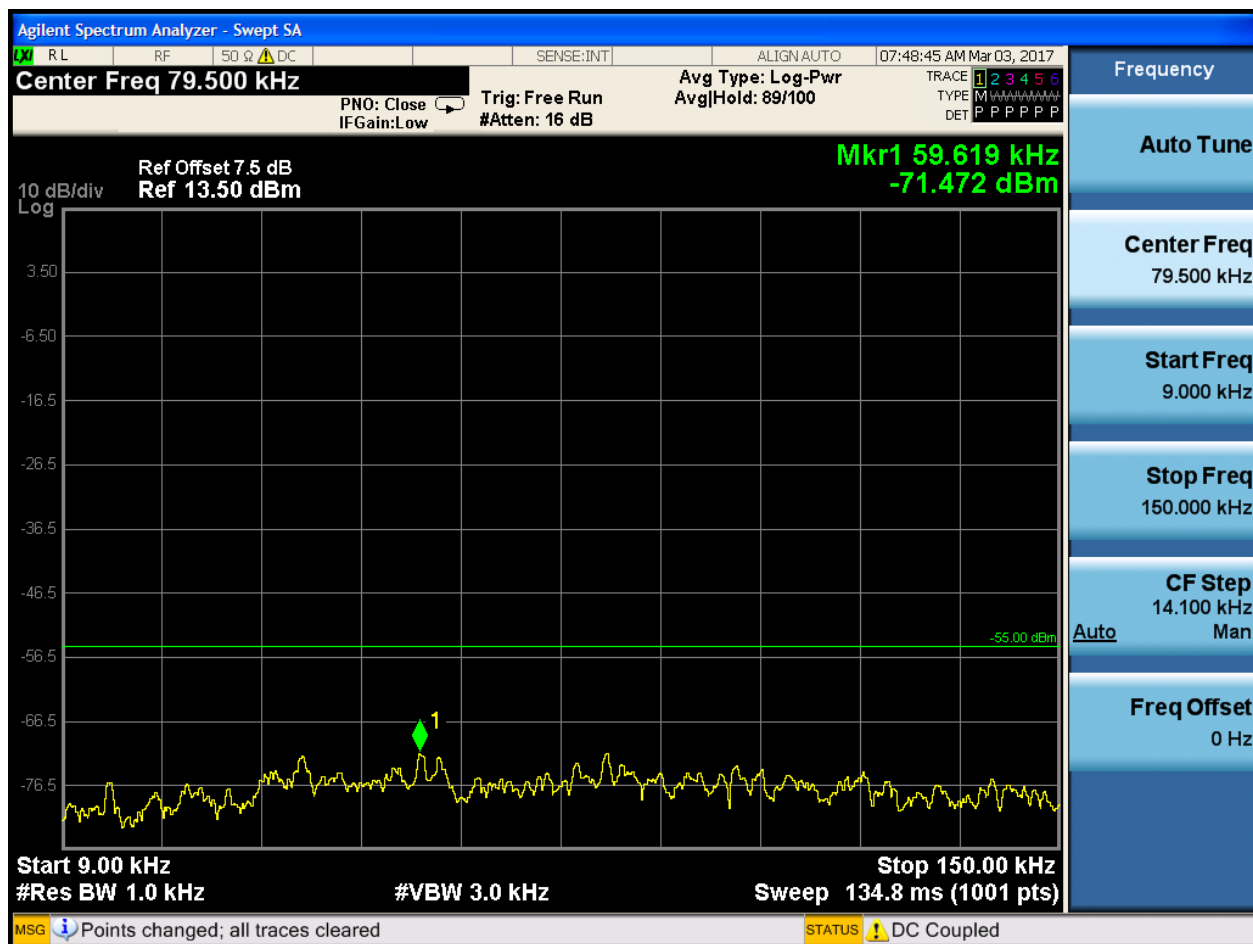
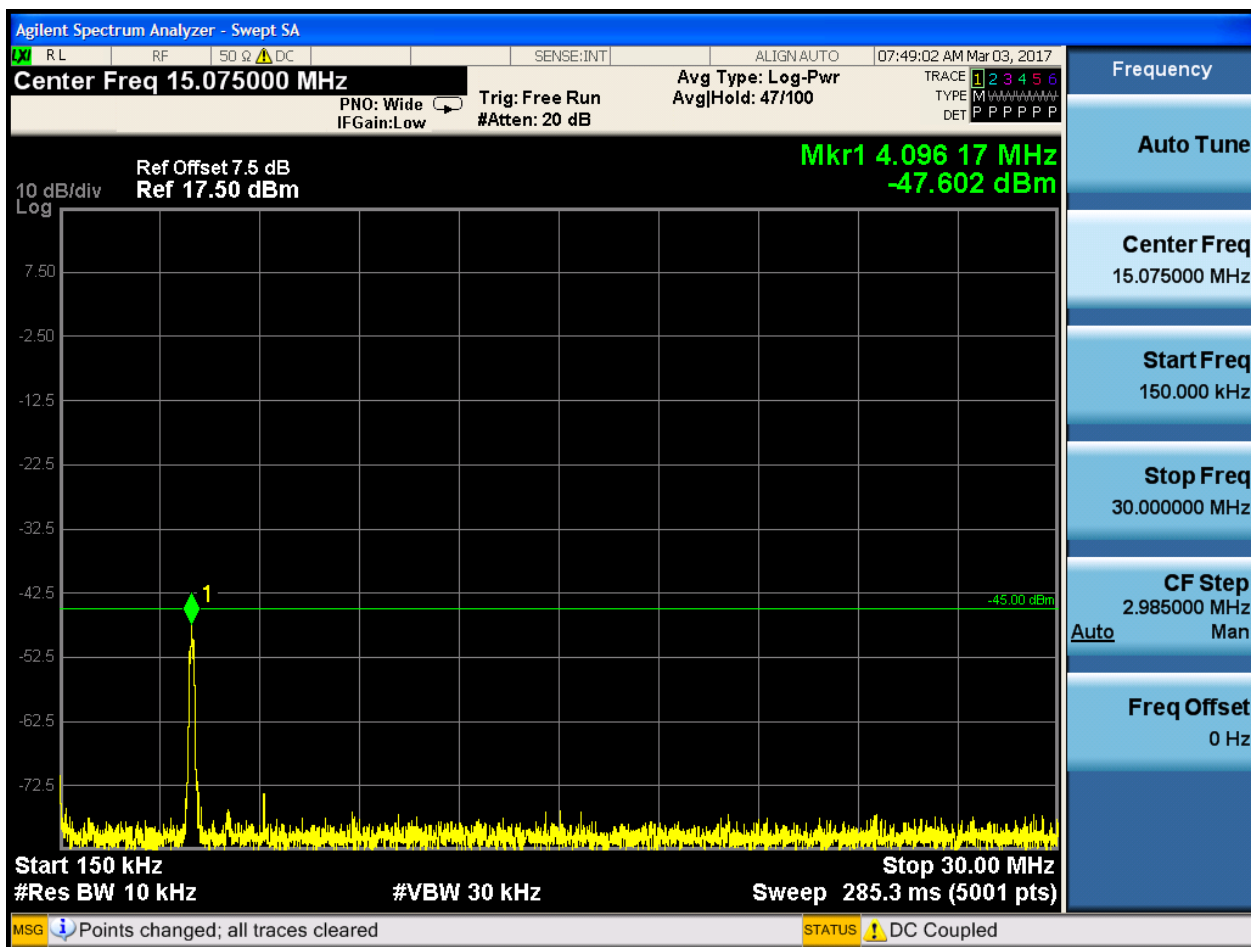
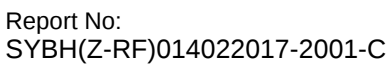


6.1.1.1..1.3 Test Channel = HCH

6.1.1.1..1.3.1 Test RB = RB1#0





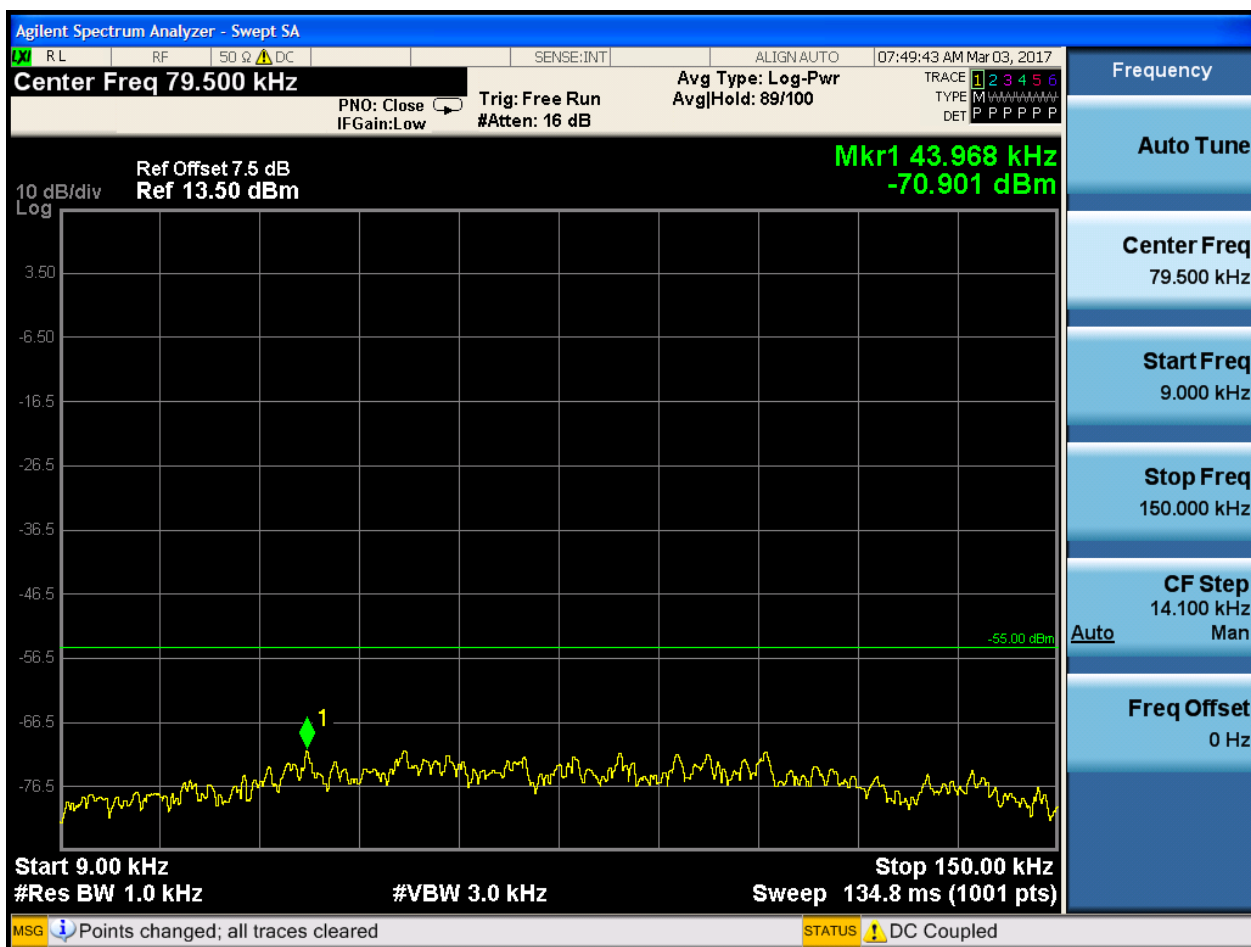


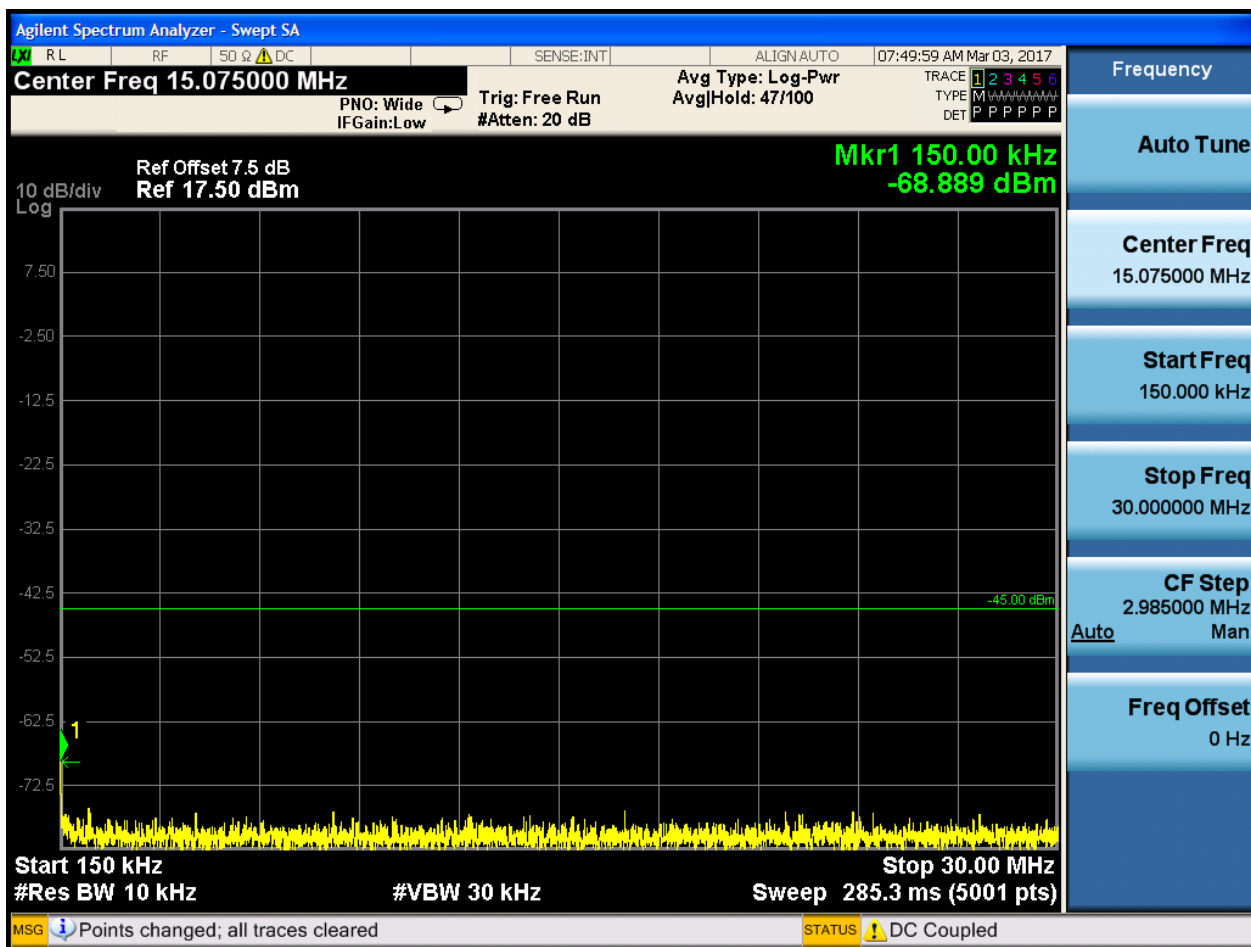


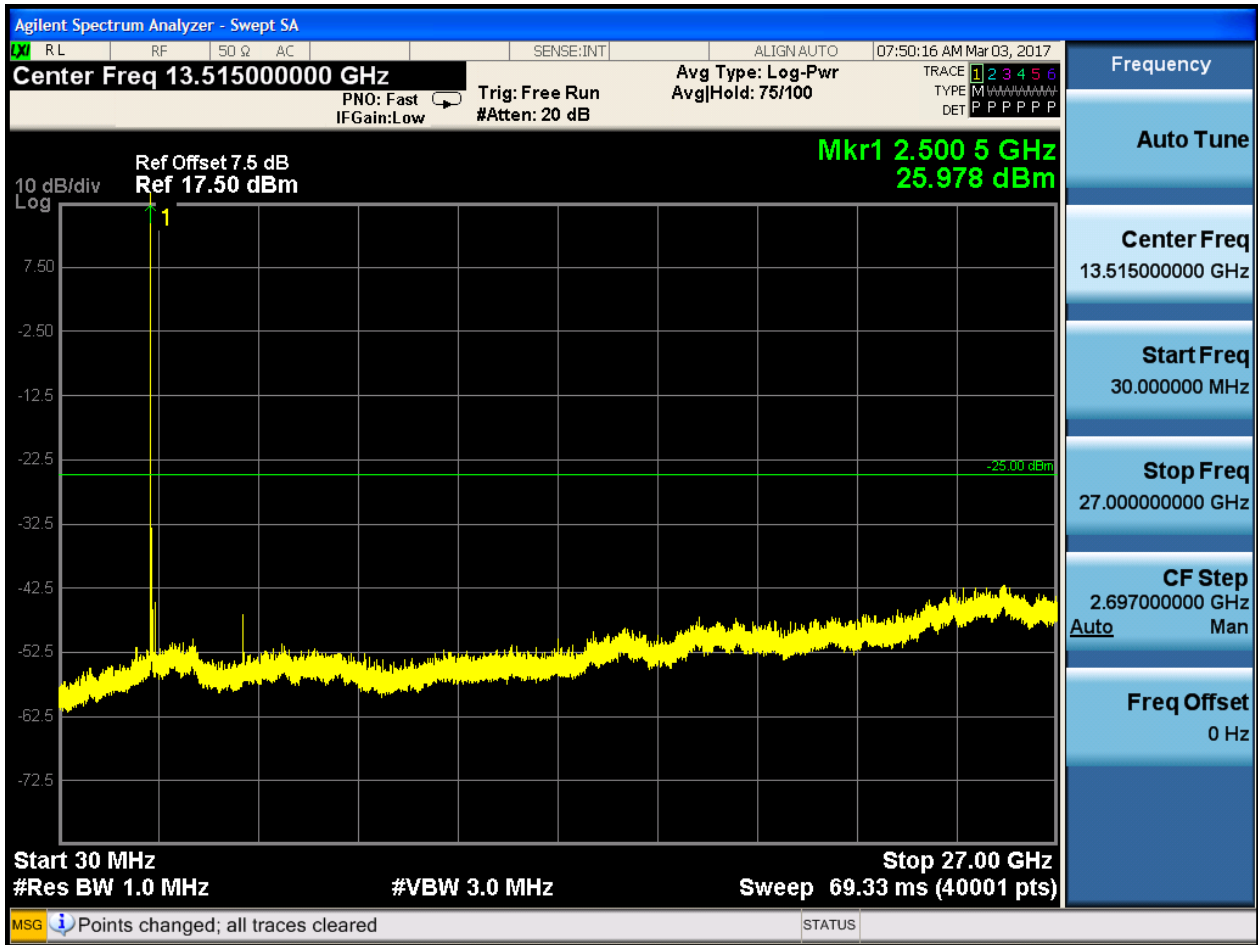
6.1.1.1..2 Test Bandwidth = 10

6.1.1.1..2.1 Test Channel = LCH

6.1.1.1..2.1.1 Test RB = RB1#0

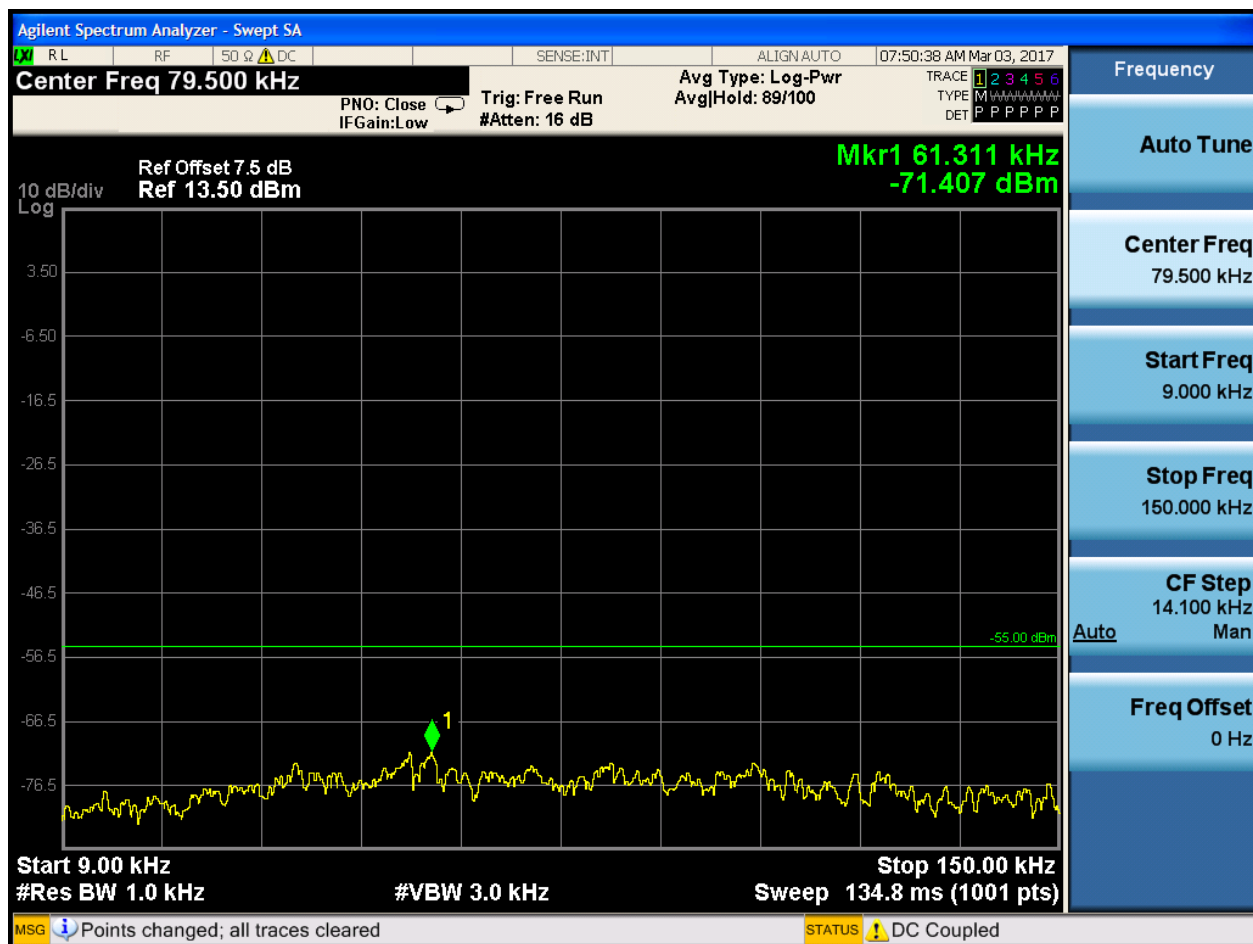


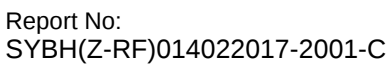




6.1.1.1..2.2 Test Channel = MCH

6.1.1.1..2.2.1 Test RB = RB1#0

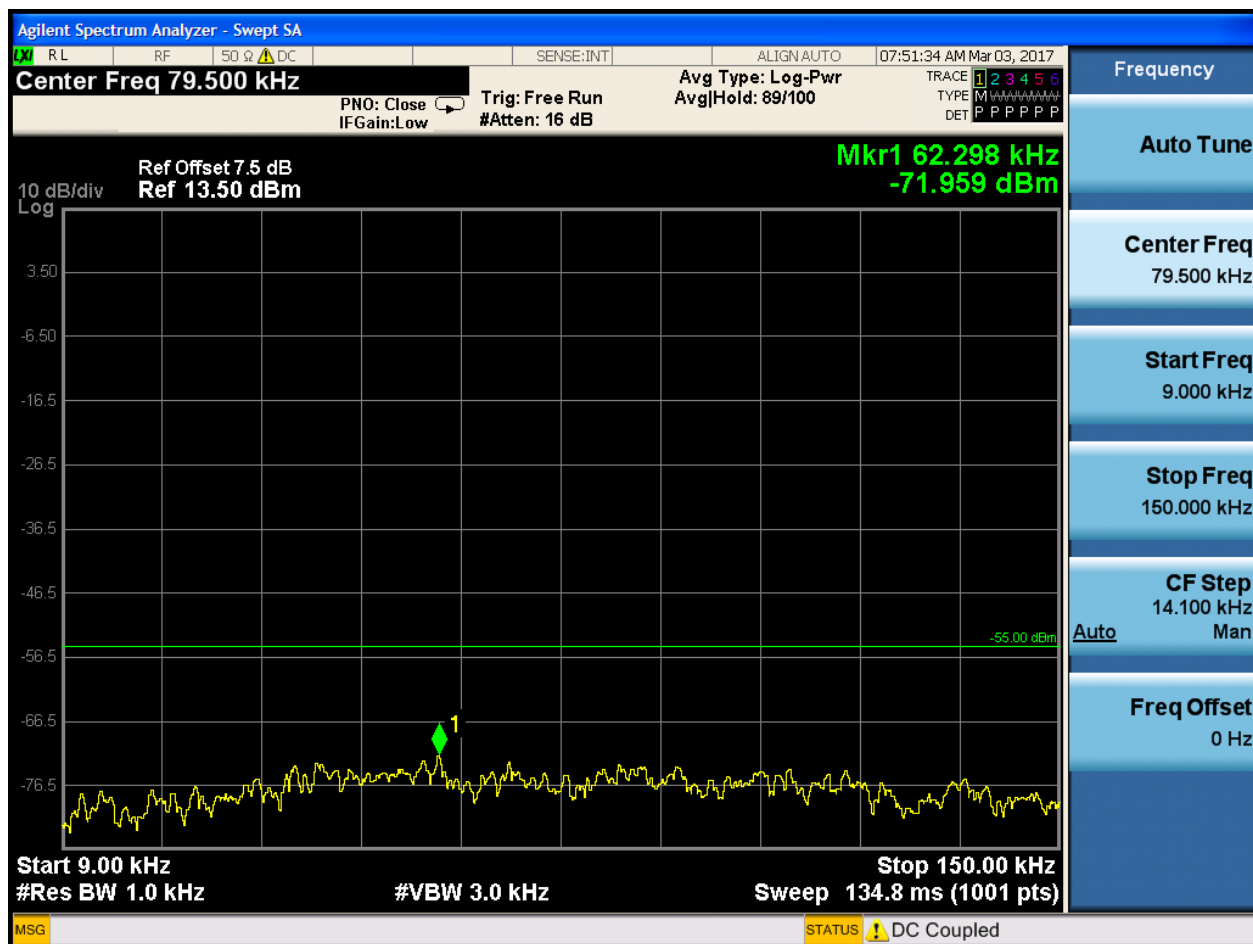


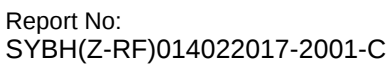


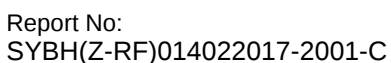


6.1.1.1..2.3 Test Channel = HCH

6.1.1.1..2.3.1 Test RB = RB1#0



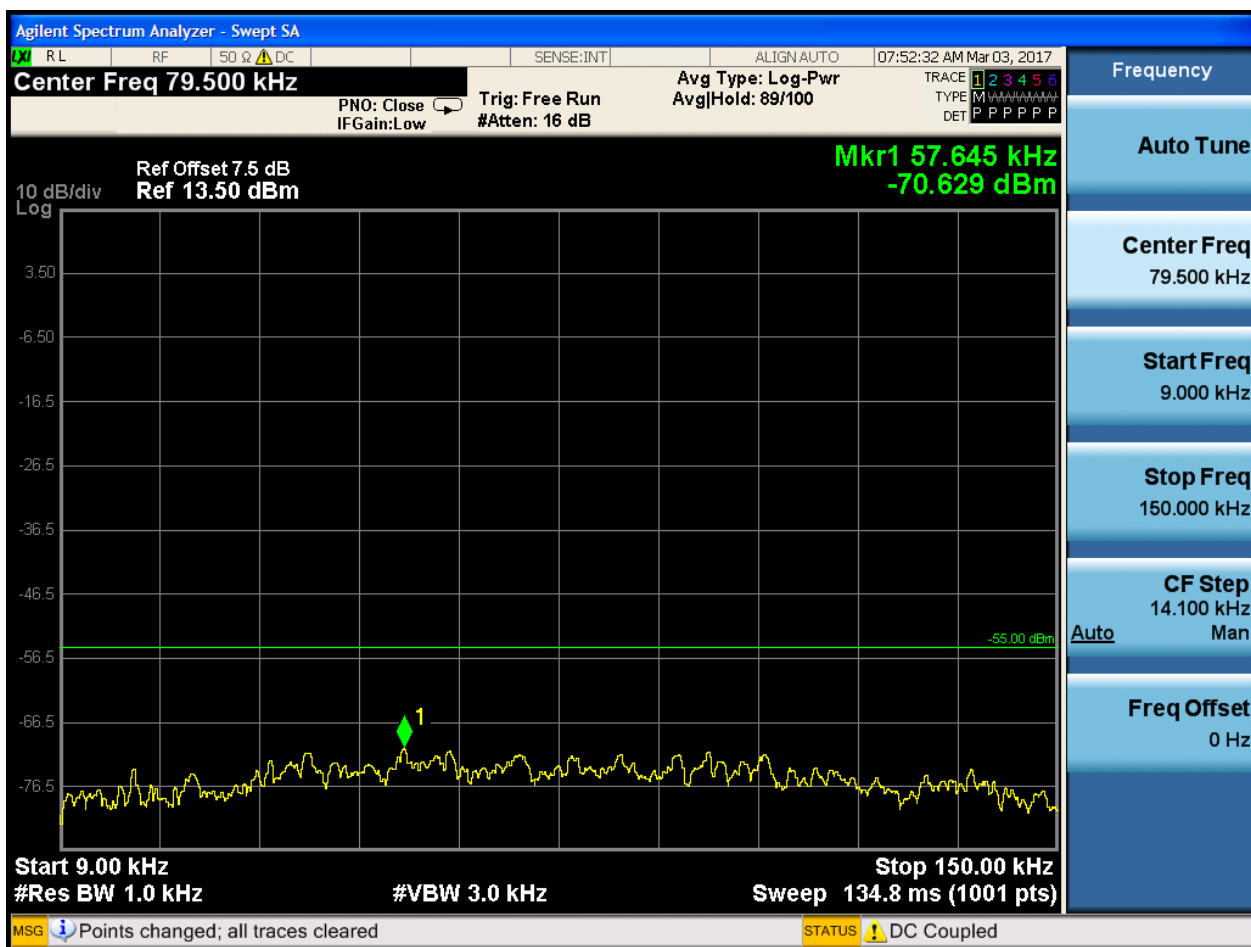


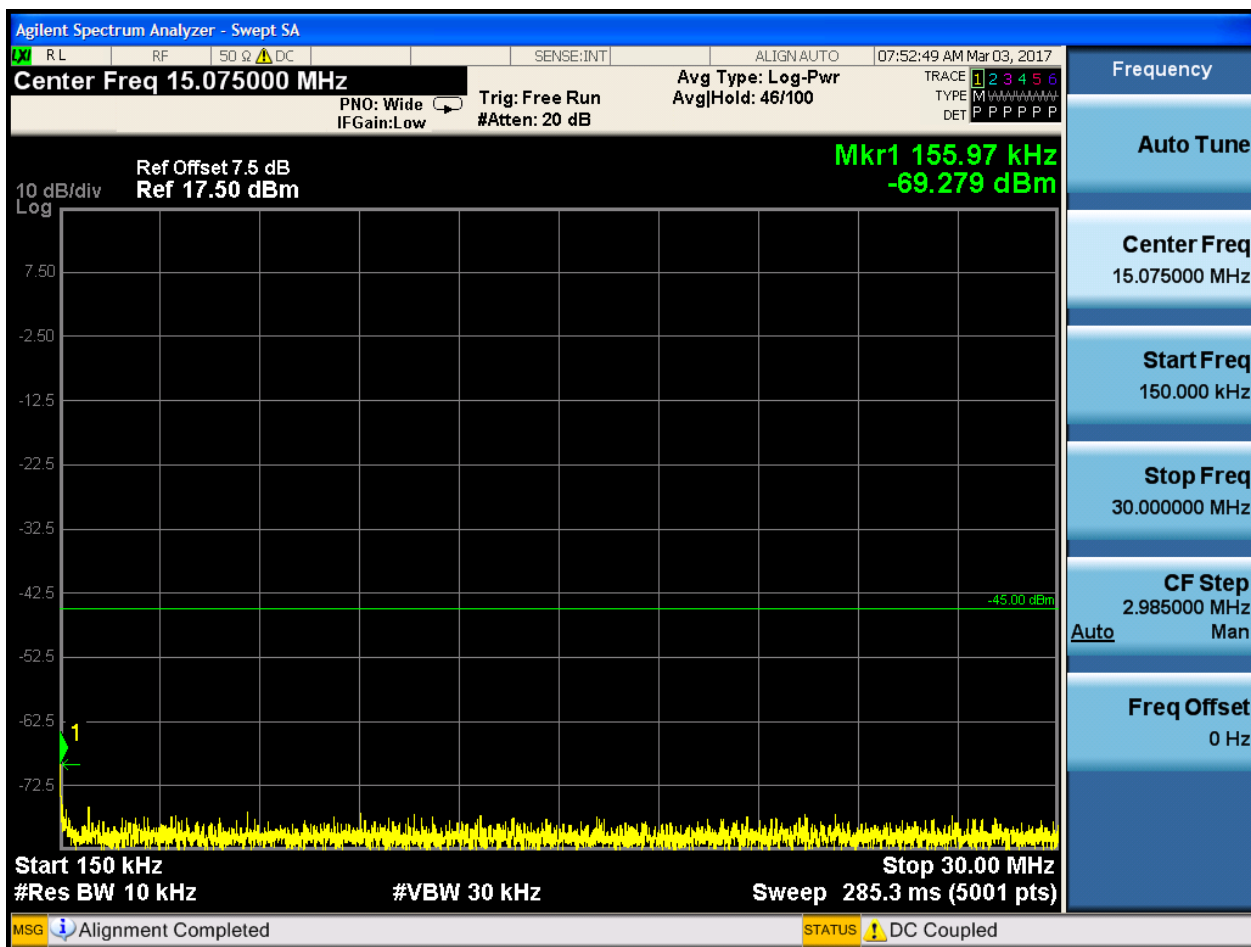


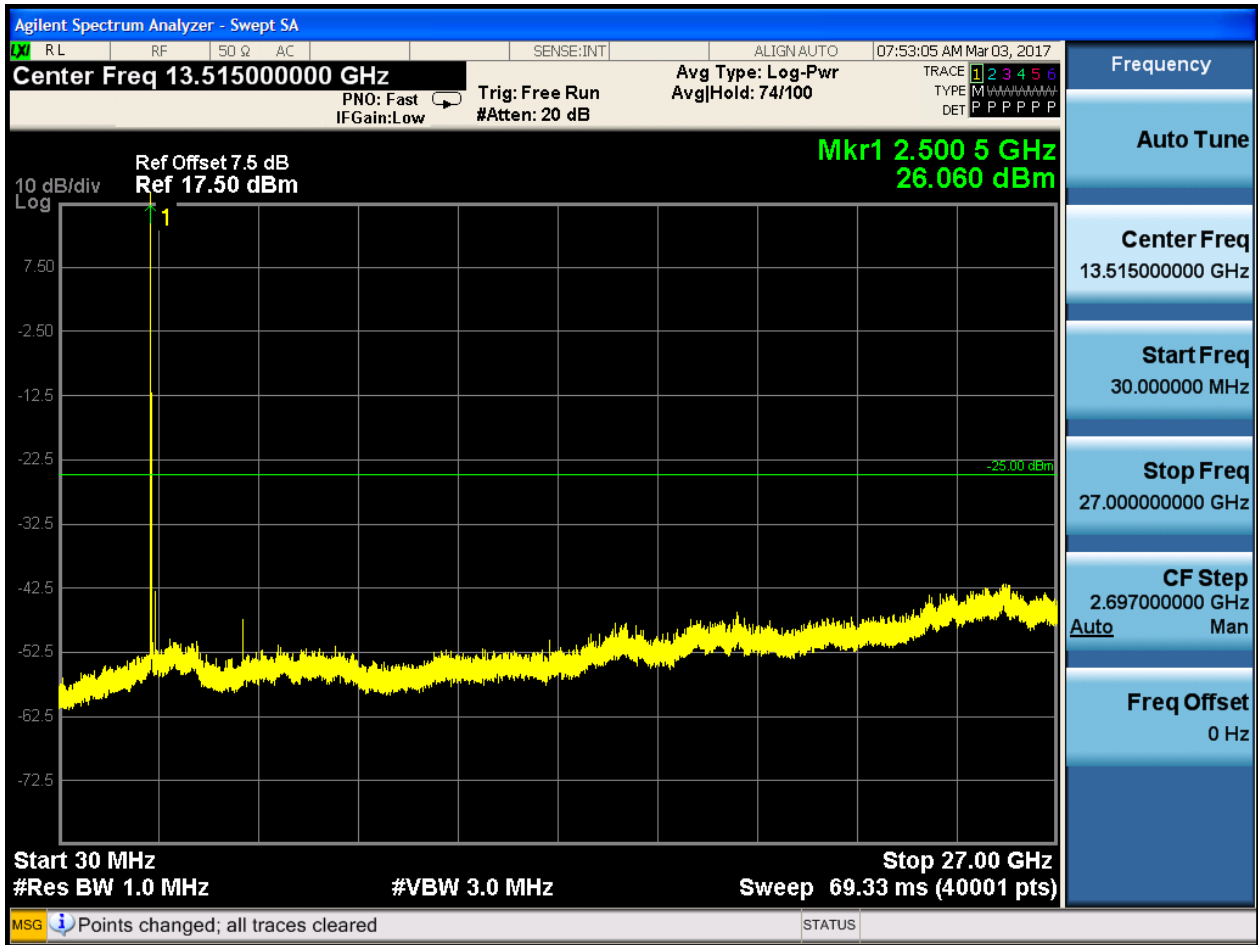
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



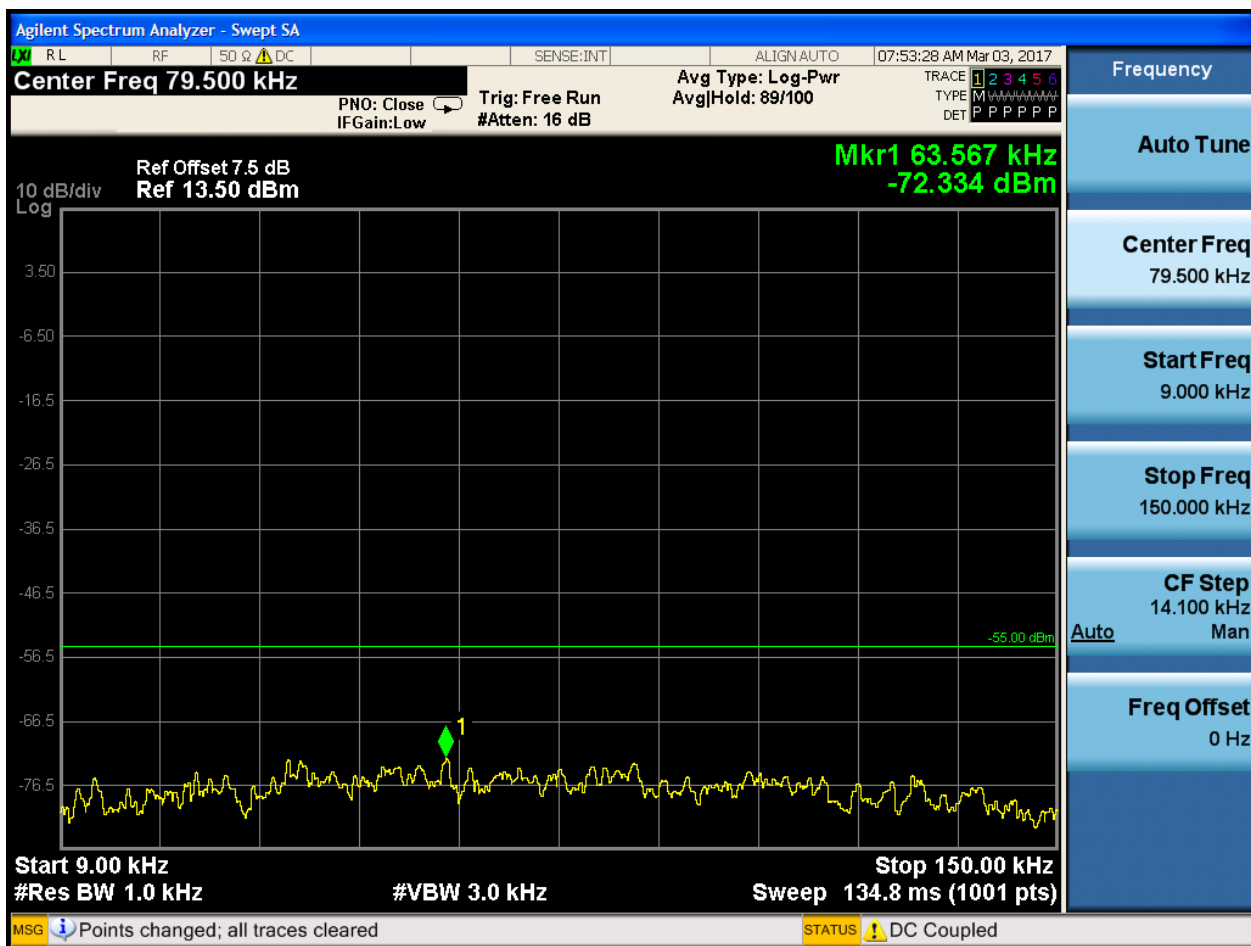


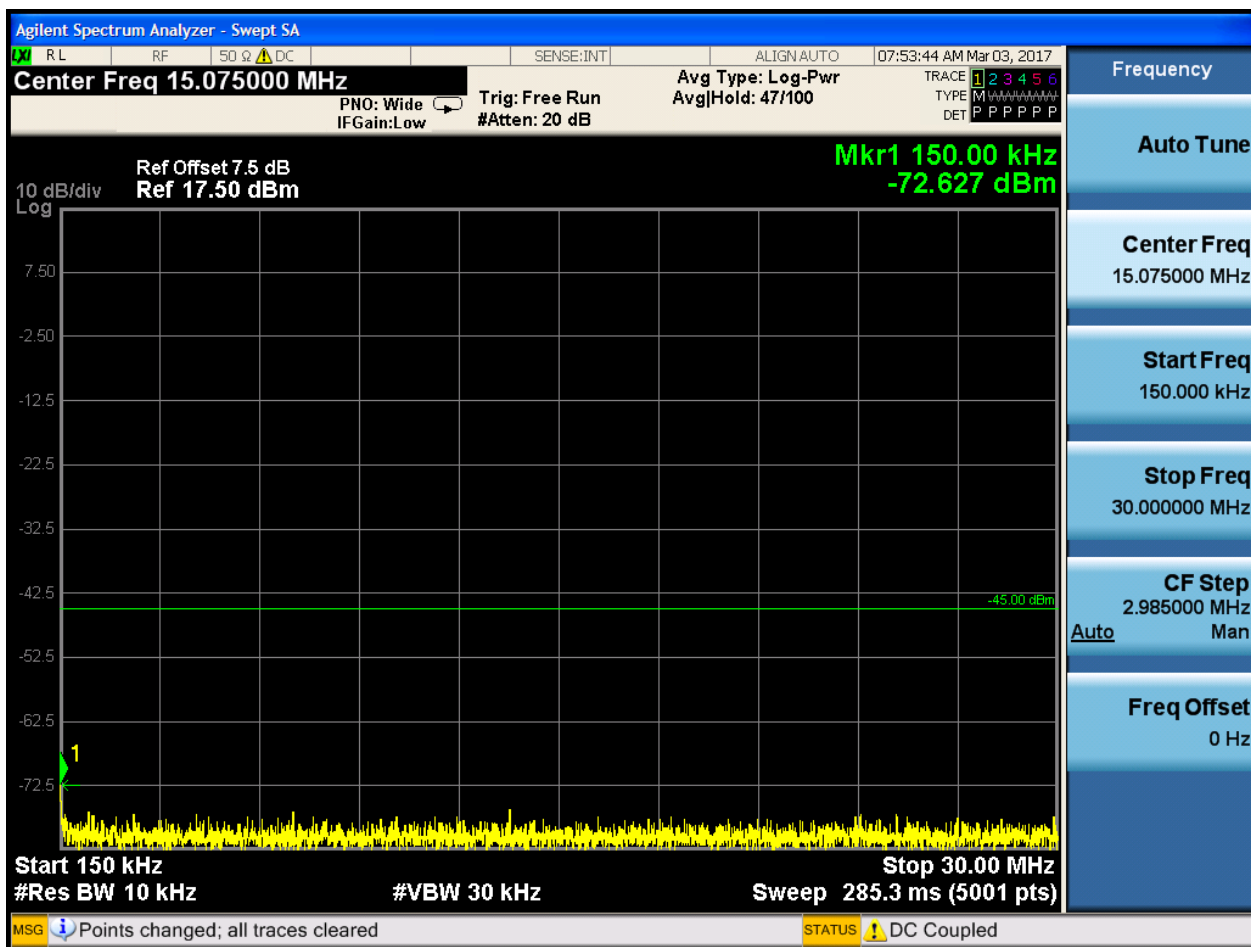


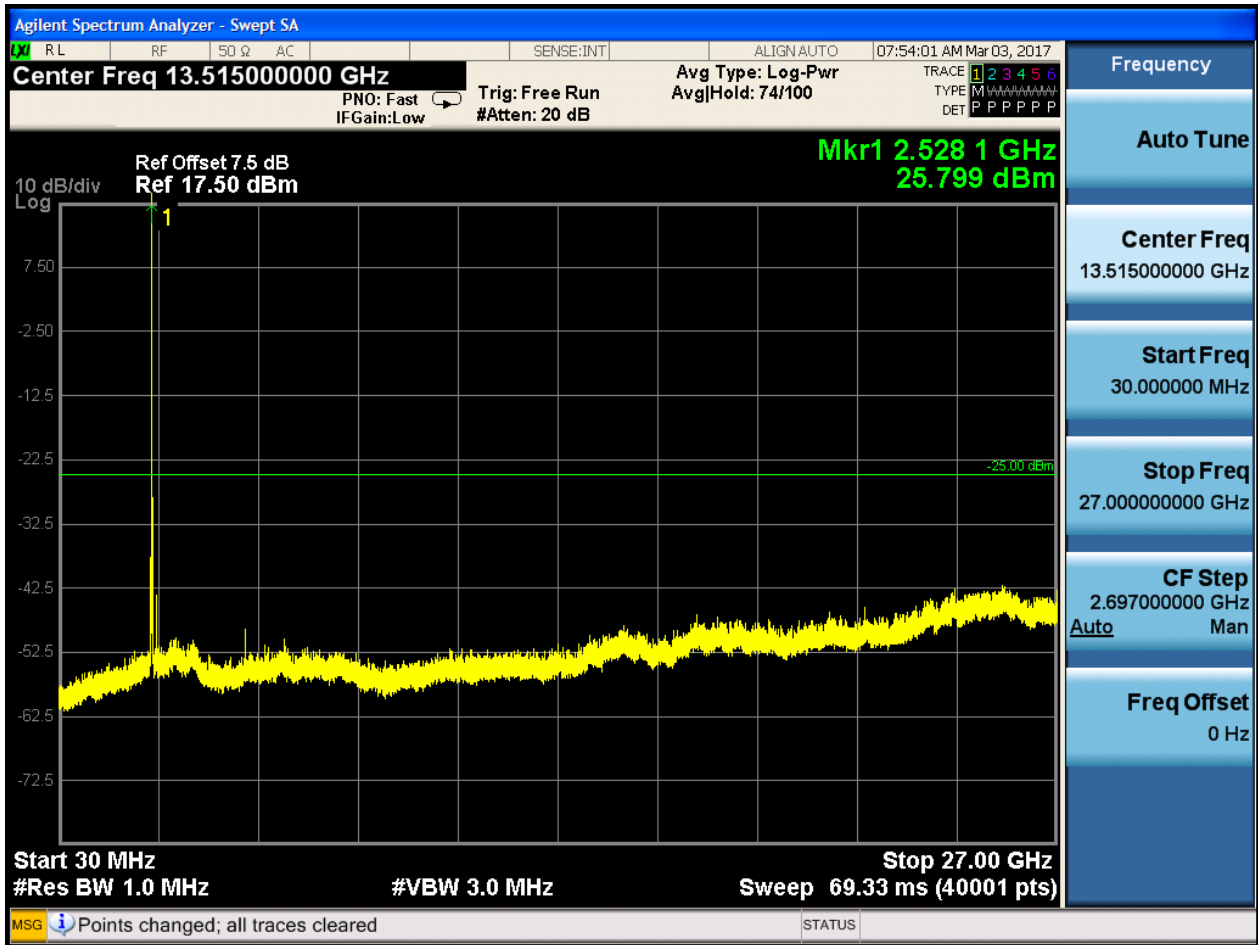


6.1.1.1..3.2 Test Channel = MCH

6.1.1.1..3.2.1 Test RB = RB1#0



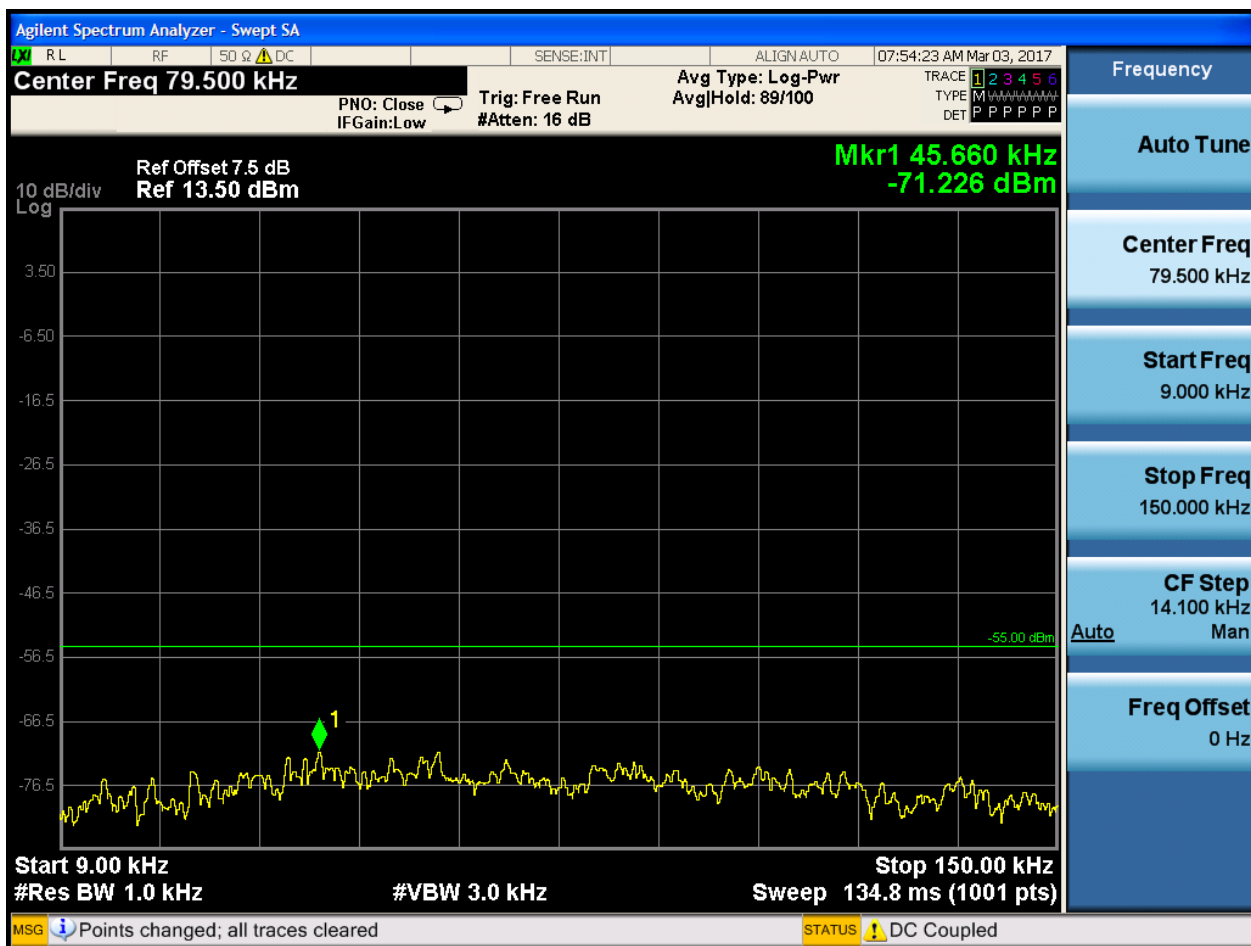


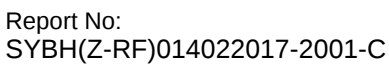


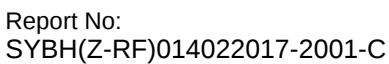


6.1.1.1..3.3 Test Channel = HCH

6.1.1.1..3.3.1 Test RB = RB1#0

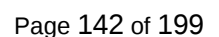


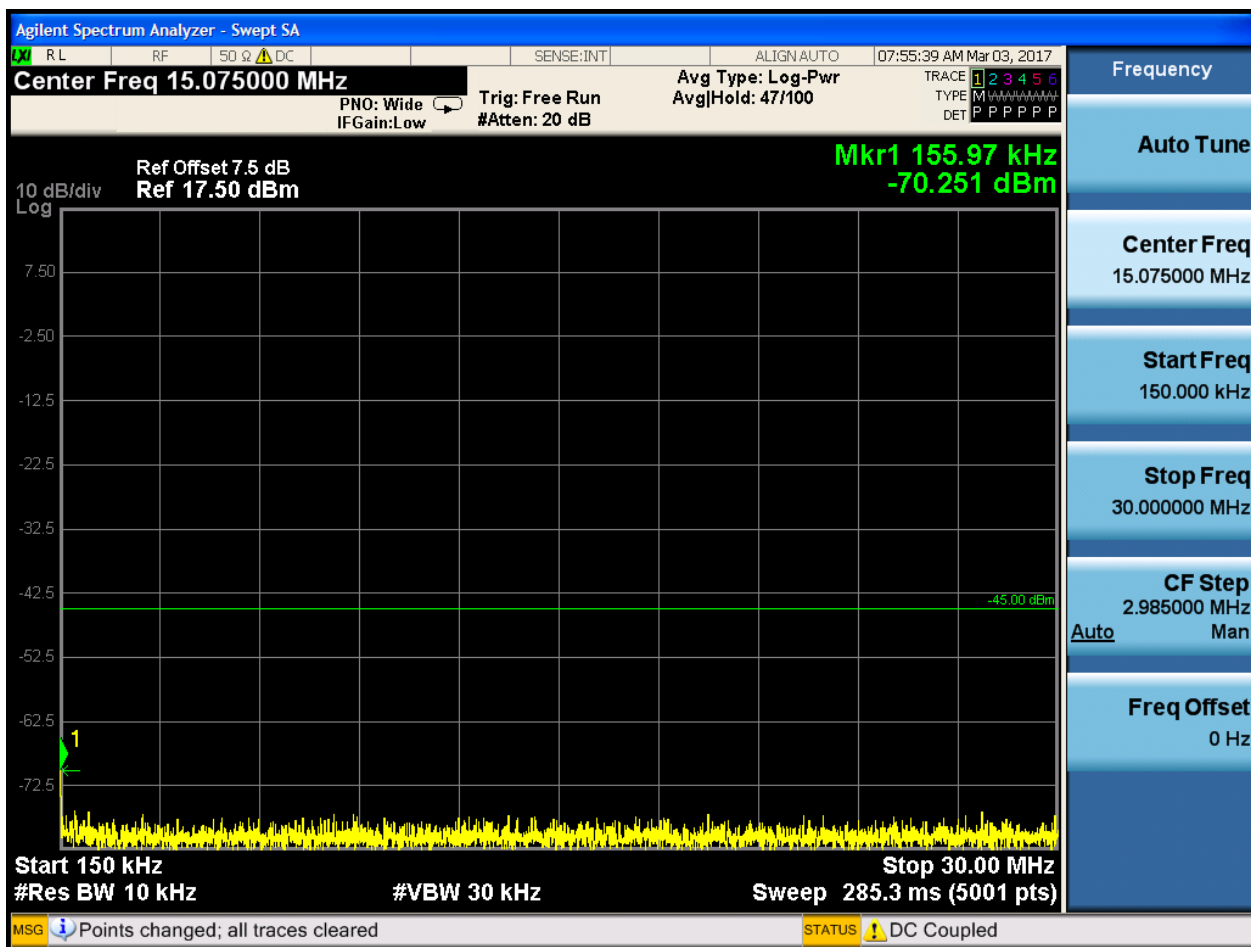


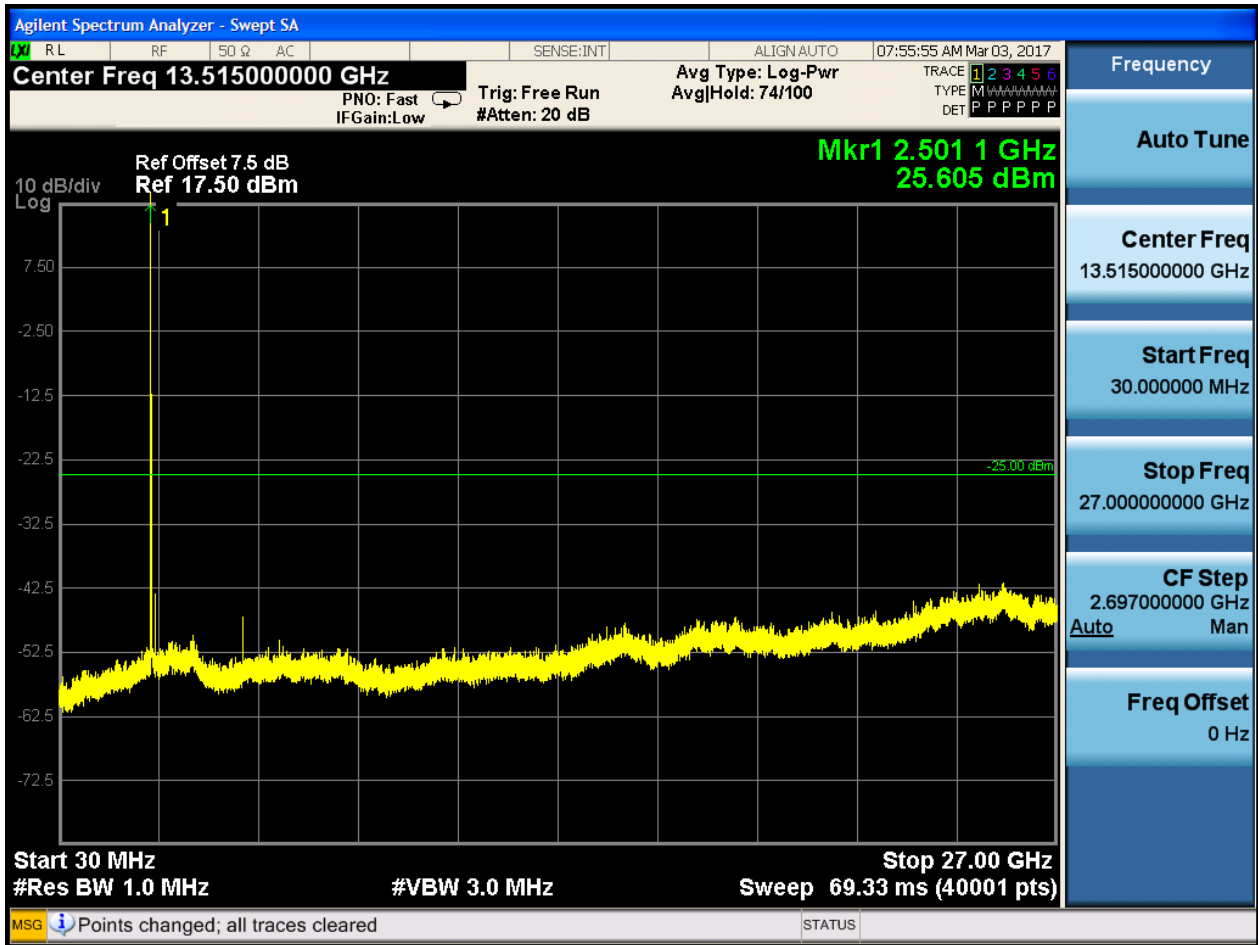




6.1.1.1..4.1.1 Test RB = RB1#0

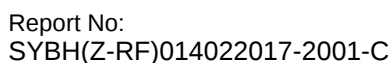




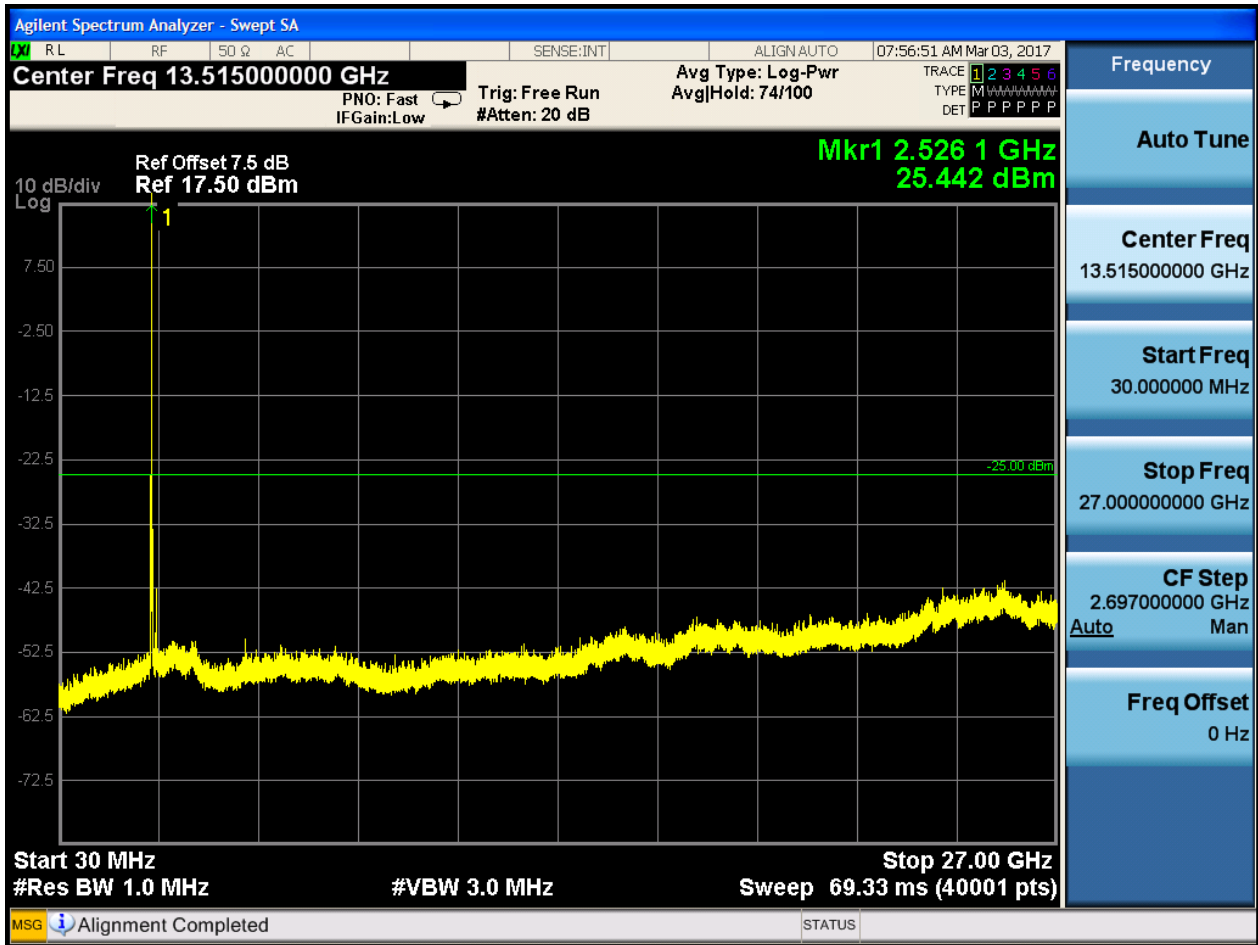




6.1.1.1..4.2.1 Test RB = RB1#0

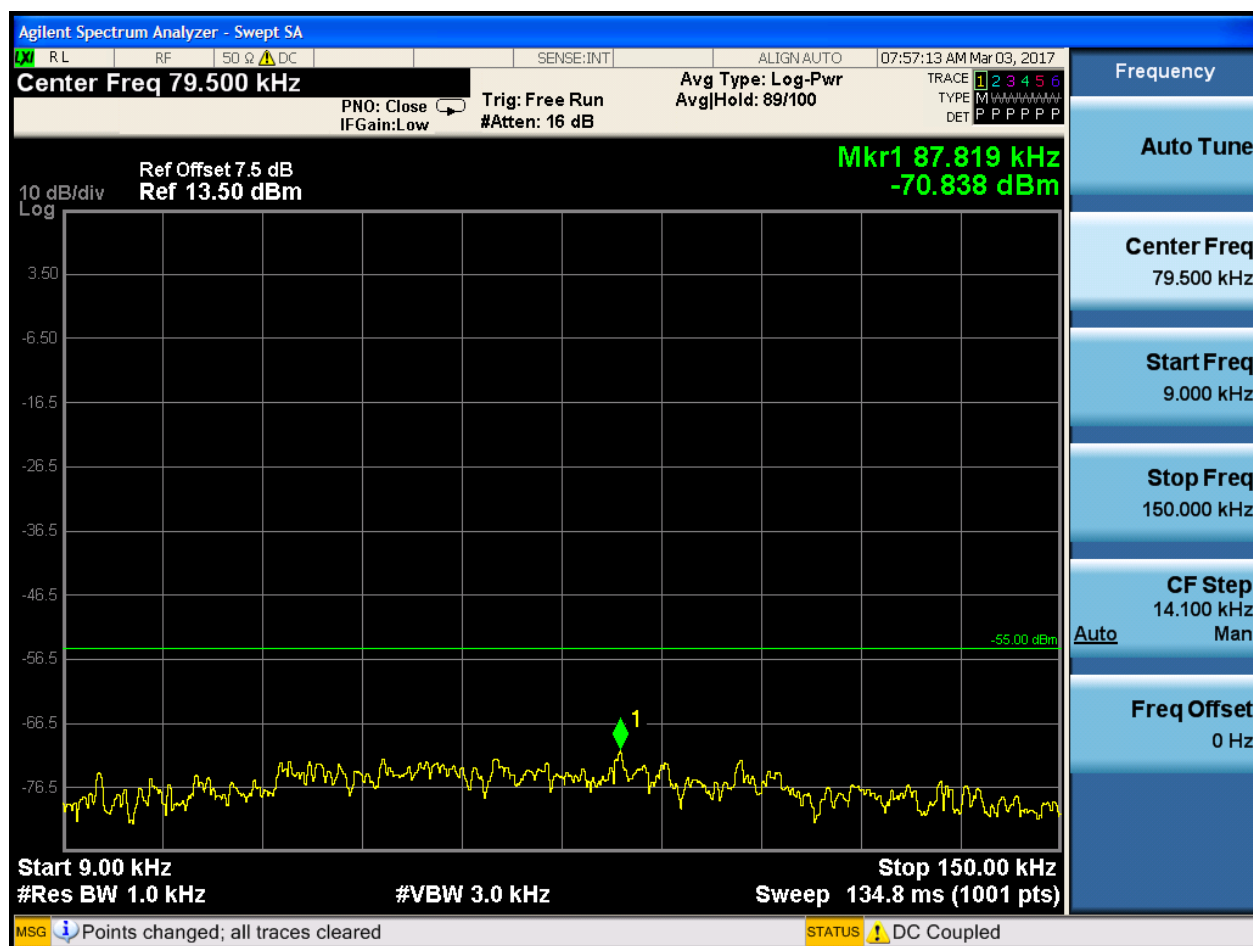


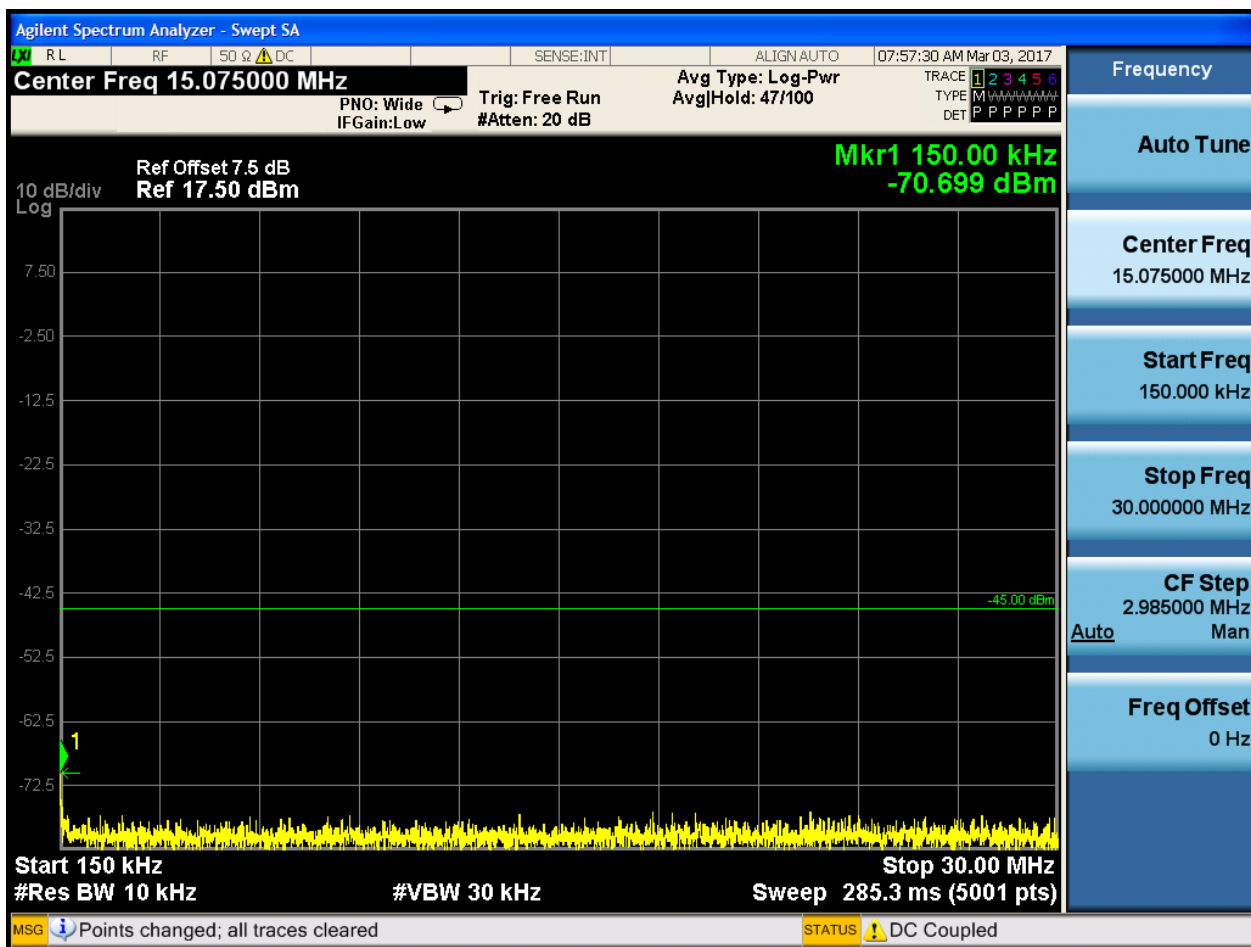


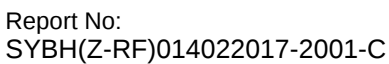


6.1.1.1..4.3 Test Channel = HCH

6.1.1.1..4.3.1 Test RB = RB1#0







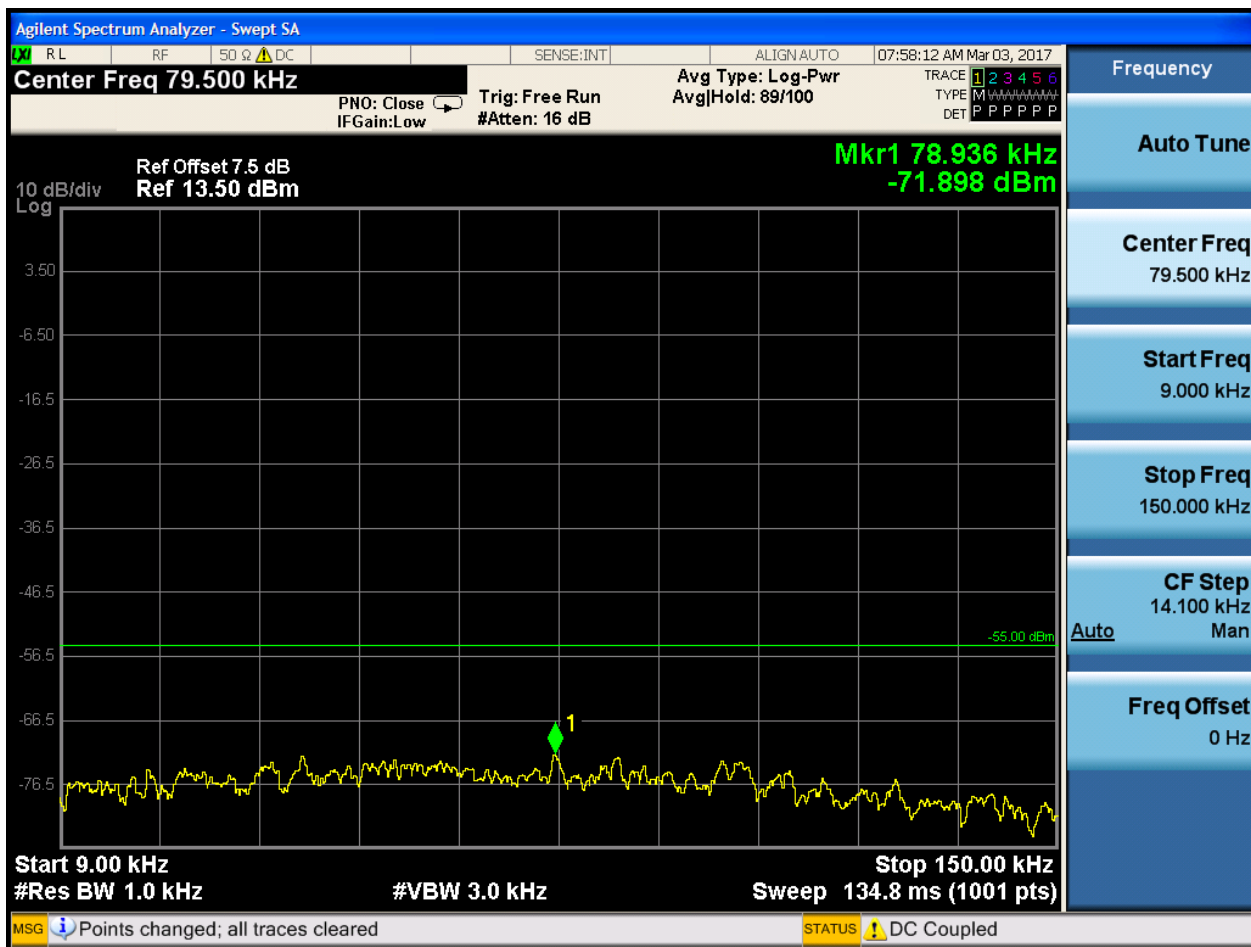


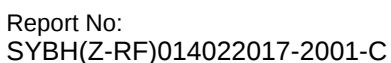
6.1.2.2 Test Mode = LTE/TM2

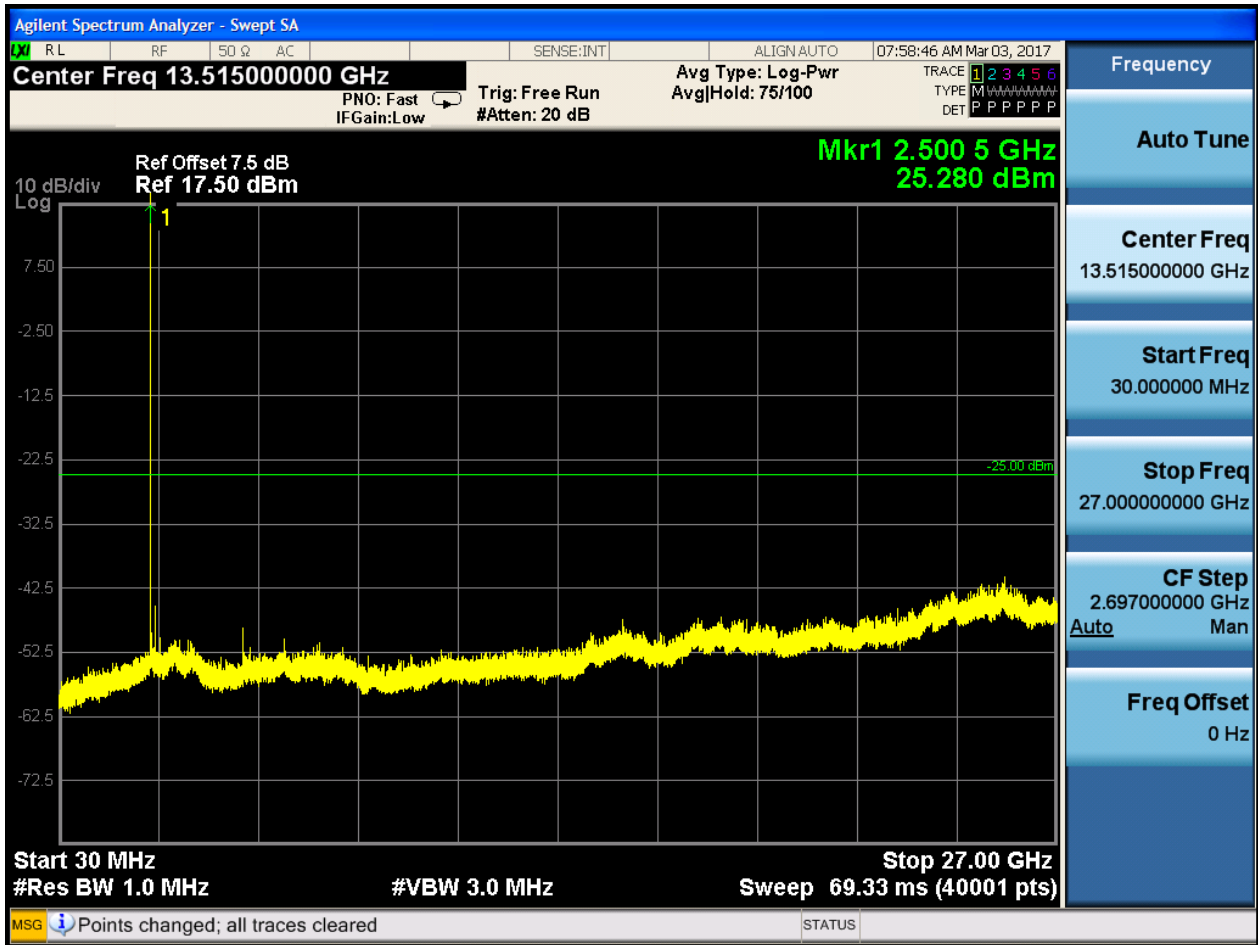
6.1.2.2.1 Test Bandwidth = 5

6.1.2.2.1.1 Test Channel = LCH

6.1.2.2.1.1.1 Test RB = RB1#0

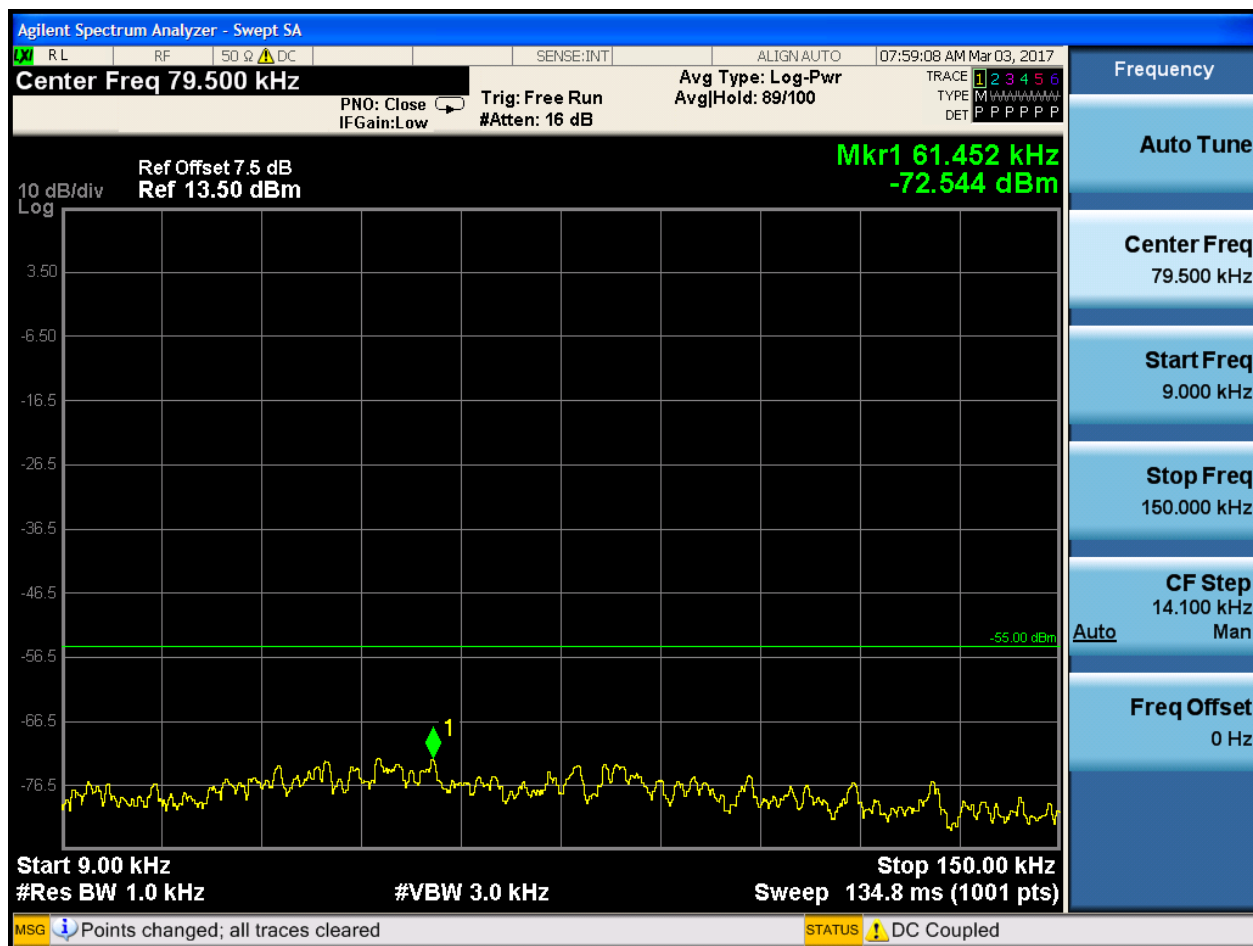


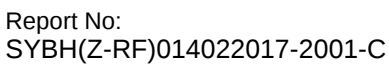


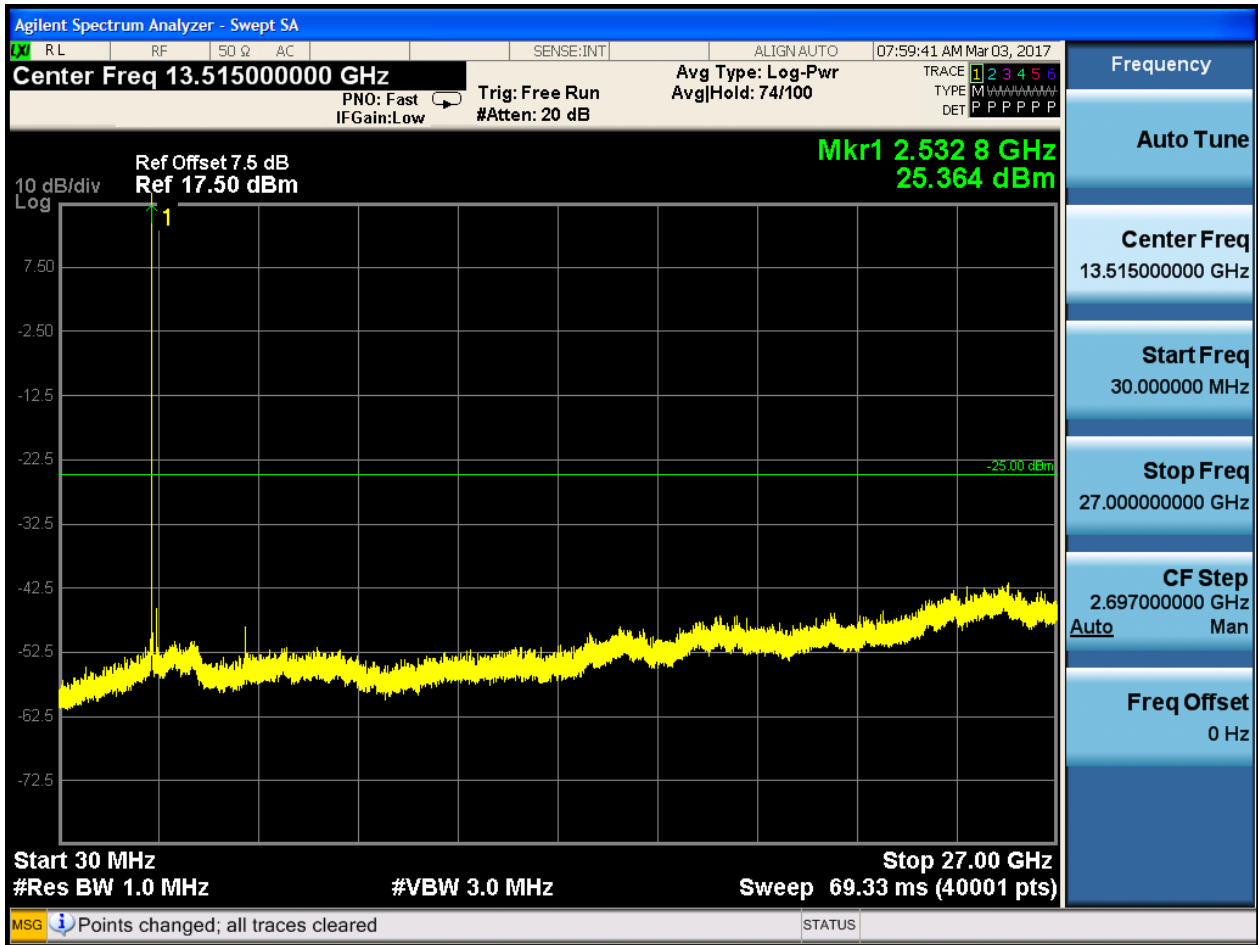


6.1.2.2.1.2 Test Channel = MCH

6.1.2.2.1.2.1 Test RB = RB1#0

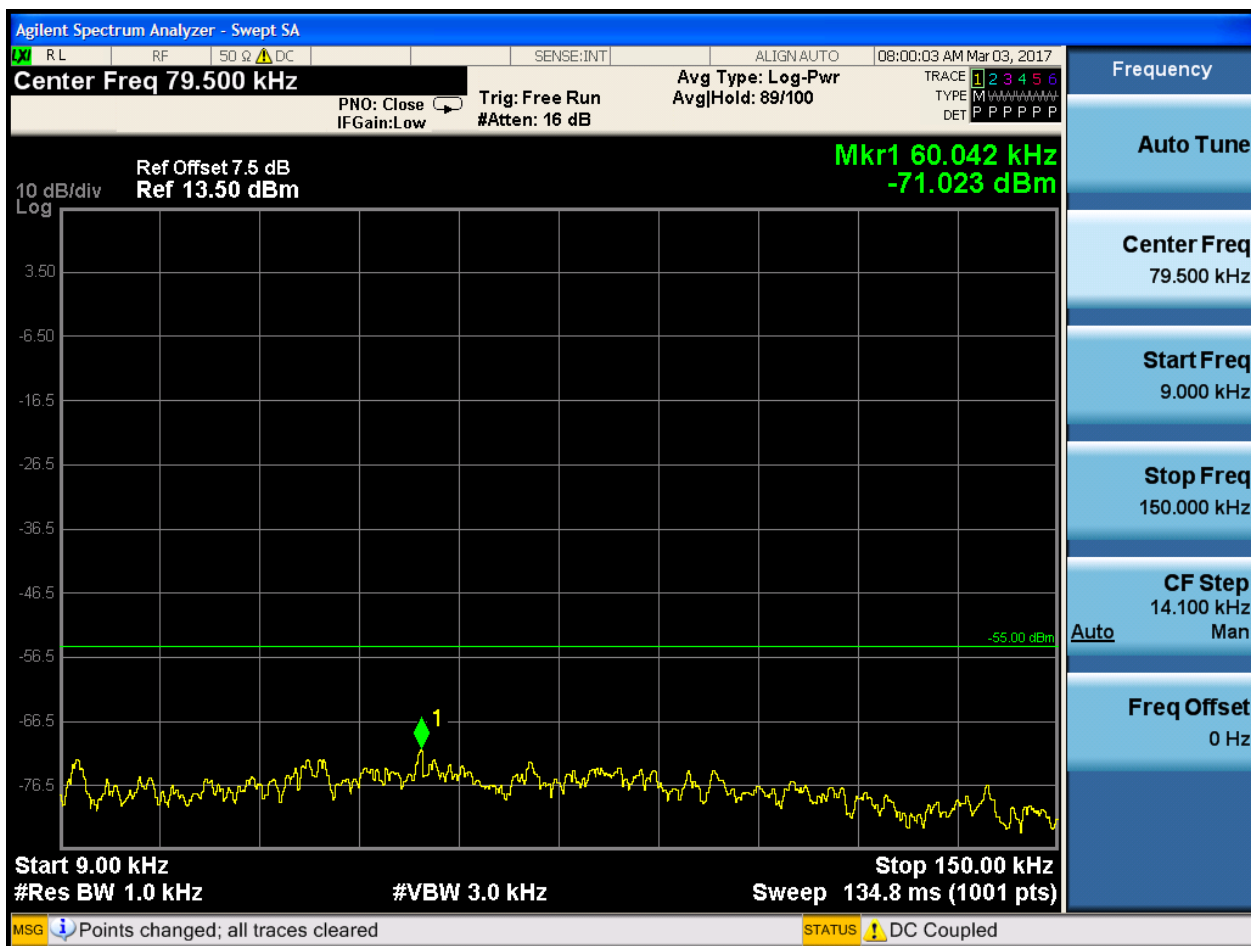


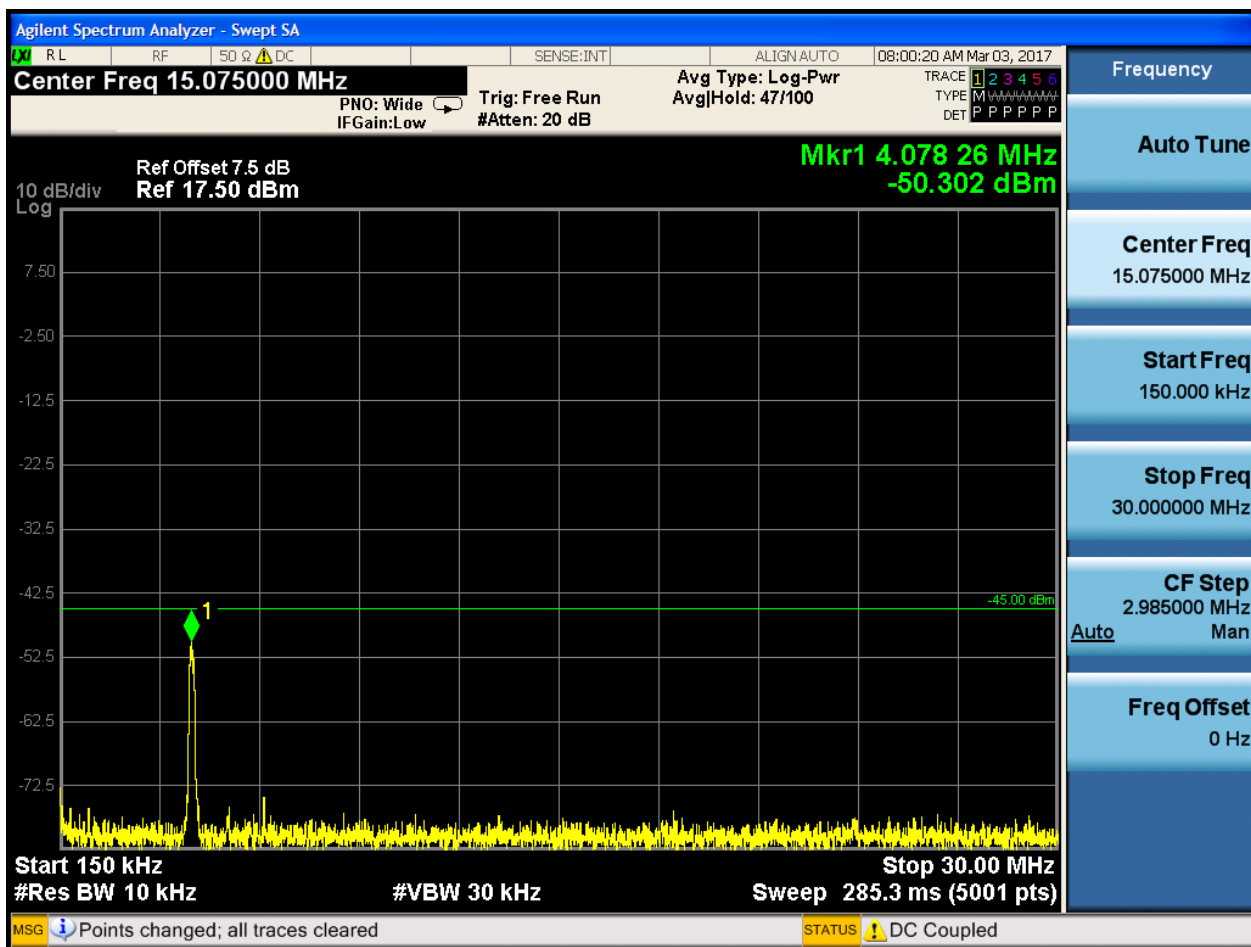


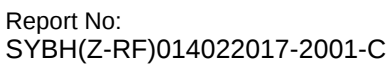


6.1.2.2.1.3 Test Channel = HCH

6.1.2.2.1.3.1 Test RB = RB1#0



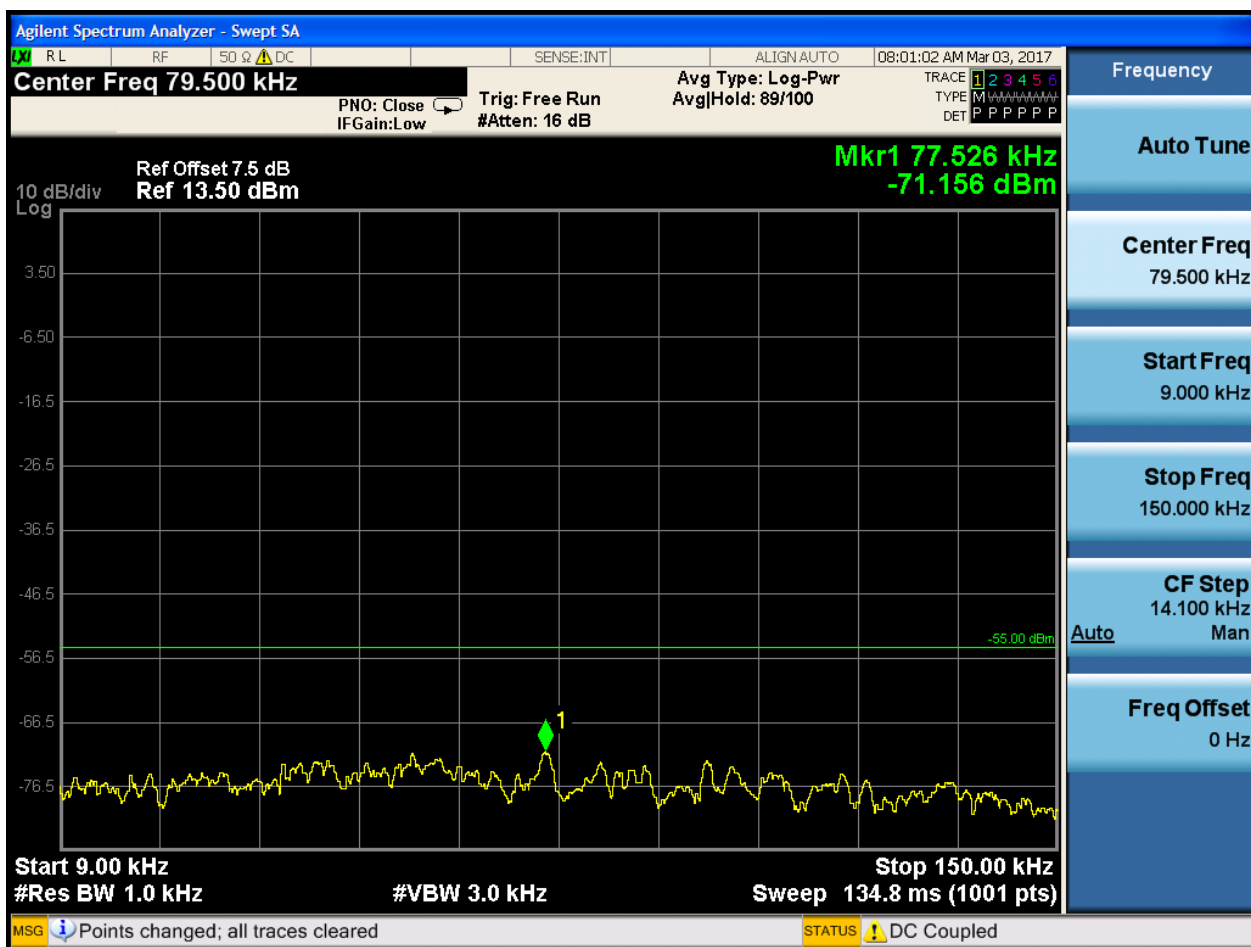


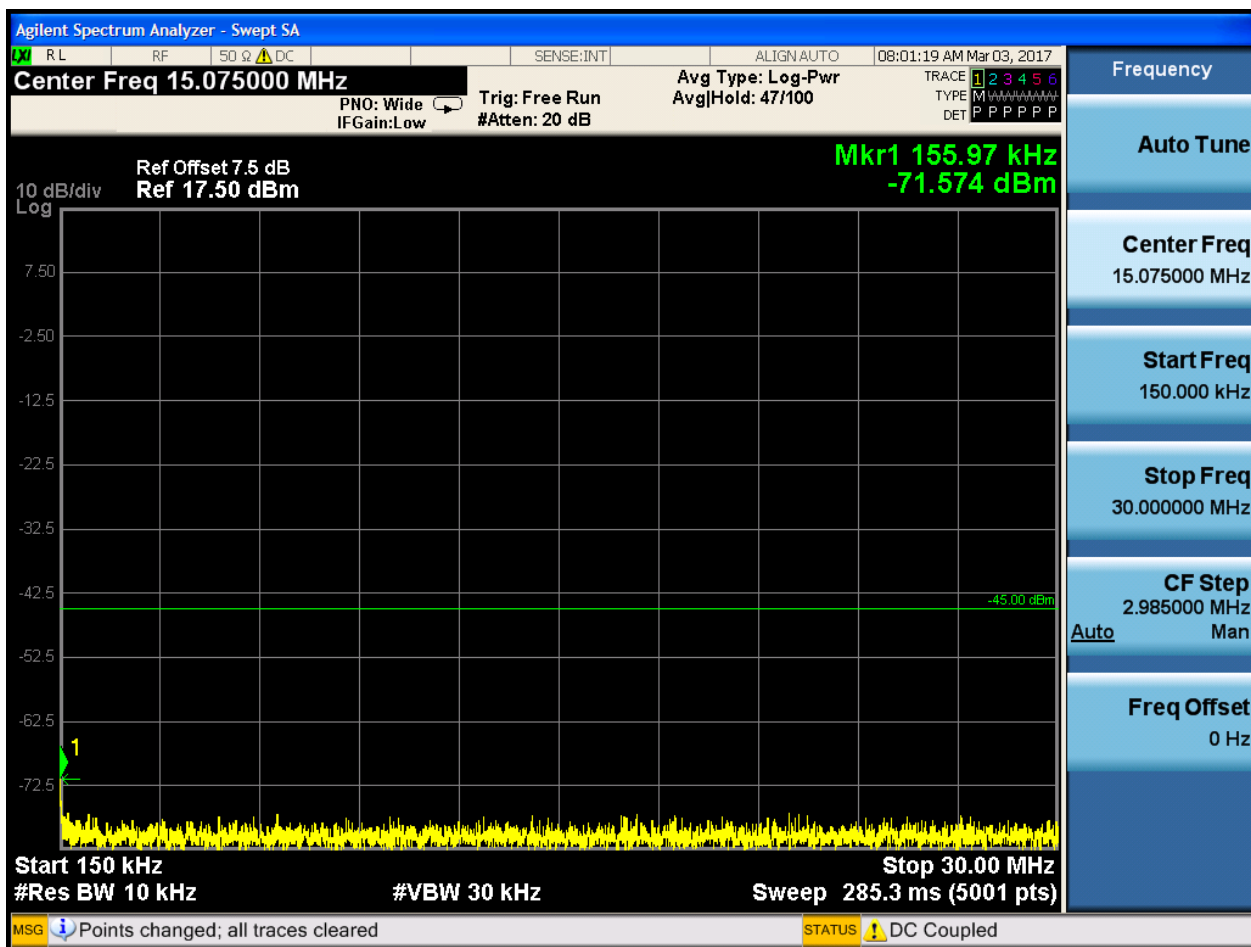


6.1.2.2.2 Test Bandwidth = 10

6.1.2.2.2.1 Test Channel = LCH

6.1.2.2.2.1.1 Test RB = RB1#0



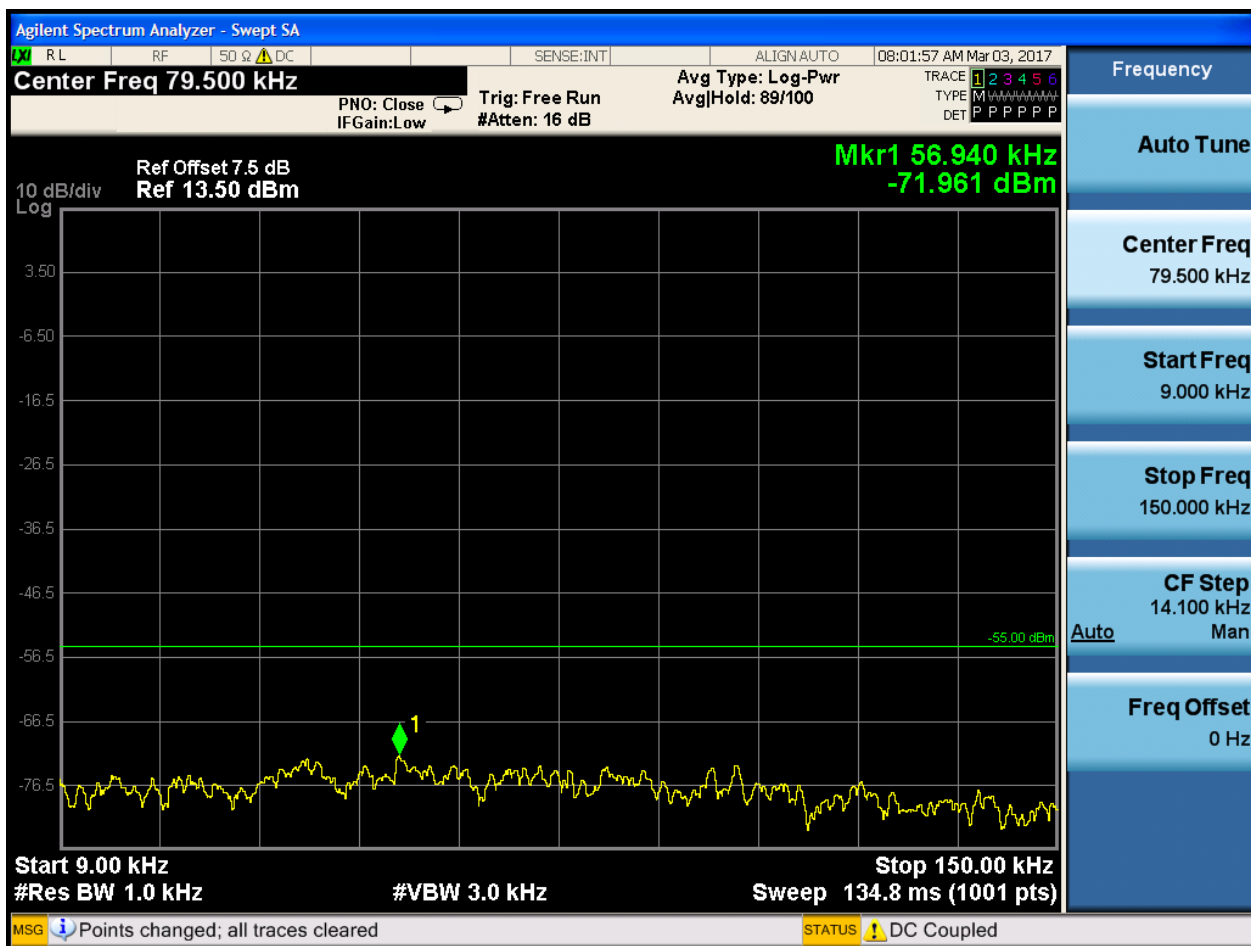


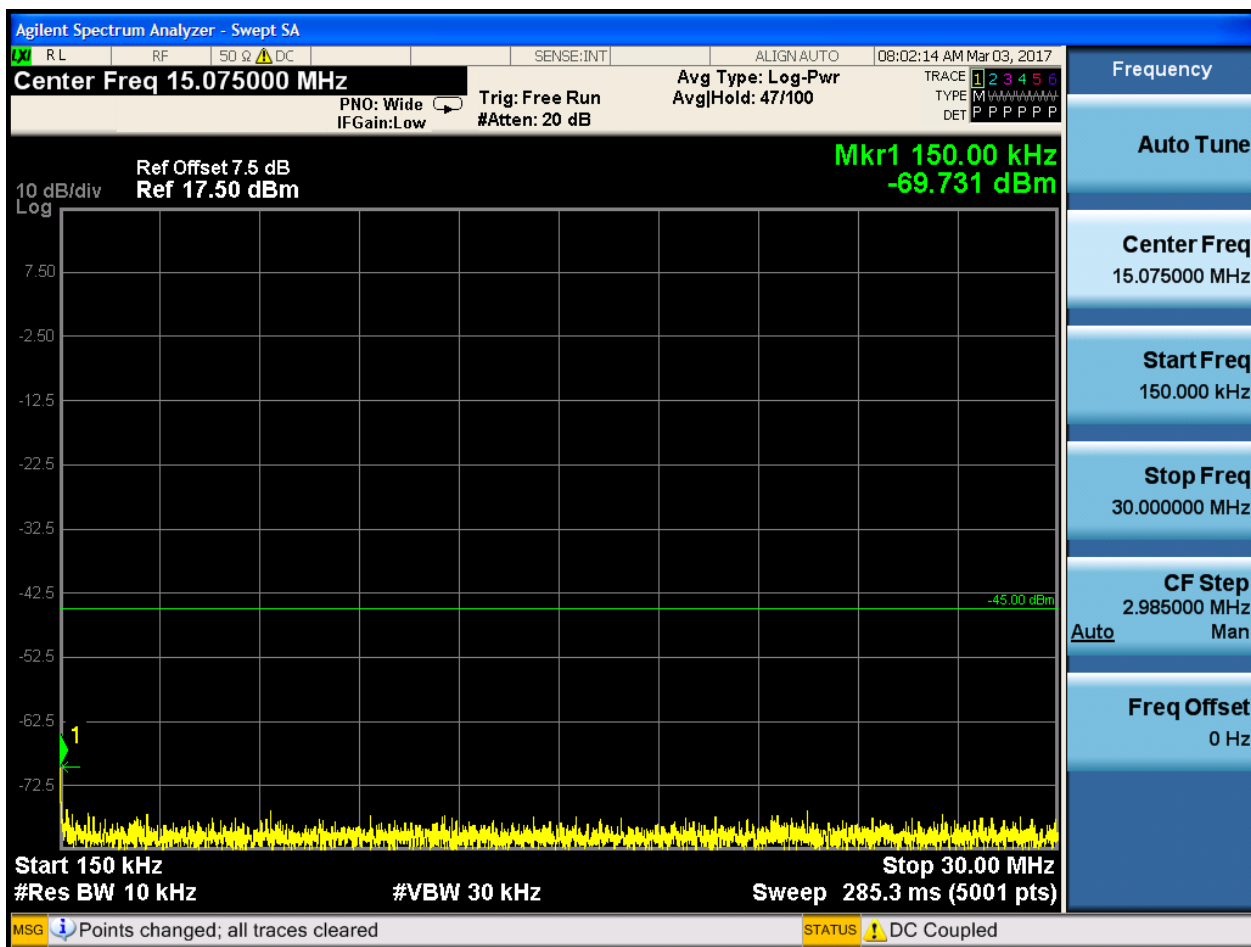


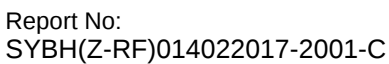


6.1.2.2.2 Test Channel = MCH

6.1.2.2.2.1 Test RB = RB1#0

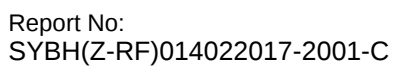


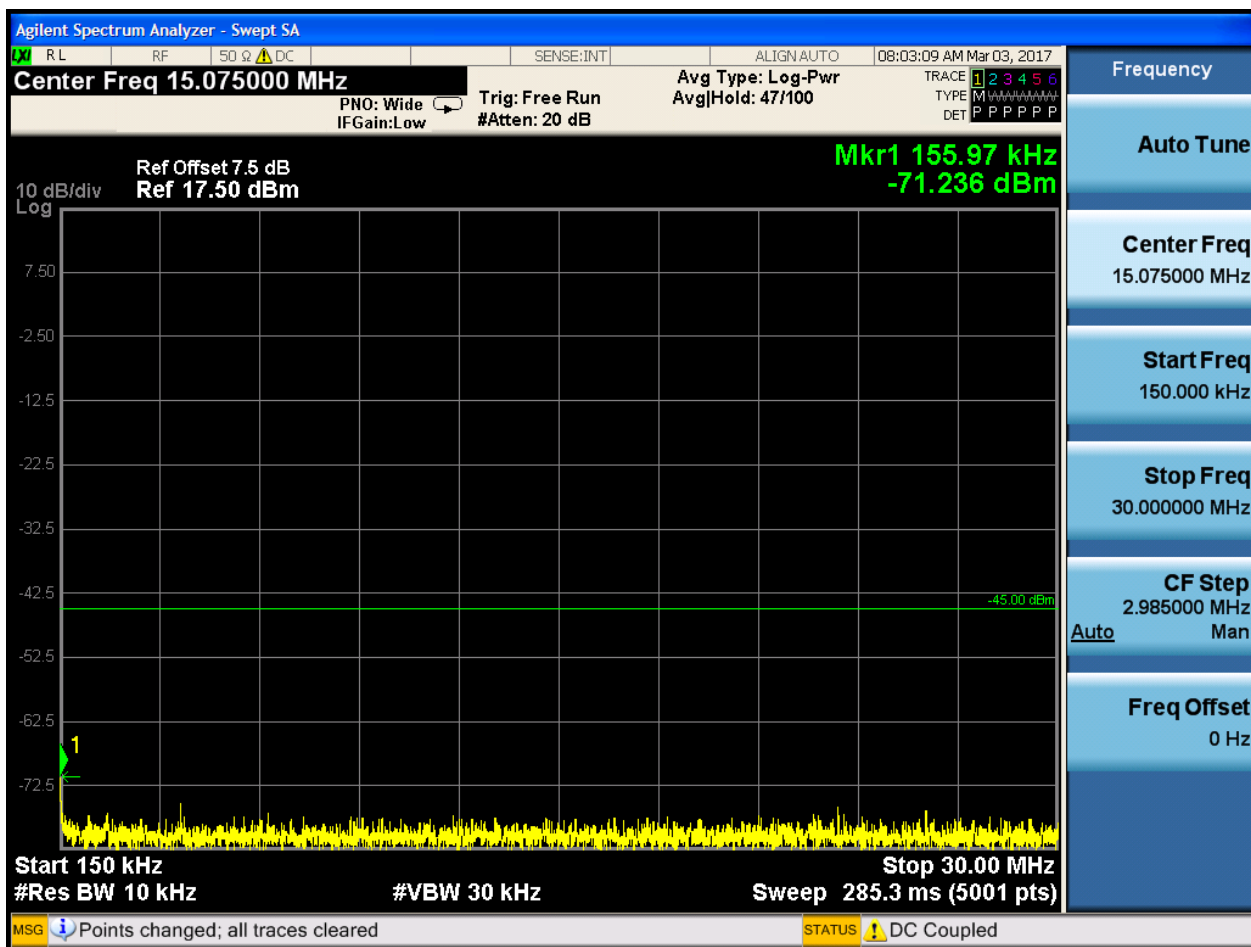


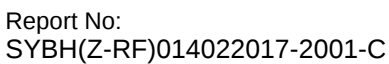




6.1.2.2.2.3.1 Test RB = RB1#0



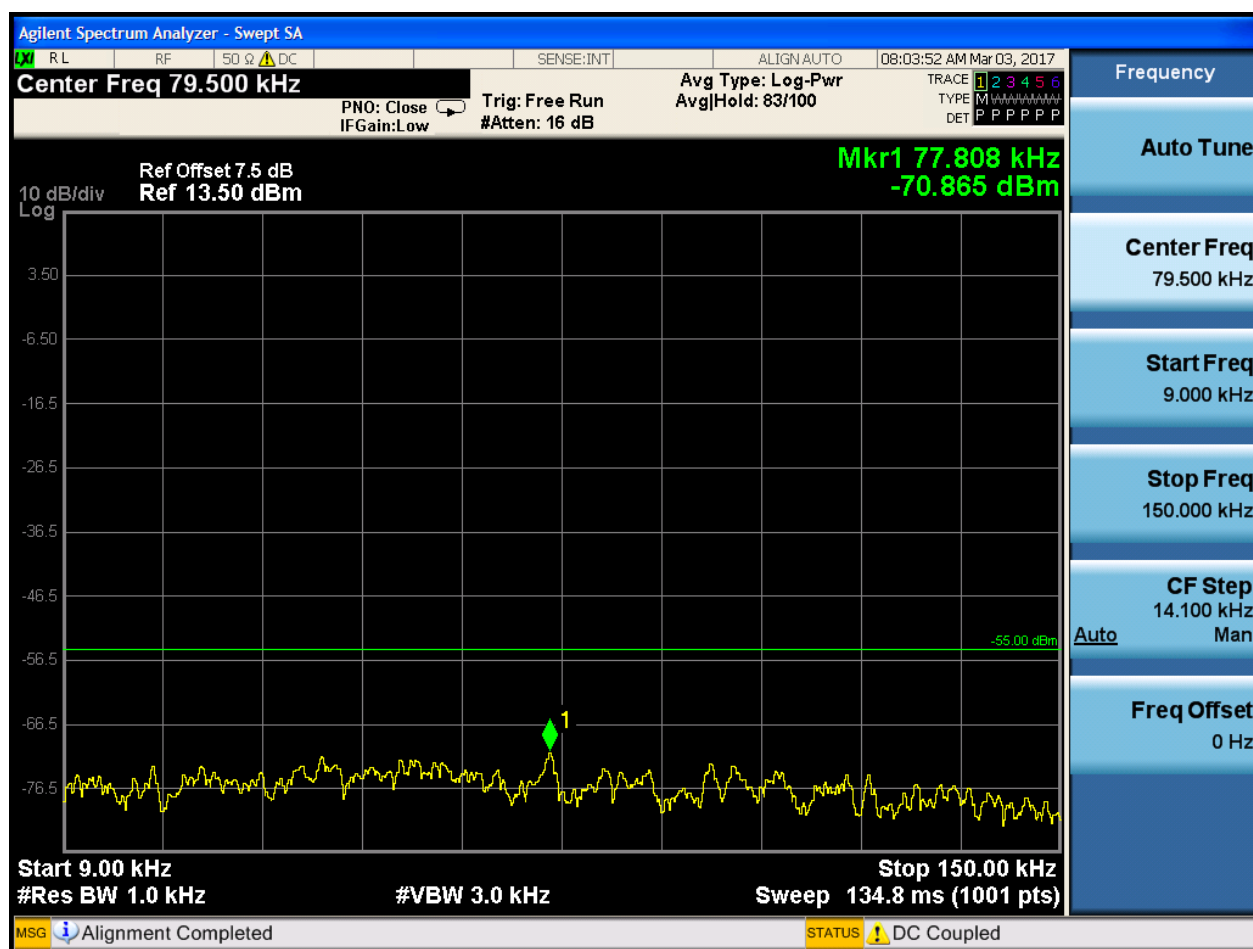


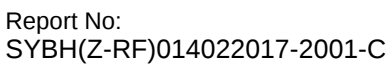


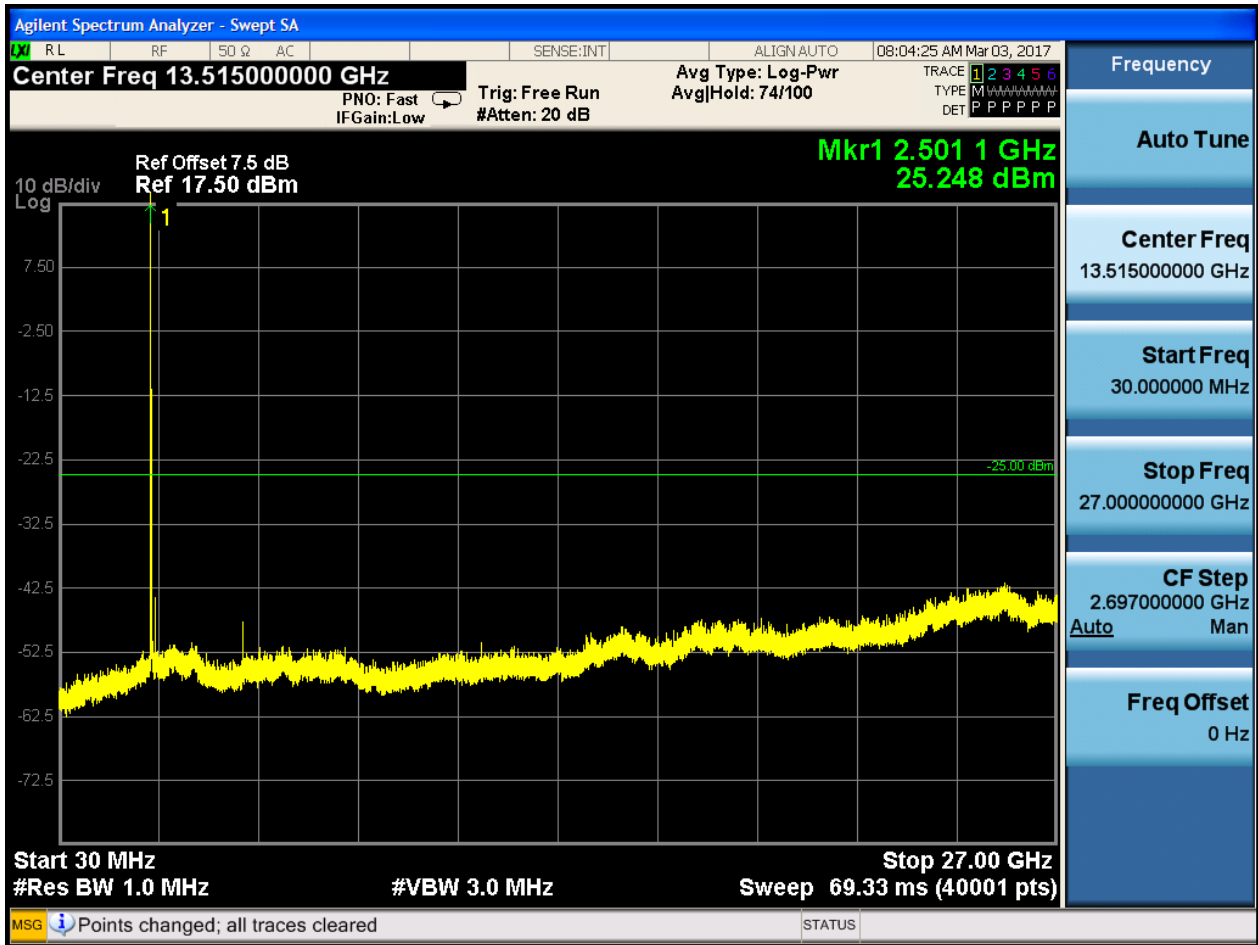
6.1.2.2.3 Test Bandwidth = 15

6.1.2.2.3.1 Test Channel = LCH

6.1.2.2.3.1.1 Test RB = RB1#0

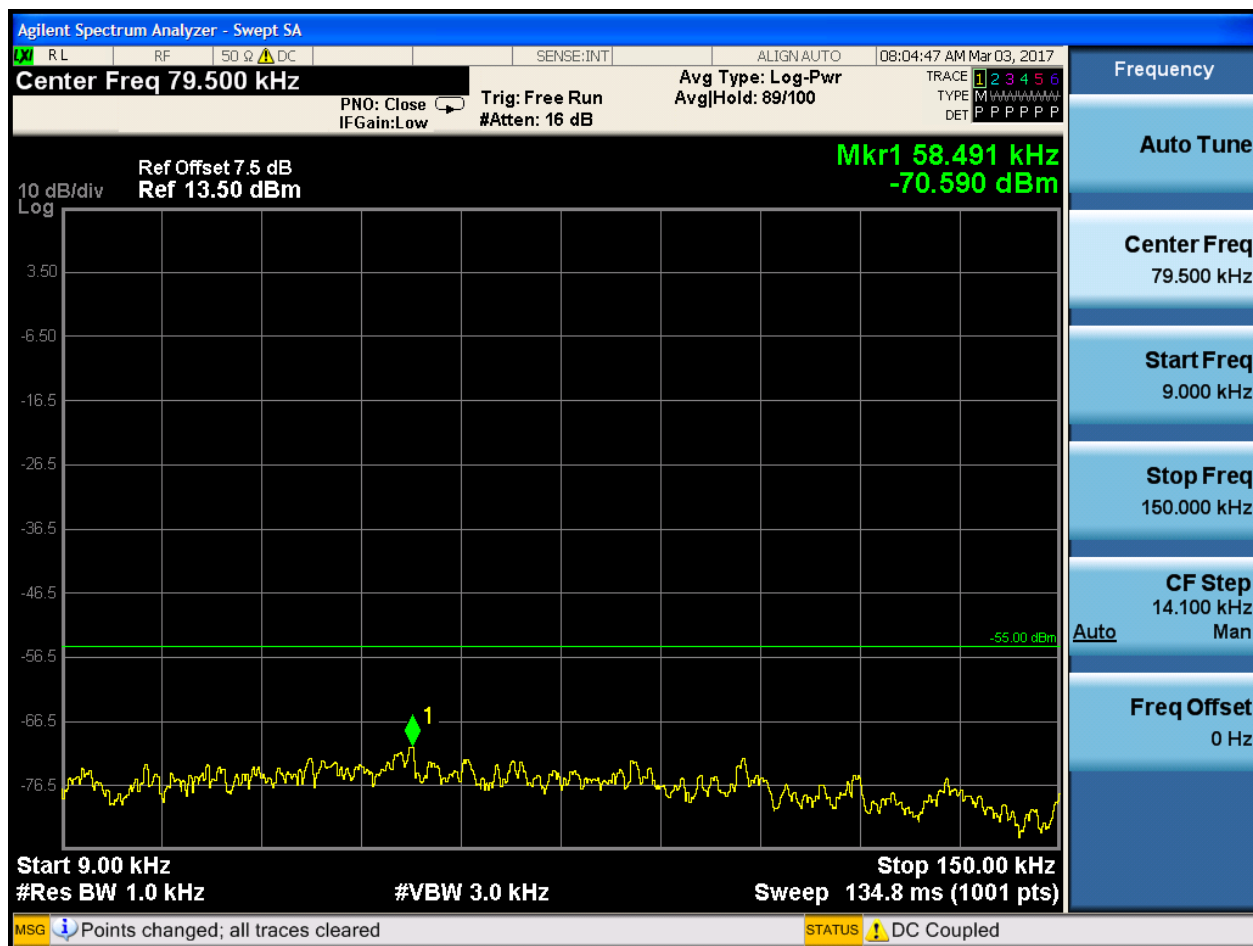


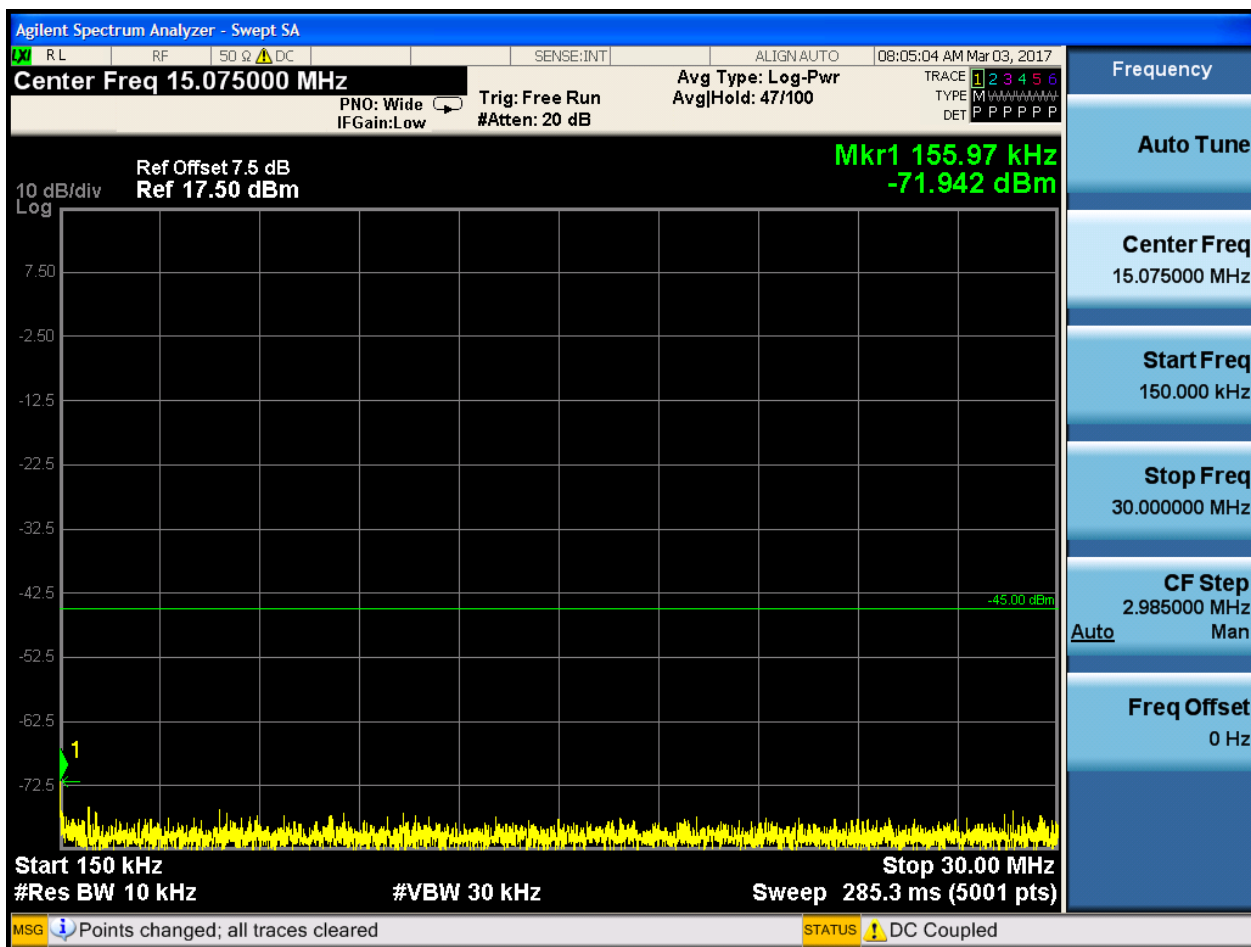


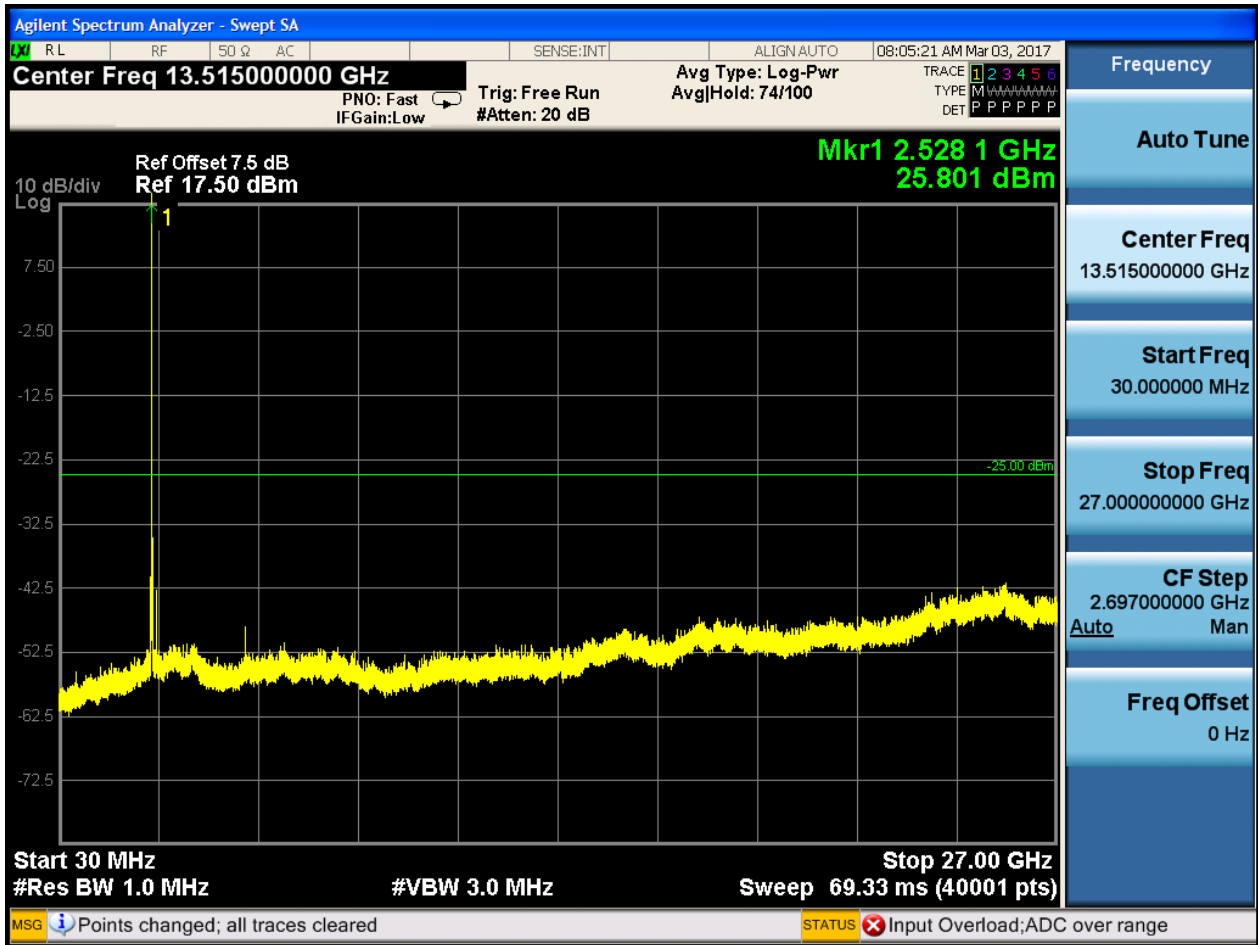


6.1.2.2.3.2 Test Channel = MCH

6.1.2.2.3.2.1 Test RB = RB1#0

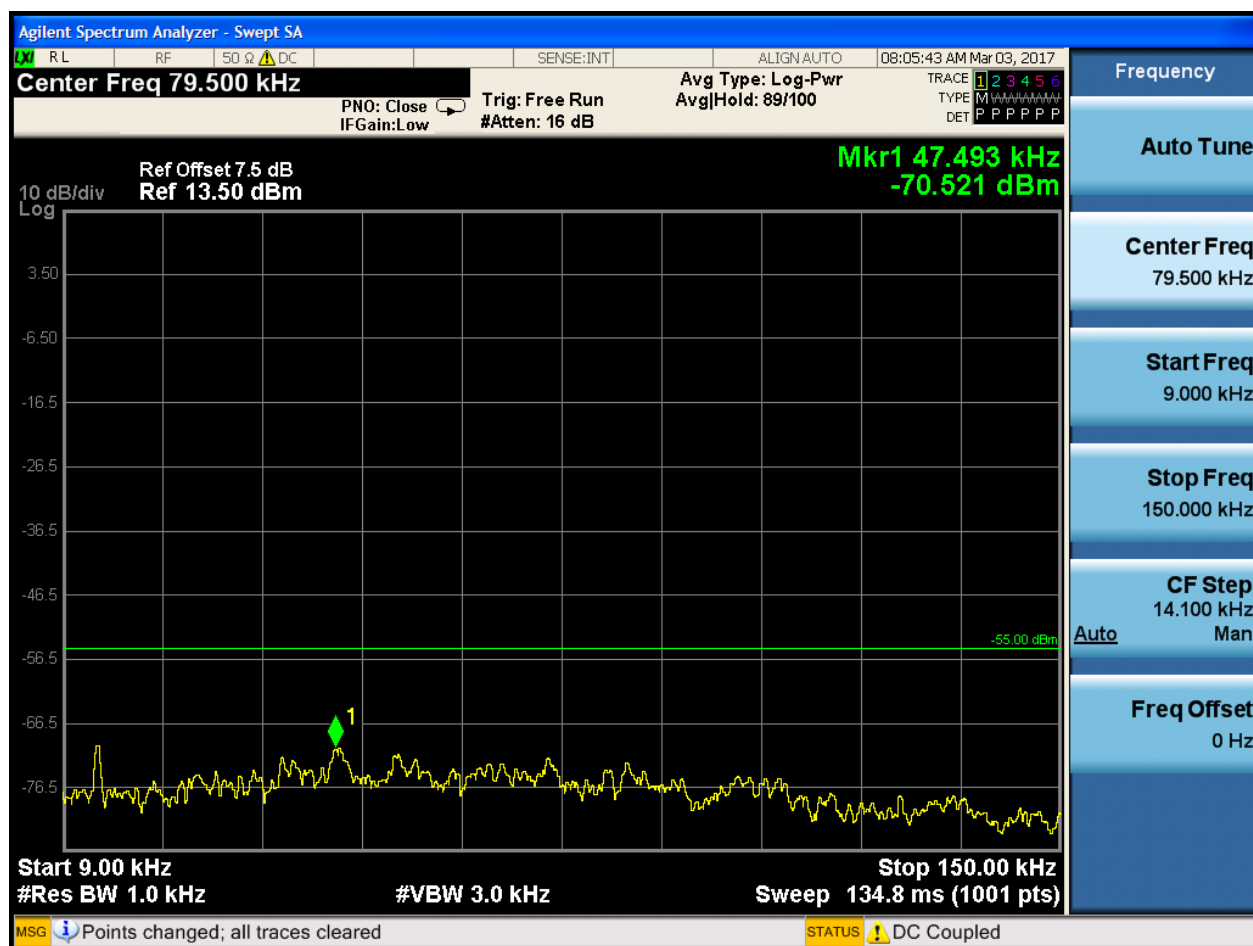


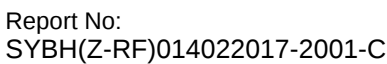


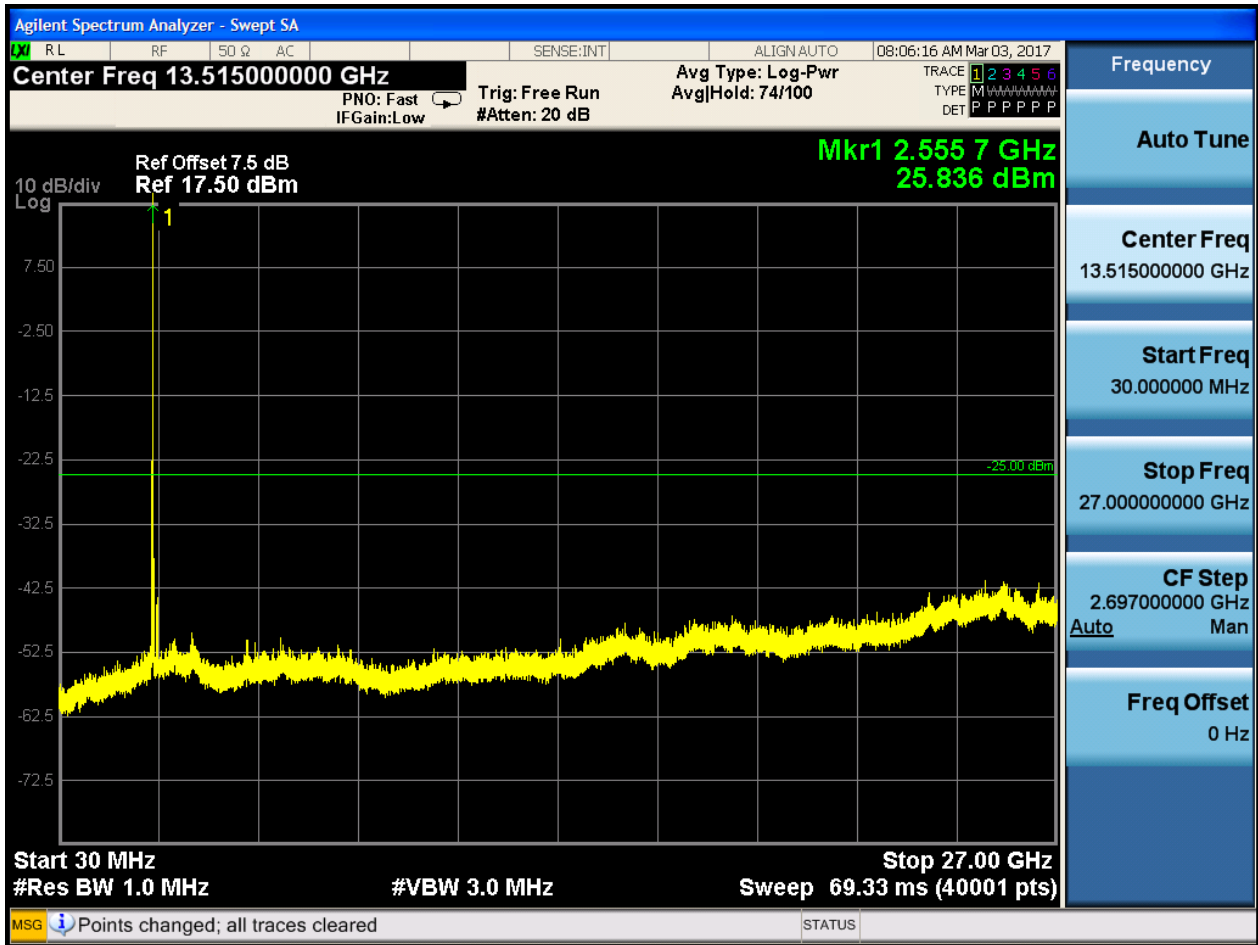


6.1.2.2.3.3 Test Channel = HCH

6.1.2.2.3.3.1 Test RB = RB1#0



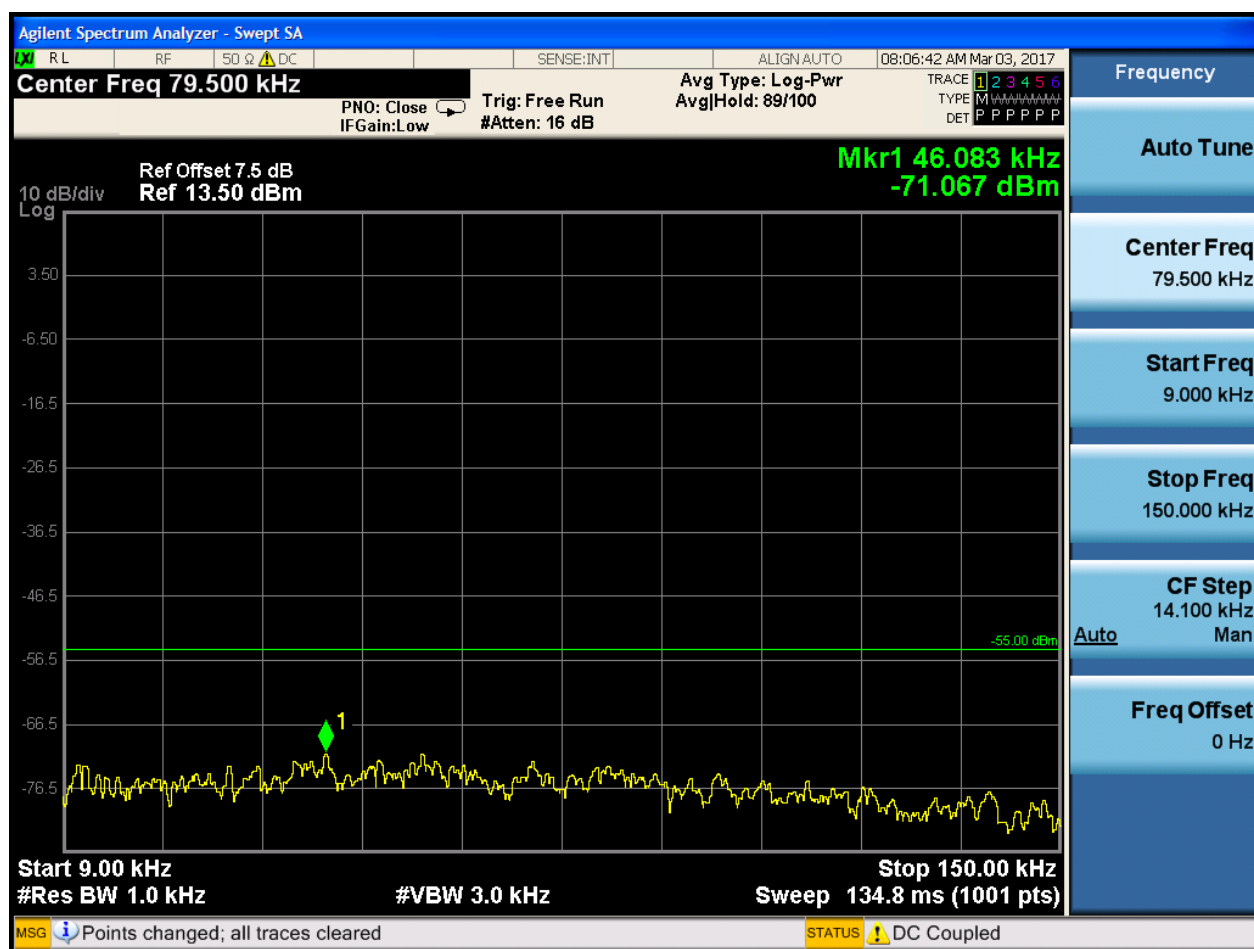


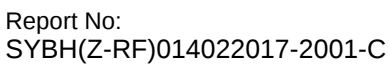


6.1.2.2.4 Test Bandwidth = 20

6.1.2.2.4.1 Test Channel = LCH

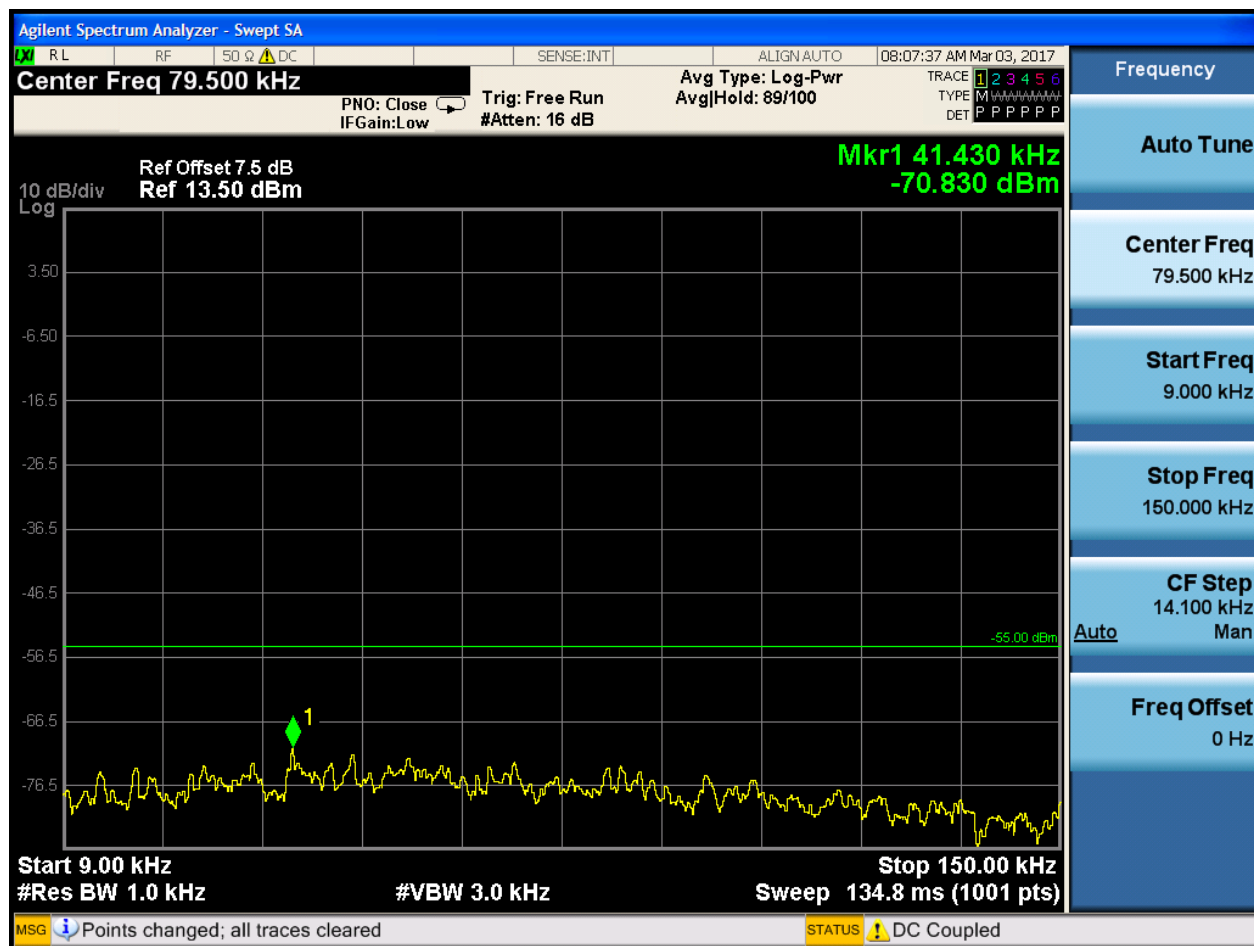
6.1.2.2.4.1.1 Test RB = RB1#0



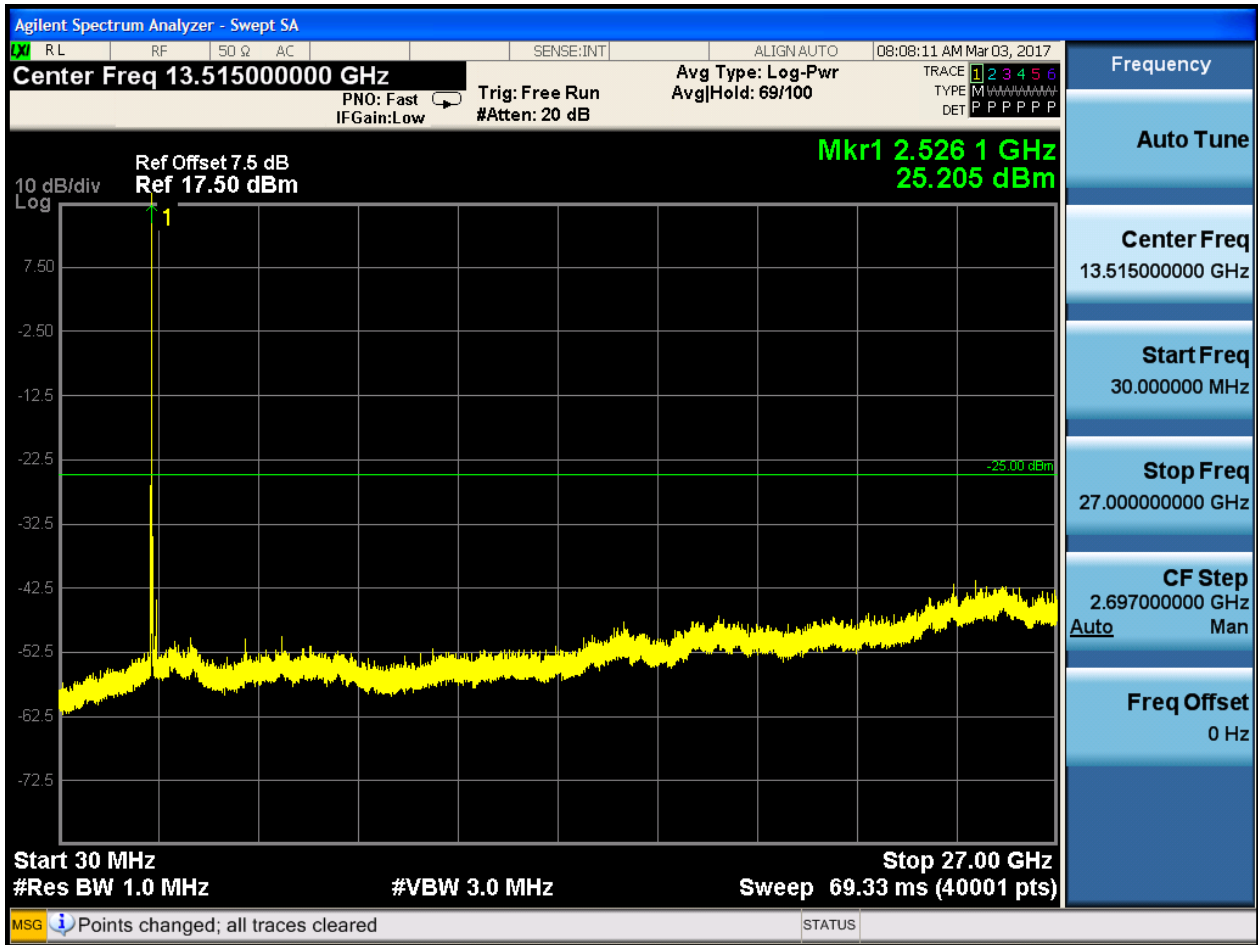


6.1.2.2.4.2 Test Channel = MCH

6.1.2.2.4.2.1 Test RB = RB1#0



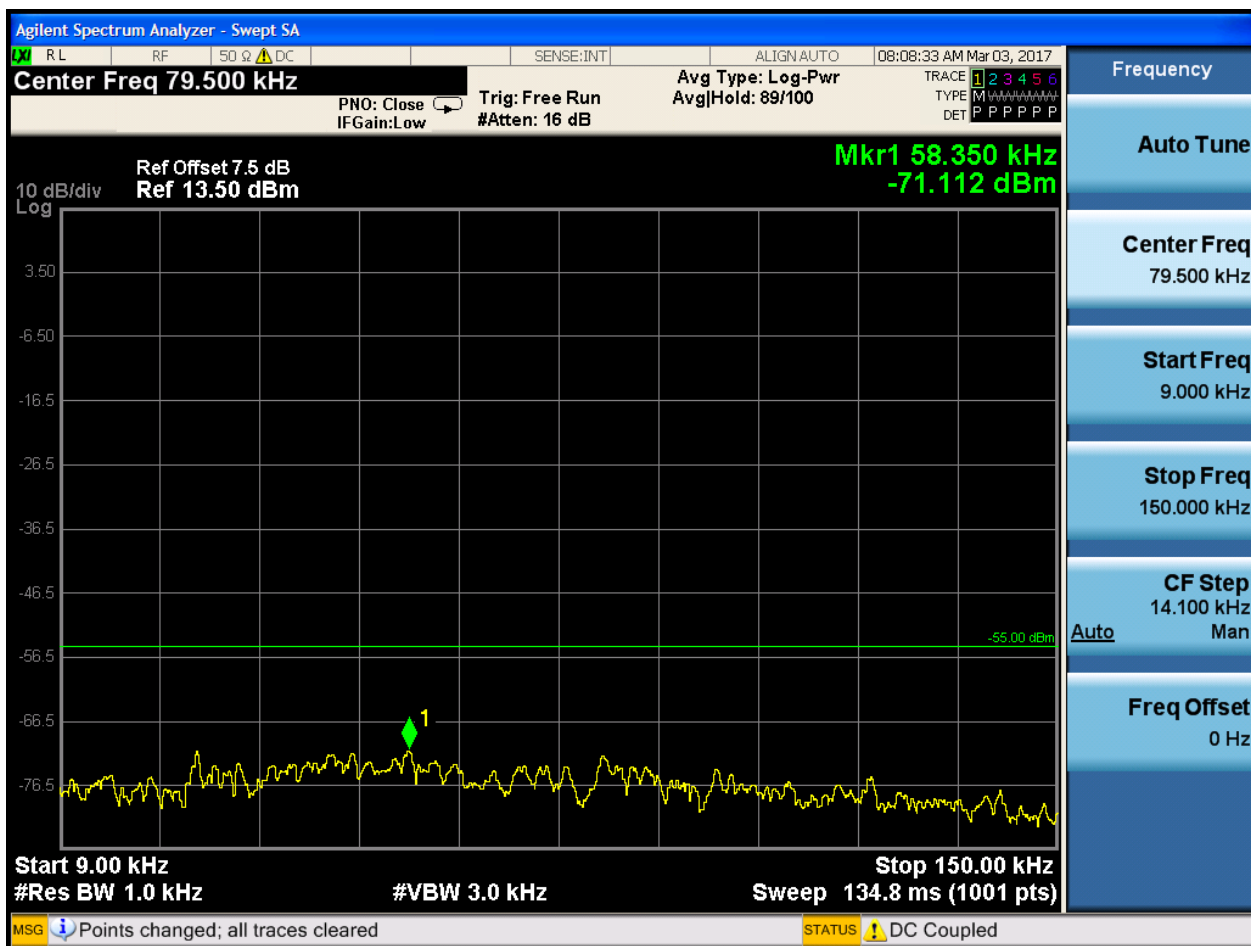


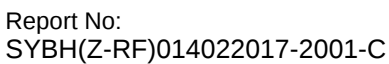


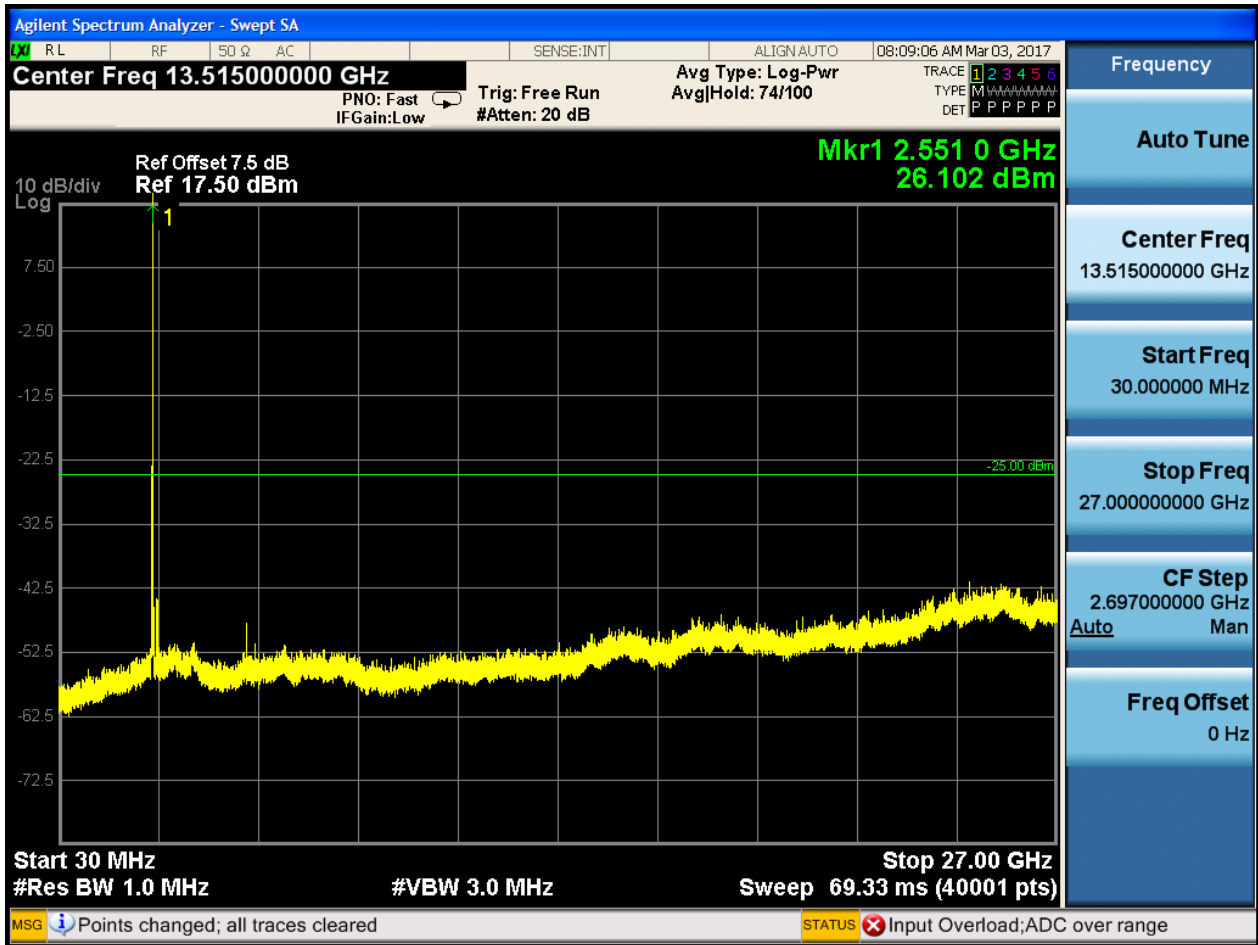


6.1.2.2.4.3 Test Channel = HCH

6.1.2.2.4.3.1 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

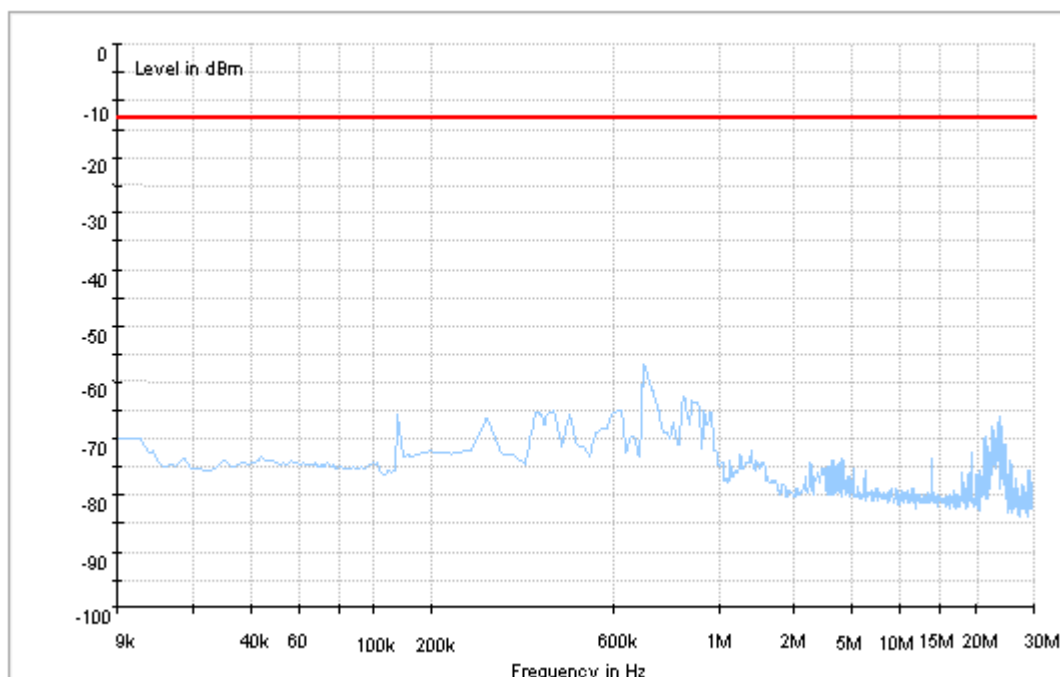
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

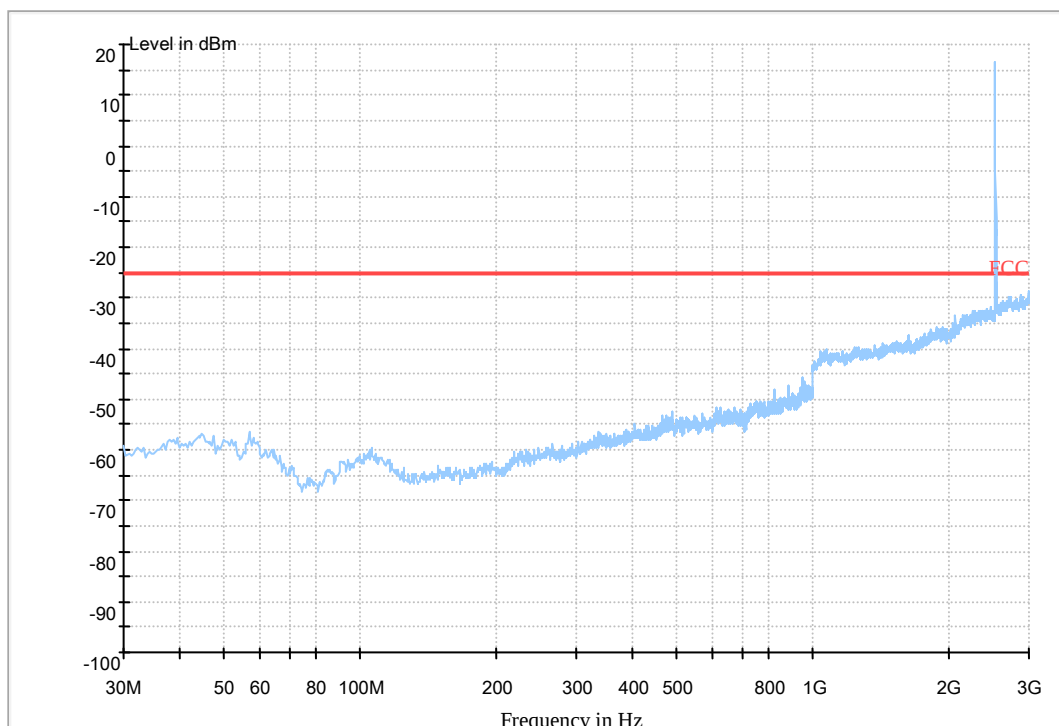
7.1 For LTE

7.1.1 Test Band = BAND7

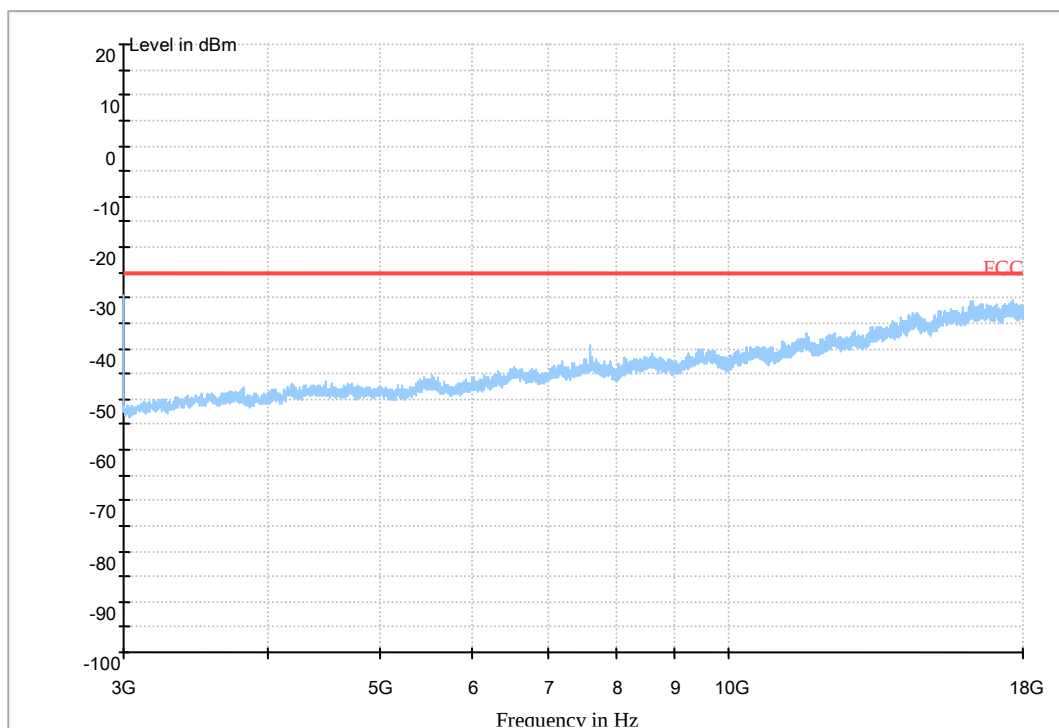
7.1.1.1 Test Bandwidth = 5

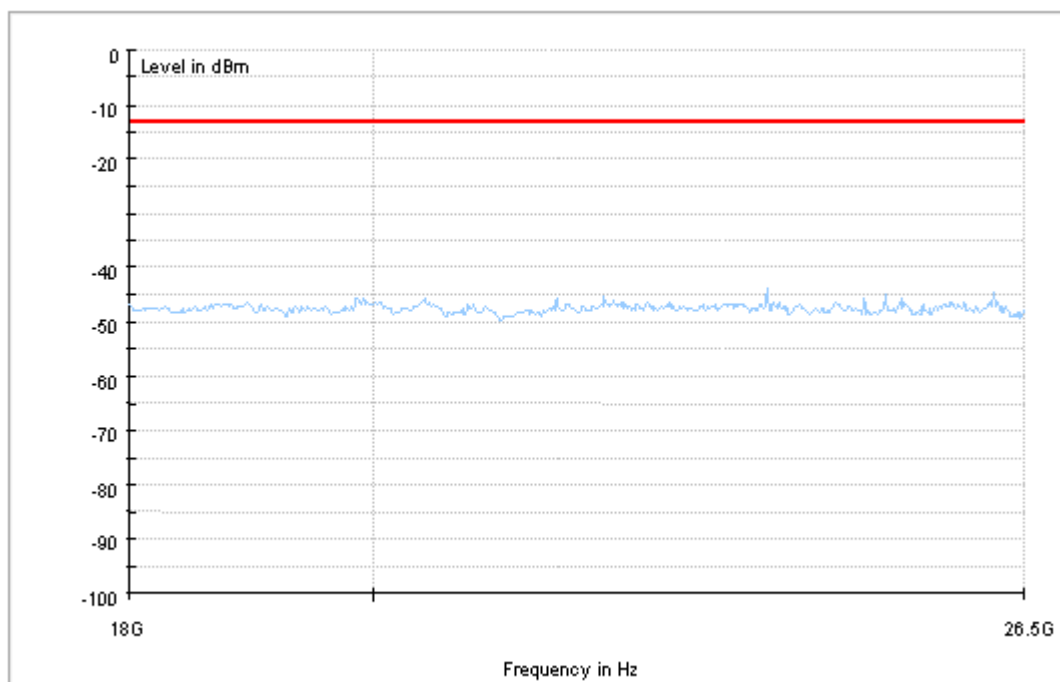


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

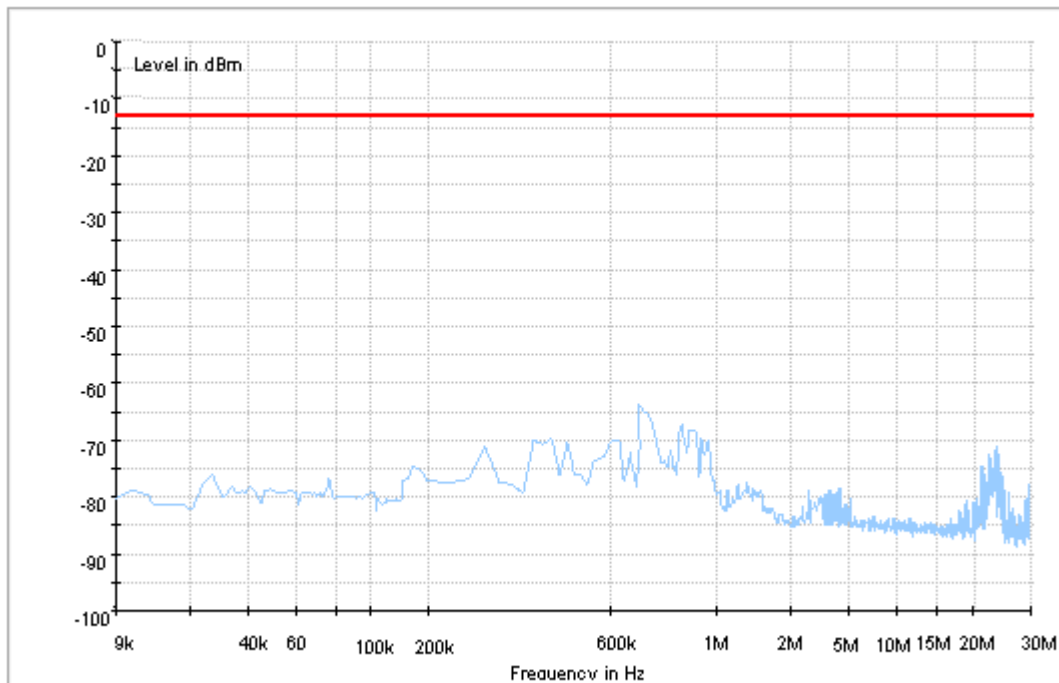


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

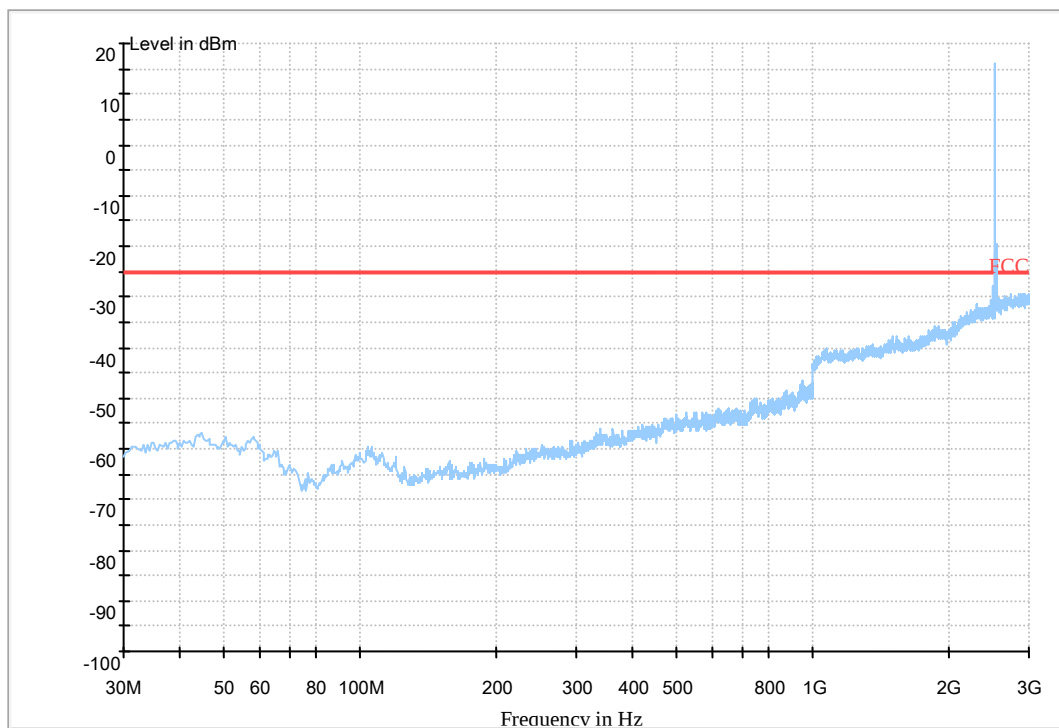




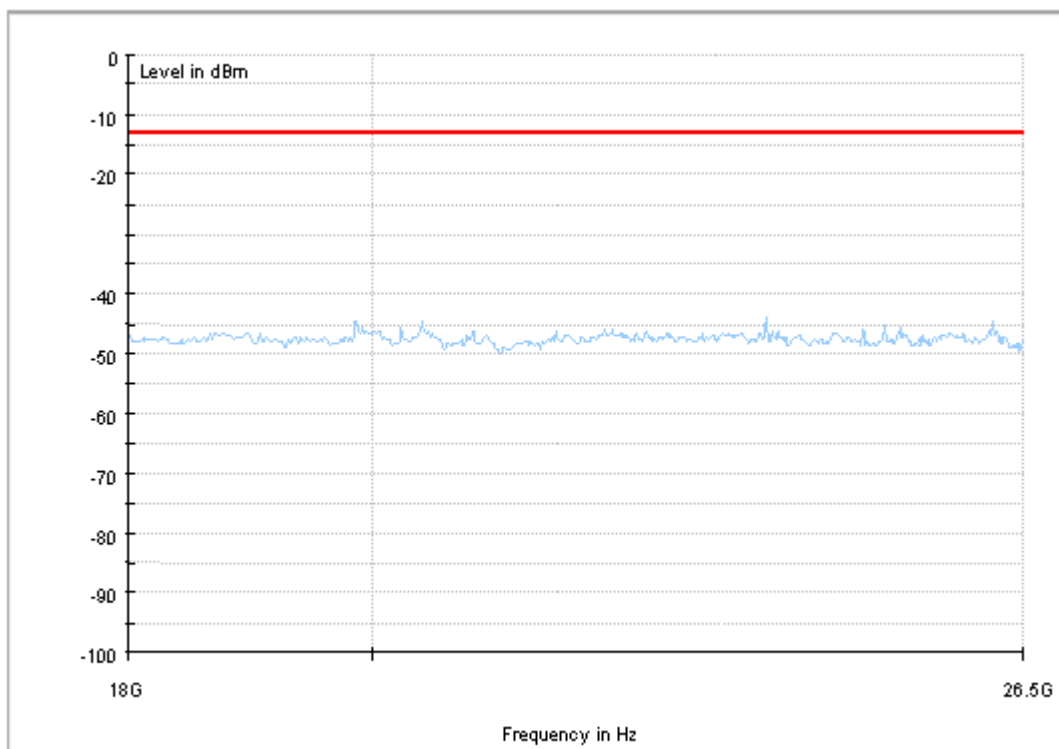
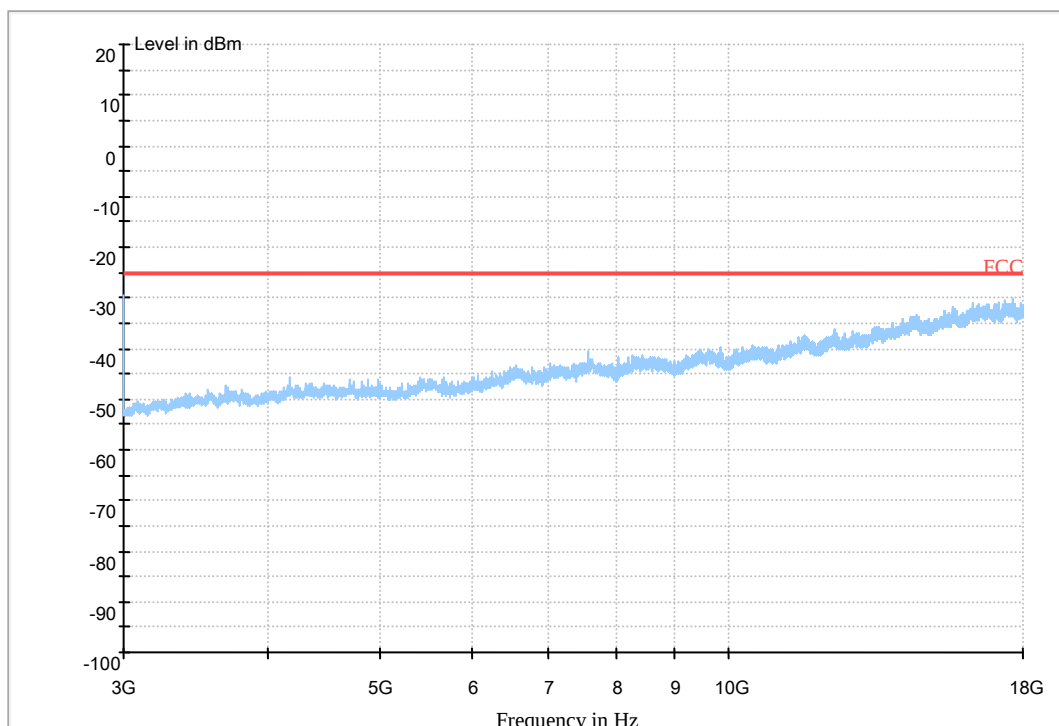
7.1.1.2 Test Bandwidth = 20



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	-0.47	-0.00019	PASS
					VN	0.27	0.00011	PASS
					VH	1.89	0.00076	PASS
			MCH	TN	VL	-0.92	-0.00036	PASS
					VN	-2.42	-0.00095	PASS
					VH	-3.62	-0.00143	PASS
			HCH	TN	VL	-0.92	-0.00036	PASS
					VN	2.10	0.00082	PASS
					VH	0.90	0.00035	PASS
		10	LCH	TN	VL	-3.39	-0.00135	PASS
					VN	-3.26	-0.0013	PASS
					VH	-2.57	-0.00103	PASS
			MCH	TN	VL	-3.12	-0.00123	PASS
					VN	-3.05	-0.0012	PASS
					VH	-3.91	-0.00154	PASS
			HCH	TN	VL	-3.98	-0.00155	PASS
					VN	-2.43	-0.00095	PASS
					VH	-3.38	-0.00132	PASS
		15	LCH	TN	VL	0.50	0.0002	PASS
					VN	0.87	0.00035	PASS
					VH	0.24	0.0001	PASS
			MCH	TN	VL	-1.54	-0.00061	PASS
					VN	-3.28	-0.00129	PASS
					VH	-3.22	-0.00127	PASS
			HCH	TN	VL	1.72	0.00067	PASS
					VN	1.14	0.00044	PASS
					VH	1.56	0.00061	PASS
		20	LCH	TN	VL	0.60	0.00024	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.93	0.00077	PASS
					VH	1.96	0.00078	PASS
			MCH	TN	VL	-1.83	-0.00072	PASS
					VN	-4.25	-0.00168	PASS
					VH	-2.80	-0.0011	PASS
			HCH	TN	VL	-0.21	-0.00008	PASS
					VN	1.75	0.00068	PASS
					VH	1.03	0.0004	PASS
	LTE/TM2	5	LCH	TN	VL	1.10	0.00044	PASS
					VN	1.16	0.00046	PASS
					VH	1.83	0.00073	PASS
			MCH	TN	VL	-2.40	-0.00095	PASS
					VN	-3.85	-0.00152	PASS
					VH	-2.68	-0.00106	PASS
			HCH	TN	VL	-1.54	-0.0006	PASS
					VN	1.04	0.00041	PASS
					VH	-2.59	-0.00101	PASS
		10	LCH	TN	VL	-3.53	-0.00141	PASS
					VN	-4.53	-0.00181	PASS
					VH	-2.90	-0.00116	PASS
			MCH	TN	VL	-2.46	-0.00097	PASS
					VN	-4.12	-0.00163	PASS
					VH	-4.29	-0.00169	PASS
			HCH	TN	VL	-4.05	-0.00158	PASS
					VN	-4.13	-0.00161	PASS
					VH	-5.24	-0.00204	PASS
		15	LCH	TN	VL	1.14	0.00045	PASS
					VN	1.04	0.00041	PASS
					VH	0.69	0.00028	PASS
			MCH	TN	VL	-5.89	-0.00232	PASS
					VN	-2.68	-0.00106	PASS
					VH	-4.56	-0.0018	PASS
			HCH	TN	VL	1.54	0.0006	PASS
					VN	1.16	0.00045	PASS
					VH	1.83	0.00071	PASS
		20	LCH	TN	VL	3.36	0.00134	PASS
					VN	1.27	0.00051	PASS
					VH	2.20	0.00088	PASS
			MCH	TN	VL	-3.96	-0.00156	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.72	-0.00107	PASS
					VH	-2.63	-0.00104	PASS
			HCH	TN	VL	0.20	0.00008	PASS
					VN	0.56	0.00022	PASS
					VH	1.52	0.00059	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
BAND7	LTE/TM1	5	LCH	VN	-30	1.12	0.00045	PASS
					-20	3.25	0.0013	PASS
					-10	2.65	0.00106	PASS
					0	1.95	0.00078	PASS
					10	1.40	0.00056	PASS
					20	-0.10	-0.00004	PASS
					30	0.63	0.00025	PASS
					40	1.90	0.00076	PASS
					50	0.26	0.0001	PASS
			MCH	VN	-30	-2.50	-0.00099	PASS
					-20	-2.92	-0.00115	PASS
					-10	-3.81	-0.0015	PASS
					0	-3.42	-0.00135	PASS
					10	-5.05	-0.00199	PASS
					20	-3.19	-0.00126	PASS
					30	-2.29	-0.0009	PASS
					40	-4.45	-0.00176	PASS
					50	-1.50	-0.00059	PASS
			HCH	VN	-30	0.17	0.00007	PASS
					-20	-1.32	-0.00051	PASS
					-10	0.07	0.00003	PASS
					0	-0.36	-0.00014	PASS
					10	-0.49	-0.00019	PASS
					20	-1.72	-0.00067	PASS
					30	-2.52	-0.00098	PASS
					40	0.17	0.00007	PASS
					50	-2.36	-0.00092	PASS
		10	LCH	VN	-30	-3.33	-0.00133	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-2.52	-0.00101	PASS
					-10	-3.73	-0.00149	PASS
					0	-1.00	-0.0004	PASS
					10	-3.30	-0.00132	PASS
					20	-3.89	-0.00155	PASS
					30	-2.59	-0.00103	PASS
					40	-2.06	-0.00082	PASS
					50	-3.09	-0.00123	PASS
			MCH	VN	-30	-2.73	-0.00108	PASS
					-20	-3.56	-0.0014	PASS
					-10	-4.21	-0.00166	PASS
					0	-4.03	-0.00159	PASS
					10	-3.86	-0.00152	PASS
					20	-2.86	-0.00113	PASS
					30	-2.25	-0.00089	PASS
					40	-2.37	-0.00093	PASS
					50	-2.92	-0.00115	PASS
			HCH	VN	-30	-4.15	-0.00162	PASS
					-20	-3.89	-0.00152	PASS
					-10	-3.23	-0.00126	PASS
					0	-3.78	-0.00147	PASS
					10	-2.63	-0.00103	PASS
					20	-3.00	-0.00117	PASS
					30	-2.30	-0.0009	PASS
					40	-4.91	-0.00191	PASS
					50	-2.88	-0.00112	PASS
		15	LCH	VN	-30	-0.26	-0.0001	PASS
					-20	0.44	0.00018	PASS
					-10	0.67	0.00027	PASS
					0	-0.76	-0.0003	PASS
					10	1.75	0.0007	PASS
					20	3.15	0.00126	PASS
					30	0.49	0.0002	PASS
					40	0.79	0.00032	PASS
					50	0.06	0.00002	PASS
			MCH	VN	-30	-3.56	-0.0014	PASS
					-20	-3.95	-0.00156	PASS
					-10	-1.99	-0.00079	PASS
					0	-3.48	-0.00137	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-3.08	-0.00121	PASS
					20	-3.92	-0.00155	PASS
					30	-4.01	-0.00158	PASS
					40	-3.36	-0.00133	PASS
					50	-2.20	-0.00087	PASS
			HCH	VN	-30	2.56	0.001	PASS
					-20	1.20	0.00047	PASS
					-10	1.72	0.00067	PASS
					0	1.83	0.00071	PASS
					10	2.35	0.00092	PASS
					20	0.59	0.00023	PASS
					30	1.50	0.00059	PASS
					40	1.10	0.00043	PASS
					50	2.47	0.00096	PASS
		20	LCH	VN	-30	1.52	0.00061	PASS
					-20	-0.13	-0.00005	PASS
					-10	0.99	0.00039	PASS
					0	3.76	0.0015	PASS
					10	1.95	0.00078	PASS
					20	1.89	0.00075	PASS
					30	0.83	0.00033	PASS
					40	1.86	0.00074	PASS
					50	0.82	0.00033	PASS
			MCH	VN	-30	-2.95	-0.00116	PASS
					-20	-2.52	-0.00099	PASS
					-10	-3.72	-0.00147	PASS
					0	-1.63	-0.00064	PASS
					10	-2.78	-0.0011	PASS
					20	-3.66	-0.00144	PASS
					30	-3.15	-0.00124	PASS
					40	-3.48	-0.00137	PASS
					50	-2.32	-0.00092	PASS
			HCH	VN	-30	1.22	0.00048	PASS
					-20	1.42	0.00055	PASS
					-10	-0.01	0	PASS
					0	0.56	0.00022	PASS
					10	0.64	0.00025	PASS
					20	0.01	0	PASS
					30	0.54	0.00021	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5			40	-1.02	-0.0004	PASS
					50	-0.53	-0.00021	PASS
			LCH	VN	-30	0.37	0.00015	PASS
					-20	3.16	0.00126	PASS
					-10	1.93	0.00077	PASS
					0	-1.47	-0.00059	PASS
					10	0.20	0.00008	PASS
					20	0.97	0.00039	PASS
					30	2.88	0.00115	PASS
					40	0.92	0.00037	PASS
					50	-0.54	-0.00022	PASS
			MCH	VN	-30	-2.82	-0.00111	PASS
					-20	-1.92	-0.00076	PASS
					-10	-4.51	-0.00178	PASS
					0	-2.99	-0.00118	PASS
					10	-3.95	-0.00156	PASS
					20	-4.25	-0.00168	PASS
					30	-2.62	-0.00103	PASS
					40	-1.63	-0.00064	PASS
					50	-5.56	-0.00219	PASS
			HCH	VN	-30	0.07	0.00003	PASS
					-20	-0.51	-0.0002	PASS
					-10	1.40	0.00055	PASS
					0	0.64	0.00025	PASS
					10	0.63	0.00025	PASS
					20	-0.10	-0.00004	PASS
					30	-1.16	-0.00045	PASS
					40	-0.59	-0.00023	PASS
					50	0.23	0.00009	PASS
		10	LCH	VN	-30	-3.40	-0.00136	PASS
					-20	-2.35	-0.00094	PASS
					-10	-3.22	-0.00129	PASS
					0	-1.65	-0.00066	PASS
					10	-3.05	-0.00122	PASS
					20	-2.75	-0.0011	PASS
					30	-3.91	-0.00156	PASS
					40	-3.18	-0.00127	PASS
					50	-3.30	-0.00132	PASS
			MCH	VN	-30	-1.96	-0.00077	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	-0.00075	PASS
					-10	-3.65	-0.00144	PASS
					0	-2.60	-0.00103	PASS
					10	-2.12	-0.00084	PASS
					20	-4.12	-0.00163	PASS
					30	-2.29	-0.0009	PASS
					40	-3.63	-0.00143	PASS
					50	-3.52	-0.00139	PASS
			HCH	VN	-30	-4.52	-0.00176	PASS
					-20	-3.25	-0.00127	PASS
					-10	-2.50	-0.00097	PASS
					0	-3.09	-0.0012	PASS
					10	-4.39	-0.00171	PASS
					20	-4.26	-0.00166	PASS
					30	-3.49	-0.00136	PASS
					40	-2.76	-0.00108	PASS
					50	-2.93	-0.00114	PASS
		15	LCH	VN	-30	-0.40	-0.00016	PASS
					-20	0.90	0.00036	PASS
					-10	1.10	0.00044	PASS
					0	-0.04	-0.00002	PASS
					10	1.17	0.00047	PASS
					20	-1.07	-0.00043	PASS
					30	-0.07	-0.00003	PASS
					40	1.36	0.00054	PASS
					50	1.24	0.00049	PASS
			MCH	VN	-30	-3.25	-0.00128	PASS
					-20	-3.92	-0.00155	PASS
					-10	-2.60	-0.00103	PASS
					0	-3.56	-0.0014	PASS
					10	-3.15	-0.00124	PASS
					20	-4.09	-0.00161	PASS
					30	-3.79	-0.0015	PASS
					40	-4.22	-0.00166	PASS
					50	-1.93	-0.00076	PASS
			HCH	VN	-30	2.80	0.00109	PASS
					-20	1.42	0.00055	PASS
					-10	2.25	0.00088	PASS
					0	2.78	0.00108	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.87	0.00034	PASS
					20	2.73	0.00107	PASS
					30	2.00	0.00078	PASS
					40	1.46	0.00057	PASS
					50	1.90	0.00074	PASS
		20	LCH	VN	-30	2.05	0.00082	PASS
					-20	3.08	0.00123	PASS
					-10	1.26	0.0005	PASS
					0	1.26	0.0005	PASS
					10	1.10	0.00044	PASS
					20	2.43	0.00097	PASS
					30	2.47	0.00098	PASS
					40	1.43	0.00057	PASS
					50	2.86	0.00114	PASS
			MCH	VN	-30	-3.60	-0.00142	PASS
					-20	-3.72	-0.00147	PASS
					-10	-3.08	-0.00121	PASS
					0	-3.22	-0.00127	PASS
					10	-4.13	-0.00163	PASS
					20	-3.86	-0.00152	PASS
					30	-3.72	-0.00147	PASS
					40	-4.36	-0.00172	PASS
					50	-2.96	-0.00117	PASS
			HCH	VN	-30	1.37	0.00054	PASS
					-20	1.04	0.00041	PASS
					-10	1.09	0.00043	PASS
					0	-1.06	-0.00041	PASS
					10	-0.76	-0.0003	PASS
					20	2.30	0.0009	PASS
					30	0.40	0.00016	PASS
					40	1.10	0.00043	PASS
					50	0.66	0.00026	PASS

END