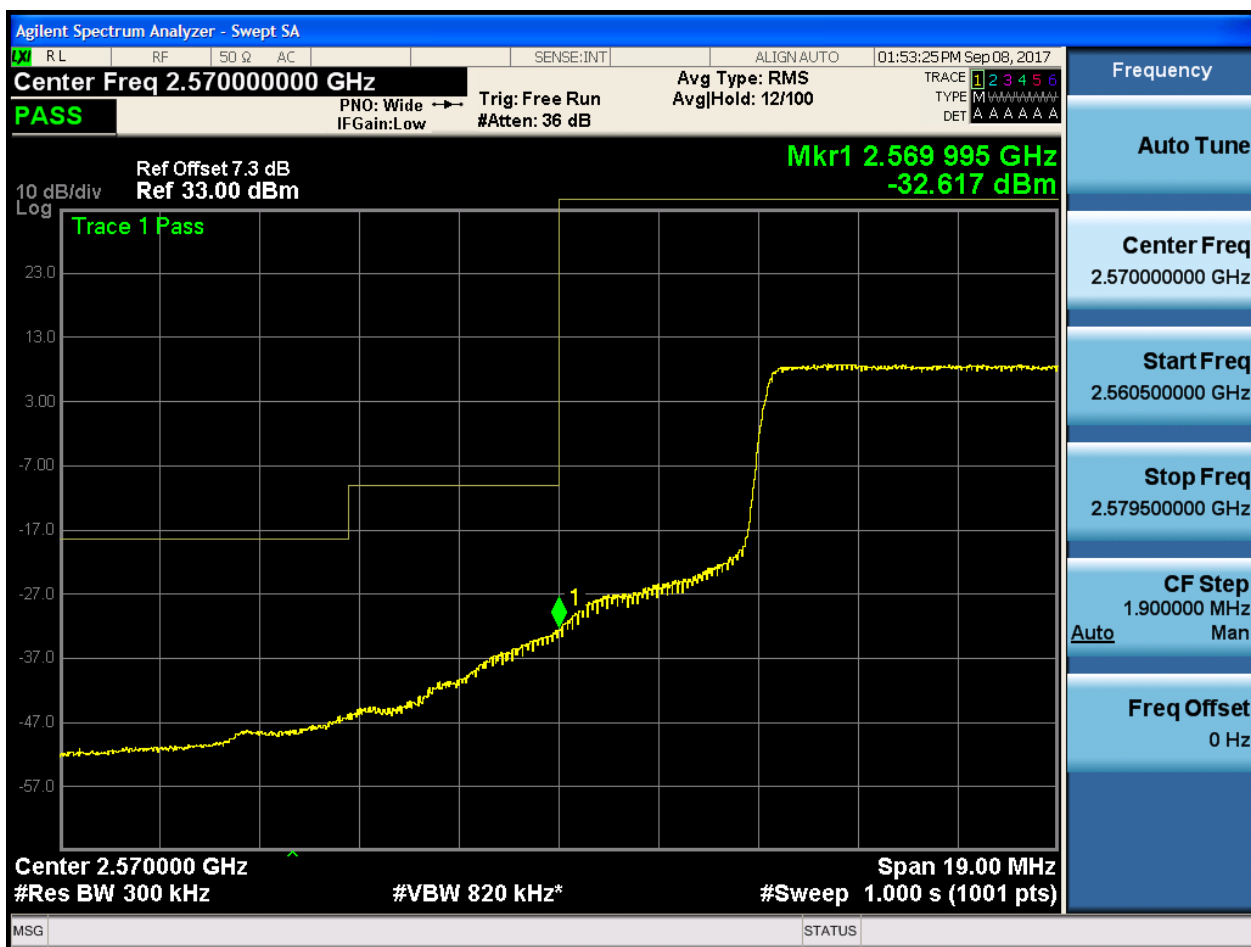


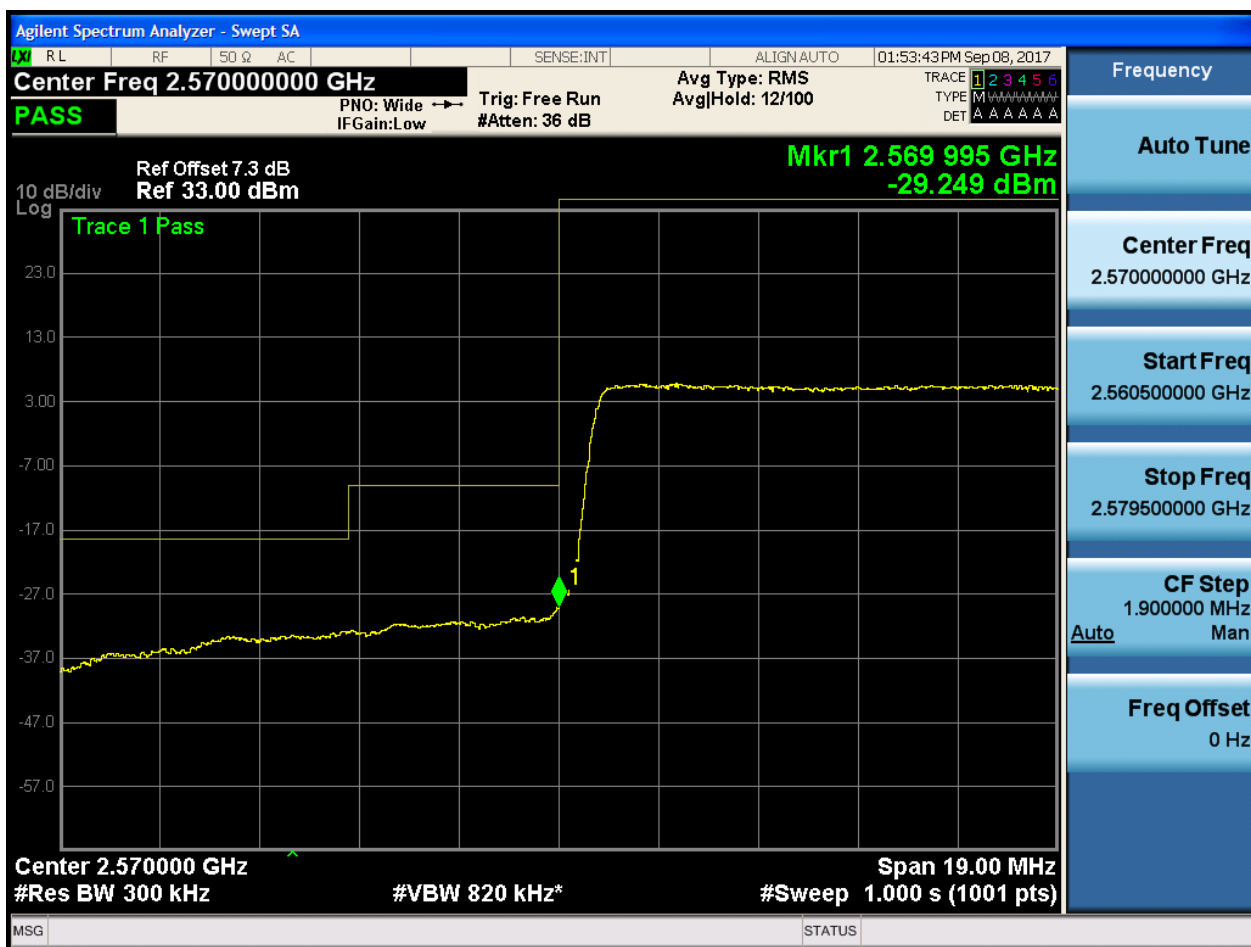


5.1.1.2.3.1.3 Test RB = RB36#18





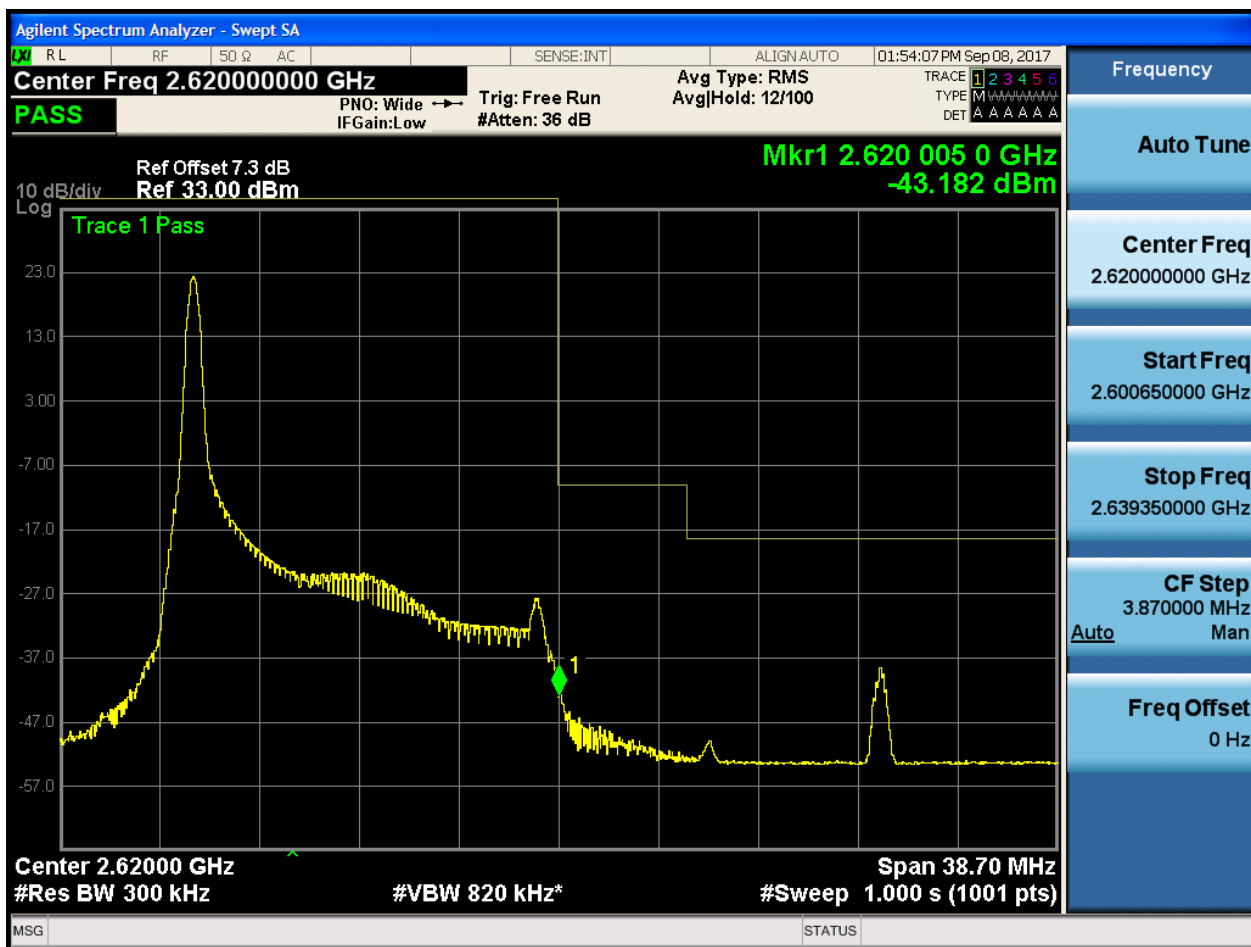
5.1.1.2.3.1.4 Test RB = RB75#0





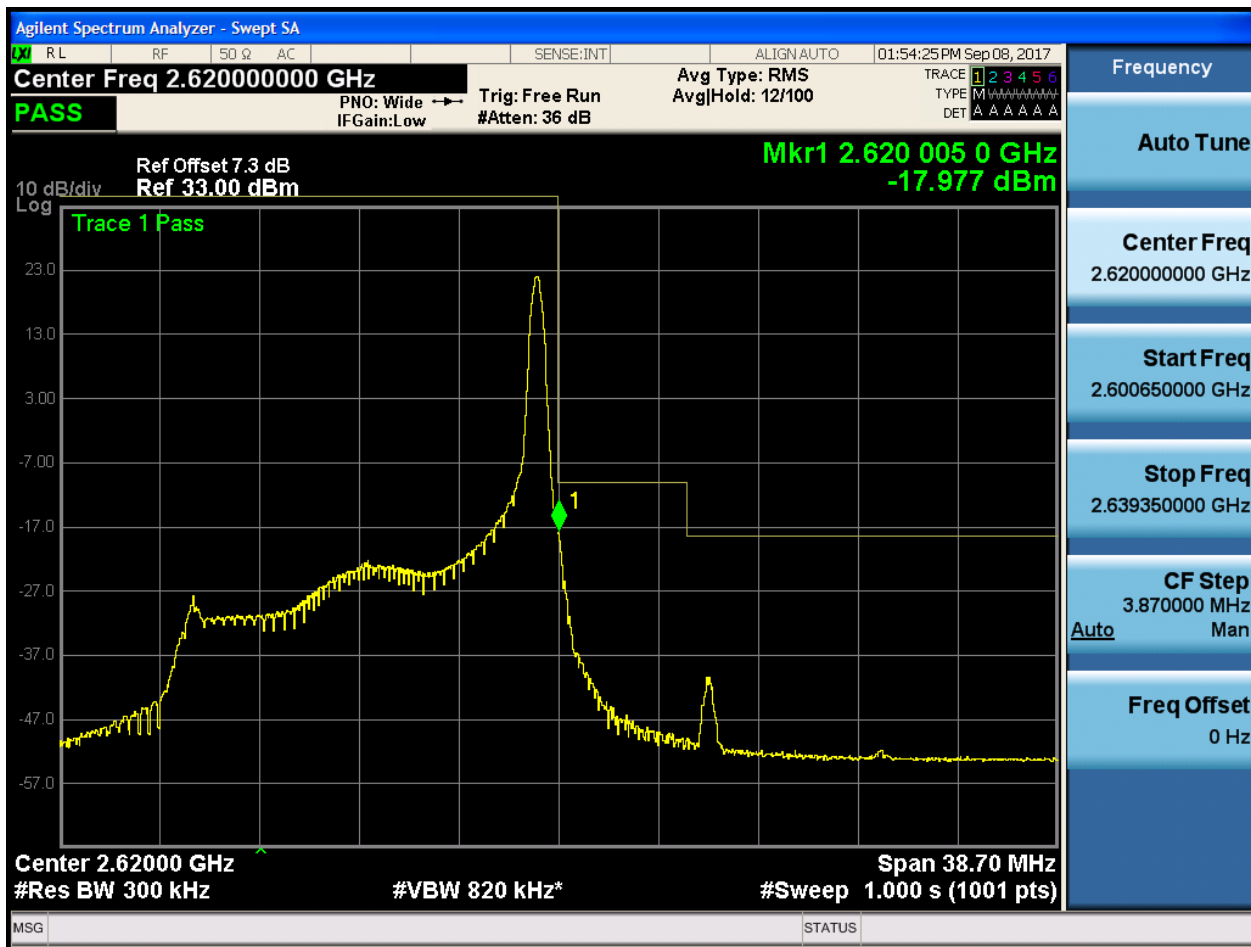
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0



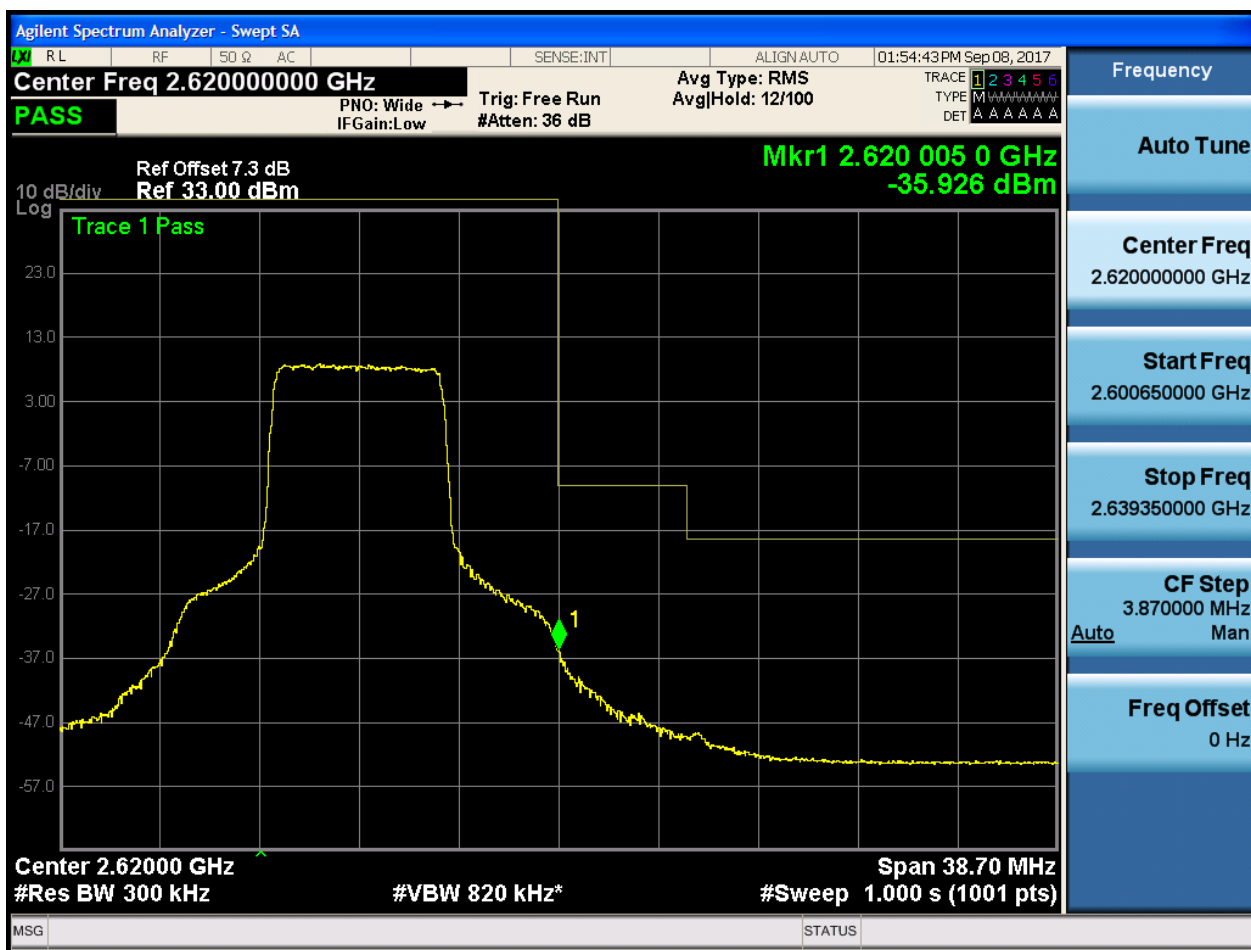


5.1.1.2.3.2.2 Test RB = RB1#74





5.1.1.2.3.2.3 Test RB = RB36#18





5.1.1.2.3.2.4 Test RB = RB75#0

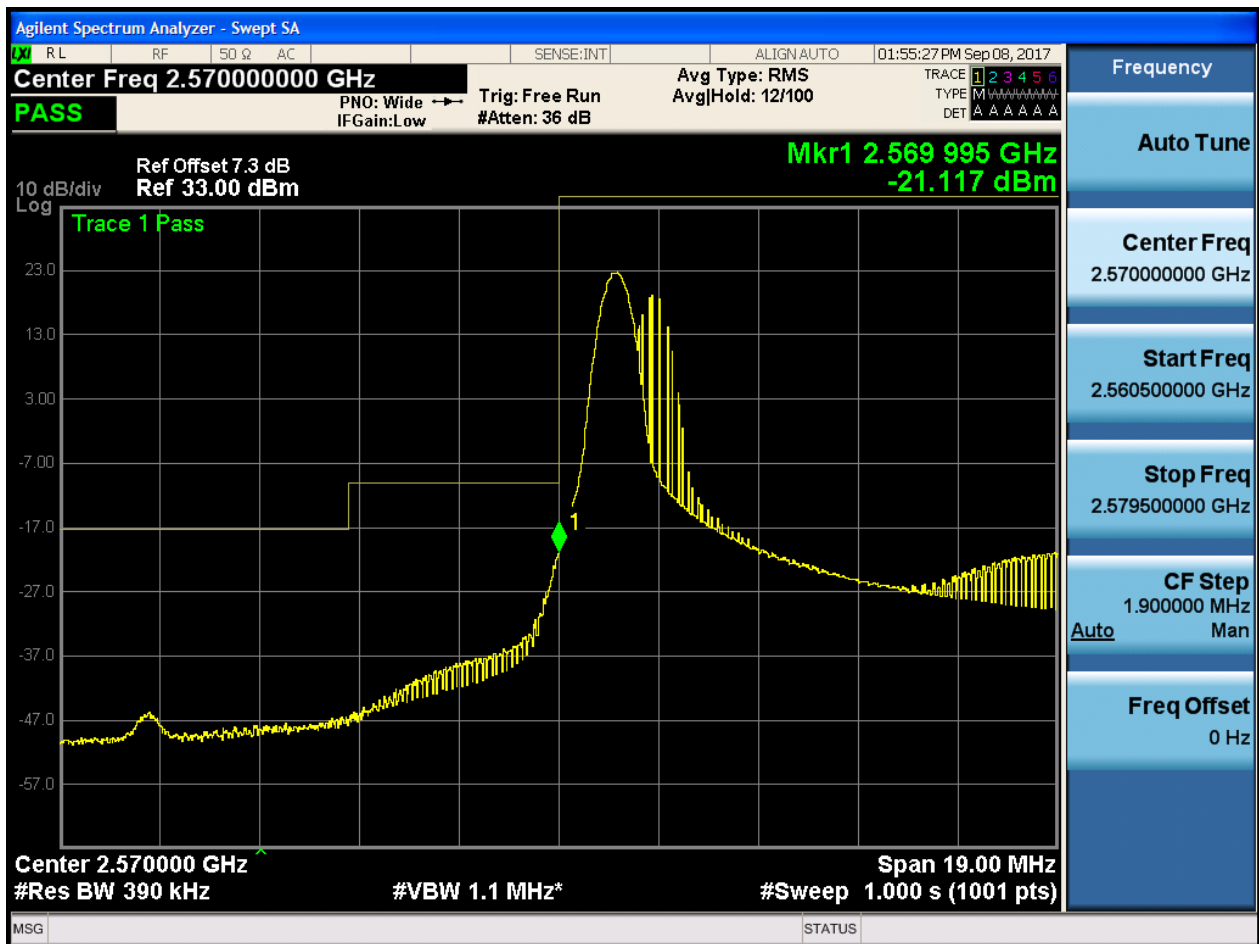




5.1.1.2.4 Test Bandwidth = 20

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:55:45 PM Sep 08, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A A

Ref Offset 7.3 dB
Ref 33.00 dBm

Mkr1 2.569 995 GHz
-41.771 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz
#Res BW 390 kHz
#VBW 1.1 MHz*
Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

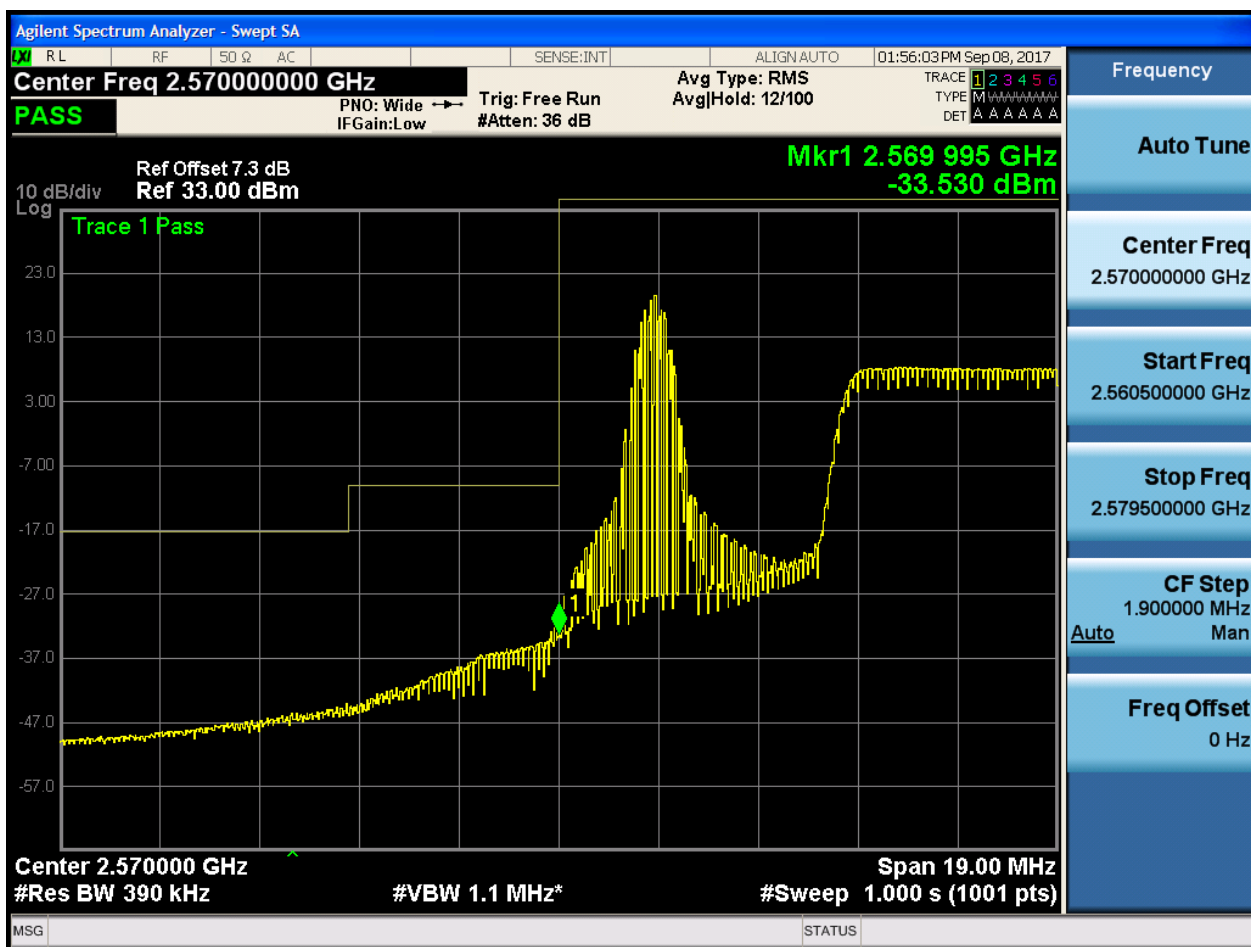
Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz

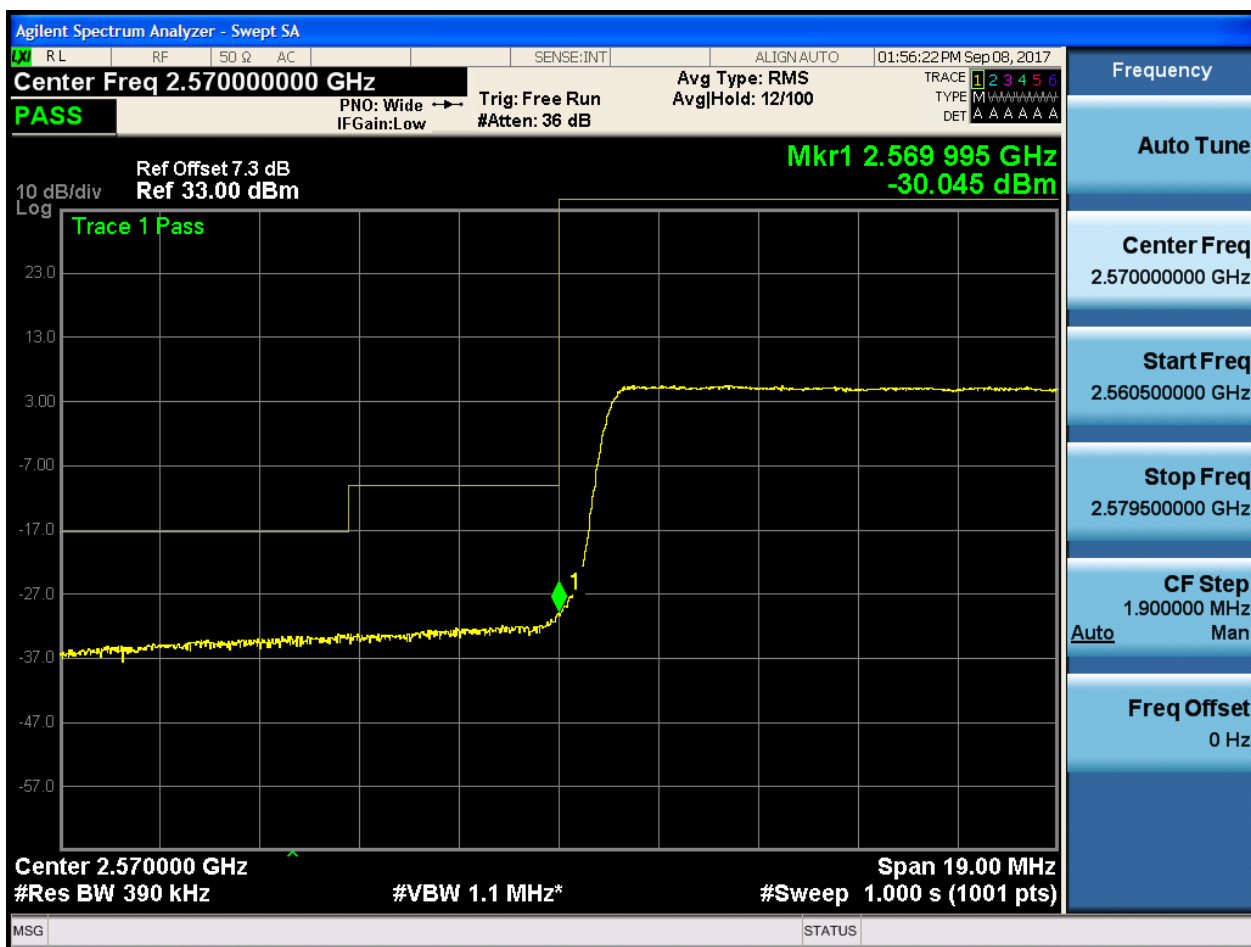


5.1.1.2.4.1.3 Test RB = RB50#25



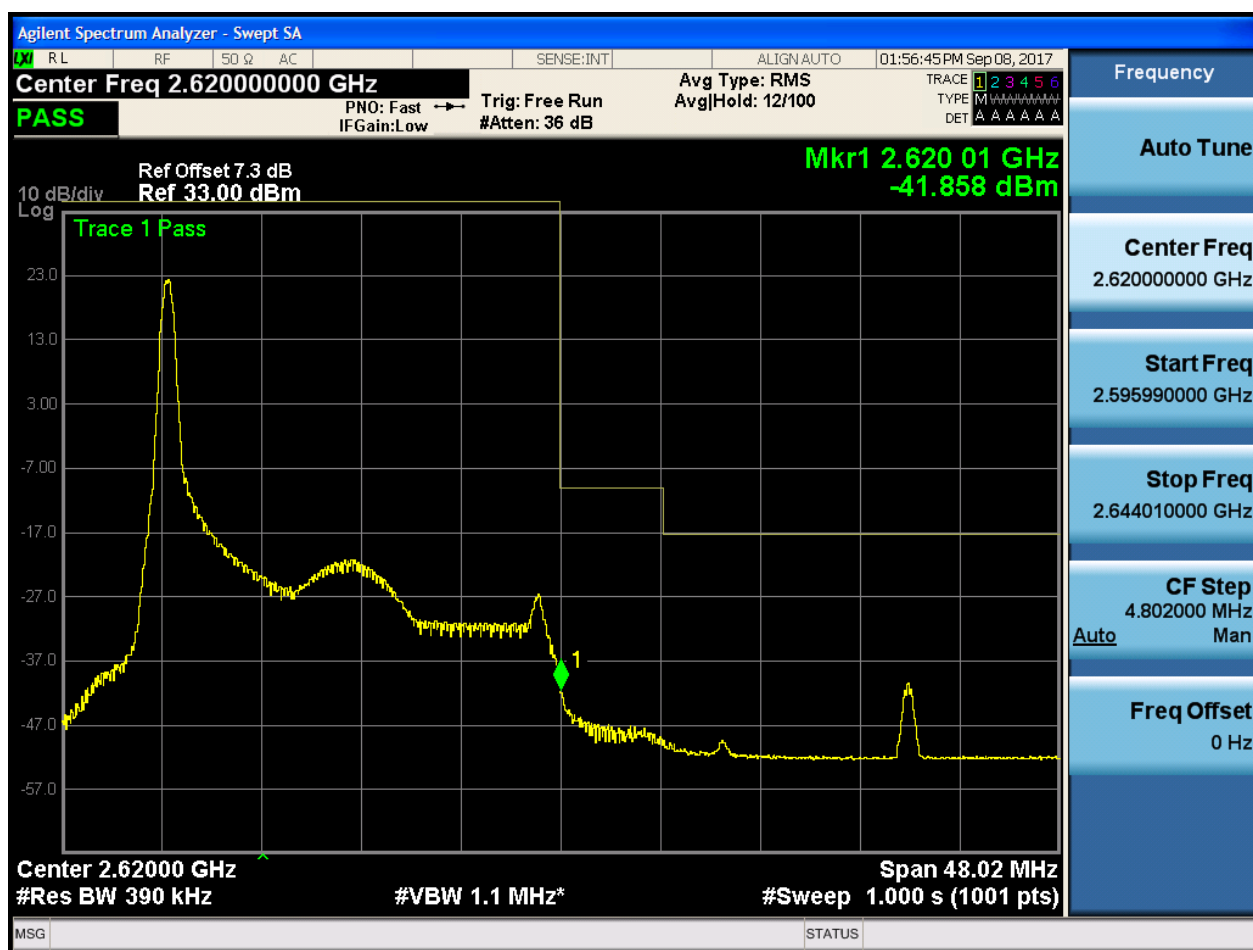


5.1.1.2.4.1.4 Test RB = RB100#0



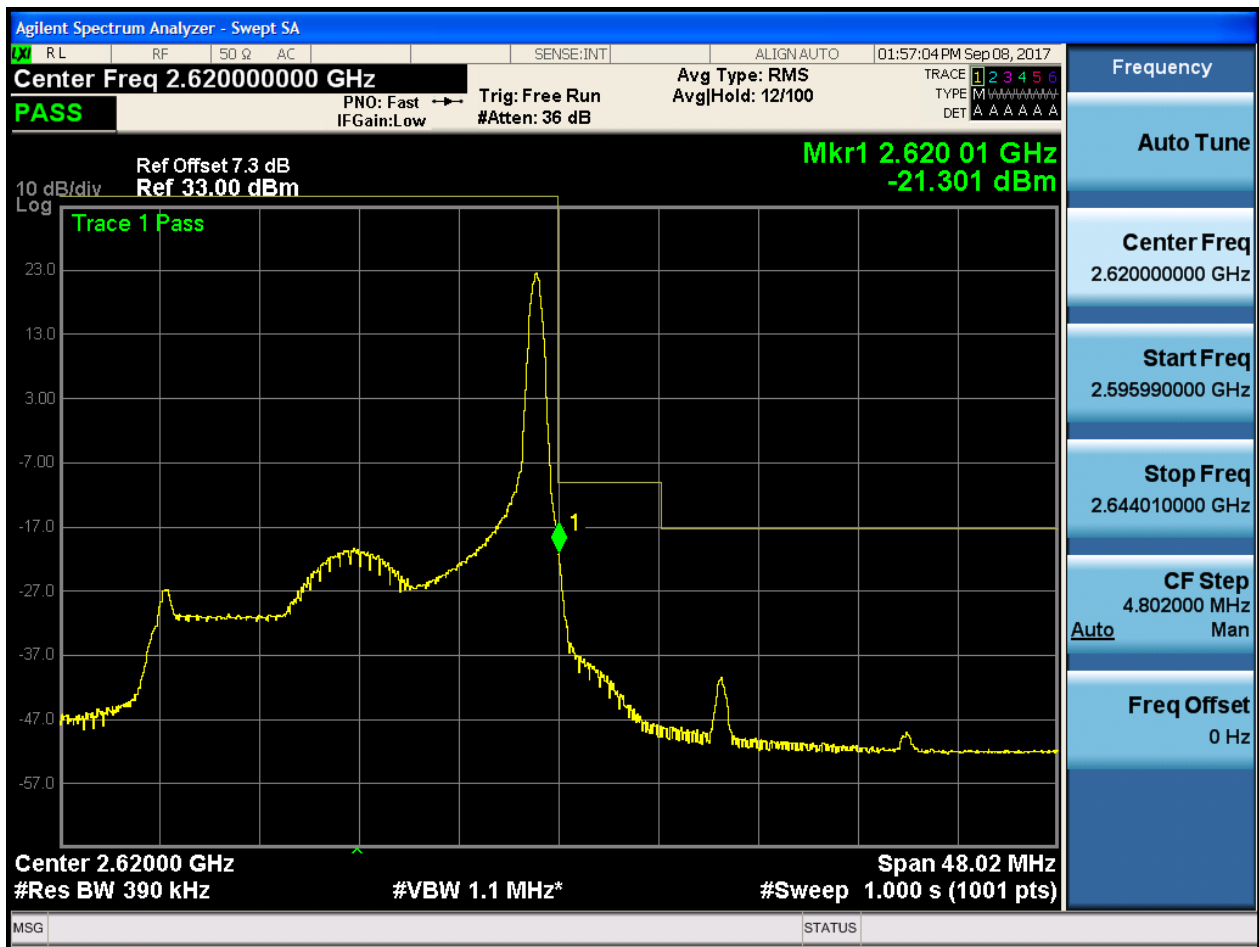
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



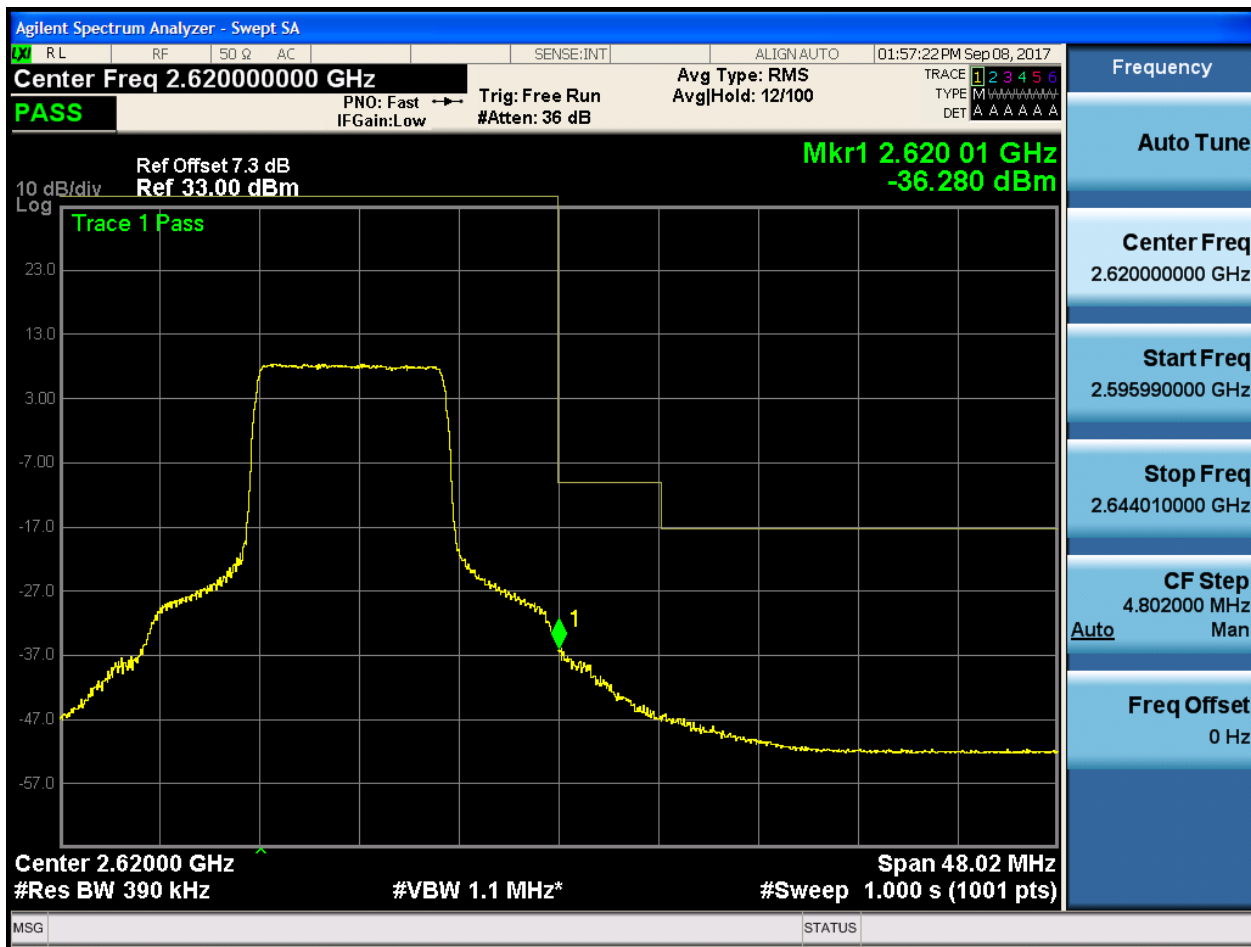


5.1.1.2.4.2.2 Test RB = RB1#99





5.1.1.2.4.2.3 Test RB = RB50#25





5.1.1.2.4.2.4 Test RB = RB100#0



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

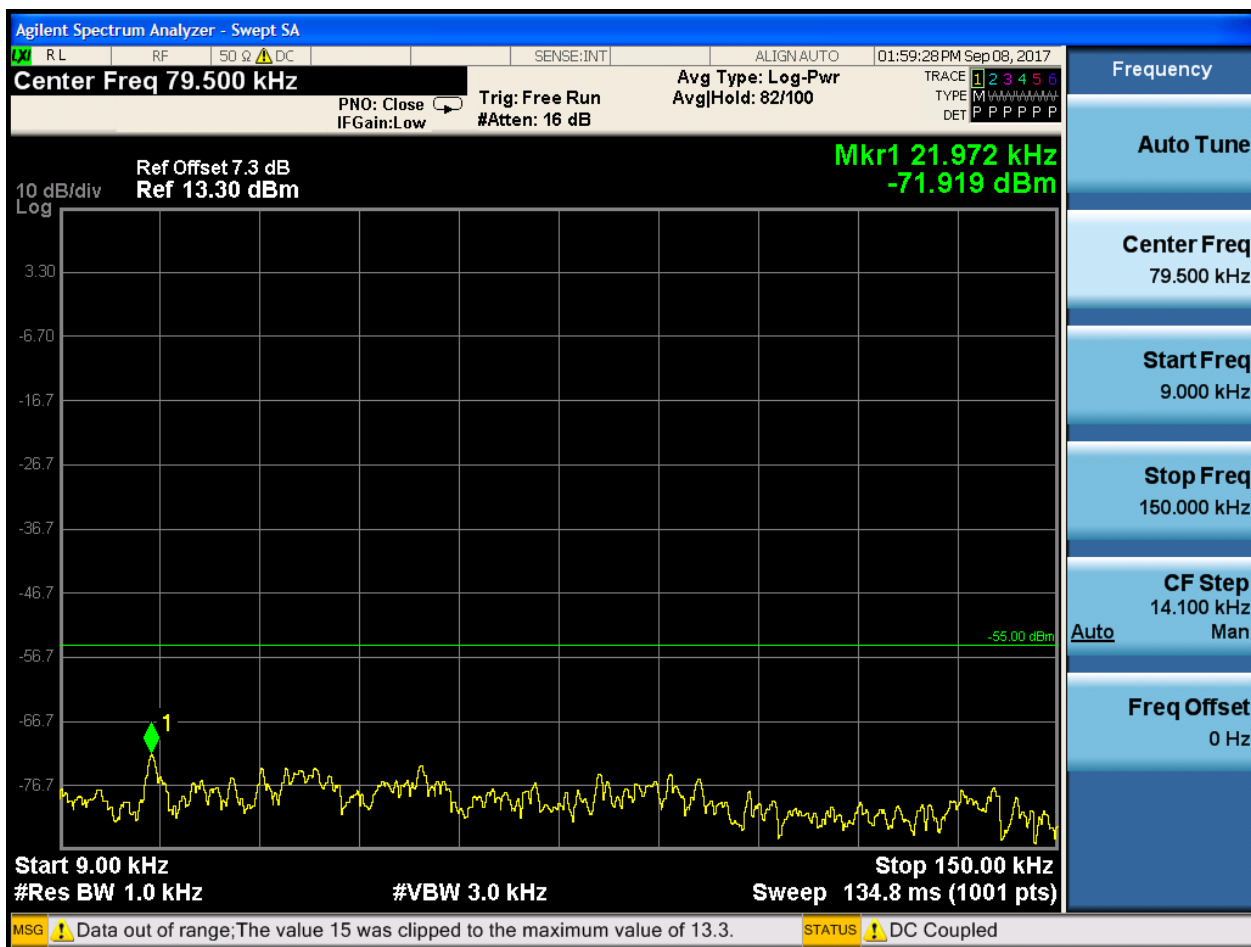
6.1.1 Test Band = BAND38

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 5

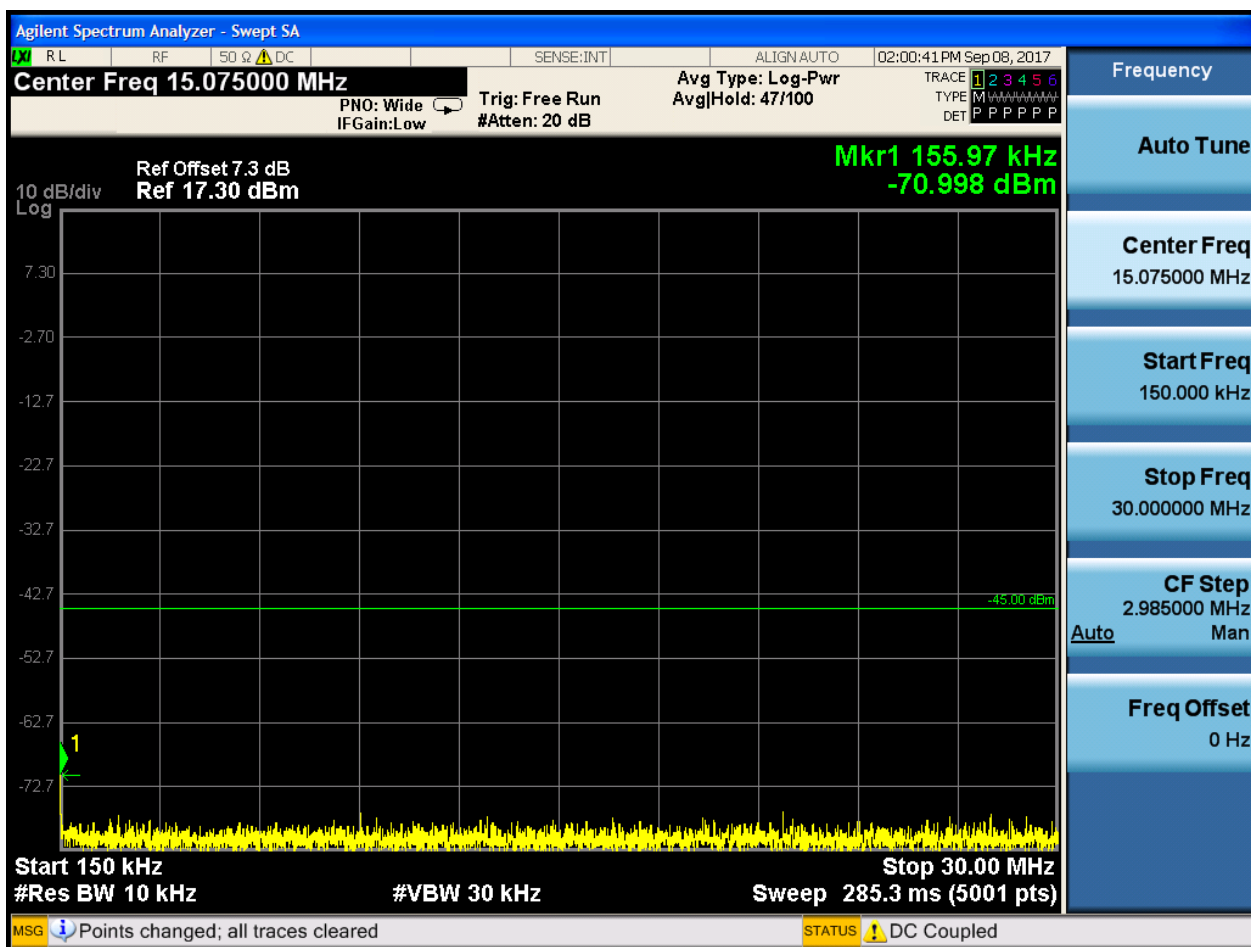
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0





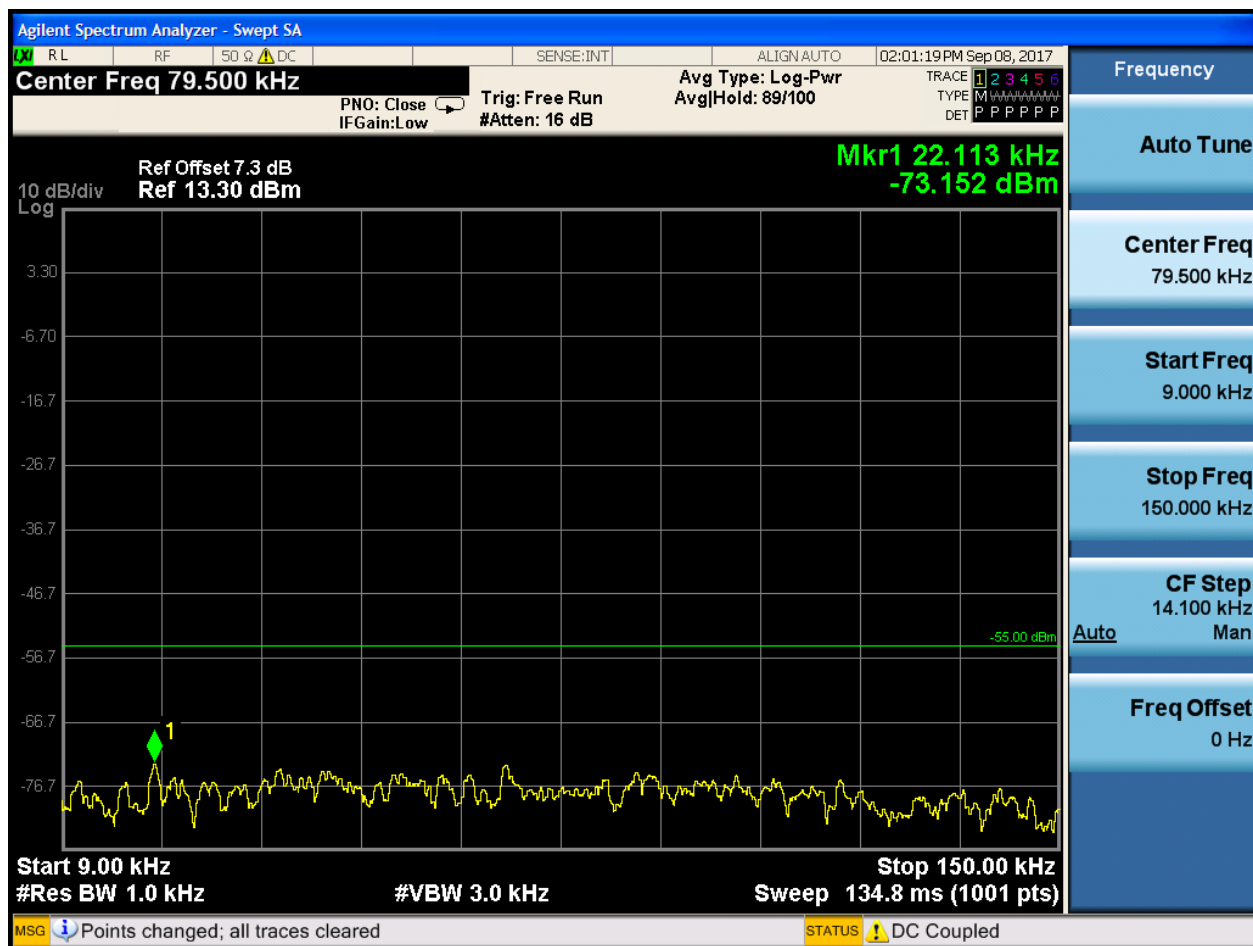


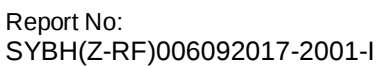


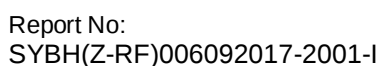


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0

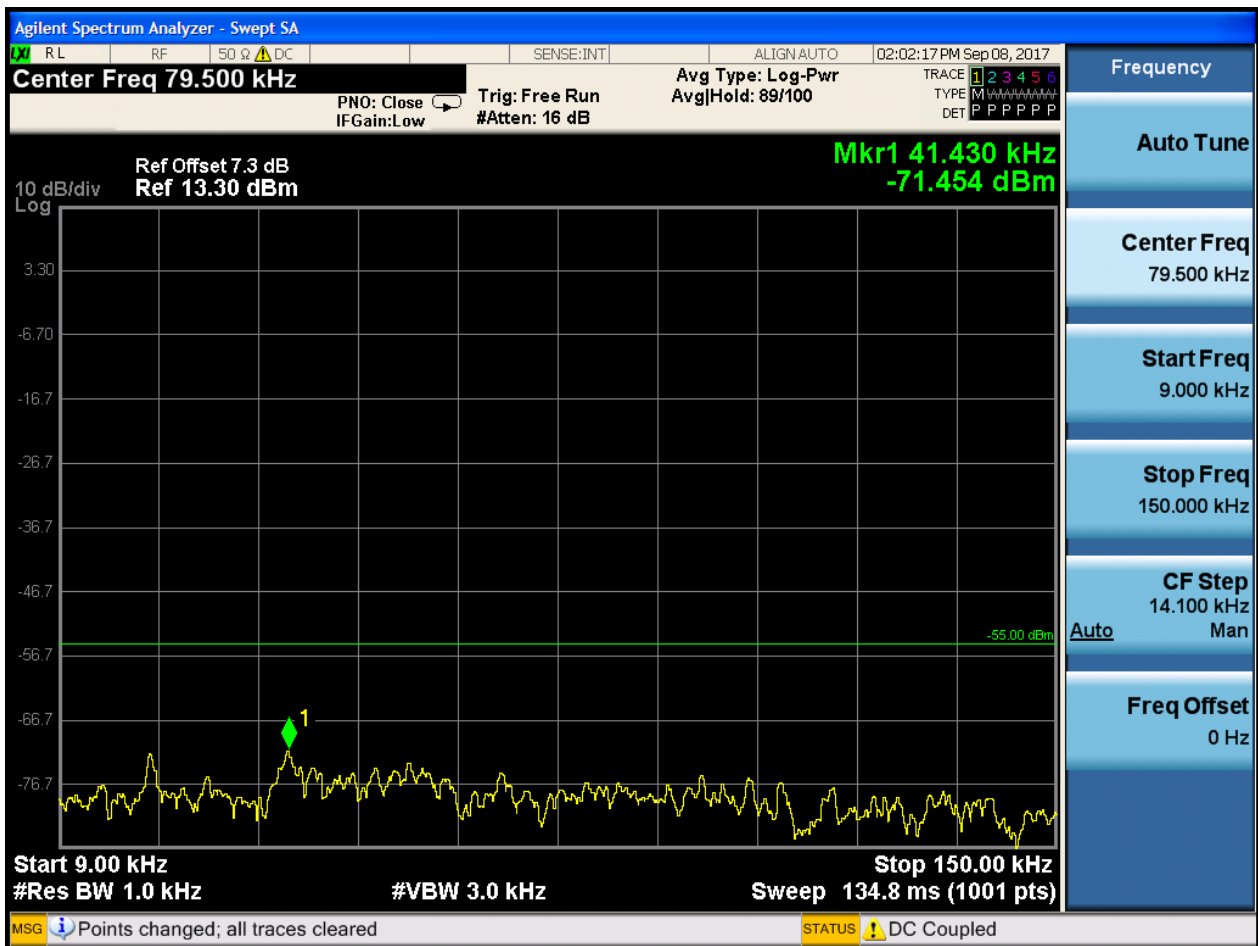


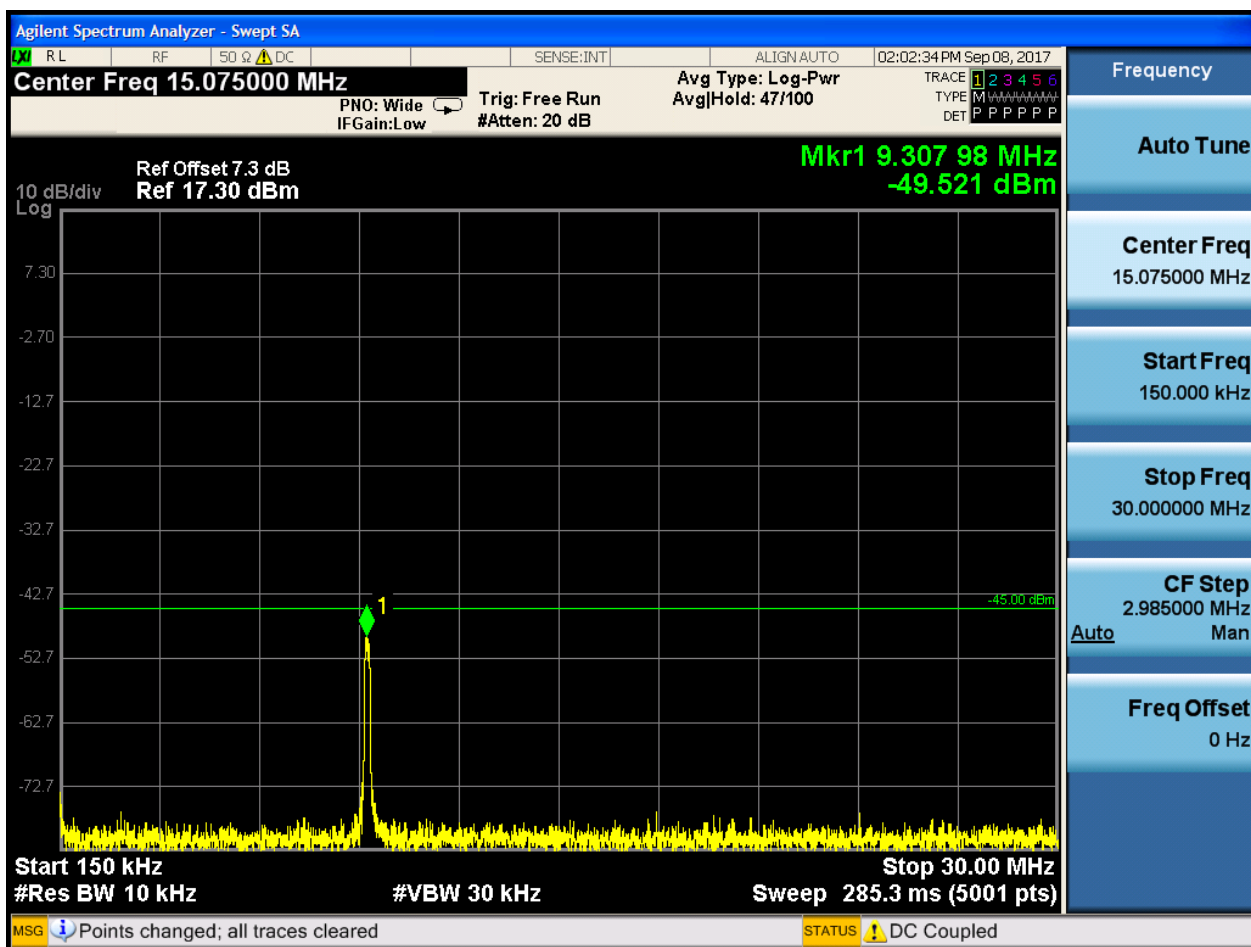


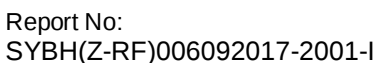




6.1.1.1.2.1.1 Test RB = RB1#0

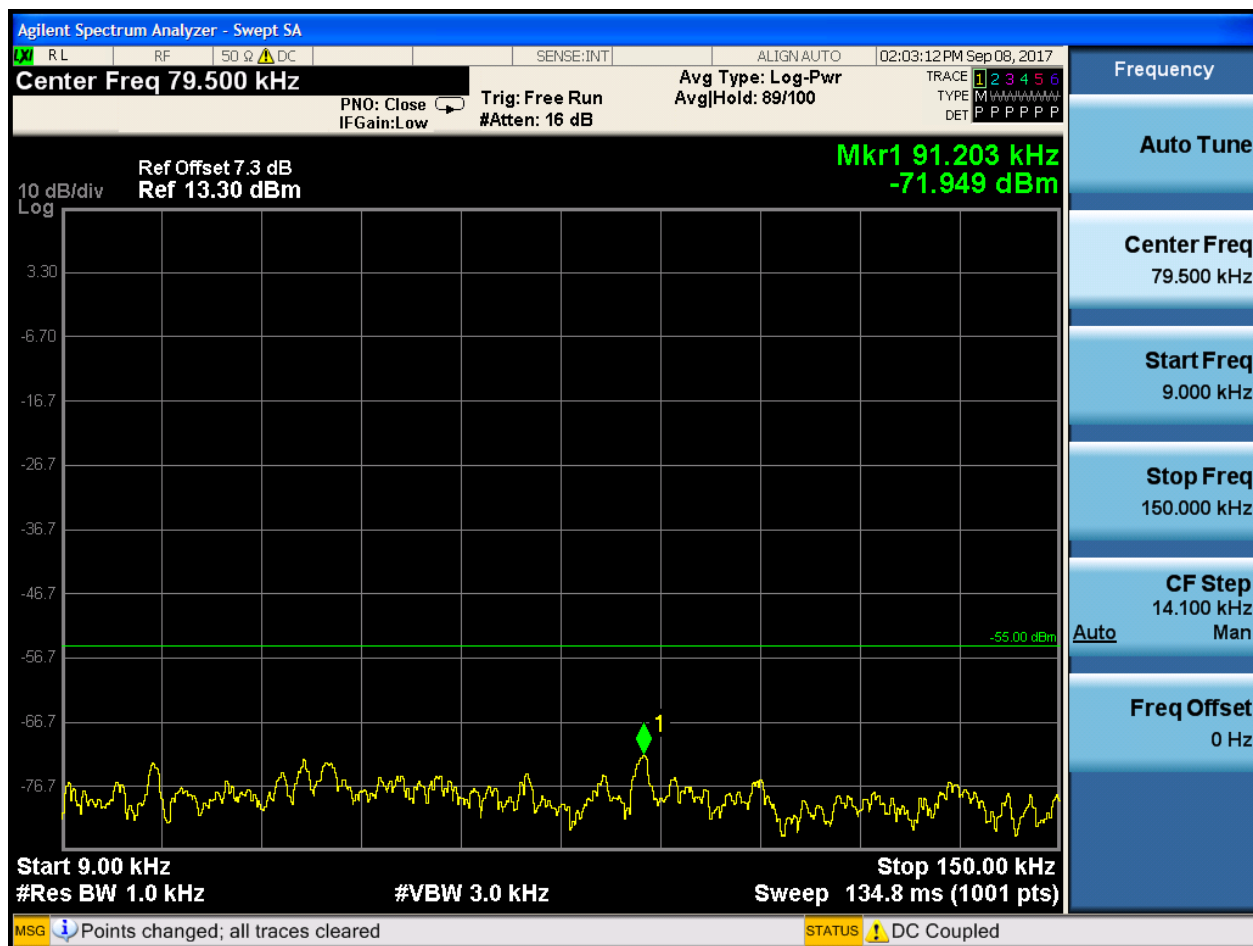


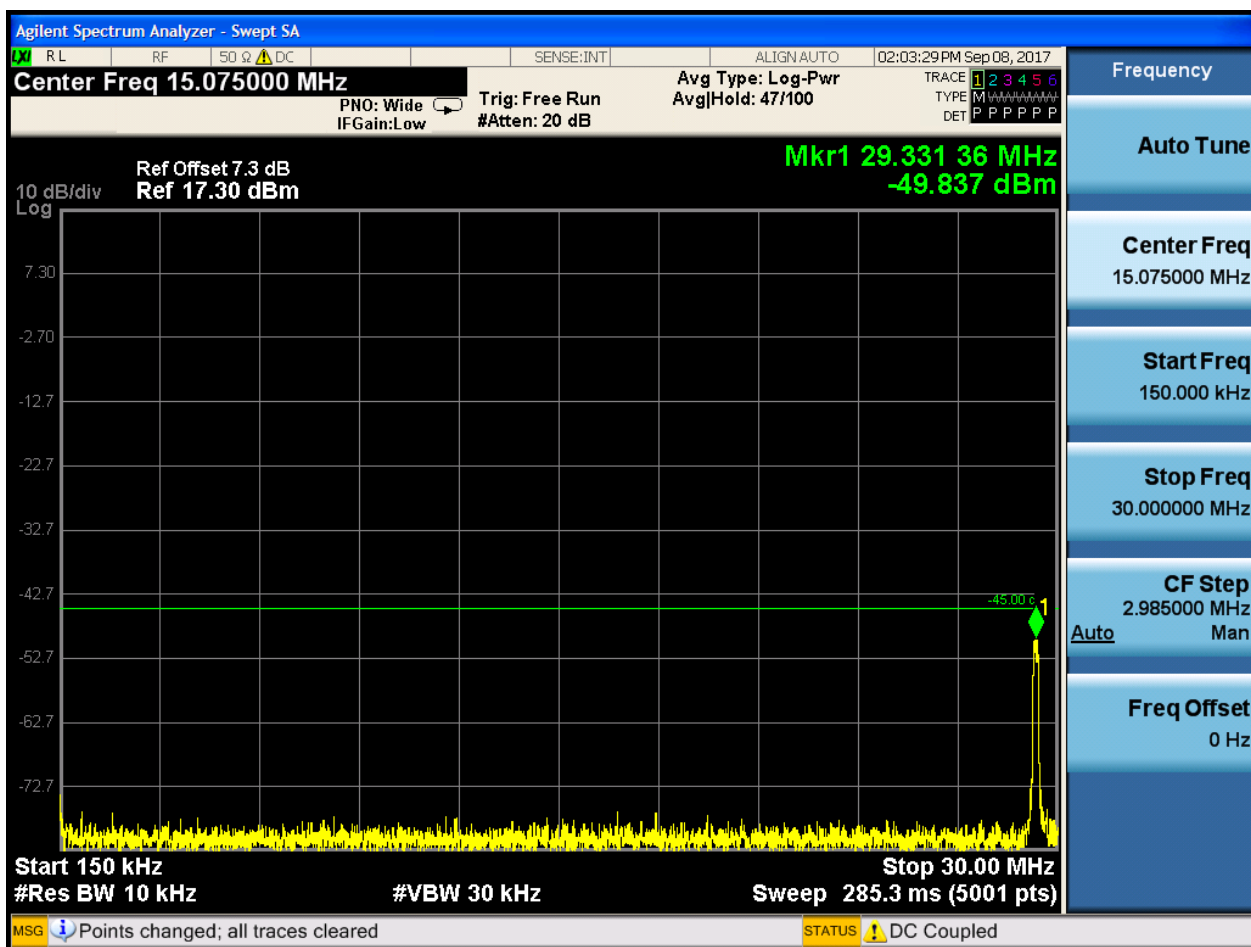




6.1.1.1.2.2 Test Channel = MCH

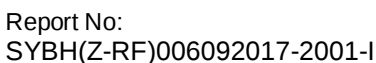
6.1.1.1.2.2.1 Test RB = RB1#0

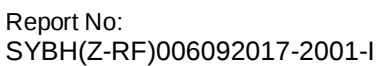








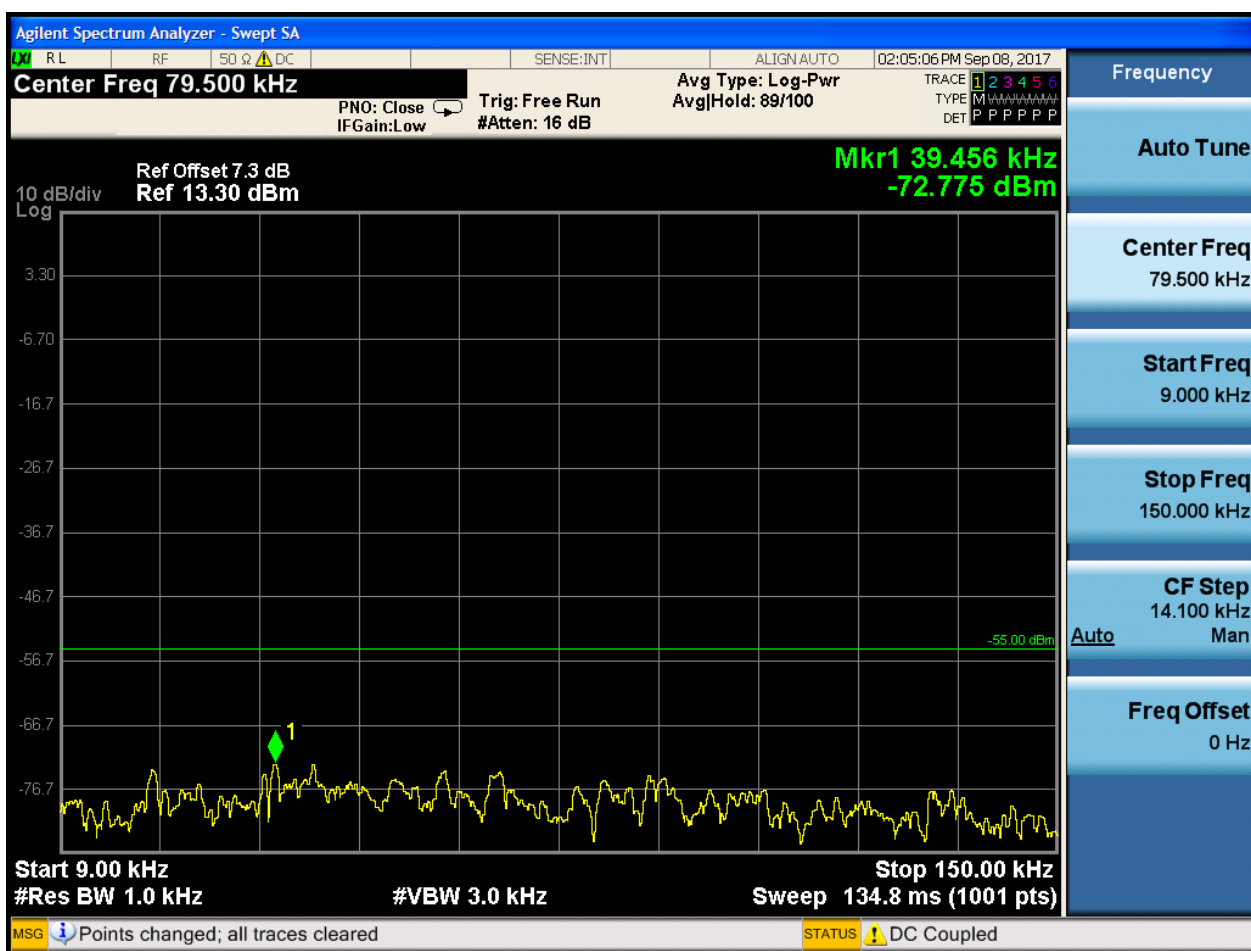


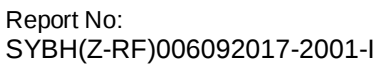


6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



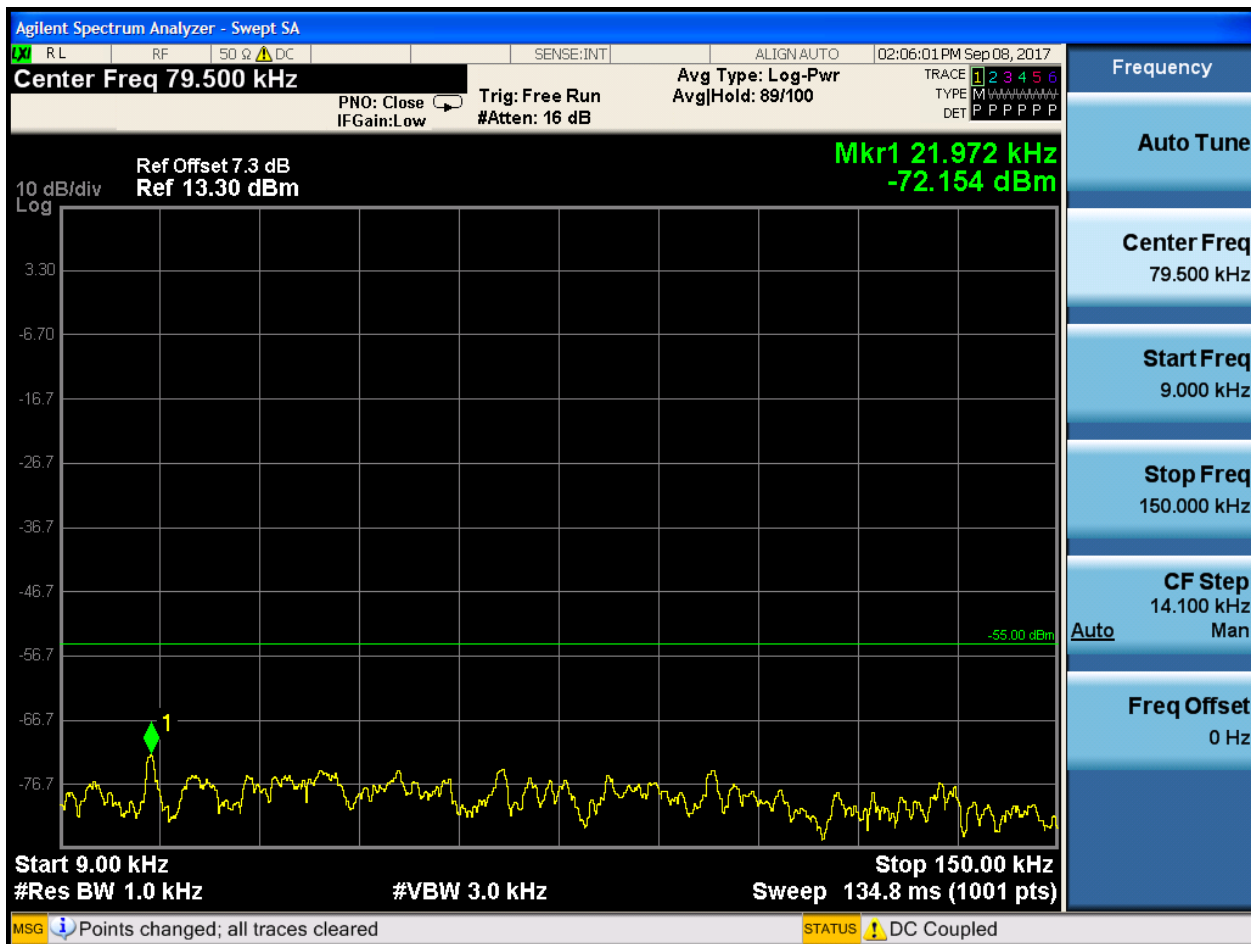


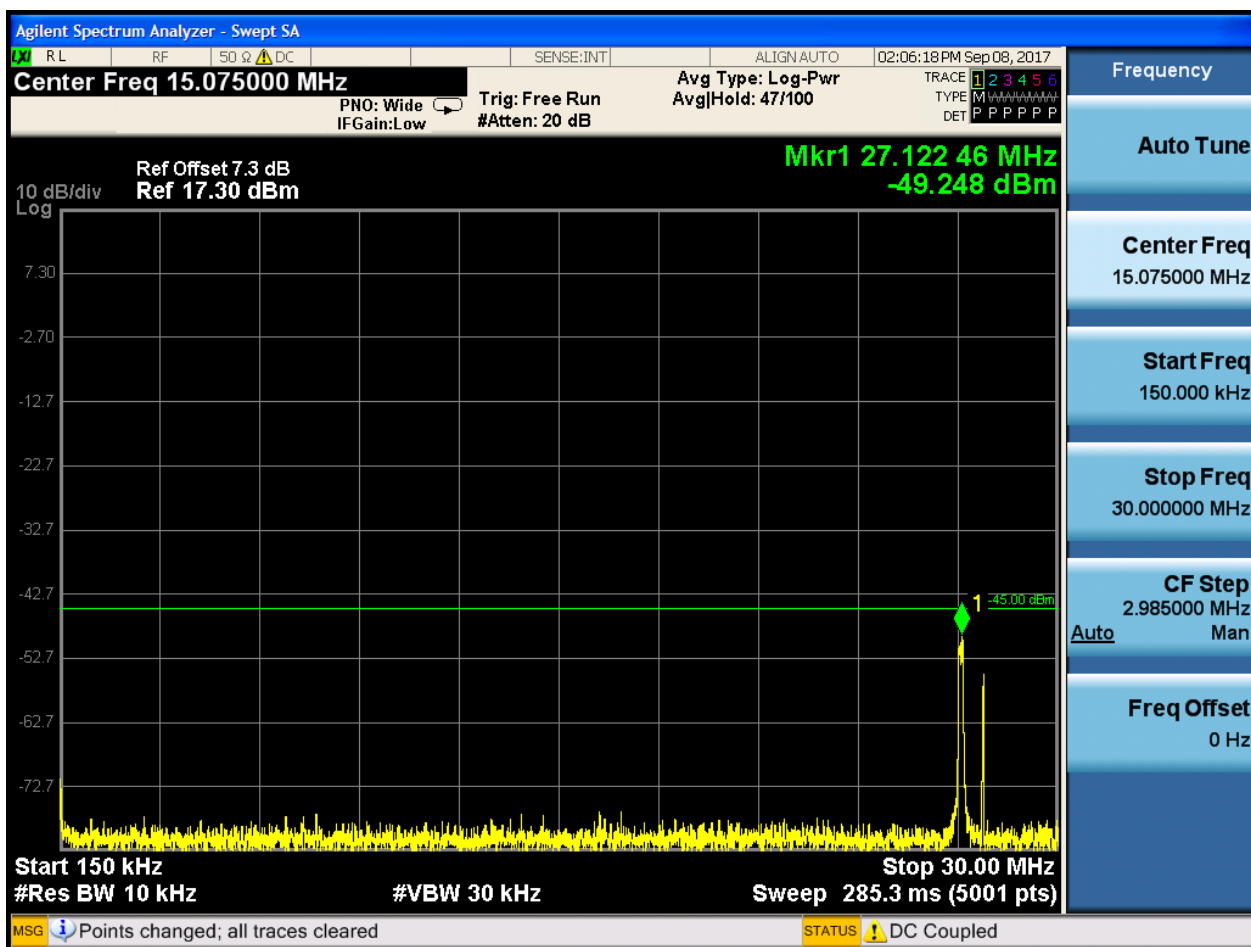


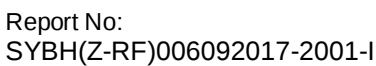


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

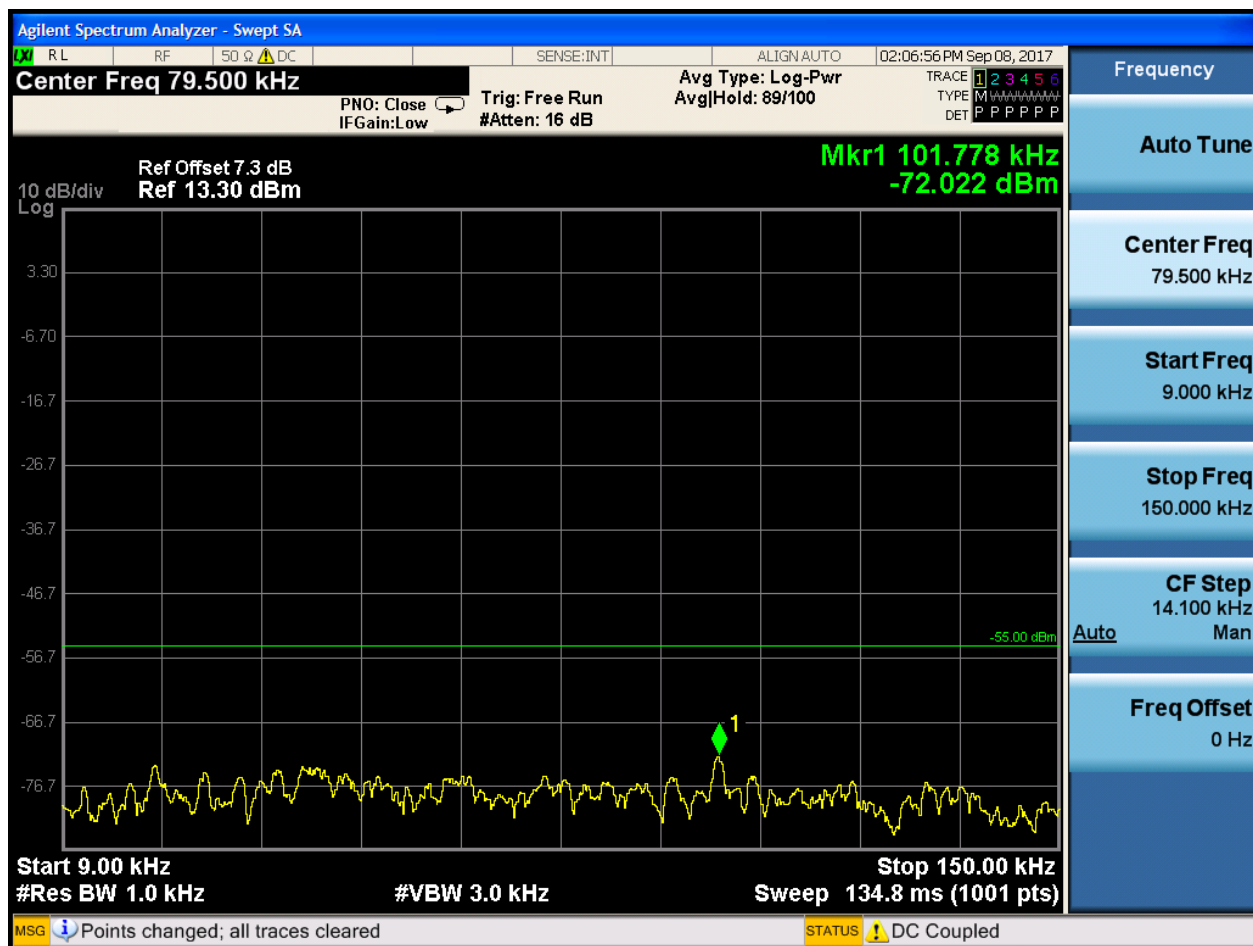


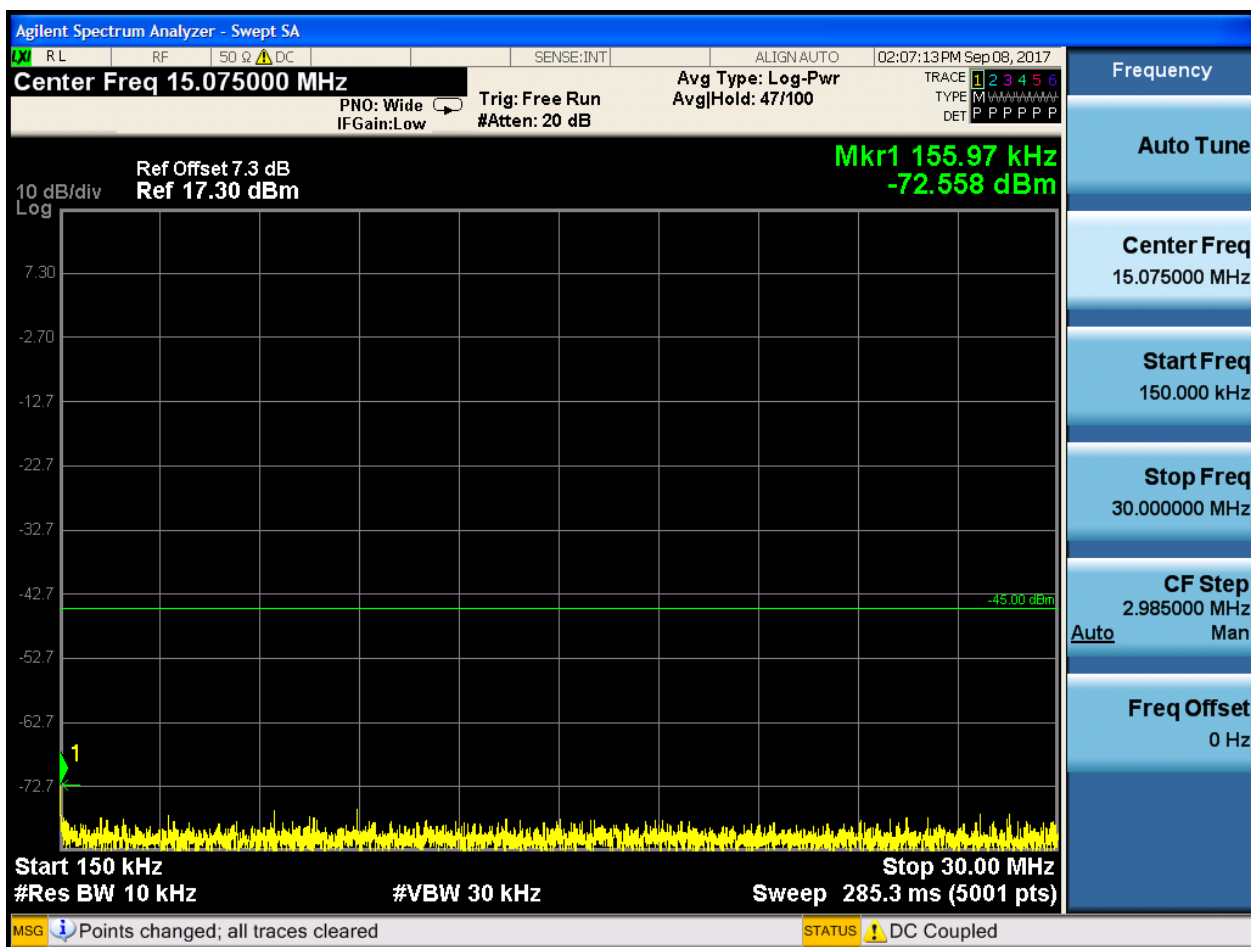


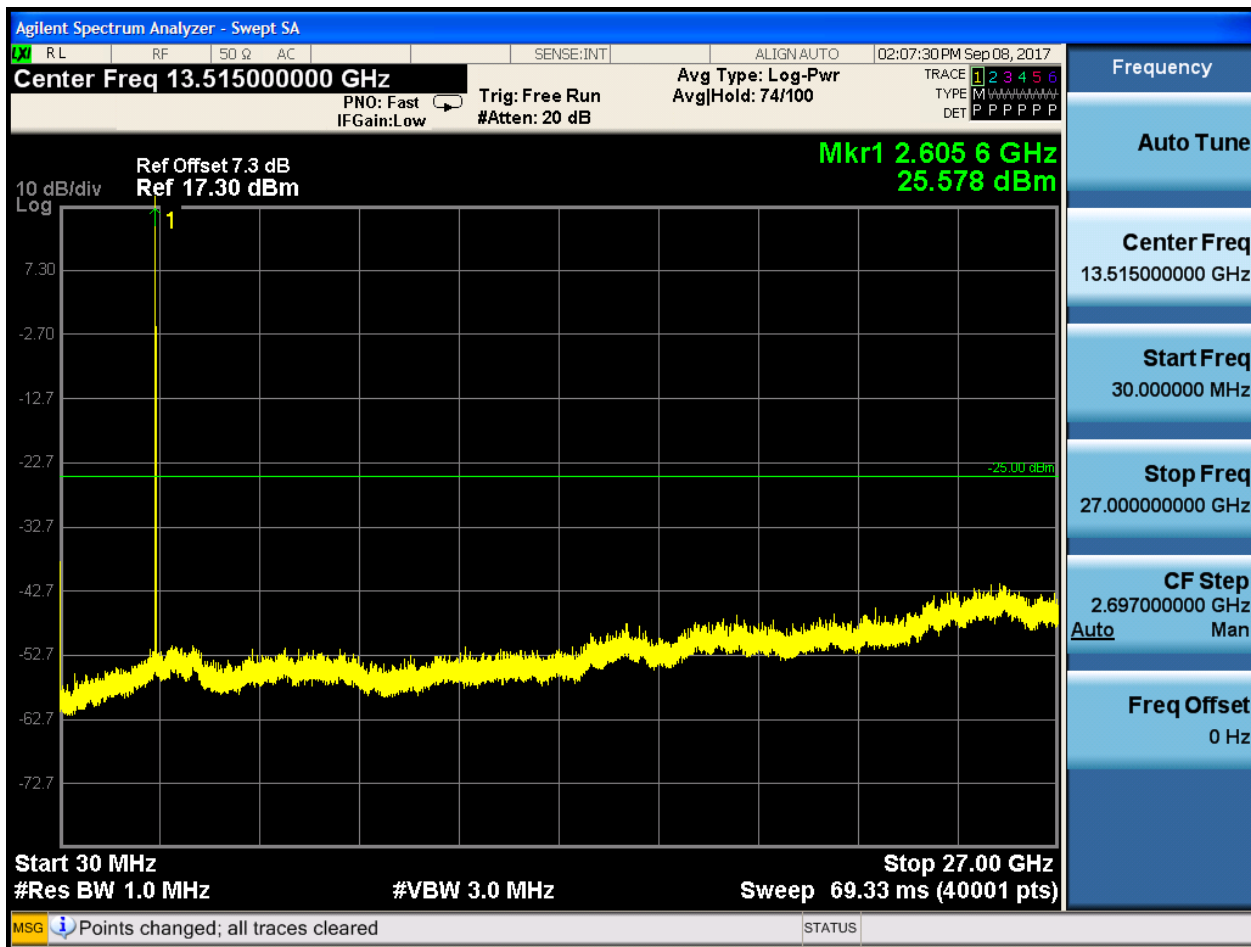


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



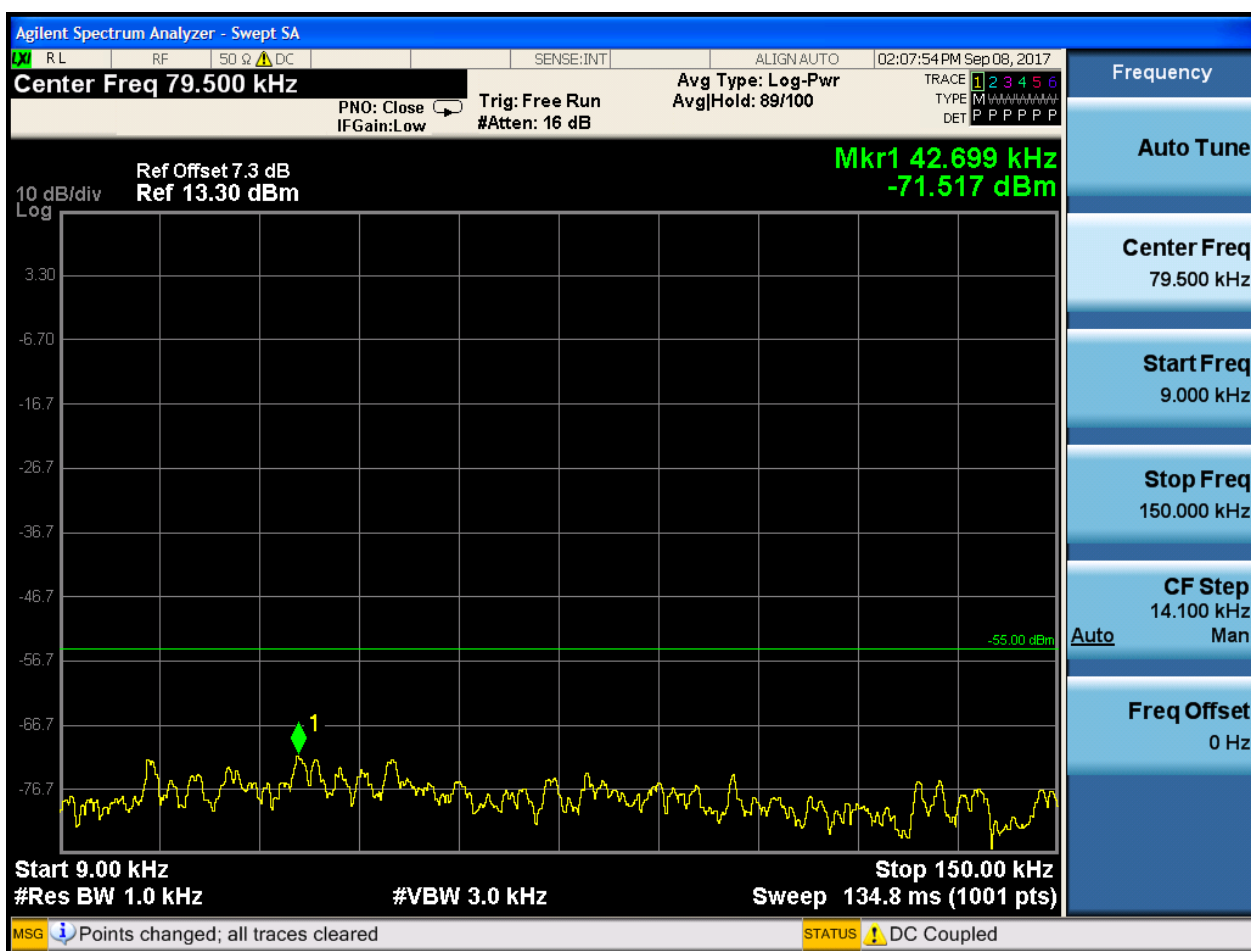


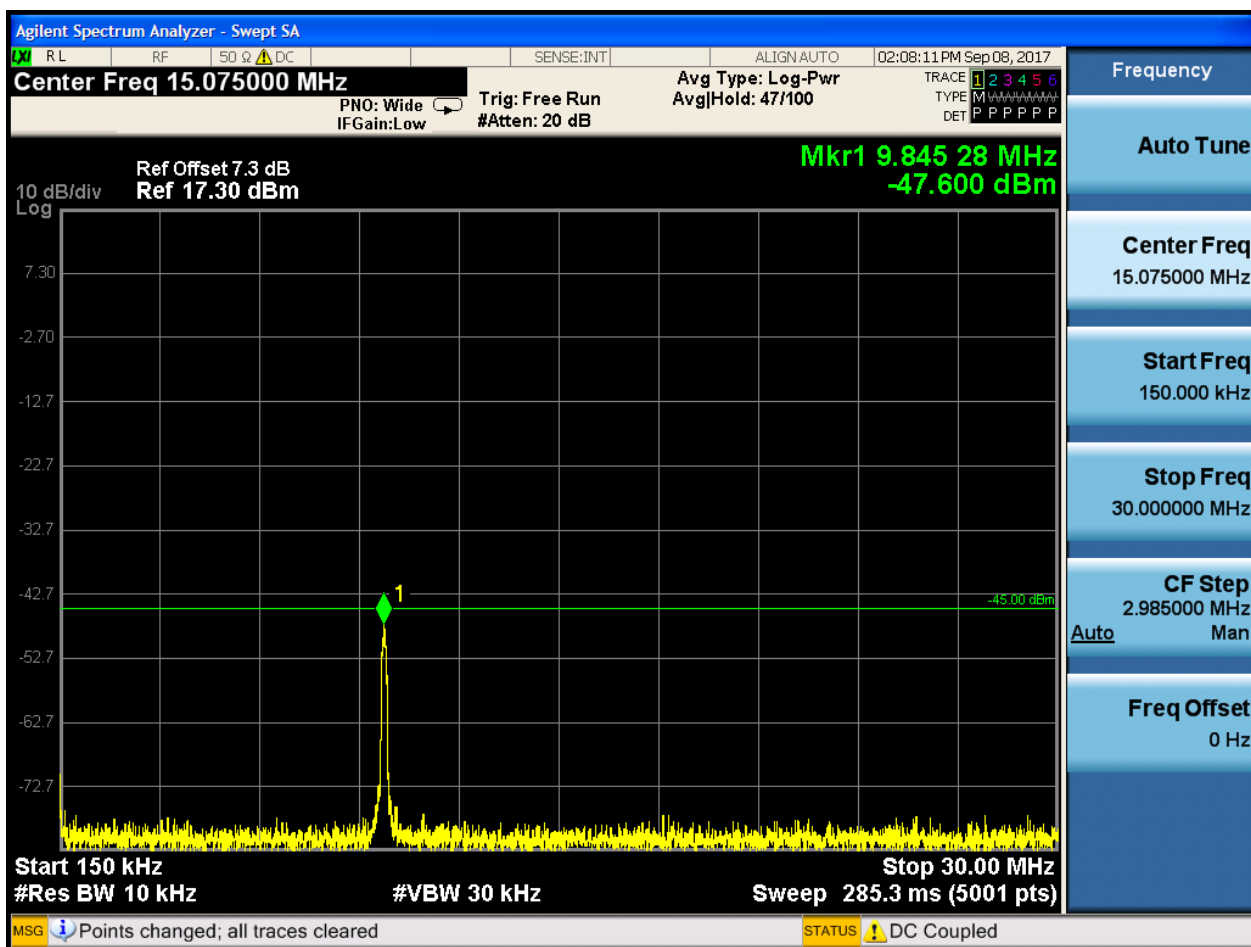


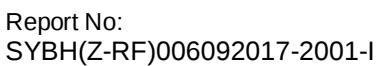
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

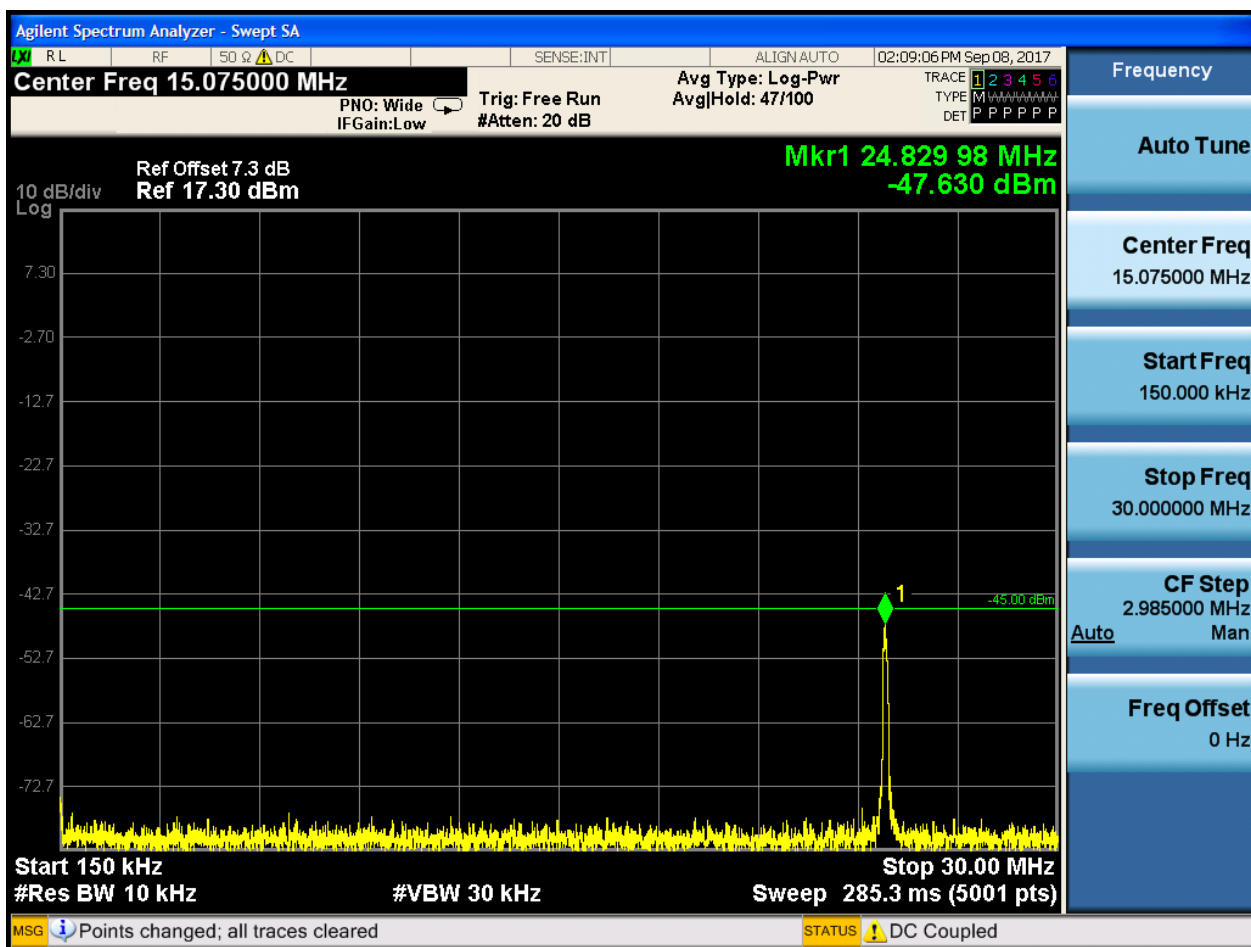
6.1.1.1.4.1.1 Test RB = RB1#0

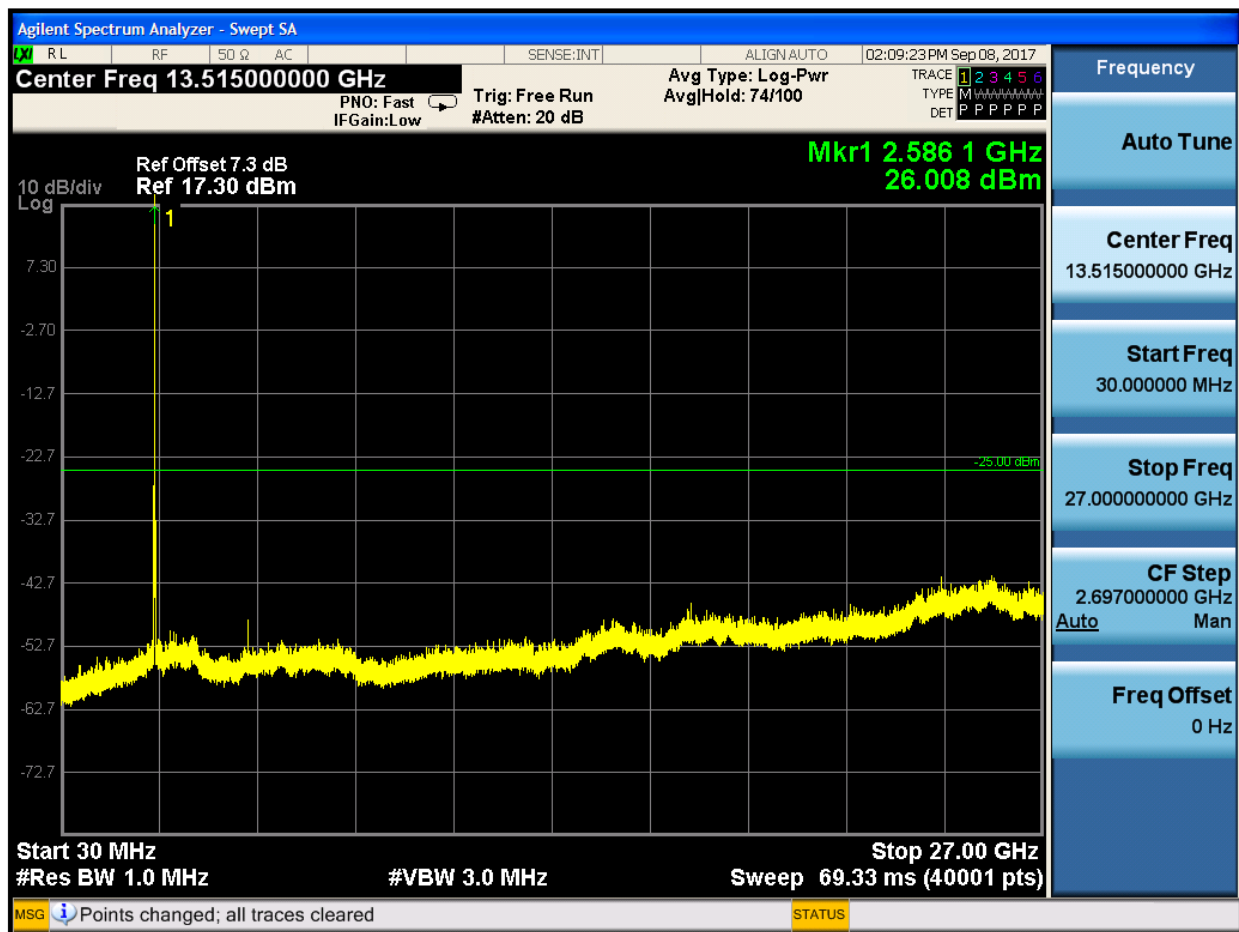








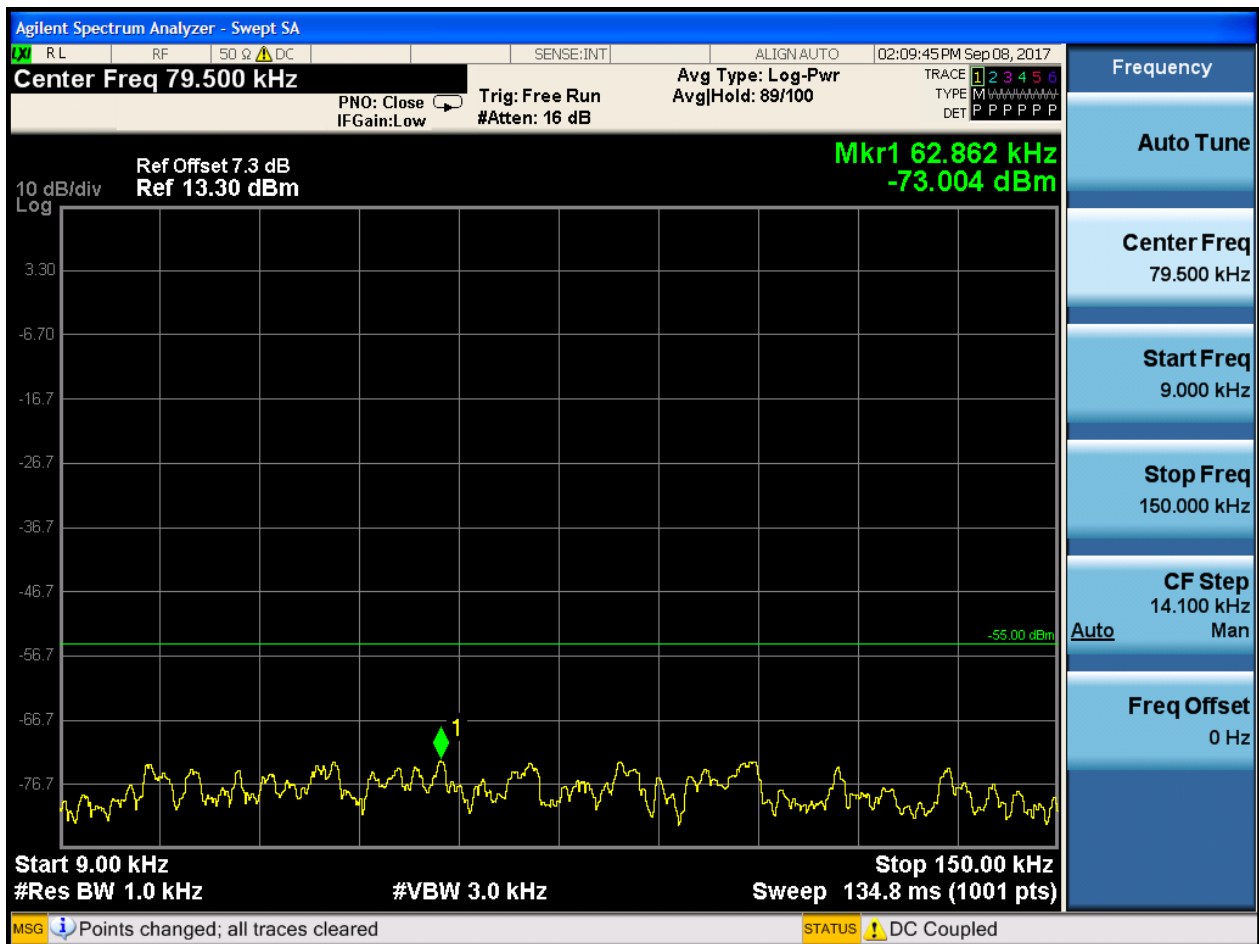


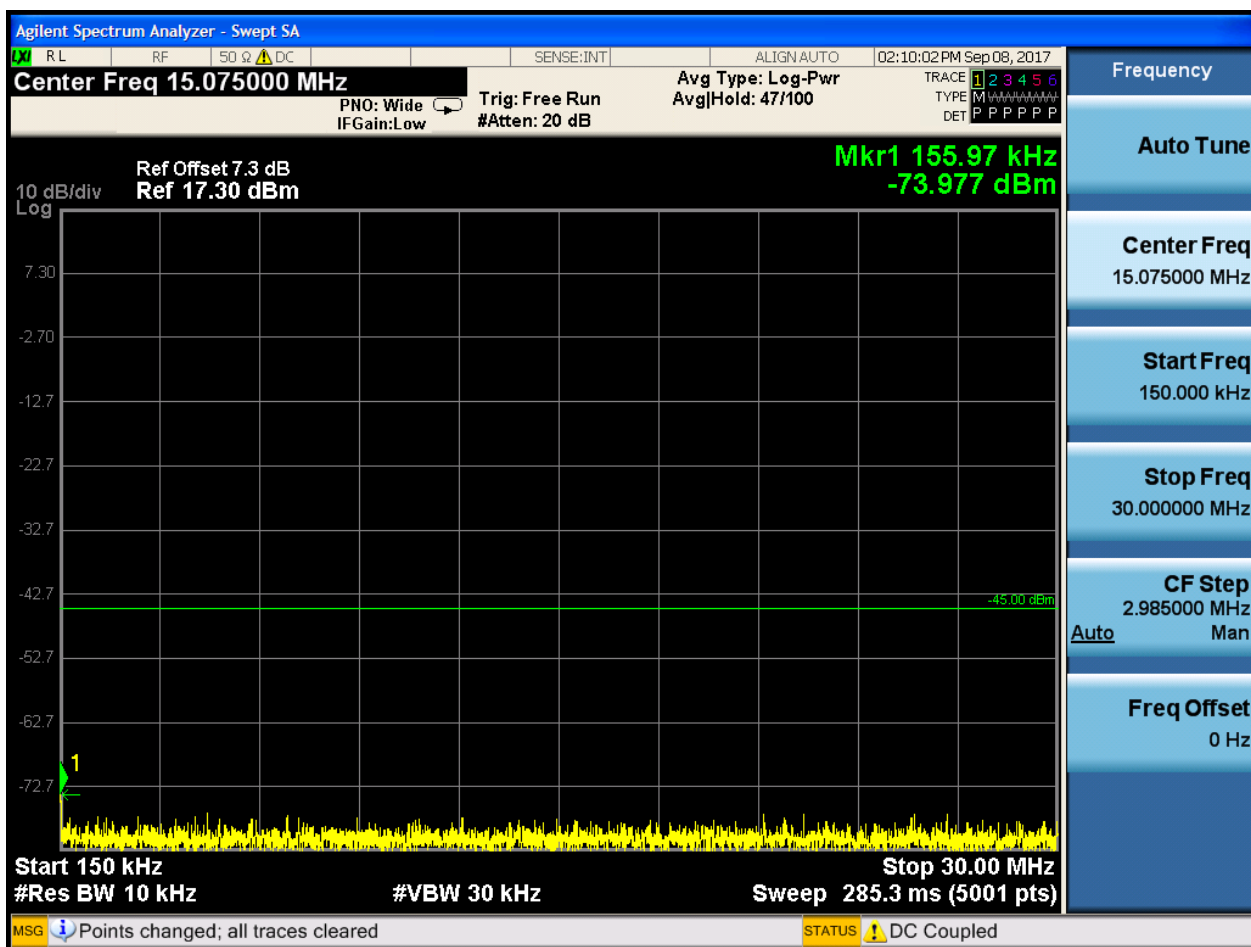


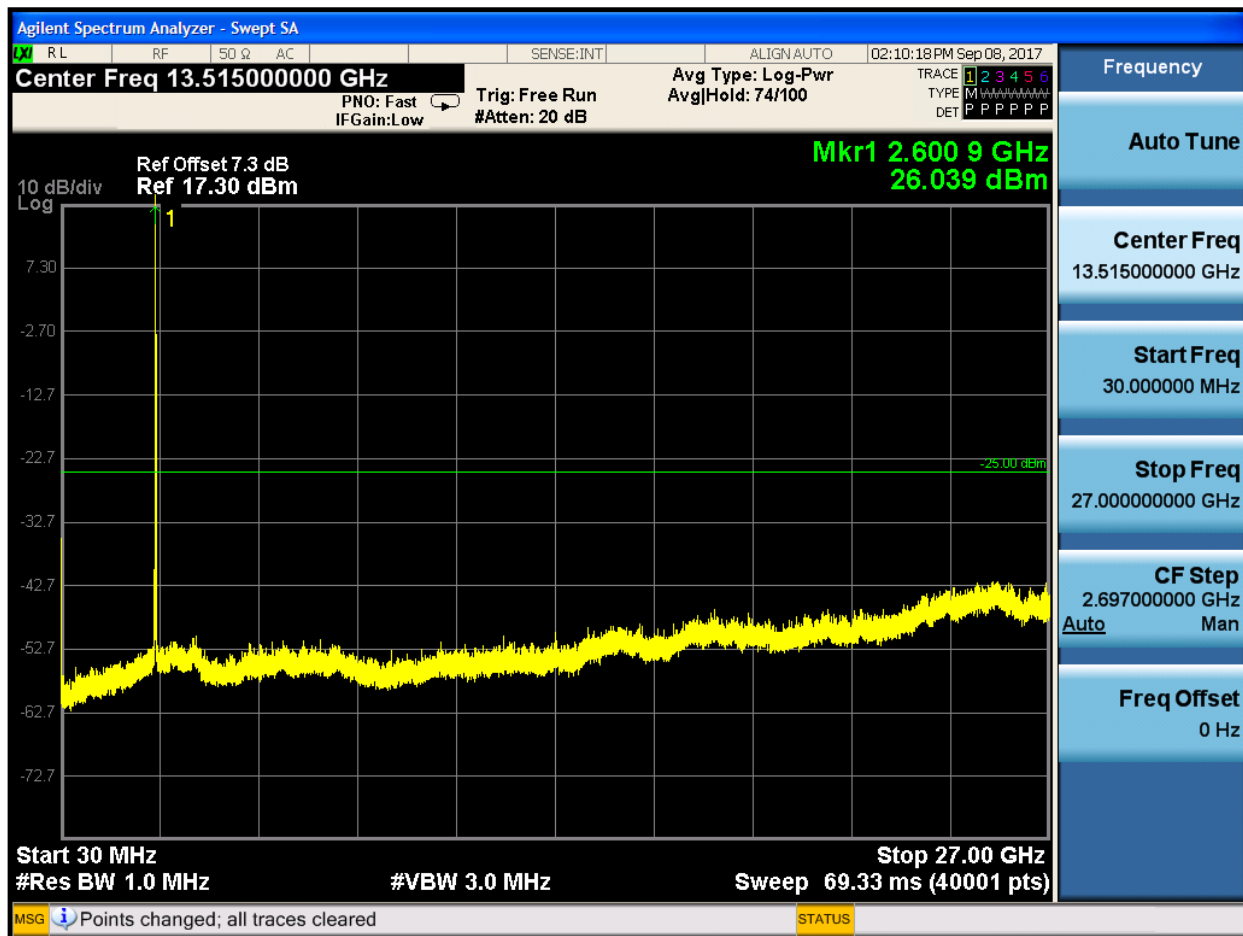


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







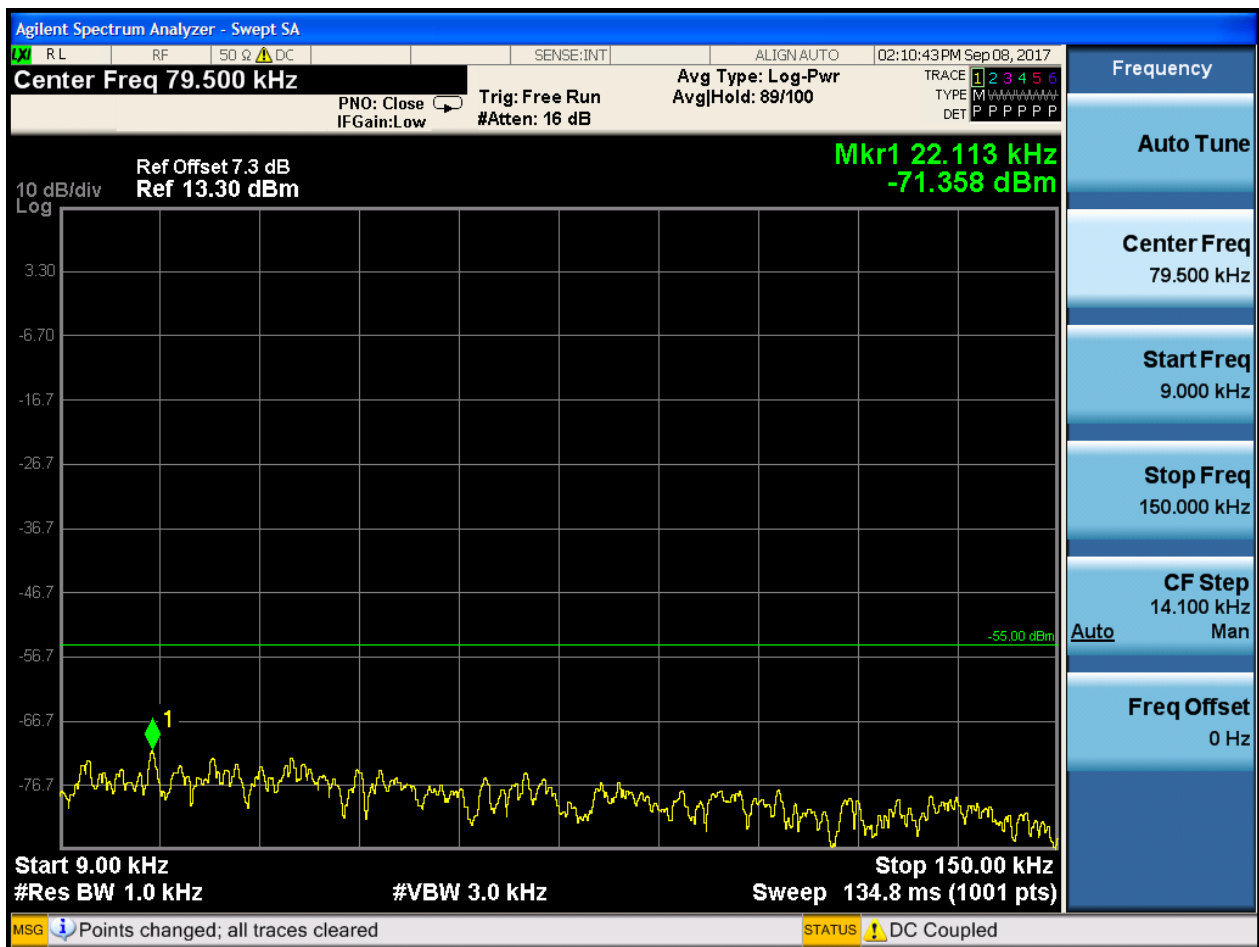


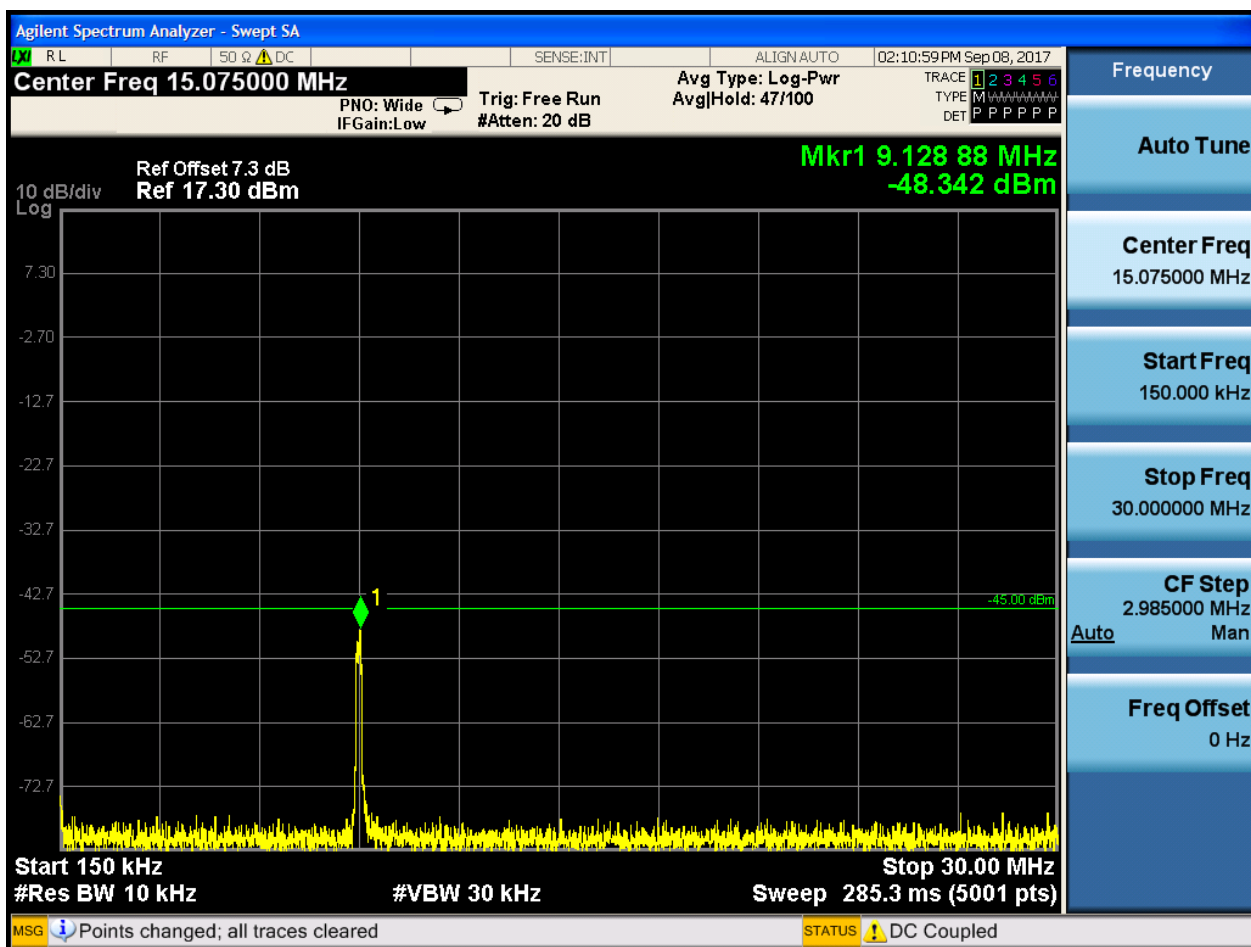
6.1.1.2 Test Mode = LTE/TM2

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

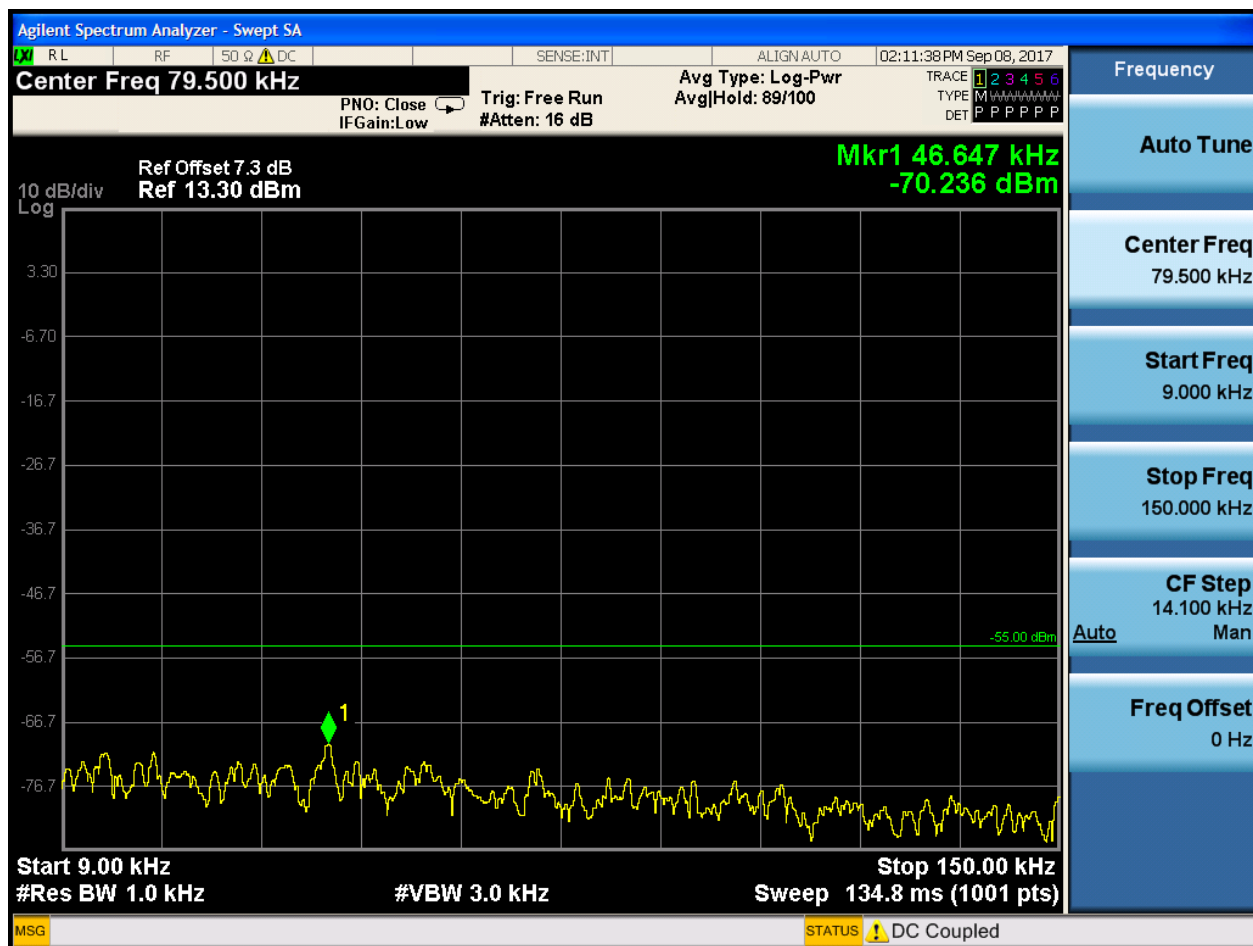


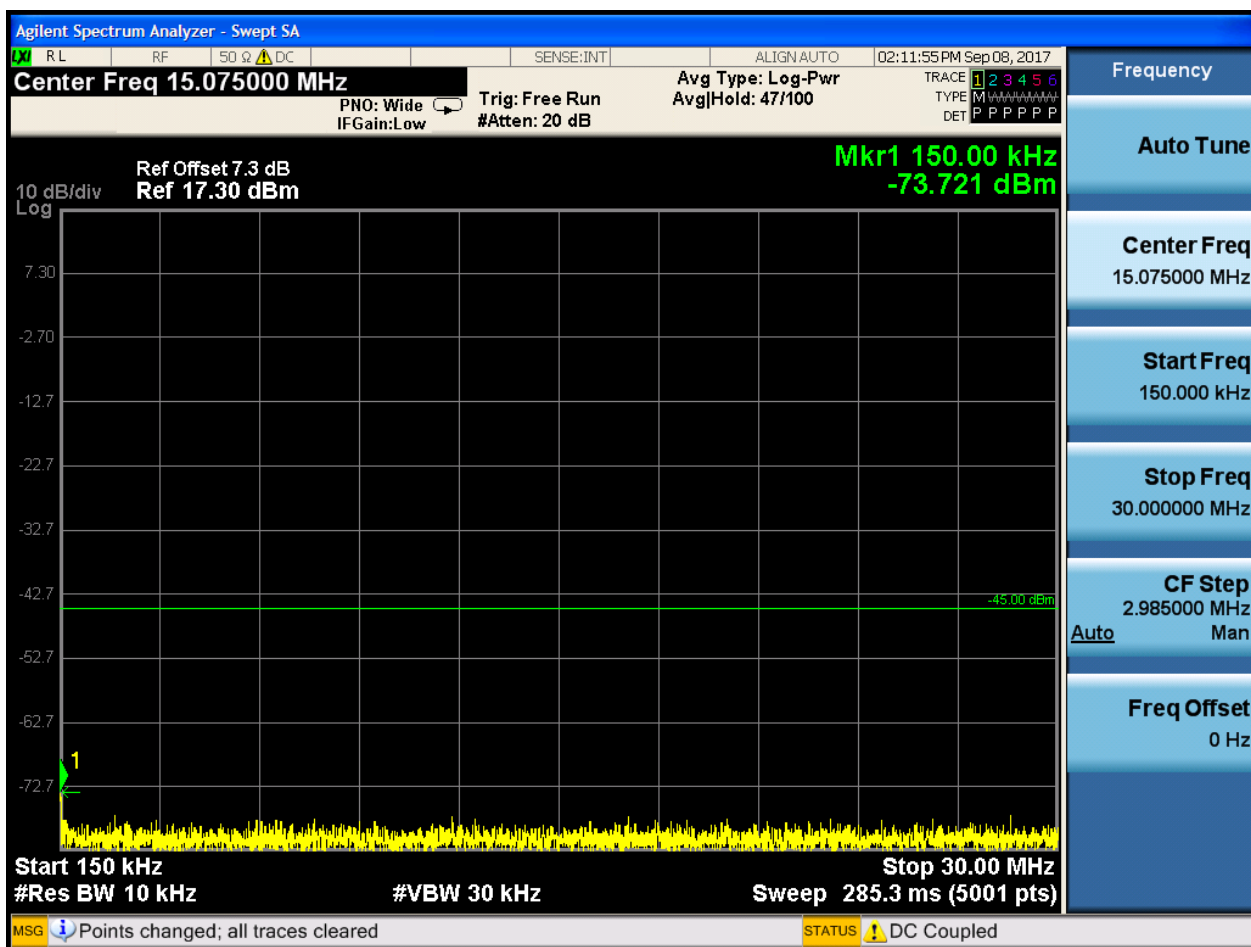


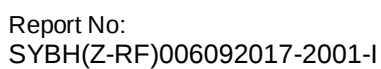


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



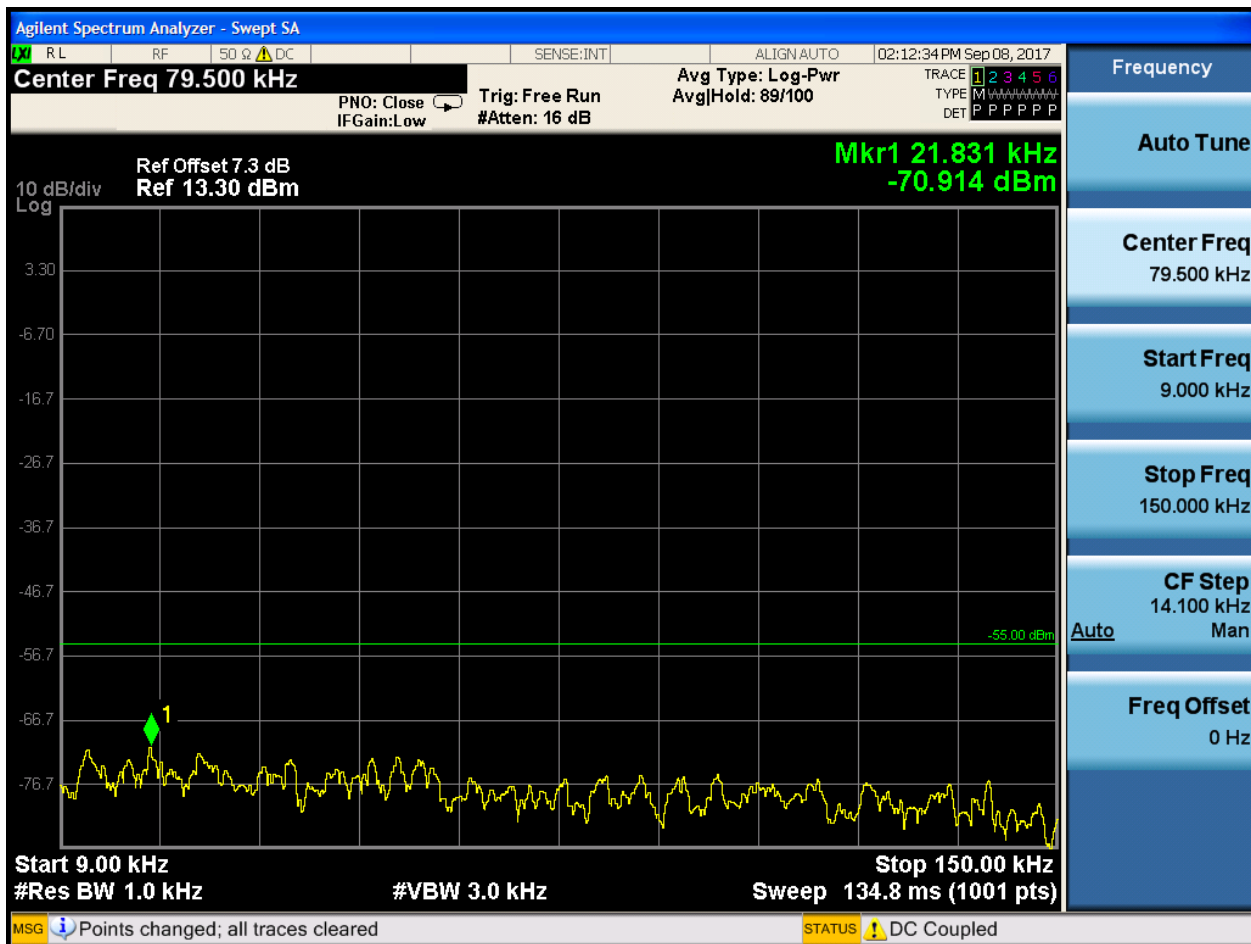


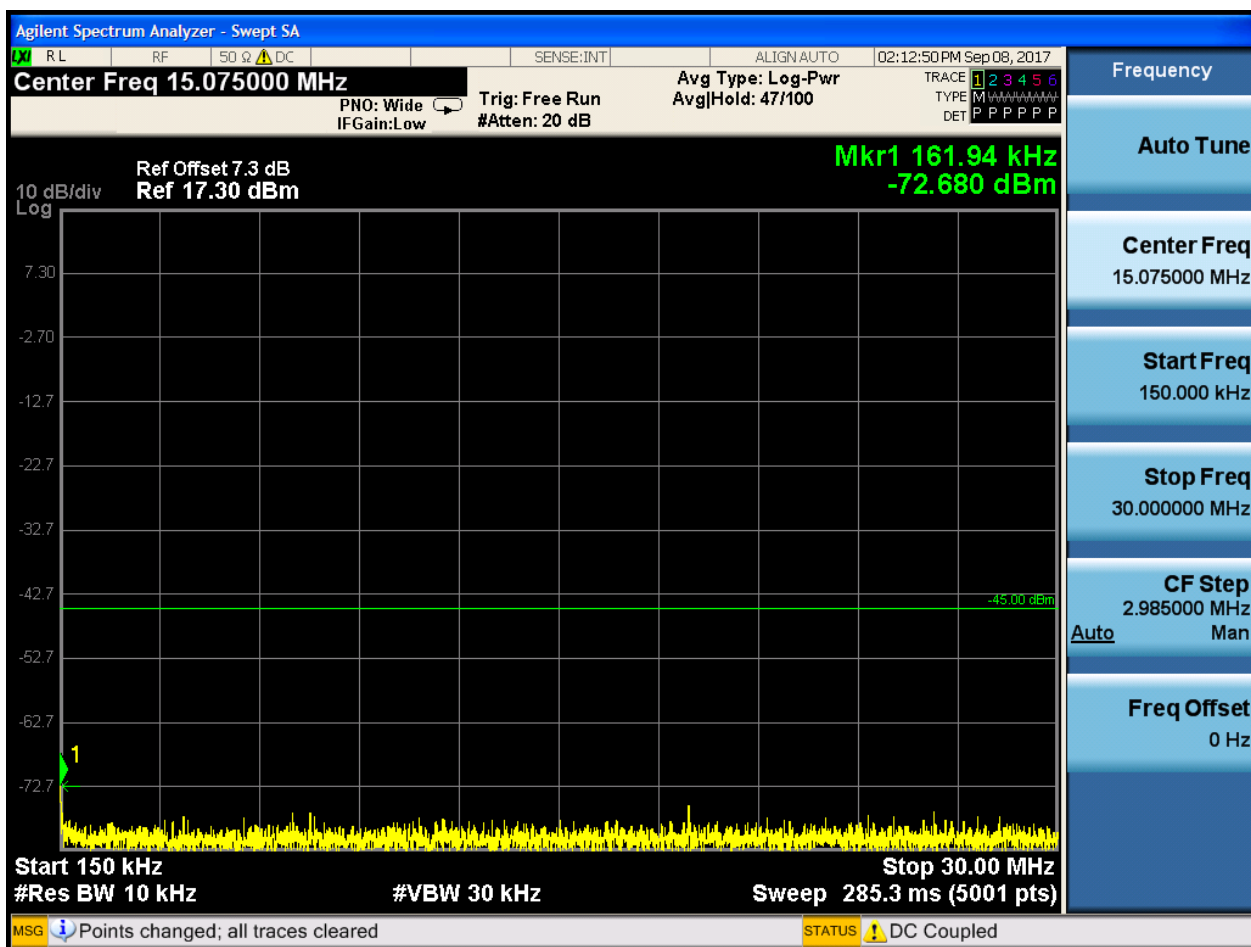




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



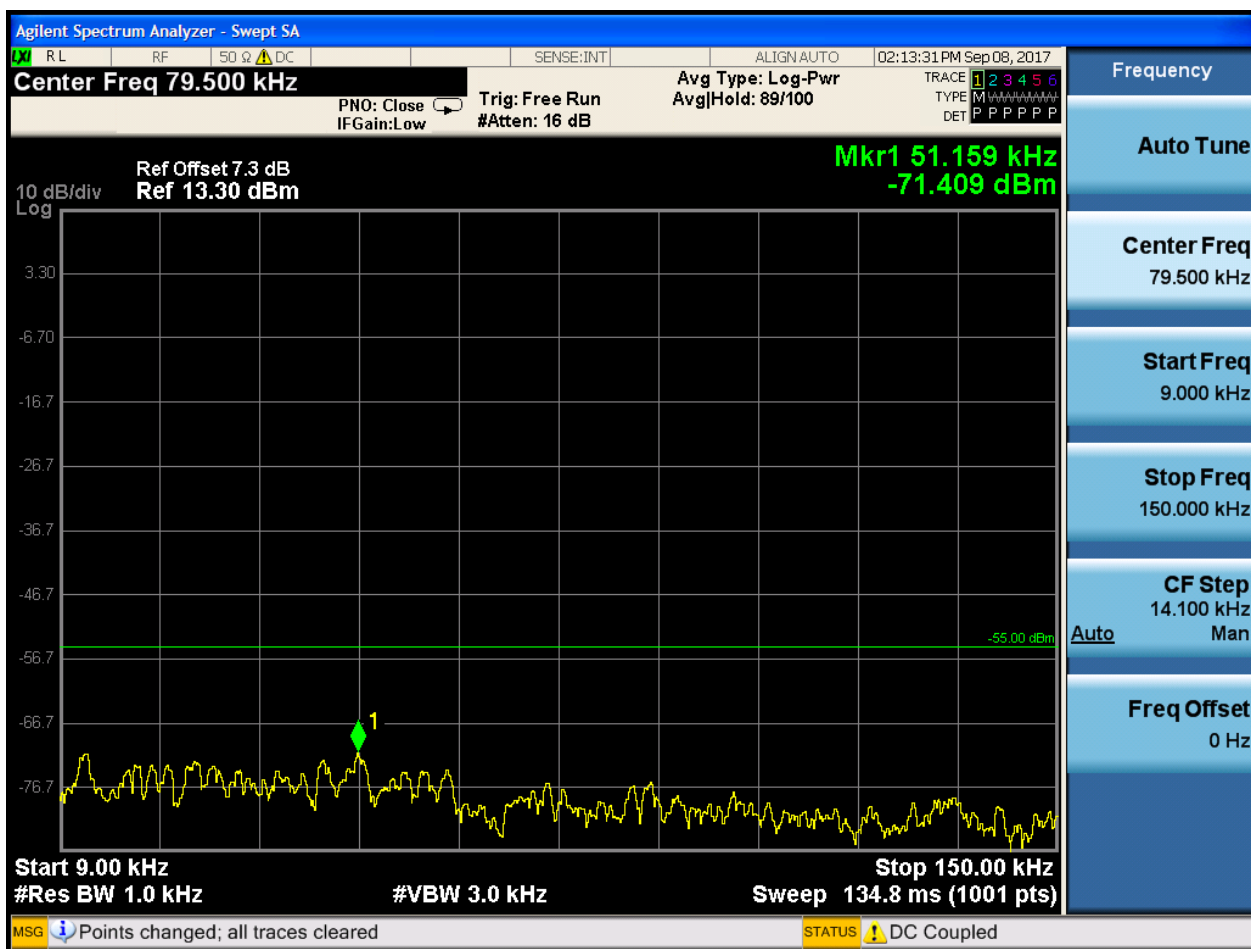


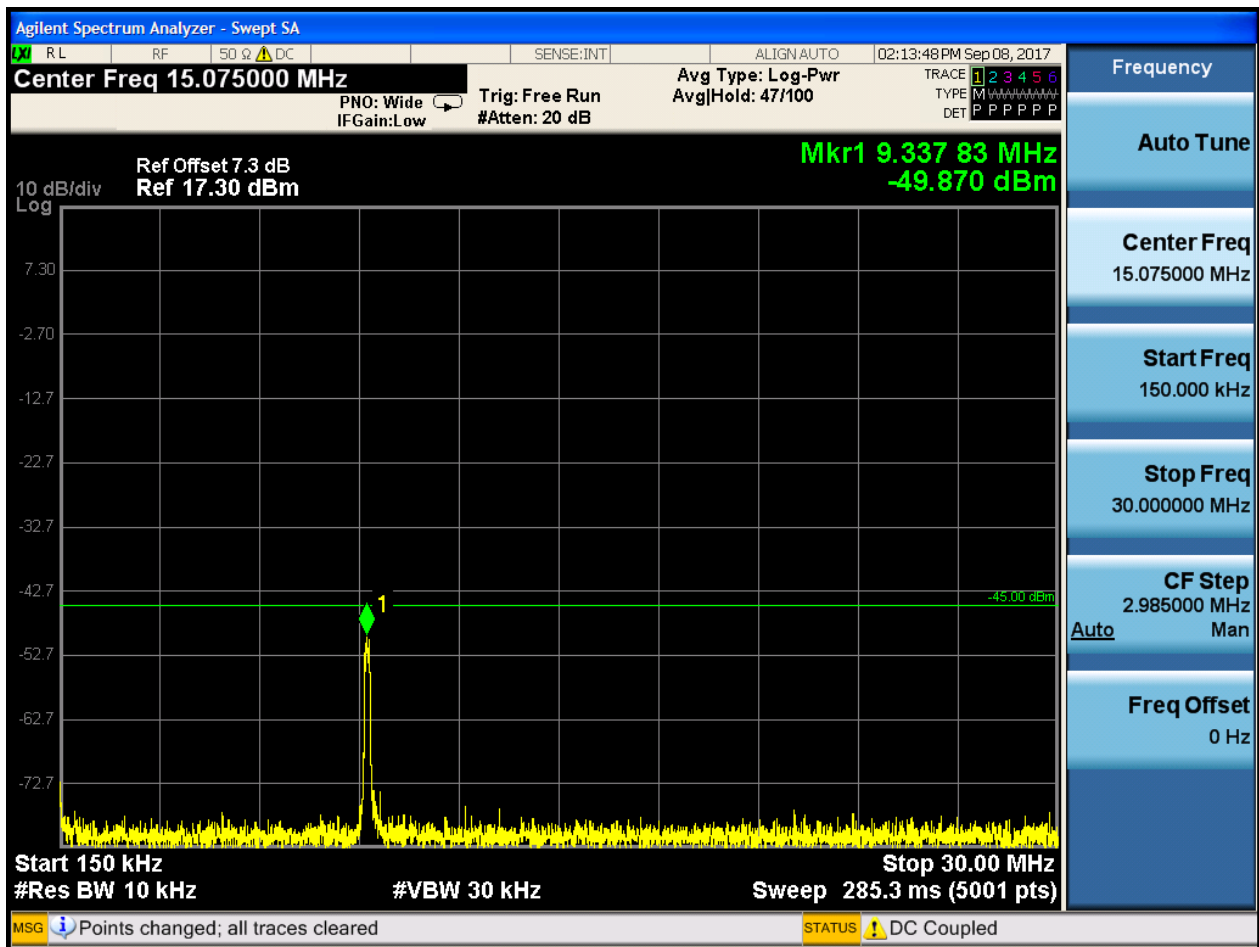


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



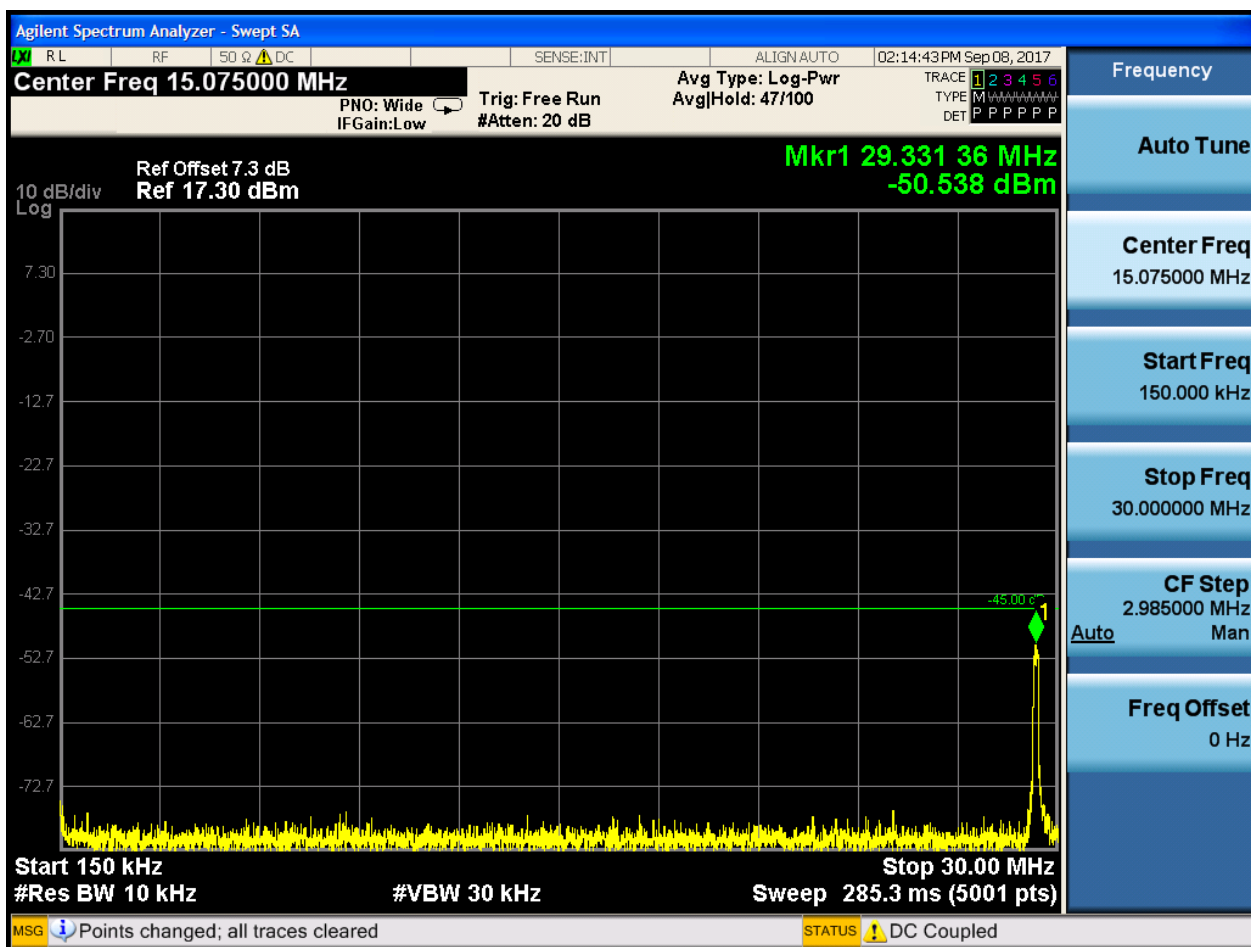




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

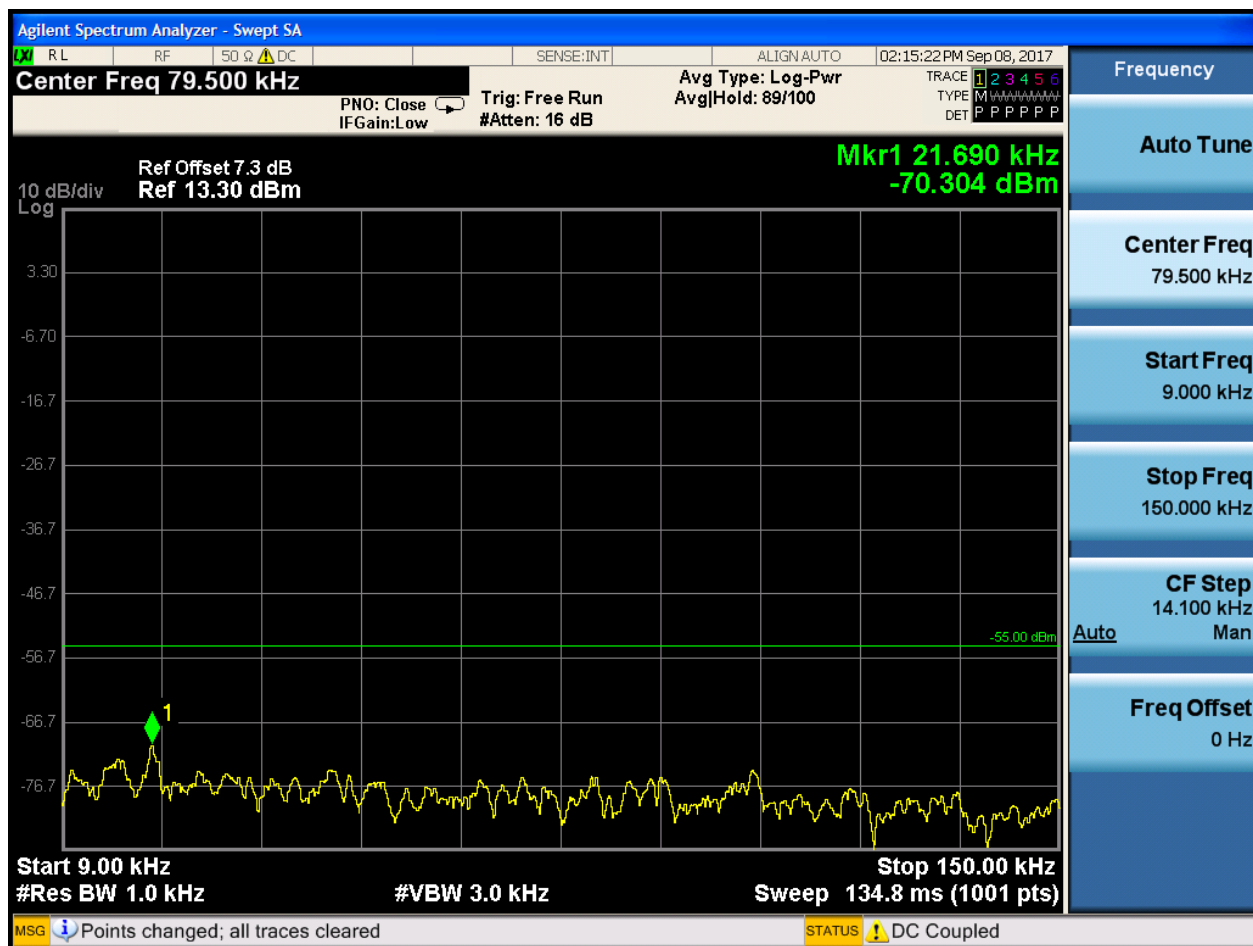


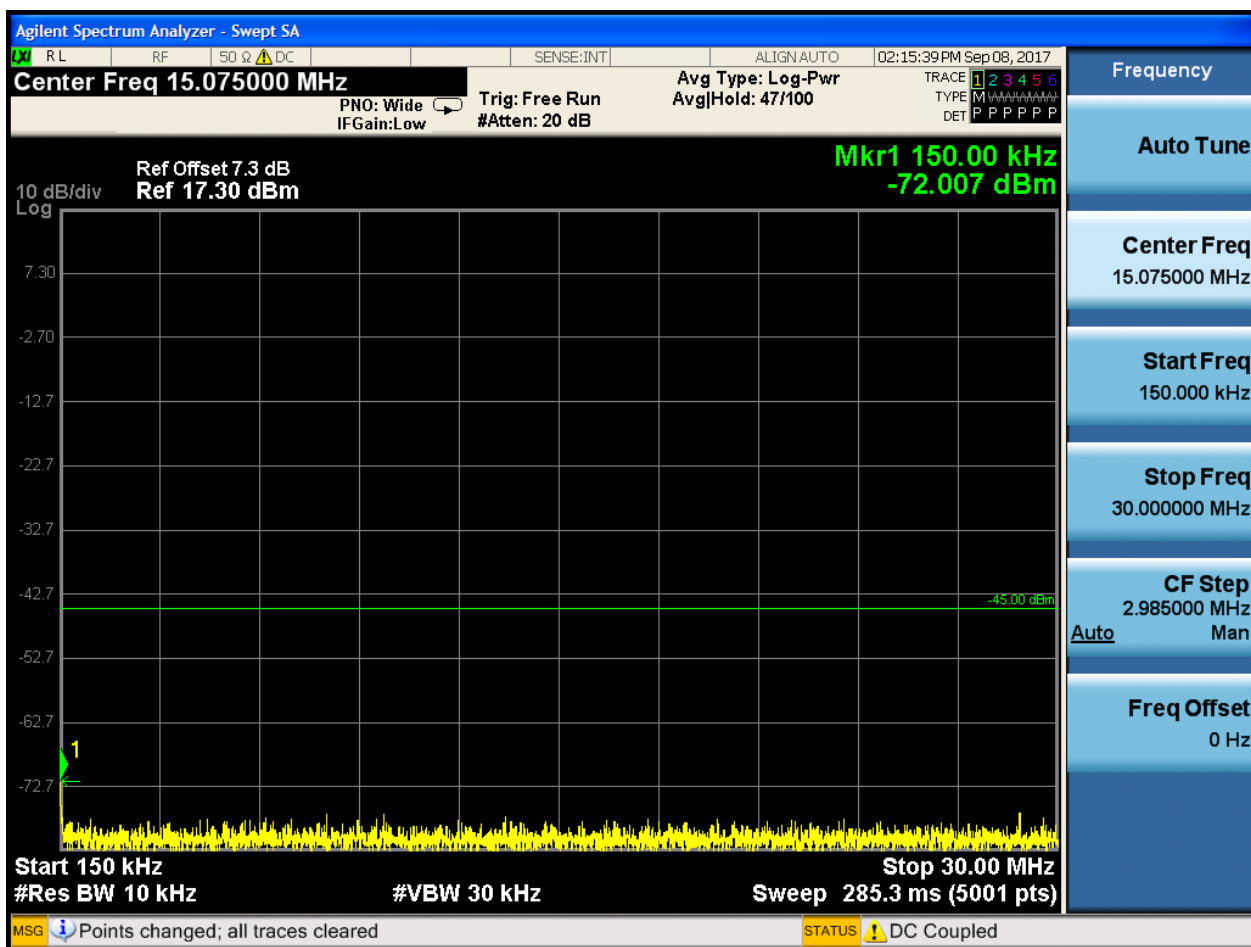




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0

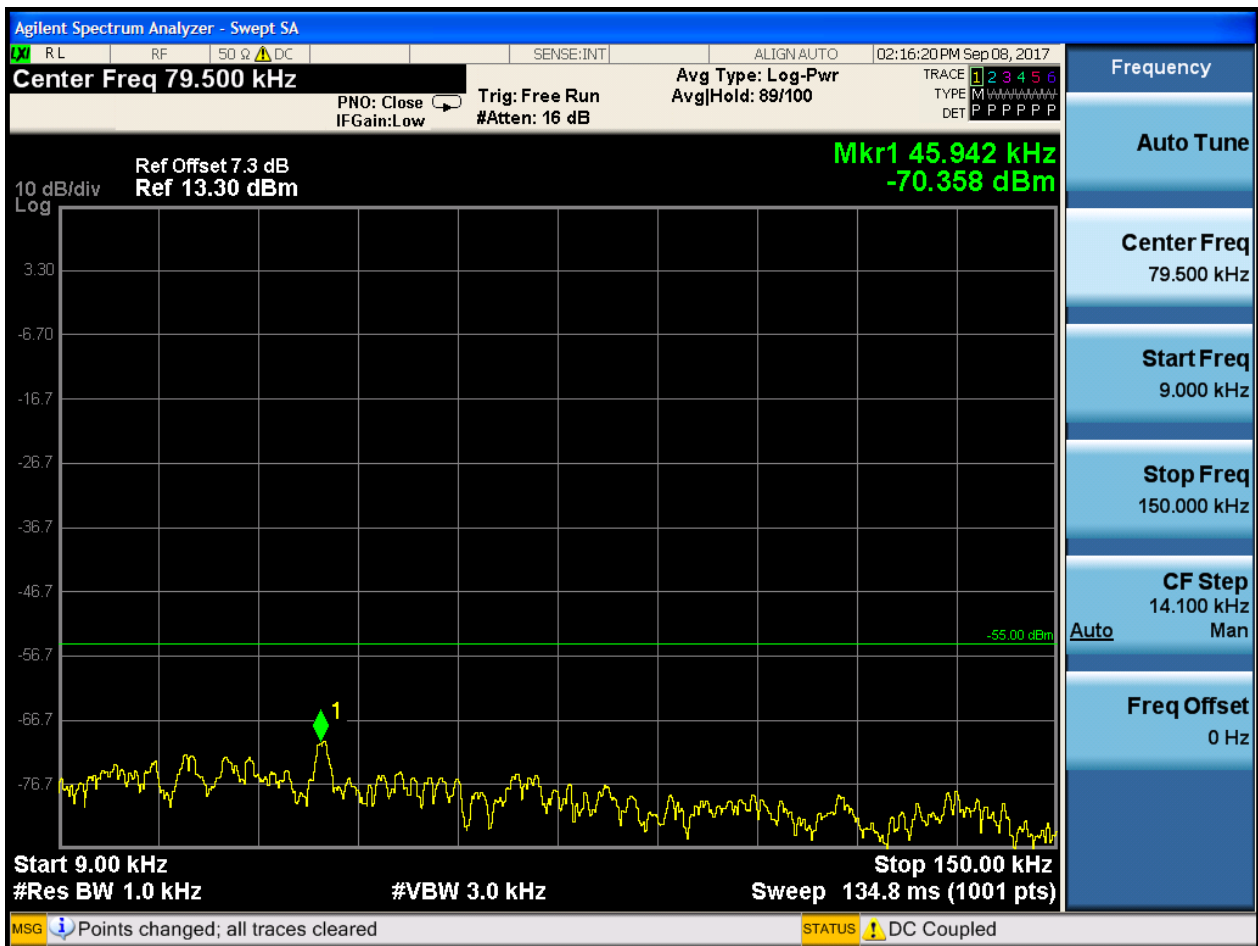


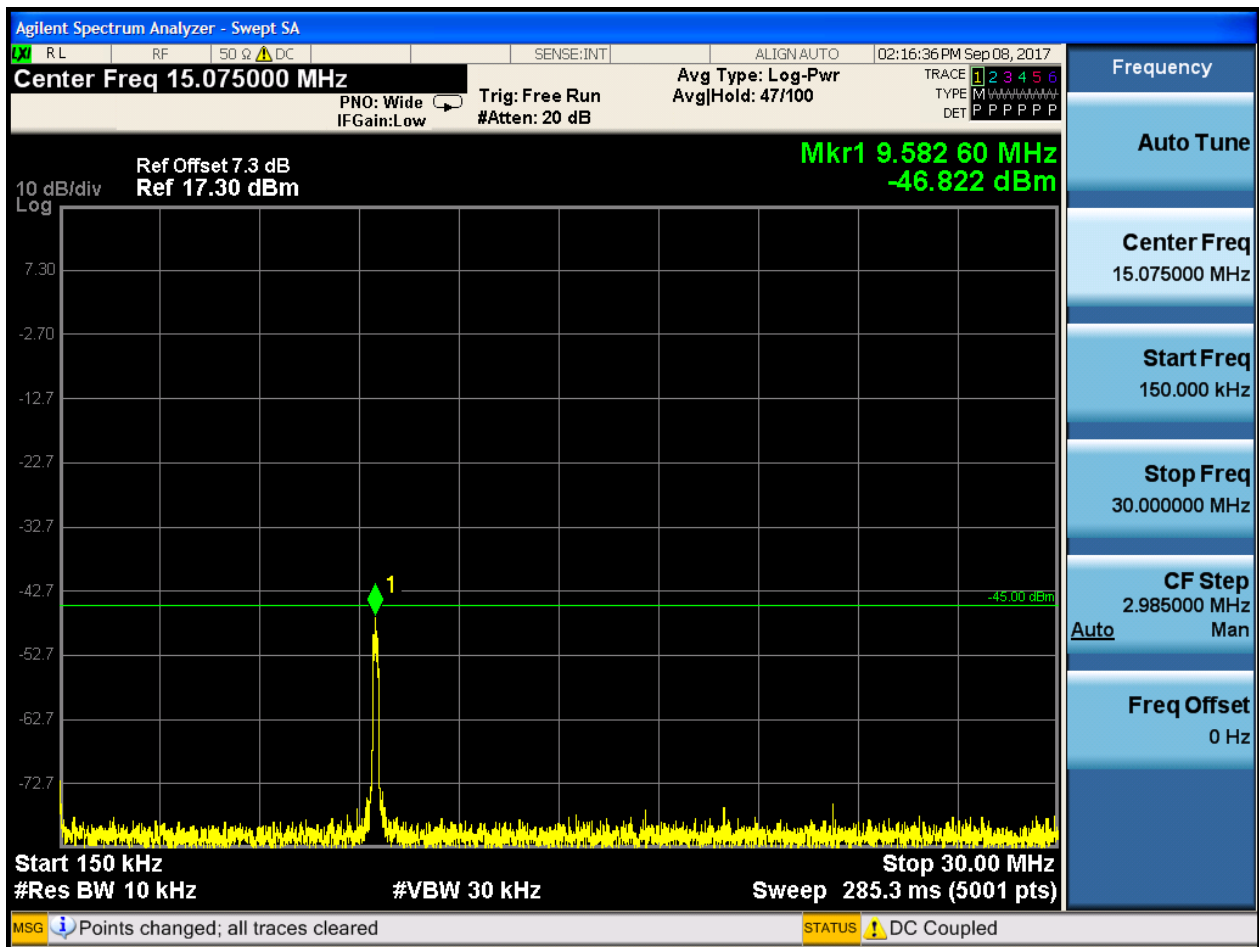


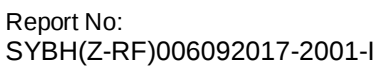




6.1.1.2.3.1.1 Test RB = RB1#0



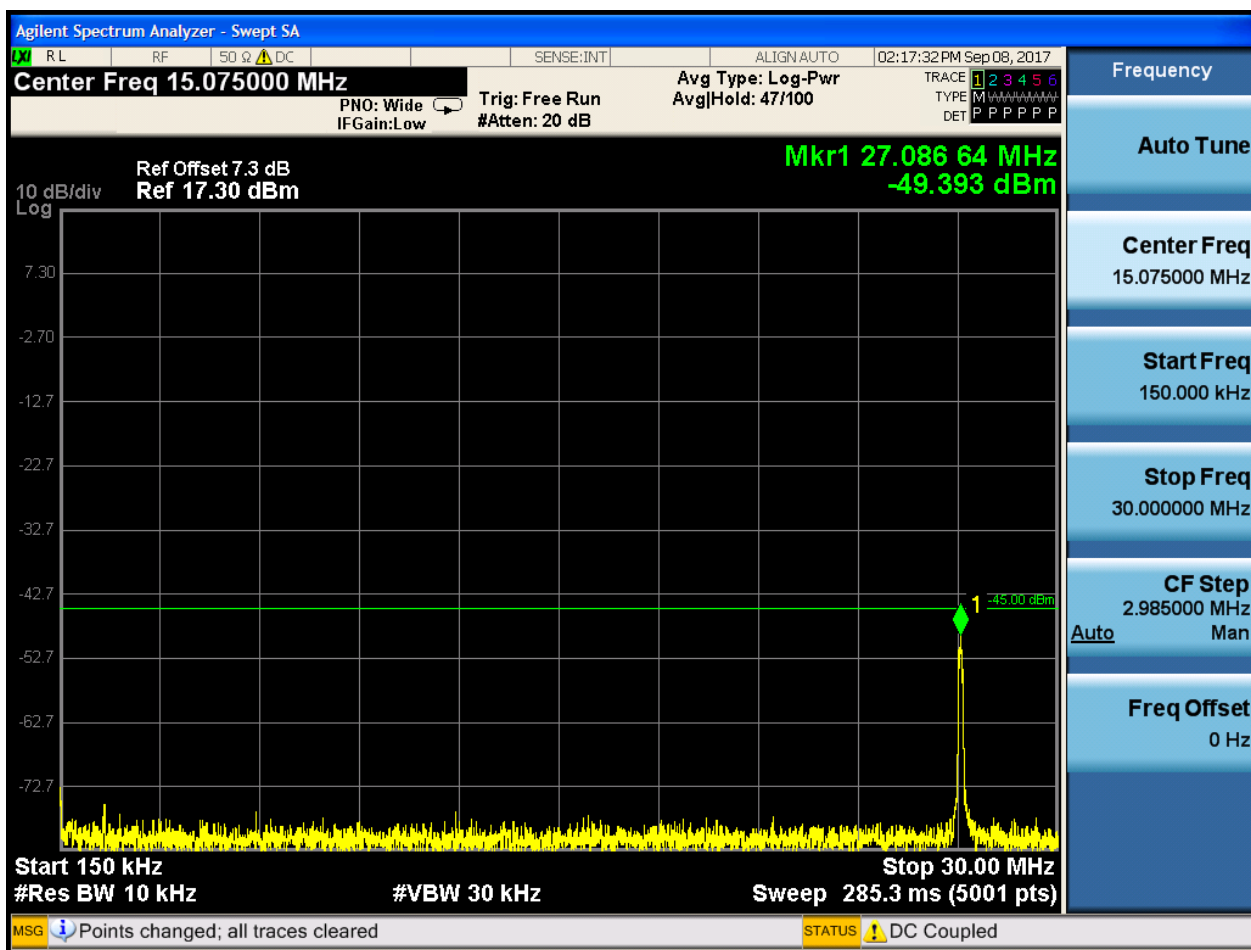




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



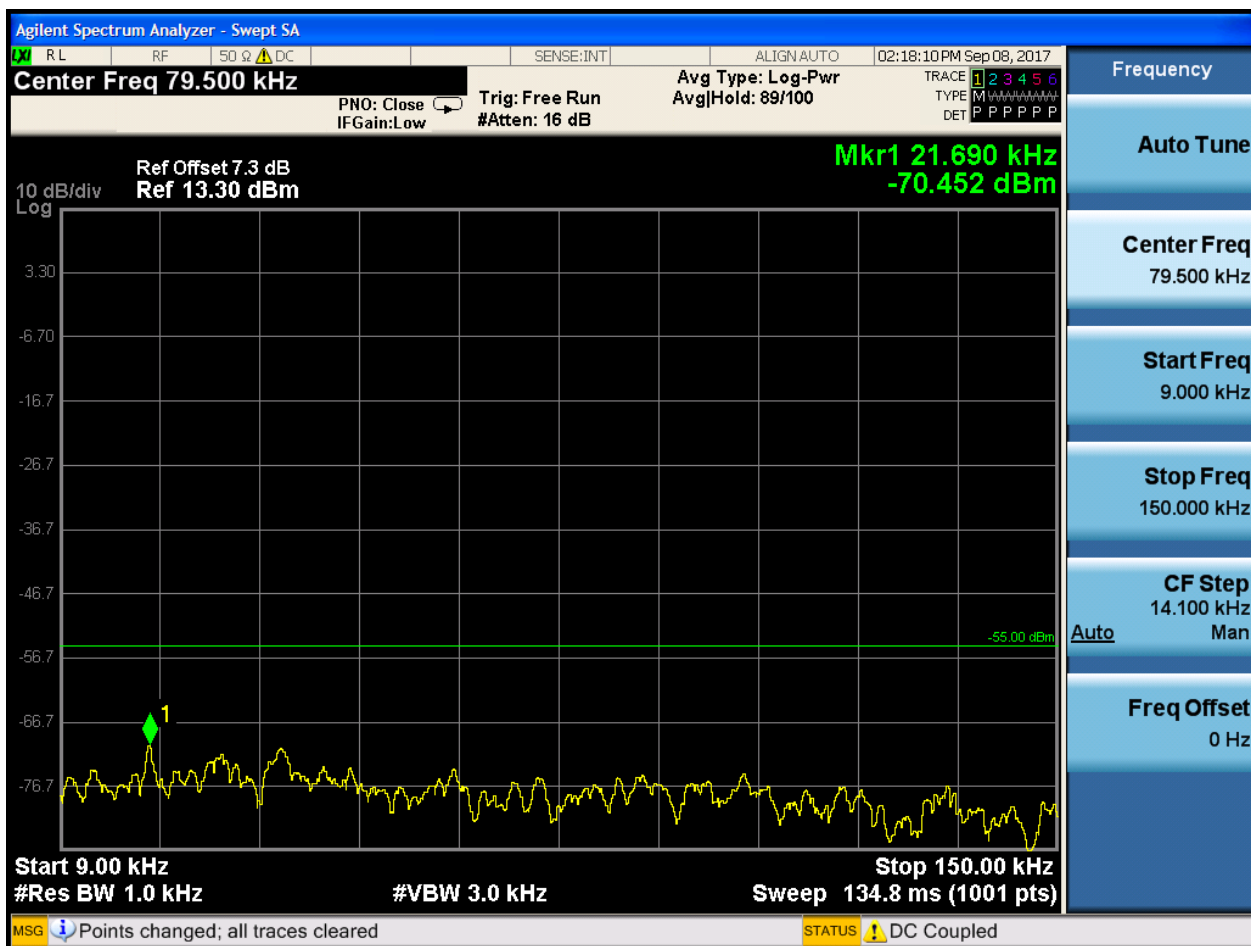


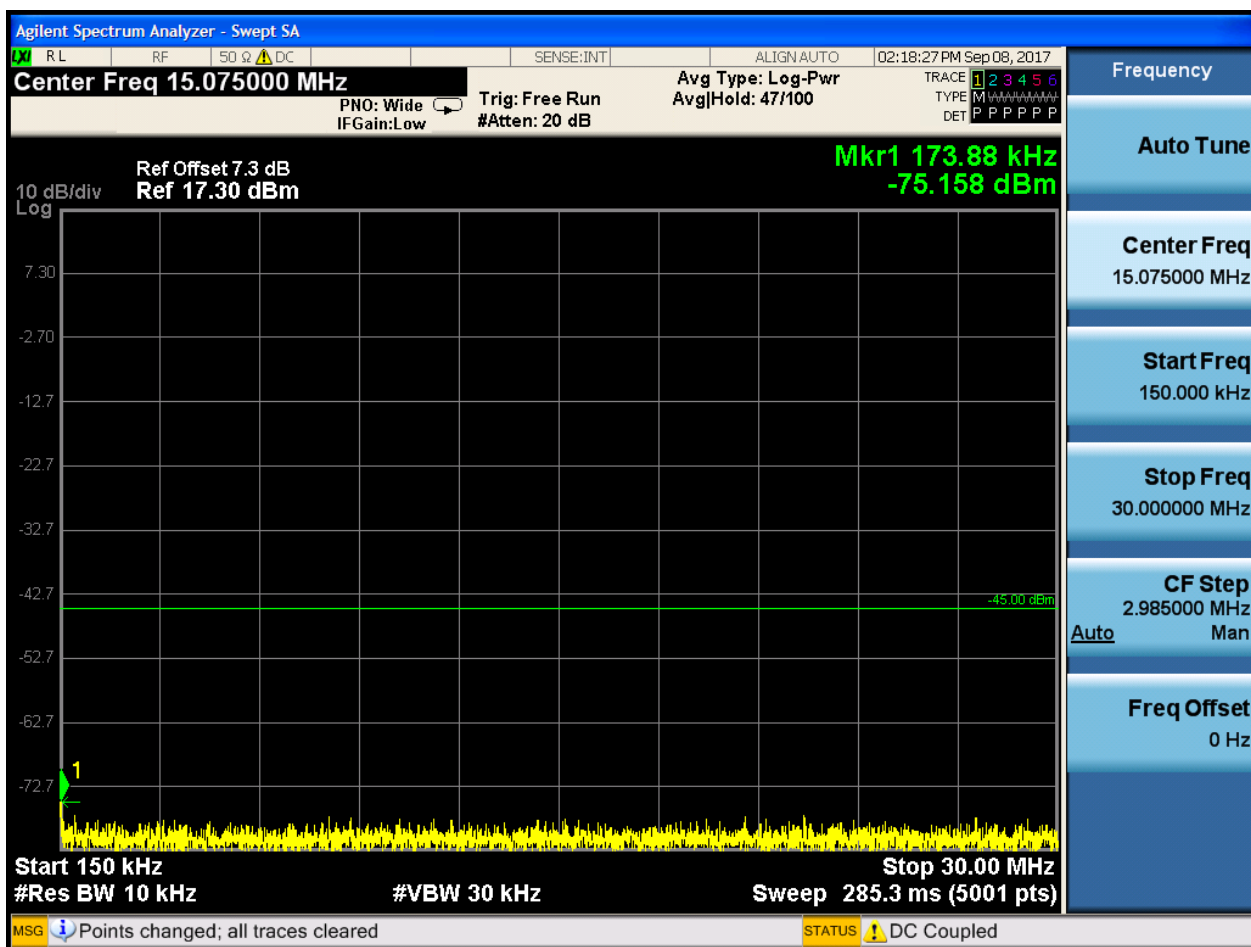


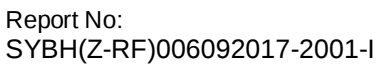


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



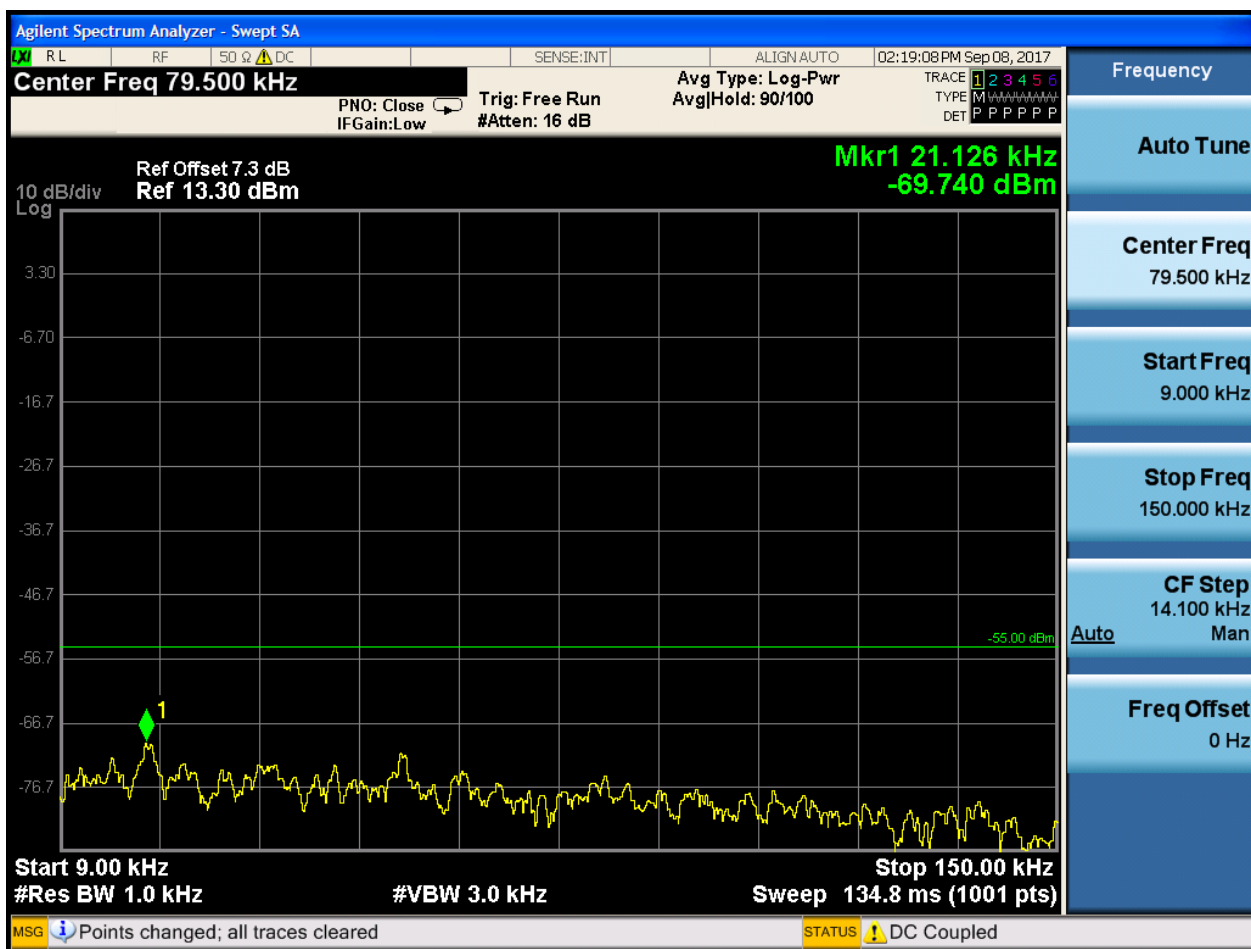


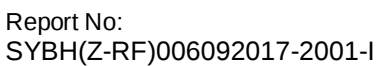


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

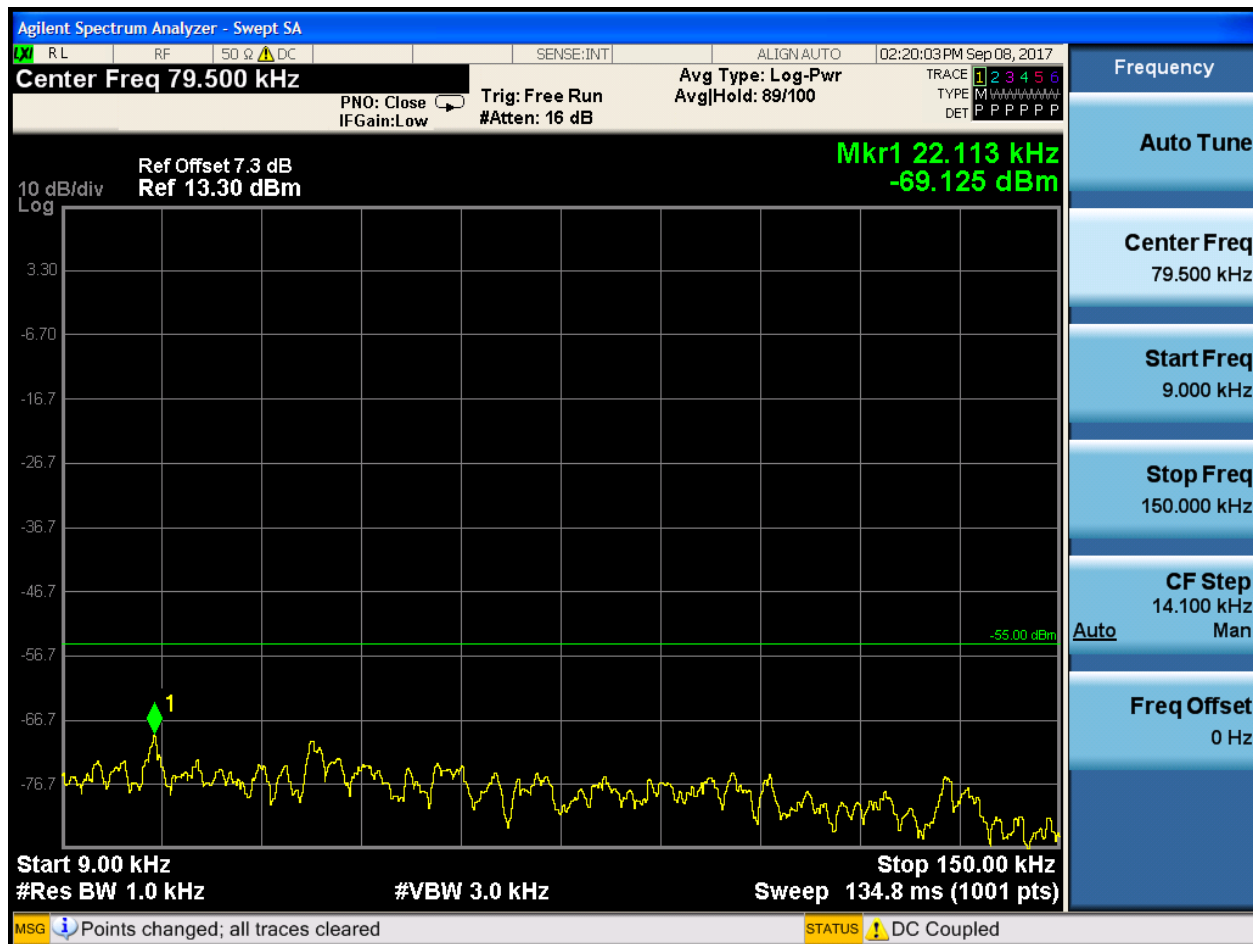


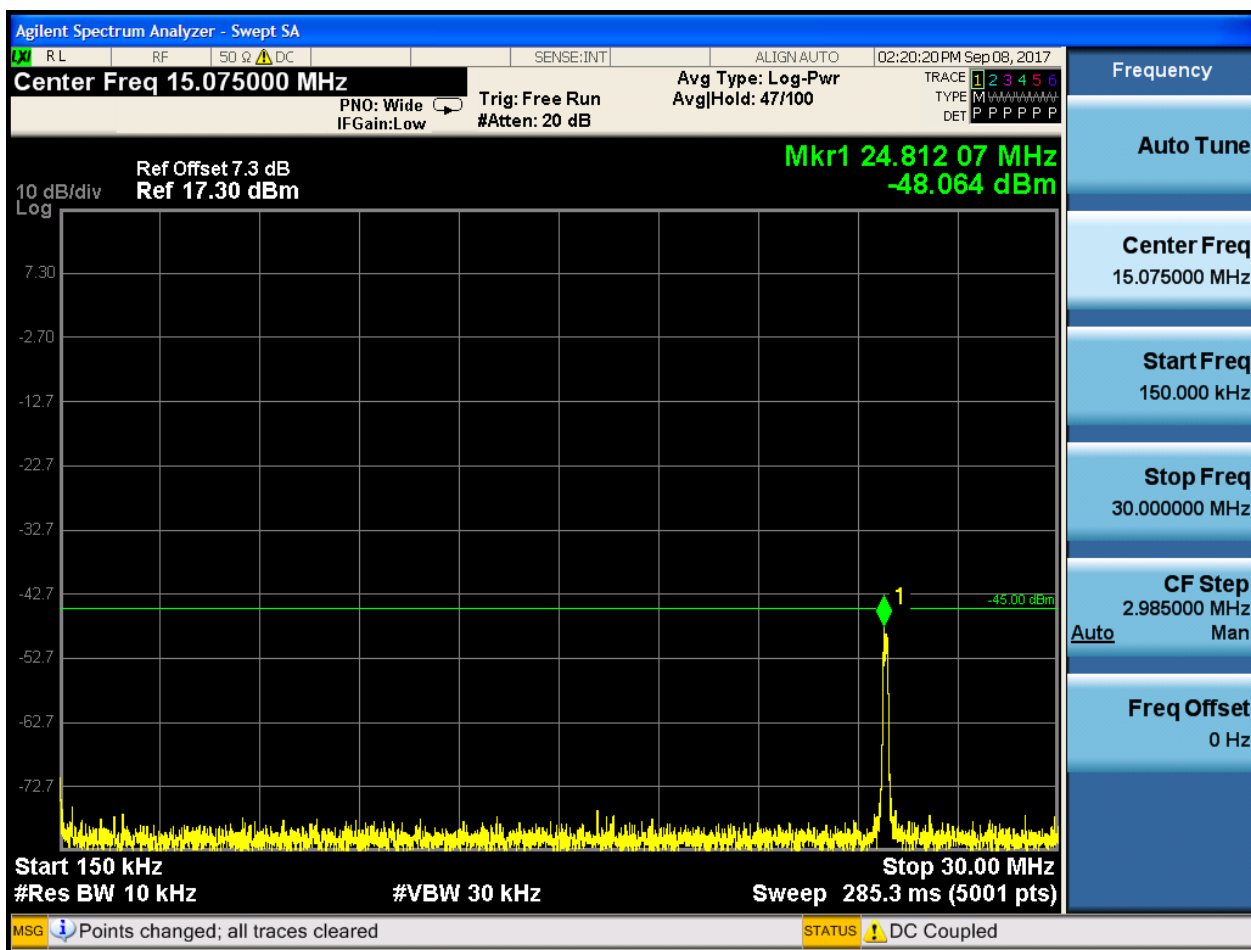




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



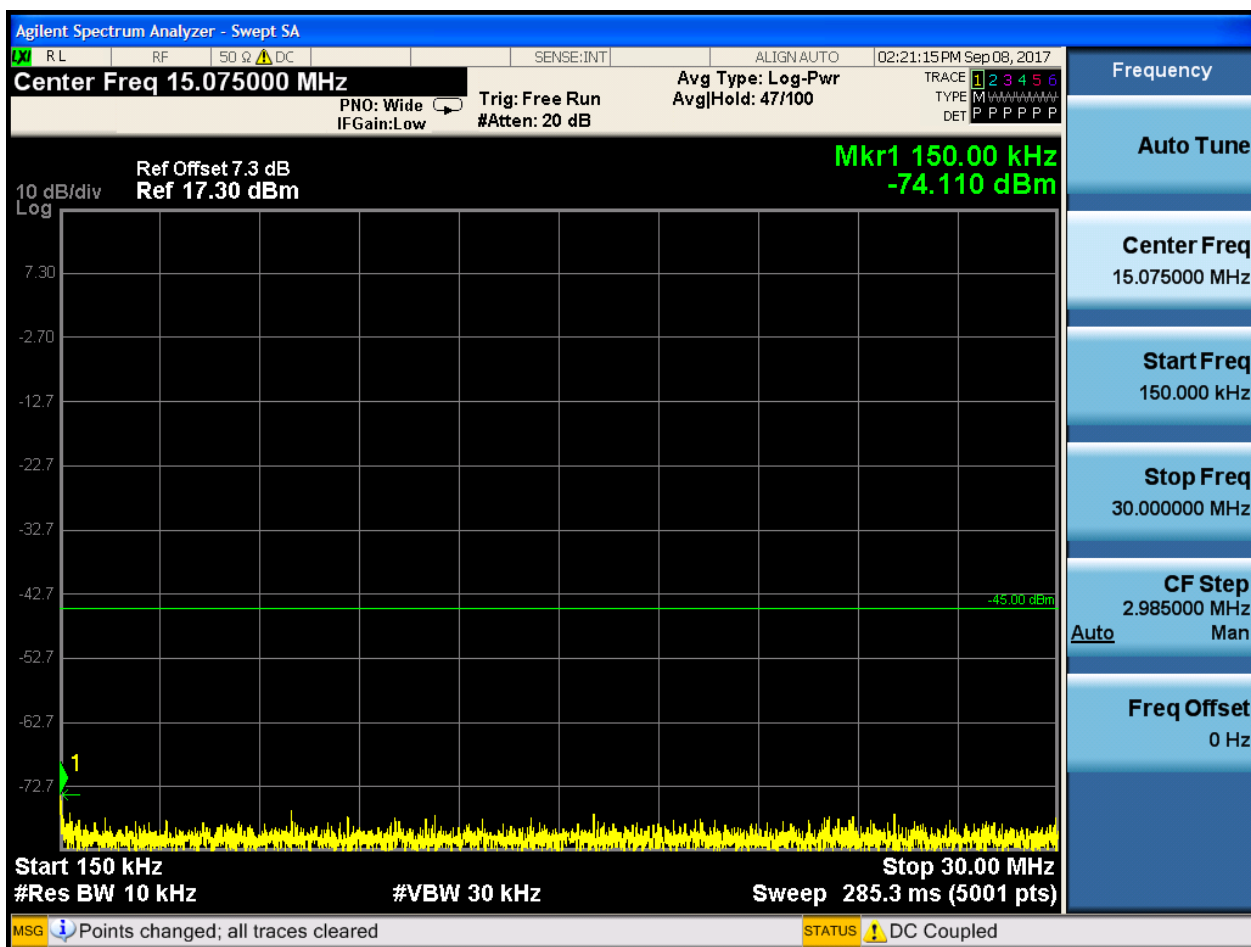




6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

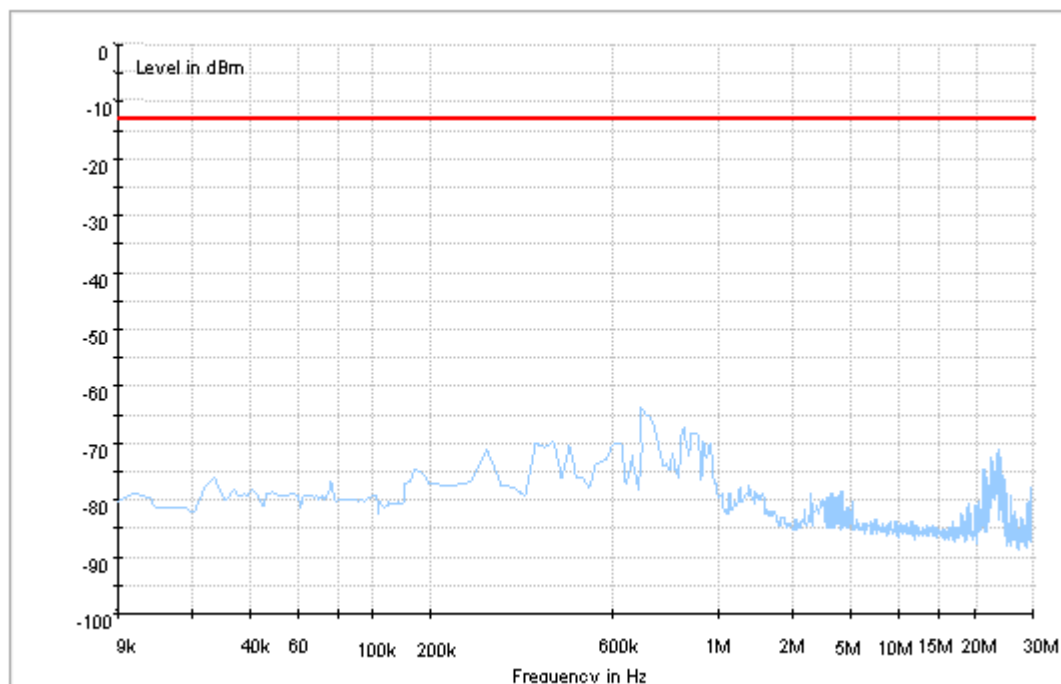
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

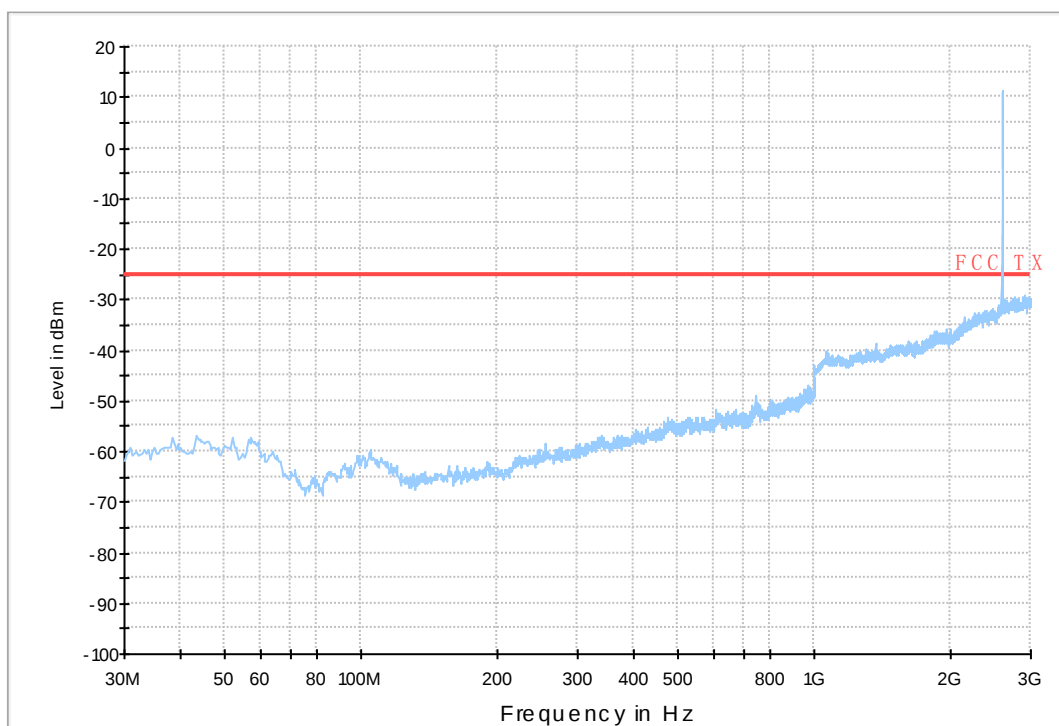
7.1 For LTE

7.1.1 Test Band = BAND38_Ant1

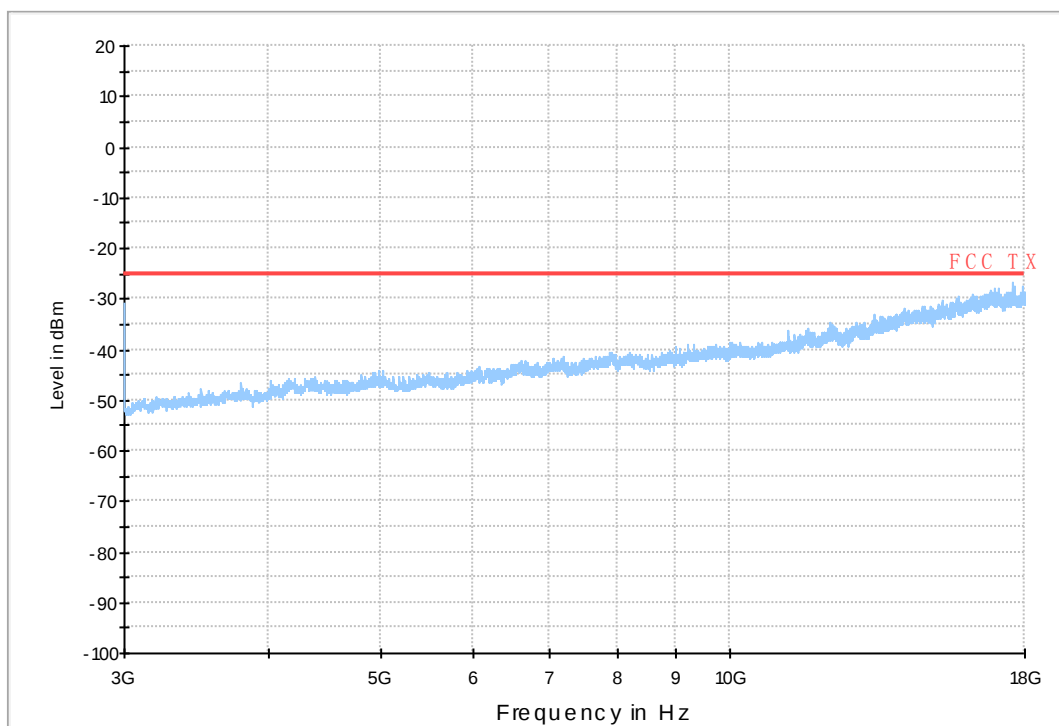
7.1.1.1 Test Bandwidth = 5

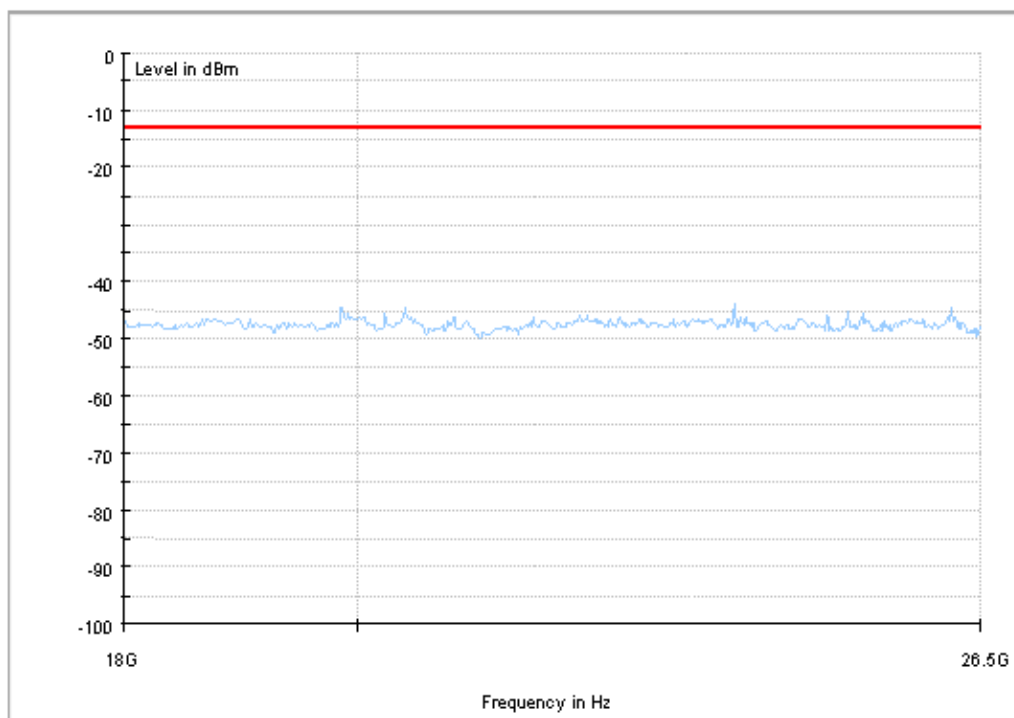


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

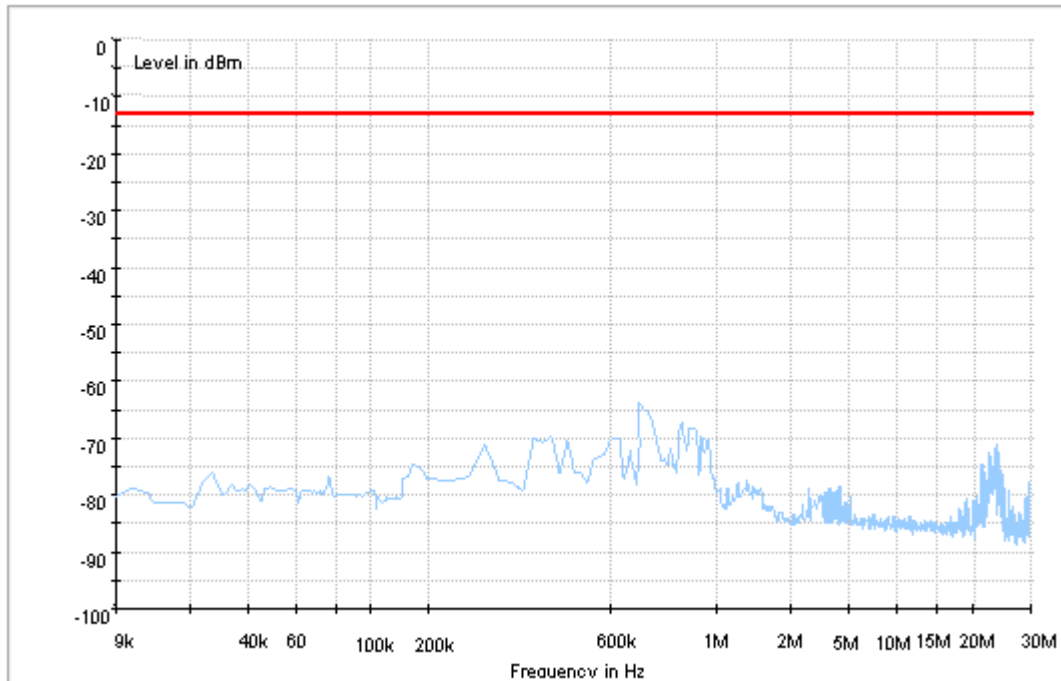


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

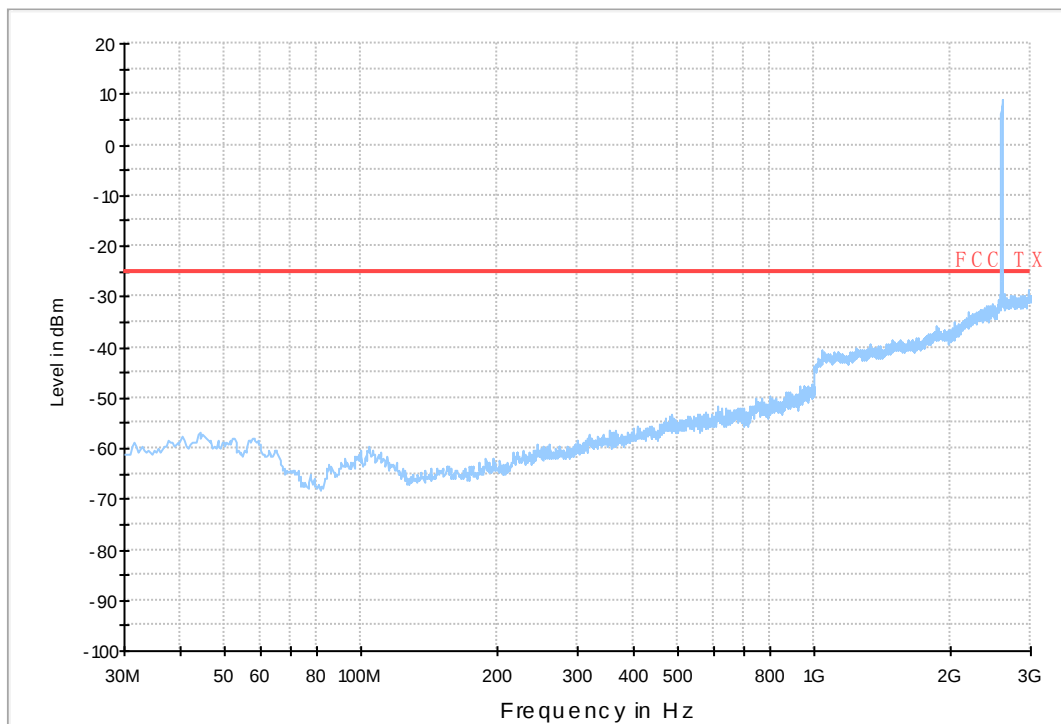




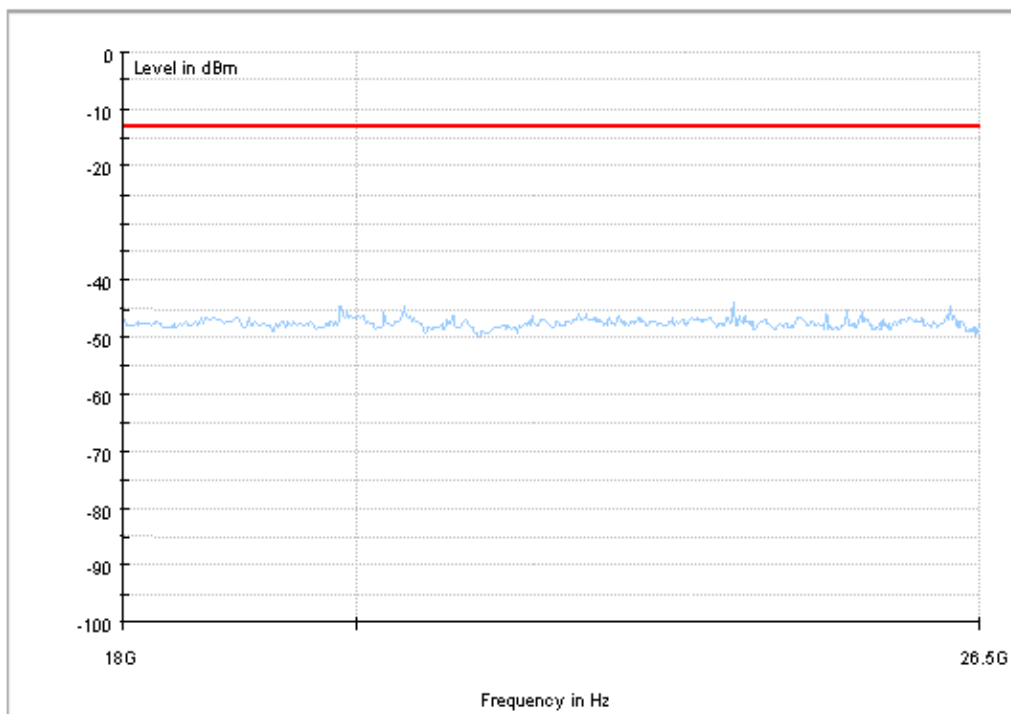
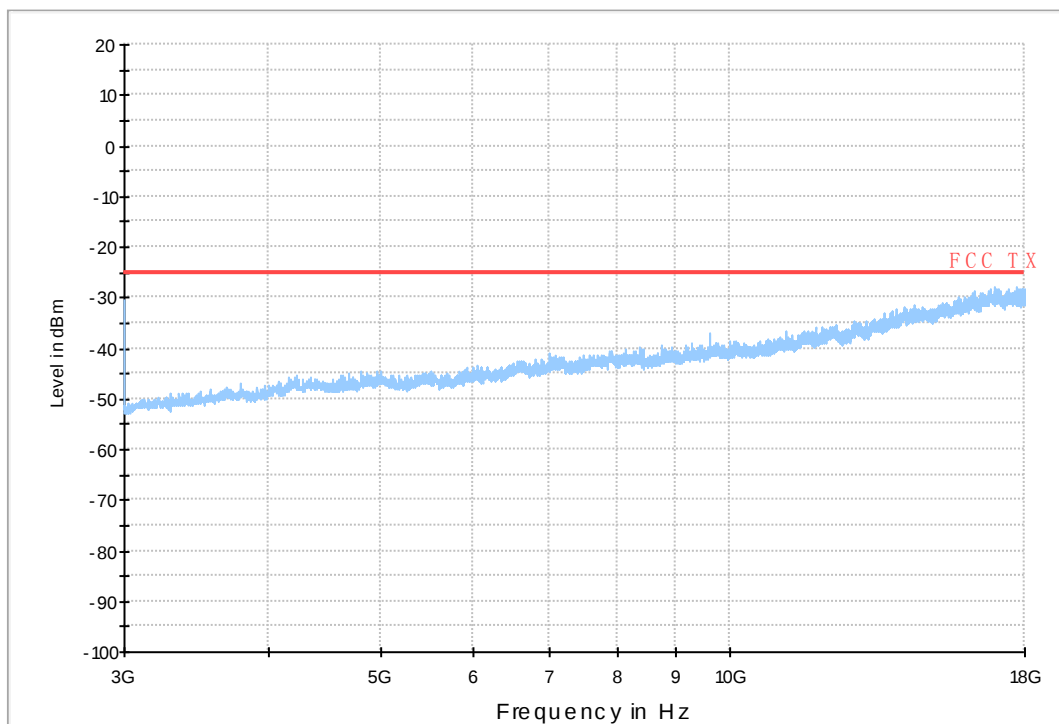
7.1.1.2 Test Bandwidth = 20



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

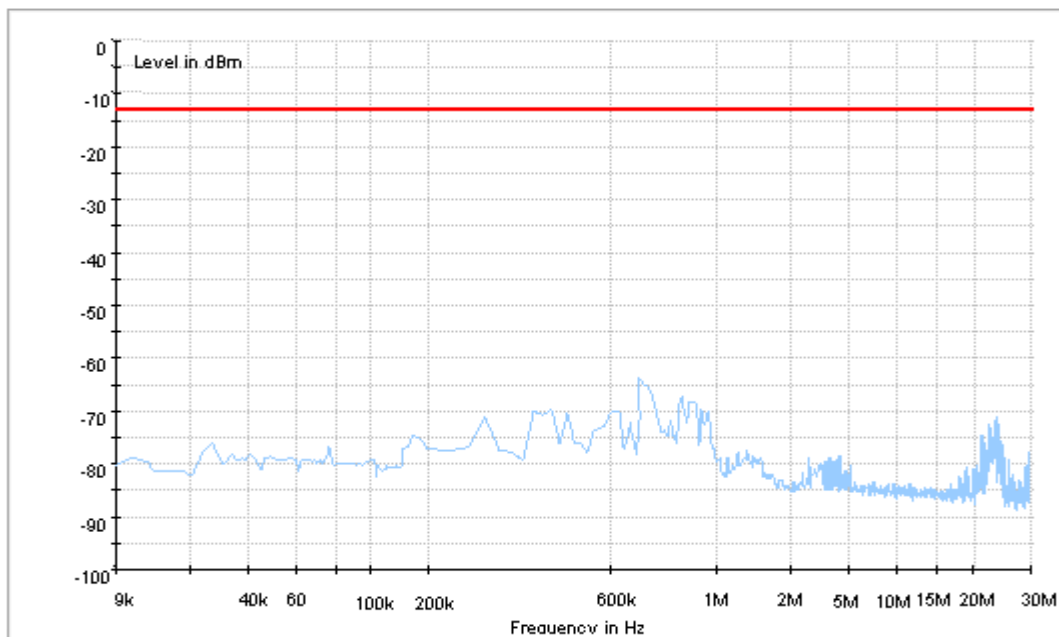


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

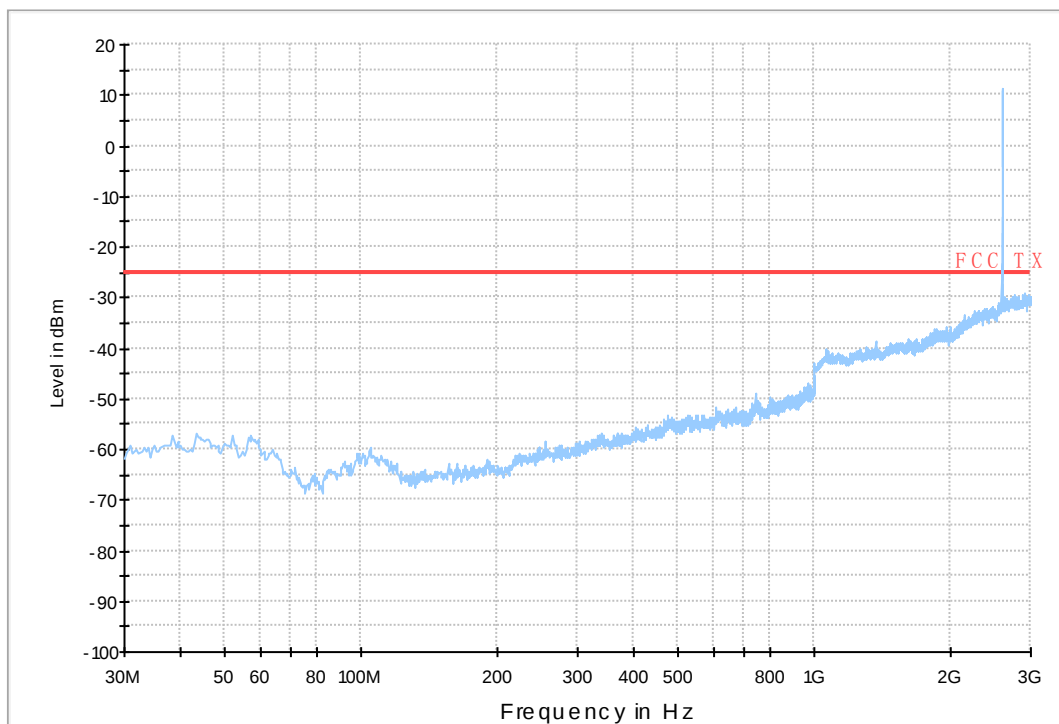


7.1.2 Test Band = BAND38_Ant2

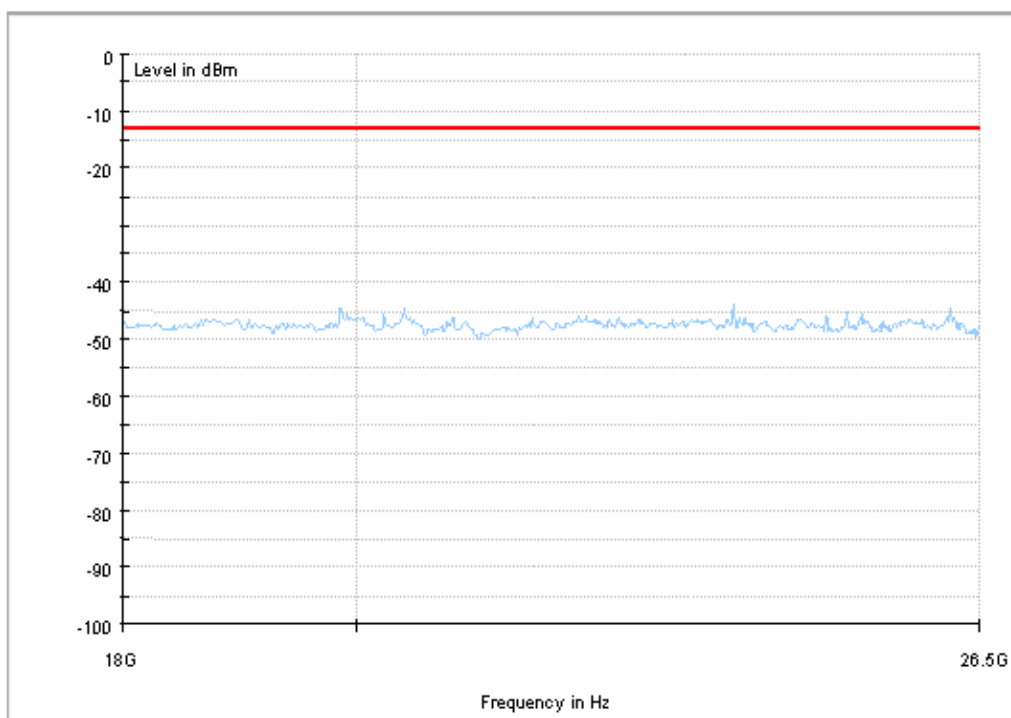
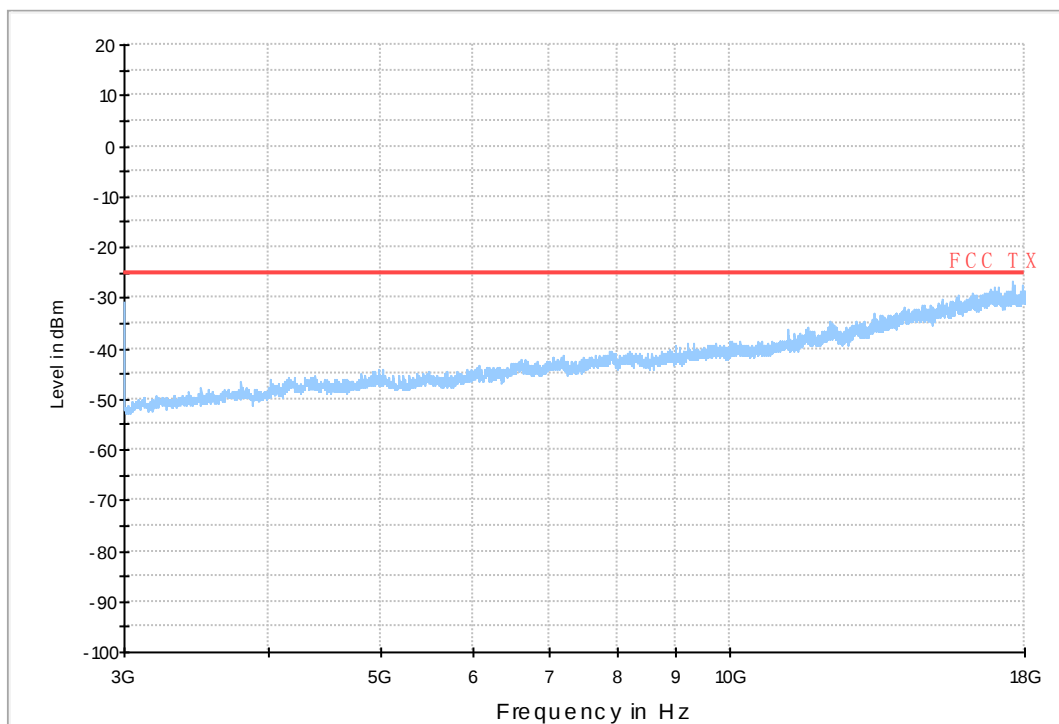
7.1.2.1 Test Bandwidth = 5



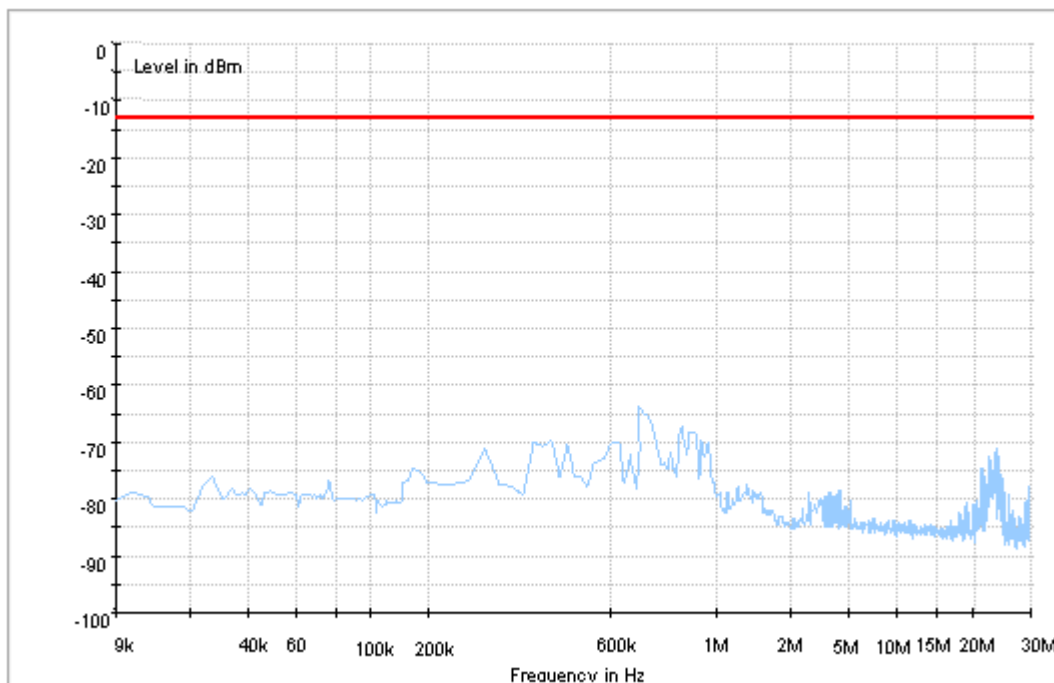
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



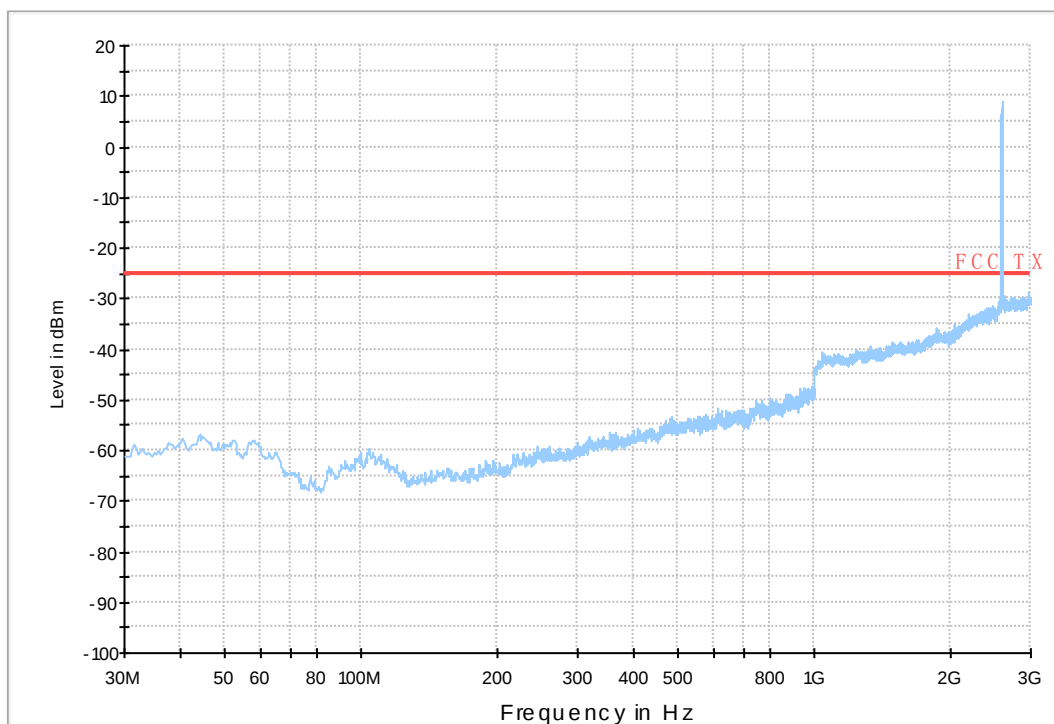
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



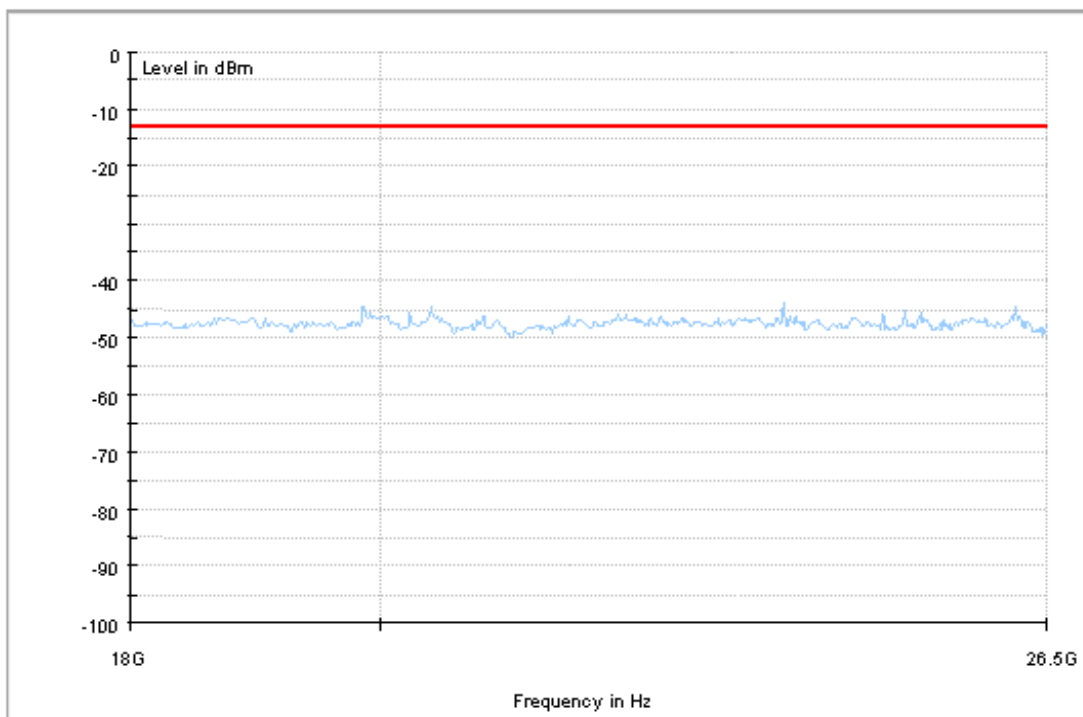
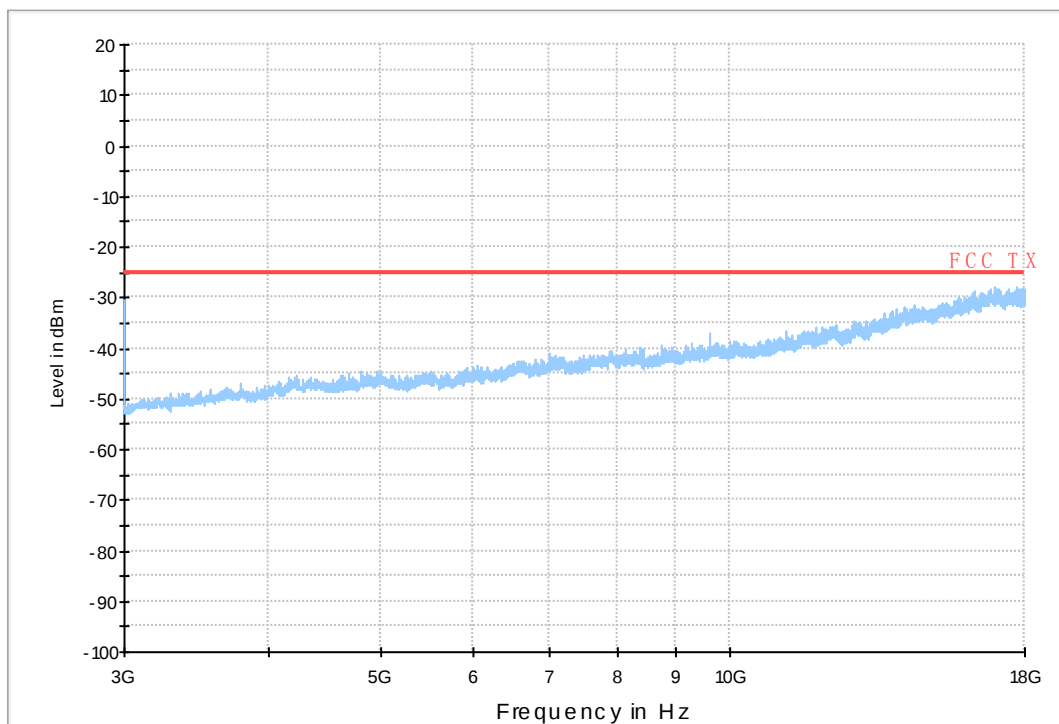
7.1.2.2 Test Bandwidth = 20



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

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	LTE/TM1	5	LCH	TN	VL	-24.93	-0.00969	PASS
					VN	-24.23	-0.00942	PASS
					VH	-18.28	-0.00711	PASS
			MCH	TN	VL	-18.4	-0.00709	PASS
					VN	-18.05	-0.00696	PASS
					VH	-12.66	-0.00488	PASS
			HCH	TN	VL	-24.16	-0.00923	PASS
					VN	-24.19	-0.00924	PASS
					VH	-18.22	-0.00696	PASS
		10	LCH	TN	VL	-13.62	-0.00529	PASS
					VN	-17.52	-0.0068	PASS
					VH	-19.21	-0.00746	PASS
			MCH	TN	VL	-19.43	-0.00749	PASS
					VN	-21.73	-0.00837	PASS
					VH	-20.87	-0.00804	PASS
			HCH	TN	VL	-15.41	-0.00589	PASS
					VN	-23.73	-0.00907	PASS
					VH	-21.96	-0.0084	PASS
		15	LCH	TN	VL	-14.29	-0.00554	PASS
					VN	-16.62	-0.00645	PASS
					VH	-16.92	-0.00656	PASS
			MCH	TN	VL	-18.48	-0.00712	PASS
					VN	-21.79	-0.0084	PASS
					VH	-21.03	-0.0081	PASS
			HCH	TN	VL	-18.11	-0.00693	PASS
					VN	-15.46	-0.00592	PASS
					VH	-18.4	-0.00704	PASS
		20	LCH	TN	VL	-21.57	-0.00836	PASS
					VN	-16.12	-0.00625	PASS
					VH	-21.62	-0.00838	PASS
			MCH	TN	VL	-21.73	-0.00837	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-17.14	-0.00661	PASS
					VH	-23.15	-0.00892	PASS
					VL	-15.96	-0.00611	PASS
					VN	-15.71	-0.00602	PASS
					VH	-19.9	-0.00762	PASS
					VL	-17.98	-0.00699	PASS
	LTE/TM2	5	LCH	TN	VN	-17.45	-0.00678	PASS
					VH	-18.64	-0.00725	PASS
					VL	-22.02	-0.00849	PASS
			MCH	TN	VN	-19.9	-0.00767	PASS
					VH	-27.61	-0.01064	PASS
					VL	-19.66	-0.00751	PASS
			HCH	TN	VN	-15.16	-0.00579	PASS
					VH	-19.56	-0.00747	PASS
					VL	-13.1	-0.00509	PASS
		10	LCH	TN	VN	-14.72	-0.00572	PASS
					VH	-26.16	-0.01016	PASS
					VL	-12.22	-0.00471	PASS
			MCH	TN	VN	-19	-0.00732	PASS
					VH	-18.42	-0.0071	PASS
					VL	-22.99	-0.00879	PASS
			HCH	TN	VN	-16.05	-0.00614	PASS
					VH	-20.46	-0.00782	PASS
					VL	-18.87	-0.00732	PASS
		15	LCH	TN	VN	-14.13	-0.00548	PASS
					VH	-18.02	-0.00699	PASS
					VL	-19.97	-0.0077	PASS
			MCH	TN	VN	-17.58	-0.00677	PASS
					VH	-18.25	-0.00703	PASS
					VL	-16.91	-0.00647	PASS
			HCH	TN	VN	-19.25	-0.00737	PASS
					VH	-13.79	-0.00528	PASS
					VL	-19.45	-0.00754	PASS
		20	LCH	TN	VN	-22.36	-0.00867	PASS
					VH	-19.87	-0.0077	PASS
					VL	-19.97	-0.0077	PASS
			MCH	TN	VN	-18.14	-0.00699	PASS
					VH	-19.9	-0.00767	PASS
					VL	-13	-0.00498	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-19.07	-0.00731	PASS
					VH	-17.81	-0.00682	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	LTE/TM1	5	LCH	VN	-30	-20.99	-0.00816	PASS
					-20	-12.99	-0.00505	PASS
					-10	-16.58	-0.00645	PASS
					0	-19.07	-0.00741	PASS
					10	-18.31	-0.00712	PASS
					20	-15.74	-0.00612	PASS
					30	-24.39	-0.00948	PASS
					40	-20.9	-0.00812	PASS
					50	-13.12	-0.0051	PASS
			MCH	VN	-30	-21.63	-0.00834	PASS
					-20	-24.55	-0.00946	PASS
					-10	-15.12	-0.00583	PASS
					0	-17.84	-0.00687	PASS
					10	-34.53	-0.01331	PASS
					20	-24.29	-0.00936	PASS
					30	-19.68	-0.00758	PASS
					40	-24.86	-0.00958	PASS
					50	-18.31	-0.00706	PASS
			HCH	VN	-30	-17.88	-0.00683	PASS
					-20	-21.46	-0.0082	PASS
					-10	-17.84	-0.00682	PASS
					0	-21.7	-0.00829	PASS
					10	-16.16	-0.00617	PASS
					20	-21.09	-0.00806	PASS
					30	-18	-0.00688	PASS
					40	-26.01	-0.00994	PASS
					50	-23.15	-0.00884	PASS
		10	LCH	VN	-30	-16.48	-0.0064	PASS
					-20	-23.95	-0.0093	PASS
					-10	-21.8	-0.00847	PASS
					0	-18.84	-0.00732	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-15.11	-0.00587	PASS
					20	-23.7	-0.0092	PASS
					30	-12.42	-0.00482	PASS
					40	-20.34	-0.0079	PASS
					50	-12.47	-0.00484	PASS
			MCH	VN	-30	-19.98	-0.0077	PASS
					-20	-27.29	-0.01052	PASS
					-10	-23.17	-0.00893	PASS
					0	-19.48	-0.00751	PASS
					10	-29.27	-0.01128	PASS
					20	-25.42	-0.0098	PASS
					30	-24.33	-0.00938	PASS
					40	-26.71	-0.01029	PASS
					50	-55.1	-0.02123	PASS
			HCH	VN	-30	-45.85	-0.01753	PASS
					-20	-17.68	-0.00676	PASS
					-10	-17.45	-0.00667	PASS
					0	-21.86	-0.00836	PASS
					10	-43.34	-0.01657	PASS
					20	-32.24	-0.01233	PASS
					30	-40.68	-0.01556	PASS
					40	-13.42	-0.00513	PASS
					50	-44.22	-0.01691	PASS
		15	LCH	VN	-30	-8.37	-0.00325	PASS
					-20	-19	-0.00737	PASS
					-10	-17.84	-0.00692	PASS
					0	-10.17	-0.00395	PASS
					10	-11.49	-0.00446	PASS
					20	-24.82	-0.00963	PASS
					30	-9.14	-0.00355	PASS
					40	-21.36	-0.00829	PASS
					50	-11.16	-0.00433	PASS
			MCH	VN	-30	-21.16	-0.00815	PASS
					-20	-18	-0.00694	PASS
					-10	-19.47	-0.0075	PASS
					0	-15.41	-0.00594	PASS
					10	-14.49	-0.00558	PASS
					20	-22.36	-0.00862	PASS
					30	-23.49	-0.00905	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-20.01	-0.00771	PASS
					50	-21.13	-0.00814	PASS
			HCH	VN	-30	-16.85	-0.00645	PASS
					-20	-24.1	-0.00922	PASS
					-10	-15.21	-0.00582	PASS
					0	-16.89	-0.00647	PASS
					10	-14.05	-0.00538	PASS
					20	-15.03	-0.00575	PASS
					30	-19.48	-0.00746	PASS
					40	-14.82	-0.00567	PASS
					50	-17.77	-0.0068	PASS
		20	LCH	VN	-30	-20.99	-0.00814	PASS
					-20	-21.19	-0.00821	PASS
					-10	-16.51	-0.0064	PASS
					0	-18.11	-0.00702	PASS
					10	-20.21	-0.00783	PASS
					20	-23.42	-0.00908	PASS
					30	-16.55	-0.00641	PASS
					40	-19.5	-0.00756	PASS
			MCH	VN	50	-23.96	-0.00929	PASS
					-30	-18.35	-0.00707	PASS
					-20	-23.4	-0.00902	PASS
					-10	-14.49	-0.00558	PASS
					0	-20.27	-0.00781	PASS
					10	-23.67	-0.00912	PASS
					20	-20.64	-0.00795	PASS
					30	-18.1	-0.00697	PASS
			HCH	VN	40	-22.3	-0.00859	PASS
					50	-17.17	-0.00662	PASS
					-30	-20.41	-0.00782	PASS
					-20	-18	-0.0069	PASS
					-10	-14.18	-0.00543	PASS
					0	-18.31	-0.00702	PASS
					10	-17.31	-0.00663	PASS
					20	-13.88	-0.00532	PASS
					30	-19.4	-0.00743	PASS
					40	-20.87	-0.008	PASS
					50	-16.64	-0.00638	PASS
	LTE/TM2	5	LCH	VN	-30	-15.56	-0.00605	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-23.56	-0.00916	PASS
					-10	-19.2	-0.00746	PASS
					0	-21.4	-0.00832	PASS
					10	-13.88	-0.0054	PASS
					20	-22.2	-0.00863	PASS
					30	-19.98	-0.00777	PASS
					40	-12.67	-0.00493	PASS
					50	-11.96	-0.00465	PASS
			MCH	VN	-30	-20.47	-0.00789	PASS
					-20	-46.85	-0.01805	PASS
					-10	-18.44	-0.00711	PASS
					0	-23.46	-0.00904	PASS
					10	-21.33	-0.00822	PASS
					20	-57.94	-0.02233	PASS
					30	-21.11	-0.00813	PASS
					40	-21.04	-0.00811	PASS
					50	-21.77	-0.00839	PASS
			HCH	VN	-30	-13.39	-0.00512	PASS
					-20	-22.66	-0.00866	PASS
					-10	-21.86	-0.00835	PASS
					0	-17.31	-0.00661	PASS
					10	-37.51	-0.01433	PASS
					20	-23.46	-0.00896	PASS
					30	-17.02	-0.0065	PASS
					40	-18.22	-0.00696	PASS
					50	-16.85	-0.00644	PASS
		10	LCH	VN	-30	-18.02	-0.007	PASS
					-20	-14.95	-0.00581	PASS
					-10	-13.22	-0.00513	PASS
					0	-16.54	-0.00642	PASS
					10	-17.24	-0.0067	PASS
					20	-12.1	-0.0047	PASS
					30	-16.92	-0.00657	PASS
					40	-21.4	-0.00831	PASS
					50	-16.28	-0.00632	PASS
			MCH	VN	-30	-26.08	-0.01005	PASS
					-20	-28.52	-0.01099	PASS
					-10	-28.05	-0.01081	PASS
					0	-27.79	-0.01071	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-20.31	-0.00783	PASS
					20	-22.92	-0.00883	PASS
					30	-19.73	-0.0076	PASS
					40	-20.44	-0.00788	PASS
					50	-35.12	-0.01353	PASS
			HCH	VN	-30	-18.25	-0.00698	PASS
					-20	-52.08	-0.01992	PASS
					-10	-22.26	-0.00851	PASS
					0	-43.32	-0.01657	PASS
					10	-43.03	-0.01646	PASS
					20	-50.41	-0.01928	PASS
					30	-40.97	-0.01567	PASS
					40	-44.06	-0.01685	PASS
					50	-39.35	-0.01505	PASS
		15	LCH	VN	-30	-19.33	-0.0075	PASS
					-20	-16.38	-0.00635	PASS
					-10	-16.68	-0.00647	PASS
					0	-15.25	-0.00592	PASS
					10	-23.02	-0.00893	PASS
					20	-20.14	-0.00781	PASS
					30	-22.23	-0.00862	PASS
					40	-17.02	-0.0066	PASS
					50	-12.49	-0.00485	PASS
			MCH	VN	-30	-17.8	-0.00686	PASS
					-20	-17.19	-0.00662	PASS
					-10	-19.44	-0.00749	PASS
					0	-18.97	-0.00731	PASS
					10	-18.45	-0.00711	PASS
					20	-17.85	-0.00688	PASS
					30	-22.26	-0.00858	PASS
					40	-20.87	-0.00804	PASS
					50	-16.22	-0.00625	PASS
			HCH	VN	-30	-19.7	-0.00754	PASS
					-20	-15.46	-0.00592	PASS
					-10	-18.24	-0.00698	PASS
					0	-19.45	-0.00744	PASS
					10	-13.29	-0.00509	PASS
					20	-18.85	-0.00722	PASS
					30	-12.02	-0.0046	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-12.96	-0.00496	PASS
					50	-17.75	-0.00679	PASS
		20	LCH	VN	-30	-20.67	-0.00801	PASS
					-20	-20.21	-0.00783	PASS
					-10	-24.73	-0.00959	PASS
					0	-16.34	-0.00633	PASS
					10	-23.59	-0.00914	PASS
					20	-19.4	-0.00752	PASS
					30	-21.43	-0.00831	PASS
					40	-20.34	-0.00788	PASS
					50	-19.04	-0.00738	PASS
			MCH	VN	-30	-20.71	-0.00798	PASS
					-20	-20.17	-0.00777	PASS
					-10	-21.94	-0.00845	PASS
					0	-22.12	-0.00852	PASS
					10	-18.28	-0.00704	PASS
					20	-20.1	-0.00775	PASS
					30	-22.95	-0.00884	PASS
					40	-18.3	-0.00705	PASS
					50	-20.8	-0.00802	PASS
			HCH	VN	-30	-19.44	-0.00745	PASS
					-20	-15.72	-0.00602	PASS
					-10	-21.07	-0.00807	PASS
					0	-19.76	-0.00757	PASS
					10	-19.2	-0.00736	PASS
					20	-19.76	-0.00757	PASS
					30	-19.3	-0.00739	PASS
					40	-19.94	-0.00764	PASS
					50	-18.11	-0.00694	PASS

END