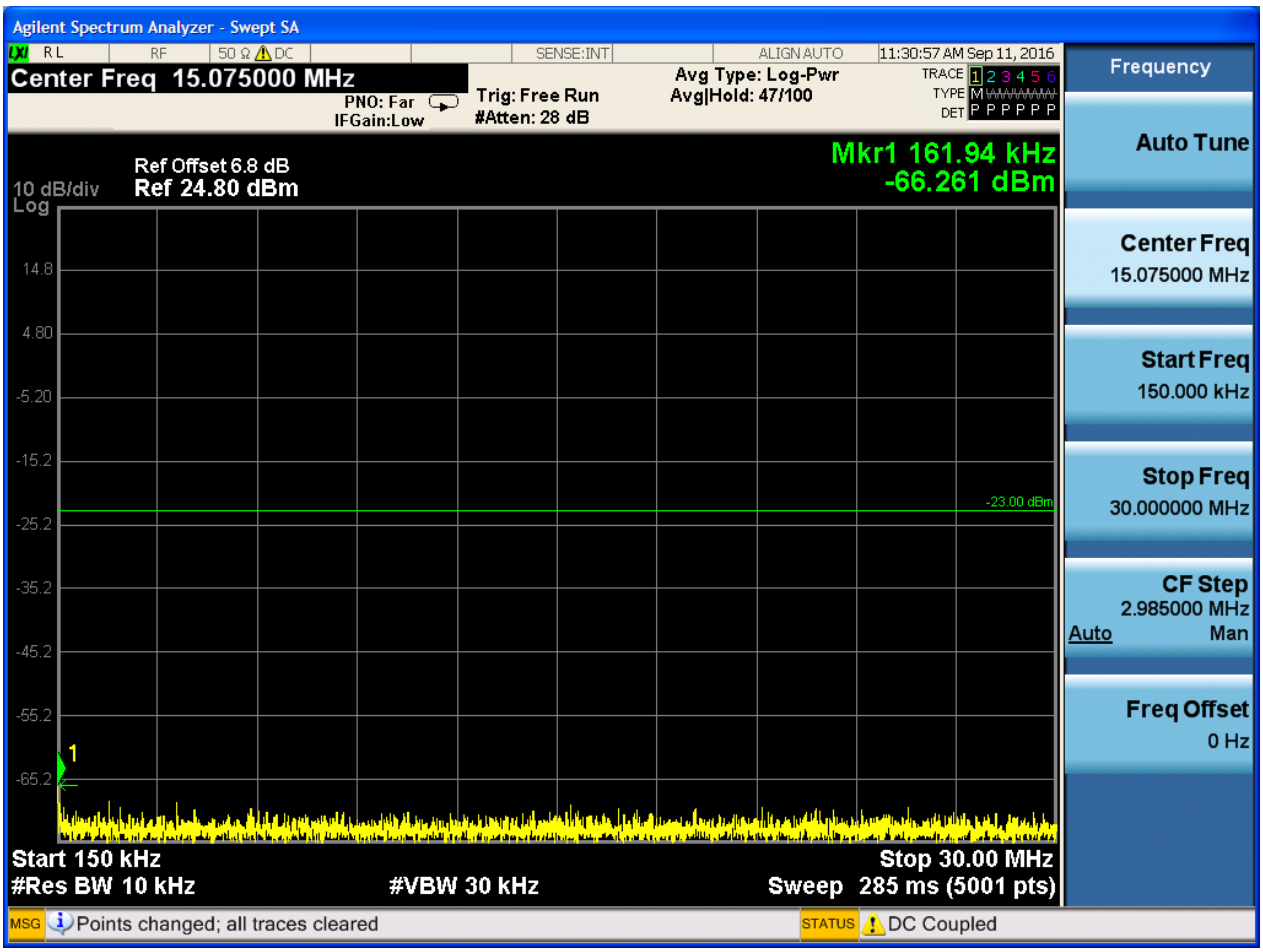

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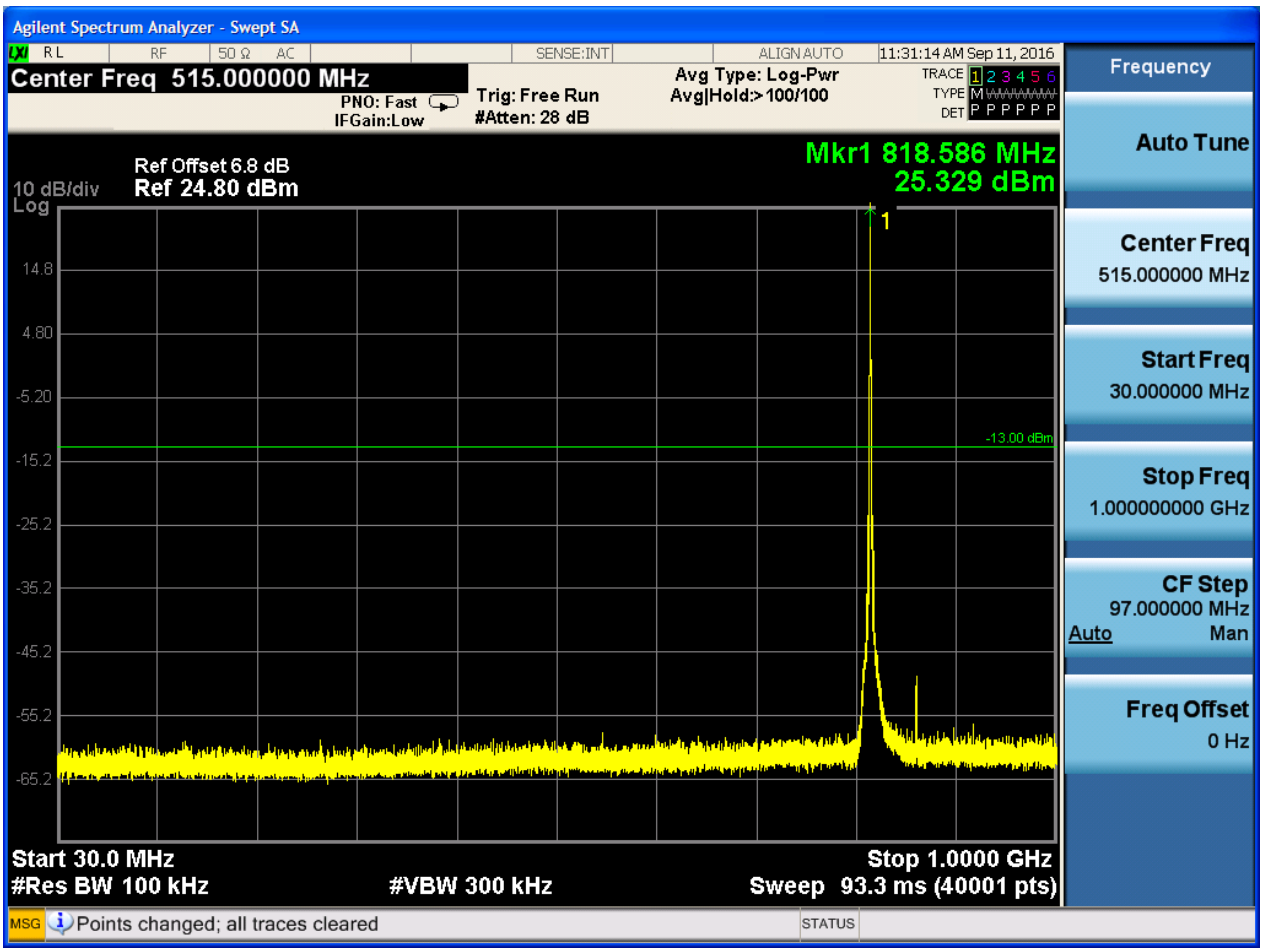

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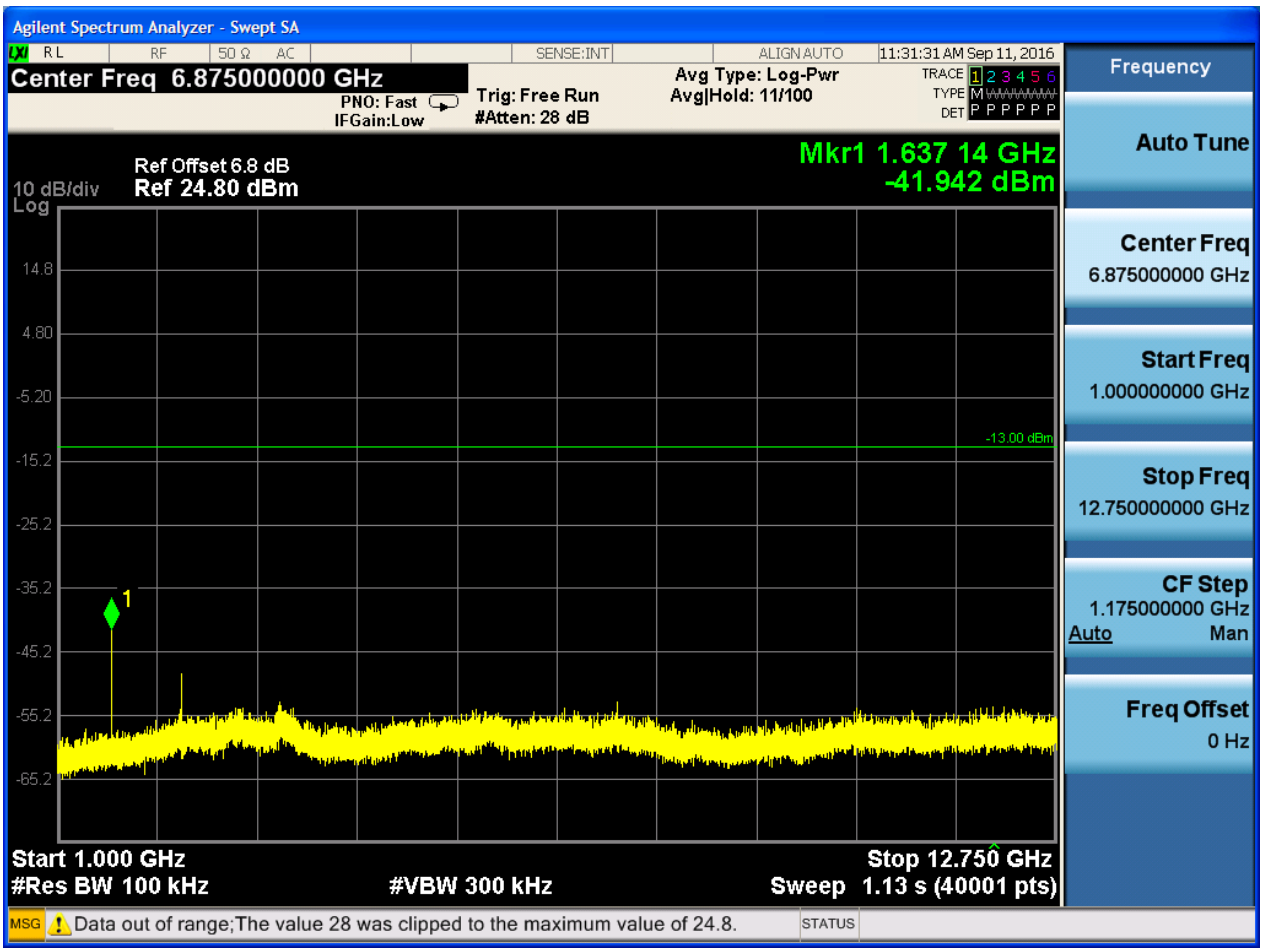

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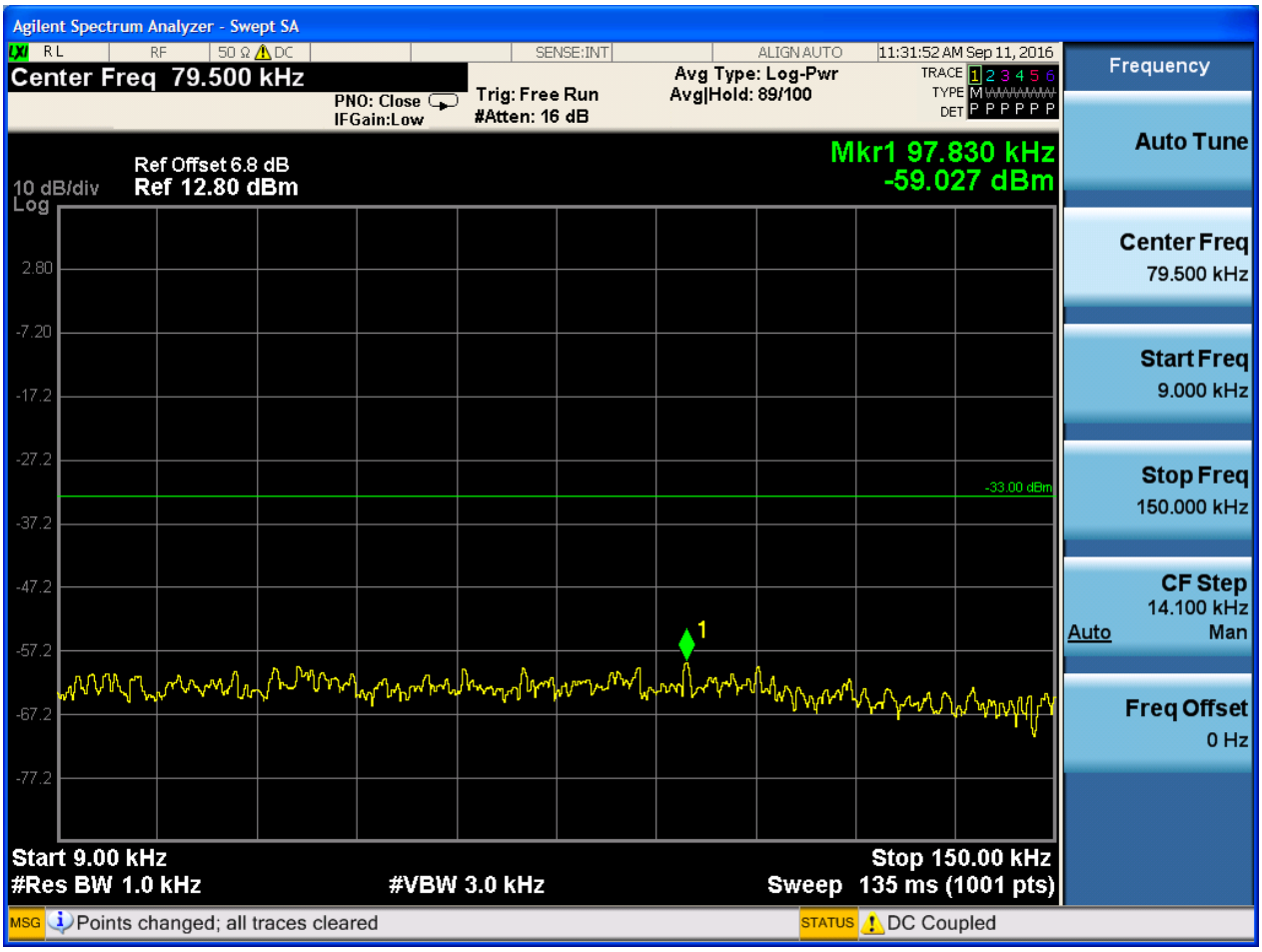
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



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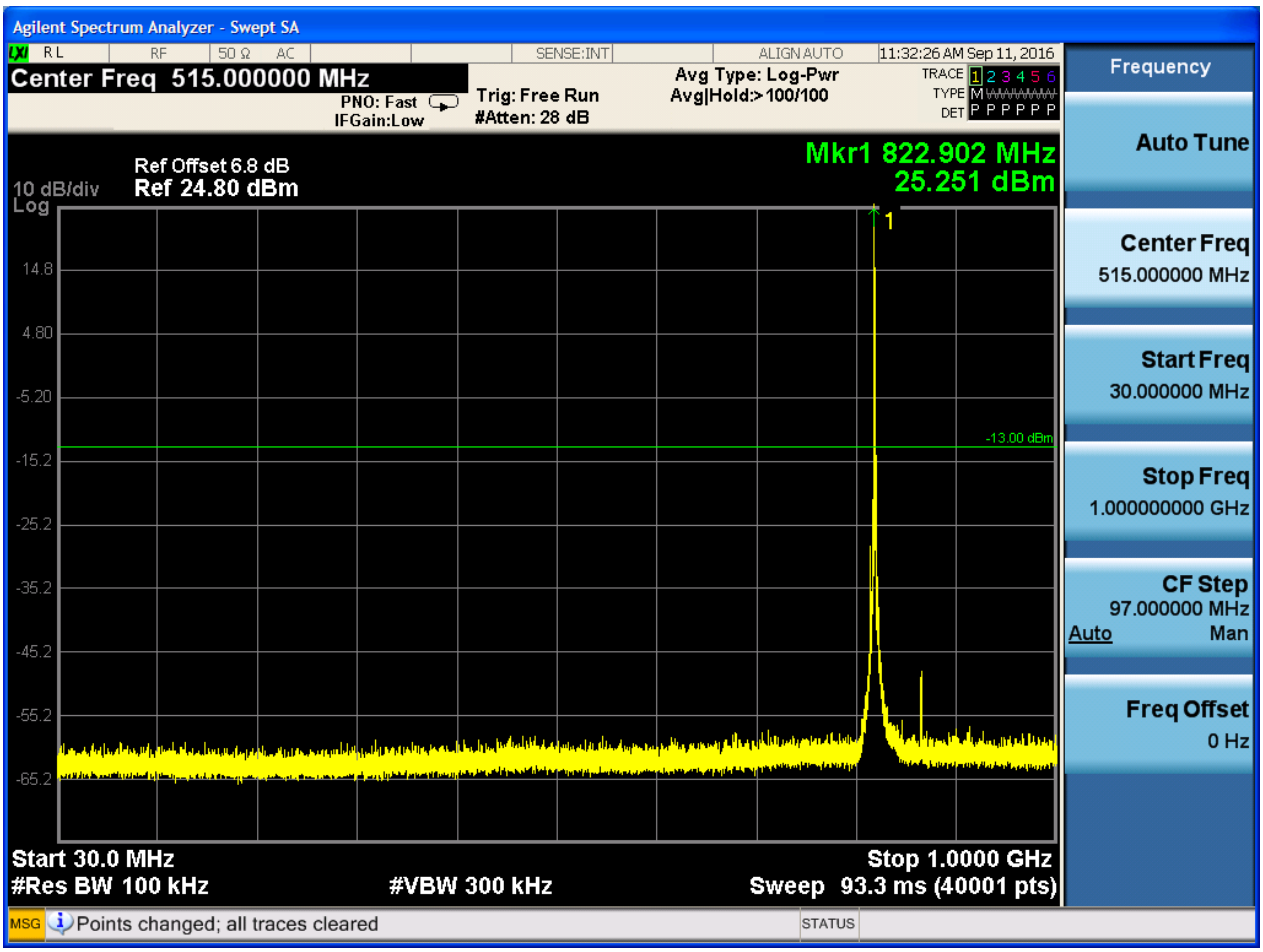

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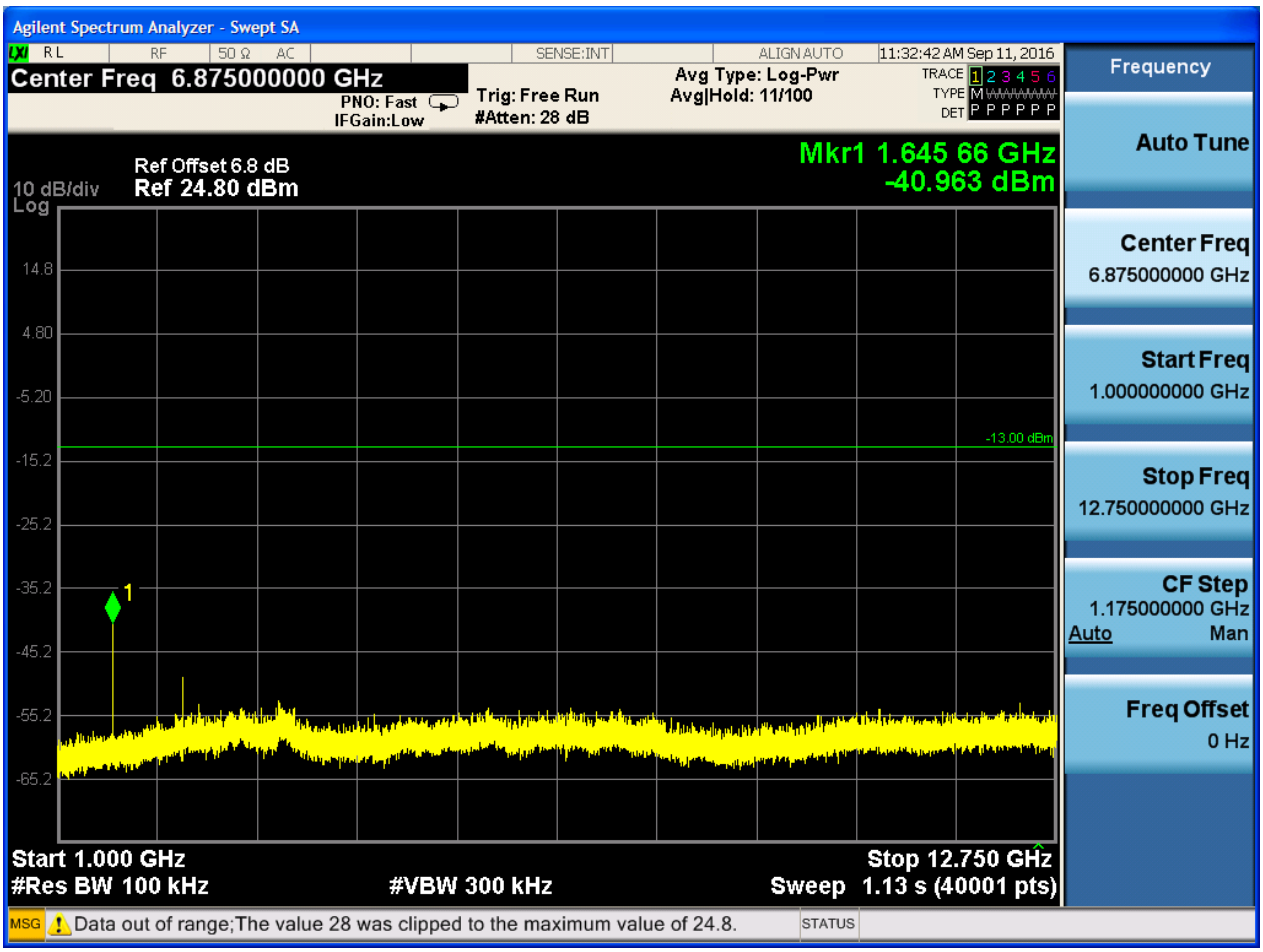

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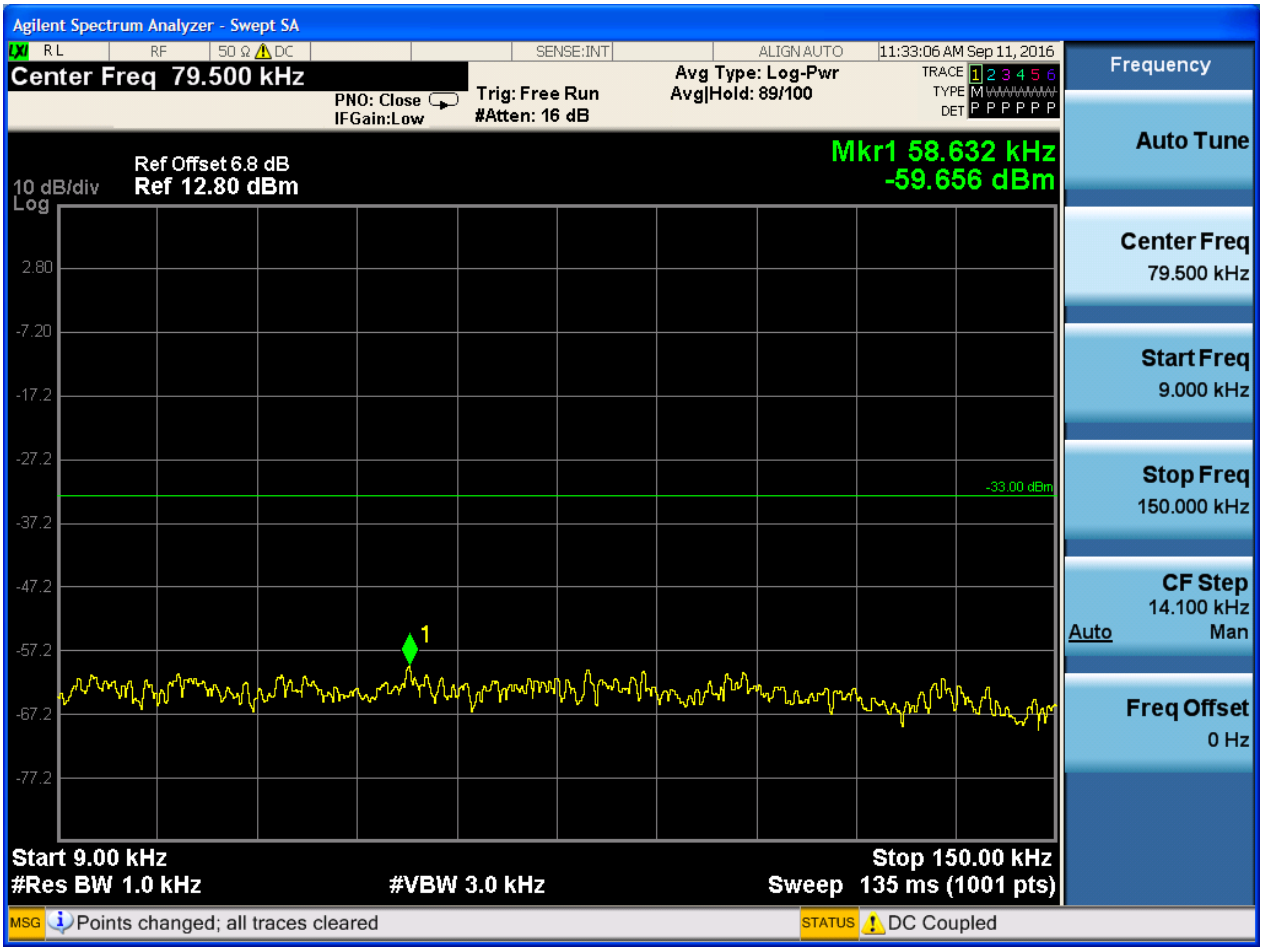
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



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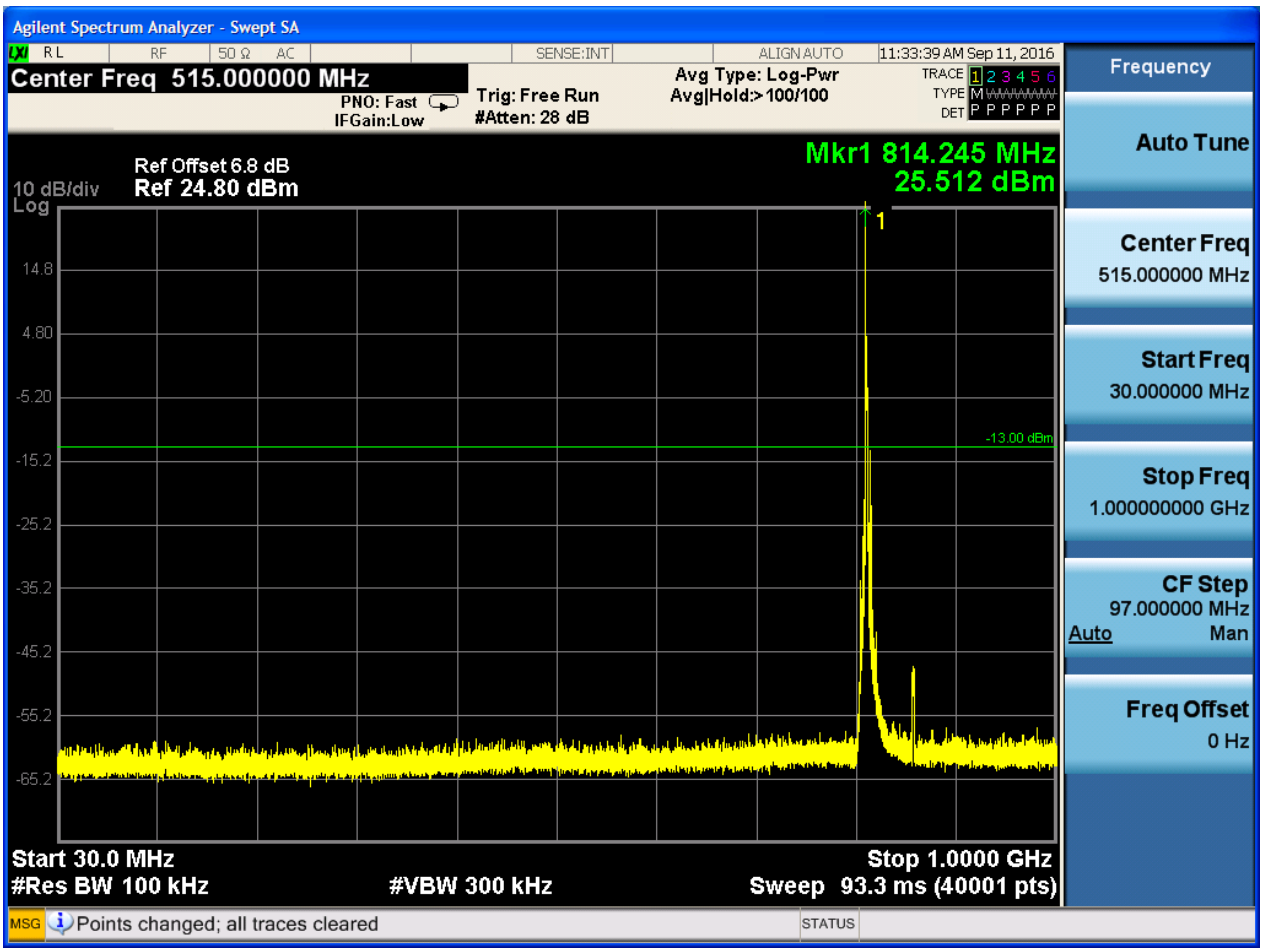

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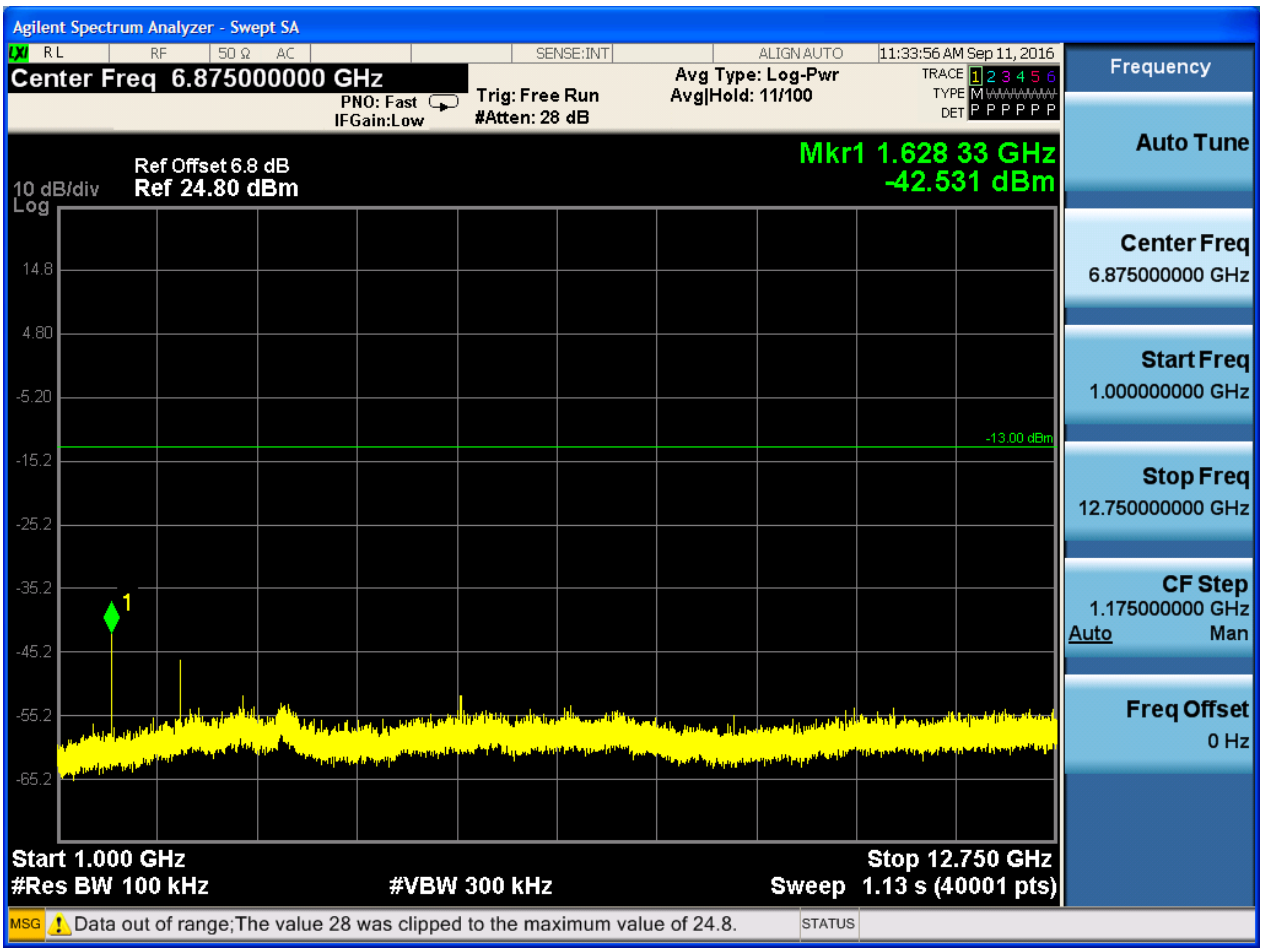

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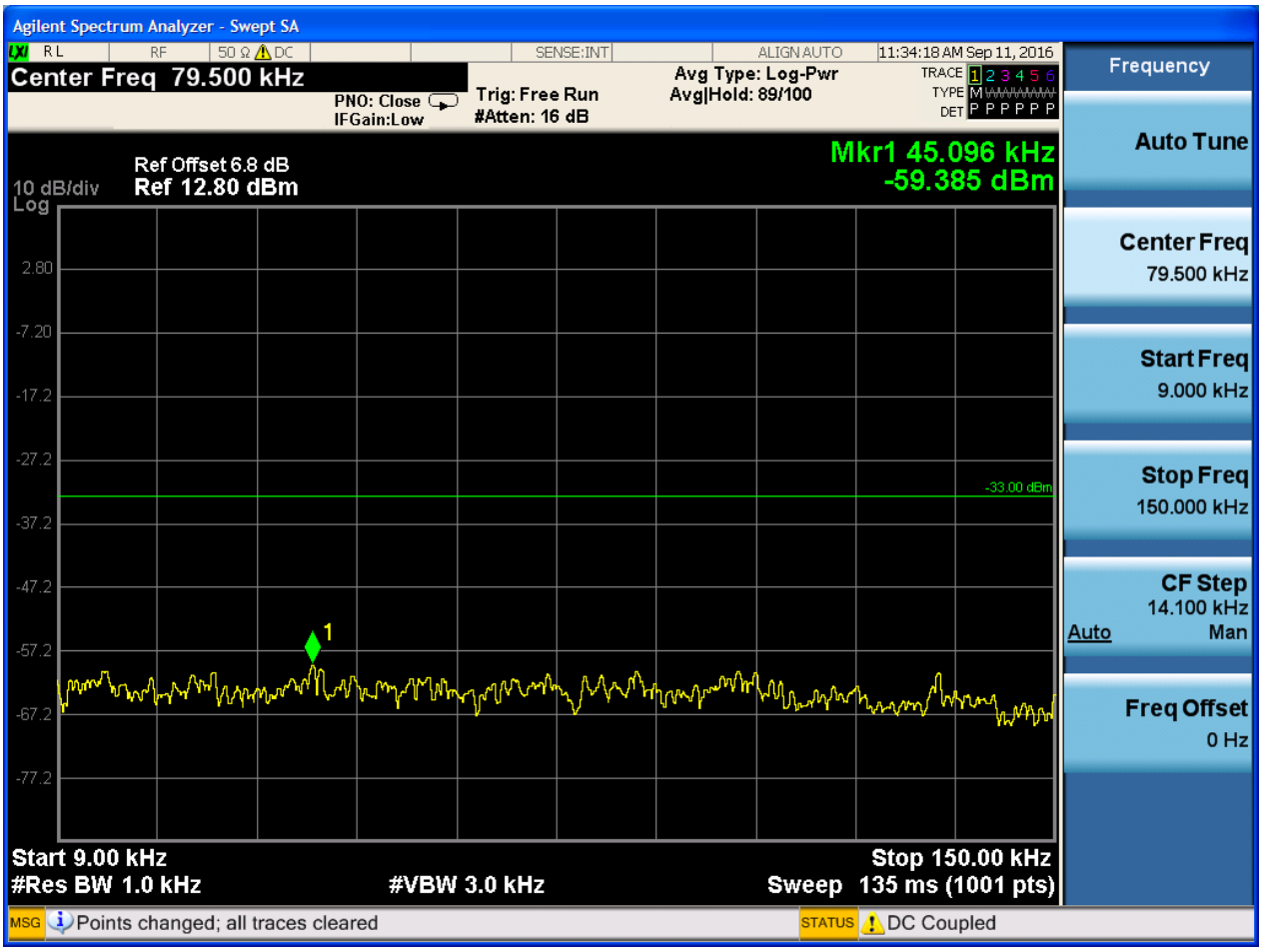
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



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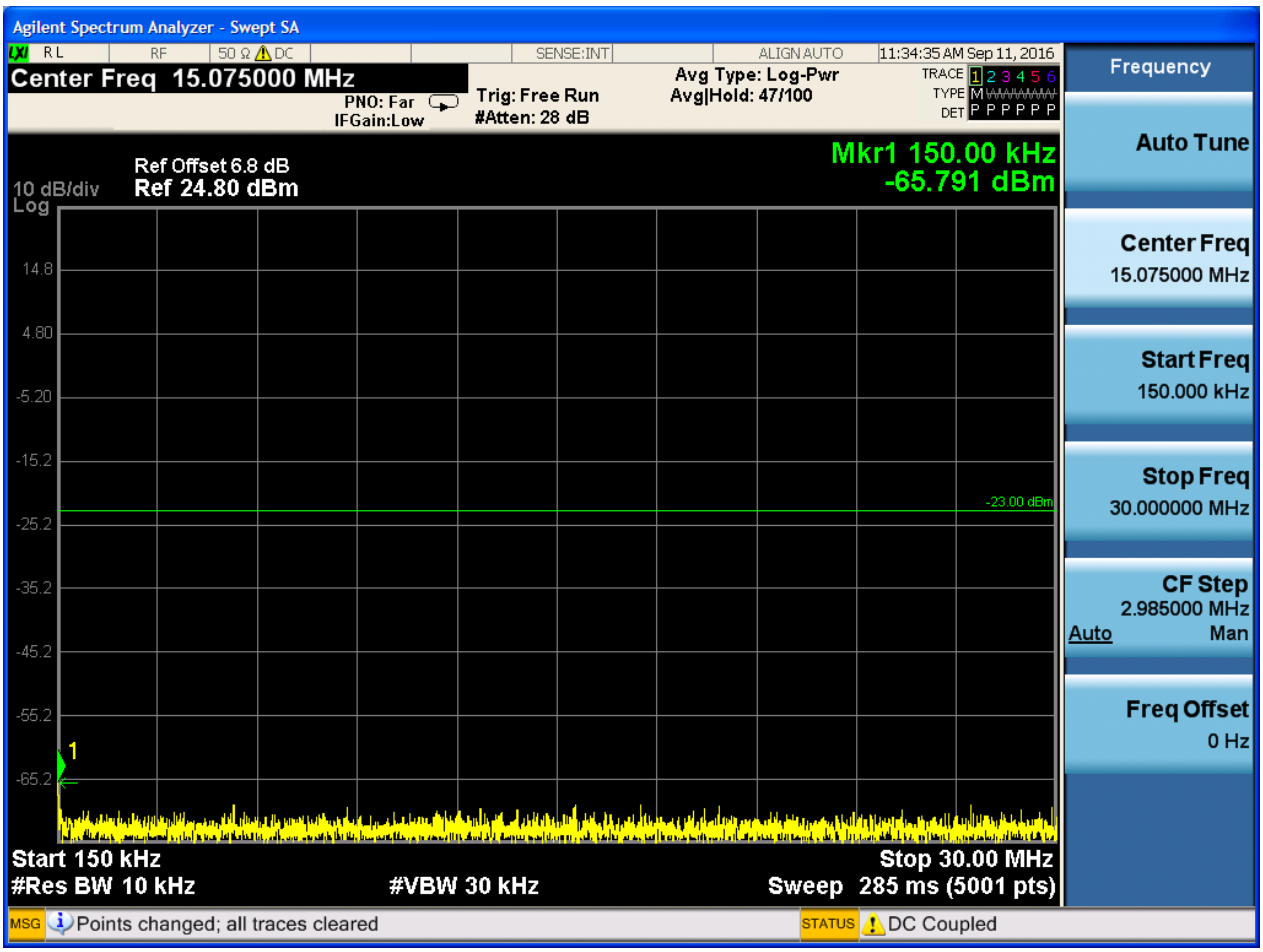

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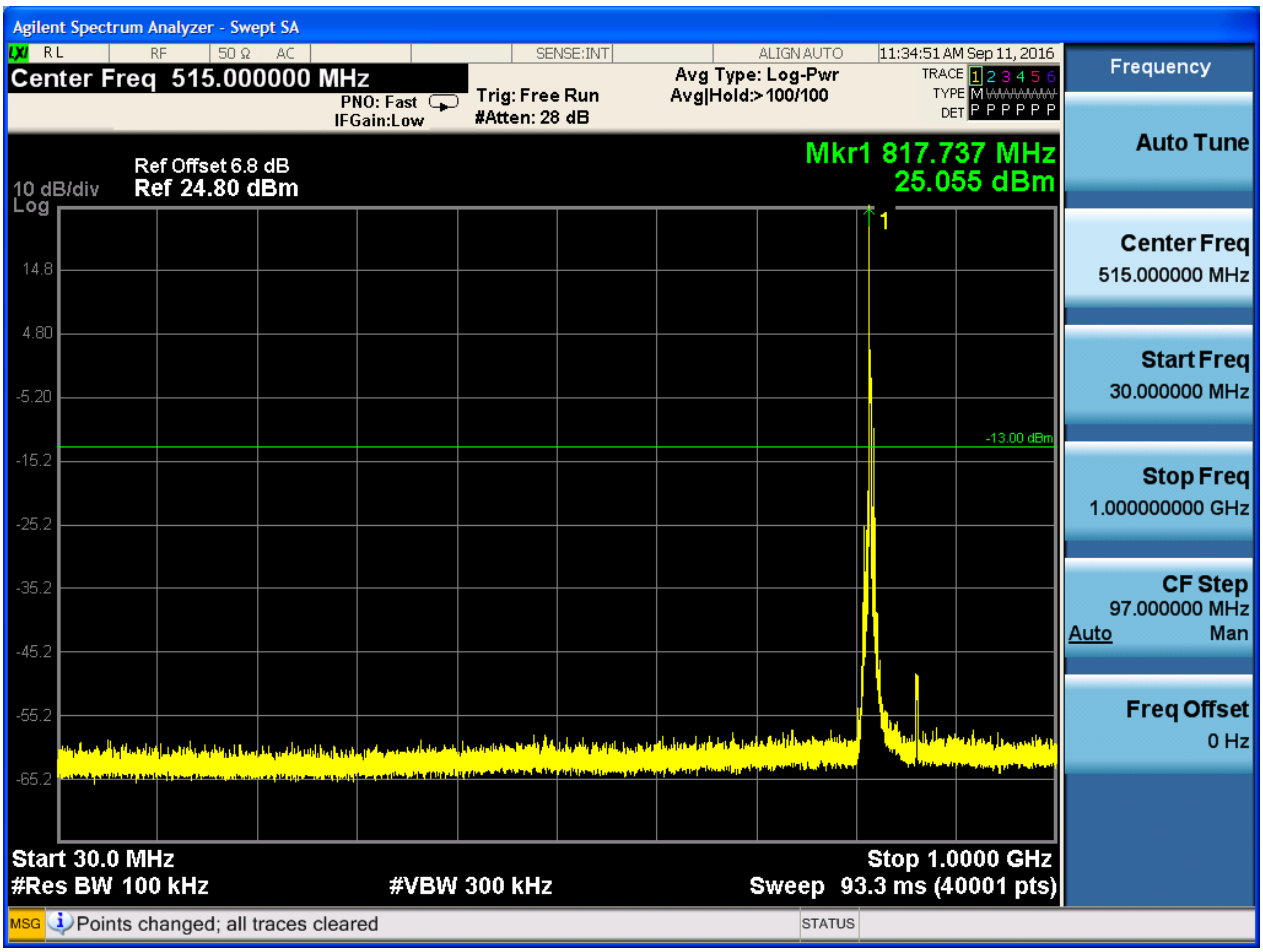

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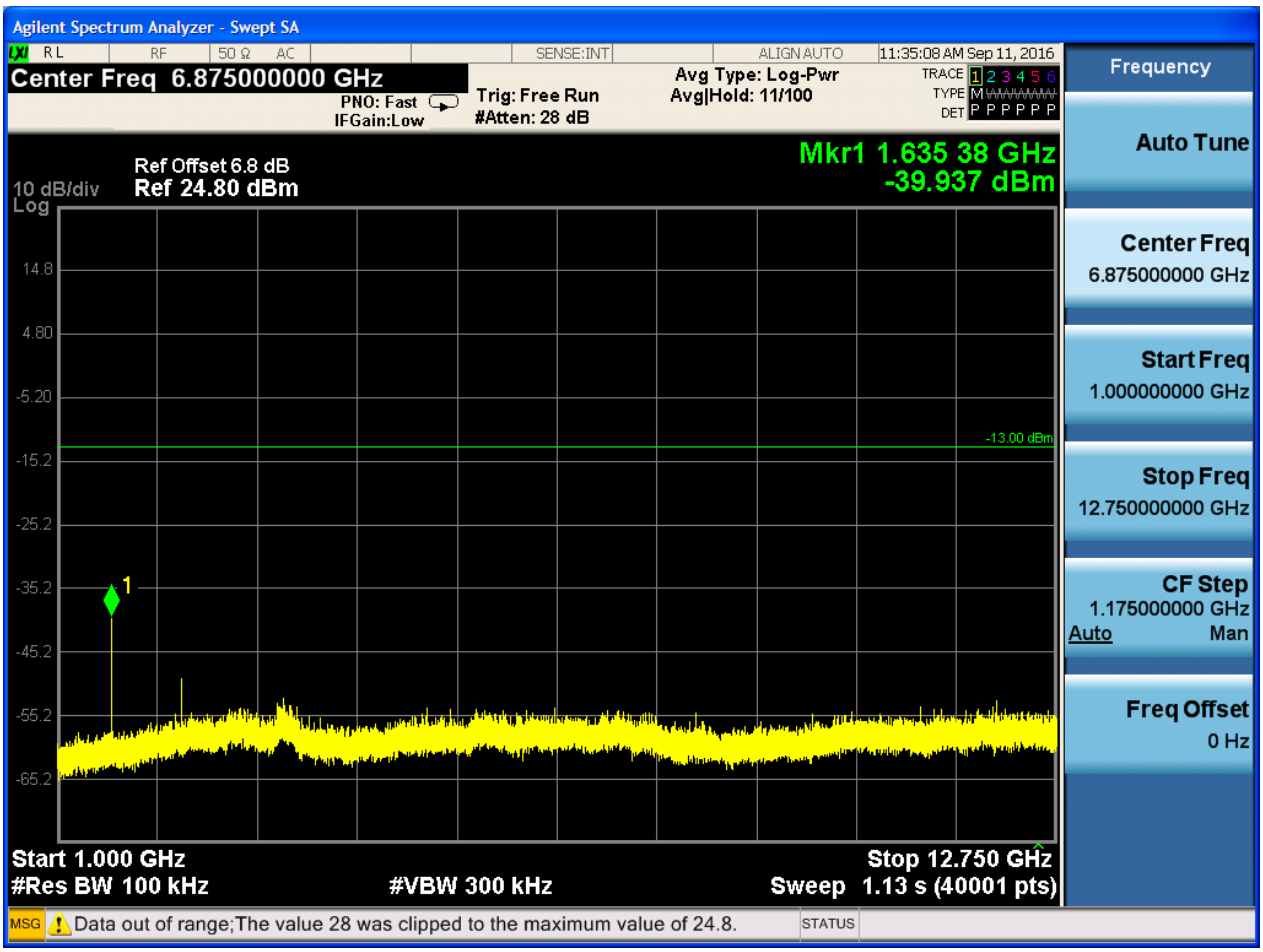

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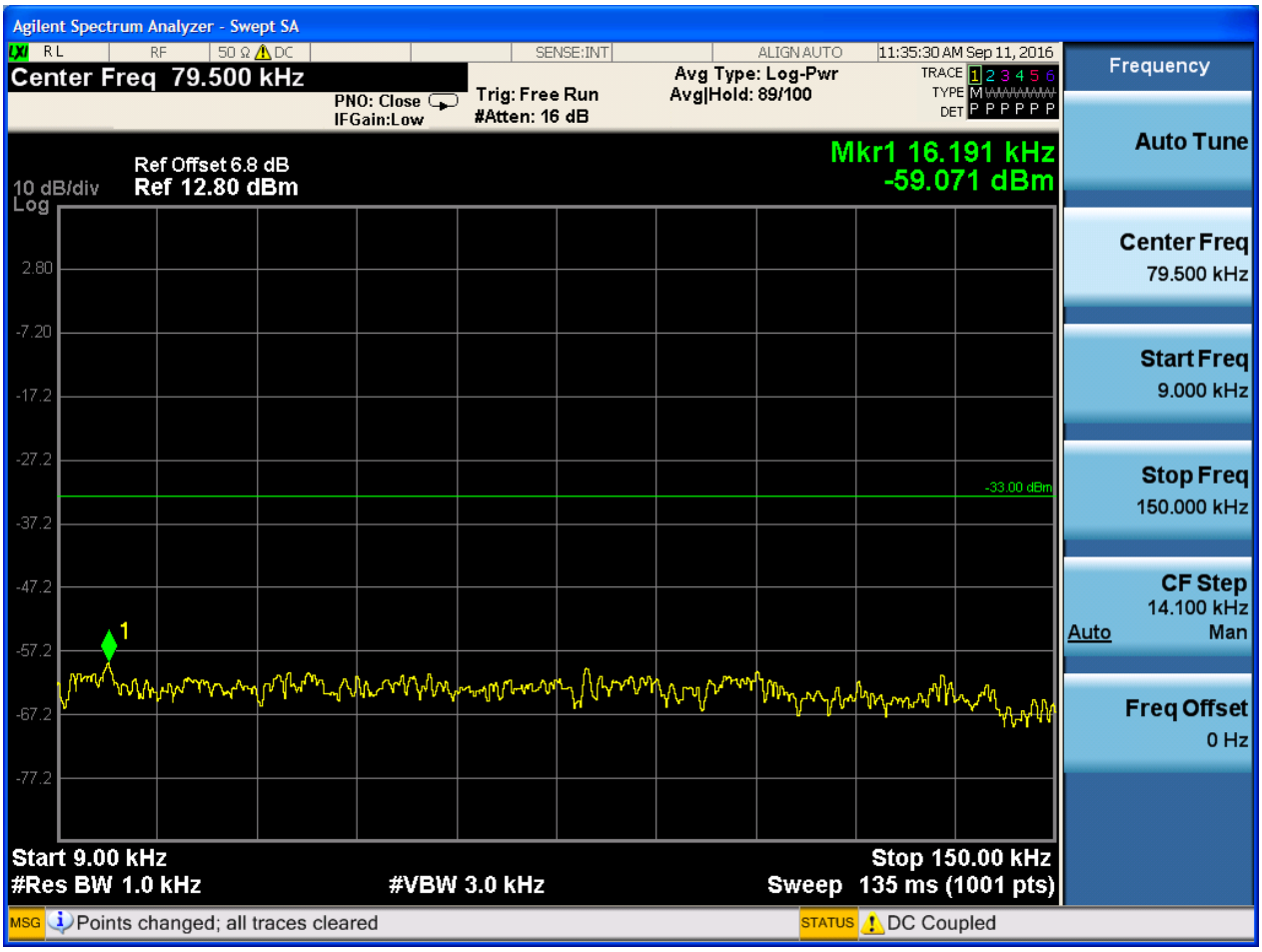
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



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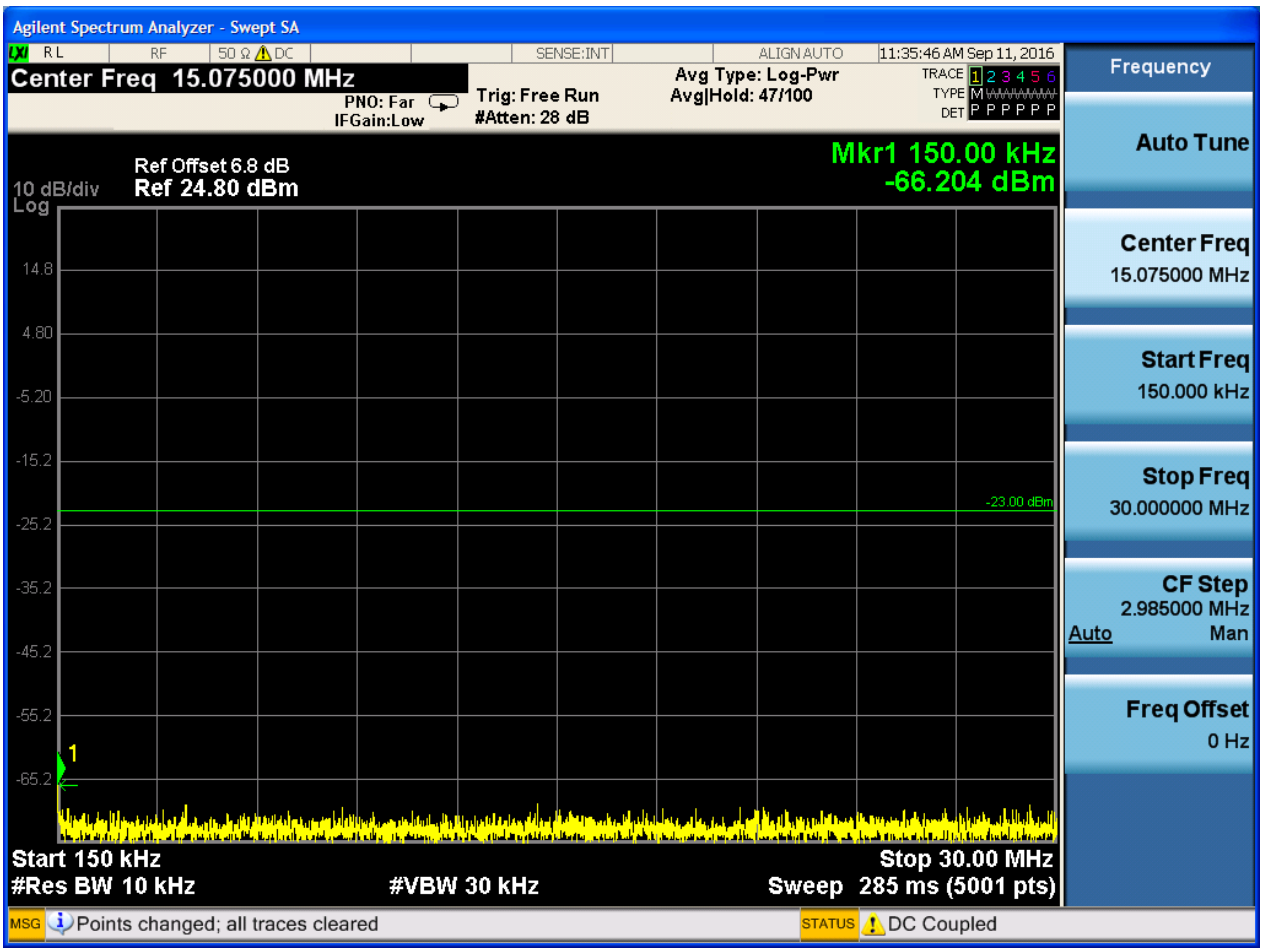

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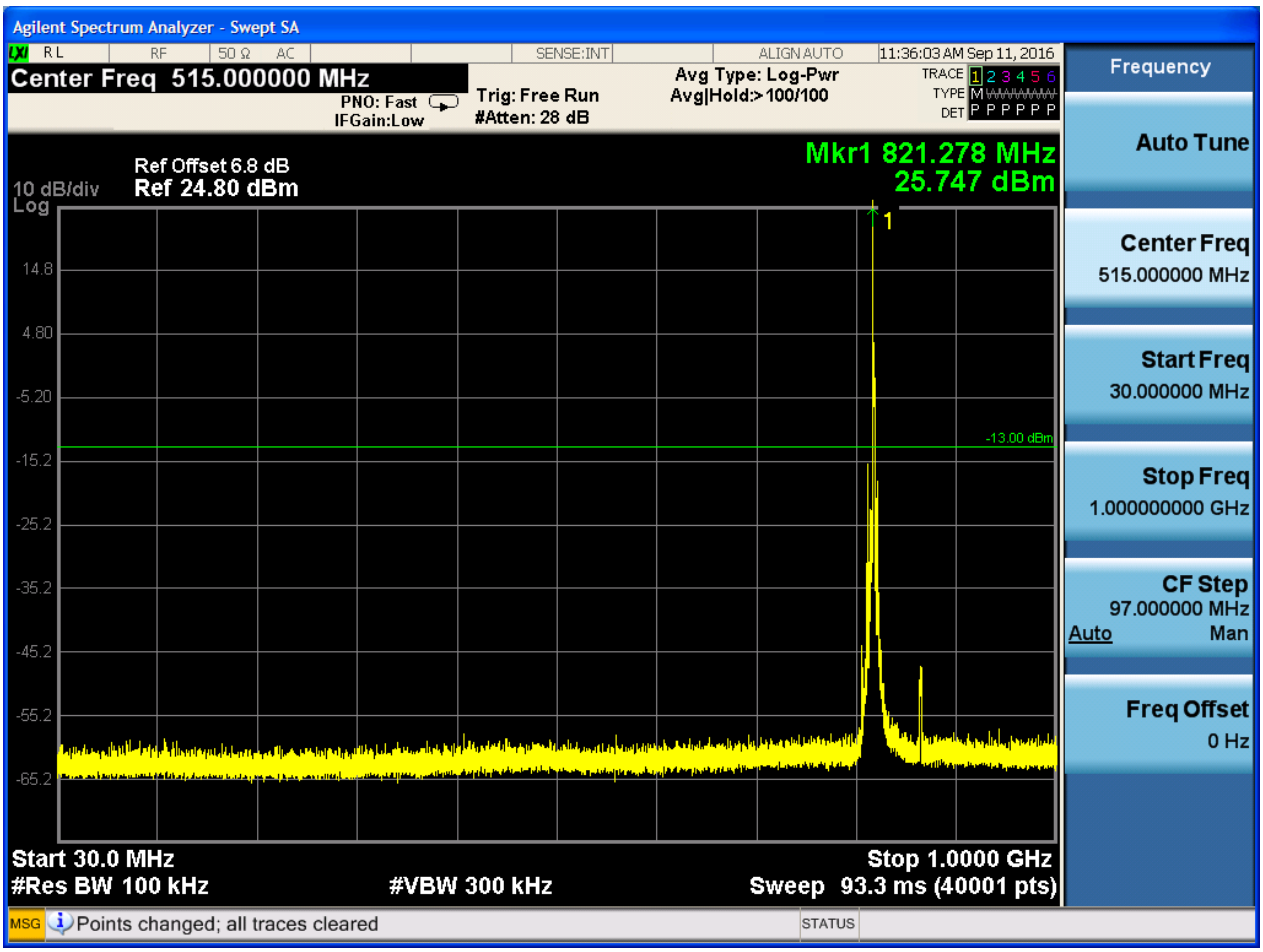

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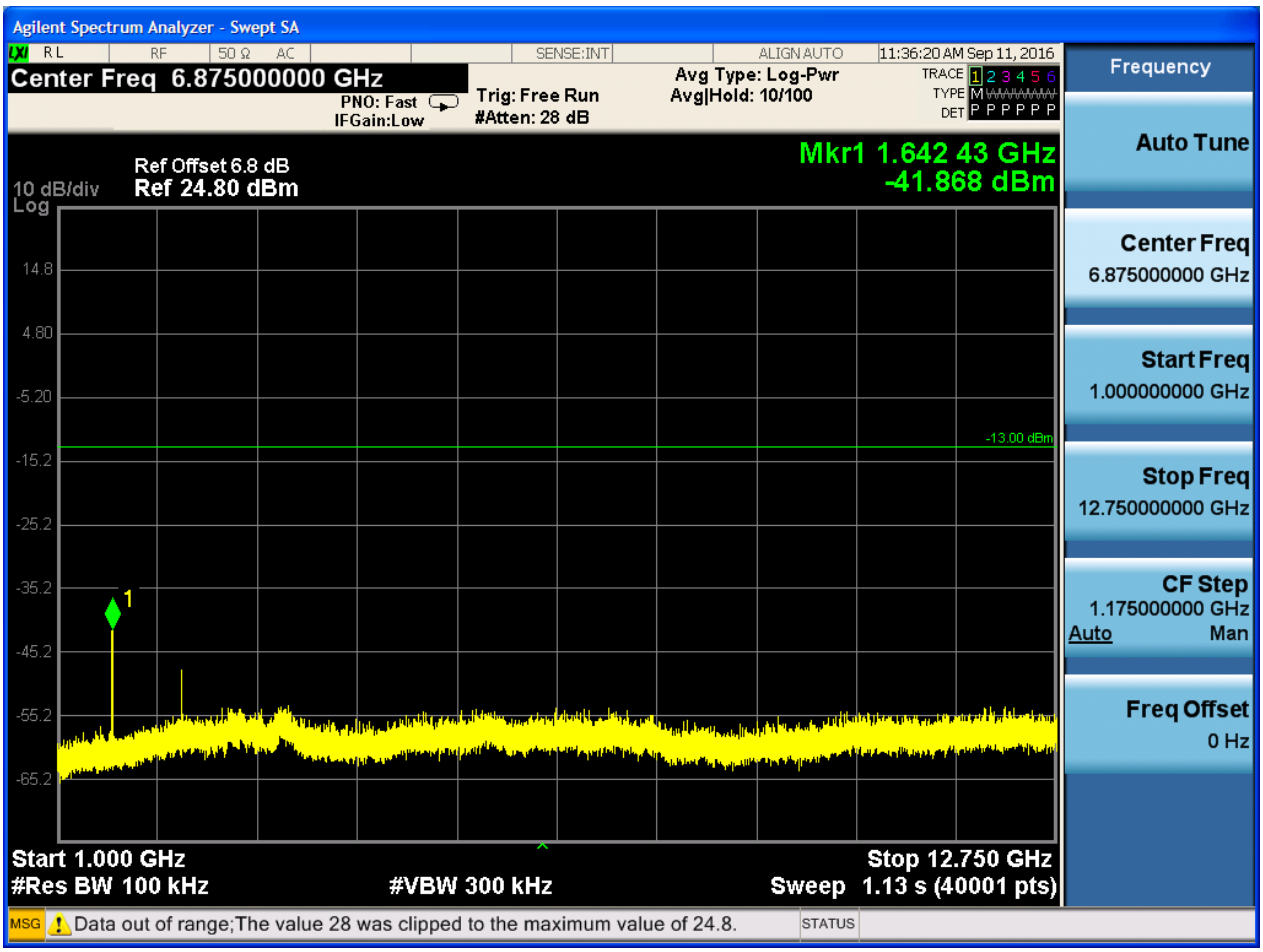

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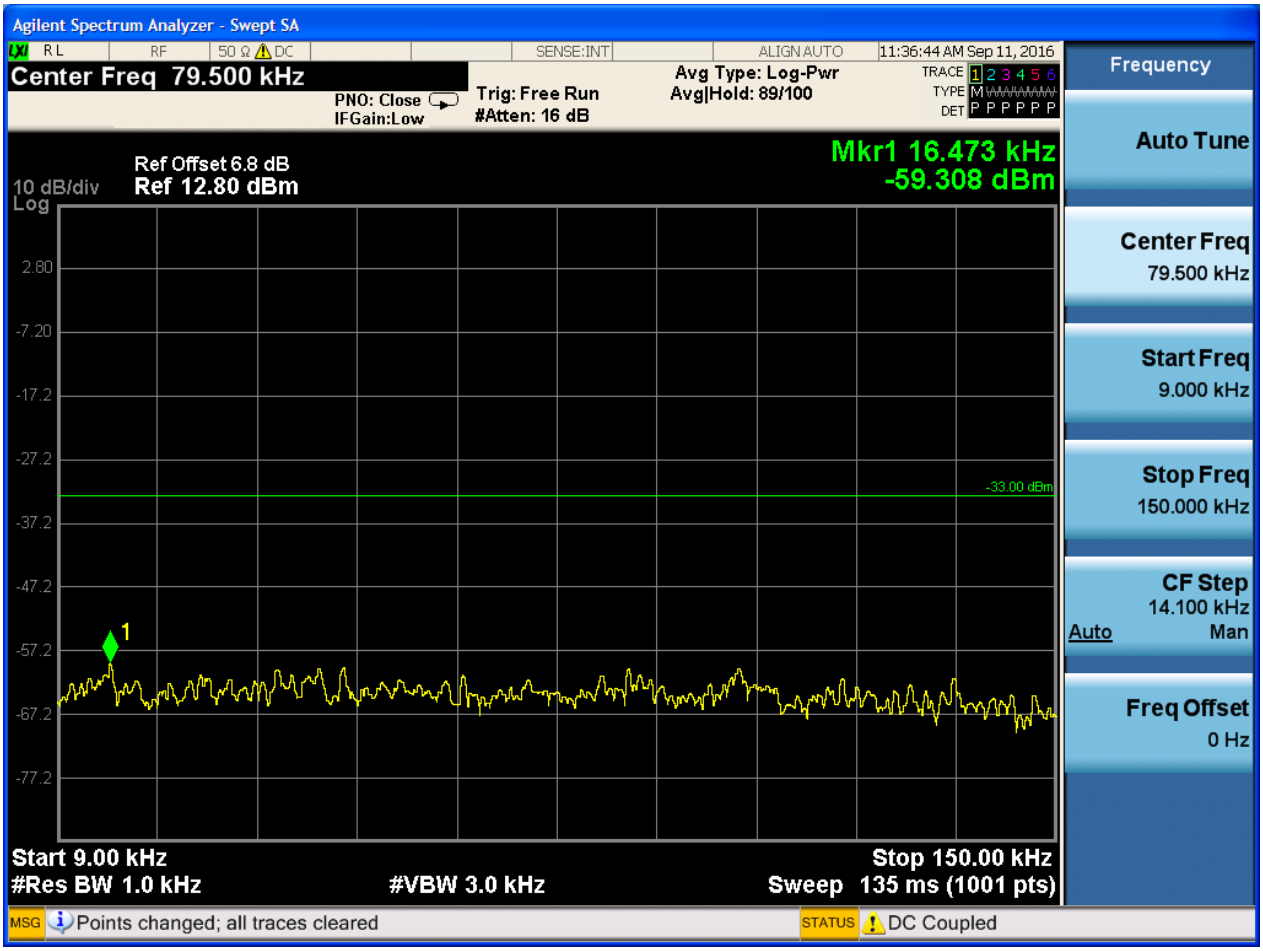
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



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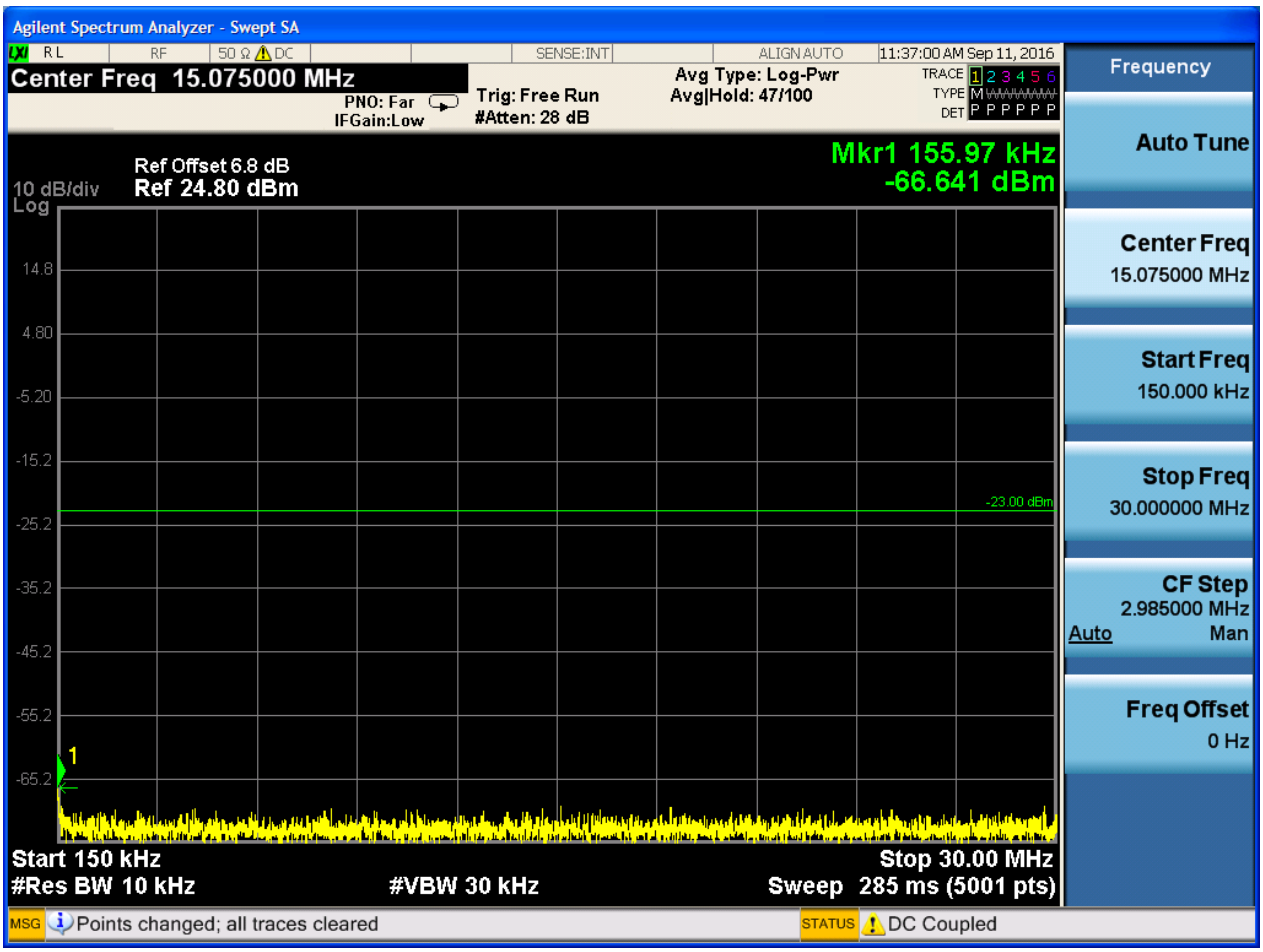

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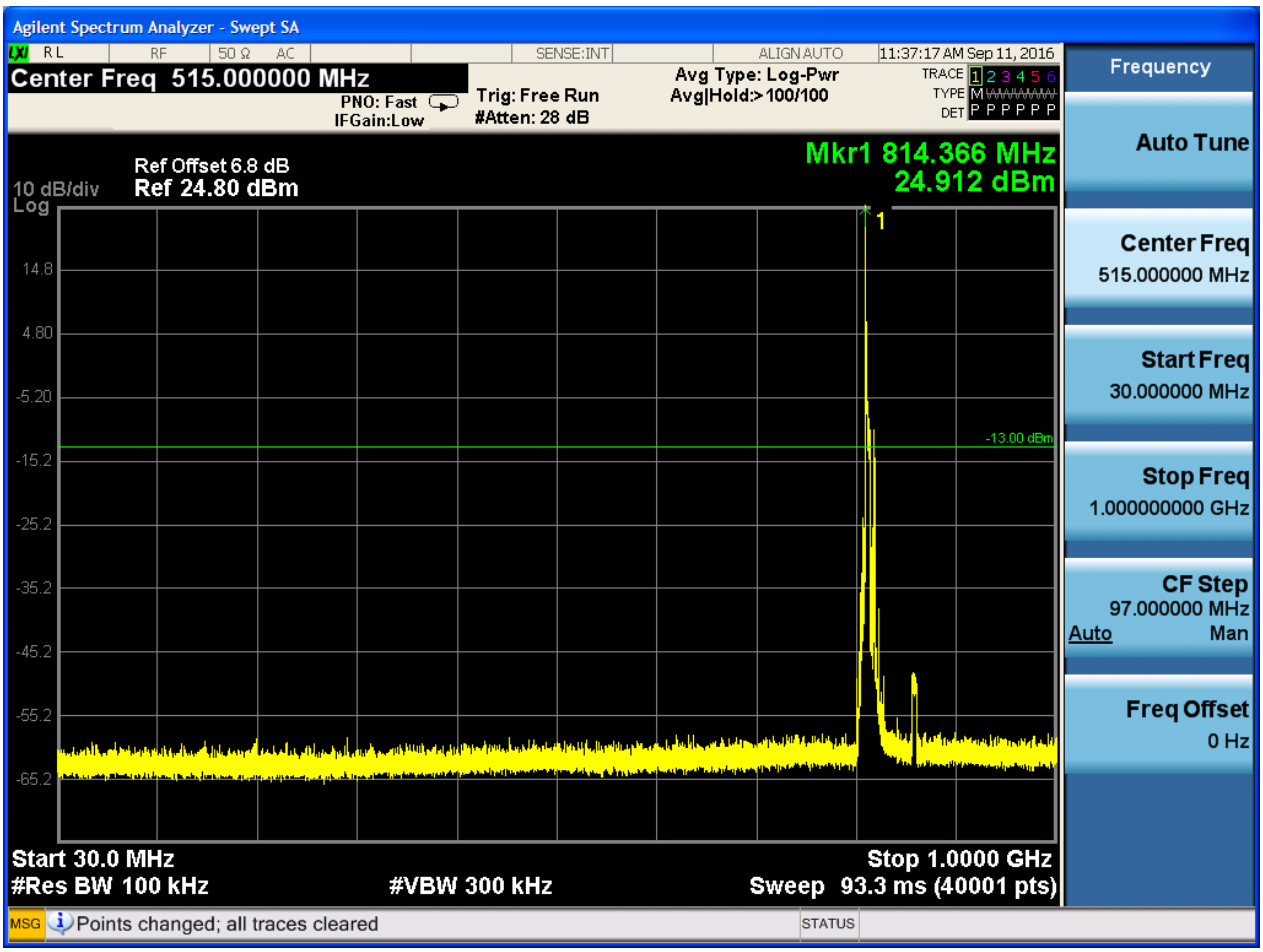

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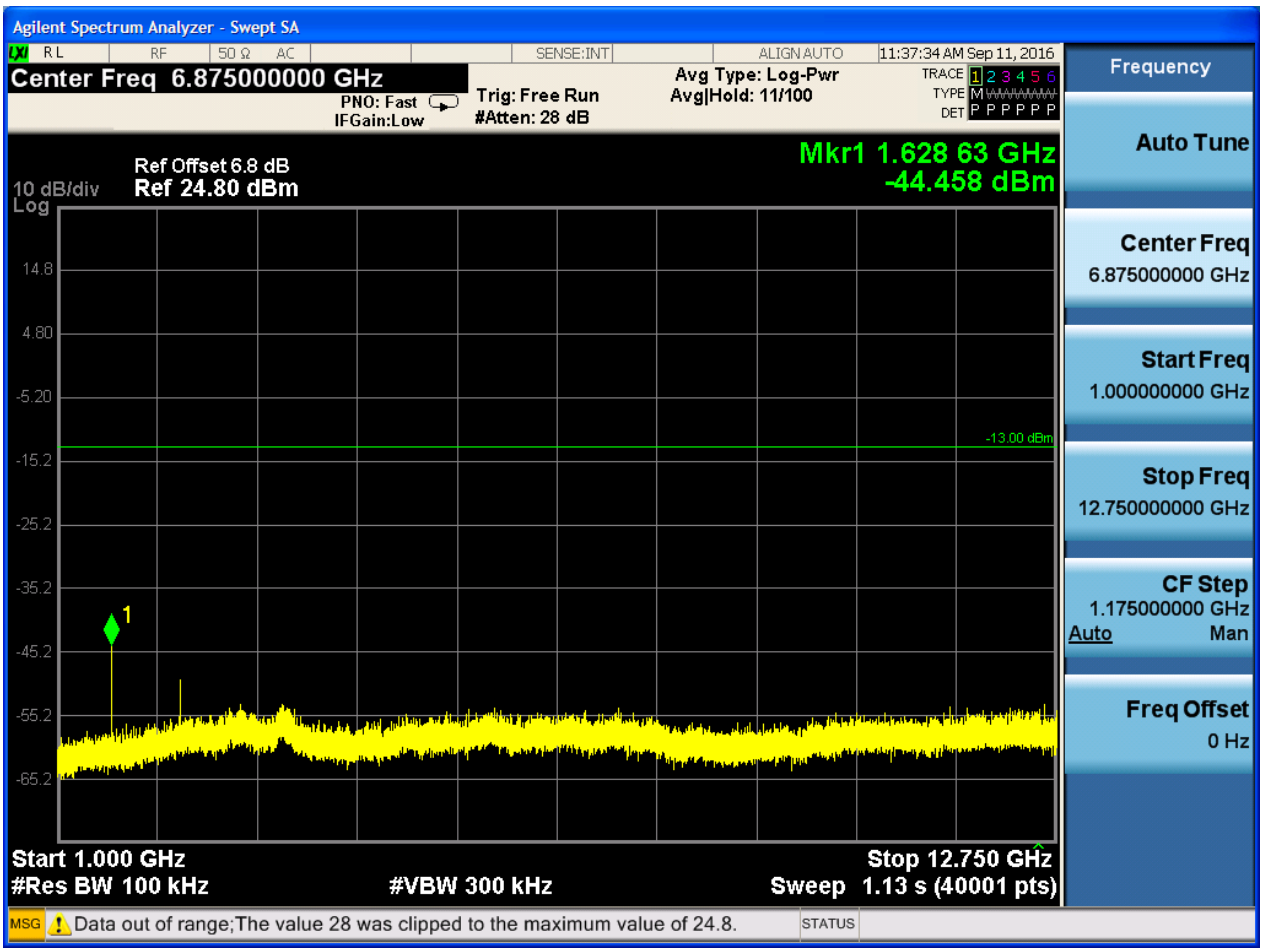

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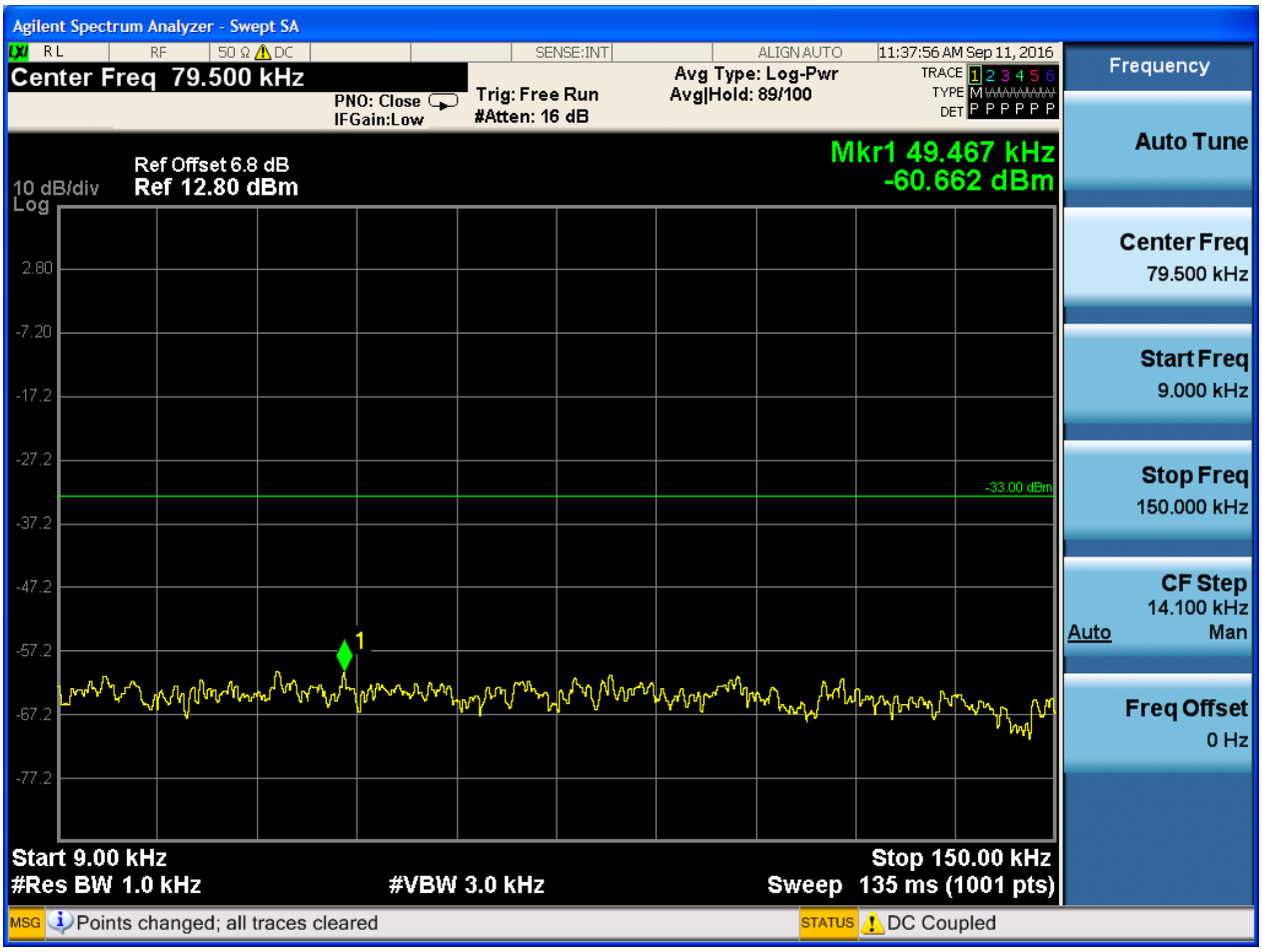
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



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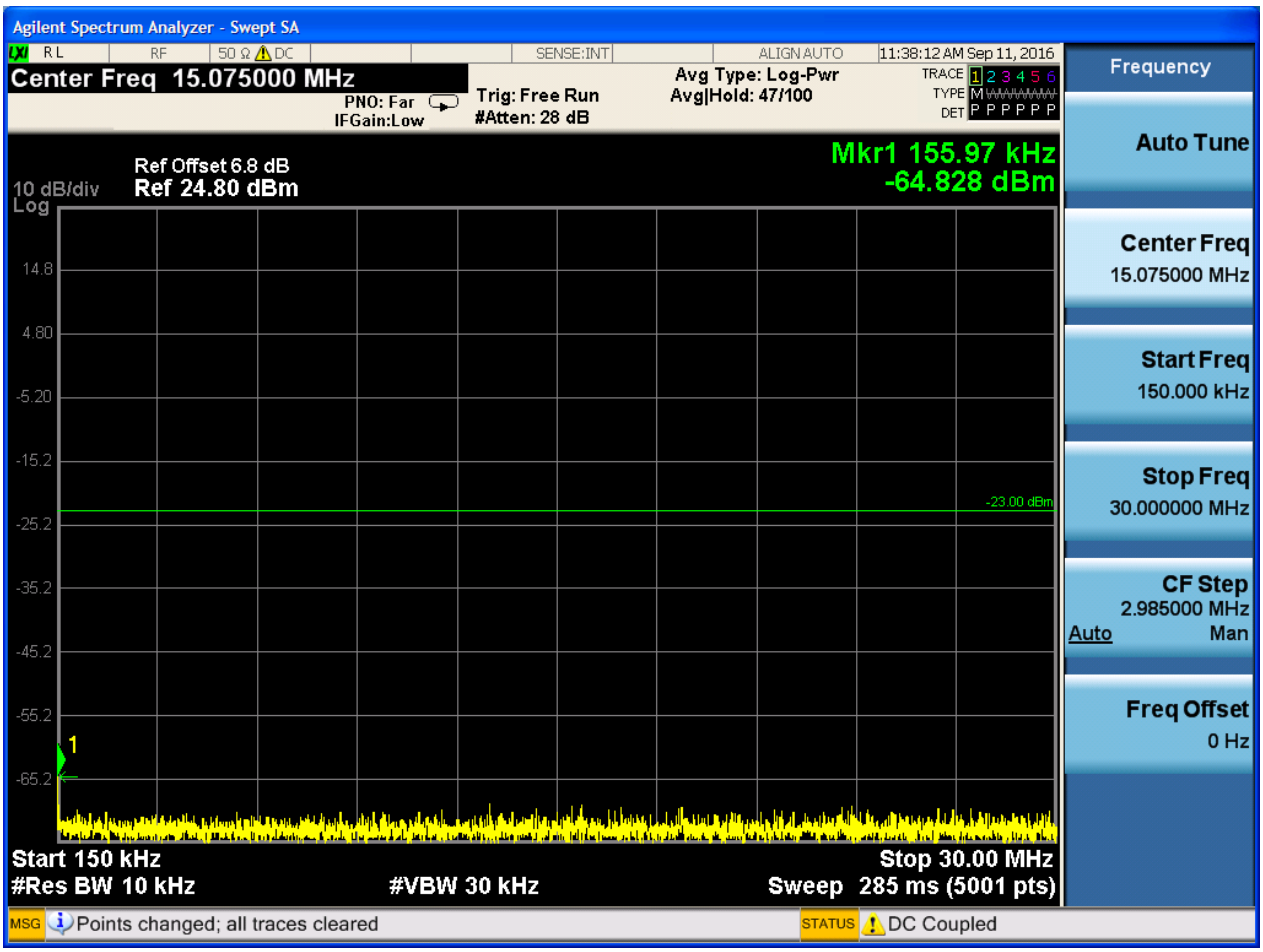

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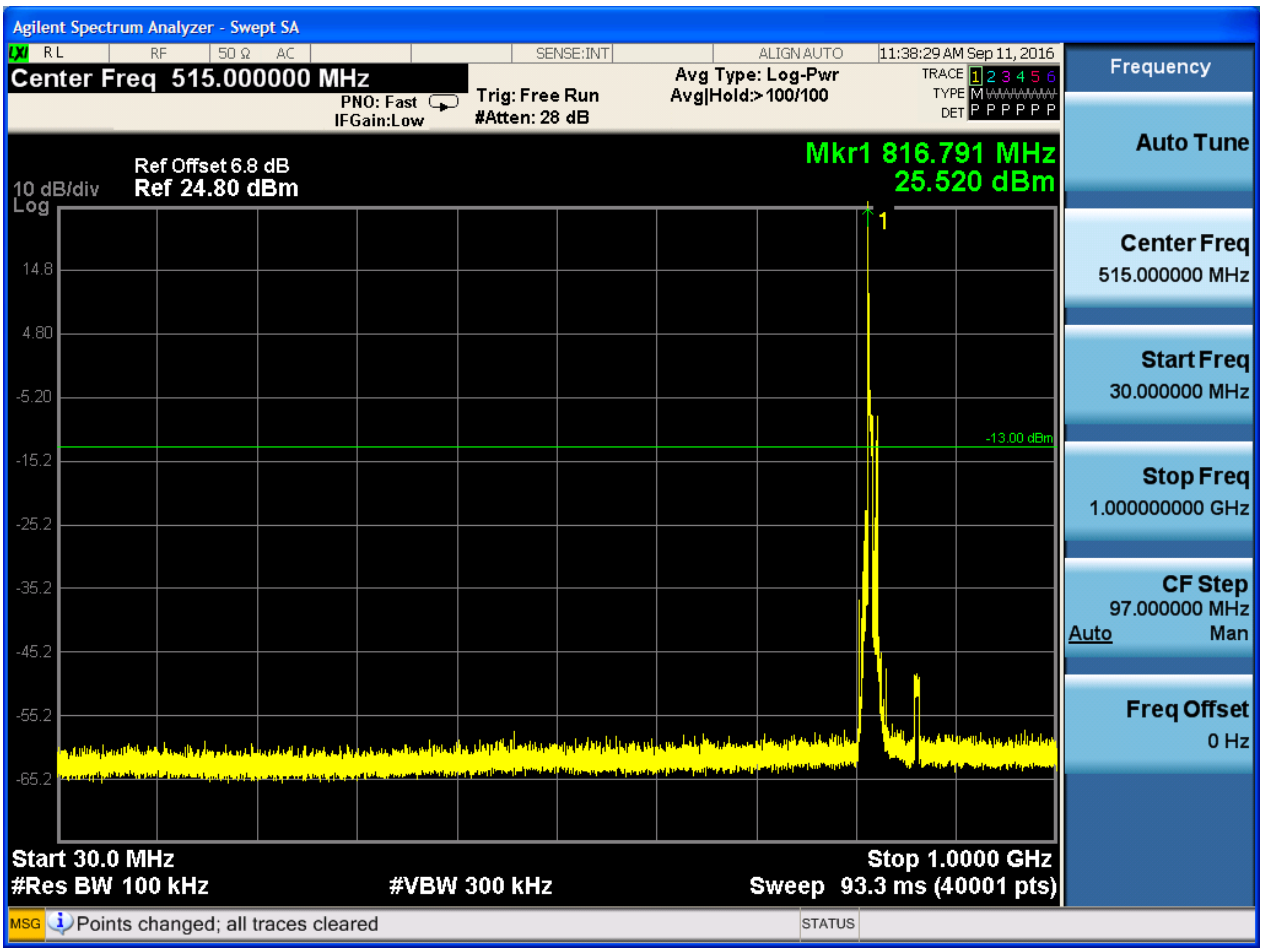

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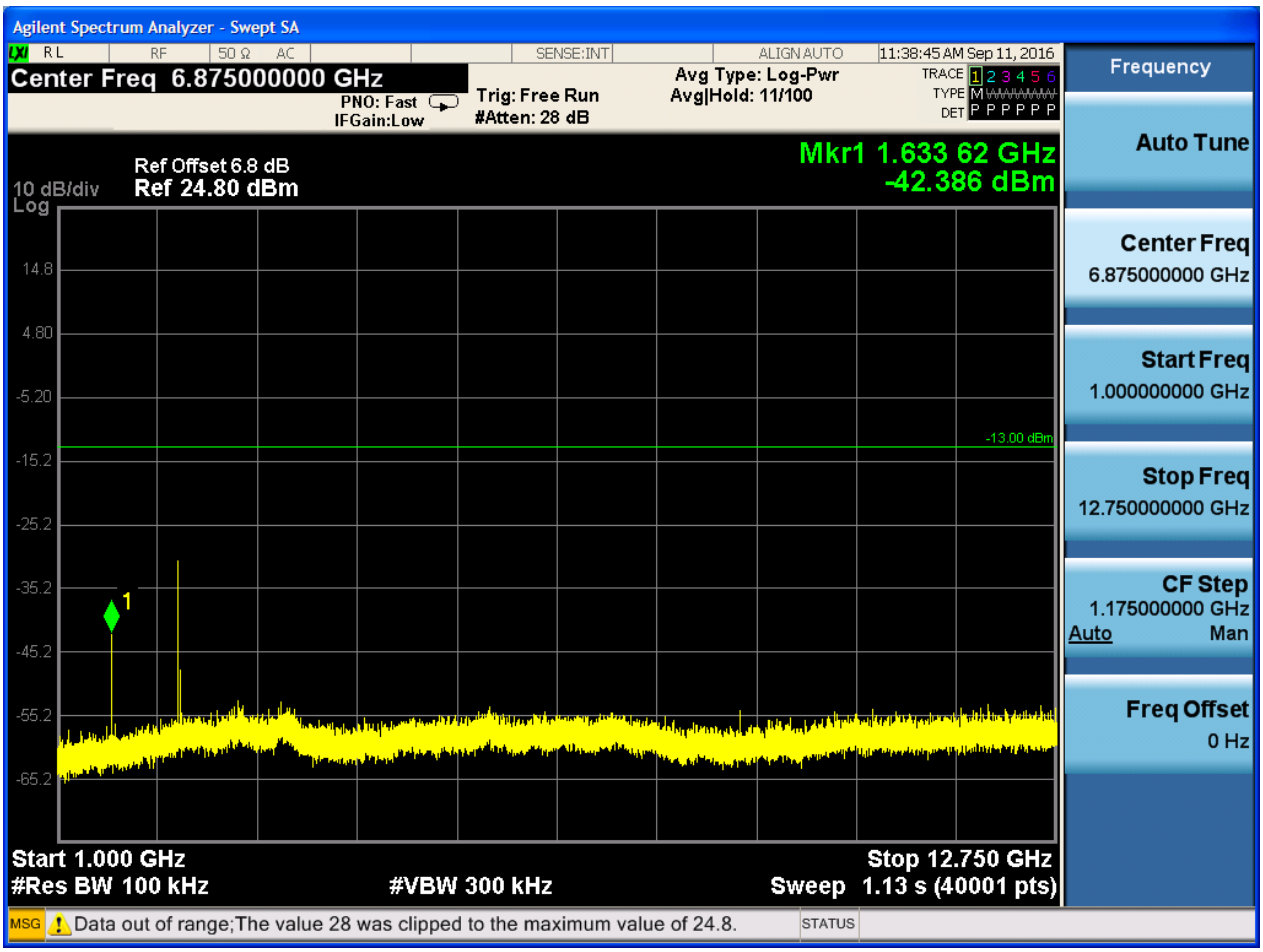

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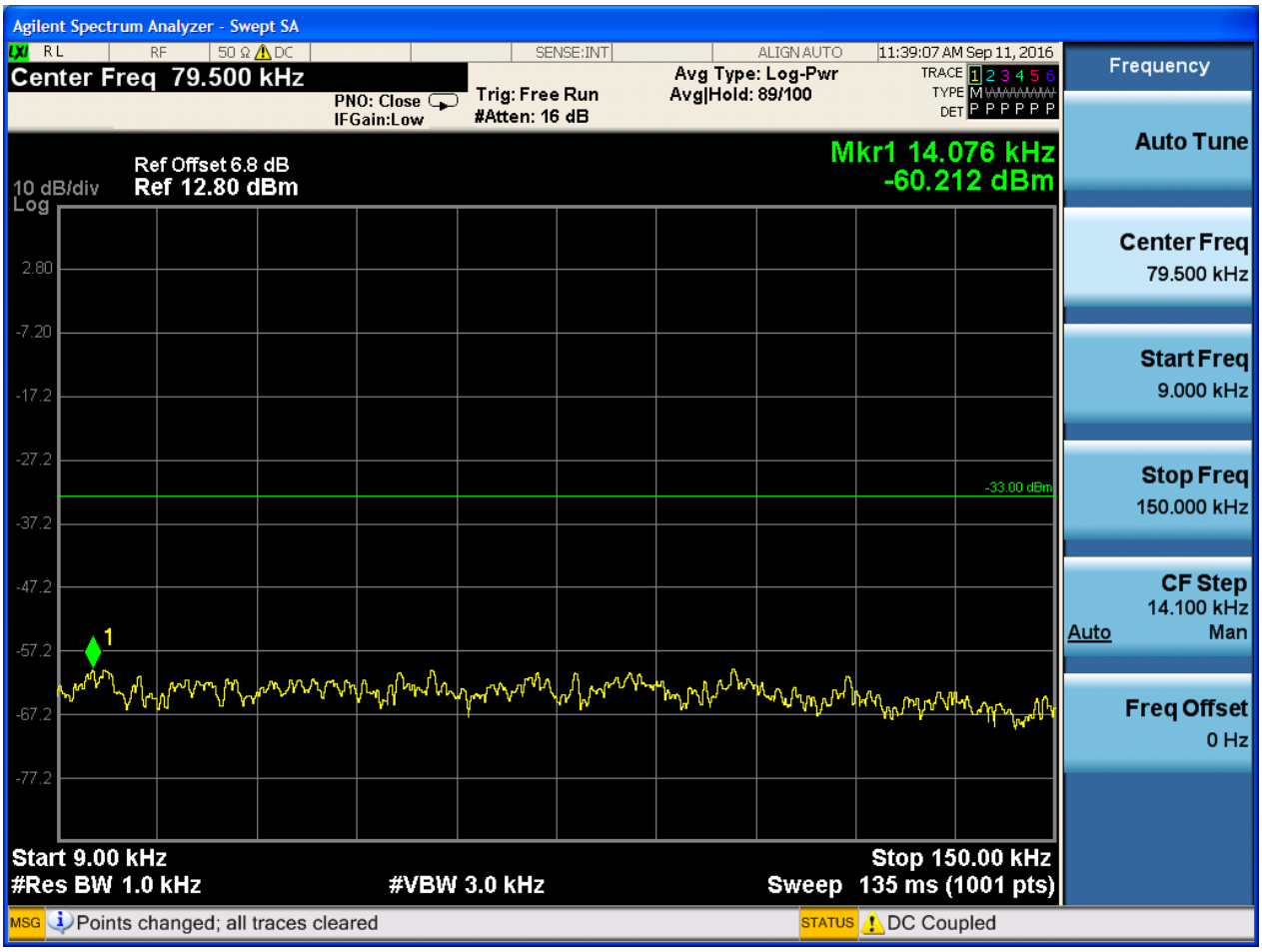
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



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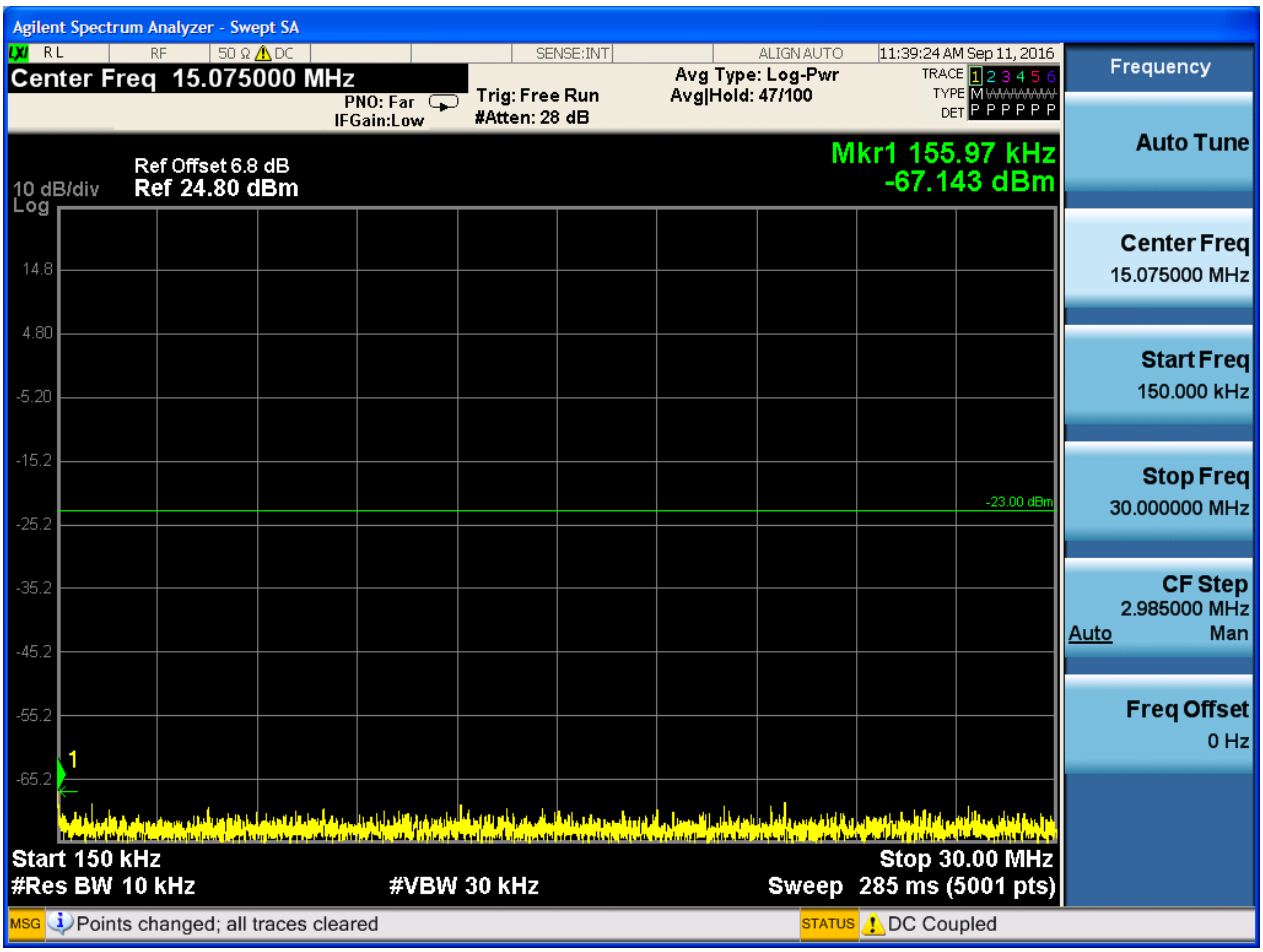

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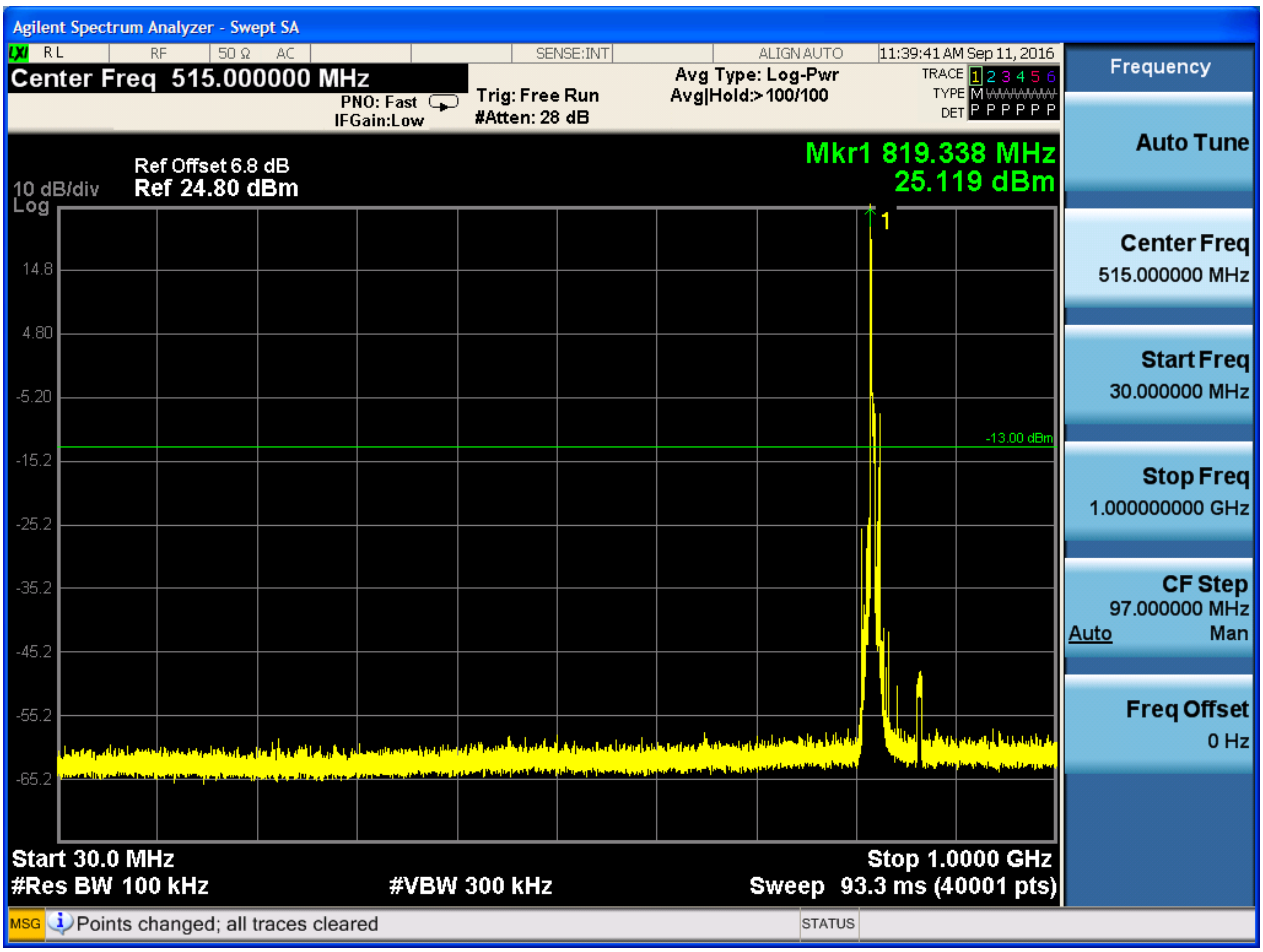

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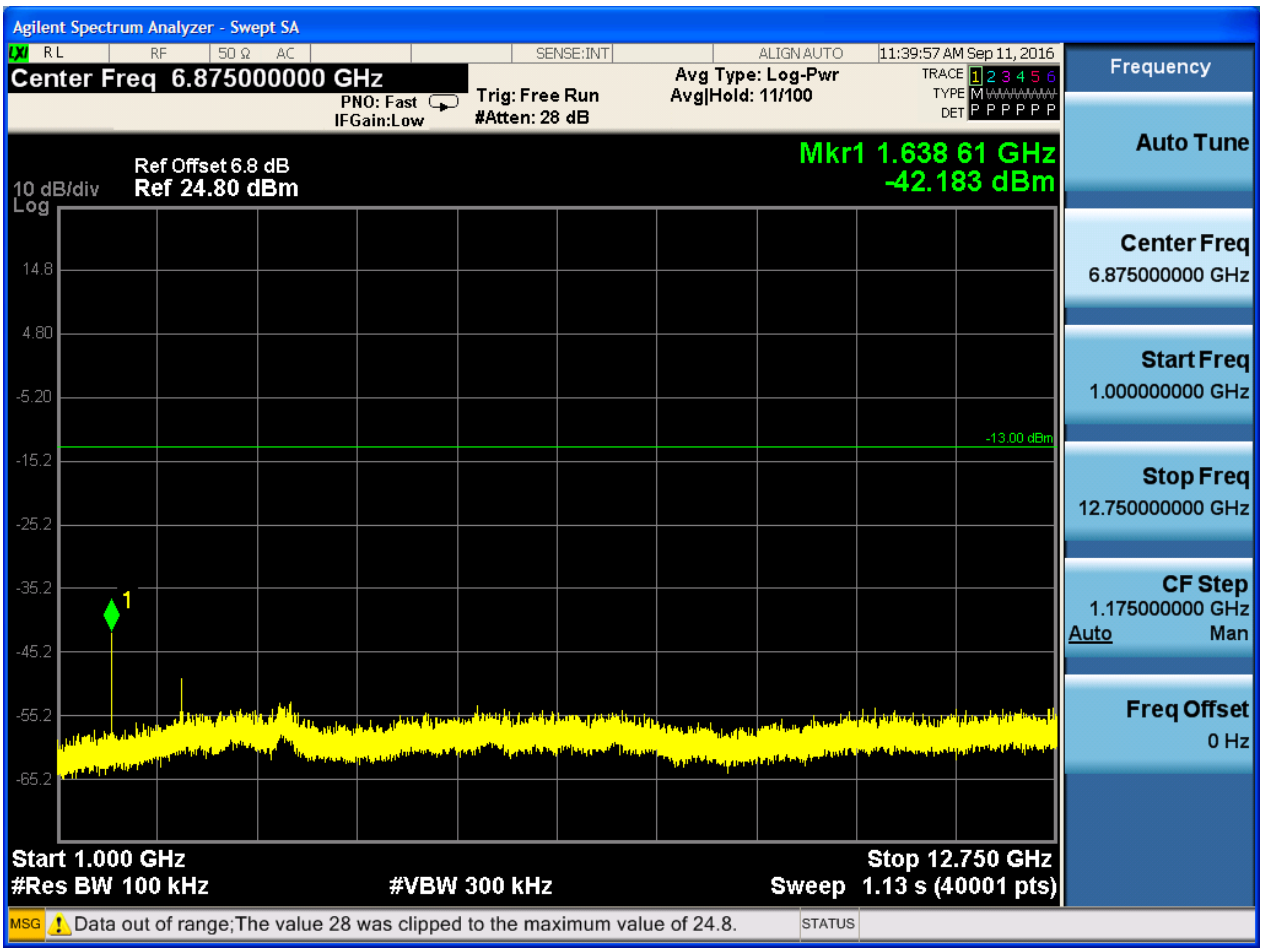

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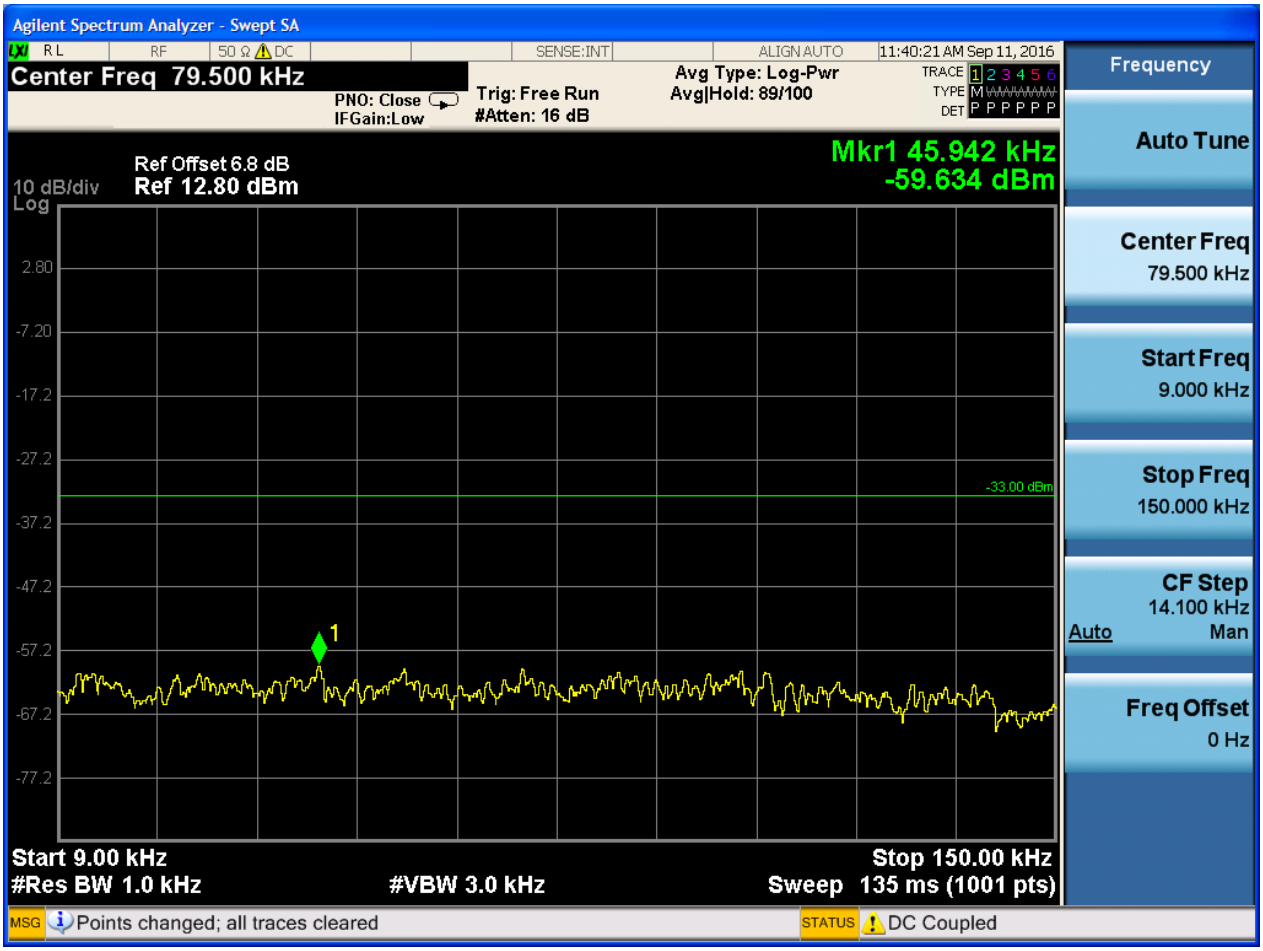
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



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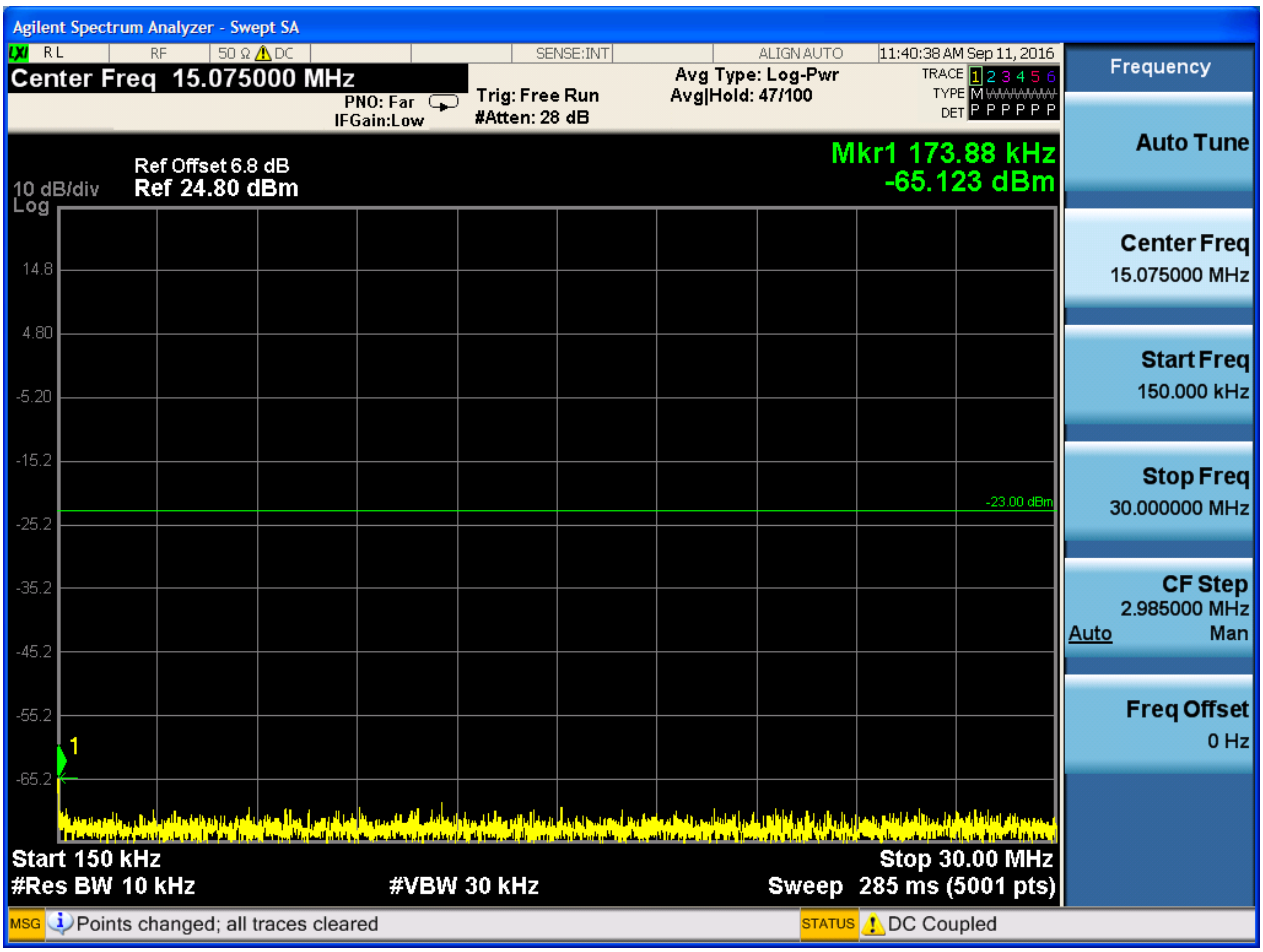

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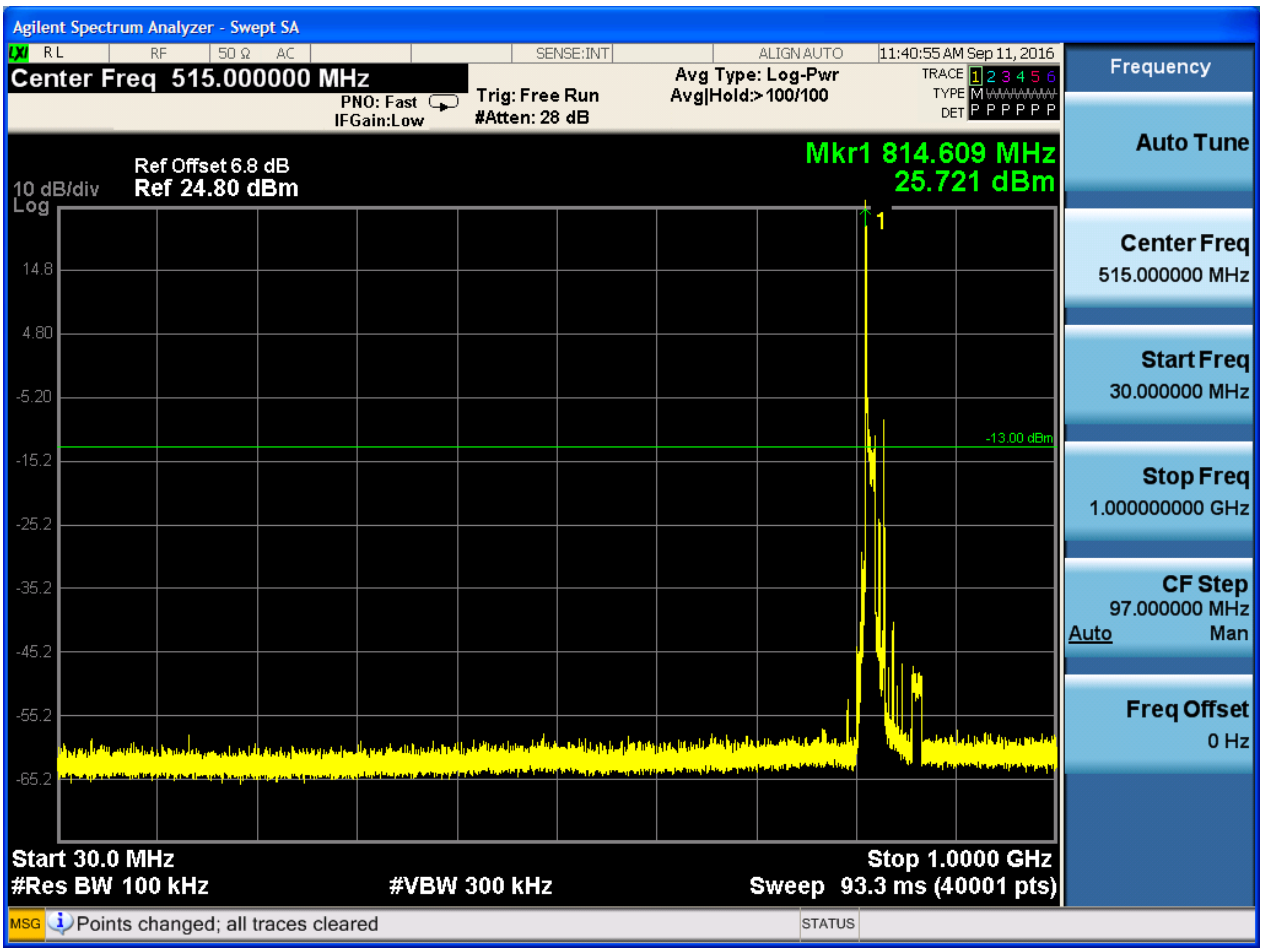

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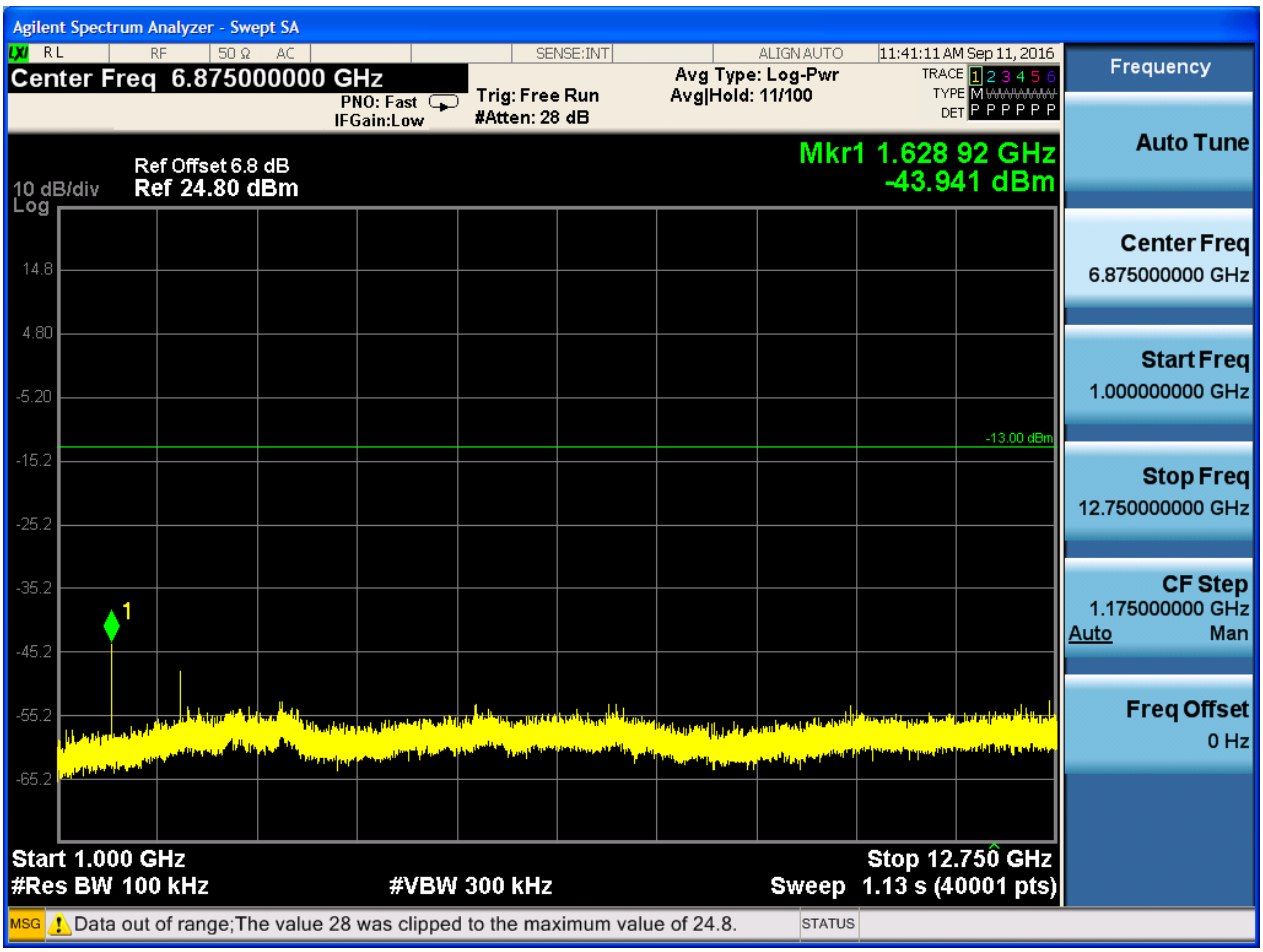

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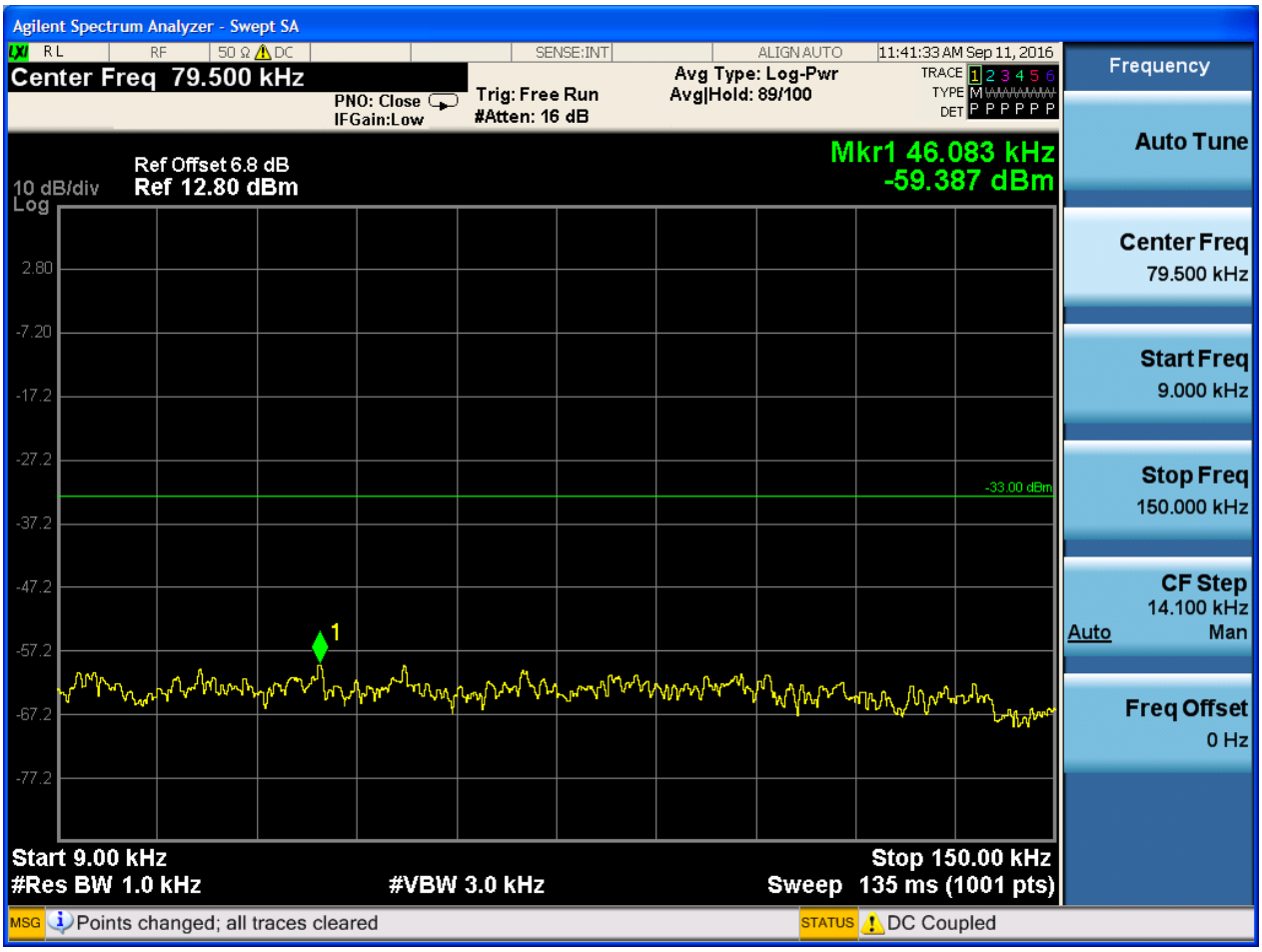
5.1.1.2.4.2 Test Channel = MCH

5.1.1.2.4.2.1 Test RB = RB1#0



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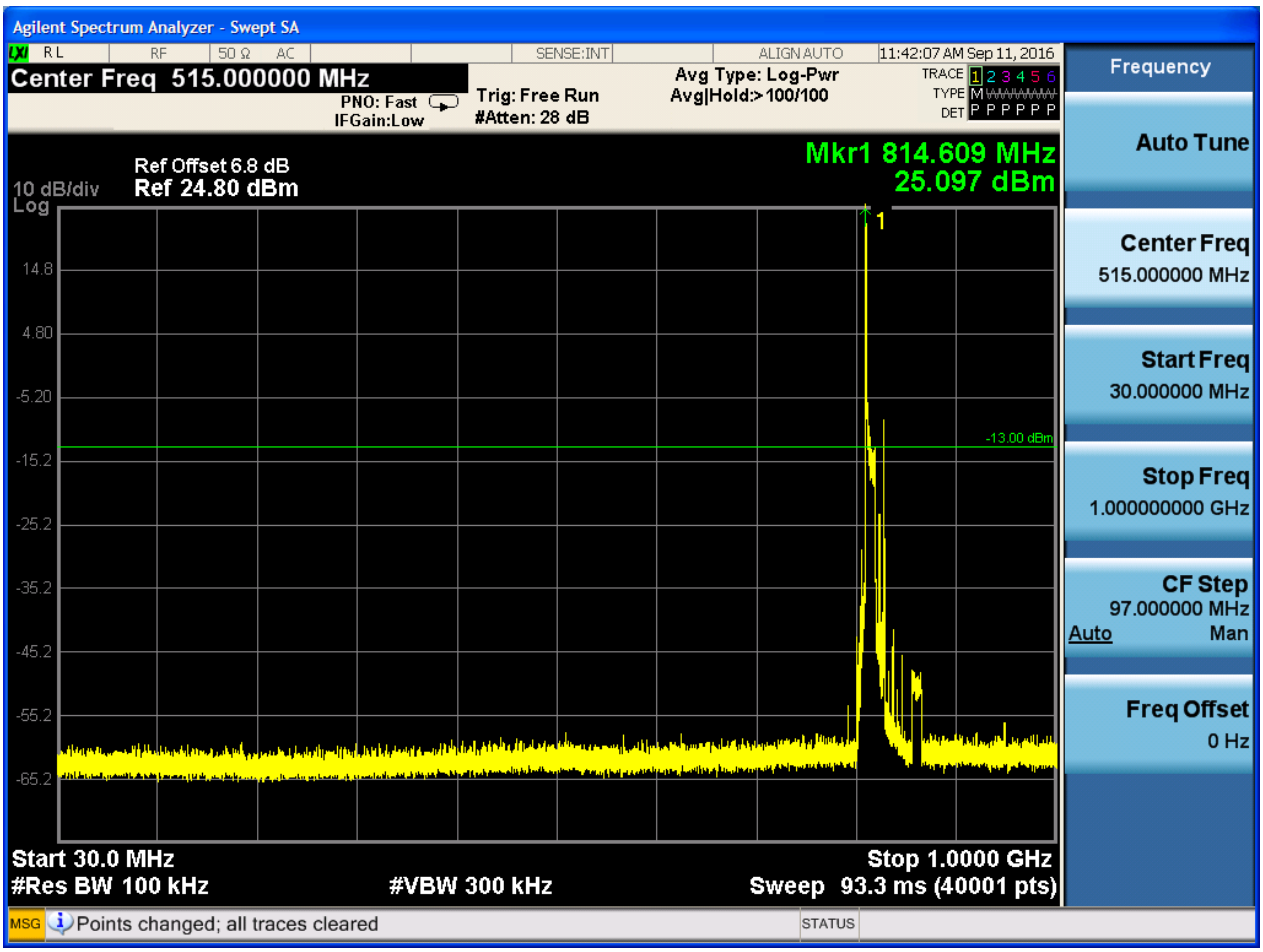

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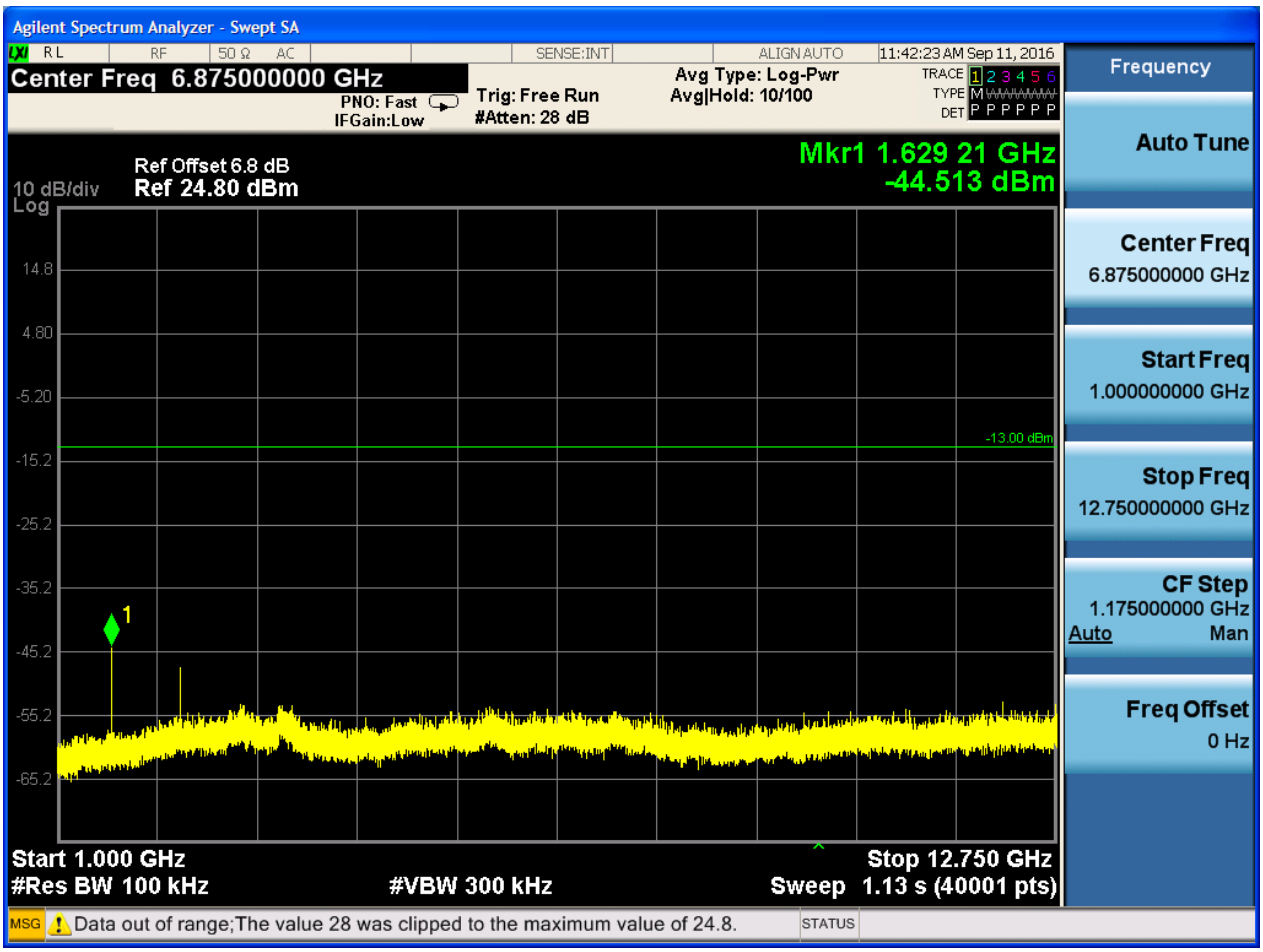

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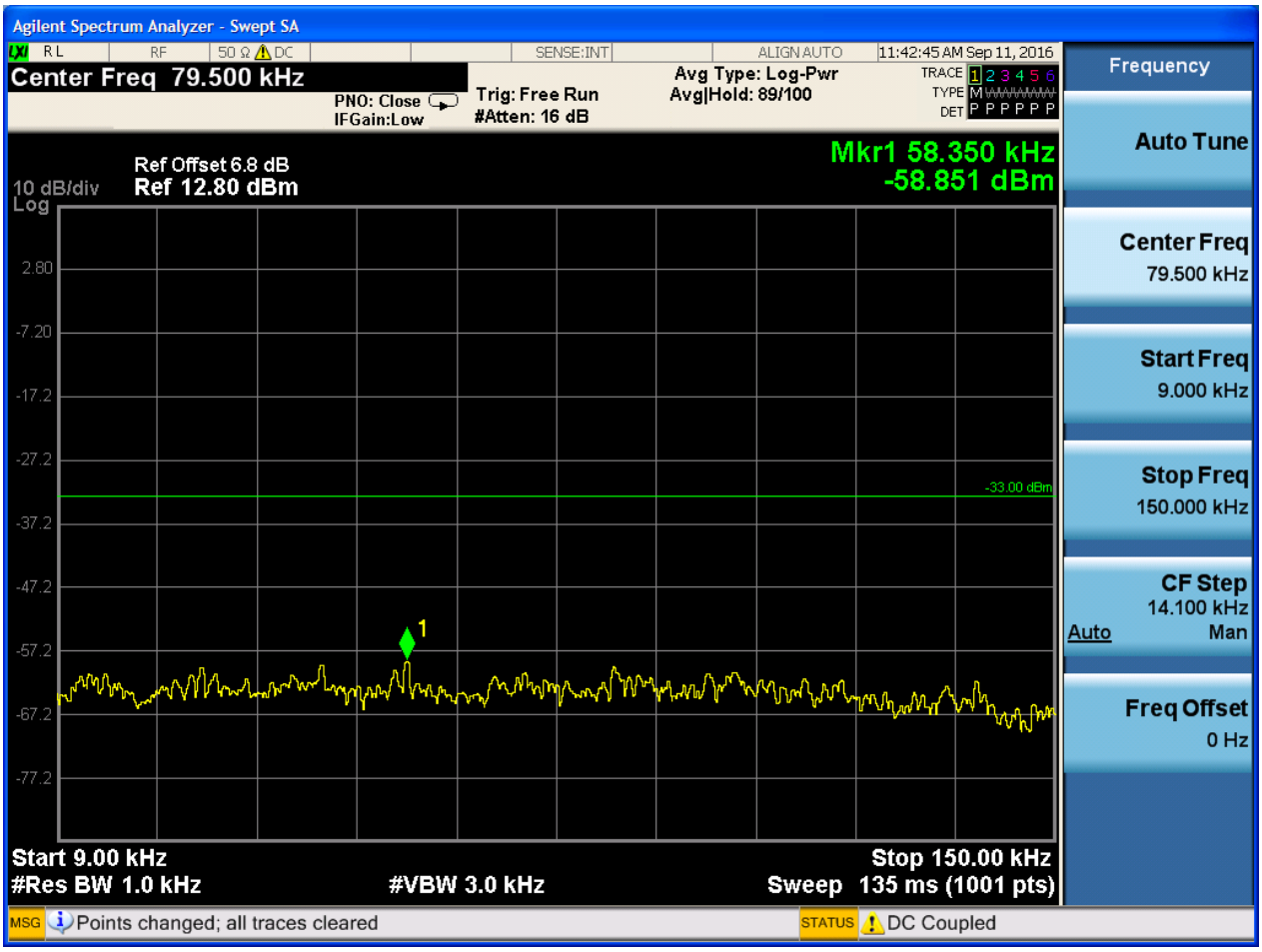
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0



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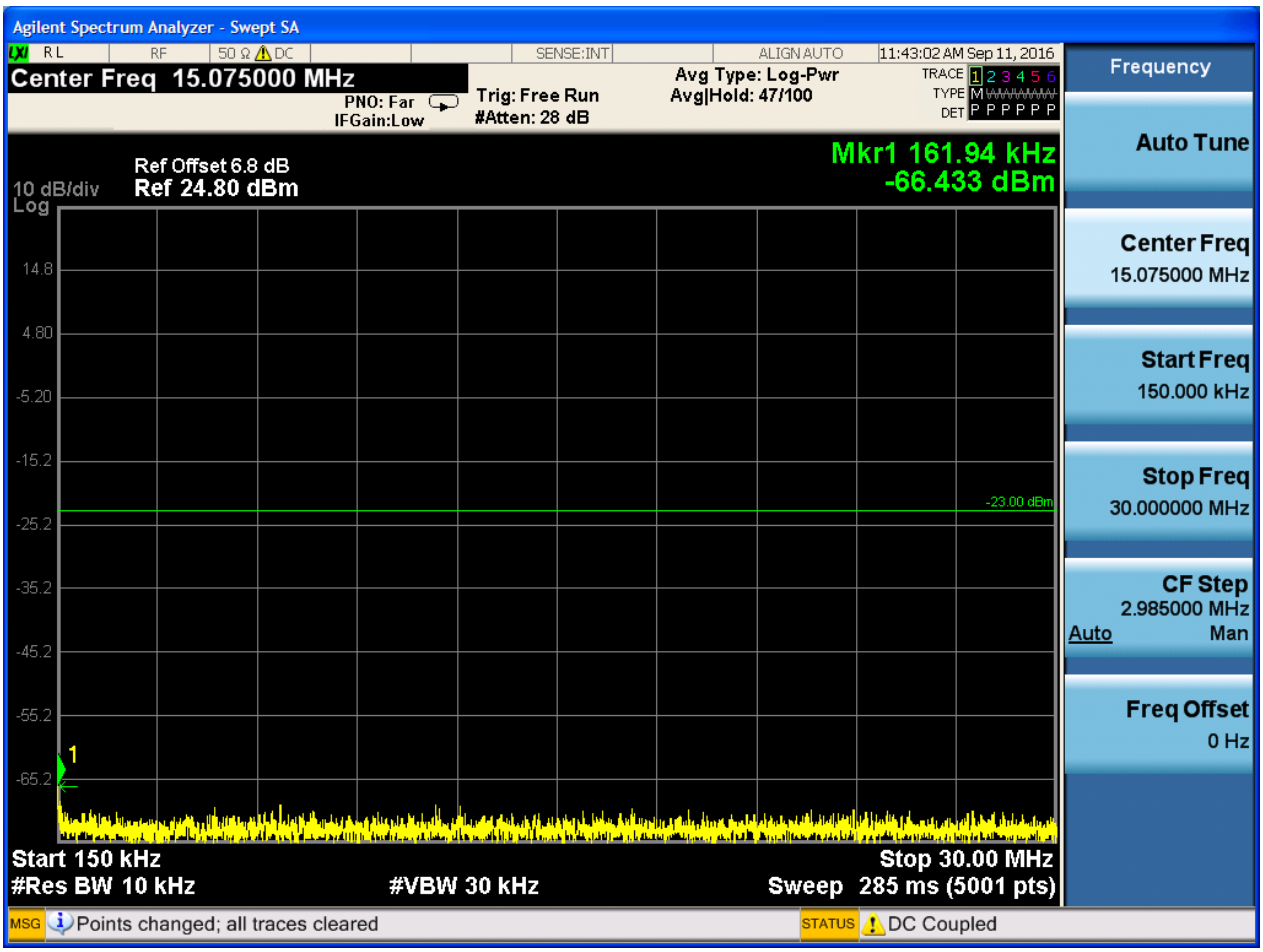

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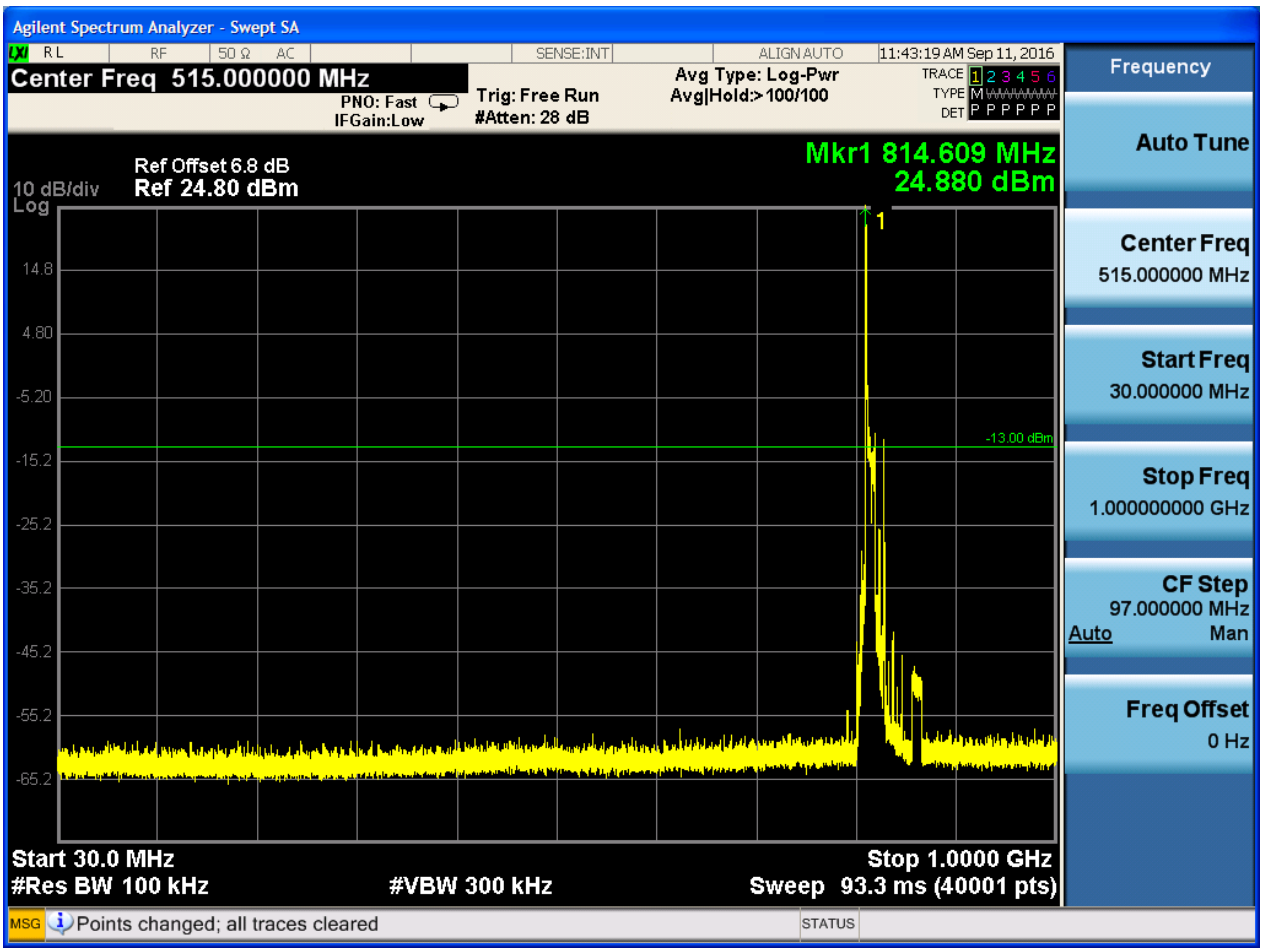

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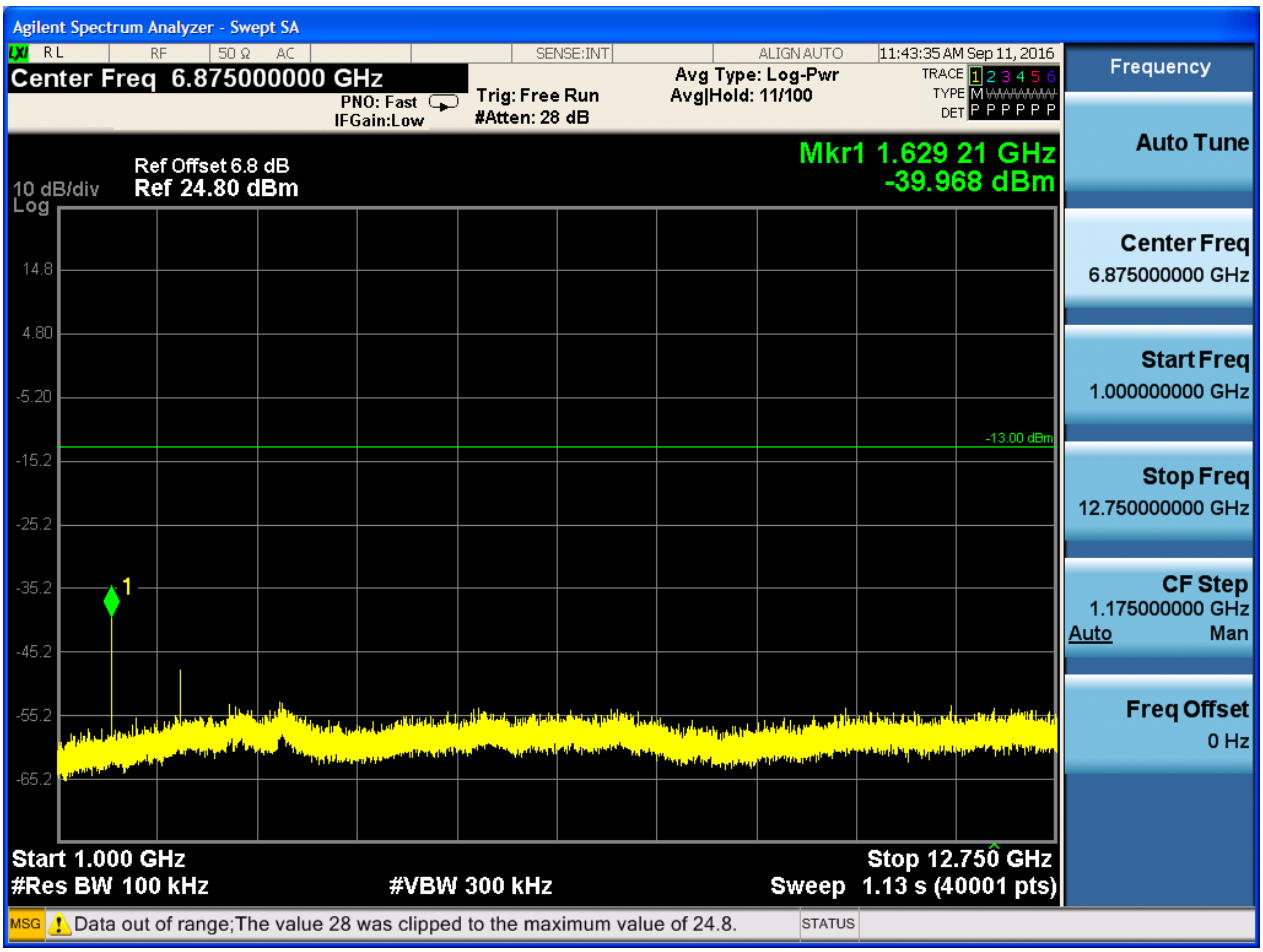

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7Appendix_G: Field Strength of Spurious Radiation

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

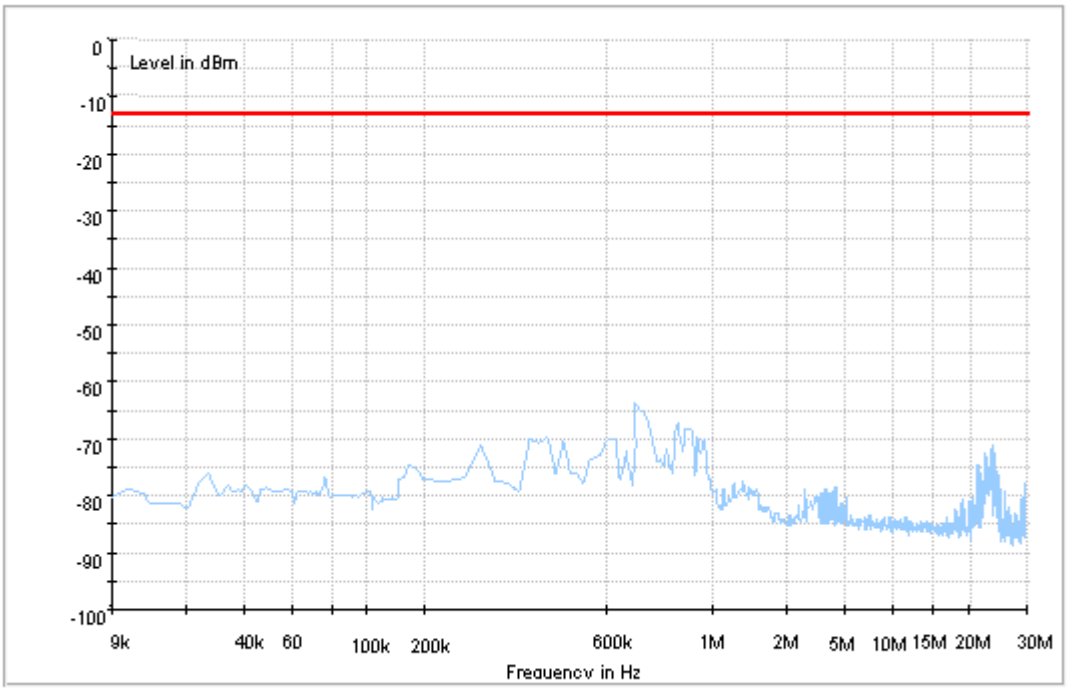
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND26_ANT1

7.1.1.1 Test Bandwidth = 1.4



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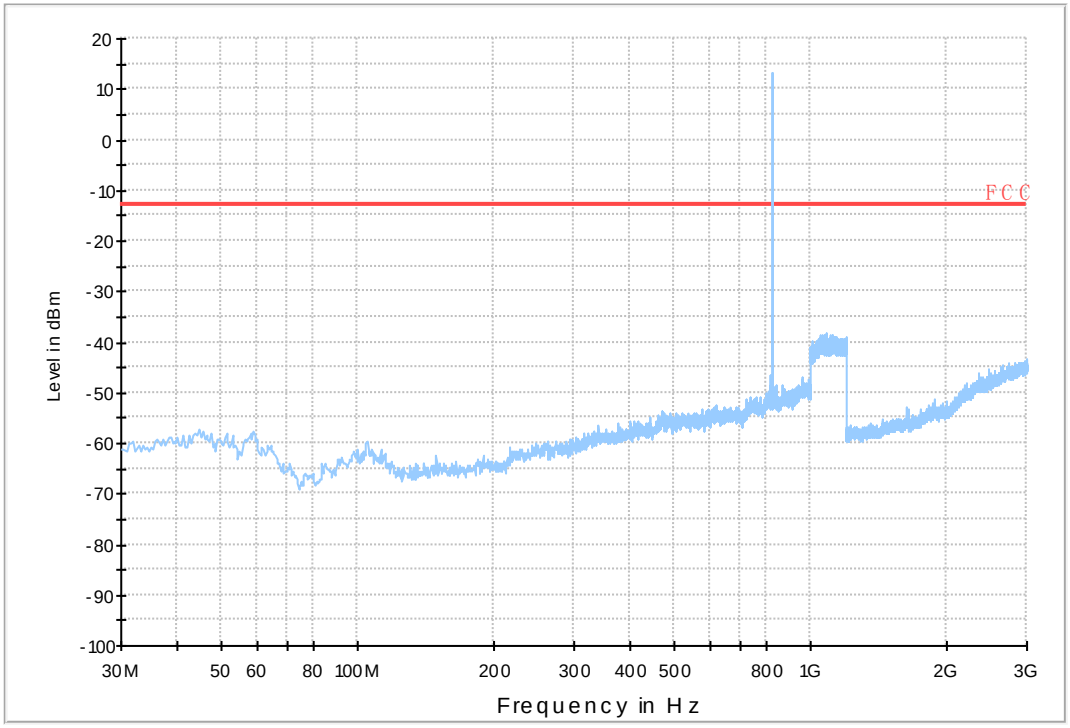
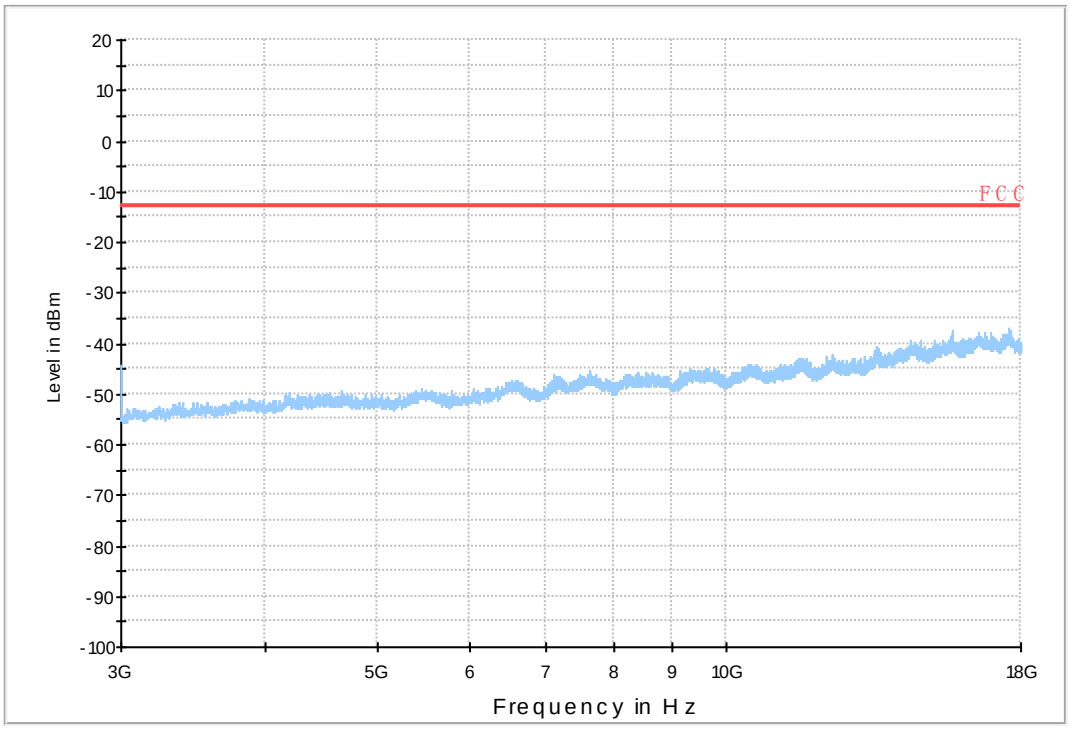
Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



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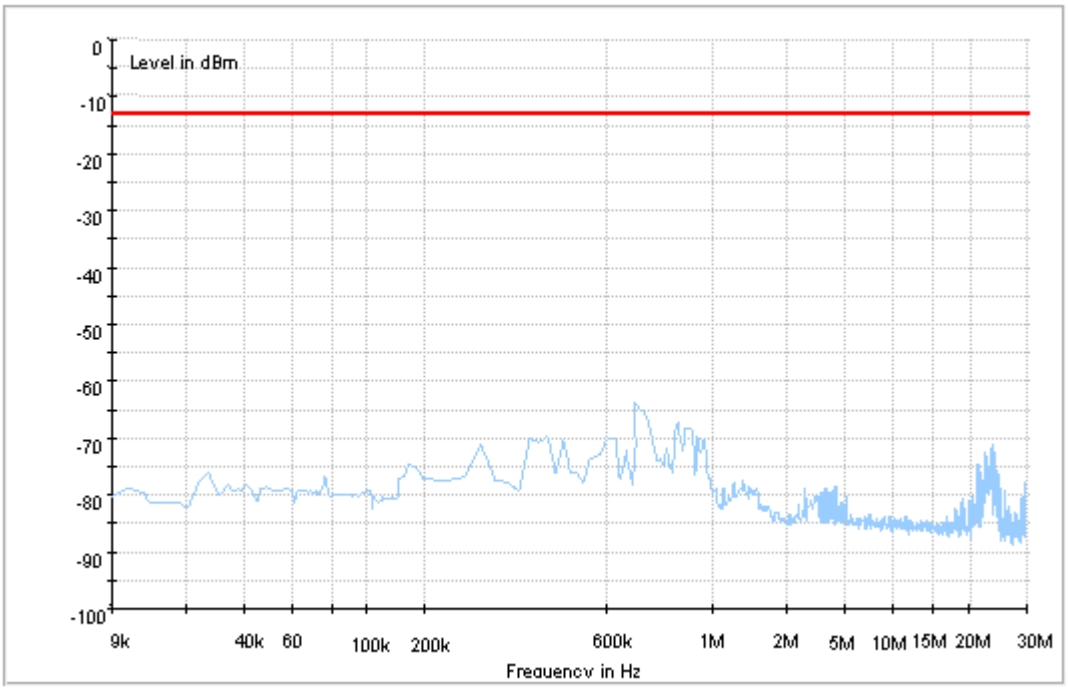
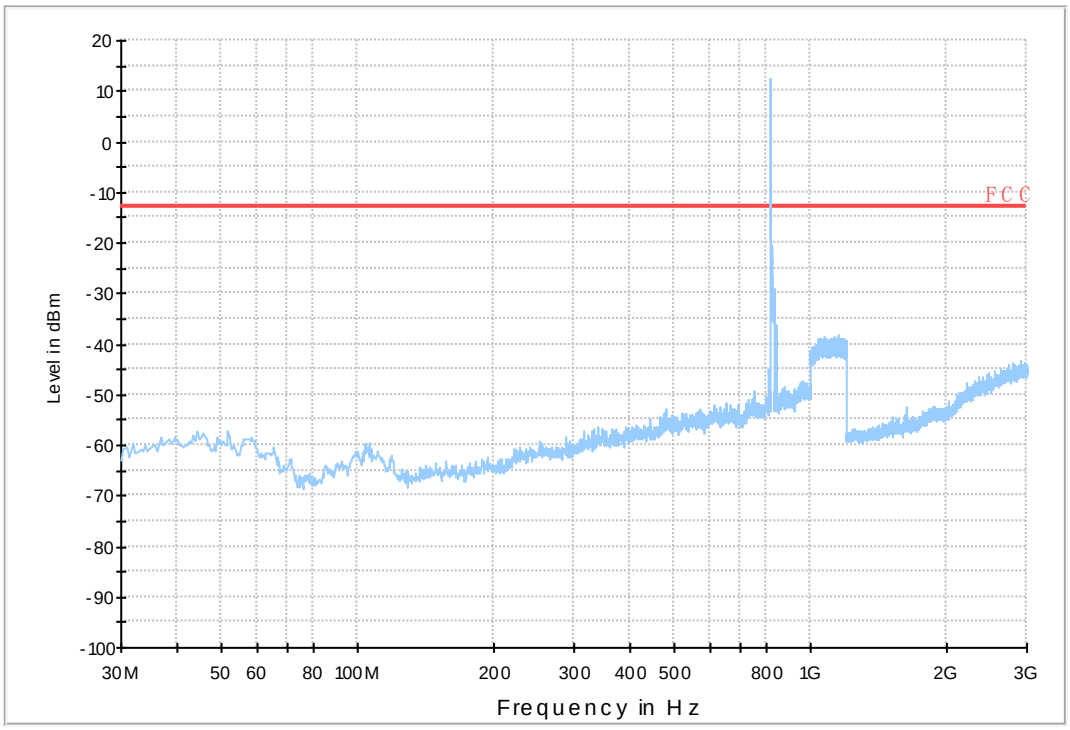
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



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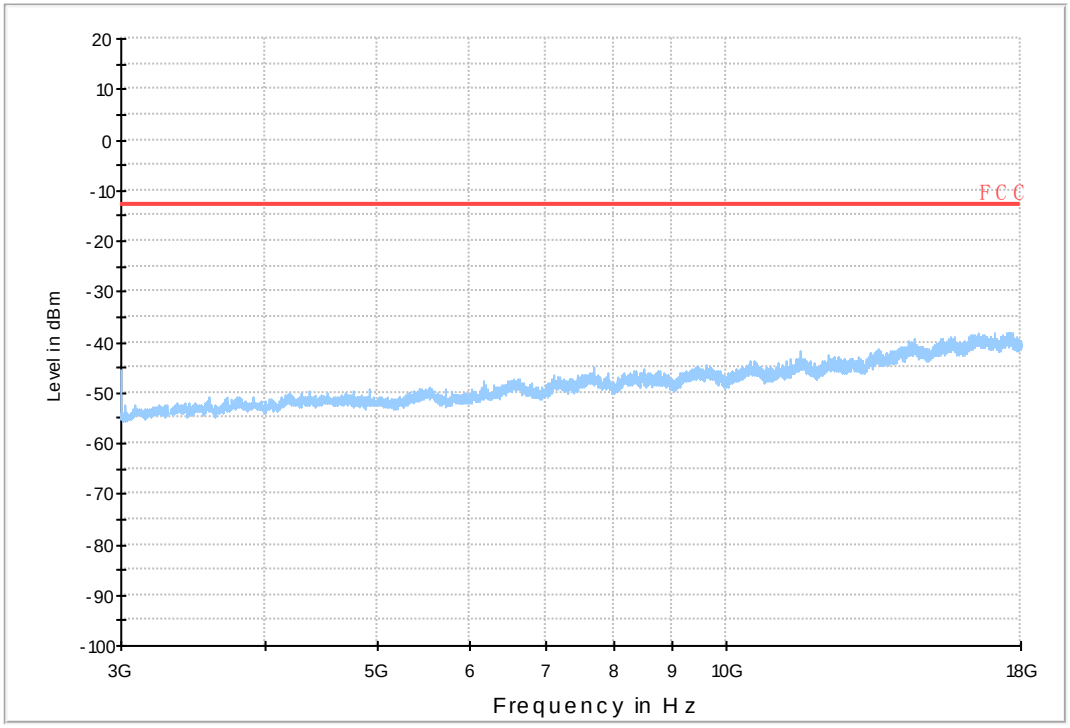
Copy of RSE-TX-DIRECTOR BELOW 1G_H



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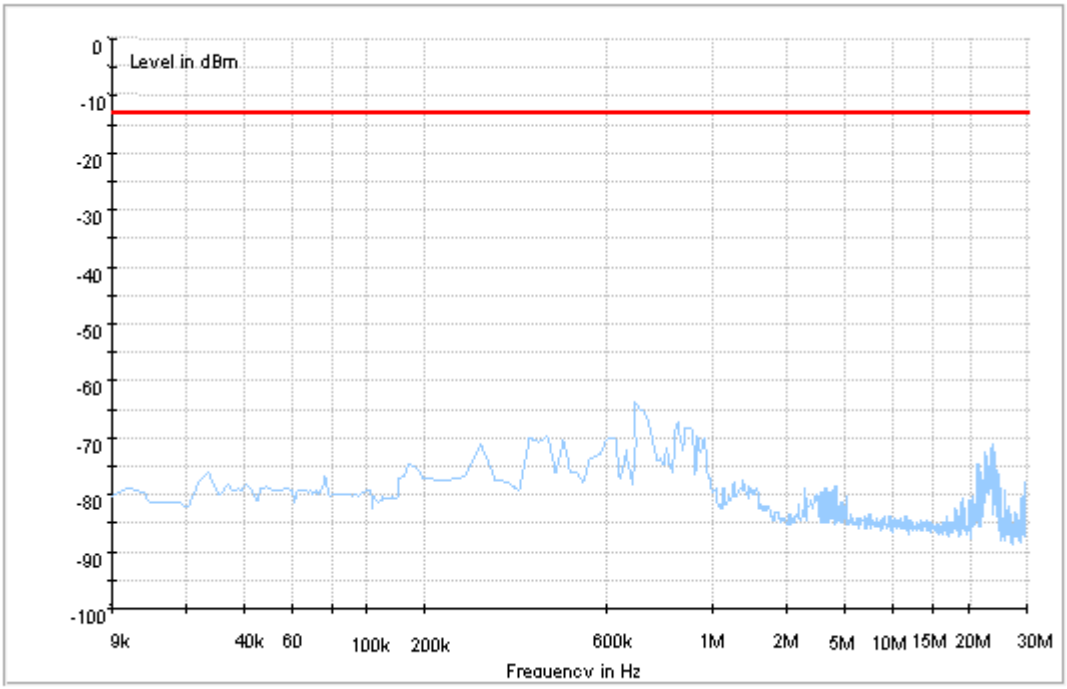
7.1.2 Test Band = BAND26_ANT2

7.1.2.1 Test Bandwidth = 1.4



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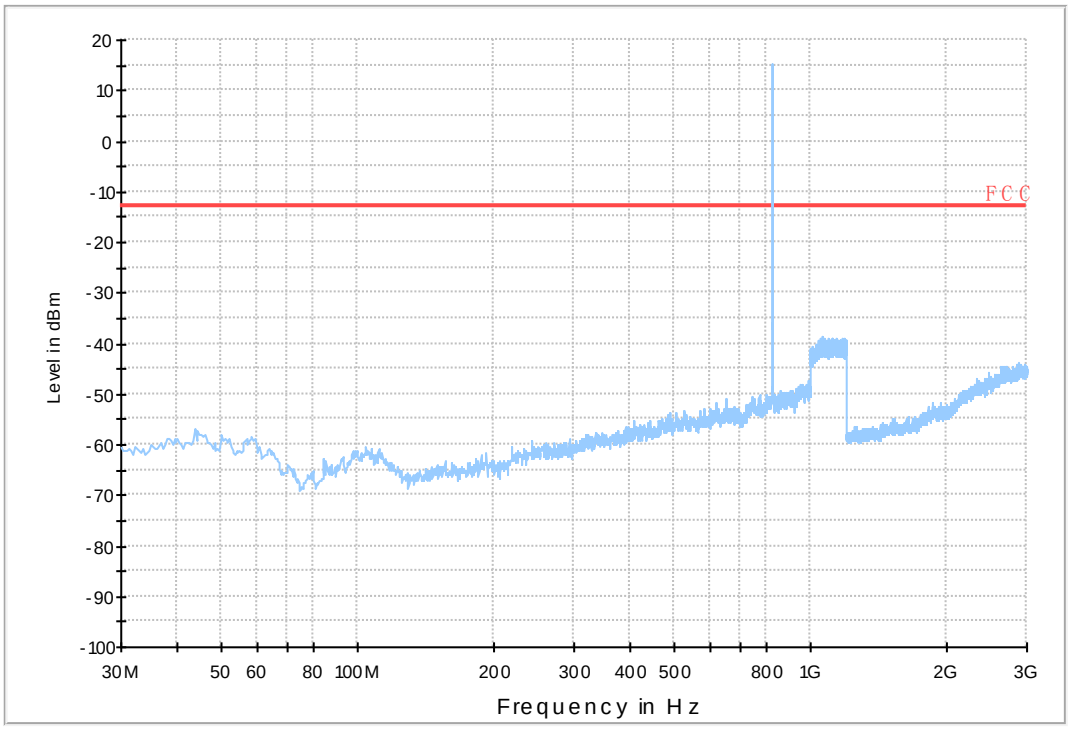

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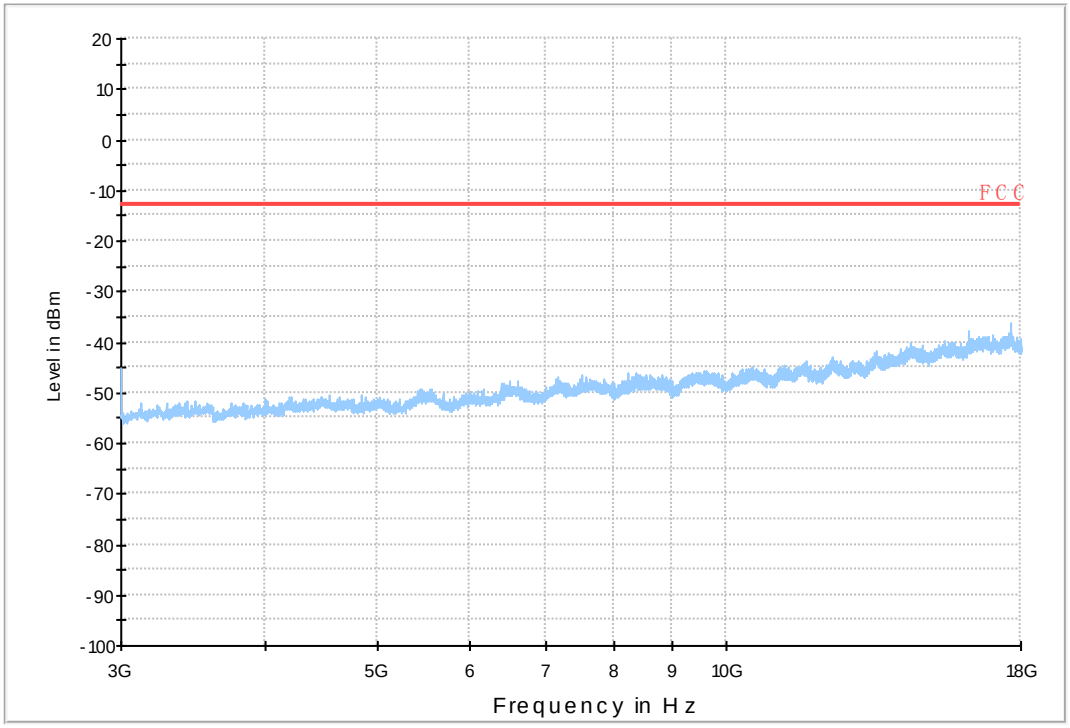

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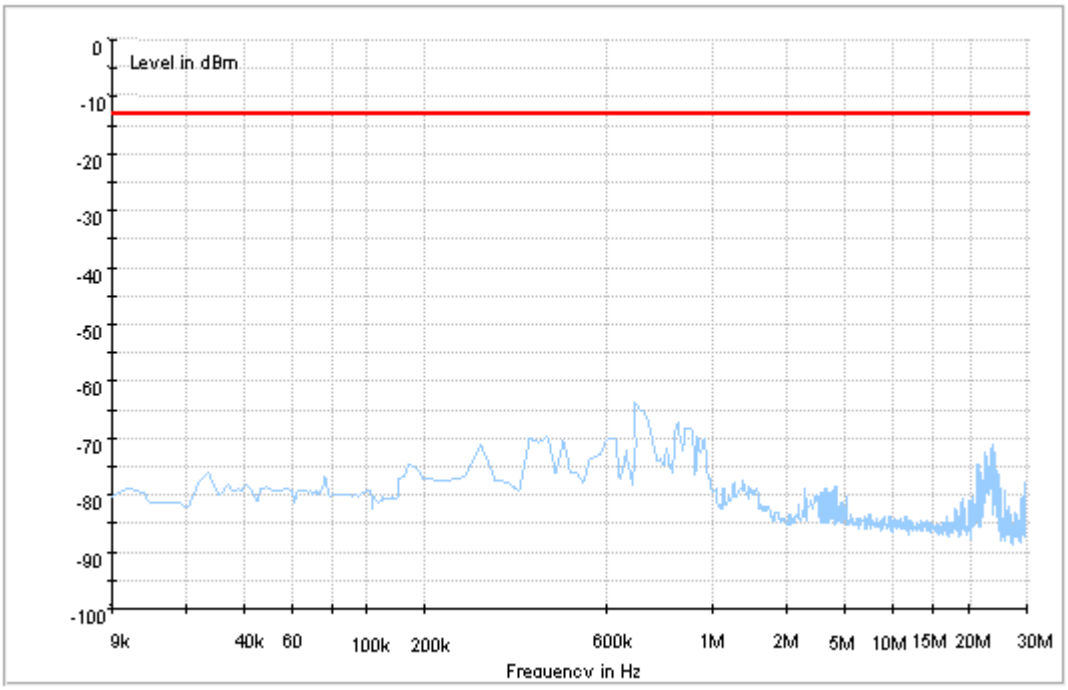
7.1.2.2 Test Bandwidth = 10



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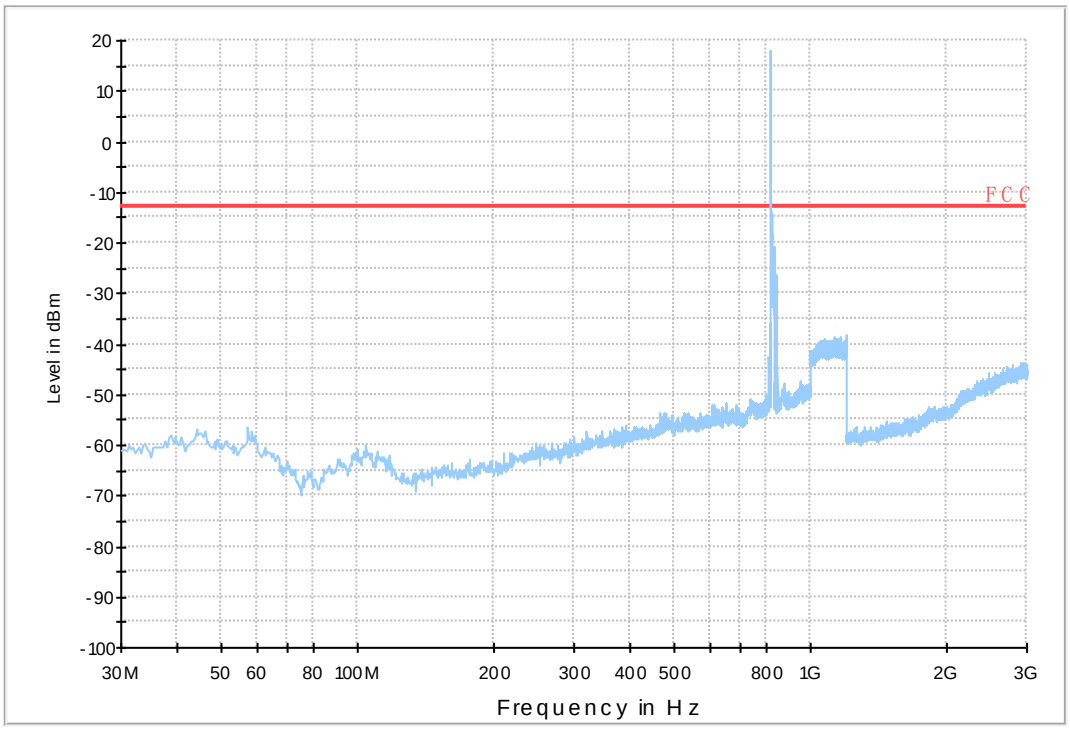

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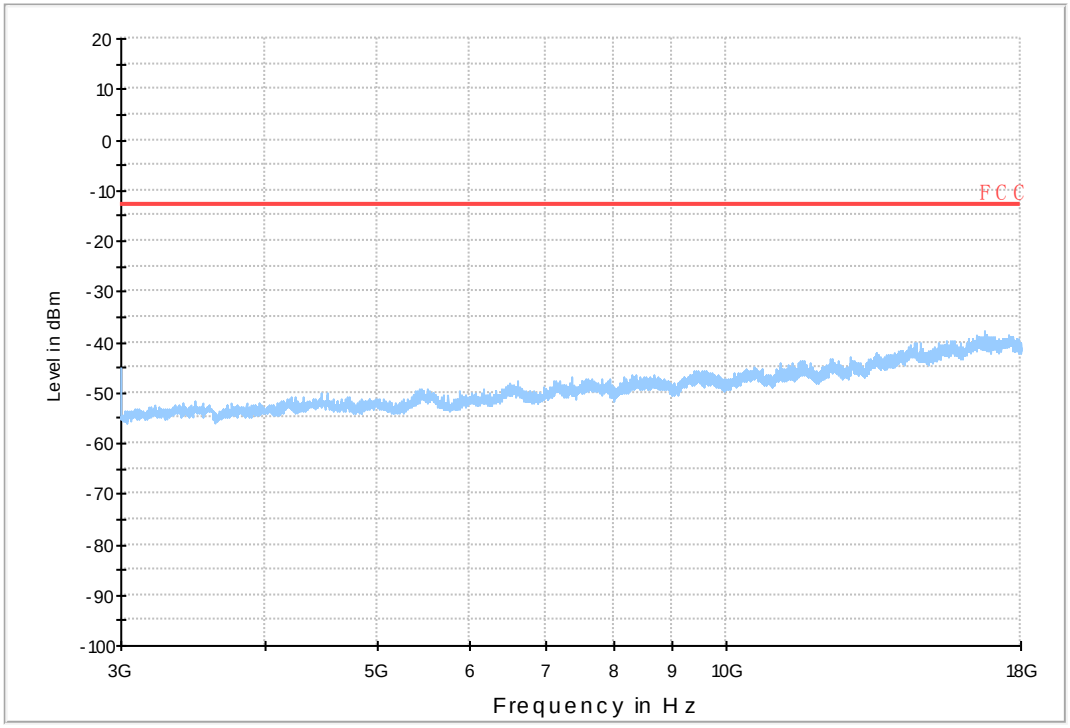

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8Appendix_H: Frequency Stability

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
BAND26	LTE/TM1	1.4	LCH	TN	VL	-0.24	-0.00029	PASS
					VN	-16.84	-0.02067	PASS
					VH	-14.00	-0.01718	PASS
			MCH	TN	VL	-0.63	-0.00077	PASS
					VN	-5.58	-0.00681	PASS
					VH	-12.60	-0.01538	PASS
			HCH	TN	VL	7.61	0.00924	PASS
					VN	-10.96	-0.01331	PASS
					VH	12.95	0.01573	PASS
		3	LCH	TN	VL	-5.78	-0.00709	PASS
					VN	-2.83	-0.00347	PASS
					VH	3.25	0.00399	PASS
			MCH	TN	VL	-18.12	-0.02212	PASS
					VN	-3.02	-0.00369	PASS
					VH	8.83	0.01078	PASS
			HCH	TN	VL	-1.36	-0.00165	PASS
					VN	4.65	0.00565	PASS
					VH	-3.58	-0.00435	PASS
		5	LCH	TN	VL	1.07	0.00131	PASS
					VN	-3.06	-0.00375	PASS
					VH	-12.17	-0.01491	PASS
			MCH	TN	VL	-2.36	-0.00288	PASS
					VN	-4.23	-0.00516	PASS
					VH	-2.93	-0.00358	PASS
			HCH	TN	VL	0.24	0.00029	PASS
					VN	3.12	0.0038	PASS
					VH	-4.43	-0.00539	PASS
		10	LCH	TN	VL	3.63	0.00443	PASS
					VN	-1.06	-0.00129	PASS
					VH	5.78	0.00706	PASS
			MCH	TN	VL	-2.60	-0.00317	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	3.10	0.00379	PASS
					VH	-0.13	-0.00016	PASS
			HCH	TN	VL	1.26	0.00154	PASS
					VN	4.89	0.00597	PASS
					VH	-4.95	-0.00604	PASS
	LTE/TM2	1.4	LCH	TN	VL	-0.21	-0.00026	PASS
					VN	3.91	0.0048	PASS
					VH	4.92	0.00604	PASS
			MCH	TN	VL	-9.48	-0.01158	PASS
					VN	-4.75	-0.0058	PASS
					VH	-6.18	-0.00755	PASS
			HCH	TN	VL	1.04	0.00126	PASS
					VN	-4.49	-0.00545	PASS
					VH	3.23	0.00392	PASS
		3	LCH	TN	VL	3.58	0.00439	PASS
					VN	2.10	0.00258	PASS
					VH	-1.09	-0.00134	PASS
			MCH	TN	VL	-4.05	-0.00495	PASS
					VN	-4.26	-0.0052	PASS
					VH	-0.89	-0.00109	PASS
			HCH	TN	VL	-3.86	-0.00469	PASS
					VN	-5.66	-0.00688	PASS
					VH	-5.72	-0.00695	PASS
		5	LCH	TN	VL	-3.65	-0.00447	PASS
					VN	3.05	0.00374	PASS
					VH	-3.26	-0.00399	PASS
			MCH	TN	VL	-2.17	-0.00265	PASS
					VN	-3.05	-0.00372	PASS
					VH	0.51	0.00062	PASS
			HCH	TN	VL	3.15	0.00383	PASS
					VN	4.43	0.00539	PASS
					VH	5.16	0.00628	PASS
		10	LCH	TN	VL	0.74	0.0009	PASS
					VN	-1.57	-0.00192	PASS
					VH	-1.66	-0.00203	PASS
			MCH	TN	VL	0.83	0.00101	PASS
					VN	2.59	0.00316	PASS
					VH	-0.43	-0.00053	PASS
			HCH	TN	VL	-3.25	-0.00397	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.04	-0.00005	PASS
					VH	-2.33	-0.00284	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
BAND26	LTE/TM1	1.4	LCH	VN	-30	7.67	0.0124	PASS
					-20	5.08	0.00922	PASS
					-10	-0.91	0.00186	PASS
					0	-0.63	0.00221	PASS
					10	5.58	0.00983	PASS
					20	-14.49	-0.0148	PASS
					30	-1.36	0.00131	PASS
					40	3.55	0.00734	PASS
					50	12.35	0.01814	PASS
			MCH	VN	-30	-11.18	-0.01069	PASS
					-20	-2.7	-0.00033	PASS
					-10	17.33	0.02412	PASS
					0	-4.67	-0.00274	PASS
					10	10.25	0.01548	PASS
					20	-9.24	-0.00832	PASS
					30	1.08	0.00428	PASS
					40	-4.85	-0.00296	PASS
					50	29.04	0.03842	PASS
			HCH	VN	-30	6.43	0.01076	PASS
					-20	0.83	0.00396	PASS
					-10	-1.24	0.00144	PASS
					0	-1.73	0.00085	PASS
					10	7.01	0.01146	PASS
					20	-8.45	-0.00732	PASS
					30	-0.15	0.00277	PASS
					40	-7.18	-0.00577	PASS
					50	3.69	0.00743	PASS
		3	LCH	VN	-30	2.29	0.00579	PASS
					-20	-6.41	-0.00488	PASS
					-10	-0.74	0.00207	PASS
					0	-4.72	-0.00281	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-2.29	0.00017	PASS
					20	-4.53	-0.00258	PASS
					30	-2.54	-0.00014	PASS
					40	-2.34	0.00011	PASS
					50	-3.59	-0.00142	PASS
			MCH	VN	-30	-2.4	0.00003	PASS
					-20	-5.13	-0.0033	PASS
					-10	-0.95	0.0018	PASS
					0	-1.38	0.00128	PASS
					10	-8.02	-0.00683	PASS
					20	-0.98	0.00177	PASS
					30	-2.83	-0.00049	PASS
					40	-1.81	0.00075	PASS
					50	-1.13	0.00158	PASS
			HCH	VN	-30	-11.08	-0.01052	PASS
					-20	5.34	0.00944	PASS
					-10	-1.18	0.00152	PASS
					0	-7.05	-0.00562	PASS
					10	-5.02	-0.00315	PASS
					20	-10.21	-0.00946	PASS
					30	-1.87	0.00068	PASS
					40	0.32	0.00334	PASS
					50	5.78	0.00998	PASS
		5	LCH	VN	-30	-13.77	-0.01389	PASS
					-20	1.58	0.00491	PASS
					-10	-1.66	0.00094	PASS
					0	-3.52	-0.00134	PASS
					10	-9.39	-0.00853	PASS
					20	-4.92	-0.00305	PASS
					30	-10.81	-0.01027	PASS
					40	-12.44	-0.01226	PASS
					50	6.2	0.01057	PASS
			MCH	VN	-30	1.96	0.00536	PASS
					-20	3.08	0.00673	PASS
					-10	-3.2	-0.00094	PASS
					0	0.1	0.00309	PASS
					10	-6.03	-0.0044	PASS
					20	-6.48	-0.00495	PASS
					30	-1.24	0.00145	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-3.26	-0.00102	PASS
					50	4.58	0.00856	PASS
			HCH	VN	-30	0.56	0.00364	PASS
					-20	-4.25	-0.00222	PASS
					-10	-4.95	-0.00307	PASS
					0	-4.99	-0.00312	PASS
					10	-2.66	-0.00028	PASS
					20	-3.56	-0.00138	PASS
					30	4.14	0.00799	PASS
					40	3.92	0.00773	PASS
					50	-4.6	-0.00264	PASS
		10	LCH	VN	-30	-4.72	-0.0028	PASS
					-20	-6.86	-0.00541	PASS
					-10	-2.41	0.00002	PASS
					0	-1.07	0.00166	PASS
					10	-2.83	-0.00049	PASS
					20	-4.32	-0.00231	PASS
					30	-4.19	-0.00215	PASS
					40	-2.04	0.00047	PASS
					50	-1.76	0.00082	PASS
			MCH	VN	-30	-5.39	-0.00362	PASS
					-20	-3.77	-0.00164	PASS
					-10	-4.75	-0.00284	PASS
					0	-4.55	-0.00259	PASS
					10	-1.28	0.0014	PASS
					20	1.05	0.00425	PASS
					30	-5.88	-0.00421	PASS
					40	-0.41	0.00246	PASS
					50	-0.54	0.00231	PASS
			HCH	VN	-30	-2.94	-0.00063	PASS
					-20	-4.55	-0.00259	PASS
					-10	-8.08	-0.0069	PASS
					0	-2.26	0.00021	PASS
					10	-2.77	-0.00042	PASS
					20	-0.84	0.00194	PASS
					30	-7.55	-0.00625	PASS
					40	-4.57	-0.00262	PASS
					50	0.02	0.00299	PASS
	LTE/TM2	1.4	LCH	VN	-30	7.79	0.01254	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.17	0.00277	PASS
					-10	-2.74	-0.00038	PASS
					0	5.17	0.00933	PASS
					10	1.33	0.00461	PASS
					20	-25.19	-0.02794	PASS
					30	-2.17	0.00032	PASS
					40	-7.48	-0.0062	PASS
					50	8.67	0.01362	PASS
			MCH	VN	-30	-0.57	0.00227	PASS
					-20	-16.75	-0.01749	PASS
					-10	1.75	0.0051	PASS
					0	-2.8	-0.00045	PASS
					10	-7.28	-0.00592	PASS
					20	20.49	0.02798	PASS
					30	-1.03	0.00171	PASS
					40	-5.99	-0.00435	PASS
					50	8.47	0.01331	PASS
			HCH	VN	-30	-6.81	-0.00532	PASS
					-20	-13.41	-0.01334	PASS
					-10	-2.31	0.00014	PASS
					0	-0.45	0.0024	PASS
					10	13.41	0.01924	PASS
					20	4.24	0.0081	PASS
					30	-7.05	-0.00562	PASS
					40	-2.86	-0.00053	PASS
					50	-1.46	0.00117	PASS
		3	LCH	VN	-30	0.19	0.00321	PASS
					-20	0.79	0.00395	PASS
					-10	-2.27	0.00019	PASS
					0	0.16	0.00317	PASS
					10	-1.6	0.00102	PASS
					20	-2.37	0.00007	PASS
					30	-10.12	-0.00943	PASS
					40	-3.5	-0.00131	PASS
					50	-4.04	-0.00198	PASS
			MCH	VN	-30	-1.41	0.00124	PASS
					-20	-3.3	-0.00106	PASS
					-10	-4.5	-0.00253	PASS
					0	0.5	0.00358	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.14	0.00279	PASS
					20	-5.5	-0.00375	PASS
					30	-1	0.00174	PASS
					40	-1.87	0.00068	PASS
					50	-3.32	-0.00109	PASS
			HCH	VN	-30	-0.55	0.00228	PASS
					-20	-3.23	-0.00098	PASS
					-10	0.88	0.00402	PASS
					0	3.06	0.00667	PASS
					10	-4.1	-0.00203	PASS
					20	-6.38	-0.00481	PASS
					30	-10.54	-0.00986	PASS
					40	2.46	0.00594	PASS
					50	-7.51	-0.00618	PASS
		5	LCH	VN	-30	-5.48	-0.00374	PASS
					-20	5.27	0.00943	PASS
					-10	5.78	0.01005	PASS
					0	-11.83	-0.01151	PASS
					10	-2.76	-0.00041	PASS
					20	-3.49	-0.0013	PASS
					30	0.9	0.00408	PASS
					40	9.44	0.01454	PASS
					50	-1.57	0.00105	PASS
			MCH	VN	-30	-12.54	-0.01235	PASS
					-20	-4.65	-0.00271	PASS
					-10	-0.37	0.00251	PASS
					0	-4.65	-0.00271	PASS
					10	-1.83	0.00073	PASS
					20	1.99	0.00539	PASS
					30	-5.48	-0.00373	PASS
					40	-1.67	0.00093	PASS
					50	4.65	0.00864	PASS
			HCH	VN	-30	1.11	0.00431	PASS
					-20	-4.47	-0.00249	PASS
					-10	-7.92	-0.00669	PASS
					0	-5.75	-0.00404	PASS
					10	-0.13	0.0028	PASS
					20	-5.4	-0.00362	PASS
					30	-4.46	-0.00247	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.04	0.00047	PASS
					50	-3.29	-0.00105	PASS
		10	LCH	VN	-30	0.25	0.00327	PASS
					-20	-5.2	-0.00338	PASS
					-10	-6.05	-0.00442	PASS
					0	-2.49	-0.00008	PASS
					10	-5.42	-0.00365	PASS
					20	-3.82	-0.0017	PASS
					30	-4.82	-0.00292	PASS
					40	-2.21	0.00027	PASS
					50	-4.99	-0.00313	PASS
			MCH	VN	-30	-3.19	-0.00093	PASS
					-20	1.62	0.00494	PASS
					-10	-5.73	-0.00403	PASS
					0	-0.2	0.00272	PASS
					10	-3.84	-0.00172	PASS
					20	-3.39	-0.00117	PASS
					30	-1.87	0.00068	PASS
					40	-1.08	0.00165	PASS
					50	-2.3	0.00016	PASS
			HCH	VN	-30	-0.2	0.00272	PASS
					-20	-2.23	0.00024	PASS
					-10	-2.99	-0.00069	PASS
					0	-3.32	-0.00109	PASS
					10	-3.93	-0.00183	PASS
					20	-5.75	-0.00406	PASS
					30	-5.05	-0.0032	PASS
					40	-4.63	-0.00269	PASS
					50	-3.47	-0.00127	PASS

END

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