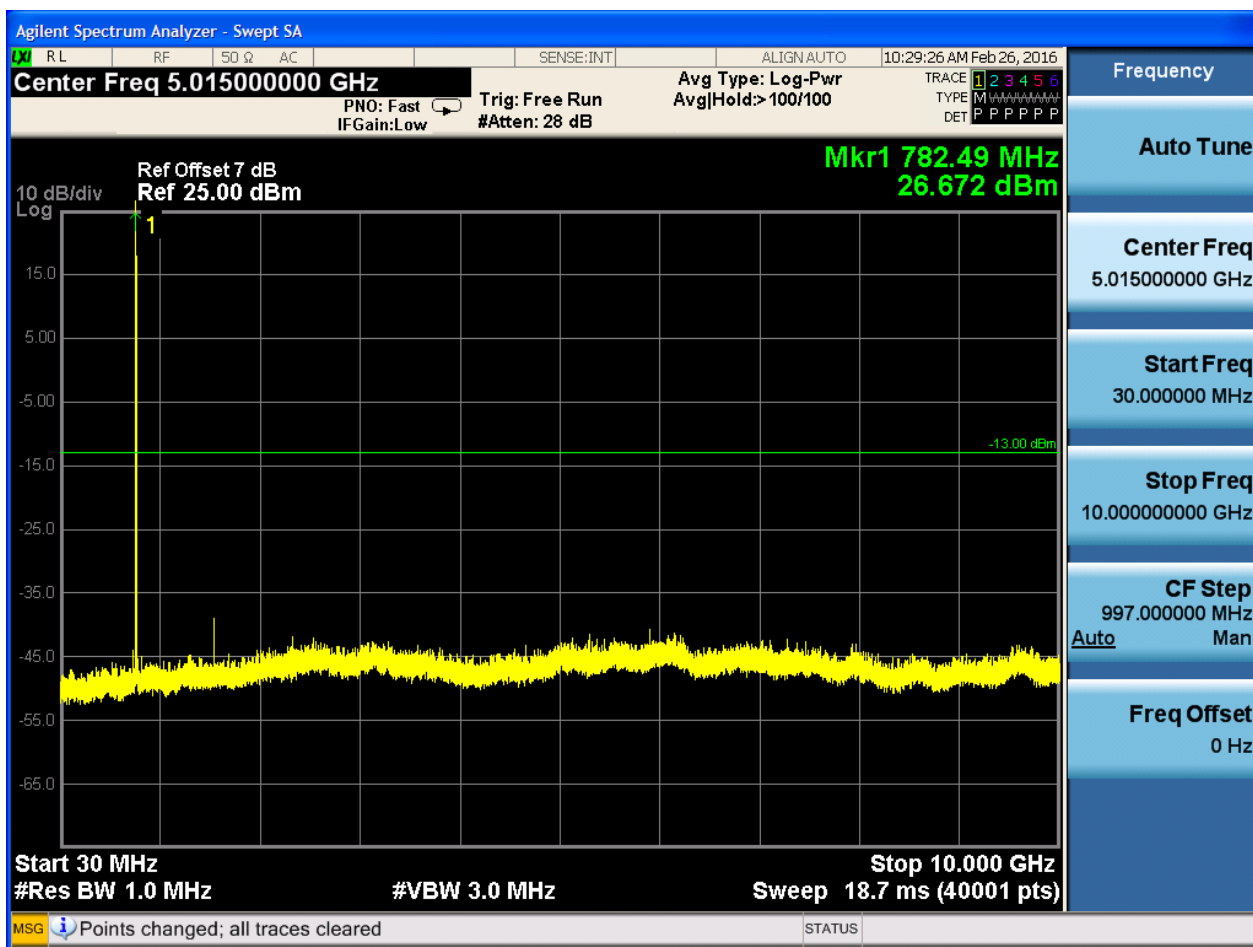
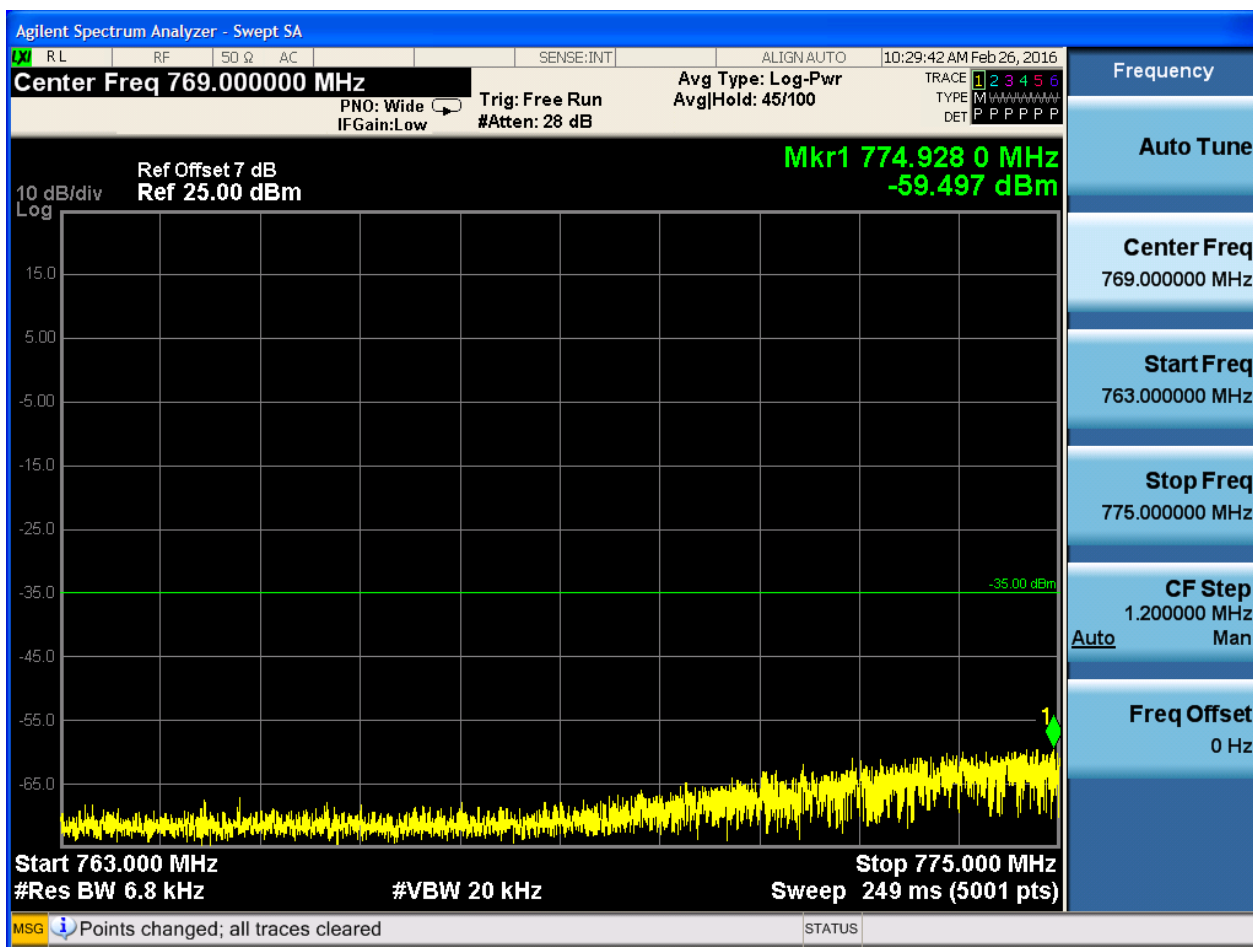






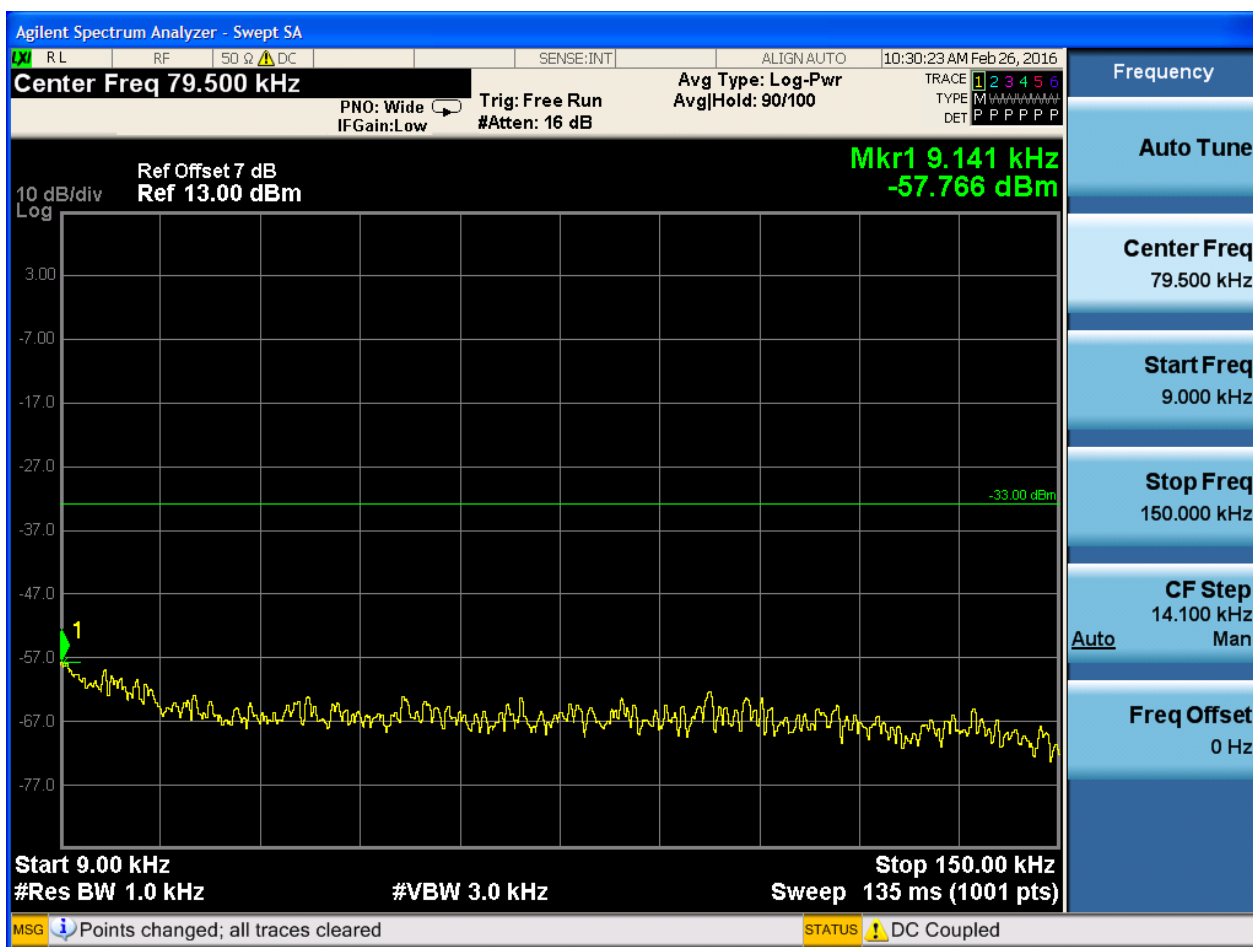


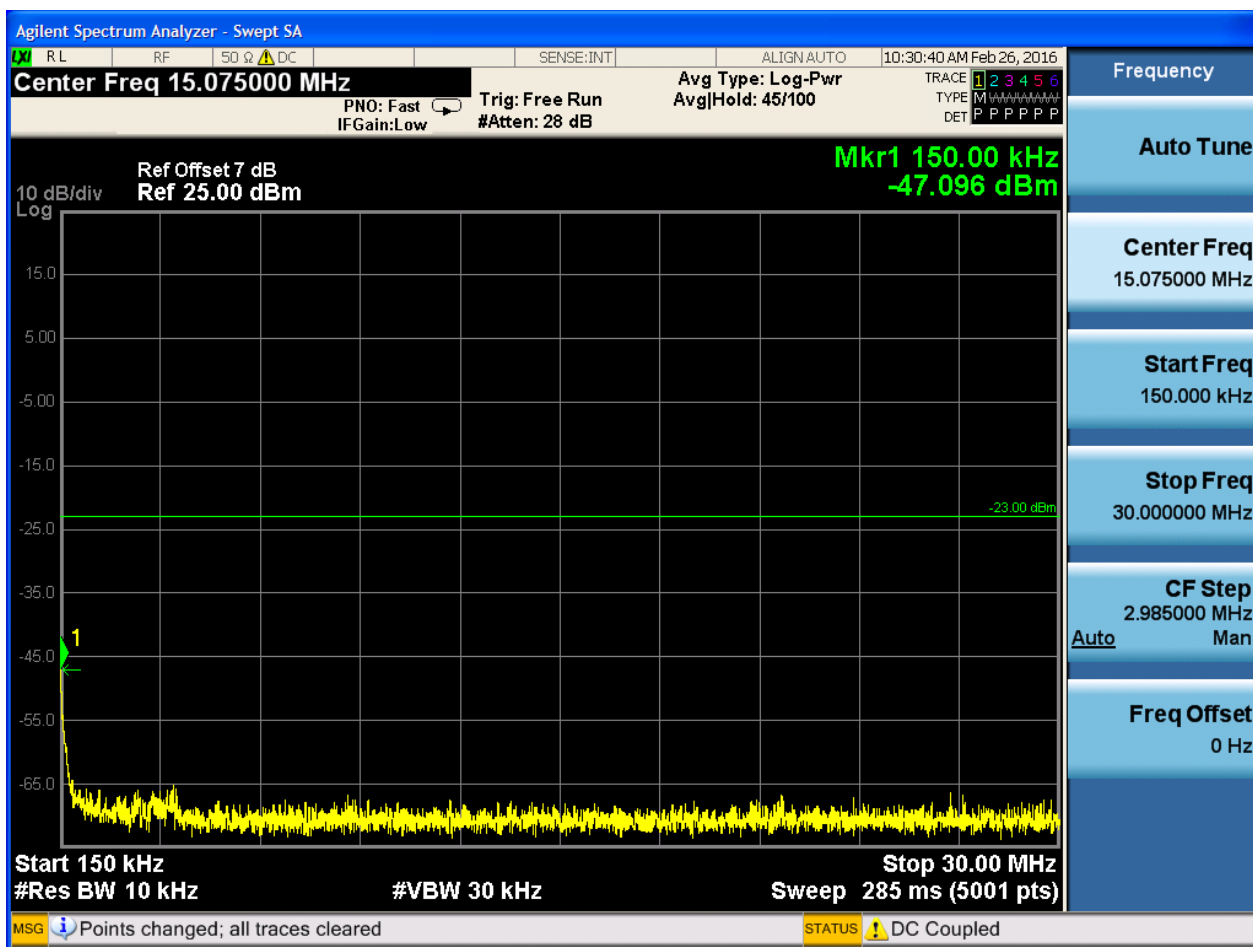


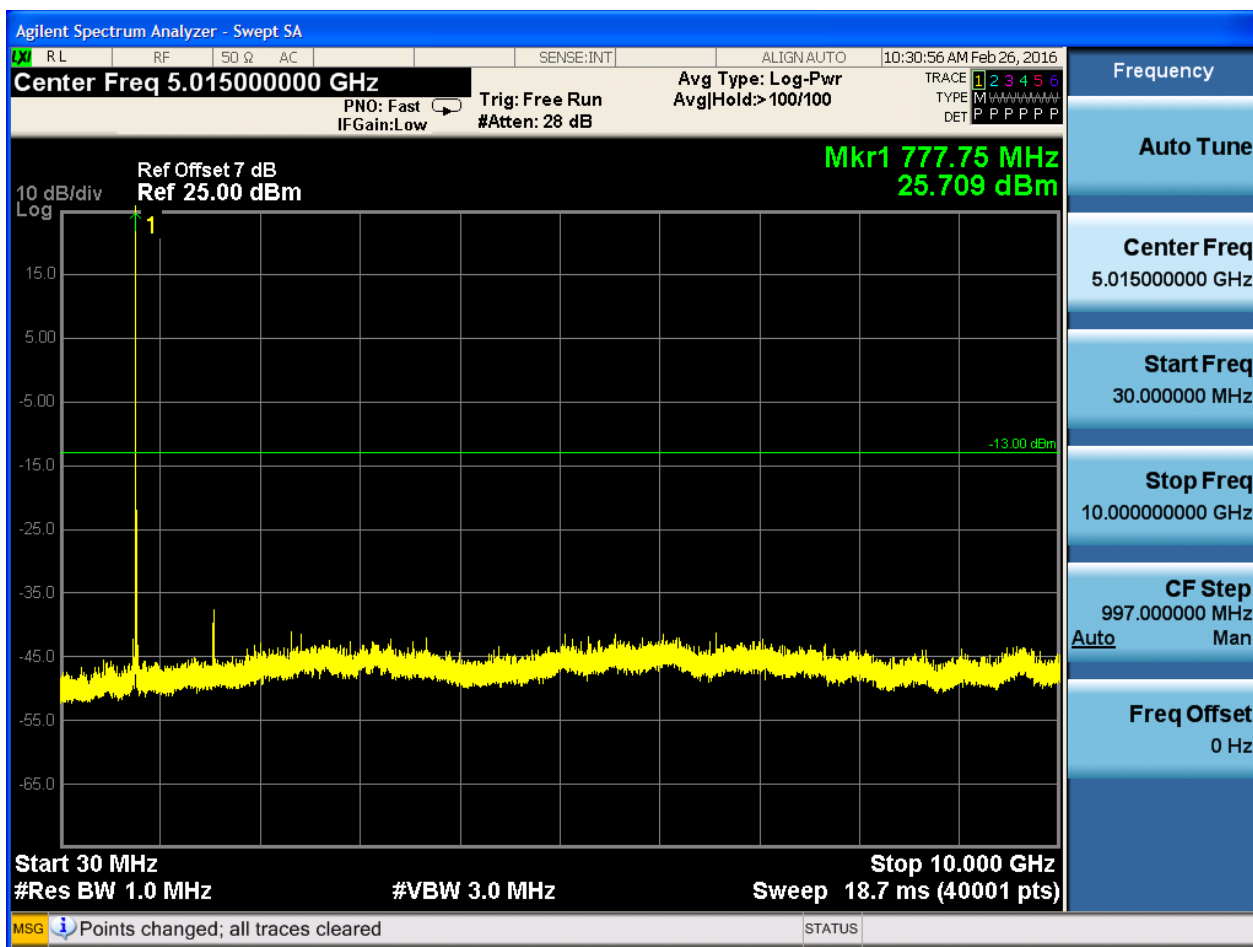
6.1.1.1.2 Test Bandwidth = 10

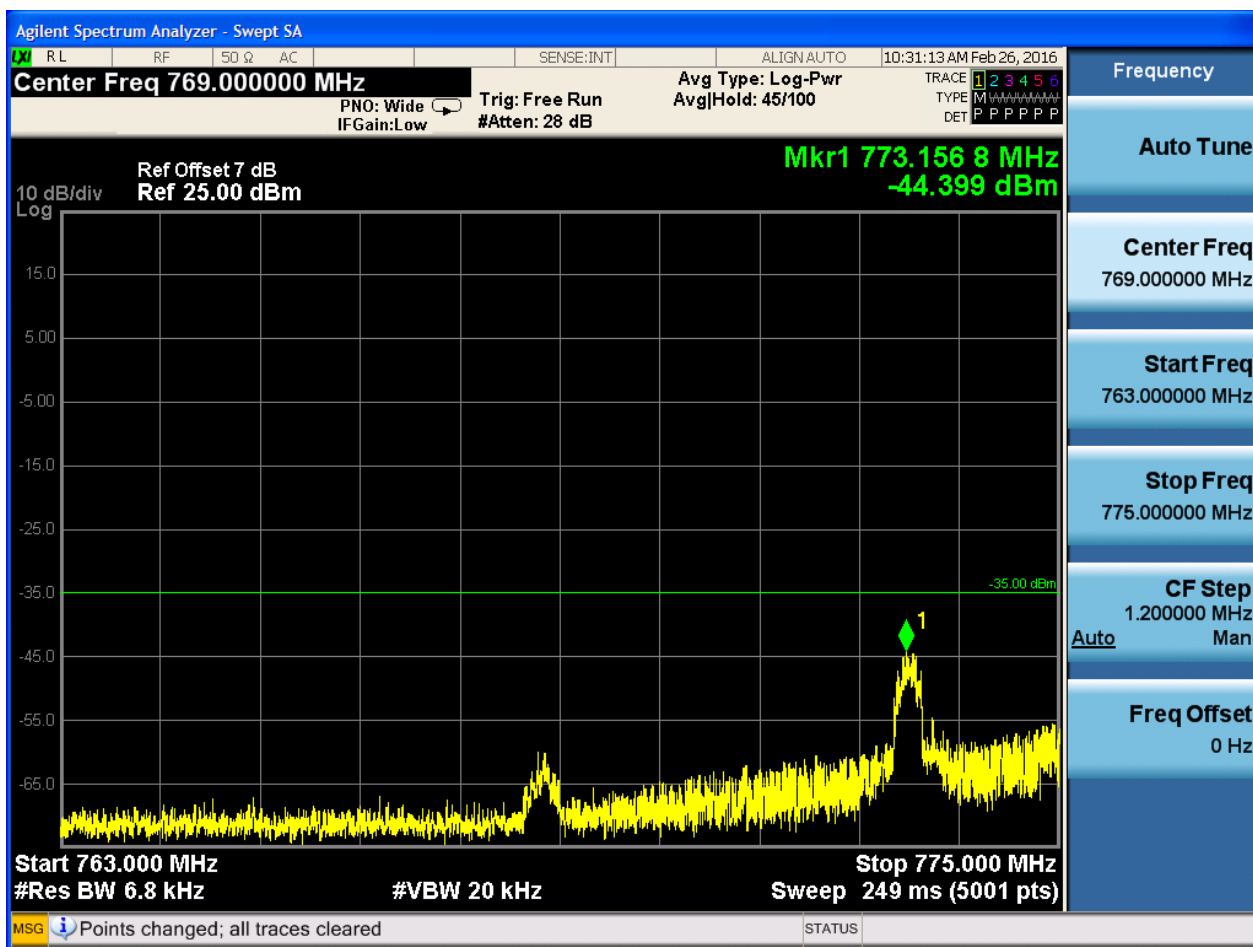
6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0







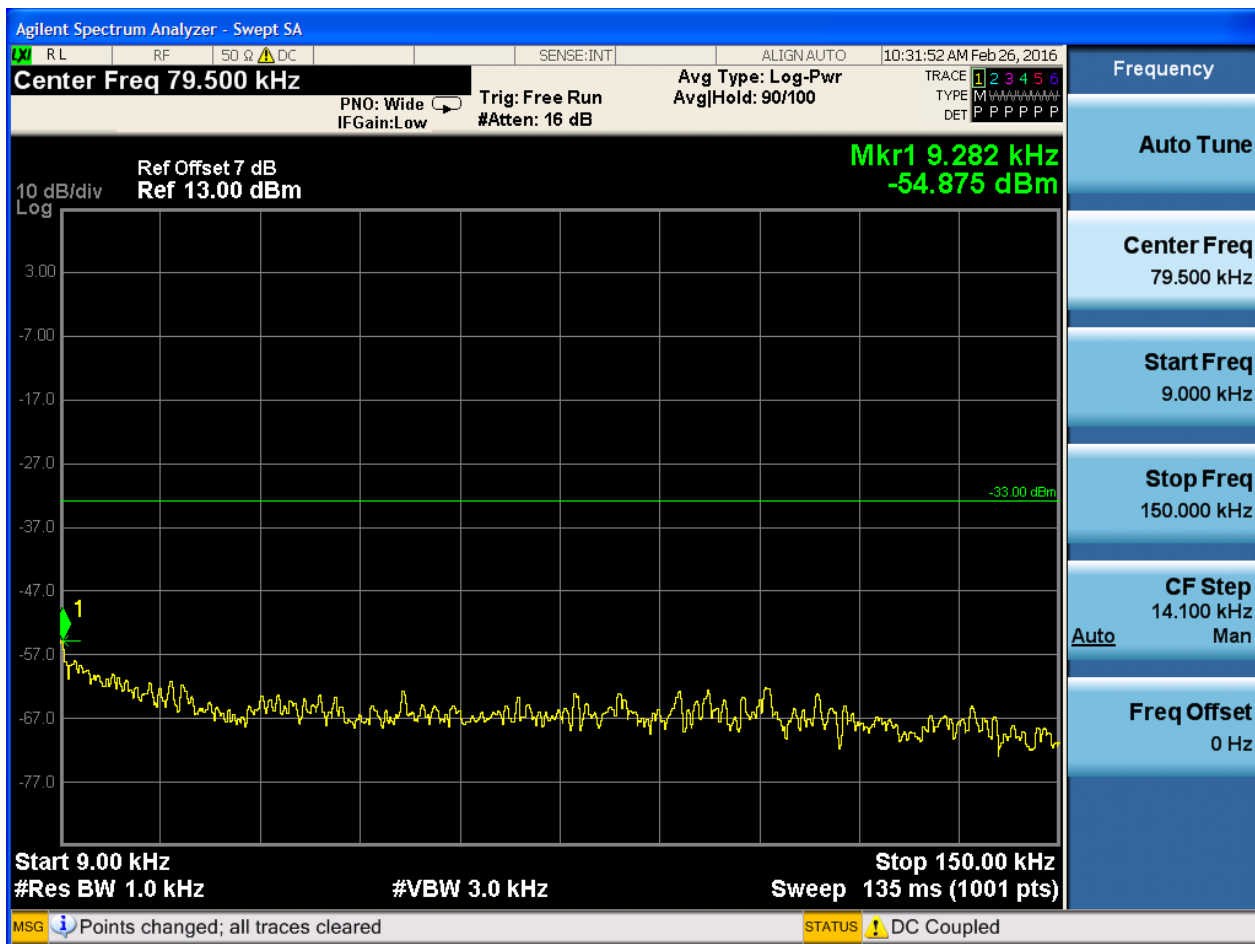


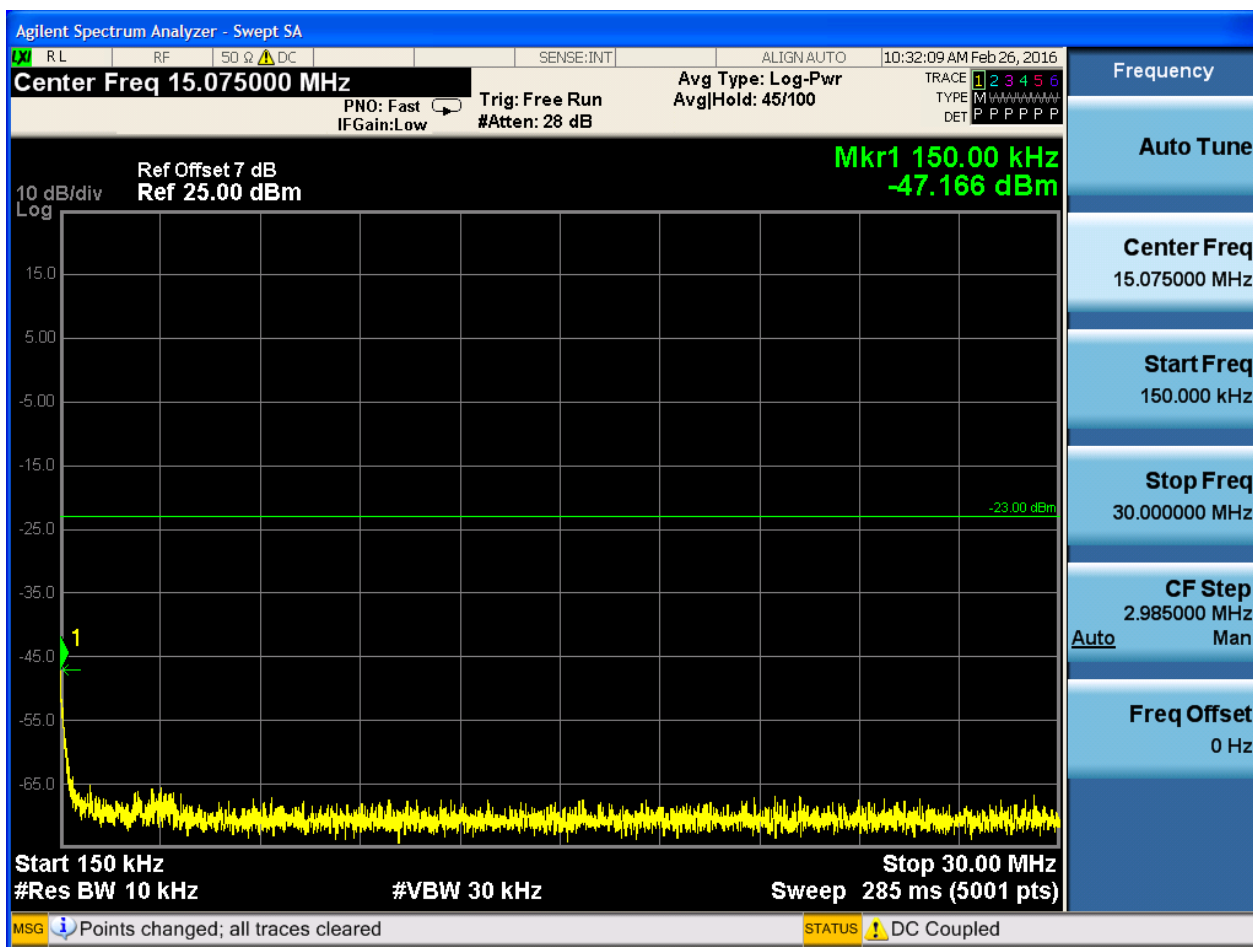


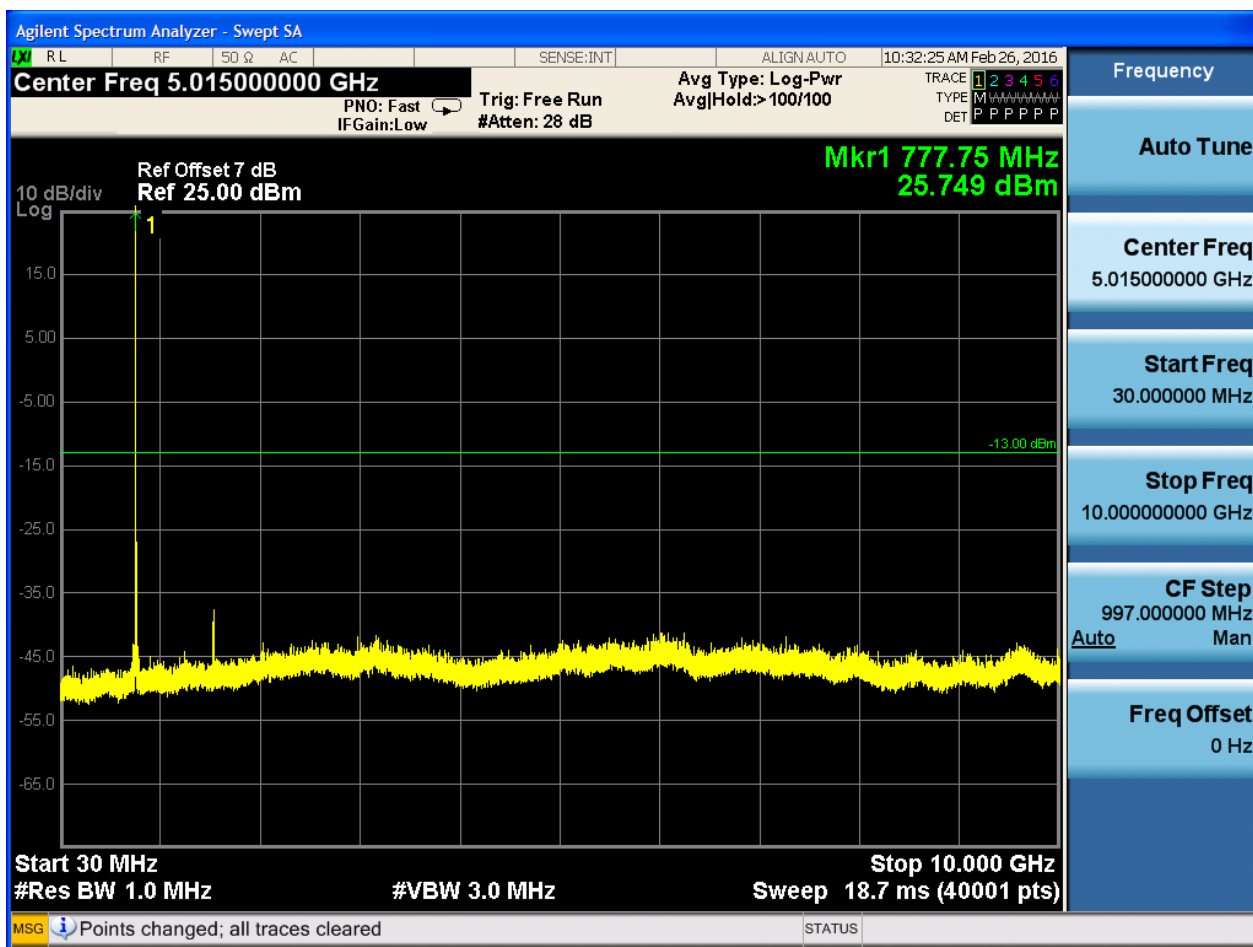


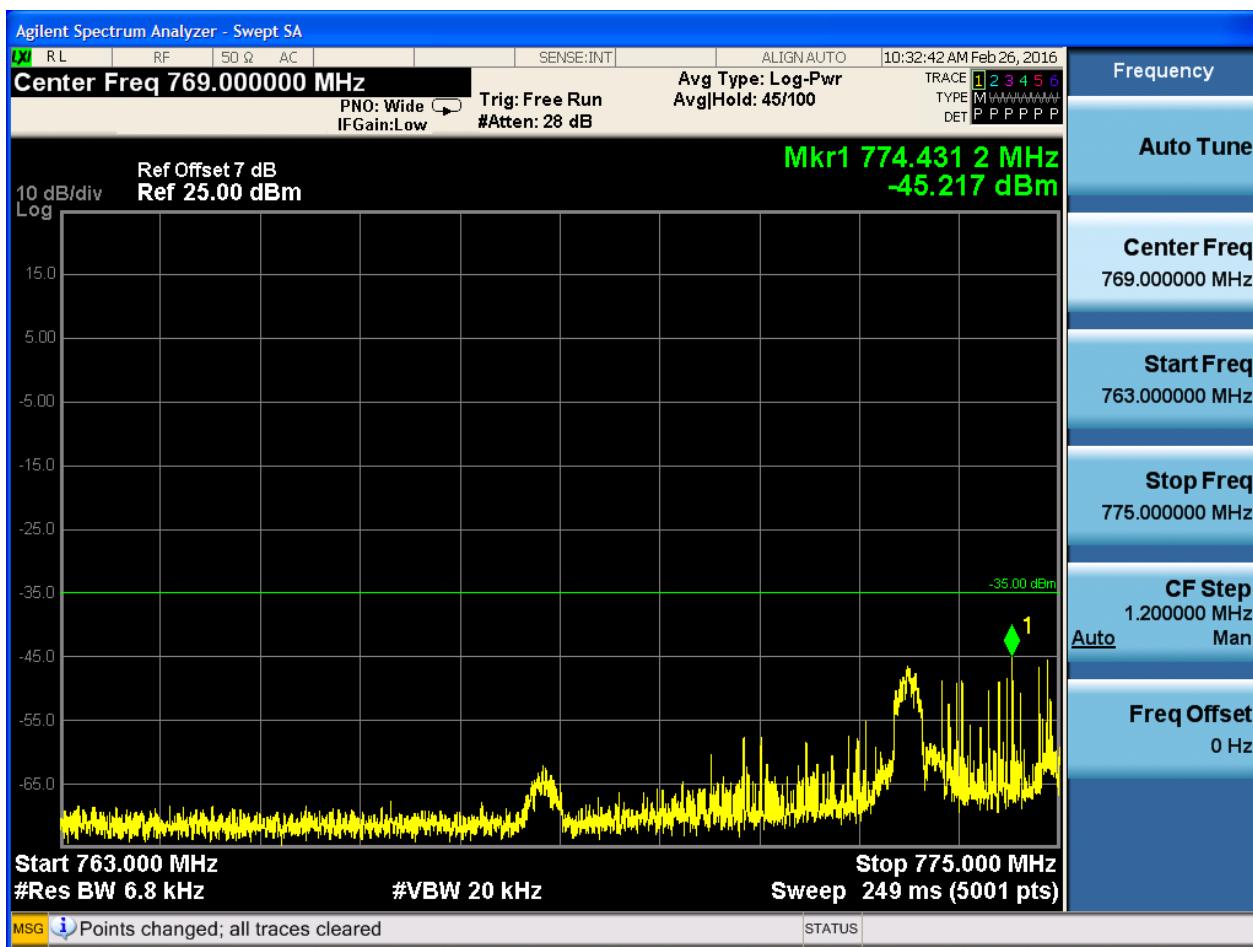
6.1.1.1.2.2 Test Channel = MCH

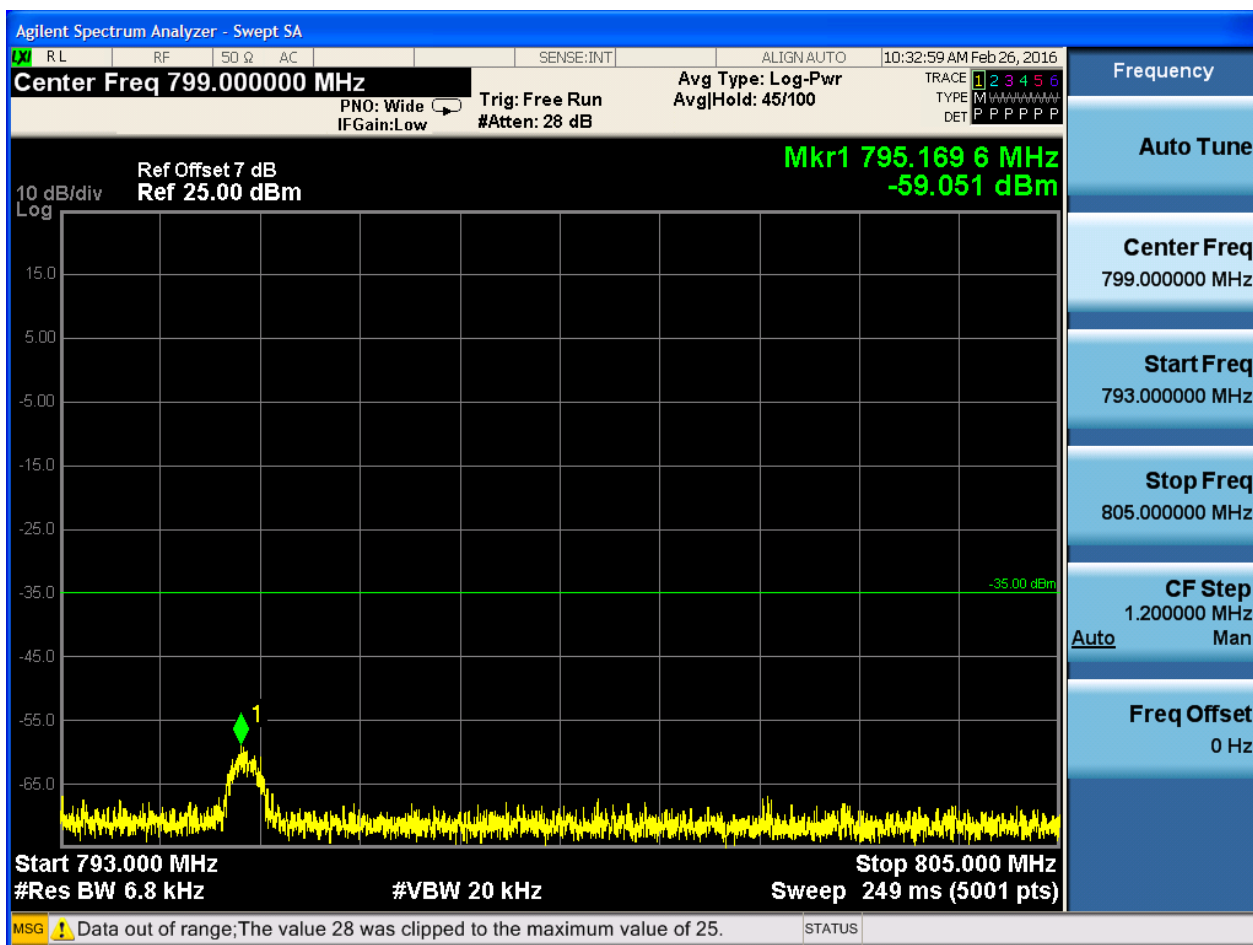
6.1.1.1.2.2.1 Test RB = RB1#0







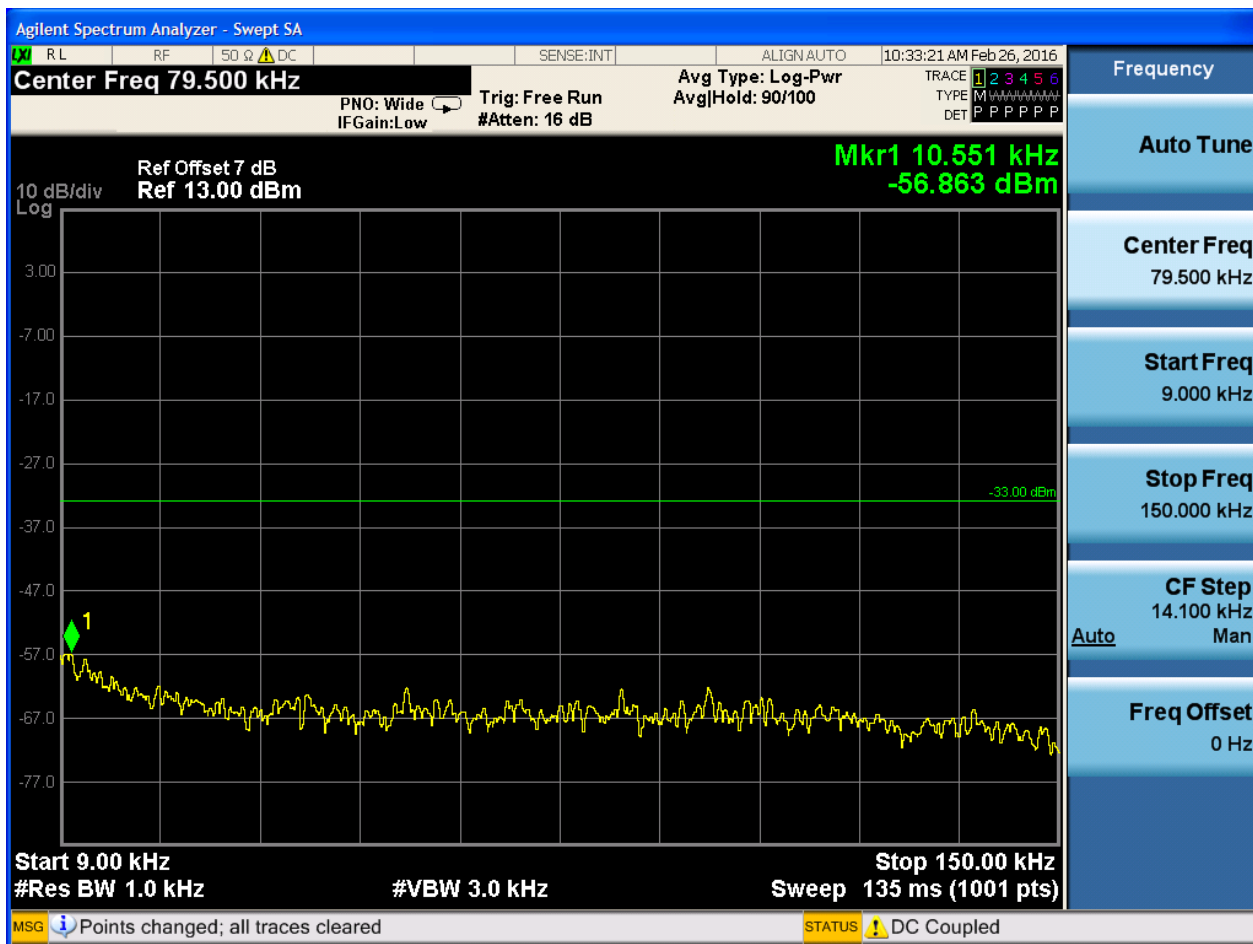




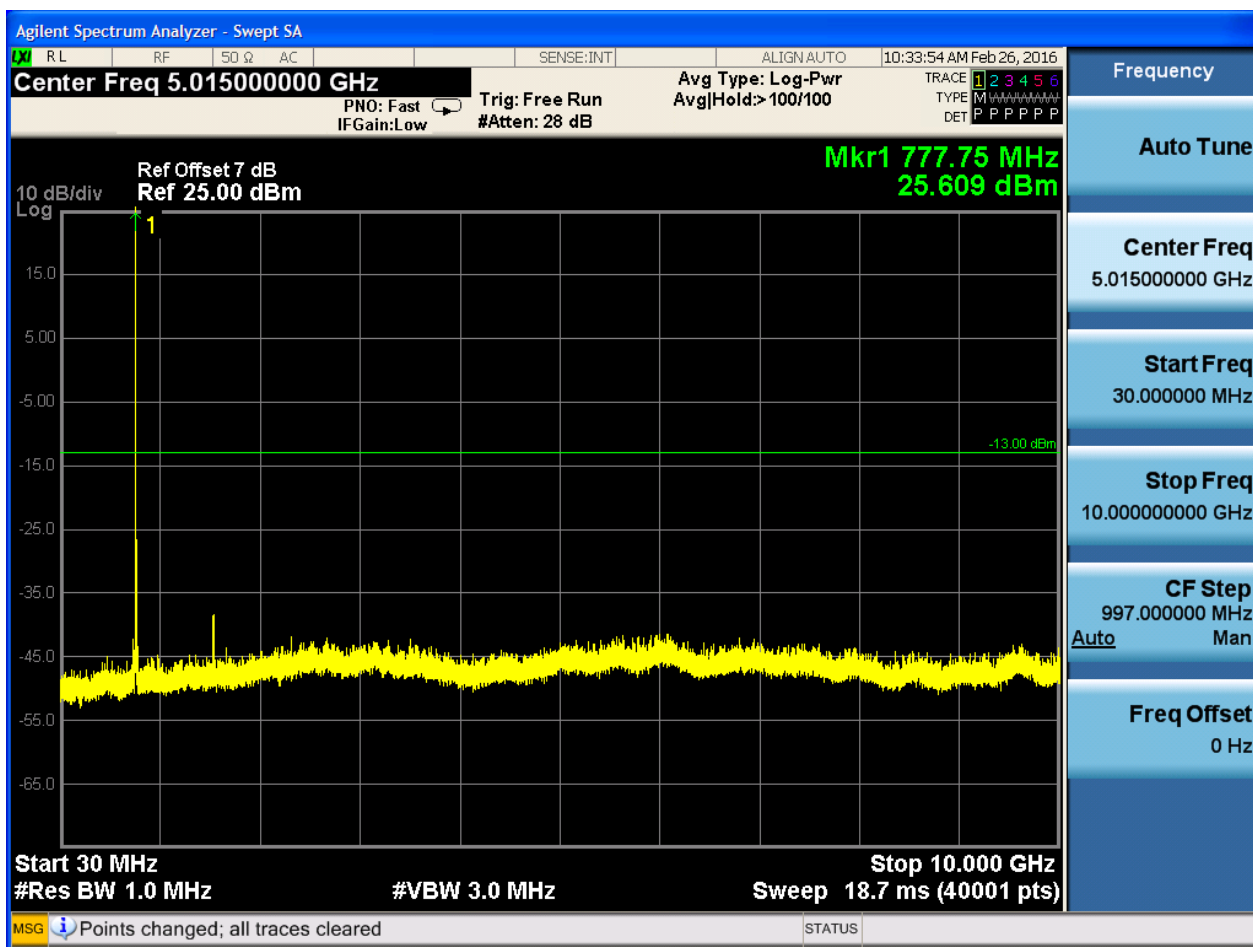


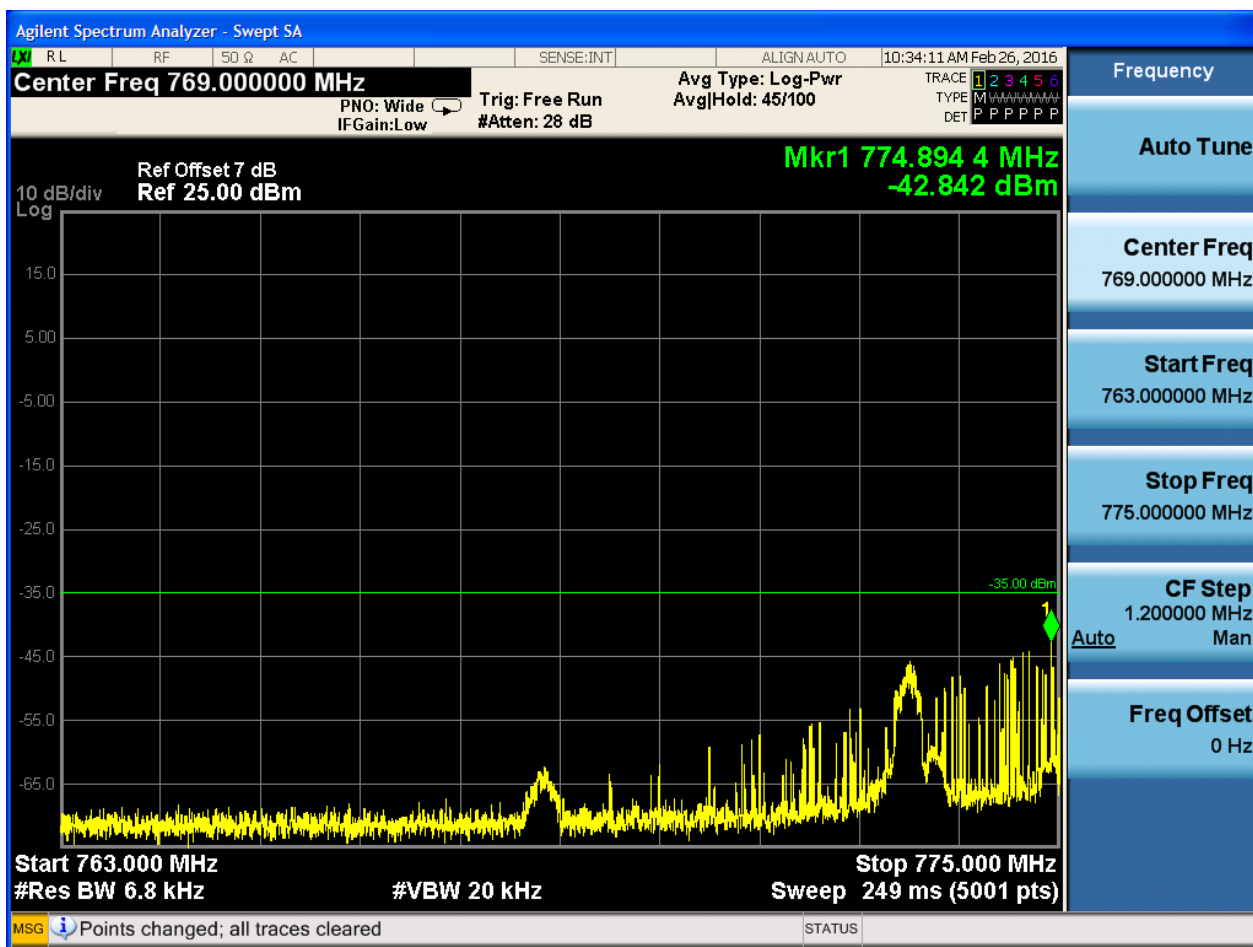
6.1.1.1.2.3 Test Channel = HCH

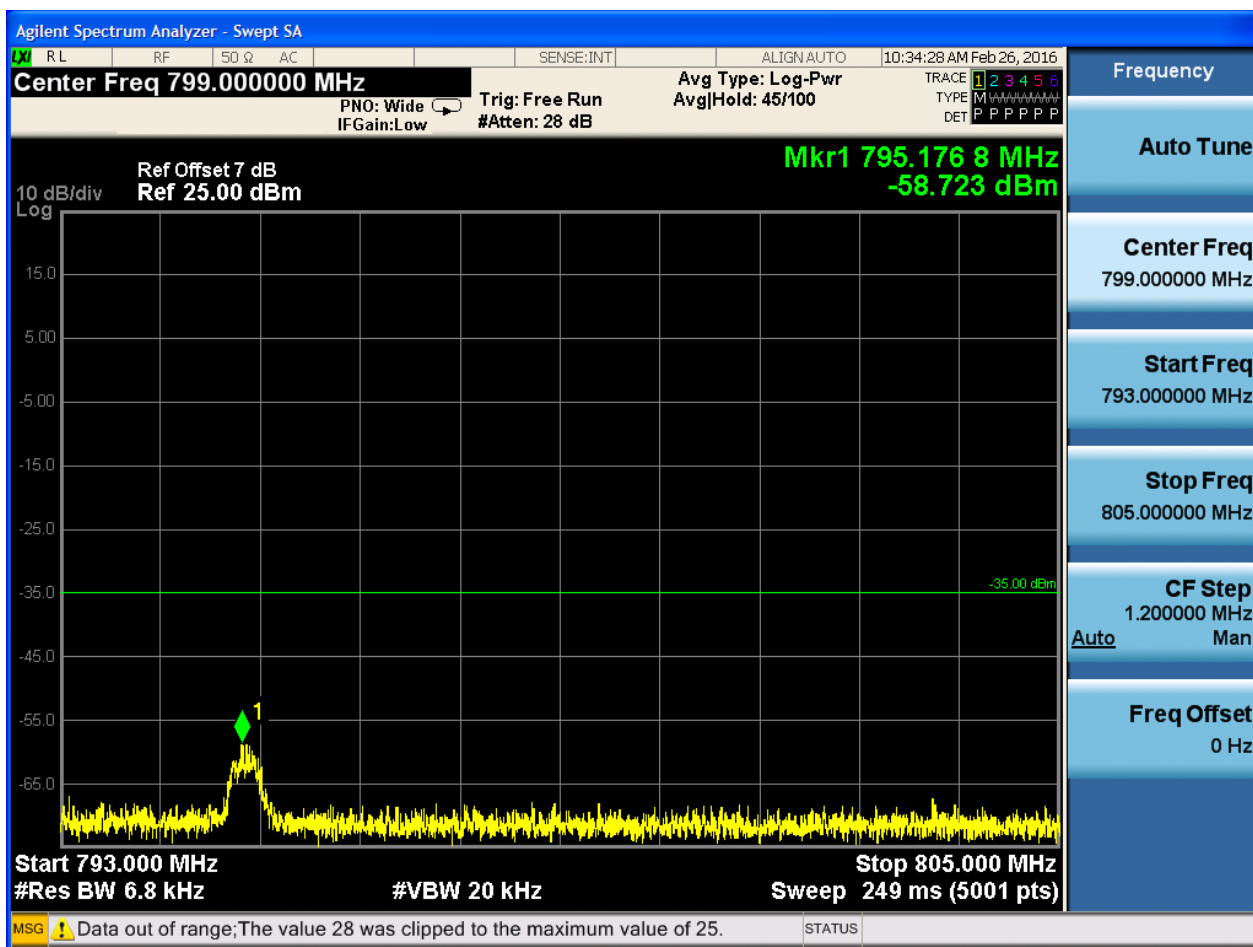
6.1.1.1.2.3.1 Test RB = RB1#0











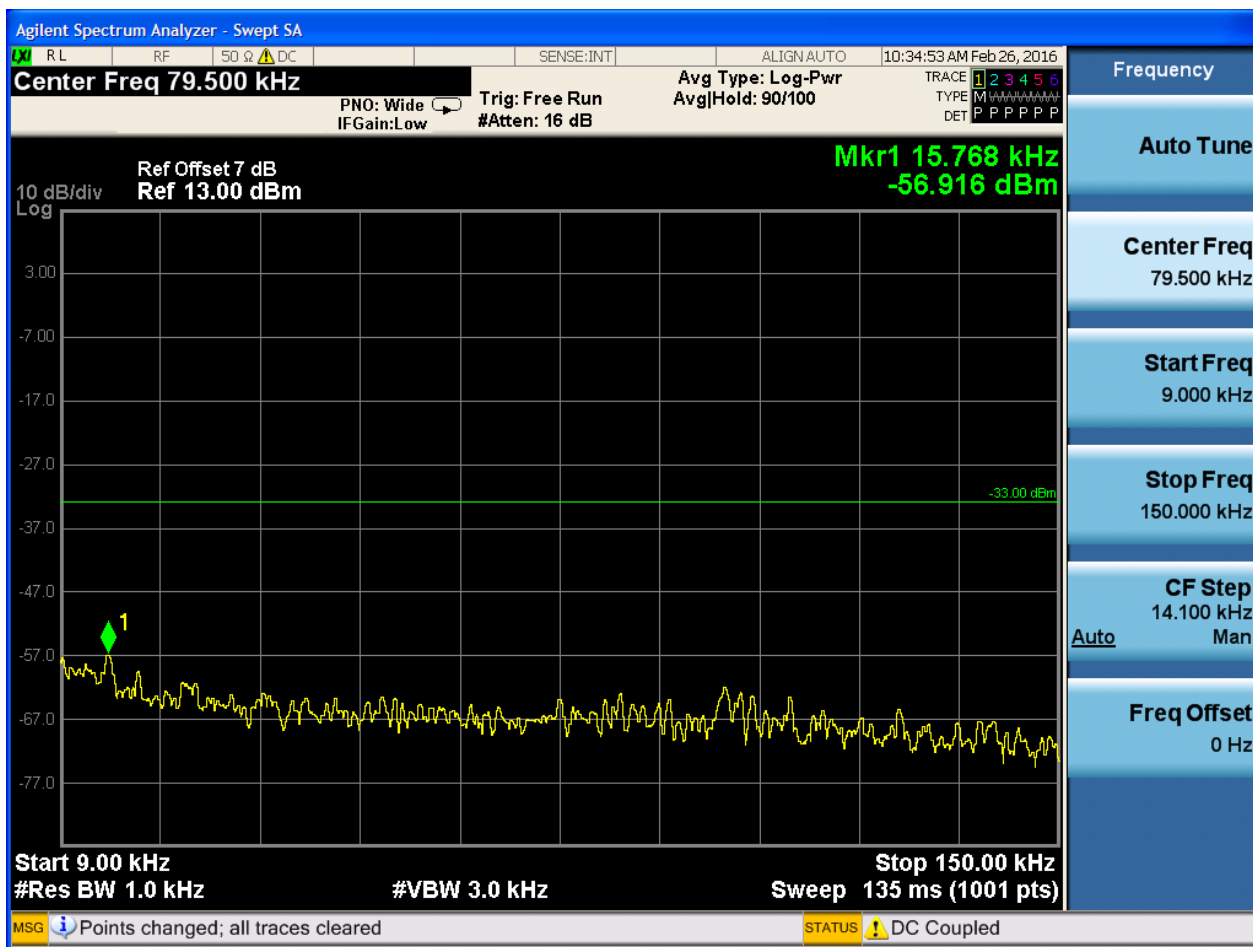


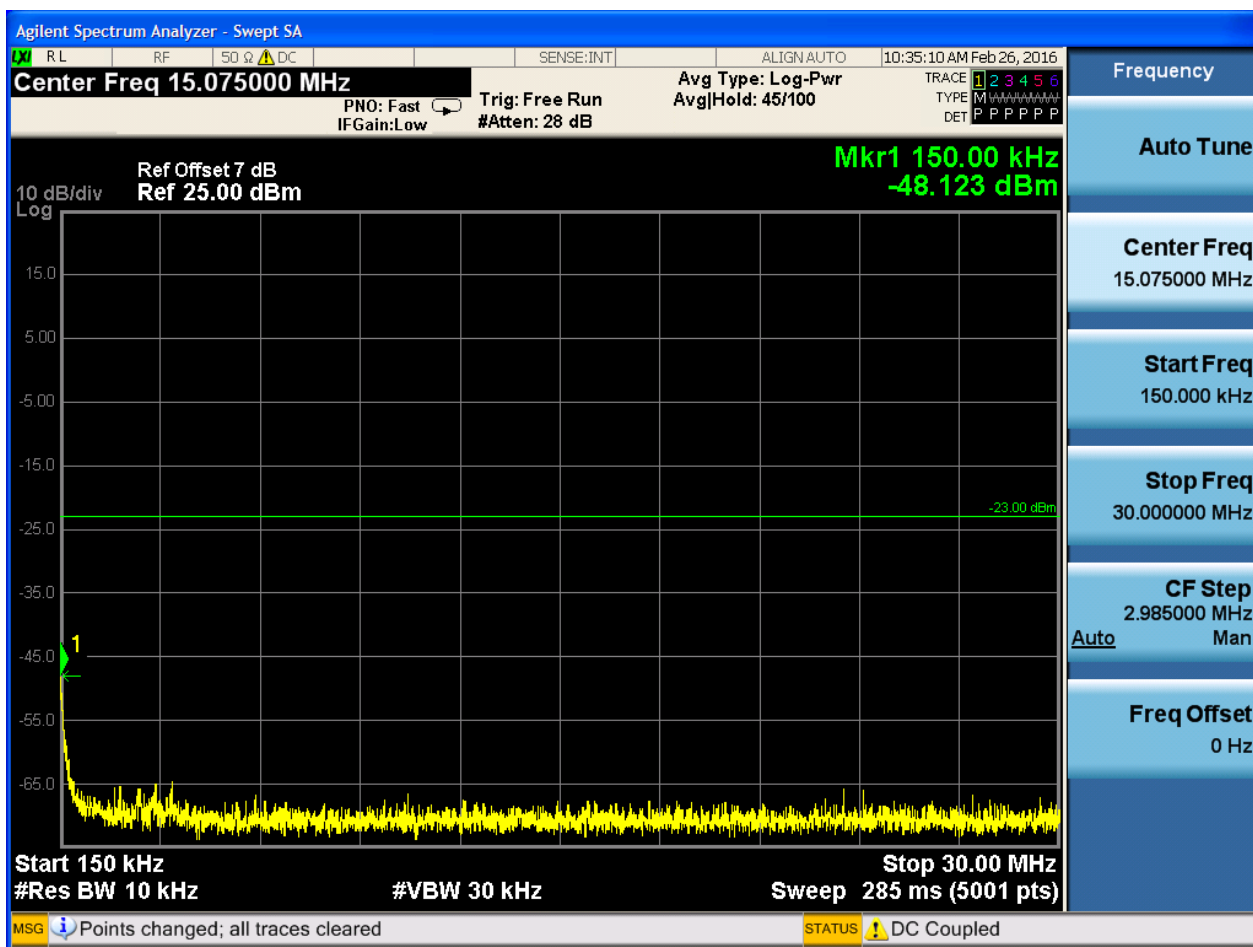
6.1.1.2 Test Mode = LTE/TM2

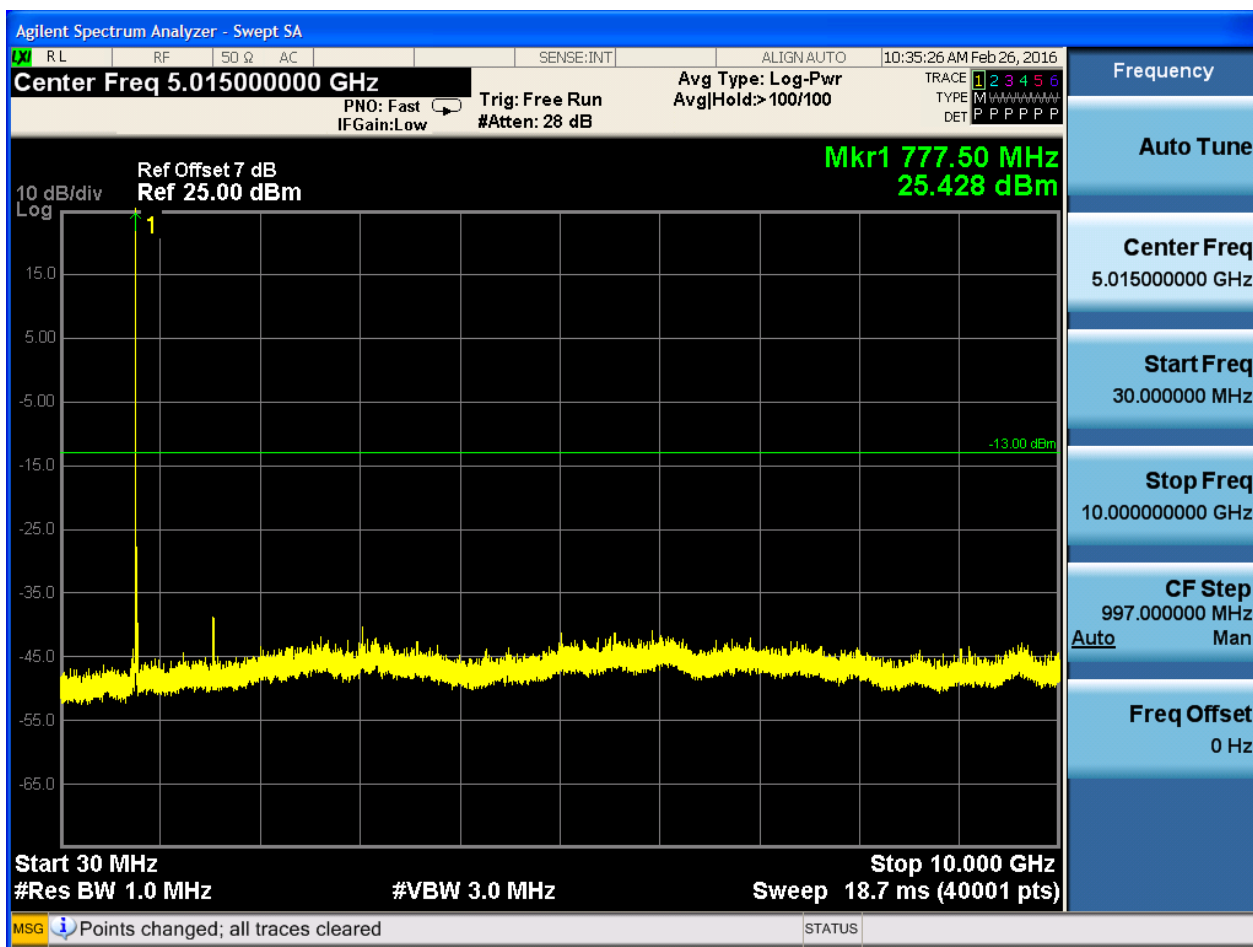
6.1.1.2.1 Test Bandwidth = 5

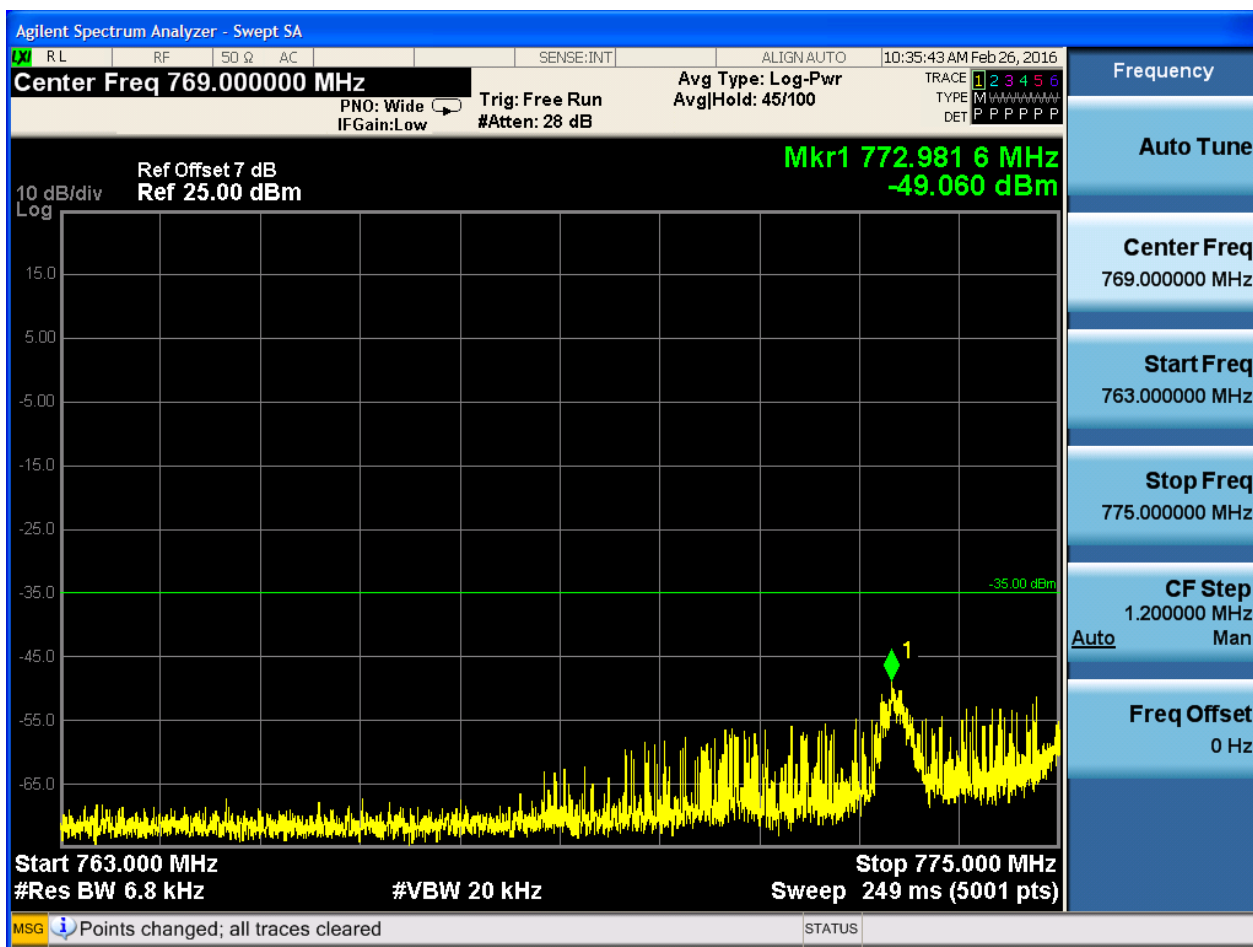
6.1.1.2.1.1 Test Channel = LCH

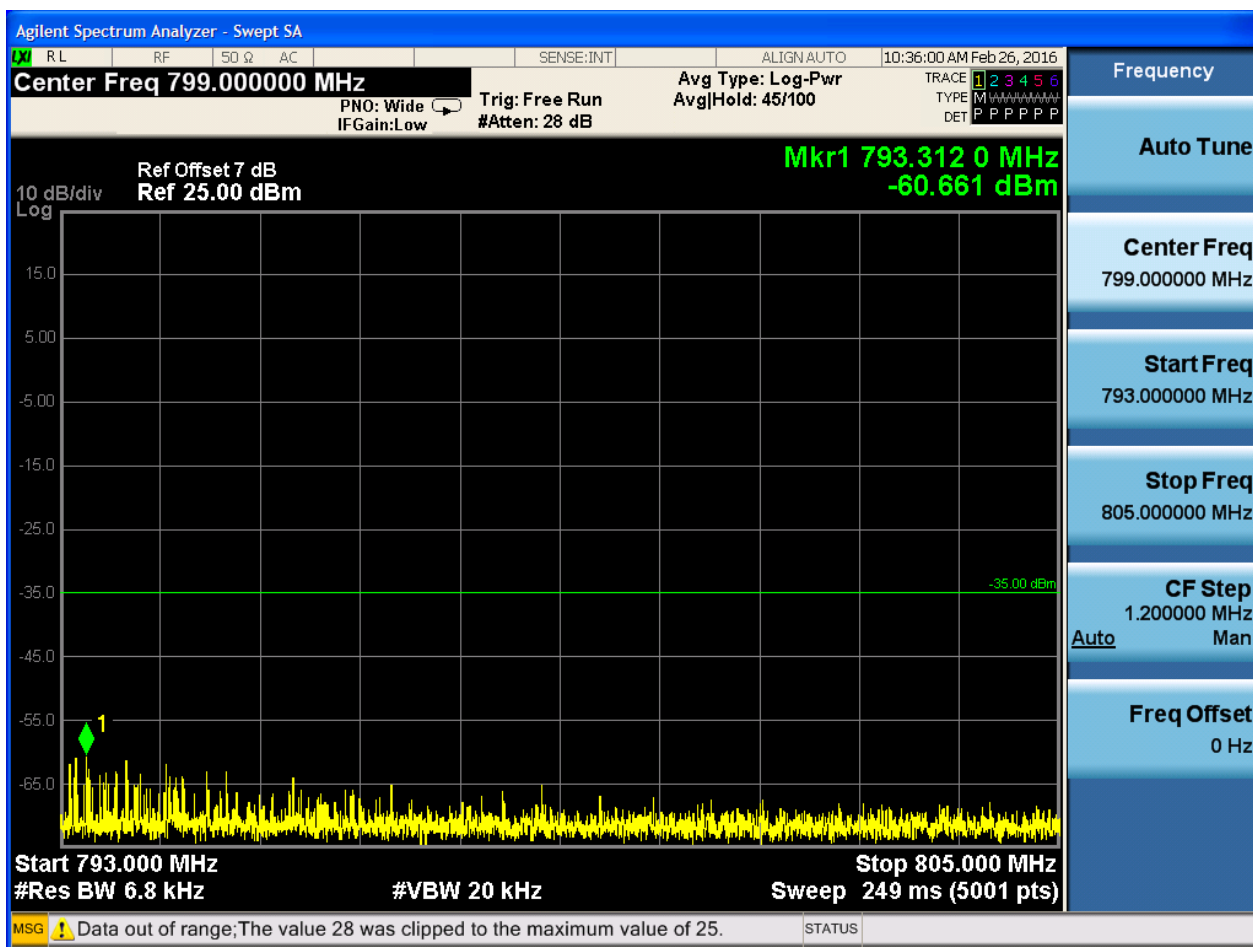
6.1.1.2.1.1.1 Test RB = RB1#0







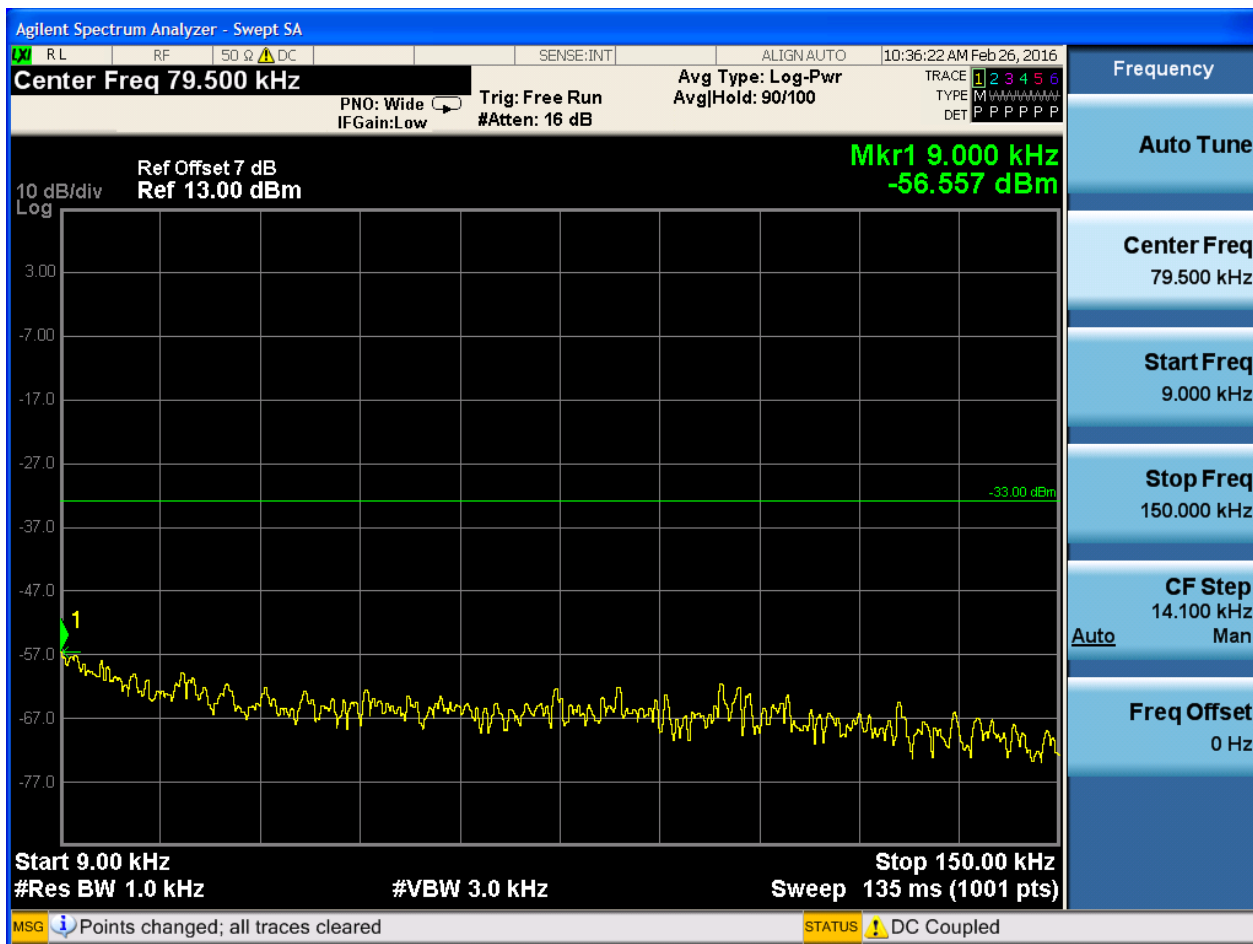


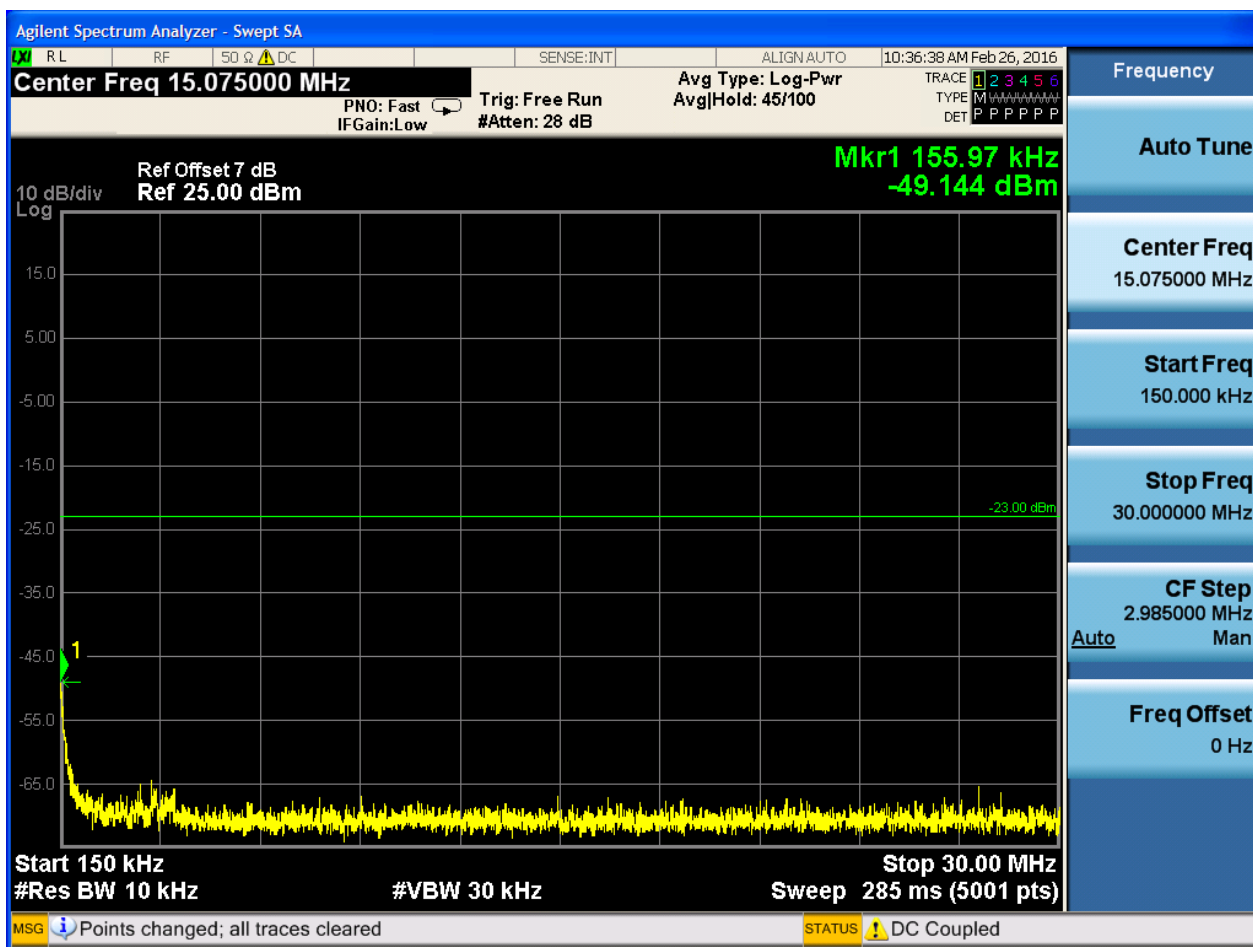


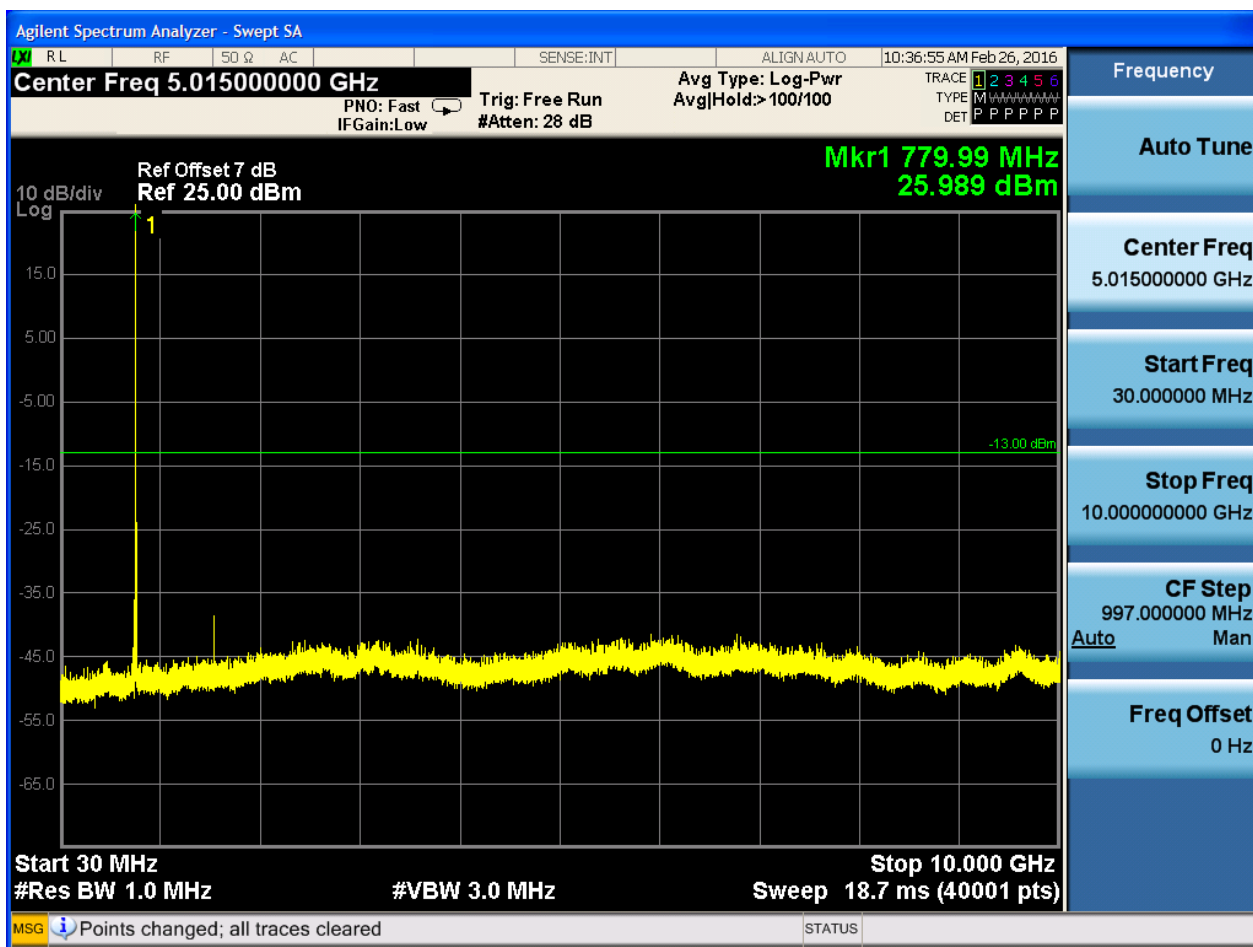


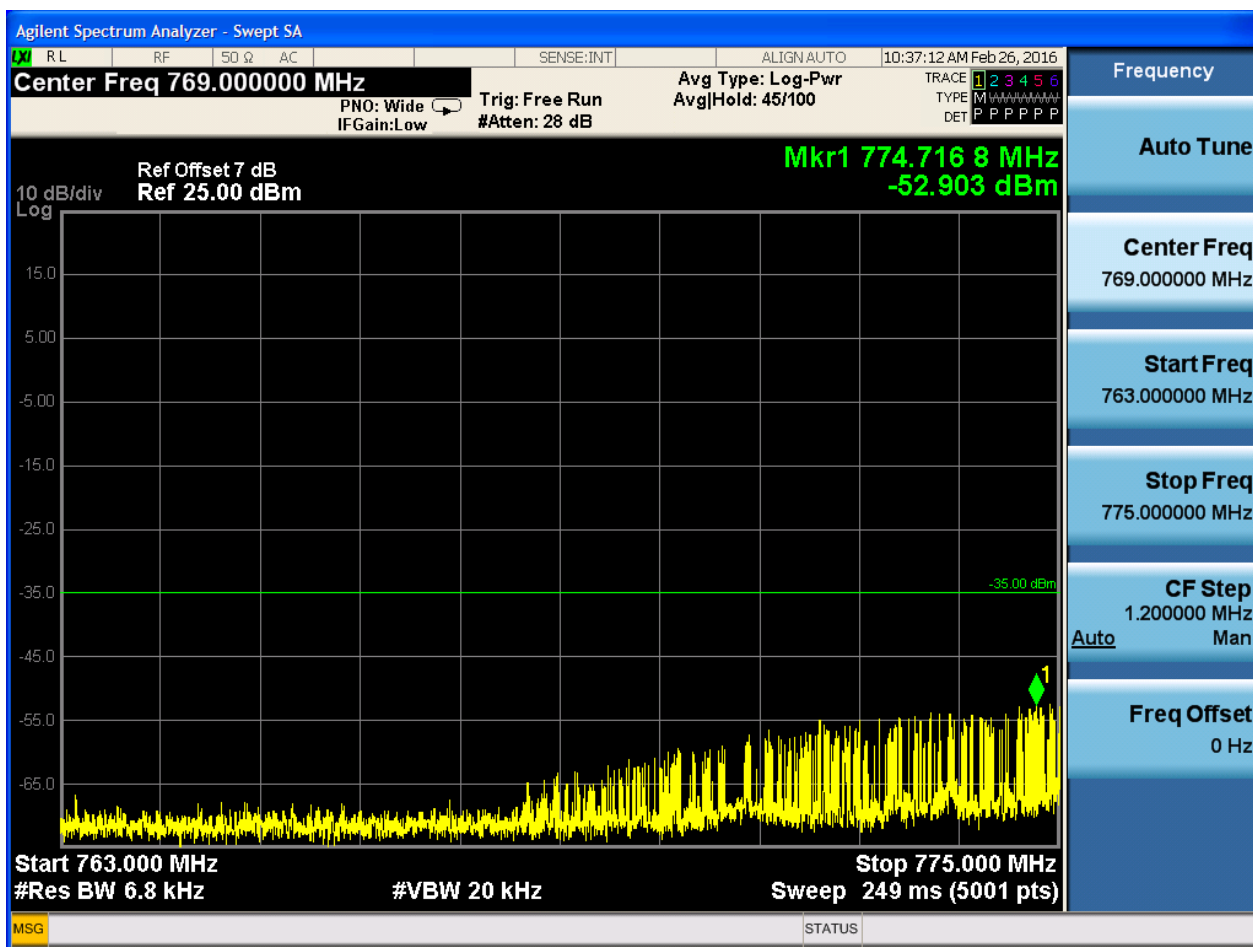
6.1.1.2.1.2 Test Channel = MCH

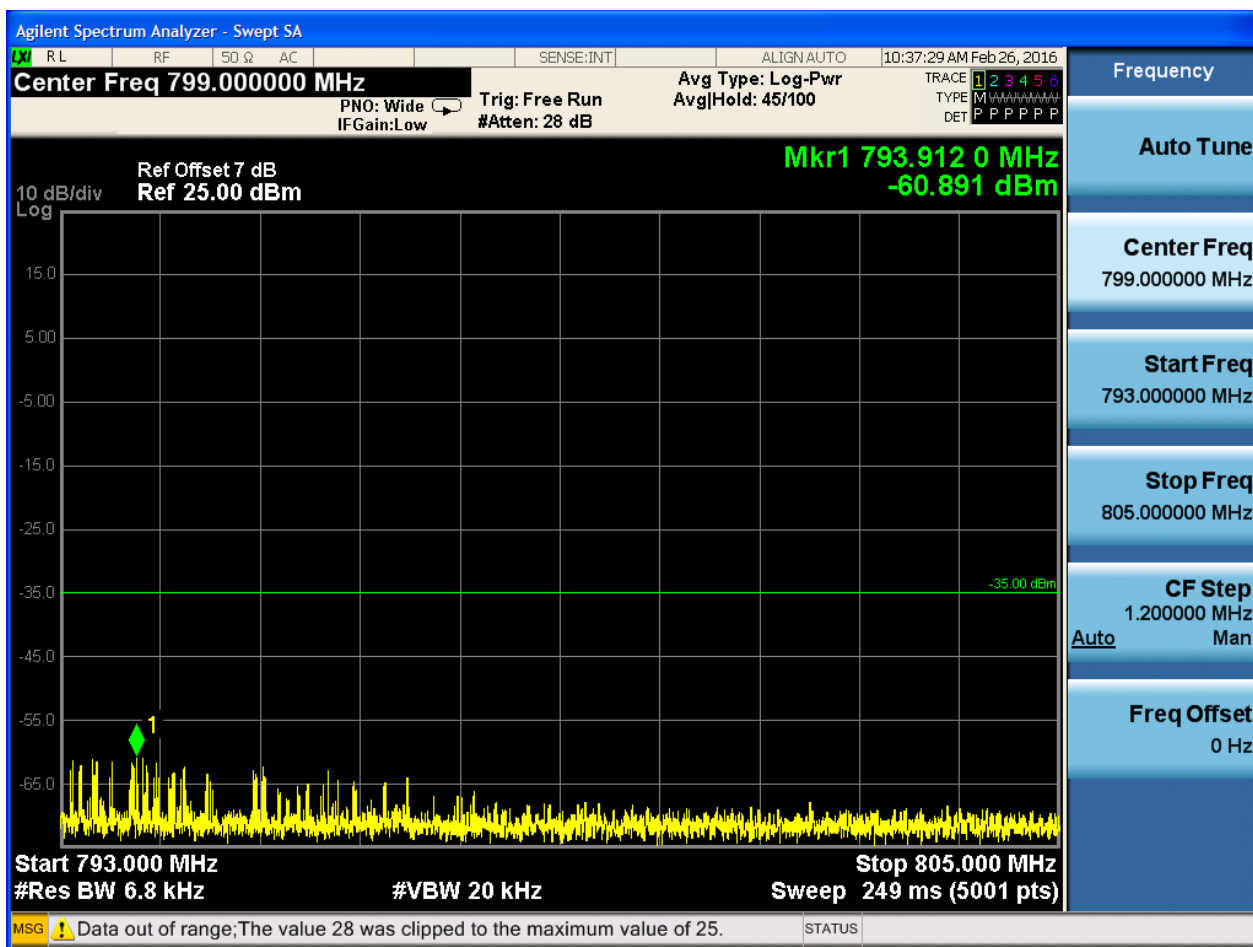
6.1.1.2.1.2.1 Test RB = RB1#0







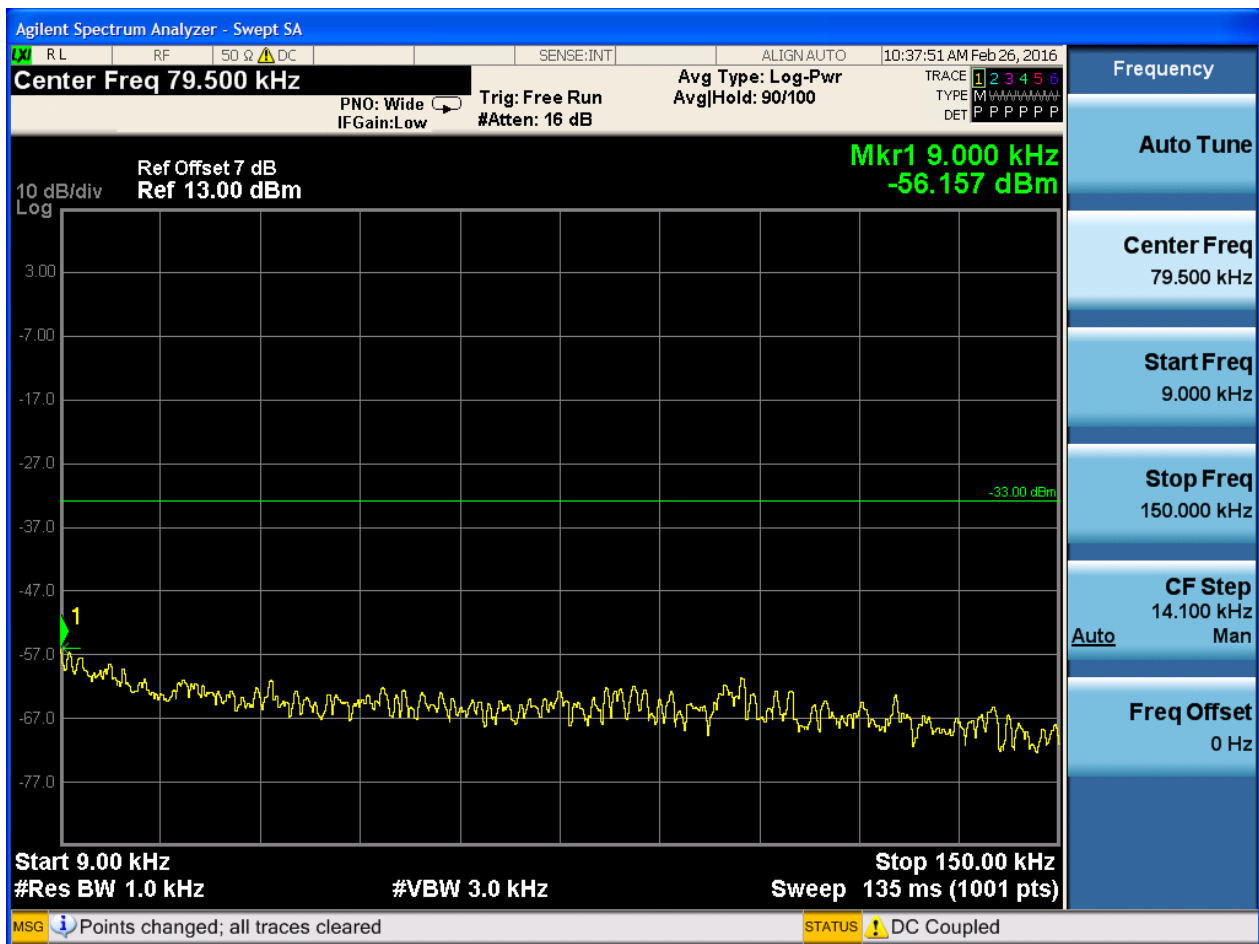


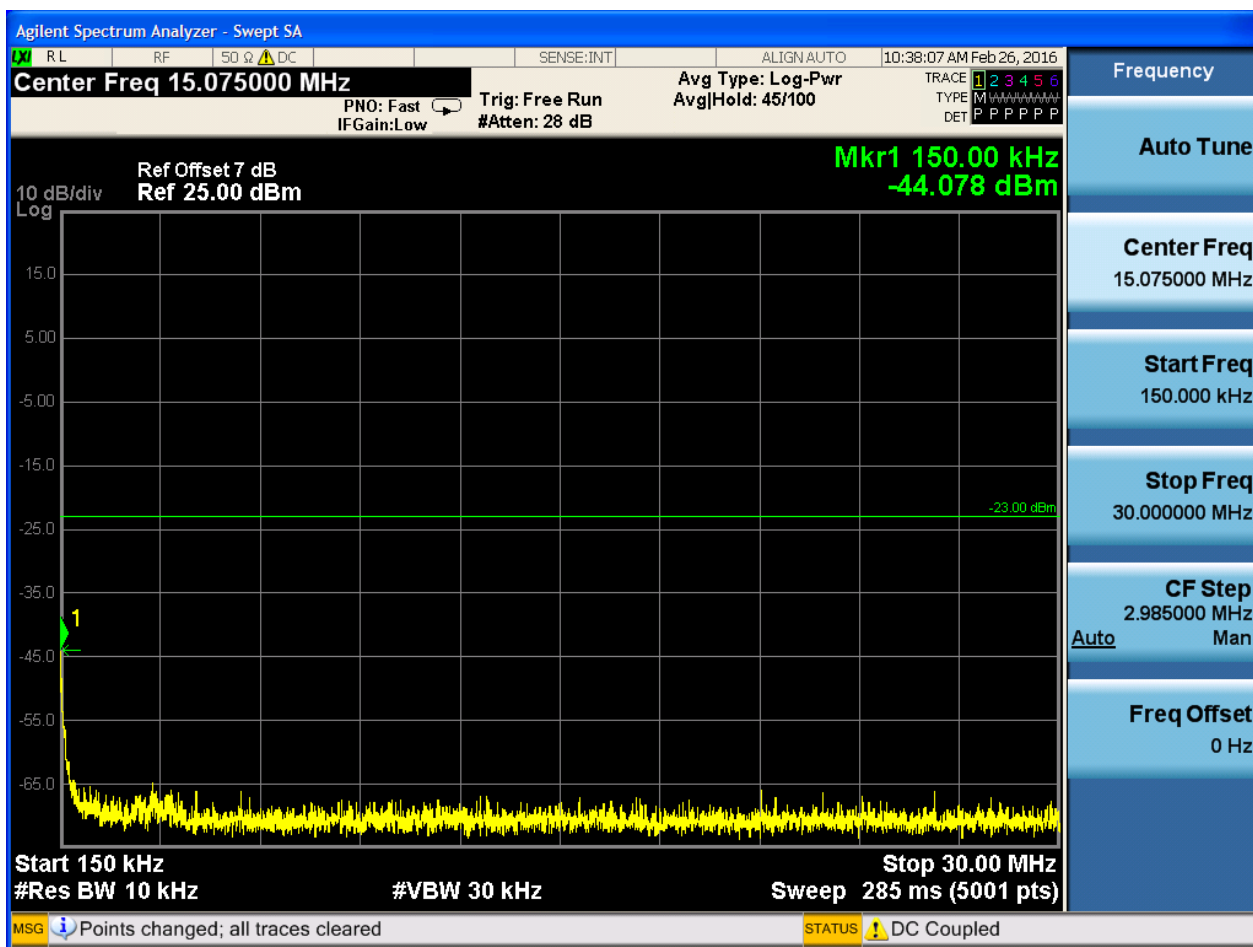


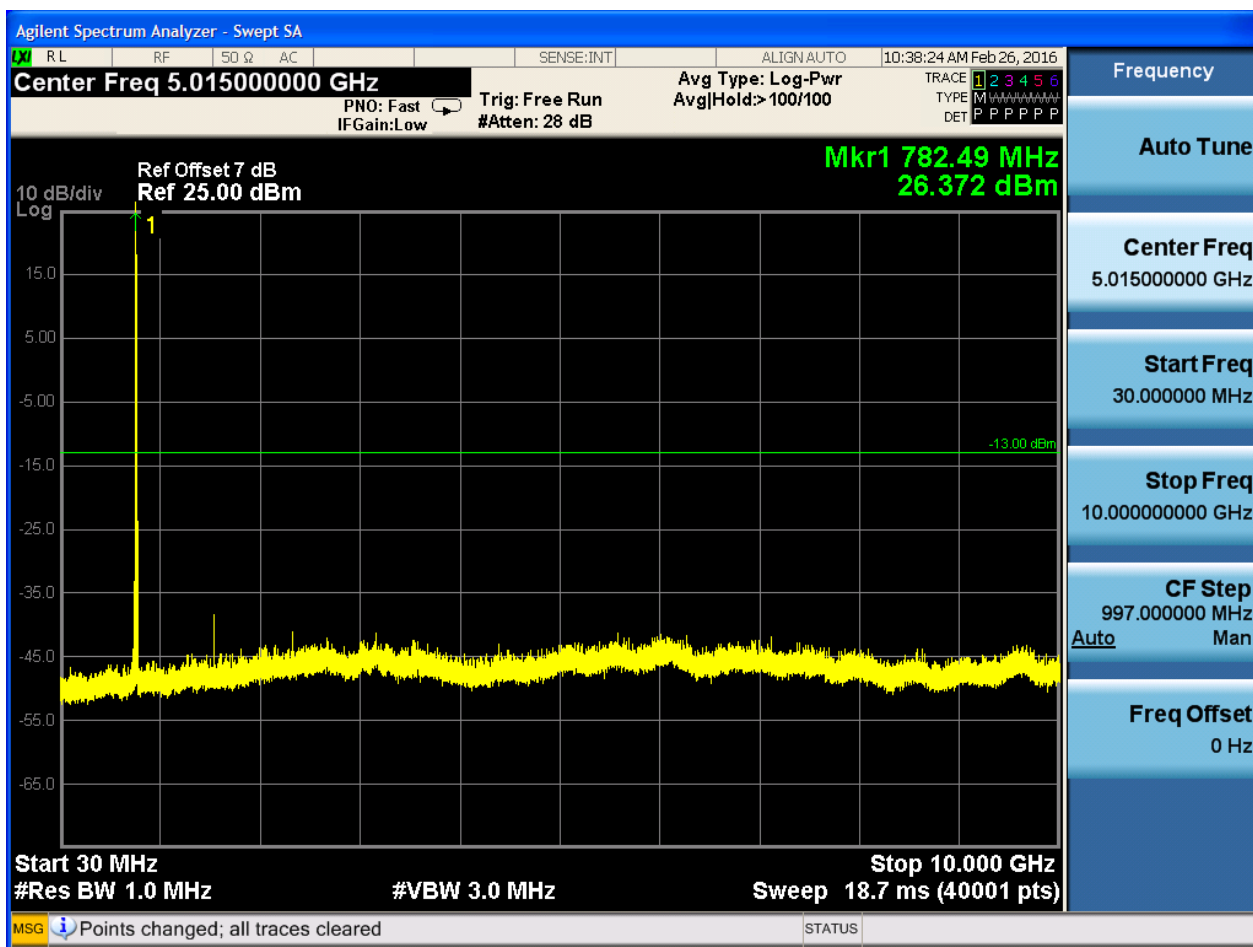


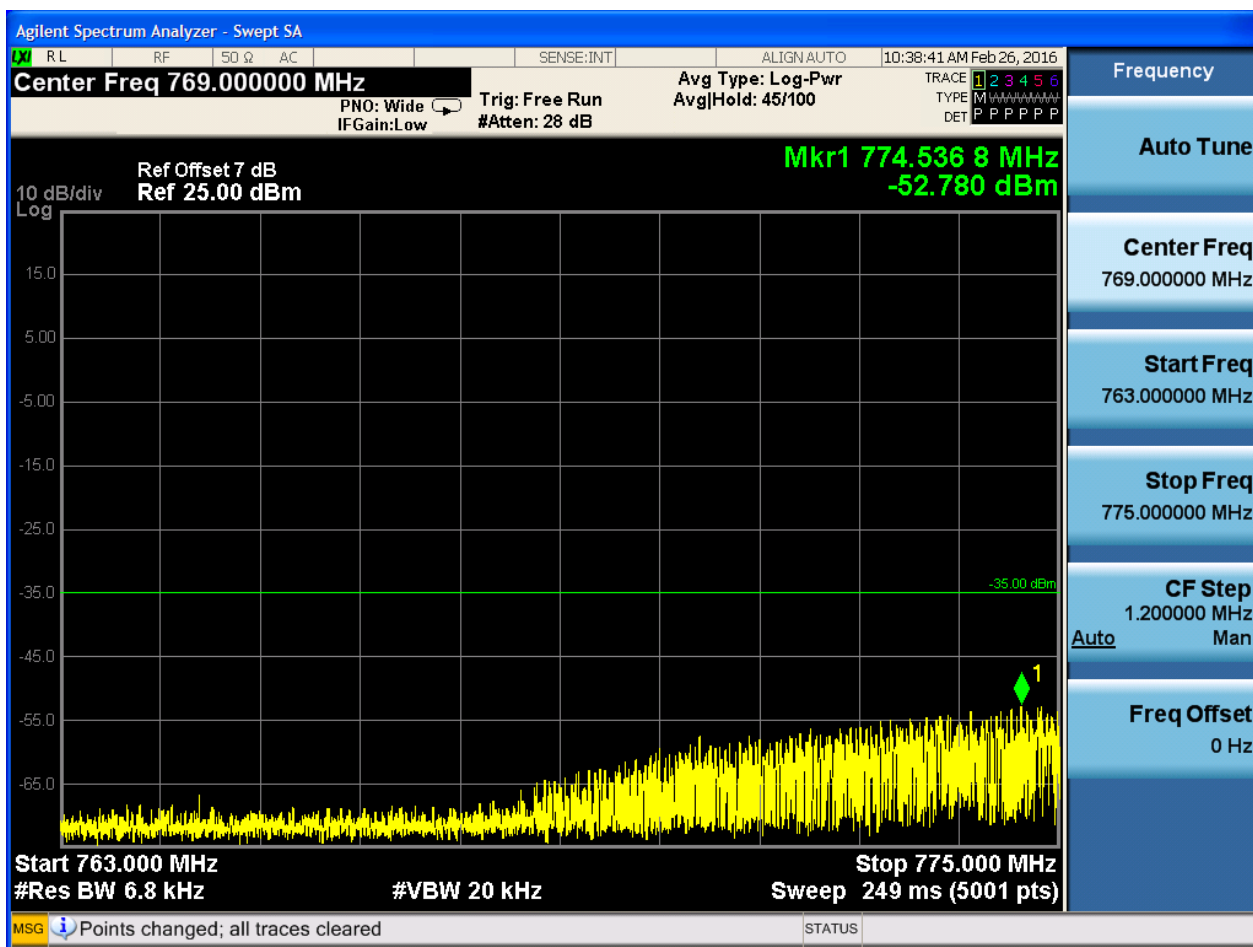
6.1.1.2.1.3 Test Channel = HCH

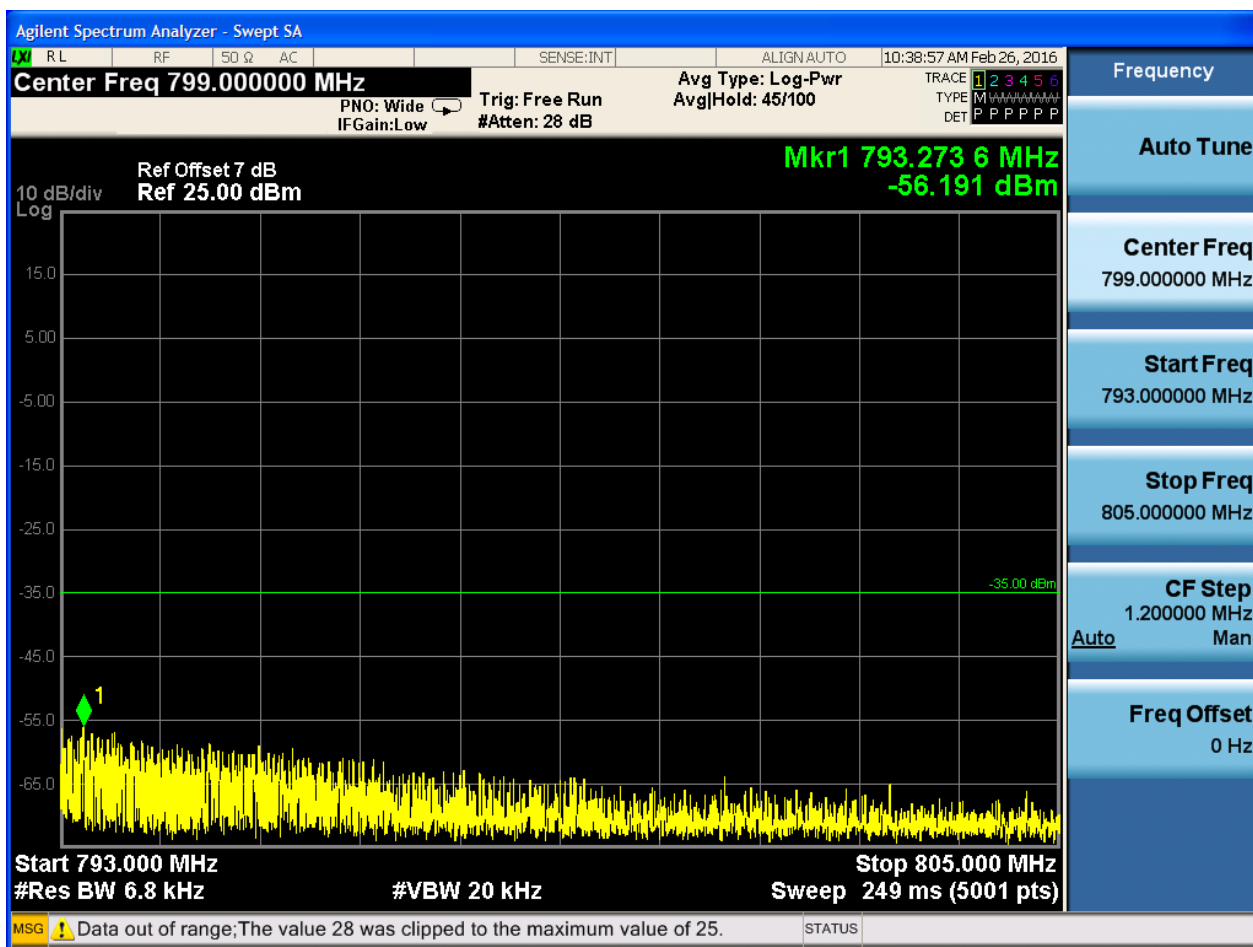
6.1.1.2.1.3.1 Test RB = RB1#0









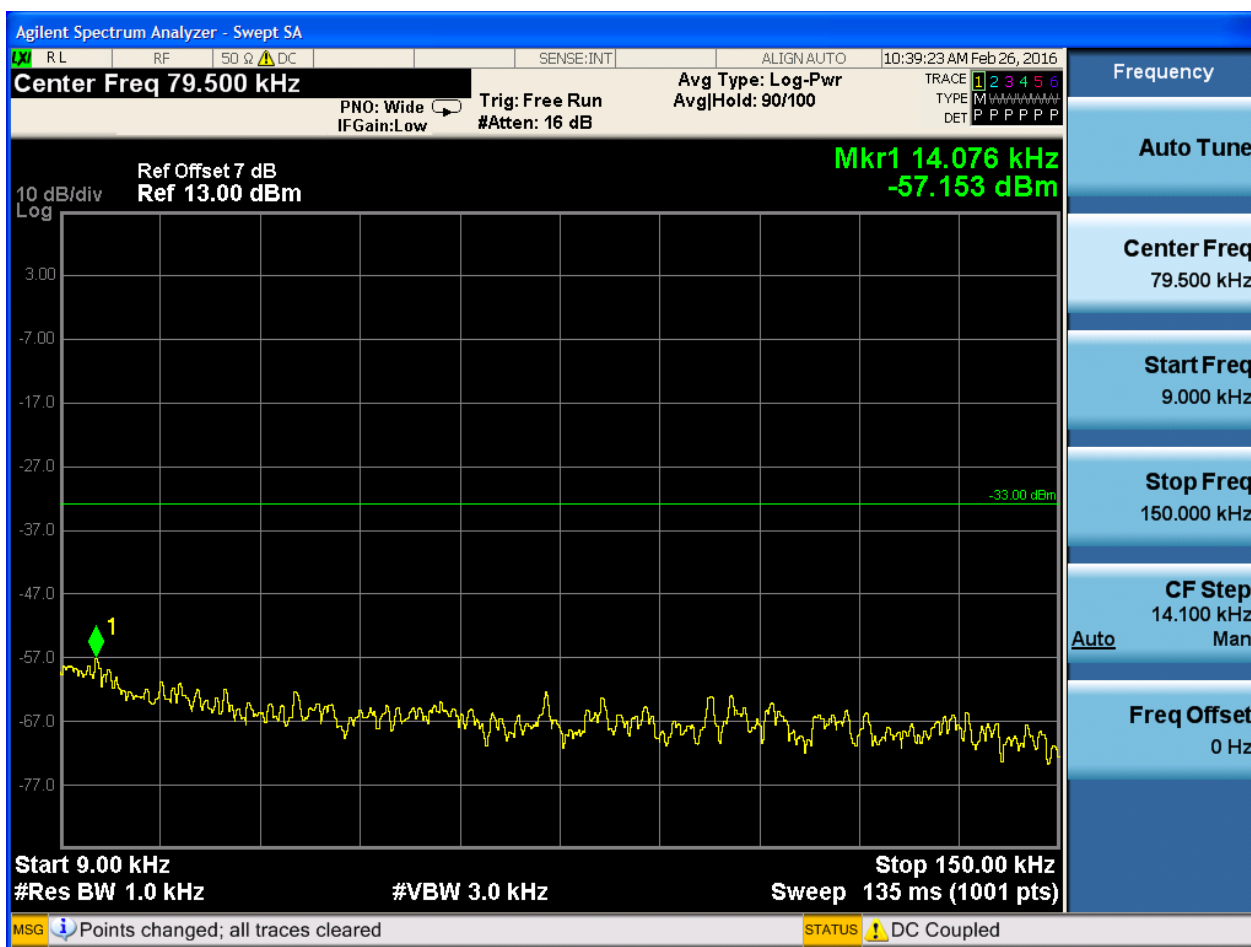


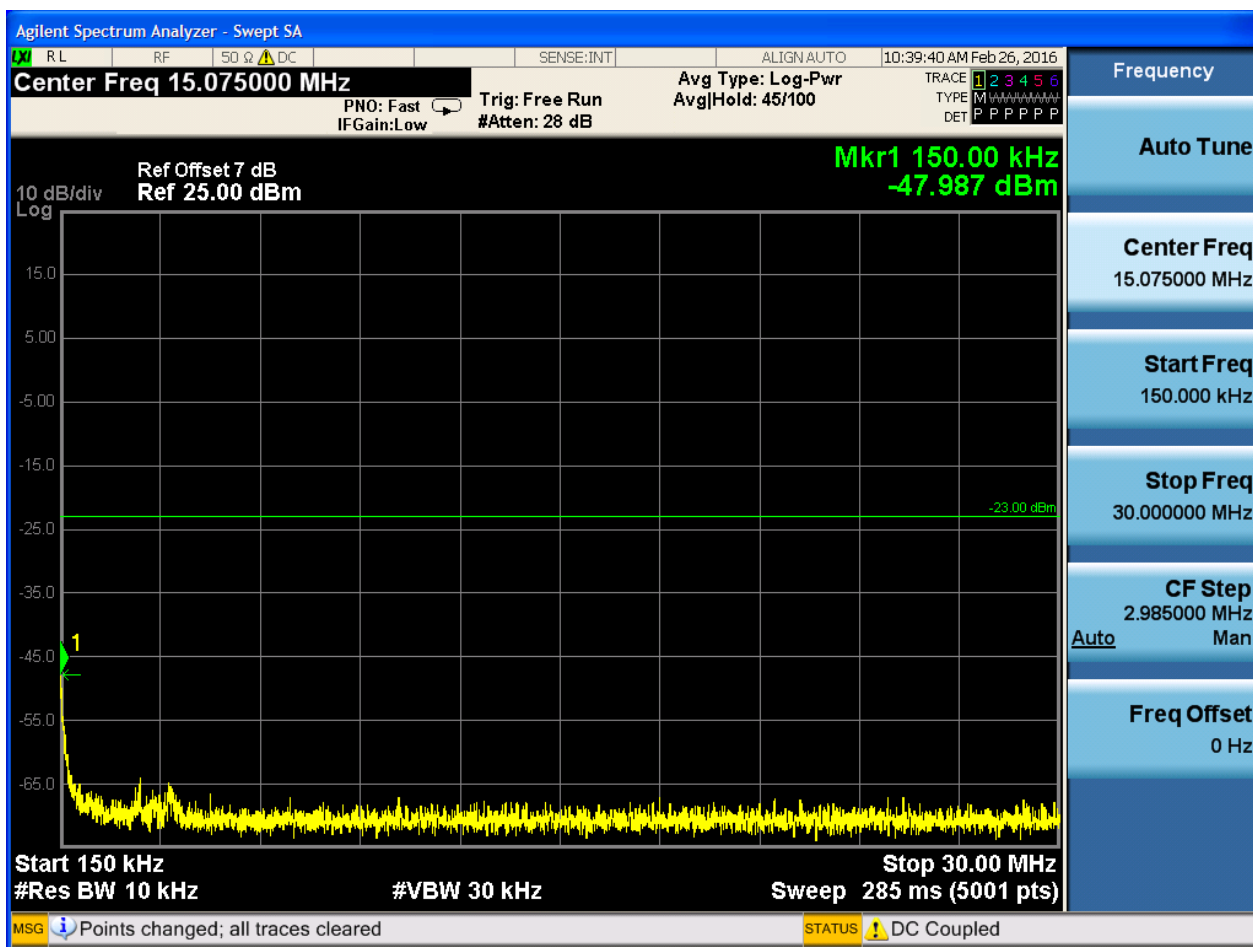


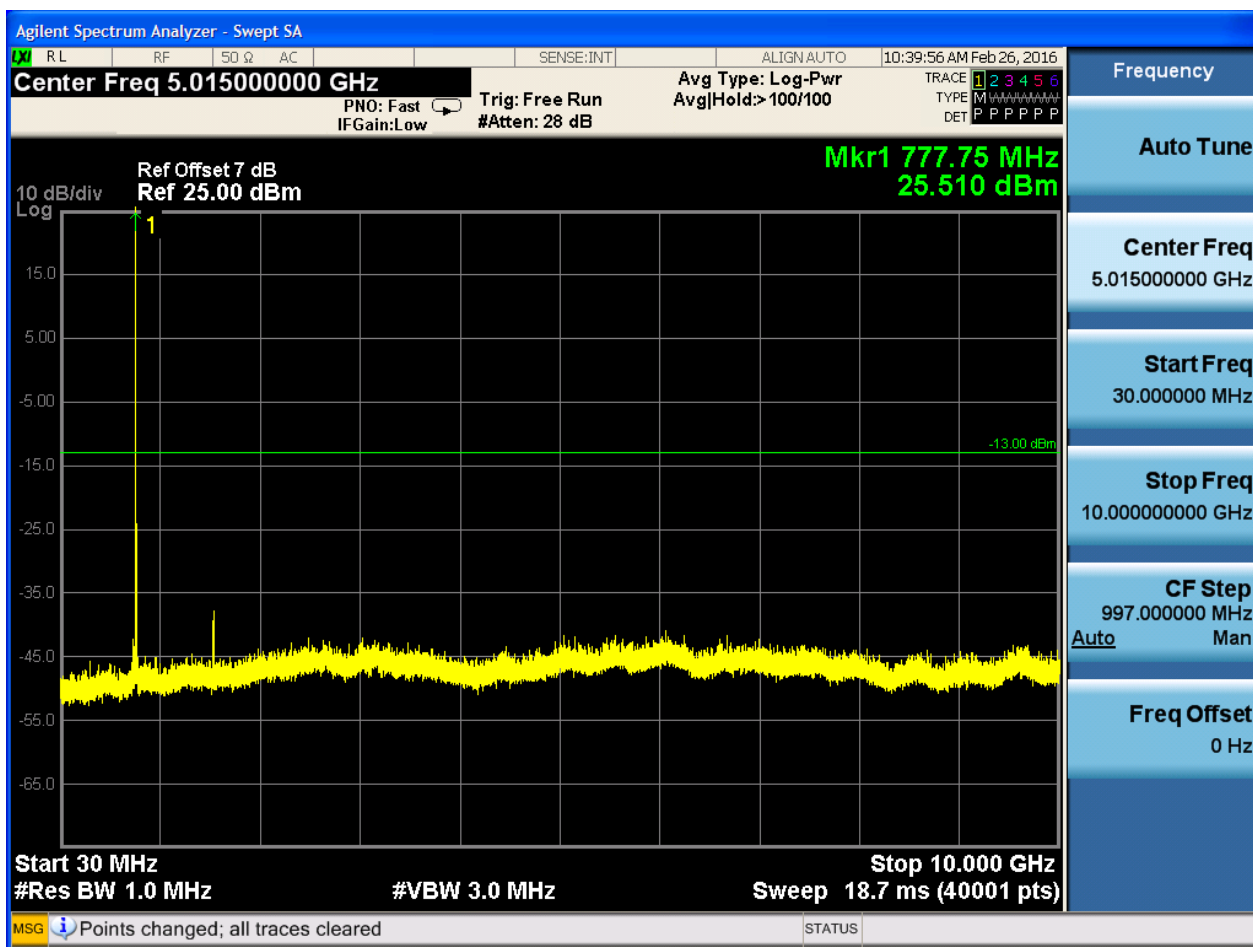
6.1.1.2.2 Test Bandwidth = 10

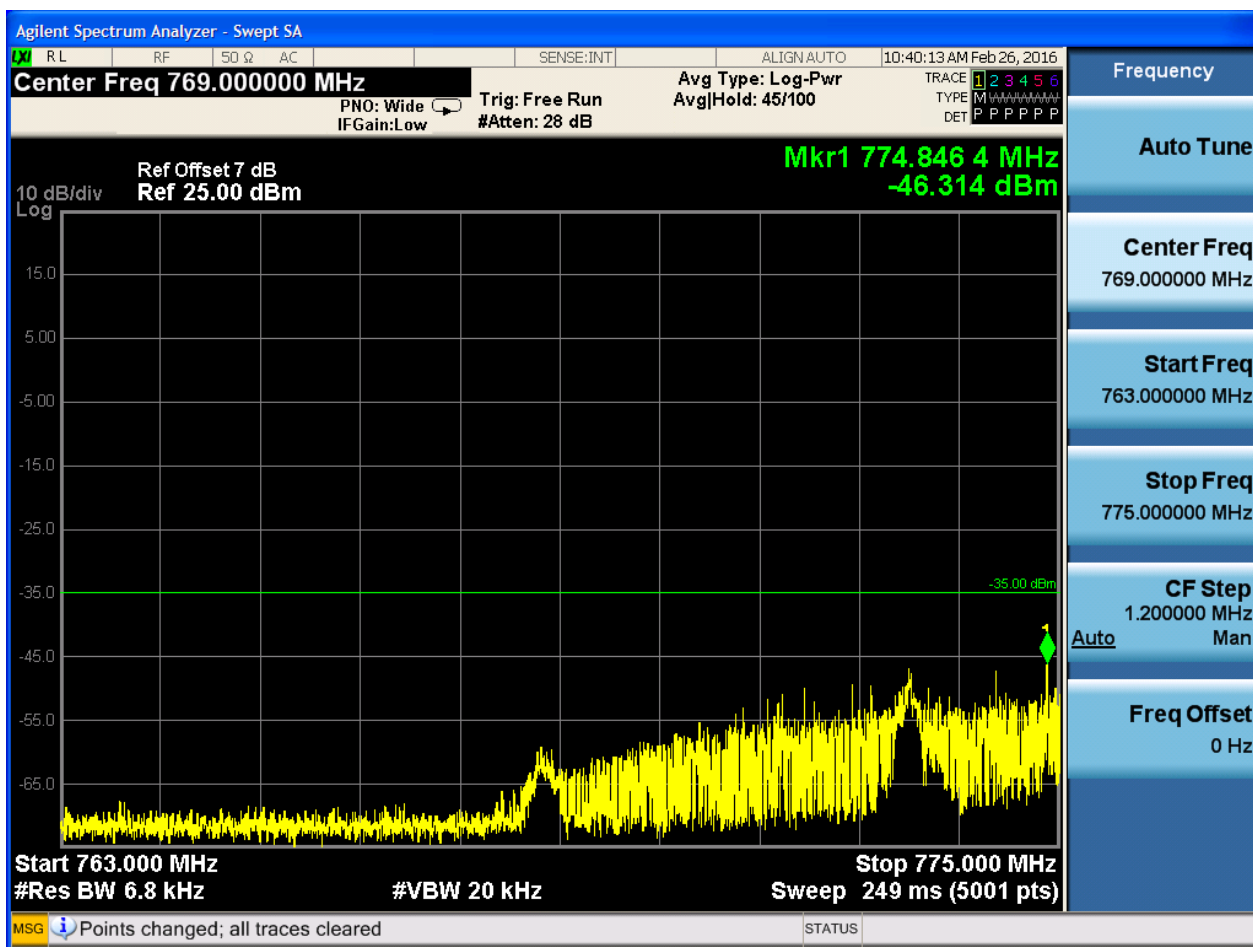
6.1.1.2.2.1 Test Channel = LCH

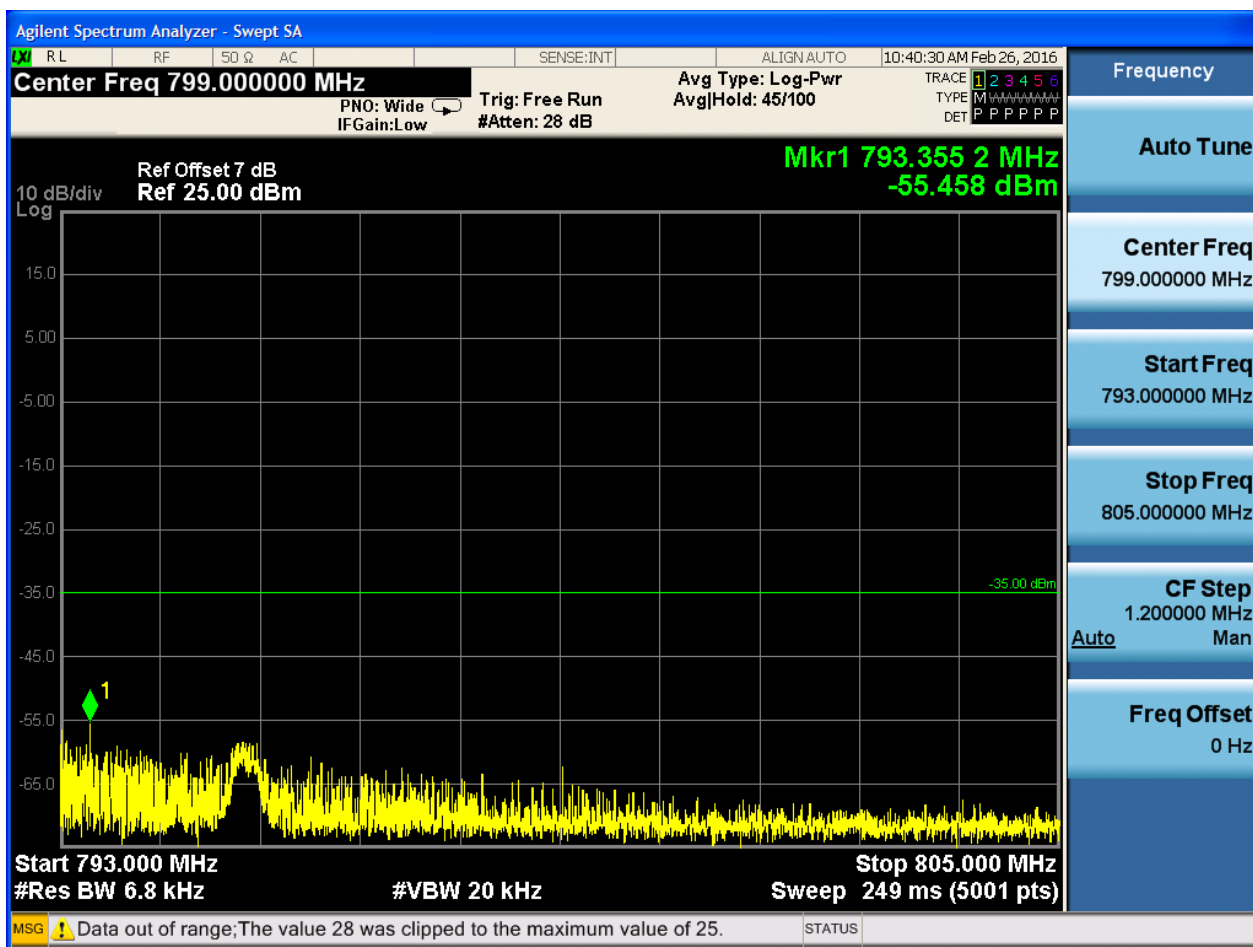
6.1.1.2.2.1.1 Test RB = RB1#0







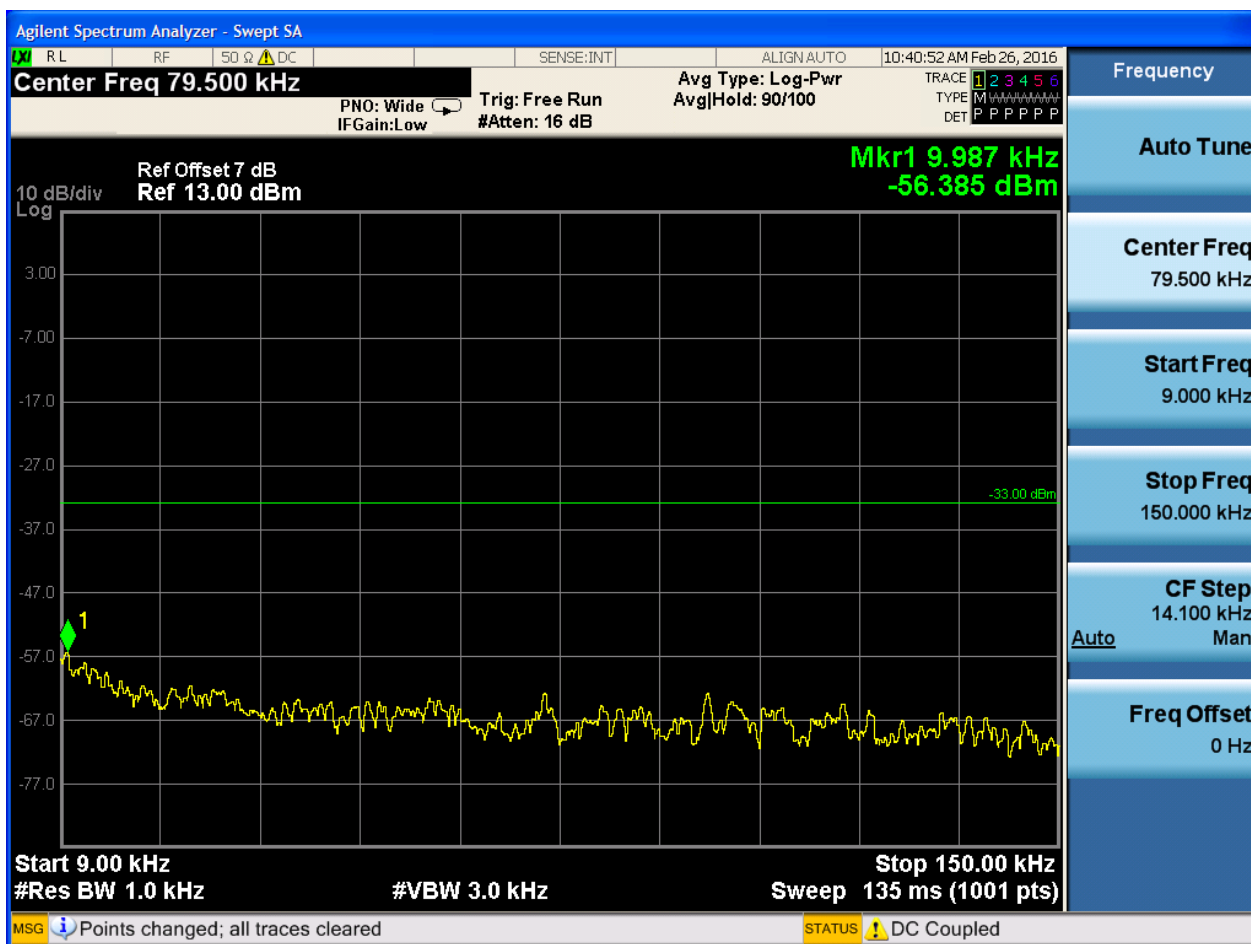


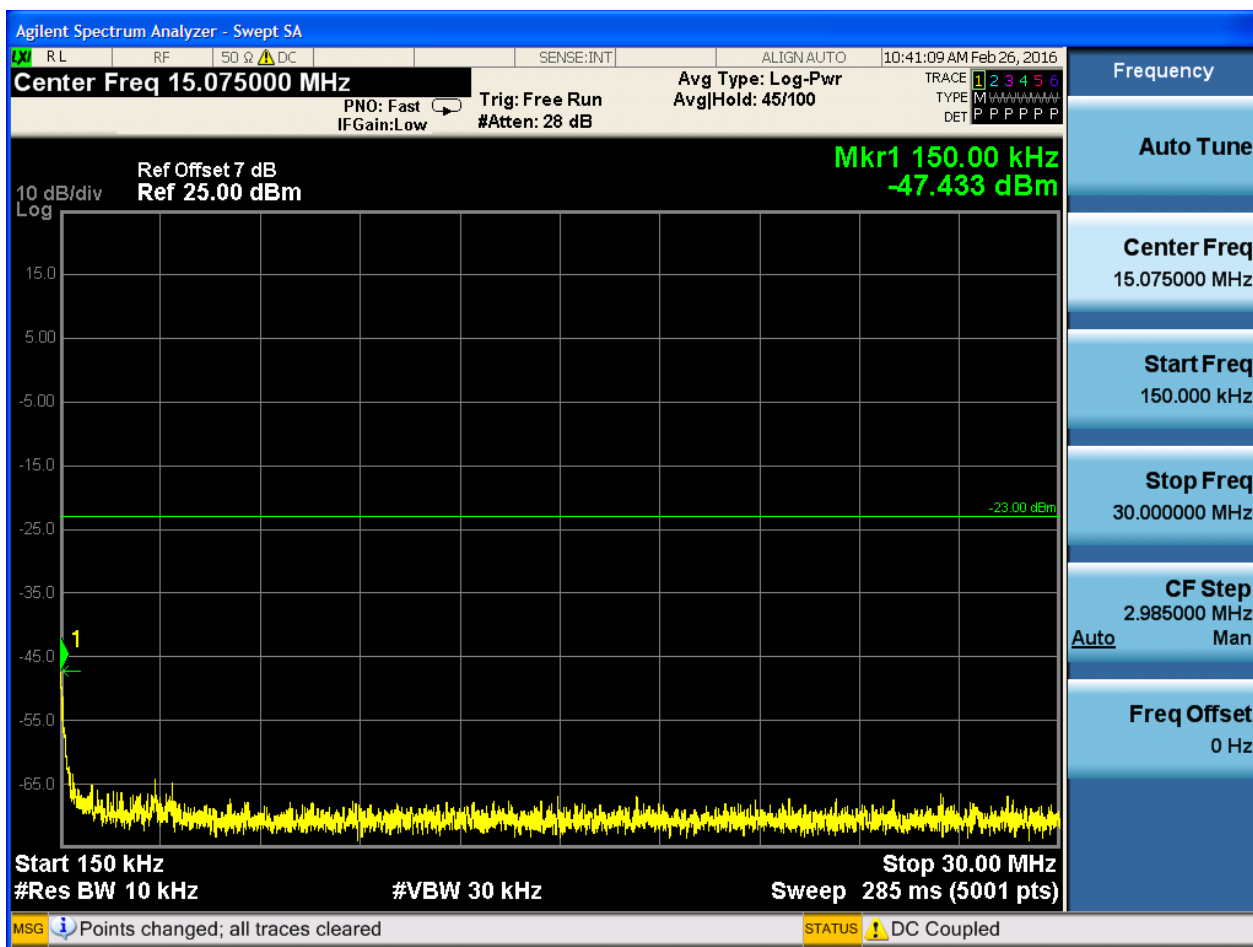


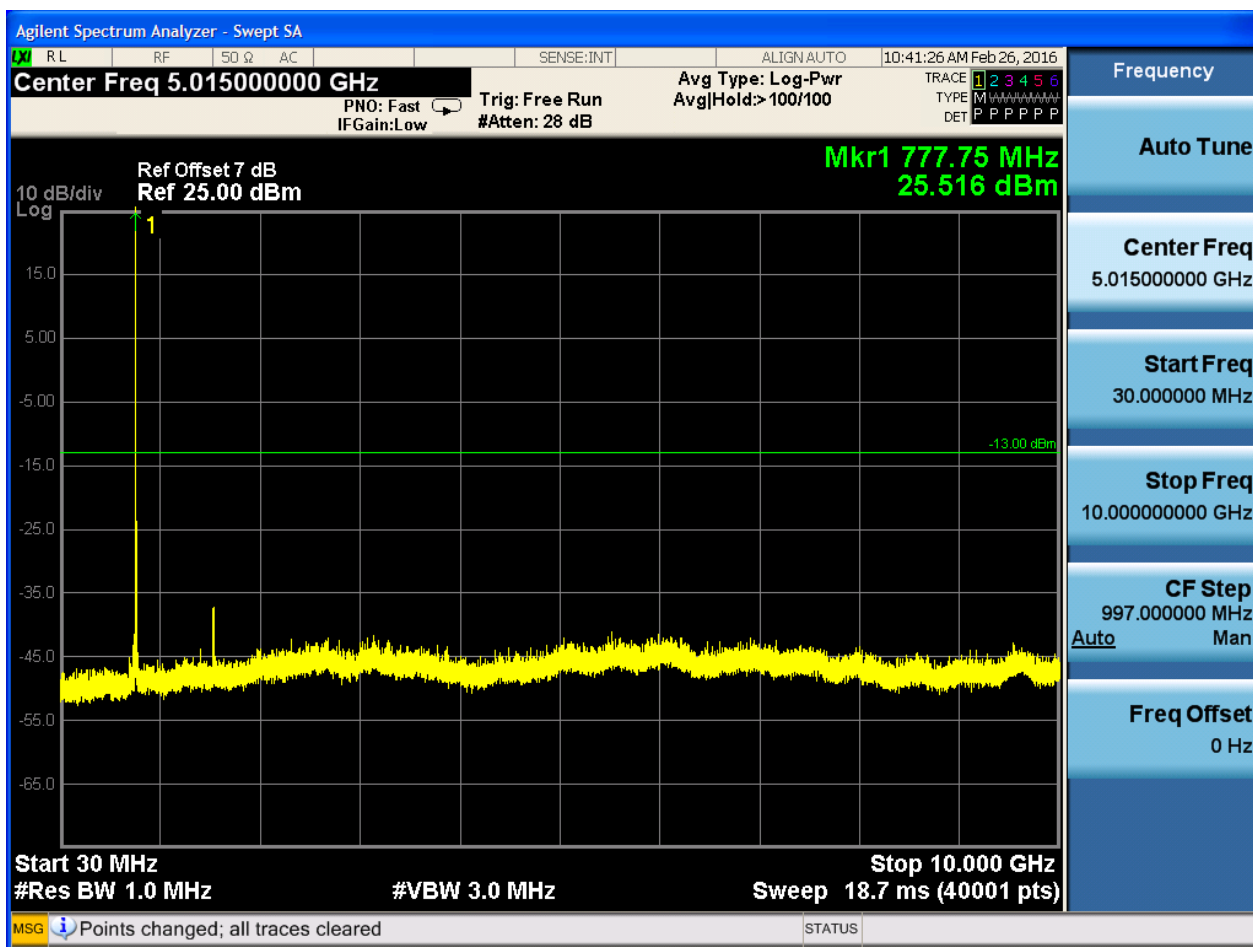


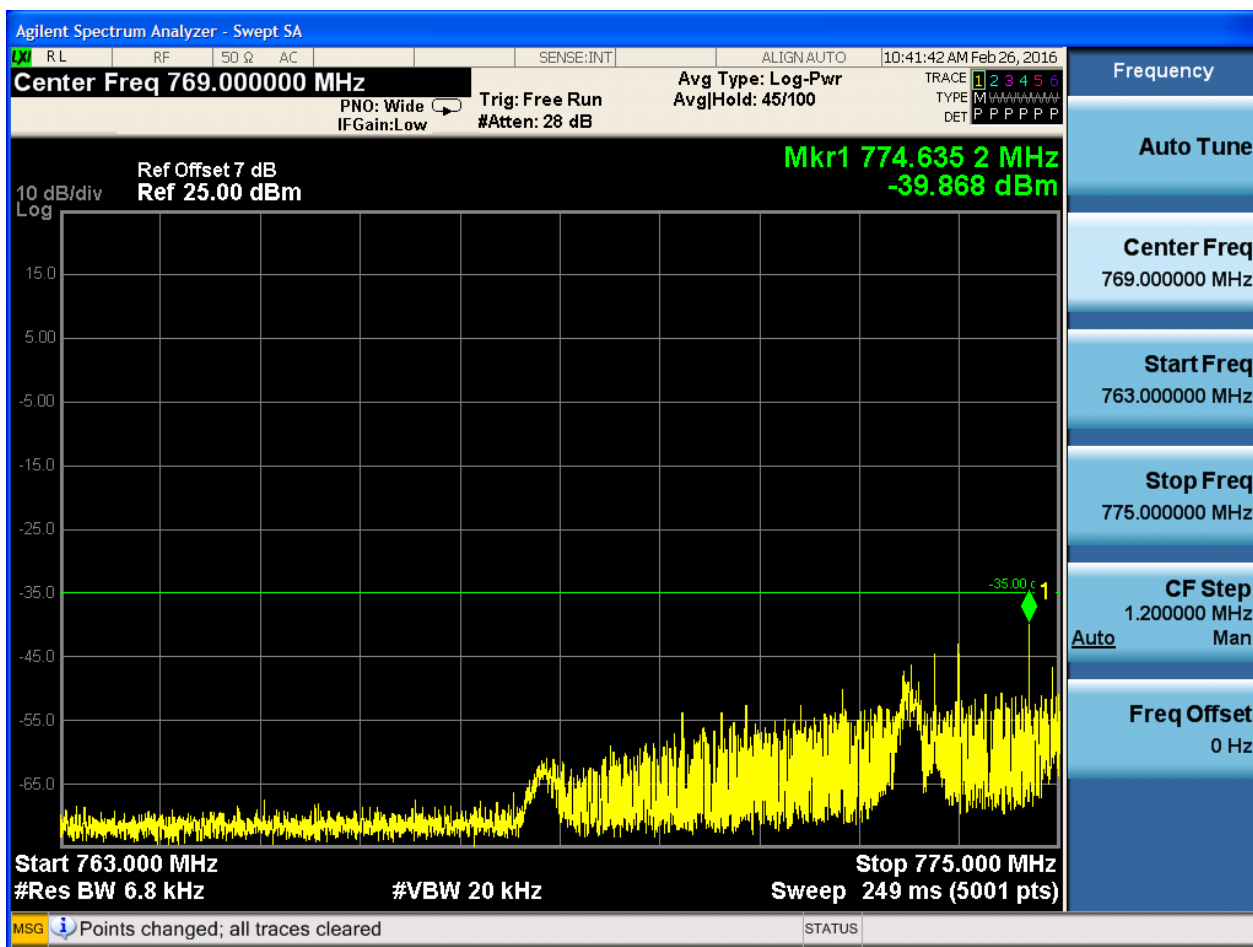
6.1.1.2.2.2 Test Channel = MCH

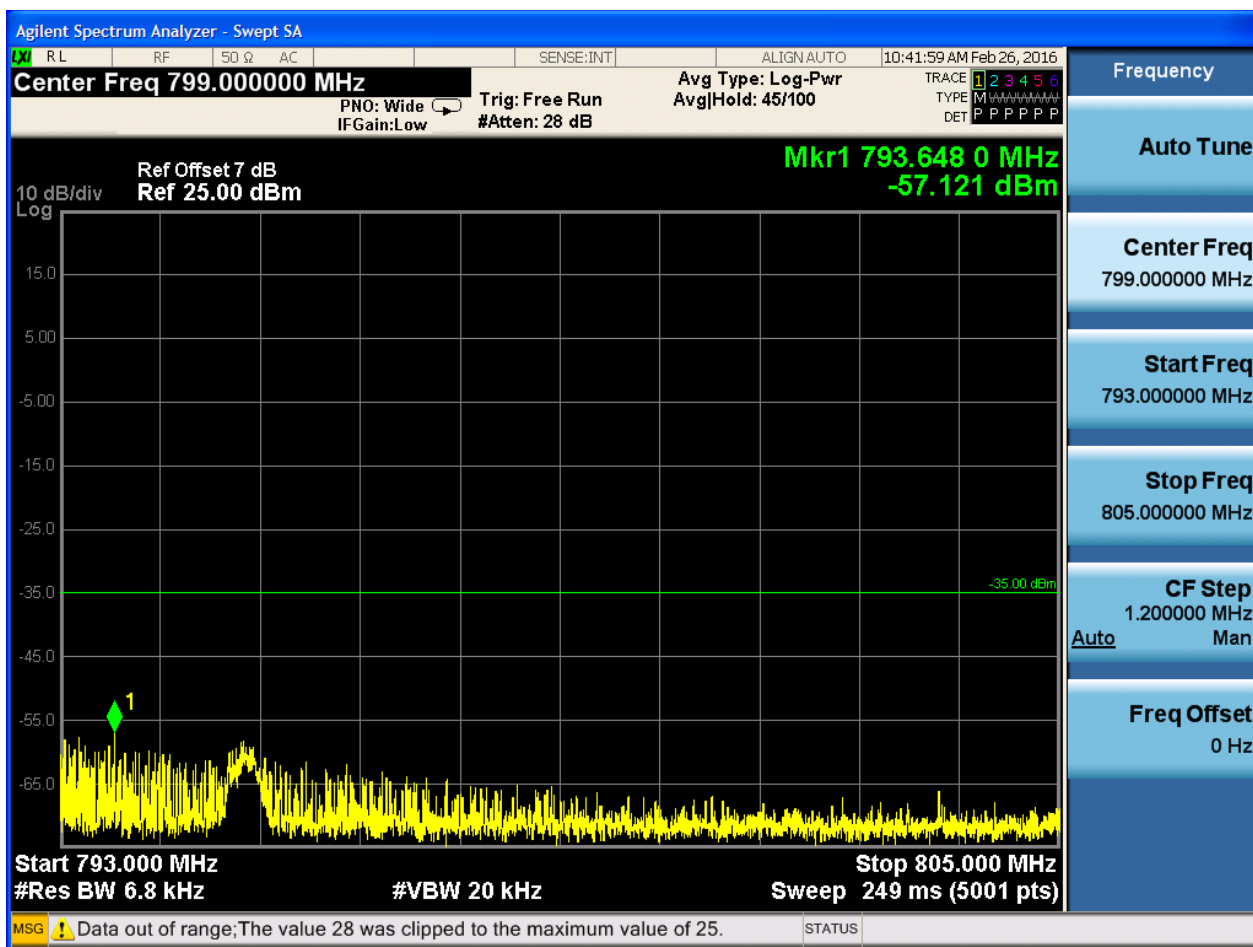
6.1.1.2.2.2.1 Test RB = RB1#0







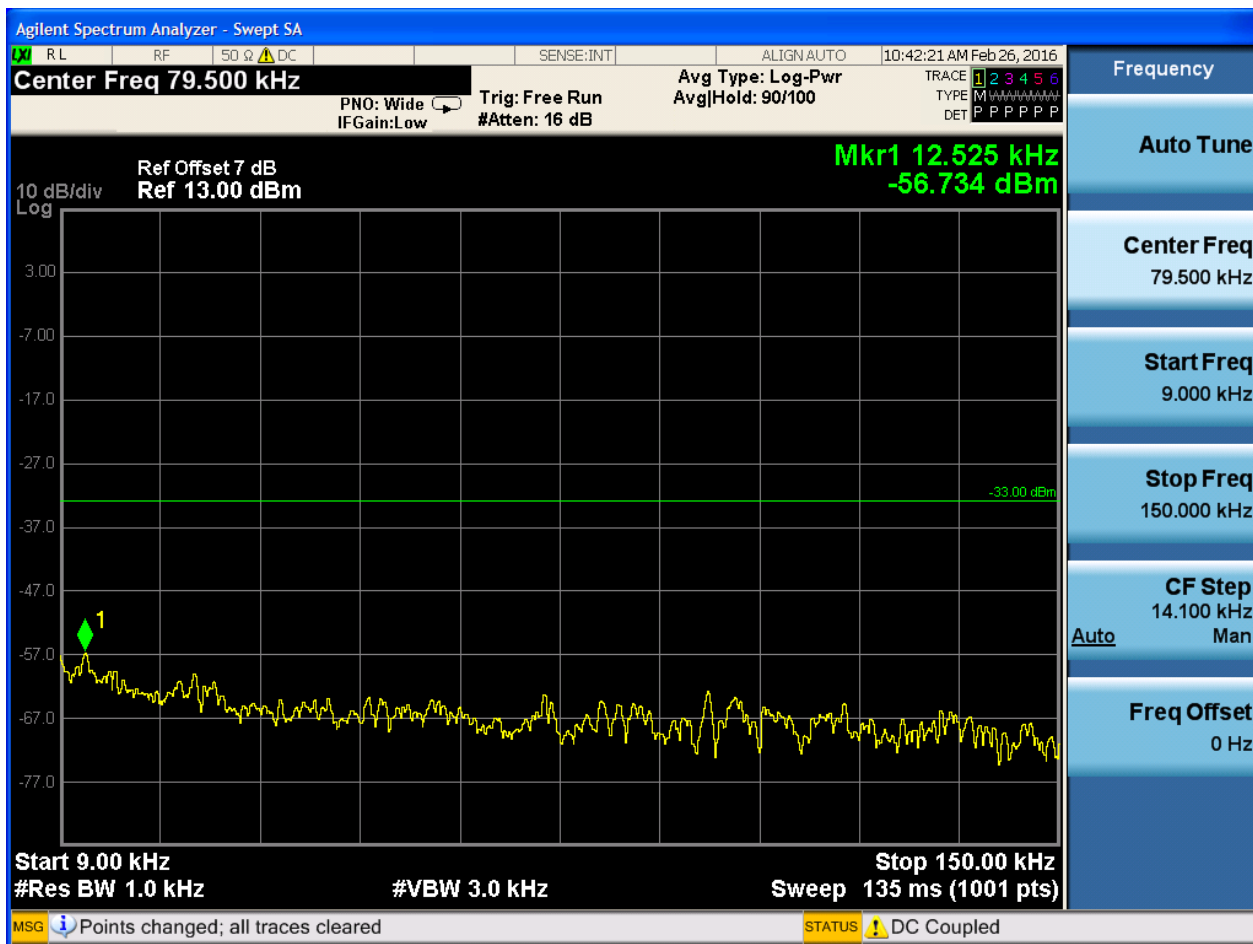


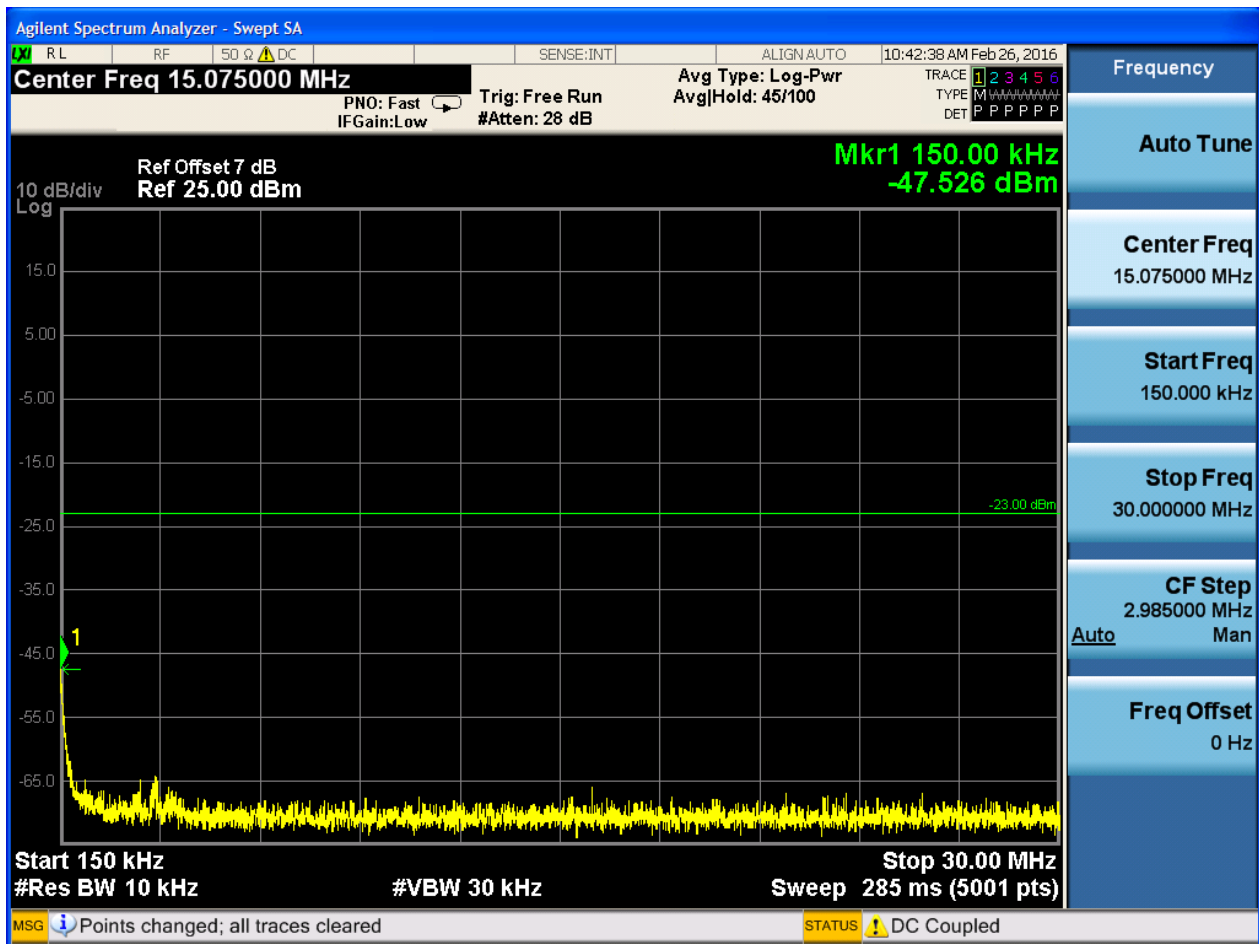


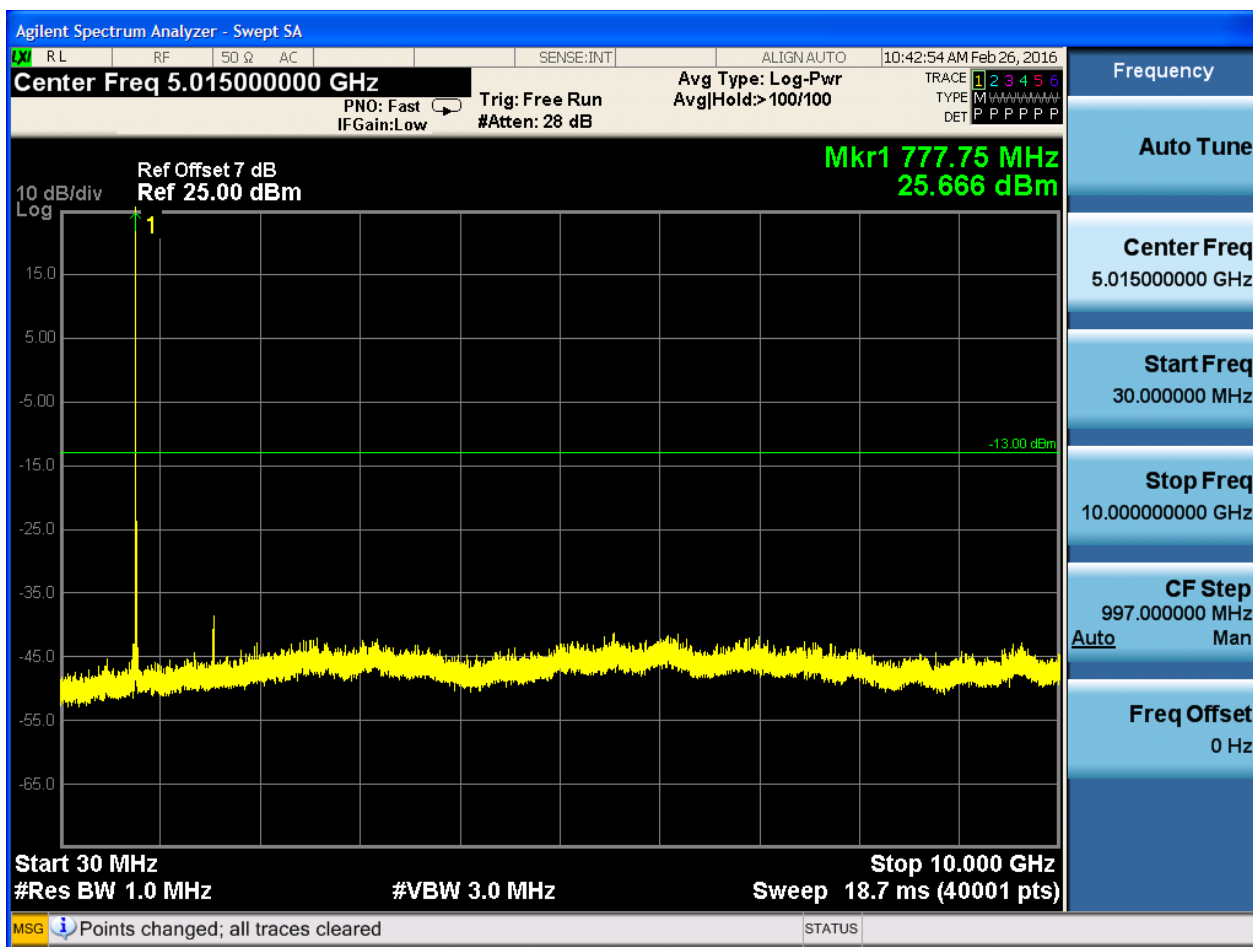


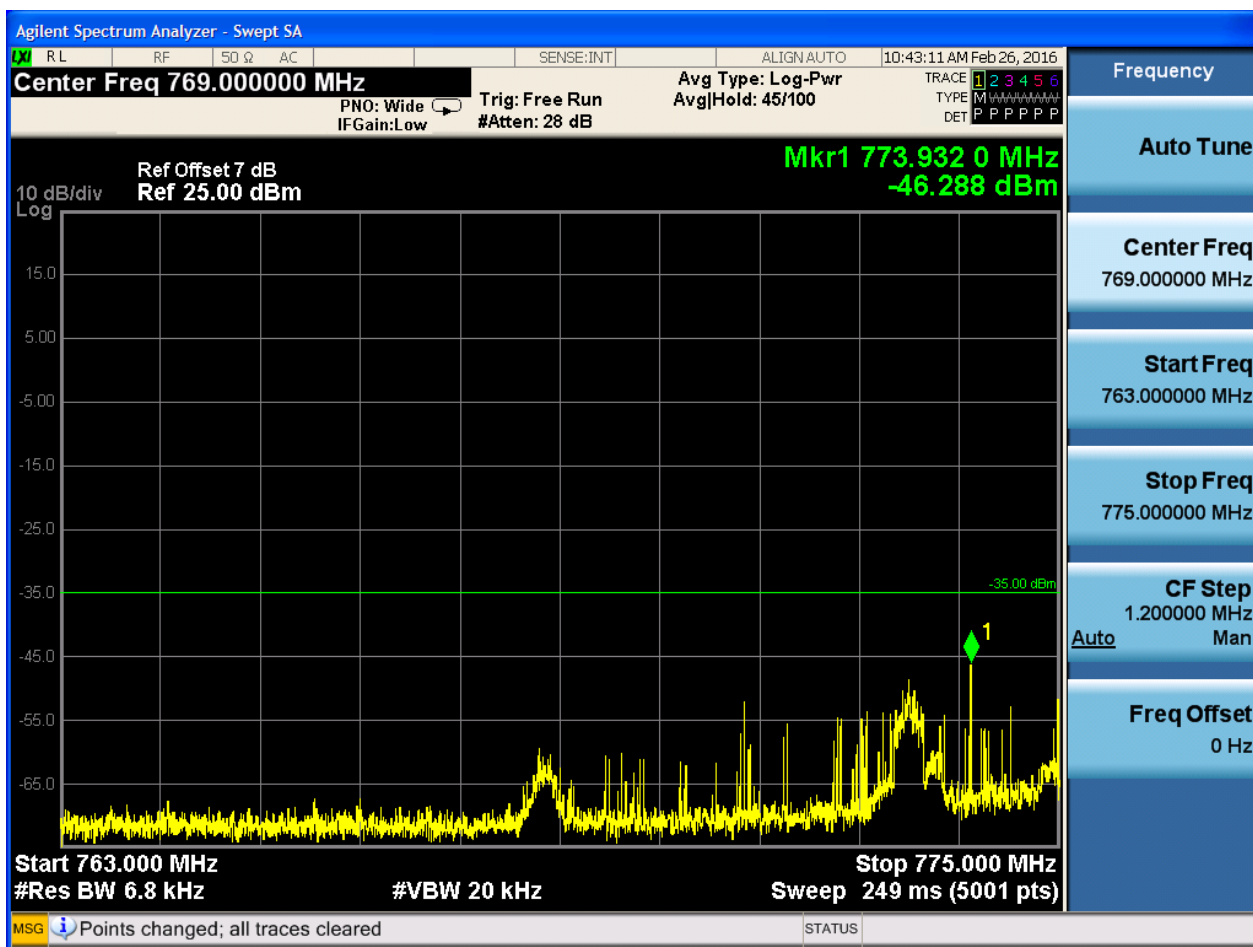
6.1.1.2.2.3 Test Channel = HCH

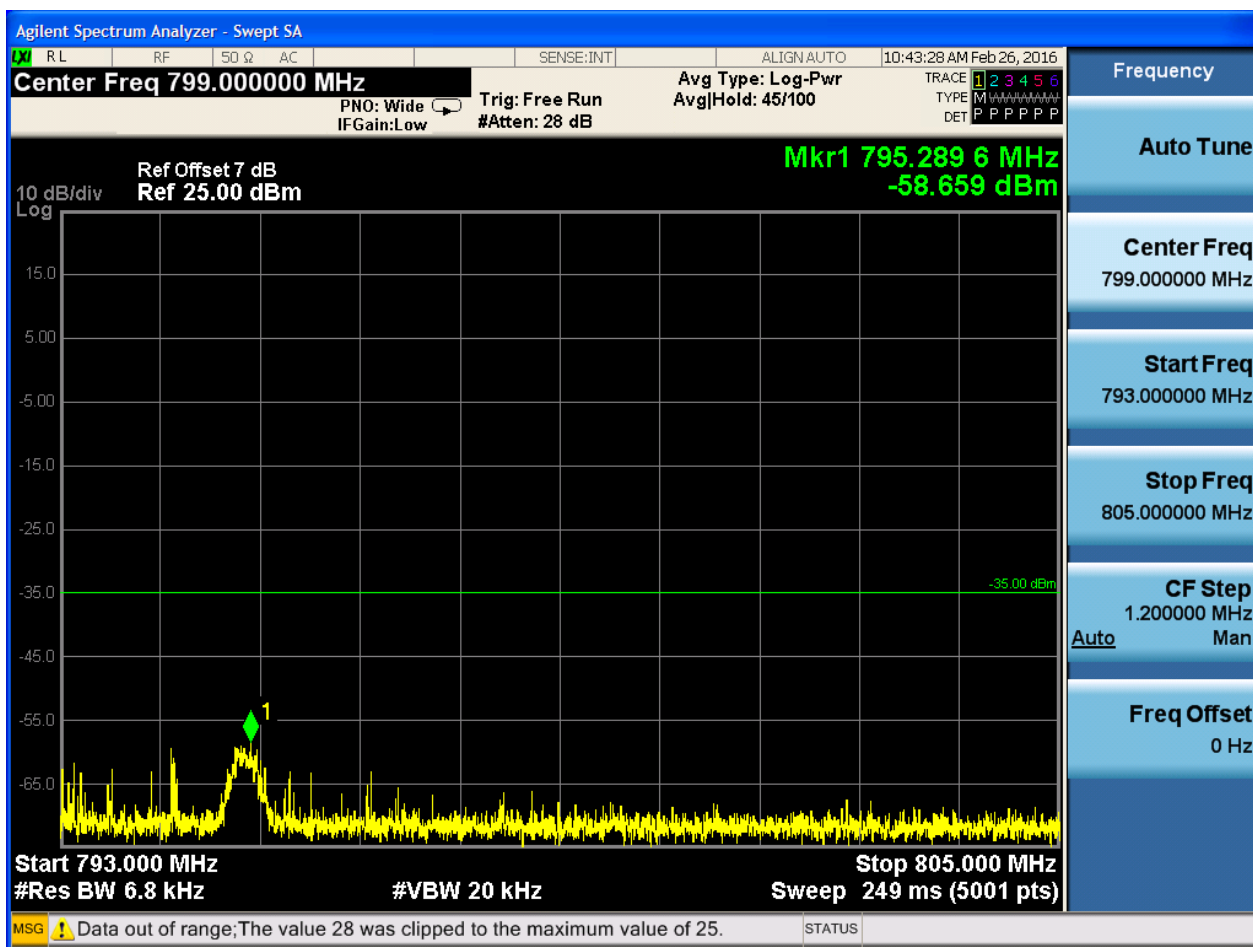
6.1.1.2.2.3.1 Test RB = RB1#0

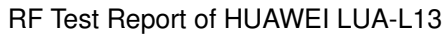


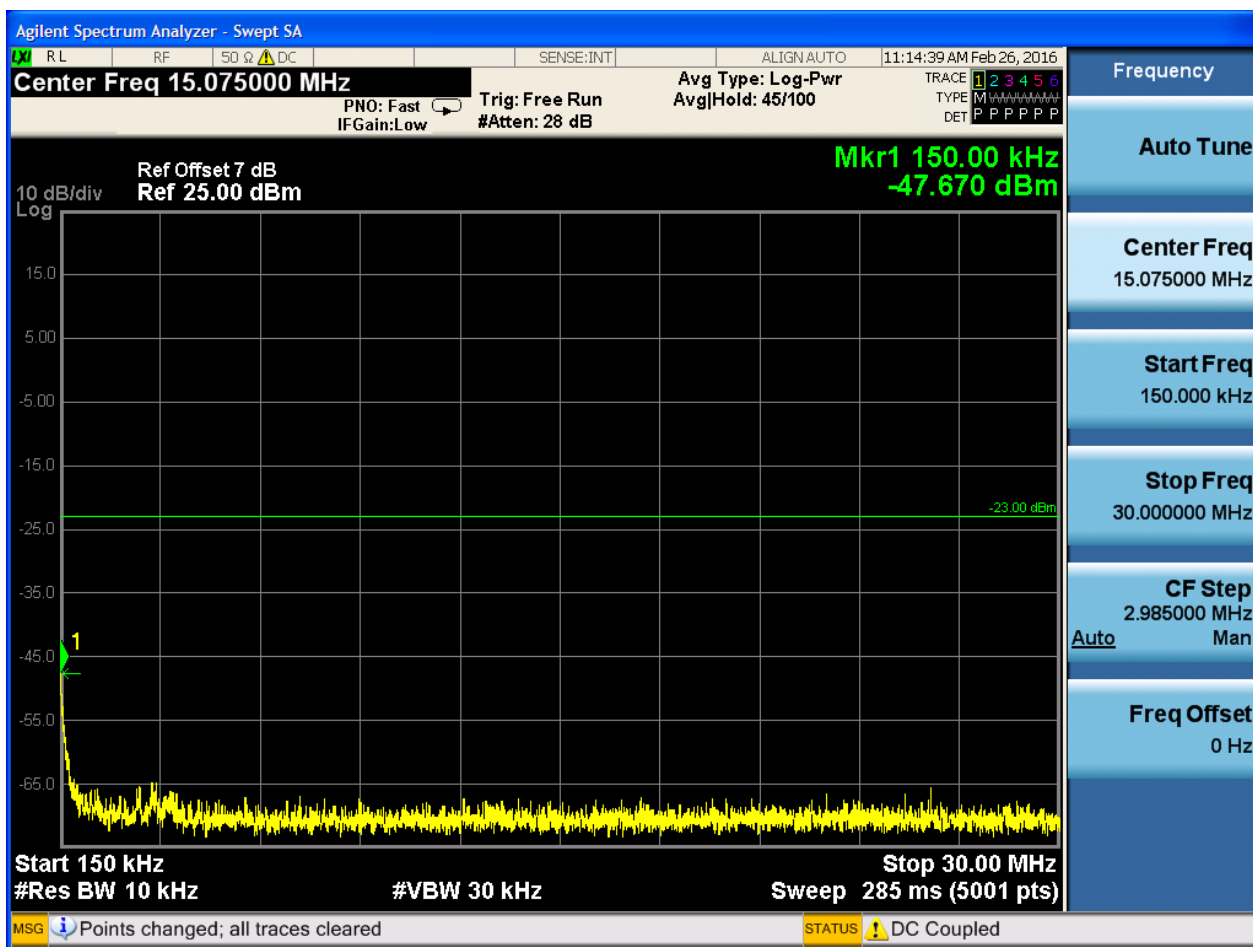


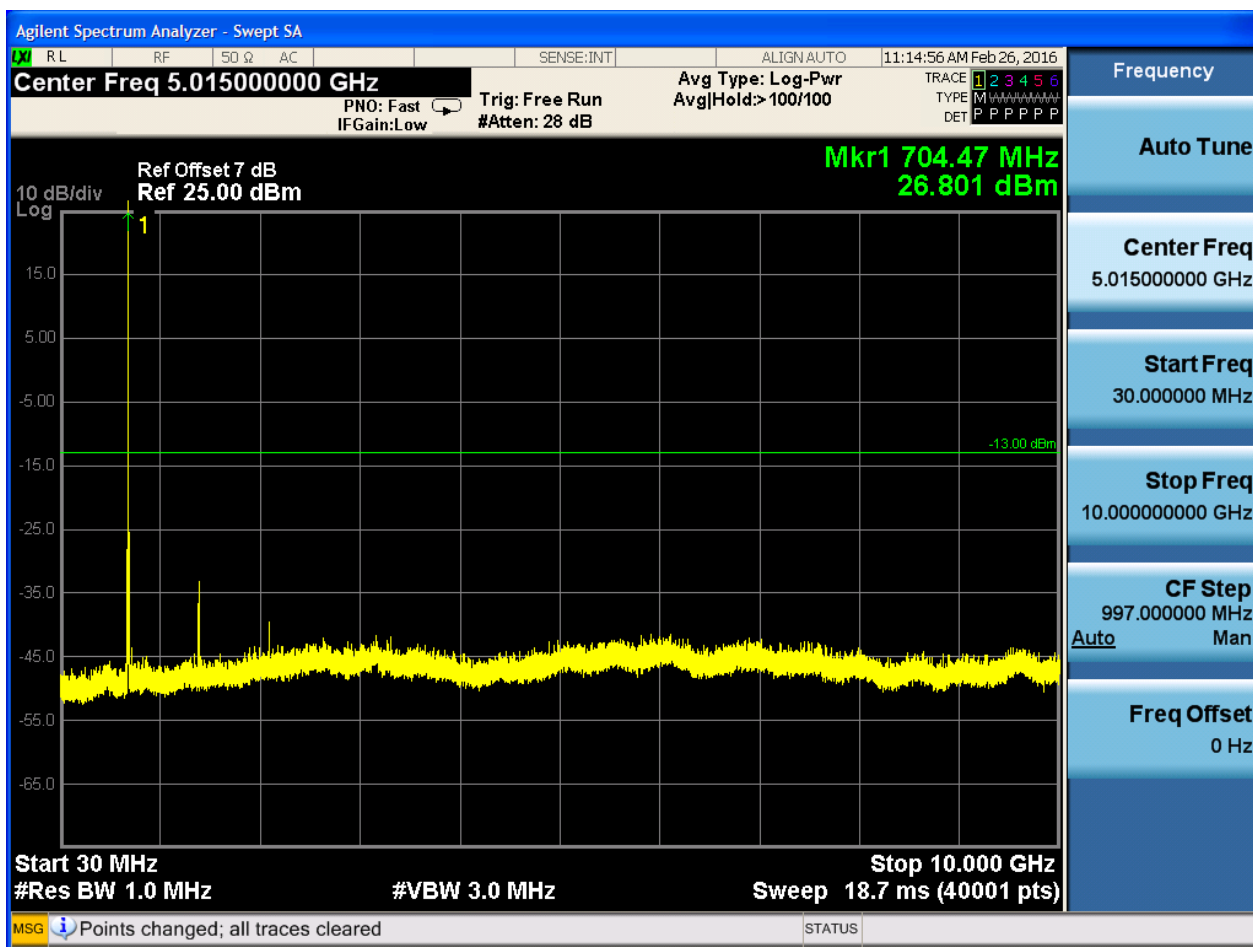








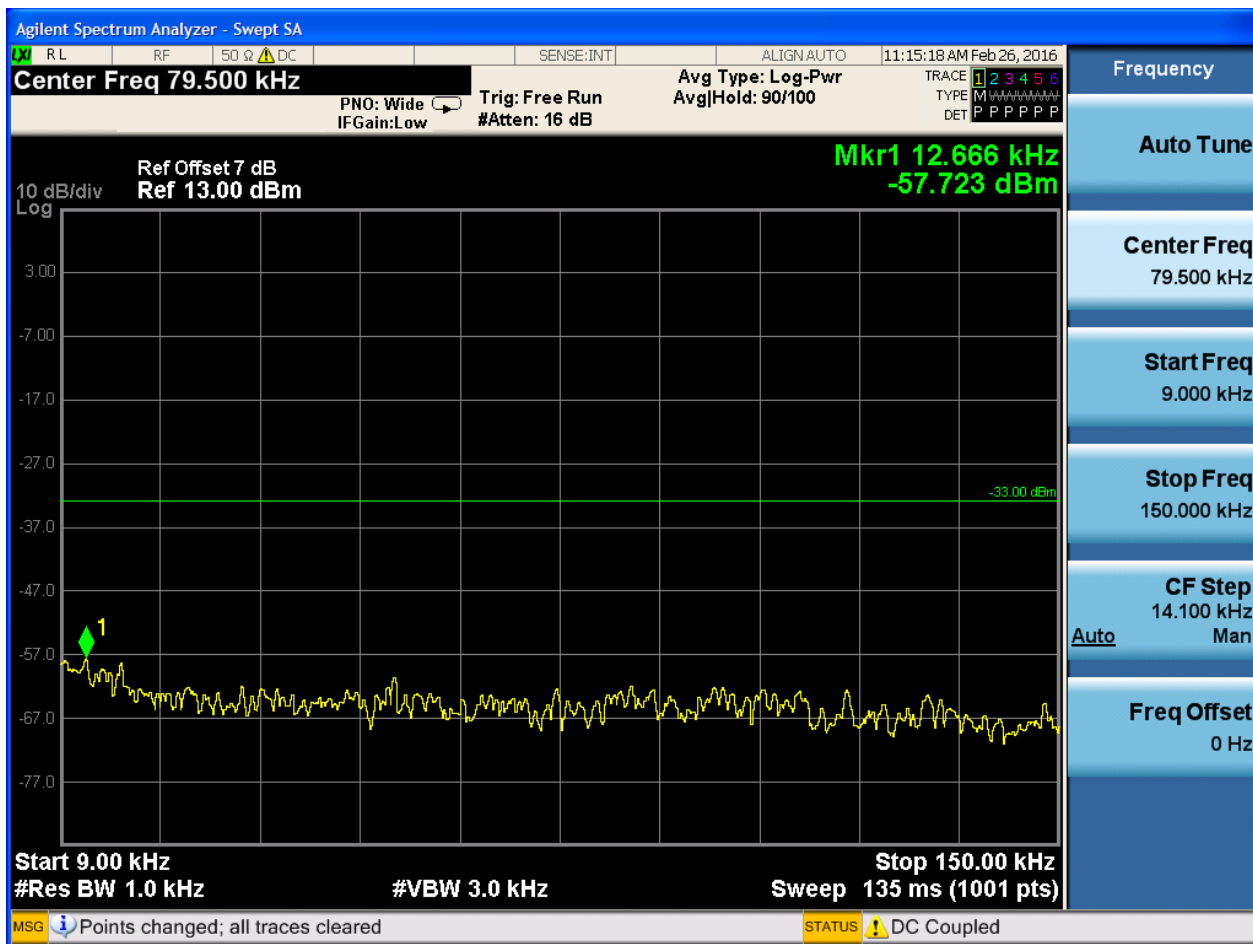


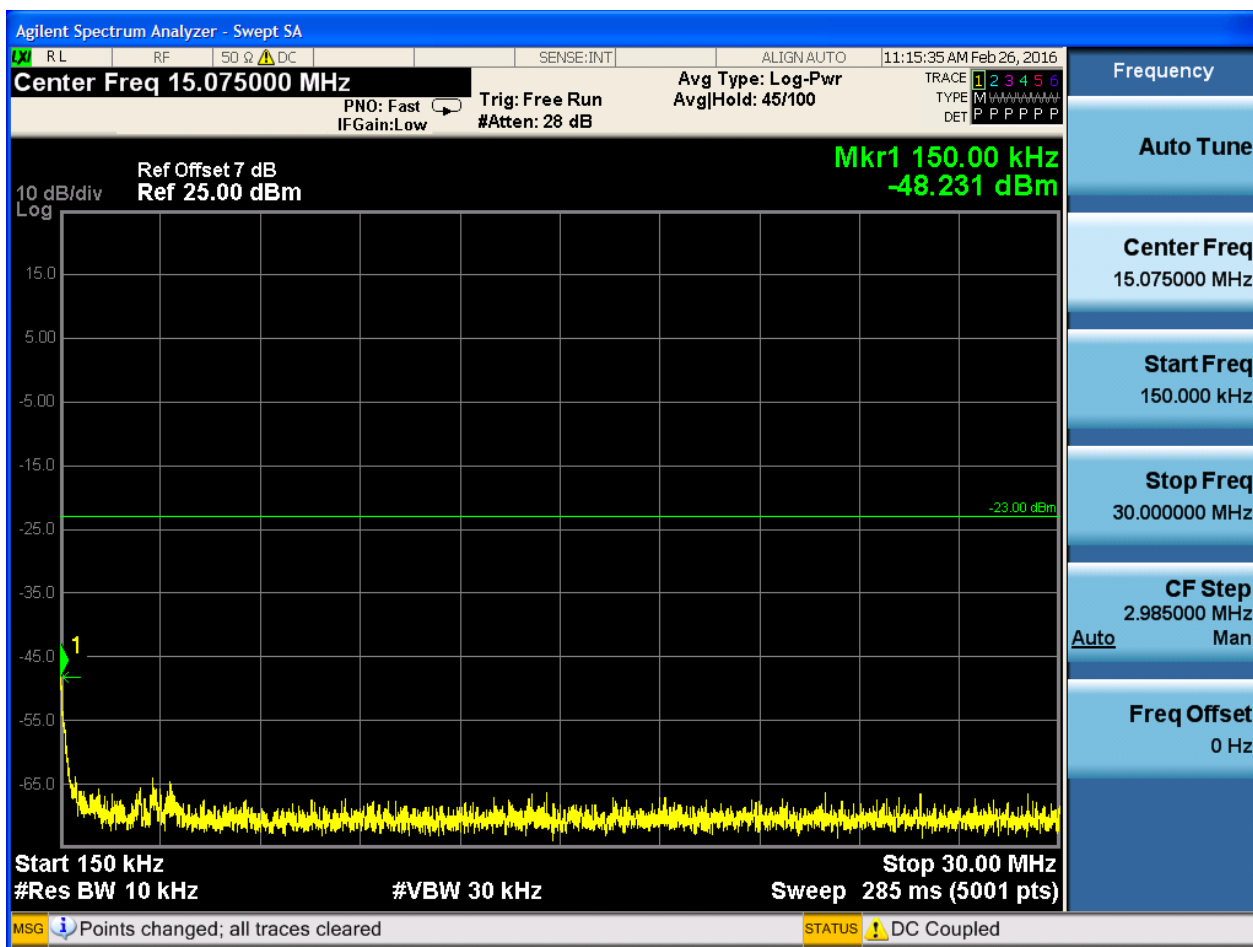


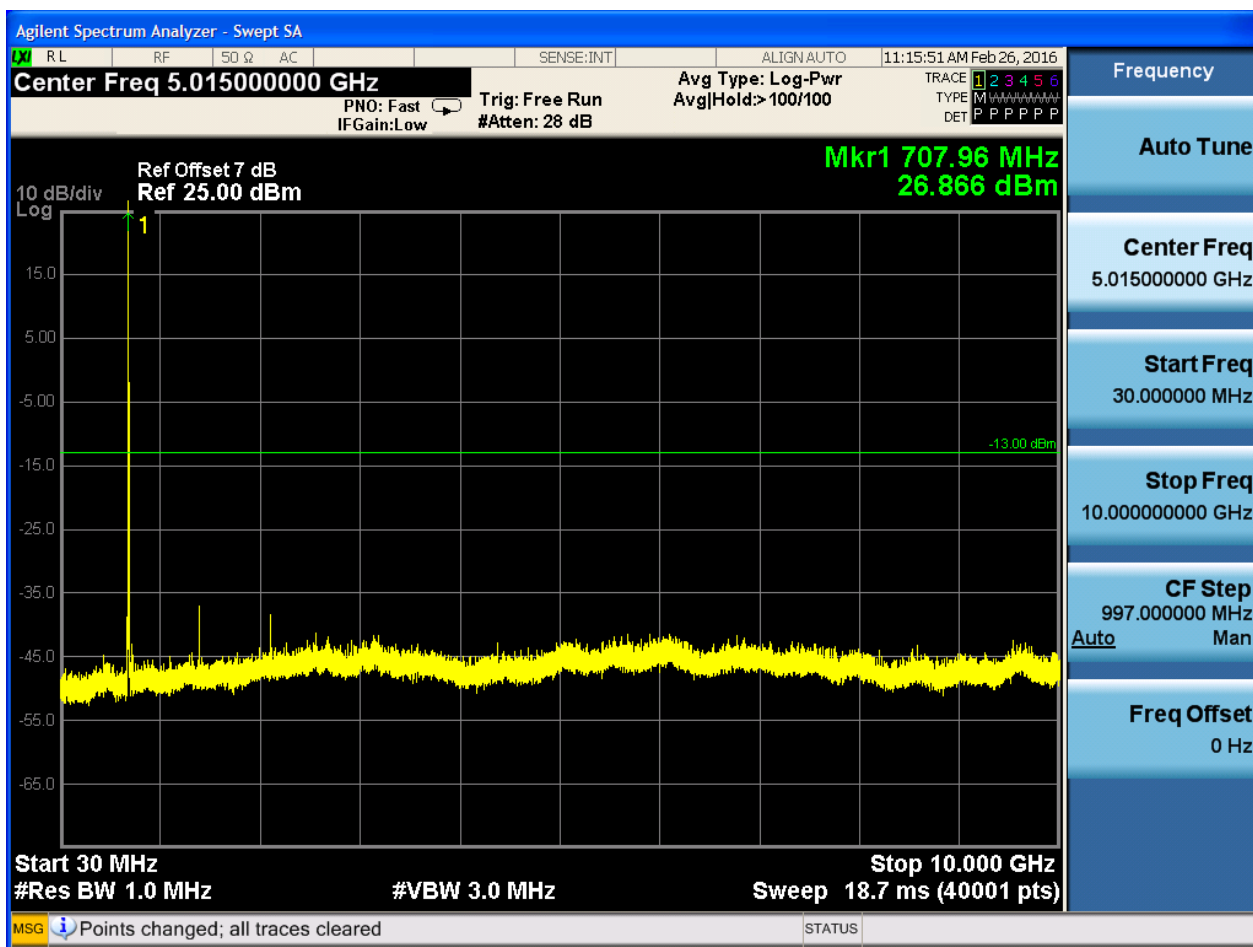


6.1.2.1.1.2 Test Channel = MCH

6.1.2.1.1.2.1 Test RB = RB1#0



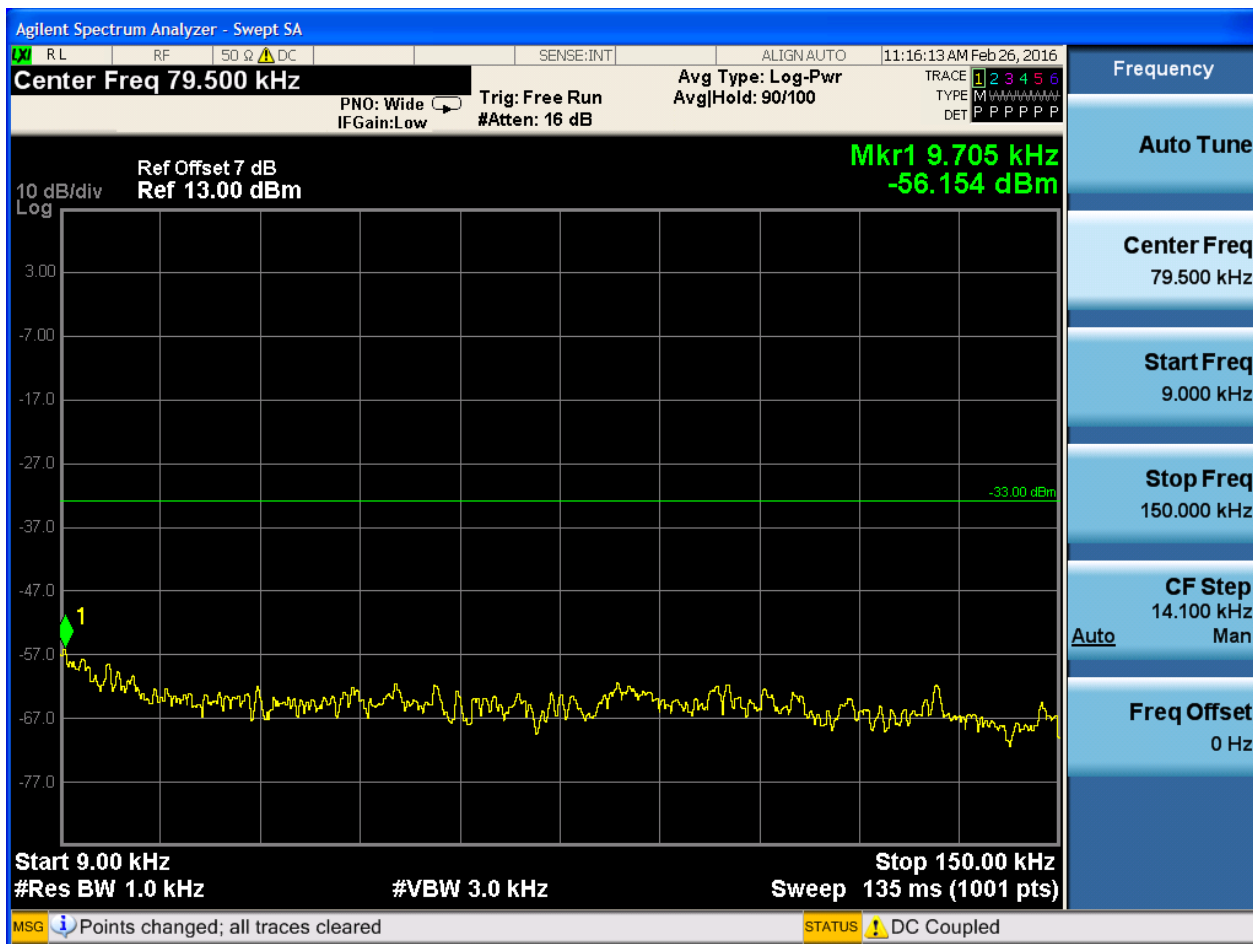


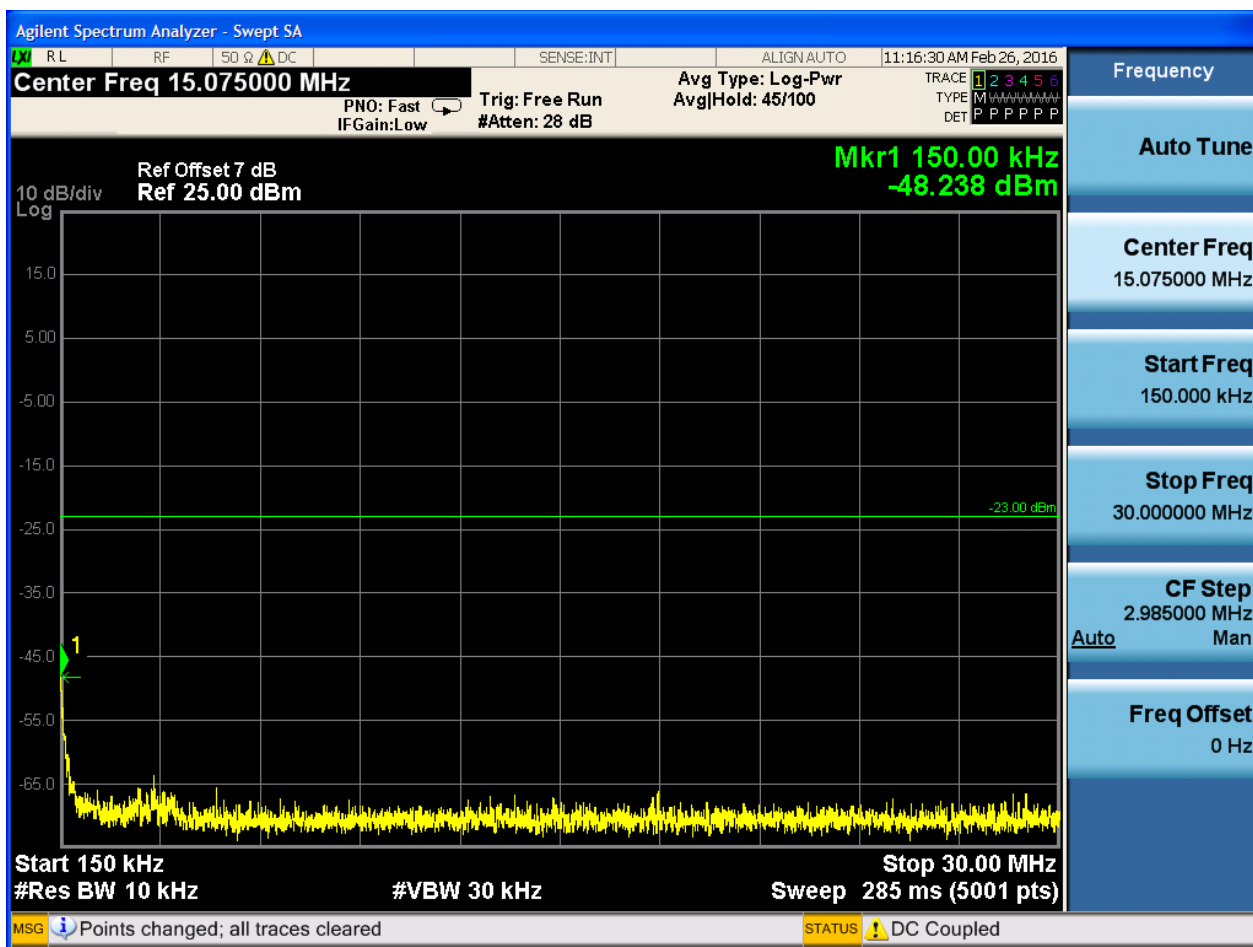


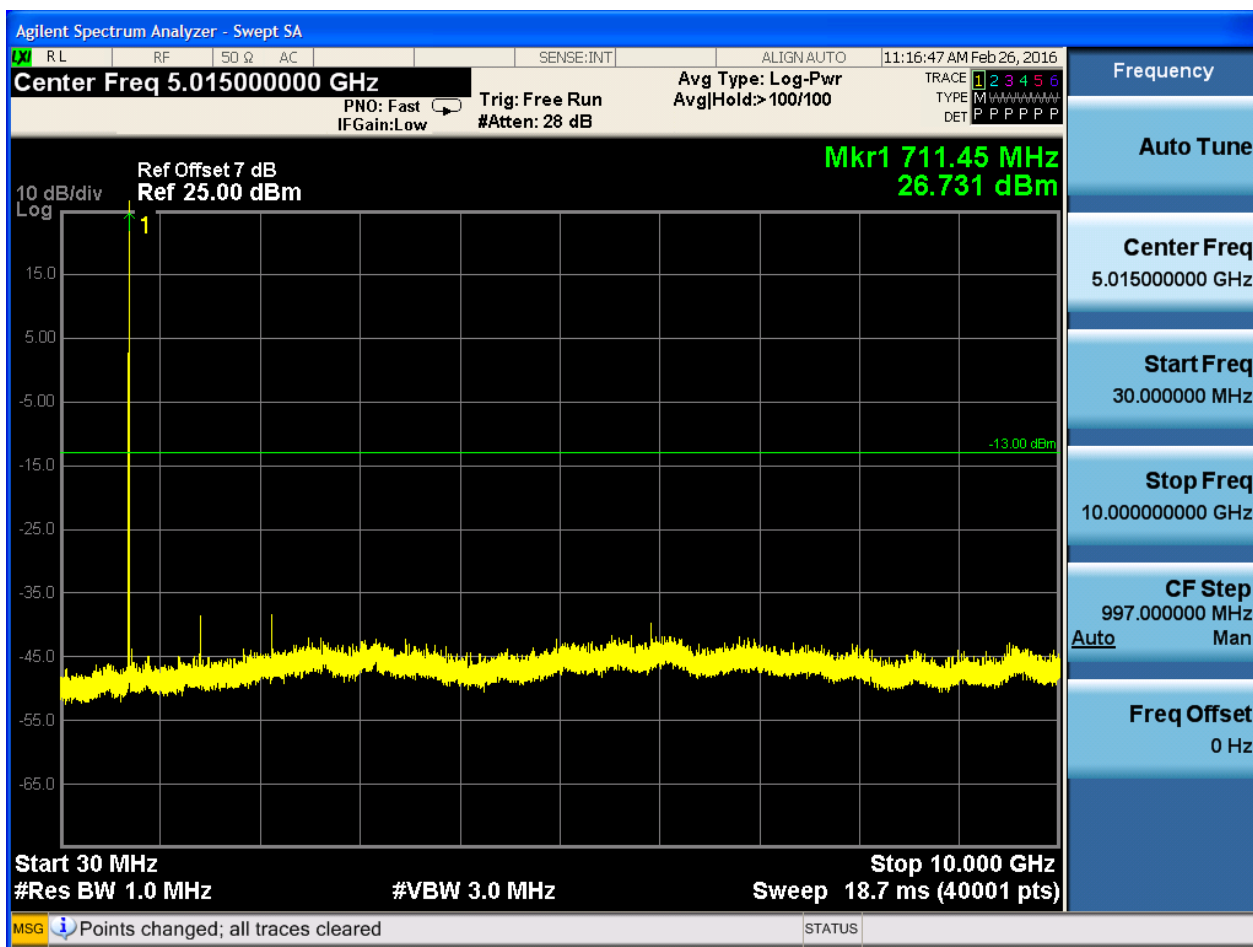


6.1.2.1.1.3 Test Channel = HCH

6.1.2.1.1.3.1 Test RB = RB1#0



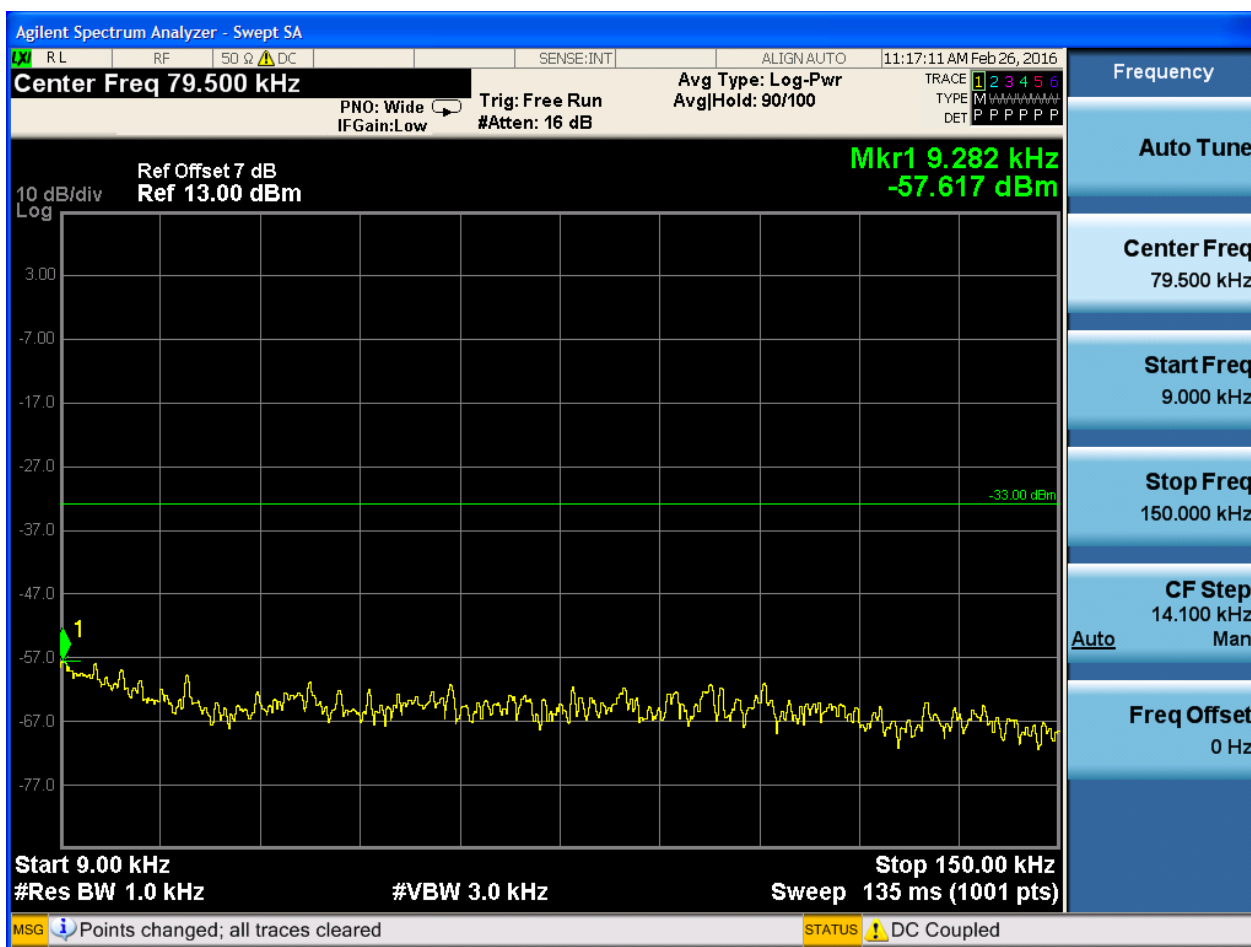


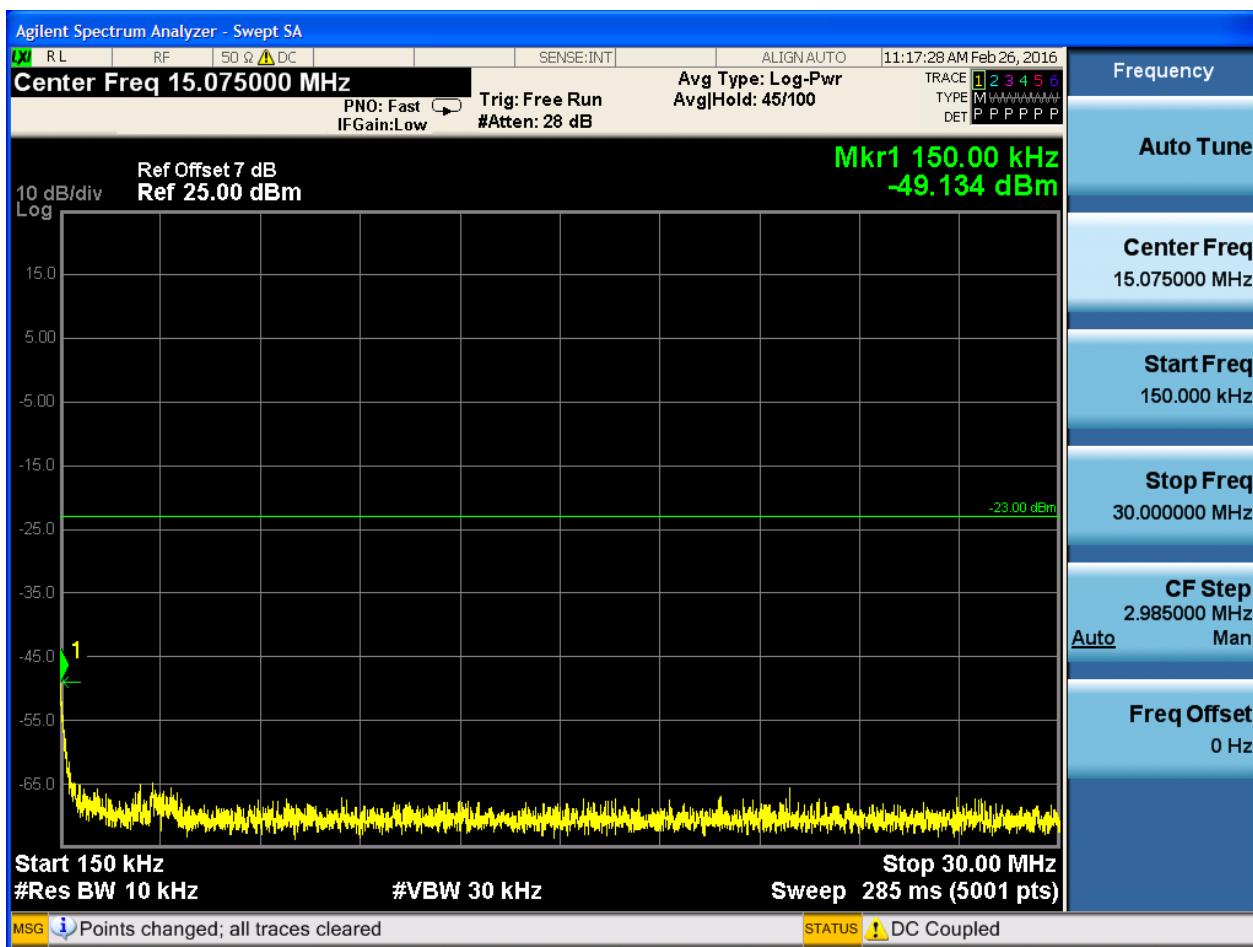


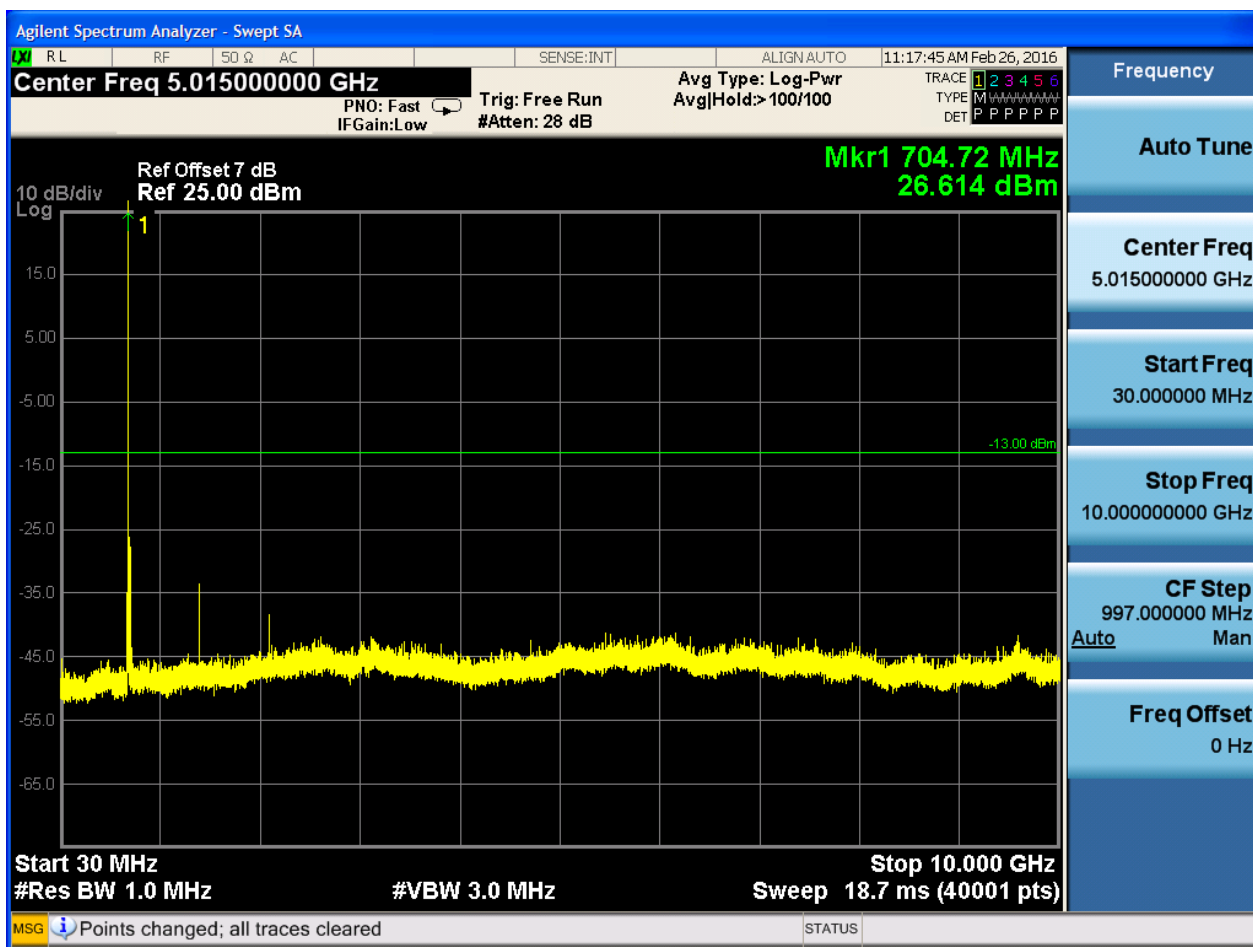
6.1.2.1.2 Test Bandwidth = 10

6.1.2.1.2.1 Test Channel = LCH

6.1.2.1.2.1.1 Test RB = RB1#0



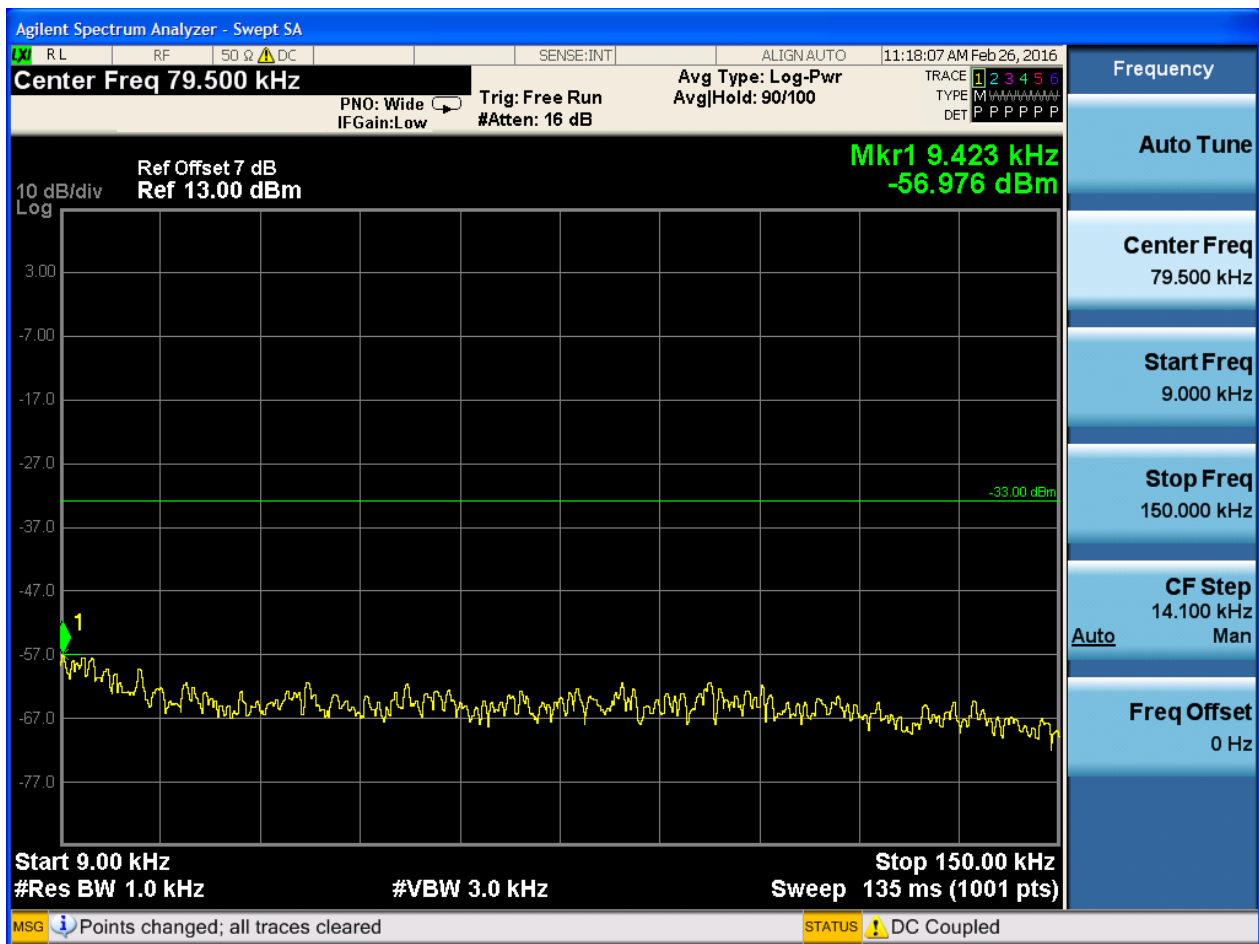


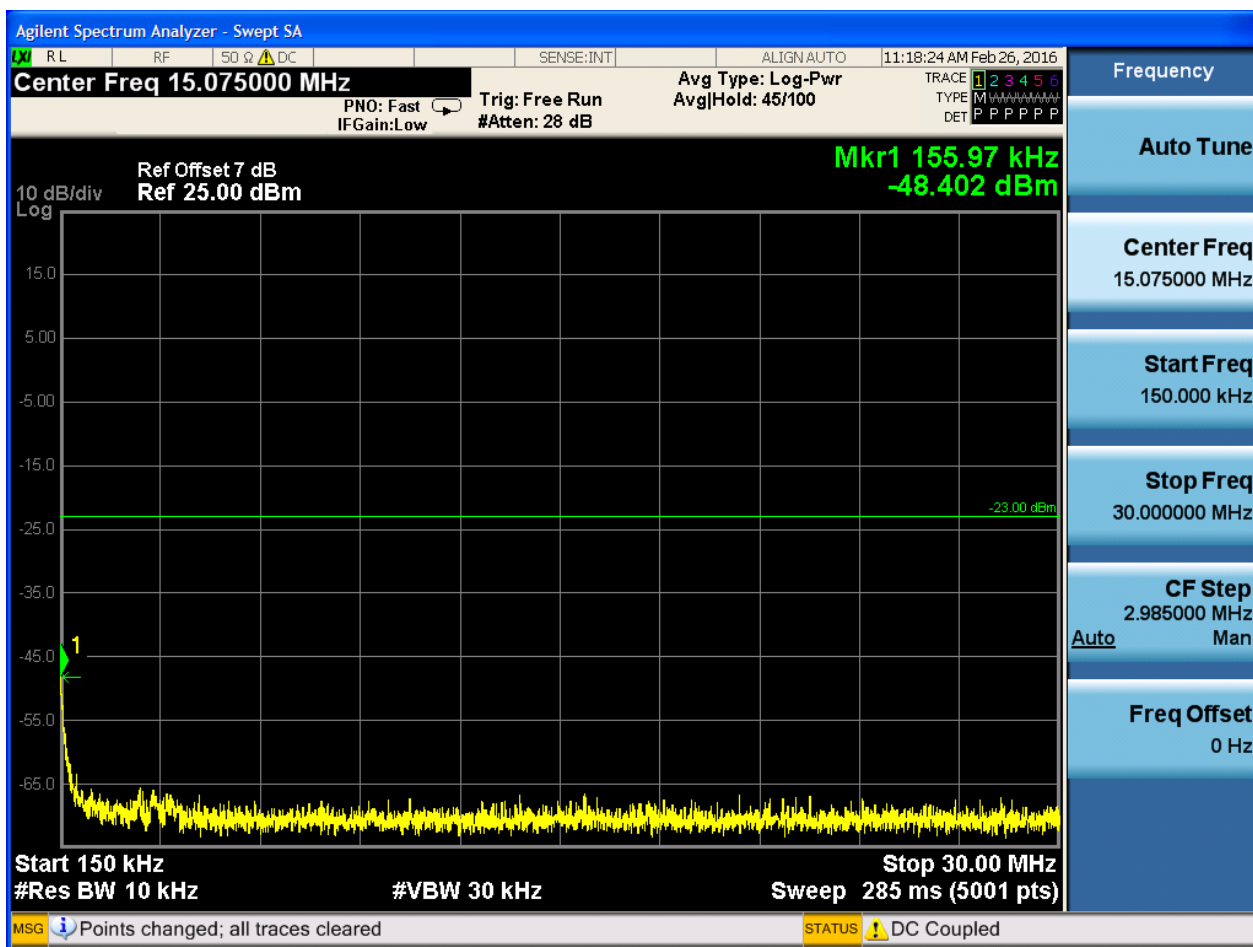


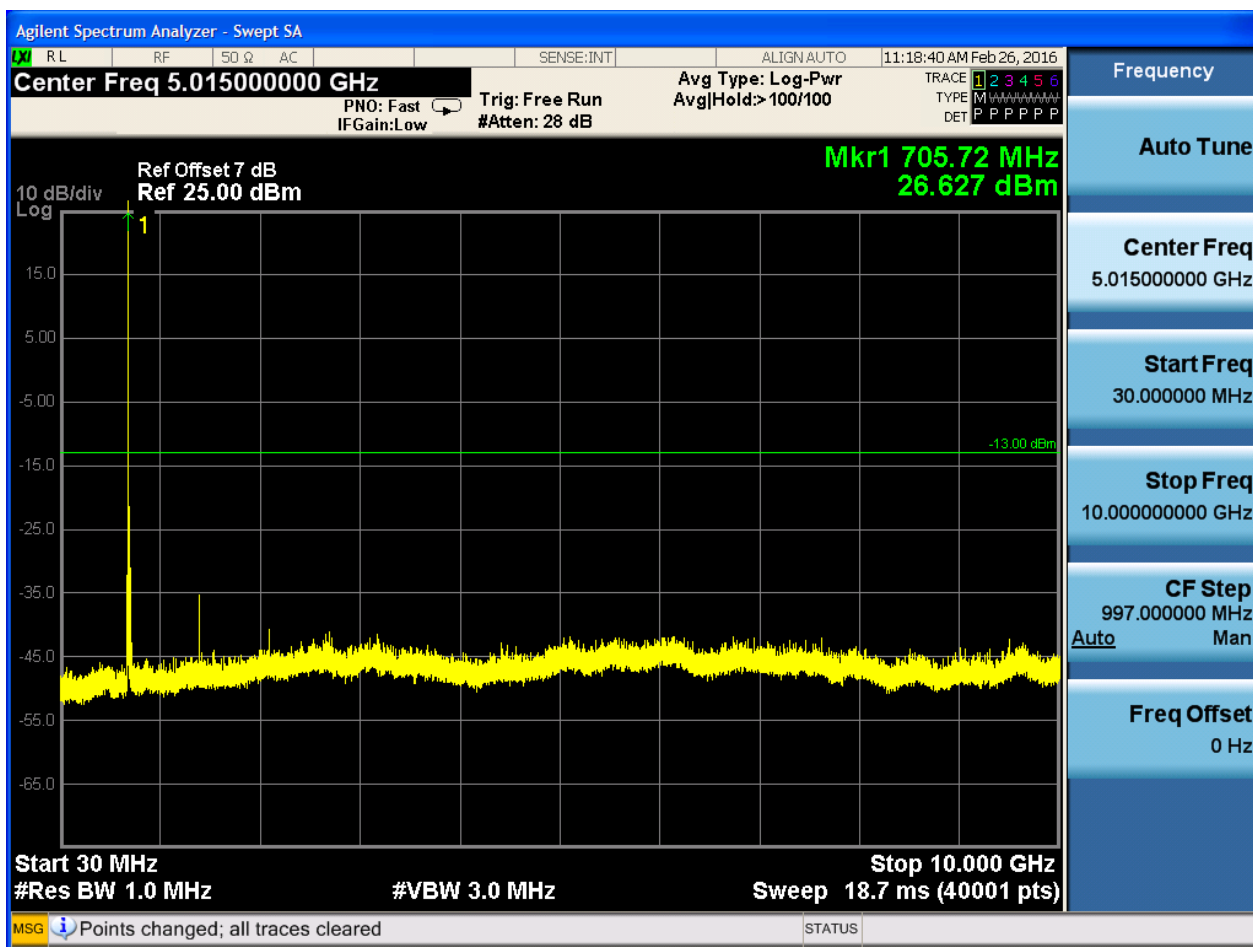


6.1.2.1.2.2 Test Channel = MCH

6.1.2.1.2.2.1 Test RB = RB1#0



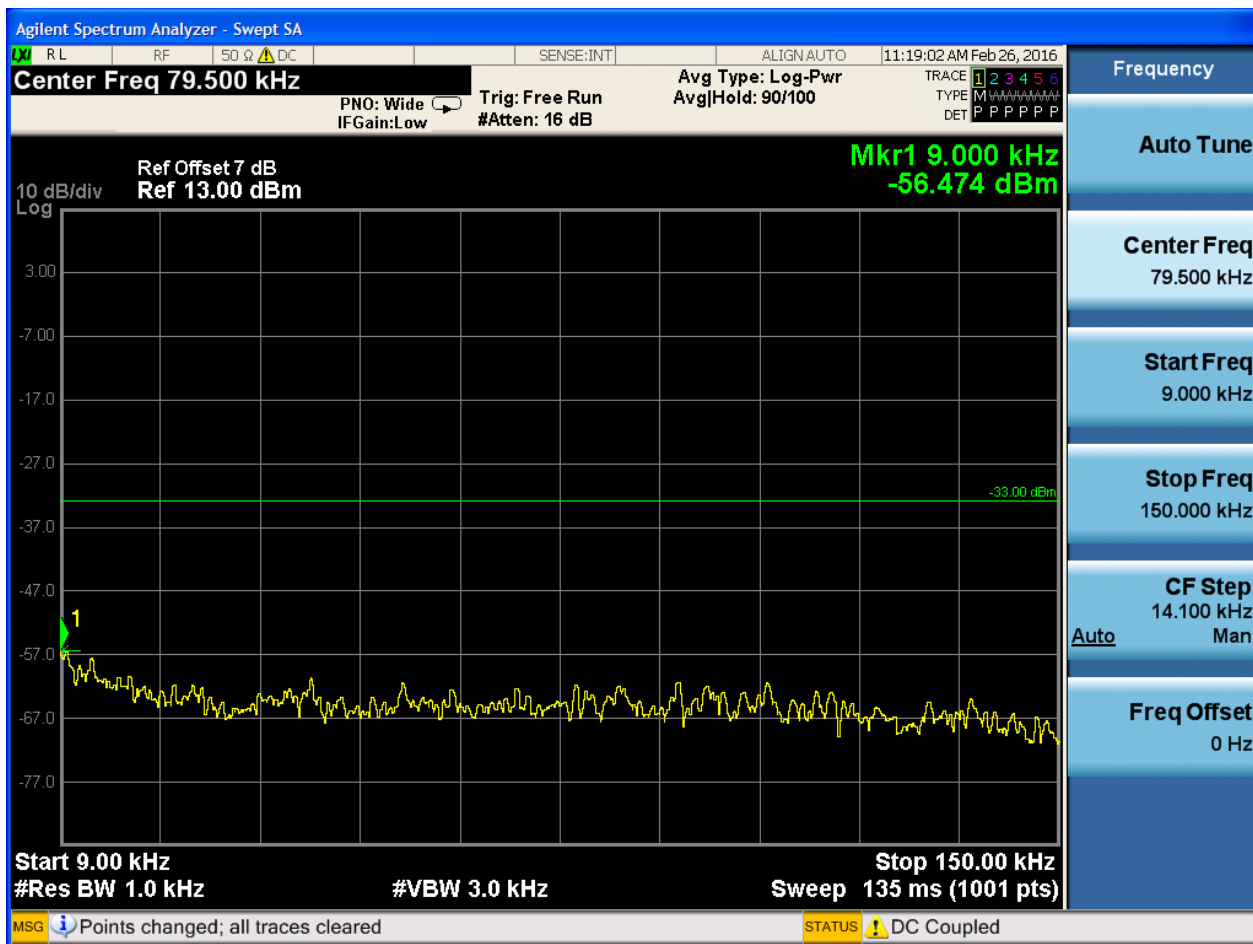


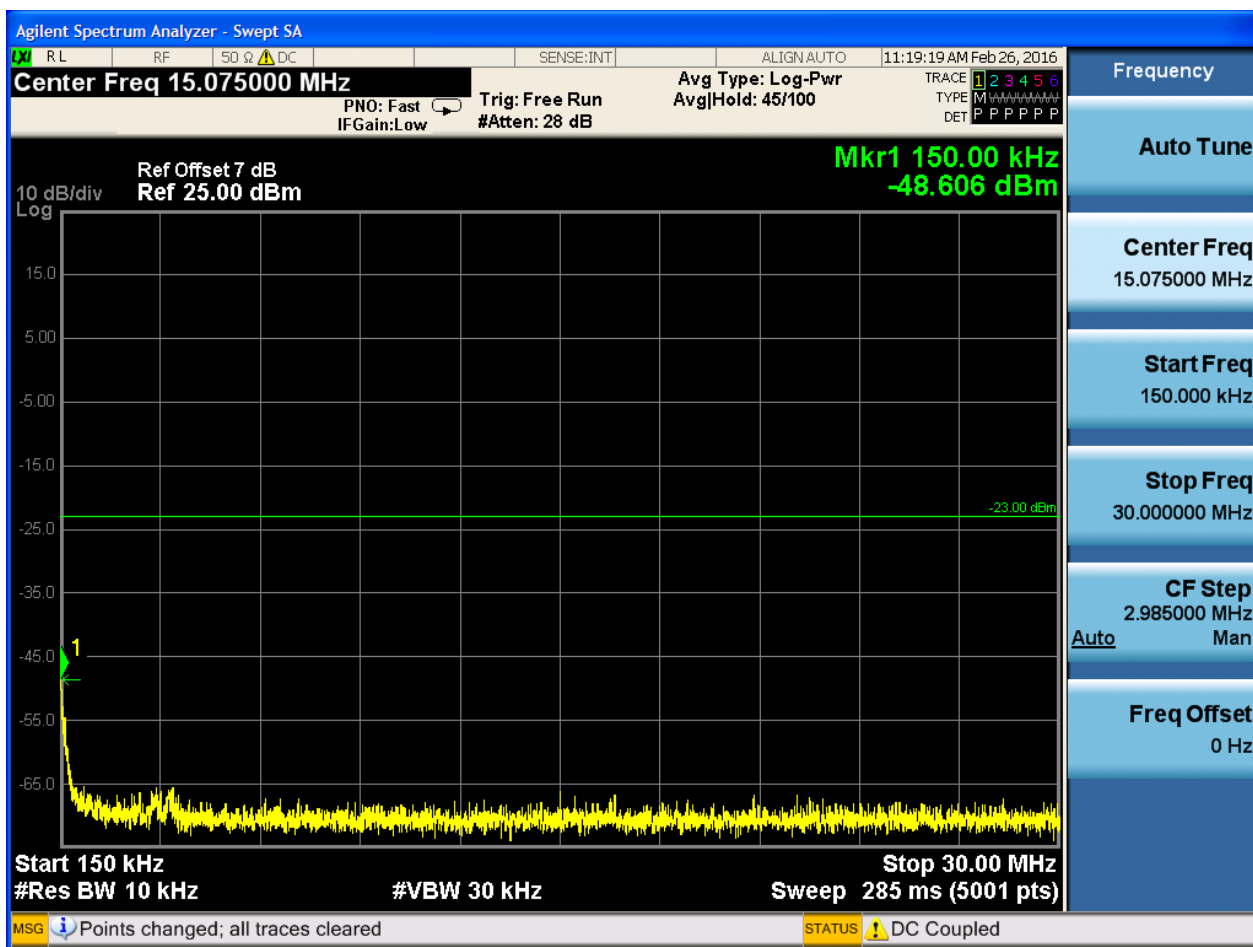


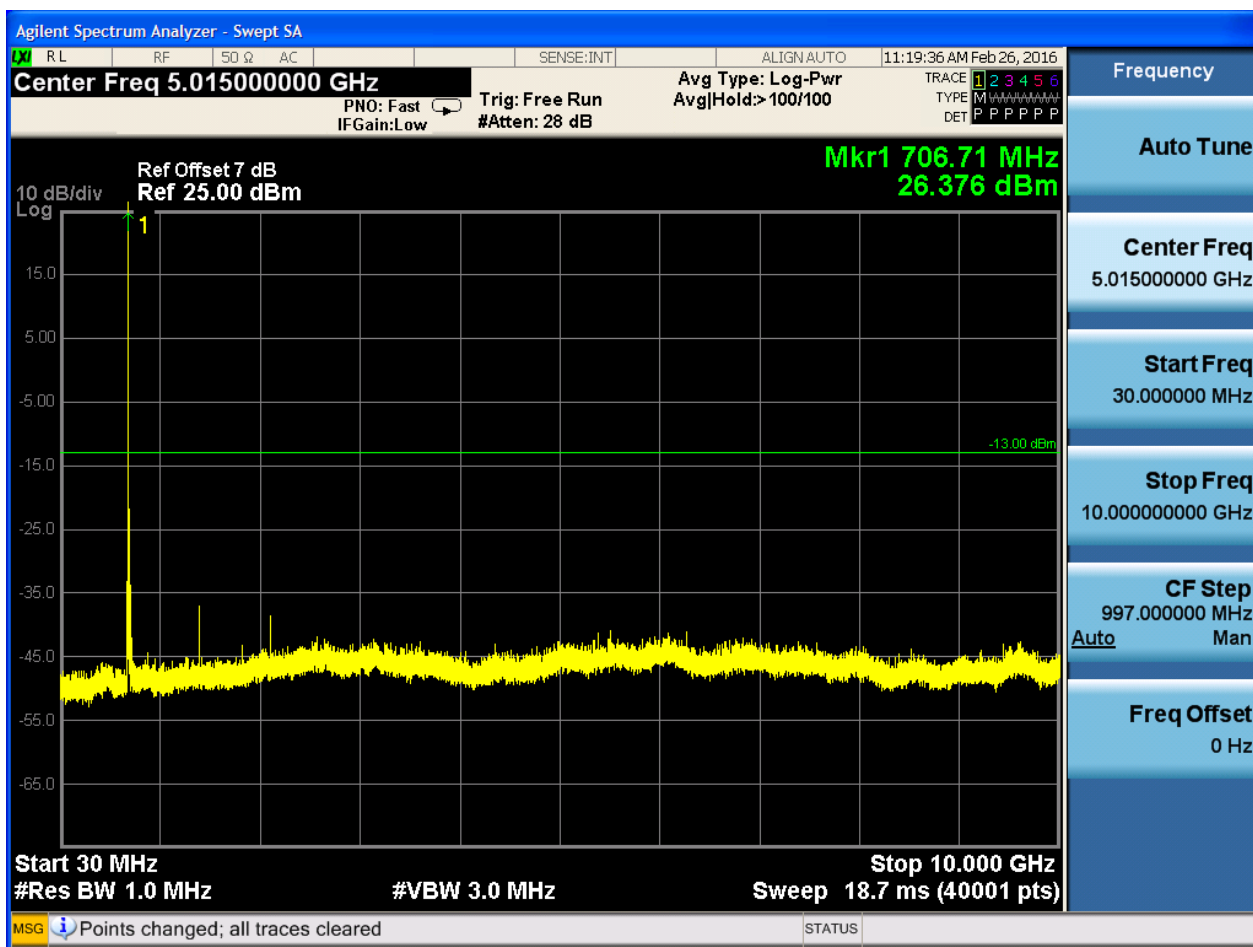


6.1.2.1.2.3 Test Channel = HCH

6.1.2.1.2.3.1 Test RB = RB1#0







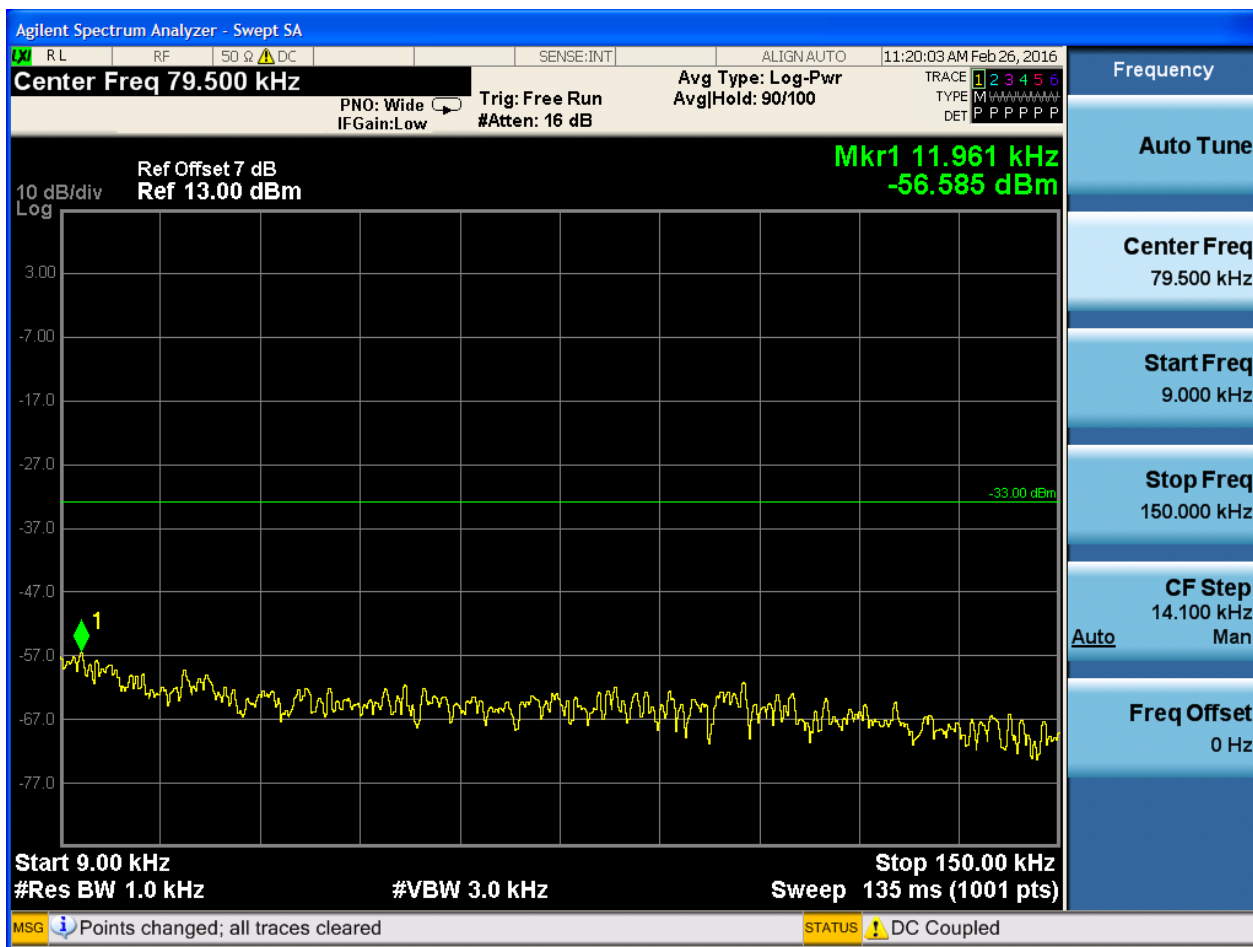


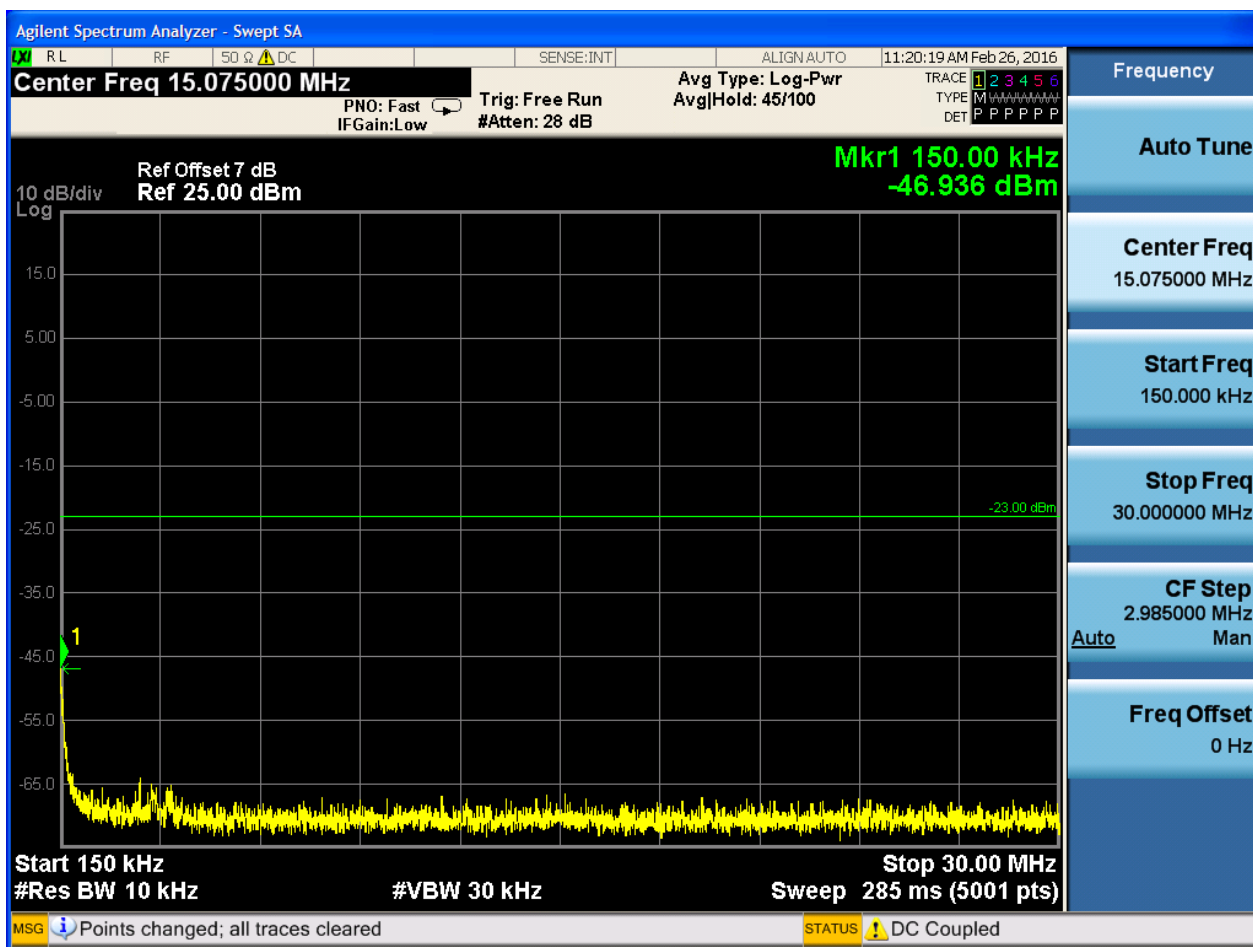
6.1.2.2 Test Mode = LTE/TM2

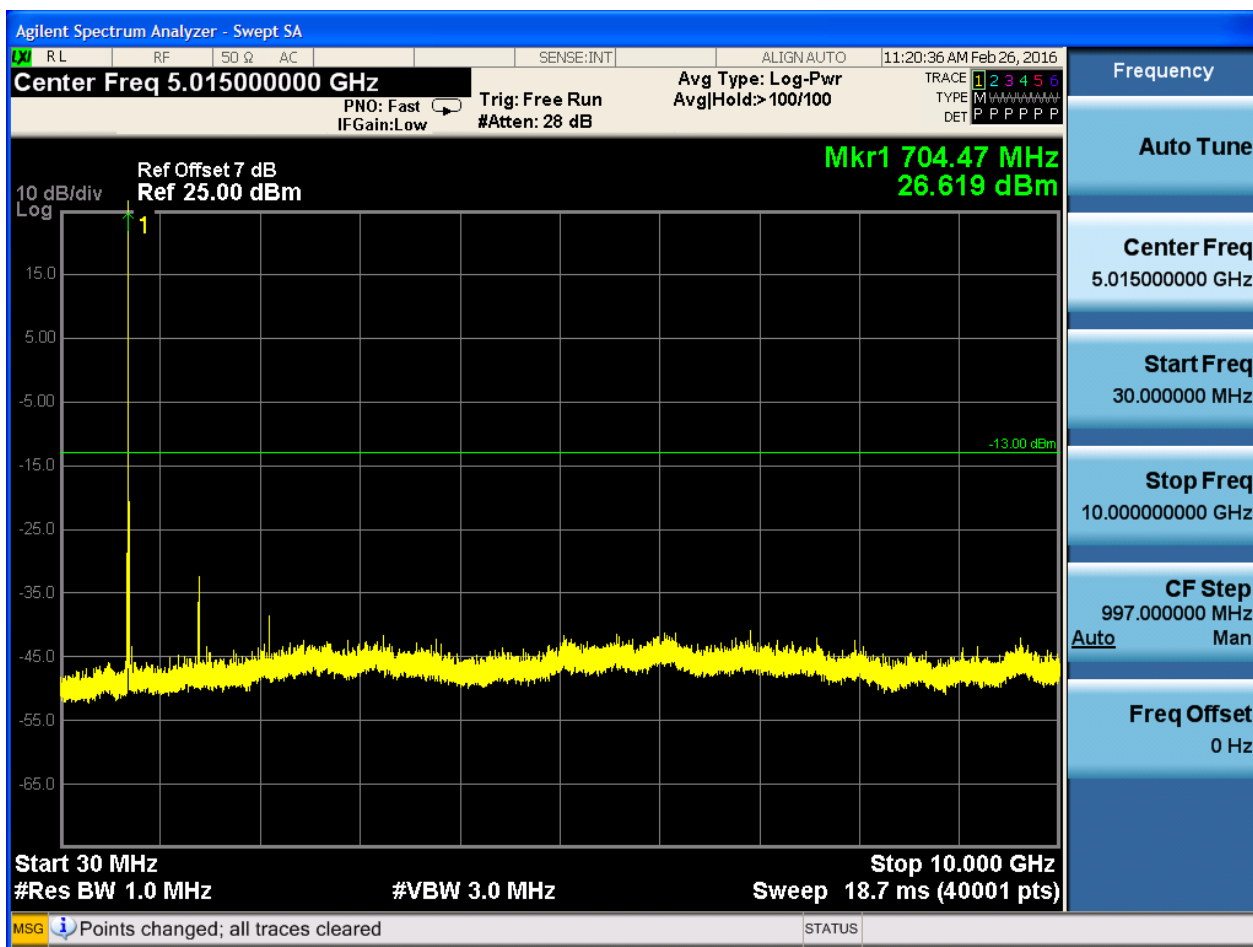
6.1.2.2.1 Test Bandwidth = 5

6.1.2.2.1.1 Test Channel = LCH

6.1.2.2.1.1.1 Test RB = RB1#0



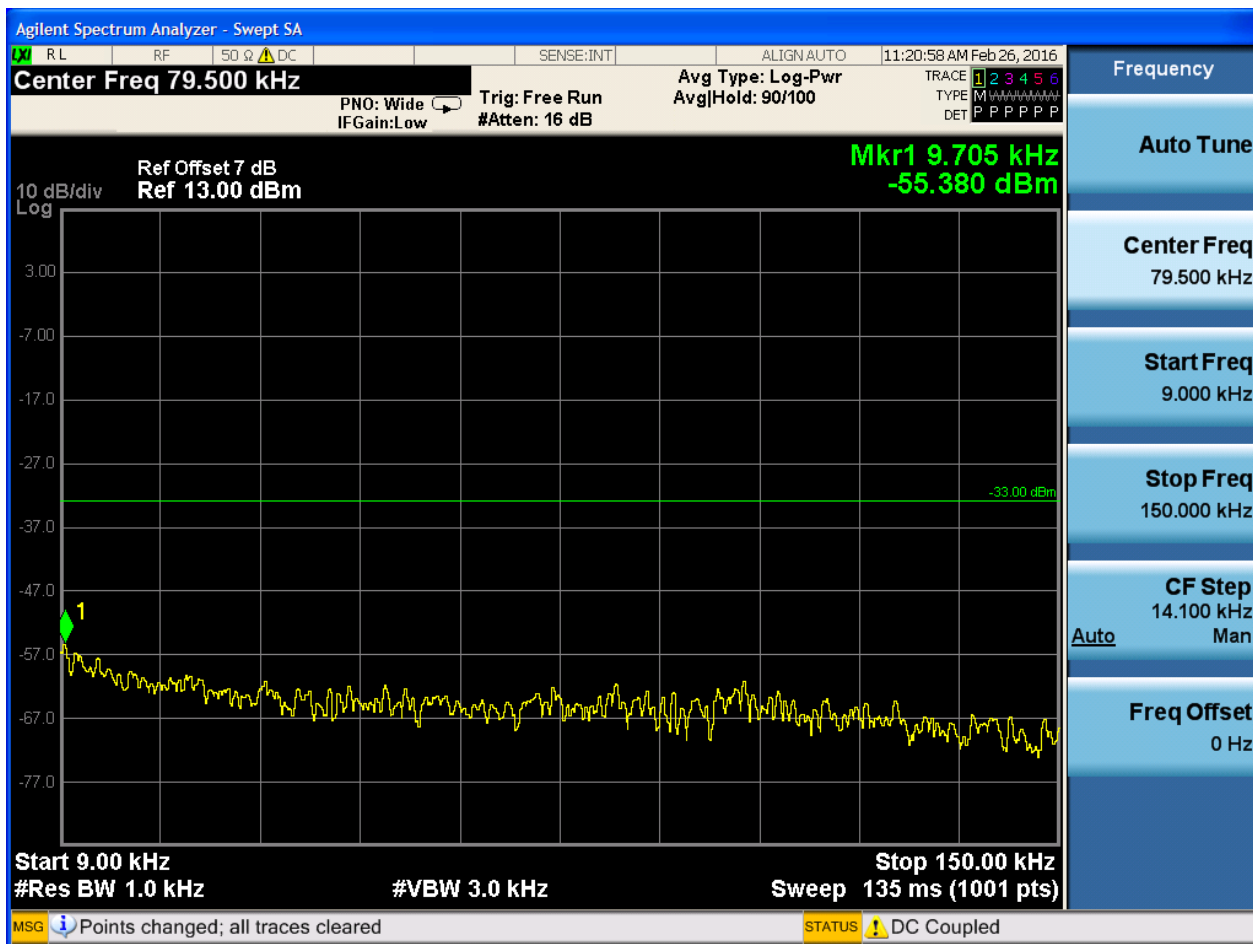




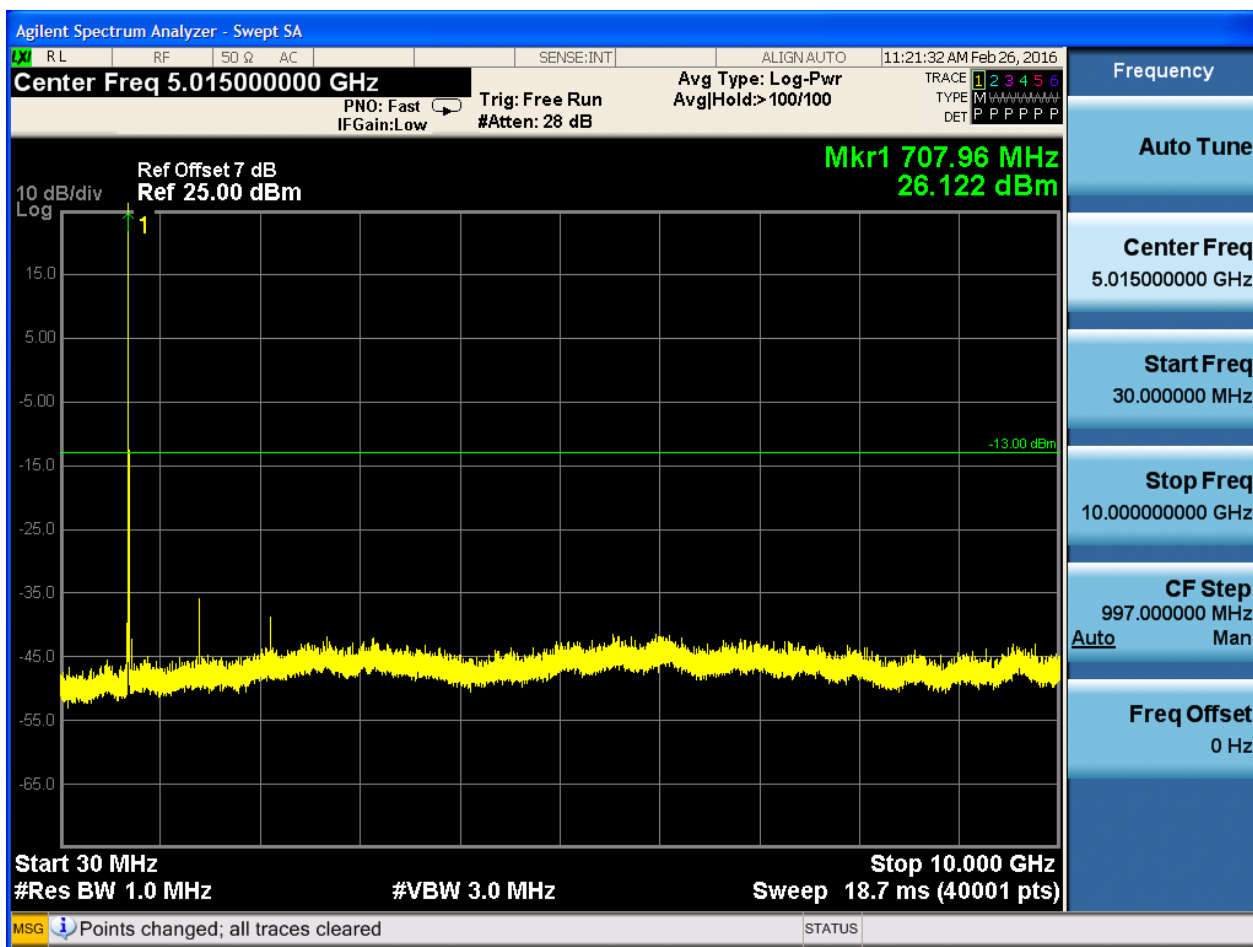


6.1.2.2.1.2 Test Channel = MCH

6.1.2.2.1.2.1 Test RB = RB1#0



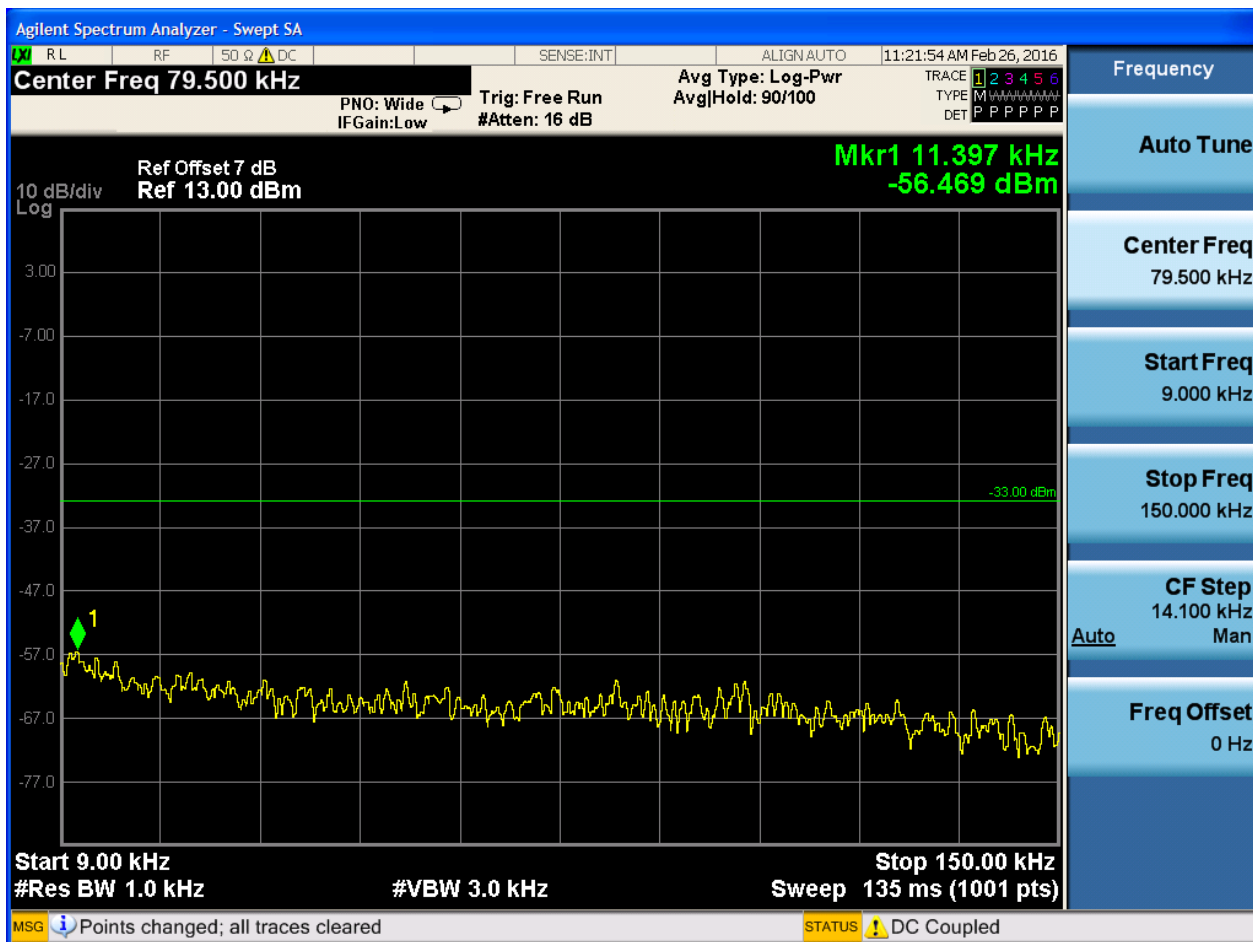




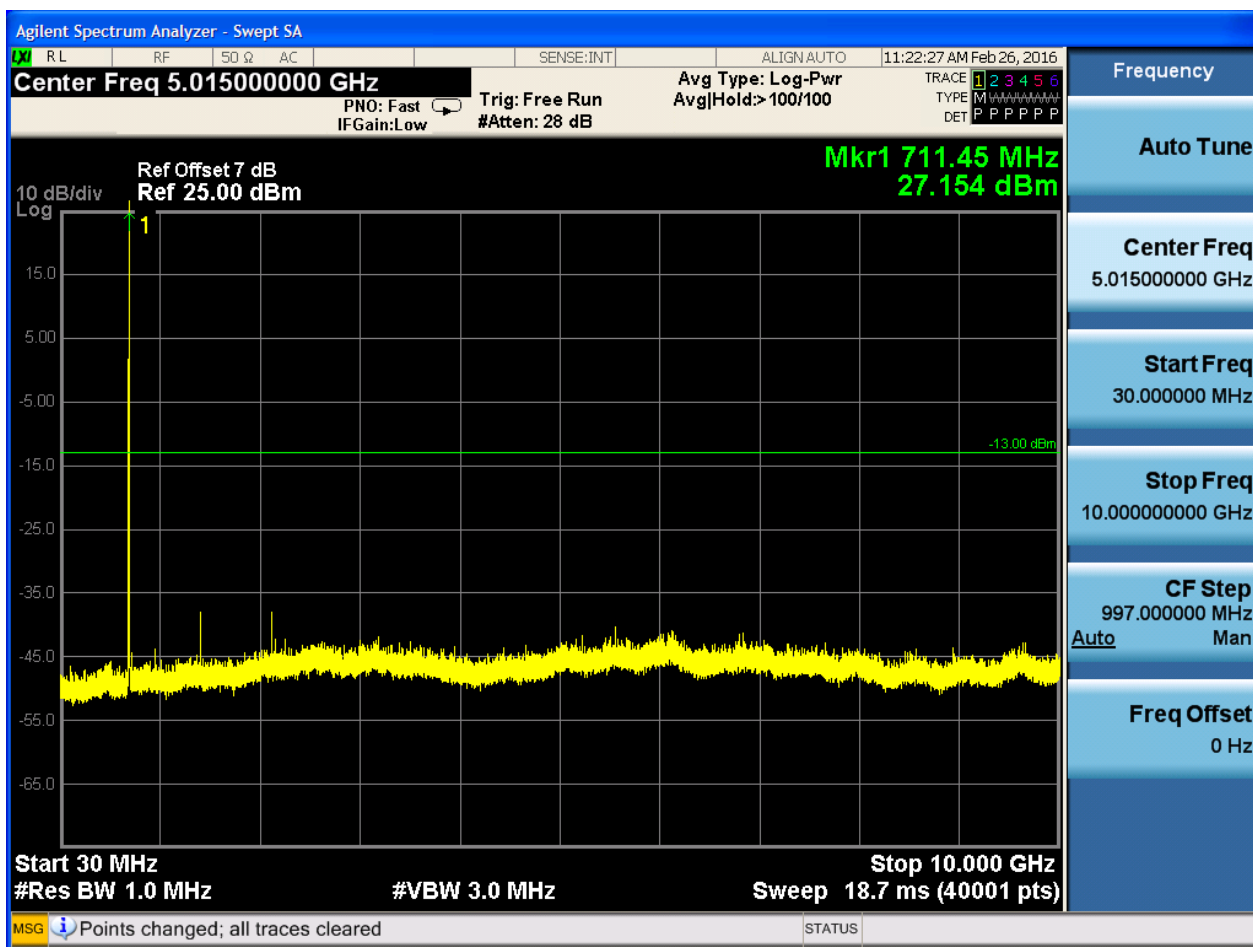


6.1.2.2.1.3 Test Channel = HCH

6.1.2.2.1.3.1 Test RB = RB1#0



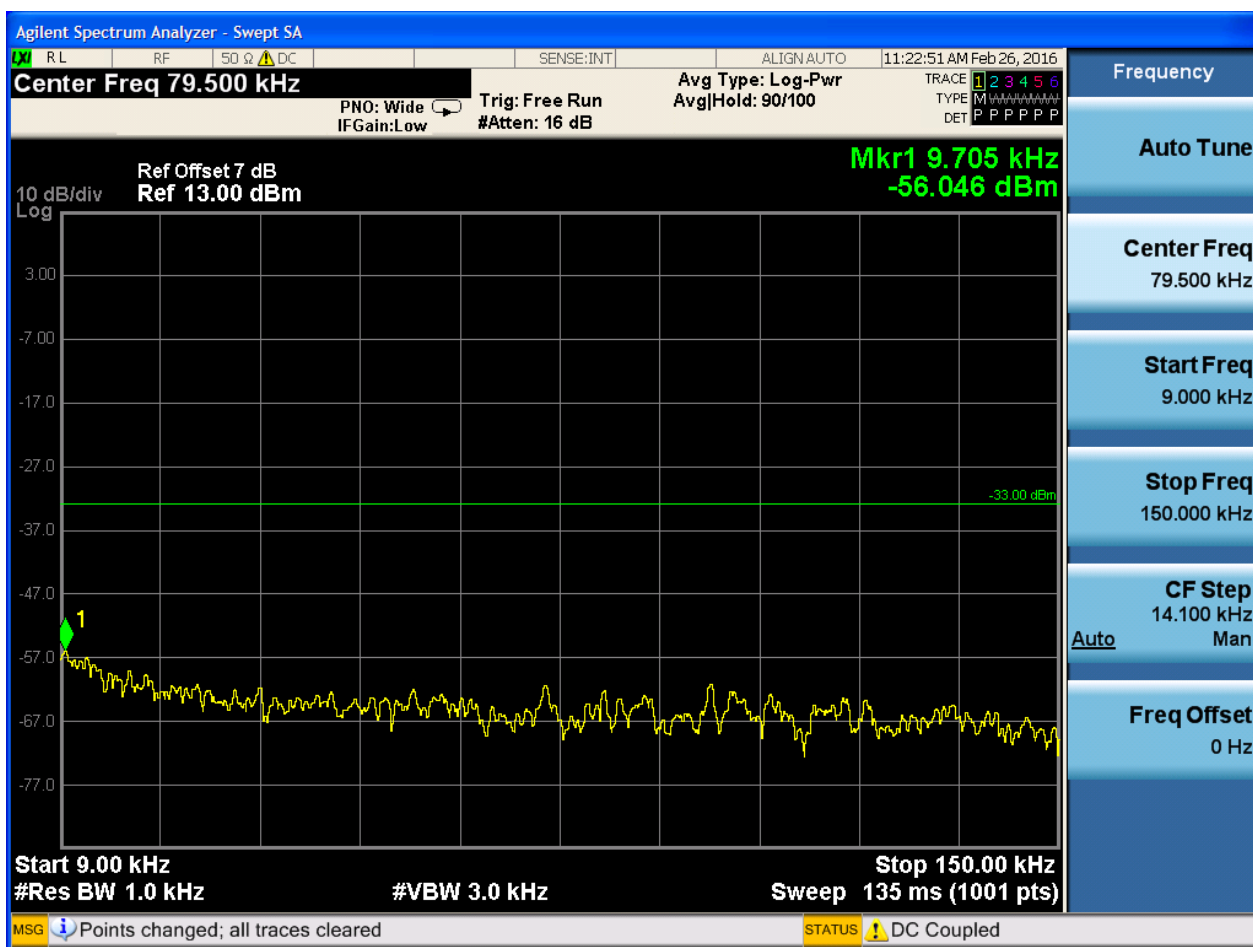


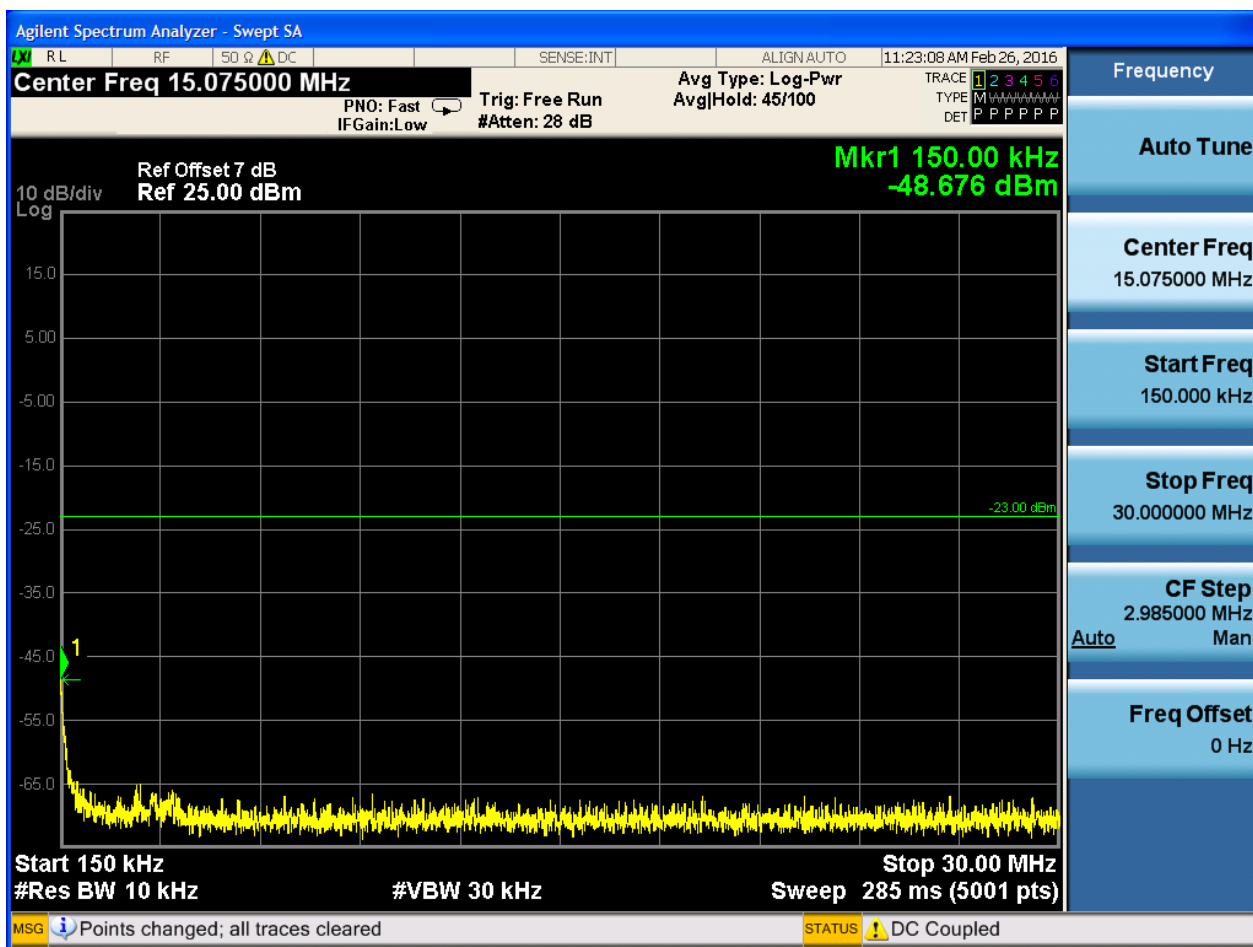


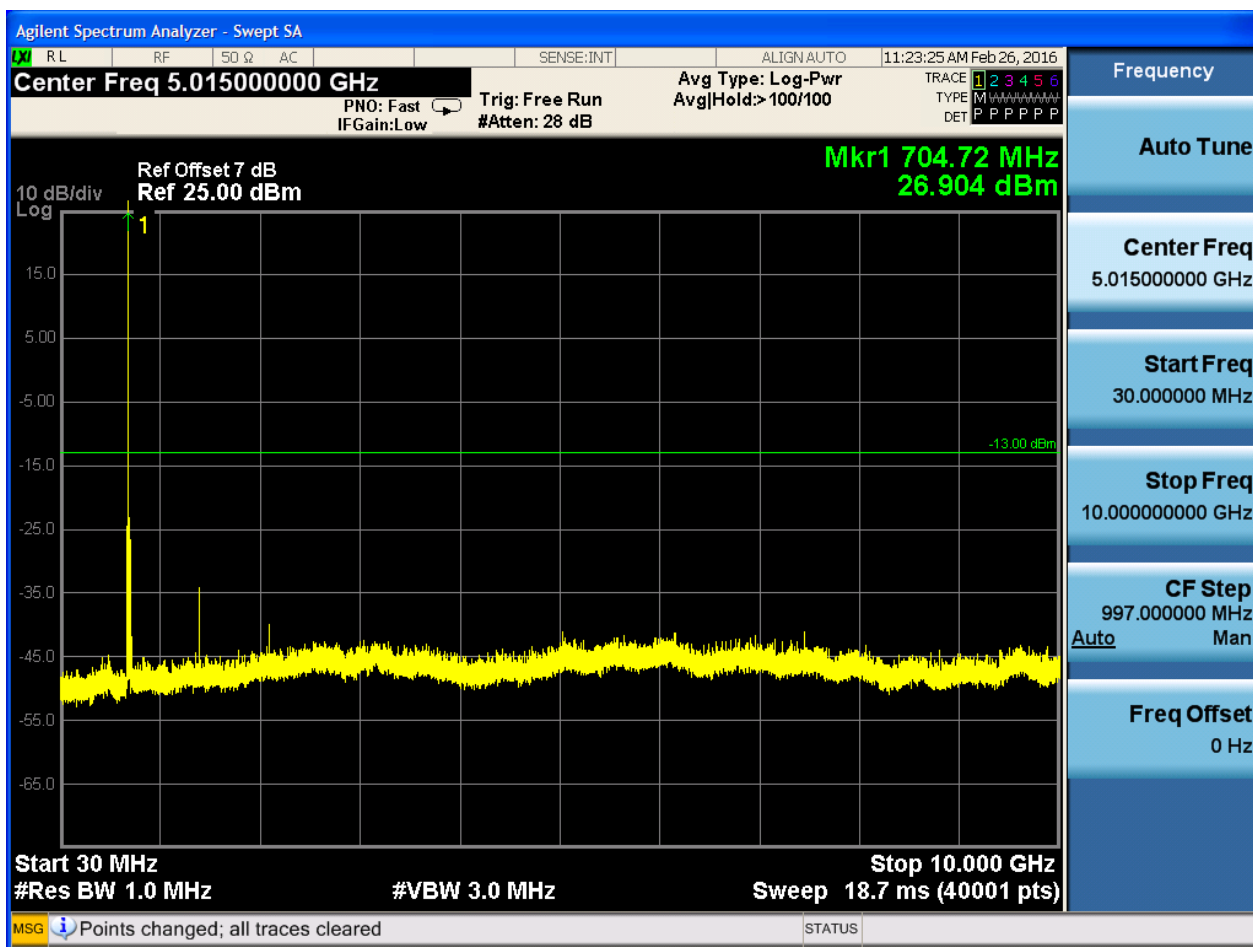
6.1.2.2.2 Test Bandwidth = 10

6.1.2.2.2.1 Test Channel = LCH

6.1.2.2.2.1.1 Test RB = RB1#0



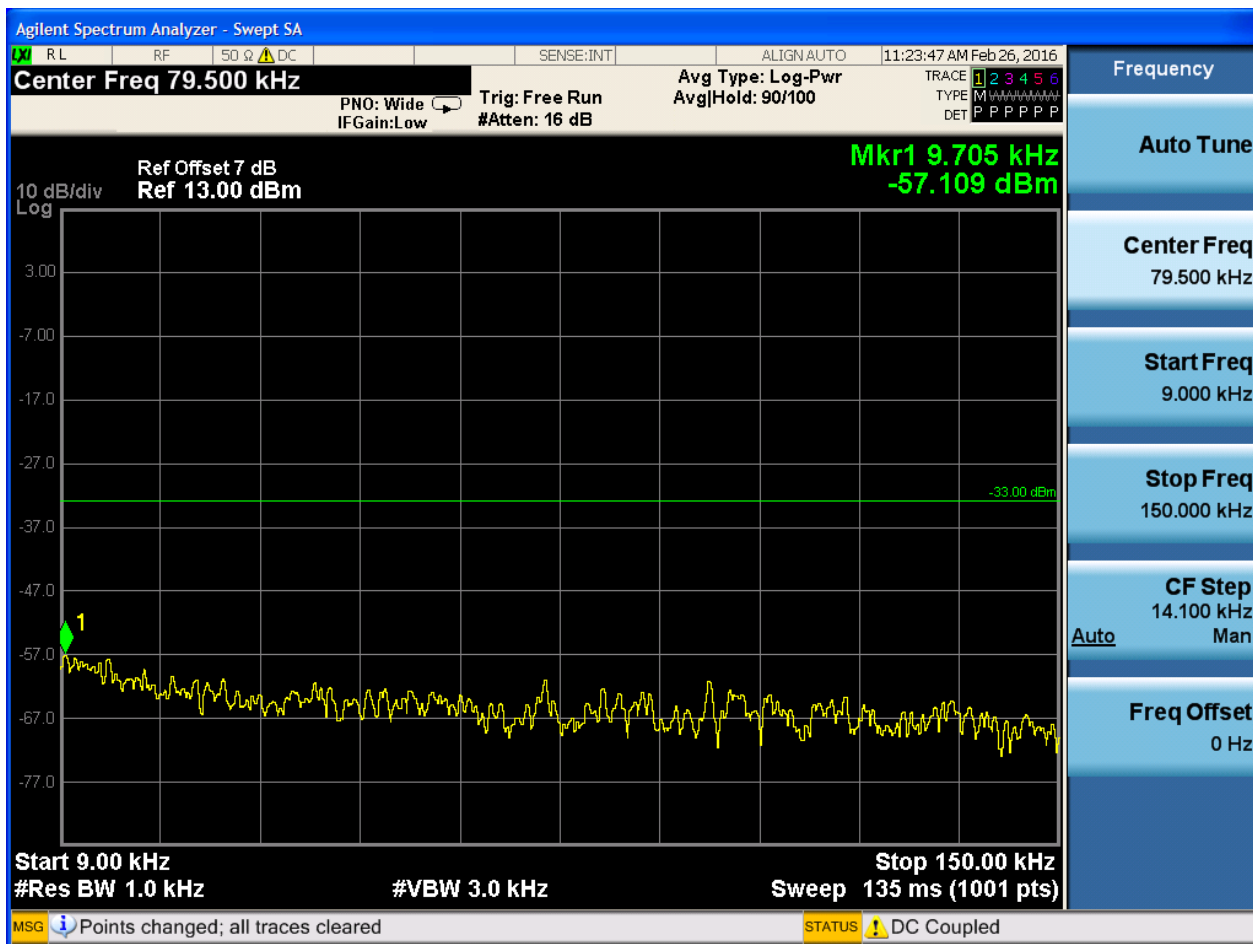


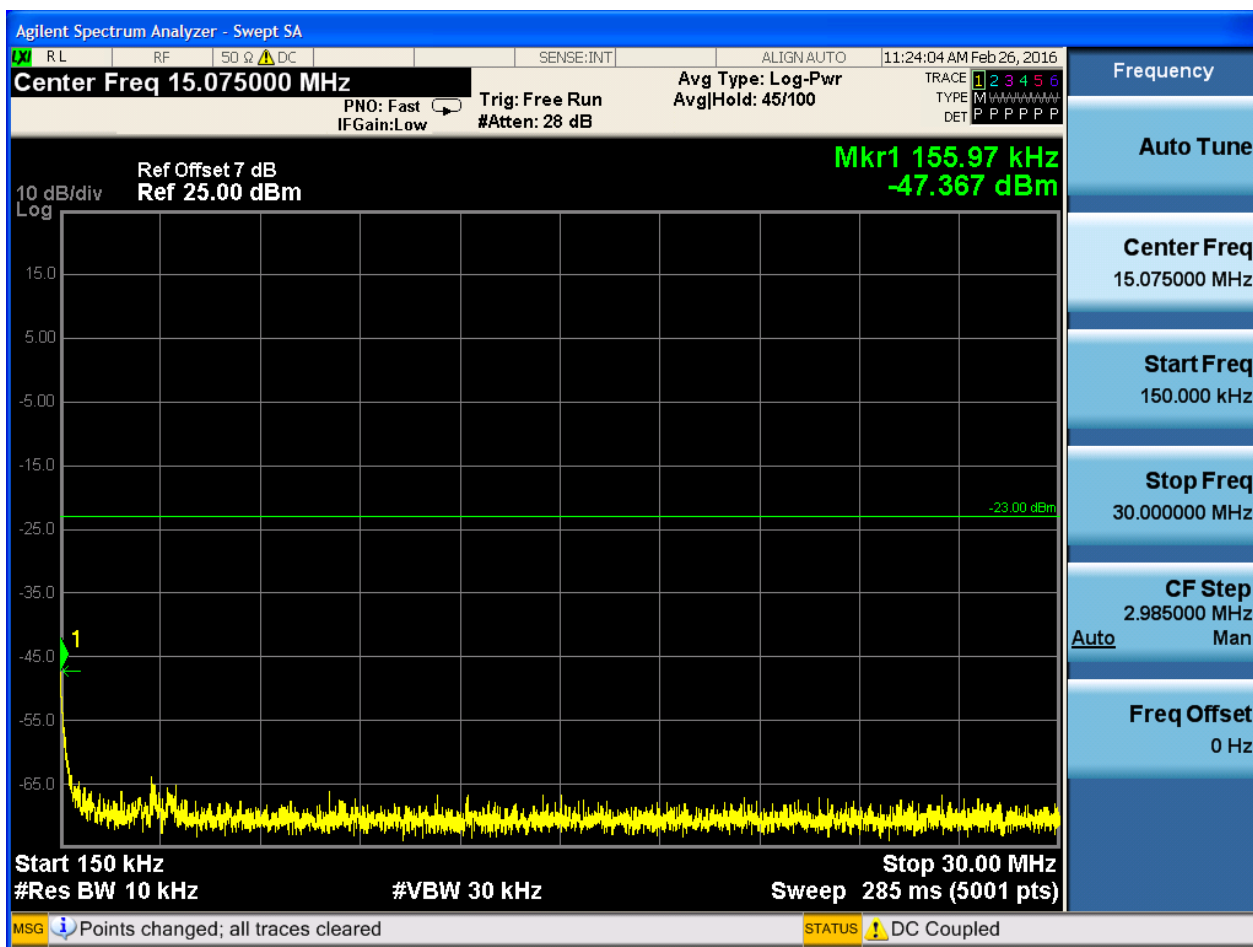


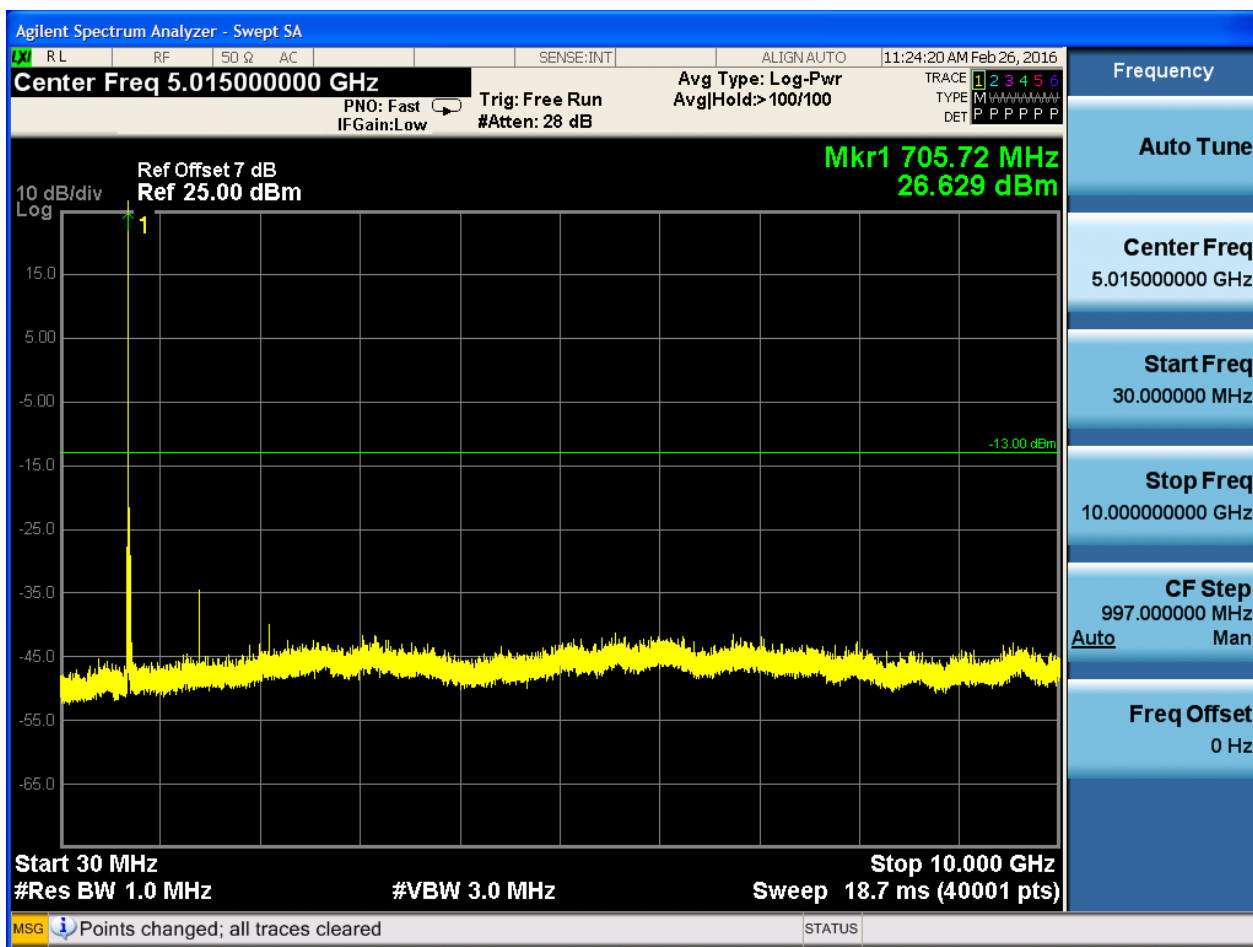


6.1.2.2.2 Test Channel = MCH

6.1.2.2.2.1 Test RB = RB1#0



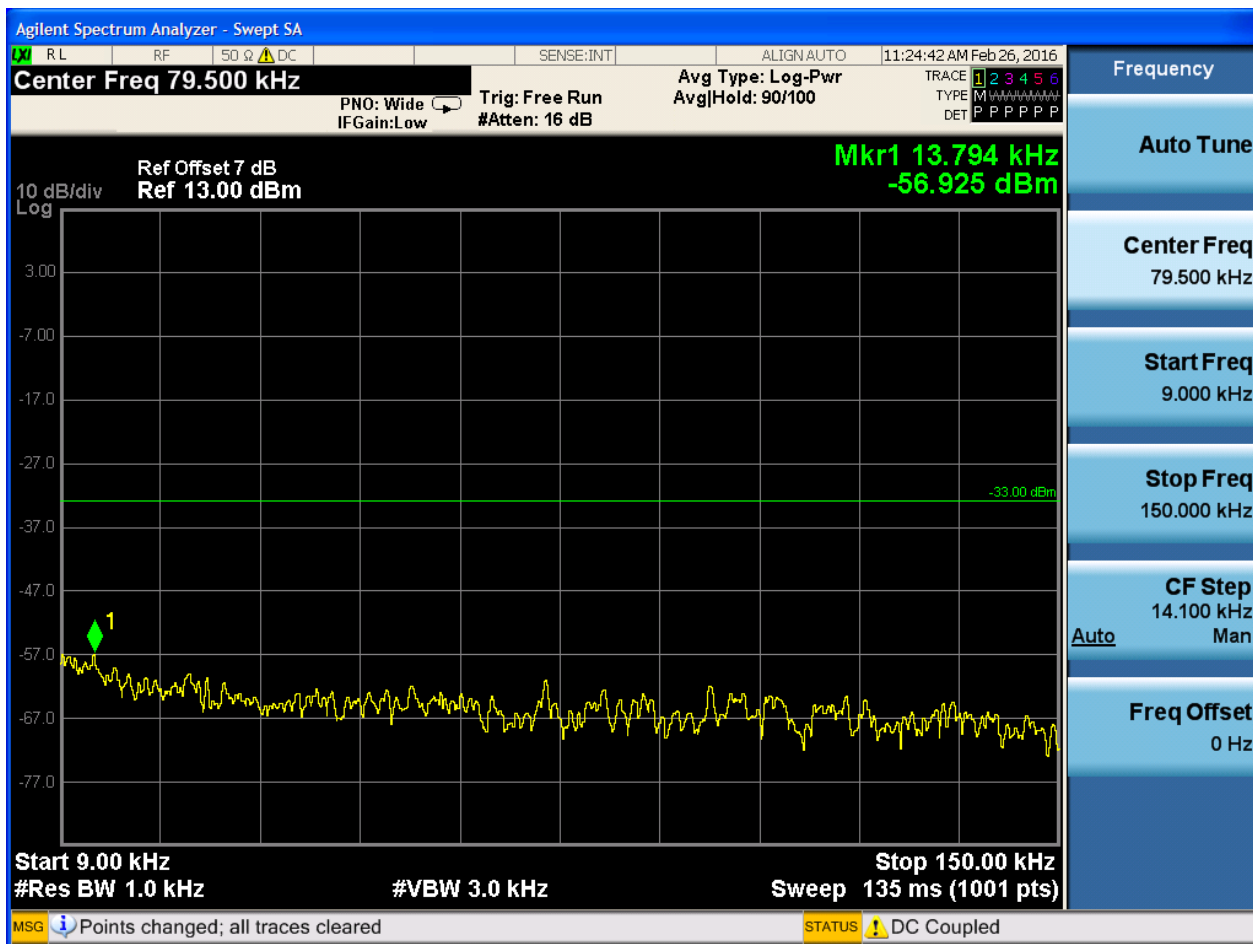


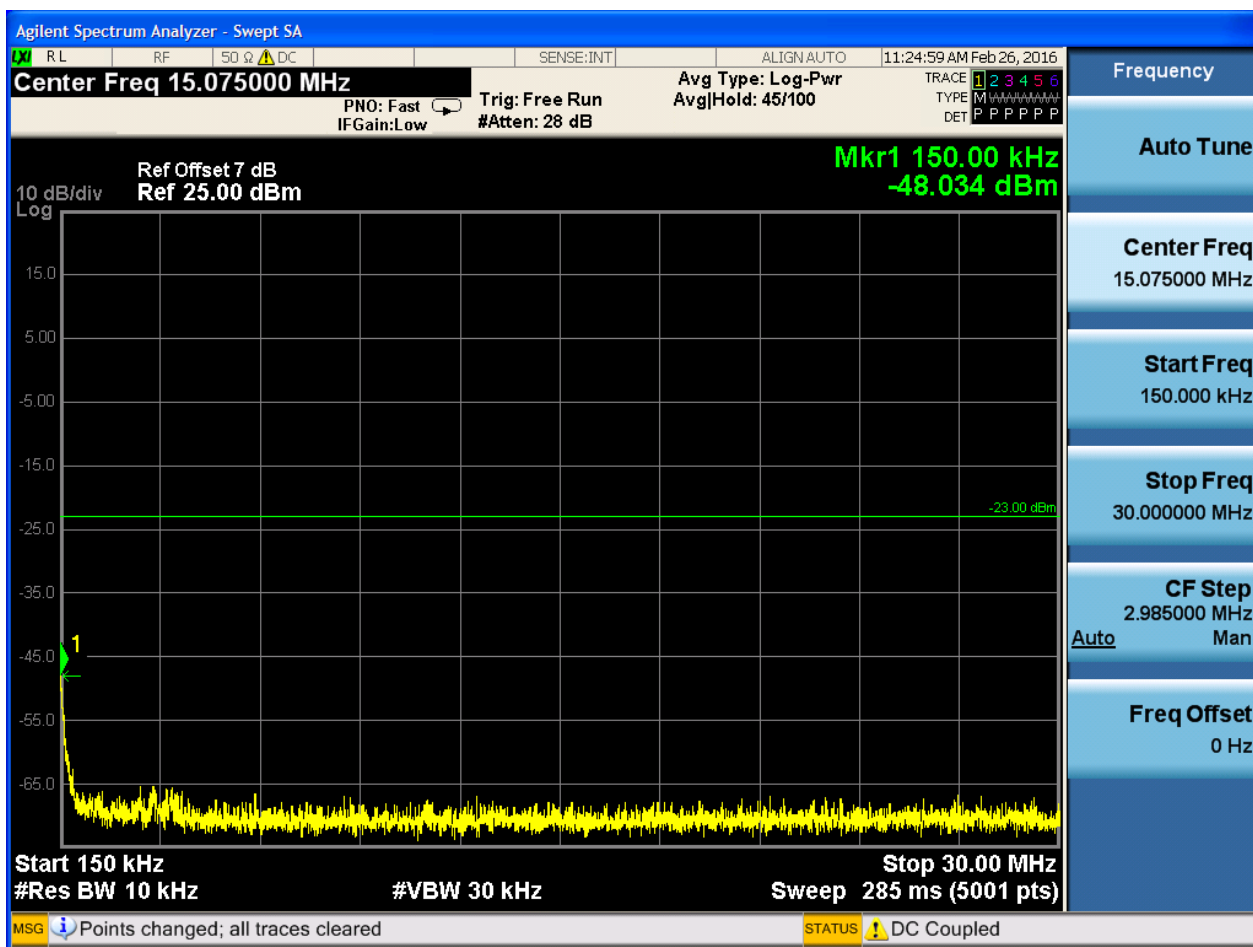


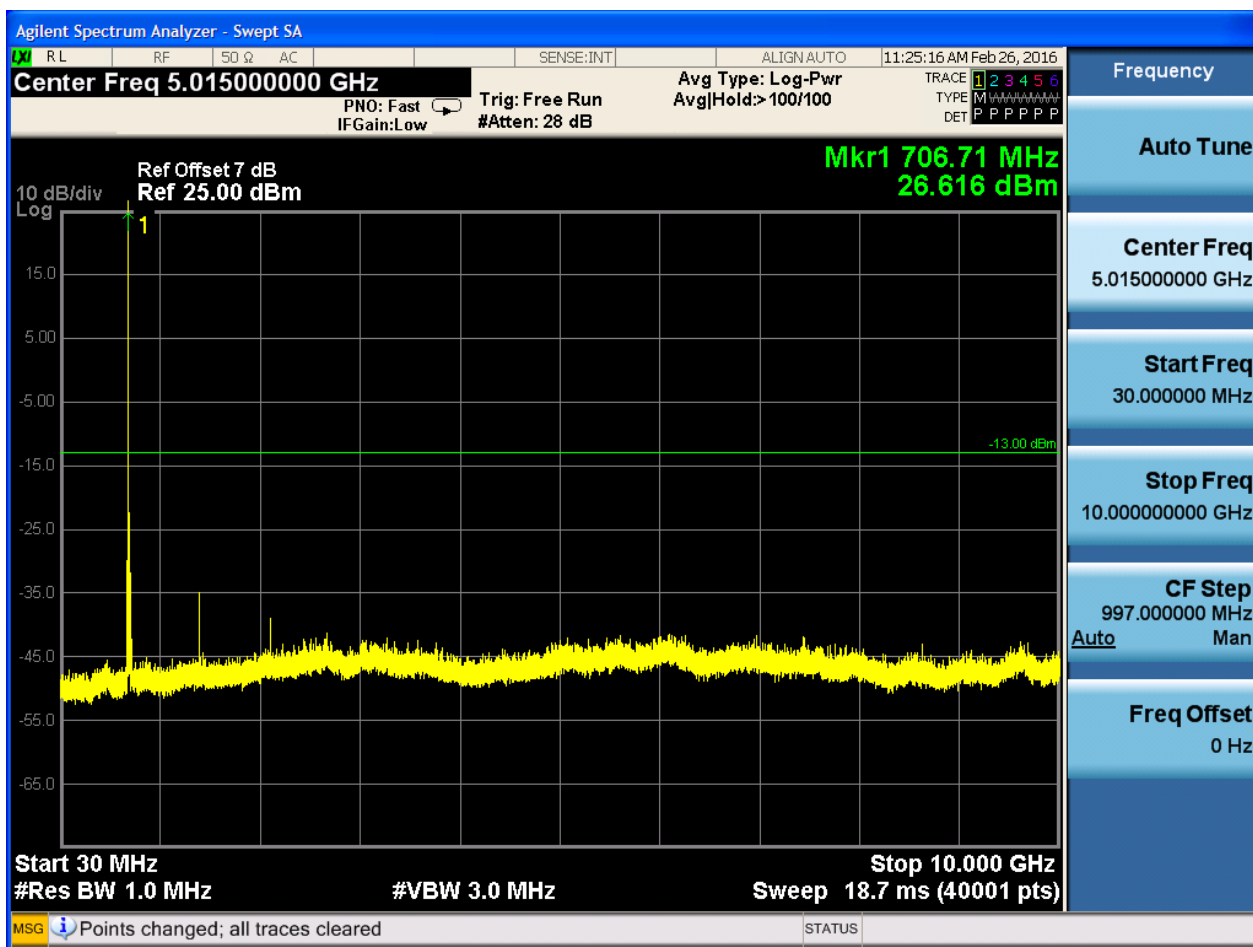


6.1.2.2.2.3 Test Channel = HCH

6.1.2.2.2.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:

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

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

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

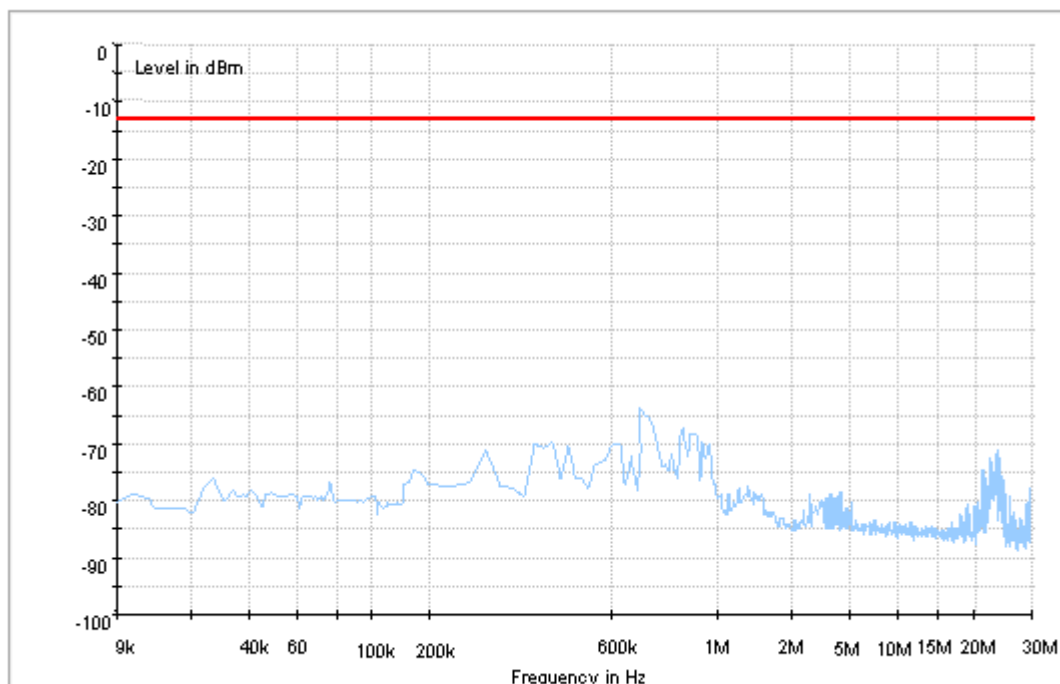
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

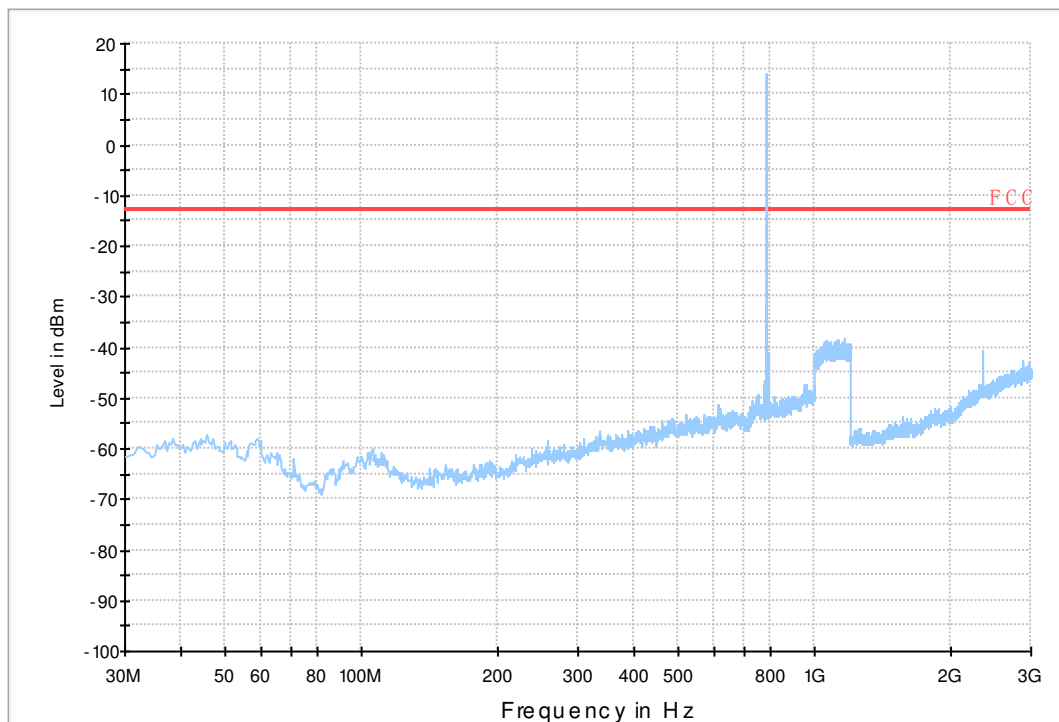
7.1 For LTE

7.1.1 Test Band = BAND13

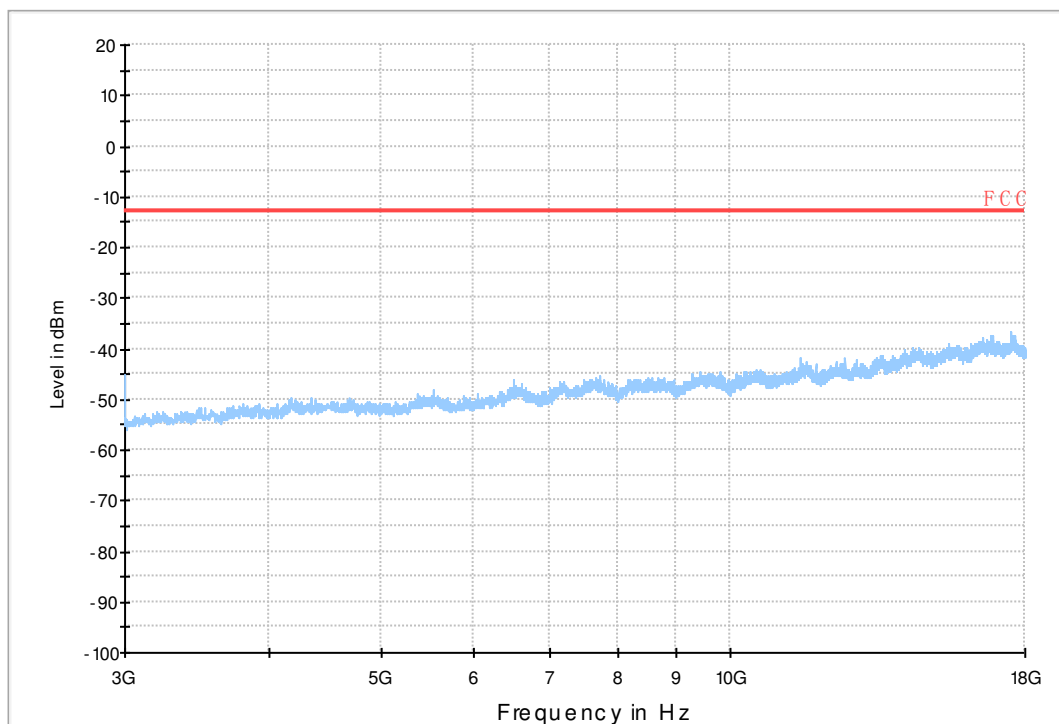
7.1.1.1 Test Bandwidth = 5



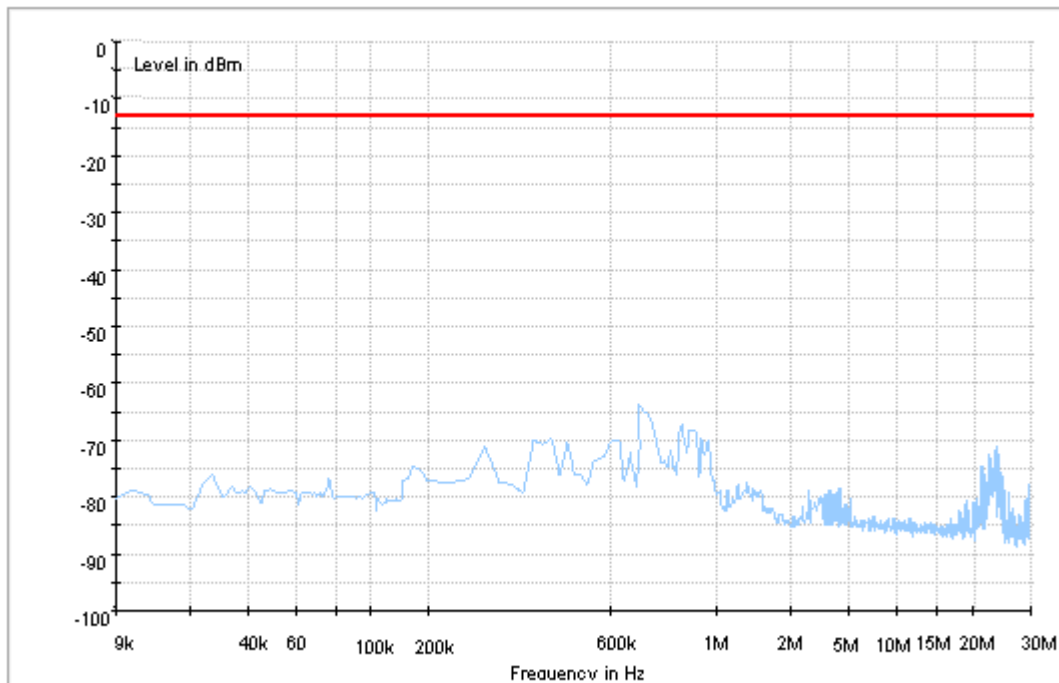
Copy of RSE-TX-DIRECTOR BELOW 1G_L



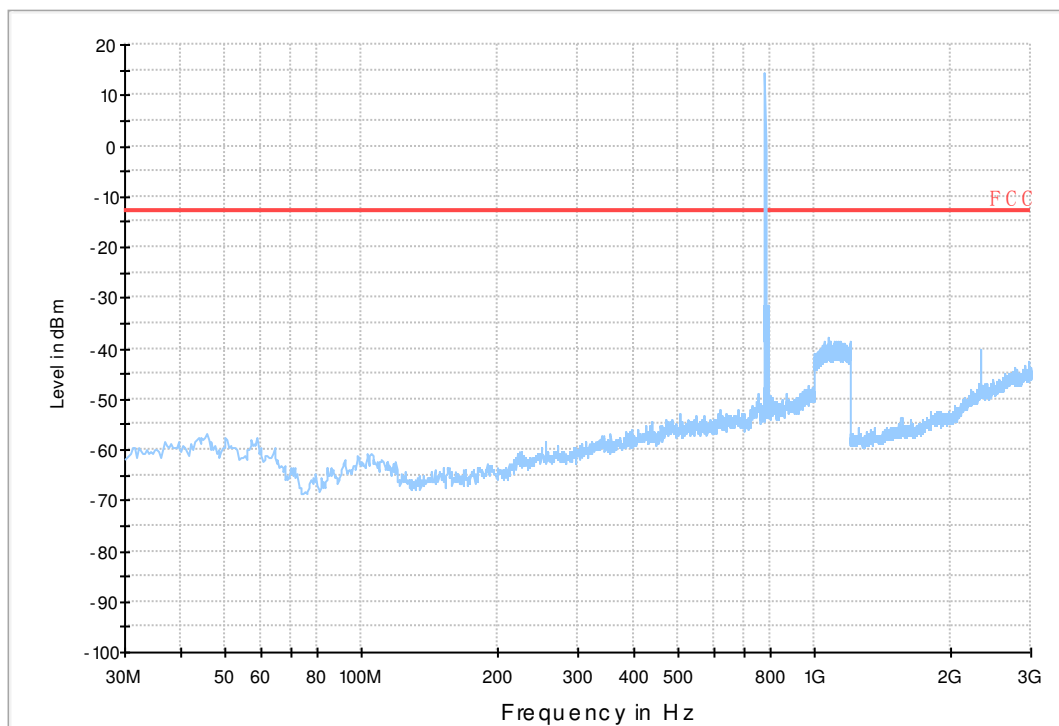
Copy of RSE-TX-DIRECTOR BELOW 1G_H



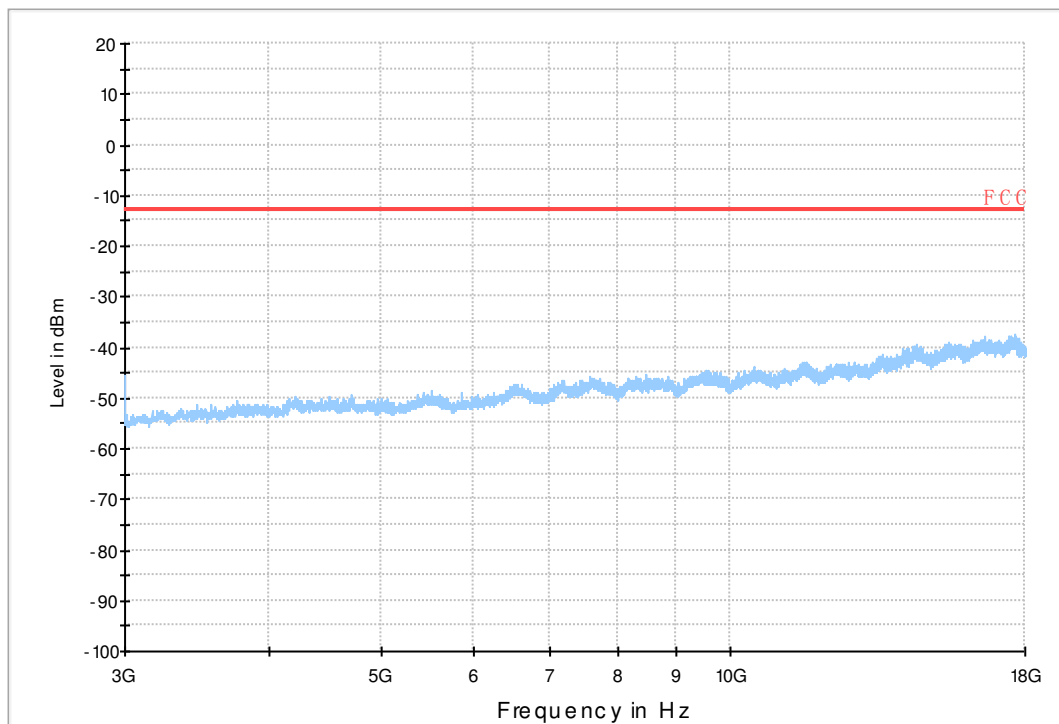
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

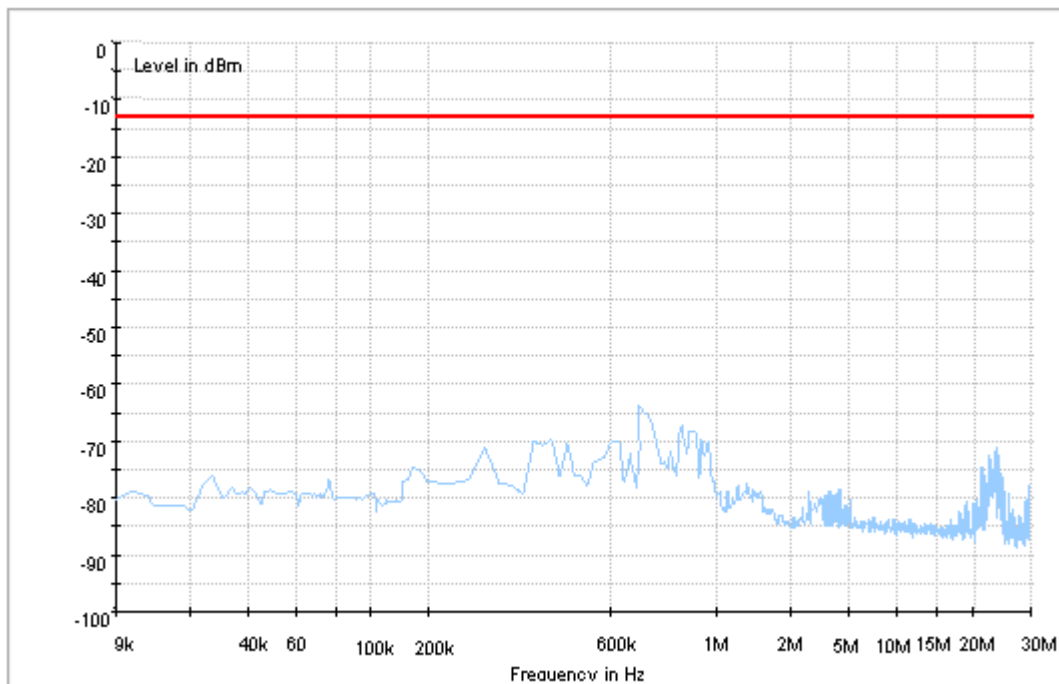


Copy of RSE-TX-DIRECTOR BELOW 1G_H

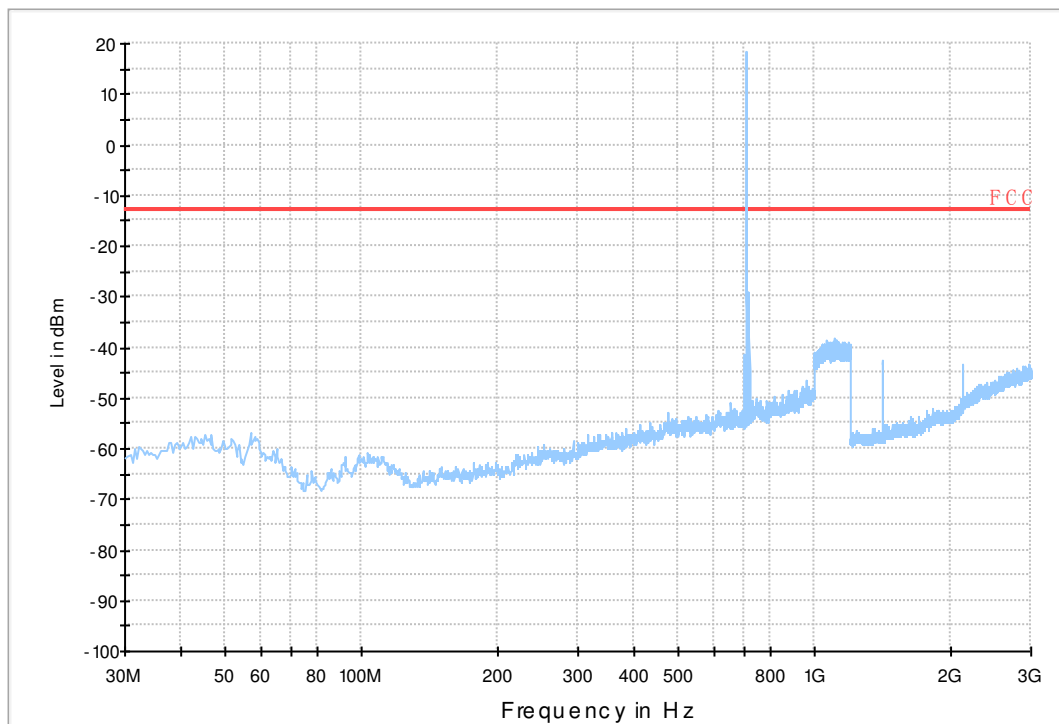


7.1.2 Test Band = BAND17

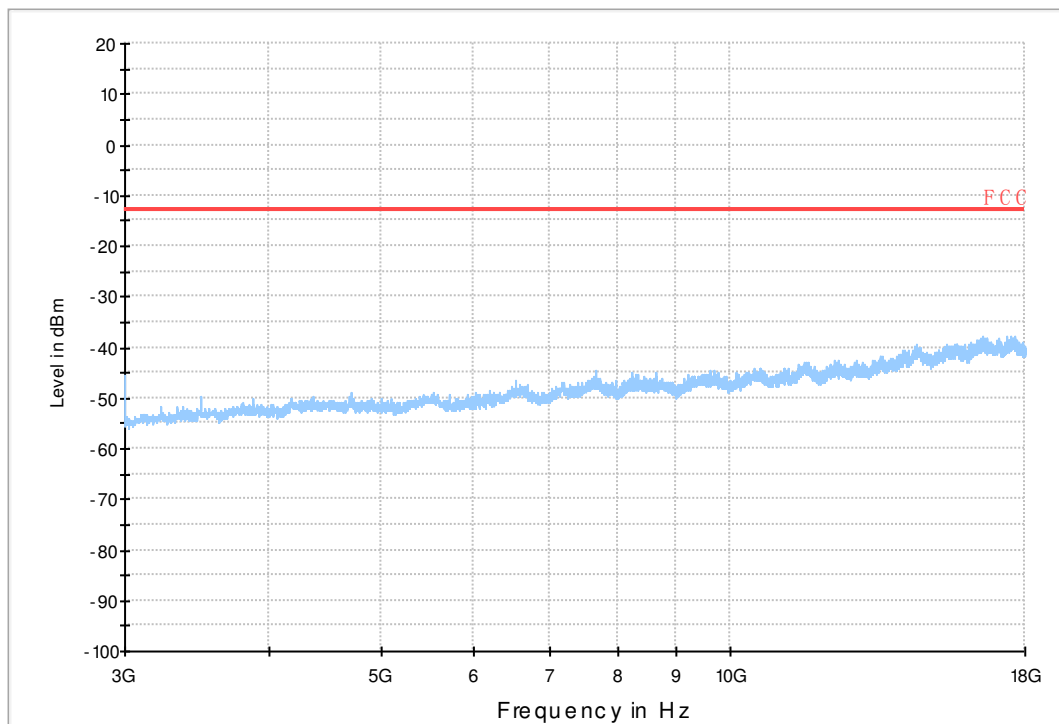
7.1.2.1 Test Bandwidth = 5



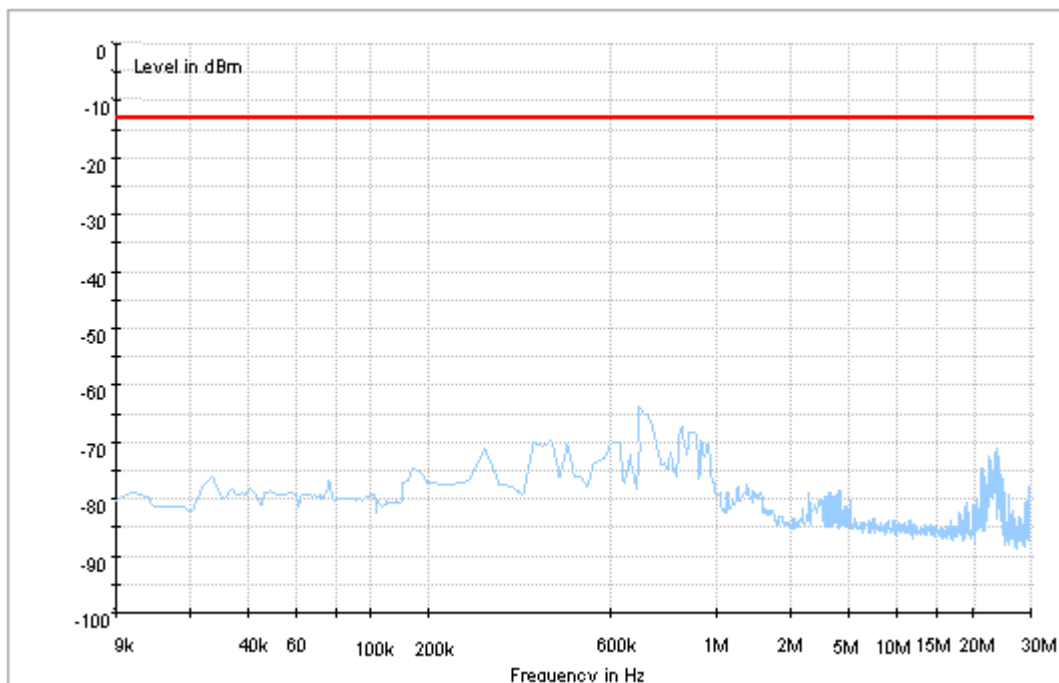
Copy of RSE-TX-DIRECTOR BELOW 1G_L



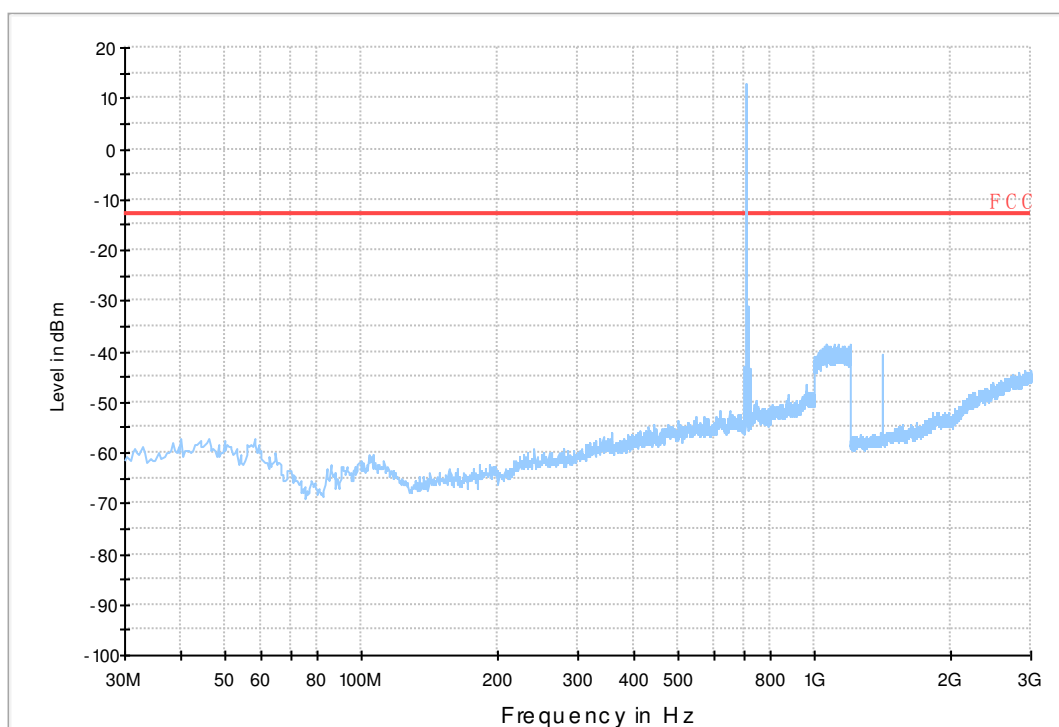
Copy of RSE-TX-DIRECTOR BELOW 1G_H



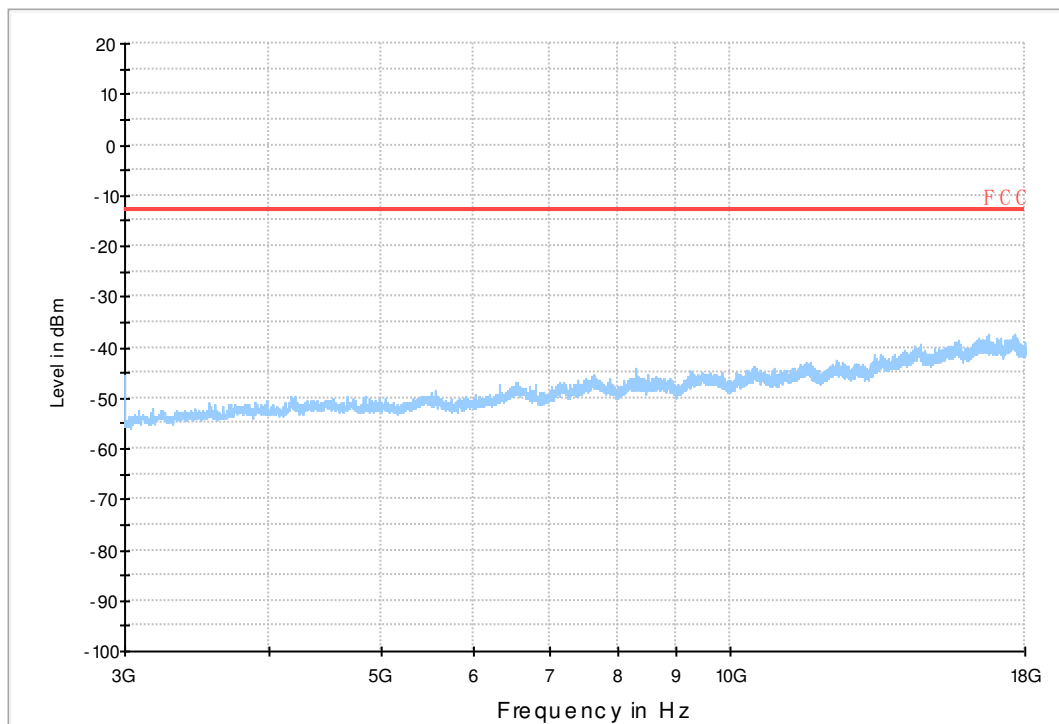
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For 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
BAND13	LTE/TM1	5	LCH	TN	VL	1.96	0.00251	PASS
					VN	-0.94	-0.00121	PASS
					VH	4.82	0.00618	PASS
			MCH	TN	VL	5.19	0.00664	PASS
					VN	-0.99	-0.00127	PASS
					VH	3.71	0.00474	PASS
			HCH	TN	VL	2.82	0.00359	PASS
					VN	-0.56	-0.00071	PASS
					VH	3.78	0.00482	PASS
		10	LCH	TN	VL	-2.35	-0.00301	PASS
					VN	-9.41	-0.01203	PASS
					VH	-6.21	-0.00794	PASS
			MCH	TN	VL	-5.51	-0.00705	PASS
					VN	0.30	0.00038	PASS
					VH	-5.65	-0.00723	PASS
			HCH	TN	VL	-5.62	-0.00719	PASS
					VN	-4.76	-0.00609	PASS
					VH	-9.90	-0.01266	PASS
	LTE/TM2	5	LCH	TN	VL	3.93	0.00504	PASS
					VN	0.06	0.00008	PASS
					VH	3.09	0.00396	PASS
			MCH	TN	VL	4.25	0.00543	PASS
					VN	0.33	0.00042	PASS
					VH	-1.86	-0.00238	PASS
			HCH	TN	VL	-1.77	-0.00226	PASS
					VN	2.66	0.00339	PASS
					VH	-2.20	-0.0028	PASS
		10	LCH	TN	VL	-0.16	-0.0002	PASS
					VN	-0.87	-0.00111	PASS
					VH	-1.10	-0.00141	PASS
			MCH	TN	VL	2.27	0.0029	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1		HCH	TN	VN	1.82	0.00233	PASS
					VH	1.29	0.00165	PASS
					VL	2.63	0.00336	PASS
					VN	-0.86	-0.0011	PASS
					VH	-0.69	-0.00088	PASS
		5	LCH	TN	VL	-3.60	-0.0051	PASS
					VN	-2.88	-0.00408	PASS
					VH	-4.22	-0.00597	PASS
			MCH	TN	VL	-2.96	-0.00417	PASS
					VN	2.05	0.00289	PASS
					VH	-0.54	-0.00076	PASS
		10	HCH	TN	VL	-0.67	-0.00094	PASS
					VN	0.94	0.00132	PASS
					VH	1.46	0.00205	PASS
			LCH	TN	VL	-0.63	-0.00089	PASS
					VN	-2.46	-0.00347	PASS
					VH	-0.04	-0.00006	PASS
			MCH	TN	VL	2.42	0.00341	PASS
					VN	1.10	0.00155	PASS
					VH	2.00	0.00282	PASS
			HCH	TN	VL	0.74	0.00104	PASS
					VN	0.84	0.00118	PASS
					VH	-0.72	-0.00101	PASS
	LTE/TM2	5	LCH	TN	VL	0.21	0.0003	PASS
					VN	-1.04	-0.00147	PASS
					VH	0.51	0.00072	PASS
			MCH	TN	VL	1.27	0.00179	PASS
					VN	-0.47	-0.00066	PASS
					VH	-2.09	-0.00294	PASS
			HCH	TN	VL	2.03	0.00285	PASS
					VN	3.99	0.00559	PASS
					VH	1.46	0.00205	PASS
		10	LCH	TN	VL	-0.33	-0.00047	PASS
					VN	1.60	0.00226	PASS
					VH	0.66	0.00093	PASS
			MCH	TN	VL	2.55	0.00359	PASS
					VN	2.57	0.00362	PASS
					VH	2.09	0.00294	PASS
			HCH	TN	VL	1.43	0.00201	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.62	0.00087	PASS
					VH	0.11	0.00015	PASS

8.1.2 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND13	LTE/TM1	5	LCH	VN	-30	-0.39	-0.0005	PASS
					-20	4.76	0.00611	PASS
					-10	-0.57	-0.00073	PASS
					0	3.05	0.00391	PASS
					10	-3.88	-0.00498	PASS
					20	8.17	0.01048	PASS
					30	-0.30	-0.00038	PASS
					40	2.36	0.00303	PASS
					50	1.22	0.00157	PASS
			MCH	VN	-30	-2.15	-0.00275	PASS
					-20	-3.55	-0.00454	PASS
					-10	5.02	0.00642	PASS
					0	-5.24	-0.0067	PASS
					10	3.23	0.00413	PASS
					20	-2.96	-0.00379	PASS
					30	3.16	0.00404	PASS
					40	-2.90	-0.00371	PASS
					50	2.69	0.00344	PASS
			HCH	VN	-30	5.08	0.00648	PASS
					-20	0.04	0.00005	PASS
					-10	3.10	0.00395	PASS
					0	1.37	0.00175	PASS
					10	1.39	0.00177	PASS
					20	1.89	0.00241	PASS
					30	-0.72	-0.00092	PASS
					40	1.26	0.00161	PASS
					50	-2.98	-0.0038	PASS
		10	LCH	VN	-30	-4.13	-0.00528	PASS
					-20	-5.55	-0.0071	PASS
					-10	-6.87	-0.00879	PASS
					0	-2.46	-0.00315	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-7.07	-0.00904	PASS
					20	-5.85	-0.00748	PASS
					30	-3.10	-0.00396	PASS
					40	-7.14	-0.00913	PASS
					50	-0.83	-0.00106	PASS
			MCH	VN	-30	-6.65	-0.0085	PASS
					-20	-9.73	-0.01244	PASS
					-10	-9.78	-0.01251	PASS
					0	-8.55	-0.01093	PASS
					10	-12.12	-0.0155	PASS
					20	-6.90	-0.00882	PASS
					30	-10.46	-0.01338	PASS
					40	-11.89	-0.0152	PASS
					50	-7.84	-0.01003	PASS
			HCH	VN	-30	-7.51	-0.0096	PASS
					-20	-11.01	-0.01408	PASS
					-10	-8.05	-0.01029	PASS
					0	-14.23	-0.0182	PASS
					10	-9.33	-0.01193	PASS
					20	-4.94	-0.00632	PASS
					30	-12.09	-0.01546	PASS
					40	-11.59	-0.01482	PASS
					50	-12.76	-0.01632	PASS
	LTE/TM2	5	LCH	VN	-30	4.22	0.00541	PASS
					-20	0.24	0.00031	PASS
					-10	3.12	0.004	PASS
					0	6.37	0.00817	PASS
					10	4.58	0.00588	PASS
					20	-1.49	-0.00191	PASS
					30	3.48	0.00446	PASS
					40	-1.54	-0.00198	PASS
					50	2.55	0.00327	PASS
			MCH	VN	-30	6.92	0.00885	PASS
					-20	-1.33	-0.0017	PASS
					-10	0.09	0.00012	PASS
					0	-2.75	-0.00352	PASS
					10	4.12	0.00527	PASS
					20	-1.76	-0.00225	PASS
					30	4.84	0.00619	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.20	0.00026	PASS
					50	7.38	0.00944	PASS
			HCH	VN	-30	4.33	0.00552	PASS
					-20	0.53	0.00068	PASS
					-10	-0.79	-0.00101	PASS
					0	0.23	0.00029	PASS
					10	-3.06	-0.0039	PASS
					20	-0.43	-0.00055	PASS
					30	-6.45	-0.00822	PASS
					40	-0.44	-0.00056	PASS
					50	-7.11	-0.00906	PASS
		10	LCH	VN	-30	2.30	0.00294	PASS
					-20	-0.96	-0.00123	PASS
					-10	0.39	0.0005	PASS
					0	2.20	0.00281	PASS
					10	1.95	0.00249	PASS
					20	2.12	0.00271	PASS
					30	-1.52	-0.00194	PASS
					40	3.28	0.00419	PASS
			MCH	VN	50	2.76	0.00353	PASS
					-30	2.25	0.00288	PASS
					-20	-1.00	-0.00128	PASS
					-10	3.88	0.00496	PASS
					0	-0.84	-0.00107	PASS
					10	2.99	0.00382	PASS
					20	4.25	0.00543	PASS
					30	0.26	0.00033	PASS
			HCH	VN	40	-0.27	-0.00035	PASS
					50	0.11	0.00014	PASS
					-30	0.63	0.00081	PASS
					-20	0.40	0.00051	PASS
					-10	3.66	0.00468	PASS
					0	-1.80	-0.0023	PASS
					10	2.62	0.00335	PASS
					20	2.29	0.00293	PASS
					30	0.92	0.00118	PASS
					40	1.82	0.00233	PASS
					50	-2.02	-0.00258	PASS
BAND17	LTE/TM1	5	LCH	VN	-30	-2.49	-0.00352	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.54	-0.00076	PASS
					-10	4.25	0.00602	PASS
					0	1.97	0.00279	PASS
					10	1.56	0.00221	PASS
					20	2.88	0.00408	PASS
					30	1.53	0.00217	PASS
					40	0.93	0.00132	PASS
					50	0.27	0.00038	PASS
			MCH	VN	-30	-0.34	-0.00048	PASS
					-20	1.00	0.00141	PASS
					-10	0.70	0.00099	PASS
					0	1.79	0.00252	PASS
					10	1.23	0.00173	PASS
					20	2.53	0.00356	PASS
					30	3.25	0.00458	PASS
					40	1.27	0.00179	PASS
					50	0.07	0.0001	PASS
			HCH	VN	-30	-2.16	-0.00303	PASS
					-20	1.77	0.00248	PASS
					-10	-0.50	-0.0007	PASS
					0	-0.44	-0.00062	PASS
					10	-0.34	-0.00048	PASS
					20	-2.20	-0.00308	PASS
					30	0.60	0.00084	PASS
					40	-0.11	-0.00015	PASS
					50	0.89	0.00125	PASS
		10	LCH	VN	-30	-2.19	-0.00309	PASS
					-20	0.33	0.00047	PASS
					-10	-0.40	-0.00056	PASS
					0	-0.97	-0.00137	PASS
					10	-1.29	-0.00182	PASS
					20	-0.57	-0.0008	PASS
					30	-1.79	-0.00252	PASS
					40	-0.94	-0.00133	PASS
					50	-0.27	-0.00038	PASS
			MCH	VN	-30	0.96	0.00135	PASS
					-20	-0.17	-0.00024	PASS
					-10	0.26	0.00037	PASS
					0	0.20	0.00028	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.02	0.00144	PASS
					20	-0.50	-0.0007	PASS
					30	-0.26	-0.00037	PASS
					40	2.20	0.0031	PASS
					50	0.27	0.00038	PASS
			HCH	VN	-30	1.24	0.00174	PASS
					-20	-0.69	-0.00097	PASS
					-10	-0.86	-0.00121	PASS
					0	0.92	0.00129	PASS
					10	0.47	0.00066	PASS
					20	-0.84	-0.00118	PASS
					30	0.00	0	PASS
					40	1.67	0.00235	PASS
					50	0.24	0.00034	PASS
	LTE/TM2	5	LCH	VN	-30	1.30	0.00184	PASS
					-20	-1.36	-0.00192	PASS
					-10	-0.34	-0.00048	PASS
					0	-1.07	-0.00151	PASS
					10	1.12	0.00159	PASS
					20	-3.18	-0.0045	PASS
					30	-3.45	-0.00488	PASS
					40	-3.53	-0.005	PASS
					50	0.37	0.00052	PASS
			MCH	VN	-30	2.47	0.00348	PASS
					-20	-0.94	-0.00132	PASS
					-10	1.65	0.00232	PASS
					0	3.81	0.00537	PASS
					10	0.50	0.0007	PASS
					20	0.93	0.00131	PASS
					30	0.33	0.00046	PASS
					40	1.32	0.00186	PASS
					50	2.27	0.0032	PASS
			HCH	VN	-30	-0.39	-0.00055	PASS
					-20	1.32	0.00185	PASS
					-10	1.34	0.00188	PASS
					0	-1.49	-0.00209	PASS
					10	1.14	0.0016	PASS
					20	-2.49	-0.00349	PASS
					30	-2.25	-0.00315	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10			40	1.37	0.00192	PASS
					50	-2.68	-0.00376	PASS
			LCH	VN	-30	1.97	0.00278	PASS
					-20	2.00	0.00282	PASS
					-10	1.75	0.00247	PASS
					0	-0.19	-0.00027	PASS
					10	2.89	0.00408	PASS
					20	2.30	0.00324	PASS
					30	1.50	0.00212	PASS
					40	3.28	0.00463	PASS
					50	2.15	0.00303	PASS
			MCH	VN	-30	1.17	0.00165	PASS
					-20	-0.26	-0.00037	PASS
					-10	1.19	0.00168	PASS
					0	0.53	0.00075	PASS
					10	0.16	0.00023	PASS
					20	-0.16	-0.00023	PASS
					30	-0.43	-0.00061	PASS
					40	-1.40	-0.00197	PASS
			HCH	VN	50	-1.52	-0.00214	PASS
					-30	3.60	0.00506	PASS
					-20	1.03	0.00145	PASS
					-10	1.37	0.00193	PASS
					0	2.15	0.00302	PASS
					10	1.59	0.00224	PASS
					20	1.70	0.00239	PASS
					30	1.32	0.00186	PASS
					40	0.94	0.00132	PASS
					50	0.66	0.00093	PASS

END