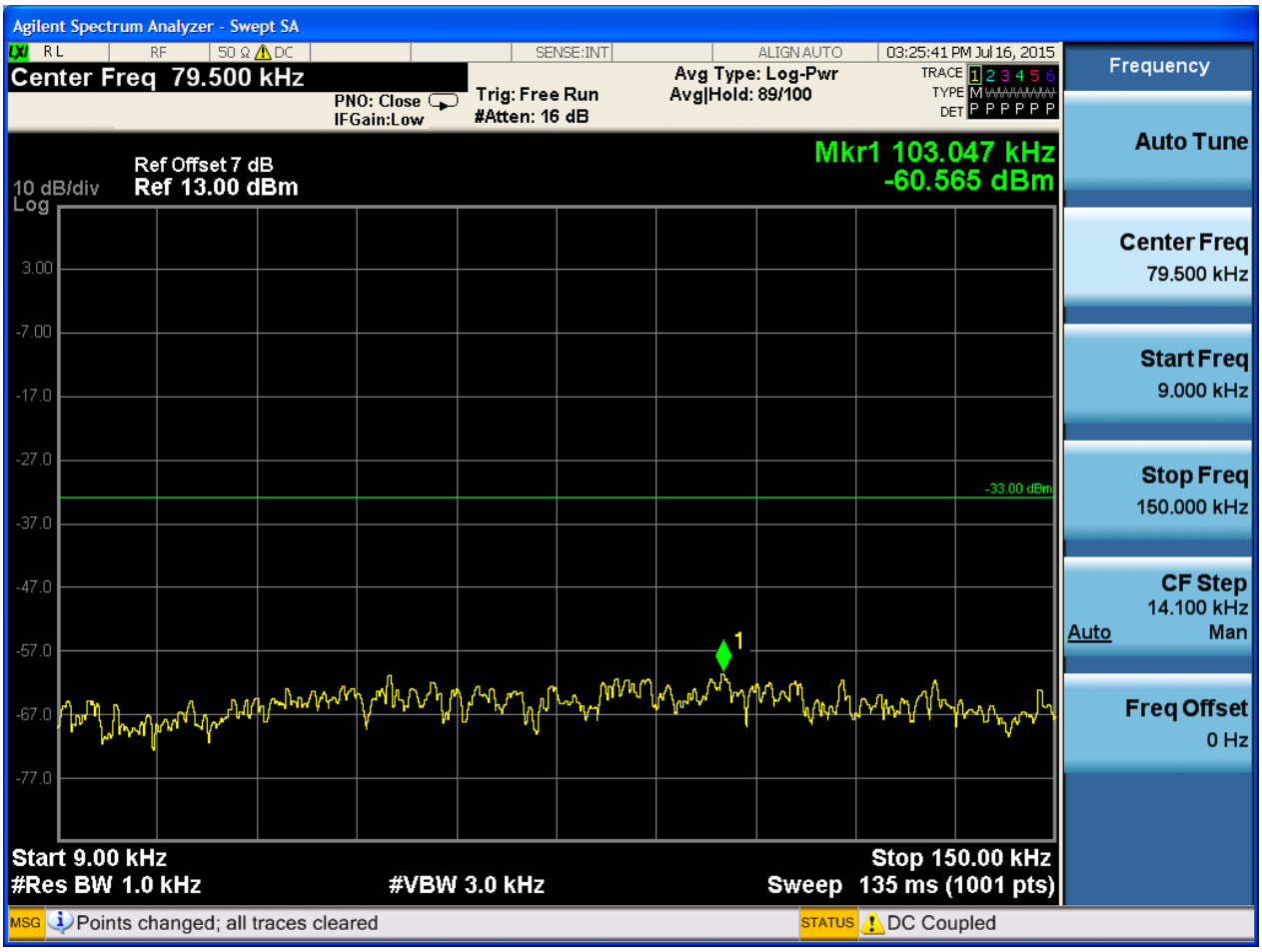
6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0



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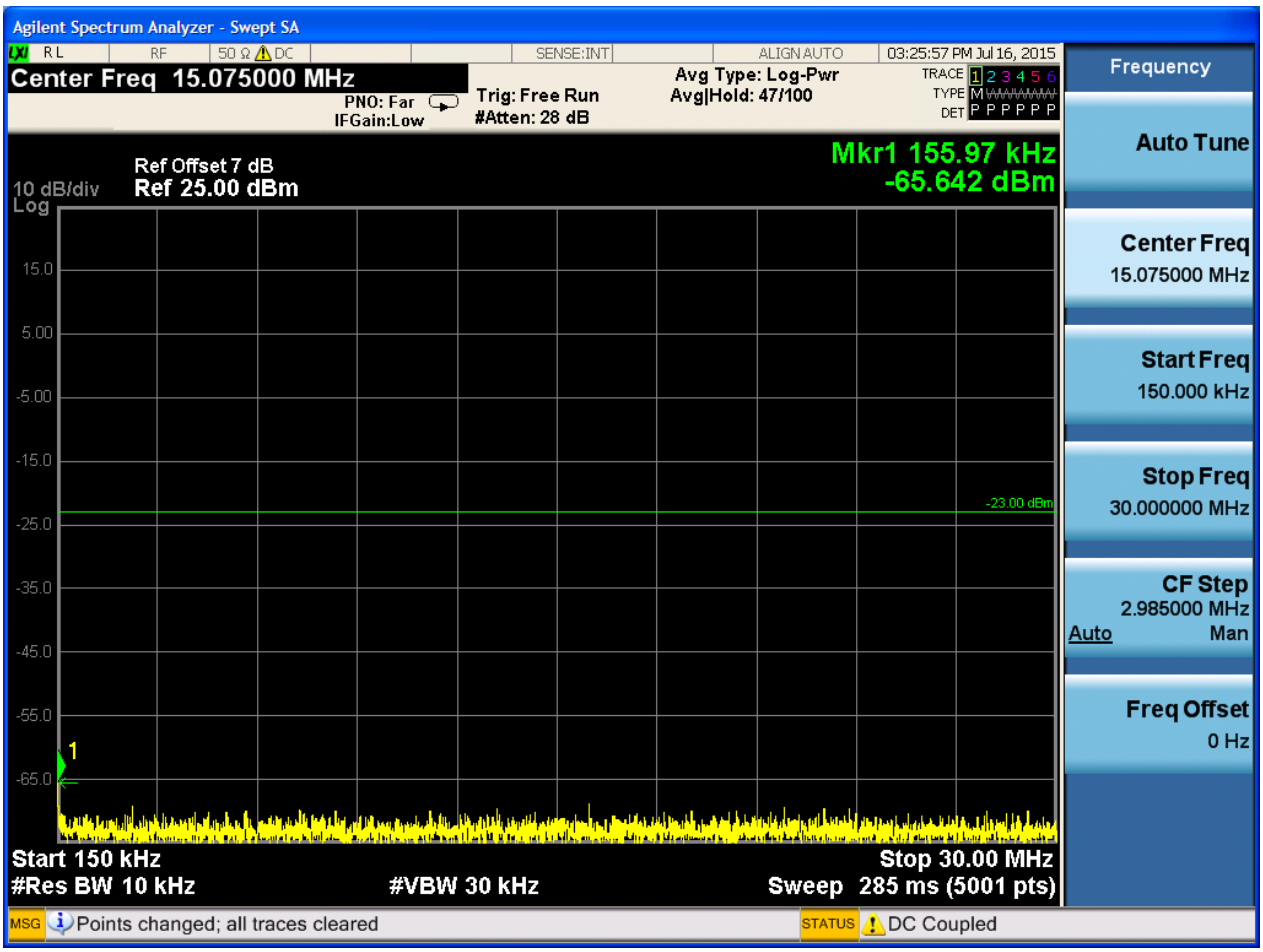

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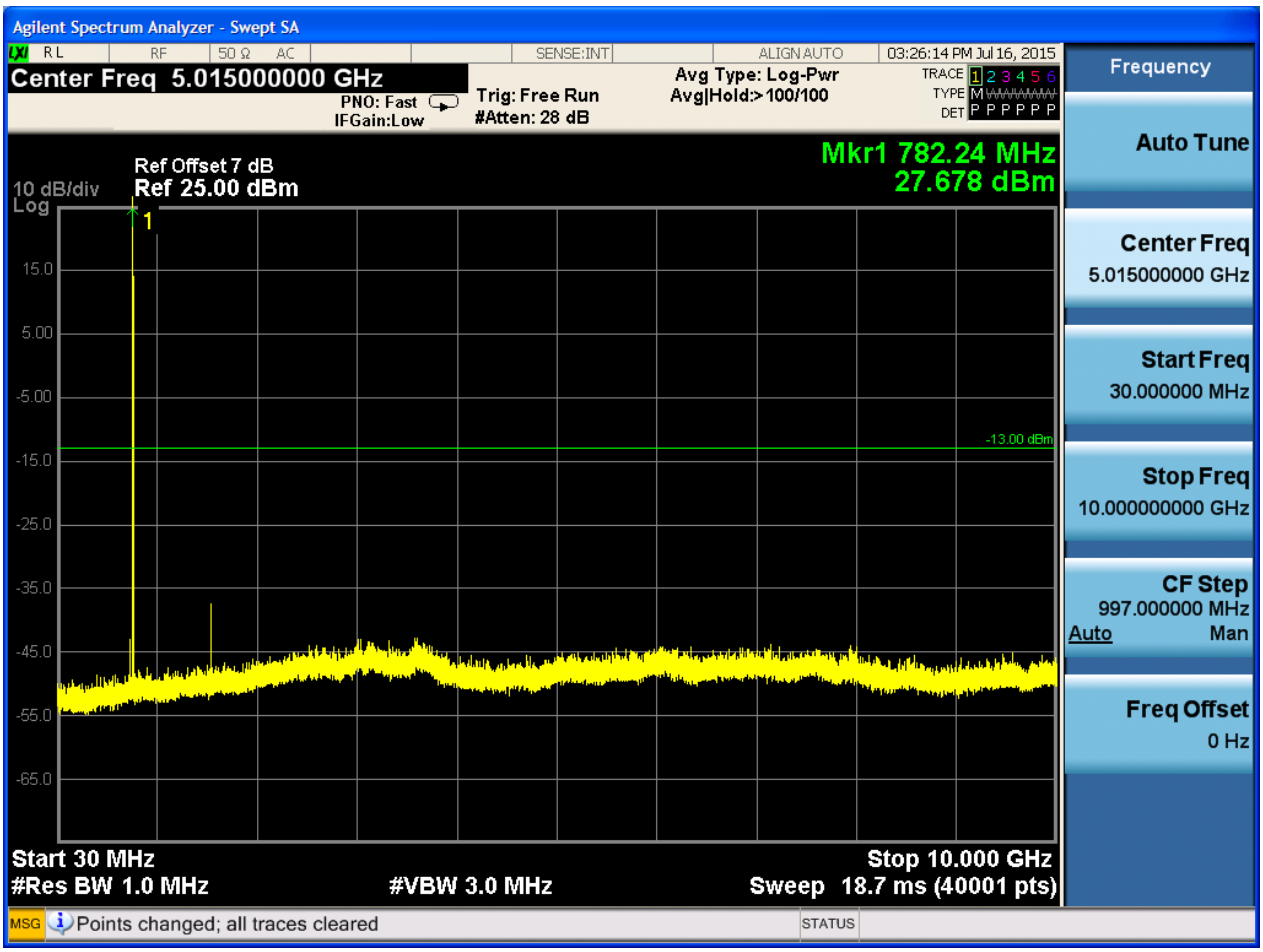

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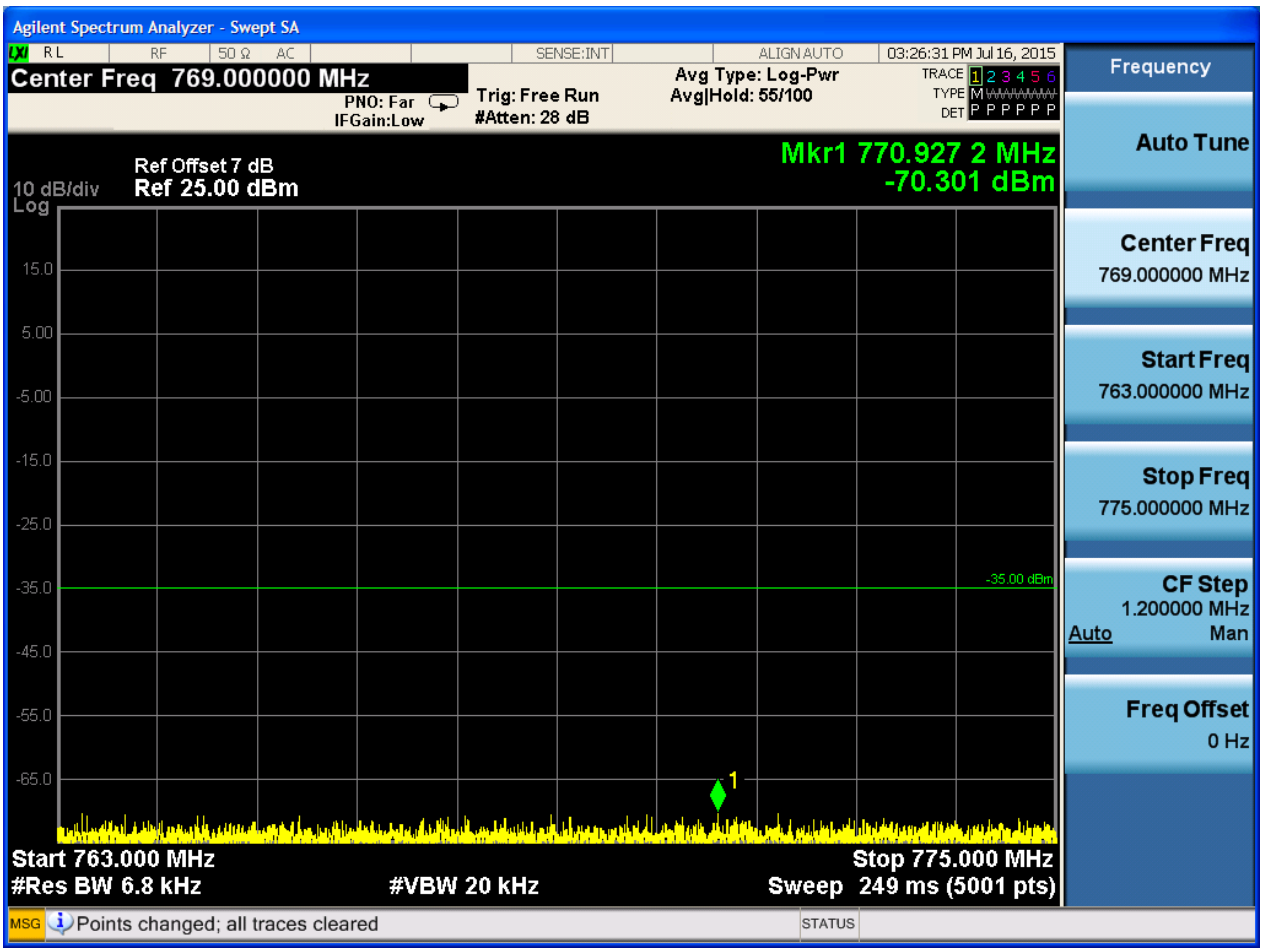

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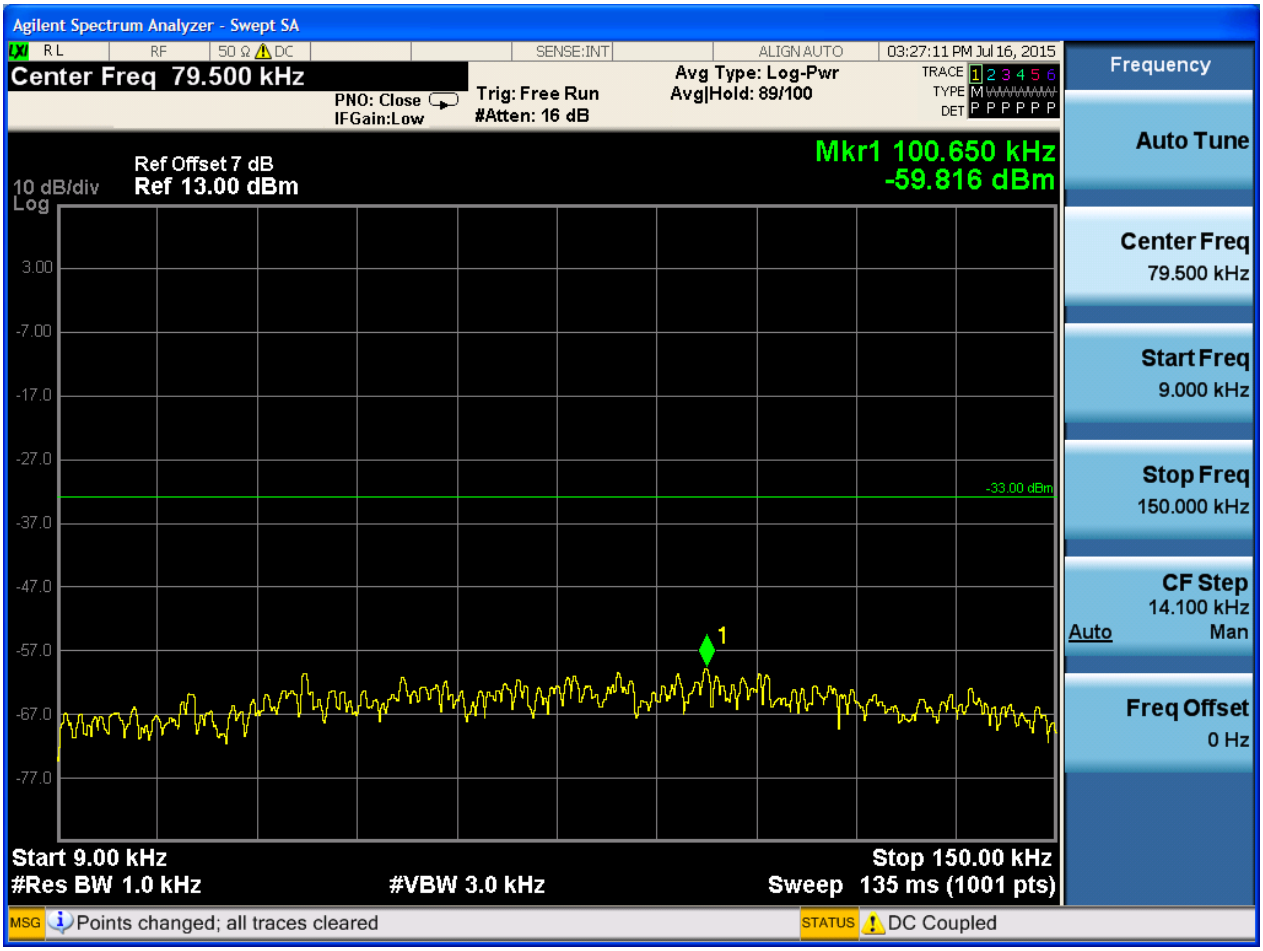
6.2.1.1.2 Test Bandwidth = 10

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0



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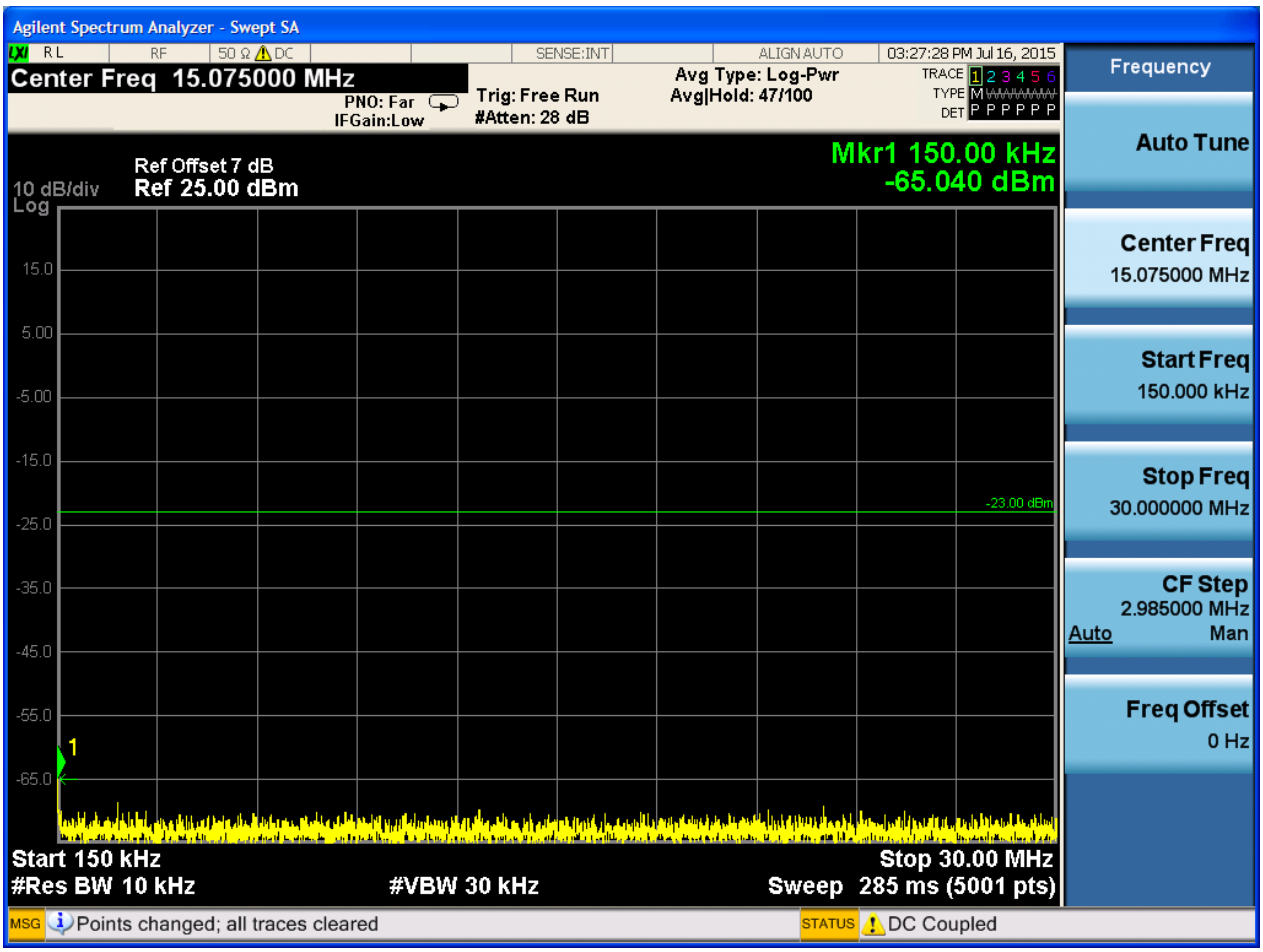

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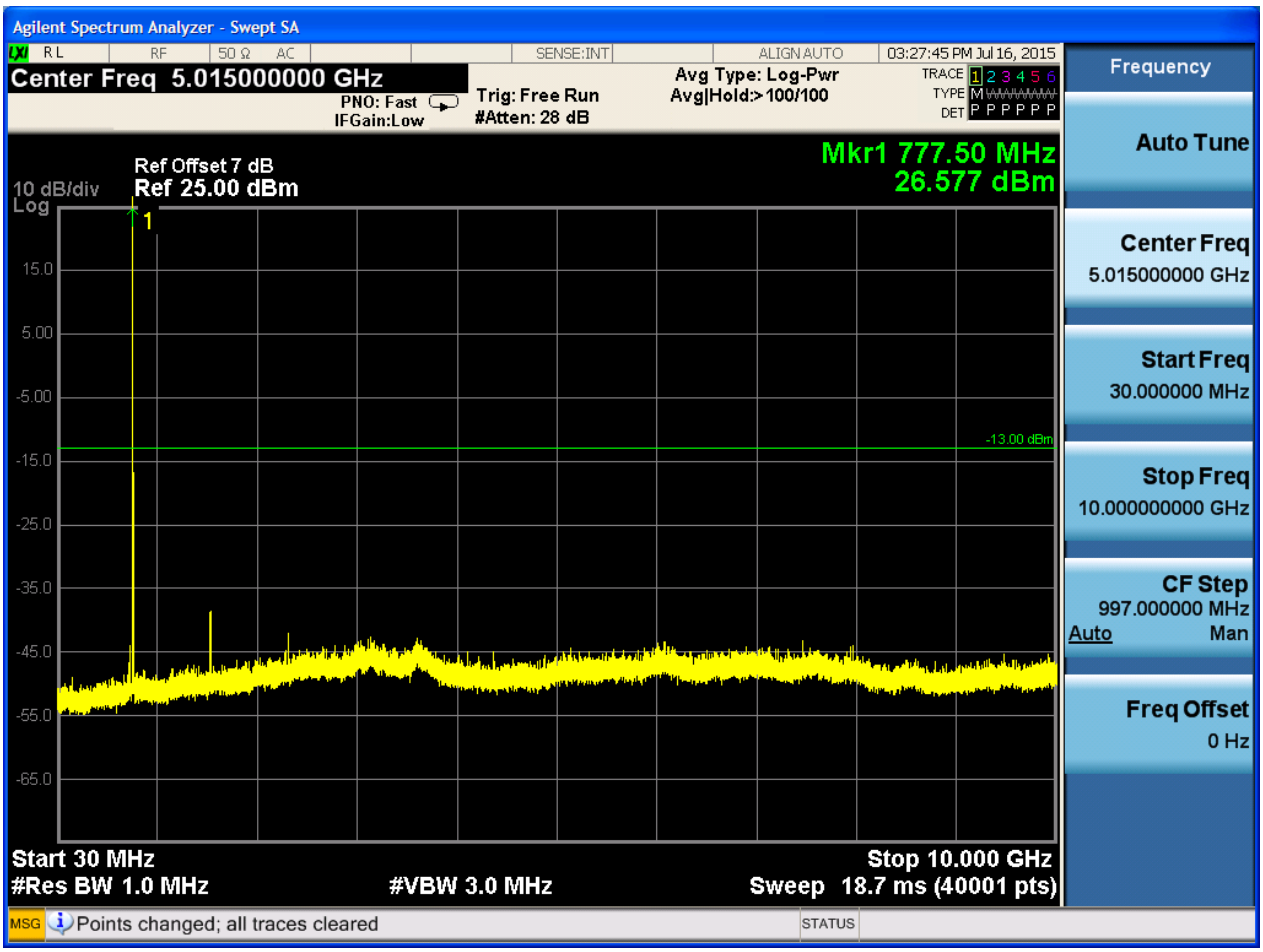

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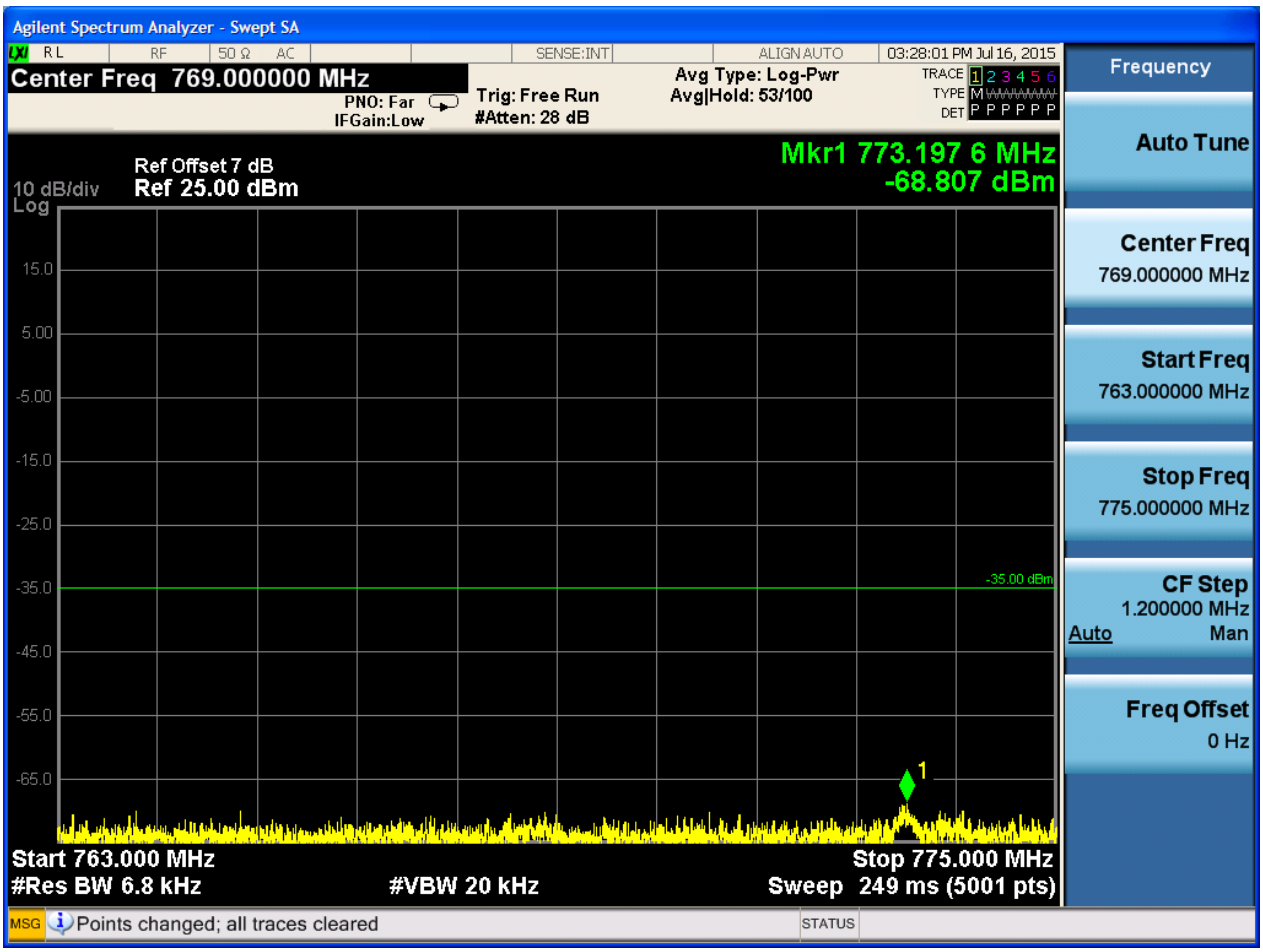

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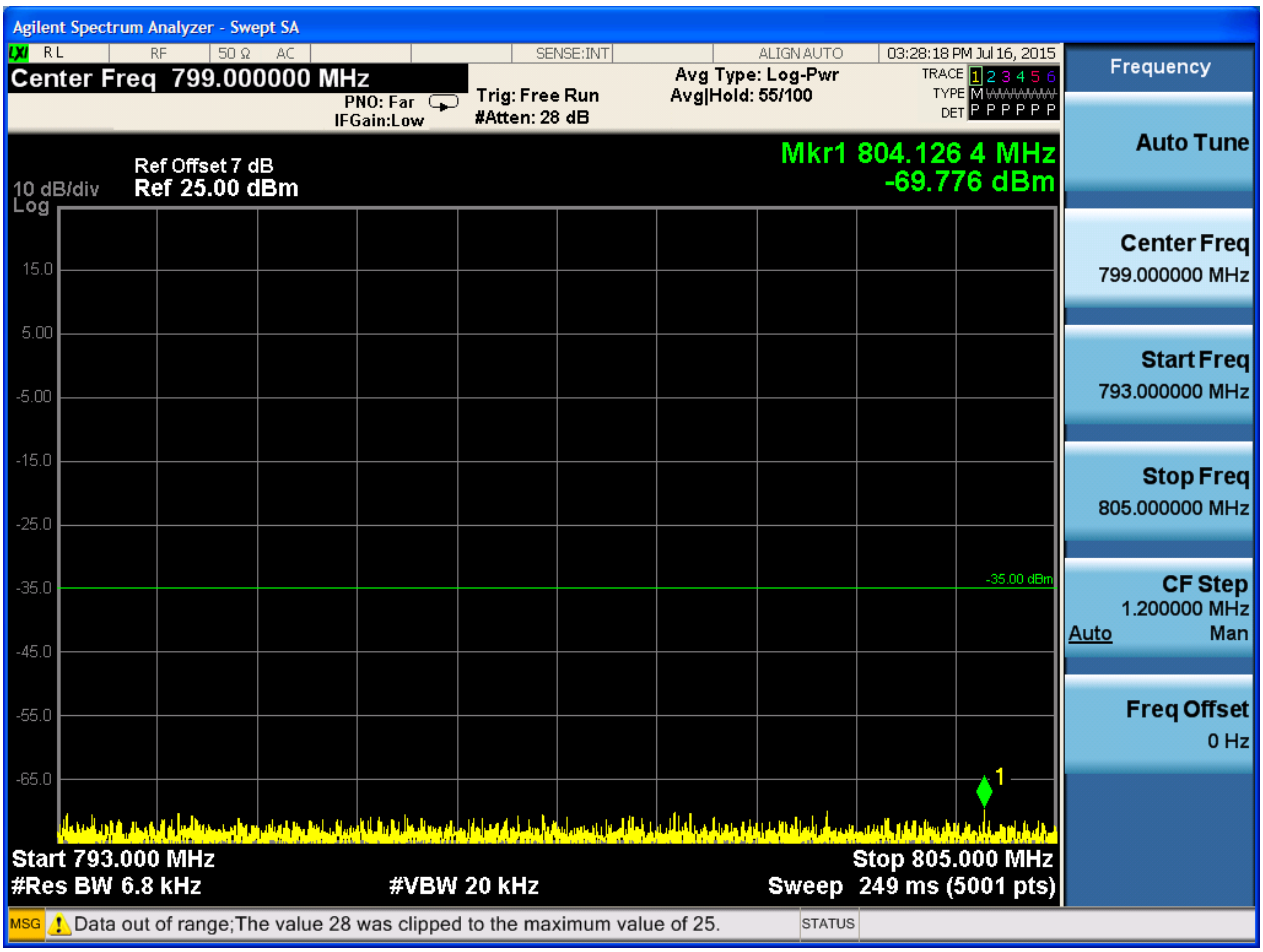

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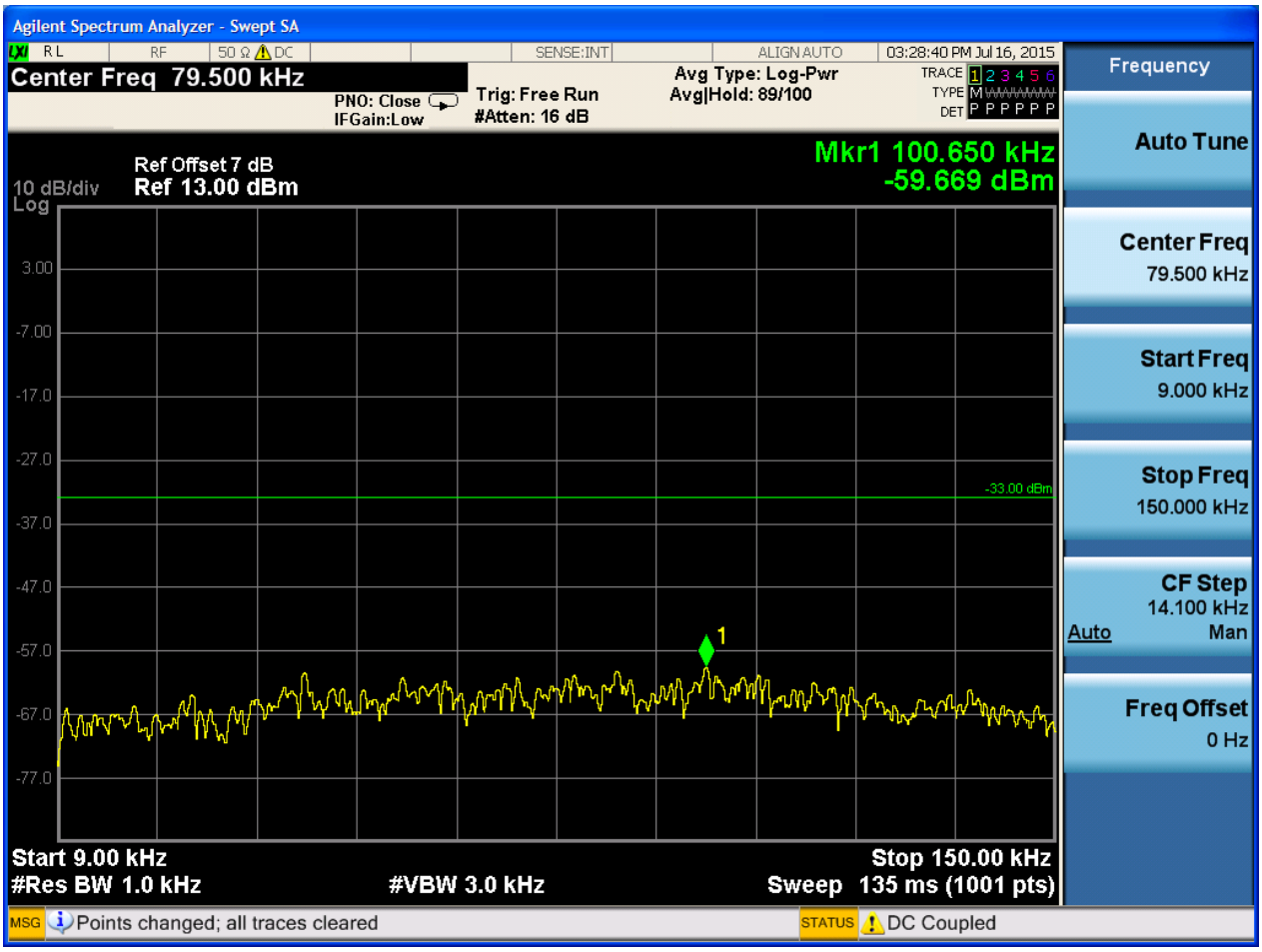
6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0



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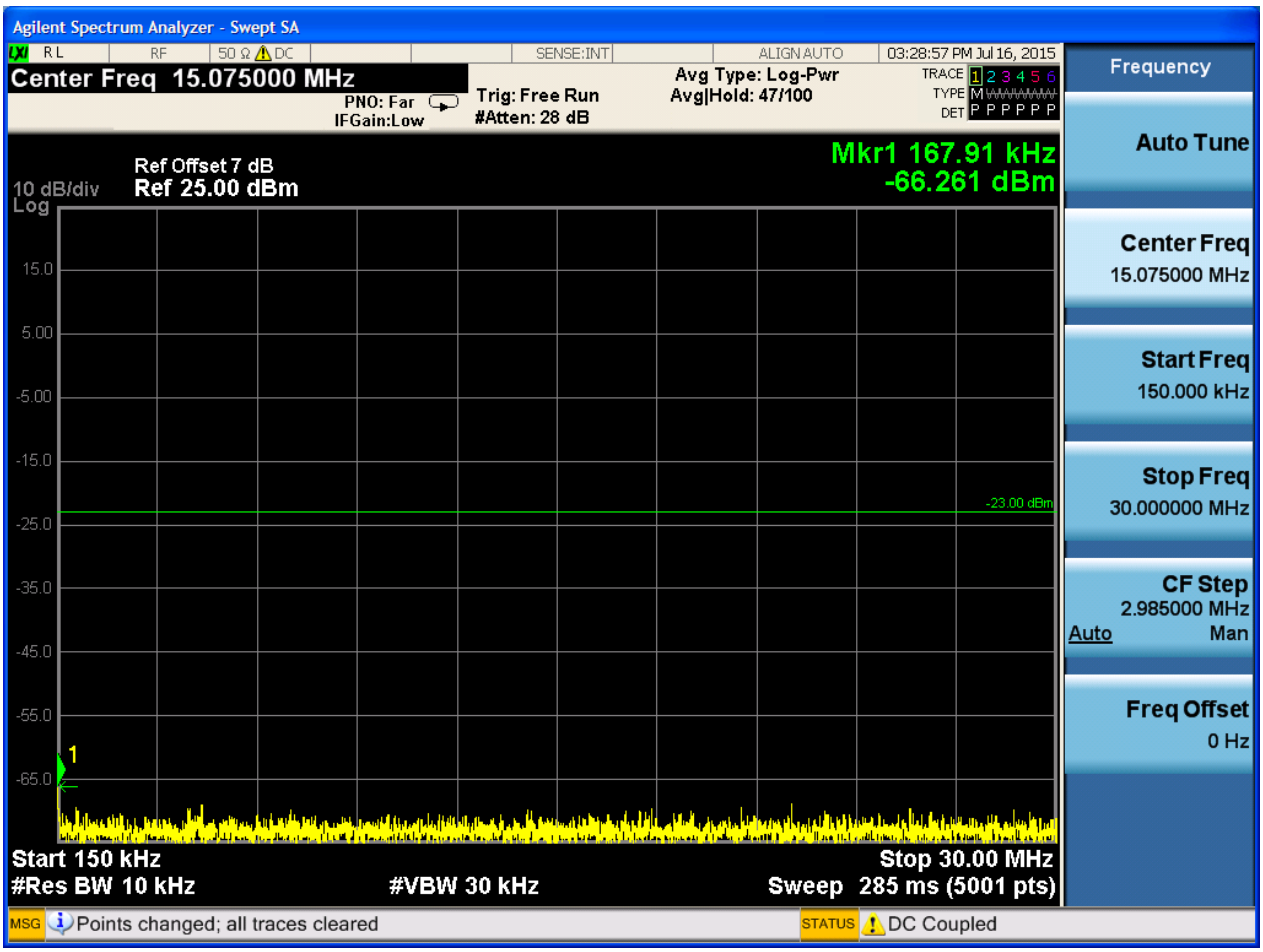

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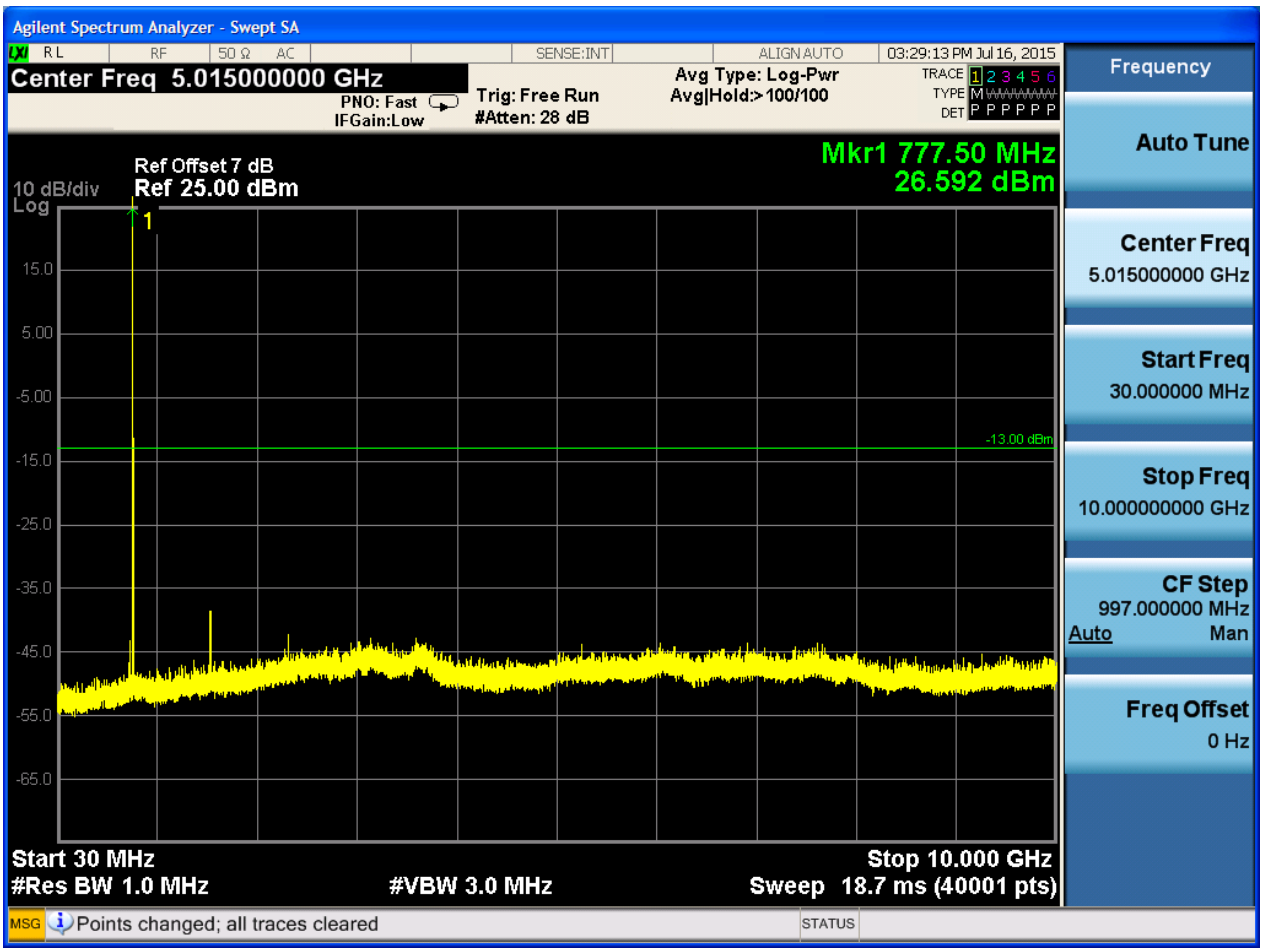

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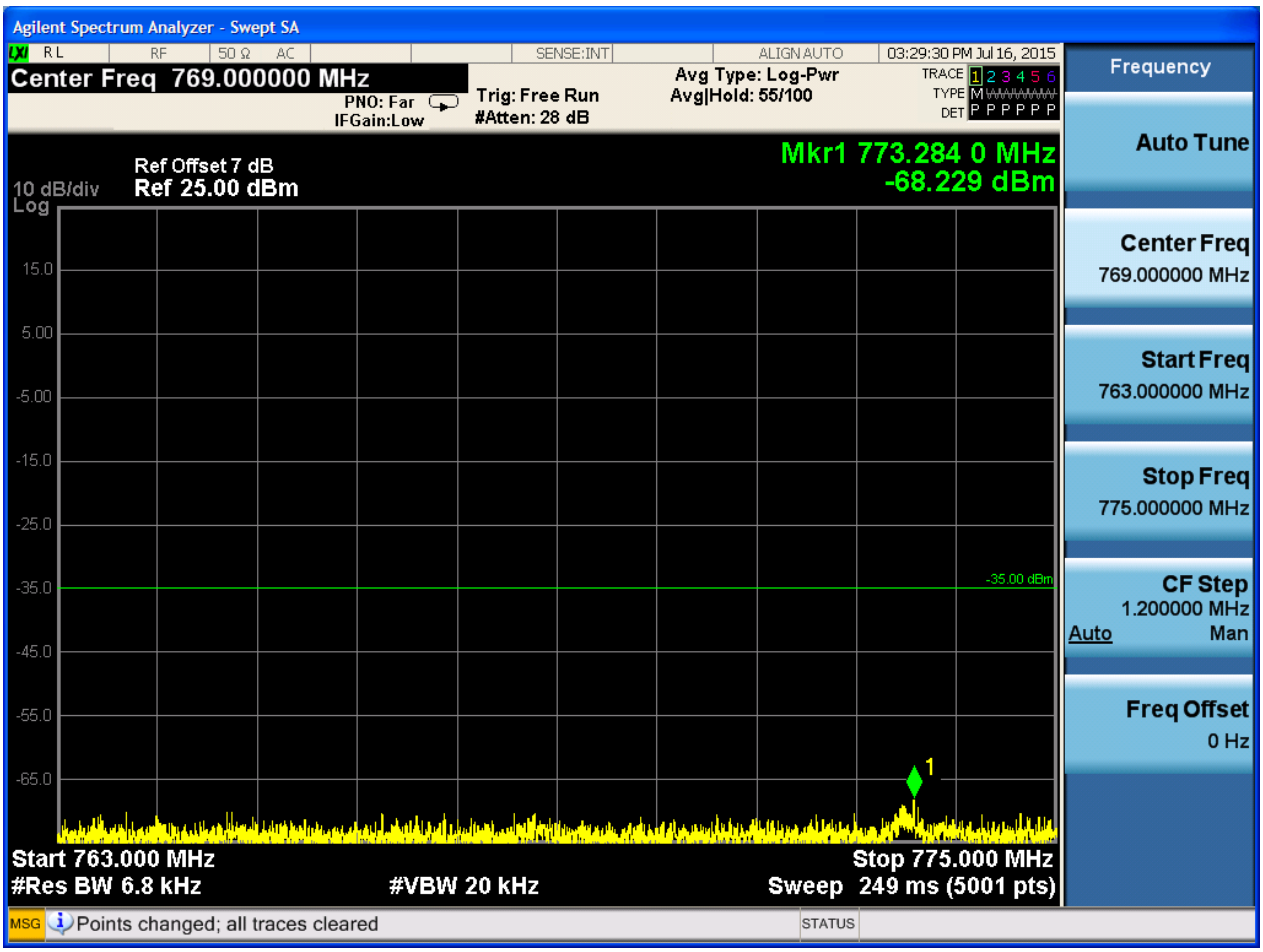

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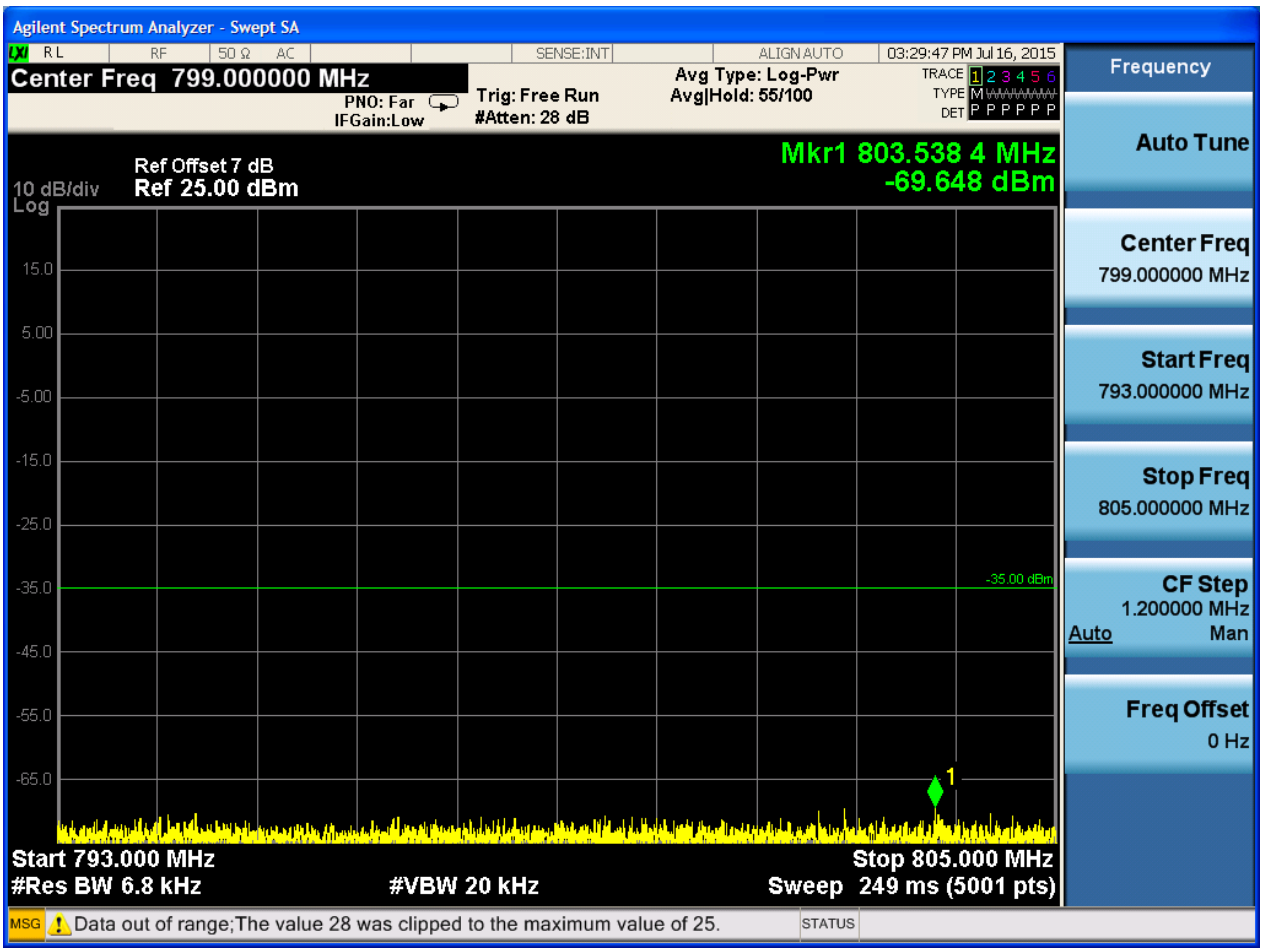

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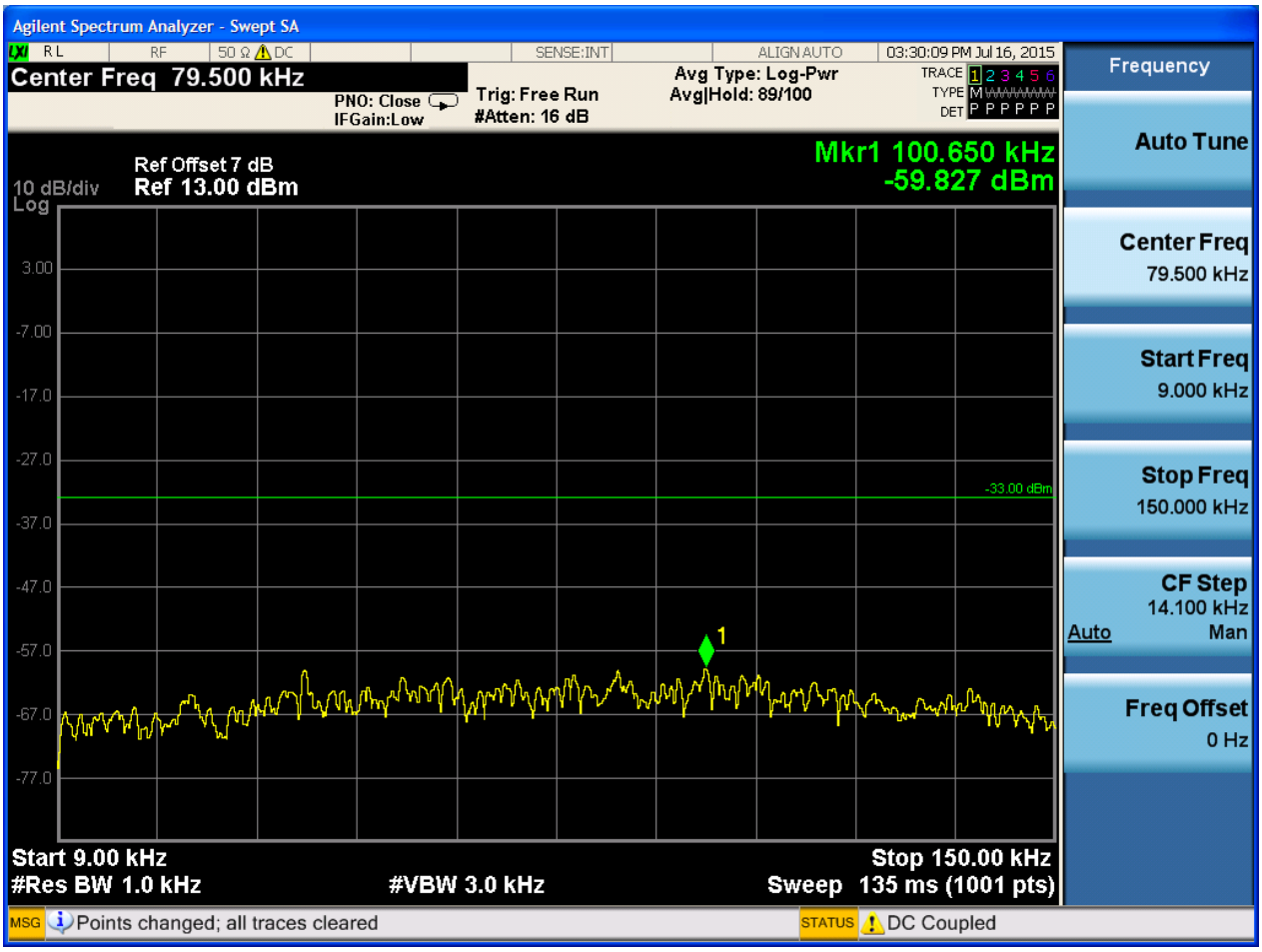
6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0



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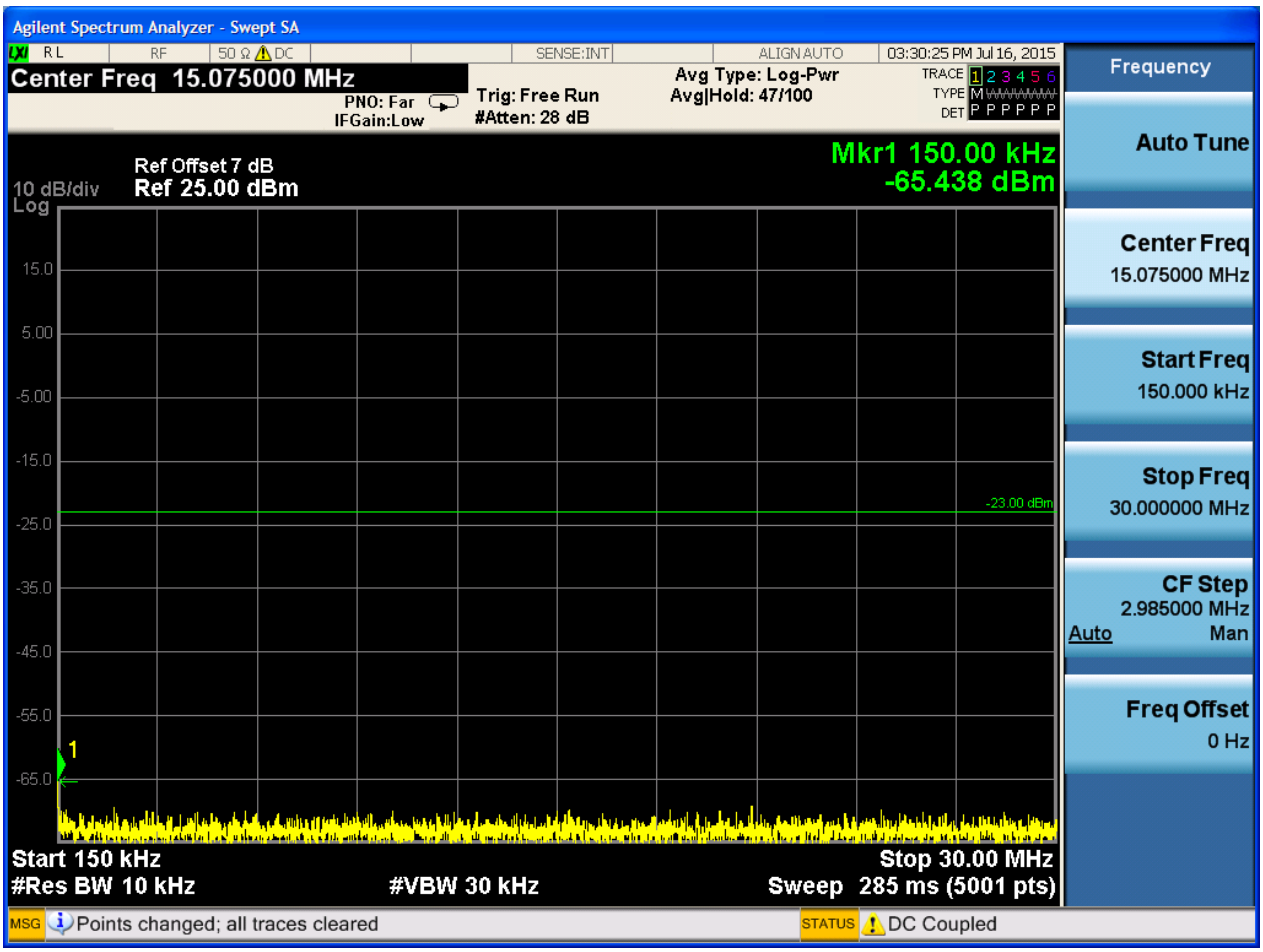

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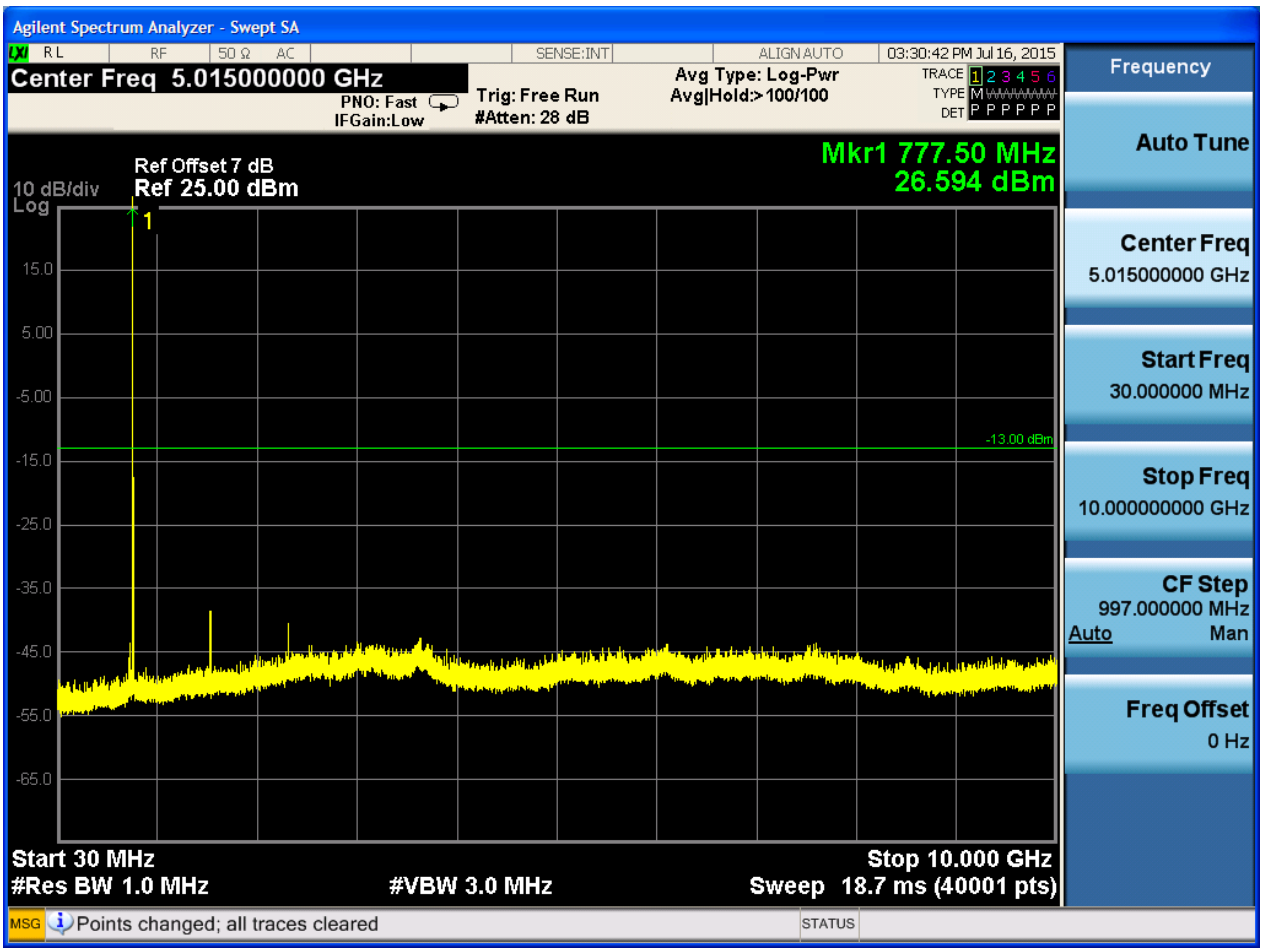

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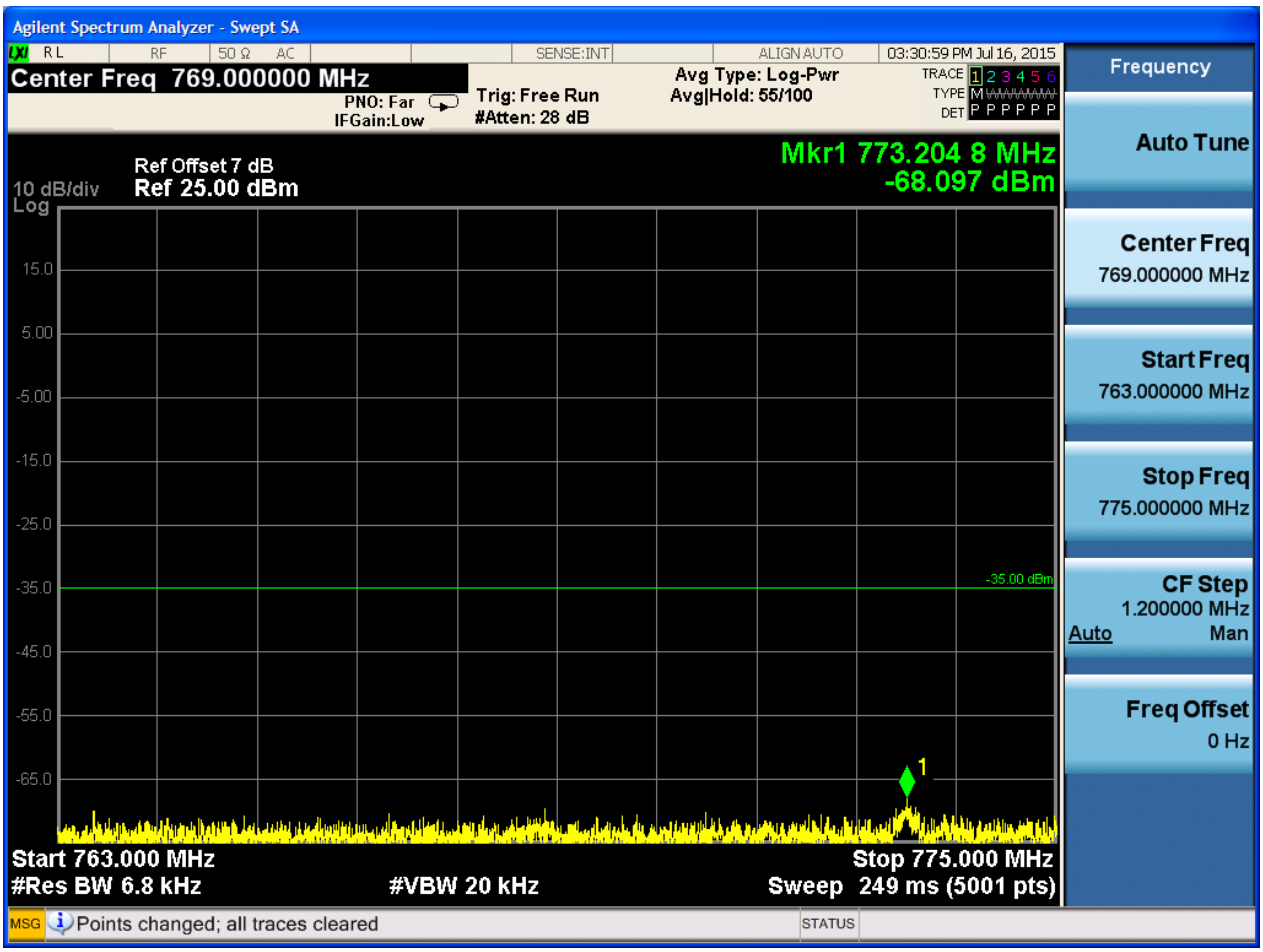

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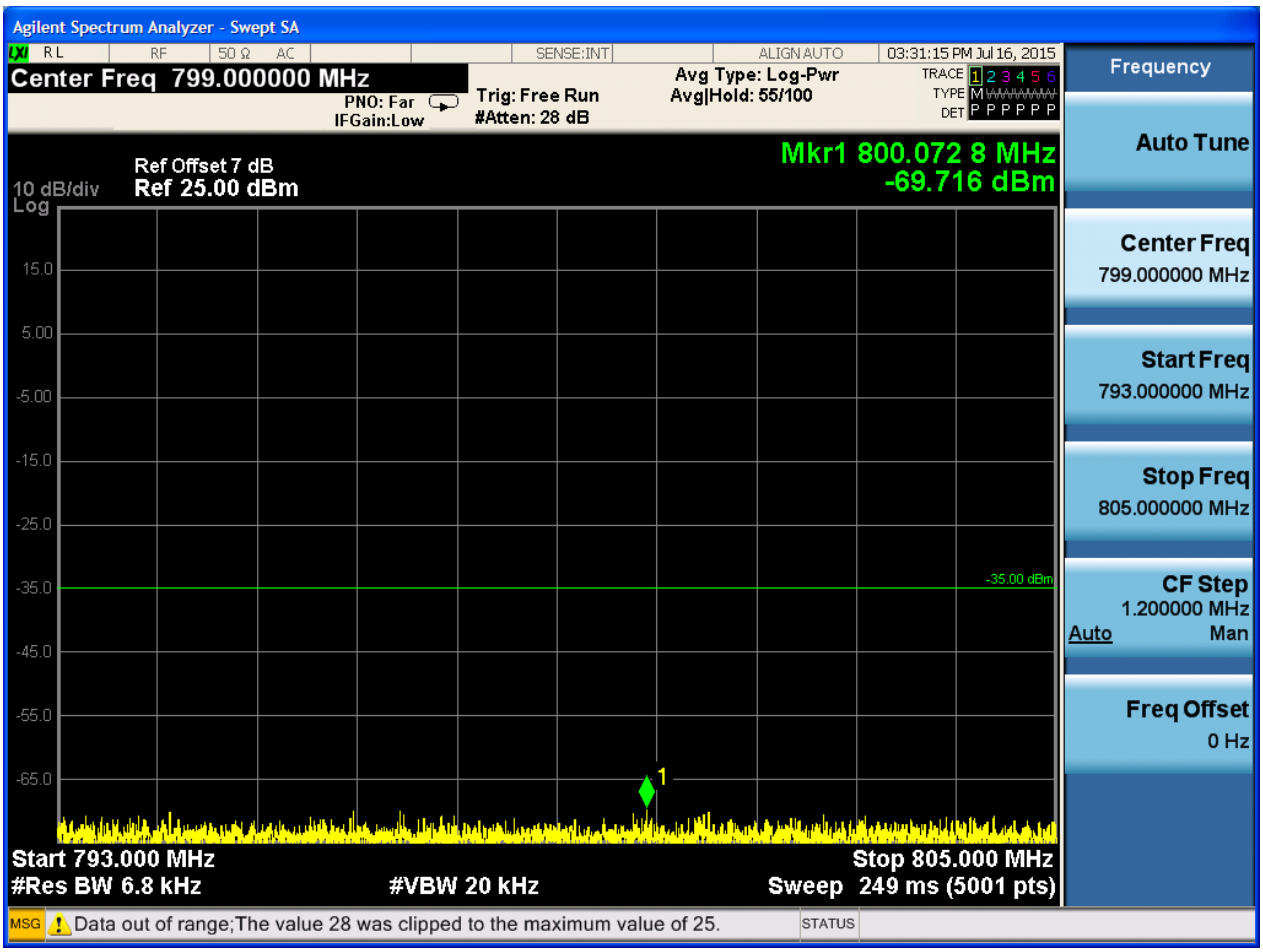

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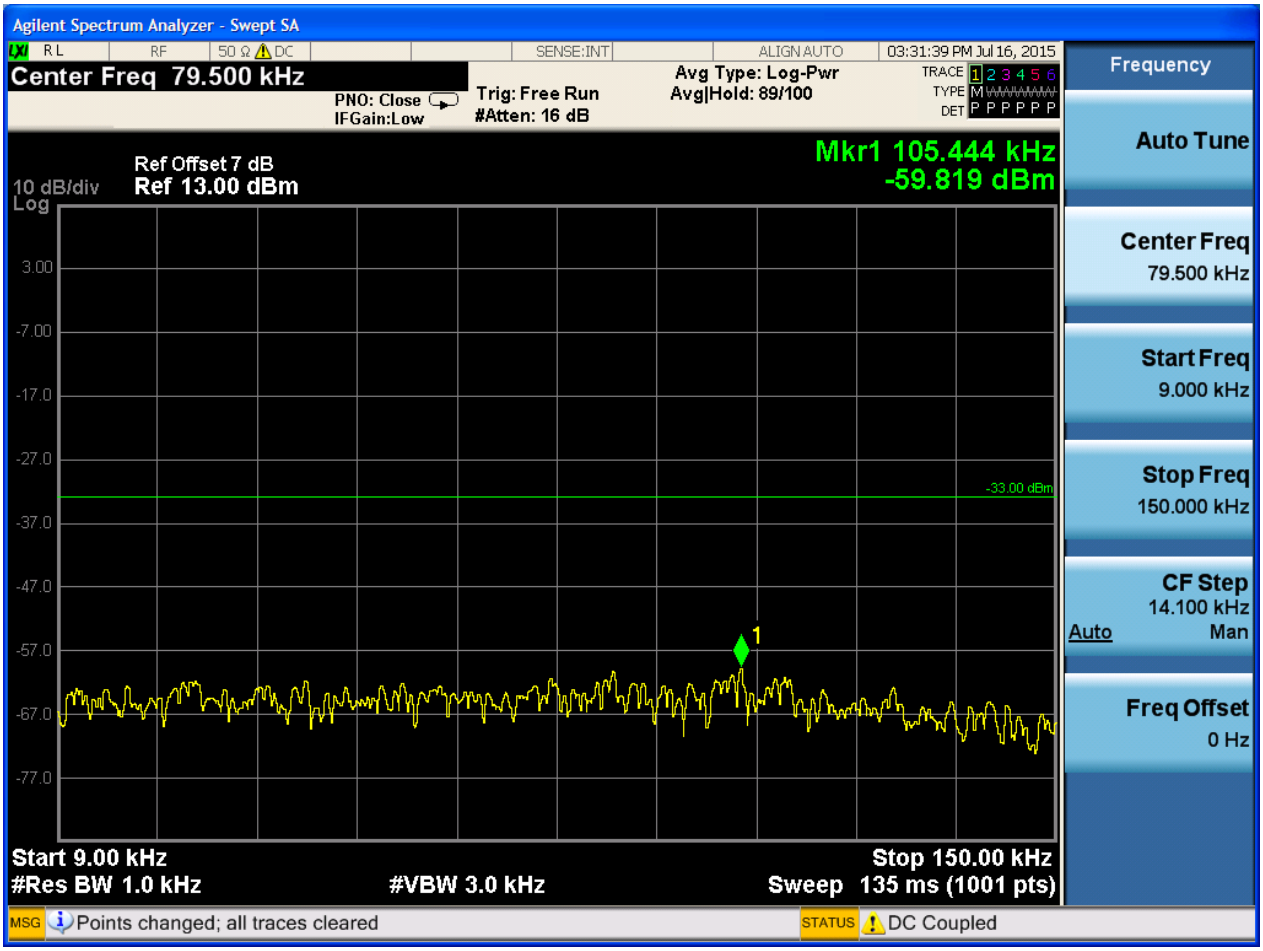
6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0



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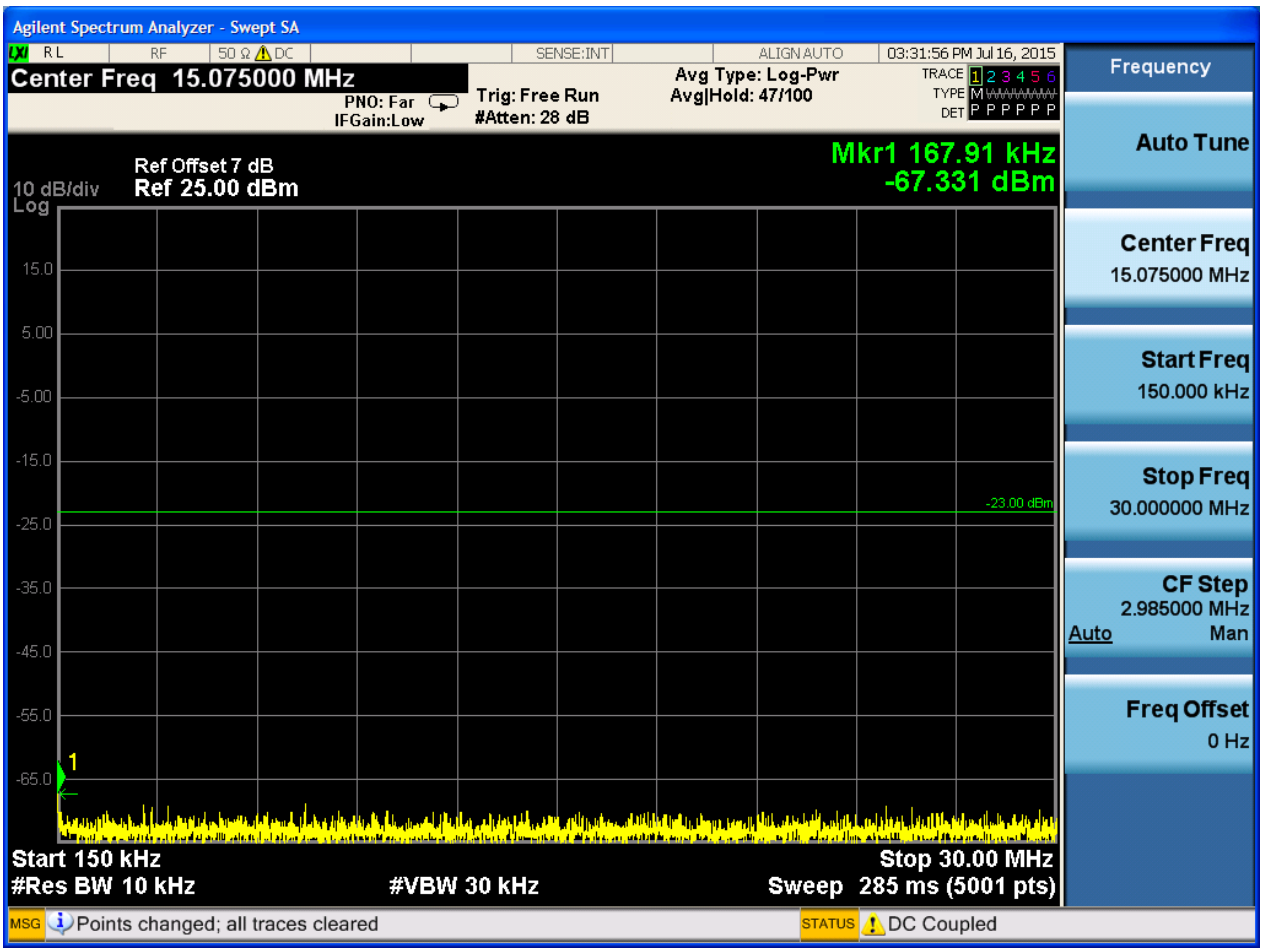

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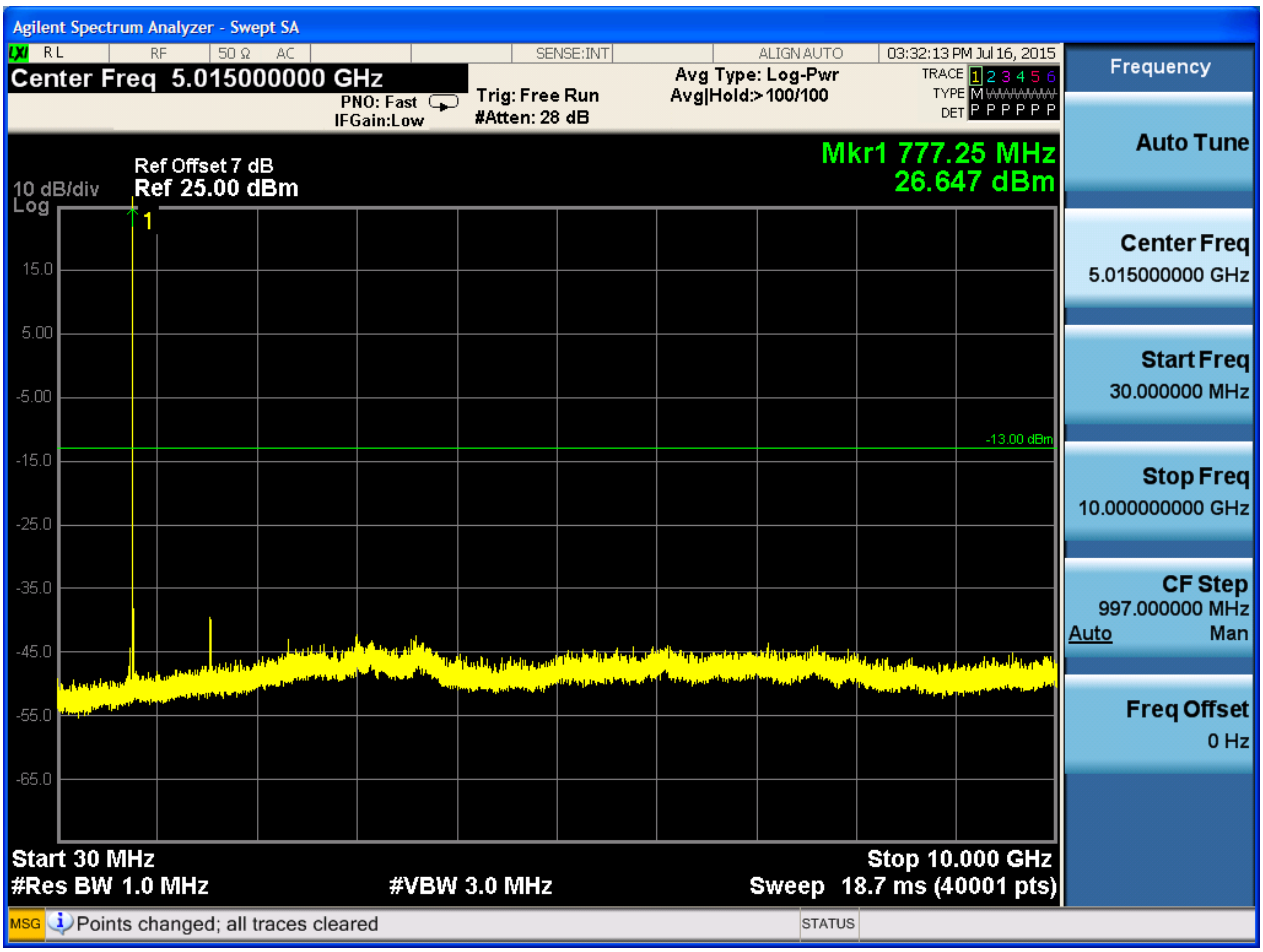

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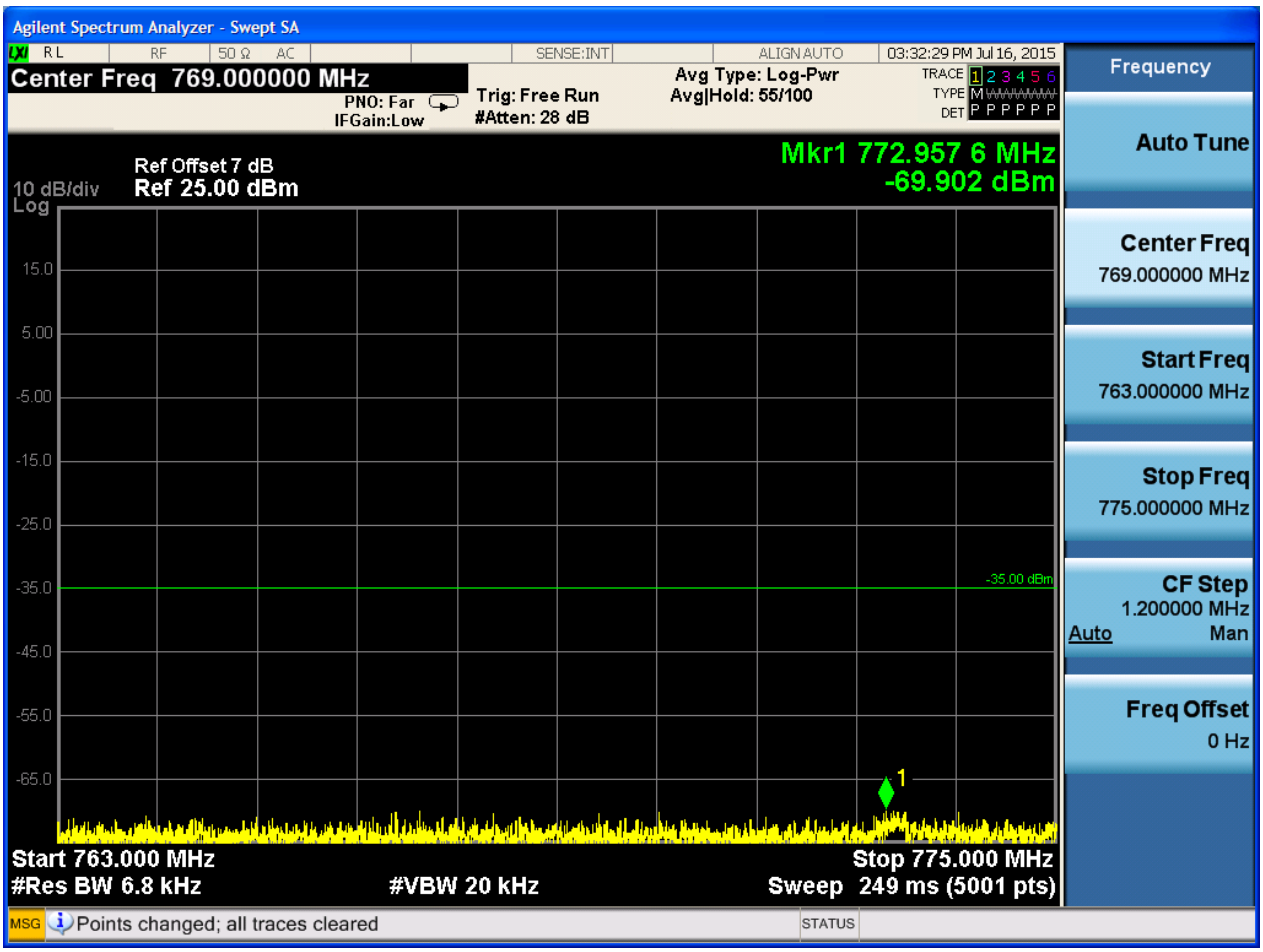

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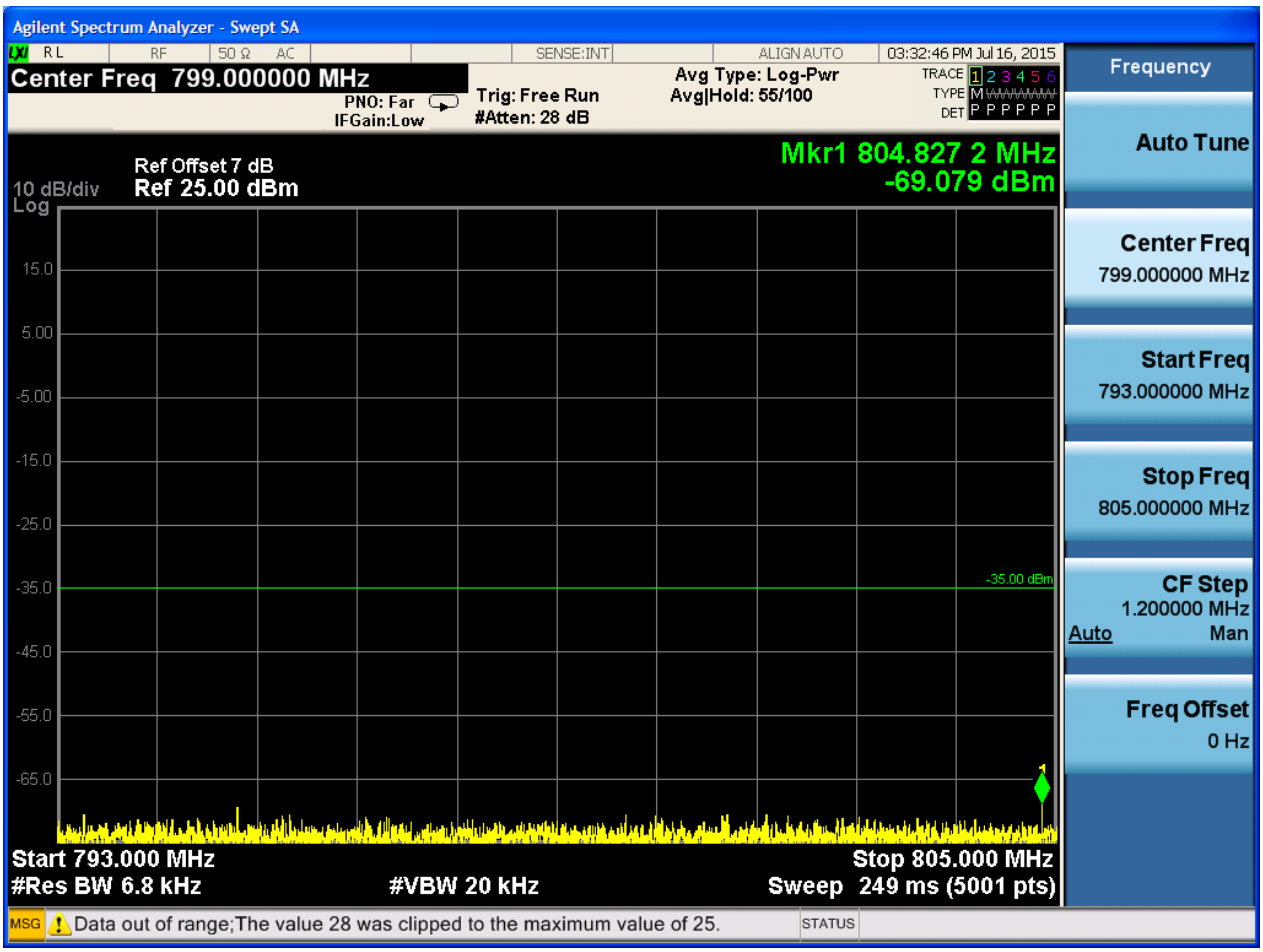

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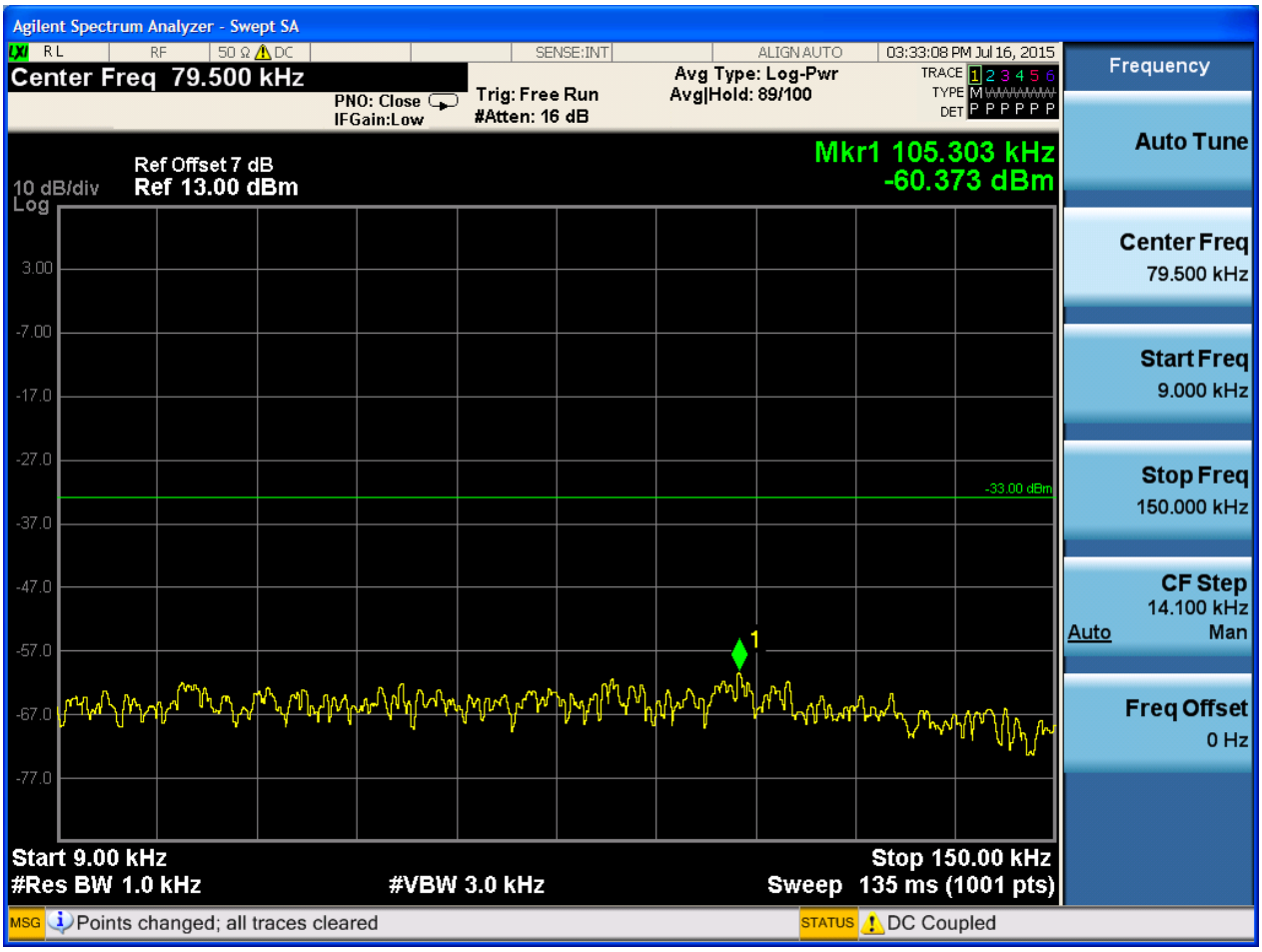
6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



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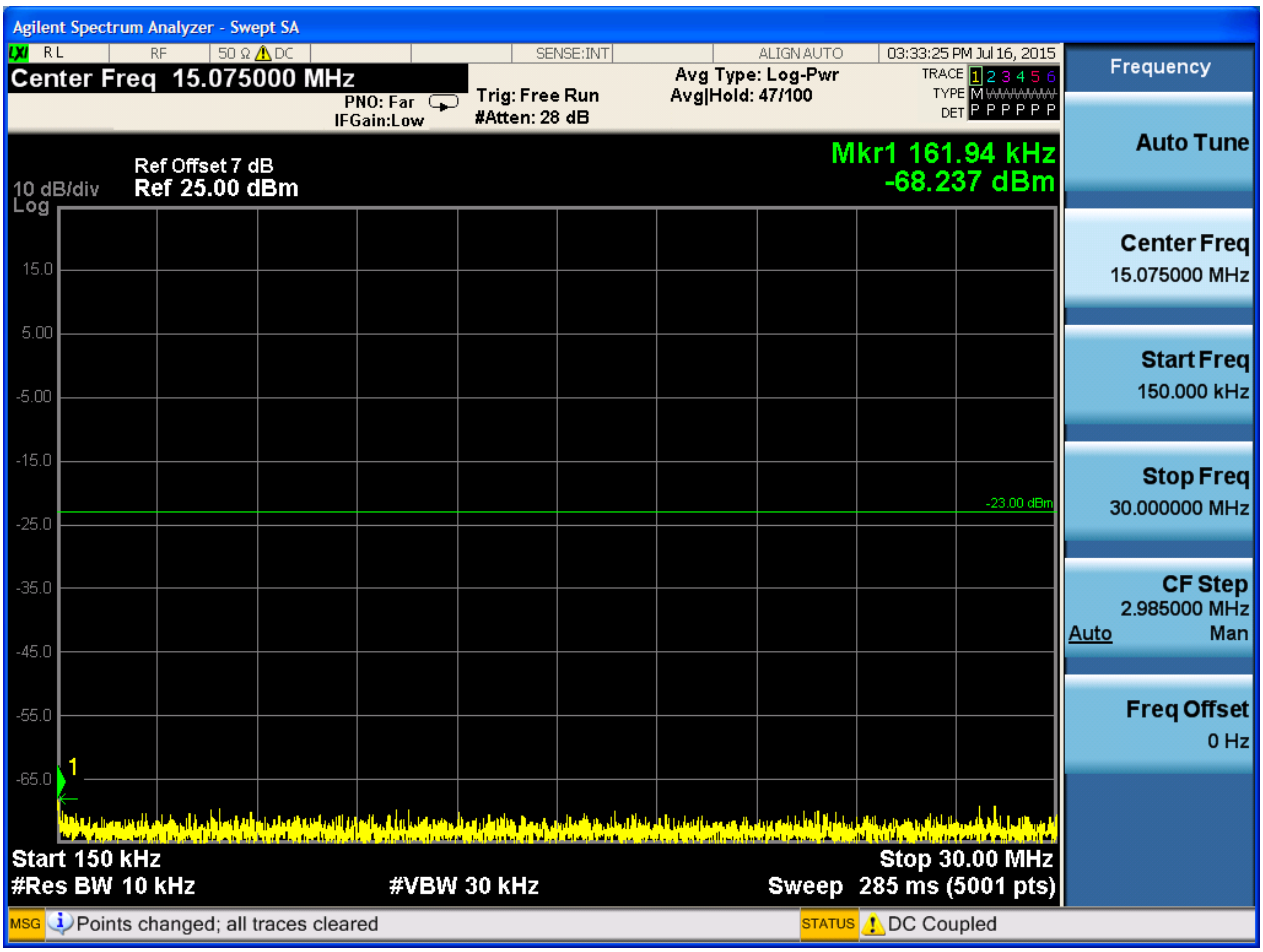

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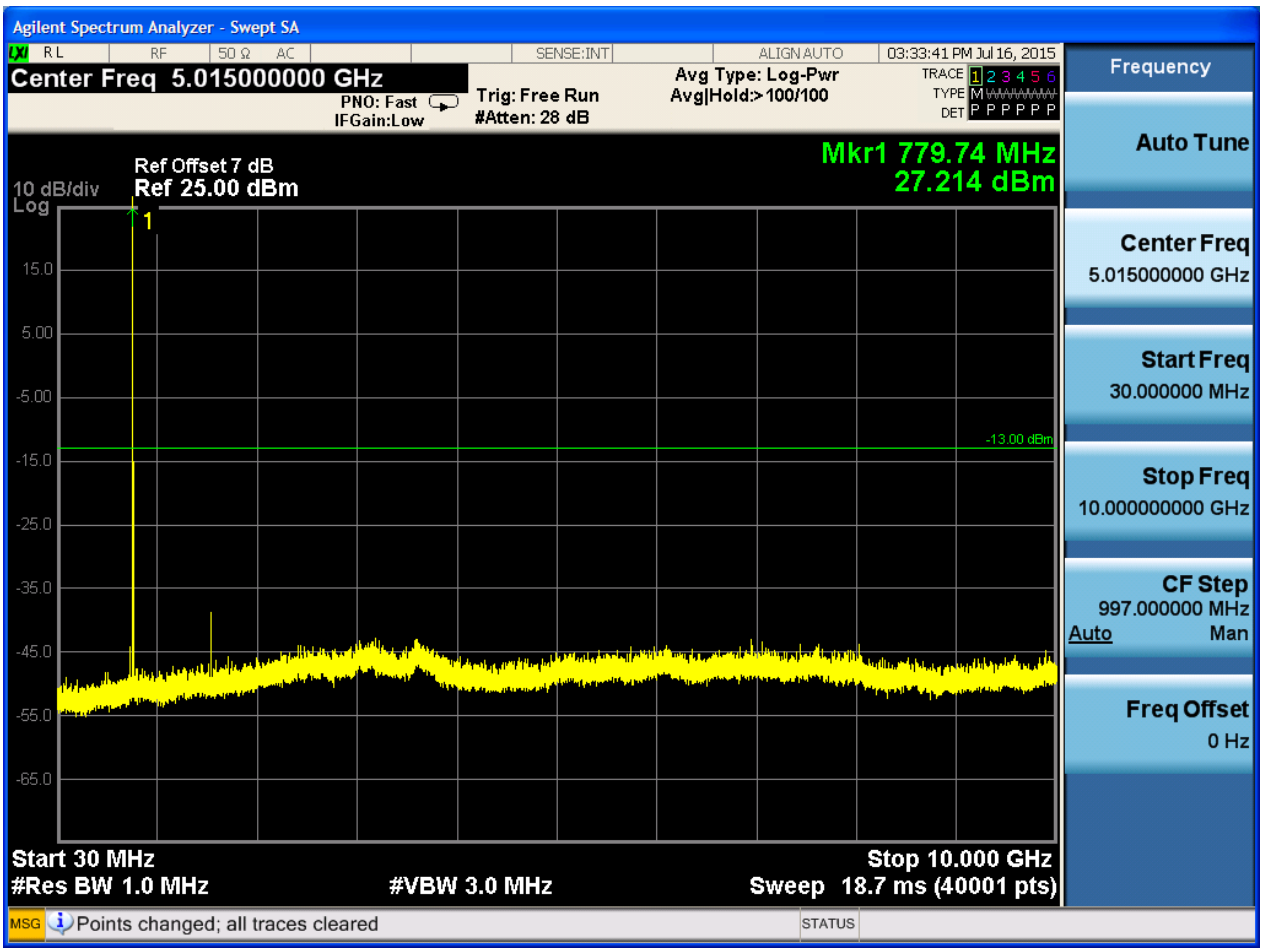

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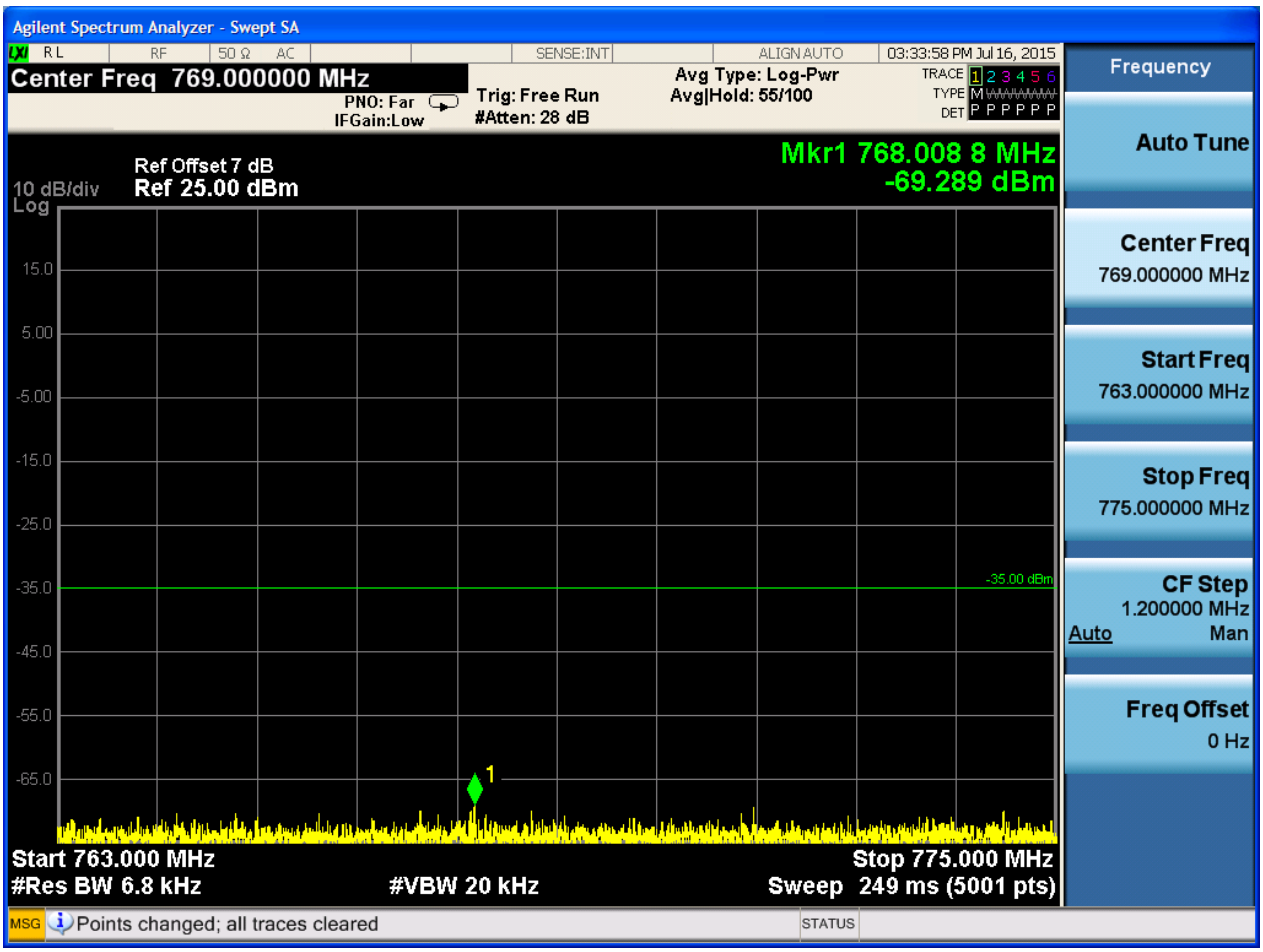

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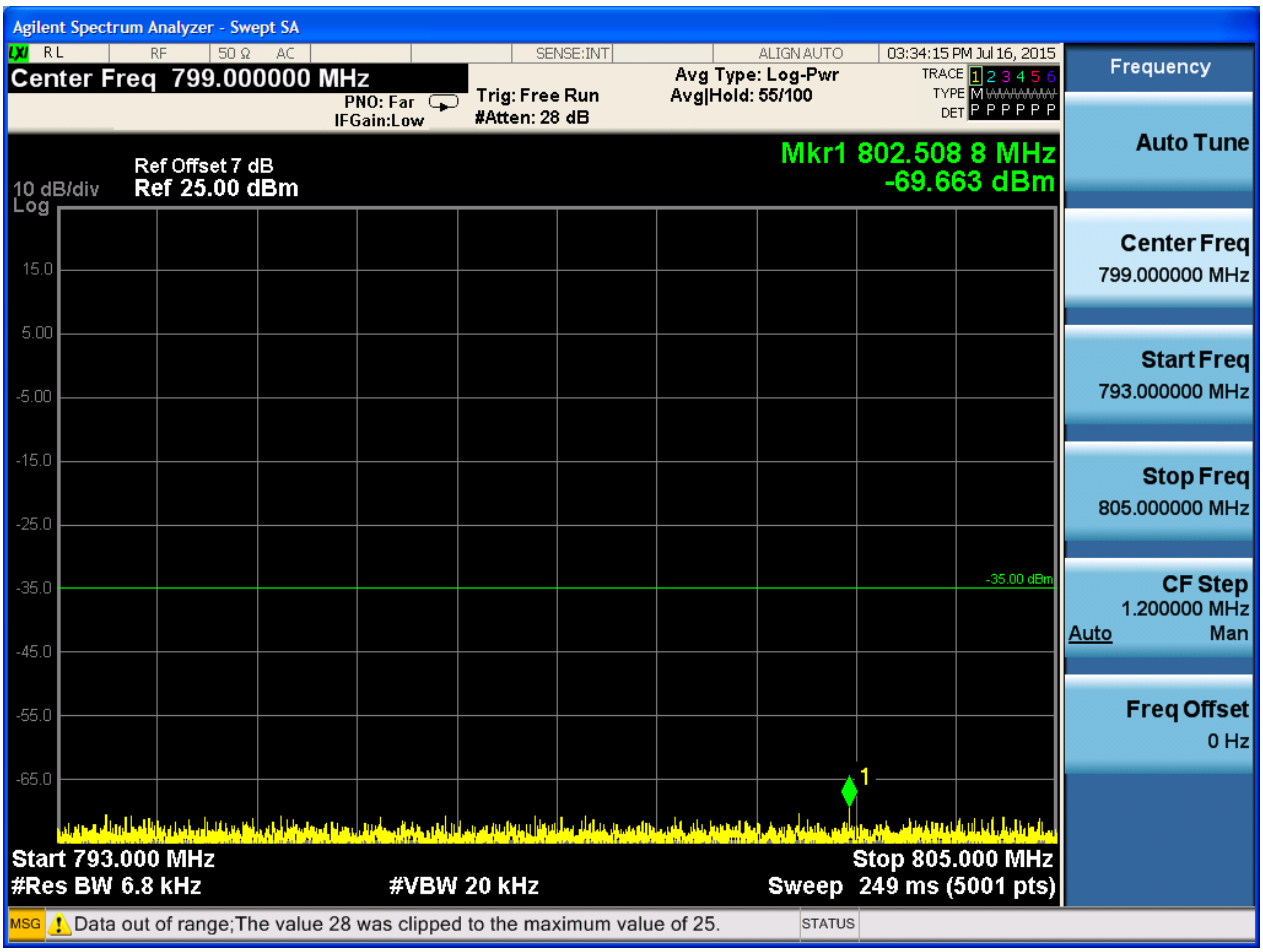

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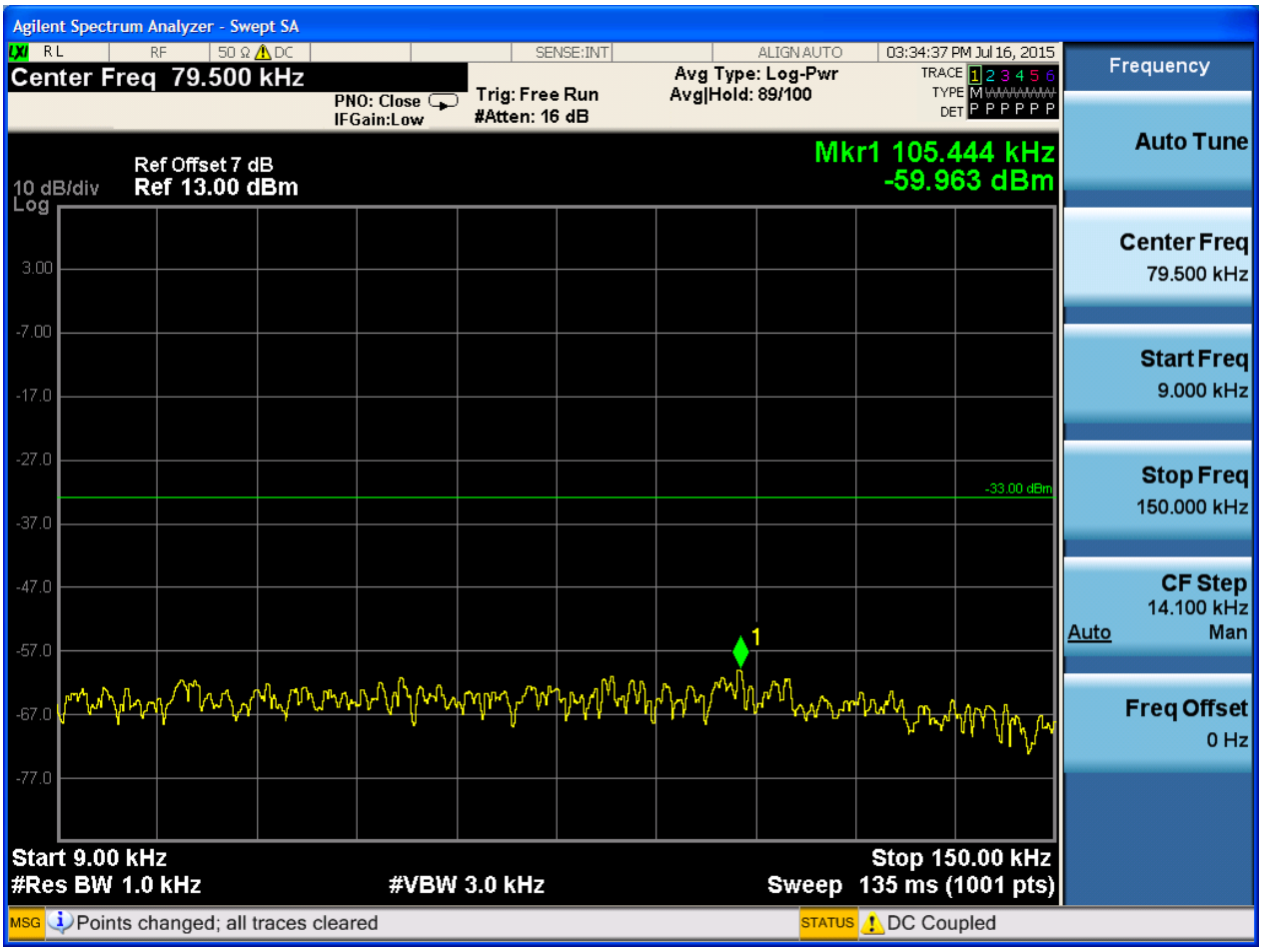
6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



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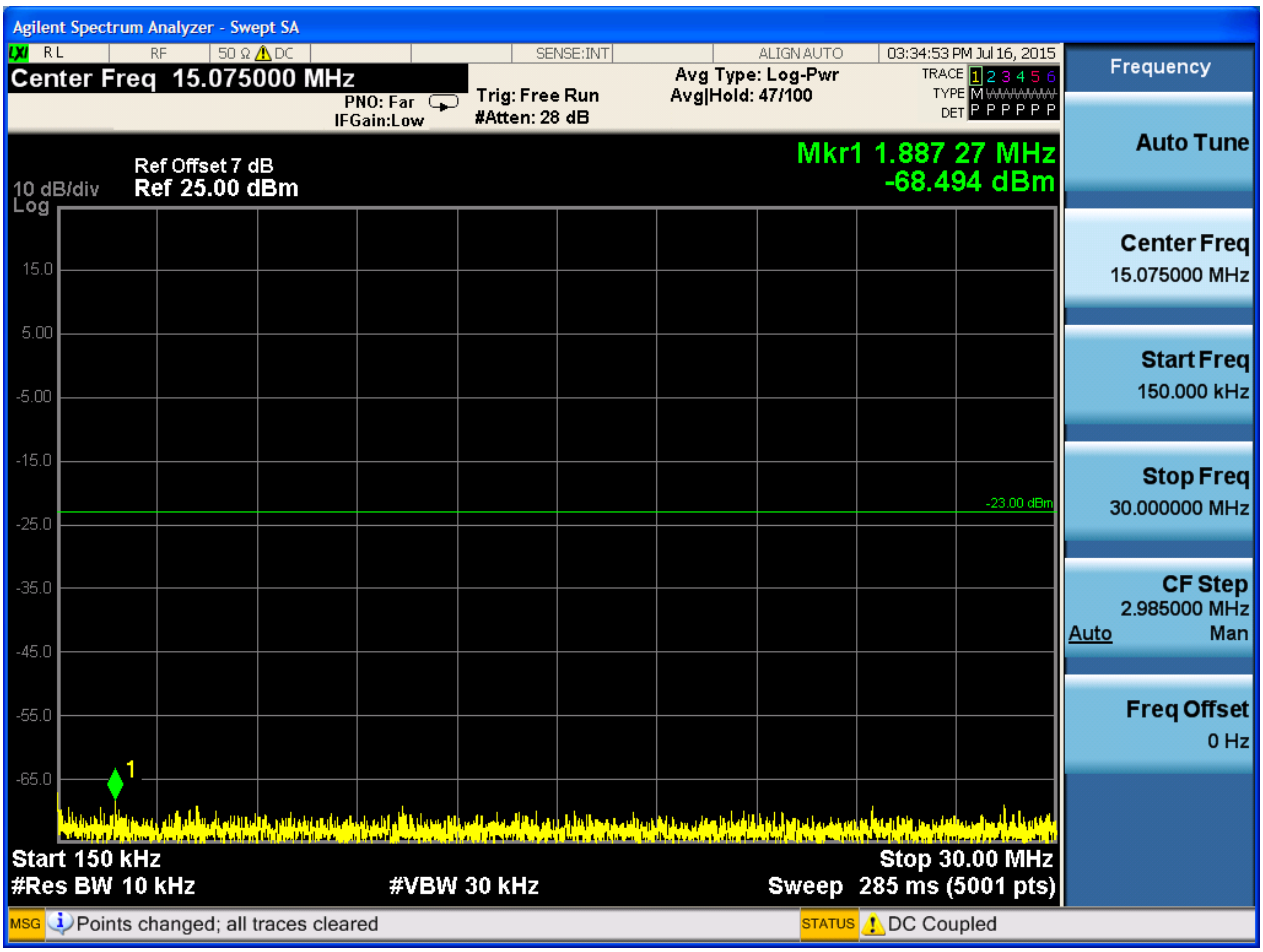

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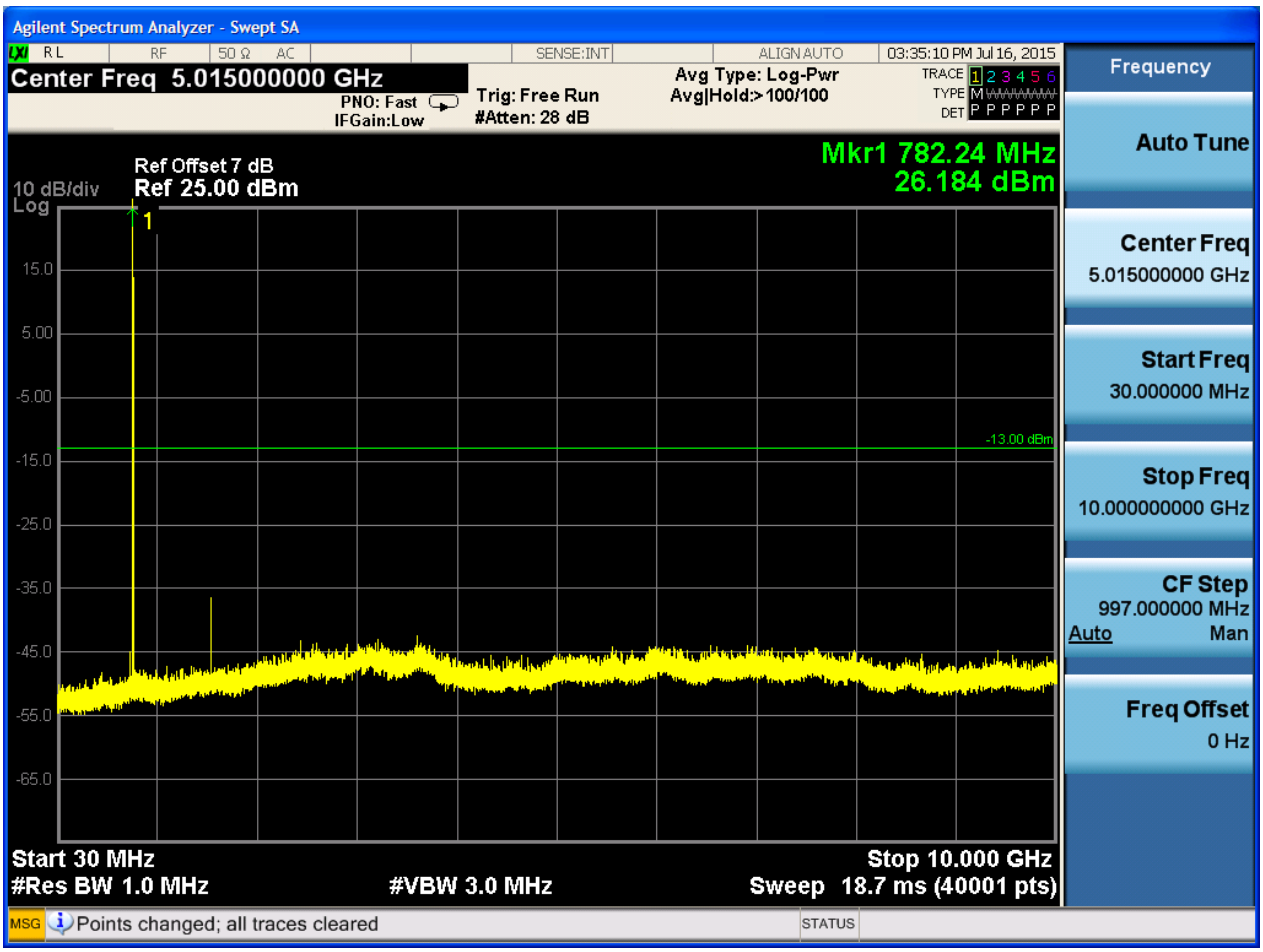

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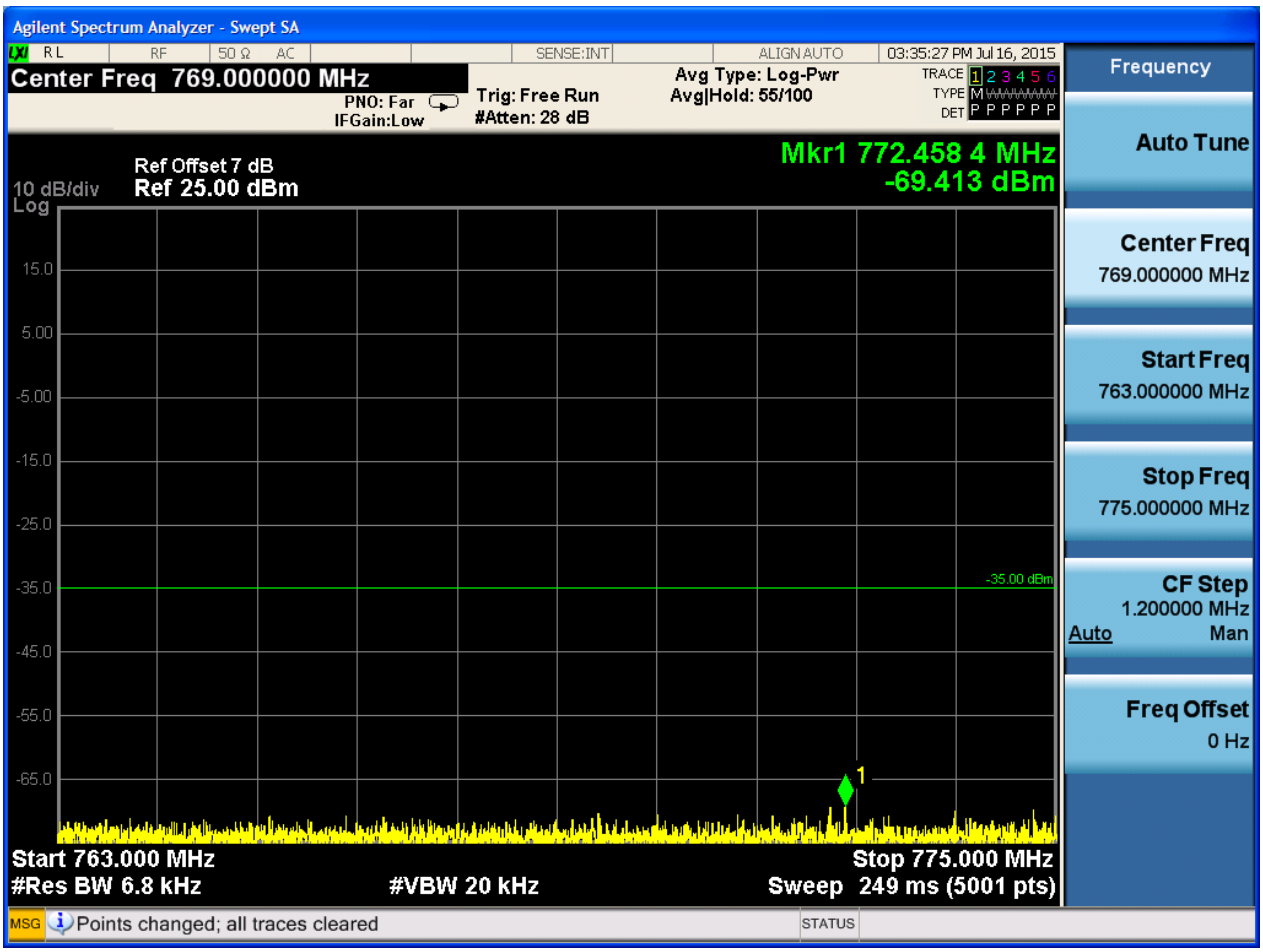

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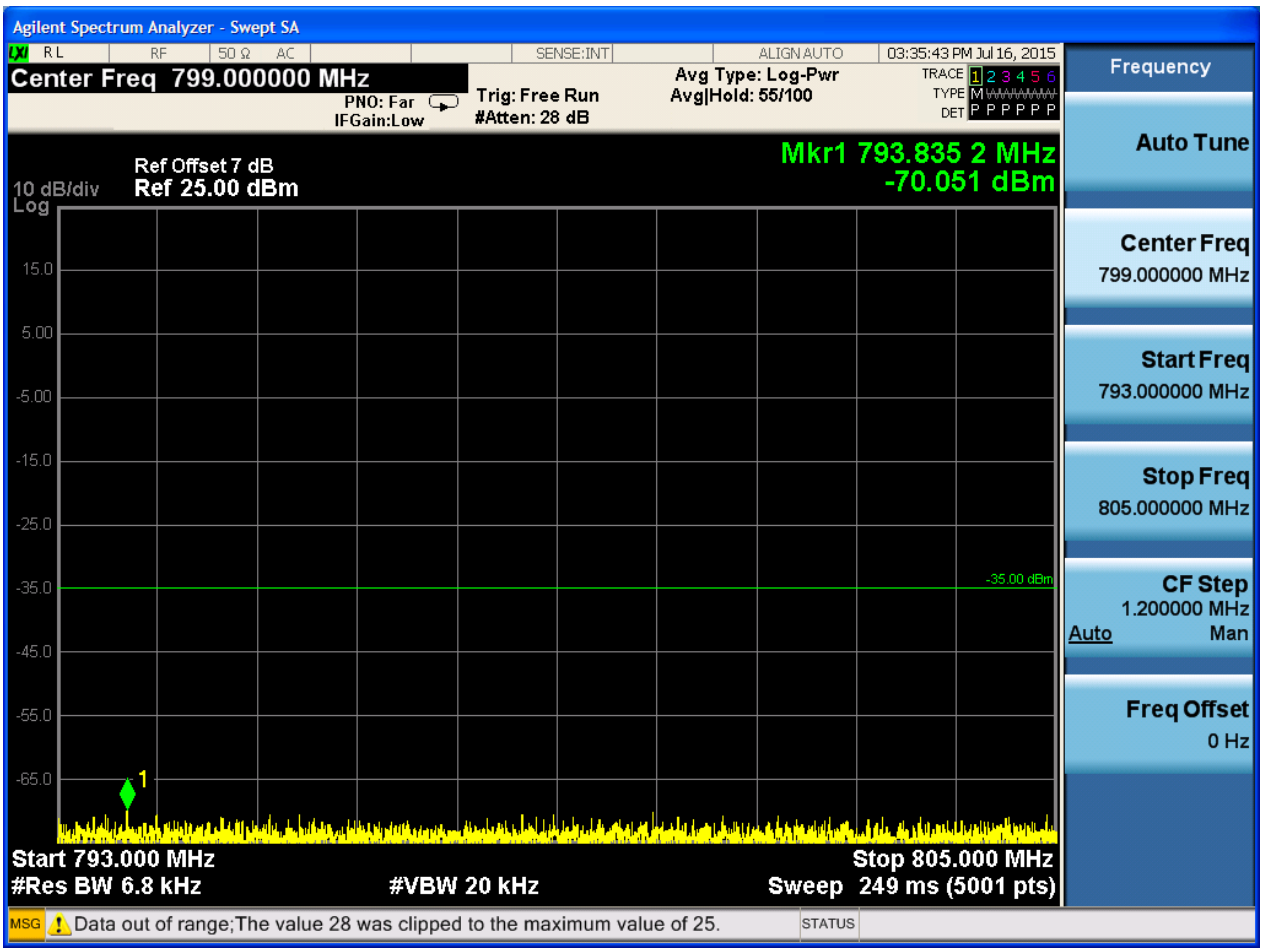

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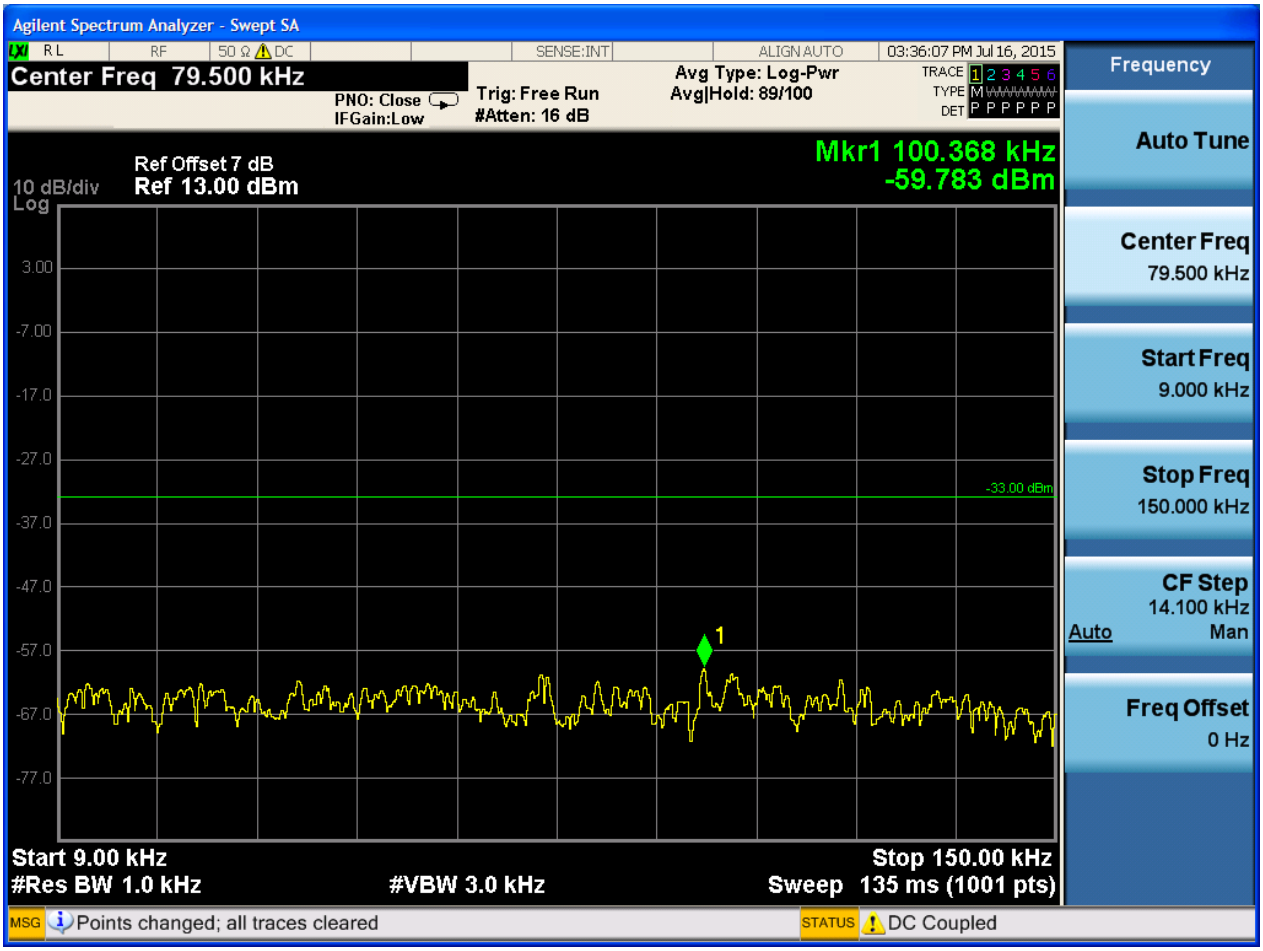
6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0



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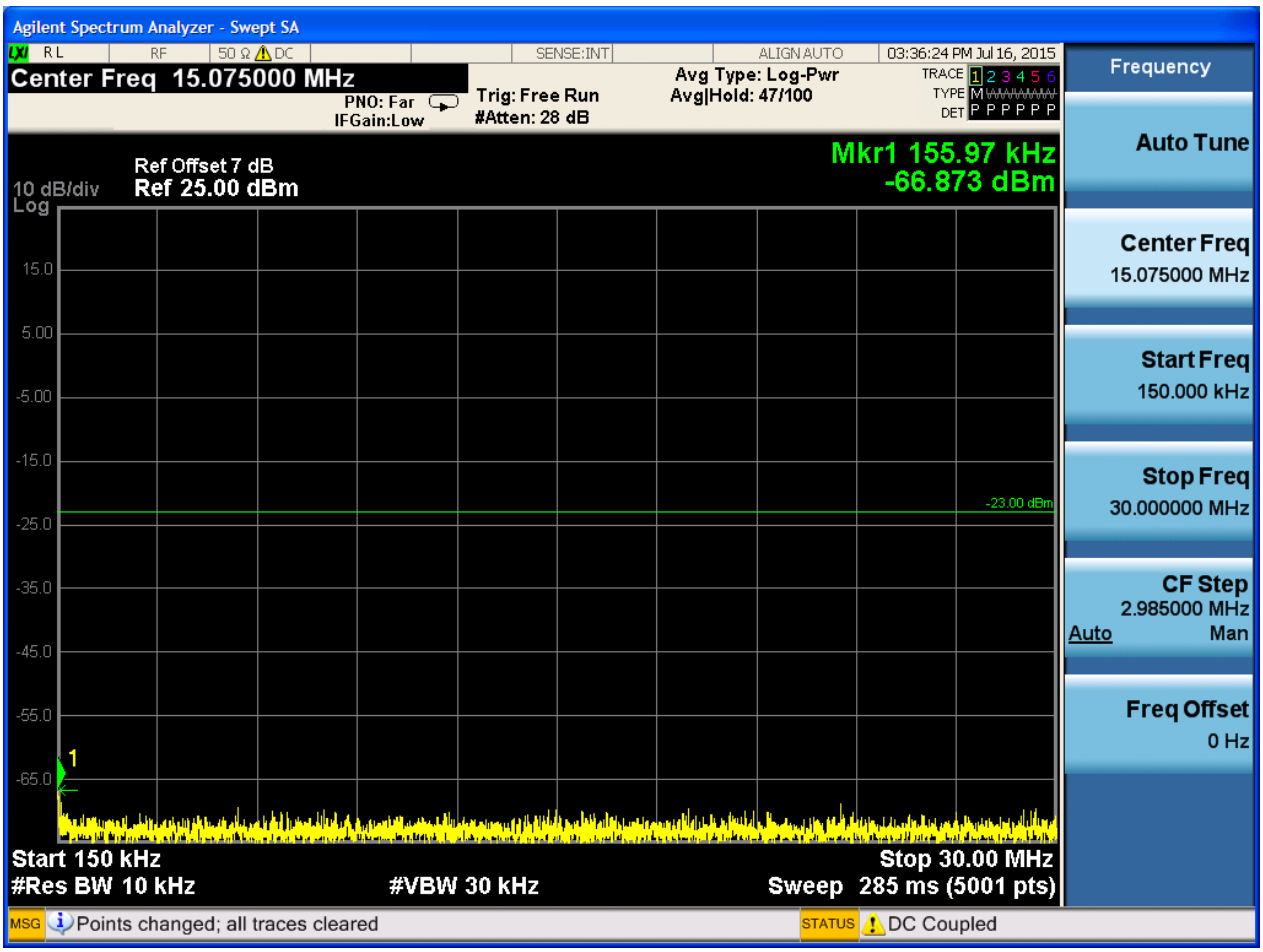

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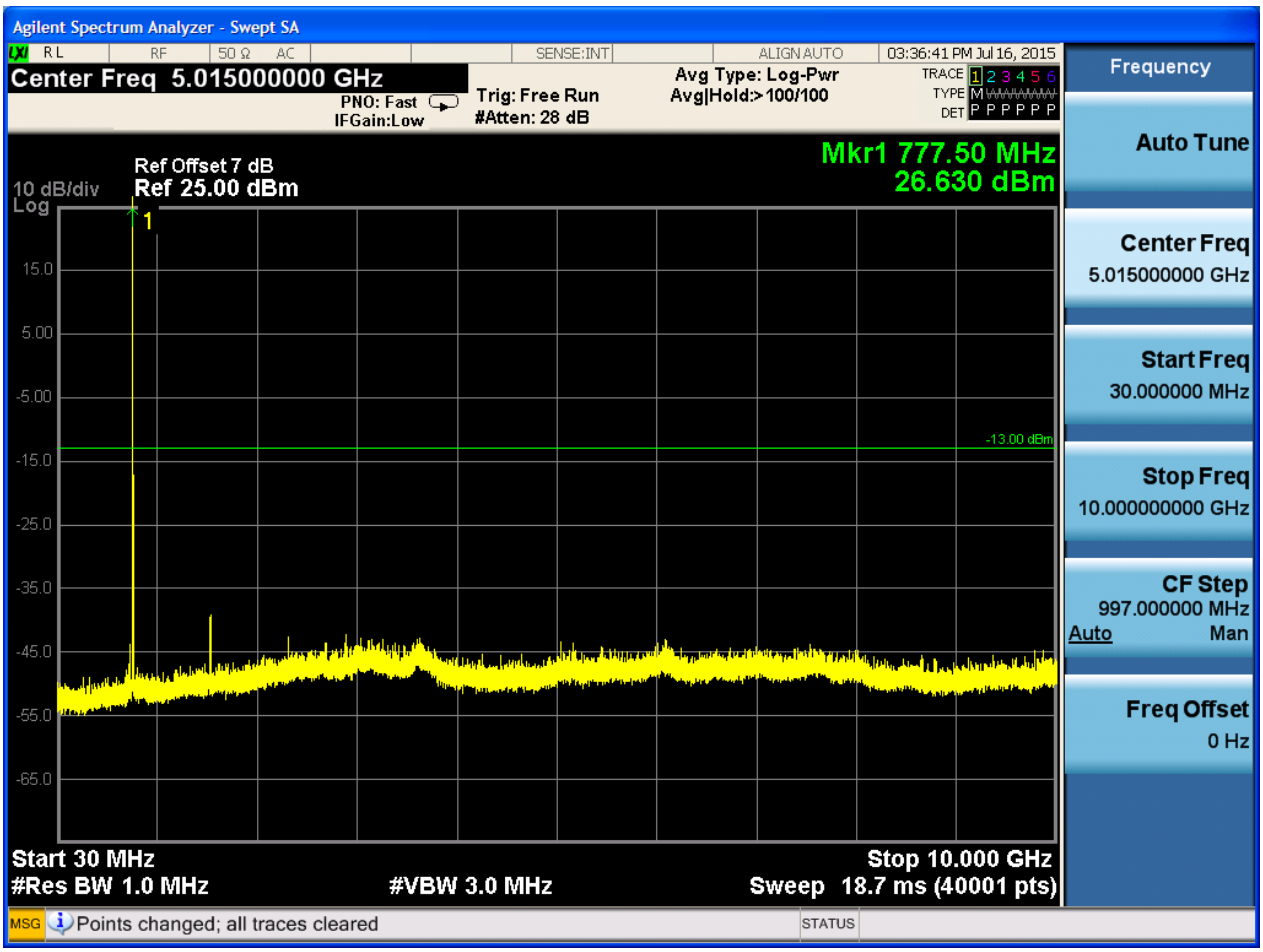

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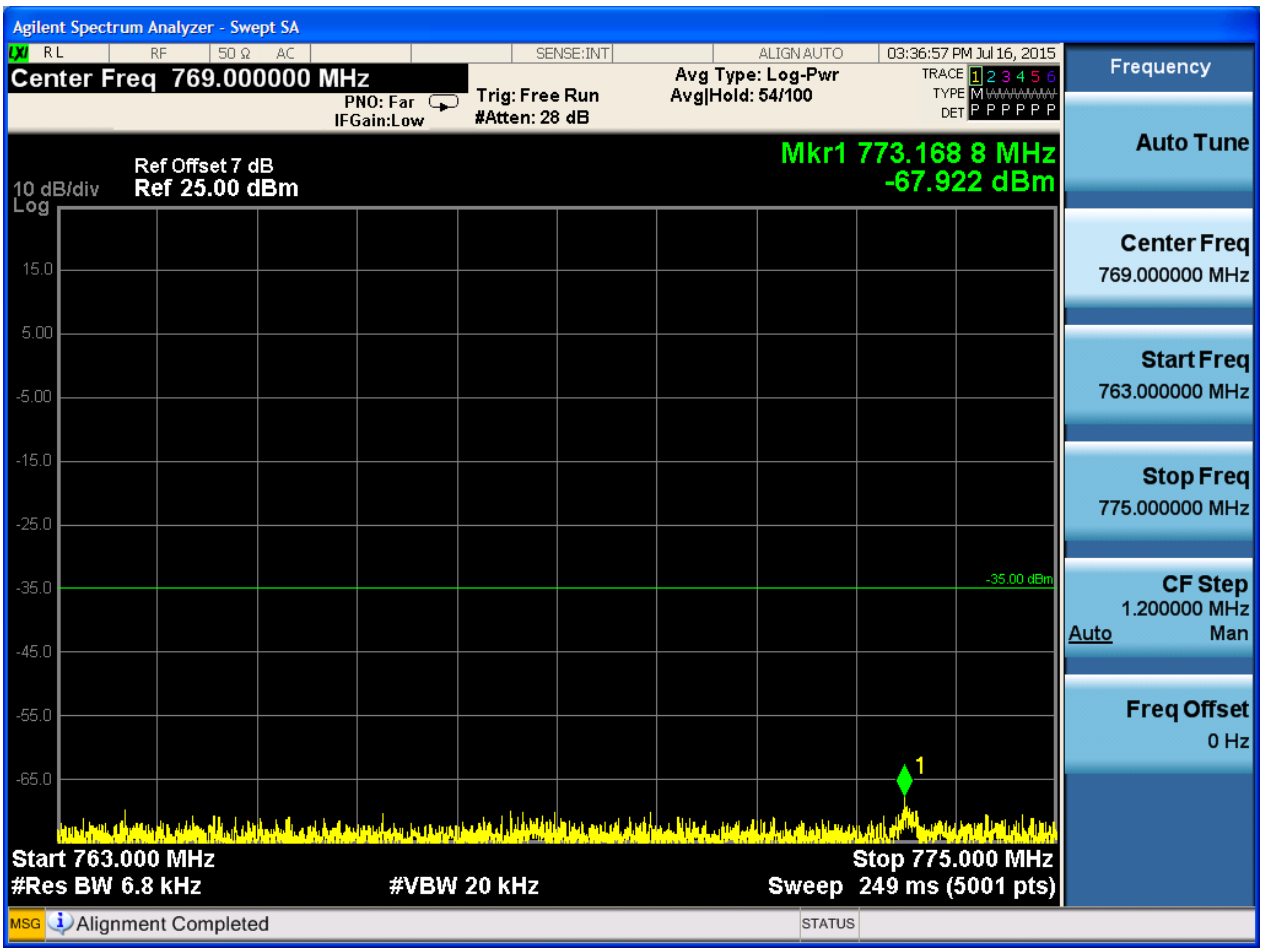

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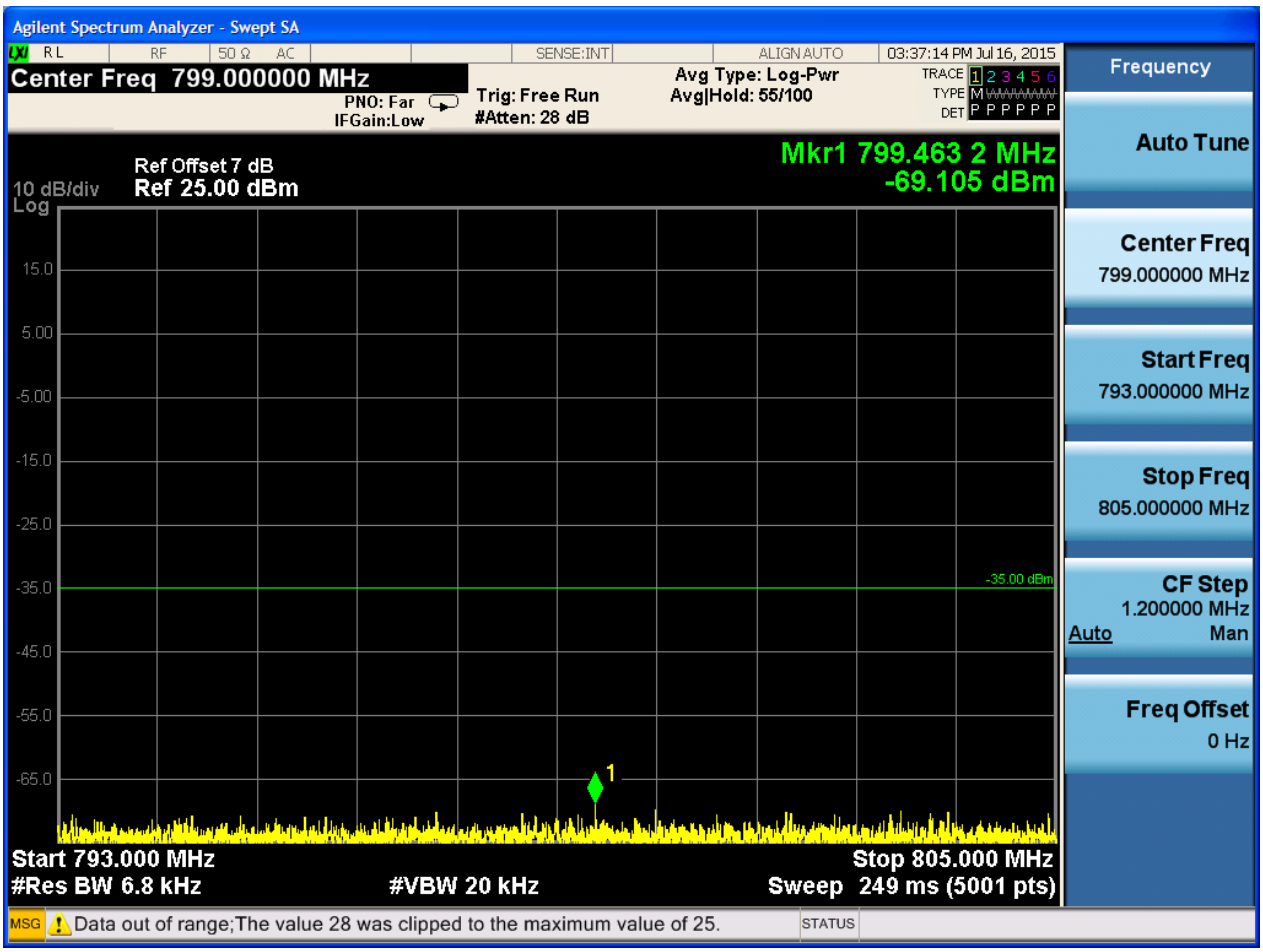

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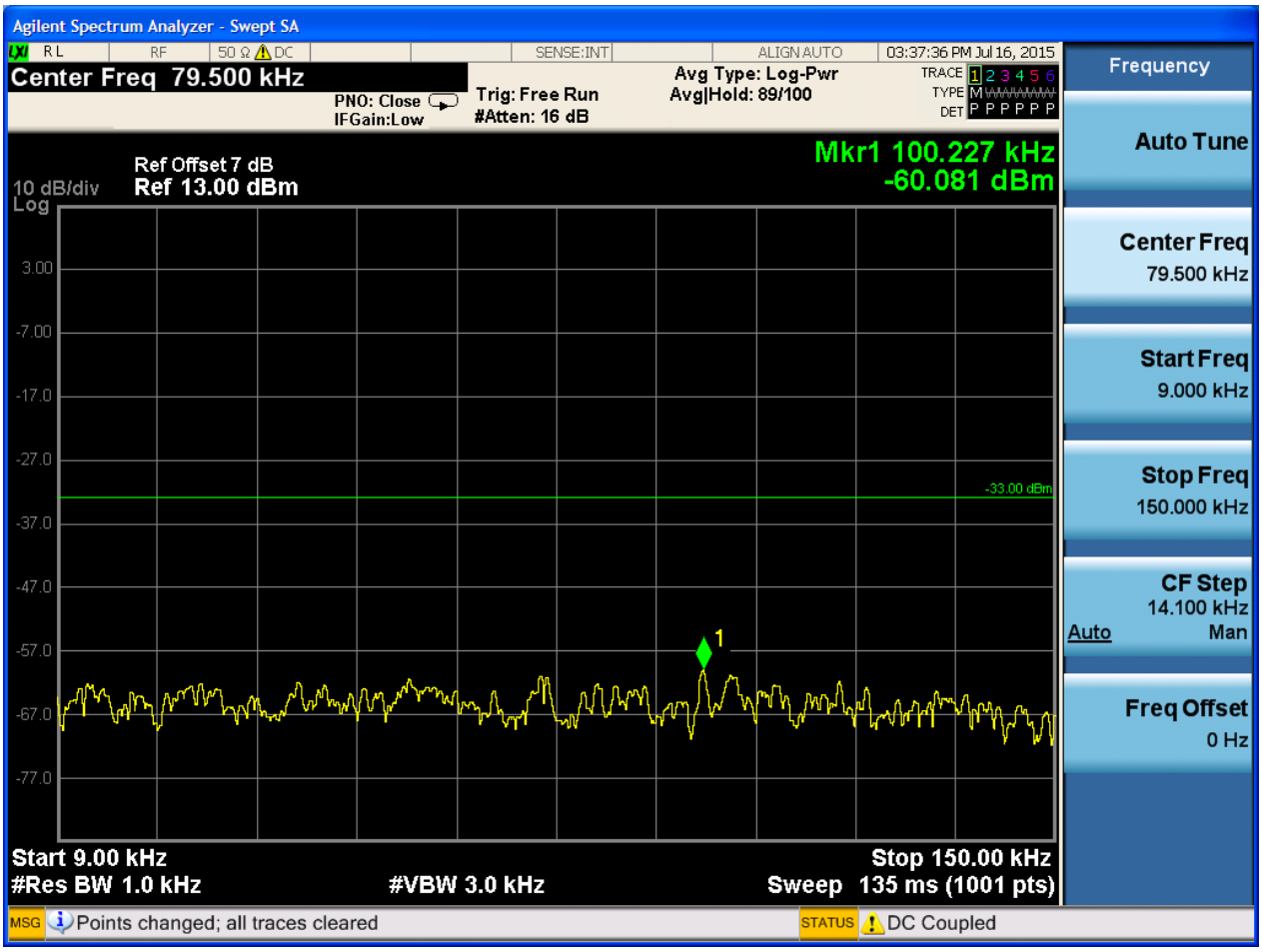
6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0



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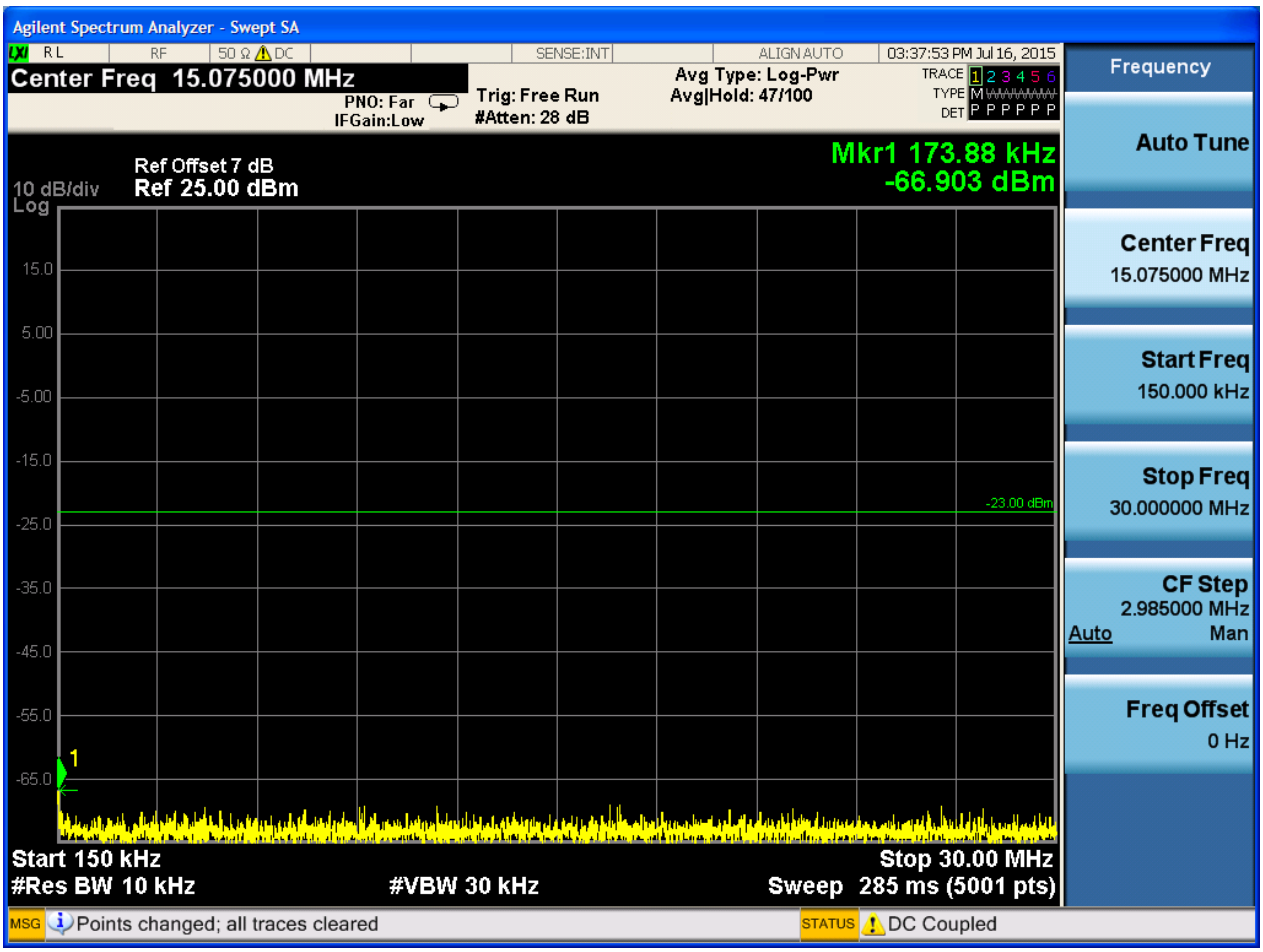

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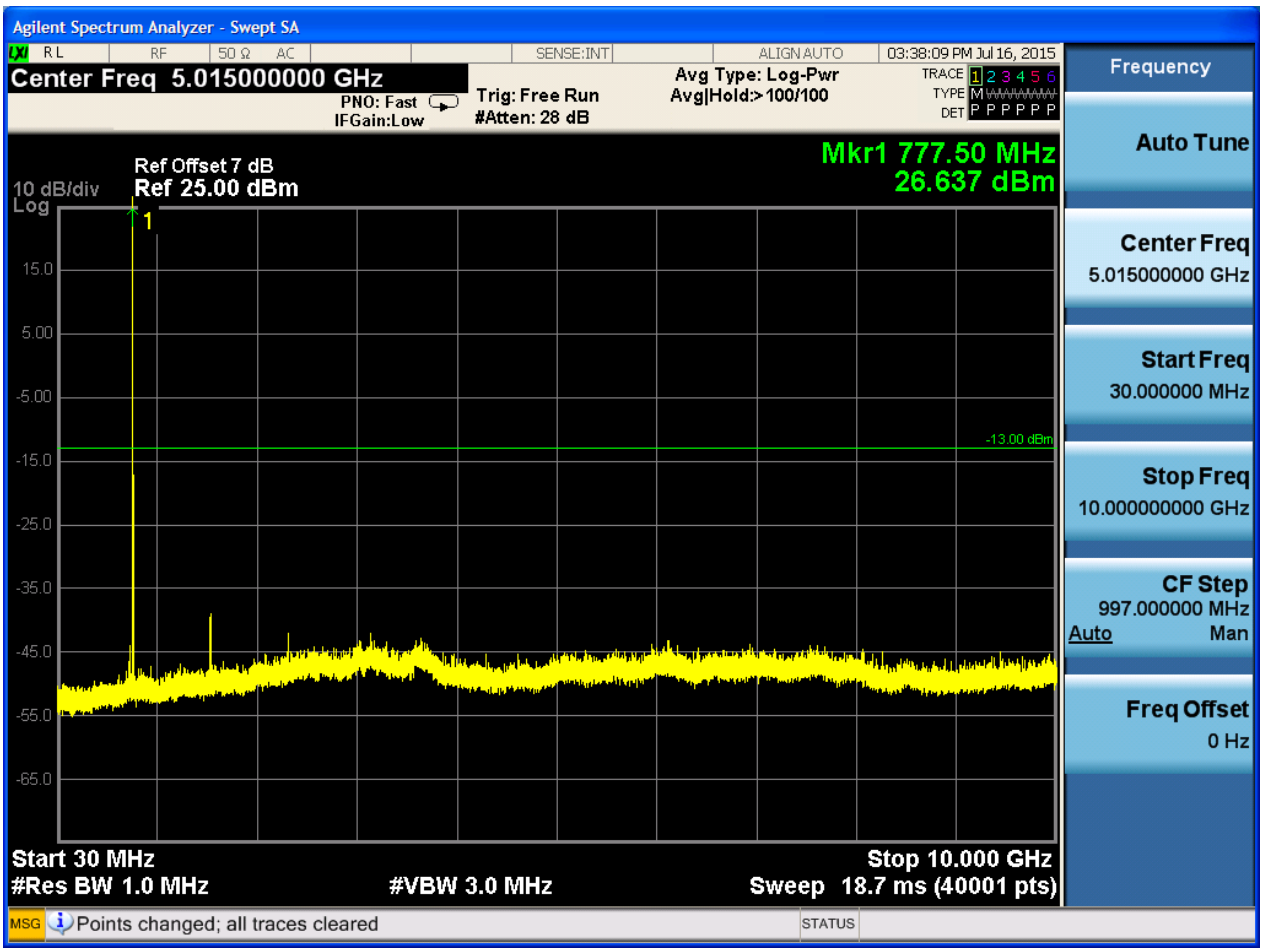

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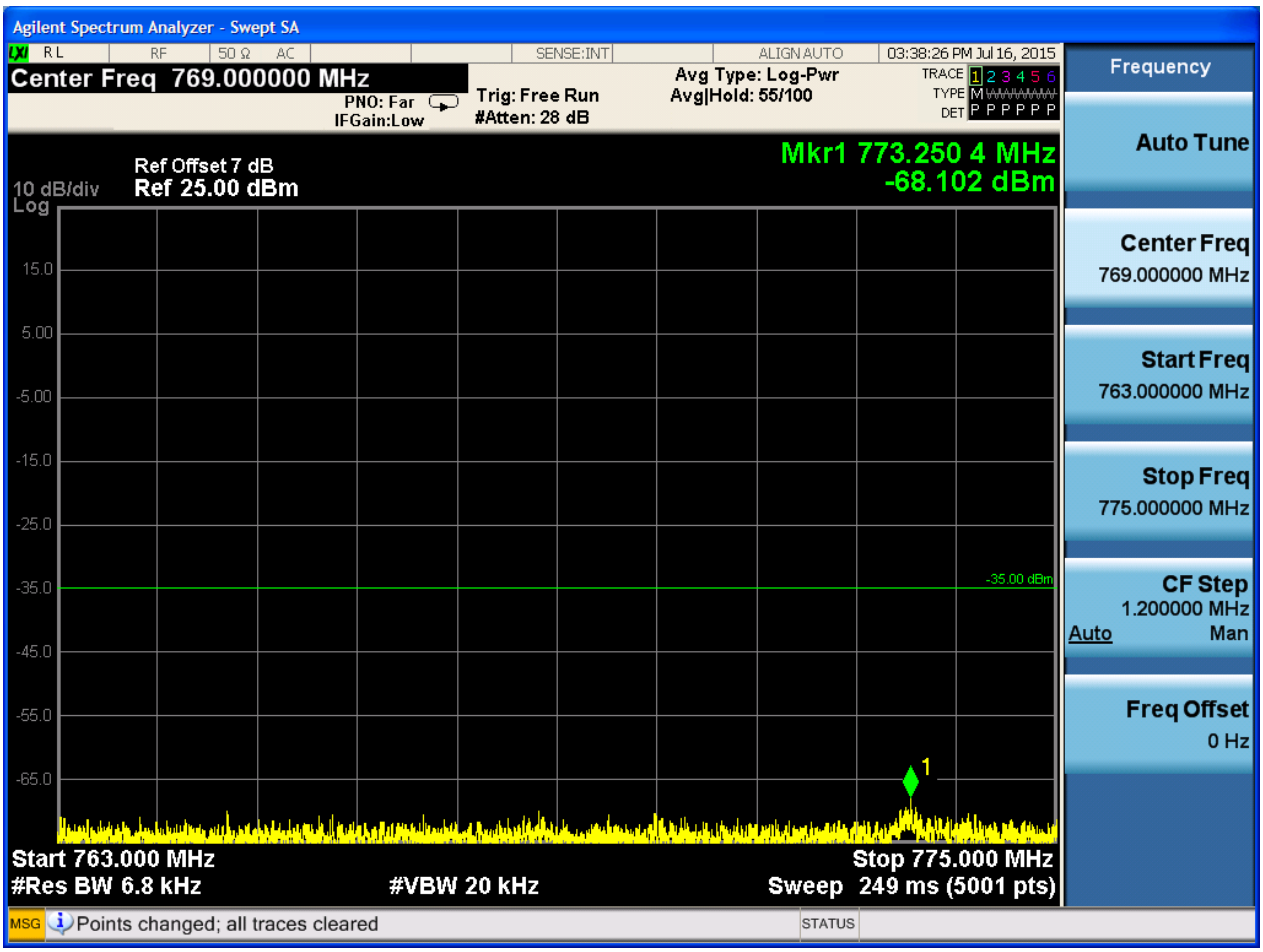

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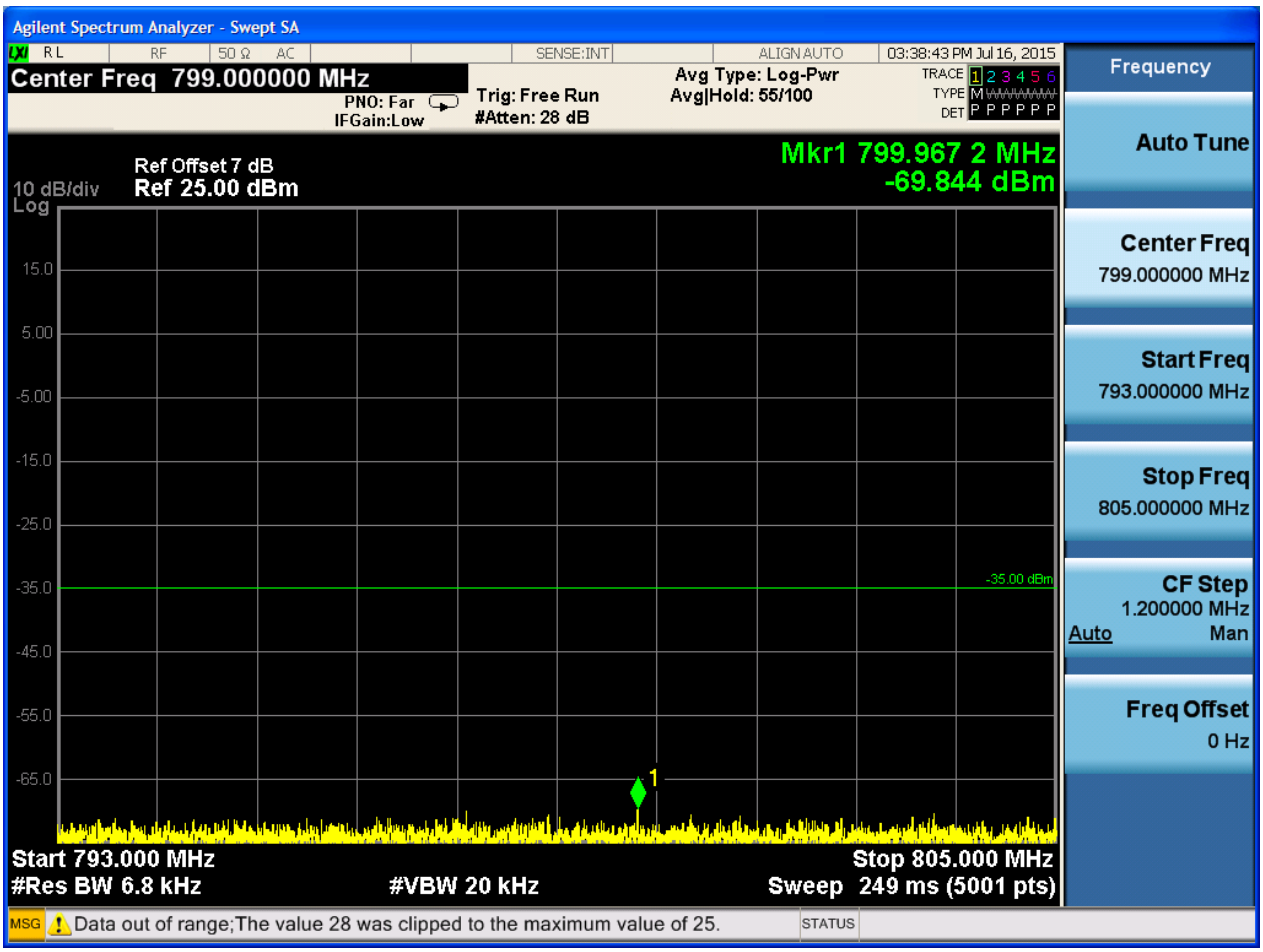

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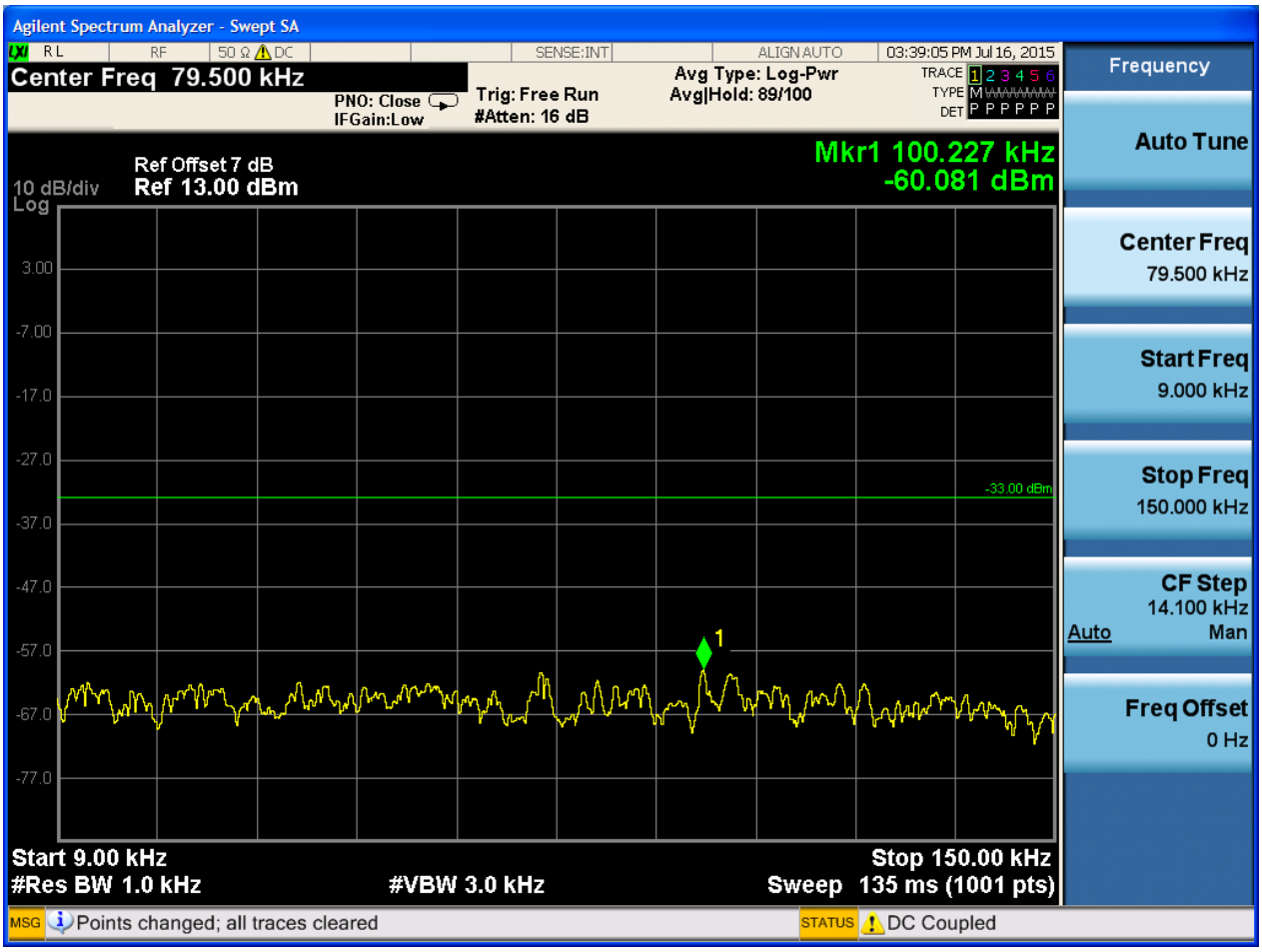
6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



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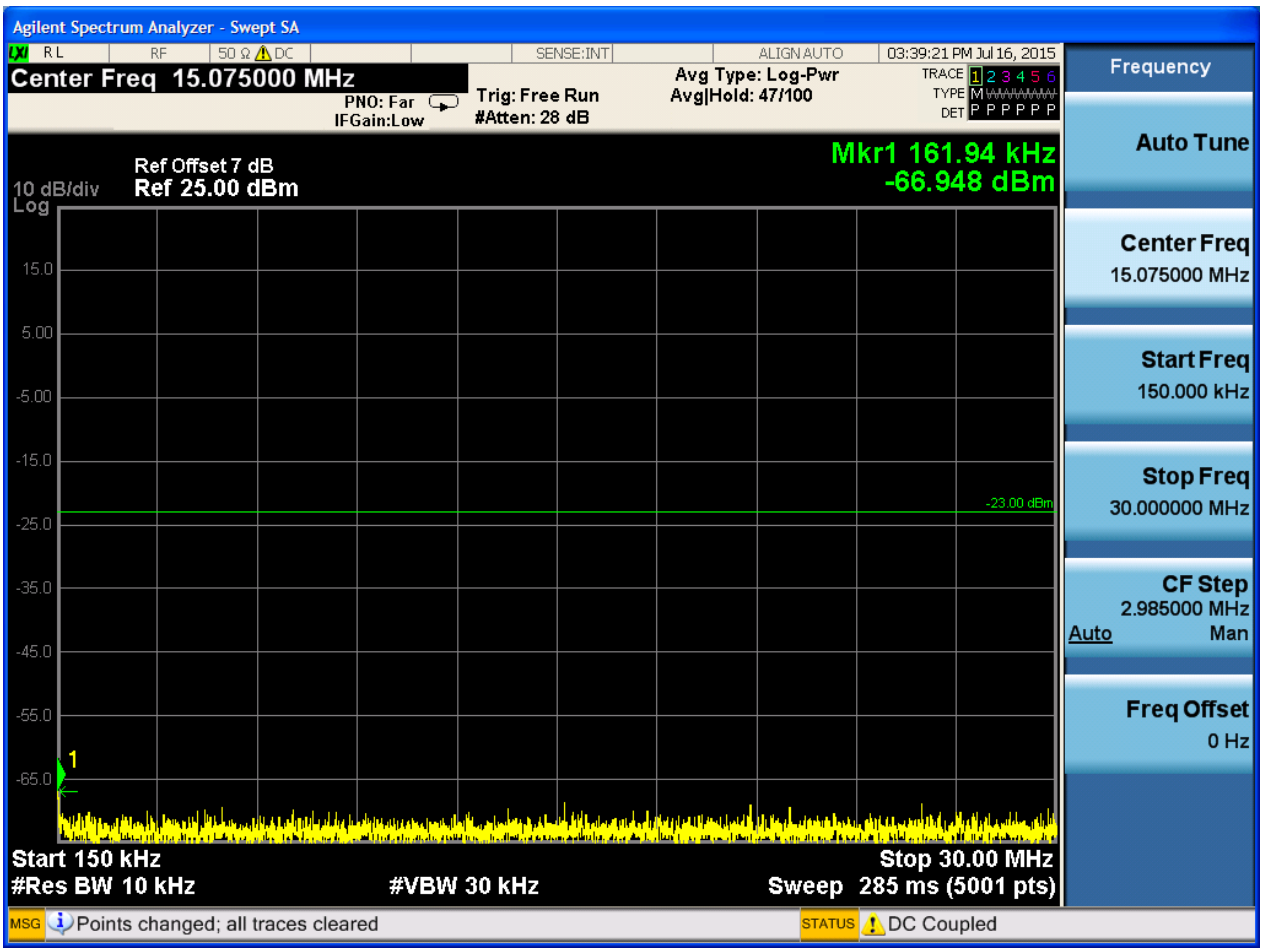

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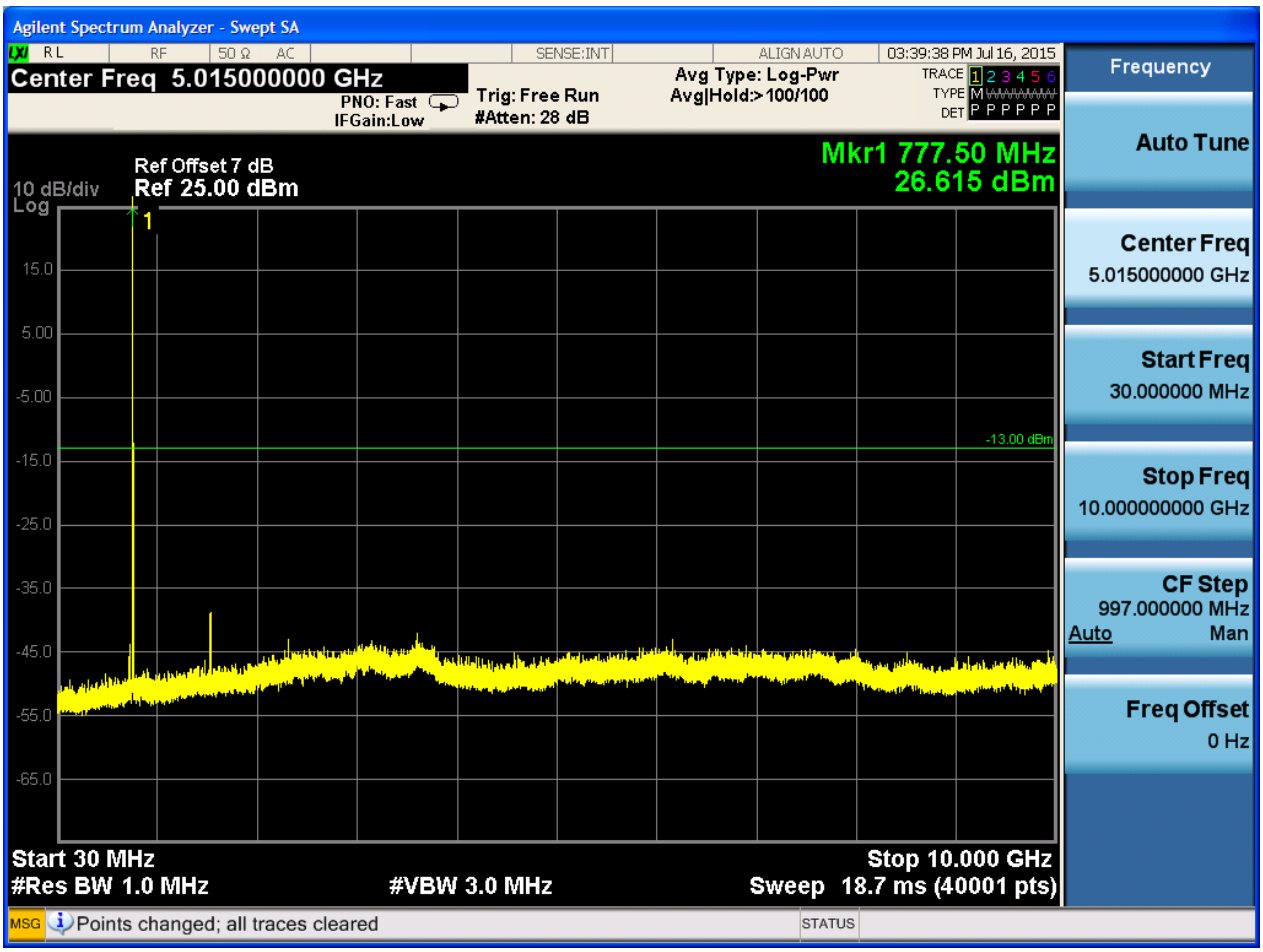

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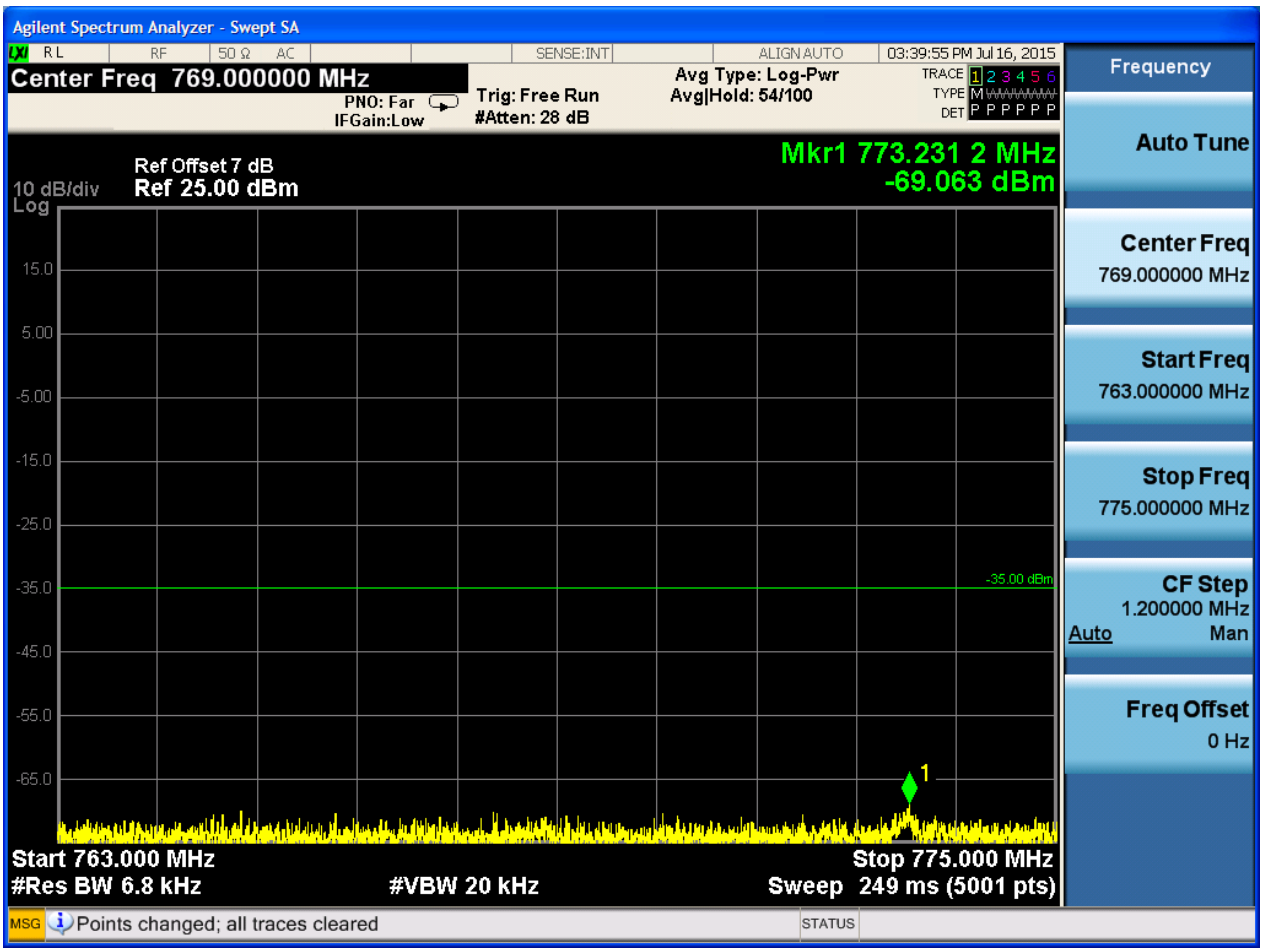

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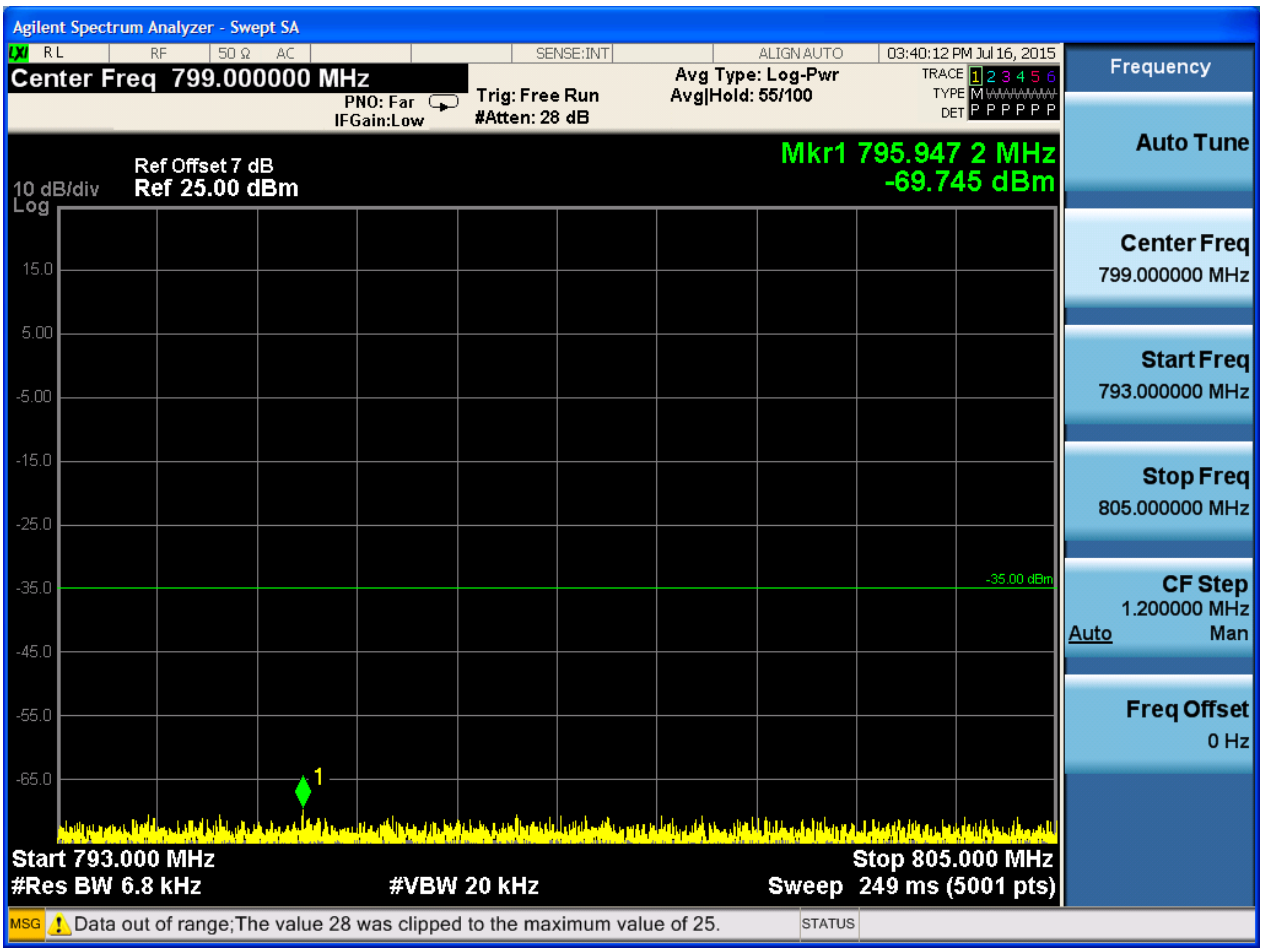

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7Appendix_G: Field Strength of Spurious Radiation

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

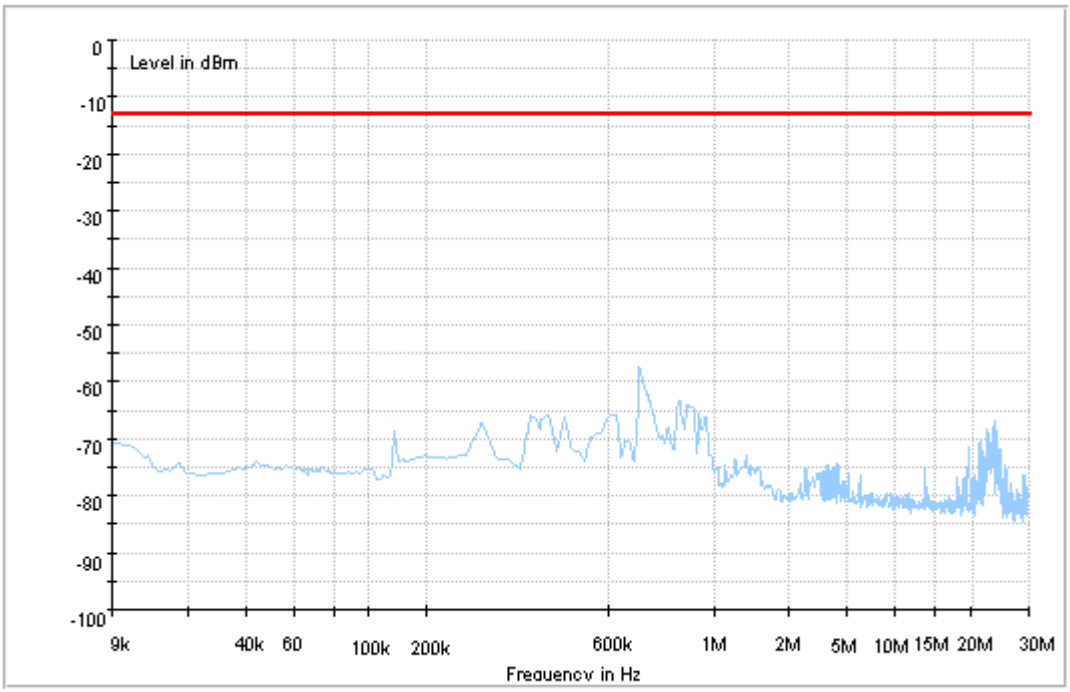
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND12

7.1.1.1 Test Bandwidth = 1.4



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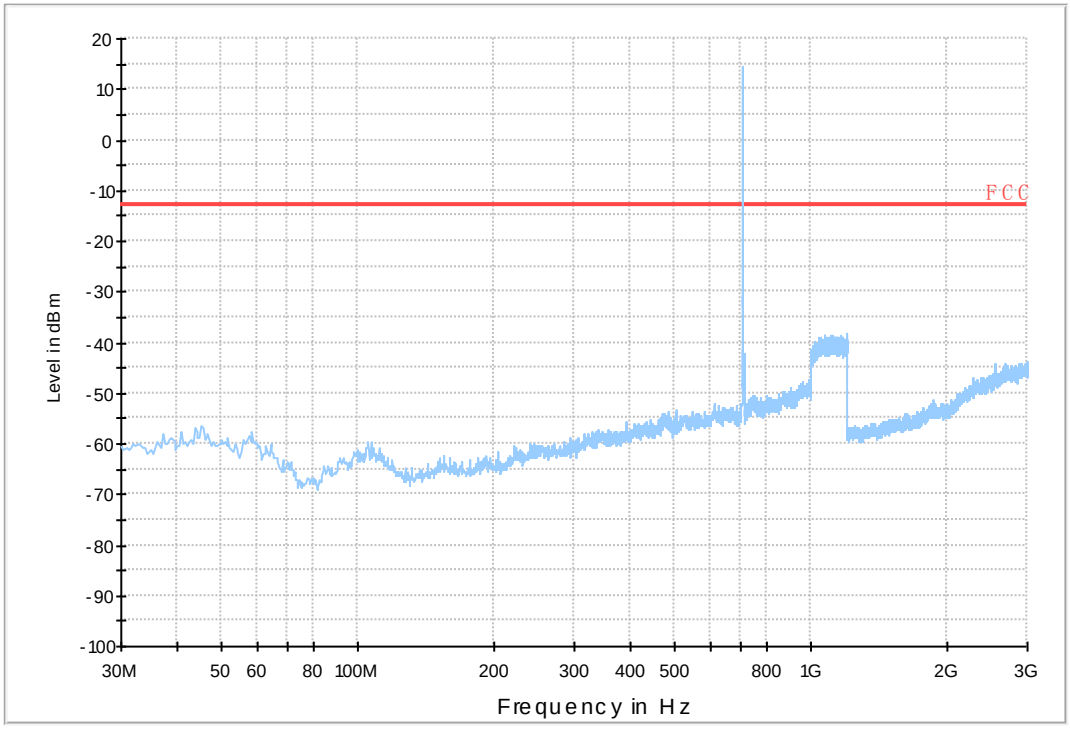
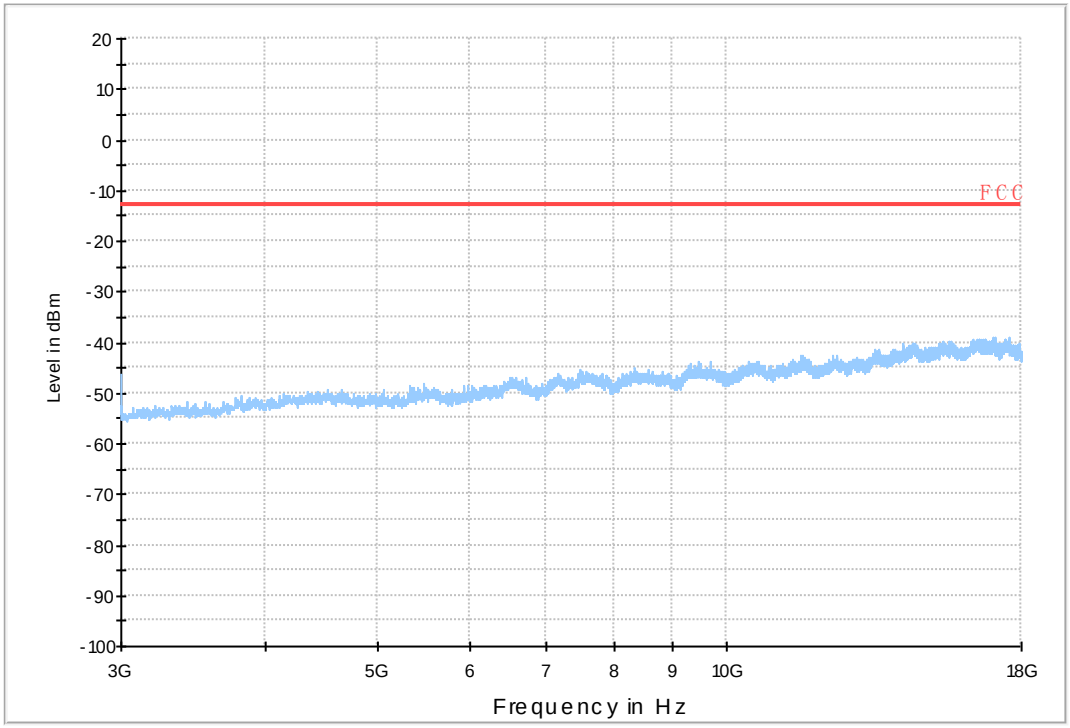


Copy of RSE-TX-DIRECTOR BELOW 1G_H



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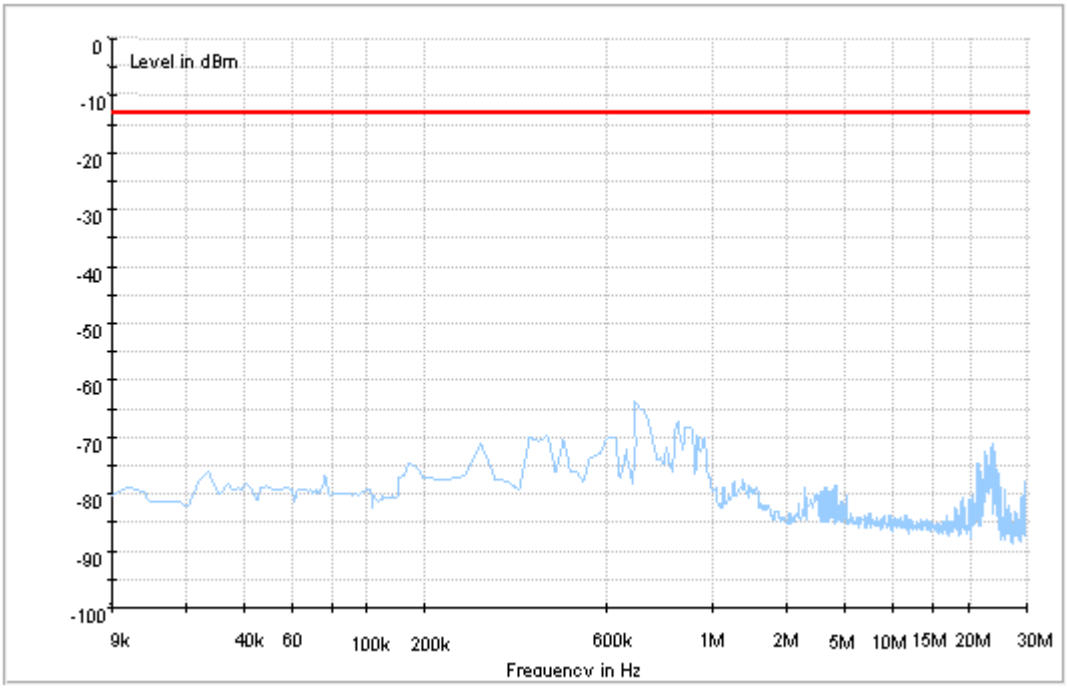
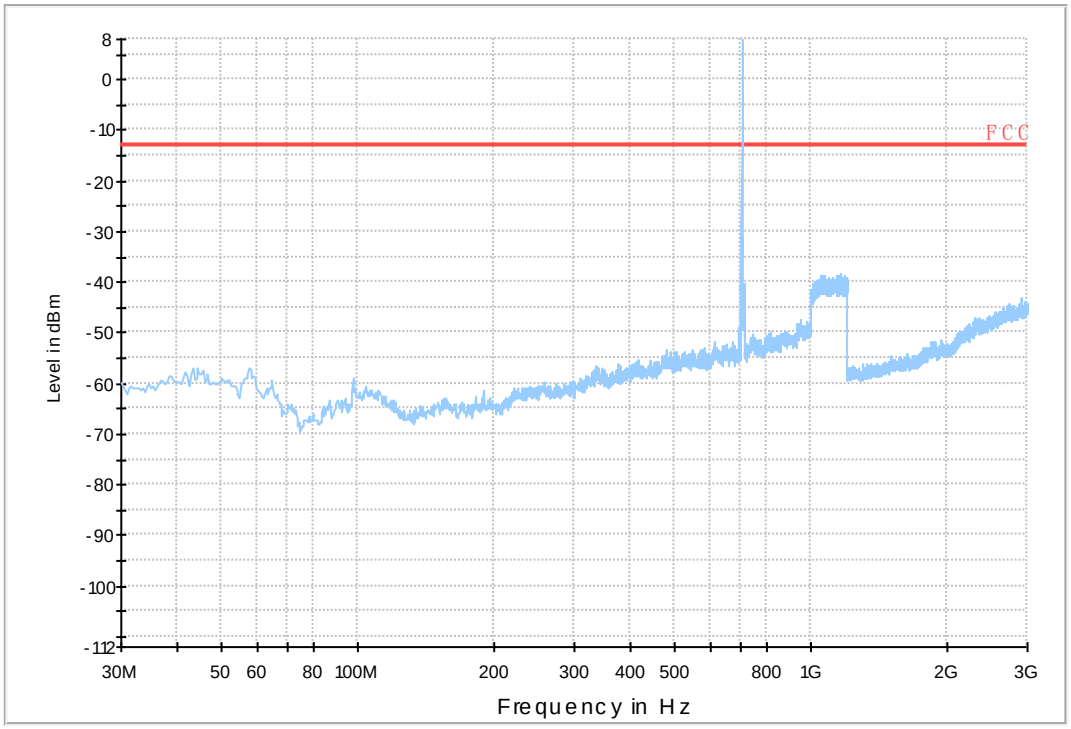
7.1.1.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



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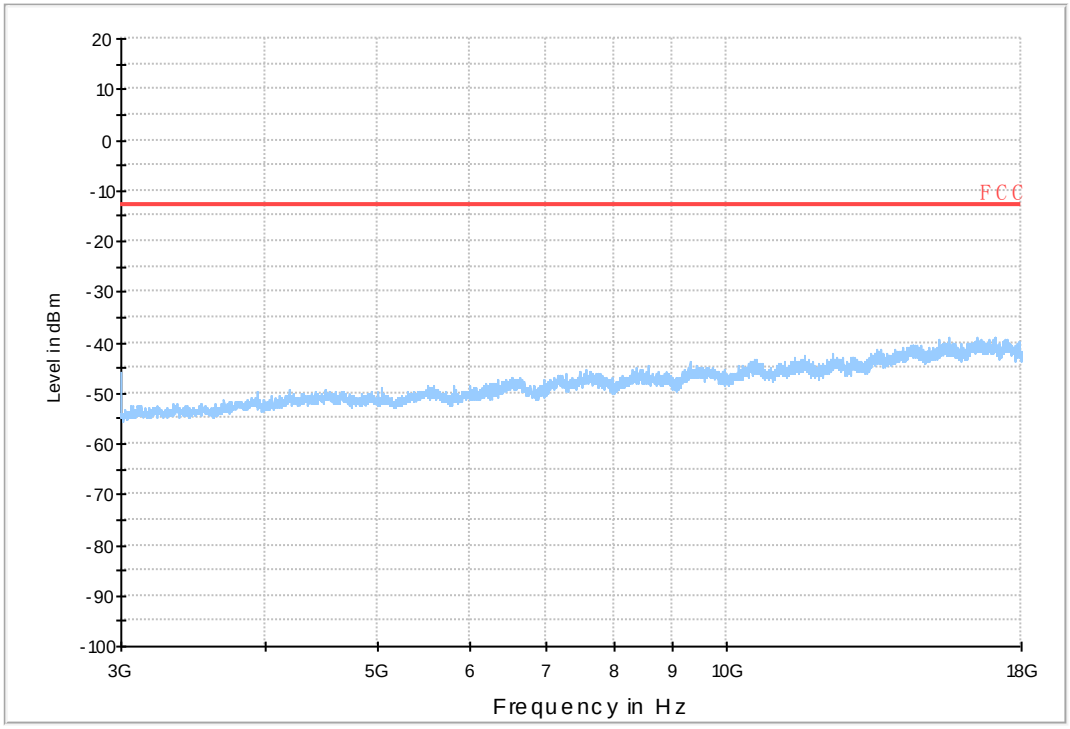

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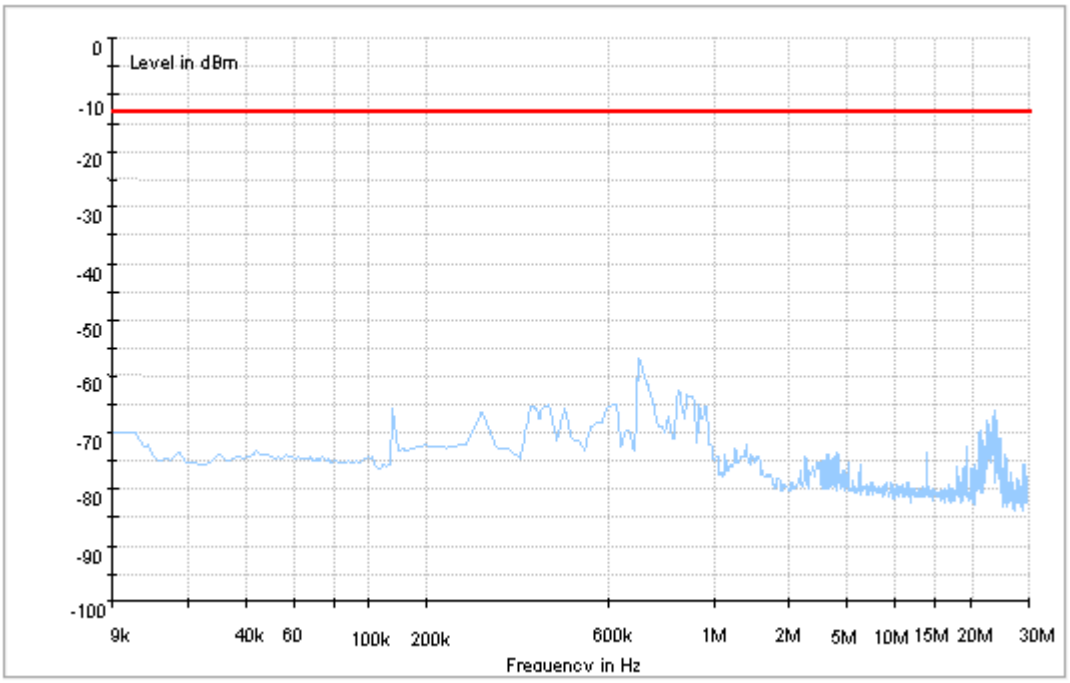
7.2 For LTE

7.2.1 Test Band = BAND13

7.2.1.1 Test Bandwidth = 5



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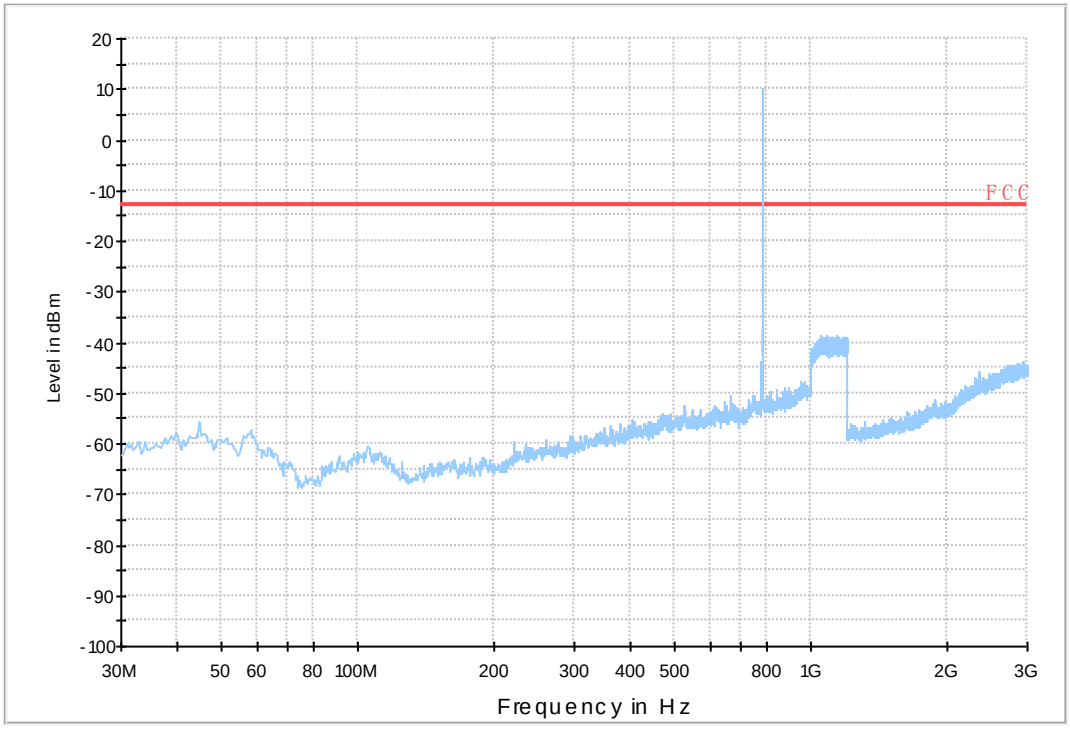
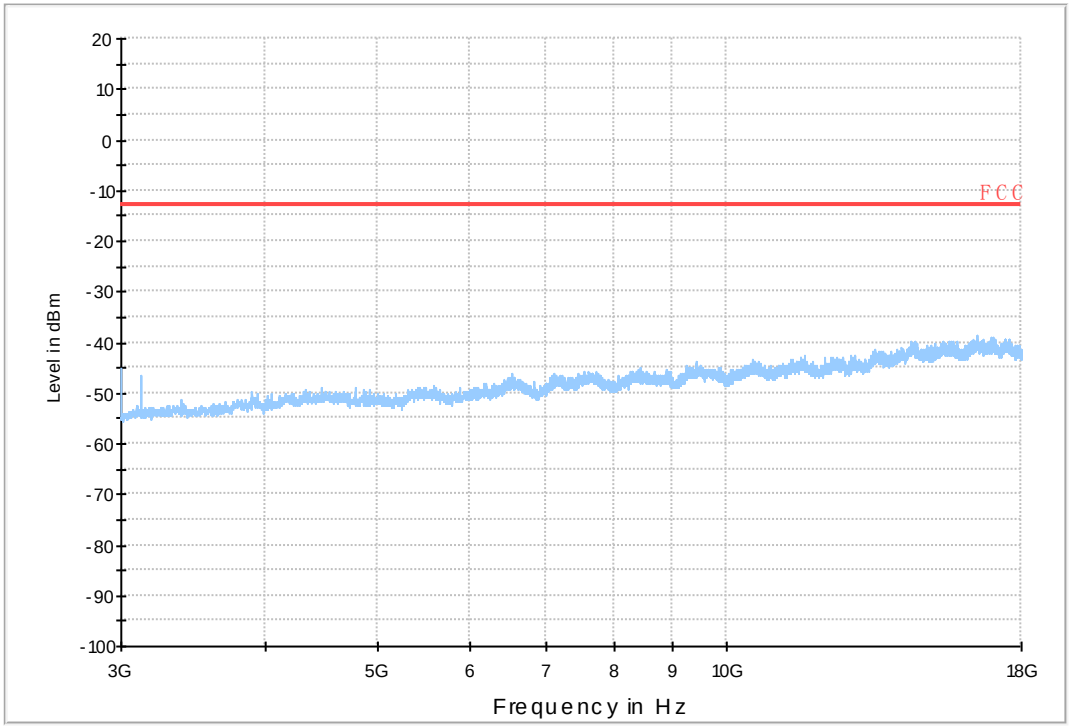


Copy of RSE-TX-DIRECTOR BELOW 1G_H



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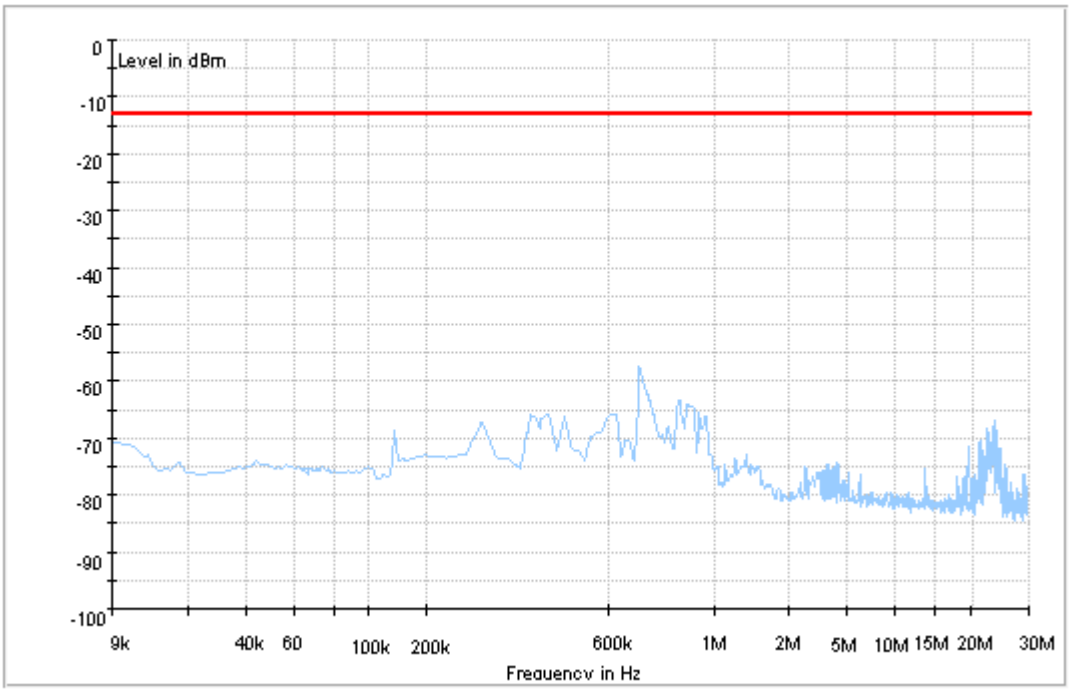
7.2.1.2 Test Bandwidth = 10



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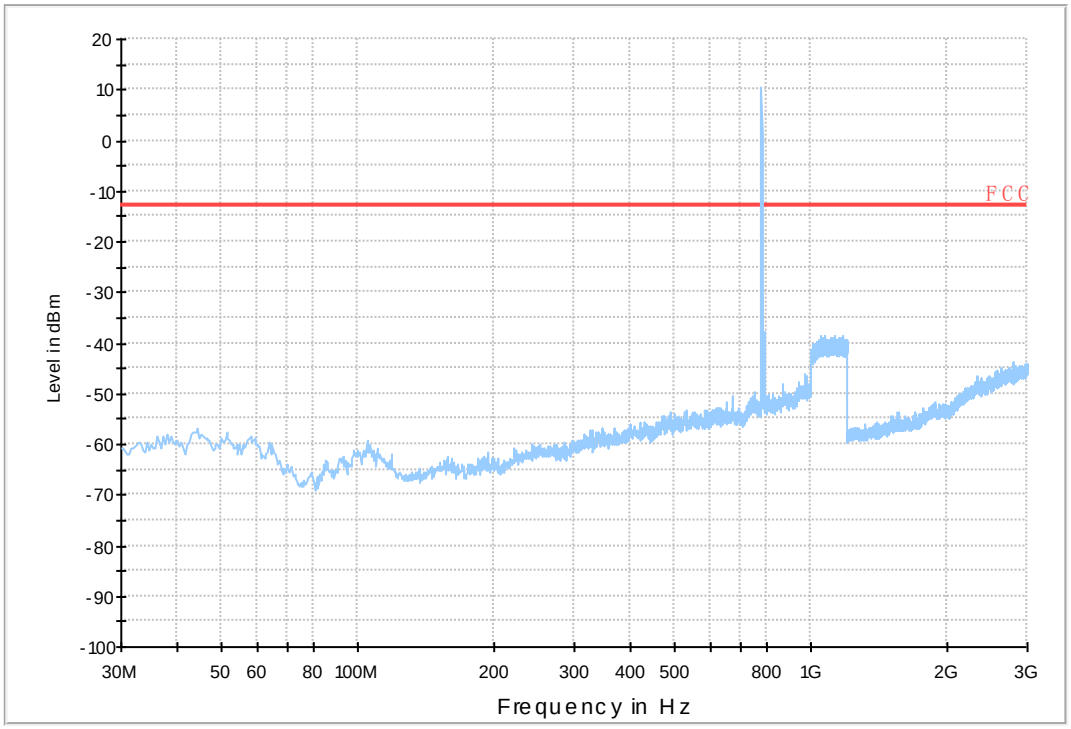

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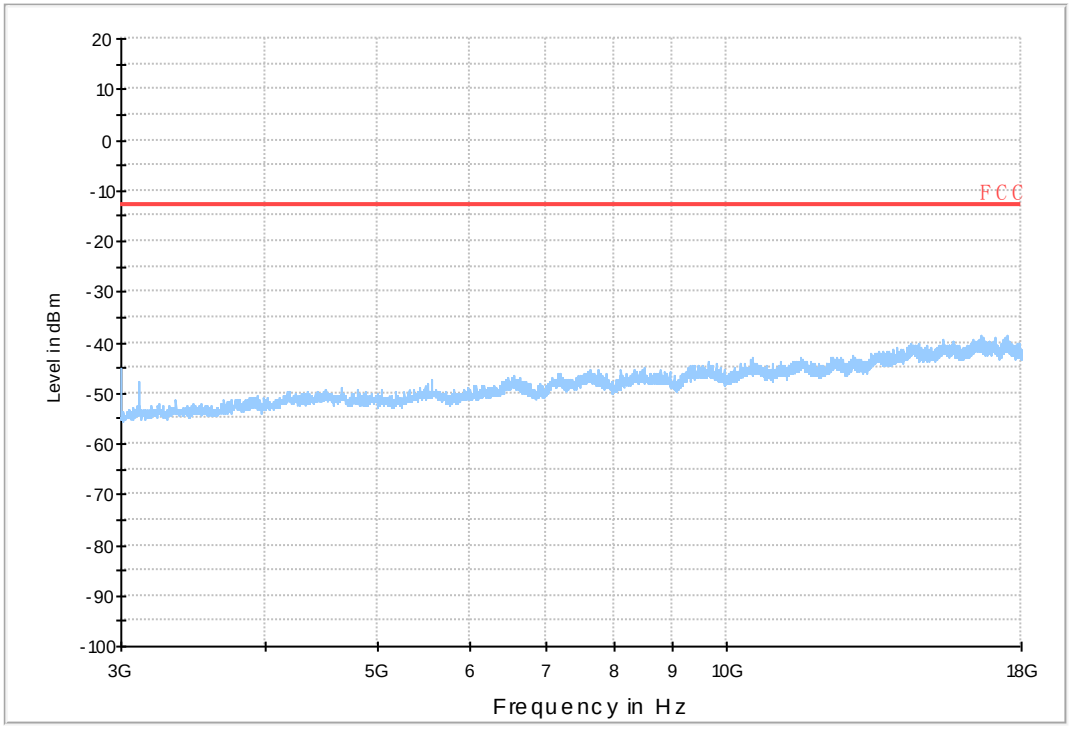

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8Appendix_H: Frequency Stability

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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
BAND12	LTE/TM1	1.4	LCH	TN	VL	-3.43	-0.0049	PASS
					VN	-2.76	-0.00394	PASS
					VH	1.34	0.00192	PASS
			MCH	TN	VL	-1.82	-0.00257	PASS
					VN	1.12	0.00158	PASS
					VH	-2.07	-0.00293	PASS
			HCH	TN	VL	2.62	0.00366	PASS
					VN	2.29	0.0032	PASS
					VH	-1.37	-0.00192	PASS
		3	LCH	TN	VL	-4.42	-0.00631	PASS
					VN	-1.69	-0.00241	PASS
					VH	-7.11	-0.01015	PASS
			MCH	TN	VL	0.64	0.0009	PASS
					VN	-4.61	-0.00652	PASS
					VH	-1.79	-0.00253	PASS
			HCH	TN	VL	2.6	0.00364	PASS
					VN	0.57	0.0008	PASS
					VH	-2.86	-0.004	PASS
		5	LCH	TN	VL	-2.4	-0.00342	PASS
					VN	-1.96	-0.00279	PASS
					VH	-0.37	-0.00053	PASS
			MCH	TN	VL	-1.27	-0.0018	PASS
					VN	1.89	0.00267	PASS
					VH	-2.15	-0.00304	PASS
			HCH	TN	VL	2.57	0.0036	PASS
					VN	0.74	0.00104	PASS
					VH	-0.11	-0.00015	PASS
		10	LCH	TN	VL	-6.92	-0.00983	PASS
					VN	-8.88	-0.01261	PASS
					VH	-9.68	-0.01375	PASS
			MCH	TN	VL	-8.8	-0.01244	PASS
					VN	-0.82	-0.00116	PASS
					VH	-5.38	-0.0076	PASS
			HCH	TN	VL	-1.22	-0.00172	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	-2.55	-0.00359	PASS
					VH	-4.19	-0.00589	PASS
	LTE/TM2	1.4	LCH	TN	VL	2.03	0.0029	PASS
					VN	1.44	0.00206	PASS
					VH	-2.06	-0.00294	PASS
			MCH	TN	VL	2.19	0.0031	PASS
					VN	-0.17	-0.00024	PASS
					VH	-0.92	-0.0013	PASS
			HCH	TN	VL	-3.15	-0.0044	PASS
					VN	-4.32	-0.00604	PASS
					VH	-2.22	-0.0031	PASS
		3	LCH	TN	VL	-2.55	-0.00364	PASS
					VN	-5.45	-0.00778	PASS
					VH	-4.33	-0.00618	PASS
			MCH	TN	VL	-1.96	-0.00277	PASS
					VN	-2.13	-0.00301	PASS
					VH	-0.51	-0.00072	PASS
			HCH	TN	VL	-0.03	-0.00004	PASS
					VN	-1.69	-0.00237	PASS
					VH	2.8	0.00392	PASS
		5	LCH	TN	VL	1.27	0.00181	PASS
					VN	-0.41	-0.00058	PASS
					VH	1.54	0.0022	PASS
			MCH	TN	VL	-2.06	-0.00291	PASS
					VN	0.72	0.00102	PASS
					VH	-1.67	-0.00236	PASS
			HCH	TN	VL	4.26	0.00597	PASS
					VN	2.66	0.00373	PASS
					VH	0.24	0.00034	PASS
		10	LCH	TN	VL	5.41	0.00768	PASS
					VN	3.12	0.00443	PASS
					VH	2.03	0.00288	PASS
			MCH	TN	VL	-7.12	-0.01006	PASS
					VN	-5.34	-0.00755	PASS
					VH	-4.86	-0.00687	PASS
			HCH	TN	VL	-2.2	-0.00309	PASS
					VN	-0.86	-0.00121	PASS
					VH	-5.22	-0.00734	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
BAND13	LTE/TM1	5	LCH	TN	VL	-7.42	-0.00952	PASS
					VN	-7.04	-0.00903	PASS
					VH	-8.61	-0.01105	PASS
			MCH	TN	VL	-6.65	-0.0085	PASS
					VN	-4.95	-0.00633	PASS
					VH	-1.13	-0.00145	PASS
			HCH	TN	VL	-4.06	-0.00518	PASS
					VN	-3.89	-0.00496	PASS
					VH	-6.14	-0.00783	PASS
		10	LCH	TN	VL	1.57	0.00201	PASS
					VN	15.86	0.02028	PASS
					VH	7.67	0.00981	PASS
			MCH	TN	VL	12.8	0.01637	PASS
					VN	1.6	0.00205	PASS
					VH	12.13	0.01551	PASS
			HCH	TN	VL	10.44	0.01335	PASS
					VN	10.56	0.0135	PASS
					VH	-1.99	-0.00254	PASS
	LTE/TM2	5	LCH	TN	VL	-4.71	-0.00604	PASS
					VN	-5.32	-0.00682	PASS
					VH	-4.15	-0.00532	PASS
			MCH	TN	VL	2.69	0.00344	PASS
					VN	7.47	0.00955	PASS
					VH	-0.83	-0.00106	PASS
			HCH	TN	VL	2.53	0.00322	PASS
					VN	1.83	0.00233	PASS
					VH	-2.22	-0.00283	PASS
		10	LCH	TN	VL	3.4	0.00435	PASS
					VN	-0.74	-0.00095	PASS
					VH	-19.11	-0.02444	PASS
			MCH	TN	VL	-1.92	-0.00246	PASS
					VN	5.18	0.00662	PASS
					VH	-20.81	-0.02661	PASS
			HCH	TN	VL	-14	-0.0179	PASS
					VN	3.36	0.0043	PASS
					VH	1.32	0.00169	PASS

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8.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	LTE/TM1	1.4	LCH	TN	VL	-29.95	-0.0428	PASS
					VN	-11.63	-0.01662	PASS
					VH	35.19	0.05029	PASS
			MCH	TN	VL	-44.99	-0.06359	PASS
					VN	11.64	0.01645	PASS
					VH	152.89	0.2161	PASS
			HCH	TN	VL	0.27	0.00038	PASS
					VN	15.89	0.02221	PASS
					VH	-15.16	-0.02119	PASS
		3	LCH	TN	VL	-1.22	-0.00174	PASS
					VN	4.89	0.00698	PASS
					VH	1.67	0.00238	PASS
			MCH	TN	VL	1.27	0.0018	PASS
					VN	-4.92	-0.00695	PASS
					VH	-3.46	-0.00489	PASS
			HCH	TN	VL	-1.4	-0.00196	PASS
					VN	0.3	0.00042	PASS
					VH	1.37	0.00192	PASS
		5	LCH	TN	VL	-2.23	-0.00318	PASS
					VN	1.7	0.00242	PASS
					VH	0.53	0.00076	PASS
			MCH	TN	VL	3.95	0.00558	PASS
					VN	1.27	0.0018	PASS
					VH	-0.21	-0.0003	PASS
			HCH	TN	VL	1.43	0.002	PASS
					VN	-1.7	-0.00238	PASS
					VH	-2.52	-0.00353	PASS
		10	LCH	TN	VL	0.49	0.0007	PASS
					VN	3.46	0.00491	PASS
					VH	1.07	0.00152	PASS
			MCH	TN	VL	3.38	0.00478	PASS
					VN	-3.93	-0.00555	PASS
					VH	-1.44	-0.00204	PASS
			HCH	TN	VL	-3.23	-0.00454	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	-1.23	-0.00173	PASS
					VH	0.79	0.00111	PASS
	LTE/TM2	1.4	LCH	TN	VL	-42.84	-0.06123	PASS
					VN	-9.83	-0.01405	PASS
					VH	-103.31	-0.14765	PASS
			MCH	TN	VL	-107.03	-0.15128	PASS
					VN	-8.45	-0.01194	PASS
					VH	-2.03	-0.00287	PASS
			HCH	TN	VL	33.57	0.04693	PASS
					VN	-72.13	-0.10084	PASS
					VH	-86.45	-0.12086	PASS
		3	LCH	TN	VL	-0.86	-0.00123	PASS
					VN	-1.02	-0.00146	PASS
					VH	-0.6	-0.00086	PASS
			MCH	TN	VL	2.53	0.00358	PASS
					VN	0.37	0.00052	PASS
					VH	213.58	0.30188	PASS
			HCH	TN	VL	-0.83	-0.00116	PASS
					VN	3.28	0.00459	PASS
					VH	-5.65	-0.00791	PASS
		5	LCH	TN	VL	1.7	0.00242	PASS
					VN	-2.65	-0.00378	PASS
					VH	1.37	0.00195	PASS
			MCH	TN	VL	-1.89	-0.00267	PASS
					VN	3.55	0.00502	PASS
					VH	0.96	0.00136	PASS
			HCH	TN	VL	0.92	0.00129	PASS
					VN	-4.36	-0.00611	PASS
					VH	-0.09	-0.00013	PASS
		10	LCH	TN	VL	-2.69	-0.00382	PASS
					VN	2.52	0.00358	PASS
					VH	-0.76	-0.00108	PASS
			MCH	TN	VL	1.03	0.00146	PASS
					VN	1.54	0.00218	PASS
					VH	-0.93	-0.00131	PASS
			HCH	TN	VL	0.31	0.00044	PASS
					VN	3.39	0.00477	PASS
					VH	-3.23	-0.00454	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
BAND13	LTE/TM1	5	LCH	VN	-30	-0.1	-0.00013	PASS
					-20	-2.06	-0.00264	PASS
					-10	-2.83	-0.00363	PASS
					0	-2.19	-0.00281	PASS
					10	-0.79	-0.00101	PASS
					20	-1.23	-0.00158	PASS
					30	-1.97	-0.00253	PASS
					40	-0.49	-0.00063	PASS
					50	-0.89	-0.00114	PASS
			MCH	VN	-30	-0.27	-0.00035	PASS
					-20	-0.69	-0.00088	PASS
					-10	-1.23	-0.00157	PASS
					0	-0.93	-0.00119	PASS
					10	0.46	0.00059	PASS
					20	0.09	0.00012	PASS
					30	-0.99	-0.00127	PASS
					40	-0.96	-0.00123	PASS
					50	-0.51	-0.00065	PASS
			HCH	VN	-30	-1.54	-0.00196	PASS
					-20	-1.44	-0.00184	PASS
					-10	-1.03	-0.00131	PASS
					0	0.04	0.00005	PASS
					10	-2.8	-0.00357	PASS
					20	-2.72	-0.00347	PASS
					30	-2.29	-0.00292	PASS
					40	-1.43	-0.00182	PASS
					50	-0.43	-0.00055	PASS
		10	LCH	VN	-30	-0.27	-0.00035	PASS
					-20	-0.23	-0.00029	PASS
					-10	-0.59	-0.00075	PASS
					0	-1.33	-0.0017	PASS
					10	-0.59	-0.00075	PASS
					20	-0.13	-0.00017	PASS
					30	1.89	0.00242	PASS
					40	0.57	0.00073	PASS
					50	1.1	0.00141	PASS
			MCH	VN	-30	-0.76	-0.00097	PASS
					-20	0.01	0.00001	PASS

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					-10	1.5	0.00192	PASS
					0	0.44	0.00056	PASS
					10	-0.63	-0.00081	PASS
					20	-0.53	-0.00068	PASS
					30	1.44	0.00184	PASS
					40	0.1	0.00013	PASS
					50	-0.16	-0.0002	PASS
			HCH	VN	-30	-0.37	-0.00047	PASS
					-20	0.09	0.00012	PASS
					-10	-1.34	-0.00171	PASS
					0	0.31	0.0004	PASS
					10	-0.26	-0.00033	PASS
					20	-0.47	-0.0006	PASS
					30	-0.14	-0.00018	PASS
					40	0.54	0.00069	PASS
					50	-0.29	-0.00037	PASS
	LTE/TM2	5	LCH	VN	-30	-0.93	-0.00119	PASS
					-20	-1.23	-0.00158	PASS
					-10	-1.86	-0.00239	PASS
					0	-0.73	-0.00094	PASS
					10	-1.73	-0.00222	PASS
					20	-1.32	-0.00169	PASS
					30	-0.9	-0.00115	PASS
					40	-1.99	-0.00255	PASS
					50	-0.76	-0.00097	PASS
			MCH	VN	-30	-1.66	-0.00212	PASS
					-20	-1.43	-0.00183	PASS
					-10	-0.2	-0.00026	PASS
					0	0.34	0.00043	PASS
					10	0.82	0.00105	PASS
					20	-0.03	-0.00004	PASS
					30	1.95	0.00249	PASS
					40	-0.39	-0.0005	PASS
					50	-1.03	-0.00132	PASS
			HCH	VN	-30	-2.72	-0.00347	PASS
					-20	-1.33	-0.0017	PASS
					-10	-3.08	-0.00393	PASS
					0	-4.38	-0.00558	PASS
					10	-2.93	-0.00373	PASS
					20	-0.2	-0.00025	PASS
					30	-0.27	-0.00034	PASS
					40	0.27	0.00034	PASS

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					50	-0.99	-0.00126	PASS
		10	LCH	VN	-30	-1.62	-0.00207	PASS
					-20	1.02	0.0013	PASS
					-10	0.89	0.00114	PASS
					0	1.02	0.0013	PASS
					10	-0.99	-0.00127	PASS
					20	0.5	0.00064	PASS
					30	-0.01	-0.00001	PASS
					40	-2	-0.00256	PASS
					50	-1.46	-0.00187	PASS
			MCH	VN	-30	1.26	0.00161	PASS
					-20	-0.17	-0.00022	PASS
					-10	-0.83	-0.00106	PASS
					0	1.46	0.00187	PASS
					10	-0.1	-0.00013	PASS
					20	1.37	0.00175	PASS
					30	0.41	0.00052	PASS
					40	0.67	0.00086	PASS
					50	1.69	0.00216	PASS
			HCH	VN	-30	-0.44	-0.00056	PASS
					-20	1.56	0.00199	PASS
					-10	0.64	0.00082	PASS
					0	0.34	0.00043	PASS
					10	-0.26	-0.00033	PASS
					20	1	0.00128	PASS
					30	0.39	0.0005	PASS
					40	0.82	0.00105	PASS
					50	0.36	0.00046	PASS

END

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