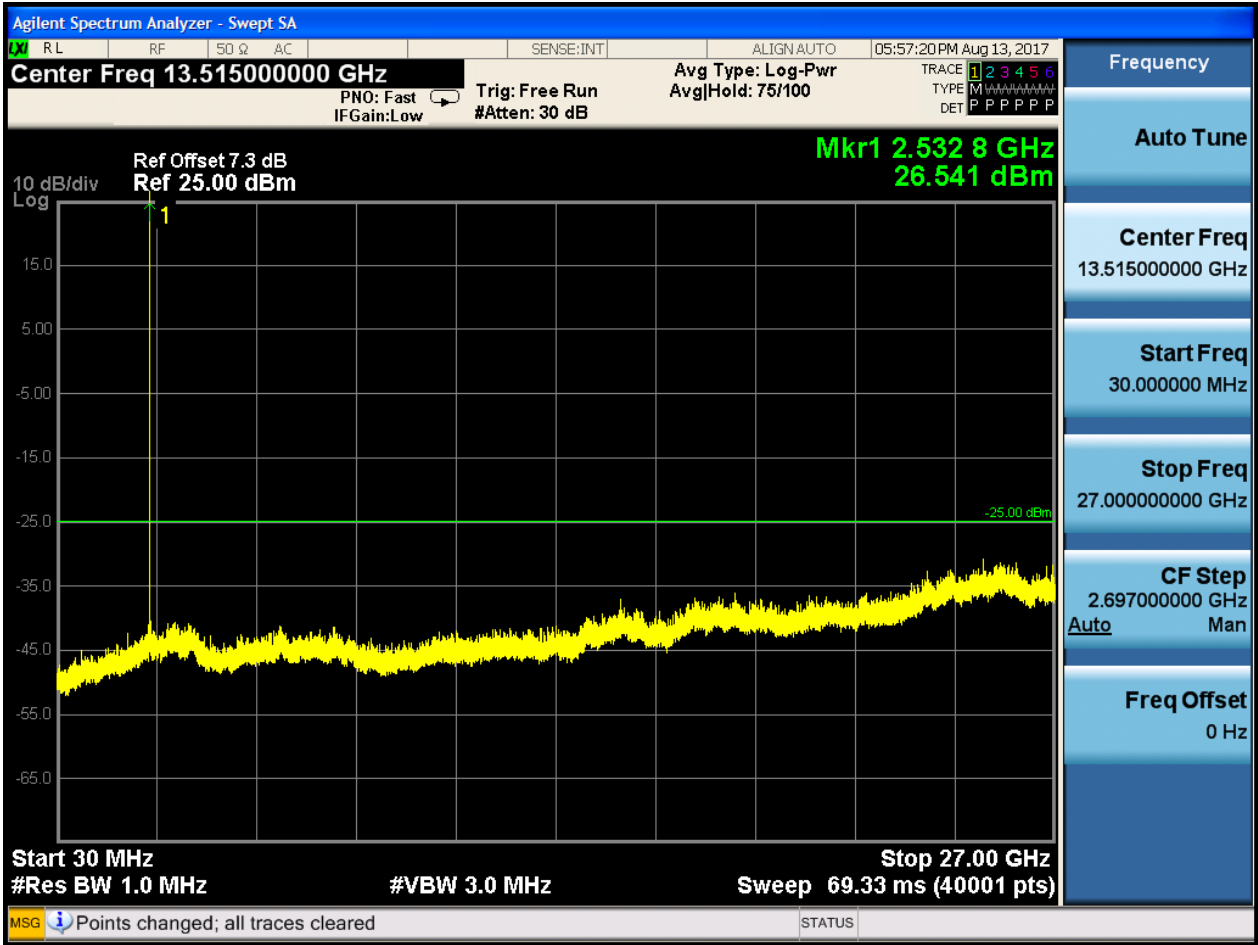


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





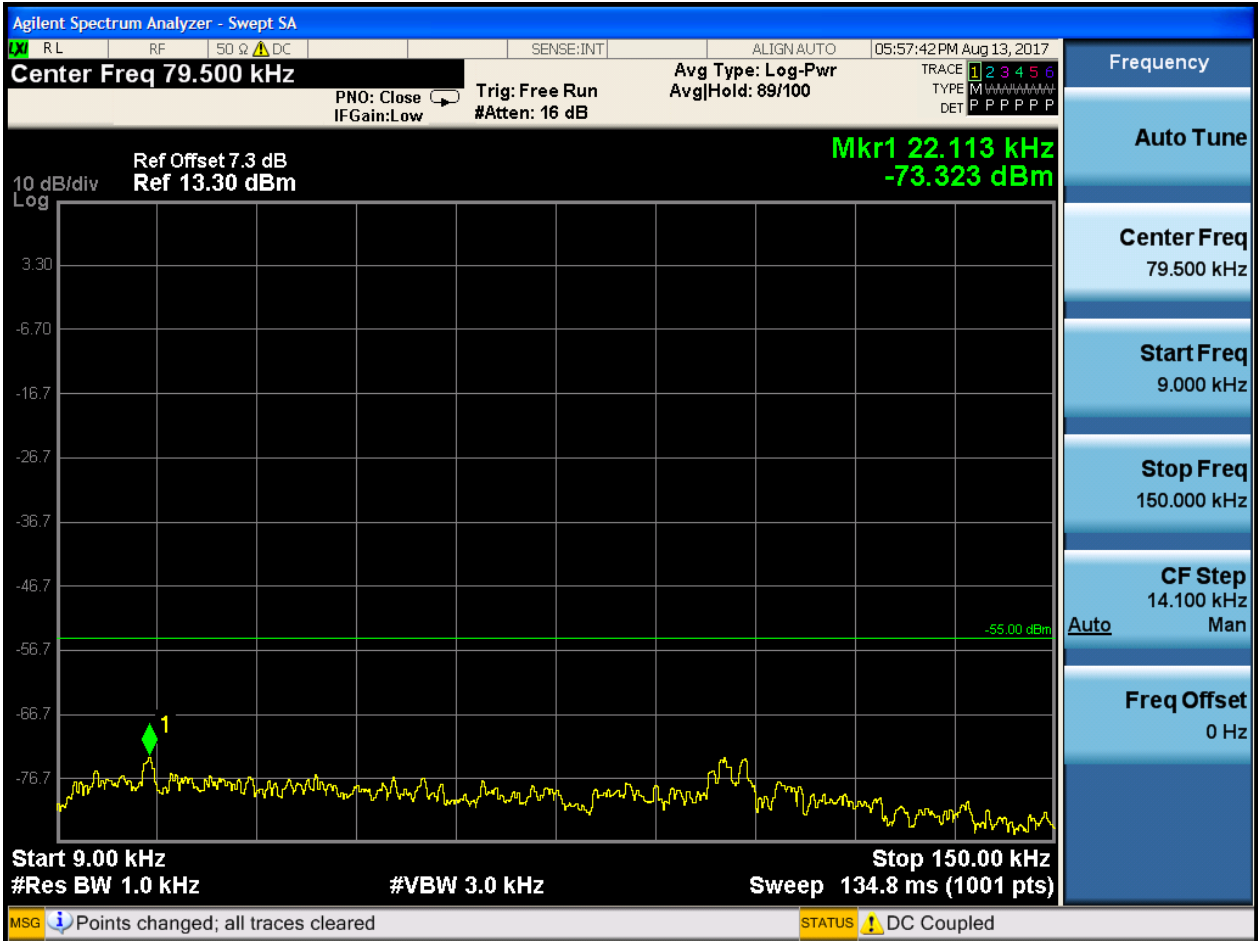


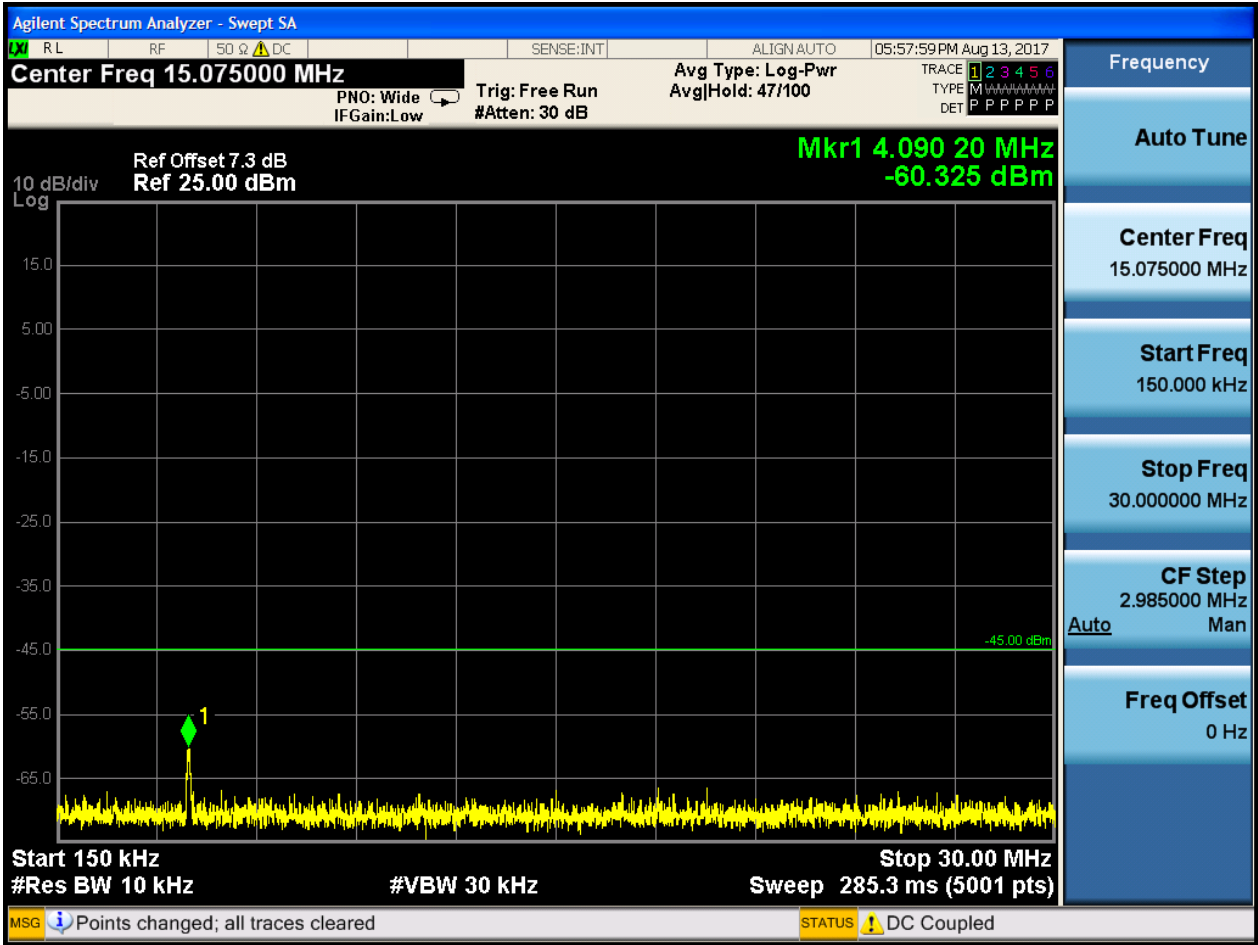


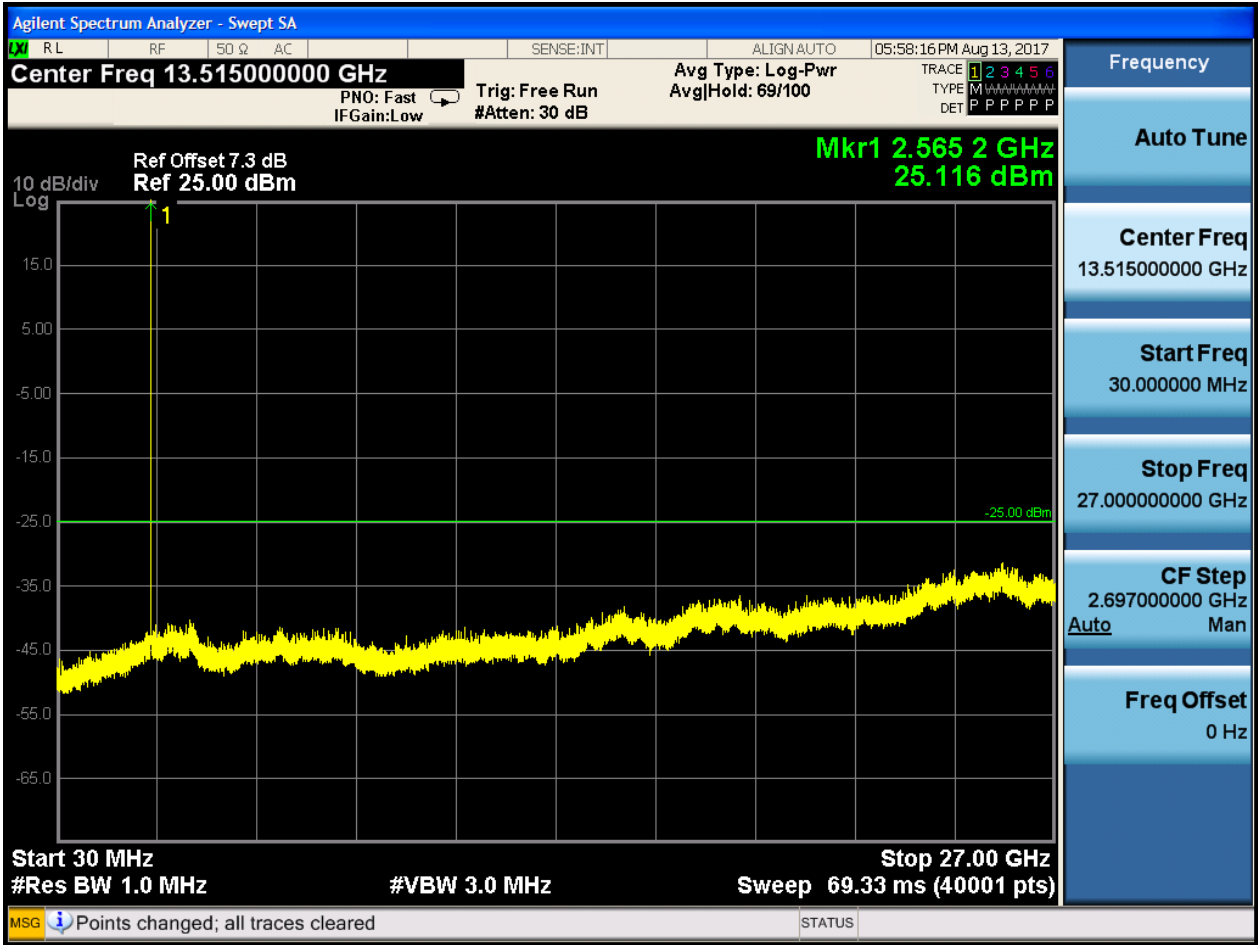


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





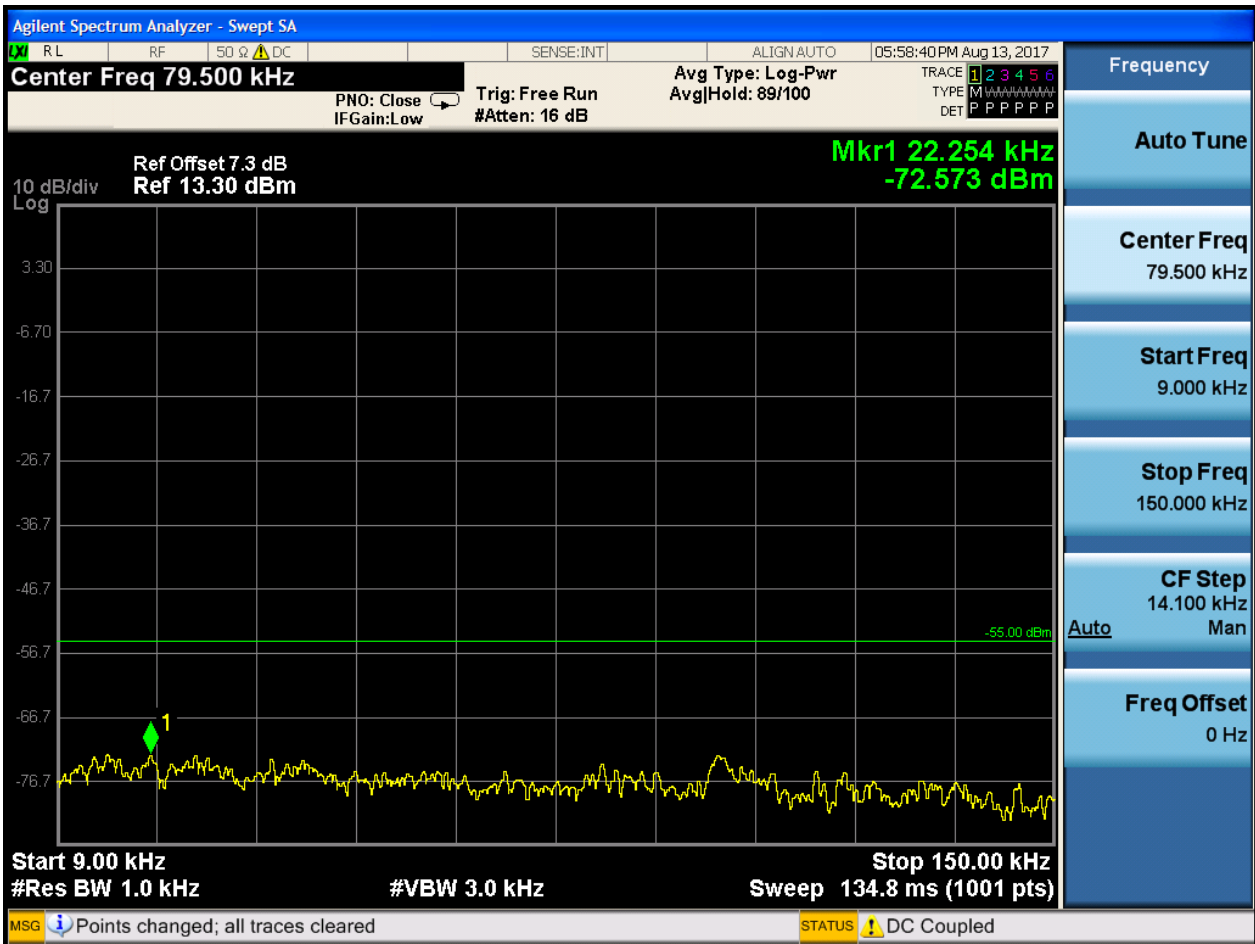




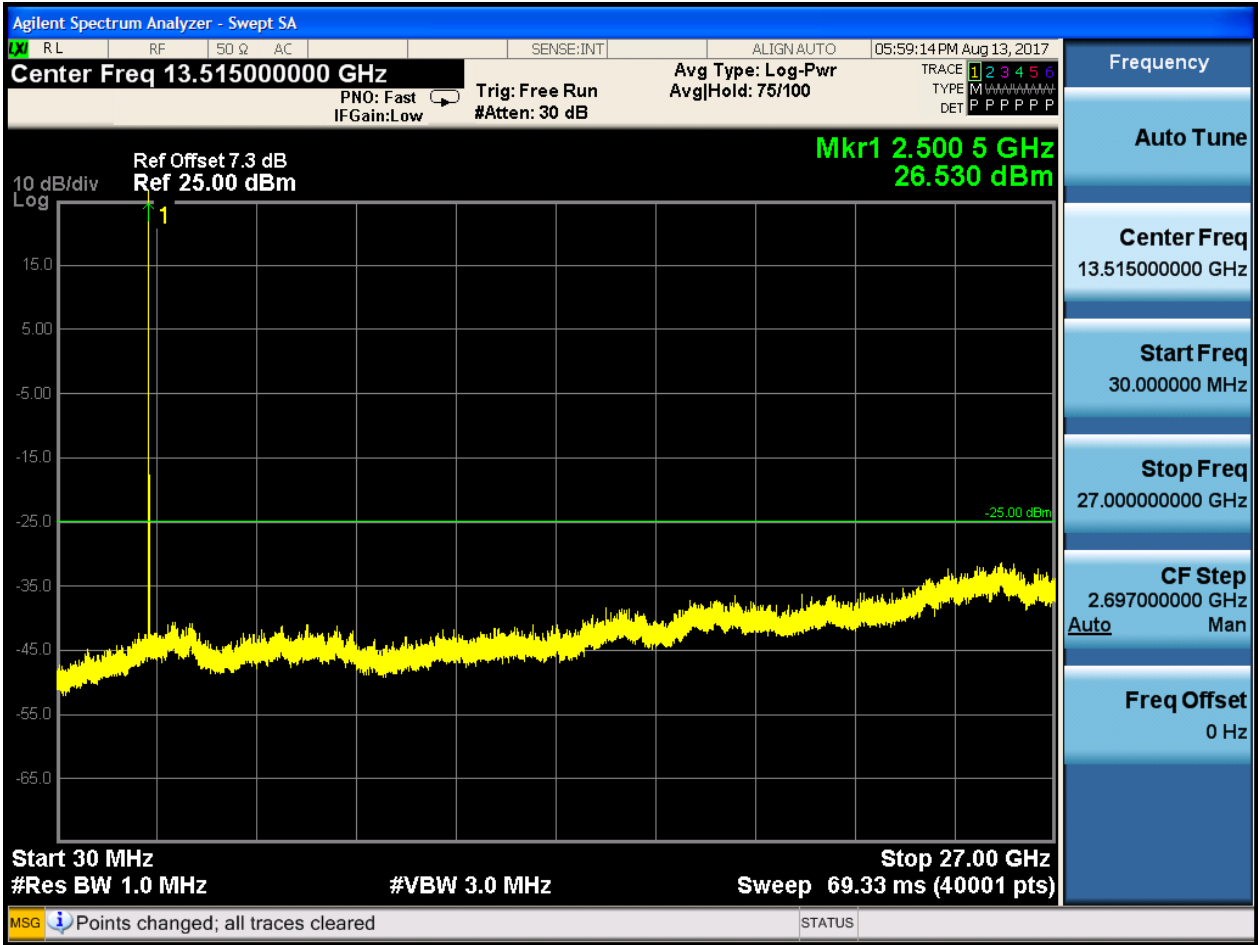
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



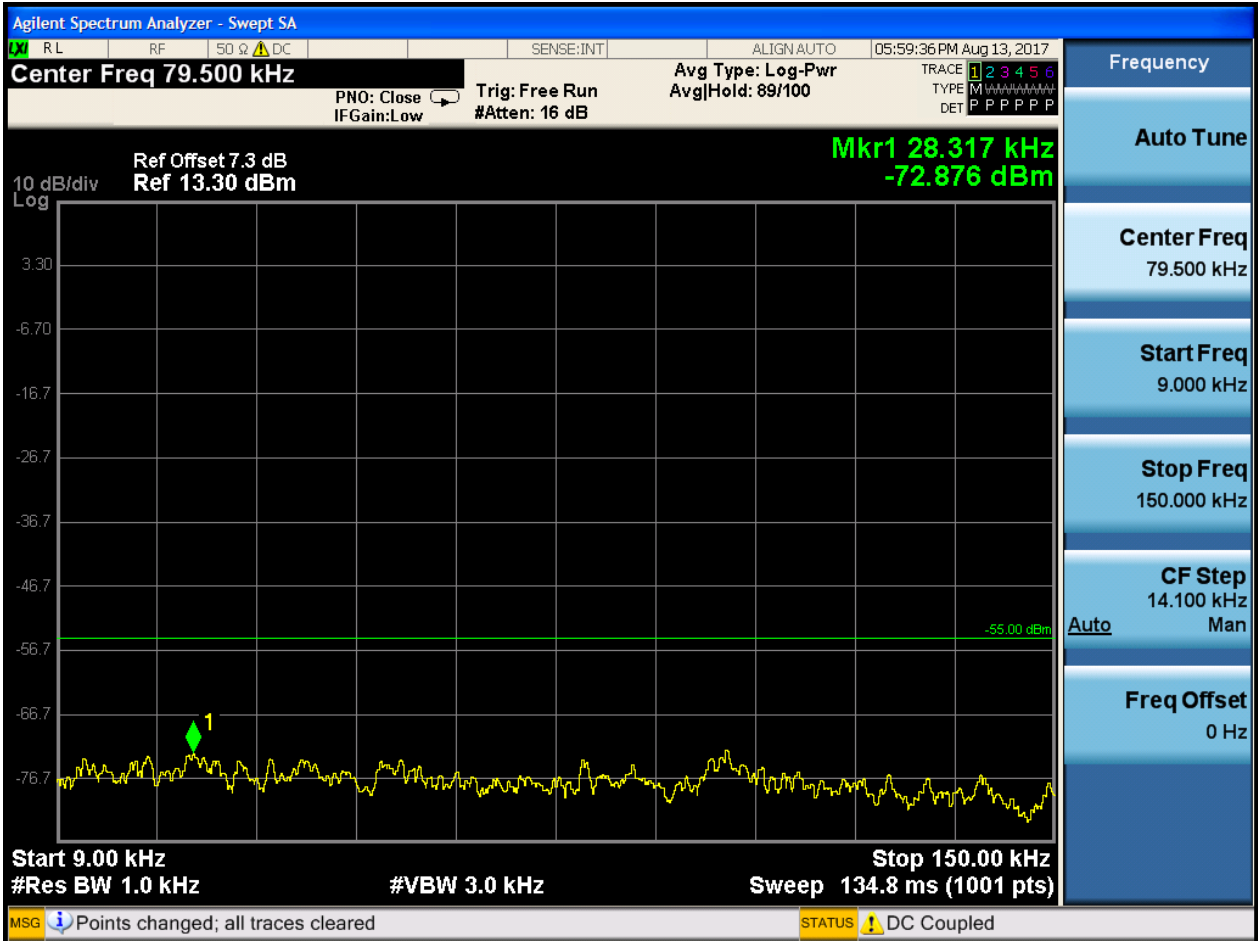


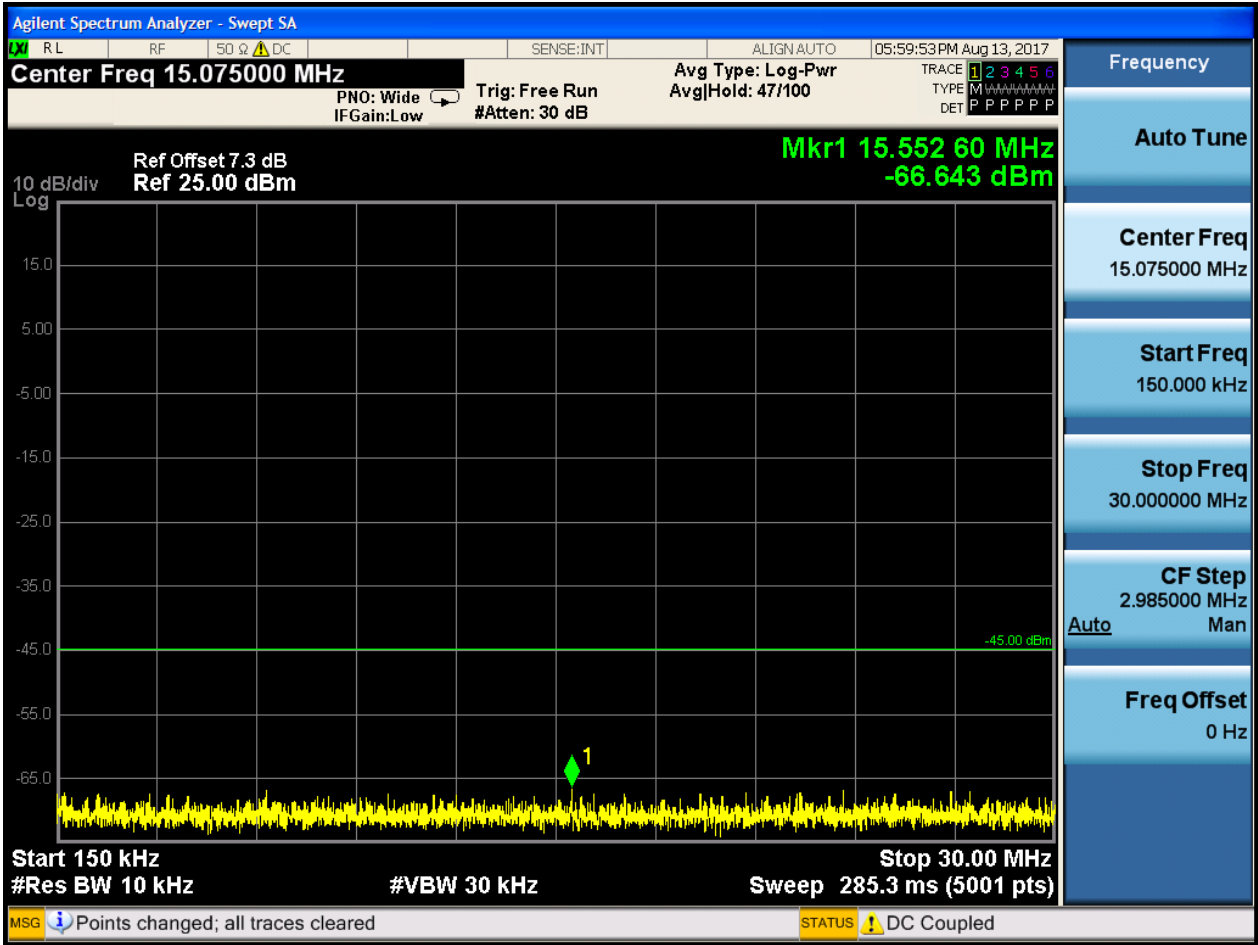




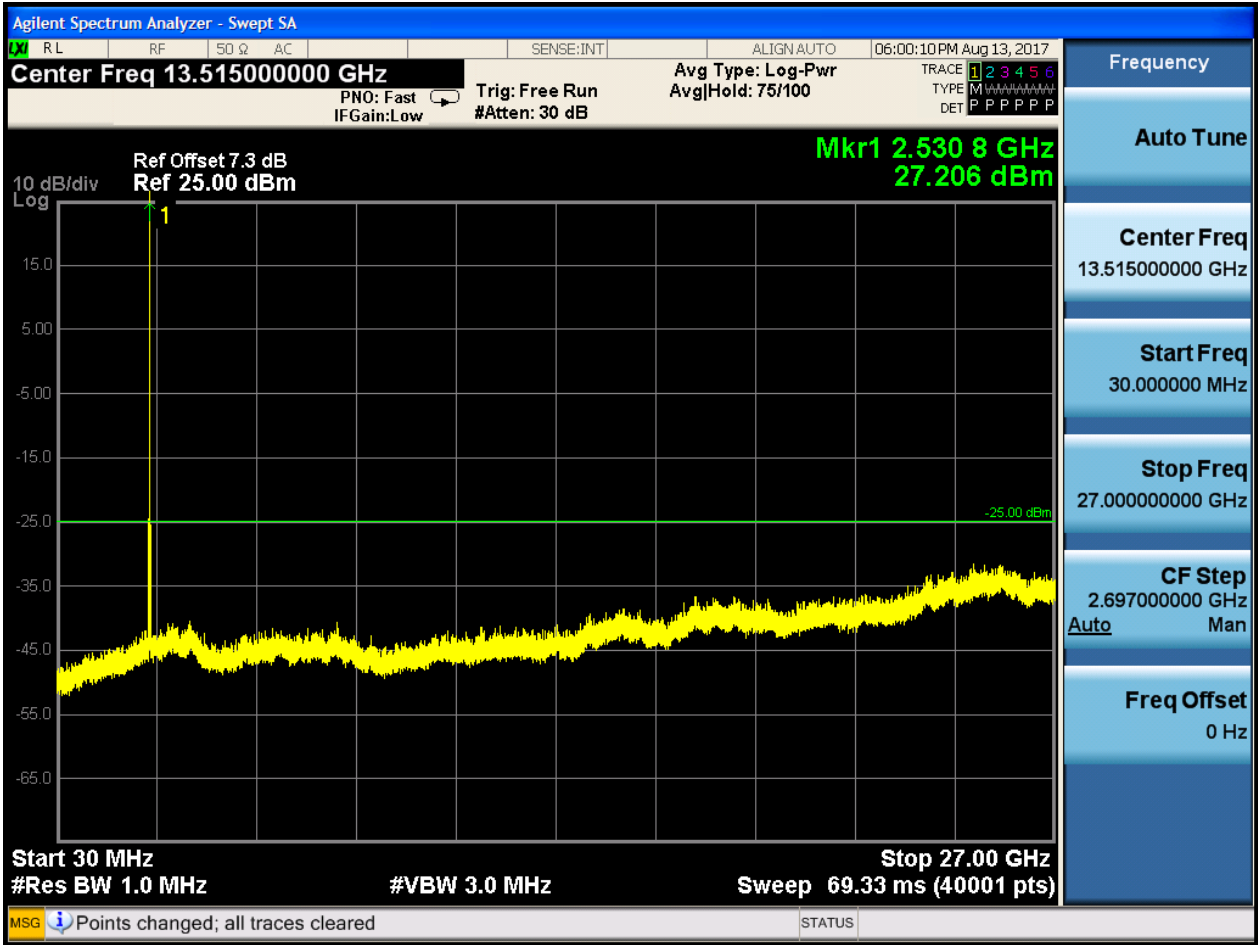
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





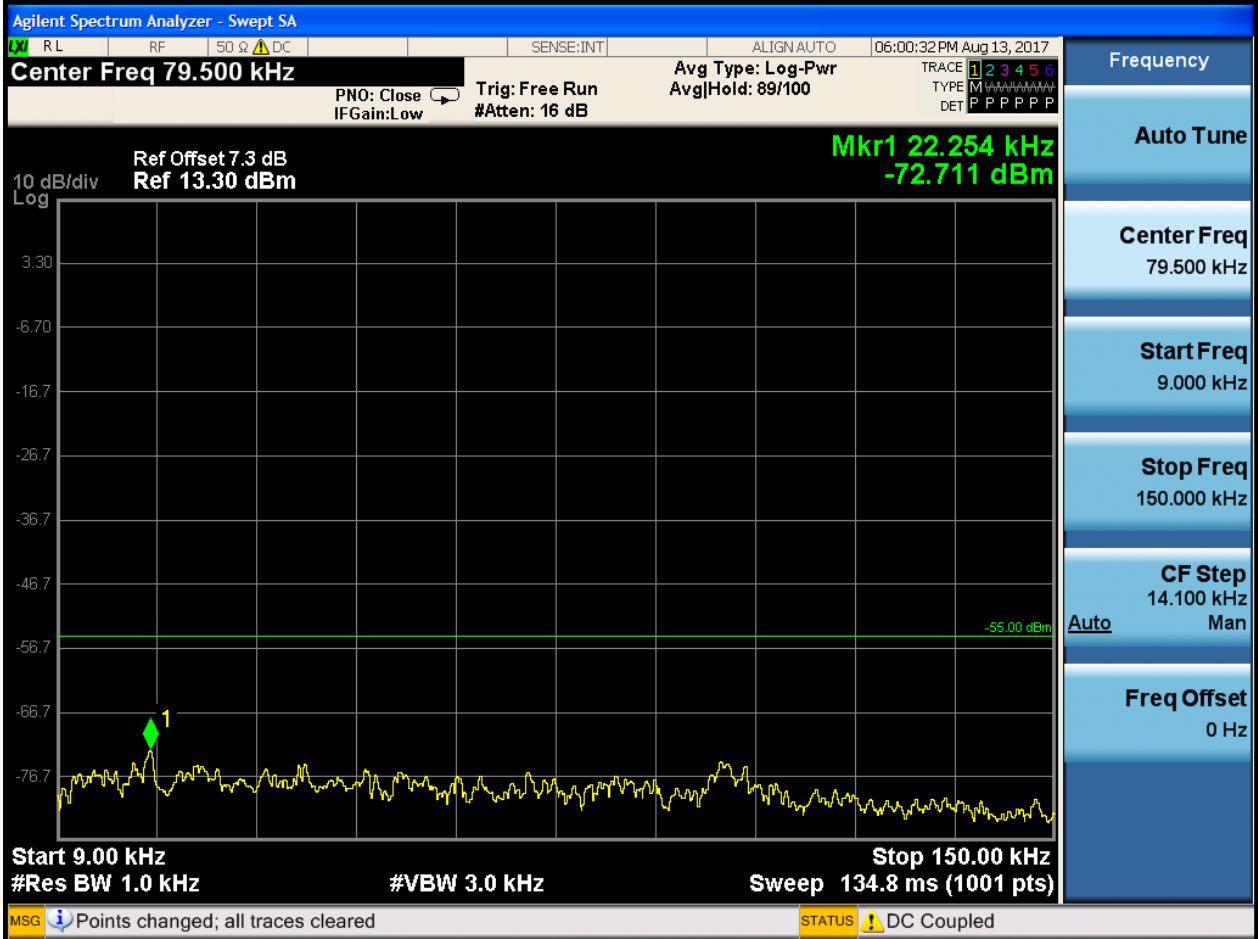






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





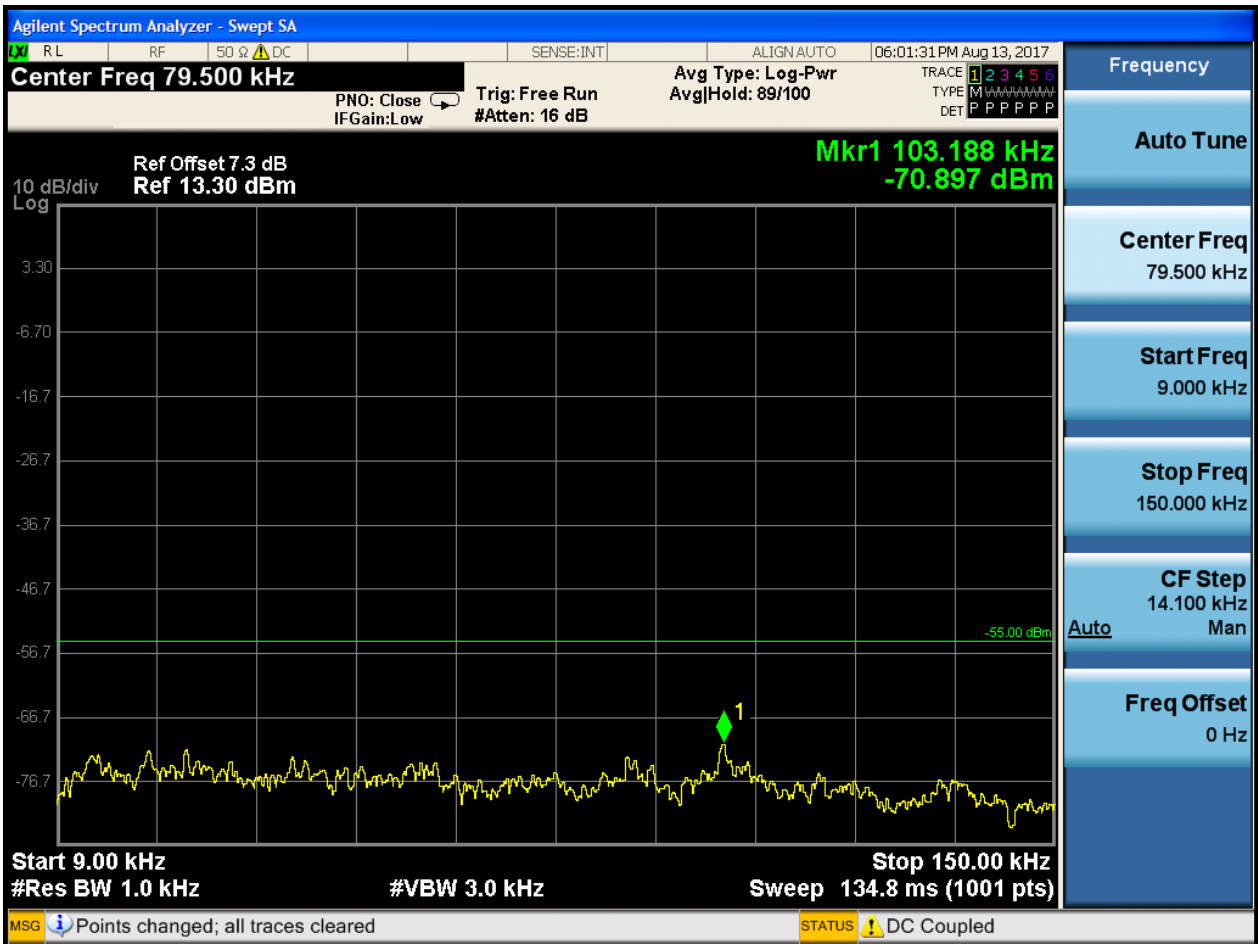




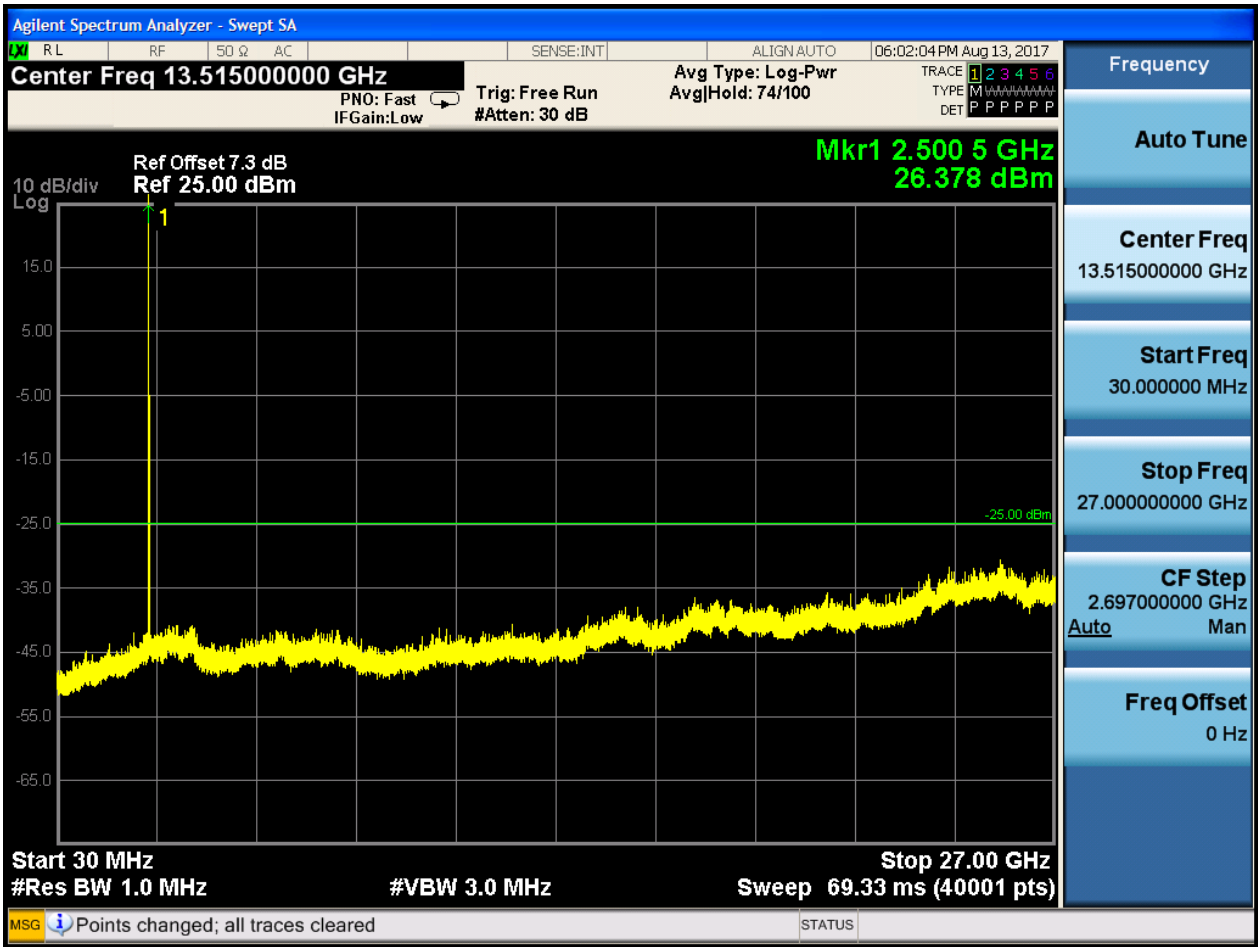
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



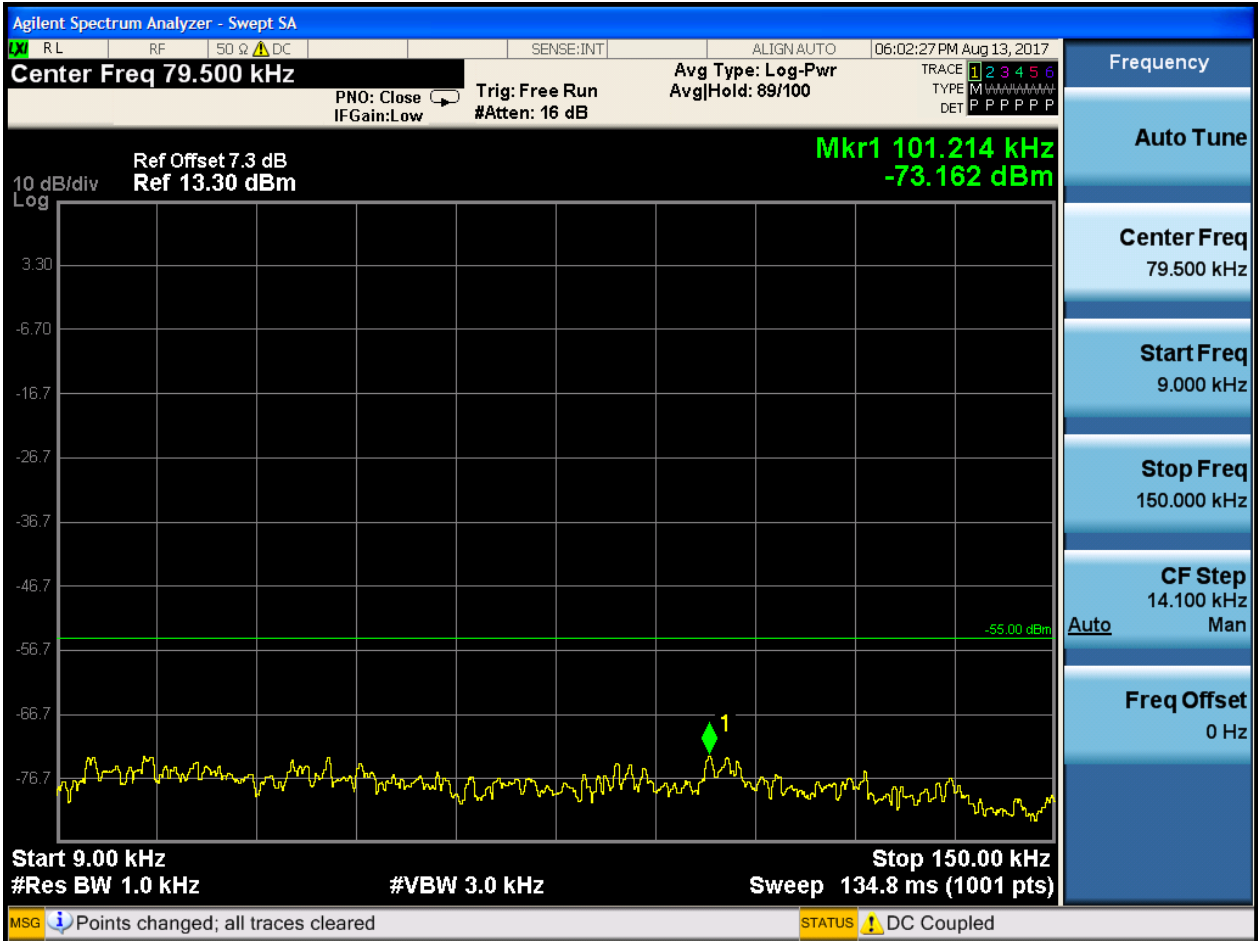




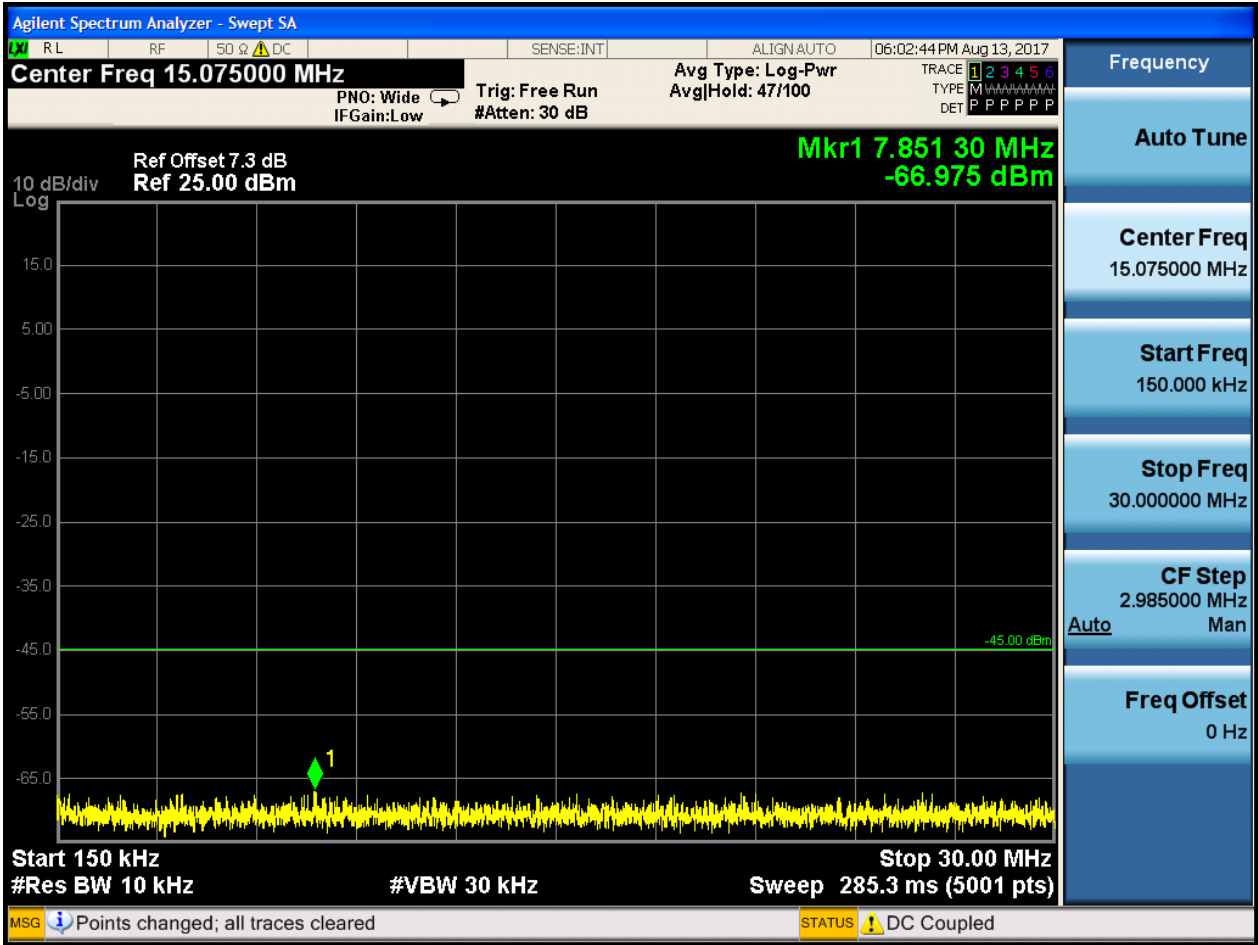


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





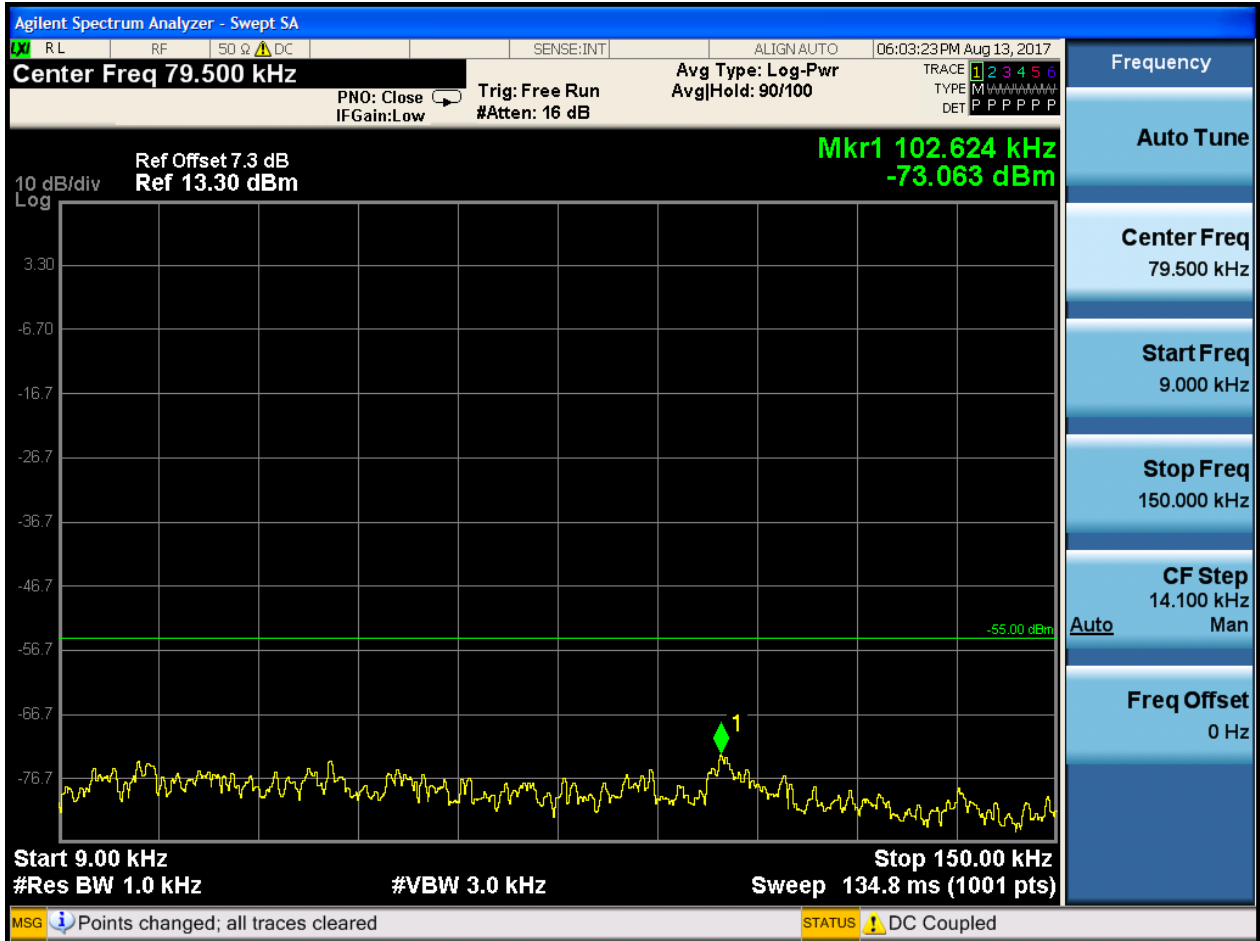






6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





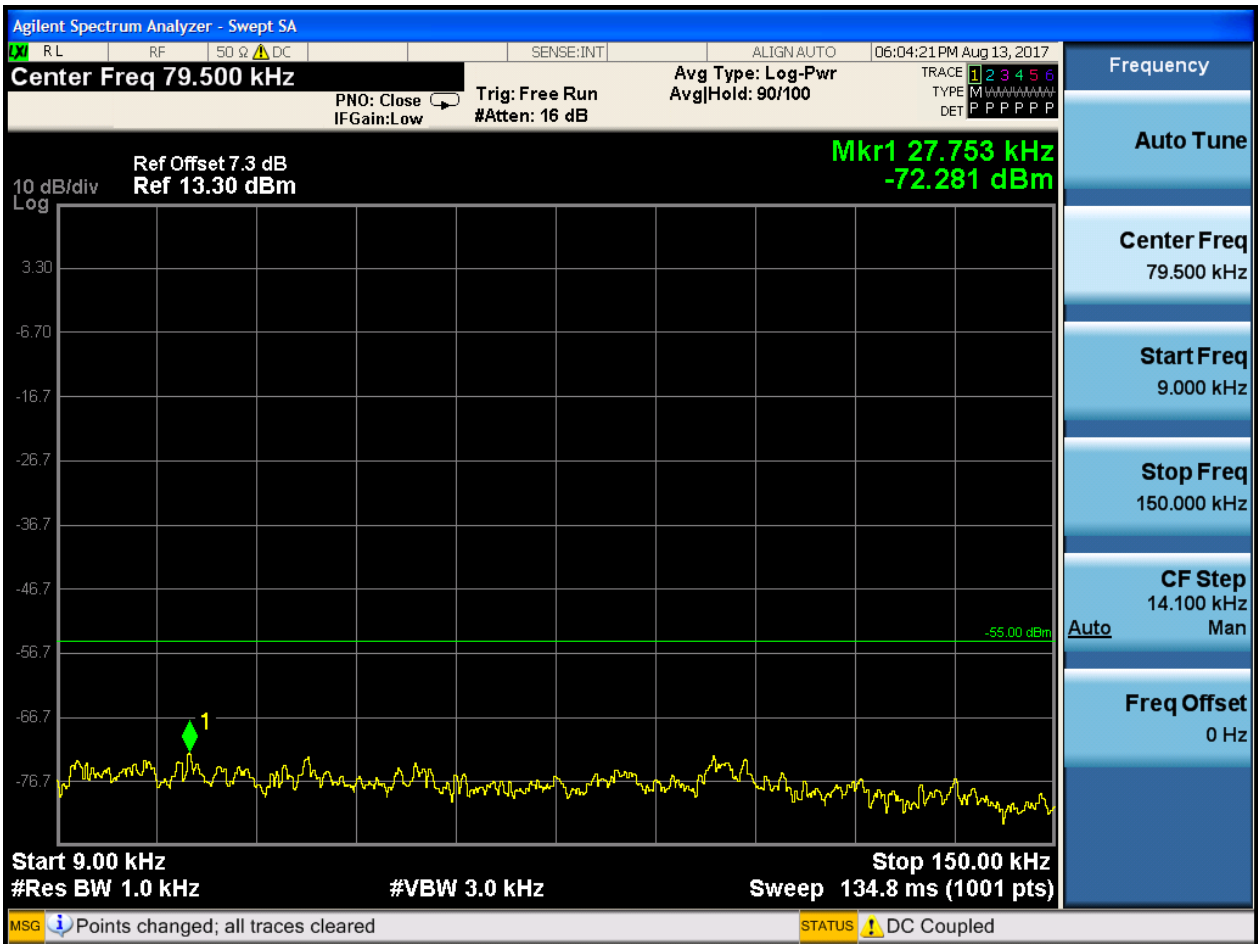




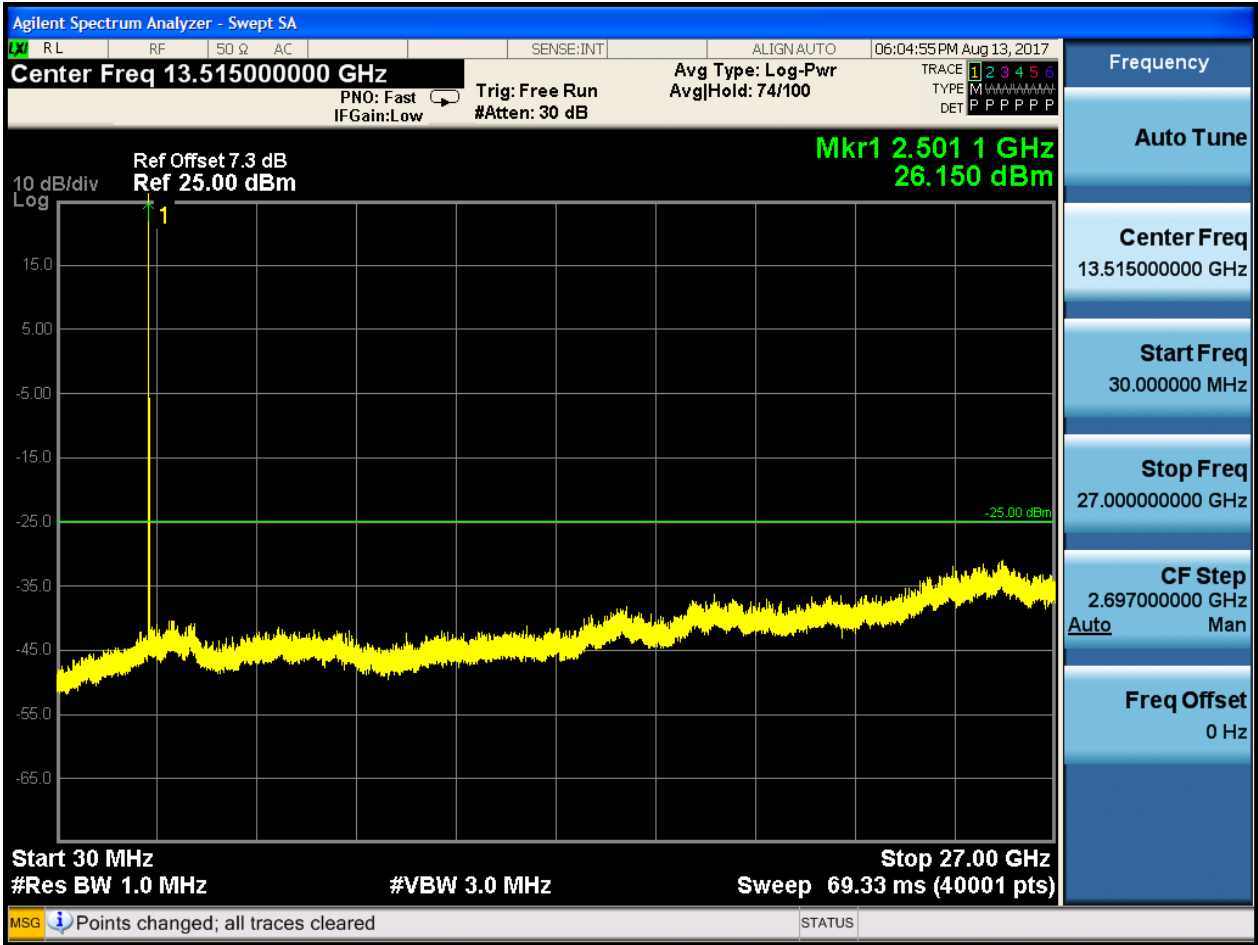
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





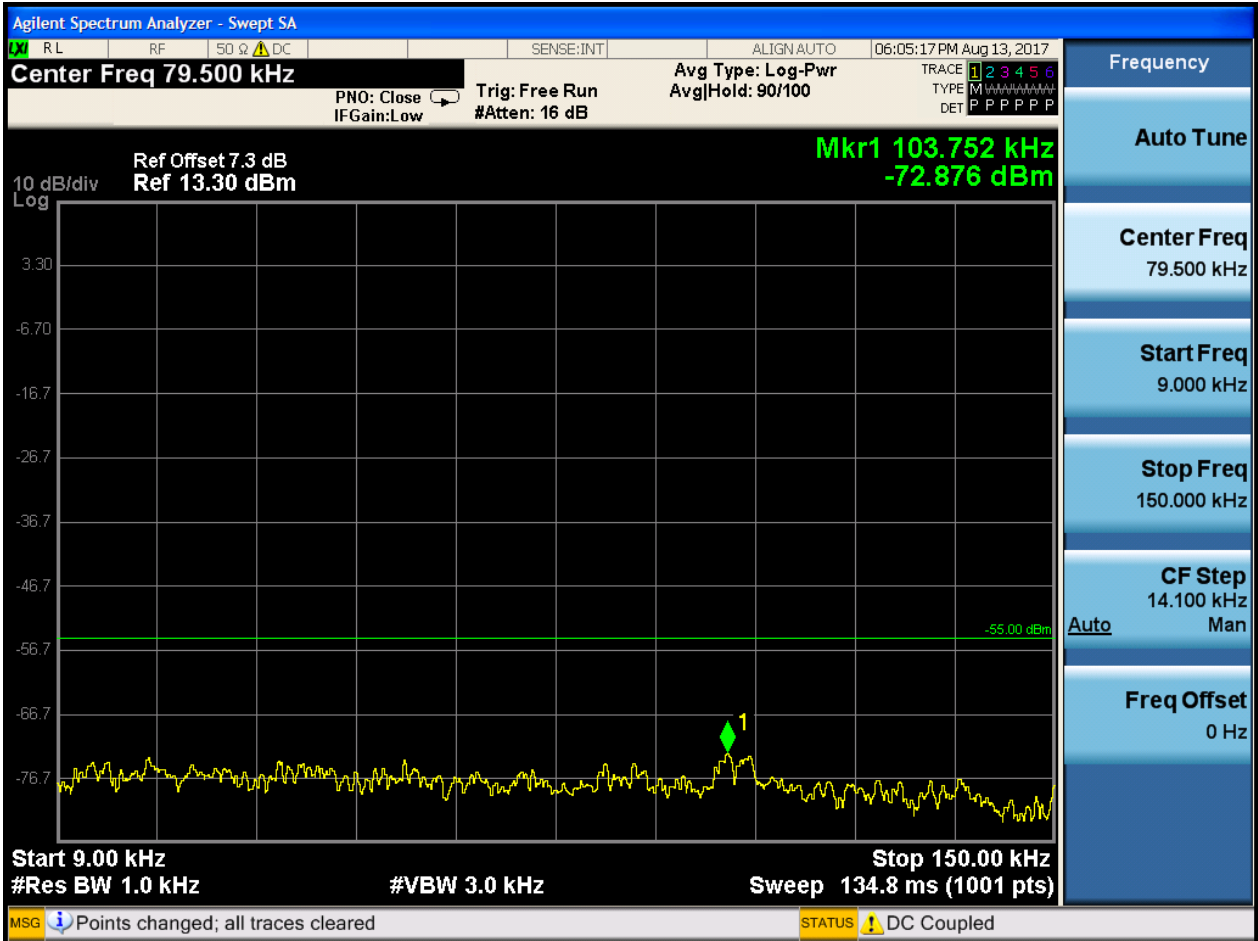


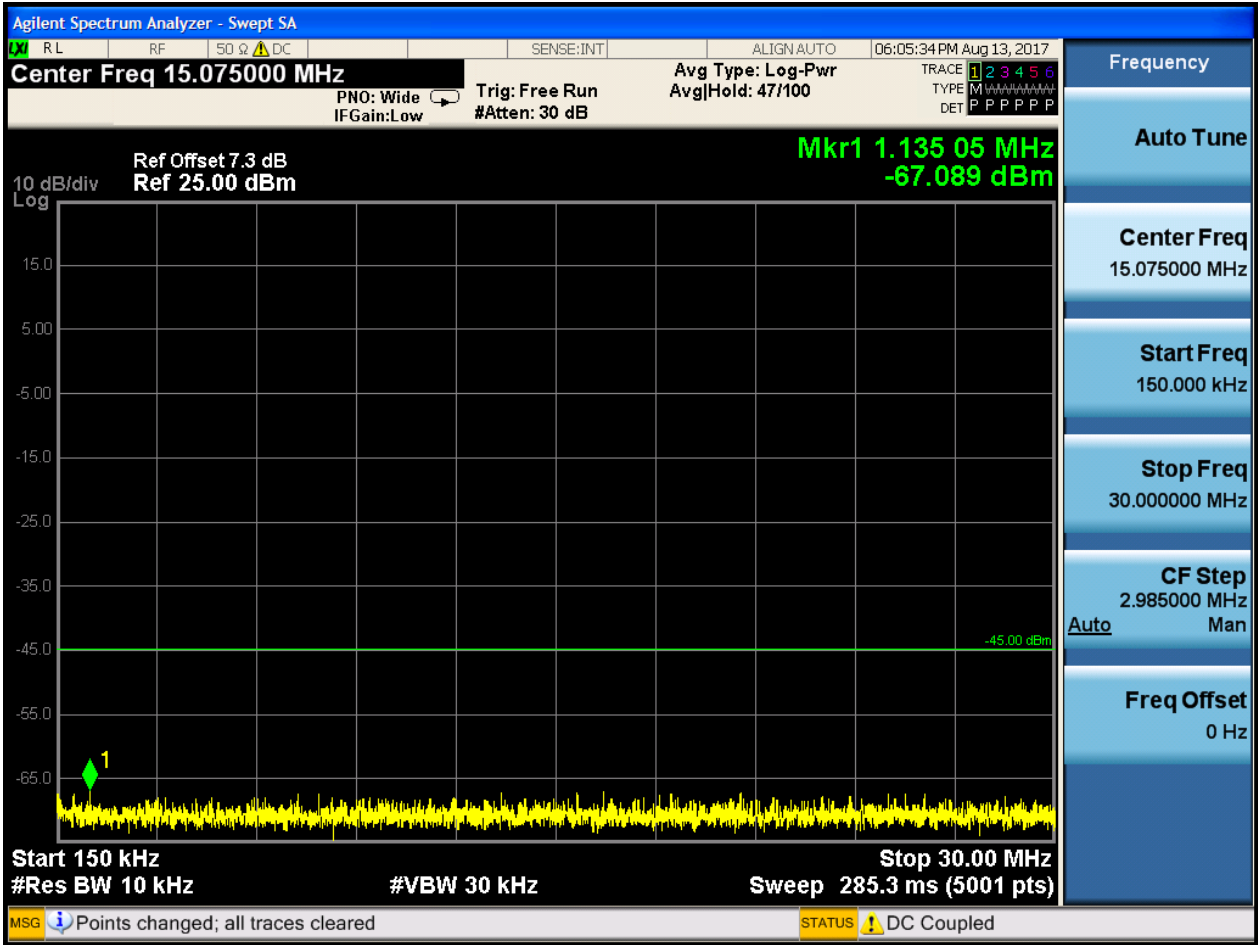




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

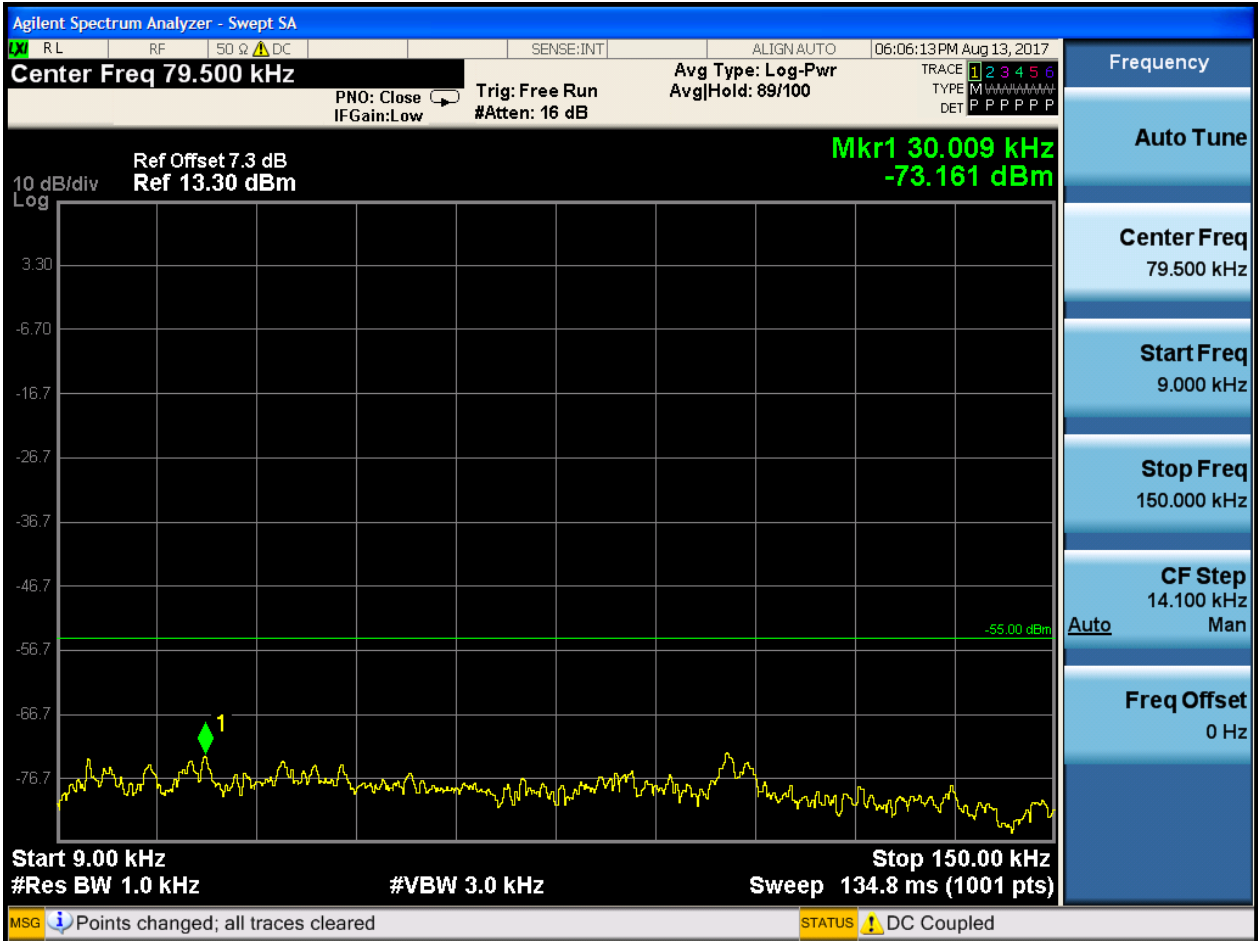


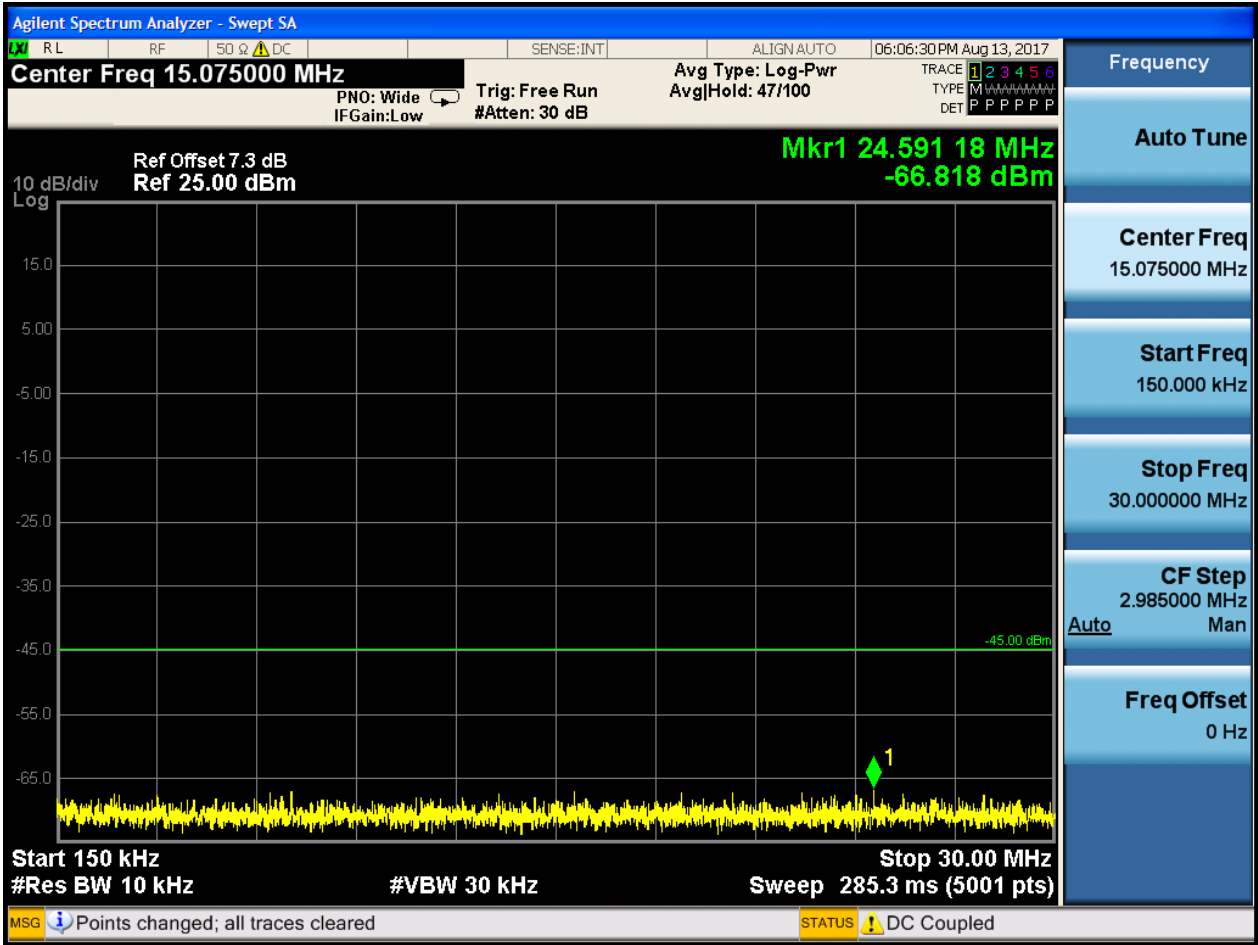


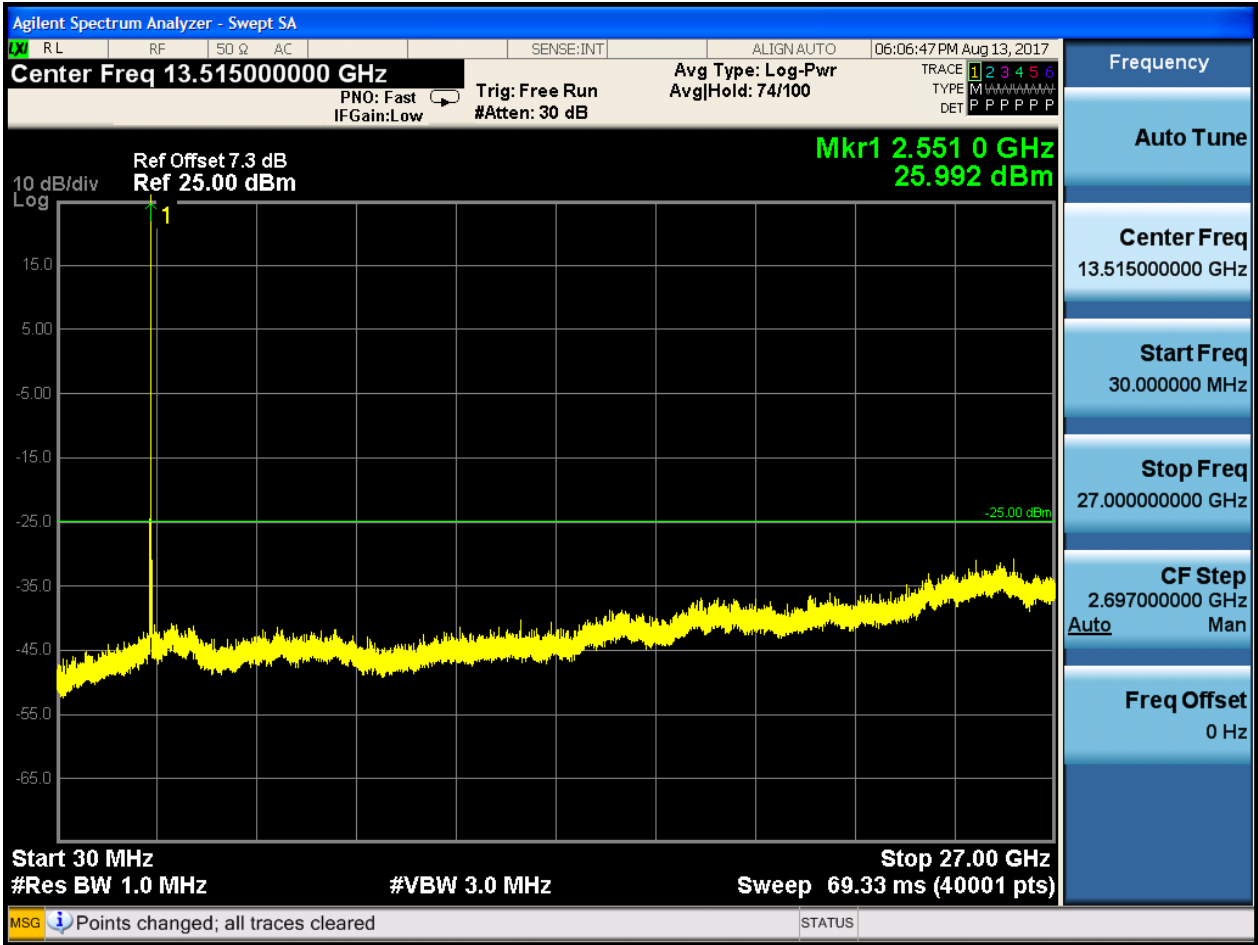


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







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

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

9kHz~150kHz, 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

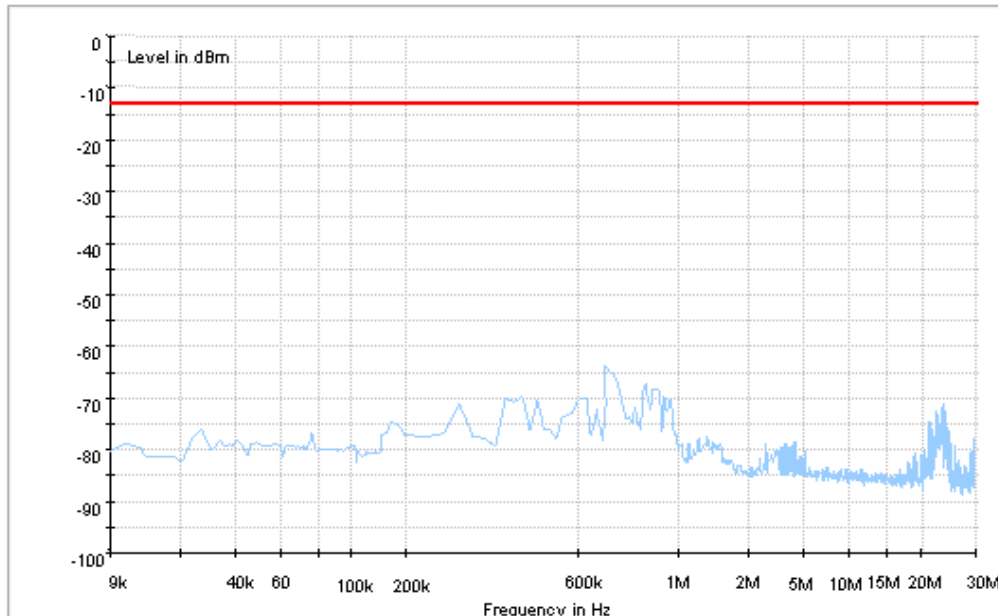
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

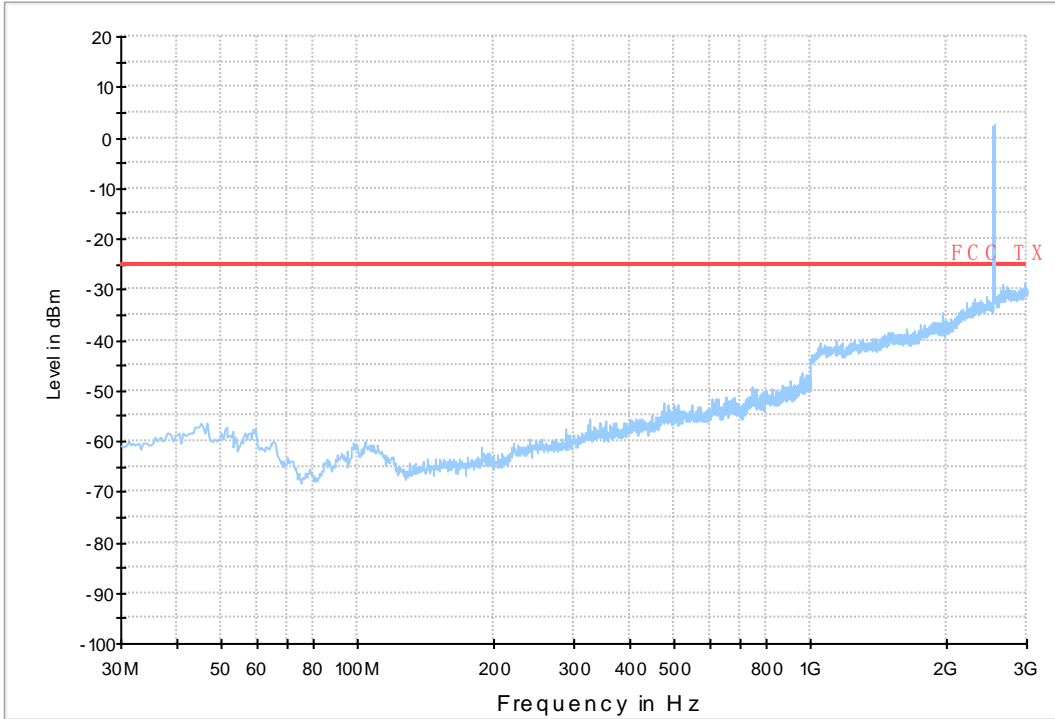
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7\_ANT1

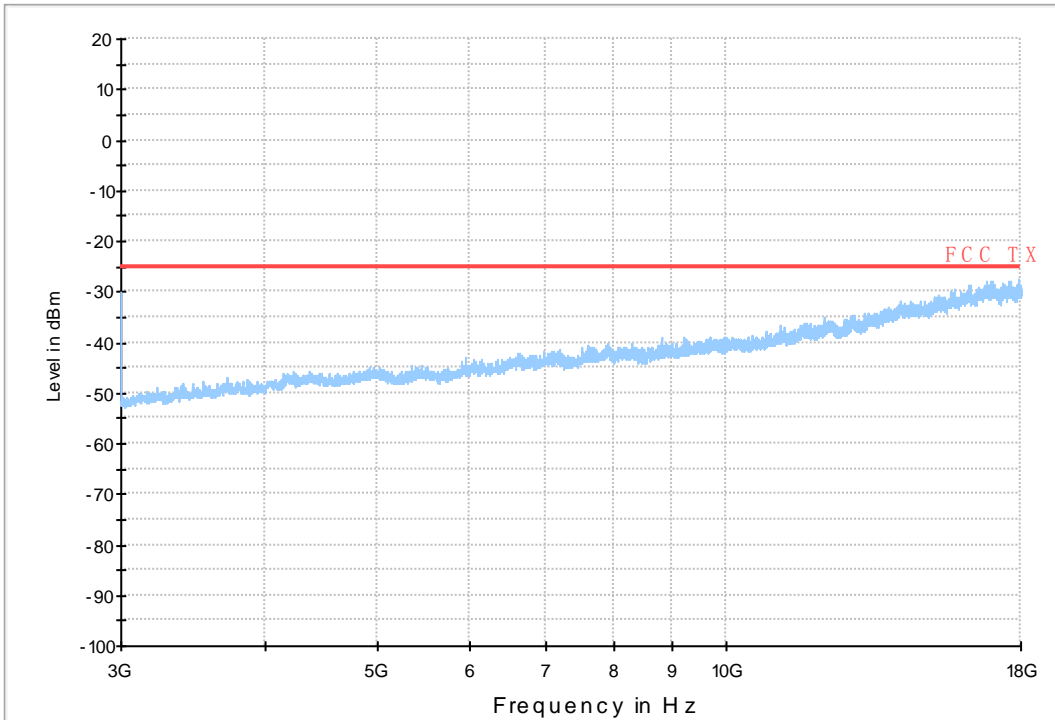
##### 7.1.1.1 Test Bandwidth = 5



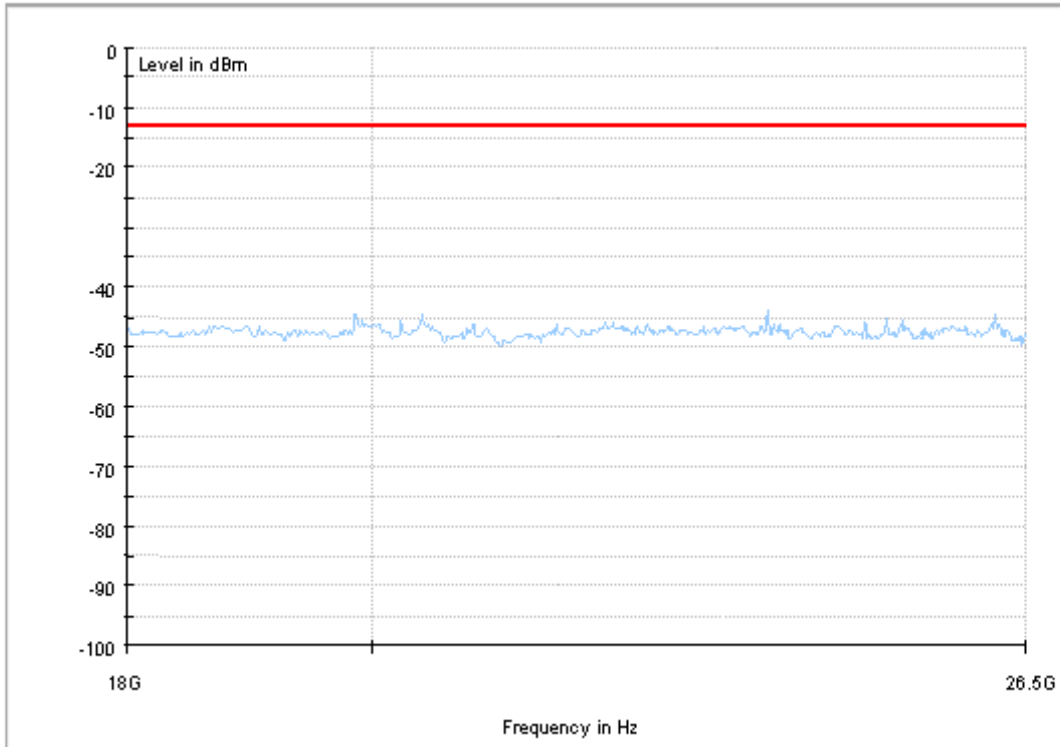
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



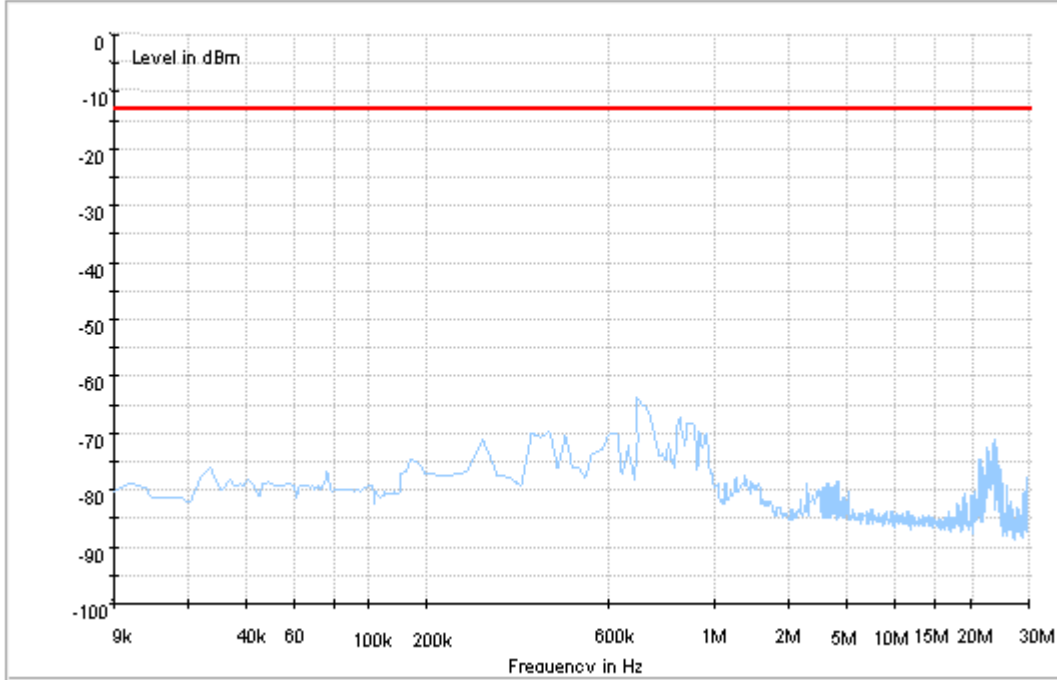
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



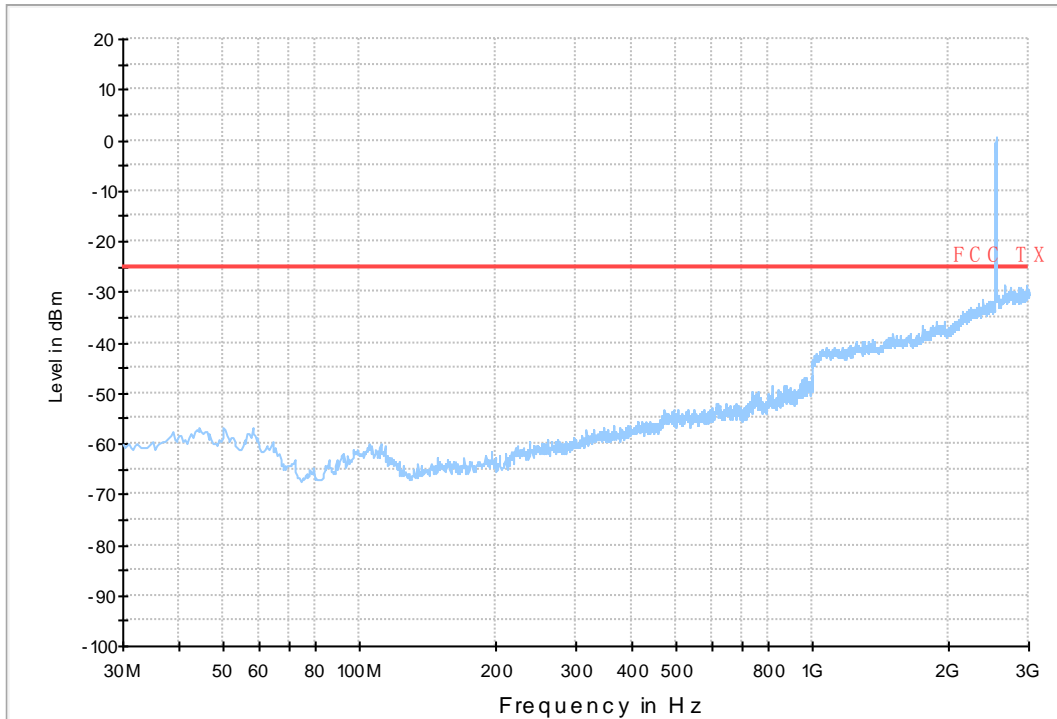




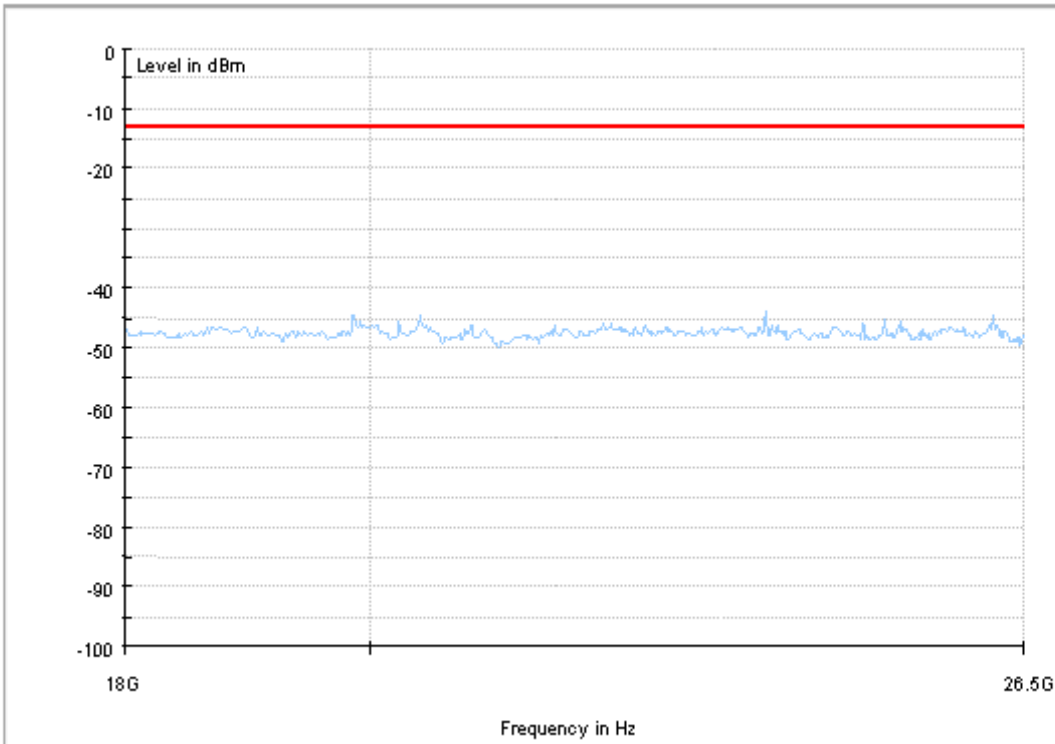
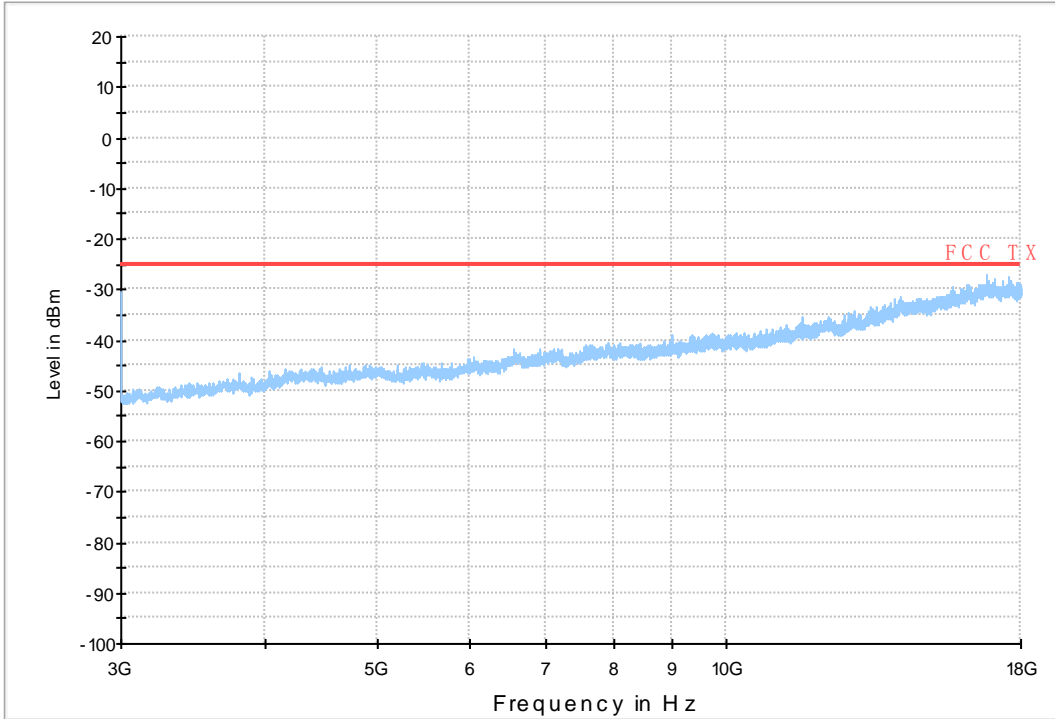
### 7.1.1.2 Test Bandwidth = 20



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

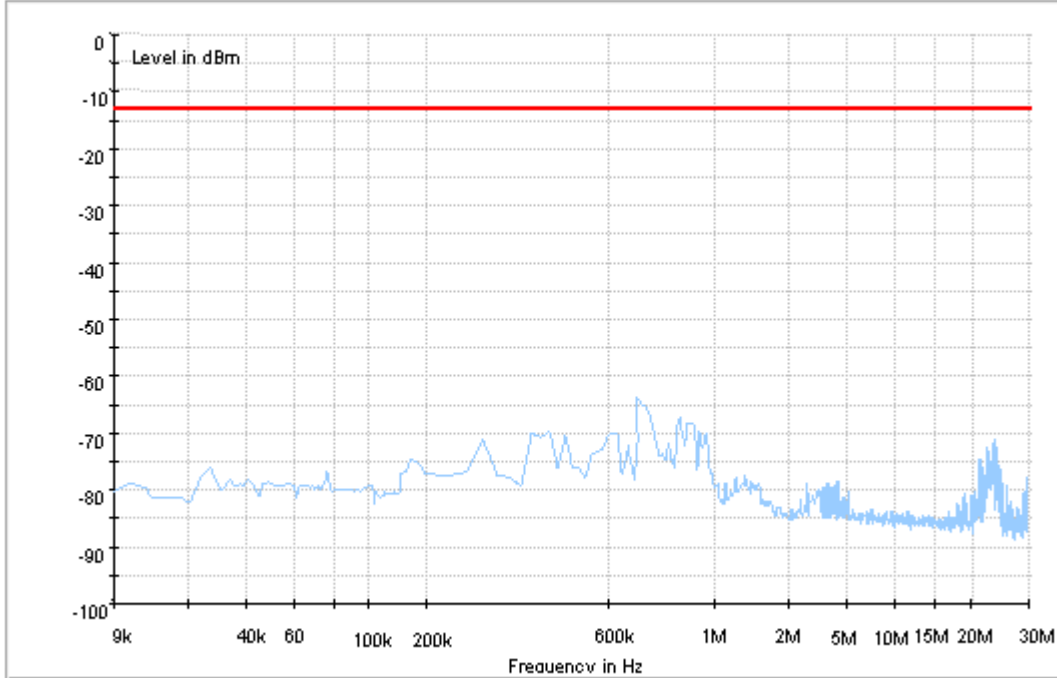


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H

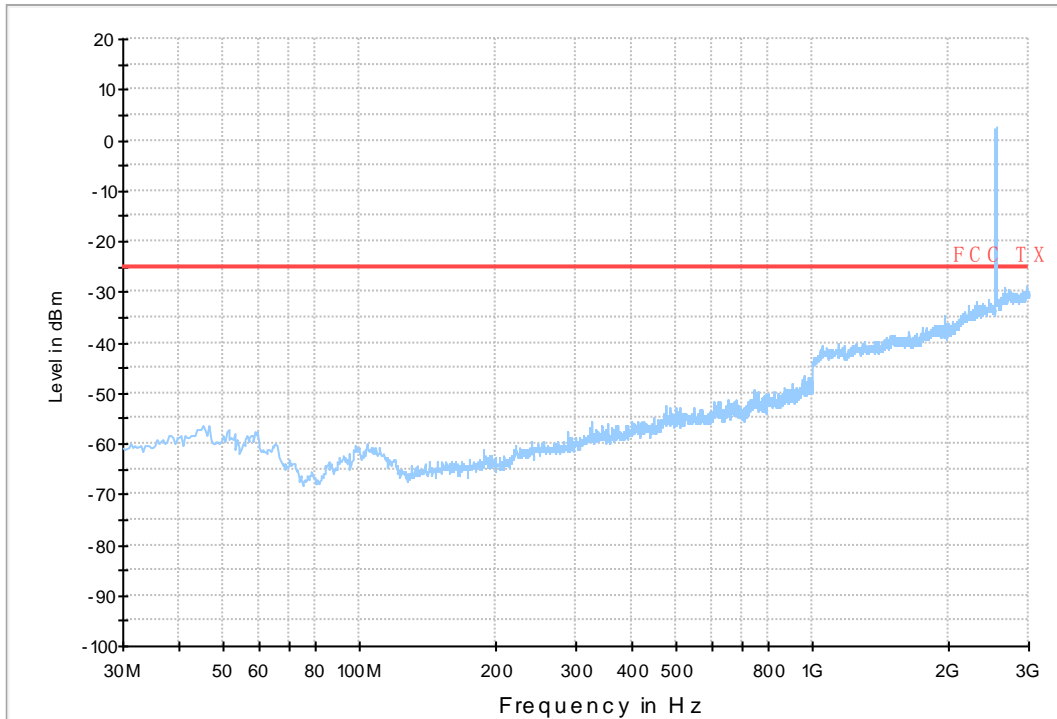


7.2.1 Test Band = BAND7\_ANT2

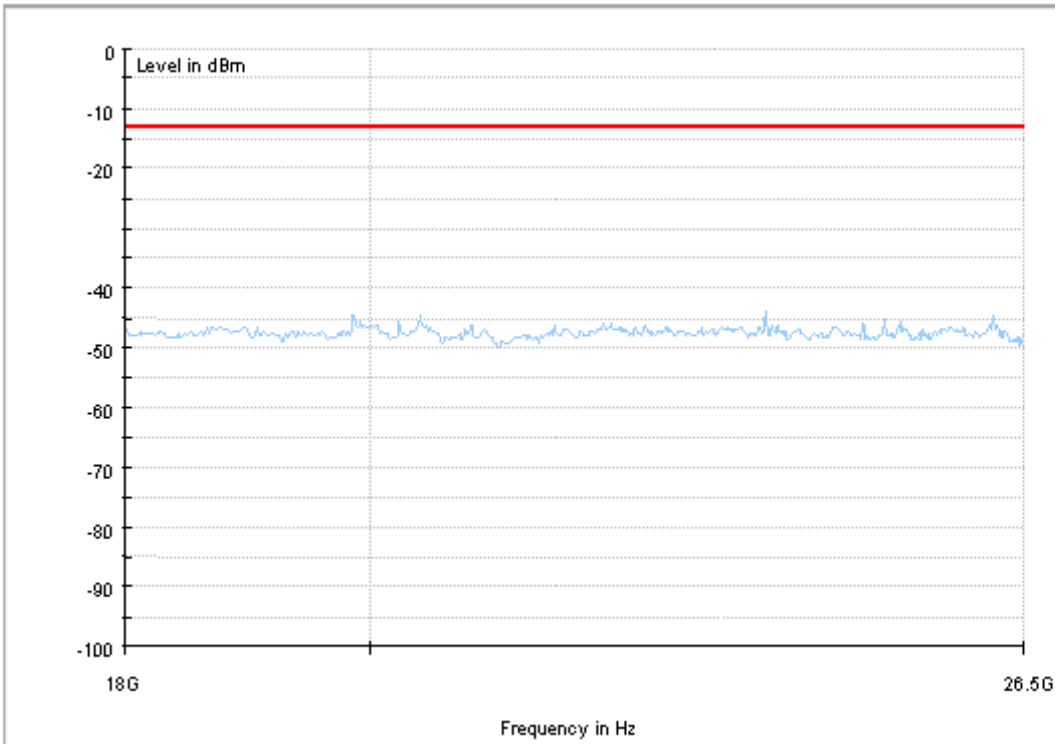
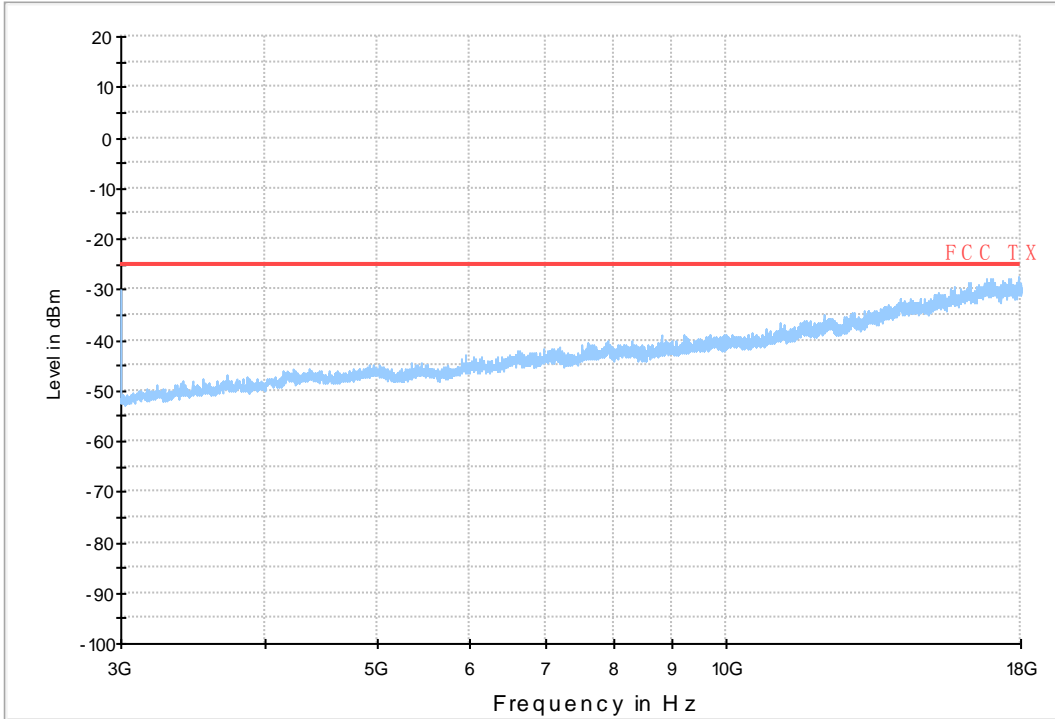
7.2.1.1 Test Bandwidth = 5



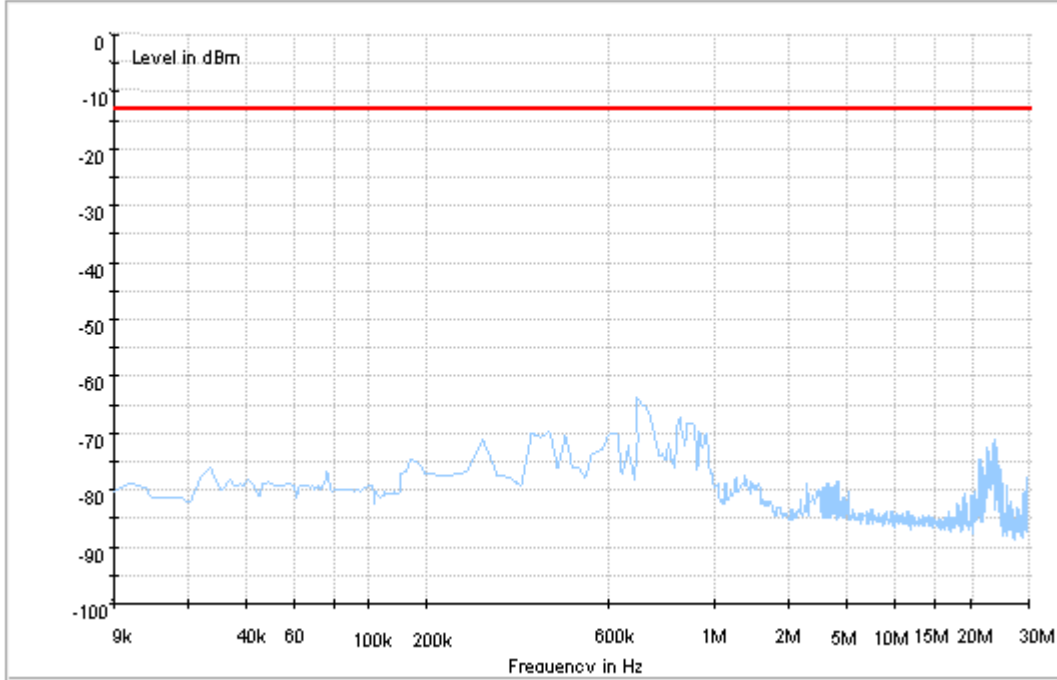
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



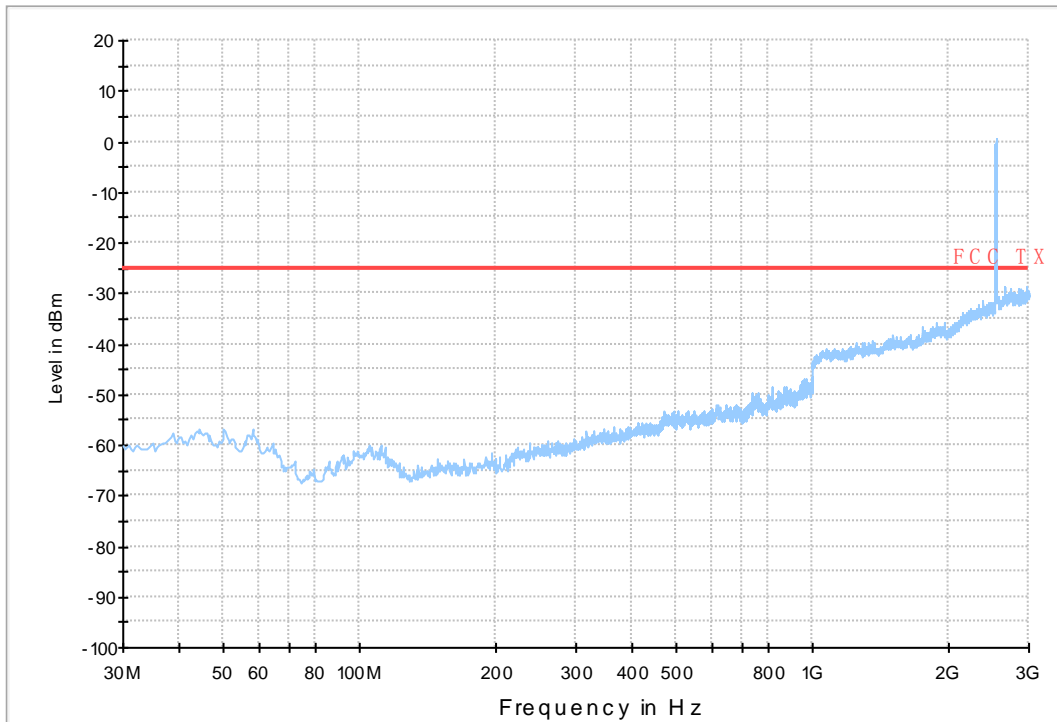
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



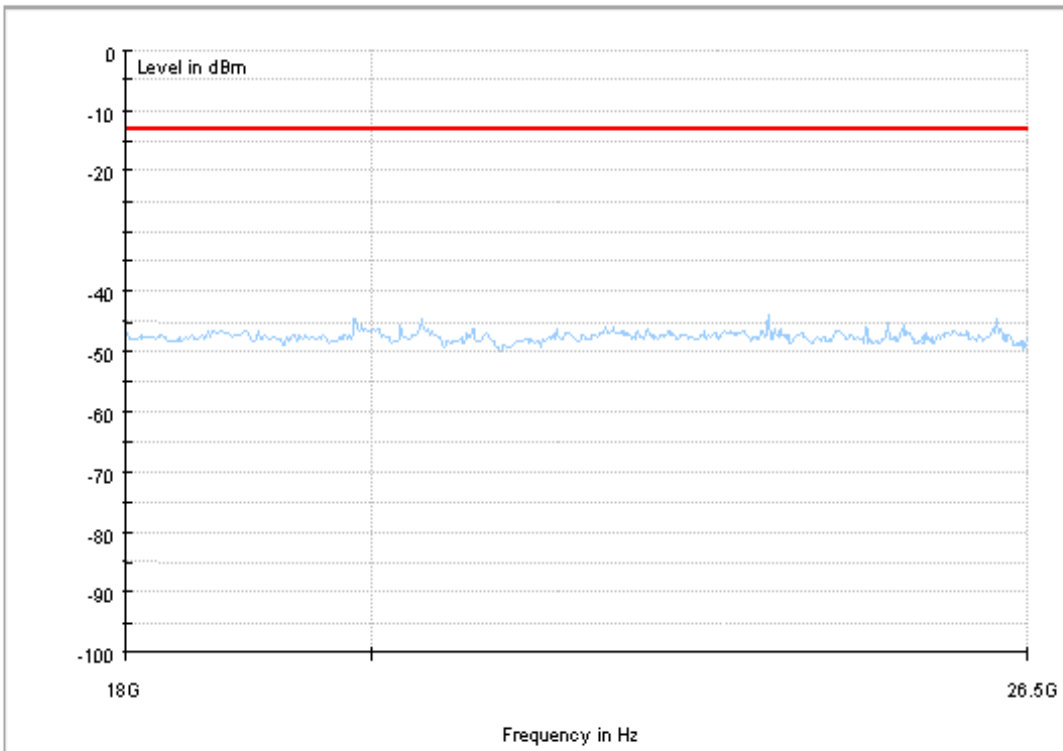
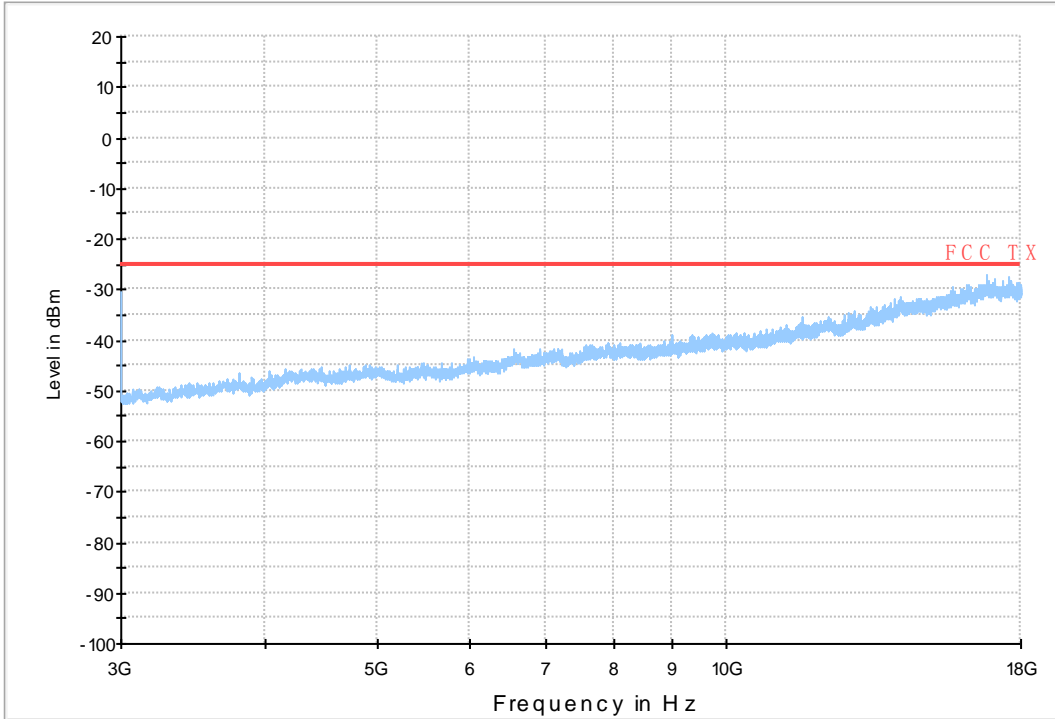
### 7.2.1.2 Test Bandwidth = 20



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



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



## 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
BAND7	LTE/TM1	5	LCH	TN	VL	2.36	0.00094	PASS
					VN	0.21	0.00008	PASS
					VH	-4.11	-0.00164	PASS
			MCH	TN	VL	2.78	0.0011	PASS
					VN	1.02	0.0004	PASS
					VH	0.17	0.00007	PASS
			HCH	TN	VL	-1.82	-0.00071	PASS
					VN	2.16	0.00084	PASS
					VH	-2.66	-0.00104	PASS
		10	LCH	TN	VL	-13.92	-0.00556	PASS
					VN	1.33	0.00053	PASS
					VH	0.31	0.00012	PASS
			MCH	TN	VL	0.82	0.00032	PASS
					VN	-0.79	-0.00031	PASS
					VH	1.67	0.00066	PASS
			HCH	TN	VL	-1.34	-0.00052	PASS
					VN	-1.39	-0.00054	PASS
					VH	-0.40	-0.00016	PASS
		15	LCH	TN	VL	-0.66	-0.00026	PASS
					VN	2.33	0.00093	PASS
					VH	-2.09	-0.00083	PASS
			MCH	TN	VL	-0.72	-0.00028	PASS
					VN	0.24	0.00009	PASS
					VH	0.79	0.00031	PASS
HCH	TN		VL	1.26	0.00049	PASS		
			VN	0.72	0.00028	PASS		
			VH	-0.57	-0.00022	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2	20	LCH	TN	VL	-2.22	-0.00088	PASS	
					VN	0.36	0.00014	PASS	
					VH	0.16	0.00006	PASS	
			MCH	TN	VL	0.49	0.00019	PASS	
					VN	1.79	0.00071	PASS	
					VH	1.59	0.00063	PASS	
			HCH	TN	VL	3.15	0.00123	PASS	
					VN	4.11	0.00161	PASS	
					VH	2.76	0.00108	PASS	
			5	LCH	TN	VL	1.33	0.00053	PASS
						VN	-22.62	-0.00904	PASS
						VH	1.26	0.0005	PASS
		MCH		TN	VL	-23.50	-0.00927	PASS	
					VN	-17.02	-0.00671	PASS	
					VH	3.85	0.00152	PASS	
		HCH		TN	VL	-1.02	-0.0004	PASS	
					VN	0.10	0.00004	PASS	
					VH	-3.40	-0.00132	PASS	
		10		LCH	TN	VL	-5.02	-0.002	PASS
						VN	1.53	0.00061	PASS
						VH	-1.77	-0.00071	PASS
			MCH	TN	VL	2.06	0.00081	PASS	
					VN	-1.90	-0.00075	PASS	
					VH	-0.86	-0.00034	PASS	
			HCH	TN	VL	2.17	0.00085	PASS	
					VN	0.76	0.0003	PASS	
					VH	2.39	0.00093	PASS	
			15	LCH	TN	VL	-7.64	-0.00305	PASS
						VN	1.26	0.0005	PASS
						VH	2.66	0.00106	PASS
		MCH		TN	VL	3.52	0.00139	PASS	
					VN	0.04	0.00002	PASS	
					VH	-1.02	-0.0004	PASS	
		HCH		TN	VL	1.87	0.00073	PASS	
					VN	1.70	0.00066	PASS	
					VH	4.15	0.00162	PASS	
		20		LCH	TN	VL	0.09	0.00004	PASS
						VN	1.16	0.00046	PASS
						VH	-0.09	-0.00004	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	-0.13	-0.00005	PASS
					VN	1.97	0.00078	PASS
					VH	0.94	0.00037	PASS
			HCH	TN	VL	2.13	0.00083	PASS
					VN	1.24	0.00048	PASS
					VH	2.43	0.00095	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
BAND7	-30	LTE/TM1	5	LCH	VN	-4.31	-0.00172	PASS
				MCH	VN	-4.02	-0.00159	PASS
				HCH	VN	0.89	0.00035	PASS
			10	LCH	VN	3.25	0.0013	PASS
				MCH	VN	0.83	0.00033	PASS
				HCH	VN	-0.46	-0.00018	PASS
			15	LCH	VN	-0.83	-0.00033	PASS
				MCH	VN	-0.09	-0.00004	PASS
				HCH	VN	-1.10	-0.00043	PASS
		20	LCH	VN	0.00	0	PASS	
			MCH	VN	-0.79	-0.00031	PASS	
			HCH	VN	0.41	0.00016	PASS	
		LTE/TM2	5	LCH	VN	-45.75	-0.01828	PASS
				MCH	VN	0.13	0.00005	PASS
				HCH	VN	-20.61	-0.00803	PASS
			10	LCH	VN	-1.59	-0.00063	PASS
				MCH	VN	-1.10	-0.00043	PASS
				HCH	VN	-1.32	-0.00051	PASS
	15		LCH	VN	-3.25	-0.0013	PASS	
			MCH	VN	-10.11	-0.00399	PASS	
			HCH	VN	-1.44	-0.00056	PASS	
	20	LCH	VN	-0.74	-0.00029	PASS		
		MCH	VN	0.24	0.00009	PASS		
		HCH	VN	1.43	0.00056	PASS		
-20	LTE/TM1	5	LCH	VN	-18.98	-0.00758	PASS	
			MCH	VN	1.42	0.00056	PASS	
			HCH	VN	-4.45	-0.00173	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	0.67	0.00027	PASS	
				MCH	VN	0.19	0.00007	PASS	
				HCH	VN	-0.23	-0.00009	PASS	
			15	LCH	VN	-0.51	-0.0002	PASS	
				MCH	VN	0.92	0.00036	PASS	
				HCH	VN	-1.07	-0.00042	PASS	
			20	LCH	VN	-1.07	-0.00043	PASS	
				MCH	VN	-0.94	-0.00037	PASS	
				HCH	VN	1.59	0.00062	PASS	
			LTE/TM2	5	LCH	VN	-2.85	-0.00114	PASS
					MCH	VN	-0.96	-0.00038	PASS
					HCH	VN	-0.96	-0.00037	PASS
				10	LCH	VN	-1.85	-0.00074	PASS
					MCH	VN	1.23	0.00049	PASS
					HCH	VN	-15.36	-0.00599	PASS
				15	LCH	VN	-6.05	-0.00241	PASS
					MCH	VN	1.65	0.00065	PASS
					HCH	VN	-1.89	-0.00074	PASS
		20		LCH	VN	-0.96	-0.00038	PASS	
				MCH	VN	0.97	0.00038	PASS	
				HCH	VN	3.82	0.00149	PASS	
		LTE/TM1	5	LCH	VN	-2.75	-0.0011	PASS	
				MCH	VN	-0.17	-0.00007	PASS	
				HCH	VN	-0.86	-0.00033	PASS	
			10	LCH	VN	-14.03	-0.0056	PASS	
				MCH	VN	-1.32	-0.00052	PASS	
				HCH	VN	-0.19	-0.00007	PASS	
			15	LCH	VN	-1.49	-0.00059	PASS	
				MCH	VN	0.24	0.00009	PASS	
				HCH	VN	1.66	0.00065	PASS	
			20	LCH	VN	1.36	0.00054	PASS	
				MCH	VN	-1.90	-0.00075	PASS	
				HCH	VN	0.73	0.00029	PASS	
			LTE/TM2	5	LCH	VN	0.53	0.00021	PASS
					MCH	VN	1.90	0.00075	PASS
					HCH	VN	0.59	0.00023	PASS
				10	LCH	VN	0.76	0.0003	PASS
					MCH	VN	-0.04	-0.00002	PASS
					HCH	VN	3.16	0.00123	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	-1.96	-0.00078	PASS	
				MCH	VN	-0.60	-0.00024	PASS	
				HCH	VN	1.07	0.00042	PASS	
			20	LCH	VN	-0.59	-0.00024	PASS	
				MCH	VN	-1.70	-0.00067	PASS	
				HCH	VN	1.24	0.00048	PASS	
			LTE/TM2	5	LCH	VN	0.47	0.00019	PASS
					MCH	VN	-1.06	-0.00042	PASS
					HCH	VN	-0.59	-0.00023	PASS
		10		LCH	VN	-16.39	-0.00654	PASS	
				MCH	VN	2.15	0.00085	PASS	
				HCH	VN	0.40	0.00016	PASS	
		15		LCH	VN	1.95	0.00078	PASS	
				MCH	VN	-6.84	-0.0027	PASS	
				HCH	VN	-1.16	-0.00045	PASS	
		20	LCH	VN	0.31	0.00012	PASS		
			MCH	VN	1.63	0.00064	PASS		
			HCH	VN	2.36	0.00092	PASS		
	LTE/TM2	5	LCH	VN	-2.59	-0.00103	PASS		
			MCH	VN	-5.58	-0.0022	PASS		
			HCH	VN	2.53	0.00099	PASS		
		10	LCH	VN	-12.30	-0.00491	PASS		
			MCH	VN	0.89	0.00035	PASS		
			HCH	VN	1.90	0.00074	PASS		
		15	LCH	VN	-2.00	-0.0008	PASS		
			MCH	VN	-0.64	-0.00025	PASS		
			HCH	VN	-0.43	-0.00017	PASS		
	20	LCH	VN	-1.79	-0.00071	PASS			
		MCH	VN	0.23	0.00009	PASS			
		HCH	VN	4.48	0.00175	PASS			
	10	LTE/TM1	5	LCH	VN	3.06	0.00122	PASS	
				MCH	VN	1.32	0.00052	PASS	
				HCH	VN	-12.16	-0.00474	PASS	
			10	LCH	VN	0.67	0.00027	PASS	
				MCH	VN	-0.73	-0.00029	PASS	
				HCH	VN	0.41	0.00016	PASS	
15			LCH	VN	0.26	0.0001	PASS		
			MCH	VN	-4.31	-0.0017	PASS		
			HCH	VN	-0.62	-0.00024	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	-3.28	-0.00131	PASS	
				MCH	VN	0.93	0.00037	PASS	
				HCH	VN	3.33	0.0013	PASS	
			5	LCH	VN	1.39	0.00056	PASS	
				MCH	VN	2.17	0.00086	PASS	
				HCH	VN	2.55	0.00099	PASS	
			10	LCH	VN	-23.15	-0.00924	PASS	
				MCH	VN	-1.20	-0.00047	PASS	
				HCH	VN	2.15	0.00084	PASS	
		15	LCH	VN	-1.06	-0.00042	PASS		
			MCH	VN	1.16	0.00046	PASS		
			HCH	VN	2.29	0.00089	PASS		
		20	LCH	VN	0.79	0.00031	PASS		
			MCH	VN	-0.13	-0.00005	PASS		
			HCH	VN	2.02	0.00079	PASS		
		LTE/TM1	5	LCH	VN	-1.27	-0.00051	PASS	
				MCH	VN	2.12	0.00084	PASS	
				HCH	VN	-17.87	-0.00696	PASS	
			10	LCH	VN	-2.29	-0.00091	PASS	
				MCH	VN	-1.53	-0.0006	PASS	
				HCH	VN	-11.01	-0.00429	PASS	
			15	LCH	VN	0.76	0.0003	PASS	
				MCH	VN	0.31	0.00012	PASS	
				HCH	VN	0.66	0.00026	PASS	
			20	LCH	VN	0.87	0.00035	PASS	
				MCH	VN	-1.73	-0.00068	PASS	
				HCH	VN	3.30	0.00129	PASS	
			LTE/TM2	5	LCH	VN	0.14	0.00006	PASS
					MCH	VN	0.67	0.00026	PASS
					HCH	VN	-26.84	-0.01045	PASS
				10	LCH	VN	-10.73	-0.00428	PASS
					MCH	VN	5.32	0.0021	PASS
					HCH	VN	1.07	0.00042	PASS
		15		LCH	VN	-0.67	-0.00027	PASS	
				MCH	VN	-0.06	-0.00002	PASS	
				HCH	VN	0.63	0.00025	PASS	
		20		LCH	VN	-1.53	-0.00061	PASS	
				MCH	VN	-0.53	-0.00021	PASS	
				HCH	VN	5.35	0.00209	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	0.74	0.0003	PASS
				MCH	VN	-0.57	-0.00022	PASS
				HCH	VN	-1.70	-0.00066	PASS
			10	LCH	VN	-1.80	-0.00072	PASS
				MCH	VN	-2.72	-0.00107	PASS
				HCH	VN	-15.35	-0.00598	PASS
			15	LCH	VN	-1.37	-0.00055	PASS
				MCH	VN	0.26	0.0001	PASS
				HCH	VN	0.39	0.00015	PASS
		20	LCH	VN	-1.50	-0.0006	PASS	
			MCH	VN	-0.01	0	PASS	
			HCH	VN	1.54	0.0006	PASS	
		LTE/TM2	5	LCH	VN	-18.22	-0.00728	PASS
				MCH	VN	-1.39	-0.00055	PASS
				HCH	VN	1.92	0.00075	PASS
			10	LCH	VN	0.92	0.00037	PASS
				MCH	VN	0.64	0.00025	PASS
				HCH	VN	-6.90	-0.00269	PASS
	15		LCH	VN	-0.89	-0.00035	PASS	
			MCH	VN	-6.39	-0.00252	PASS	
			HCH	VN	-1.09	-0.00043	PASS	
	20		LCH	VN	0.17	0.00007	PASS	
			MCH	VN	-1.40	-0.00055	PASS	
			HCH	VN	4.82	0.00188	PASS	
	40	LTE/TM1	5	LCH	VN	1.85	0.00074	PASS
				MCH	VN	-31.50	-0.01243	PASS
				HCH	VN	-1.33	-0.00052	PASS
			10	LCH	VN	-1.06	-0.00042	PASS
				MCH	VN	-22.32	-0.0088	PASS
				HCH	VN	-2.90	-0.00113	PASS
			15	LCH	VN	-1.46	-0.00058	PASS
				MCH	VN	0.31	0.00012	PASS
				HCH	VN	-4.72	-0.00184	PASS
			20	LCH	VN	-2.35	-0.00094	PASS
				MCH	VN	0.82	0.00032	PASS
				HCH	VN	2.78	0.00109	PASS
LTE/TM2		5	LCH	VN	-3.58	-0.00143	PASS	
			MCH	VN	1.65	0.00065	PASS	
			HCH	VN	-0.07	-0.00003	PASS	



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	50		10	LCH	VN	-8.83	-0.00352	PASS	
				MCH	VN	2.70	0.00107	PASS	
				HCH	VN	0.20	0.00008	PASS	
			15	LCH	VN	-1.40	-0.00056	PASS	
				MCH	VN	2.86	0.00113	PASS	
				HCH	VN	-0.24	-0.00009	PASS	
			20	LCH	VN	1.20	0.00048	PASS	
				MCH	VN	0.80	0.00032	PASS	
				HCH	VN	0.96	0.00038	PASS	
			LTE/TM1	5	LCH	VN	-0.46	-0.00018	PASS
					MCH	VN	-0.37	-0.00015	PASS
					HCH	VN	0.19	0.00007	PASS
		10		LCH	VN	-9.91	-0.00396	PASS	
				MCH	VN	0.03	0.00001	PASS	
				HCH	VN	0.99	0.00039	PASS	
		15		LCH	VN	1.23	0.00049	PASS	
				MCH	VN	-0.74	-0.00029	PASS	
				HCH	VN	0.72	0.00028	PASS	
		20		LCH	VN	-1.62	-0.00065	PASS	
				MCH	VN	1.54	0.00061	PASS	
				HCH	VN	0.33	0.00013	PASS	
		LTE/TM2	5	LCH	VN	-3.19	-0.00127	PASS	
				MCH	VN	0.04	0.00002	PASS	
				HCH	VN	1.39	0.00054	PASS	
			10	LCH	VN	-25.11	-0.01002	PASS	
				MCH	VN	-0.26	-0.0001	PASS	
				HCH	VN	-0.74	-0.00029	PASS	
			15	LCH	VN	-0.16	-0.00006	PASS	
				MCH	VN	-0.40	-0.00016	PASS	
				HCH	VN	0.57	0.00022	PASS	
20	LCH		VN	-1.27	-0.00051	PASS			
	MCH		VN	1.69	0.00067	PASS			
	HCH		VN	0.03	0.00001	PASS			

END