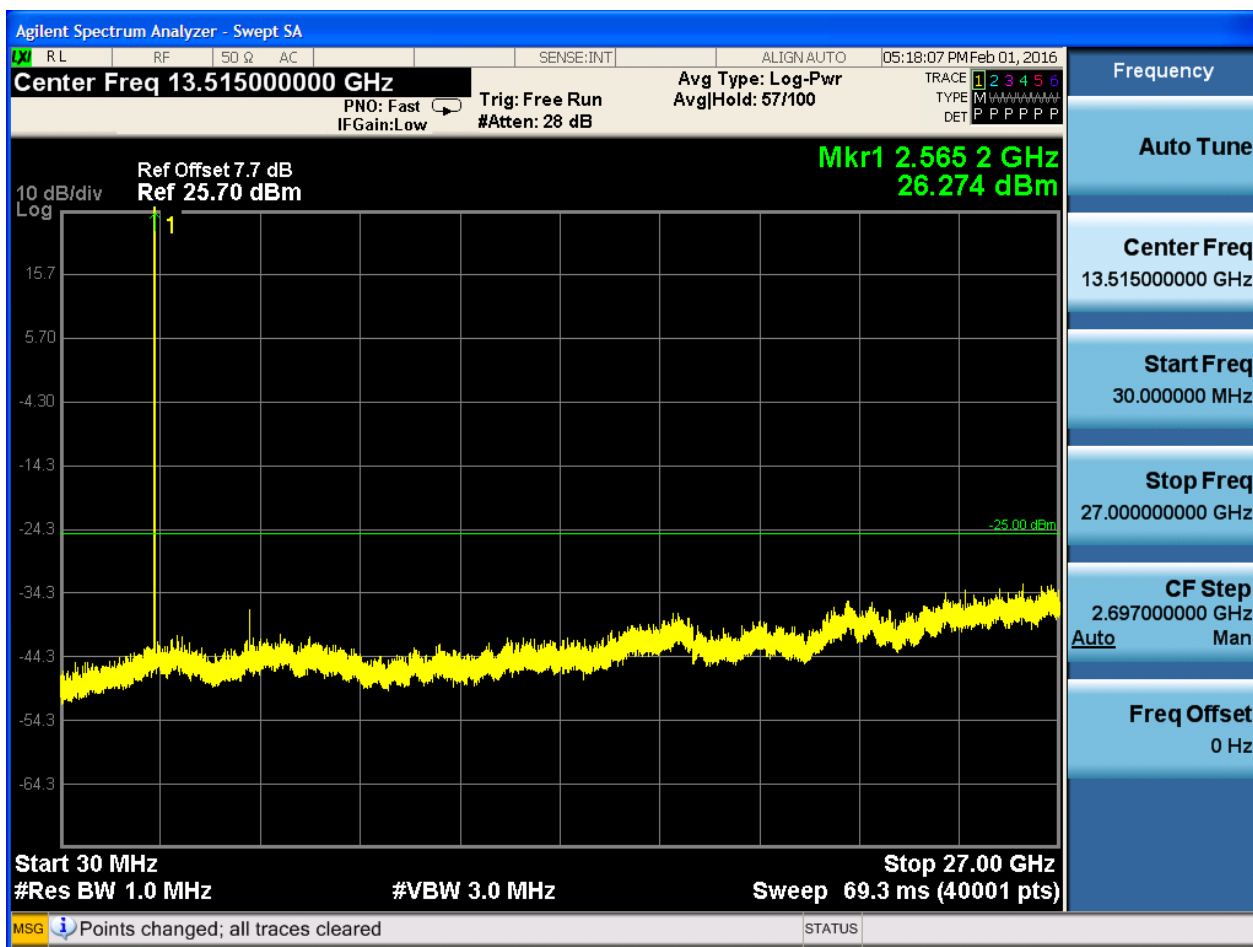


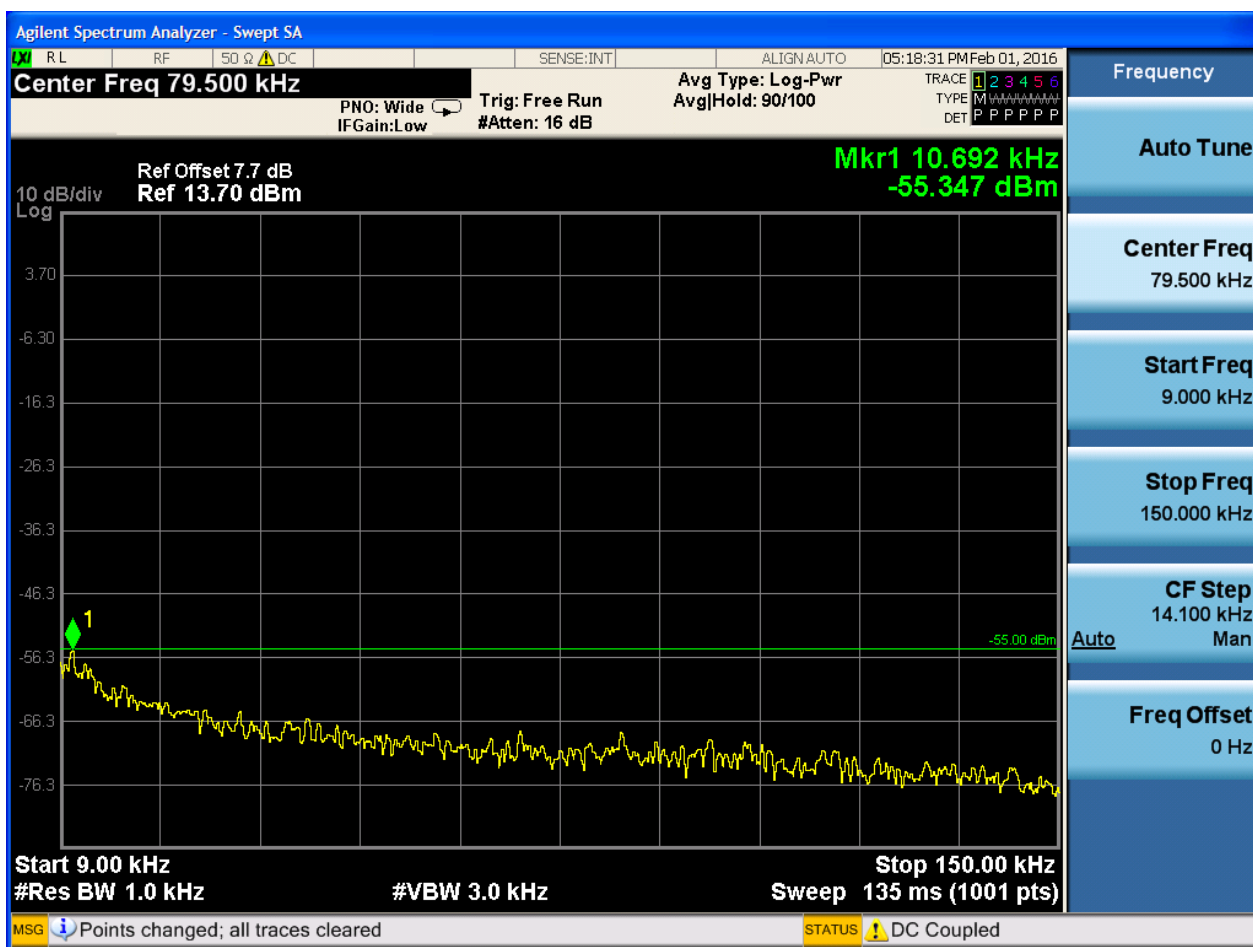




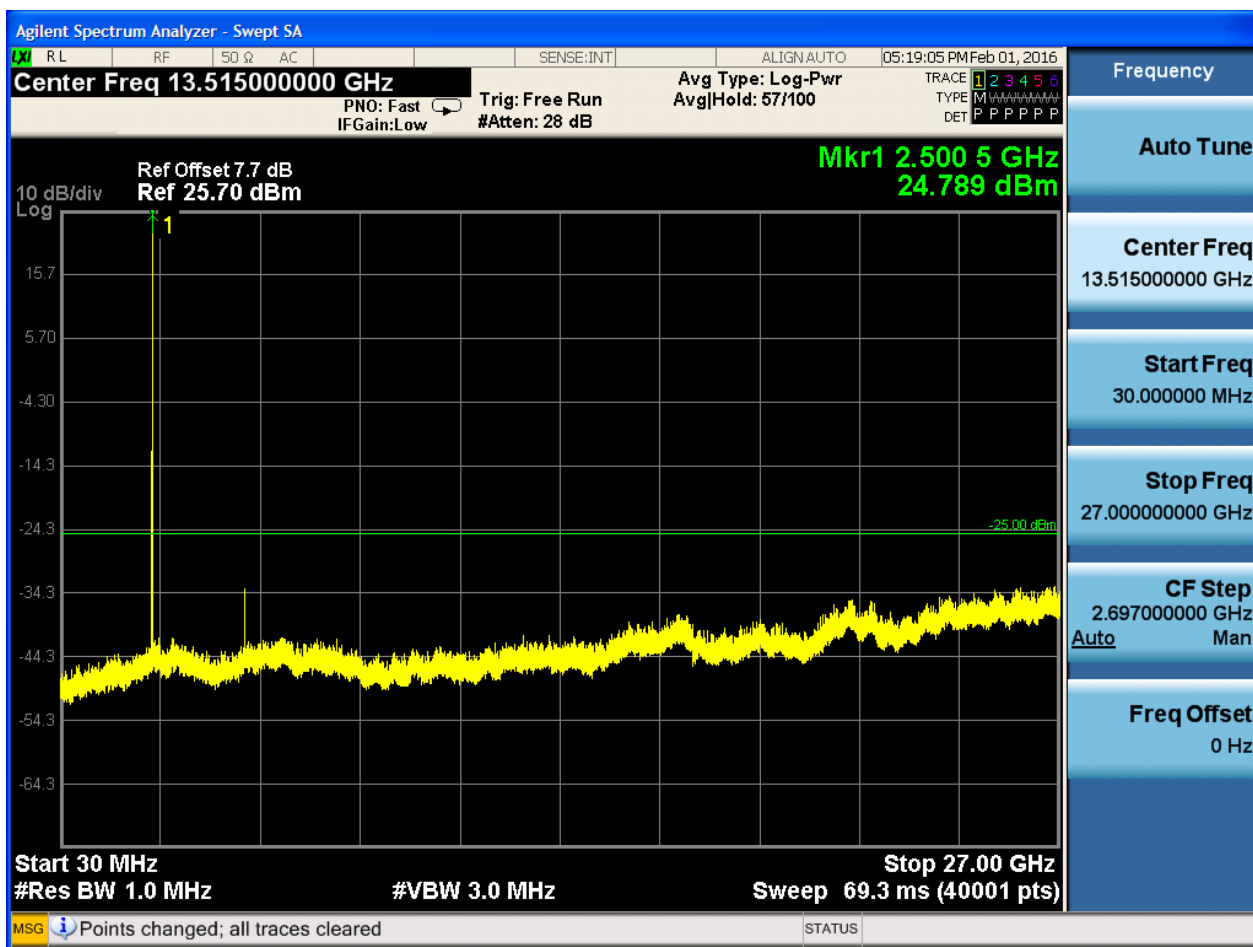
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



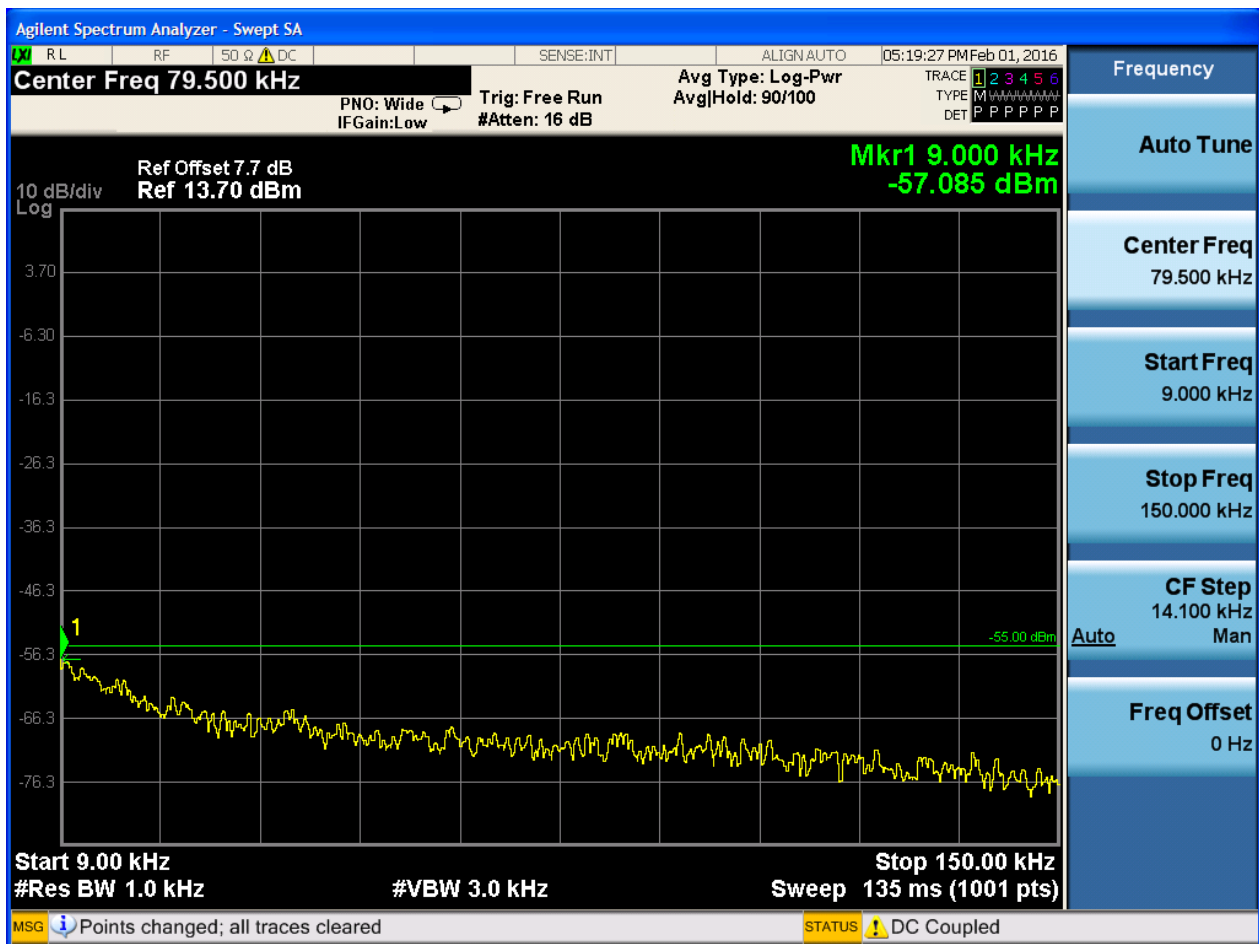


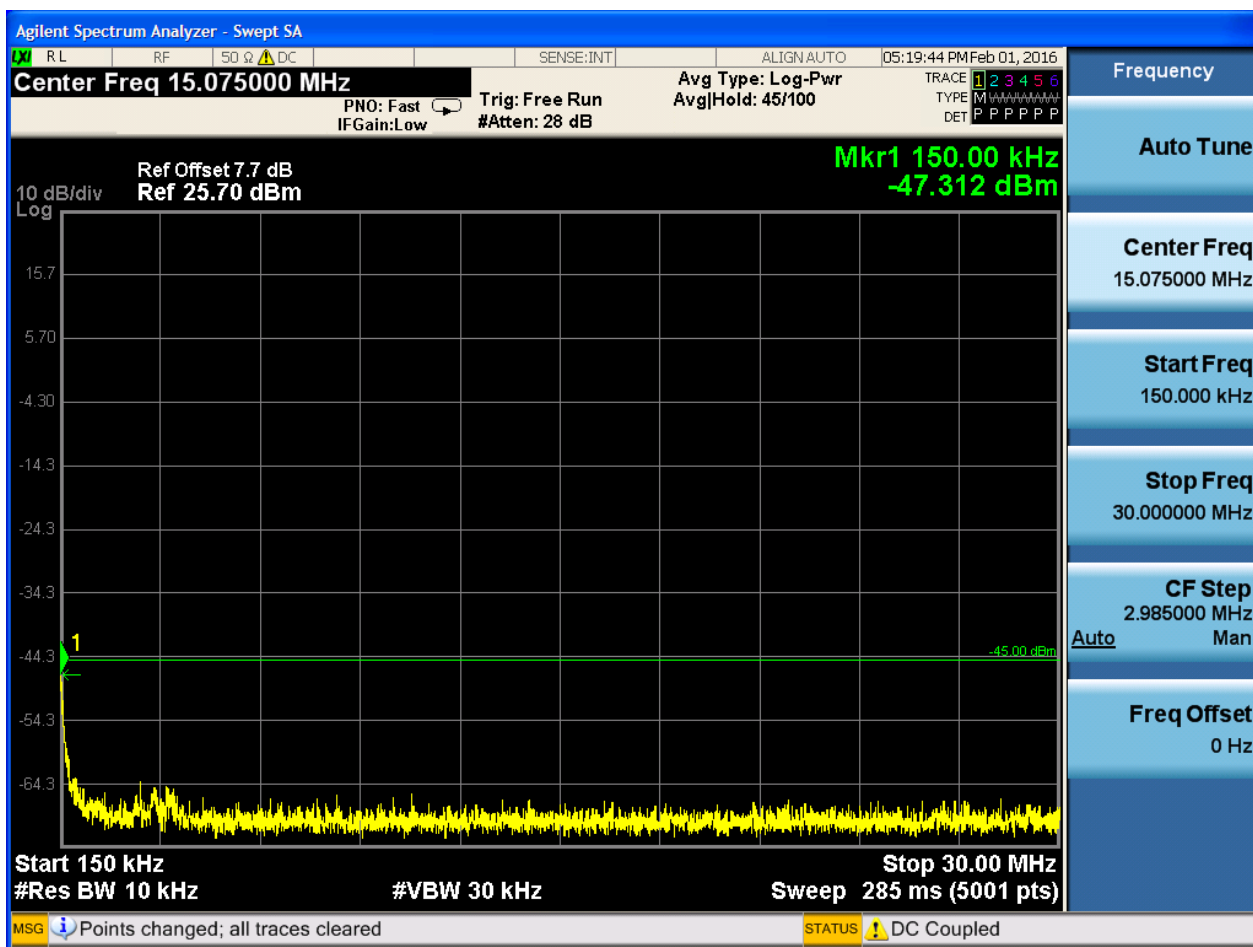


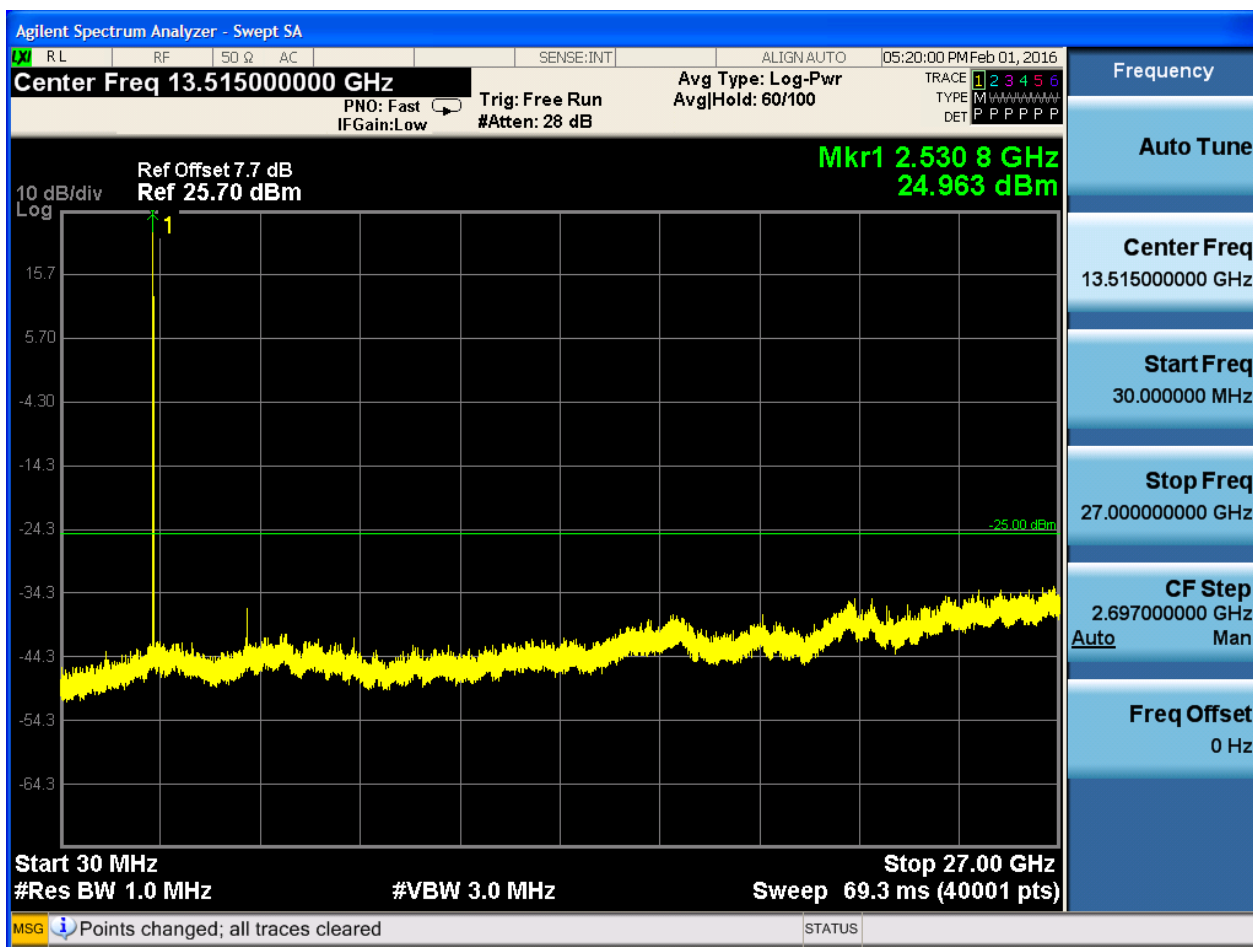


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



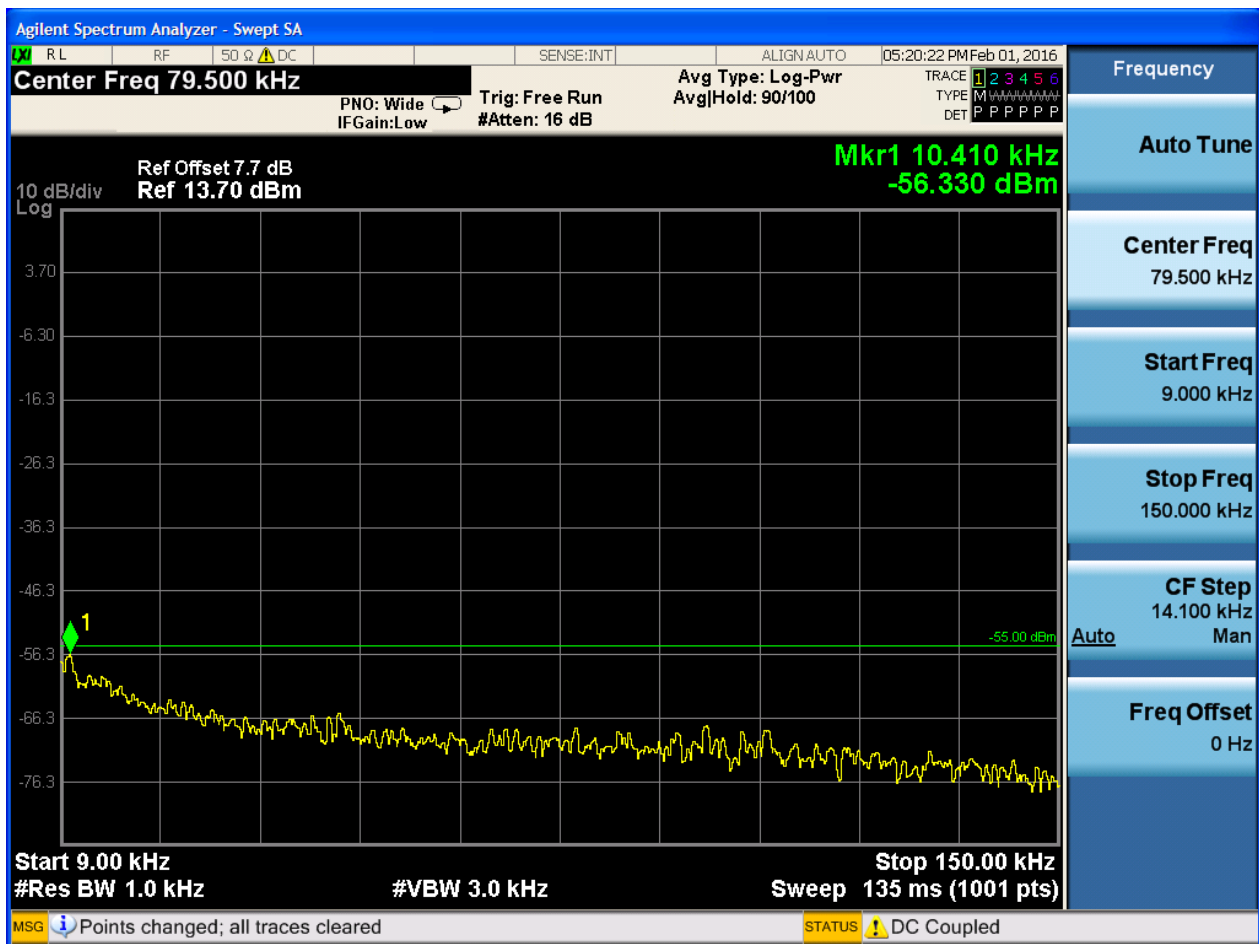




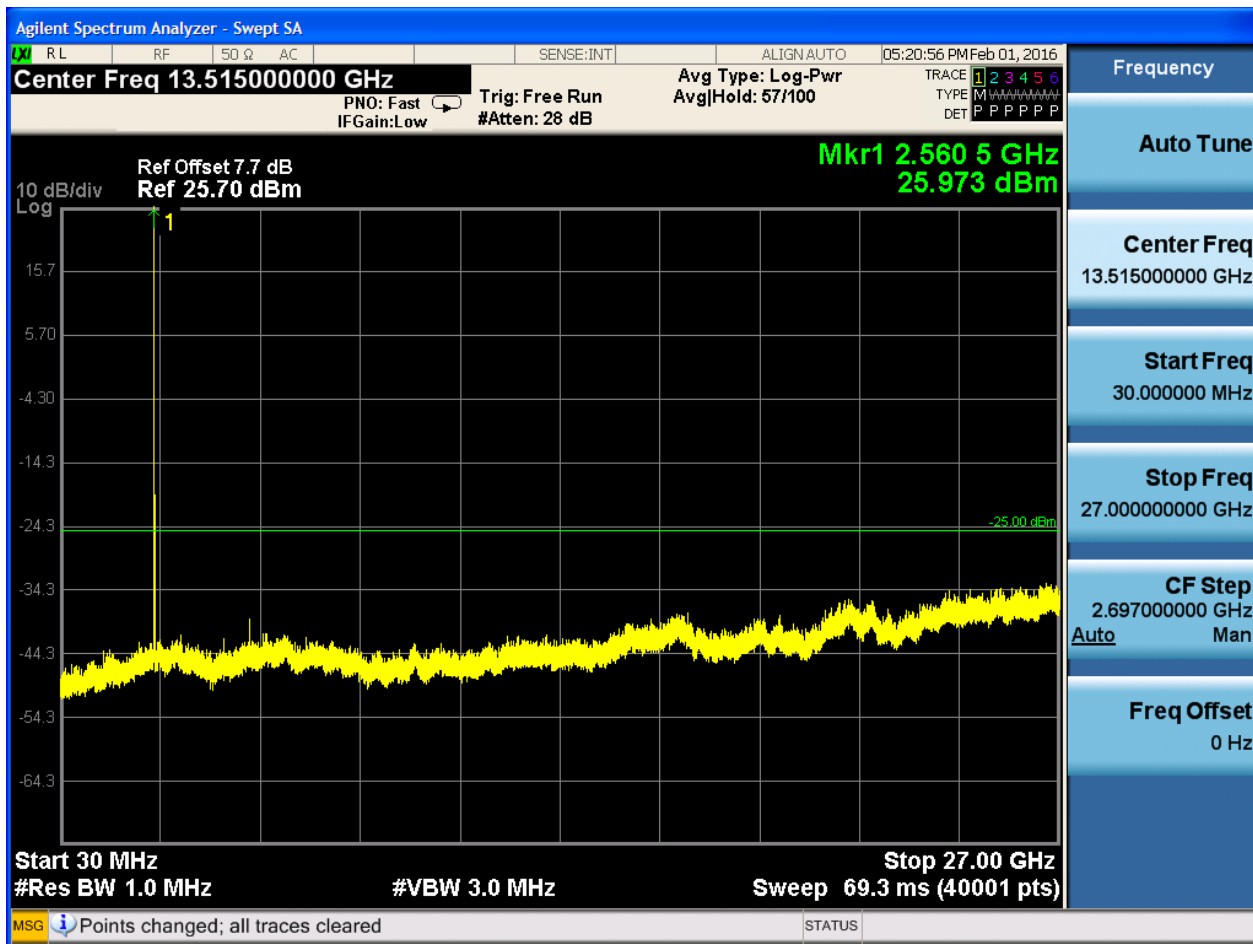


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



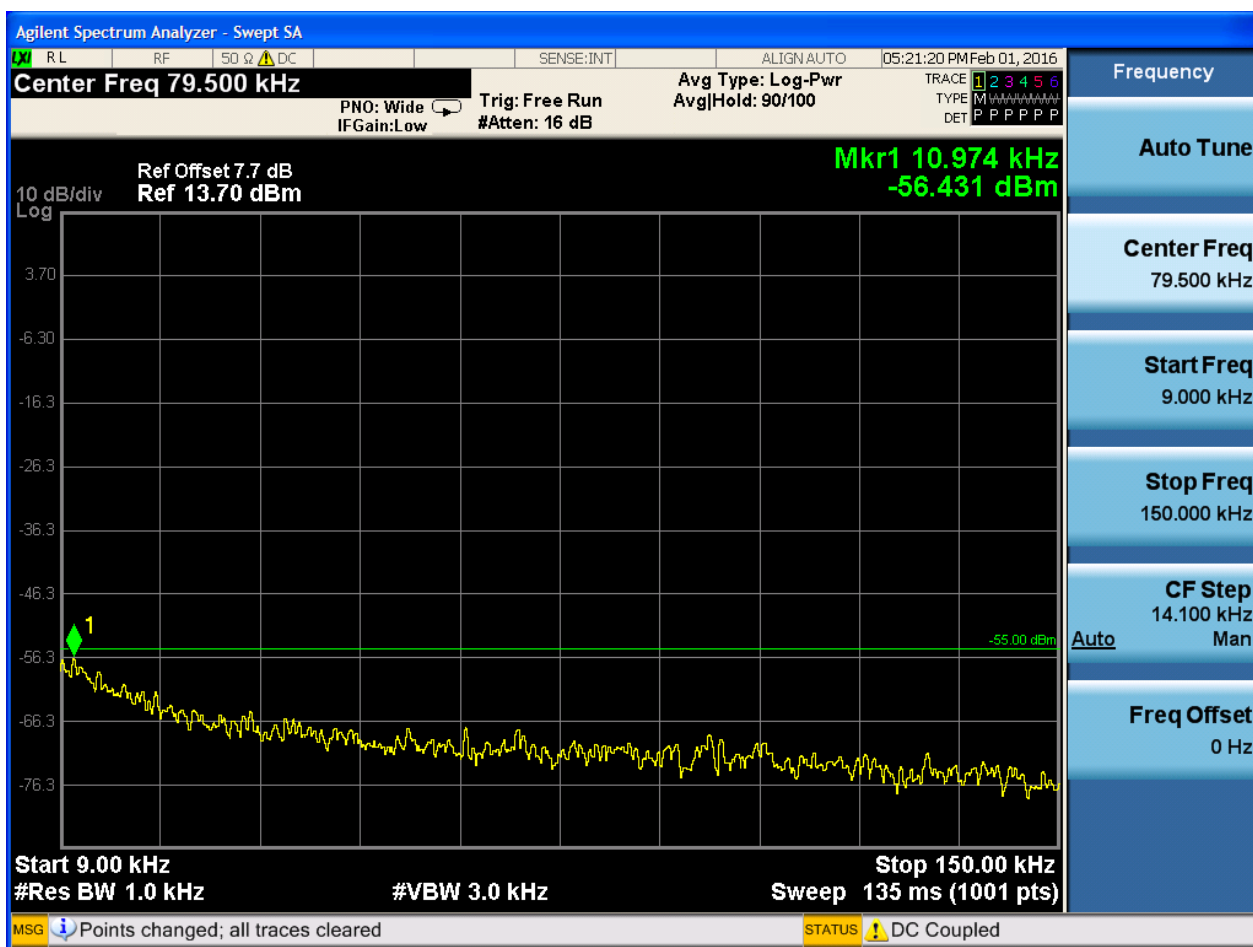


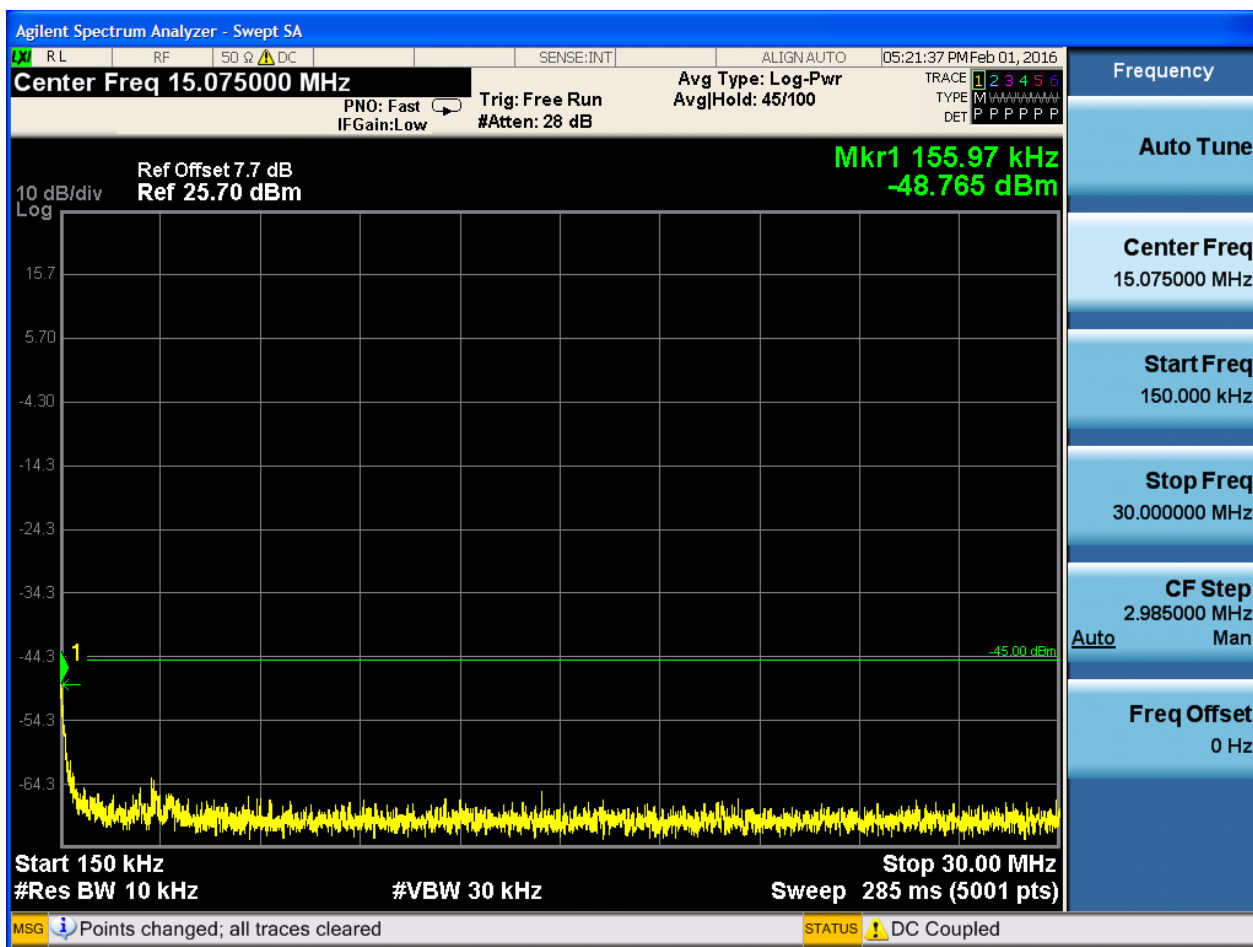


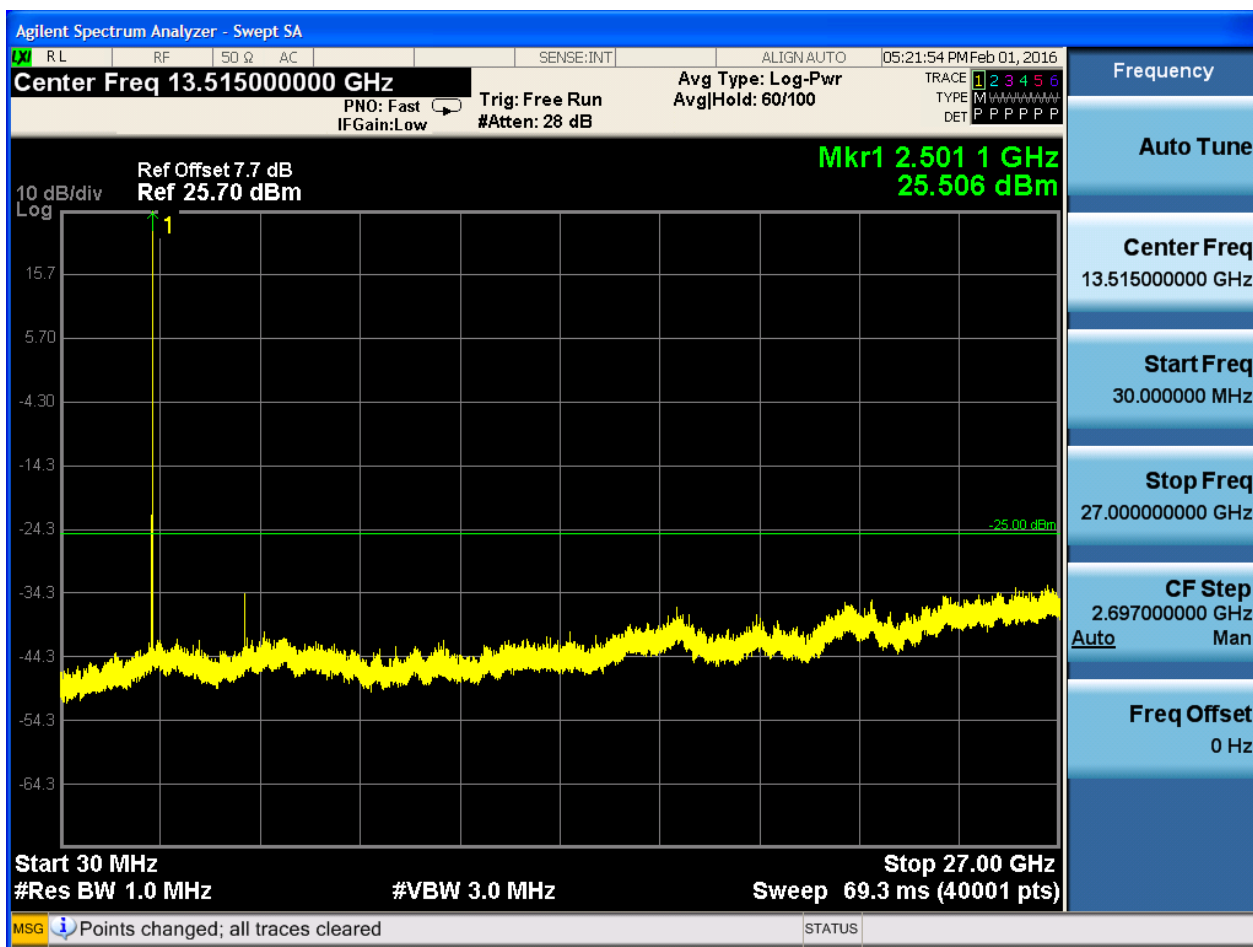
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



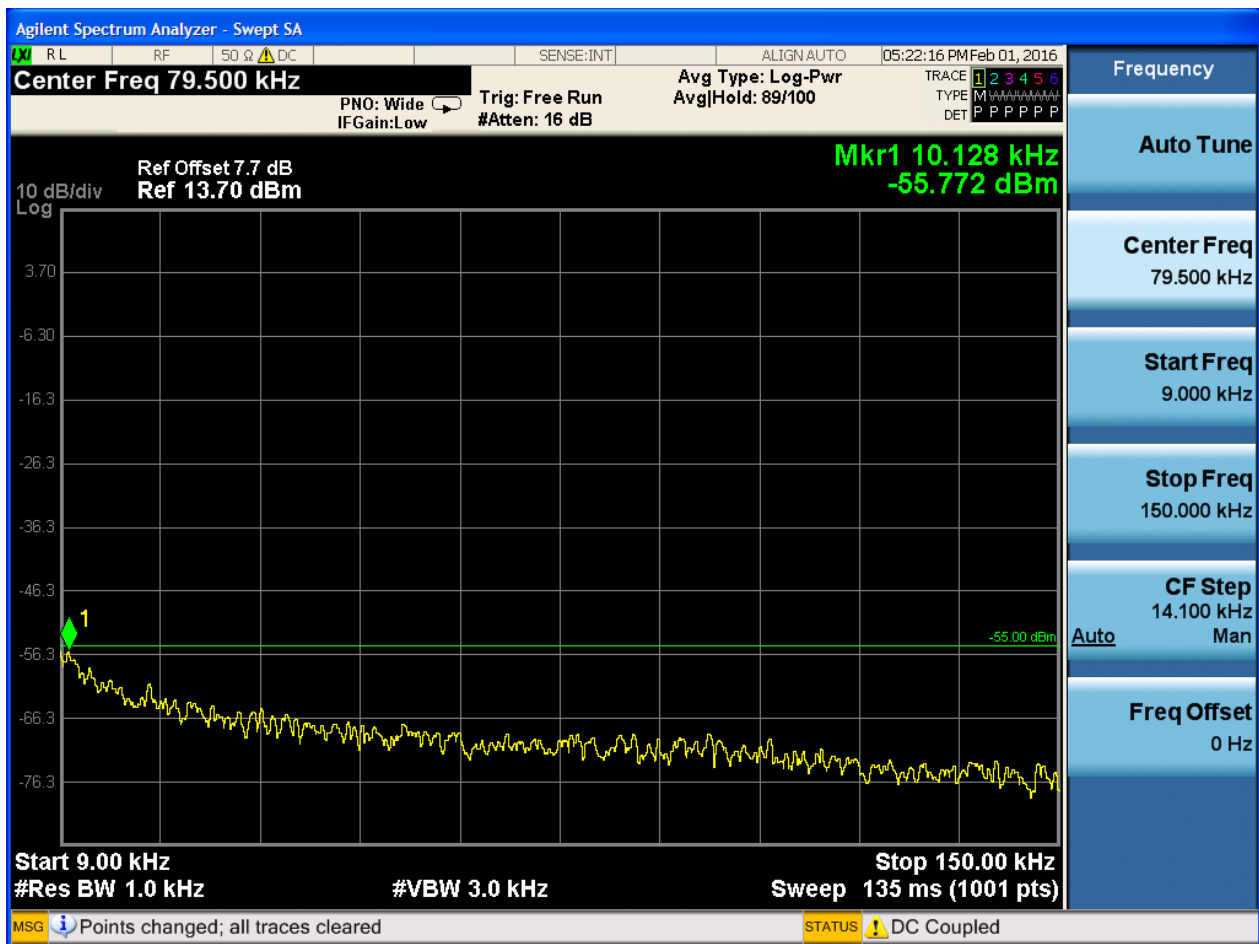


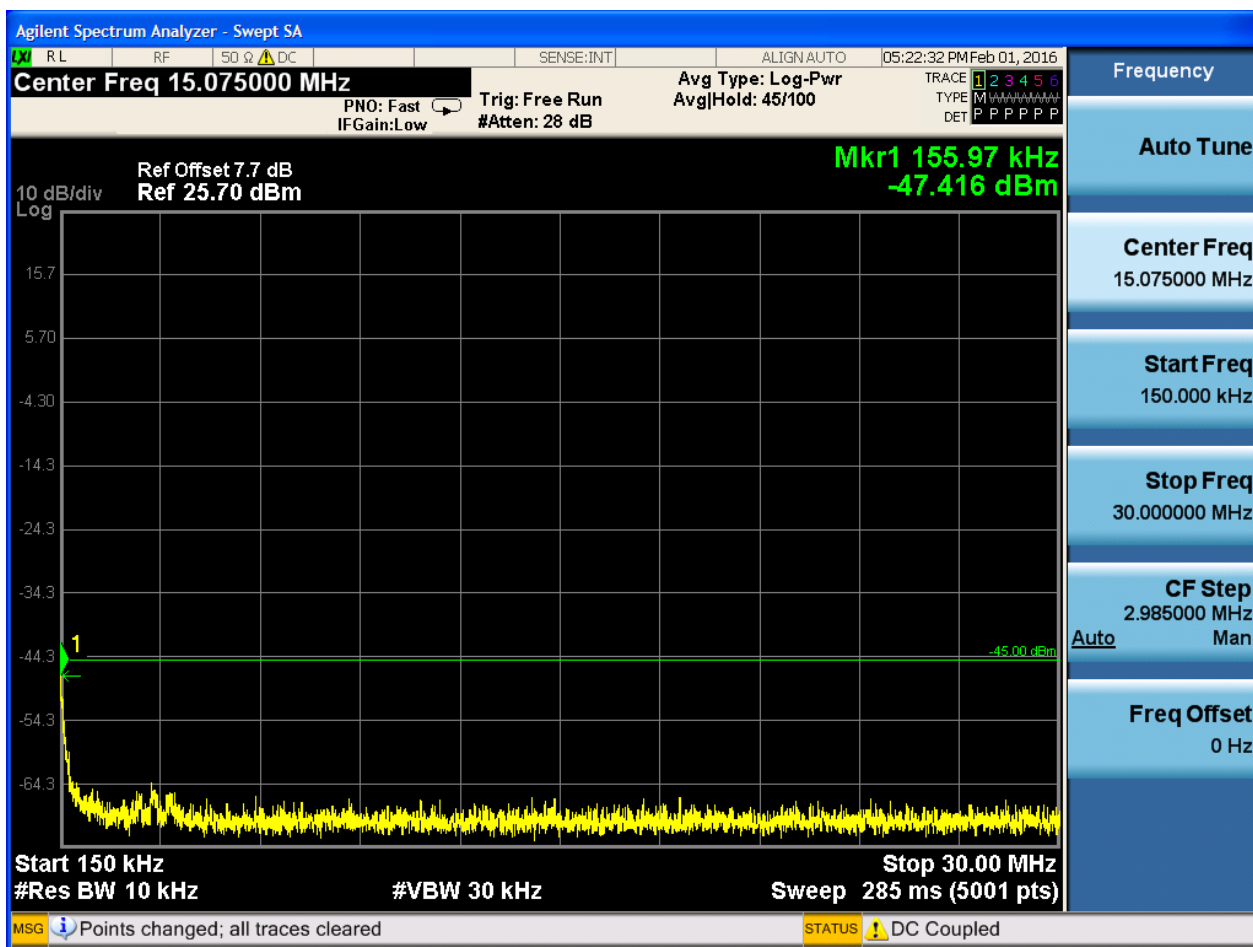


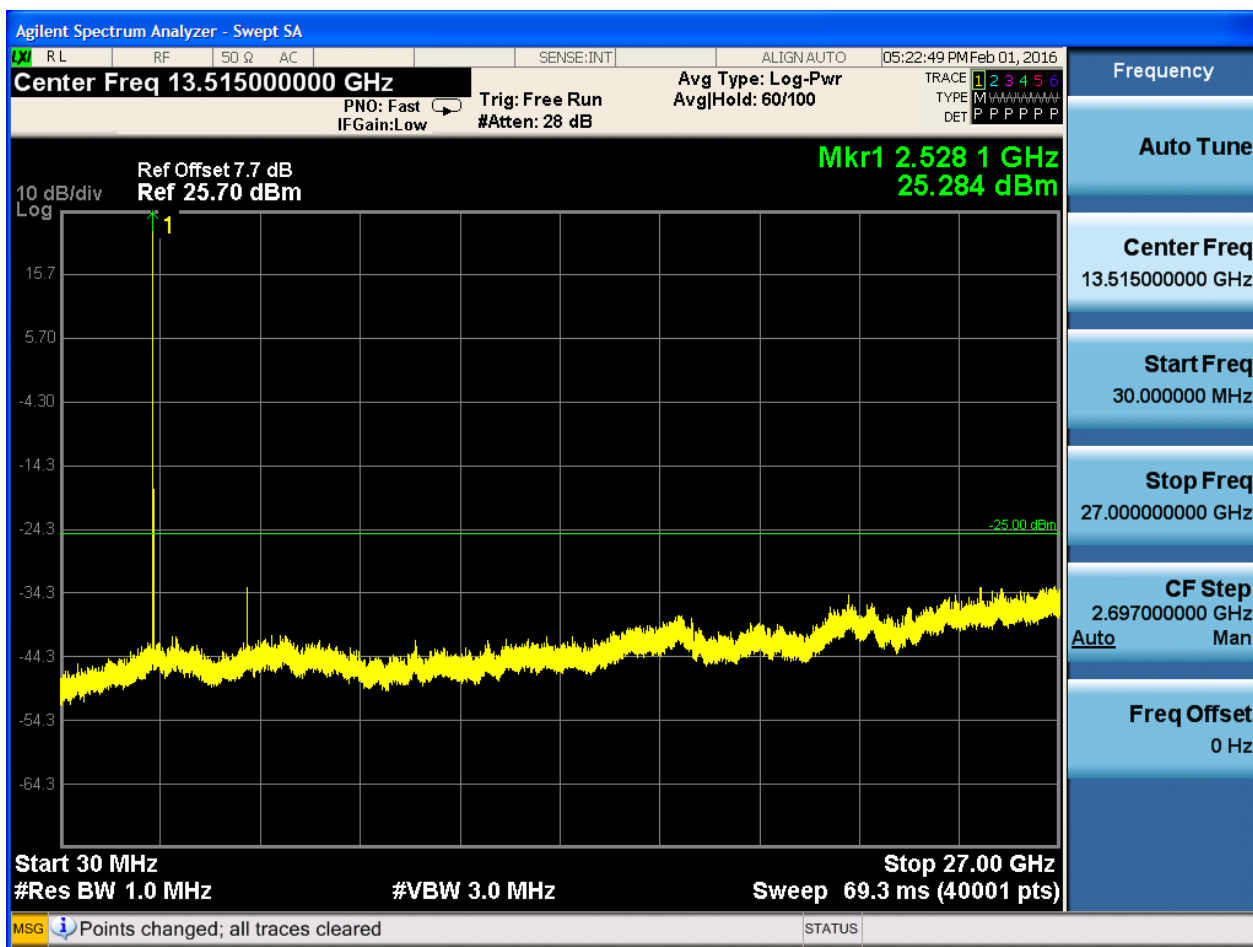


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



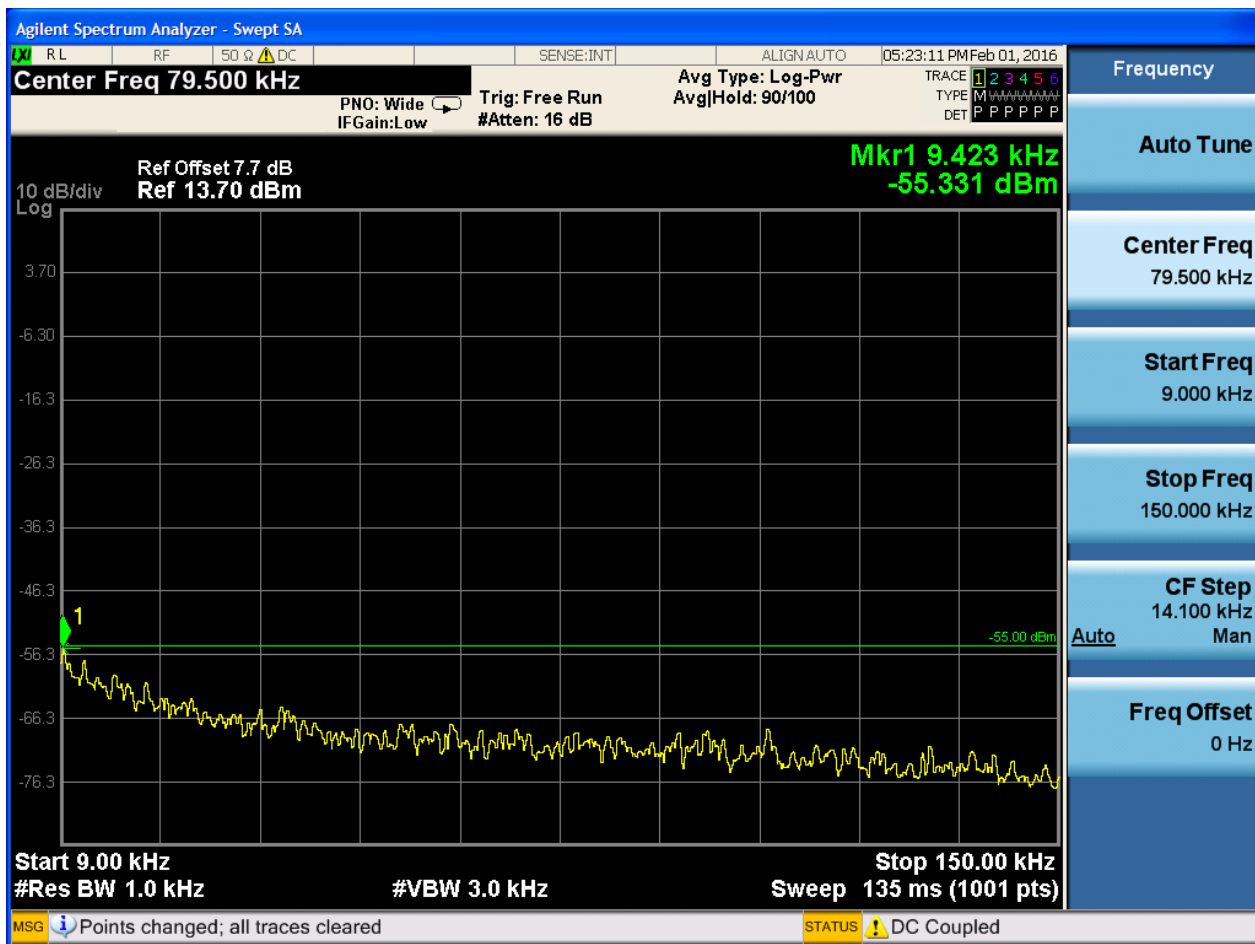


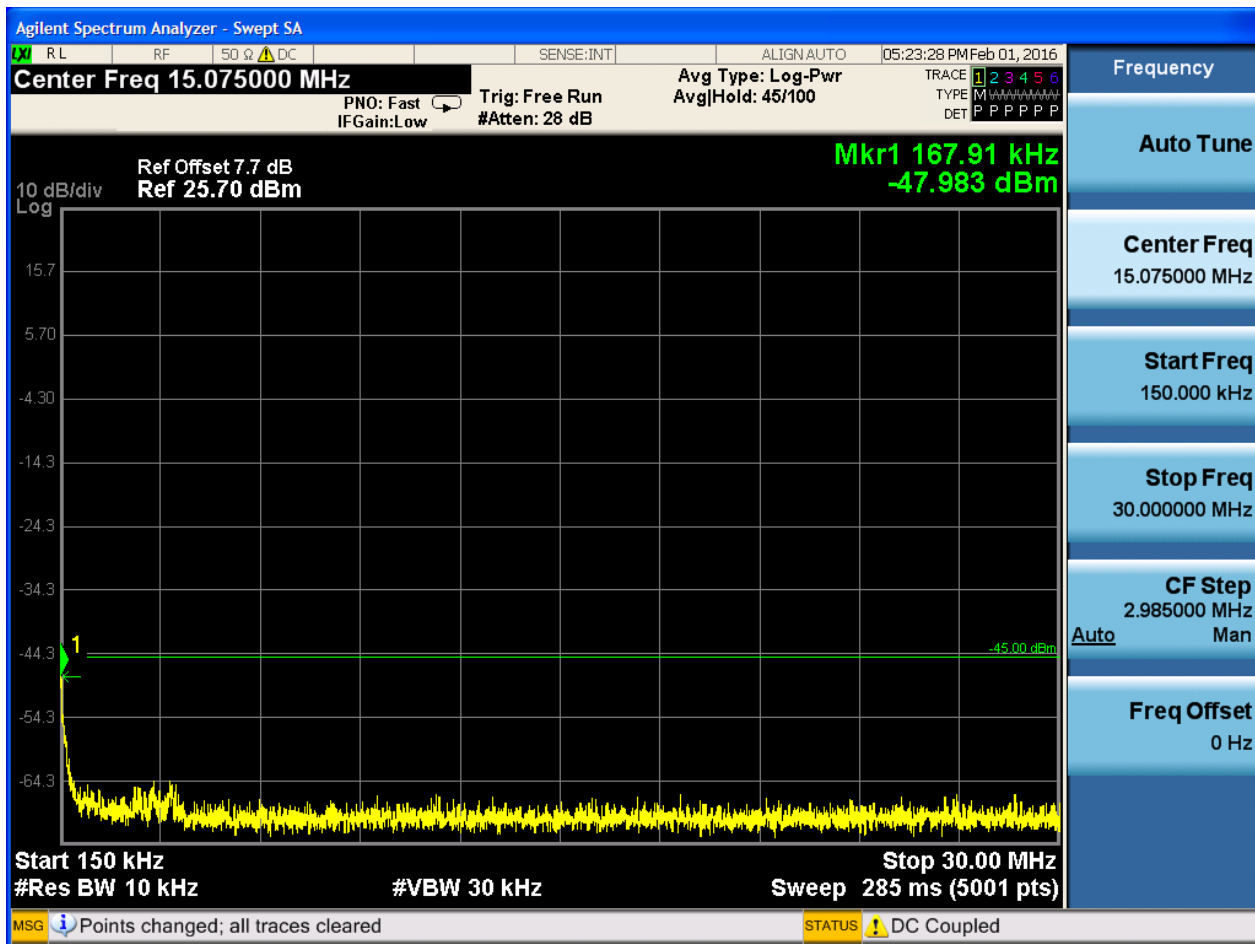


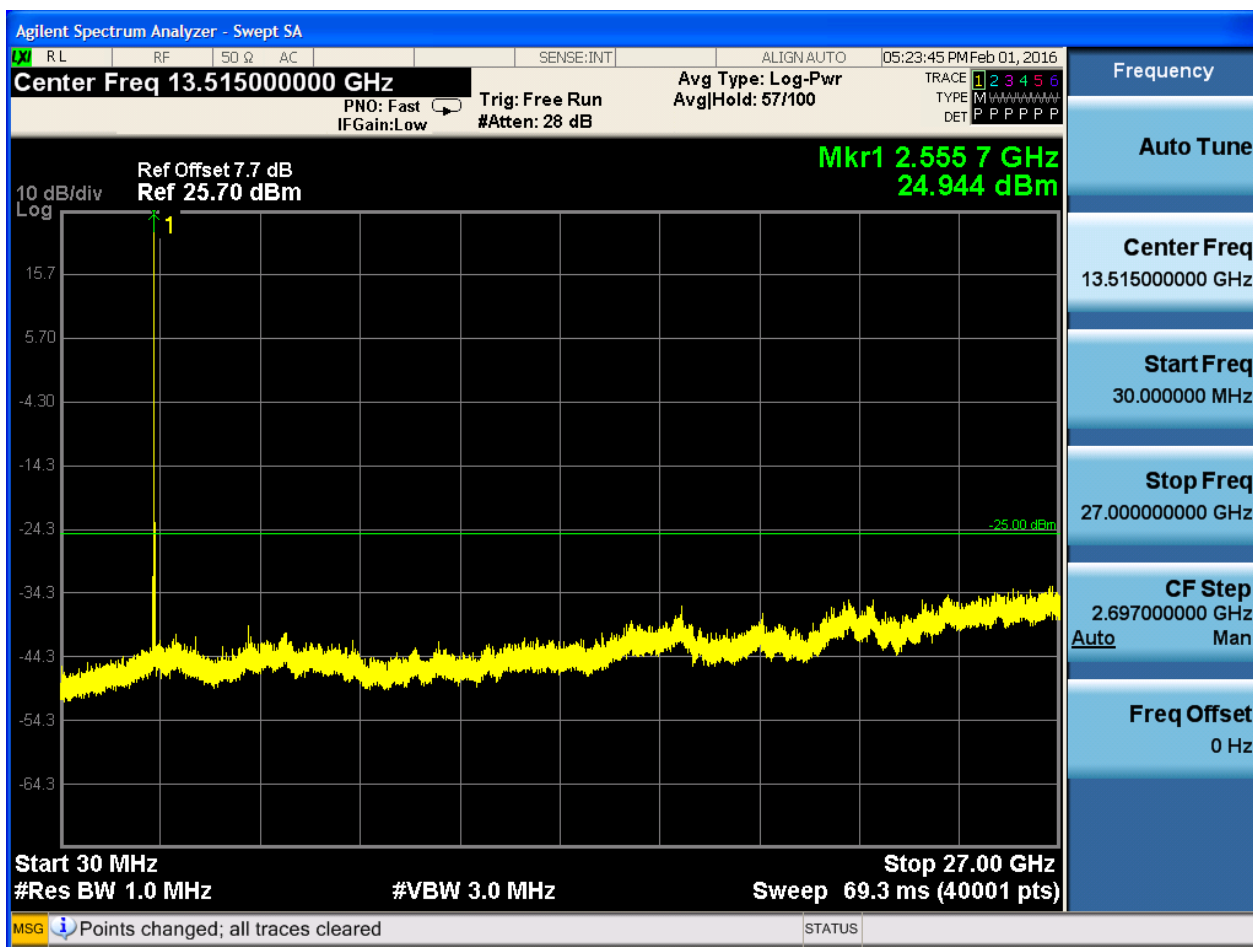


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



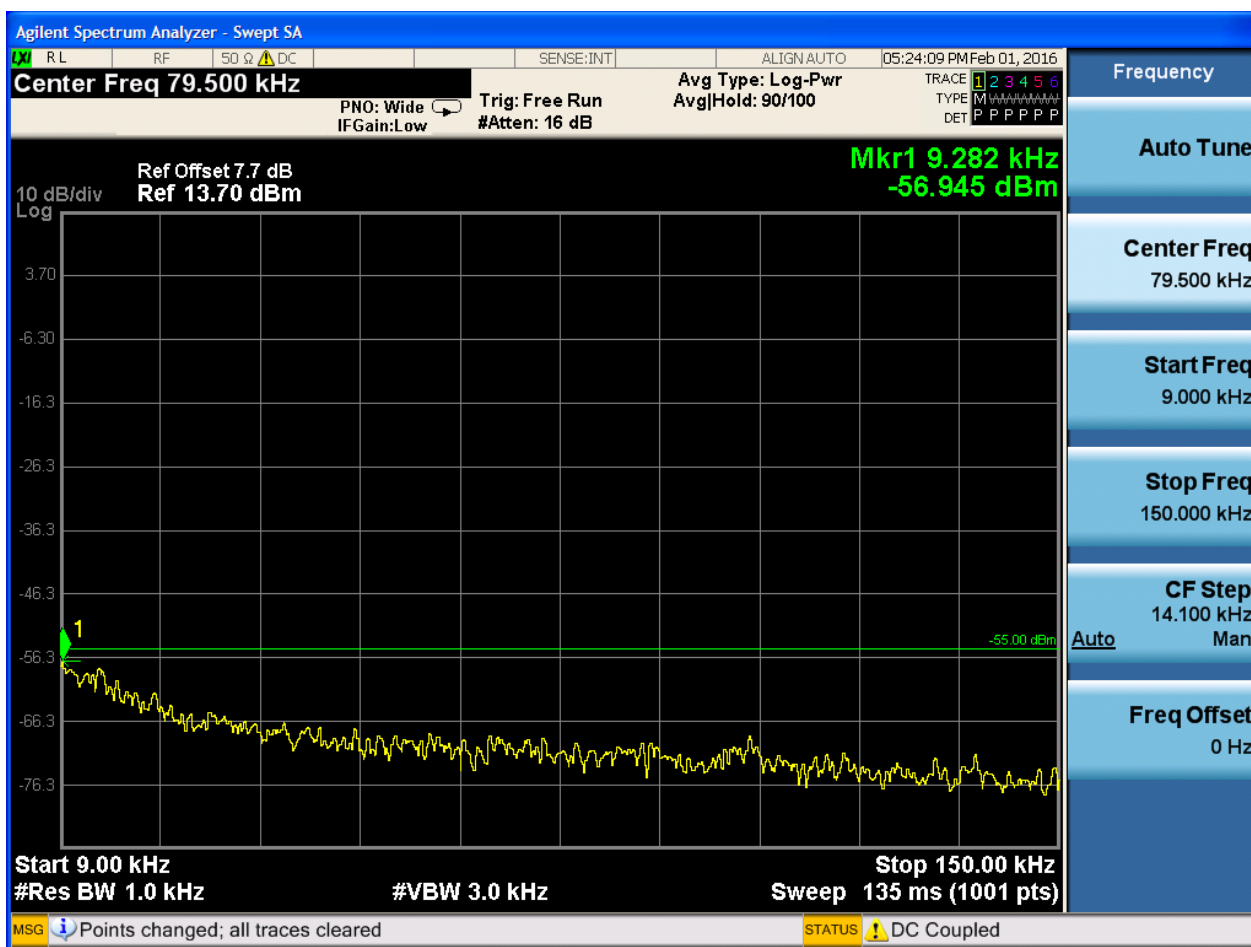


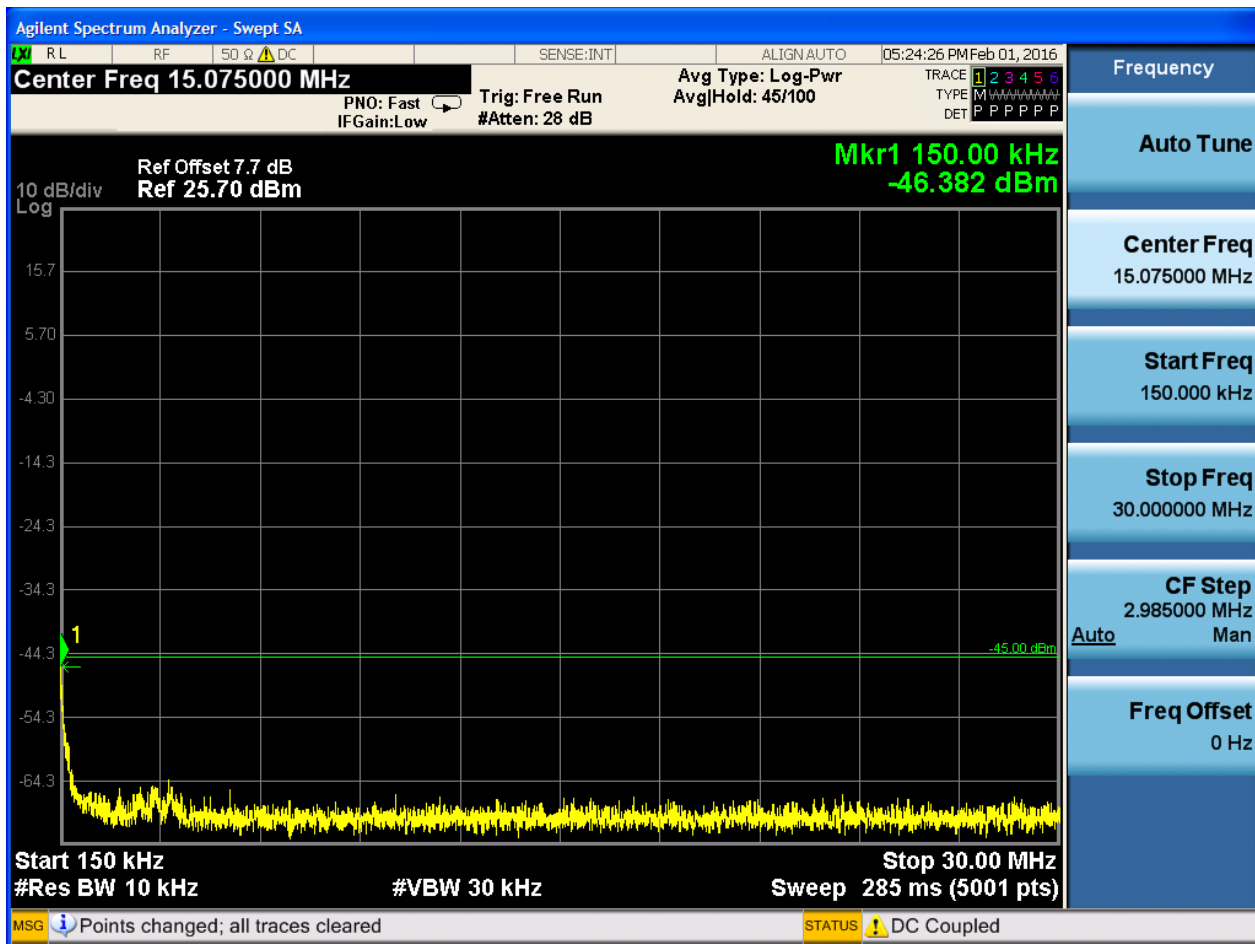


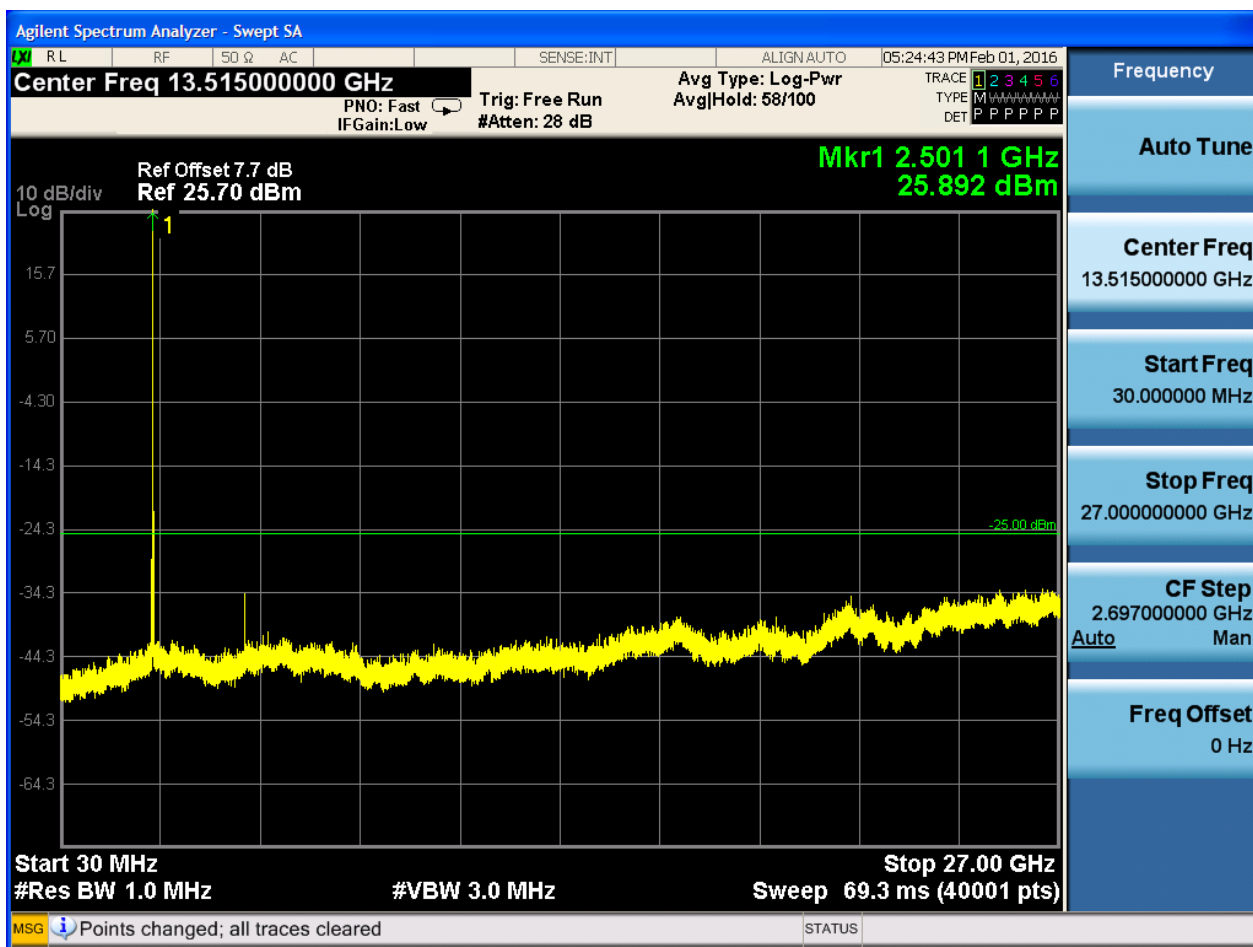
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



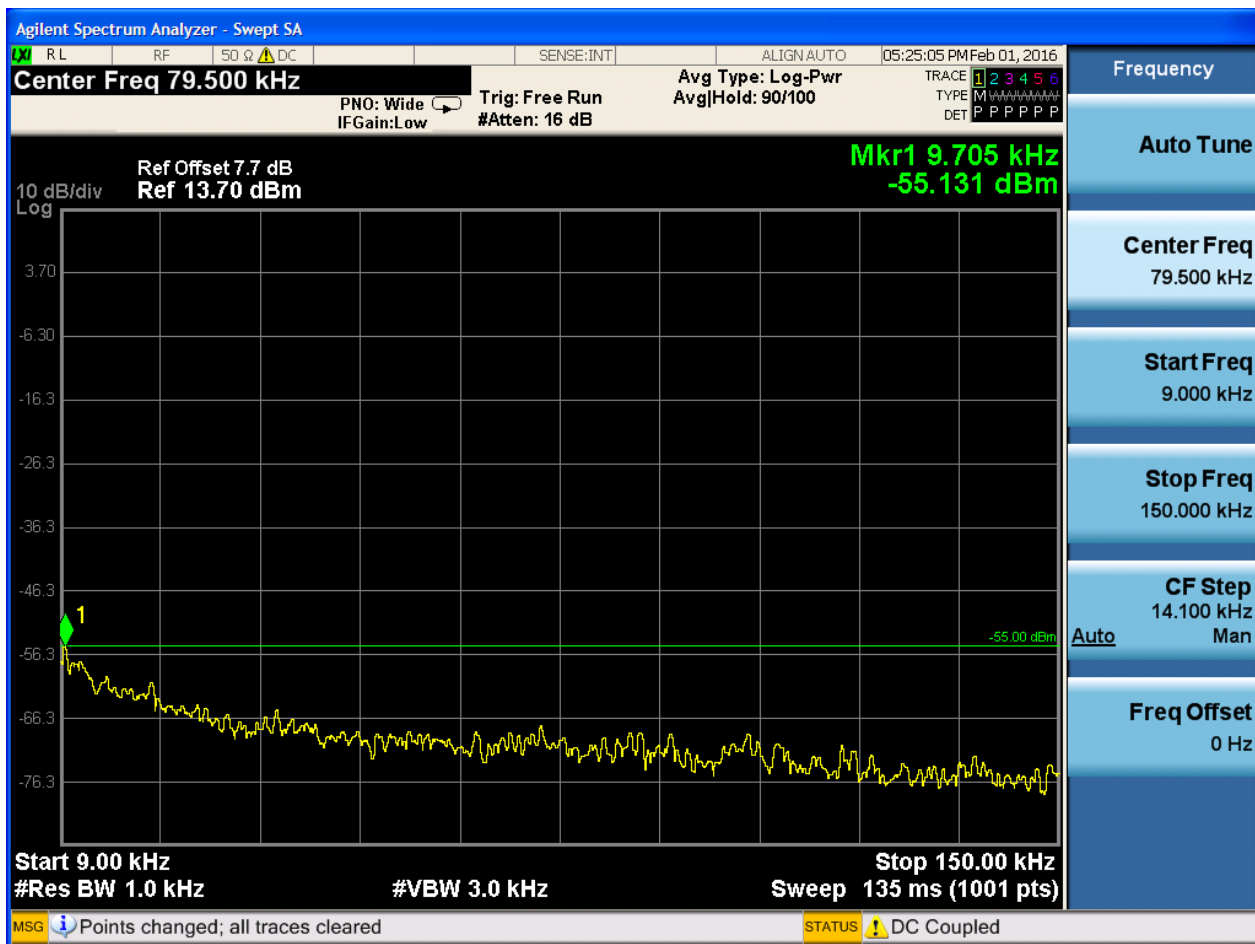




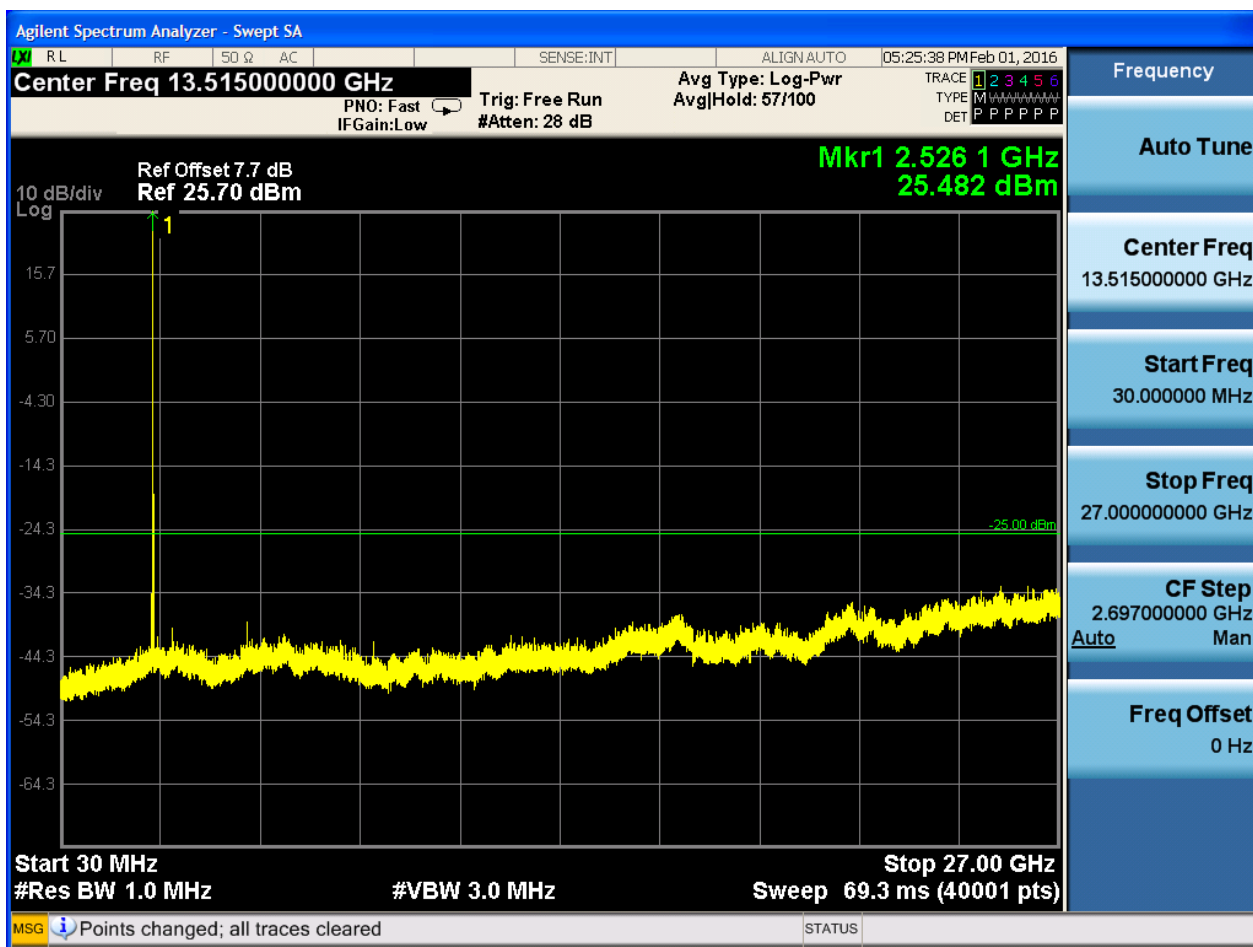


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



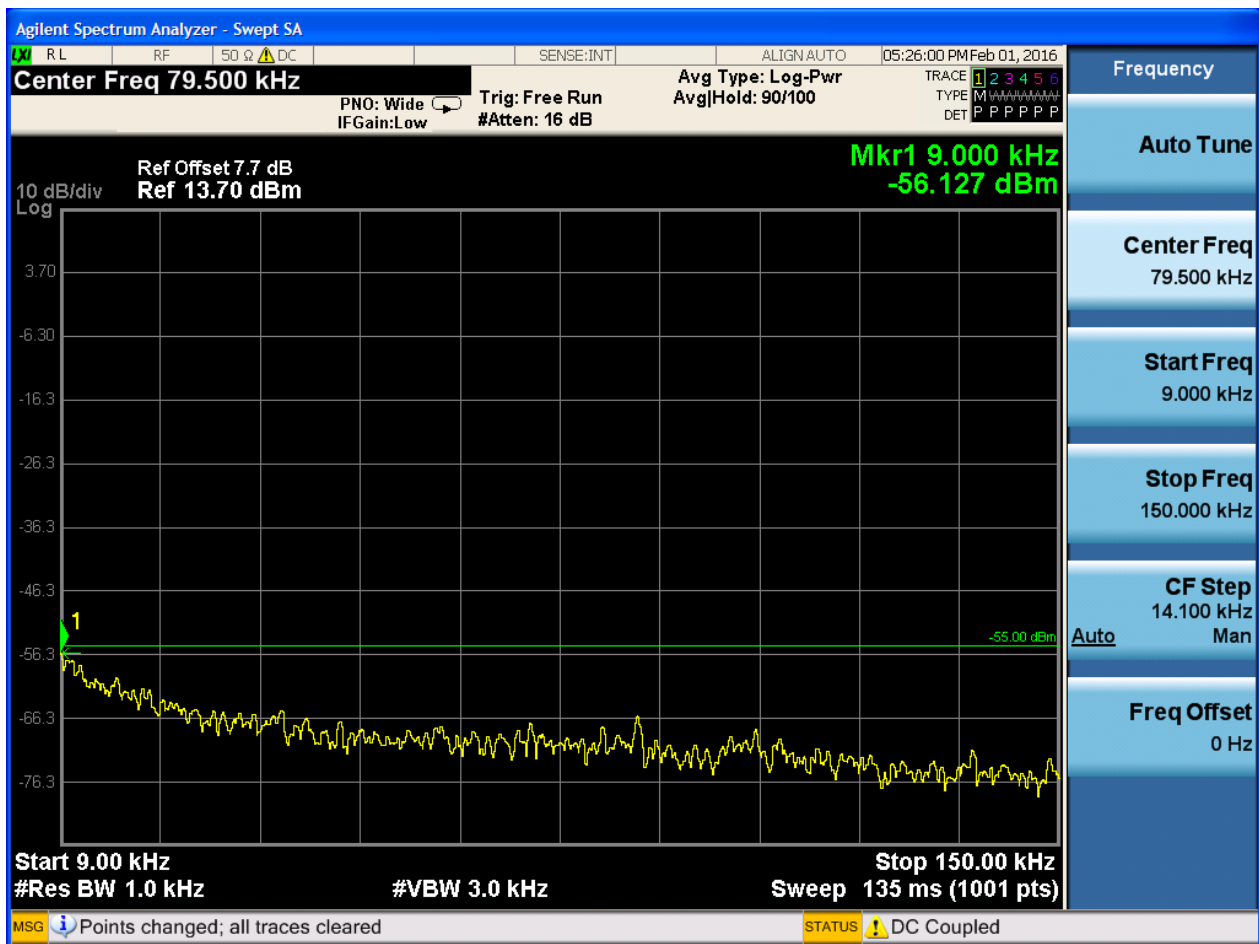


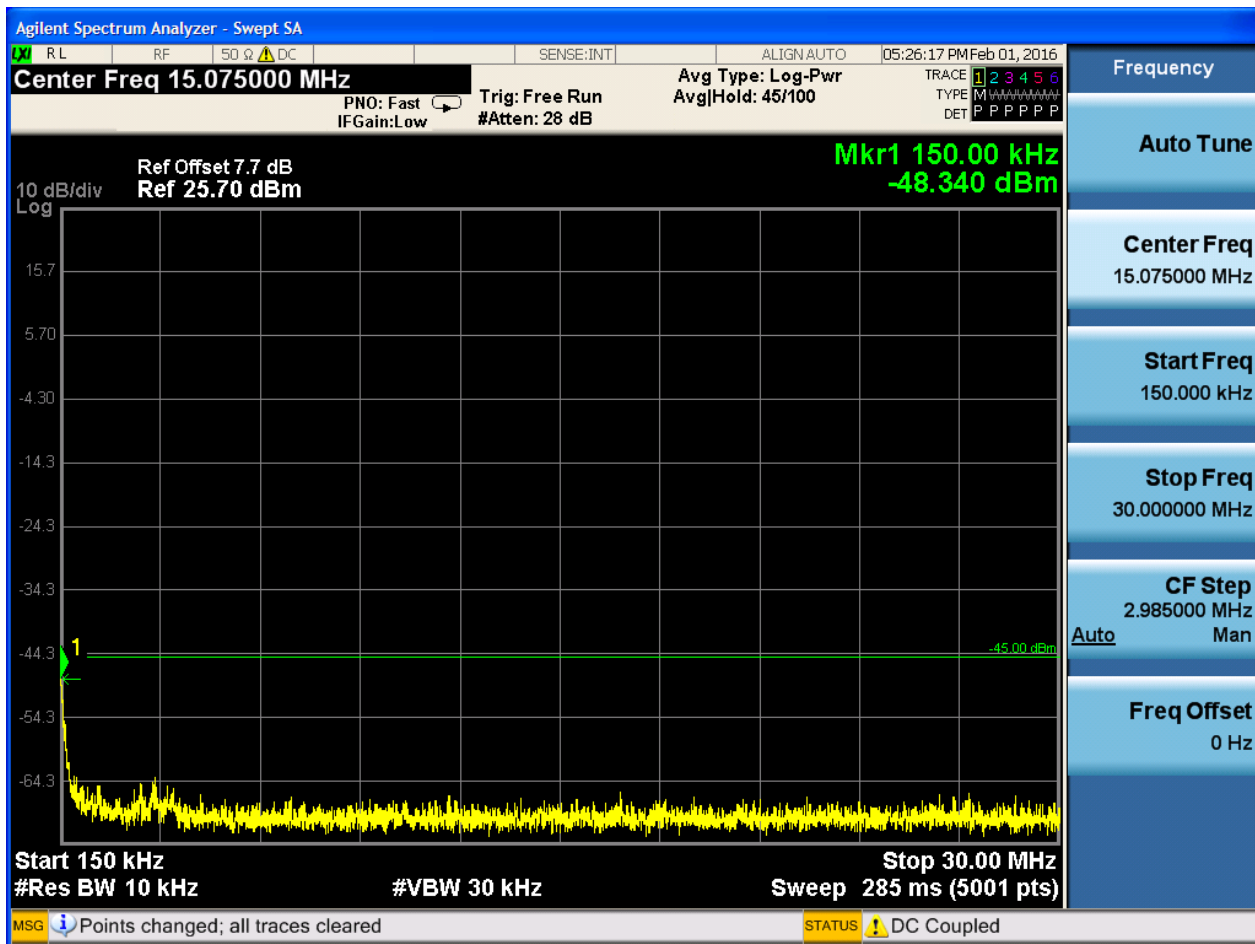


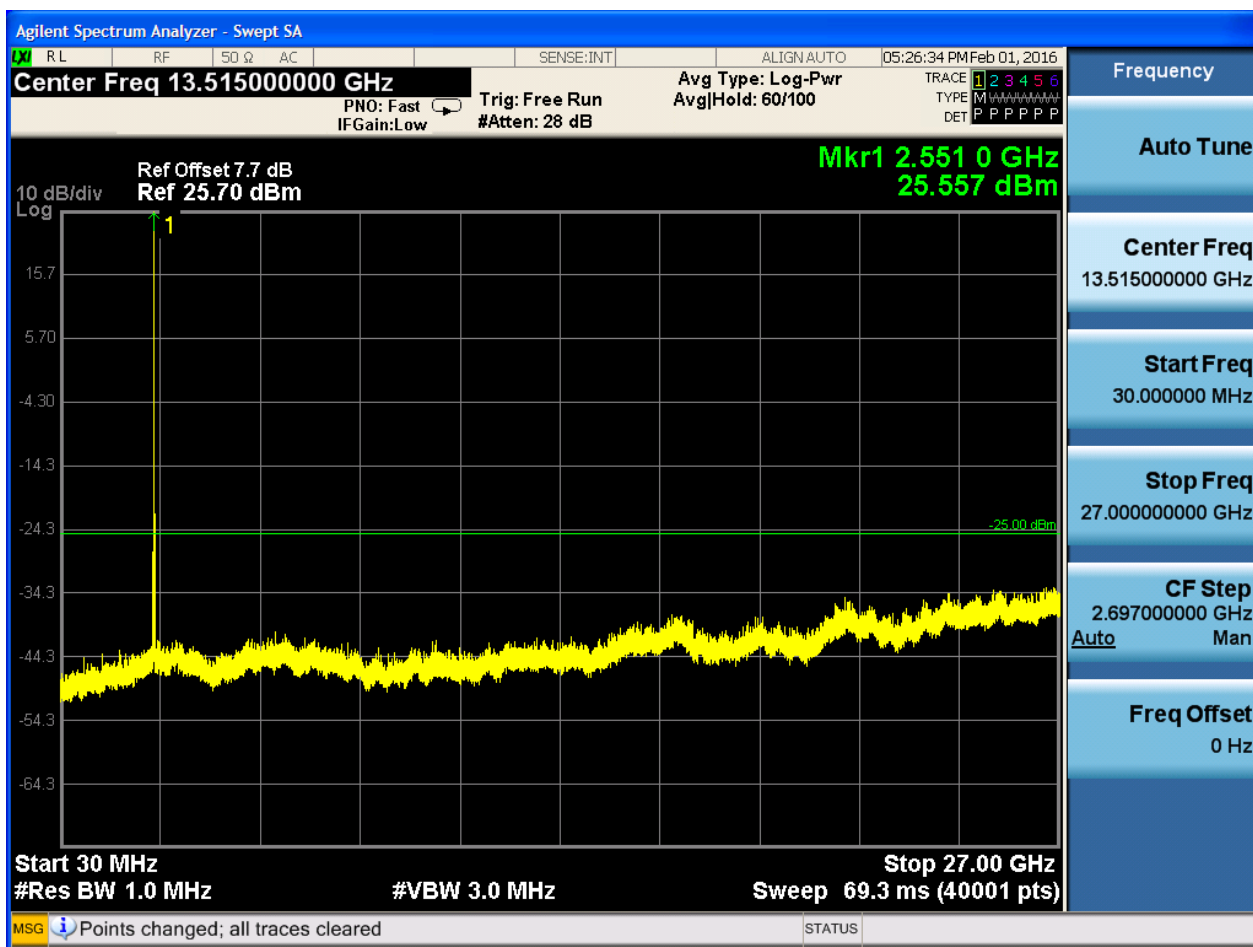


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







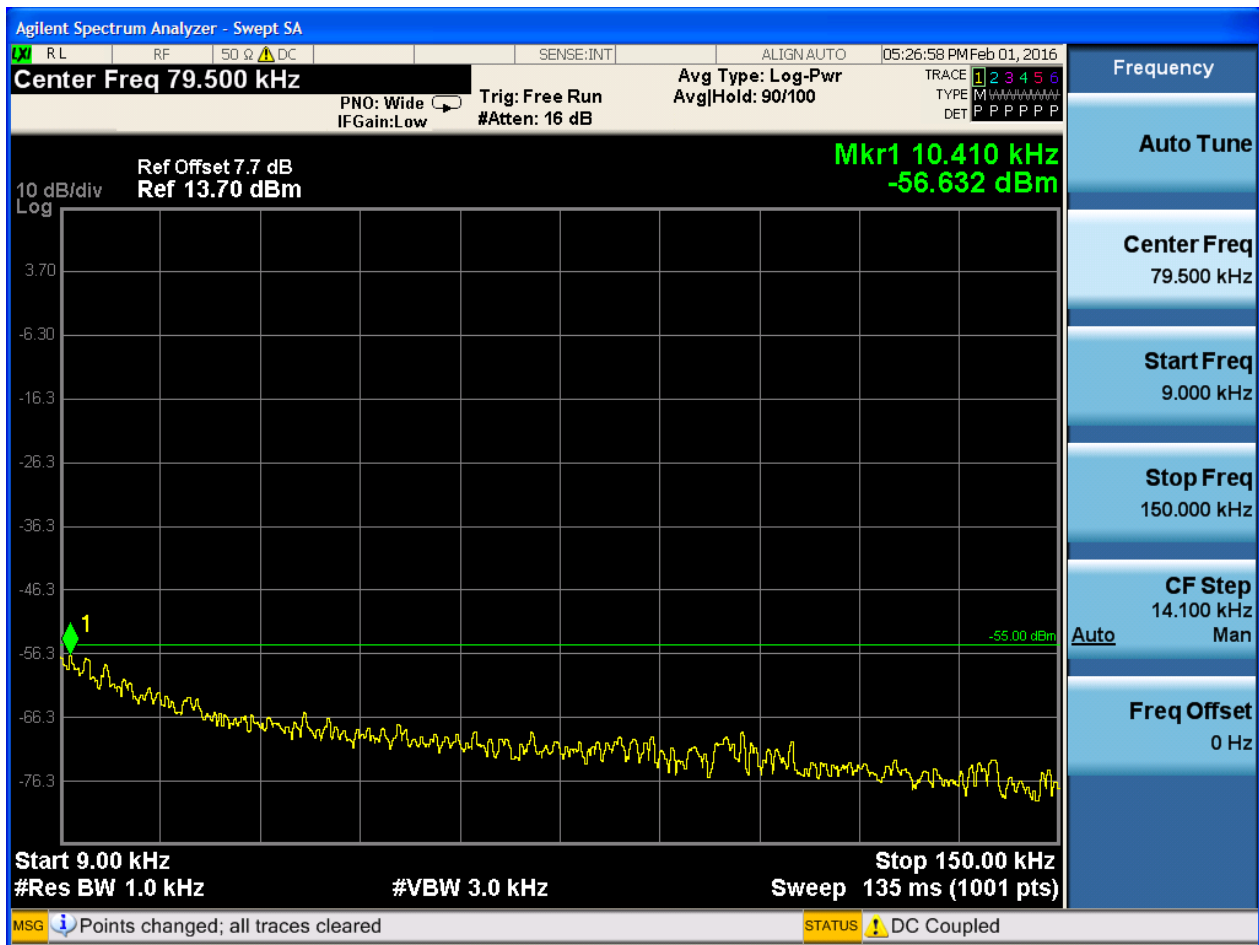


6.1.1.2 Test Mode = LTE/TM2

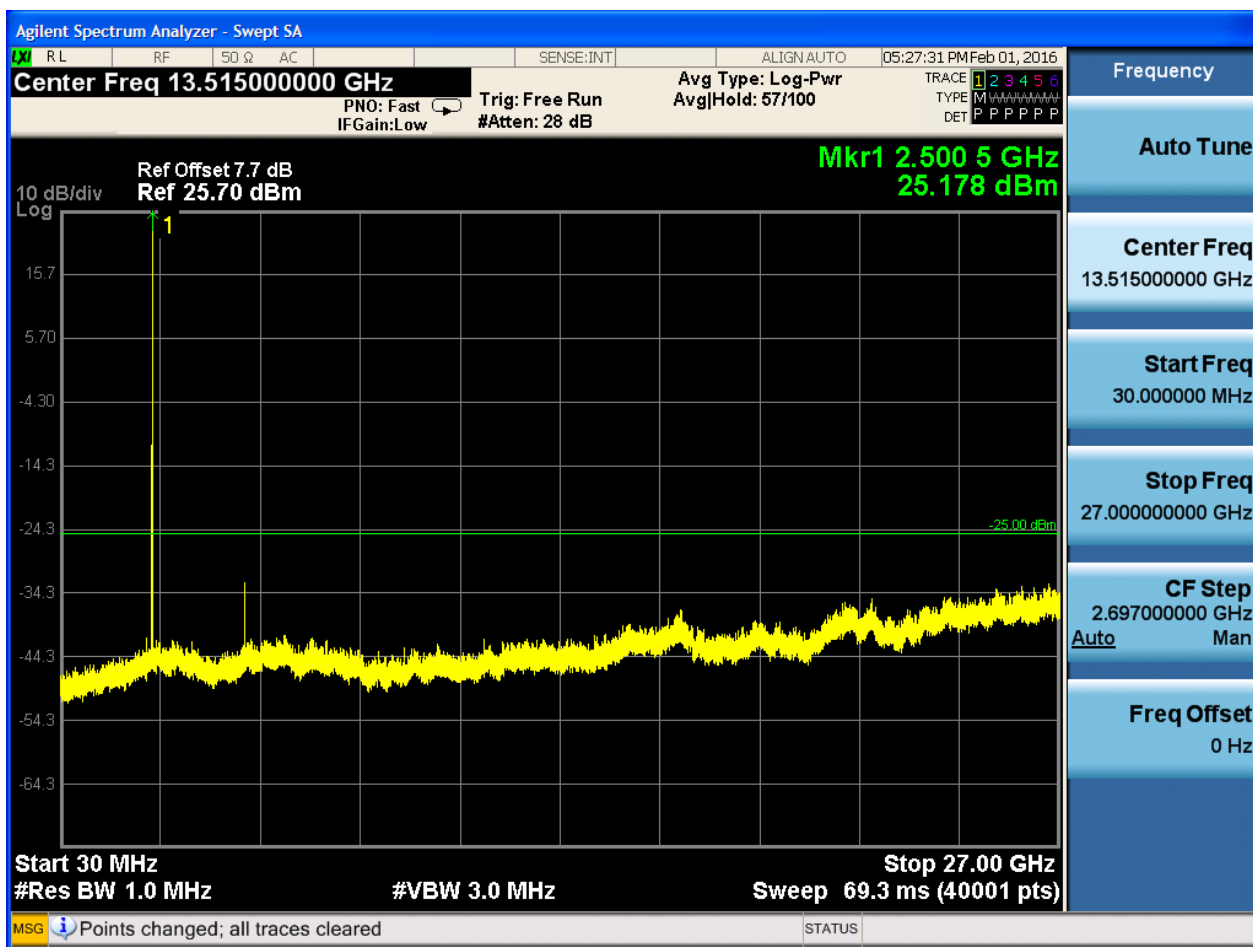
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





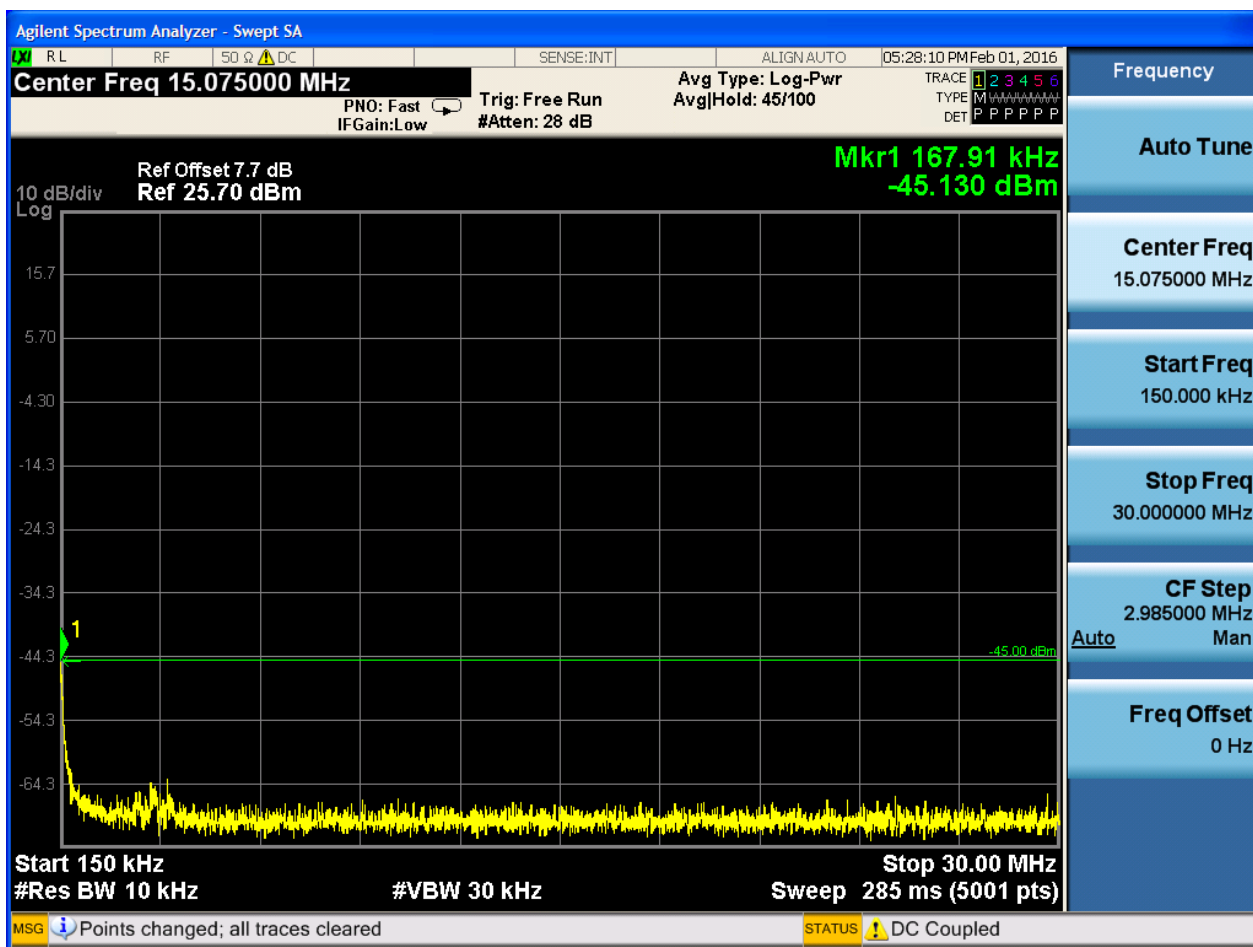


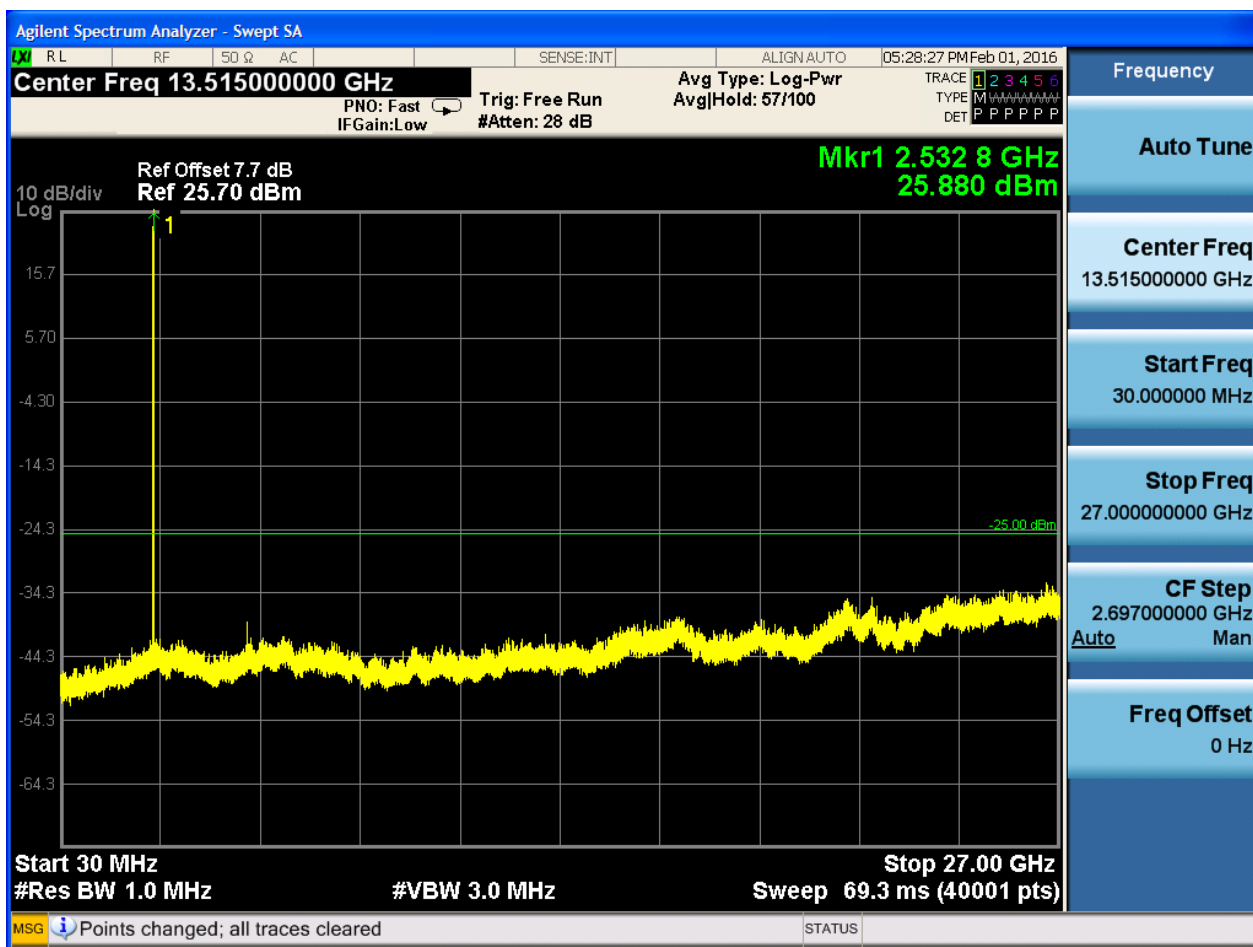


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



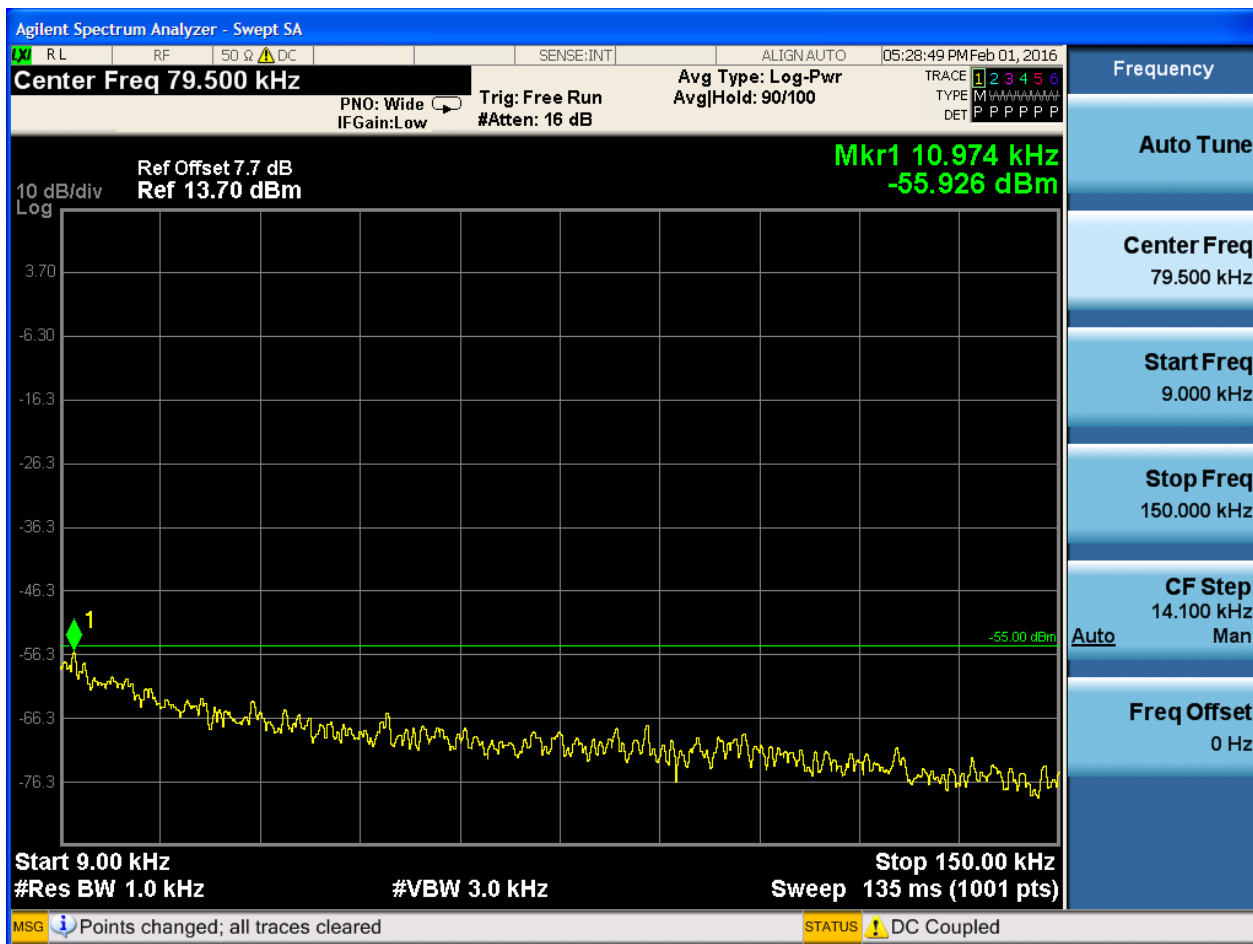




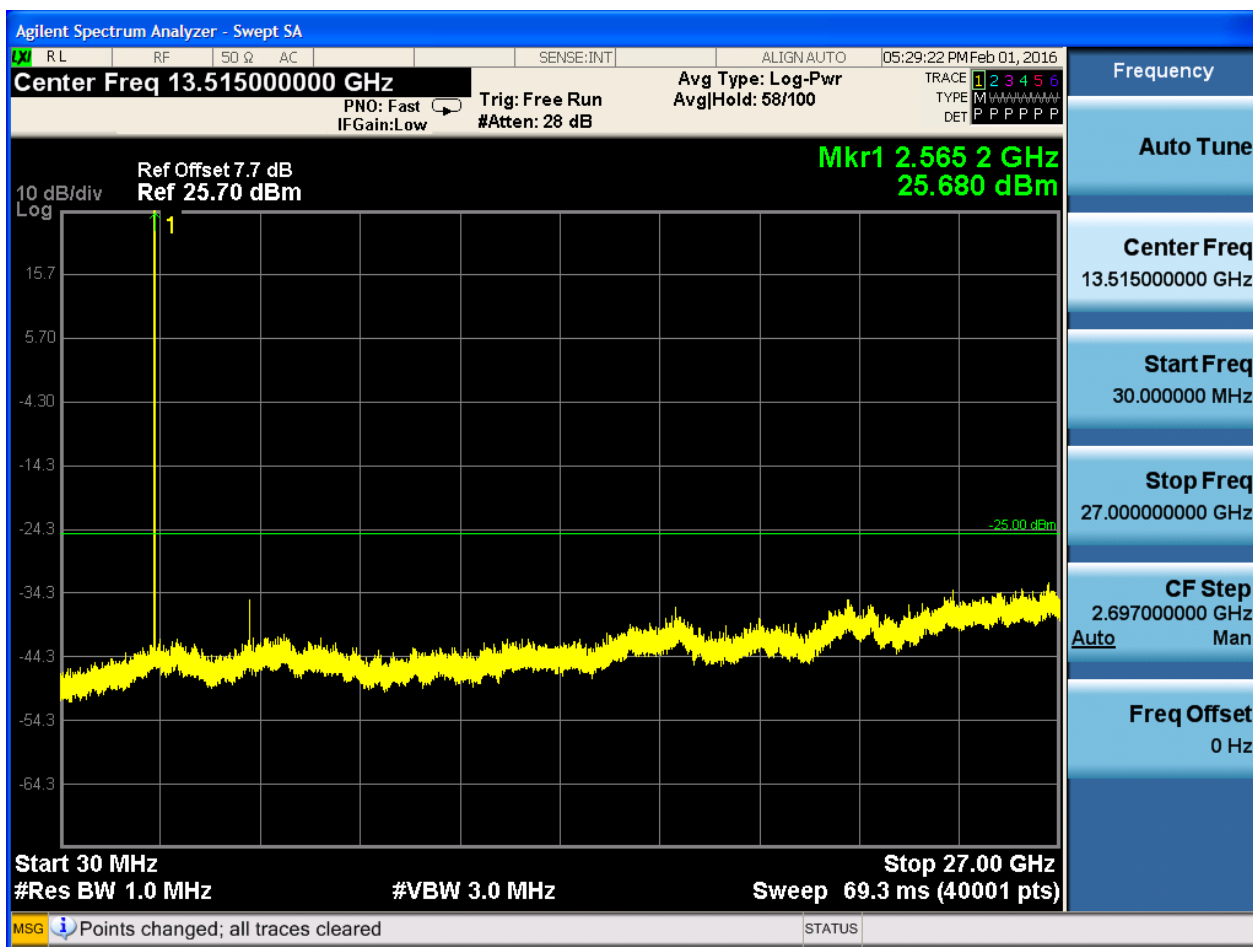


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





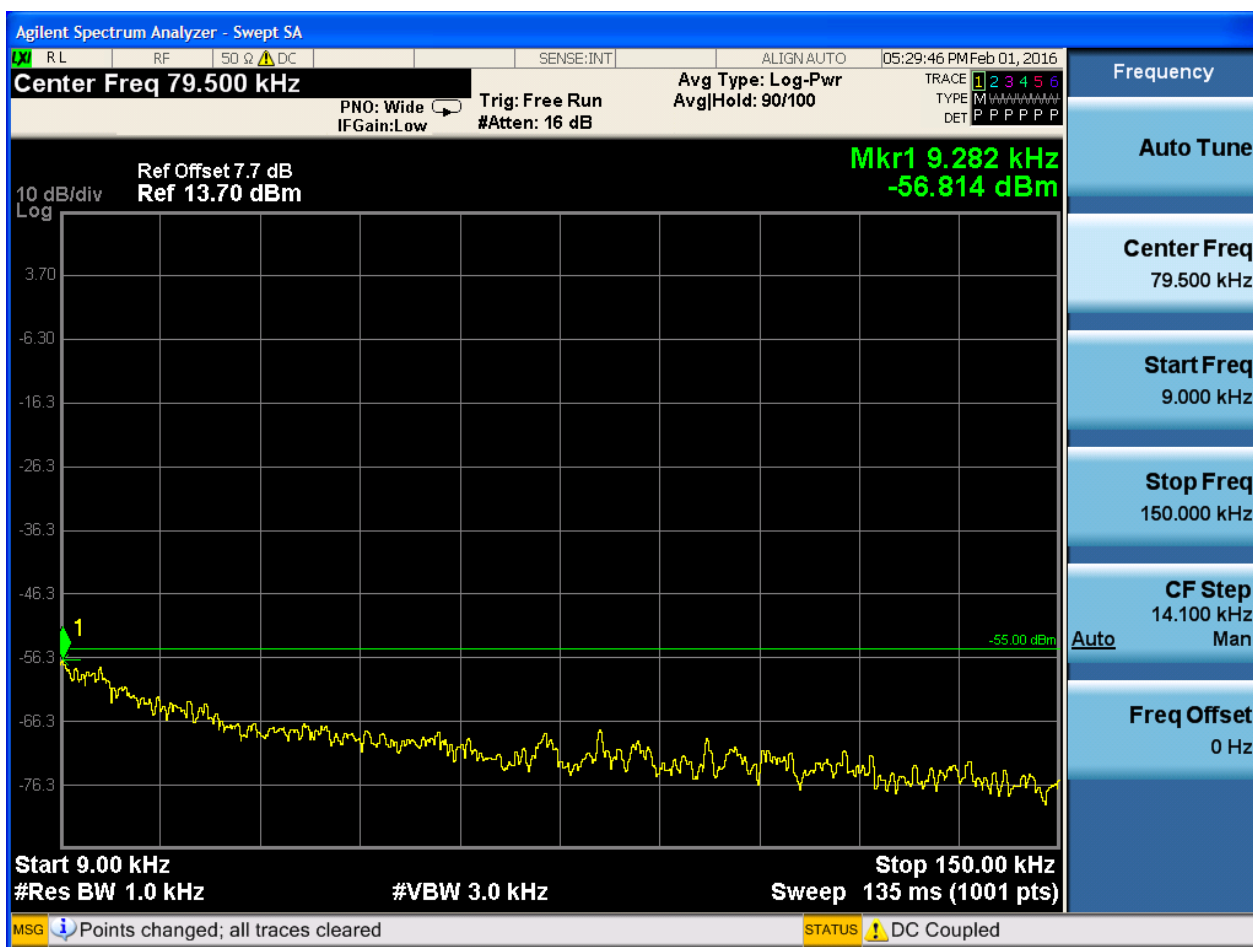


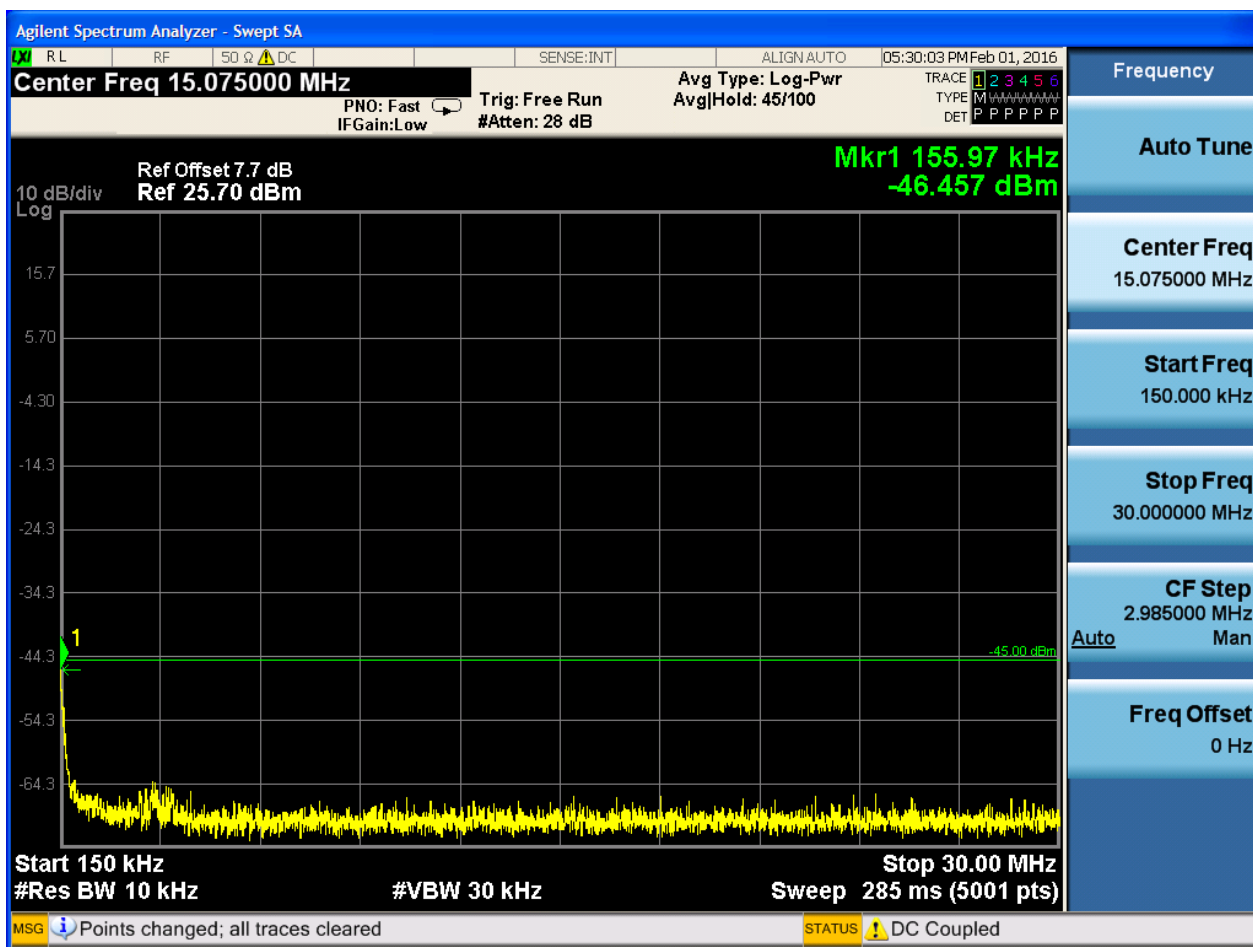


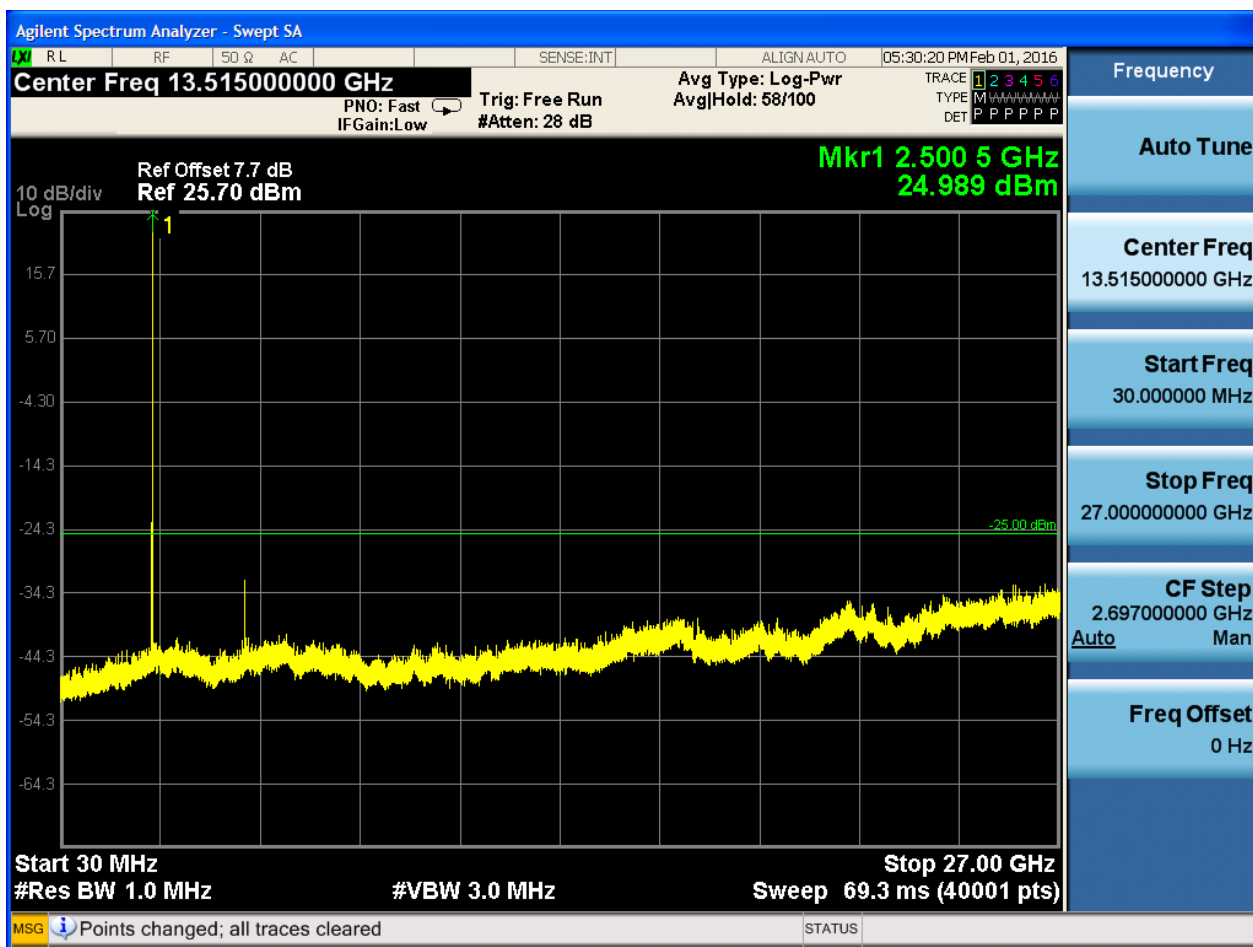
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

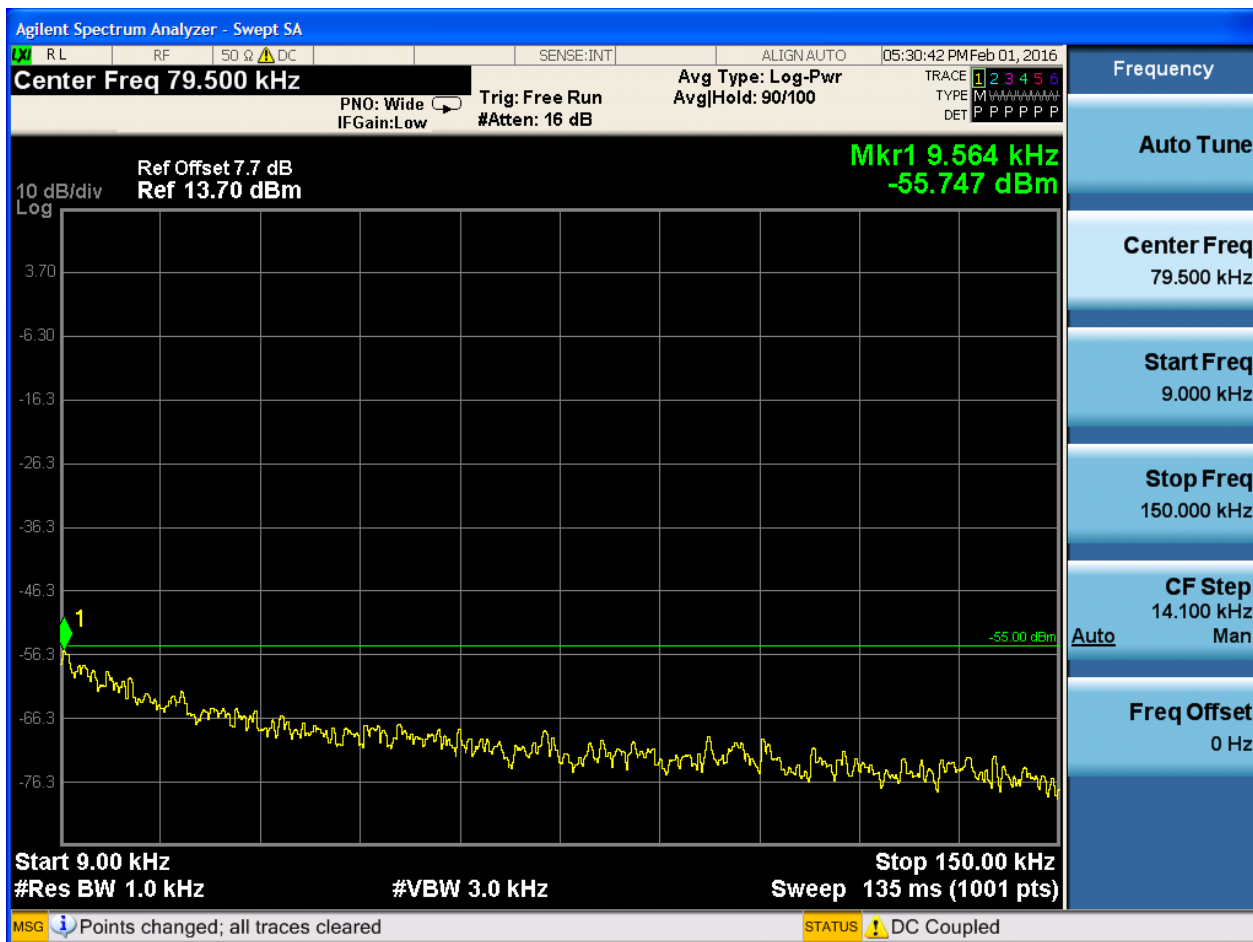




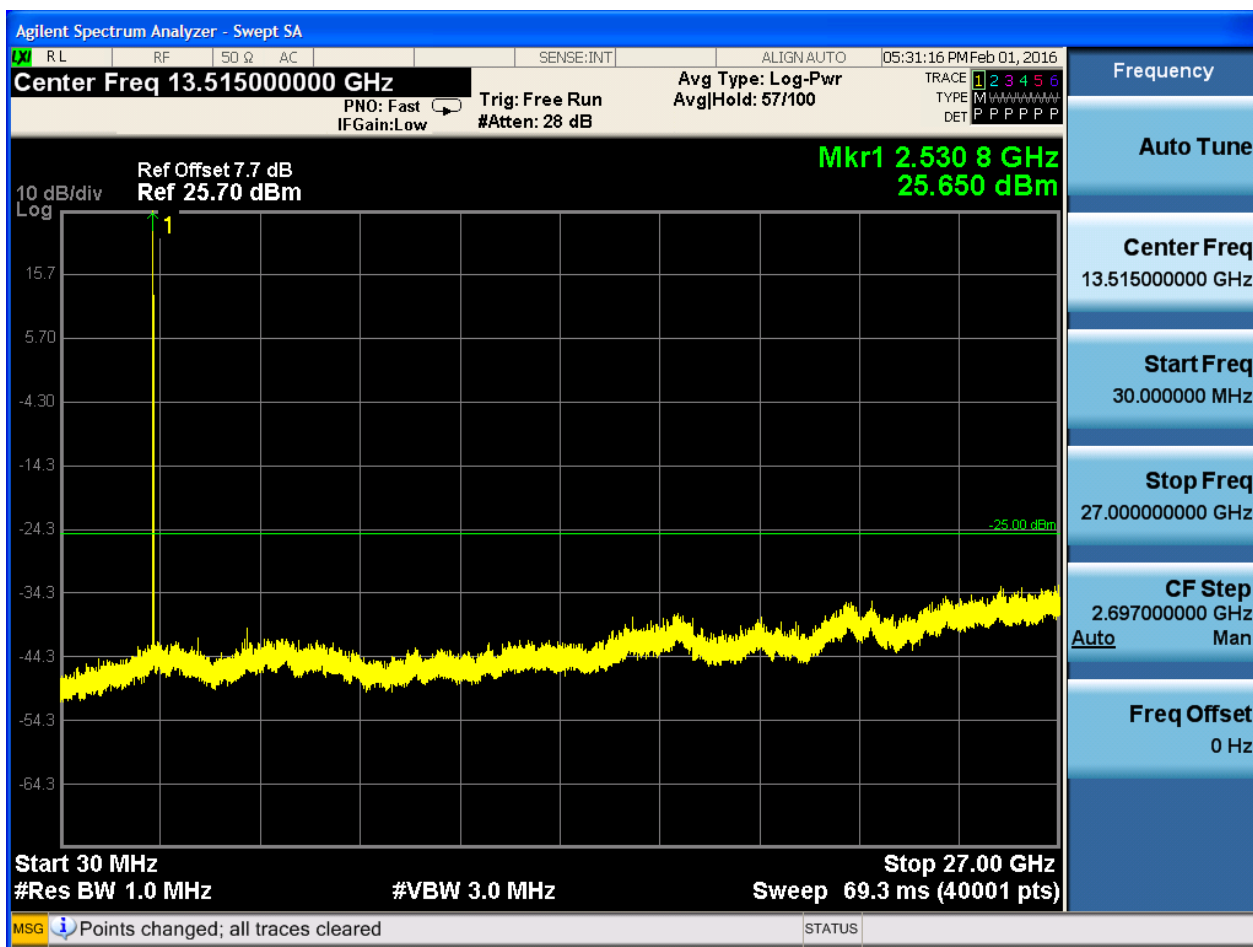


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



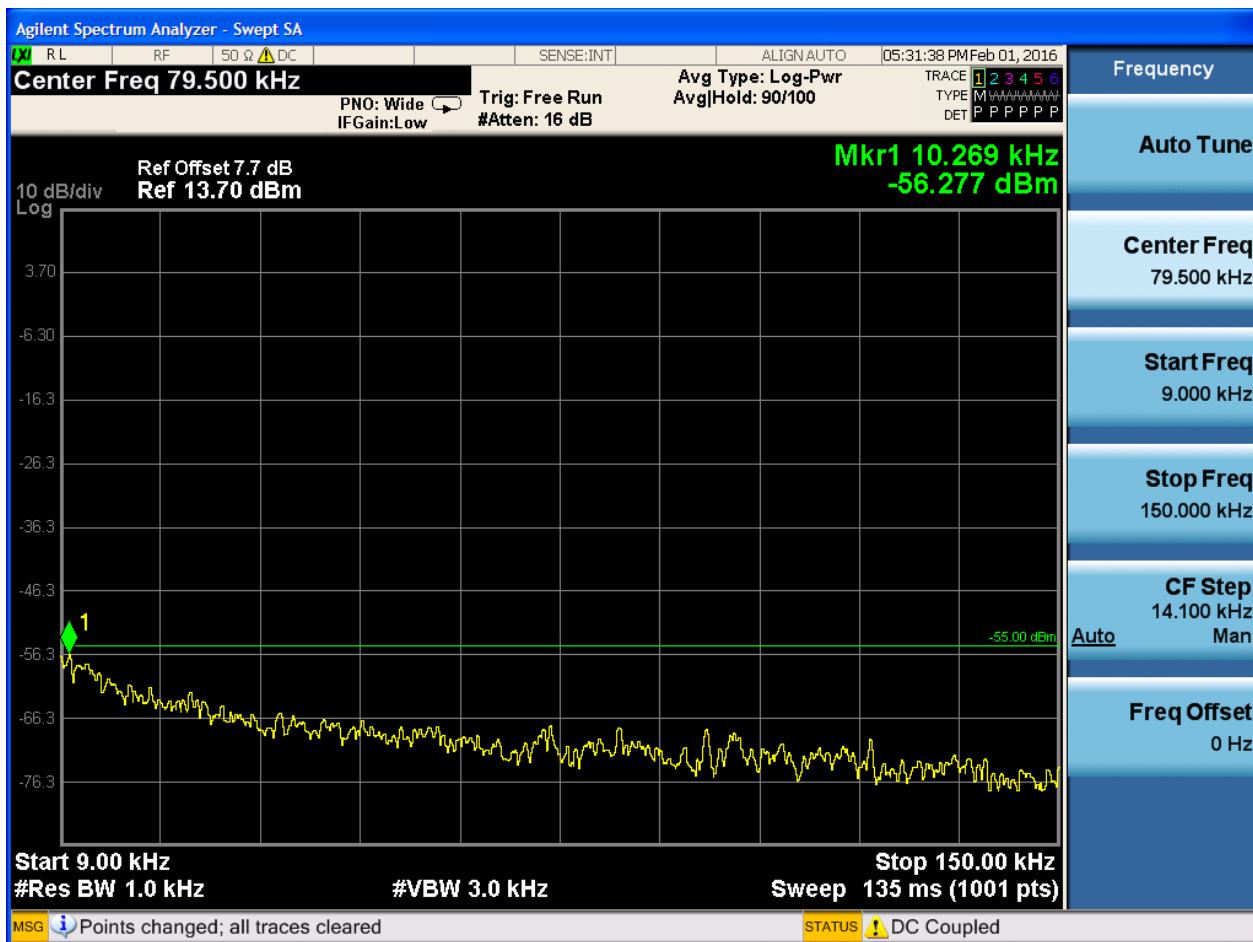


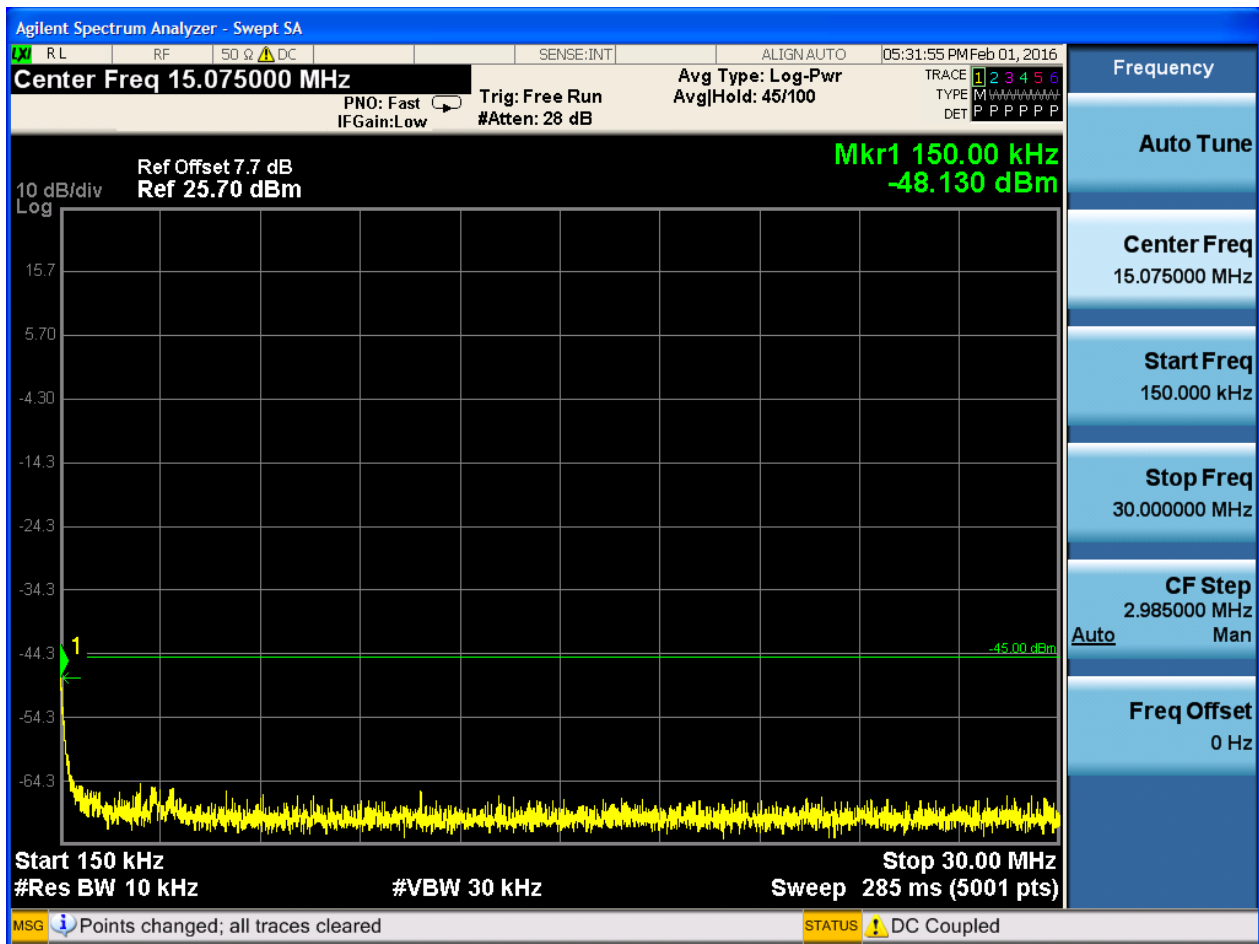


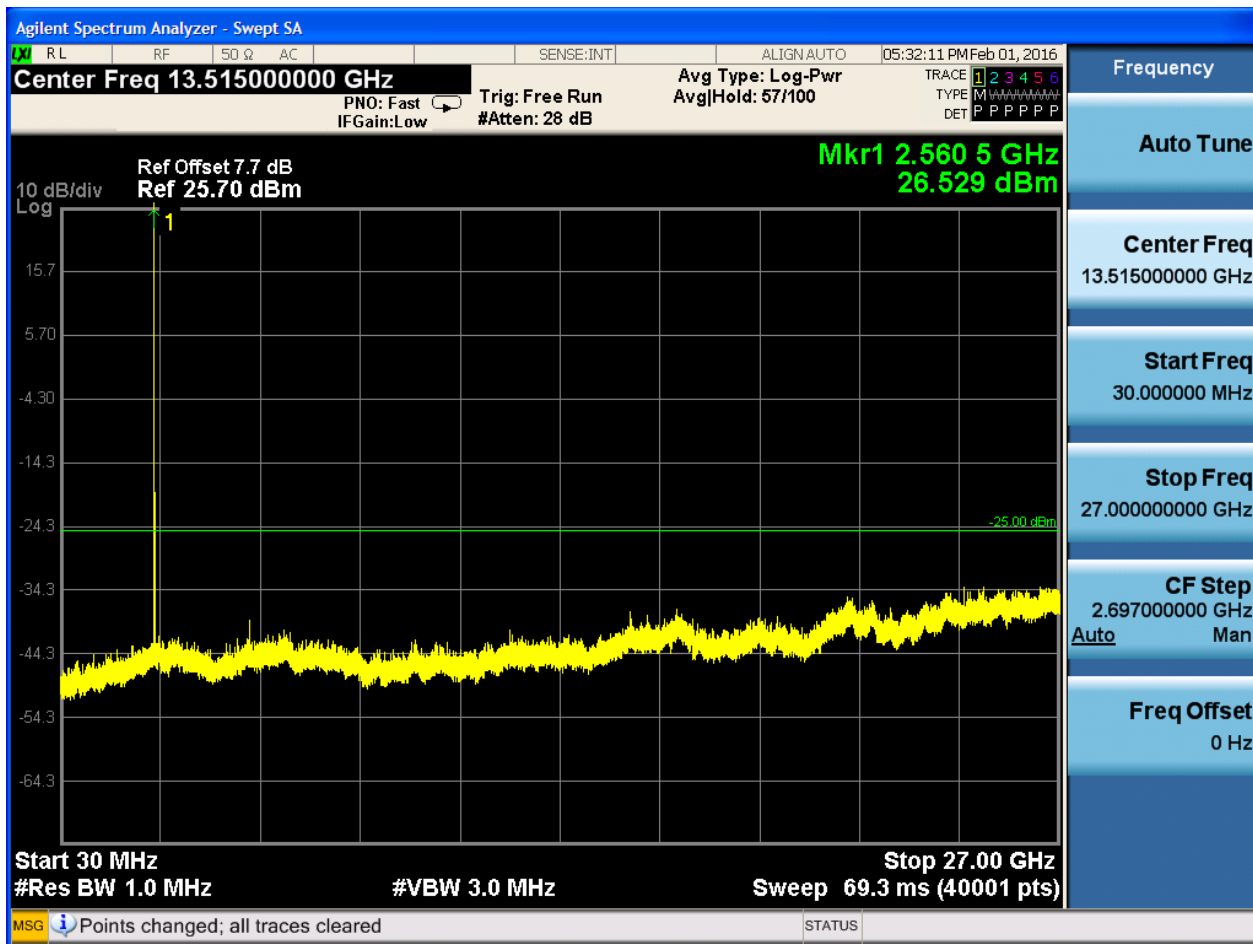


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





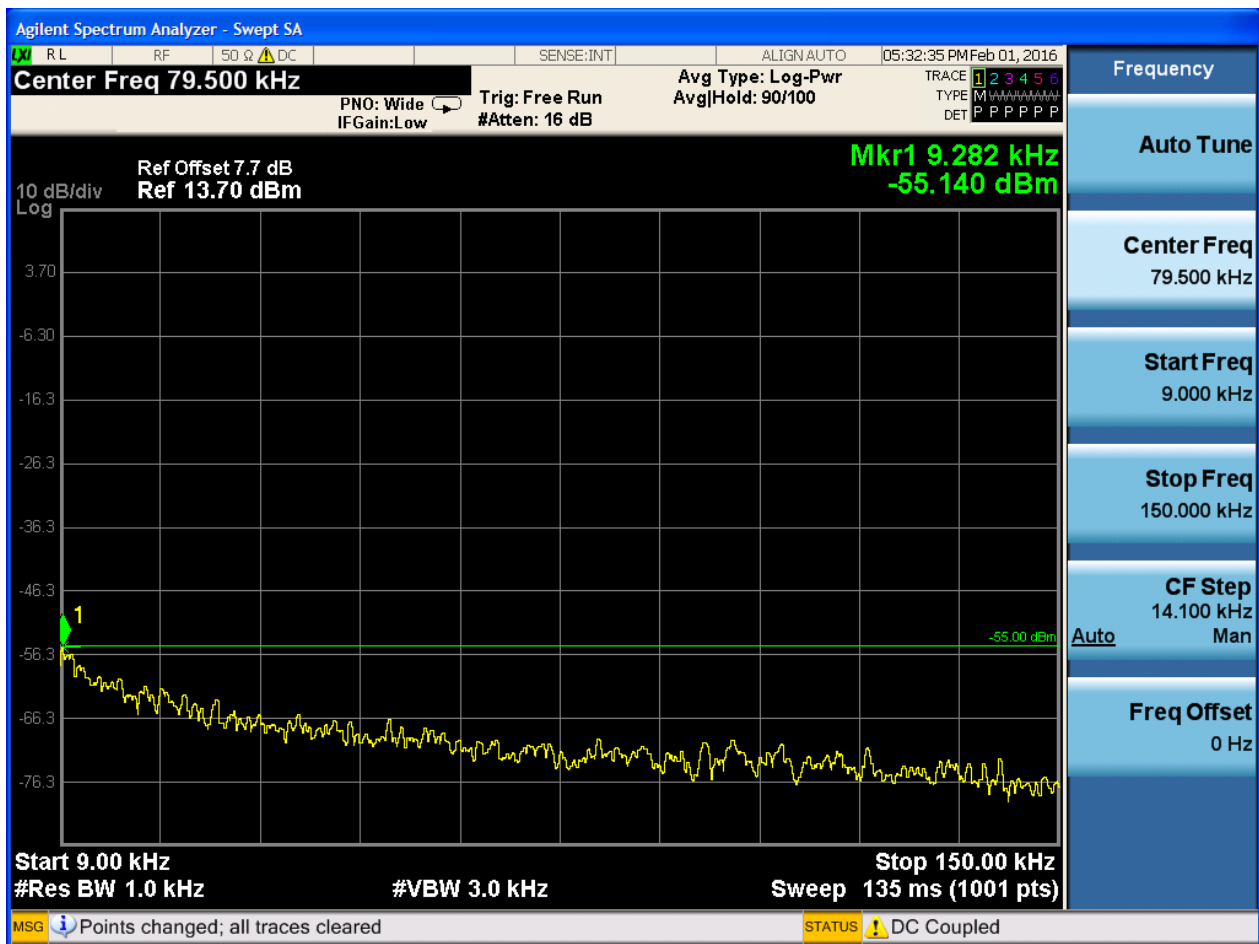




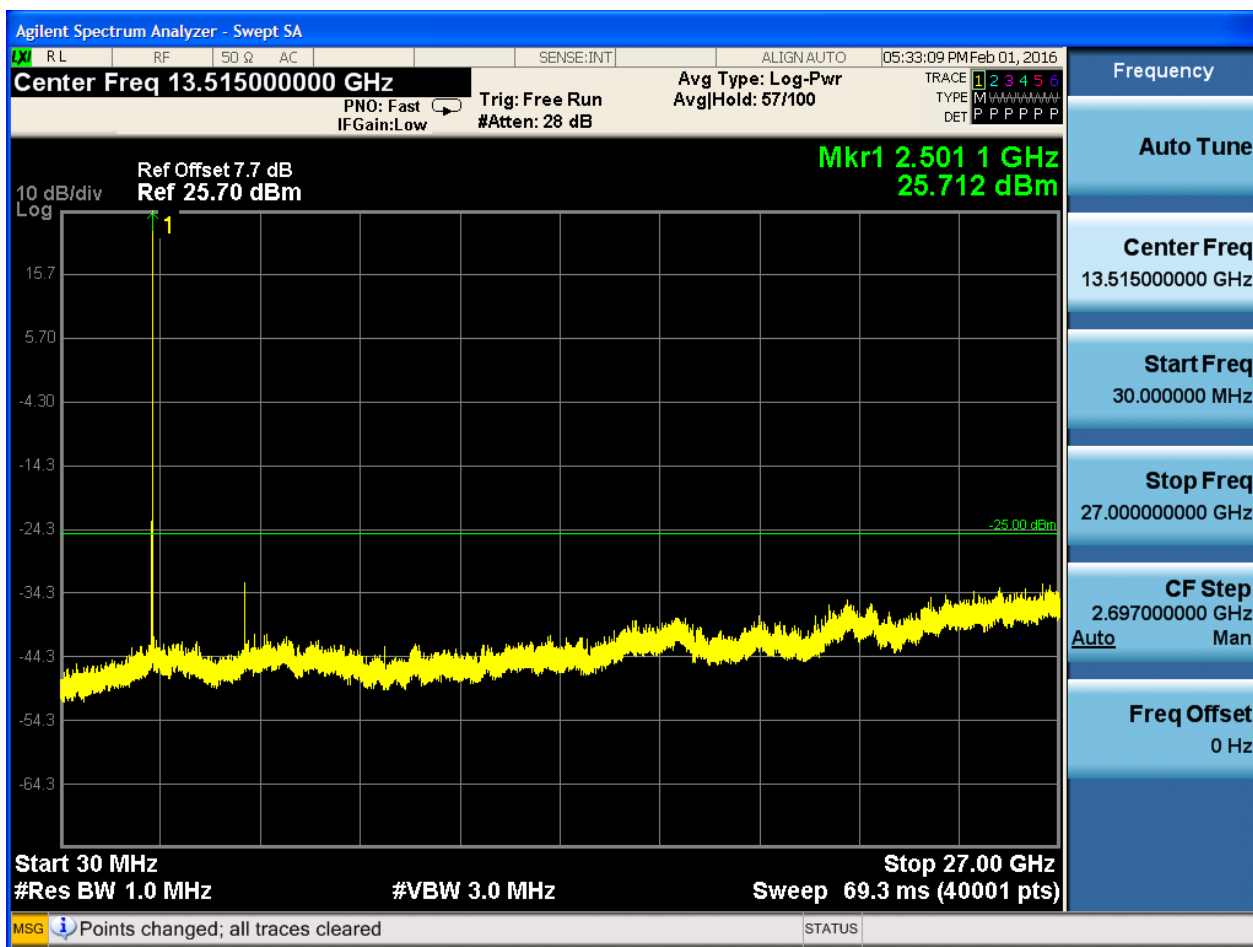
6.1.1.2.3 Test Bandwidth = 15

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

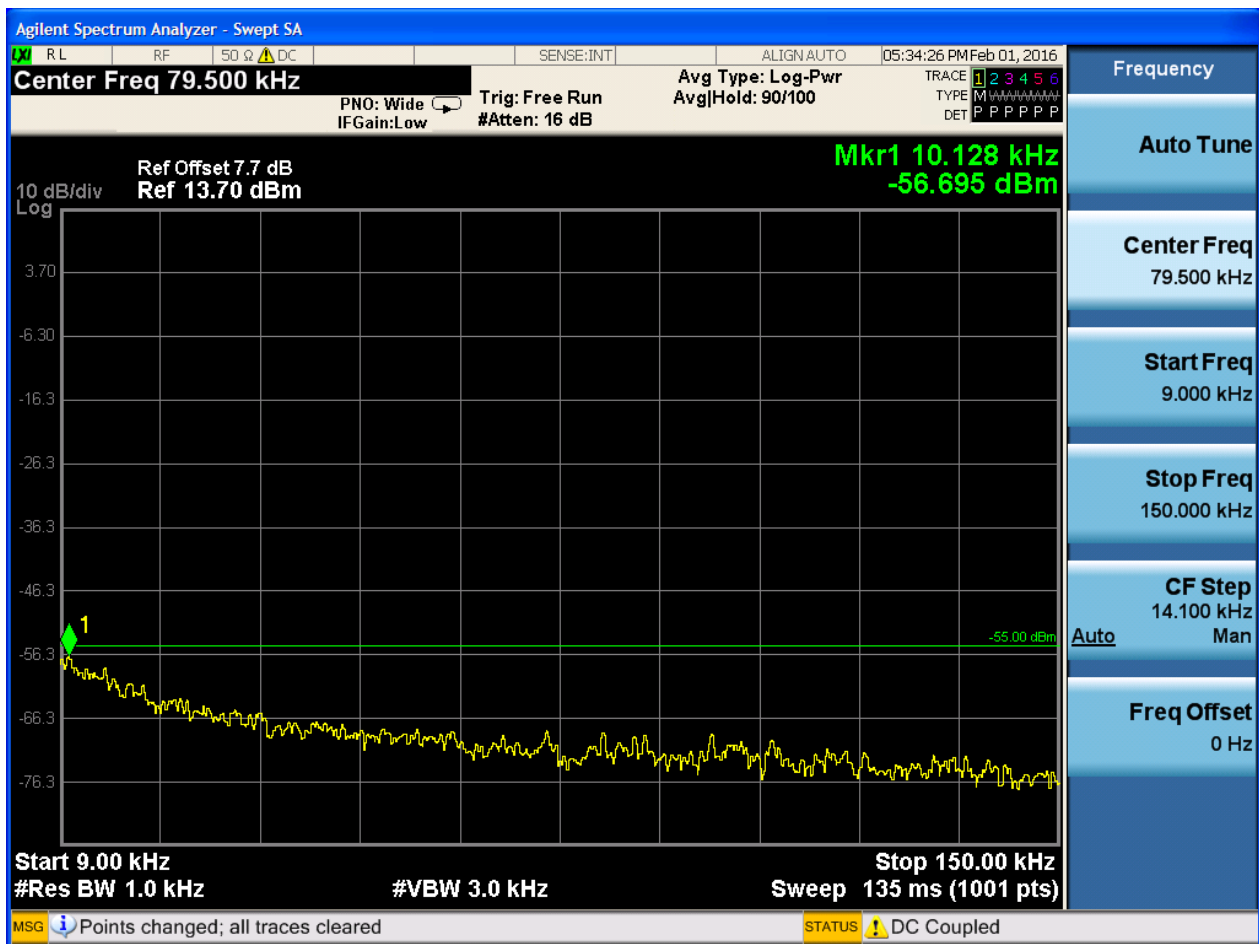




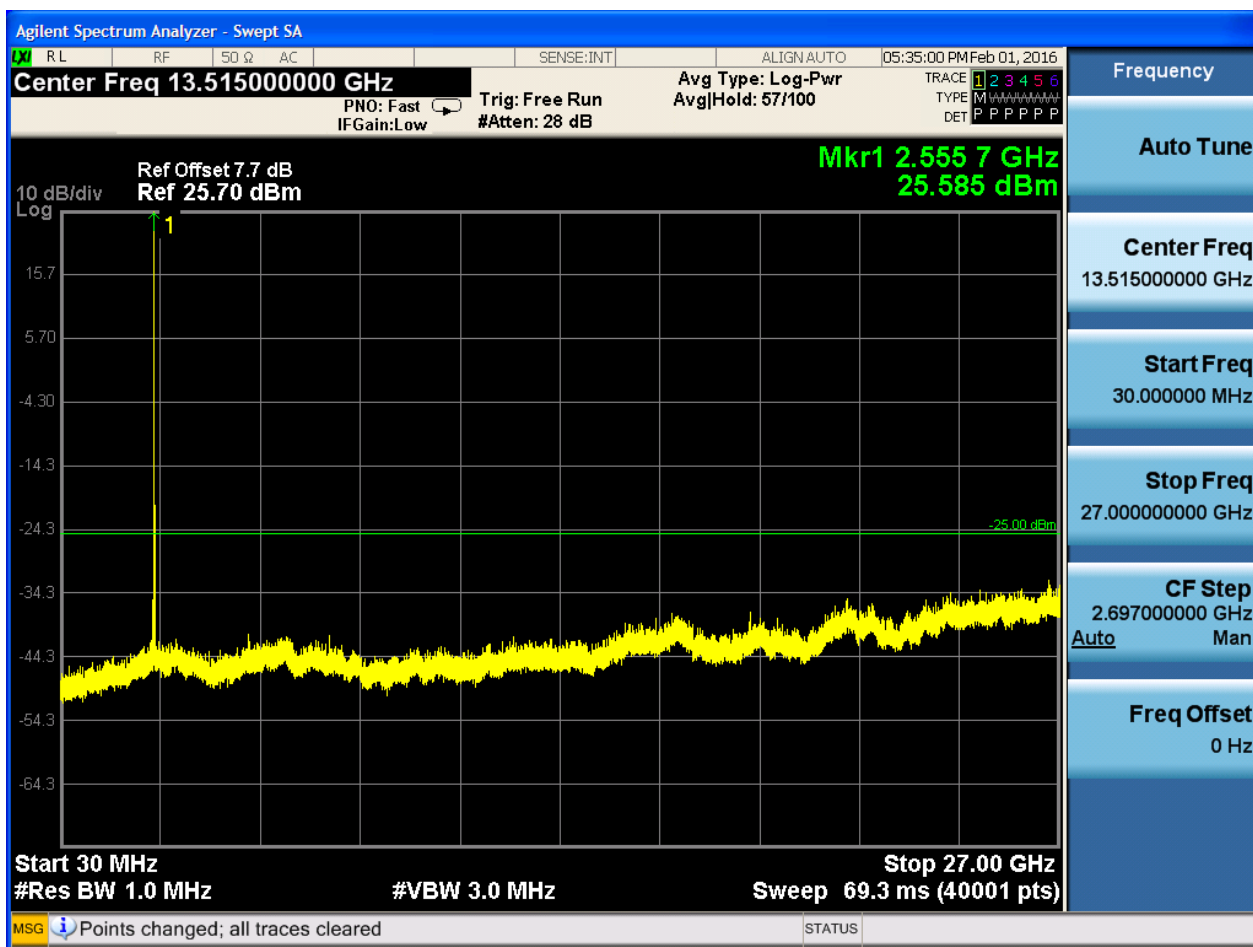


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





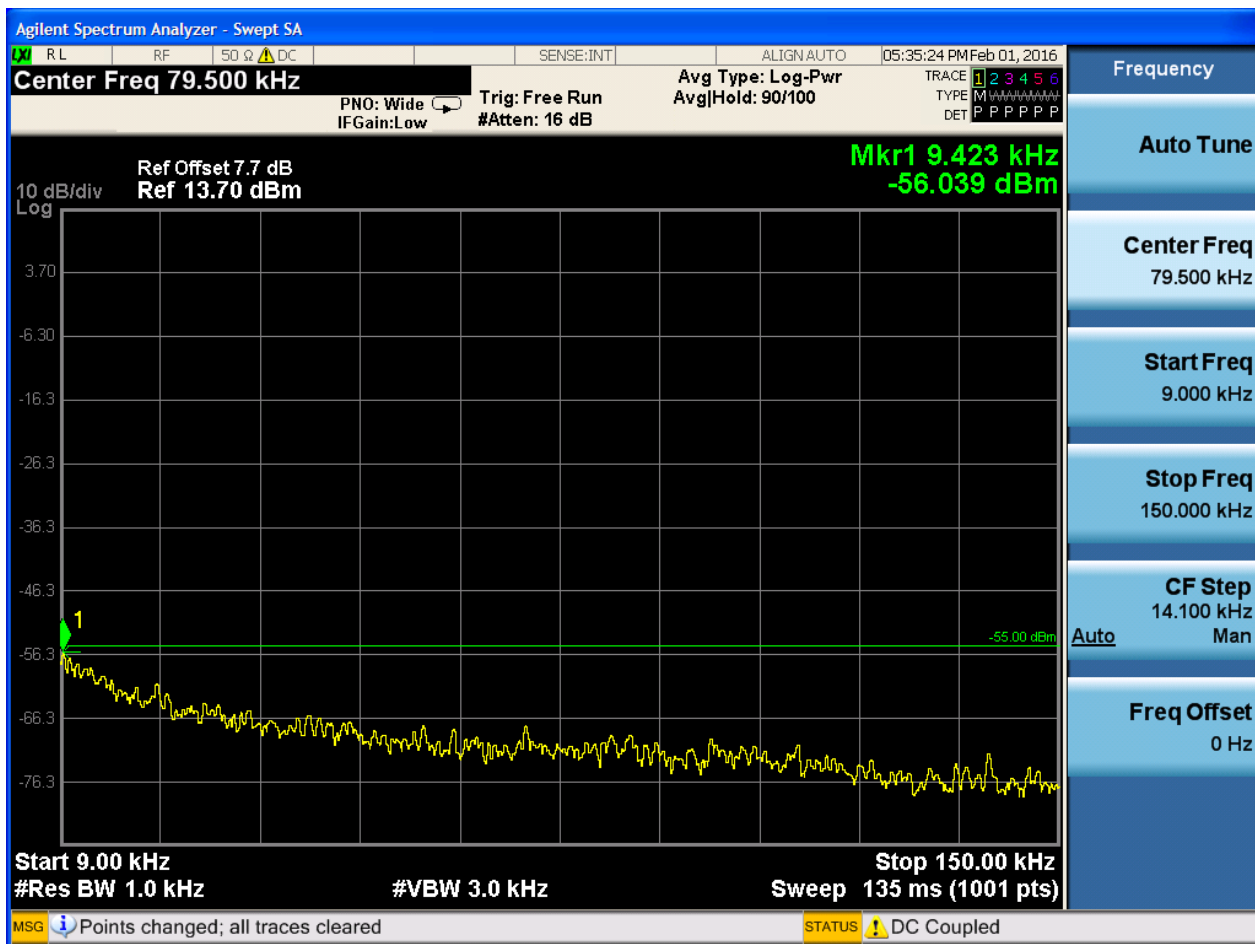


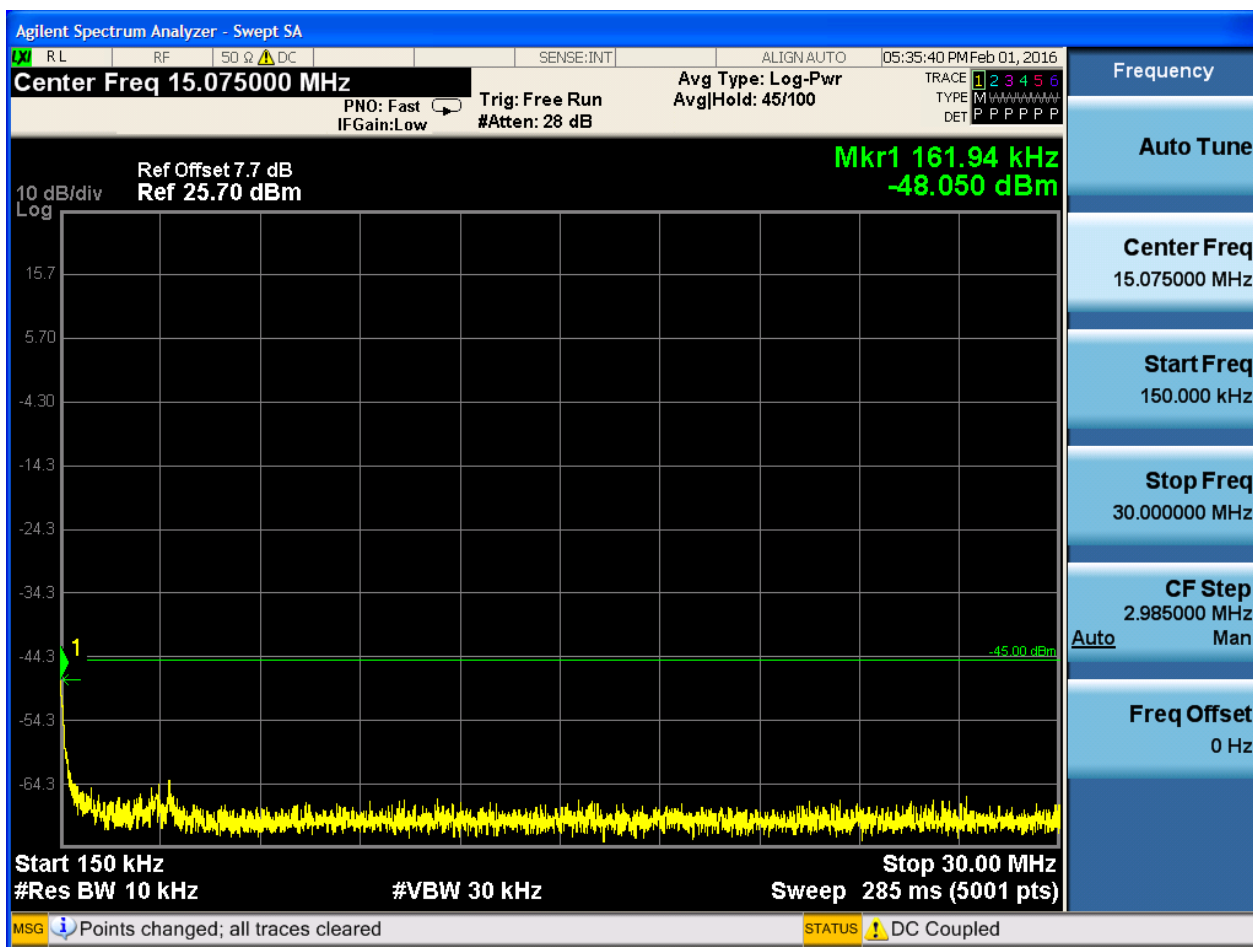


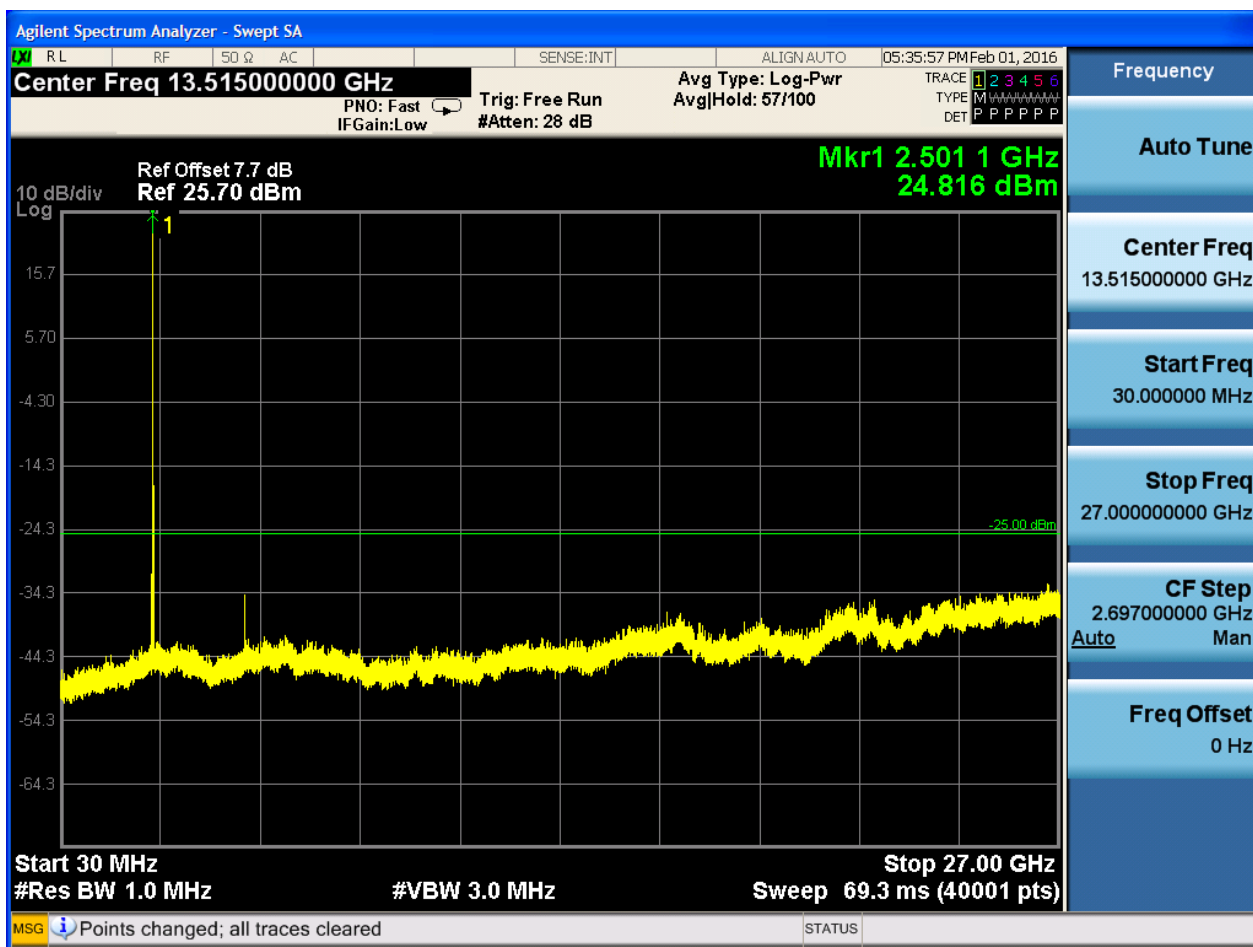
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



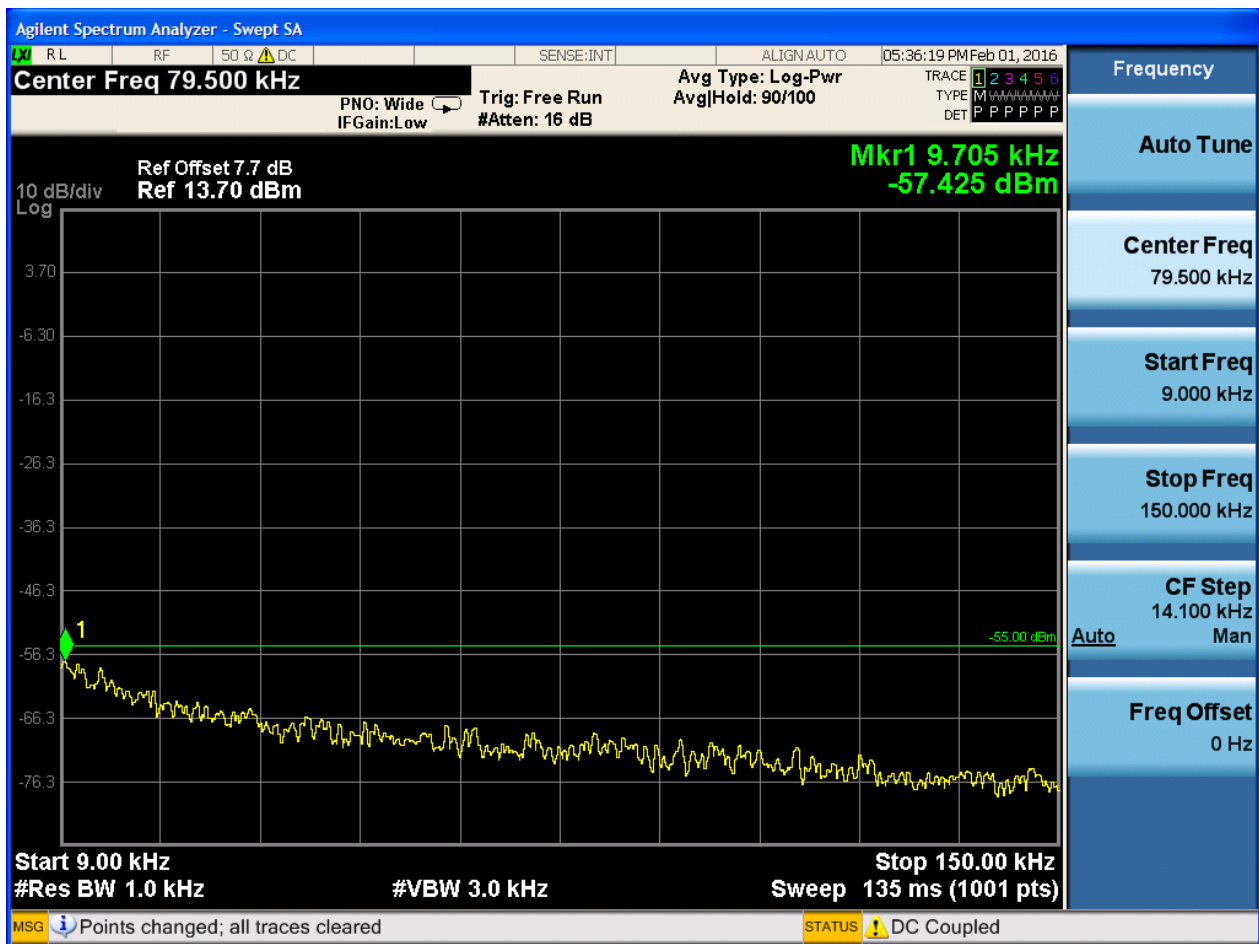




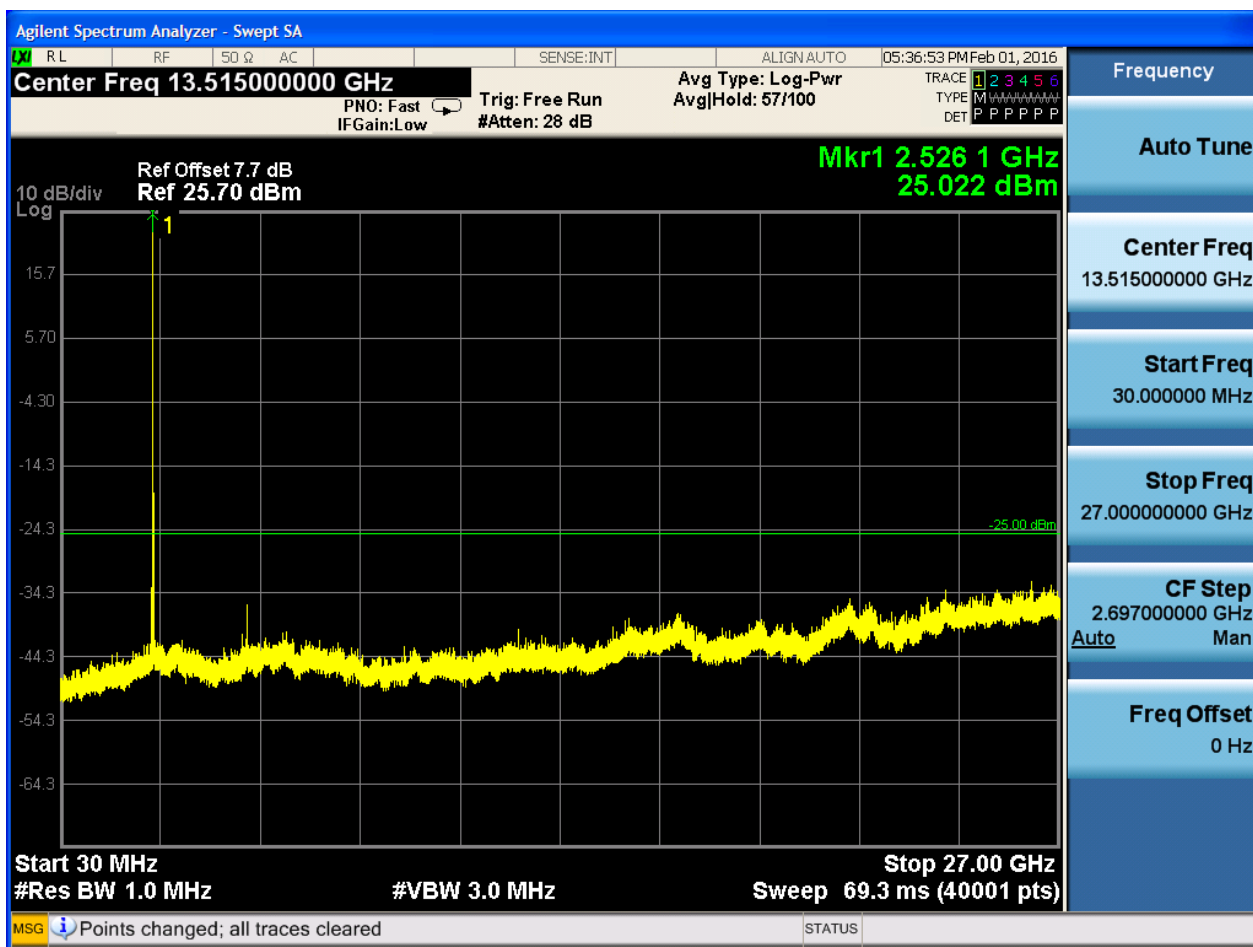


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

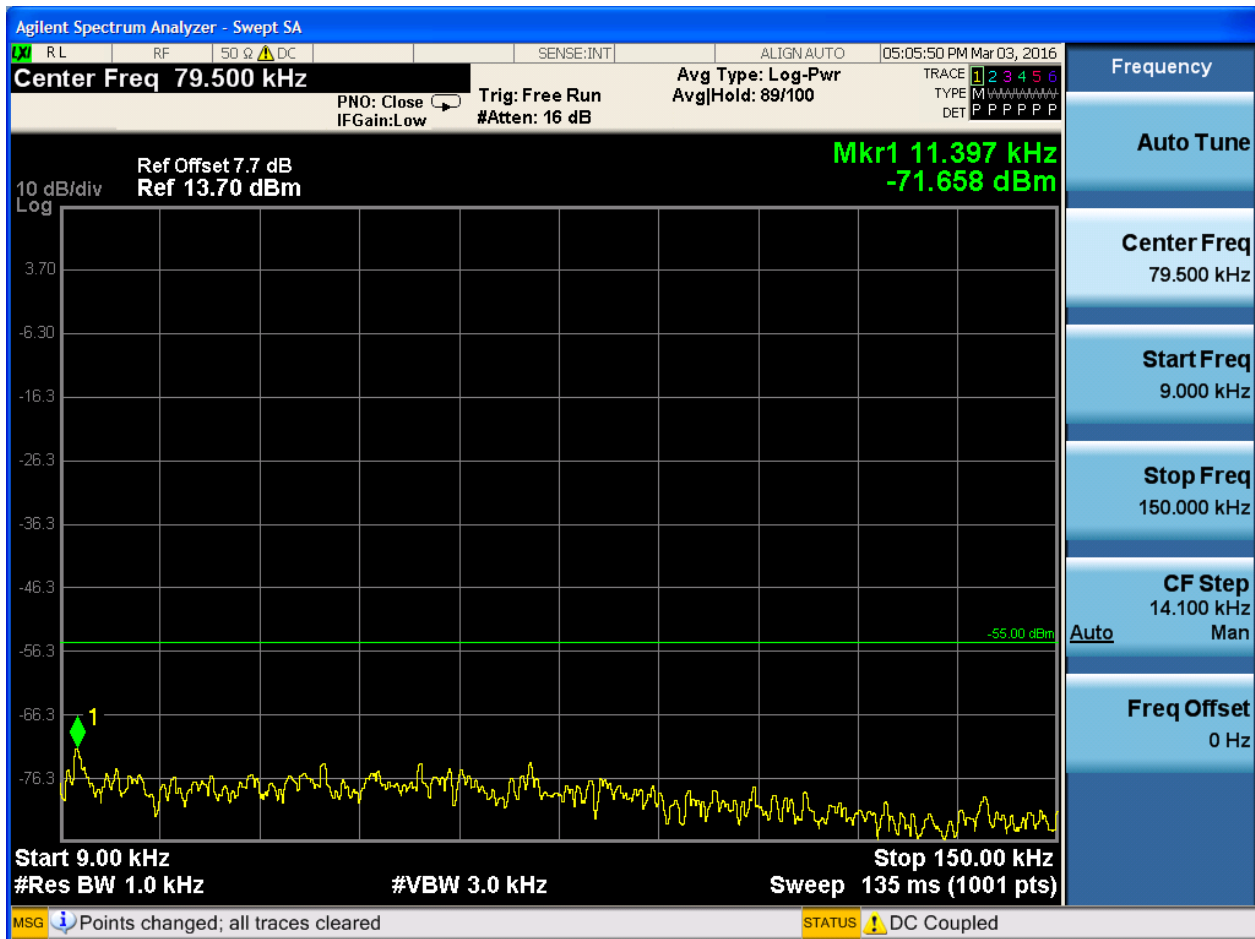


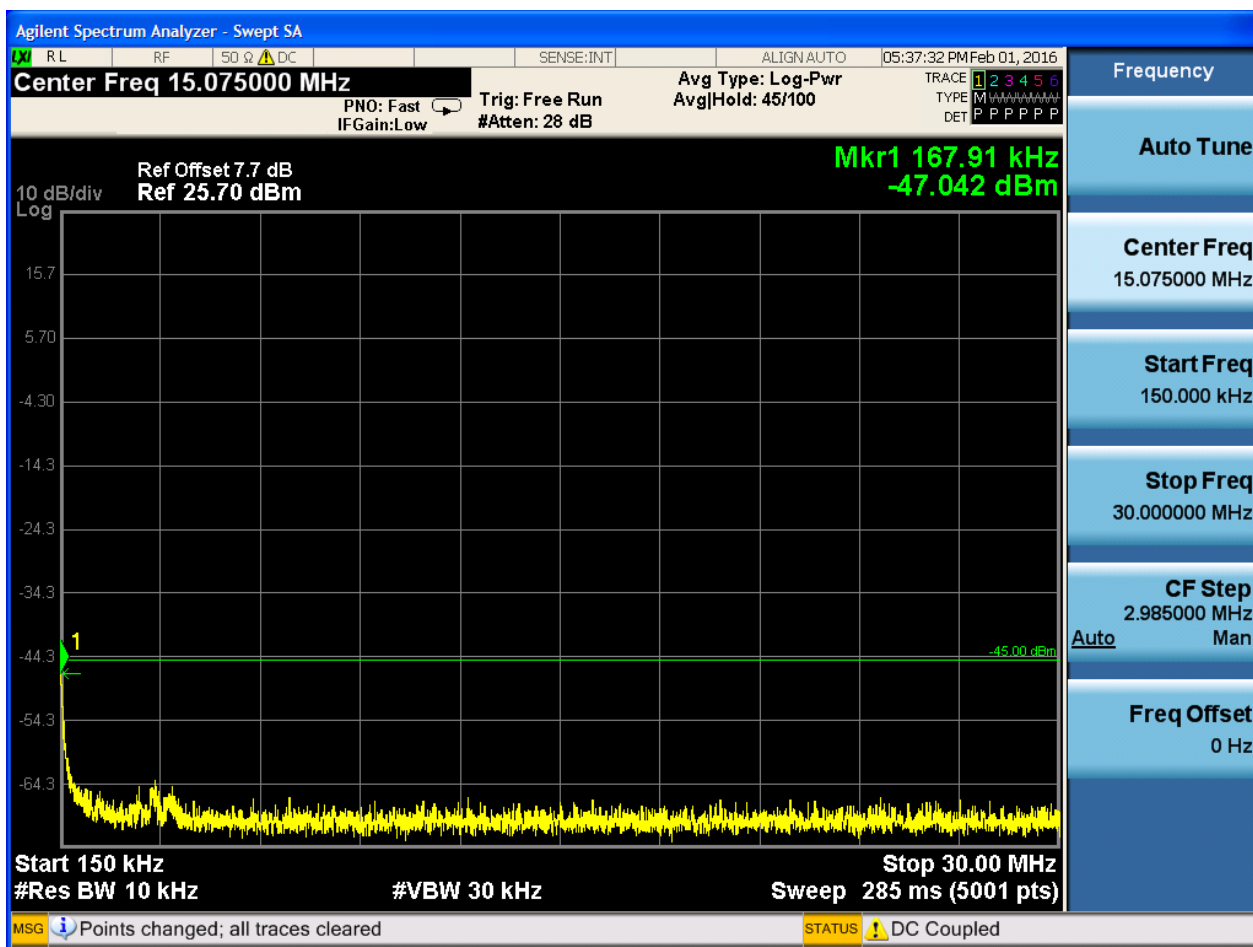


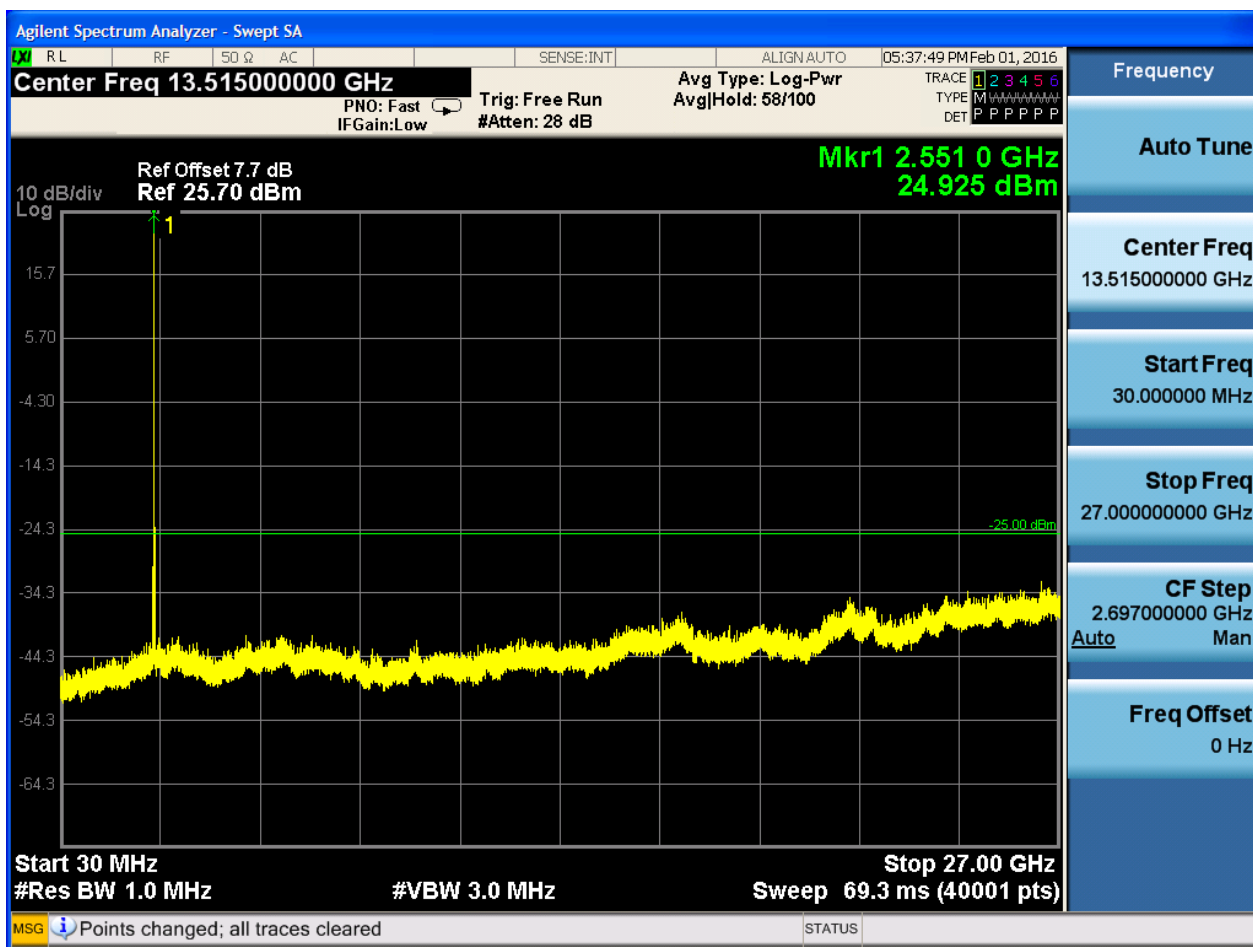


6.1.1.2.4.3 Test Channel = HCH

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

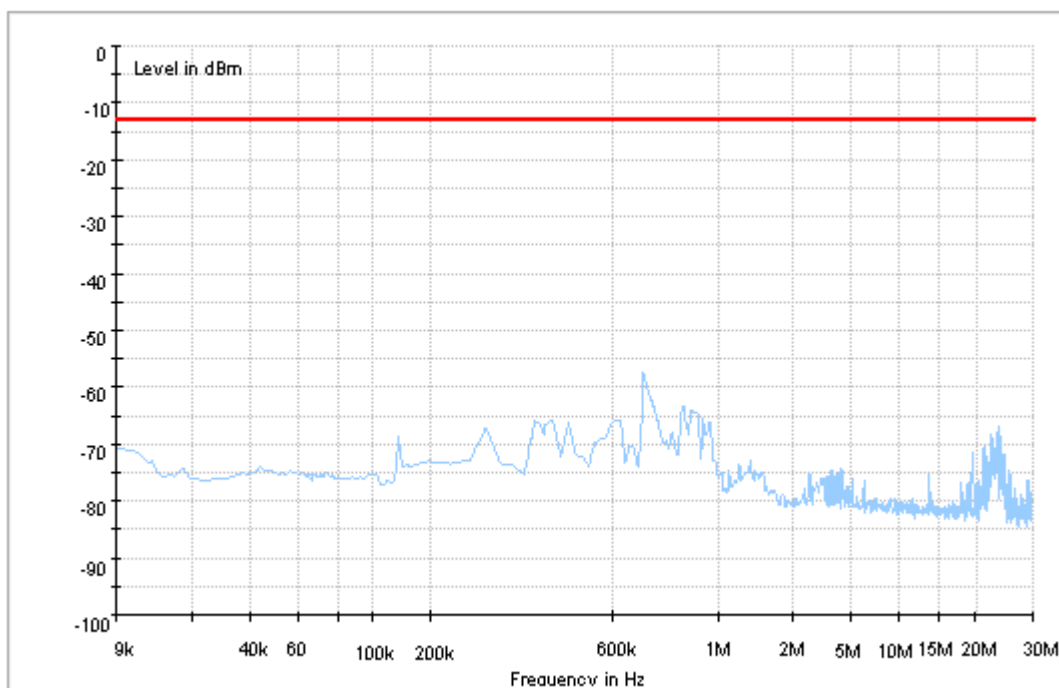
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

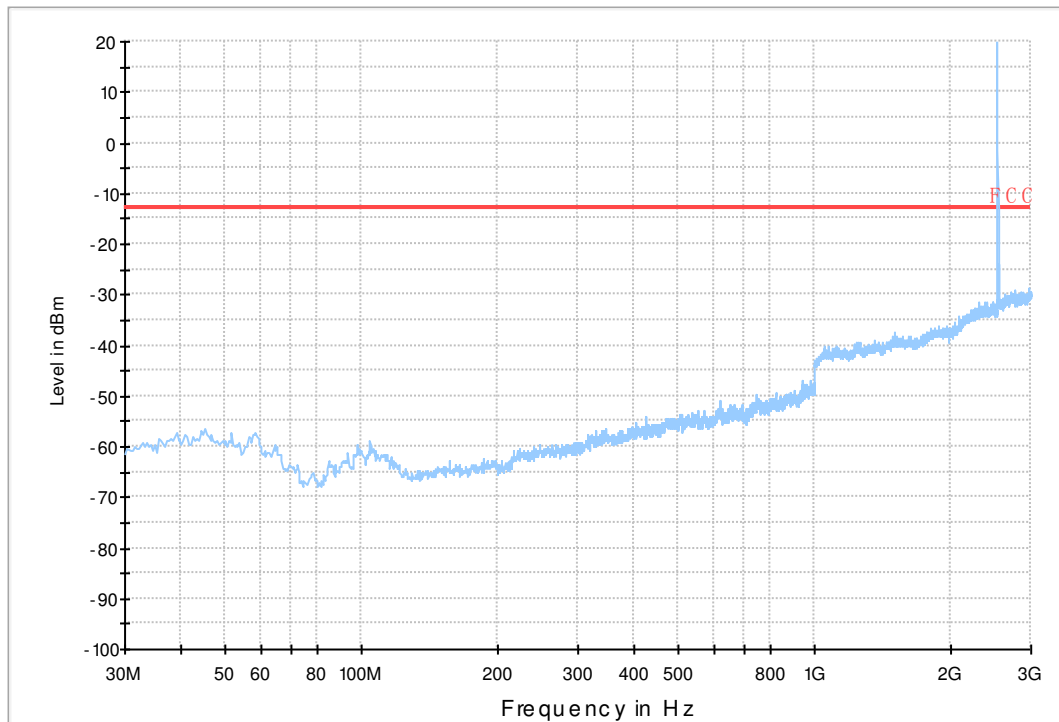
7.1 For LTE

7.1.1 Test Band = BAND7

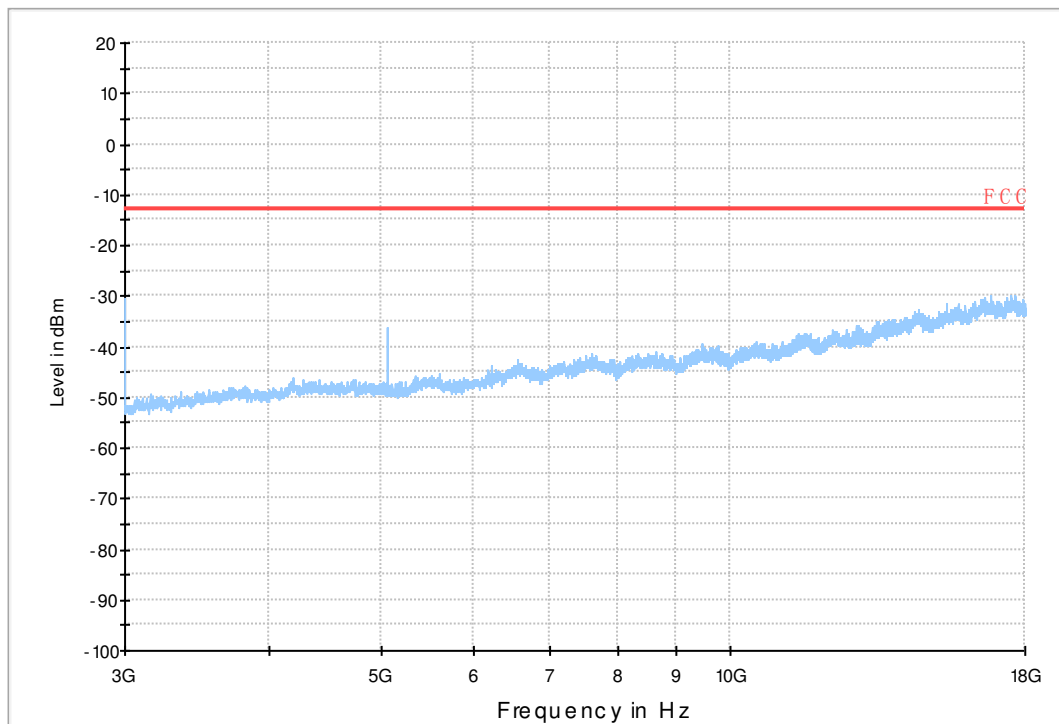
7.1.1.1 Test Bandwidth = 5

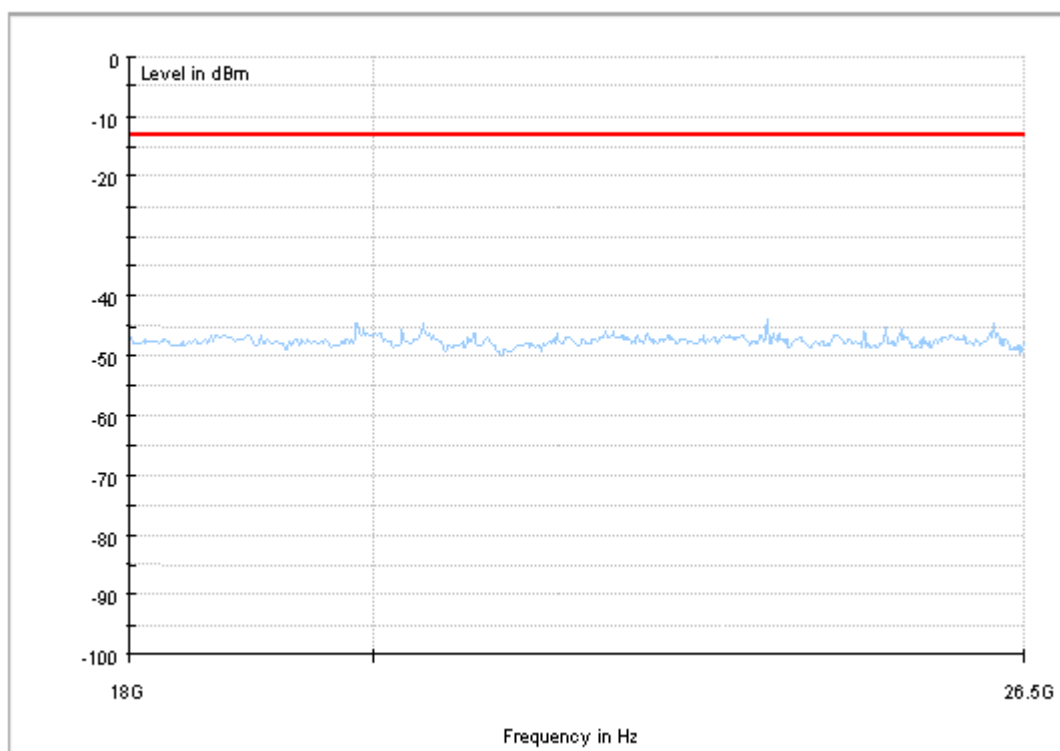


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

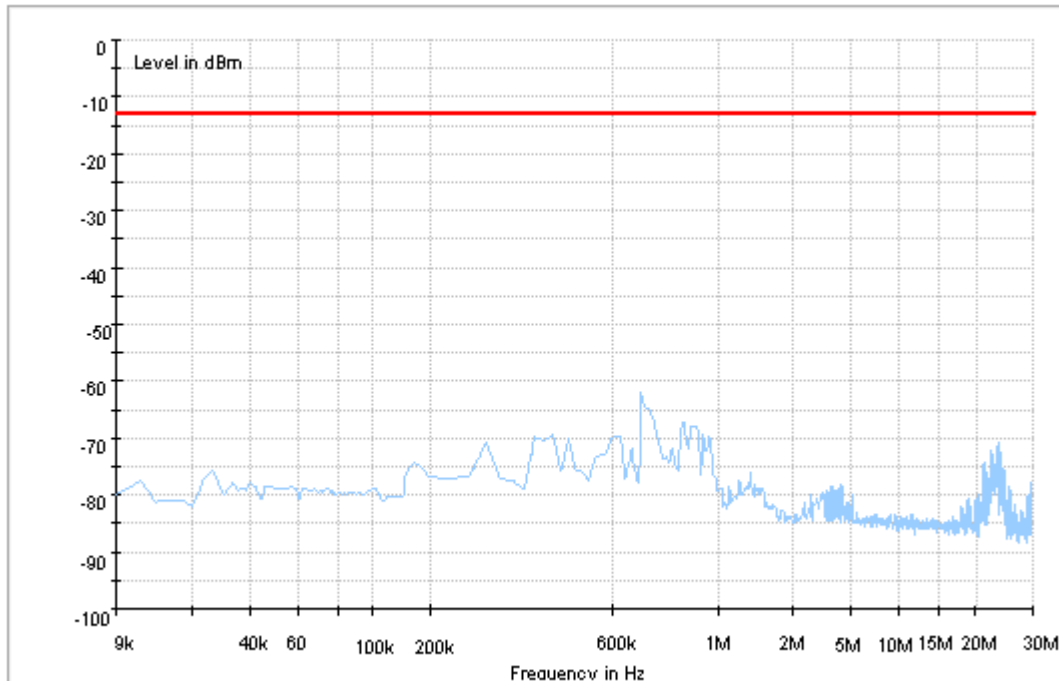


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

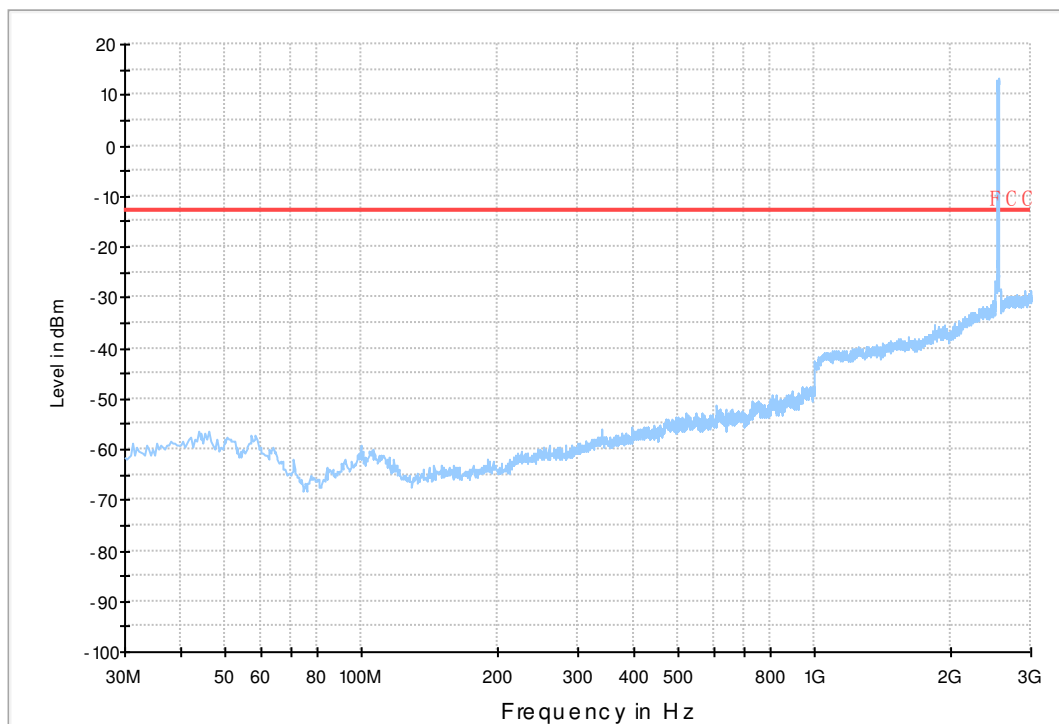




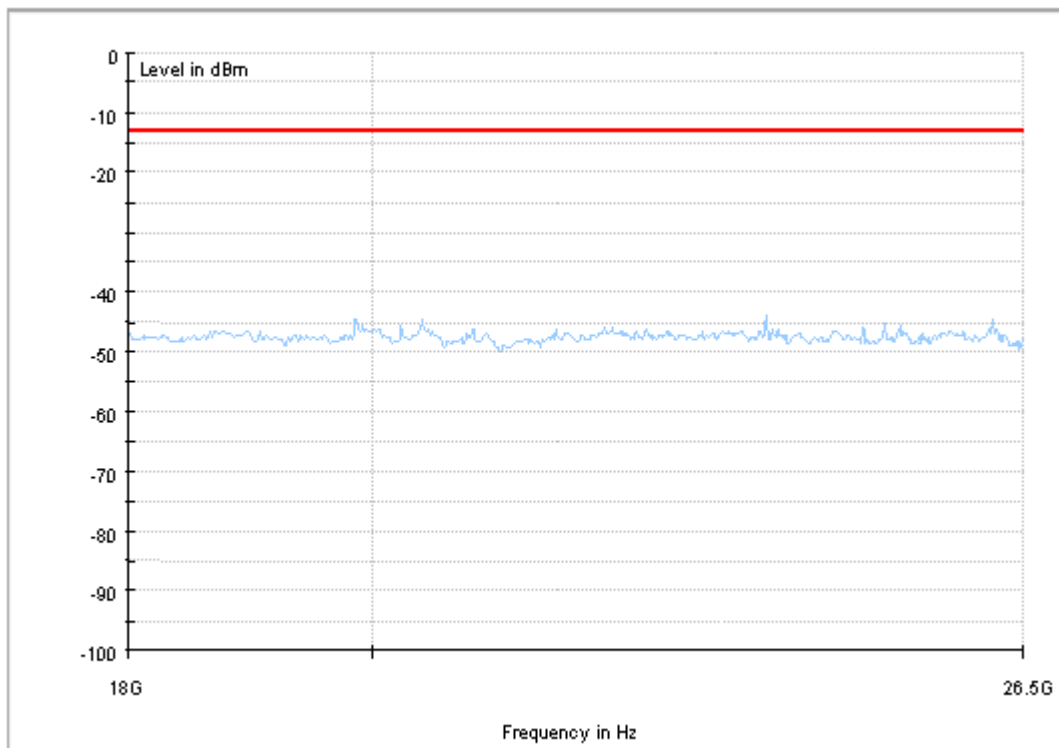
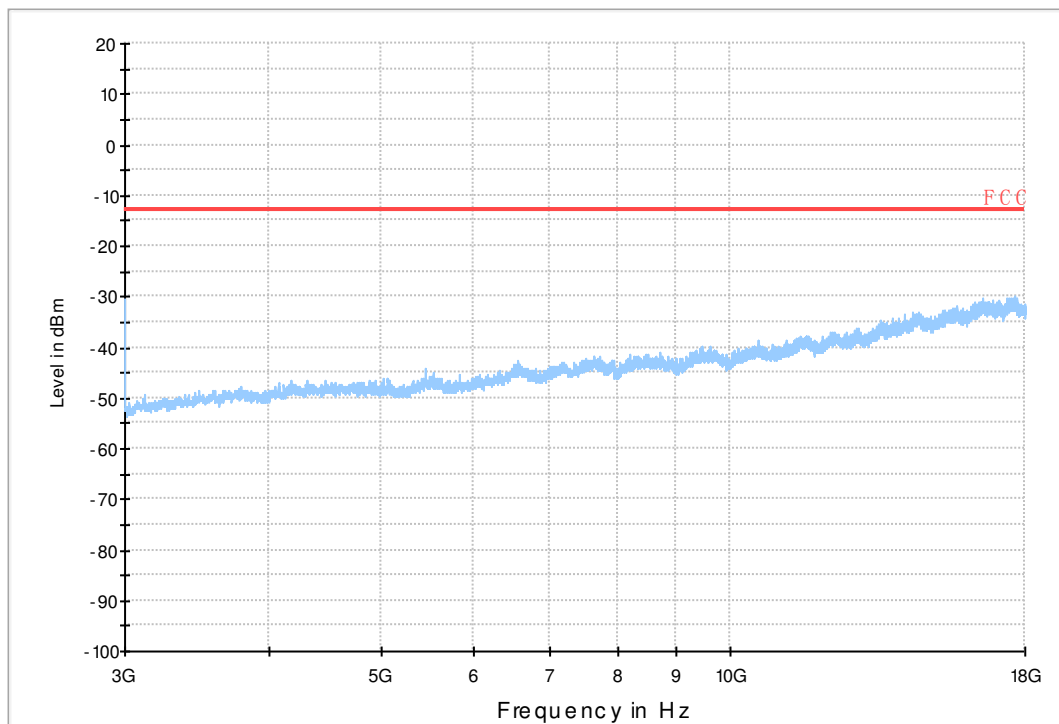
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_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
BAND7	LTE/TM1	5	LCH	TN	VL	2.00	0.0008	PASS
					VN	4.36	0.00174	PASS
					VH	0.96	0.00038	PASS
			MCH	TN	VL	5.11	0.00202	PASS
					VN	7.87	0.0031	PASS
					VH	7.20	0.00284	PASS
			HCH	TN	VL	4.16	0.00162	PASS
					VN	1.14	0.00044	PASS
					VH	2.60	0.00101	PASS
		10	LCH	TN	VL	3.66	0.00146	PASS
					VN	1.95	0.00078	PASS
					VH	3.52	0.00141	PASS
			MCH	TN	VL	3.38	0.00133	PASS
					VN	3.10	0.00122	PASS
					VH	5.21	0.00206	PASS
			HCH	TN	VL	4.42	0.00172	PASS
					VN	3.55	0.00138	PASS
					VH	2.50	0.00097	PASS
		15	LCH	TN	VL	0.39	0.00016	PASS
					VN	0.84	0.00033	PASS
					VH	2.32	0.00093	PASS
			MCH	TN	VL	1.69	0.00067	PASS
					VN	3.82	0.00151	PASS
					VH	3.85	0.00152	PASS
			HCH	TN	VL	2.98	0.00116	PASS
					VN	2.75	0.00107	PASS
					VH	4.53	0.00177	PASS
		20	LCH	TN	VL	0.01	0	PASS
					VN	1.00	0.0004	PASS
					VH	1.83	0.00073	PASS
			MCH	TN	VL	2.80	0.0011	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		HCH	TN	VN	1.19	0.00047	PASS
					VH	0.54	0.00021	PASS
					VL	-1.83	-0.00071	PASS
					VN	-0.72	-0.00028	PASS
					VH	0.14	0.00005	PASS
					VL	0.99	0.0004	PASS
		5	LCH	TN	VN	1.39	0.00056	PASS
					VH	1.97	0.00079	PASS
					VL	7.61	0.003	PASS
			MCH	TN	VN	4.31	0.0017	PASS
					VH	2.00	0.00079	PASS
					VL	5.39	0.0021	PASS
			HCH	TN	VN	4.03	0.00157	PASS
					VH	0.77	0.0003	PASS
					VL	-0.04	-0.00002	PASS
		10	LCH	TN	VN	2.82	0.00113	PASS
					VH	-2.20	-0.00088	PASS
					VL	2.17	0.00086	PASS
			MCH	TN	VN	3.60	0.00142	PASS
					VH	1.69	0.00067	PASS
					VL	3.76	0.00147	PASS
			HCH	TN	VN	5.89	0.0023	PASS
					VH	2.12	0.00083	PASS
					VL	2.55	0.00102	PASS
		15	LCH	TN	VN	4.58	0.00183	PASS
					VH	3.03	0.00121	PASS
					VL	2.86	0.00113	PASS
			MCH	TN	VN	0.93	0.00037	PASS
					VH	0.70	0.00028	PASS
					VL	3.65	0.00142	PASS
			HCH	TN	VN	4.35	0.0017	PASS
					VH	4.61	0.0018	PASS
					VL	1.86	0.00074	PASS
		20	LCH	TN	VN	-0.50	-0.0002	PASS
					VH	1.52	0.00061	PASS
					VL	4.86	0.00192	PASS
			MCH	TN	VN	2.73	0.00108	PASS
					VH	5.35	0.00211	PASS
					VL	-0.13	-0.00005	PASS
			HCH	TN	VL	-0.13	-0.00005	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.41	0.00016	PASS
					VH	-0.04	-0.00002	PASS

8.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	-0.89	-0.00036	PASS
					-20	3.43	0.00137	PASS
					-10	2.00	0.0008	PASS
					0	3.82	0.00153	PASS
					10	1.65	0.00066	PASS
					20	2.70	0.00108	PASS
					30	1.79	0.00072	PASS
					40	2.30	0.00092	PASS
					50	0.49	0.0002	PASS
			MCH	VN	-30	3.06	0.00121	PASS
					-20	3.15	0.00124	PASS
					-10	4.02	0.00159	PASS
					0	1.62	0.00064	PASS
					10	4.08	0.00161	PASS
					20	3.76	0.00148	PASS
					30	3.13	0.00123	PASS
					40	0.83	0.00033	PASS
					50	1.47	0.00058	PASS
			HCH	VN	-30	8.01	0.00312	PASS
					-20	6.54	0.00255	PASS
					-10	3.98	0.00155	PASS
					0	3.10	0.00121	PASS
					10	3.95	0.00154	PASS
					20	3.82	0.00149	PASS
					30	5.44	0.00212	PASS
					40	4.06	0.00158	PASS
					50	3.59	0.0014	PASS
		10	LCH	VN	-30	2.17	0.00087	PASS
					-20	2.75	0.0011	PASS
					-10	3.25	0.0013	PASS
					0	2.47	0.00099	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.70	0.00028	PASS
					20	2.78	0.00111	PASS
					30	2.65	0.00106	PASS
					40	3.59	0.00143	PASS
					50	5.97	0.00238	PASS
			MCH	VN	-30	6.91	0.00273	PASS
					-20	4.81	0.0019	PASS
					-10	3.62	0.00143	PASS
					0	3.46	0.00136	PASS
					10	7.45	0.00294	PASS
					20	2.76	0.00109	PASS
					30	2.83	0.00112	PASS
					40	3.59	0.00142	PASS
					50	3.88	0.00153	PASS
			HCH	VN	-30	1.34	0.00052	PASS
					-20	0.97	0.00038	PASS
					-10	2.68	0.00104	PASS
					0	-0.64	-0.00025	PASS
					10	1.00	0.00039	PASS
					20	2.56	0.001	PASS
					30	4.68	0.00182	PASS
					40	2.19	0.00085	PASS
					50	2.93	0.00114	PASS
		15	LCH	VN	-30	5.99	0.00239	PASS
					-20	5.65	0.00225	PASS
					-10	4.31	0.00172	PASS
					0	5.15	0.00205	PASS
					10	5.69	0.00227	PASS
					20	3.52	0.0014	PASS
					30	5.39	0.00215	PASS
					40	5.29	0.00211	PASS
					50	5.08	0.00203	PASS
			MCH	VN	-30	4.42	0.00174	PASS
					-20	4.63	0.00183	PASS
					-10	3.45	0.00136	PASS
					0	3.19	0.00126	PASS
					10	2.78	0.0011	PASS
					20	3.06	0.00121	PASS
					30	4.73	0.00187	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	4.11	0.00162	PASS
					50	3.88	0.00153	PASS
			HCH	VN	-30	1.49	0.00058	PASS
					-20	3.40	0.00133	PASS
					-10	1.75	0.00068	PASS
					0	2.75	0.00107	PASS
					10	4.22	0.00165	PASS
					20	3.06	0.00119	PASS
					30	3.86	0.00151	PASS
					40	1.14	0.00044	PASS
					50	3.79	0.00148	PASS
		20	LCH	VN	-30	-7.64	-0.00304	PASS
					-20	-7.11	-0.00283	PASS
					-10	-3.13	-0.00125	PASS
					0	-3.98	-0.00159	PASS
					10	-2.88	-0.00115	PASS
					20	-3.99	-0.00159	PASS
					30	-6.67	-0.00266	PASS
					40	-3.89	-0.00155	PASS
					50	-4.99	-0.00199	PASS
			MCH	VN	-30	2.72	0.00107	PASS
					-20	3.76	0.00148	PASS
					-10	1.09	0.00043	PASS
					0	5.11	0.00202	PASS
					10	5.31	0.00209	PASS
					20	1.23	0.00049	PASS
					30	3.05	0.0012	PASS
					40	2.15	0.00085	PASS
					50	3.68	0.00145	PASS
			HCH	VN	-30	0.41	0.00016	PASS
					-20	-1.42	-0.00055	PASS
					-10	0.20	0.00008	PASS
					0	-1.02	-0.0004	PASS
					10	-0.63	-0.00025	PASS
					20	0.07	0.00003	PASS
					30	0.01	0	PASS
					40	0.46	0.00018	PASS
					50	-0.03	-0.00001	PASS
	LTE/TM2	5	LCH	VN	-30	-0.19	-0.00008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	1.89	0.00076	PASS
					-10	0.49	0.0002	PASS
					0	-0.20	-0.00008	PASS
					10	2.25	0.0009	PASS
					20	3.56	0.00142	PASS
					30	1.79	0.00072	PASS
					40	-0.16	-0.00006	PASS
					50	0.09	0.00004	PASS
			MCH	VN	-30	9.97	0.00393	PASS
					-20	2.35	0.00093	PASS
					-10	2.72	0.00107	PASS
					0	1.80	0.00071	PASS
					10	3.16	0.00125	PASS
					20	1.26	0.0005	PASS
					30	4.73	0.00187	PASS
					40	3.65	0.00144	PASS
					50	3.72	0.00147	PASS
			HCH	VN	-30	6.64	0.00259	PASS
					-20	3.66	0.00143	PASS
					-10	2.16	0.00084	PASS
					0	2.68	0.00104	PASS
					10	2.32	0.0009	PASS
					20	4.35	0.00169	PASS
					30	1.53	0.0006	PASS
					40	7.10	0.00277	PASS
					50	3.98	0.00155	PASS
		10	LCH	VN	-30	5.36	0.00214	PASS
					-20	2.79	0.00111	PASS
					-10	6.75	0.00269	PASS
					0	3.56	0.00142	PASS
					10	2.96	0.00118	PASS
					20	5.64	0.00225	PASS
					30	6.45	0.00257	PASS
					40	12.33	0.00492	PASS
					50	5.15	0.00206	PASS
			MCH	VN	-30	5.36	0.00211	PASS
					-20	2.40	0.00095	PASS
					-10	0.54	0.00021	PASS
					0	1.83	0.00072	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.15	0.00085	PASS
					20	2.53	0.001	PASS
					30	1.34	0.00053	PASS
					40	-0.63	-0.00025	PASS
					50	-0.79	-0.00031	PASS
			HCH	VN	-30	1.14	0.00044	PASS
					-20	2.43	0.00095	PASS
					-10	3.69	0.00144	PASS
					0	3.10	0.00121	PASS
					10	4.21	0.00164	PASS
					20	0.89	0.00035	PASS
					30	-0.79	-0.00031	PASS
					40	1.62	0.00063	PASS
					50	0.72	0.00028	PASS
		15	LCH	VN	-30	3.81	0.00152	PASS
					-20	7.45	0.00297	PASS
					-10	4.05	0.00162	PASS
					0	2.99	0.00119	PASS
					10	2.30	0.00092	PASS
					20	2.95	0.00118	PASS
					30	3.59	0.00143	PASS
					40	4.53	0.00181	PASS
					50	1.93	0.00077	PASS
			MCH	VN	-30	5.06	0.002	PASS
					-20	3.46	0.00136	PASS
					-10	3.99	0.00157	PASS
					0	4.32	0.0017	PASS
					10	1.12	0.00044	PASS
					20	4.49	0.00177	PASS
					30	2.32	0.00092	PASS
					40	1.99	0.00079	PASS
					50	2.16	0.00085	PASS
			HCH	VN	-30	2.29	0.00089	PASS
					-20	4.94	0.00193	PASS
					-10	4.41	0.00172	PASS
					0	2.20	0.00086	PASS
					10	2.29	0.00089	PASS
					20	2.68	0.00105	PASS
					30	3.03	0.00118	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	3.05	0.00119	PASS
					50	1.90	0.00074	PASS
			LCH	VN	-30	-3.60	-0.00143	PASS
					-20	-1.06	-0.00042	PASS
					-10	-1.53	-0.00061	PASS
					0	0.97	0.00039	PASS
					10	-1.04	-0.00041	PASS
					20	-2.60	-0.00104	PASS
					30	-1.73	-0.00069	PASS
					40	-2.98	-0.00119	PASS
					50	2.60	0.00104	PASS
			MCH	VN	-30	2.79	0.0011	PASS
					-20	1.47	0.00058	PASS
					-10	0.89	0.00035	PASS
					0	2.33	0.00092	PASS
					10	2.57	0.00101	PASS
					20	2.29	0.0009	PASS
					30	2.63	0.00104	PASS
					40	2.86	0.00113	PASS
					50	2.50	0.00099	PASS
			HCH	VN	-30	0.20	0.00008	PASS
					-20	1.19	0.00046	PASS
					-10	0.23	0.00009	PASS
					0	0.24	0.00009	PASS
					10	-0.53	-0.00021	PASS
					20	0.66	0.00026	PASS
					30	0.87	0.00034	PASS
					40	0.53	0.00021	PASS
					50	0.31	0.00012	PASS

END