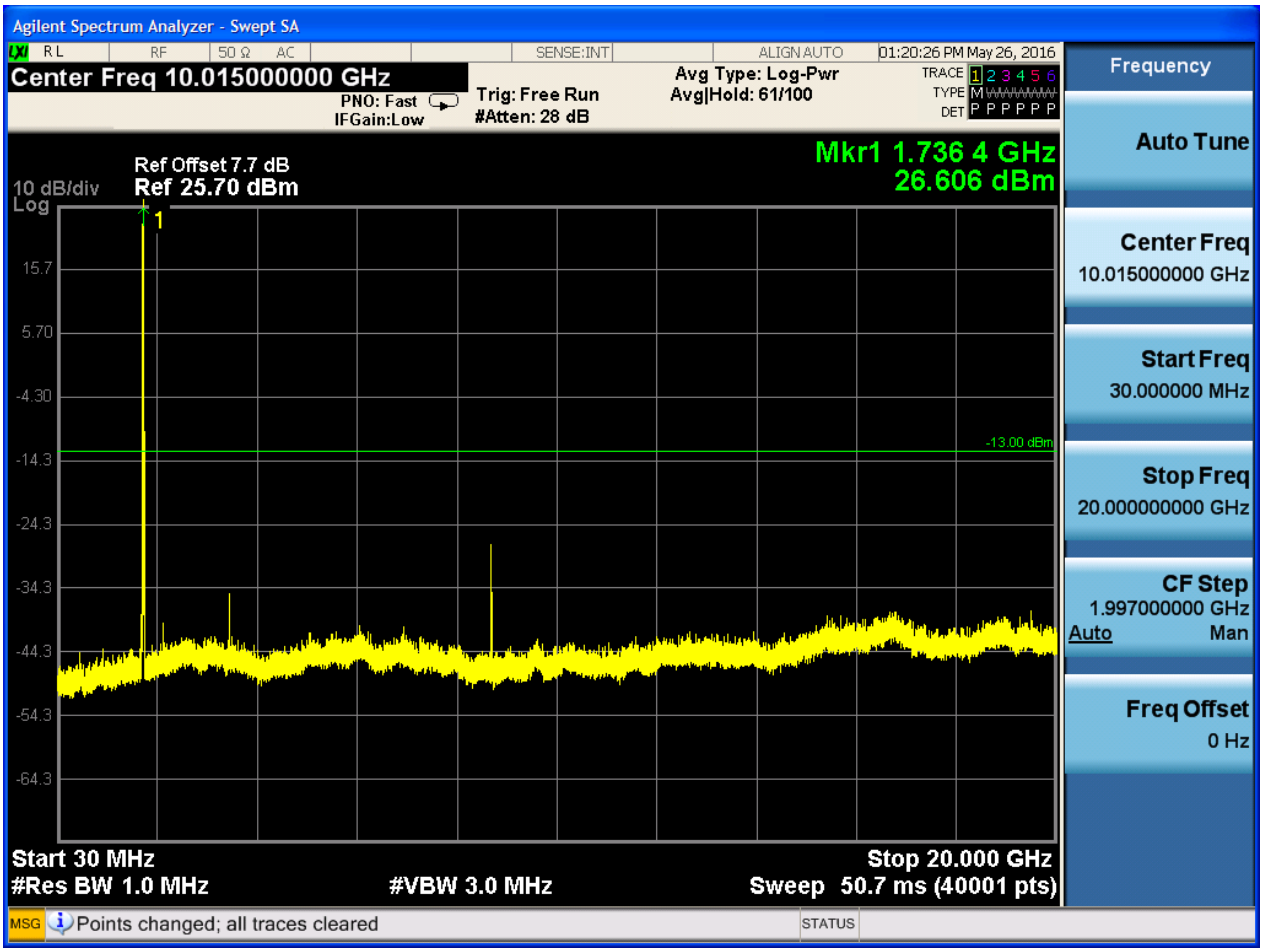
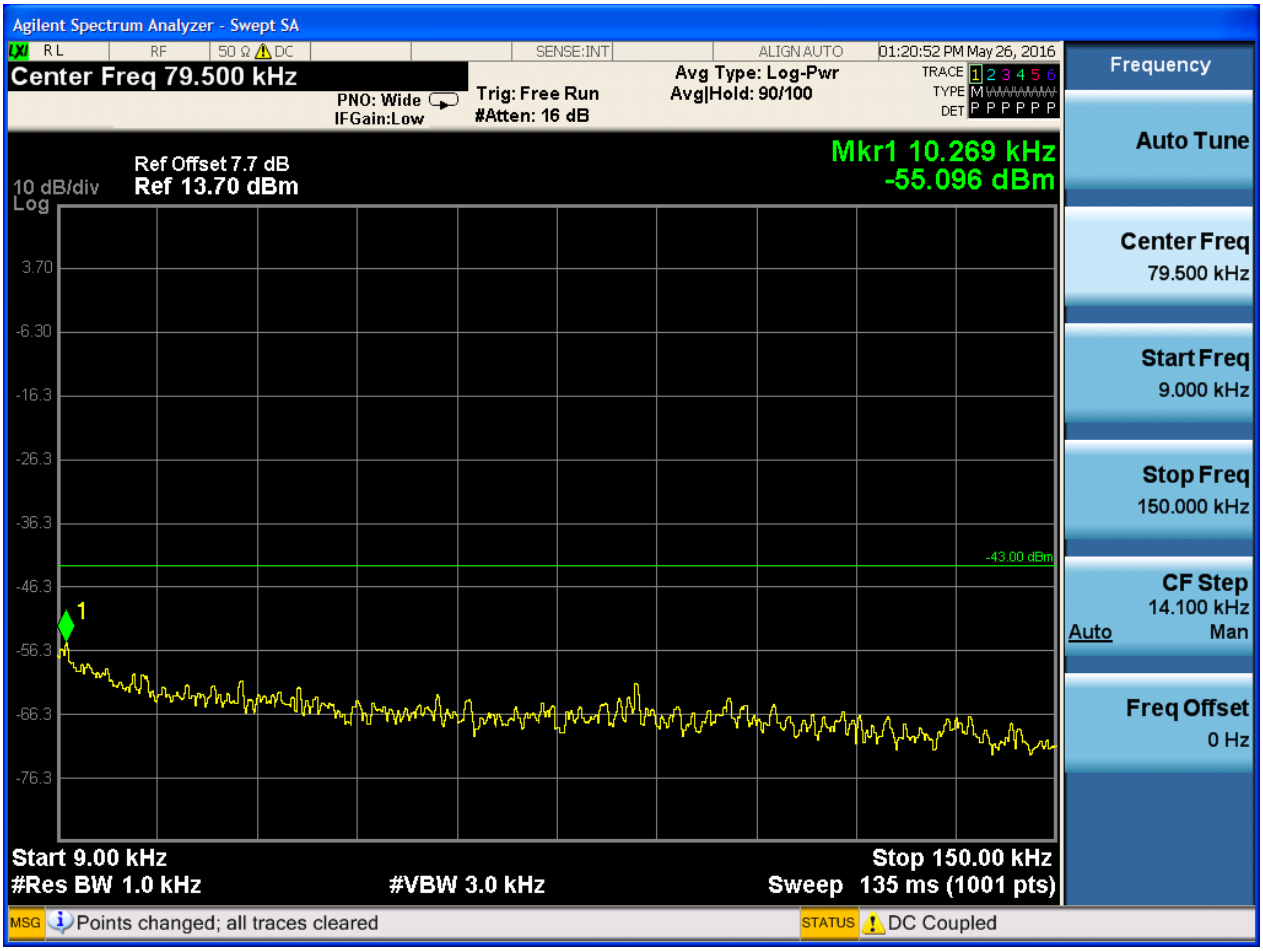

Agilent Spectrum Analyzer - Swept SA
Center Freq 10.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 61/100
01:20:26 PM May 26, 2016
Ref Offset 7.7 dB
10 dB/div
Log
Ref 25.70 dBm
Mkr1 1.736 4 GHz
26.606 dBm
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 20.000 GHz
Sweep 50.7 ms (40001 pts)
Points changed; all traces cleared
Frequency
Auto Tune
Center Freq
10.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
20.000000000 GHz
CF Step
1.997000000 GHz
Auto
Man
Freq Offset
0 Hz

6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



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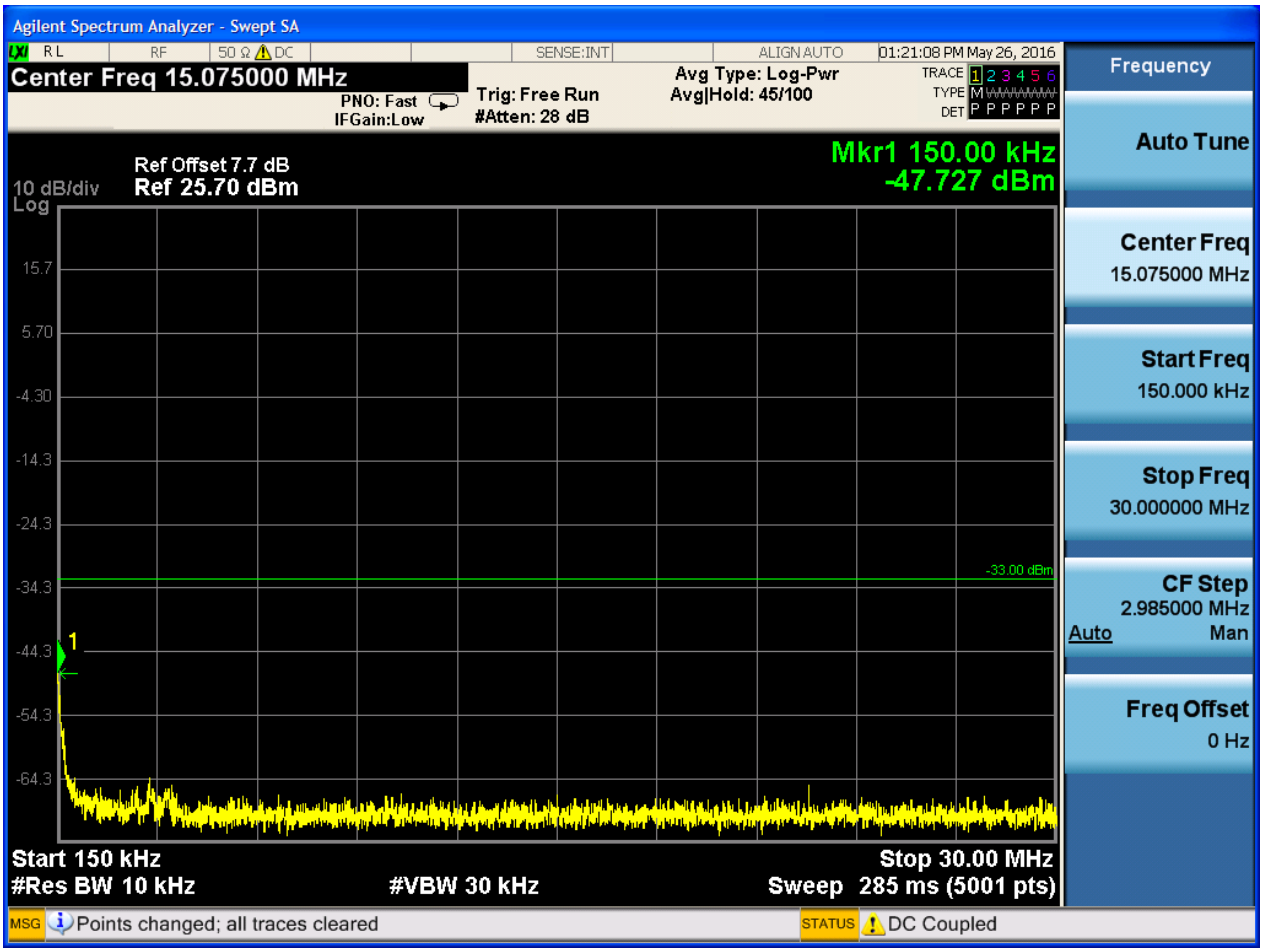

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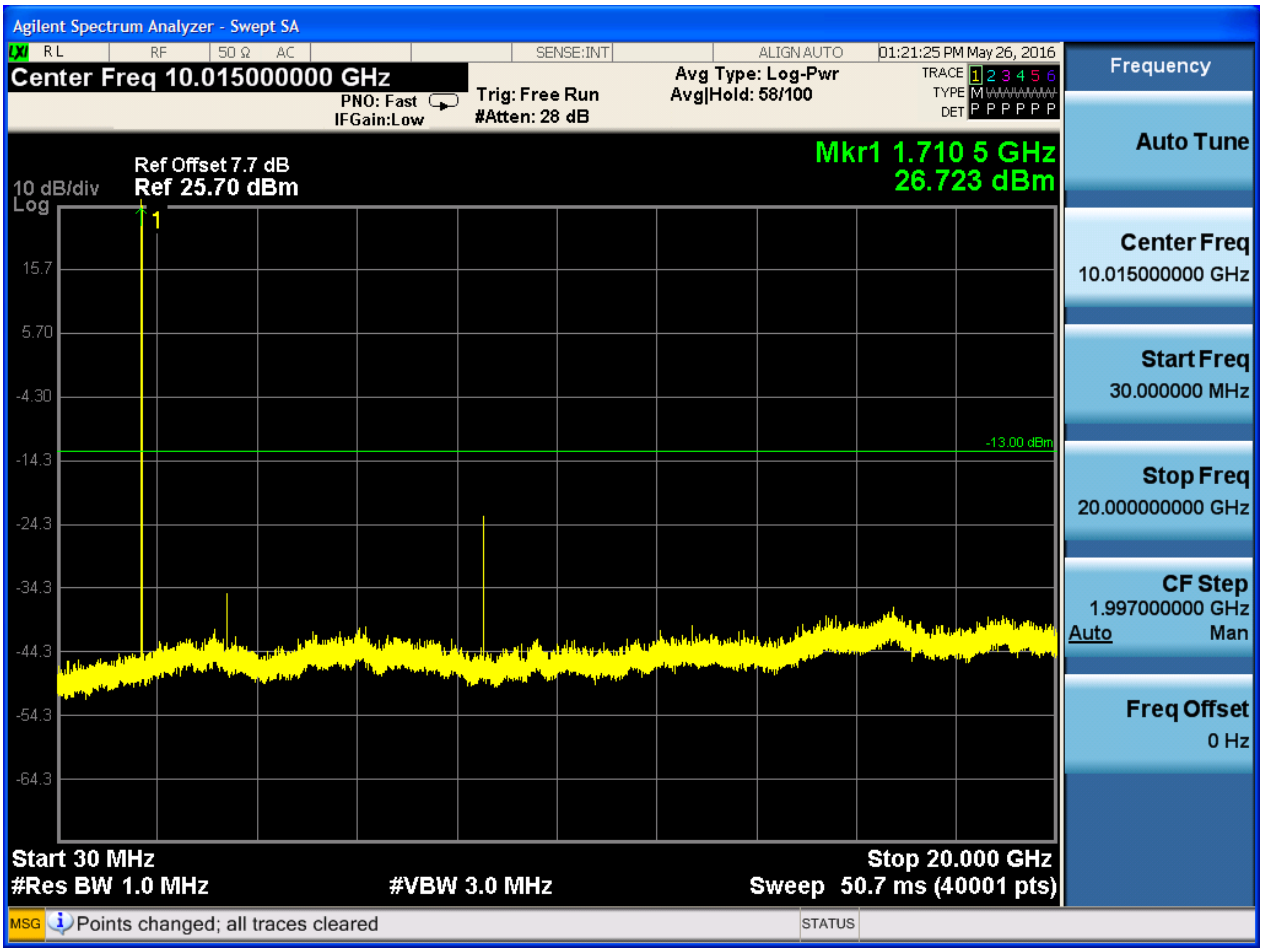

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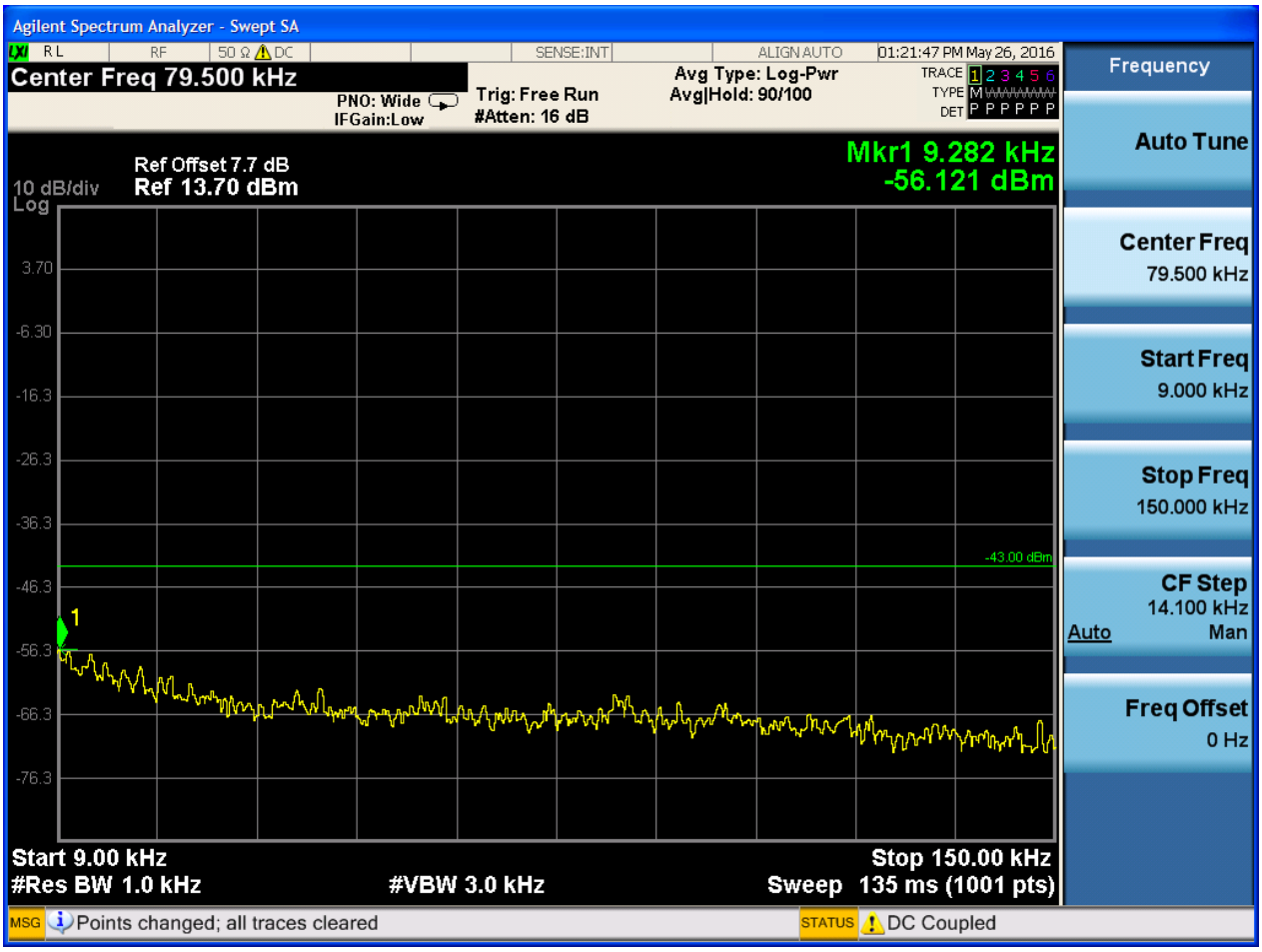
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



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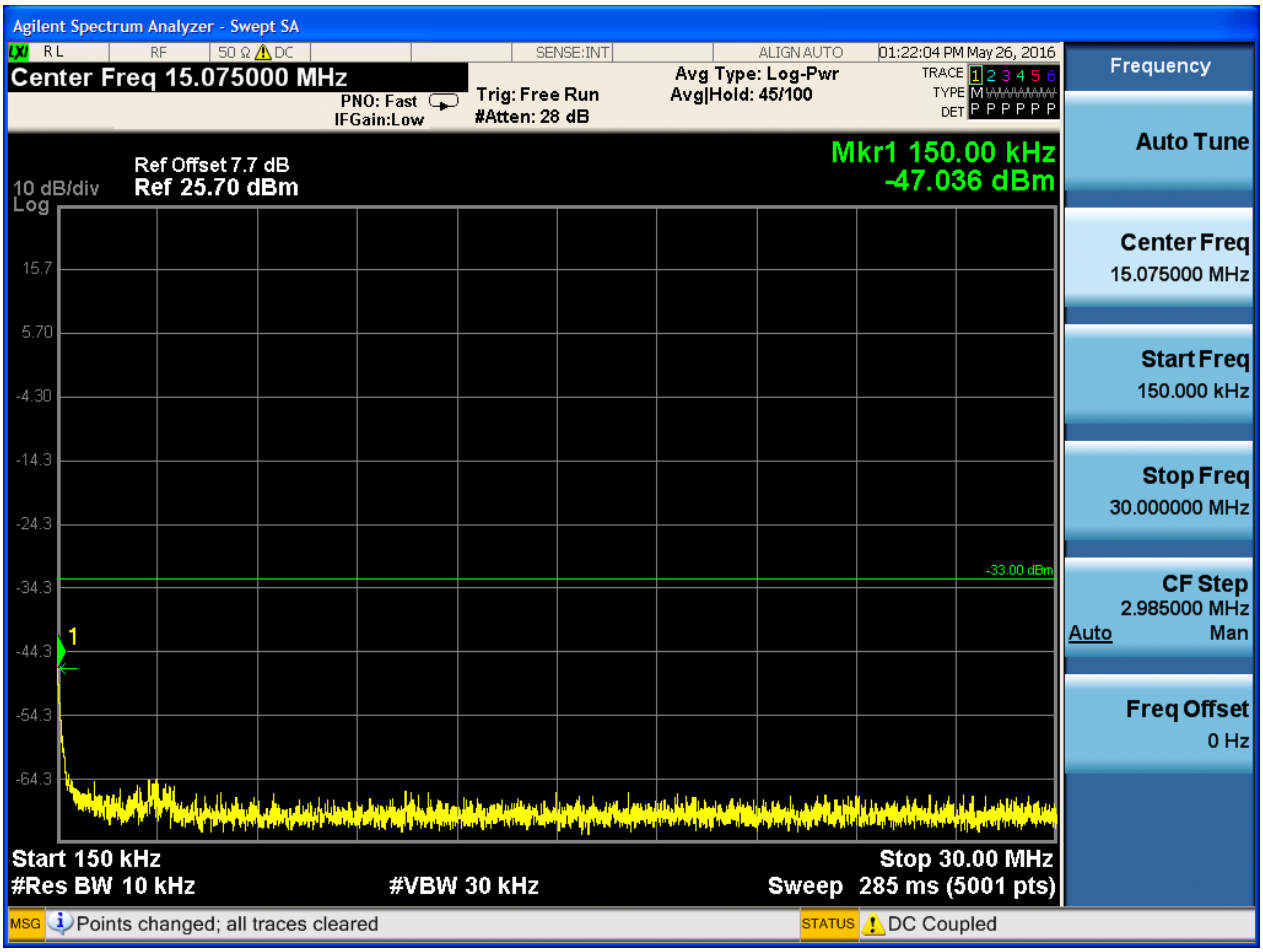

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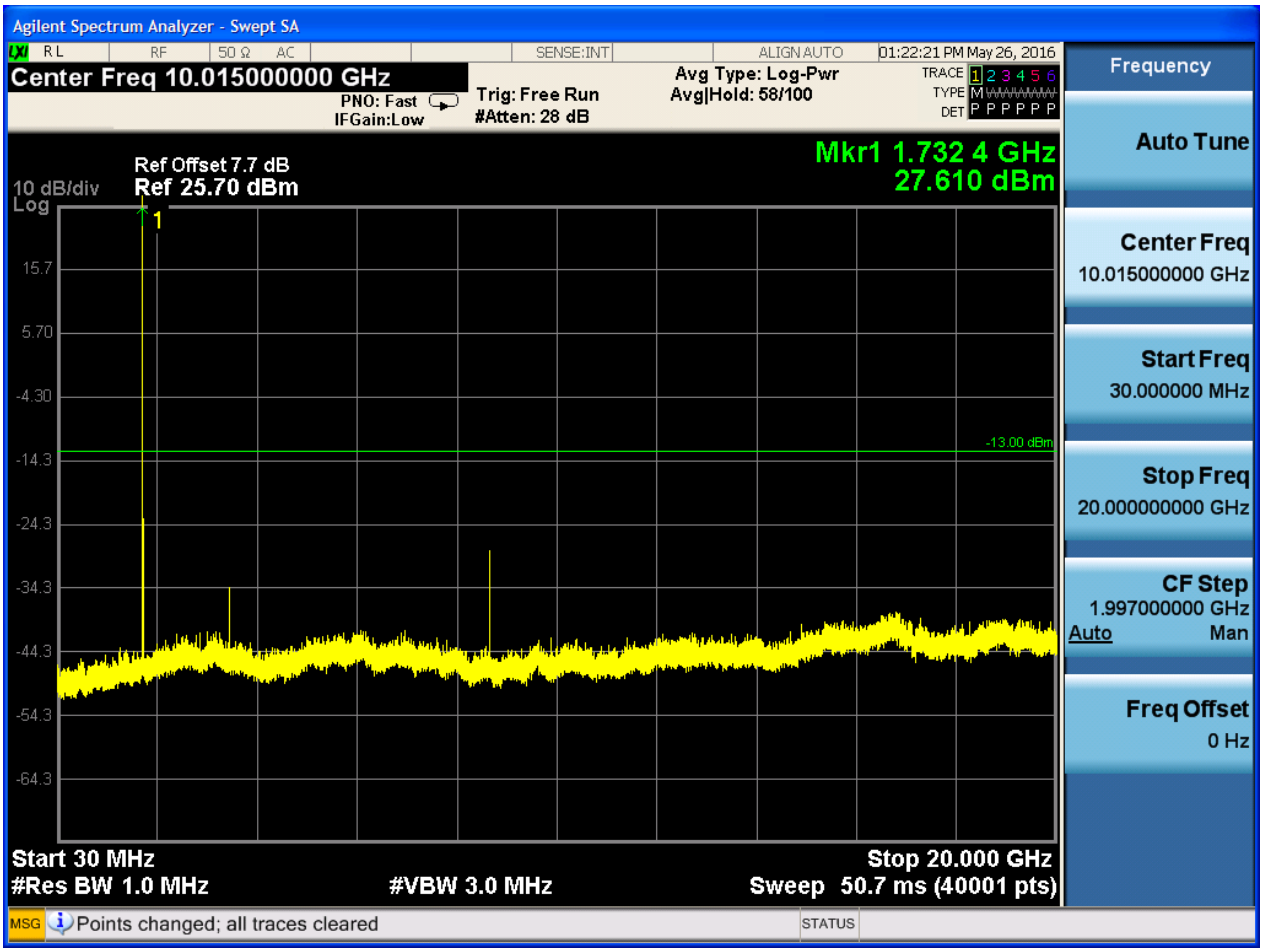

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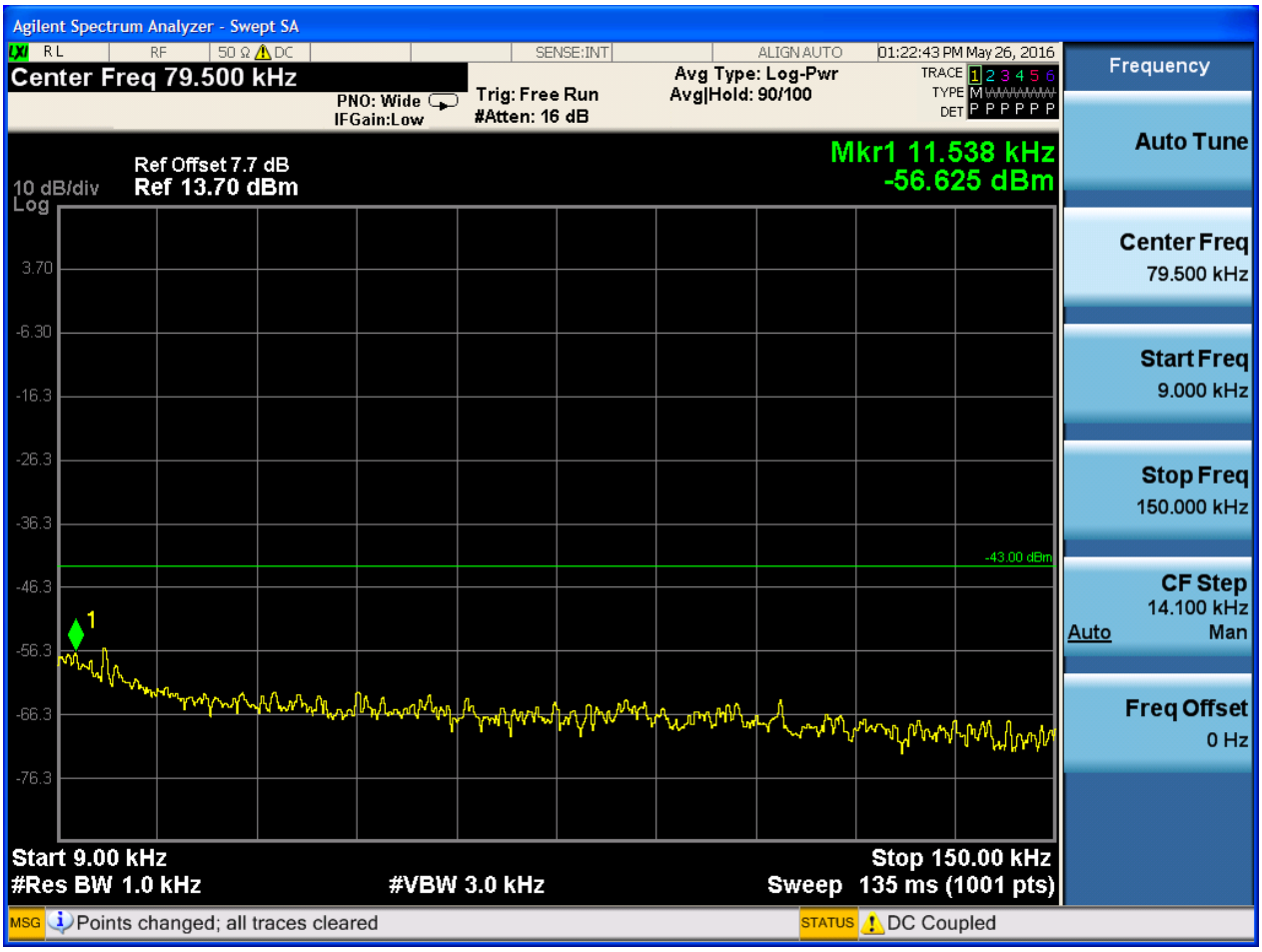
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



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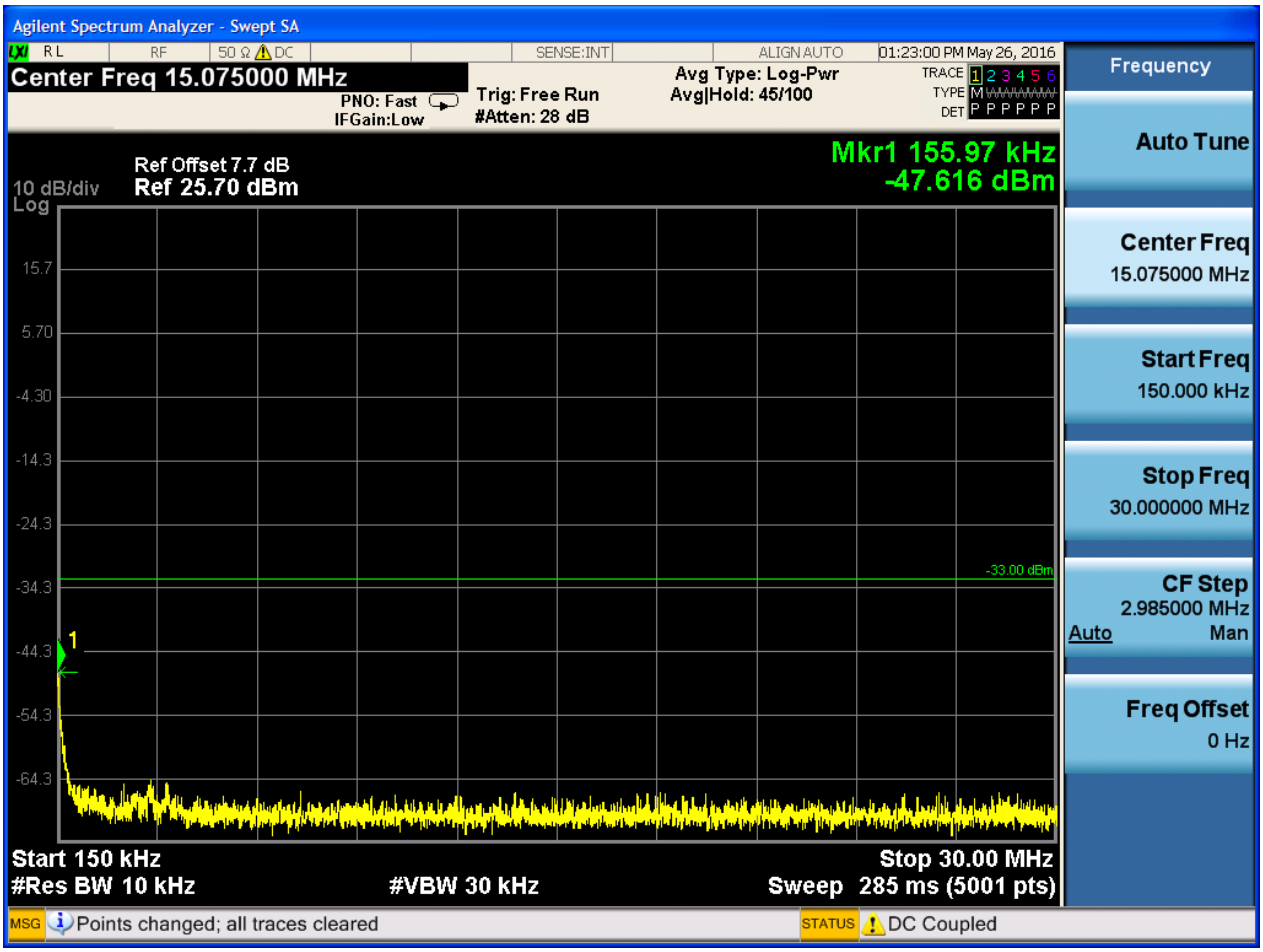

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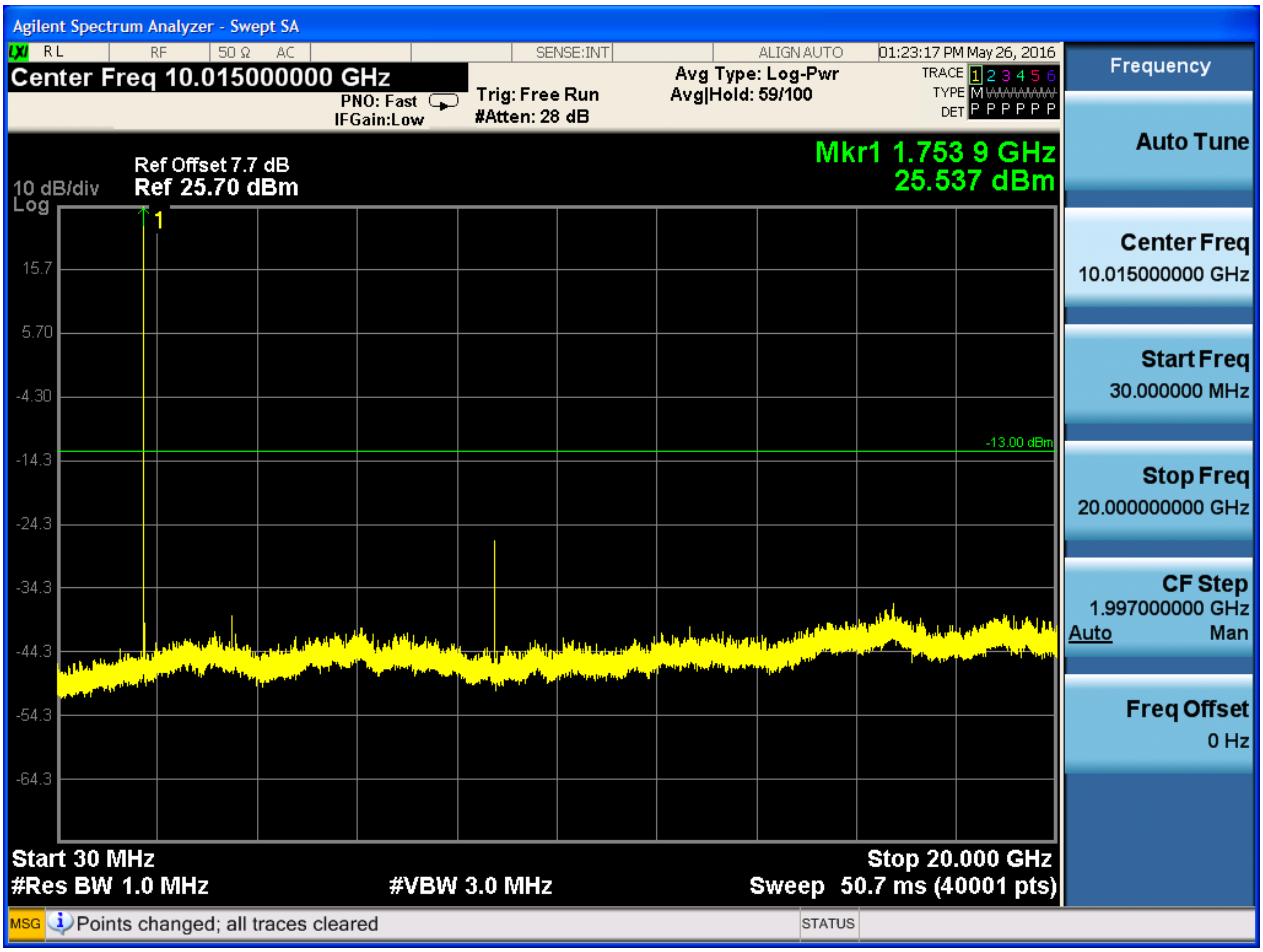

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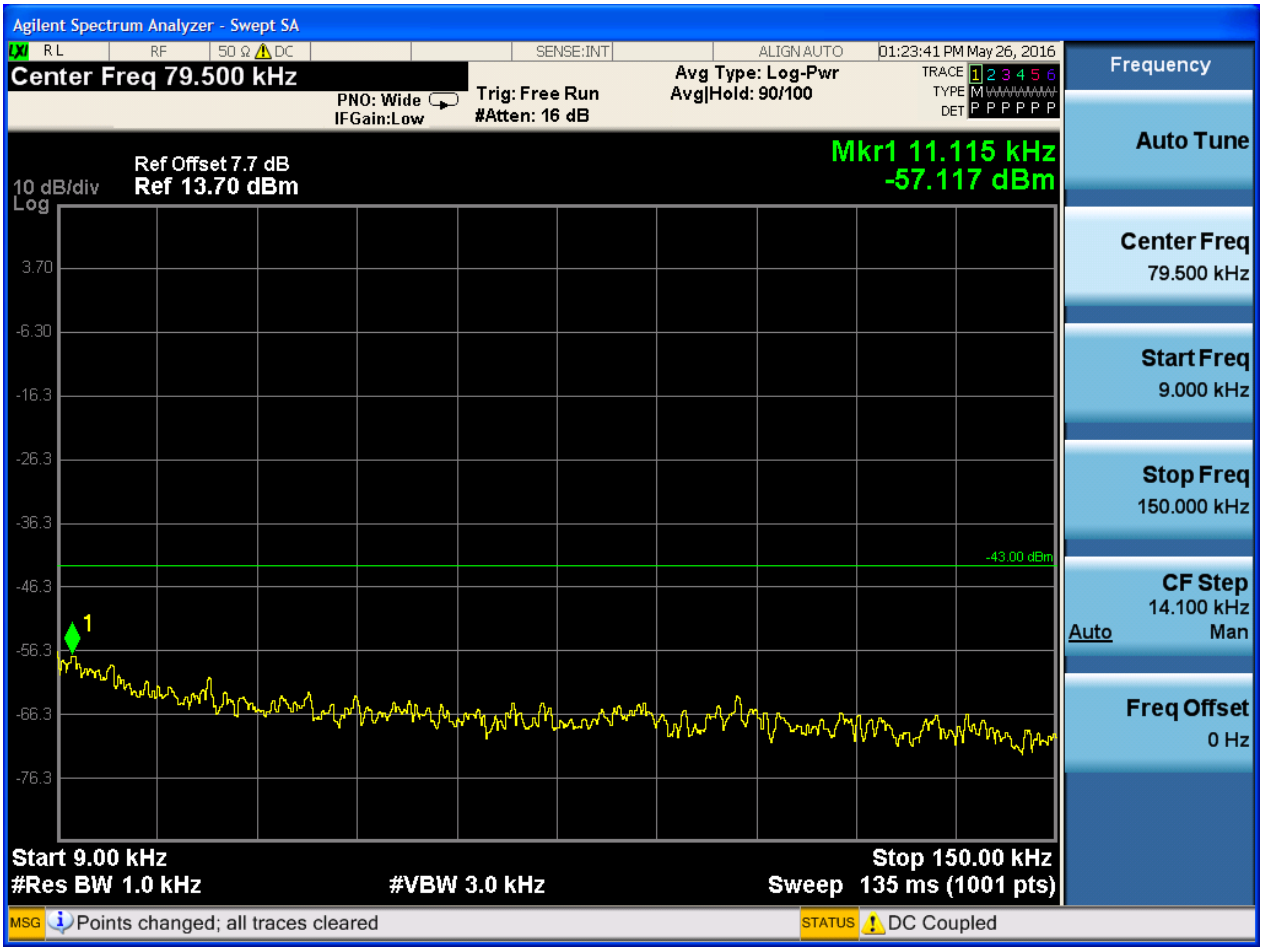
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



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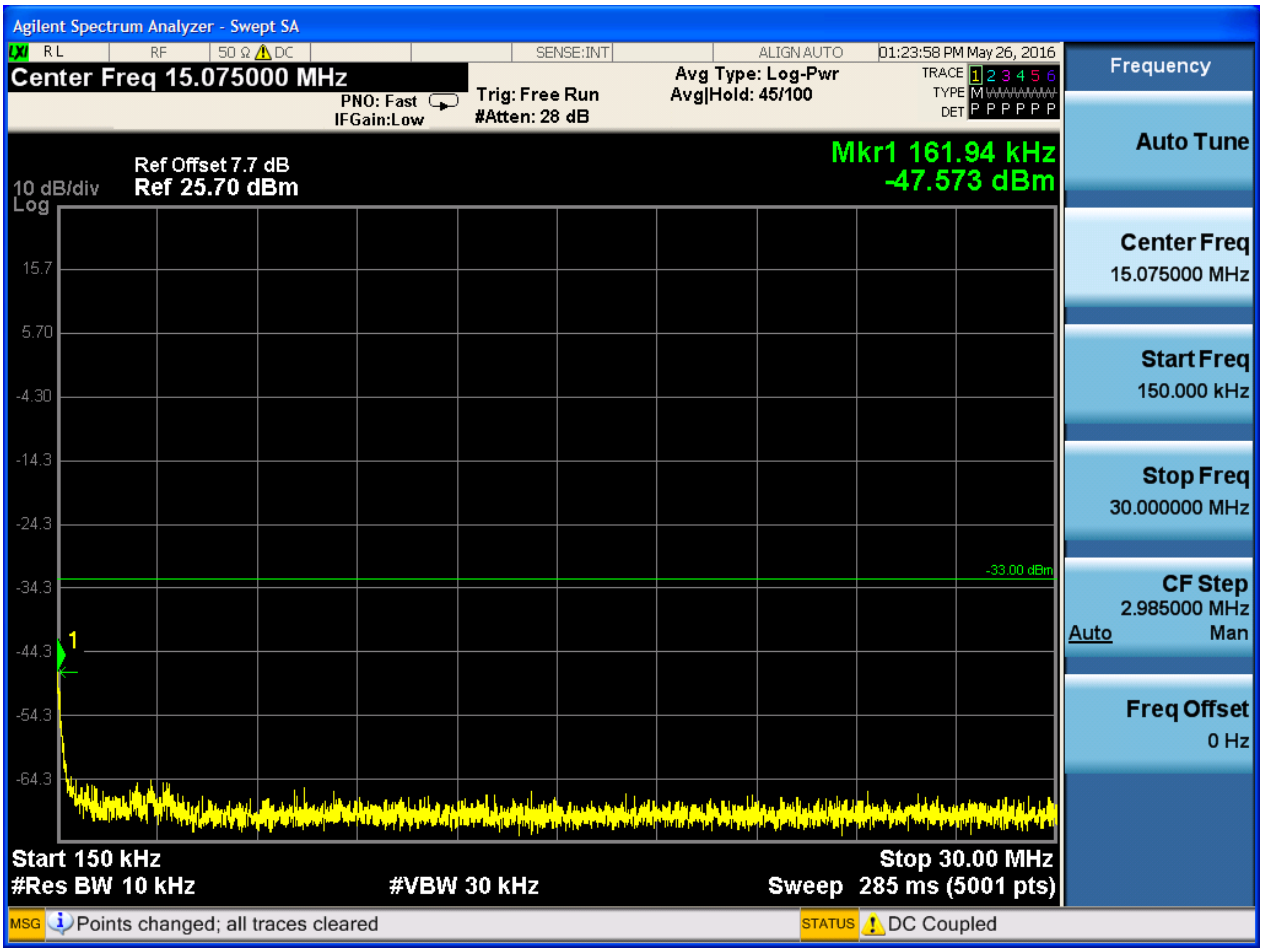

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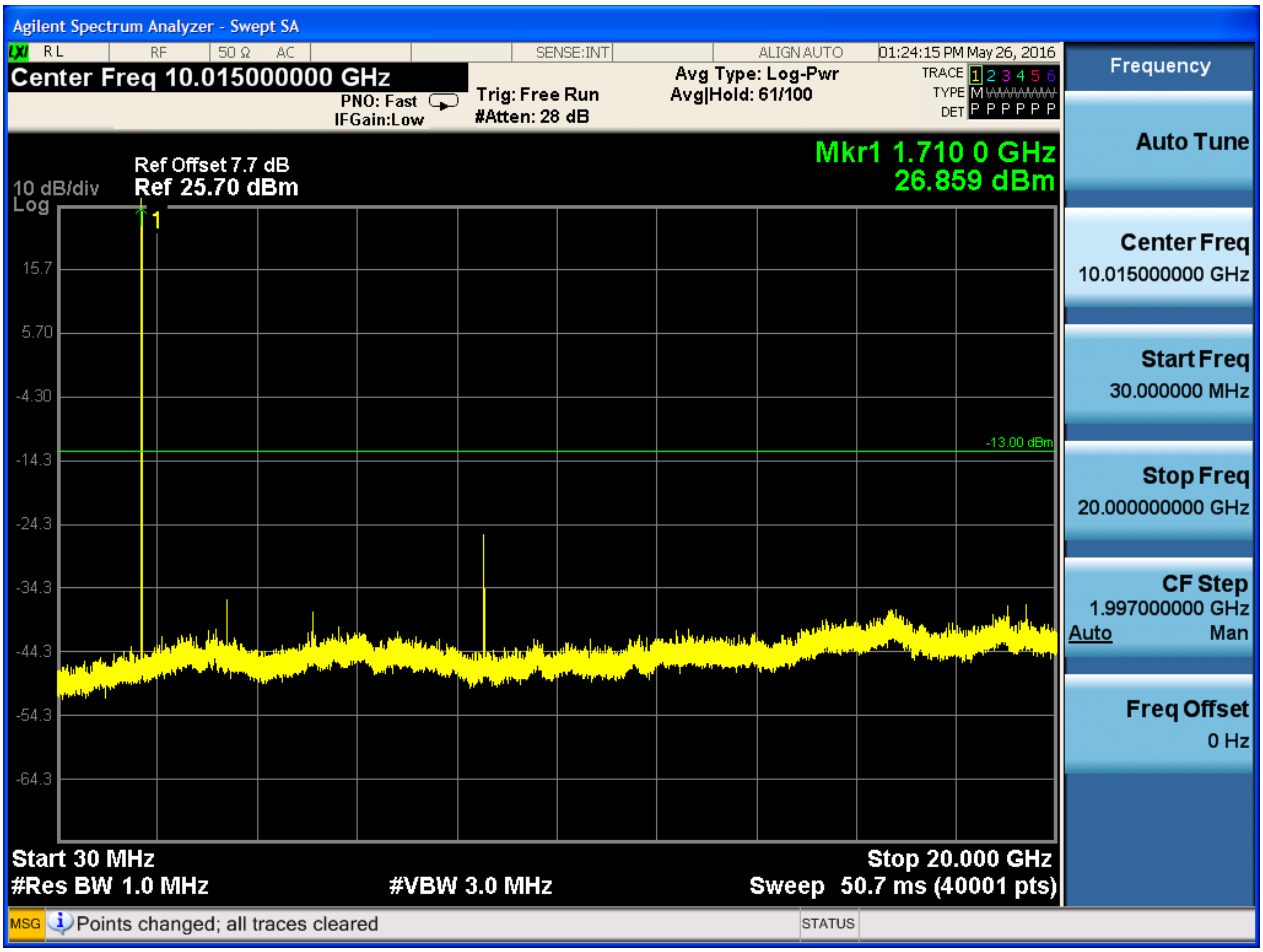

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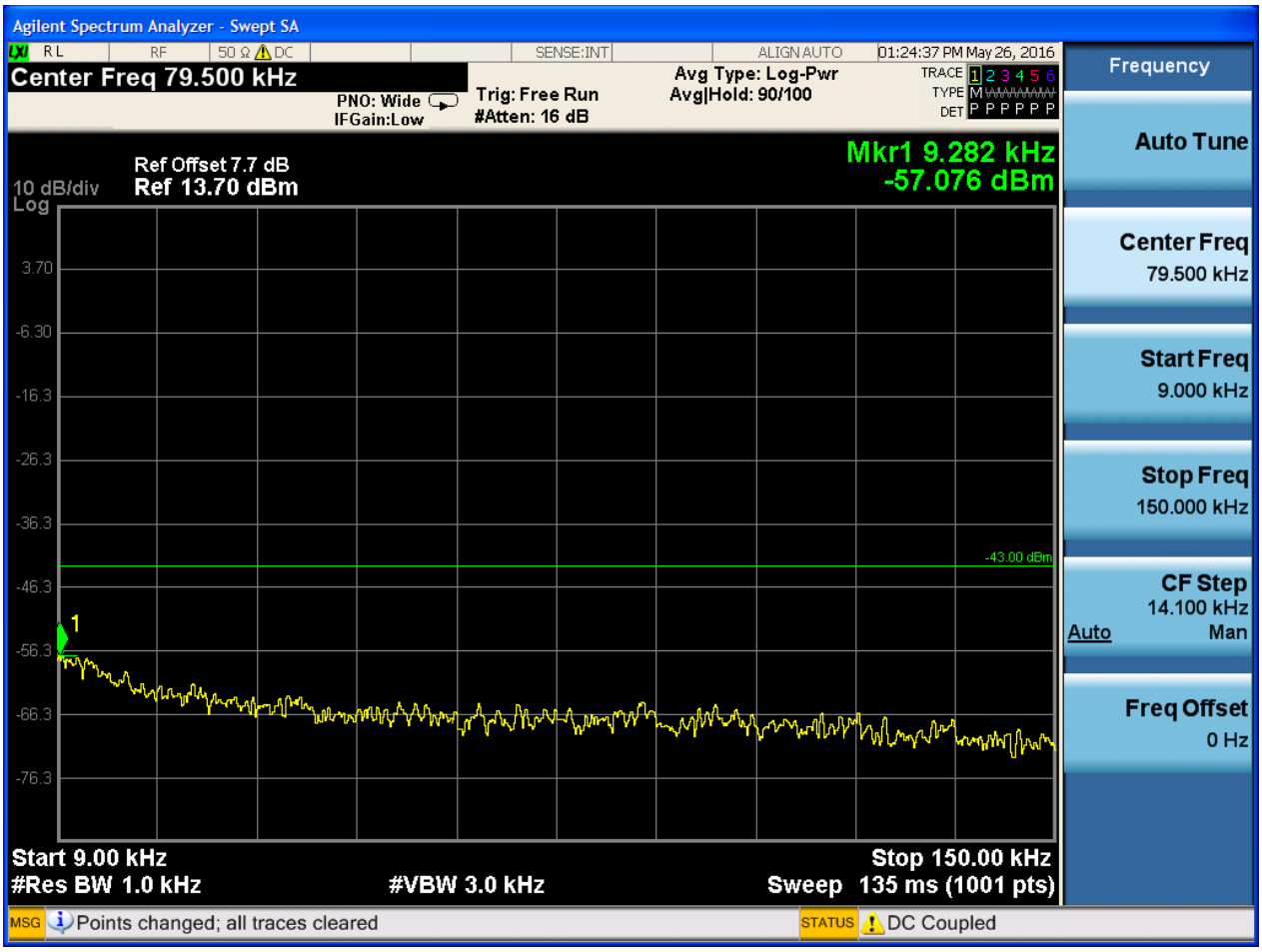
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



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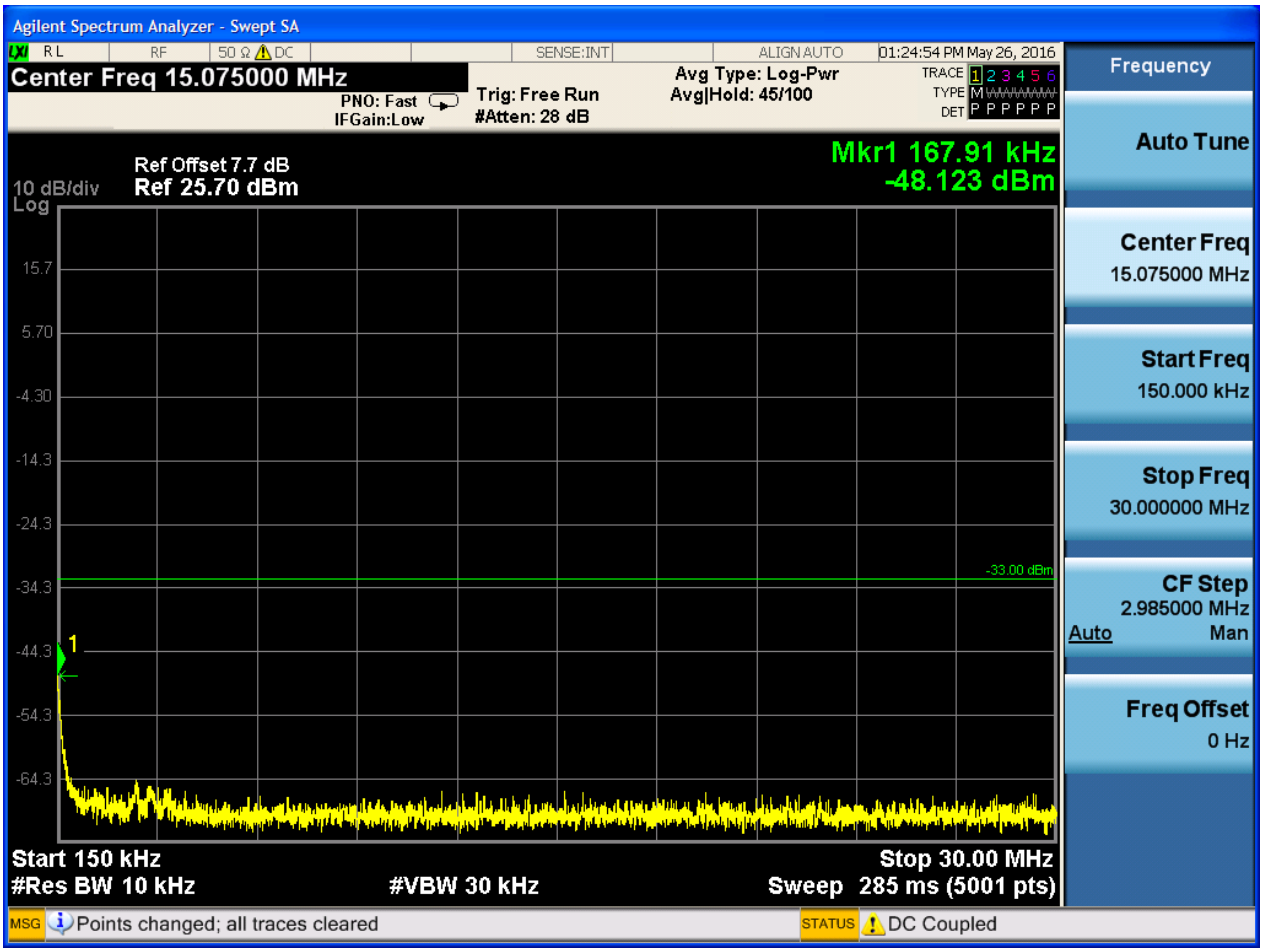

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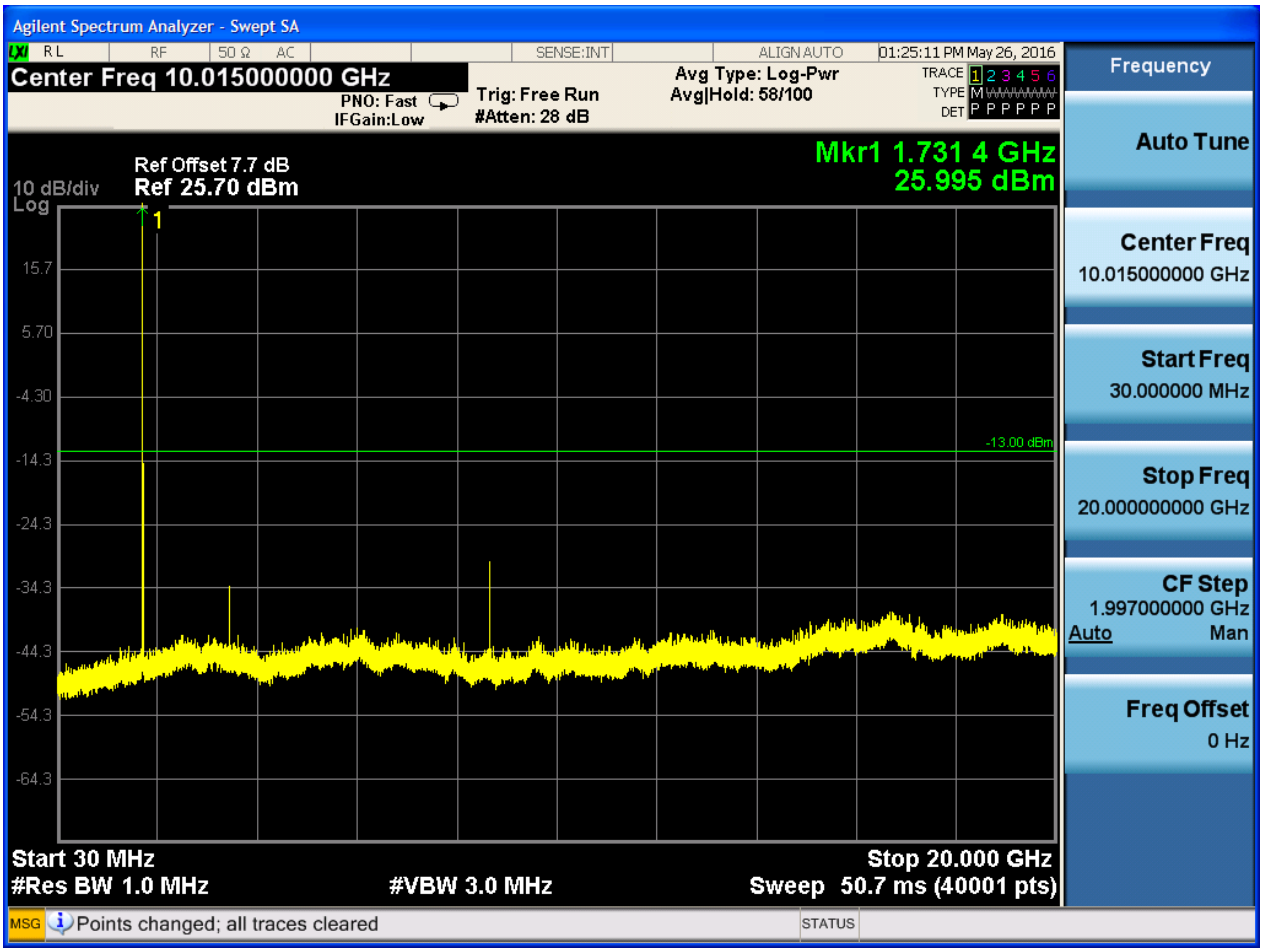

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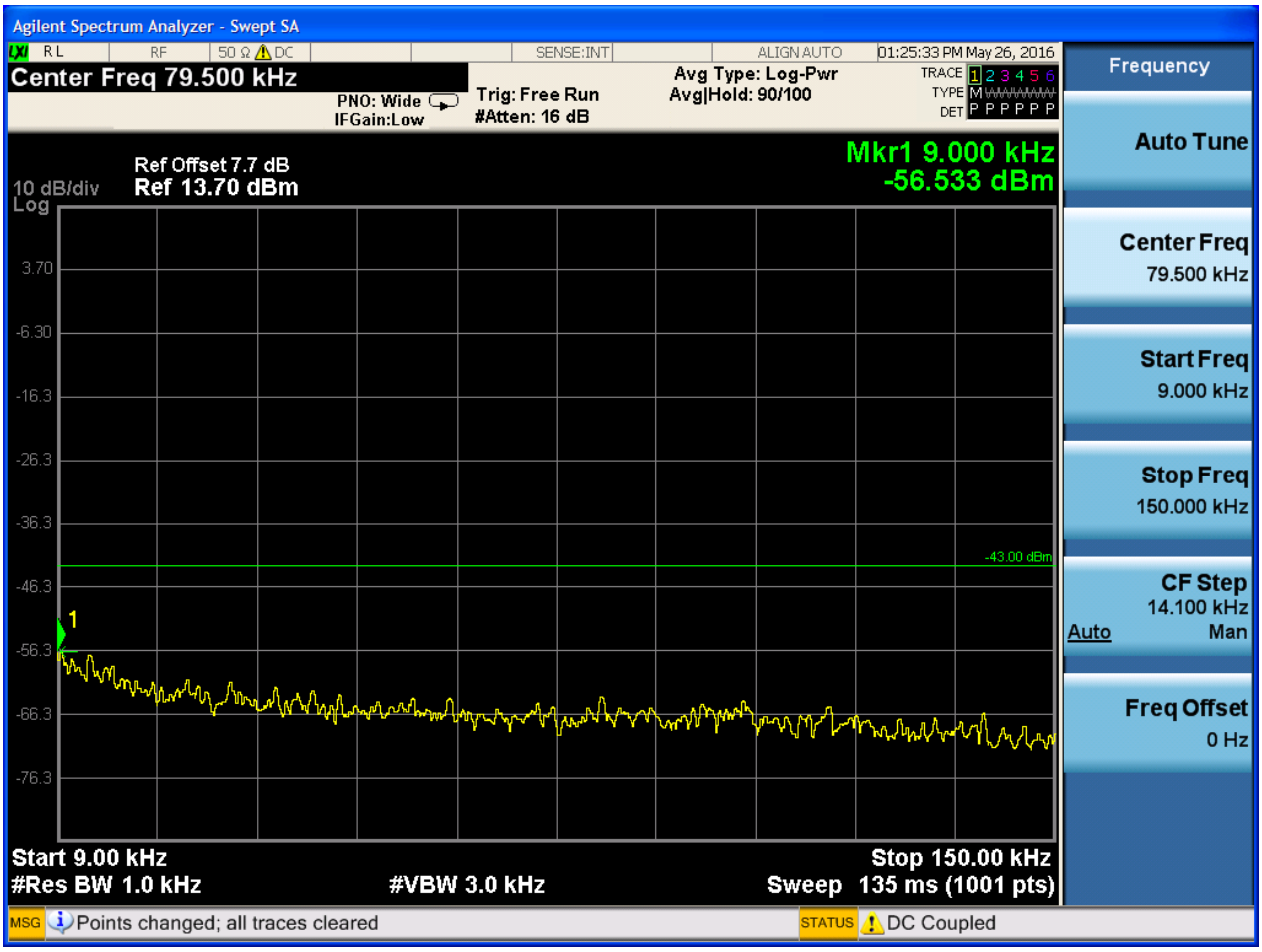
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



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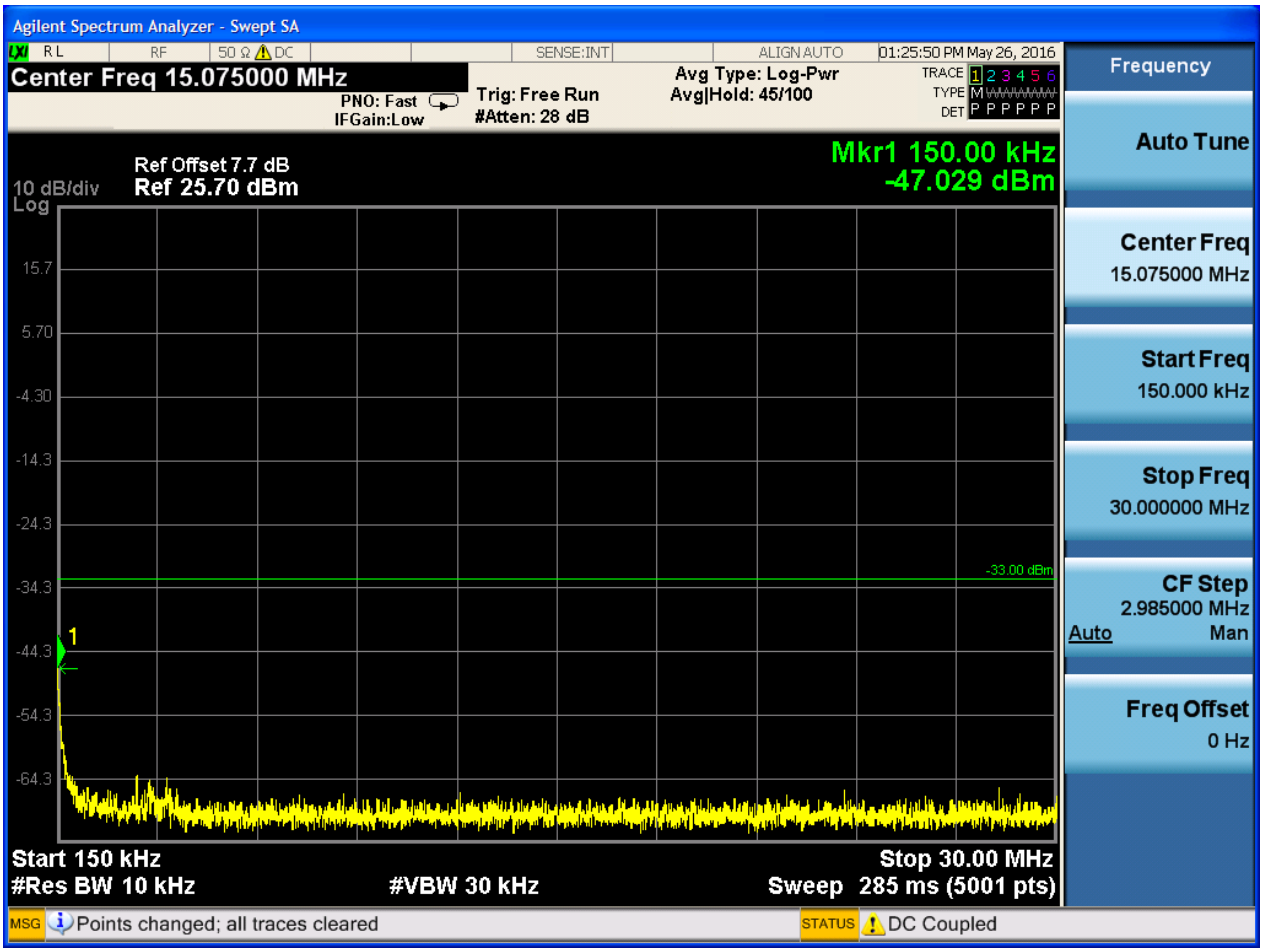

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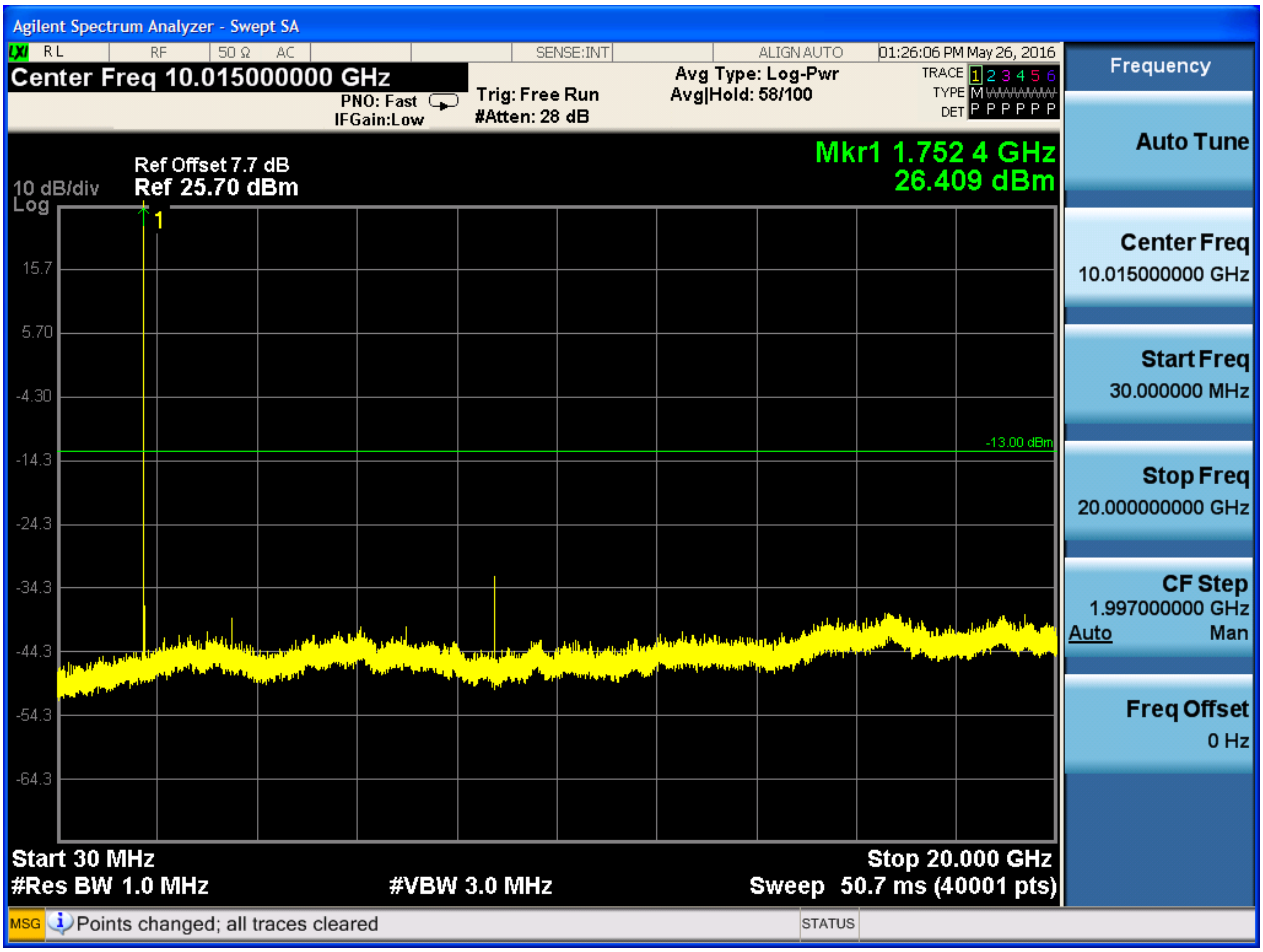

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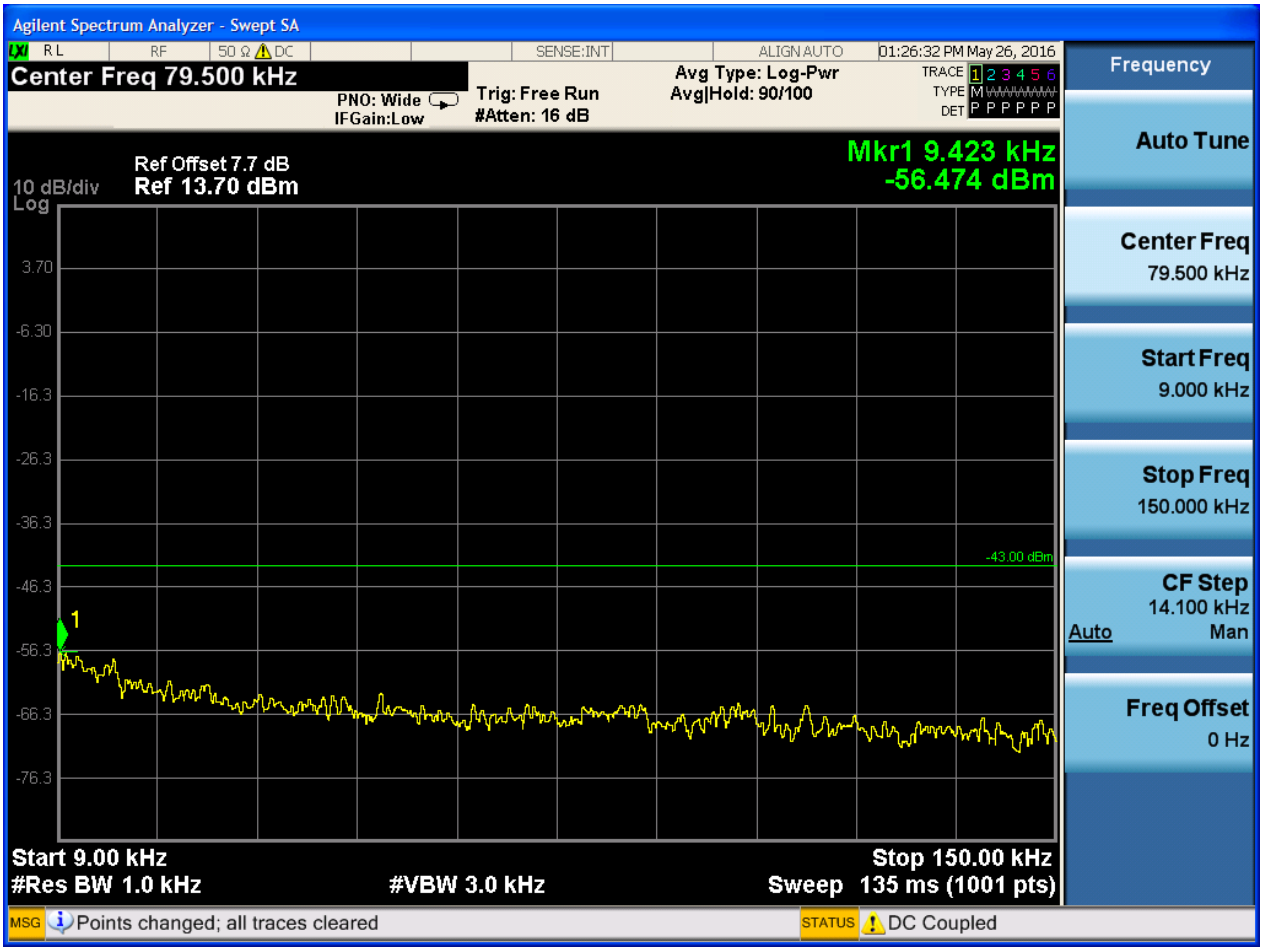
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



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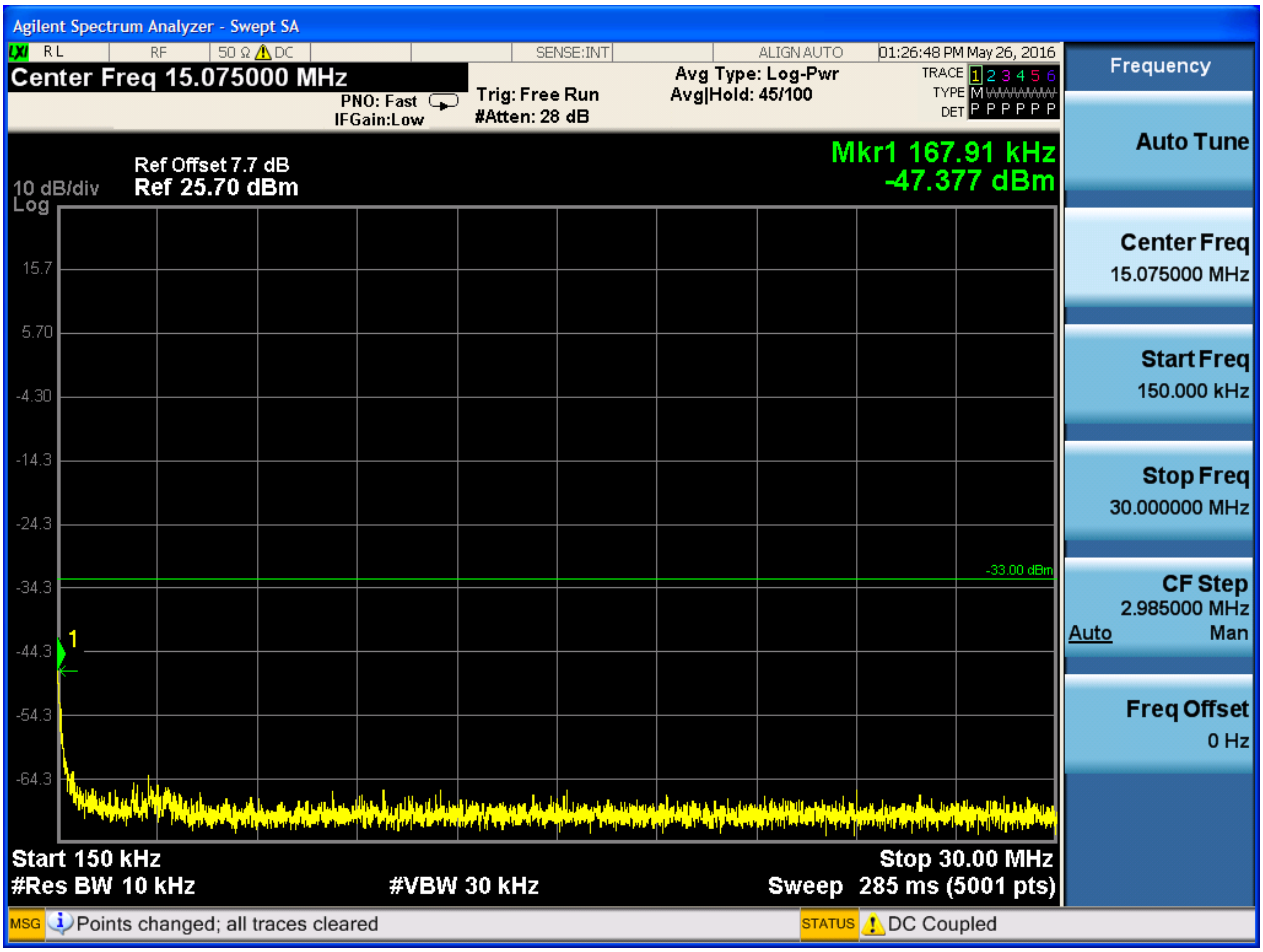

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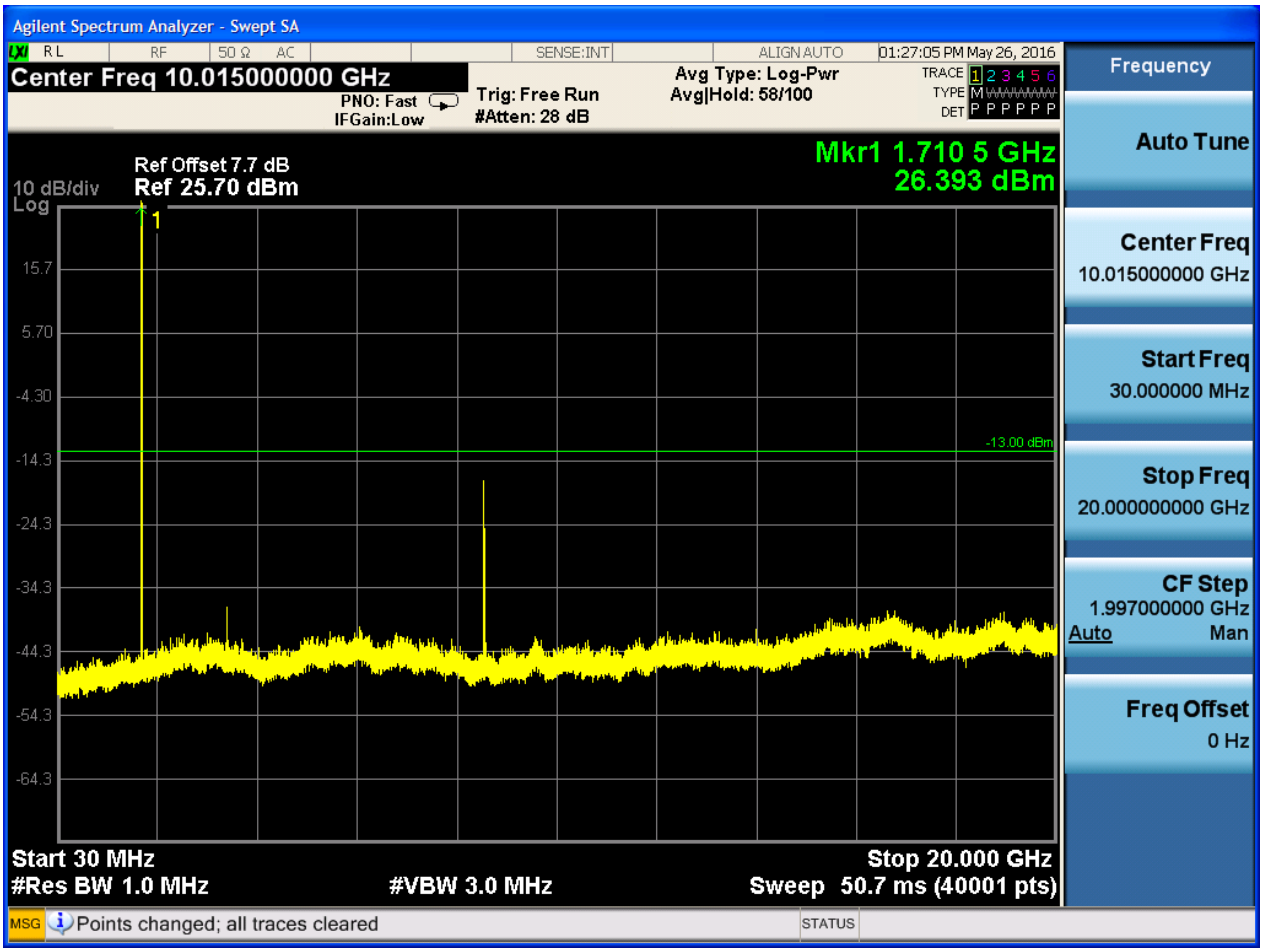

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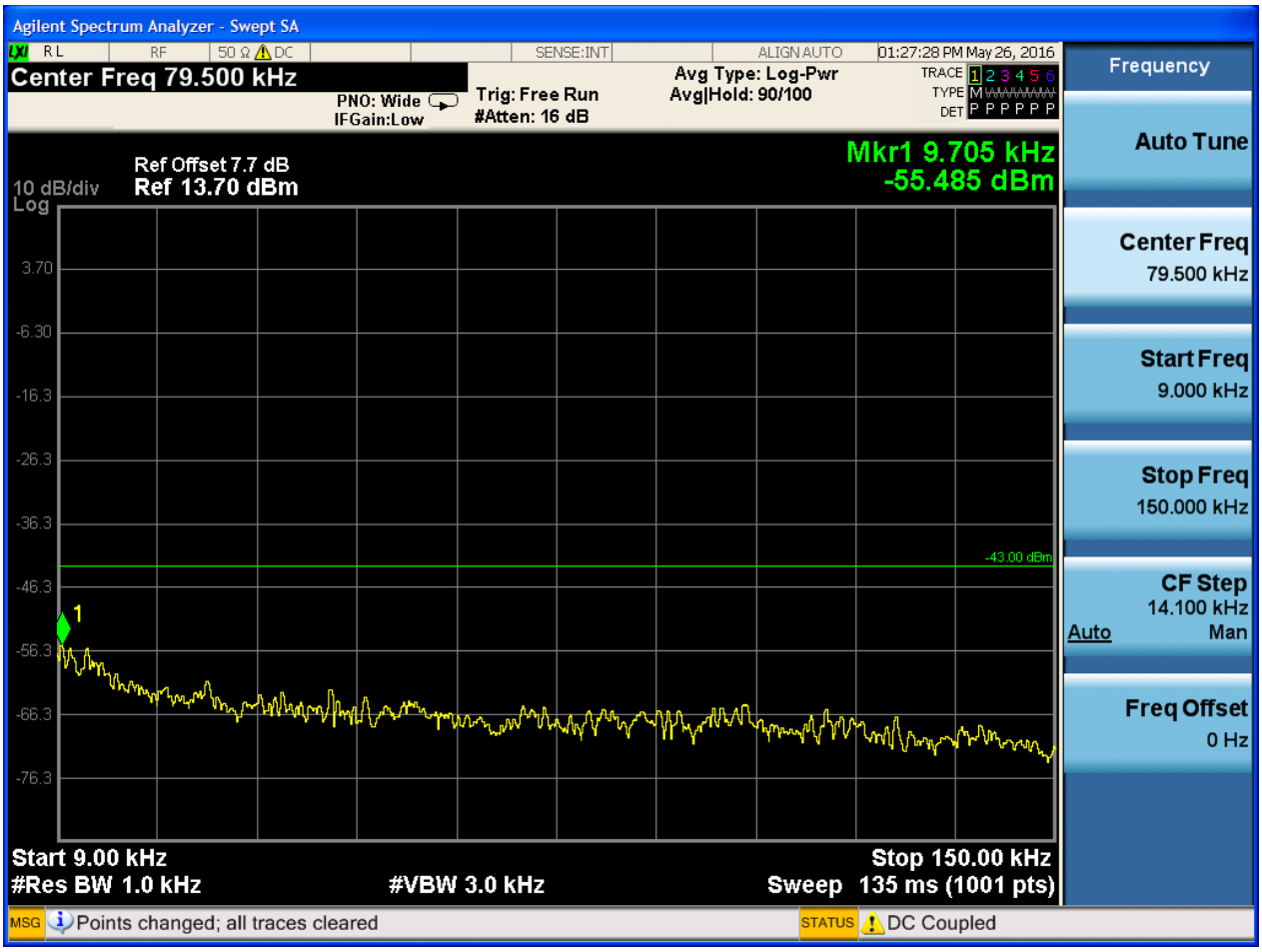
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



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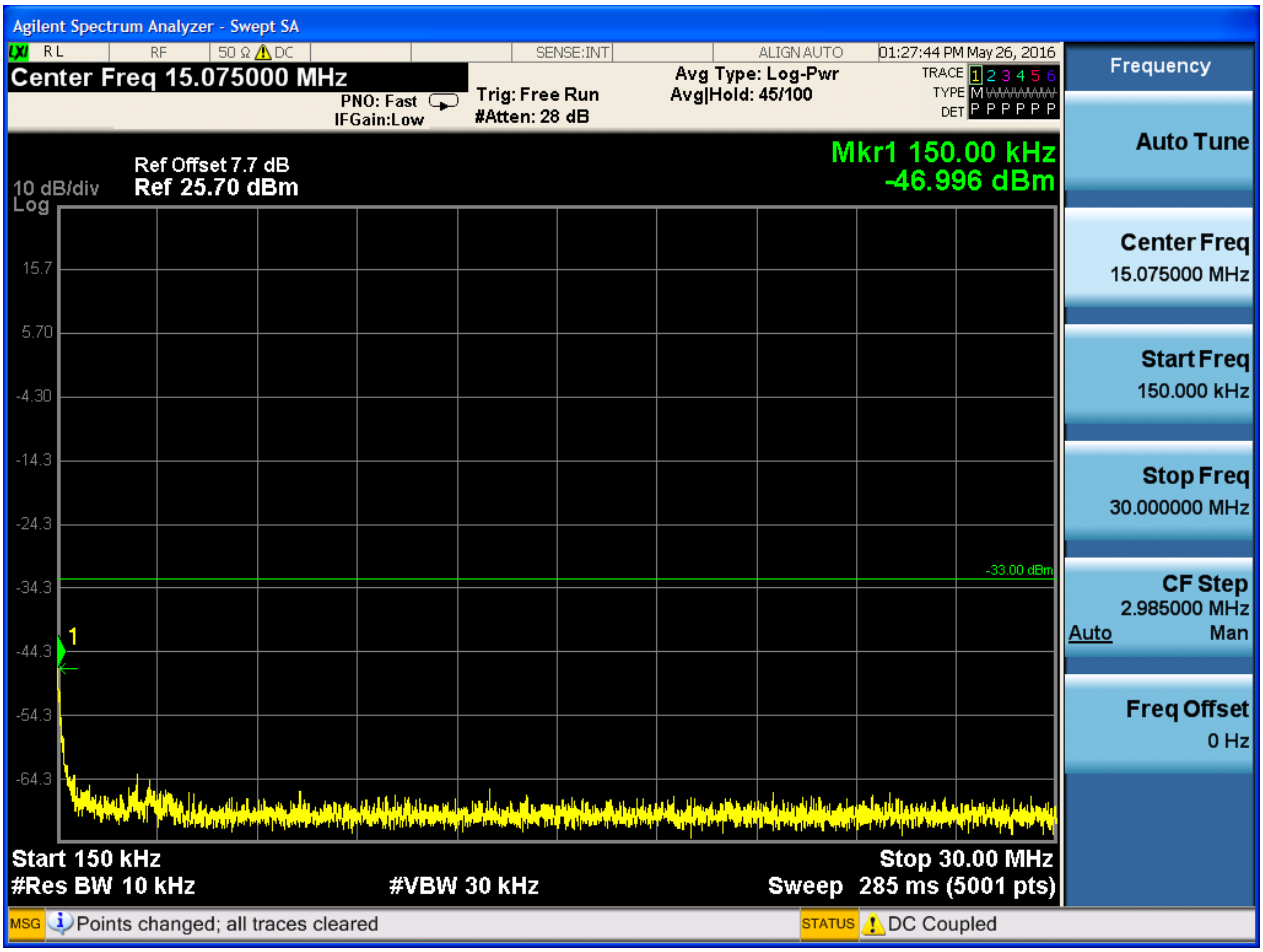

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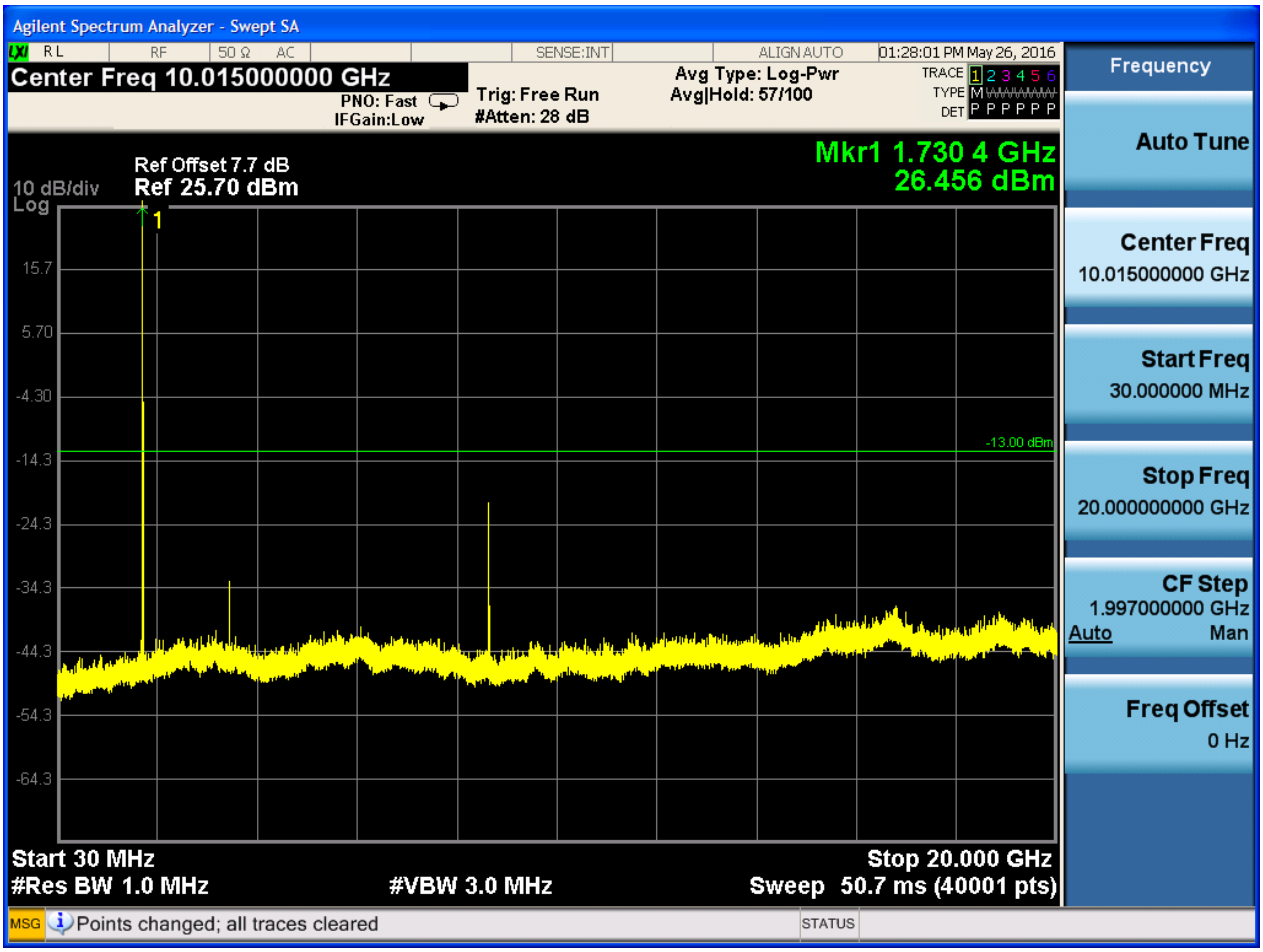

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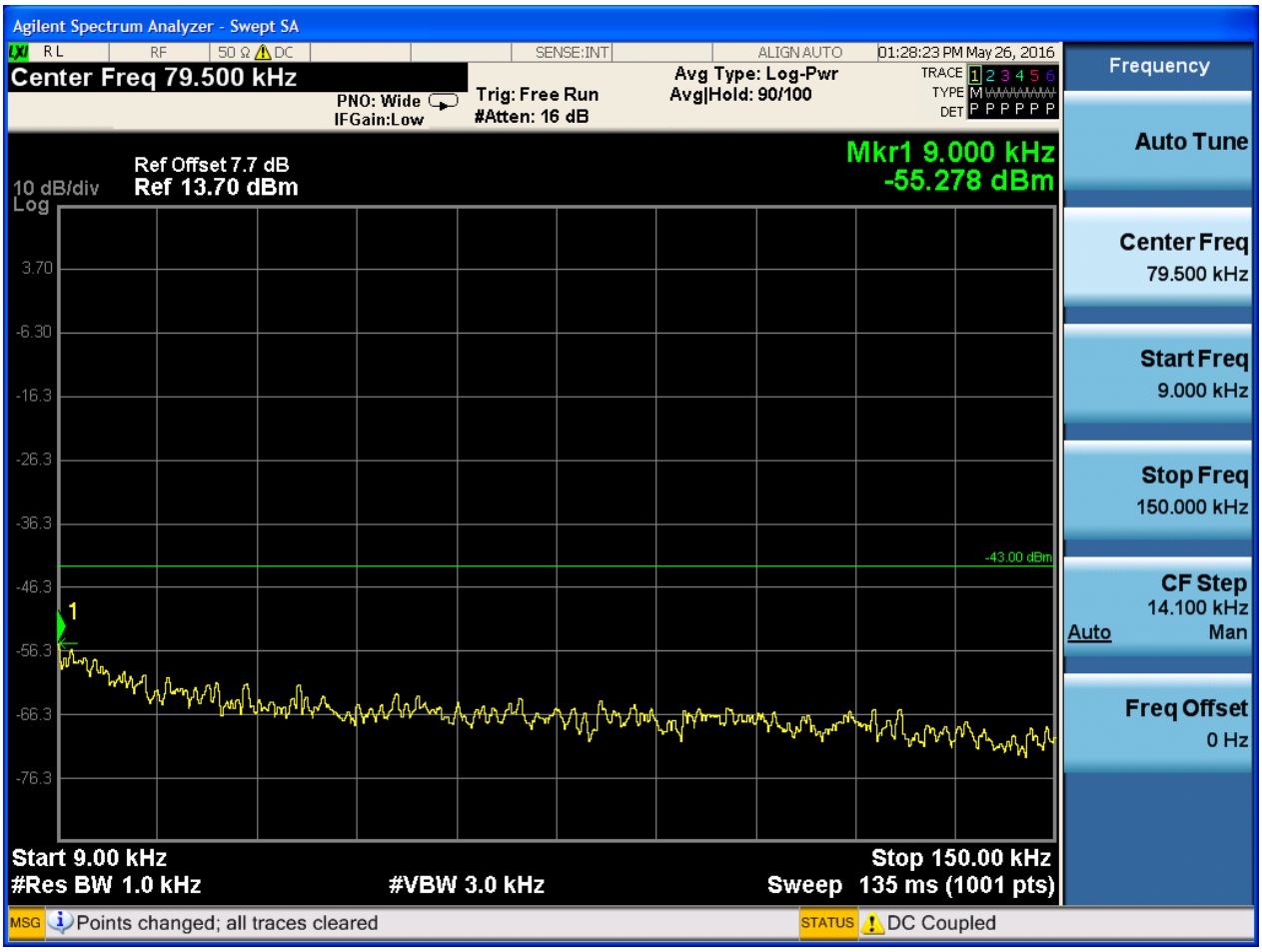
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



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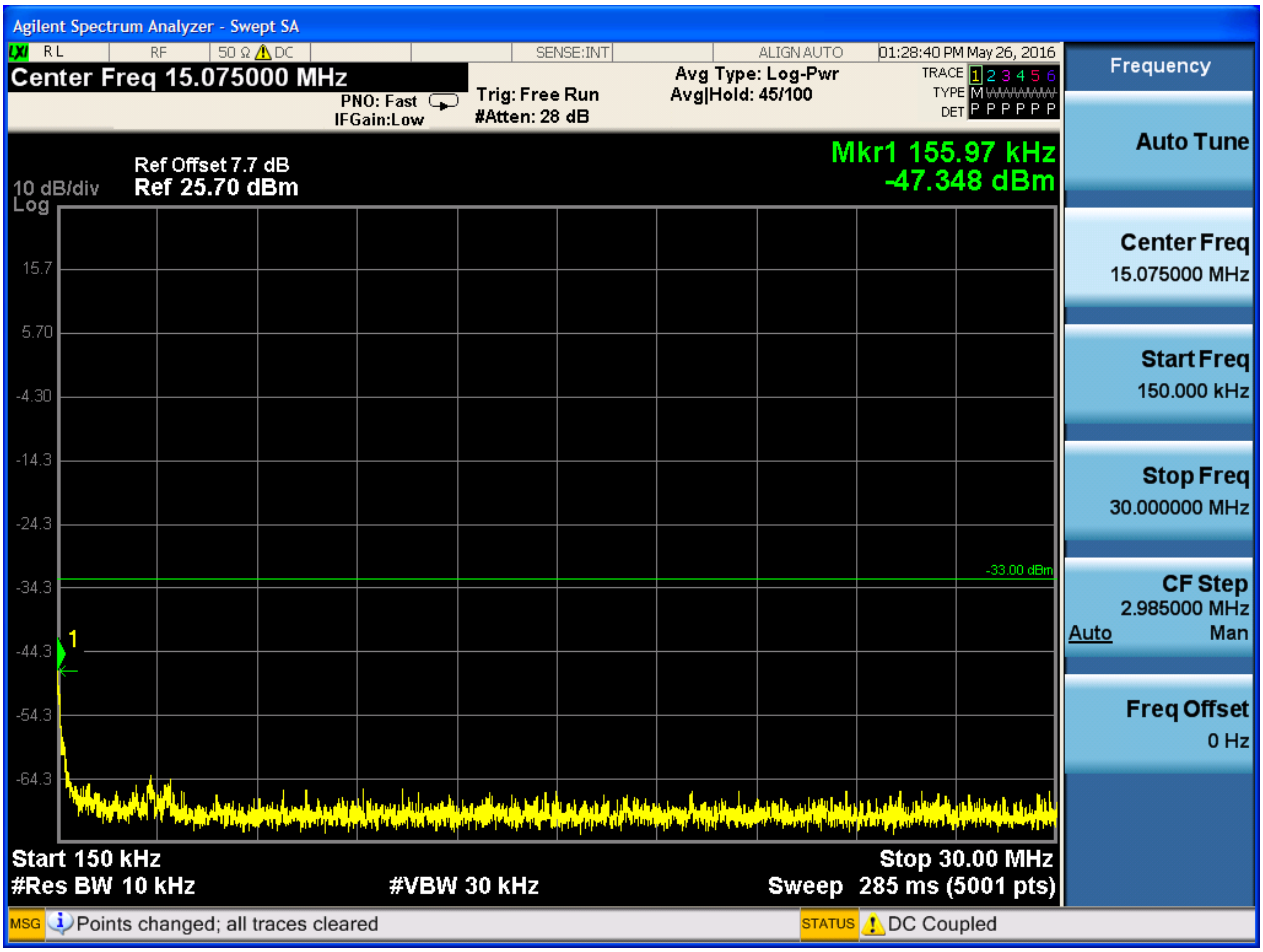

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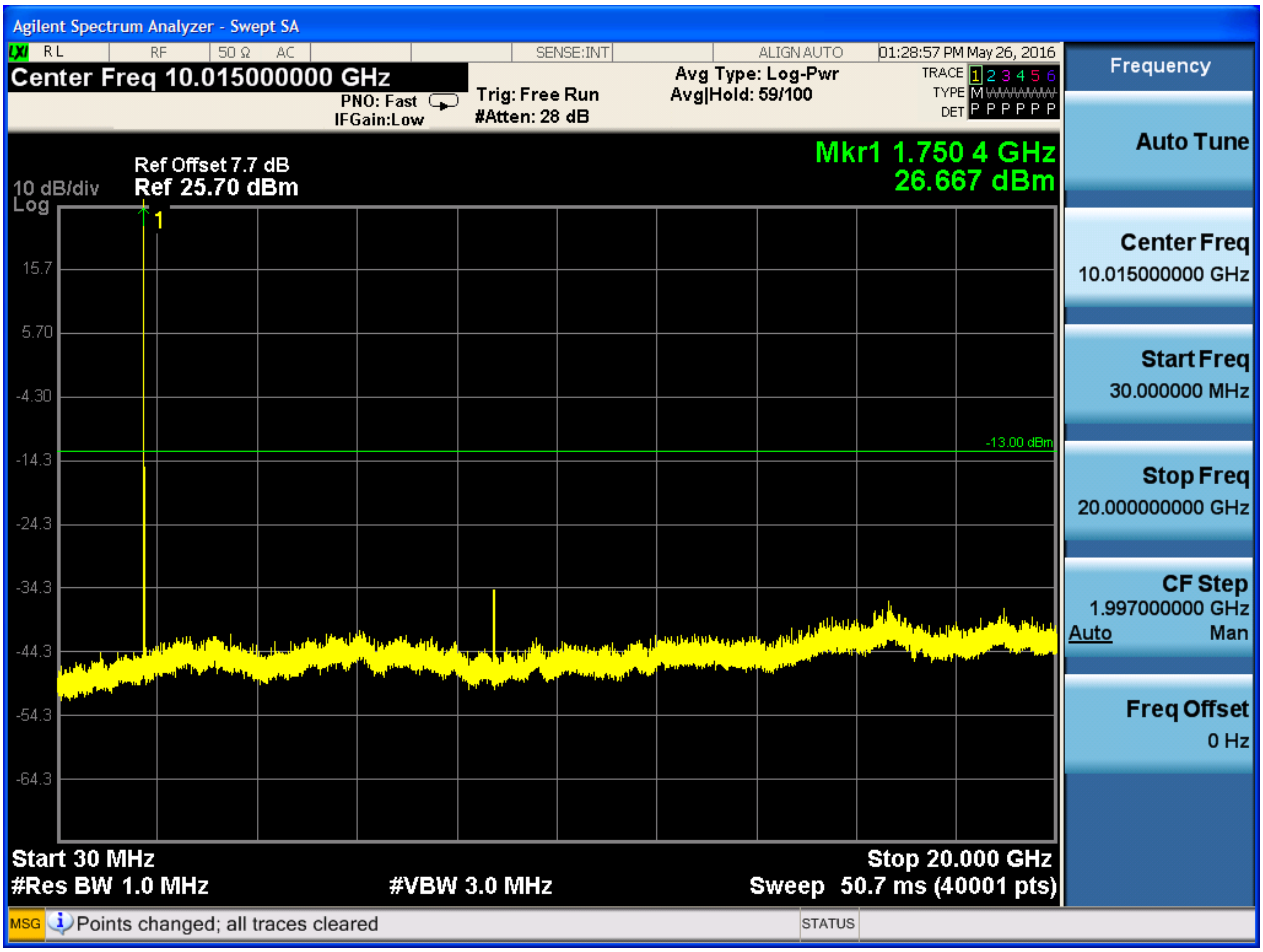

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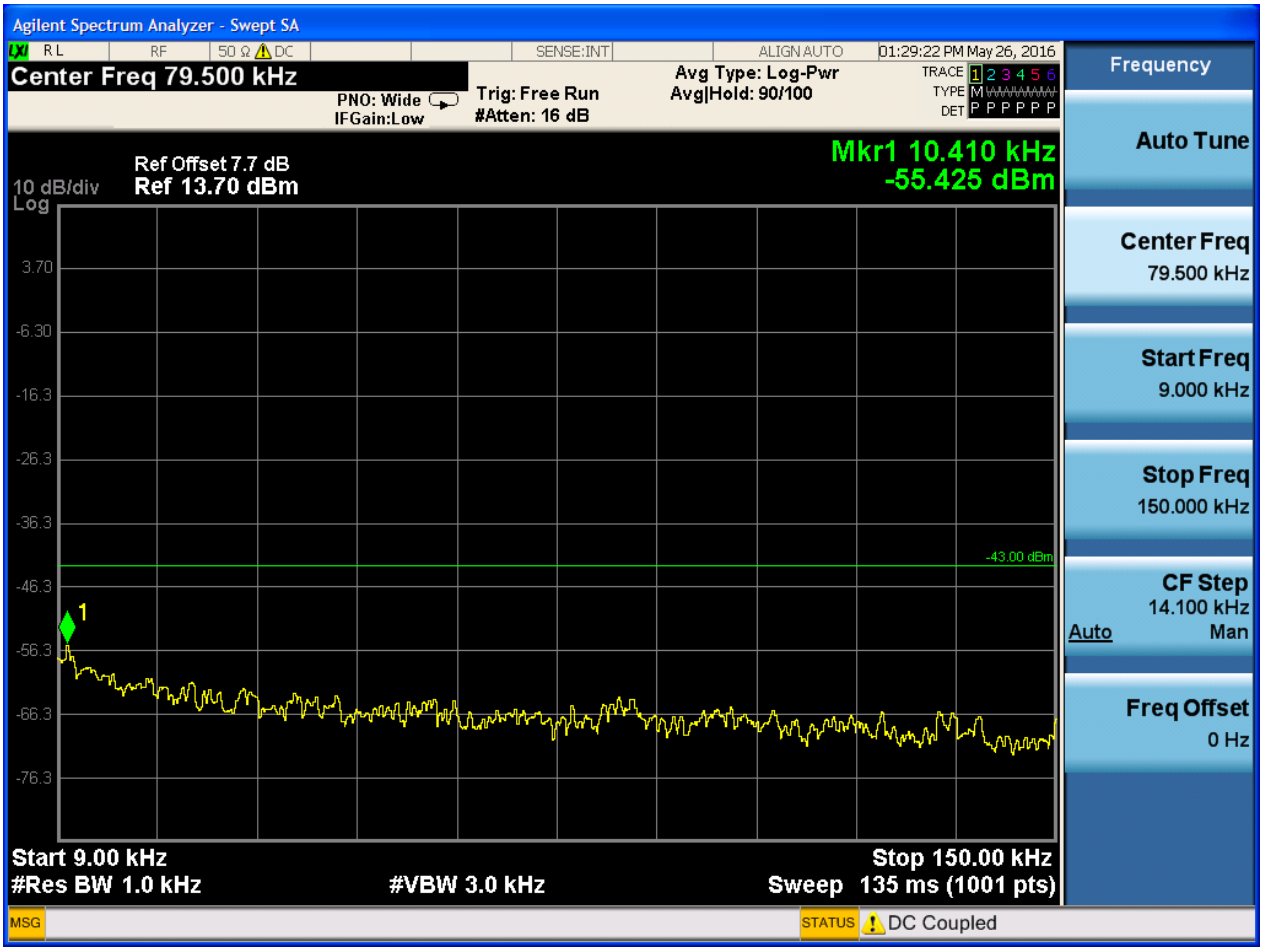
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



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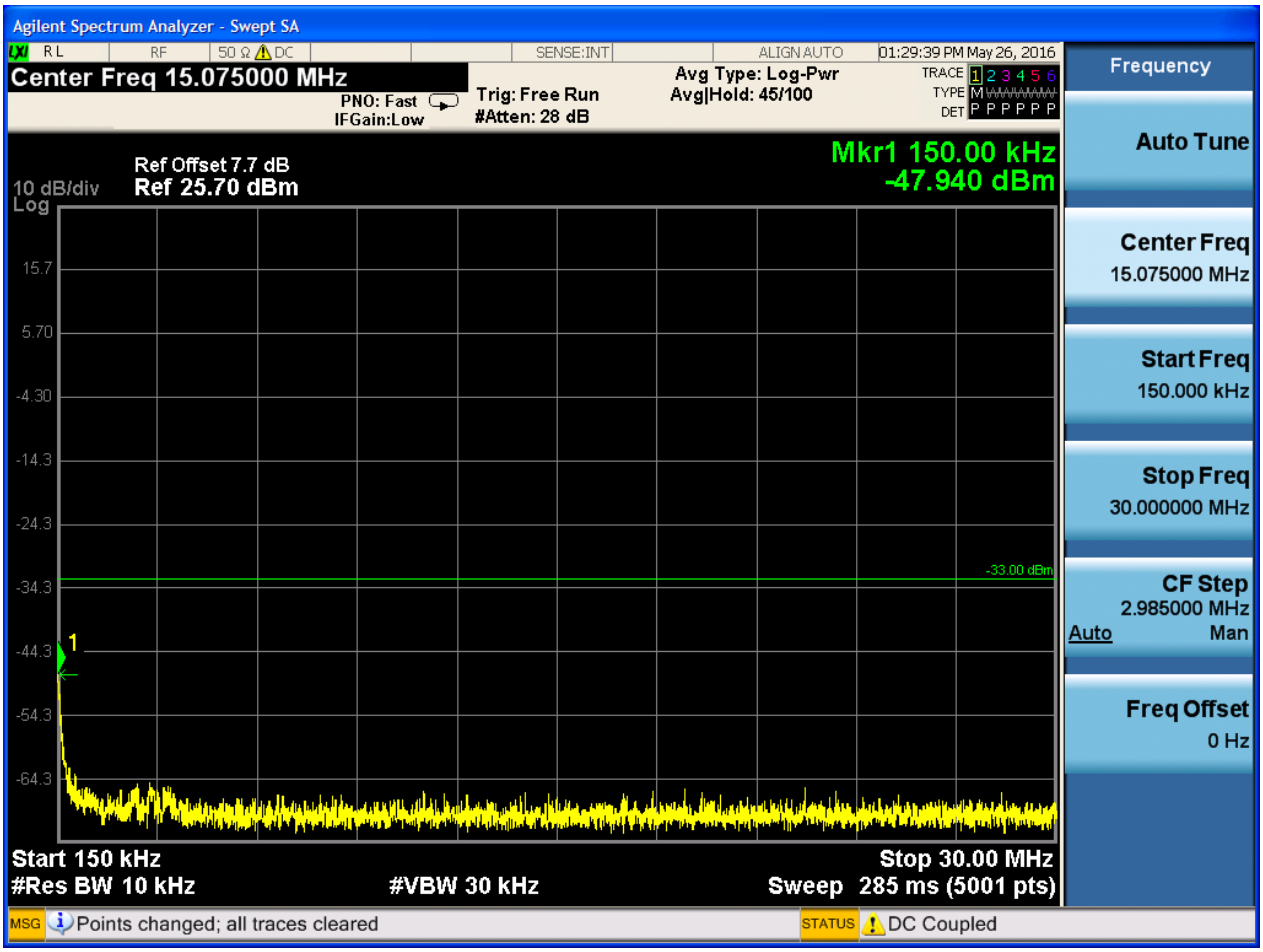

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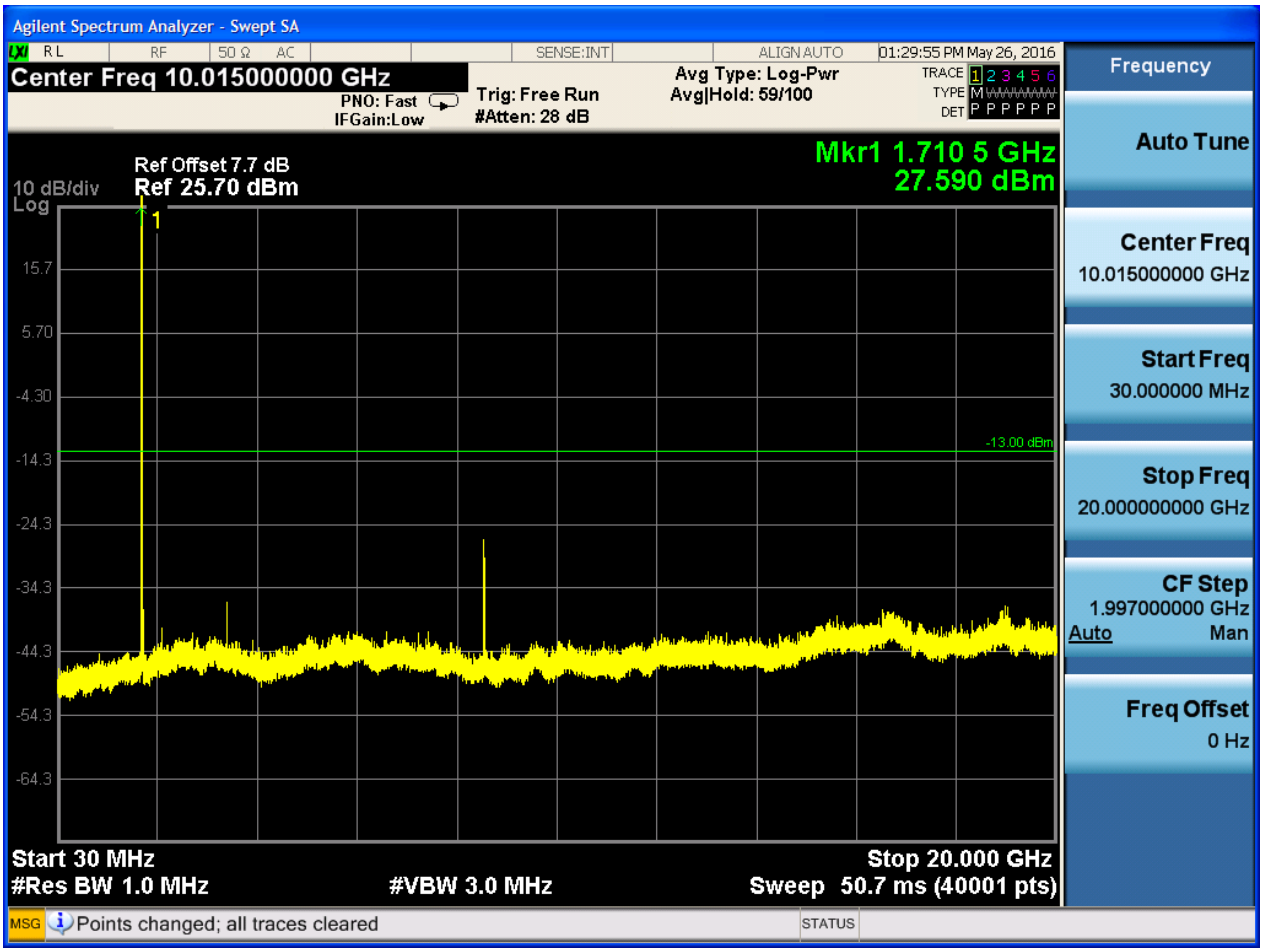

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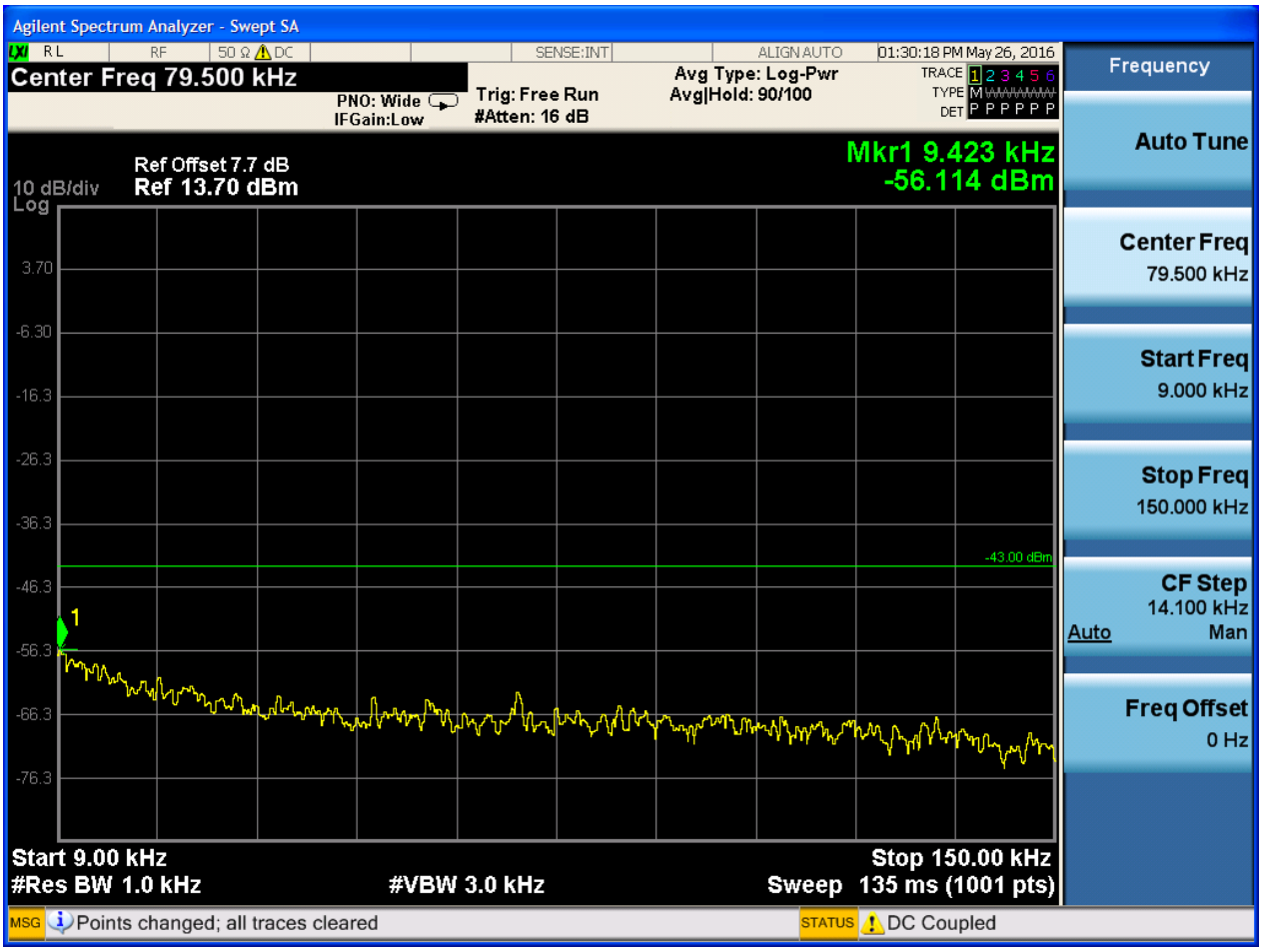
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



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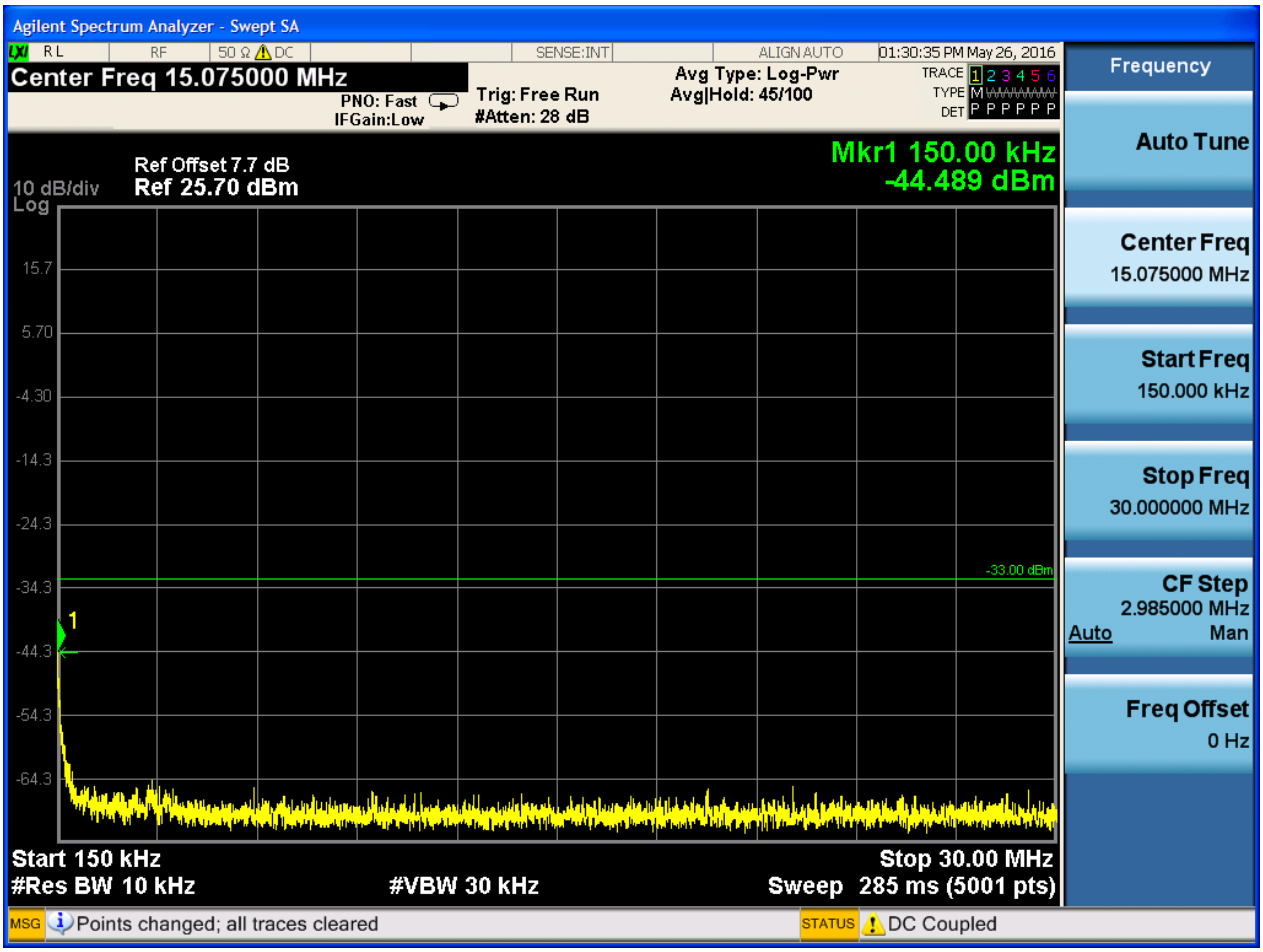

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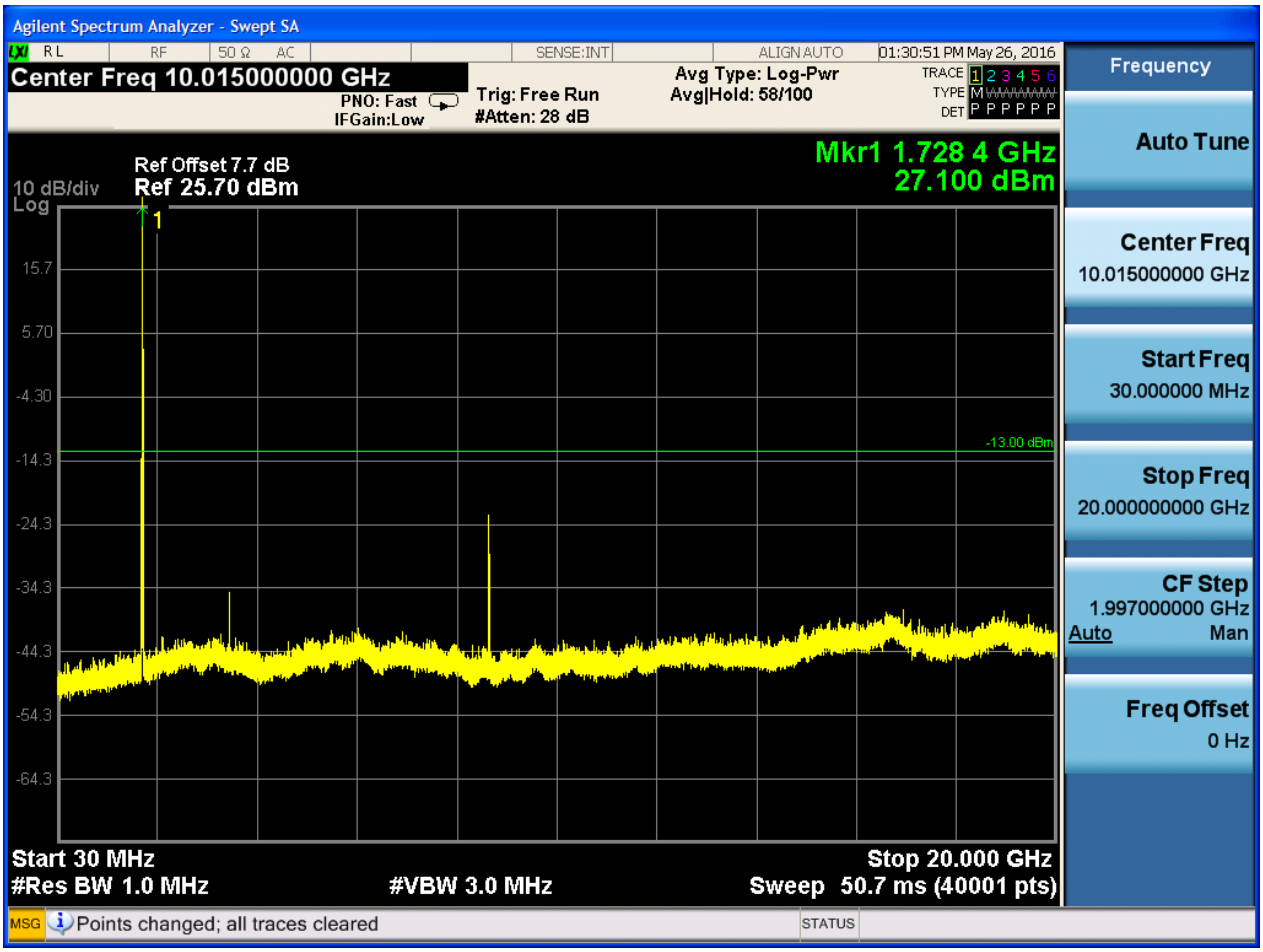

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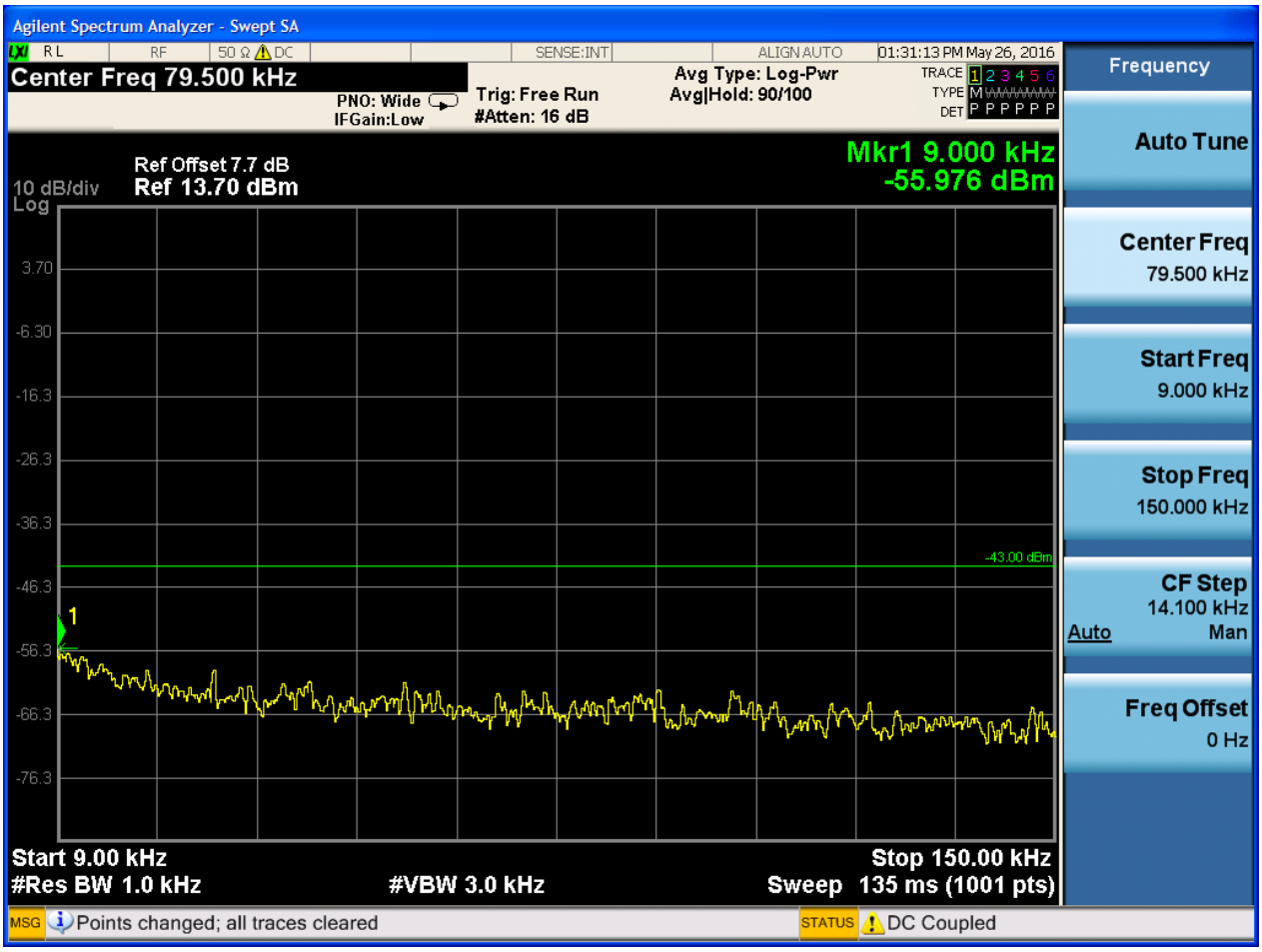
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0



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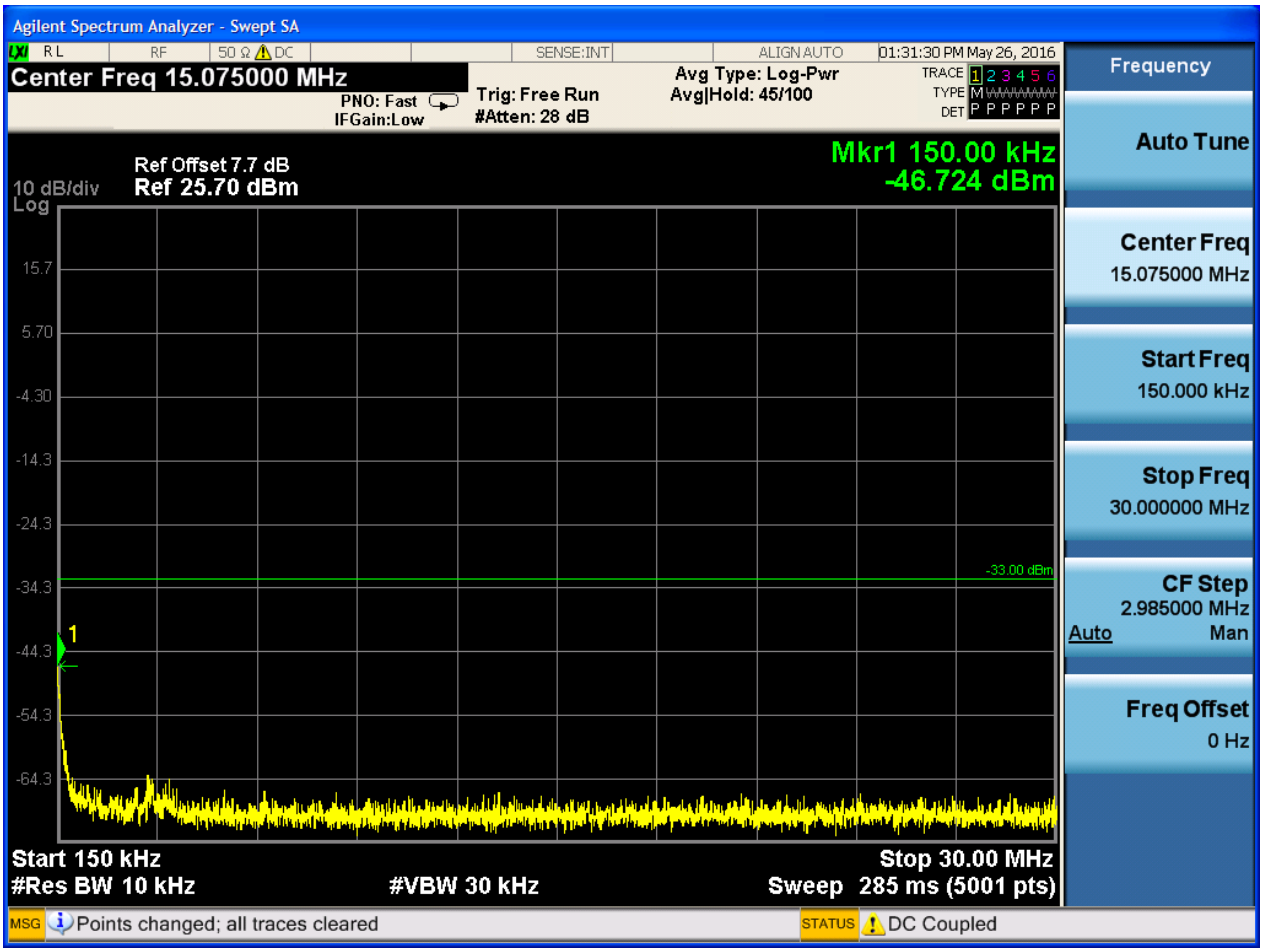

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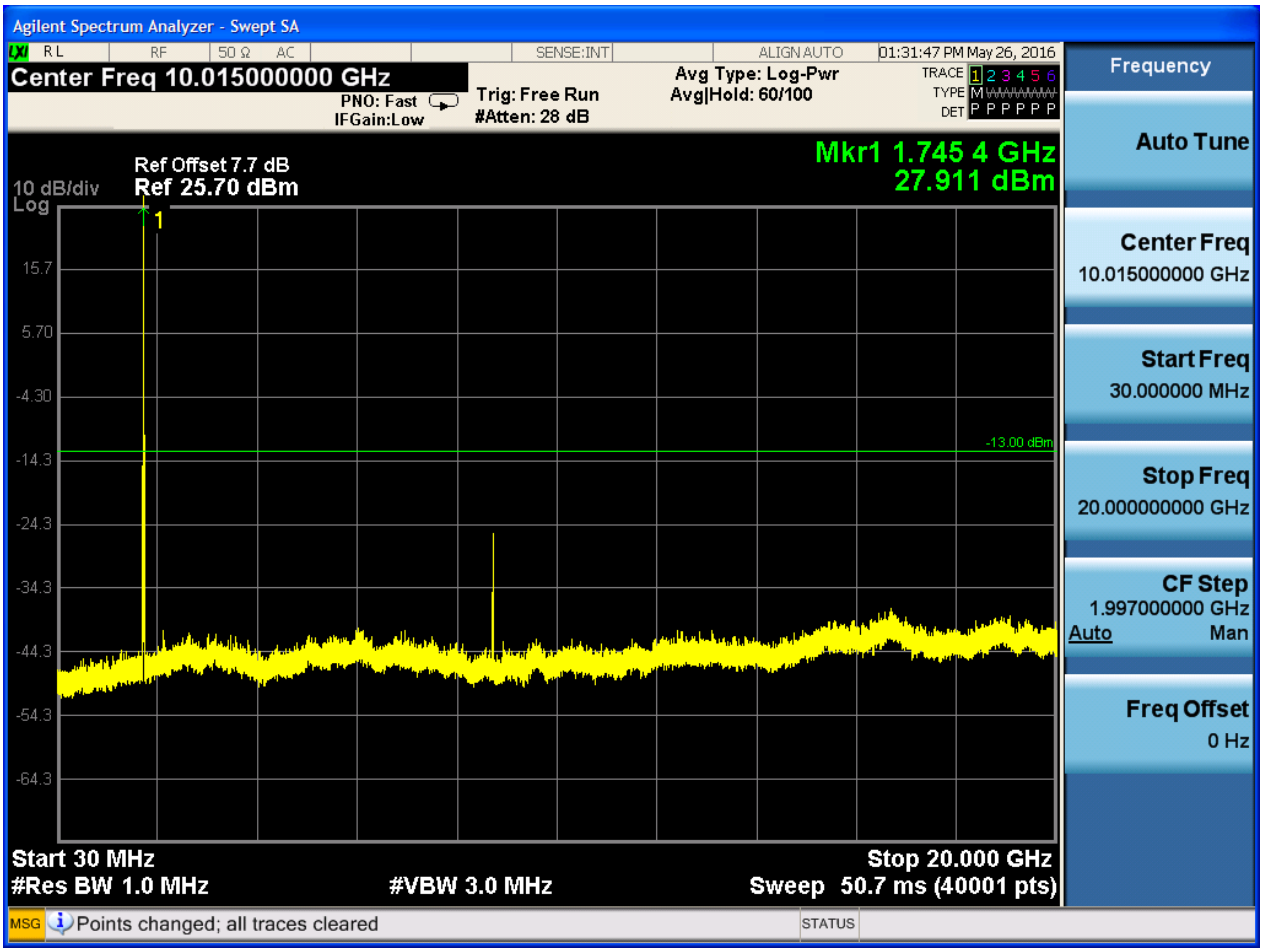
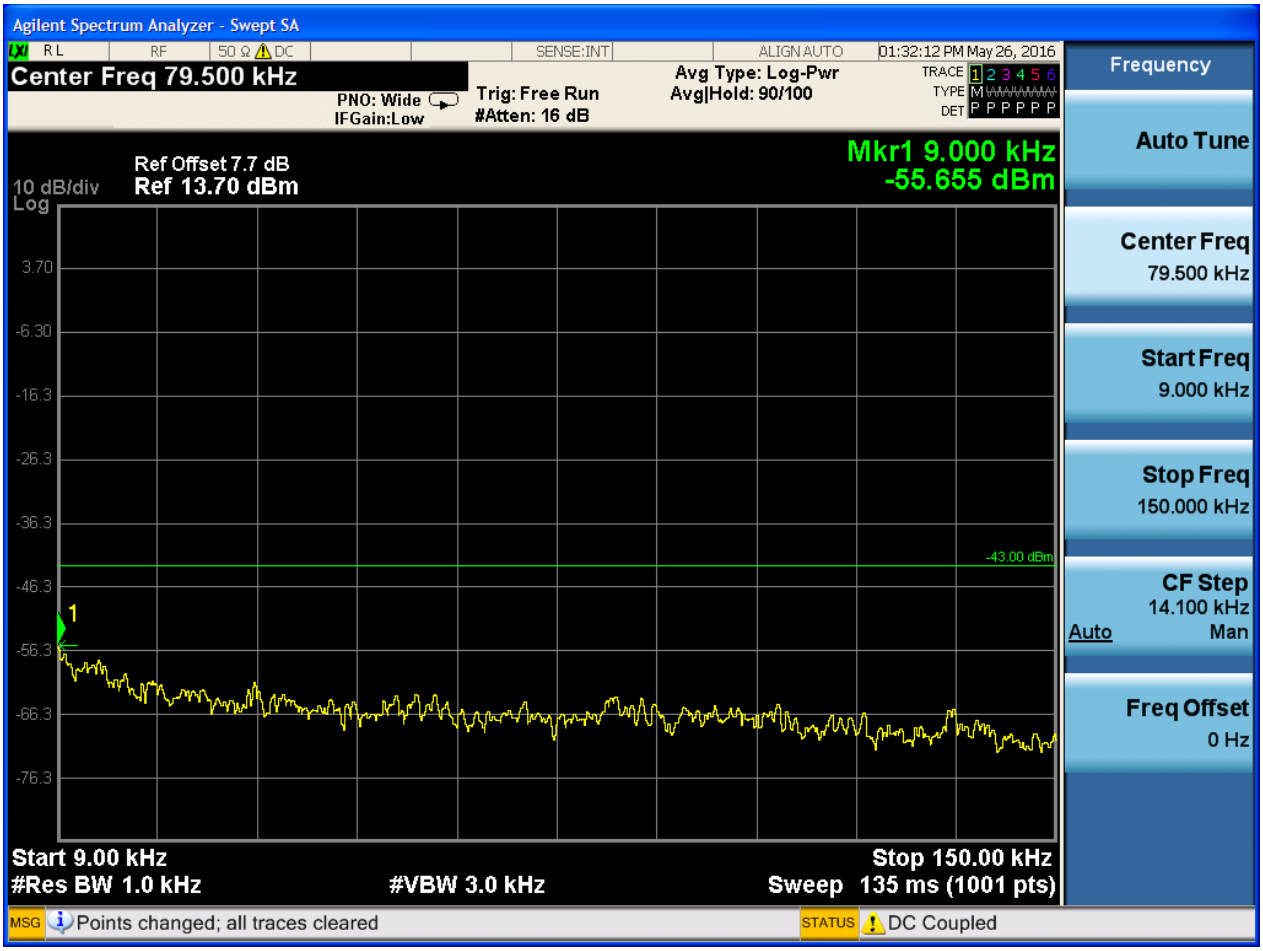

Agilent Spectrum Analyzer - Swept SA
Center Freq 10.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 60/100
01:31:47 PM May 26, 2016
Ref Offset 7.7 dB
10 dB/div
Log
Ref 25.70 dBm
Mkr1 1.745 4 GHz
27.911 dBm
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 20.000 GHz
Sweep 50.7 ms (40001 pts)
Points changed; all traces cleared
Frequency
Auto Tune
Center Freq
10.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
20.000000000 GHz
CF Step
1.997000000 GHz
Auto
Man
Freq Offset
0 Hz

6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0



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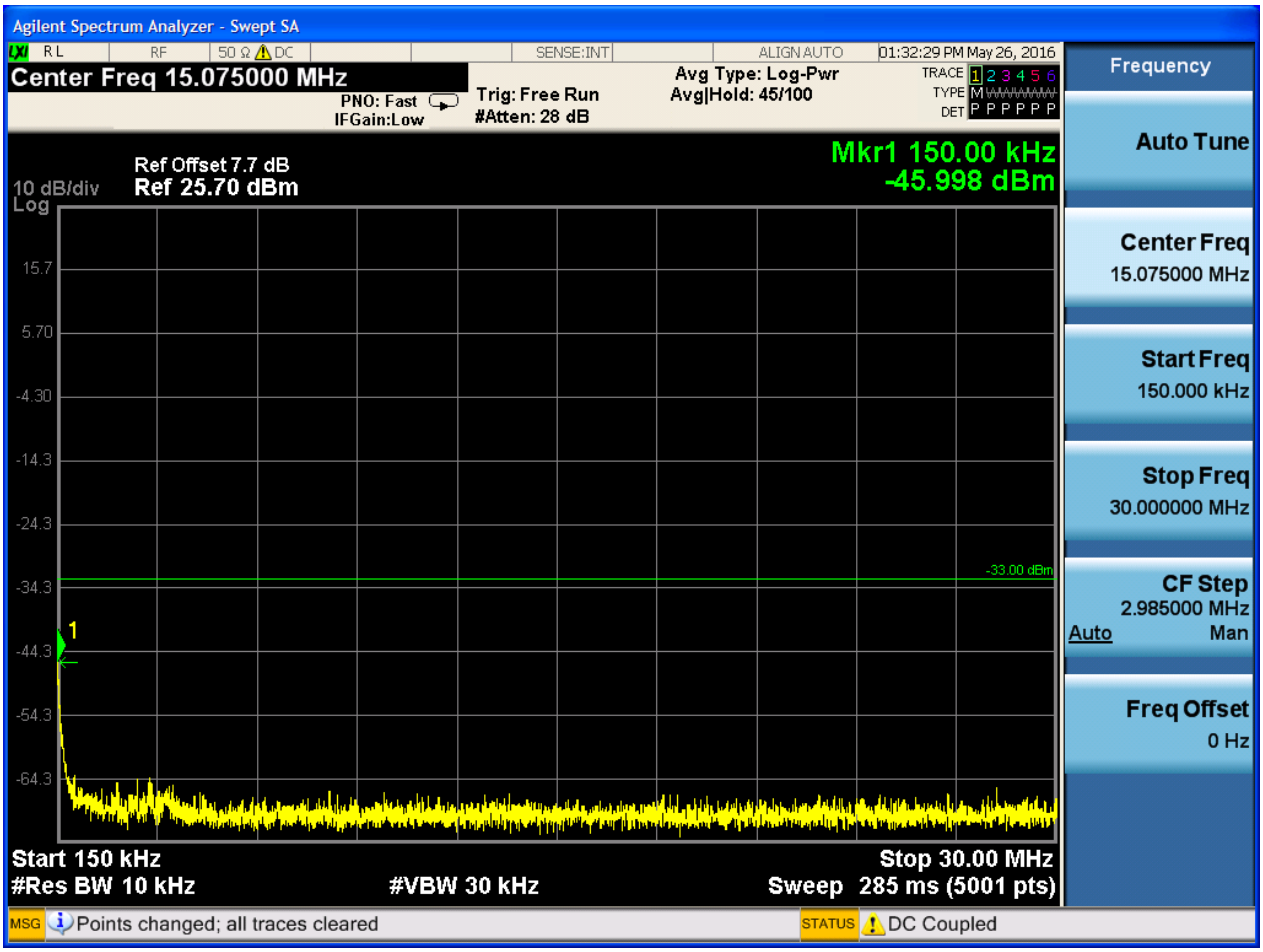

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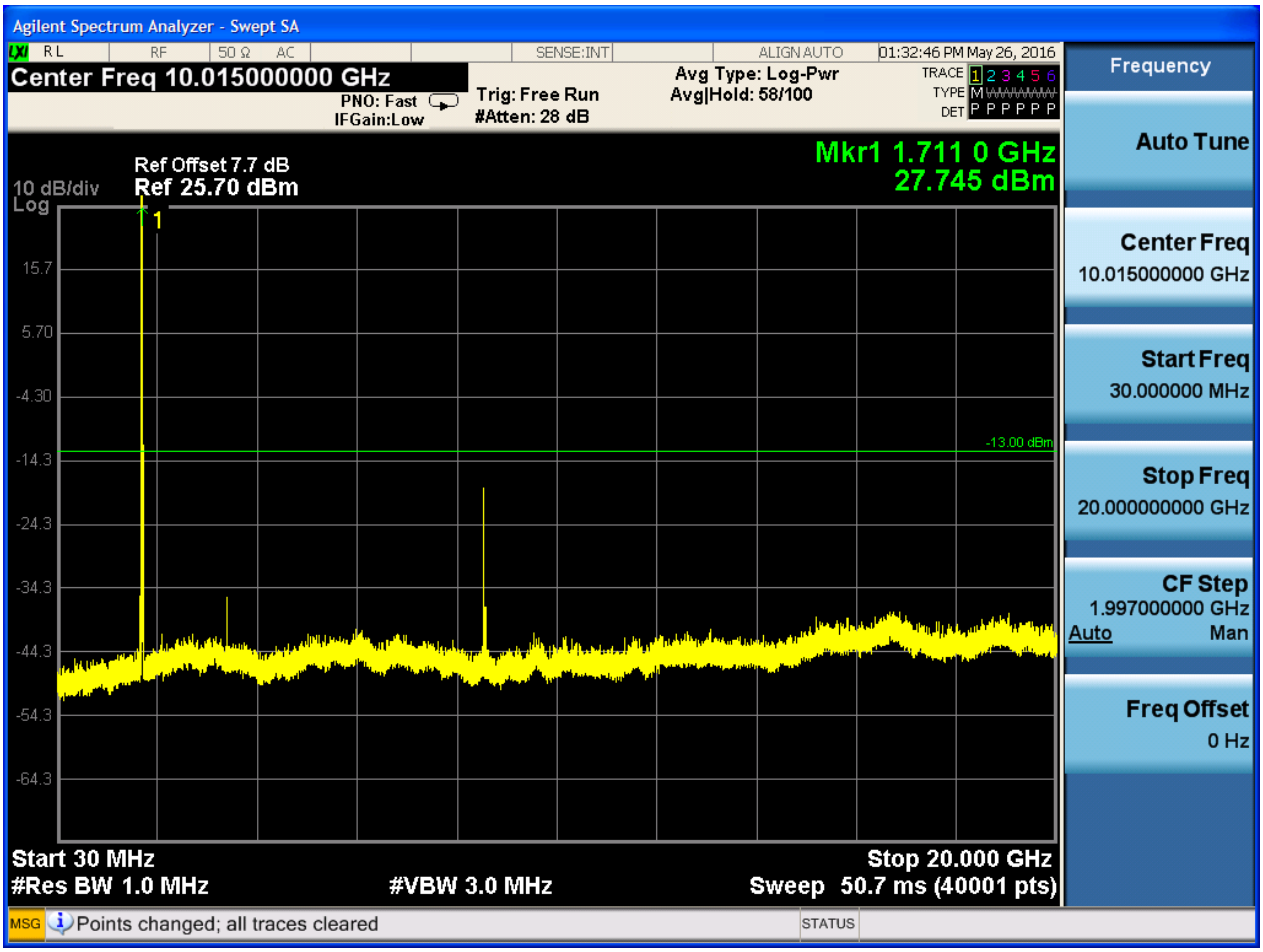
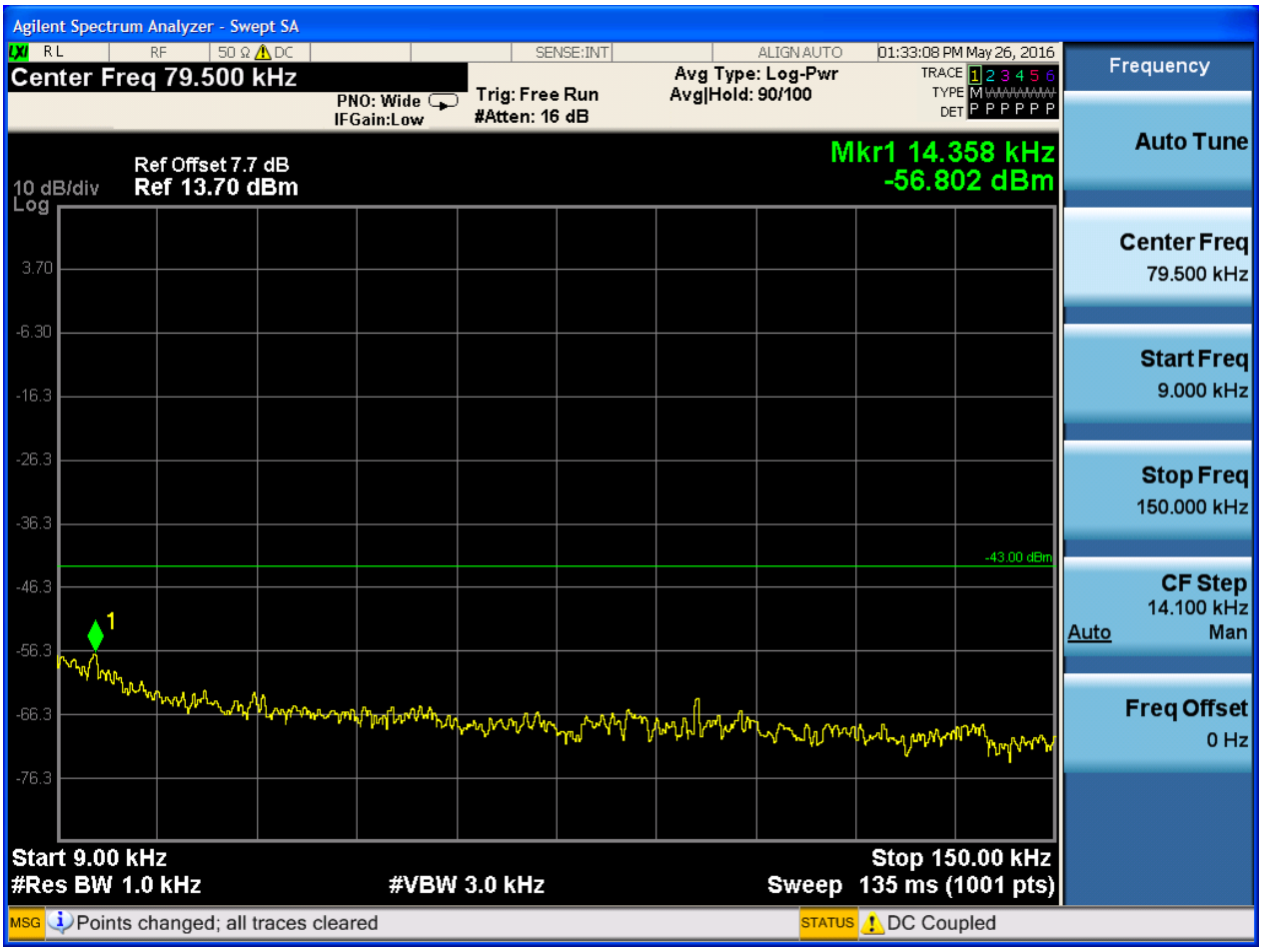

Agilent Spectrum Analyzer - Swept SA
Center Freq 10.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 58/100
01:32:46 PM May 26, 2016
Ref Offset 7.7 dB
10 dB/div
Log
Ref 25.70 dBm
Mkr1 1.711 0 GHz
27.745 dBm
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 20.000 GHz
Sweep 50.7 ms (40001 pts)
Points changed; all traces cleared
Frequency
Auto Tune
Center Freq
10.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
20.000000000 GHz
CF Step
1.997000000 GHz
Auto
Man
Freq Offset
0 Hz

6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0



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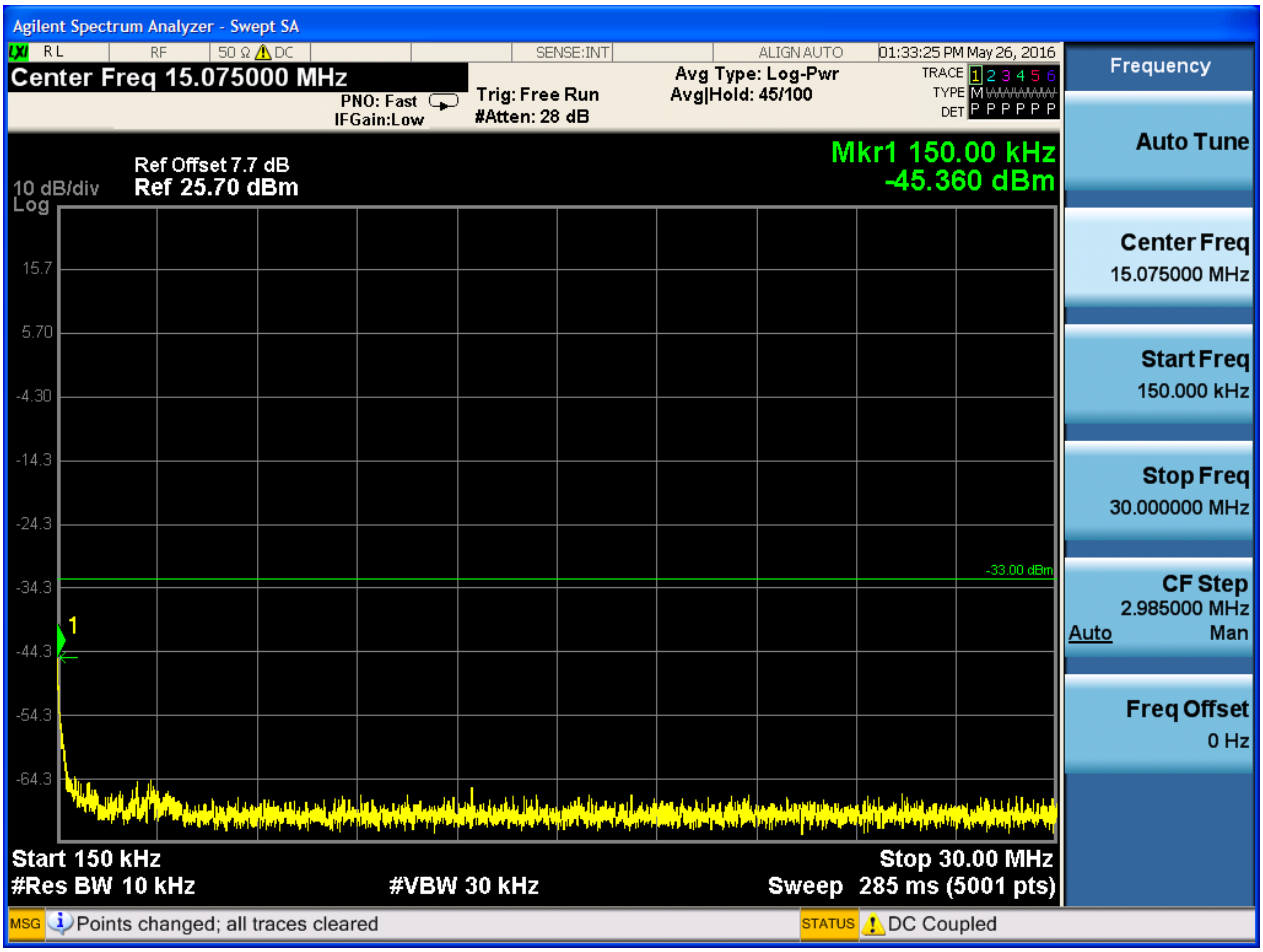

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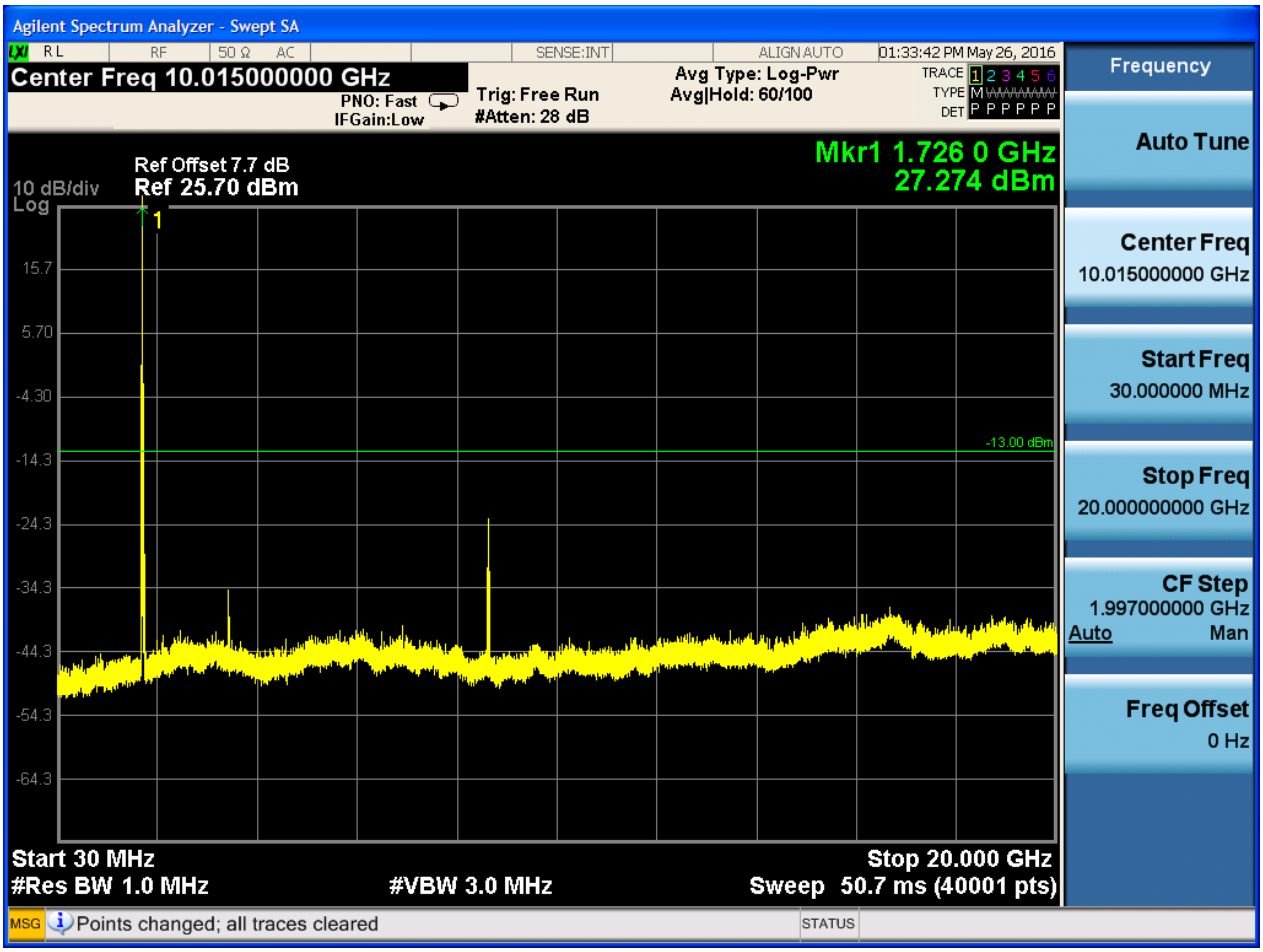

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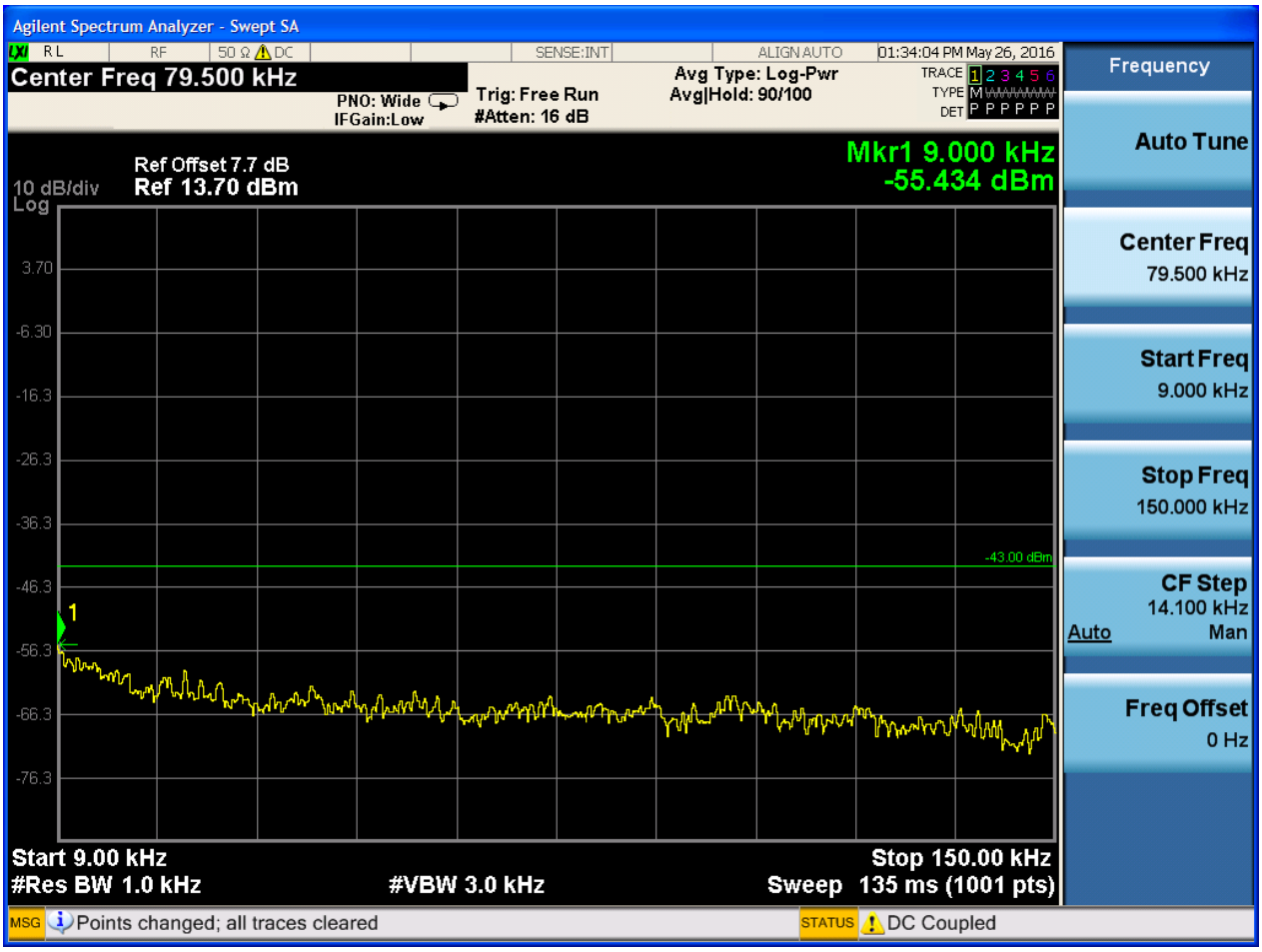
6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0



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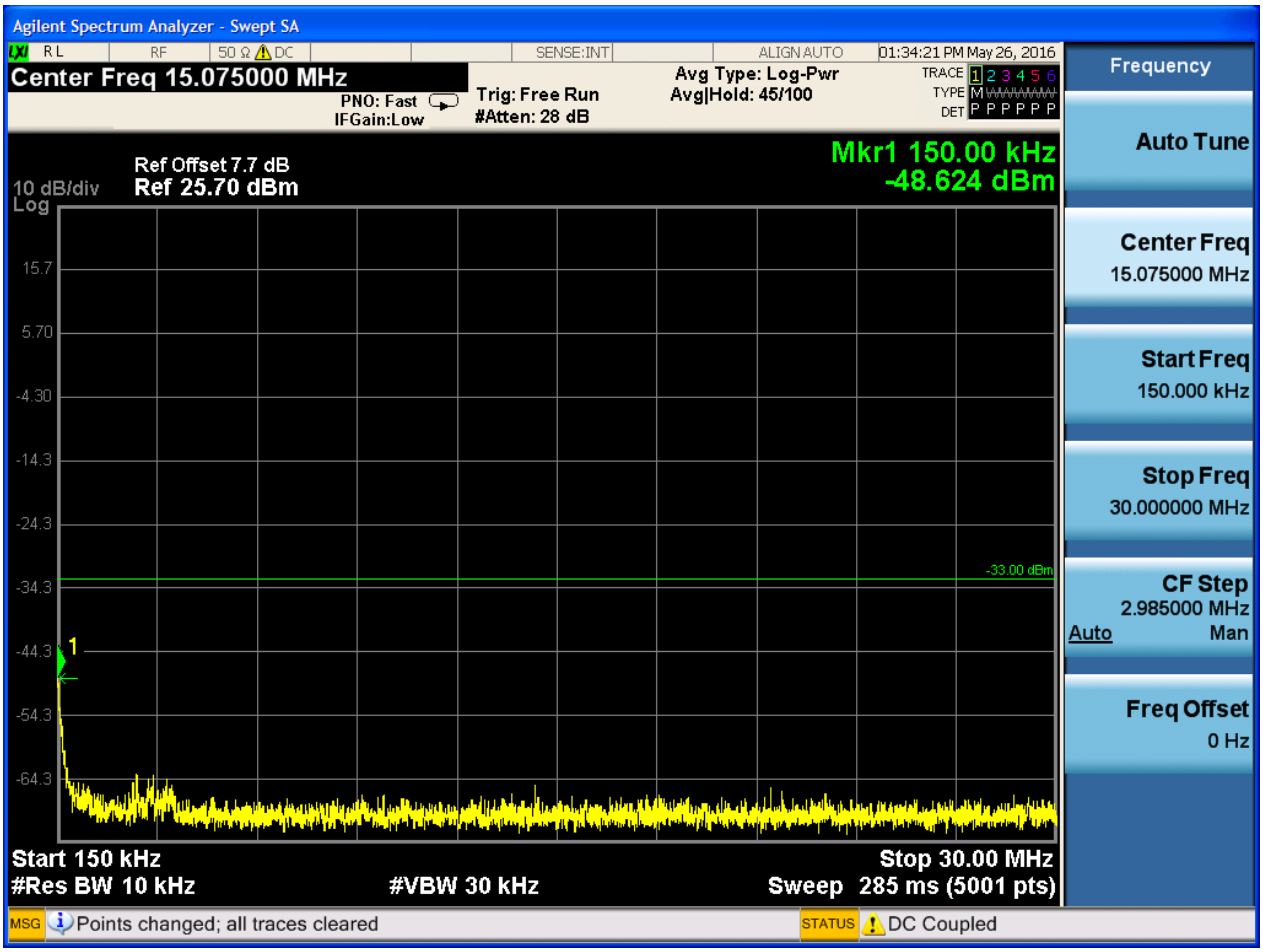

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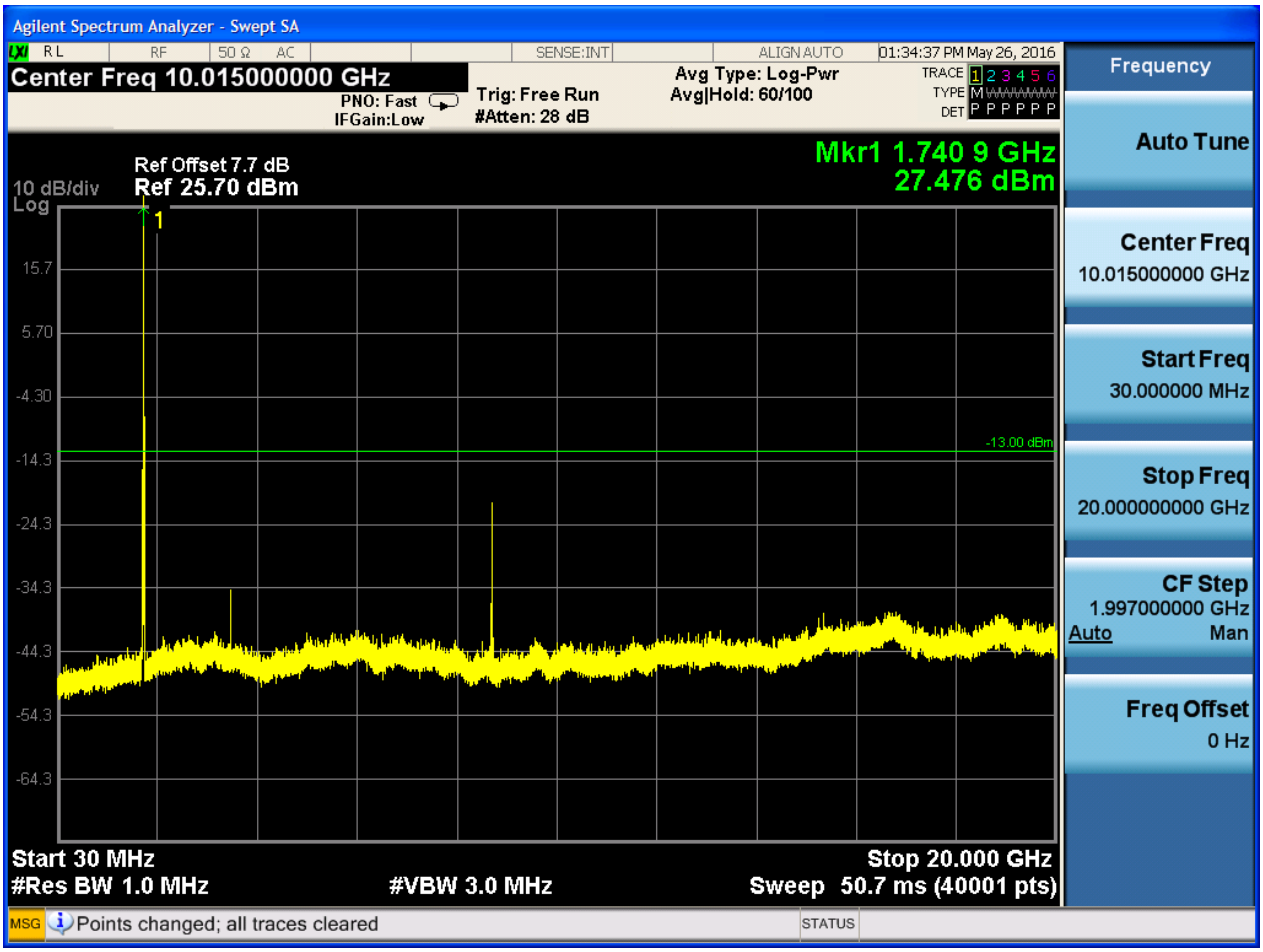

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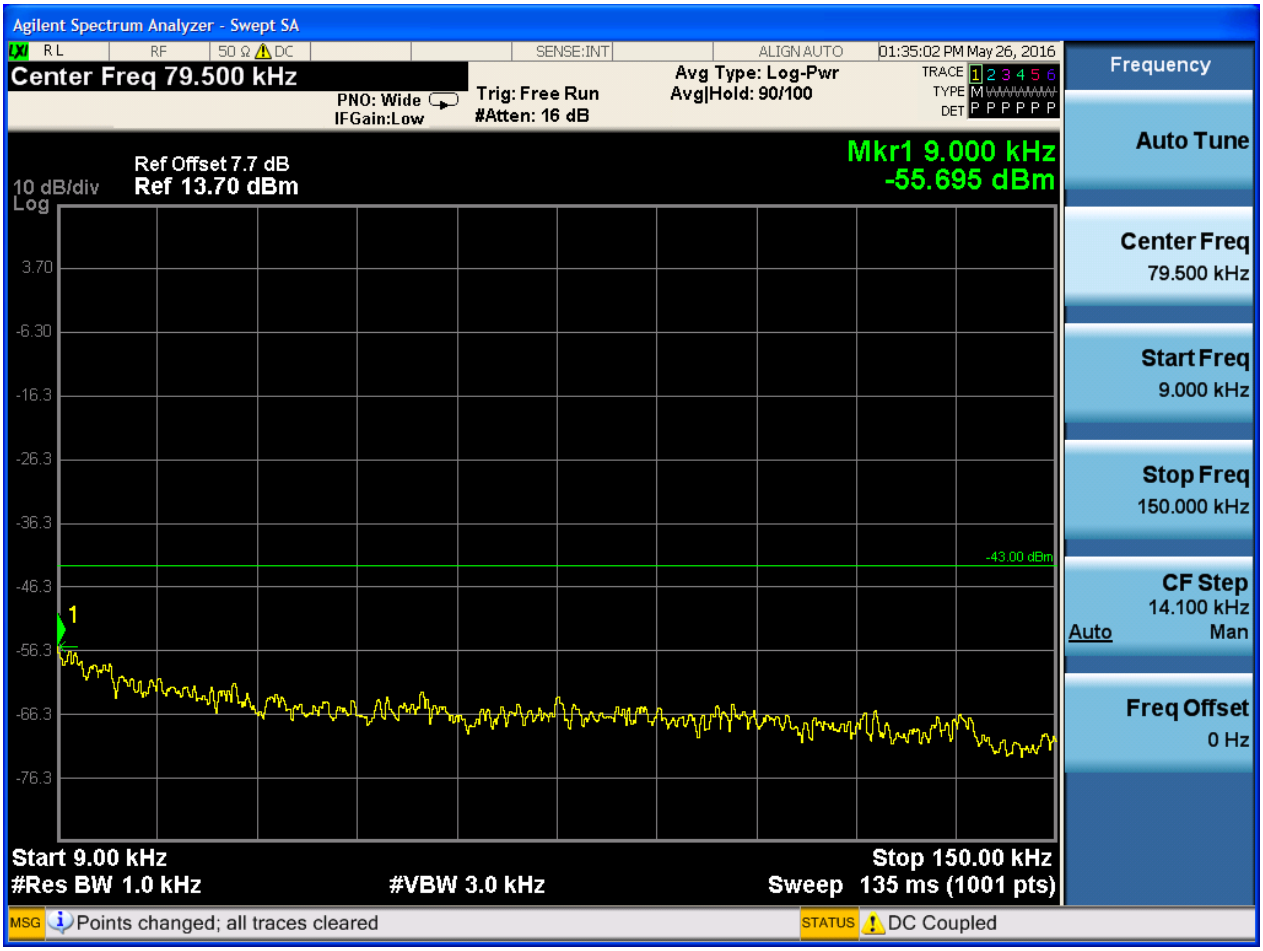
6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0



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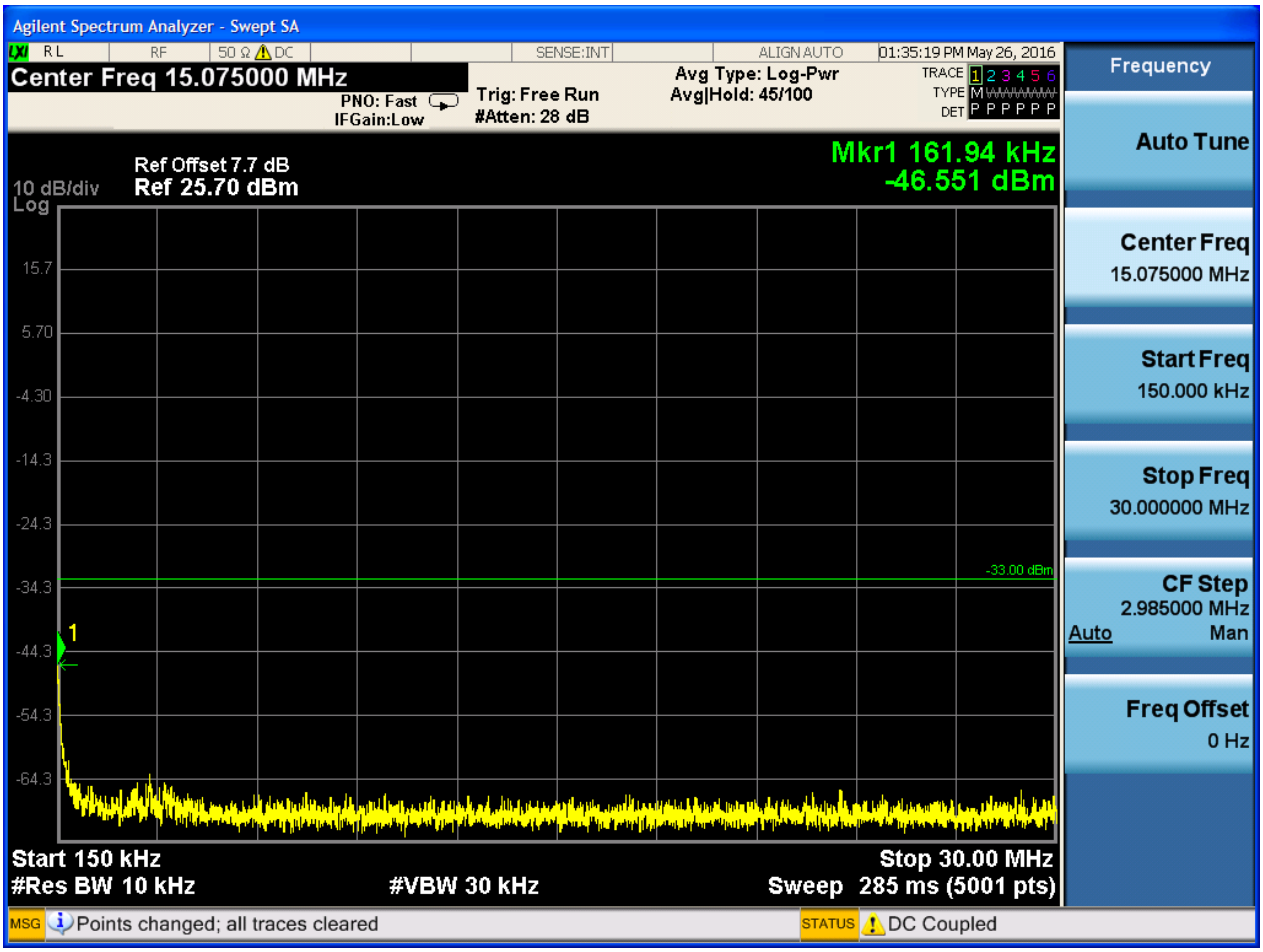

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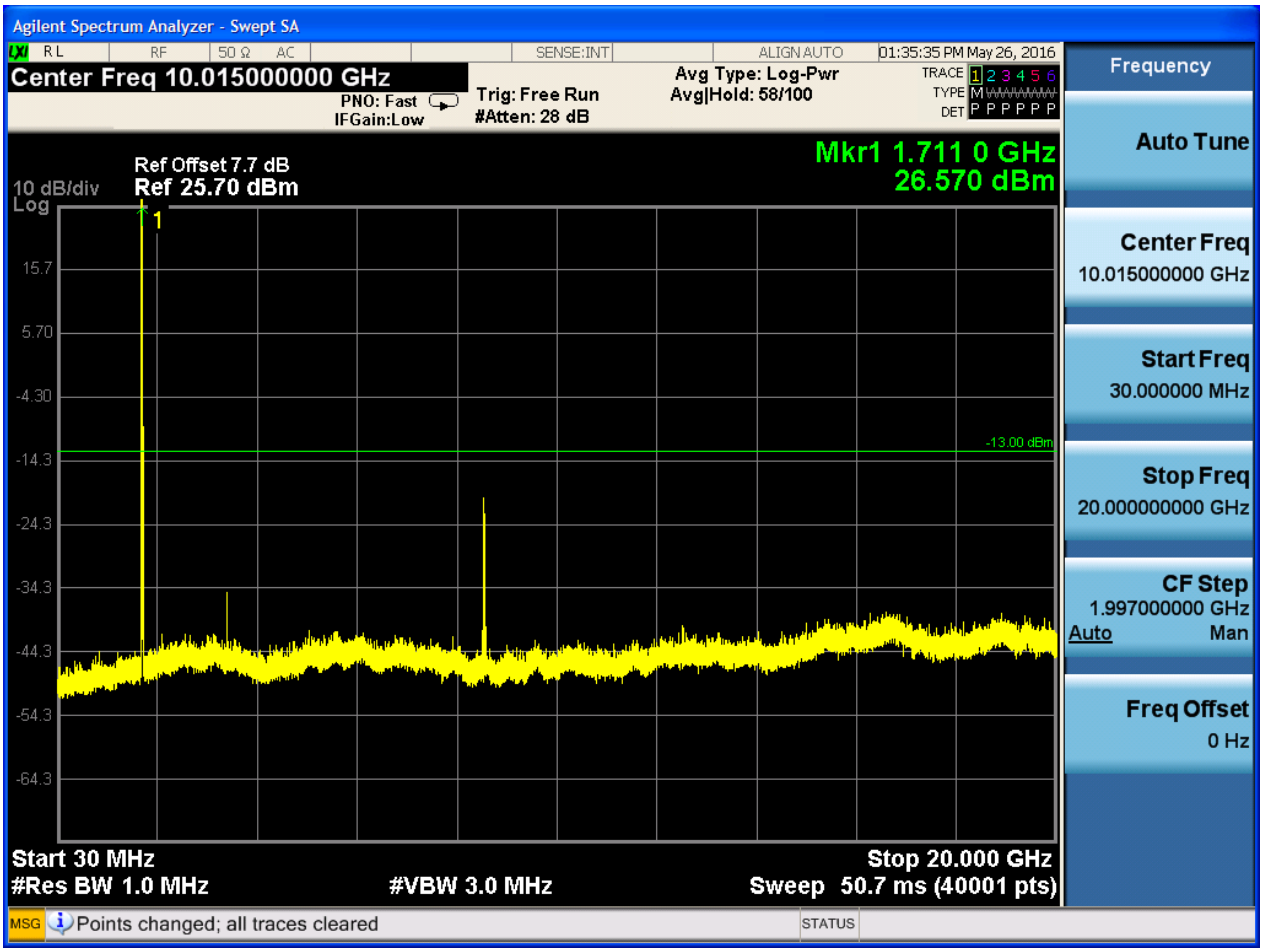

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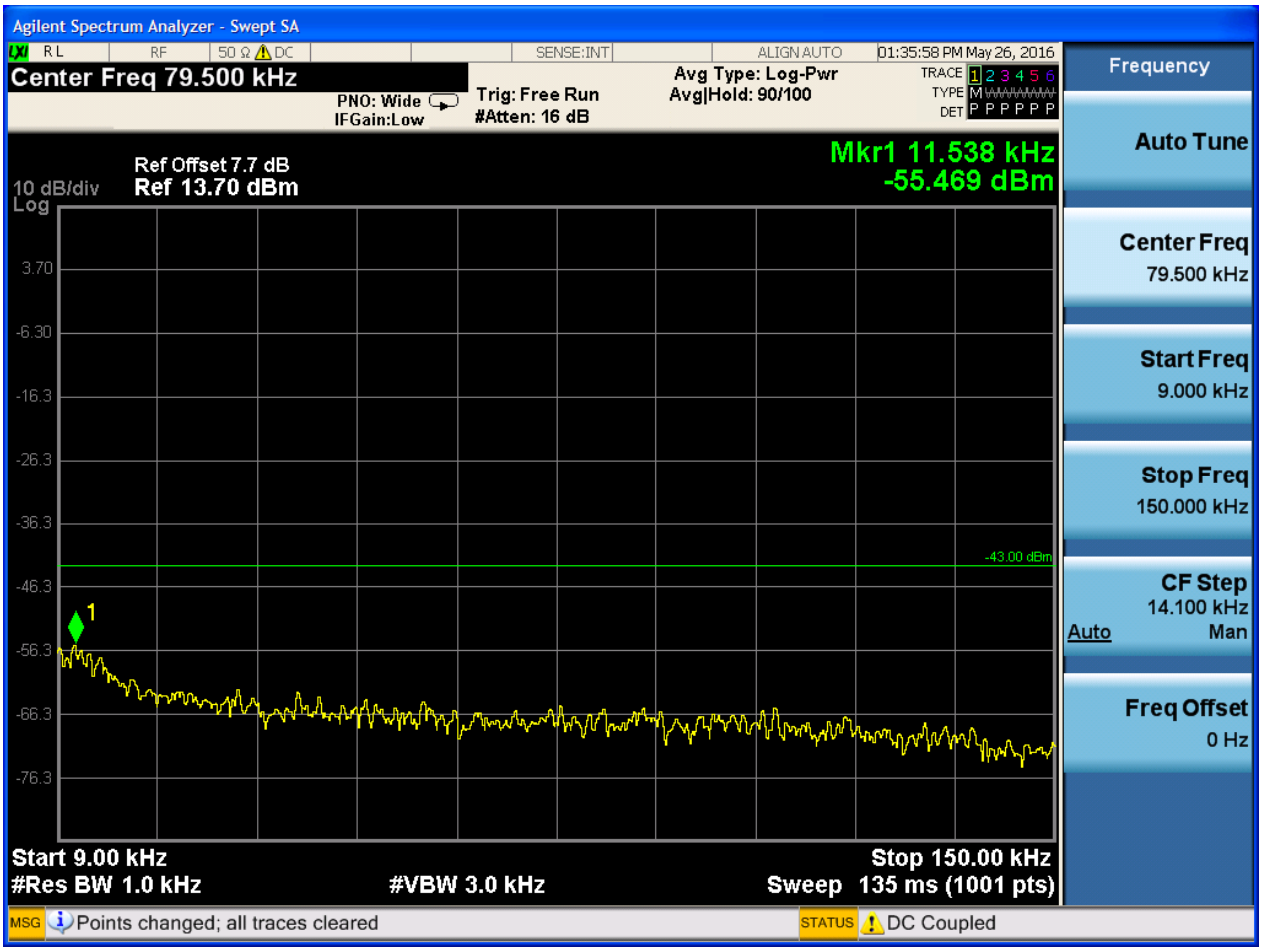
6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0



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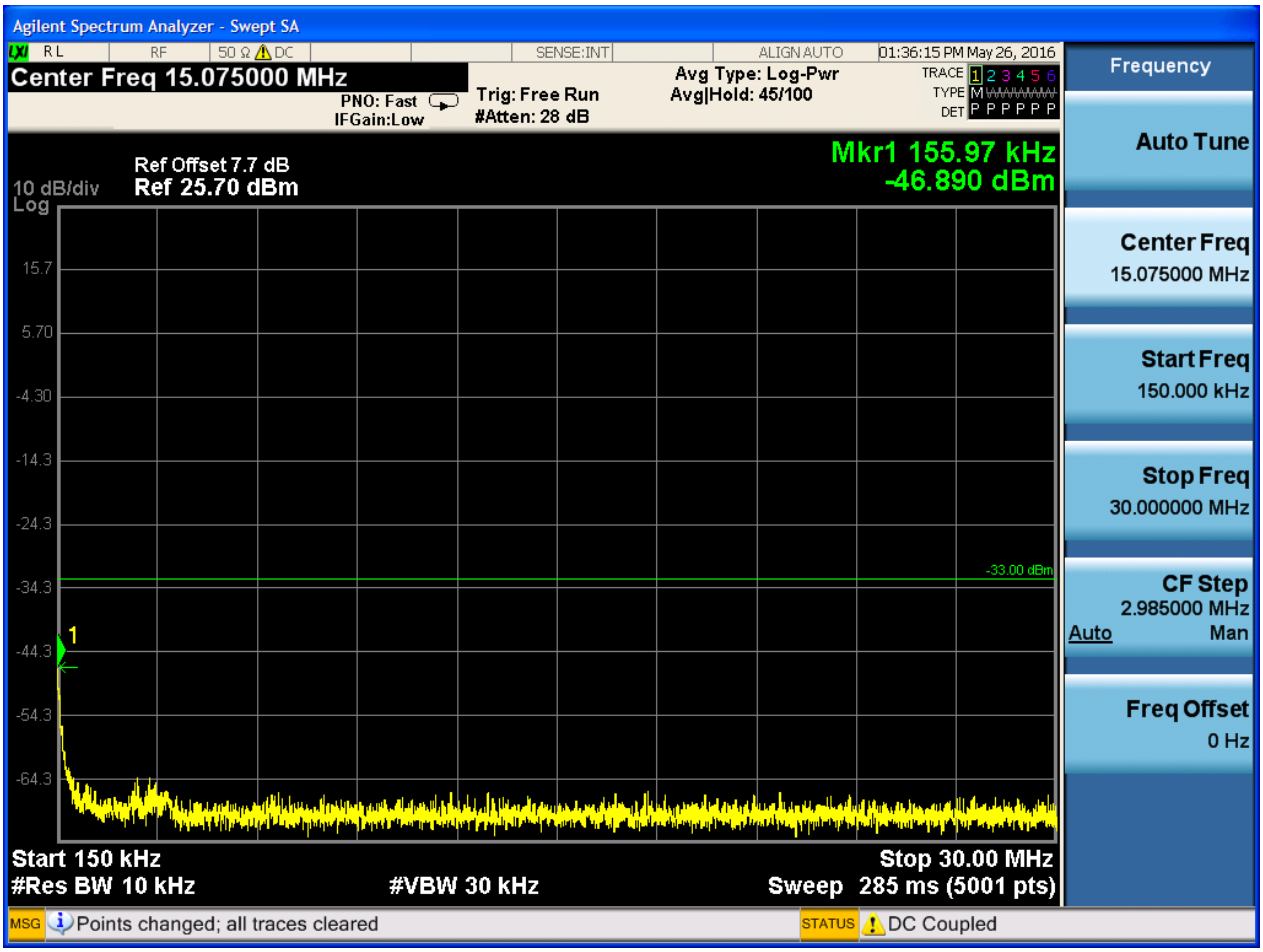

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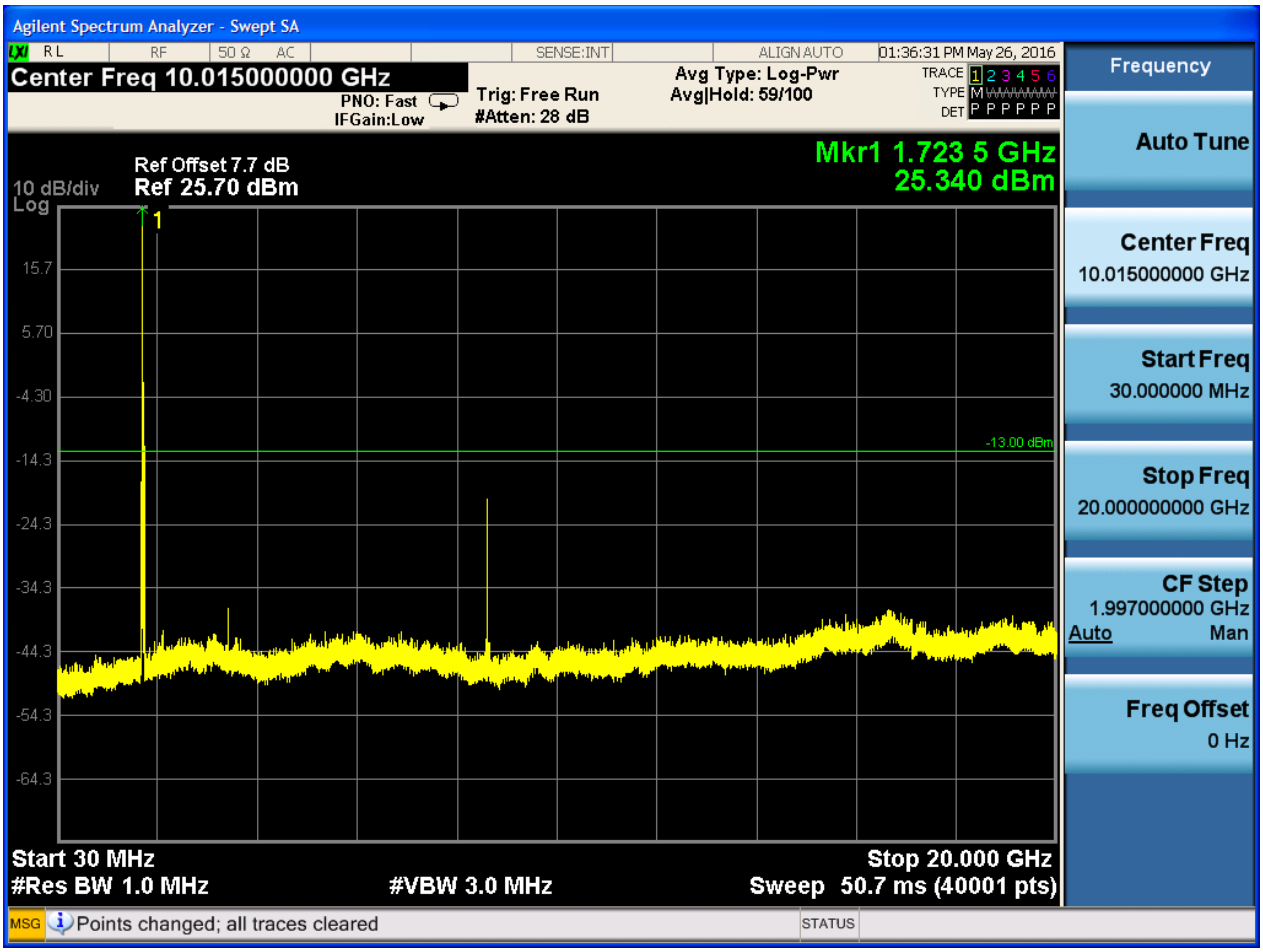
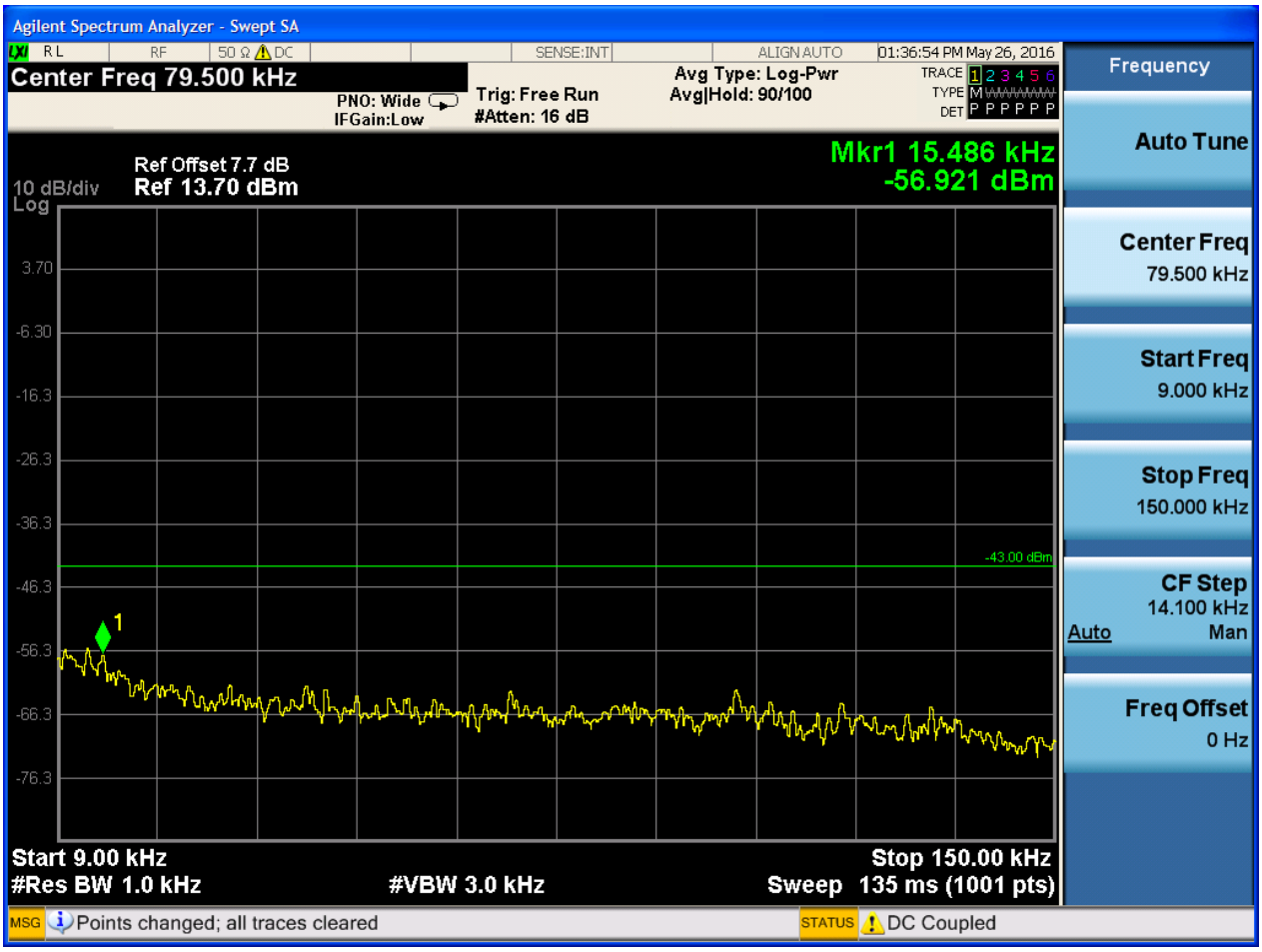

Agilent Spectrum Analyzer - Swept SA
Center Freq 10.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 59/100
01:36:31 PM May 26, 2016
Ref Offset 7.7 dB
10 dB/div
Ref 25.70 dBm
Log
Mkr1 1.723 5 GHz
25.340 dBm
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 20.000 GHz
Sweep 50.7 ms (40001 pts)
Points changed; all traces cleared
Frequency
Auto Tune
Center Freq
10.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
20.000000000 GHz
CF Step
1.997000000 GHz
Auto
Man
Freq Offset
0 Hz

6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 Test RB = RB1#0



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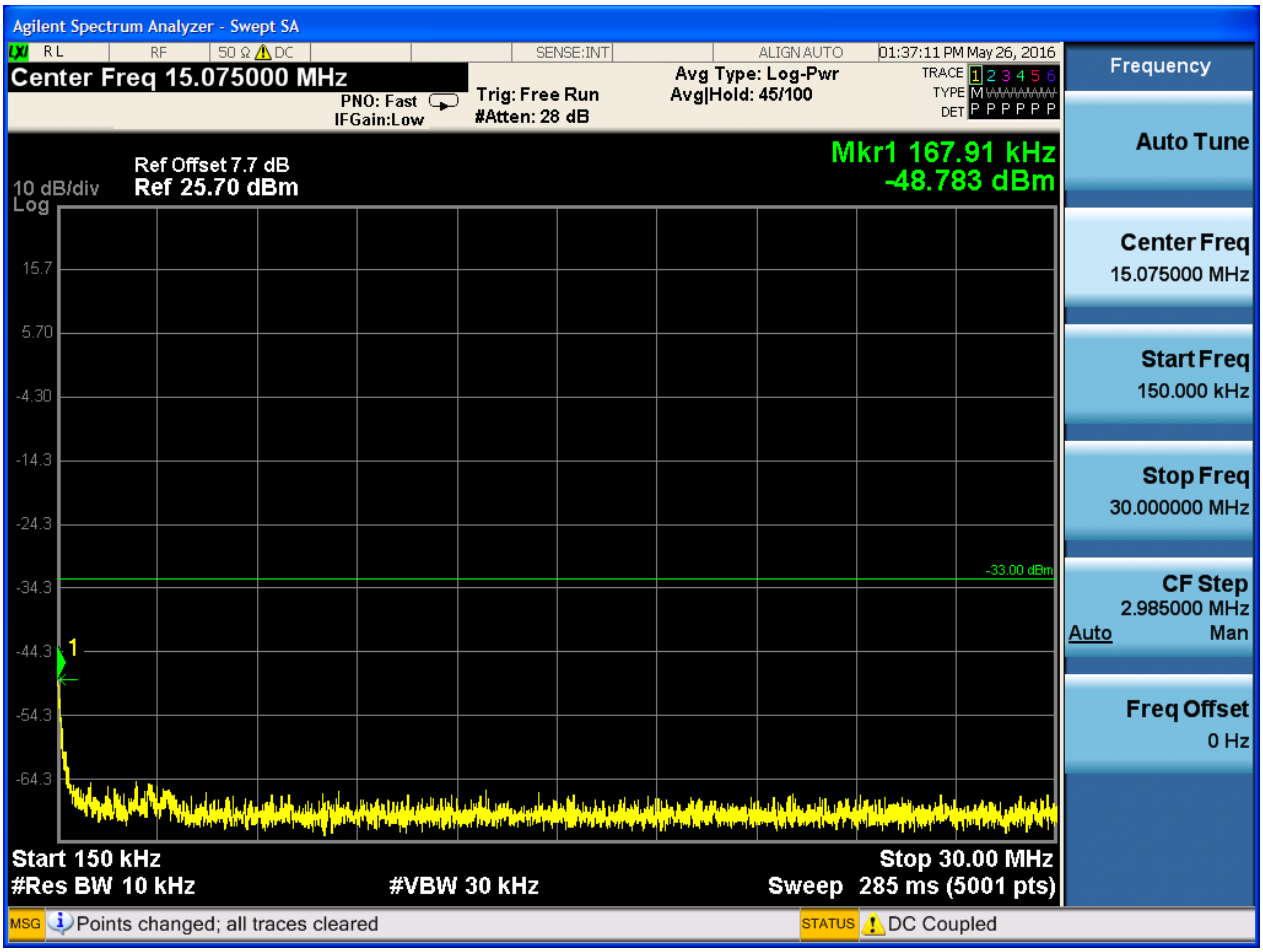

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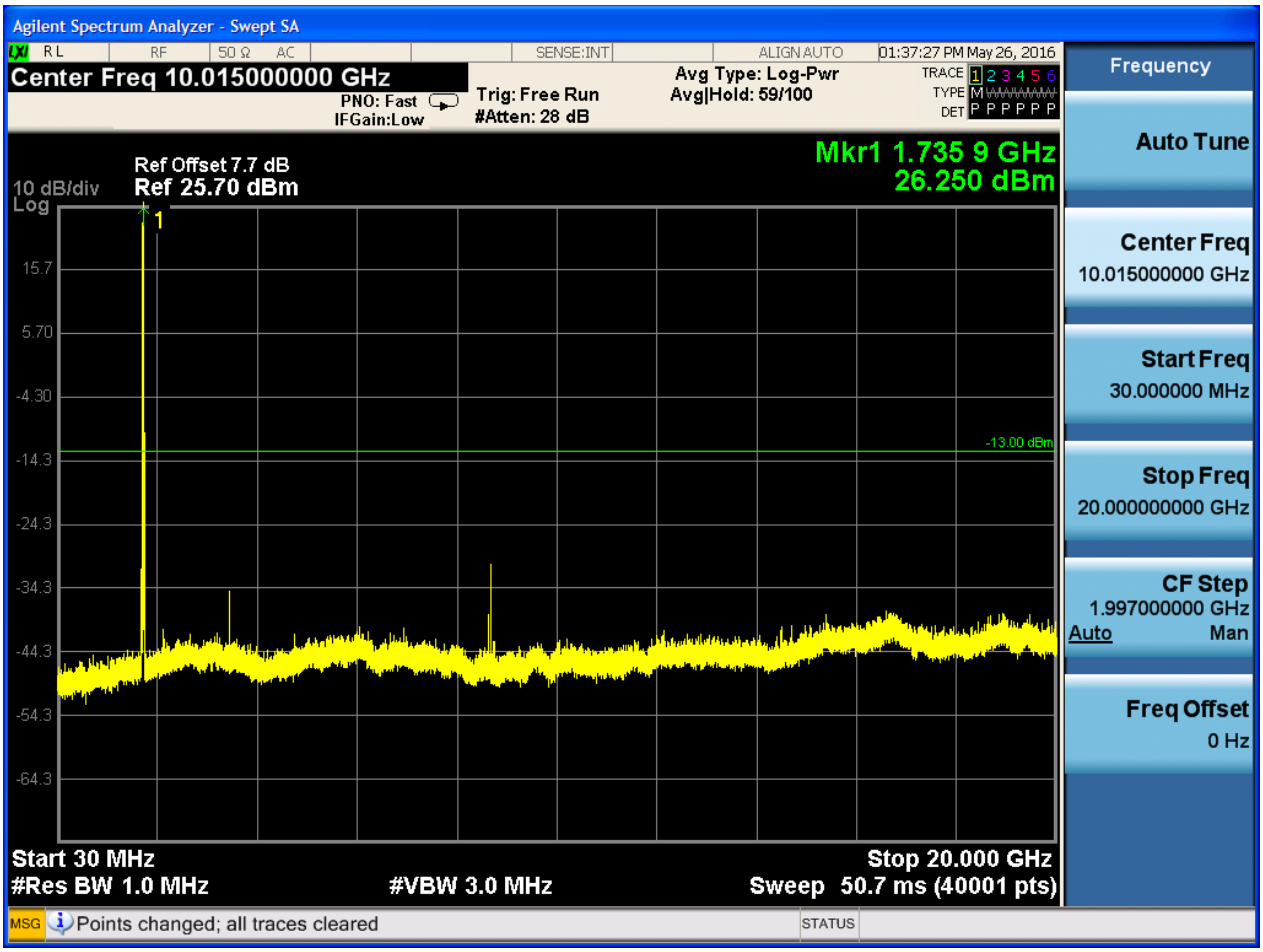

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7Appendix_G: Field Strength of Spurious Radiation

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

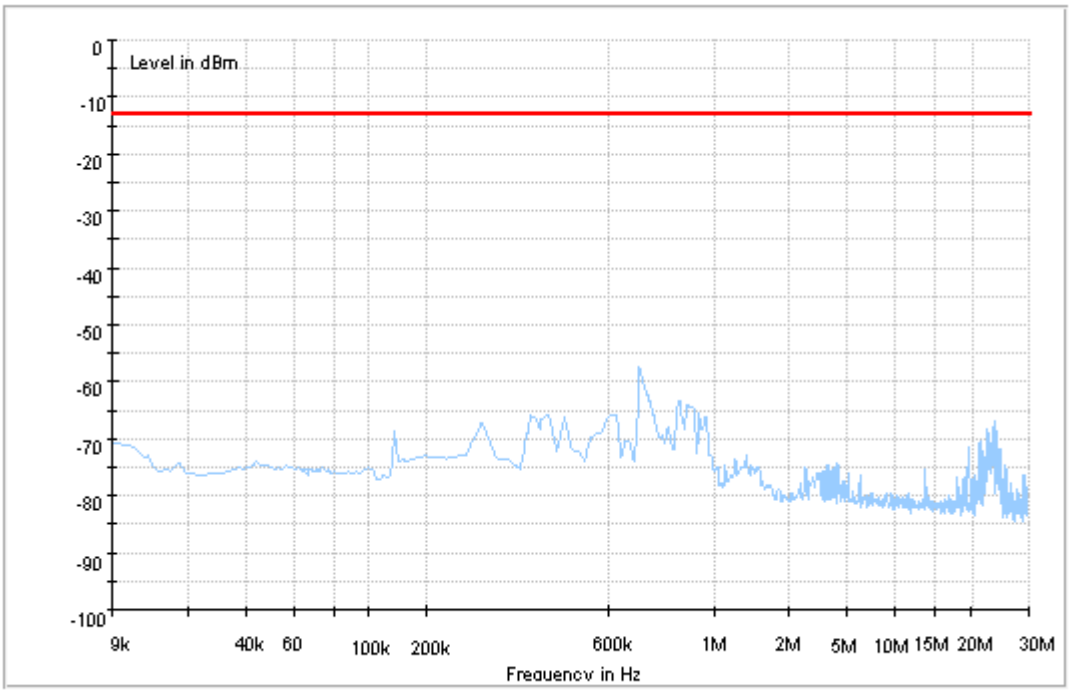
We tested all modes, but the data presented below is the worst case.

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND4_Ant1

7.1.1.1 Test Bandwidth = 1.4



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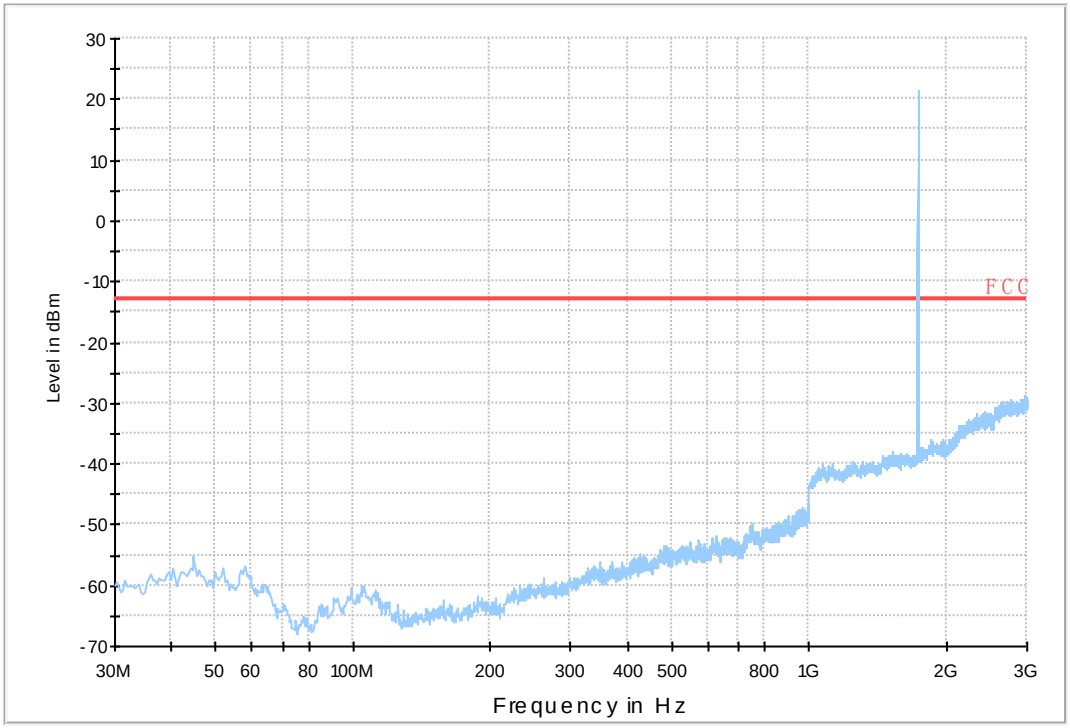
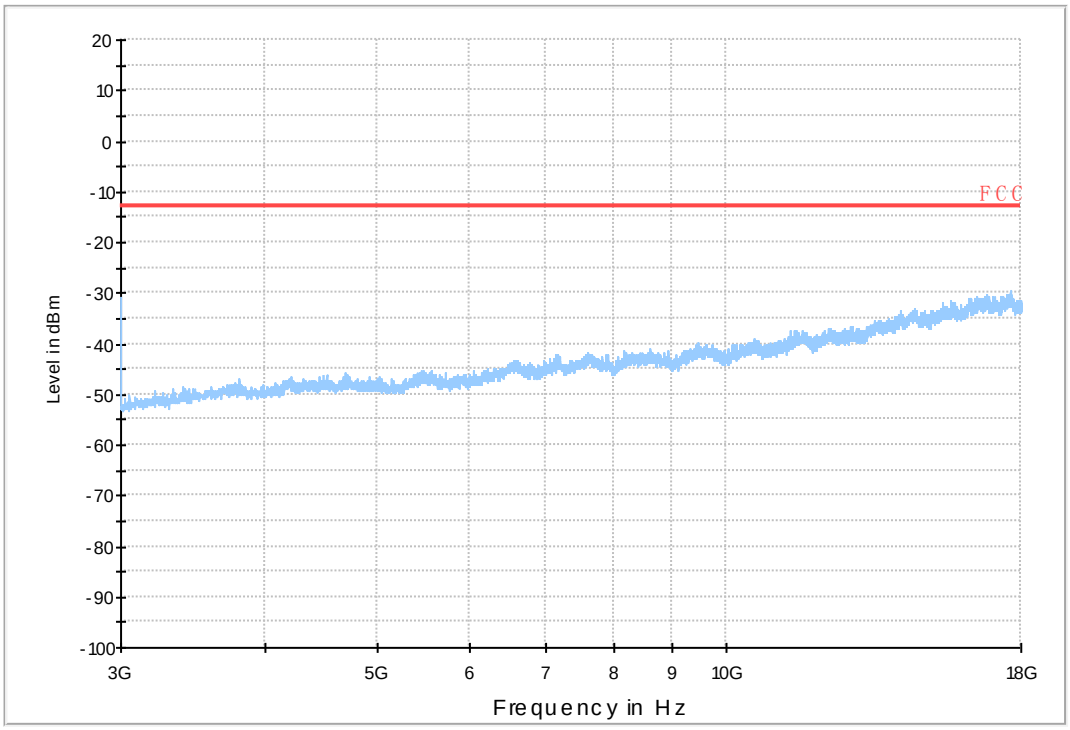
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



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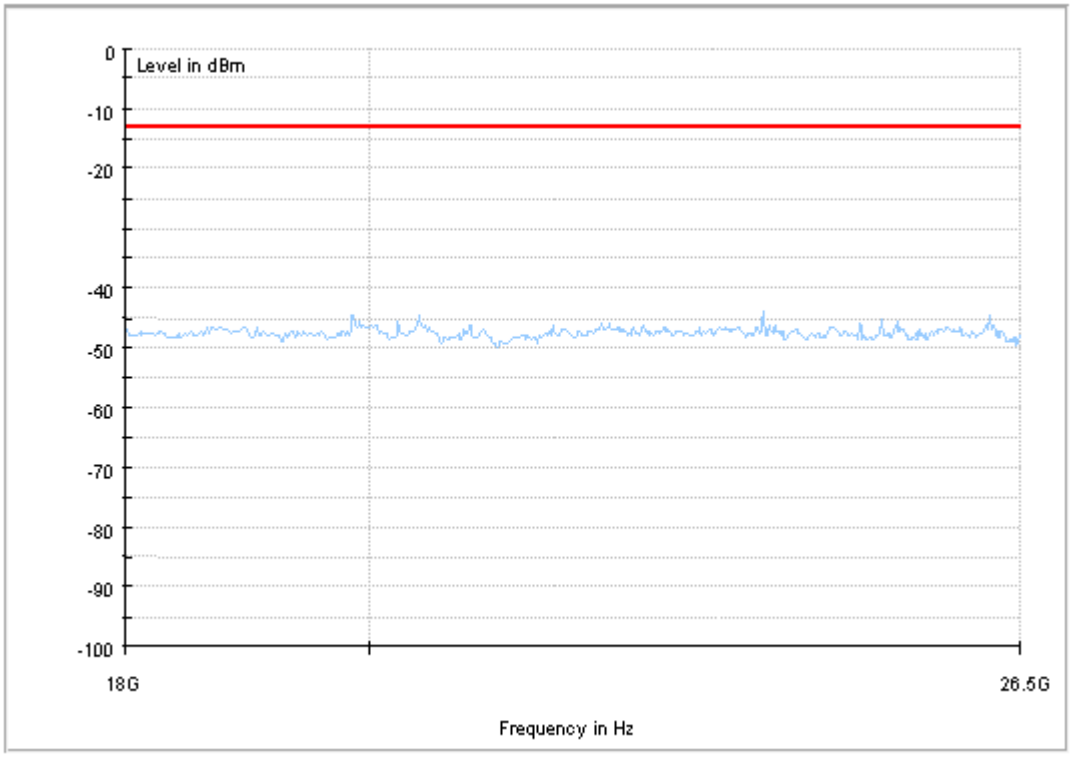

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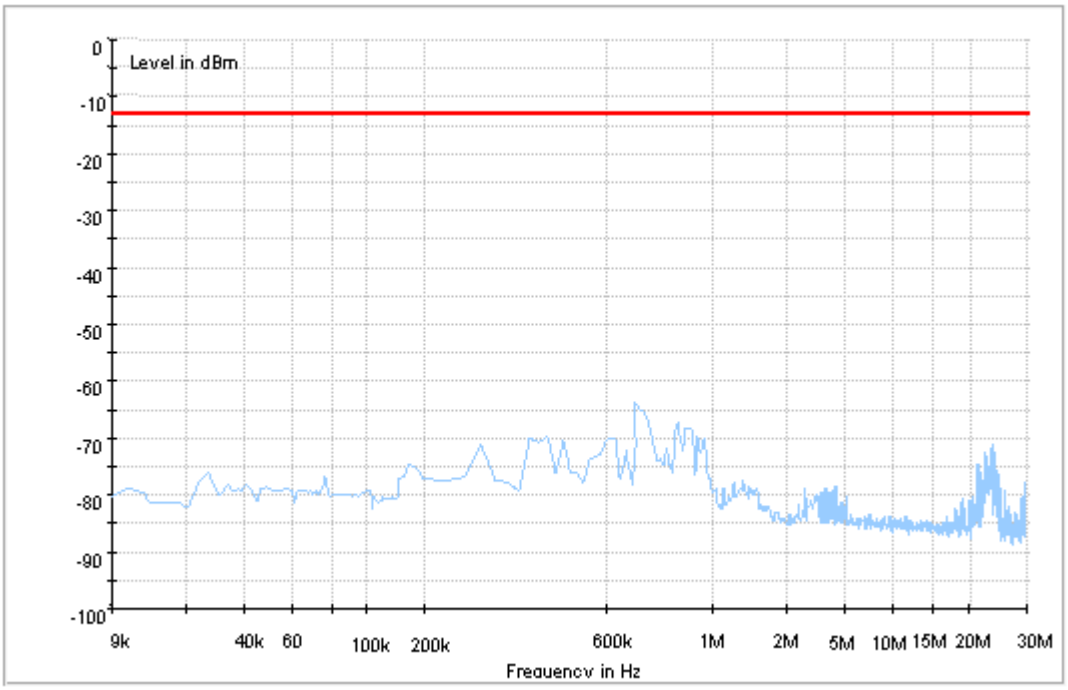
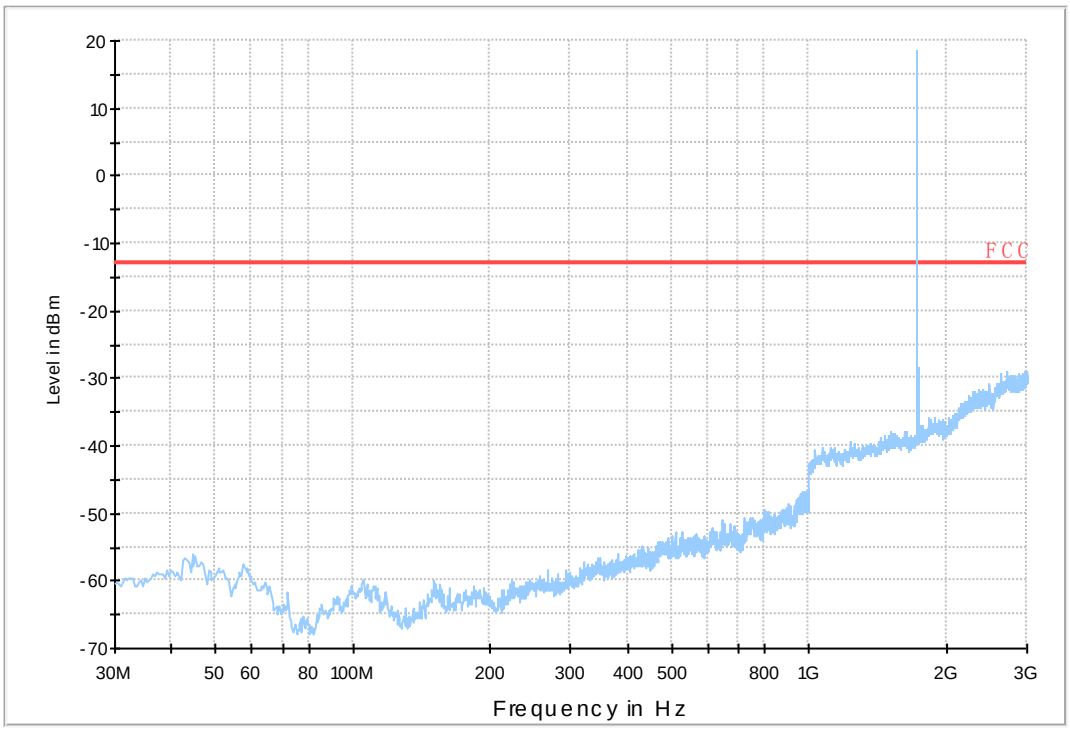
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



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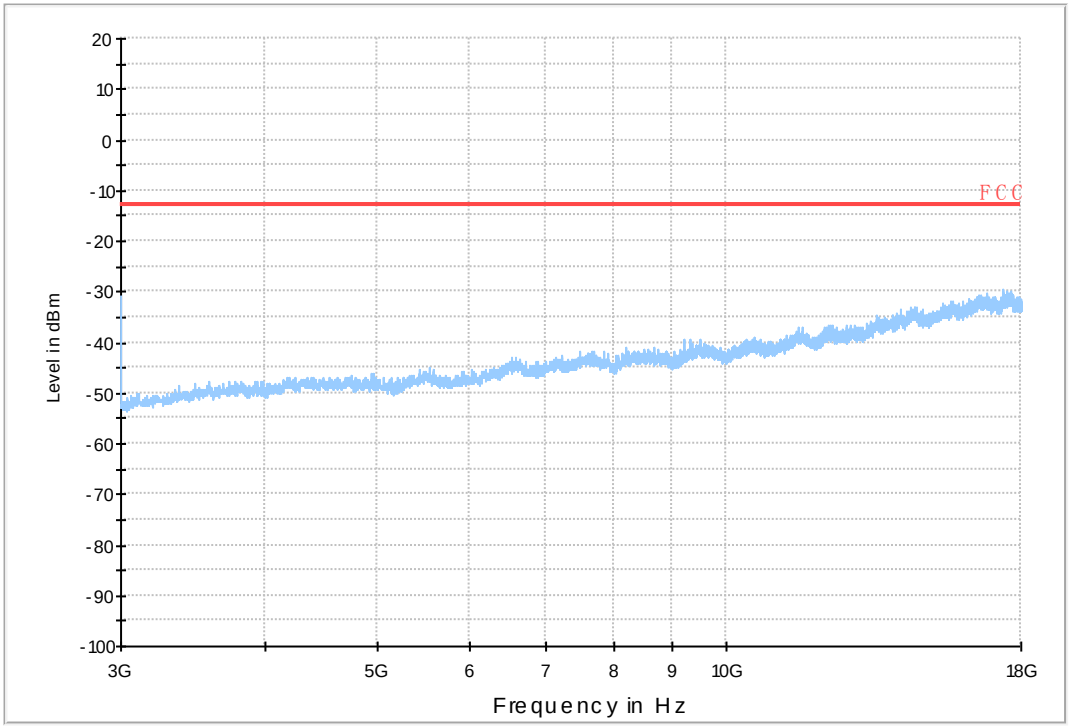
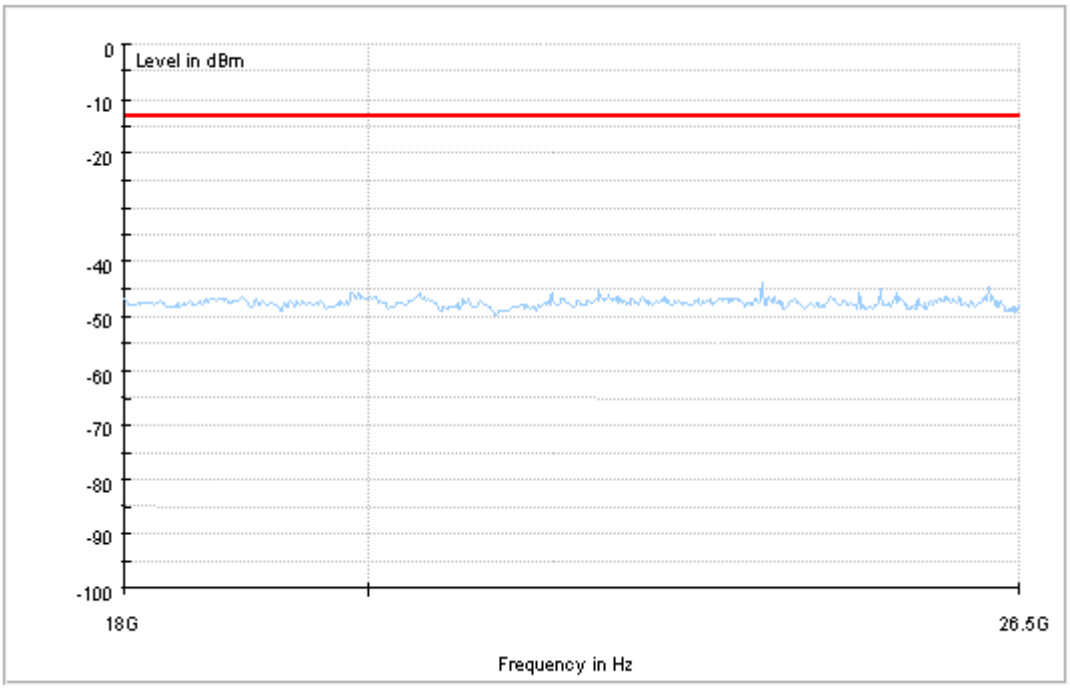
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





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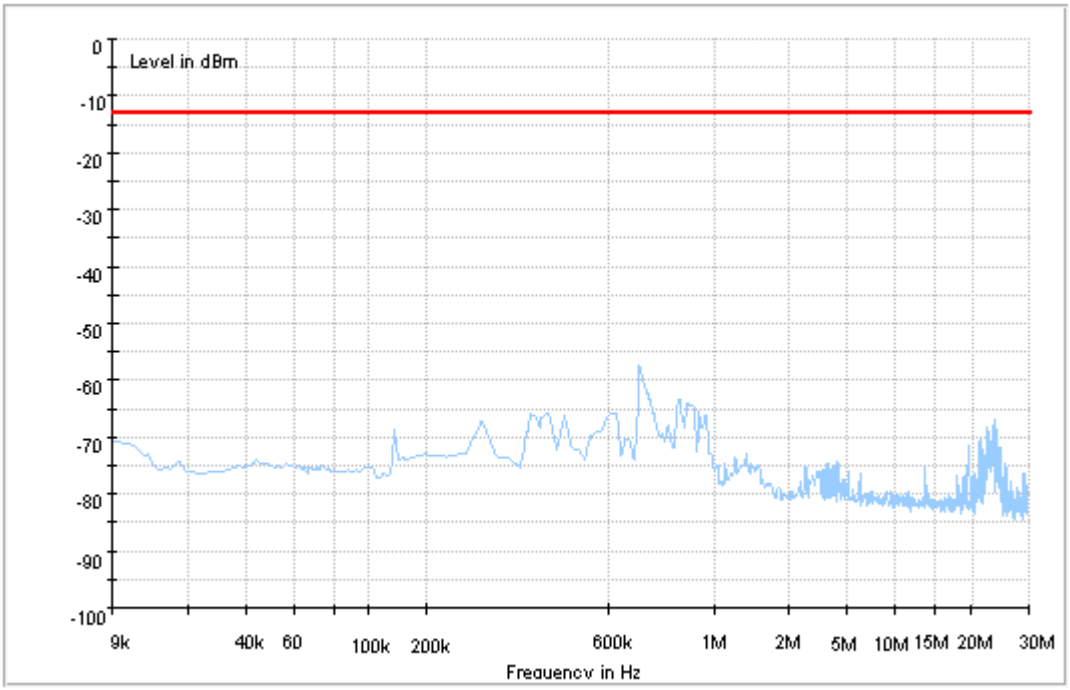
7.1.2 Test Band = BAND4_Ant2

7.1.2.1 Test Bandwidth = 1.4



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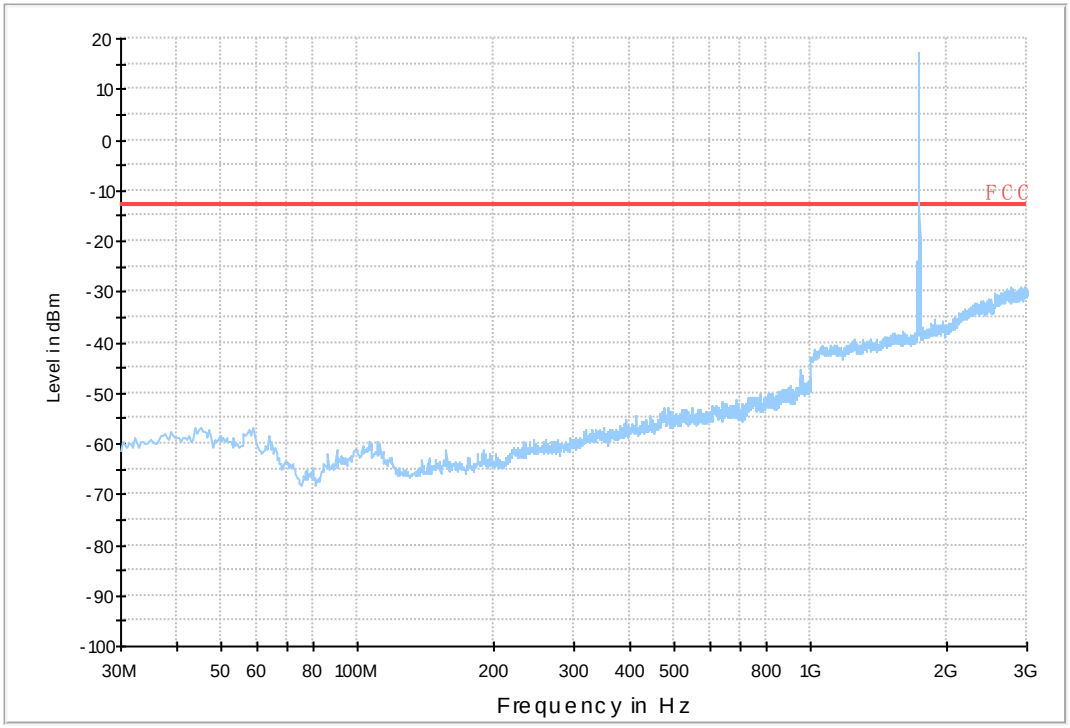

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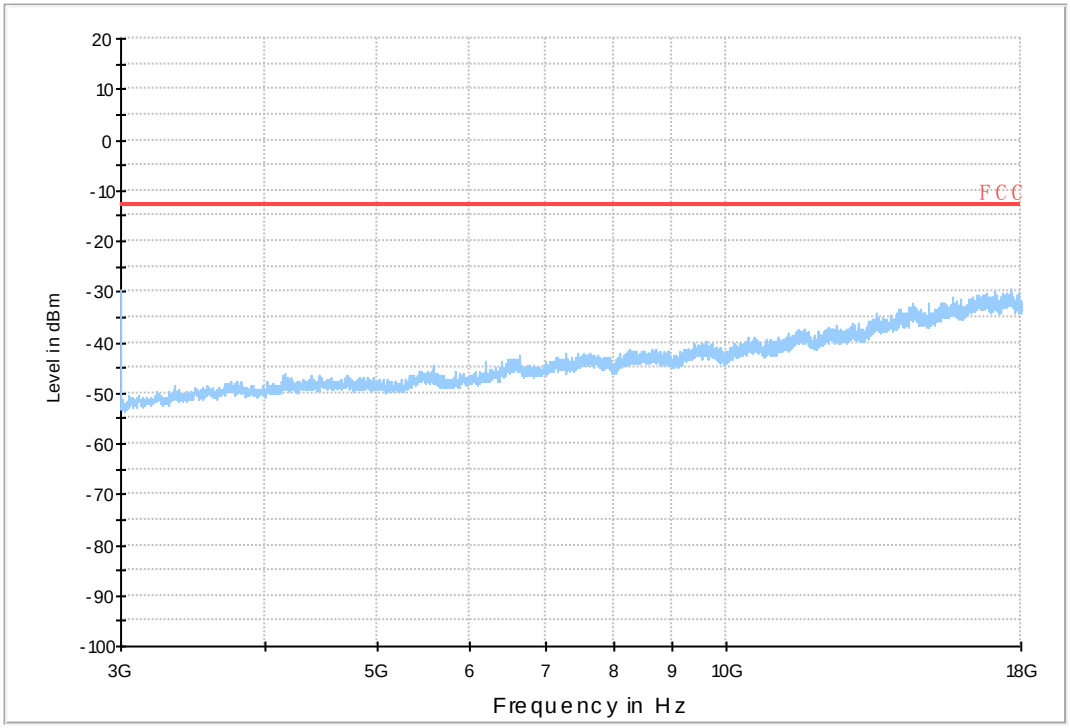
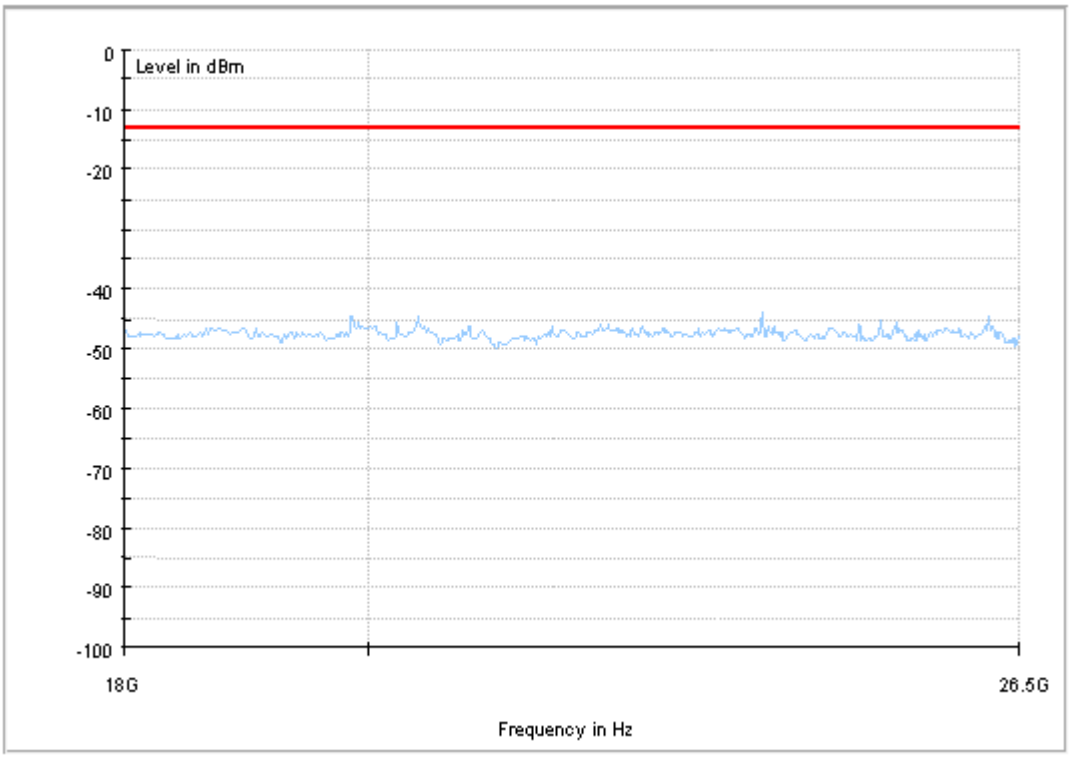
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





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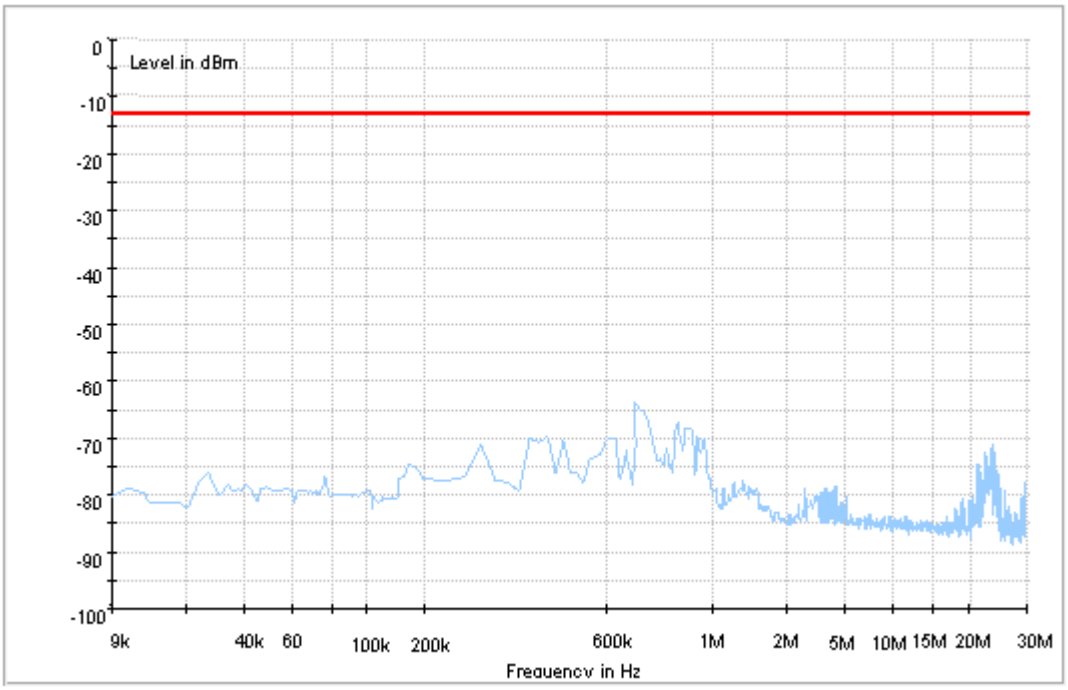
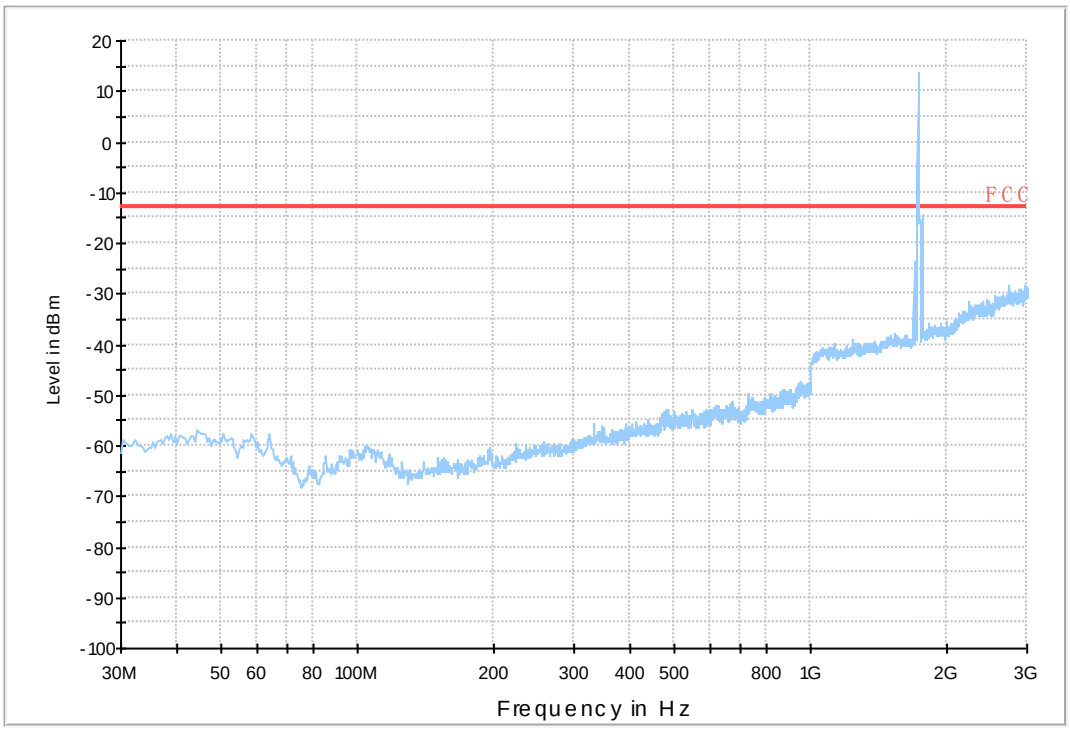
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



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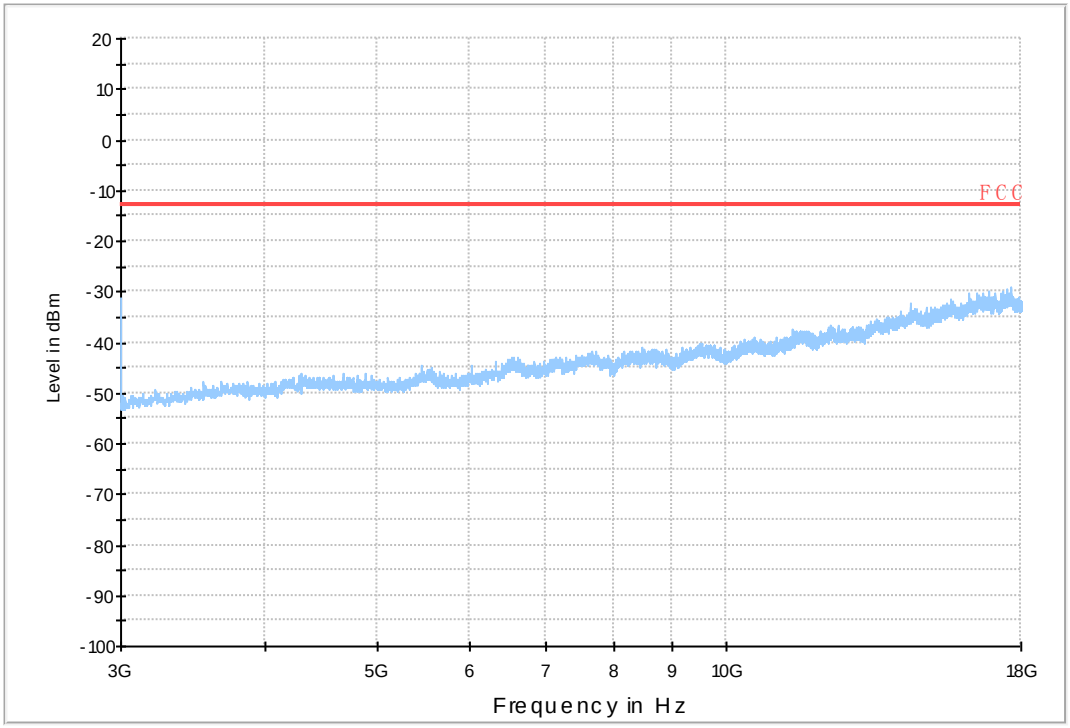
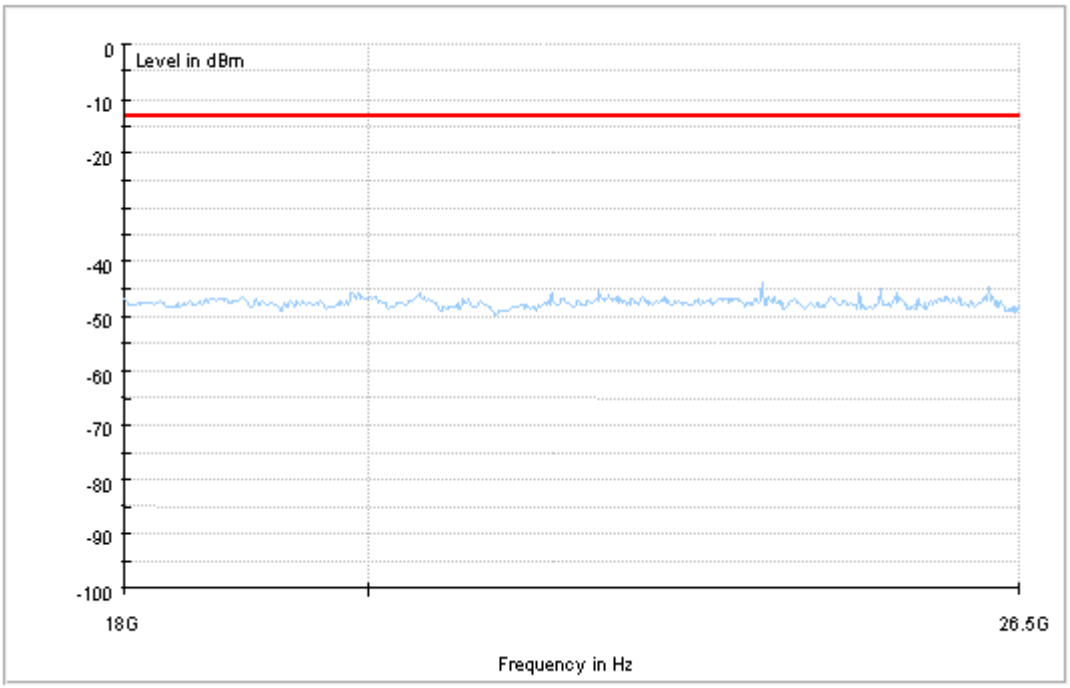
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





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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
BAND4	LTE/TM1	1.4	LCH	TN	VL	-6.18	-0.00361	PASS
					VN	4.53	0.00265	PASS
					VH	-4.89	-0.00286	PASS
			MCH	TN	VL	-6.74	-0.00389	PASS
					VN	3.38	0.00195	PASS
					VH	-3.18	-0.00184	PASS
			HCH	TN	VL	2.66	0.00152	PASS
					VN	3.52	0.00201	PASS
					VH	-1.12	-0.00064	PASS
		3	LCH	TN	VL	6.51	0.0038	PASS
					VN	1.4	0.00082	PASS
					VH	-0.03	-0.00002	PASS
			MCH	TN	VL	4.86	0.00281	PASS
					VN	-5.68	-0.00328	PASS
					VH	-5.35	-0.00309	PASS
			HCH	TN	VL	-6.02	-0.00343	PASS
					VN	1.5	0.00086	PASS
					VH	3.53	0.00201	PASS
		5	LCH	TN	VL	-0.67	-0.00039	PASS
					VN	-1.36	-0.00079	PASS
					VH	-1.85	-0.00108	PASS
			MCH	TN	VL	-2.2	-0.00127	PASS
					VN	-0.74	-0.00043	PASS
					VH	-19.67	-0.01135	PASS
			HCH	TN	VL	-0.92	-0.00052	PASS
					VN	-1.23	-0.0007	PASS
					VH	-50.5	-0.02882	PASS
		10	LCH	TN	VL	-2.88	-0.00168	PASS
					VN	-2.5	-0.00146	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
					VH	0.27	0.00016	PASS
			MCH	TN	VL	-0.92	-0.00053	PASS
					VN	1.56	0.0009	PASS
					VH	2.42	0.0014	PASS
			HCH	TN	VL	-1.09	-0.00062	PASS
					VN	-0.9	-0.00051	PASS
					VH	-2.37	-0.00135	PASS
		15	LCH	TN	VL	-1	-0.00058	PASS
					VN	-3.76	-0.00219	PASS
					VH	-0.23	-0.00013	PASS
			MCH	TN	VL	-2.03	-0.00117	PASS
					VN	-3.15	-0.00182	PASS
					VH	-1.97	-0.00114	PASS
			HCH	TN	VL	4.89	0.0028	PASS
					VN	-1.69	-0.00097	PASS
					VH	0.03	0.00002	PASS
		20	LCH	TN	VL	1.76	0.00102	PASS
					VN	1.26	0.00073	PASS
					VH	0.39	0.00023	PASS
			MCH	TN	VL	0.33	0.00019	PASS
					VN	-0.16	-0.00009	PASS
					VH	-1.59	-0.00092	PASS
			HCH	TN	VL	-2.03	-0.00116	PASS
					VN	-4.99	-0.00286	PASS
					VH	1.14	0.00065	PASS
	LTE/TM2	1.4	LCH	TN	VL	-3.29	-0.00192	PASS
					VN	-15.62	-0.00913	PASS
					VH	-11	-0.00643	PASS
			MCH	TN	VL	-0.06	-0.00003	PASS
					VN	-9.94	-0.00574	PASS
					VH	-6.79	-0.00392	PASS
			HCH	TN	VL	-4.48	-0.00255	PASS
					VN	-3.2	-0.00182	PASS
					VH	-5.08	-0.0029	PASS
		3	LCH	TN	VL	-1.66	-0.00097	PASS
					VN	2.45	0.00143	PASS
					VH	1.46	0.00085	PASS
			MCH	TN	VL	-9.46	-0.00546	PASS
					VN	-4.63	-0.00267	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
					VH	9.48	0.00547	PASS
			HCH	TN	VL	-5.65	-0.00322	PASS
					VN	-0.53	-0.0003	PASS
					VH	-0.29	-0.00017	PASS
		5	LCH	TN	VL	-3.4	-0.00199	PASS
					VN	-19.67	-0.01149	PASS
					VH	-17.34	-0.01013	PASS
			MCH	TN	VL	0.63	0.00036	PASS
					VN	-9.54	-0.00551	PASS
					VH	1.59	0.00092	PASS
			HCH	TN	VL	-1.23	-0.0007	PASS
					VN	-2.42	-0.00138	PASS
					VH	-1.86	-0.00106	PASS
		10	LCH	TN	VL	-0.53	-0.00031	PASS
					VN	-0.84	-0.00049	PASS
					VH	-1.4	-0.00082	PASS
			MCH	TN	VL	-1.65	-0.00095	PASS
					VN	3.56	0.00205	PASS
					VH	-0.76	-0.00044	PASS
			HCH	TN	VL	-0.83	-0.00047	PASS
					VN	1.99	0.00114	PASS
					VH	1.33	0.00076	PASS
		15	LCH	TN	VL	-1.59	-0.00093	PASS
					VN	3.29	0.00192	PASS
					VH	0.72	0.00042	PASS
			MCH	TN	VL	-0.9	-0.00052	PASS
					VN	-1.93	-0.00111	PASS
					VH	-1.22	-0.0007	PASS
			HCH	TN	VL	2.78	0.00159	PASS
					VN	-4.15	-0.00237	PASS
					VH	-3.55	-0.00203	PASS
		20	LCH	TN	VL	0.2	0.00012	PASS
					VN	2.57	0.00149	PASS
					VH	-1	-0.00058	PASS
			MCH	TN	VL	-1.87	-0.00108	PASS
					VN	-1.85	-0.00107	PASS
					VH	-2.63	-0.00152	PASS
			HCH	TN	VL	0.44	0.00025	PASS
					VN	-1.5	-0.00086	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
					VH	-4.18	-0.0024	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
BAND4	LTE/TM1	1.4	LCH	VN	-30	-3.76	-0.0022	PASS
					-20	5.25	0.00307	PASS
					-10	-18.32	-0.01071	PASS
					0	1.16	0.00068	PASS
					10	-11.06	-0.00647	PASS
					20	1.14	0.00067	PASS
					30	-11.94	-0.00698	PASS
					40	1.13	0.00066	PASS
					50	-18.22	-0.01065	PASS
			MCH	VN	-30	3.99	0.0023	PASS
					-20	-3.43	-0.00198	PASS
					-10	-3.89	-0.00225	PASS
					0	4.98	0.00287	PASS
					10	17.58	0.01015	PASS
					20	1.59	0.00092	PASS
					30	2.37	0.00137	PASS
					40	-0.39	-0.00023	PASS
					50	4.35	0.00251	PASS
			HCH	VN	-30	-0.19	-0.00011	PASS
					-20	2.78	0.00158	PASS
					-10	-2.96	-0.00169	PASS
					0	-4.41	-0.00251	PASS
					10	2.12	0.00121	PASS
					20	-5.39	-0.00307	PASS
					30	1.85	0.00105	PASS
					40	-6.08	-0.00347	PASS
					50	-4.95	-0.00282	PASS
		3	LCH	VN	-30	1.89	0.0011	PASS
					-20	0.5	0.00029	PASS
					-10	1.66	0.00097	PASS
					0	2.7	0.00158	PASS
					10	-0.31	-0.00018	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	1.54	0.0009	PASS
					30	6.07	0.00355	PASS
					40	0.83	0.00048	PASS
					50	-0.1	-0.00006	PASS
			MCH	VN	-30	-0.79	-0.00046	PASS
					-20	0.39	0.00023	PASS
					-10	-0.19	-0.00011	PASS
					0	-1.56	-0.0009	PASS
					10	0.63	0.00036	PASS
					20	3.16	0.00182	PASS
					30	-7.71	-0.00445	PASS
					40	2.03	0.00117	PASS
					50	-0.66	-0.00038	PASS
			HCH	VN	-30	-6.35	-0.00362	PASS
					-20	0.97	0.00055	PASS
					-10	0.43	0.00025	PASS
					0	-1.03	-0.00059	PASS
					10	-2.65	-0.00151	PASS
					20	-0.63	-0.00036	PASS
					30	-1.46	-0.00083	PASS
					40	-0.04	-0.00002	PASS
					50	-0.44	-0.00025	PASS
		5	LCH	VN	-30	3.73	0.00218	PASS
					-20	3.02	0.00176	PASS
					-10	-3.16	-0.00185	PASS
					0	0.36	0.00021	PASS
					10	2.02	0.00118	PASS
					20	-16.14	-0.00942	PASS
					30	2.53	0.00148	PASS
					40	-1.22	-0.00071	PASS
					50	0.56	0.00033	PASS
			MCH	VN	-30	1.72	0.00099	PASS
					-20	-2.47	-0.00143	PASS
					-10	0.4	0.00023	PASS
					0	-5.58	-0.00322	PASS
					10	-3.6	-0.00208	PASS
					20	-3.5	-0.00202	PASS
					30	-2.55	-0.00147	PASS
					40	2.85	0.00165	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
					50	4.53	0.00261	PASS
			HCH	VN	-30	0.46	0.00026	PASS
					-20	-3.69	-0.00211	PASS
					-10	0.31	0.00018	PASS
					0	1.33	0.00076	PASS
					10	-0.34	-0.00019	PASS
					20	-0.83	-0.00047	PASS
					30	-4.86	-0.00277	PASS
					40	-0.8	-0.00046	PASS
					50	0.67	0.00038	PASS
		10	LCH	VN	-30	1.52	0.00089	PASS
					-20	-0.09	-0.00005	PASS
					-10	0.1	0.00006	PASS
					0	0.47	0.00027	PASS
					10	2.49	0.00145	PASS
					20	-1.5	-0.00087	PASS
					30	-1.23	-0.00072	PASS
					40	1.53	0.00089	PASS
					50	-0.33	-0.00019	PASS
			MCH	VN	-30	-1.36	-0.00078	PASS
					-20	-1.83	-0.00106	PASS
					-10	-3.19	-0.00184	PASS
					0	-7.84	-0.00453	PASS
					10	1.22	0.0007	PASS
					20	-1.57	-0.00091	PASS
					30	-0.6	-0.00035	PASS
					40	-1.02	-0.00059	PASS
					50	-0.96	-0.00055	PASS
			HCH	VN	-30	3.79	0.00217	PASS
					-20	2.35	0.00134	PASS
					-10	-0.43	-0.00025	PASS
					0	2.32	0.00133	PASS
					10	-0.89	-0.00051	PASS
					20	0.39	0.00022	PASS
					30	3.42	0.00195	PASS
					40	-0.16	-0.00009	PASS
					50	-1.12	-0.00064	PASS
		15	LCH	VN	-30	-2.22	-0.00129	PASS
					-20	0.92	0.00054	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	0.13	0.00008	PASS
					0	0.49	0.00029	PASS
					10	0.47	0.00027	PASS
					20	-2.62	-0.00153	PASS
					30	-0.72	-0.00042	PASS
					40	0.2	0.00012	PASS
					50	-1.9	-0.00111	PASS
			MCH	VN	-30	-1.83	-0.00106	PASS
					-20	-2.1	-0.00121	PASS
					-10	-2.13	-0.00123	PASS
					0	-2.83	-0.00163	PASS
					10	-2.83	-0.00163	PASS
					20	0.03	0.00002	PASS
					30	0.5	0.00029	PASS
					40	-0.53	-0.00031	PASS
					50	-0.72	-0.00042	PASS
			HCH	VN	-30	1.82	0.00104	PASS
					-20	-7.25	-0.00415	PASS
					-10	1.04	0.0006	PASS
					0	-8.84	-0.00506	PASS
					10	0.39	0.00022	PASS
					20	-0.41	-0.00023	PASS
					30	-1.02	-0.00058	PASS
					40	-3.28	-0.00188	PASS
					50	3.86	0.00221	PASS
		20	LCH	VN	-30	0.66	0.00038	PASS
					-20	3.52	0.00205	PASS
					-10	0.39	0.00023	PASS
					0	0.43	0.00025	PASS
					10	0.54	0.00031	PASS
					20	-0.31	-0.00018	PASS
					30	0.74	0.00043	PASS
					40	-0.19	-0.00011	PASS
					50	-1.8	-0.00105	PASS
			MCH	VN	-30	-1.29	-0.00074	PASS
					-20	-1.34	-0.00077	PASS
					-10	-1.92	-0.00111	PASS
					0	-1.7	-0.00098	PASS
					10	-0.44	-0.00025	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	1.59	0.00092	PASS
					30	-1.76	-0.00102	PASS
					40	-1.1	-0.00063	PASS
					50	-1.33	-0.00077	PASS
			HCH	VN	-30	-1.44	-0.00083	PASS
					-20	-0.8	-0.00046	PASS
					-10	-3.56	-0.00204	PASS
					0	-4.49	-0.00257	PASS
					10	-2.23	-0.00128	PASS
					20	1.07	0.00061	PASS
					30	0.8	0.00046	PASS
					40	-1.19	-0.00068	PASS
					50	0.06	0.00003	PASS
	LTE/TM2	1.4	LCH	VN	-30	0.82	0.00048	PASS
					-20	-2.37	-0.00139	PASS
					-10	-20.7	-0.0121	PASS
					0	-1.92	-0.00112	PASS
					10	-8.51	-0.00497	PASS
					20	-1.4	-0.00082	PASS
					30	3.82	0.00223	PASS
					40	-3.23	-0.00189	PASS
					50	-2.03	-0.00119	PASS
			MCH	VN	-30	-2.43	-0.0014	PASS
					-20	3.1	0.00179	PASS
					-10	13.02	0.00752	PASS
					0	14.09	0.00813	PASS
					10	1.49	0.00086	PASS
					20	-2.7	-0.00156	PASS
					30	1.63	0.00094	PASS
					40	11.39	0.00657	PASS
					50	2.6	0.0015	PASS
			HCH	VN	-30	-0.47	-0.00027	PASS
					-20	-1.56	-0.00089	PASS
					-10	-0.09	-0.00005	PASS
					0	-1.76	-0.001	PASS
					10	-4.95	-0.00282	PASS
					20	-3.82	-0.00218	PASS
					30	-2.12	-0.00121	PASS
					40	-2.23	-0.00127	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
					50	-2.69	-0.00153	PASS
		3	LCH	VN	-30	4.05	0.00237	PASS
					-20	3.28	0.00192	PASS
					-10	0.73	0.00043	PASS
					0	-1.14	-0.00067	PASS
					10	1.19	0.0007	PASS
					20	4.31	0.00252	PASS
					30	2.53	0.00148	PASS
					40	1.57	0.00092	PASS
					50	0.79	0.00046	PASS
			MCH	VN	-30	-0.43	-0.00025	PASS
					-20	0.06	0.00003	PASS
					-10	-2.09	-0.00121	PASS
					0	-0.44	-0.00025	PASS
					10	0.74	0.00043	PASS
					20	0.11	0.00006	PASS
					30	1.34	0.00077	PASS
					40	-3.1	-0.00179	PASS
					50	-1.47	-0.00085	PASS
			HCH	VN	-30	0.59	0.00034	PASS
					-20	2.09	0.00119	PASS
					-10	0.69	0.00039	PASS
					0	-3.83	-0.00218	PASS
					10	-0.89	-0.00051	PASS
					20	2.05	0.00117	PASS
					30	0.97	0.00055	PASS
					40	9.57	0.00546	PASS
					50	0.92	0.00052	PASS
		5	LCH	VN	-30	3.92	0.00229	PASS
					-20	-6.01	-0.00351	PASS
					-10	-21.2	-0.01238	PASS
					0	-1.7	-0.00099	PASS
					10	0.4	0.00023	PASS
					20	7.98	0.00466	PASS
					30	3.06	0.00179	PASS
					40	4.59	0.00268	PASS
					50	-6.38	-0.00373	PASS
			MCH	VN	-30	-0.96	-0.00055	PASS
					-20	2.62	0.00151	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	0.44	0.00025	PASS
					0	-1.43	-0.00083	PASS
					10	-2.68	-0.00155	PASS
					20	-49.95	-0.02883	PASS
					30	2.49	0.00144	PASS
					40	0.8	0.00046	PASS
					50	6.82	0.00394	PASS
			HCH	VN	-30	-3.6	-0.00205	PASS
					-20	-4.46	-0.00254	PASS
					-10	0.72	0.00041	PASS
					0	-2.23	-0.00127	PASS
					10	-3.19	-0.00182	PASS
					20	-3.92	-0.00224	PASS
					30	-0.37	-0.00021	PASS
					40	-3.83	-0.00219	PASS
					50	-10.84	-0.00619	PASS
		10	LCH	VN	-30	-2.35	-0.00137	PASS
					-20	2.83	0.00165	PASS
					-10	-1.79	-0.00104	PASS
					0	4.69	0.00273	PASS
					10	-0.31	-0.00018	PASS
					20	0.6	0.00035	PASS
					30	-2.4	-0.0014	PASS
					40	-1.43	-0.00083	PASS
					50	-3.92	-0.00229	PASS
			MCH	VN	-30	-3.28	-0.00189	PASS
					-20	-2.09	-0.00121	PASS
					-10	-5.34	-0.00308	PASS
					0	-3.91	-0.00226	PASS
					10	0.29	0.00017	PASS
					20	-4.15	-0.0024	PASS
					30	-4.52	-0.00261	PASS
					40	-3.75	-0.00216	PASS
					50	-0.67	-0.00039	PASS
			HCH	VN	-30	3.05	0.00174	PASS
					-20	2.99	0.00171	PASS
					-10	0	0	PASS
					0	2.27	0.0013	PASS
					10	0	0	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	0.96	0.00055	PASS
					30	0.2	0.00011	PASS
					40	1.95	0.00111	PASS
					50	-1.62	-0.00093	PASS
		15	LCH	VN	-30	2.89	0.00168	PASS
					-20	-1.95	-0.00114	PASS
					-10	3.2	0.00186	PASS
					0	4.35	0.00253	PASS
					10	-0.43	-0.00025	PASS
					20	1.04	0.00061	PASS
					30	1.17	0.00068	PASS
					40	-2.59	-0.00151	PASS
					50	-0.06	-0.00003	PASS
			MCH	VN	-30	-0.27	-0.00016	PASS
					-20	-1.63	-0.00094	PASS
					-10	-3.36	-0.00194	PASS
					0	-1.23	-0.00071	PASS
					10	-1.69	-0.00098	PASS
					20	-0.29	-0.00017	PASS
					30	1.93	0.00111	PASS
					40	-2.29	-0.00132	PASS
					50	1.07	0.00062	PASS
			HCH	VN	-30	-4.62	-0.00264	PASS
					-20	1.79	0.00102	PASS
					-10	1.56	0.00089	PASS
					0	3.91	0.00224	PASS
					10	5.55	0.00318	PASS
					20	0.07	0.00004	PASS
					30	-4.41	-0.00252	PASS
					40	5.41	0.0031	PASS
					50	1.3	0.00074	PASS
		20	LCH	VN	-30	0.87	0.00051	PASS
					-20	0.19	0.00011	PASS
					-10	-1	-0.00058	PASS
					0	0.23	0.00013	PASS
					10	-1.49	-0.00087	PASS
					20	-0.26	-0.00015	PASS
					30	-0.3	-0.00017	PASS
					40	0.24	0.00014	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
					50	-3.33	-0.00194	PASS
			MCH	VN	-30	-1.27	-0.00073	PASS
					-20	-3.33	-0.00192	PASS
					-10	-0.69	-0.0004	PASS
					0	-0.82	-0.00047	PASS
					10	-2.66	-0.00154	PASS
					20	-1.99	-0.00115	PASS
					30	-1.03	-0.00059	PASS
					40	-2.53	-0.00146	PASS
					50	-0.86	-0.0005	PASS
			HCH	VN	-30	-3.25	-0.00186	PASS
					-20	-3.25	-0.00186	PASS
					-10	-1.66	-0.00095	PASS
					0	0.5	0.00029	PASS
					10	-2.32	-0.00133	PASS
					20	-1.8	-0.00103	PASS
					30	-4.45	-0.00255	PASS
					40	-5.69	-0.00326	PASS
					50	-1.17	-0.00067	PASS

END

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