



Appendix for Test report

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1Appendix_A: Effective Radiated Power Output Data

Part I - Test Results

Test Mode	Test Band width	Test Channel	Test RB	Meas. Level [dBm]	Substitution Antenna Type	SGP[dBm]	Substitution Gain [dBi]	Cable Loss [dB]	Substitution Level (EIRP) [dBm]	FCC limit [dBm]	Result
LTE/TM 1	5	LCH	RB1#0	25.62	Horn Ant.	21.87	4.5	1	25.37	33	Pass
			RB1#13	25.5	Horn Ant.	21.75	4.5	1	25.25	33	Pass
			RB1#24	25.28	Horn Ant.	21.53	4.5	1	25.03	33	Pass
			RB12#0	24.42	Horn Ant.	20.67	4.5	1	23.17	33	Pass
			RB12#6	24.33	Horn Ant.	20.58	4.5	1	24.08	33	Pass
			RB12#13	24.35	Horn Ant.	20.6	4.5	1	23.1	33	Pass
			RB25#0	24.24	Horn Ant.	20.49	4.5	1	23.99	33	Pass
		MCH	RB1#0	25.54	Horn Ant.	21.79	4.5	1	25.29	33	Pass
			RB1#13	25.46	Horn Ant.	21.71	4.5	1	25.21	33	Pass
			RB1#24	25.26	Horn Ant.	21.51	4.5	1	25.01	33	Pass
			RB12#0	24.37	Horn Ant.	20.62	4.5	1	23.12	33	Pass
			RB12#6	24.4	Horn Ant.	20.65	4.5	1	23.15	33	Pass
			RB12#13	24.31	Horn Ant.	20.56	4.5	1	24.06	33	Pass
			RB25#0	24.23	Horn Ant.	20.48	4.5	1	23.98	33	Pass
		HCH	RB1#0	25.6	Horn Ant.	21.85	4.5	1	25.35	33	Pass
			RB1#13	25.3	Horn Ant.	21.55	4.5	1	25.05	33	Pass
			RB1#24	25.35	Horn Ant.	21.6	4.5	1	24.1	33	Pass
			RB12#0	24.32	Horn Ant.	20.57	4.5	1	24.07	33	Pass
			RB12#6	24.22	Horn Ant.	20.47	4.5	1	23.97	33	Pass
			RB12#13	24.34	Horn Ant.	20.59	4.5	1	24.09	33	Pass
			RB25#0	24.2	Horn Ant.	20.45	4.5	1	23.95	33	Pass
	10	LCH	RB1#0	25.74	Horn Ant.	21.99	4.5	1	25.49	33	Pass
			RB1#25	25.48	Horn Ant.	21.73	4.5	1	25.23	33	Pass
			RB1#49	25.46	Horn Ant.	21.71	4.5	1	25.21	33	Pass
			RB25#0	24.28	Horn Ant.	20.53	4.5	1	24.03	33	Pass
			RB25#13	24.24	Horn Ant.	20.49	4.5	1	23.99	33	Pass
			RB25#25	24.24	Horn Ant.	20.49	4.5	1	23.99	33	Pass
			RB50#0	23.11	Horn Ant.	20.36	4.5	1	23.86	33	Pass
		MCH	RB1#0	25.65	Horn Ant.	21.9	4.5	1	25.40	33	Pass

			RB1#25	25.53	Horn Ant.	21.78	4.5	1	25.28	33	Pass
			RB1#49	25.46	Horn Ant.	21.71	4.5	1	25.21	33	Pass
			RB25#0	24.28	Horn Ant.	20.53	4.5	1	24.03	33	Pass
			RB25#13	24.29	Horn Ant.	20.54	4.5	1	24.04	33	Pass
			RB25#25	23.18	Horn Ant.	20.43	4.5	1	23.93	33	Pass
			RB50#0	23.15	Horn Ant.	20.4	4.5	1	23.9	33	Pass
		HCH	RB1#0	25.65	Horn Ant.	21.9	4.5	1	25.4	33	Pass
			RB1#25	25.48	Horn Ant.	21.73	4.5	1	25.23	33	Pass
			RB1#49	25.47	Horn Ant.	21.72	4.5	1	25.22	33	Pass
			RB25#0	24.33	Horn Ant.	20.58	4.5	1	24.08	33	Pass
			RB25#13	24.23	Horn Ant.	20.48	4.5	1	23.98	33	Pass
			RB25#25	24.23	Horn Ant.	20.48	4.5	1	23.98	33	Pass
			RB50#0	24.09	Horn Ant.	20.34	4.5	1	23.84	33	Pass
LTE/TM 2	5	LCH	RB1#0	24.44	Horn Ant.	20.69	4.5	1	23.19	33	Pass
			RB1#13	24.31	Horn Ant.	20.56	4.5	1	24.06	33	Pass
			RB1#24	24.06	Horn Ant.	20.31	4.5	1	23.81	33	Pass
			RB12#0	23.3	Horn Ant.	19.55	4.5	1	23.05	33	Pass
			RB12#6	23.31	Horn Ant.	19.56	4.5	1	23.06	33	Pass
			RB12#13	23.33	Horn Ant.	19.58	4.5	1	23.08	33	Pass
			RB25#0	23.31	Horn Ant.	19.56	4.5	1	23.06	33	Pass
		MCH	RB1#0	24.35	Horn Ant.	20.6	4.5	1	23.1	33	Pass
			RB1#13	24.34	Horn Ant.	20.59	4.5	1	24.09	33	Pass
			RB1#24	23.12	Horn Ant.	20.37	4.5	1	23.87	33	Pass
			RB12#0	23.34	Horn Ant.	19.59	4.5	1	23.09	33	Pass
			RB12#6	23.32	Horn Ant.	19.57	4.5	1	23.07	33	Pass
			RB12#13	23.24	Horn Ant.	19.49	4.5	1	22.99	33	Pass
			RB25#0	23.27	Horn Ant.	19.52	4.5	1	23.02	33	Pass
		HCH	RB1#0	24.44	Horn Ant.	20.69	4.5	1	23.19	33	Pass
			RB1#13	24.3	Horn Ant.	20.55	4.5	1	24.05	33	Pass
			RB1#24	24.2	Horn Ant.	20.45	4.5	1	23.95	33	Pass
			RB12#0	23.31	Horn Ant.	19.56	4.5	1	23.06	33	Pass
			RB12#6	22.1	Horn Ant.	19.35	4.5	1	22.85	33	Pass
			RB12#13	23.23	Horn Ant.	19.48	4.5	1	22.98	33	Pass
			RB25#0	22.18	Horn Ant.	19.43	4.5	1	22.93	33	Pass
	10	LCH	RB1#0	23.97	Horn Ant.	20.41	4.5	1	23.91	33	Pass
			RB1#25	23.73	Horn Ant.	20.18	4.5	1	23.68	33	Pass
			RB1#49	23.79	Horn Ant.	20.22	4.5	1	23.72	33	Pass
			RB25#0	23.32	Horn Ant.	19.78	4.5	1	23.28	33	Pass
			RB25#13	23.21	Horn Ant.	19.74	4.5	1	23.24	33	Pass
			RB25#25	22.14	Horn Ant.	19.71	4.5	1	23.21	33	Pass
			RB50#0	23.08	Horn Ant.	19.52	4.5	1	23.02	33	Pass
		MCH	RB1#0	23.94	Horn Ant.	20.38	4.5	1	23.88	33	Pass

			RB1#25	23.73	Horn Ant.	20.27	4.5	1	23.77	33	Pass
			RB1#49	23.76	Horn Ant.	20.21	4.5	1	23.71	33	Pass
			RB25#0	23.22	Horn Ant.	19.76	4.5	1	23.26	33	Pass
			RB25#13	22.19	Horn Ant.	19.62	4.5	1	22.12	33	Pass
			RB25#25	22.12	Horn Ant.	19.52	4.5	1	23.02	33	Pass
			RB50#0	23.06	Horn Ant.	19.59	4.5	1	23.09	33	Pass
		HCH	RB1#0	23.92	Horn Ant.	20.48	4.5	1	23.98	33	Pass
			RB1#25	23.70	Horn Ant.	20.25	4.5	1	23.75	33	Pass
			RB1#49	23.74	Horn Ant.	20.21	4.5	1	23.71	33	Pass
			RB25#0	23.28	Horn Ant.	19.68	4.5	1	22.18	33	Pass
			RB25#13	22.17	Horn Ant.	19.63	4.5	1	22.13	33	Pass
			RB25#25	22.17	Horn Ant.	19.68	4.5	1	22.18	33	Pass
			RB50#0	22.14	Horn Ant.	19.61	4.5	1	22.11	33	Pass

Note: a, For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

2Appendix_B: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND 13	TM1	5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.51	4.93	Pass
			HCH	RB25#0	4.50	4.94	Pass
		10	LCH	RB50#0	9.00	9.58	Pass
			MCH	RB50#0	9.01	9.59	Pass
			HCH	RB50#0	9.00	9.58	Pass
	TM2	5	LCH	RB25#0	4.51	4.90	Pass
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.51	4.87	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
			MCH	RB50#0	8.99	9.64	Pass
			HCH	RB50#0	9.00	9.62	Pass

Part II - Test Plots

2.1 For LTE

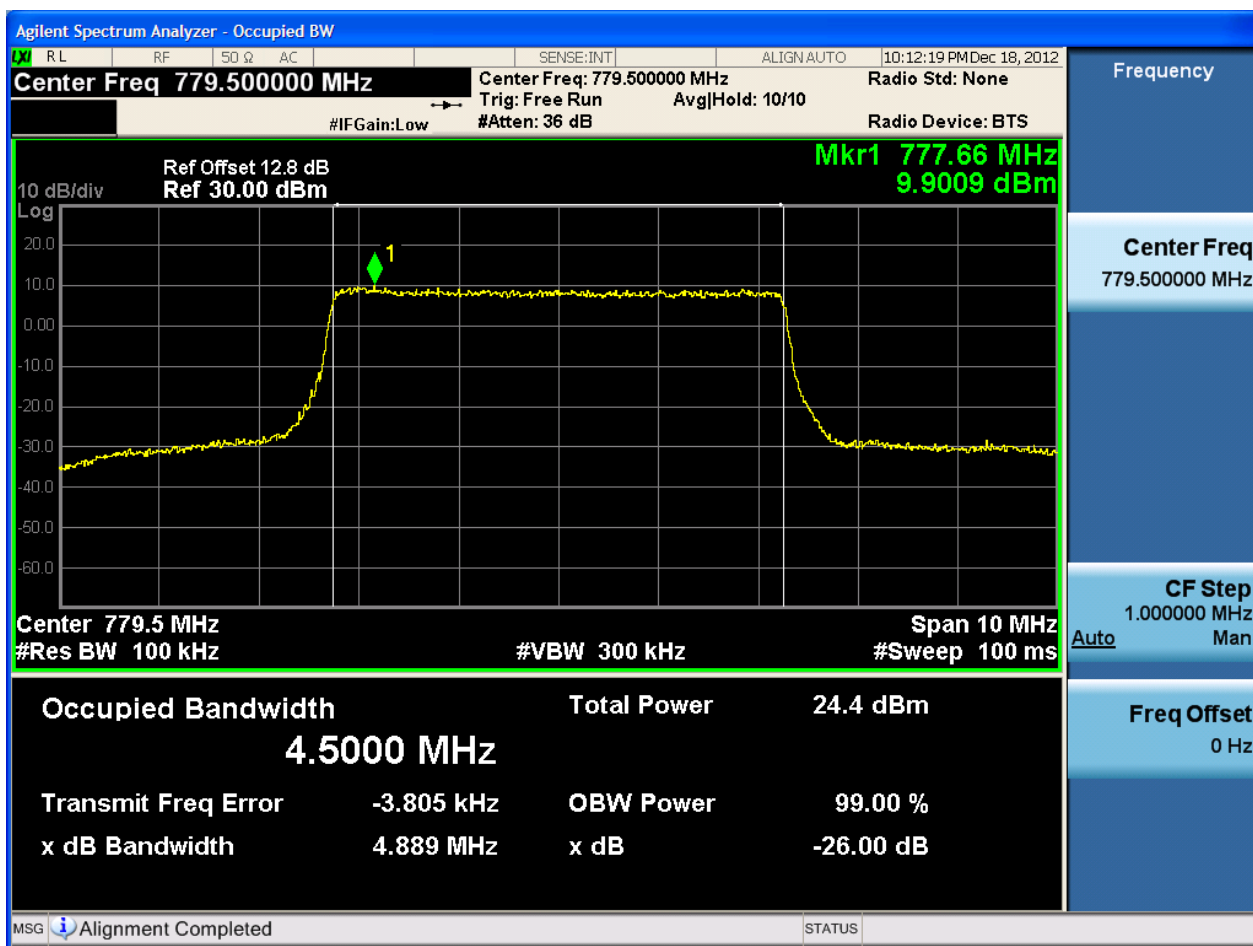
2.1.1 Test Band = BAND13

2.1.1.1 Test Mode = LTE/TM1

2.1.1.1.1 Test Bandwidth = 5

2.1.1.1.1.1 Test Channel = LCH

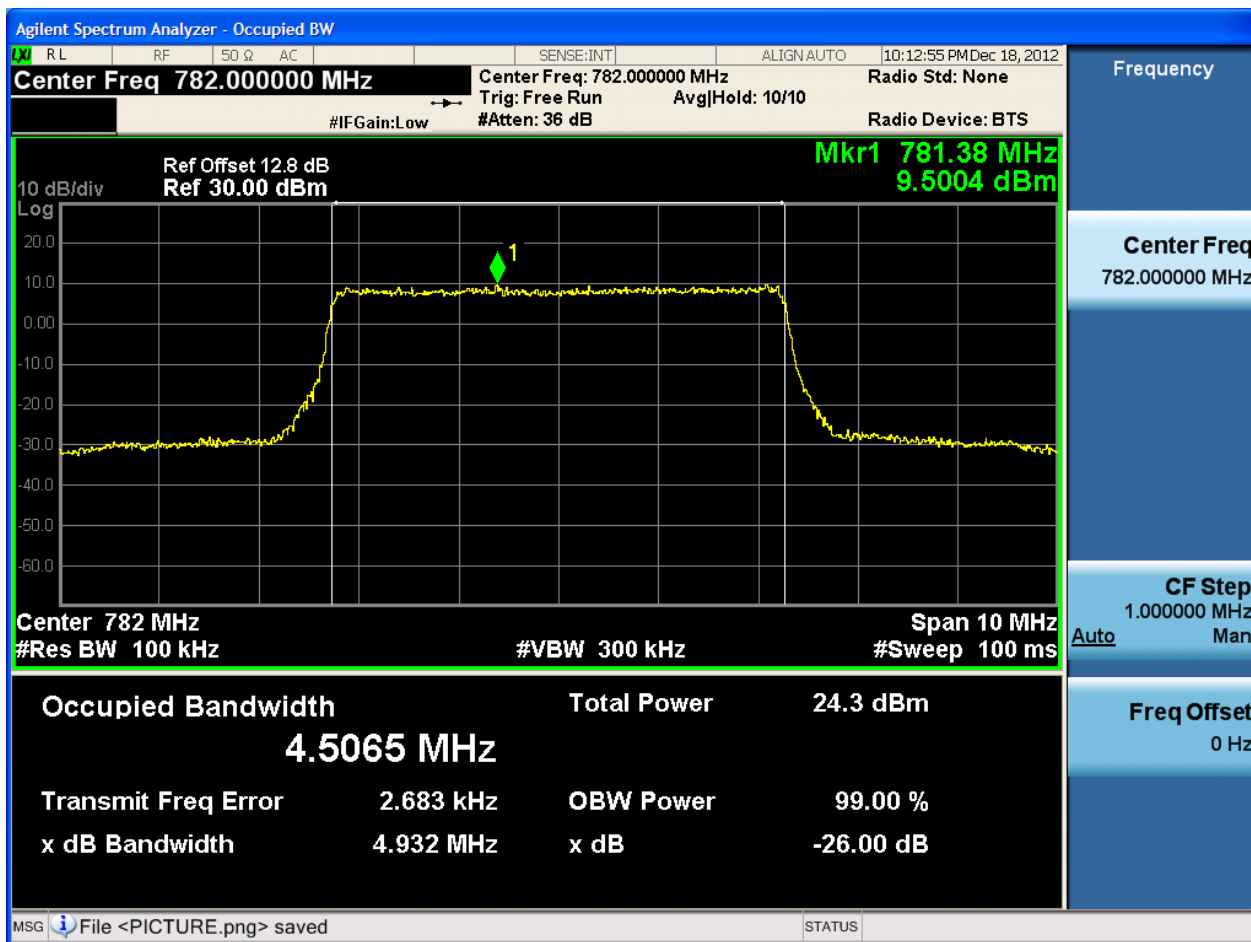
2.1.1.1.1.1.1 Test RB = RB25#0





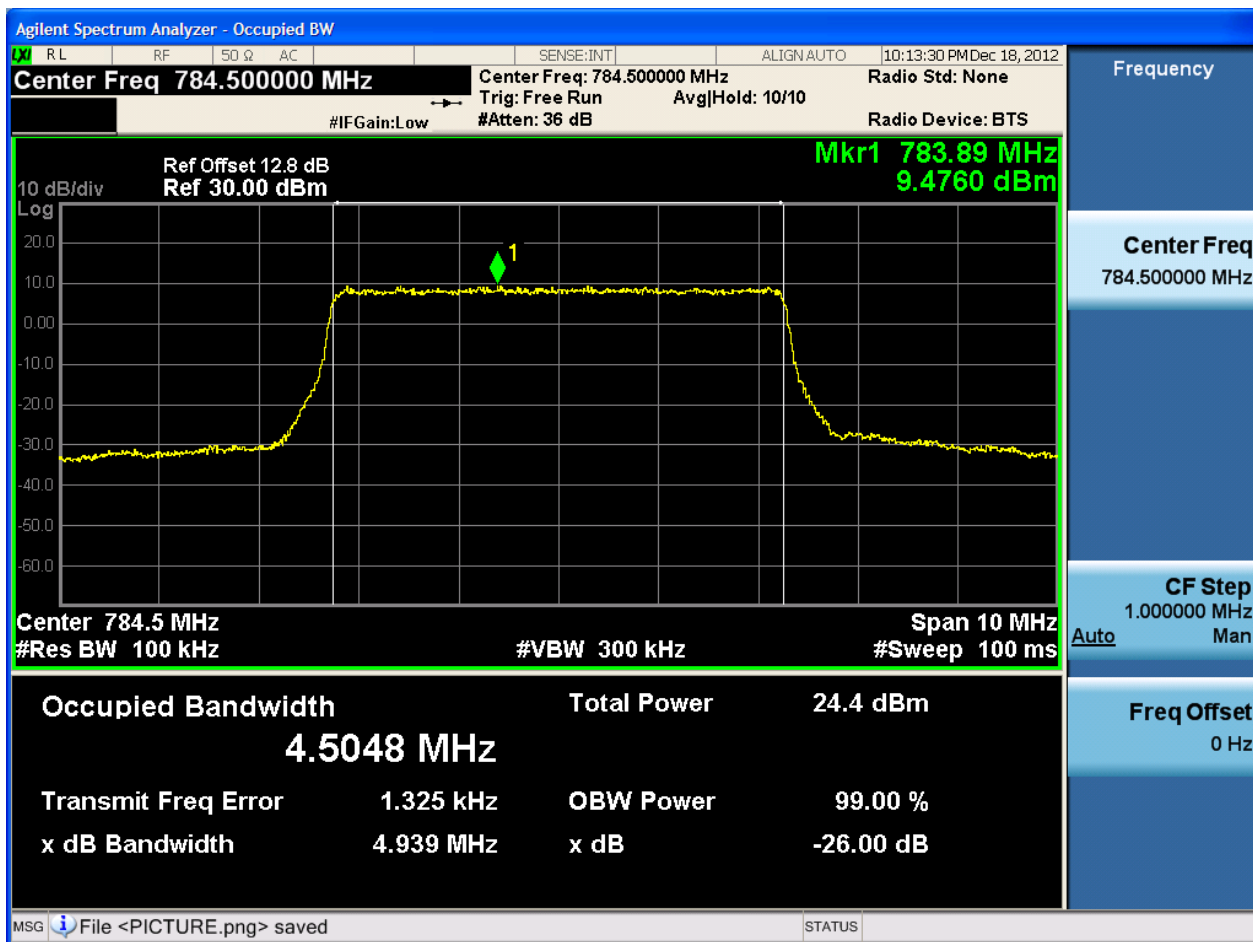
2.1.1.1.1.2 Test Channel = MCH

2.1.1.1.1.2.1 Test RB = RB25#0



2.1.1.1.1.3 Test Channel = HCH

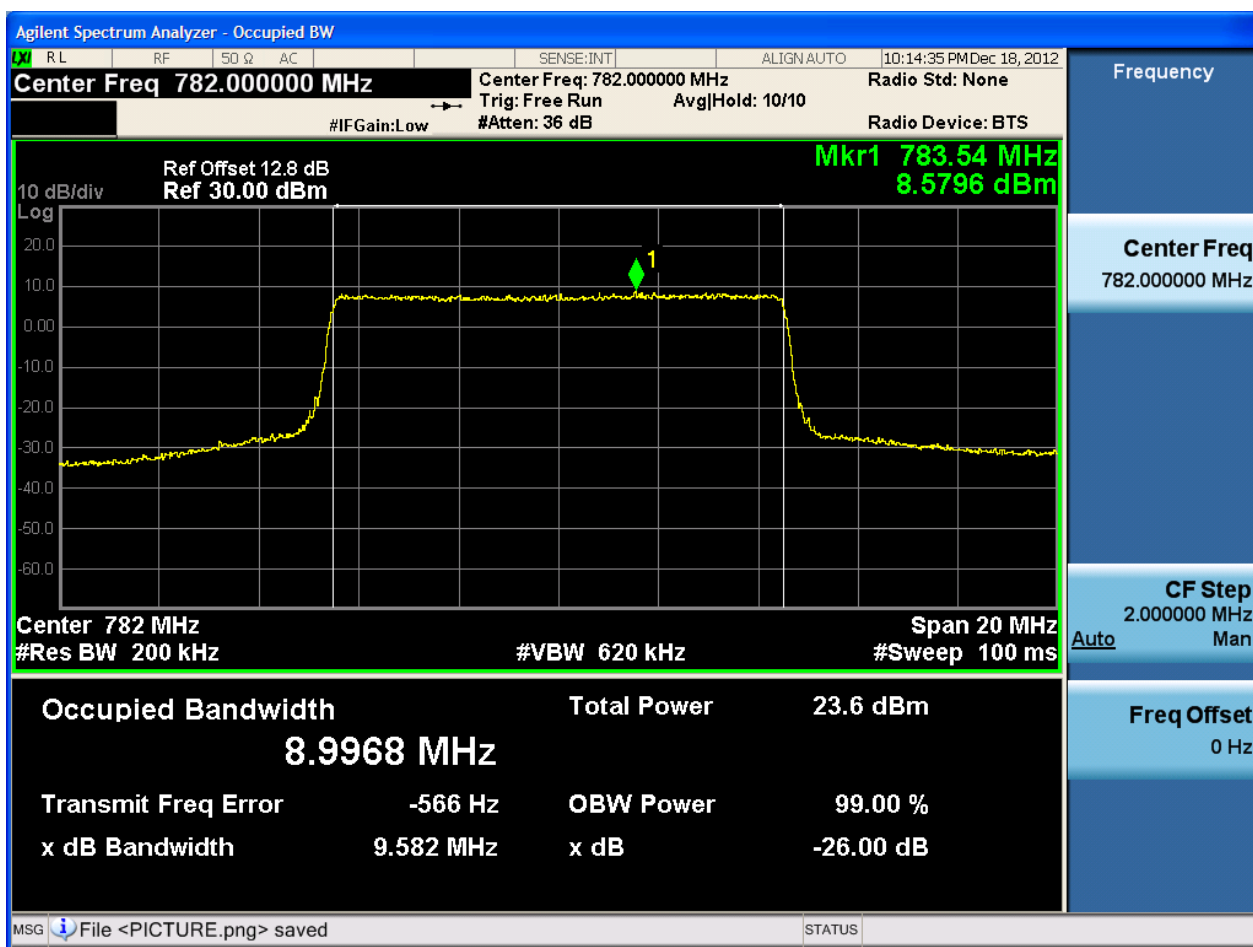
2.1.1.1.1.2.1 Test RB = RB25#0



2.1.1.1.2 Test Bandwidth = 10

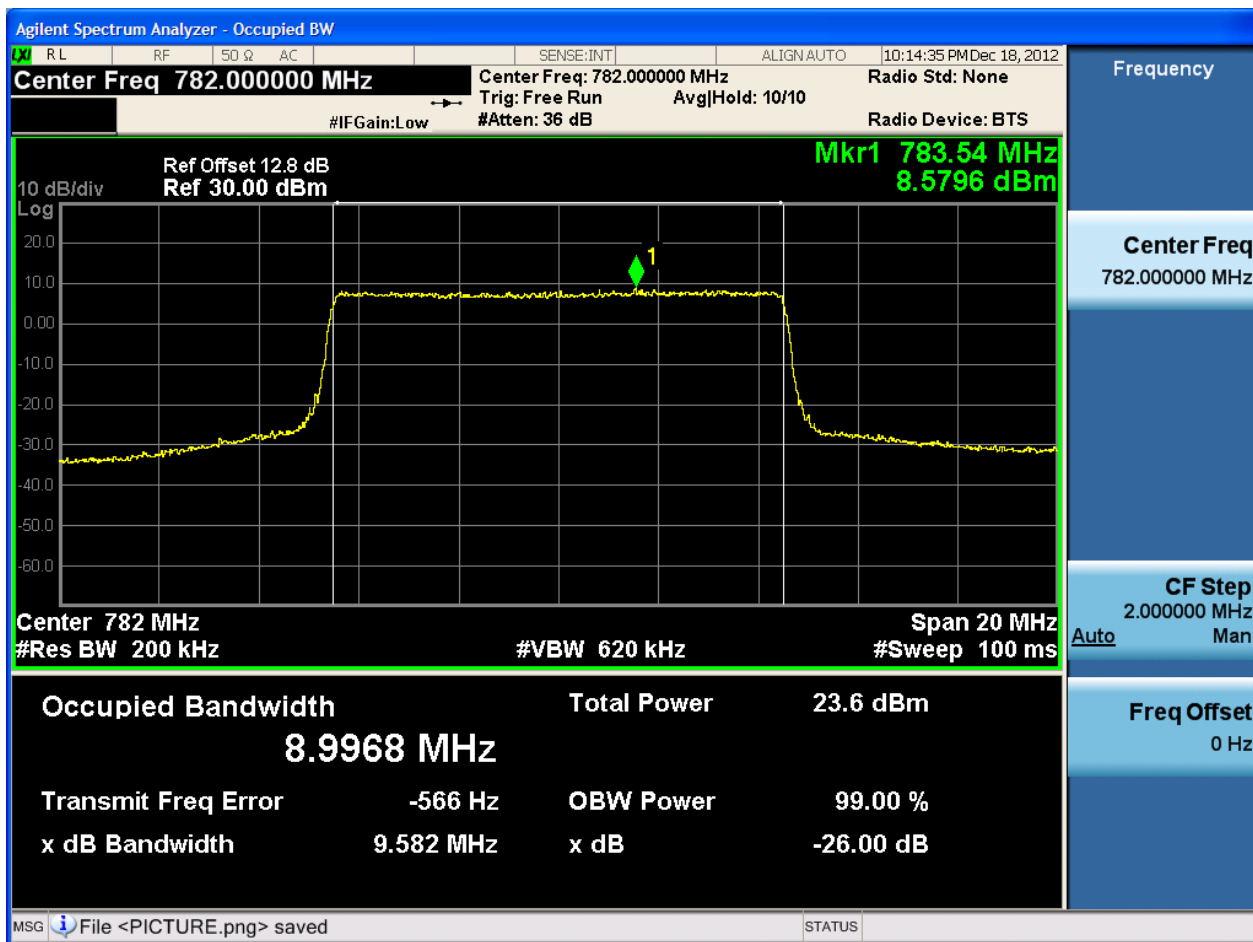
2.1.1.1.2.1 Test Channel = LCH

2.1.1.1.2.1.1 Test RB = RB50#0



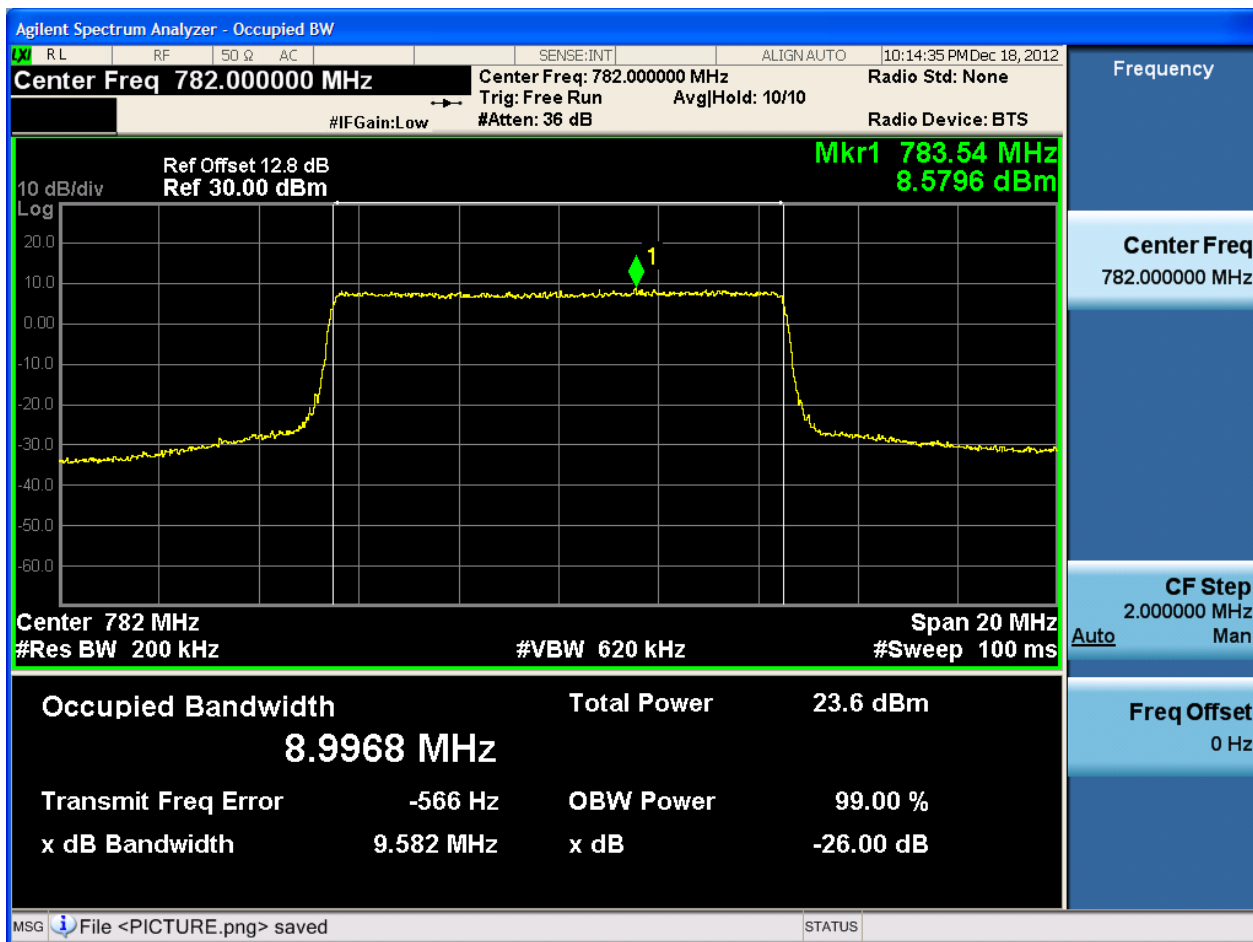
2.1.1.1.2.2 Test Channel = MCH

2.1.1.1.2.2.1 Test RB = RB50#0



2.1.1.1.2.3 Test Channel = HCH

2.1.1.1.2.2.1 Test RB = RB50#0

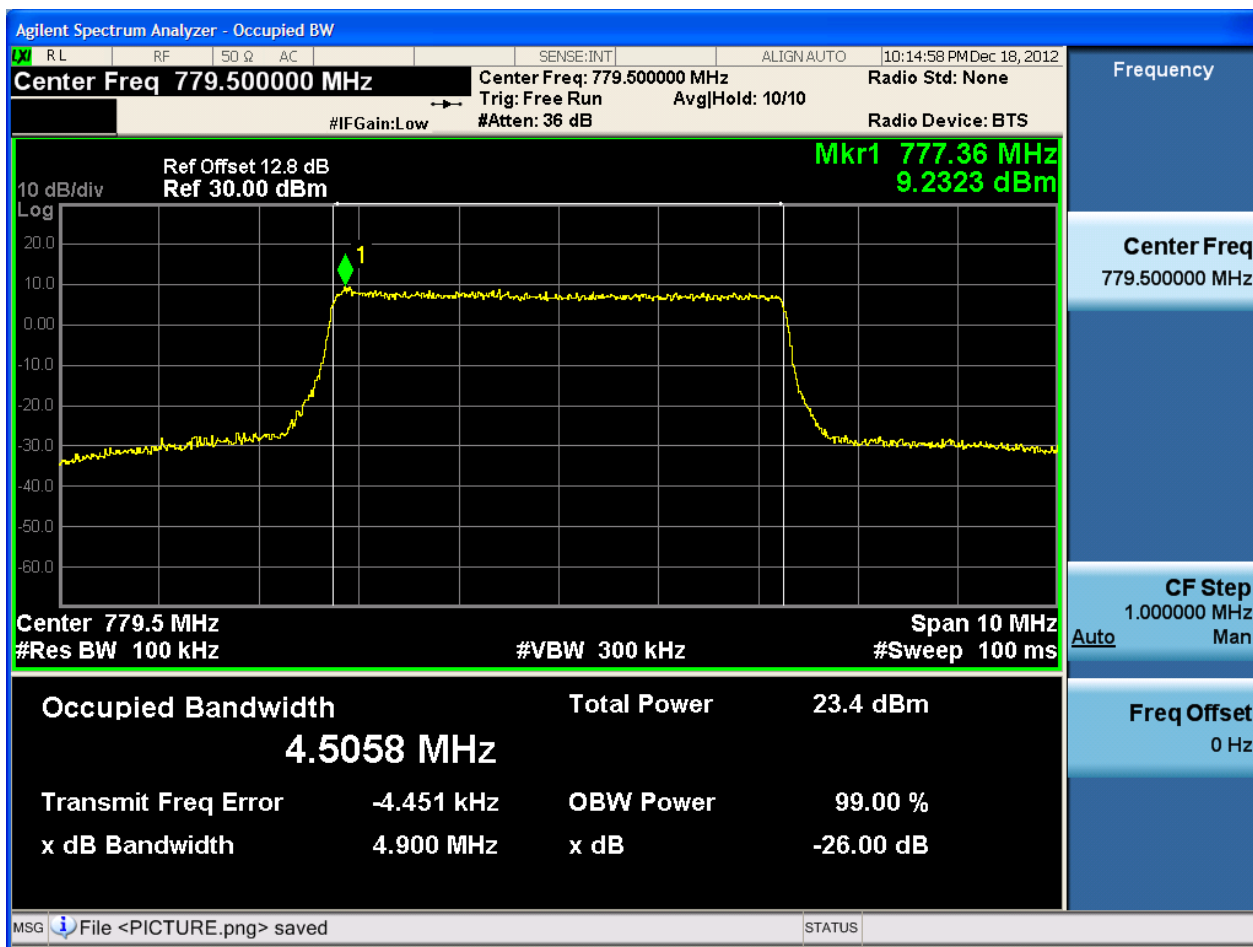


2.1.1.2 Test Mode = LTE/TM2

2.1.1.2.1 Test Bandwidth = 5

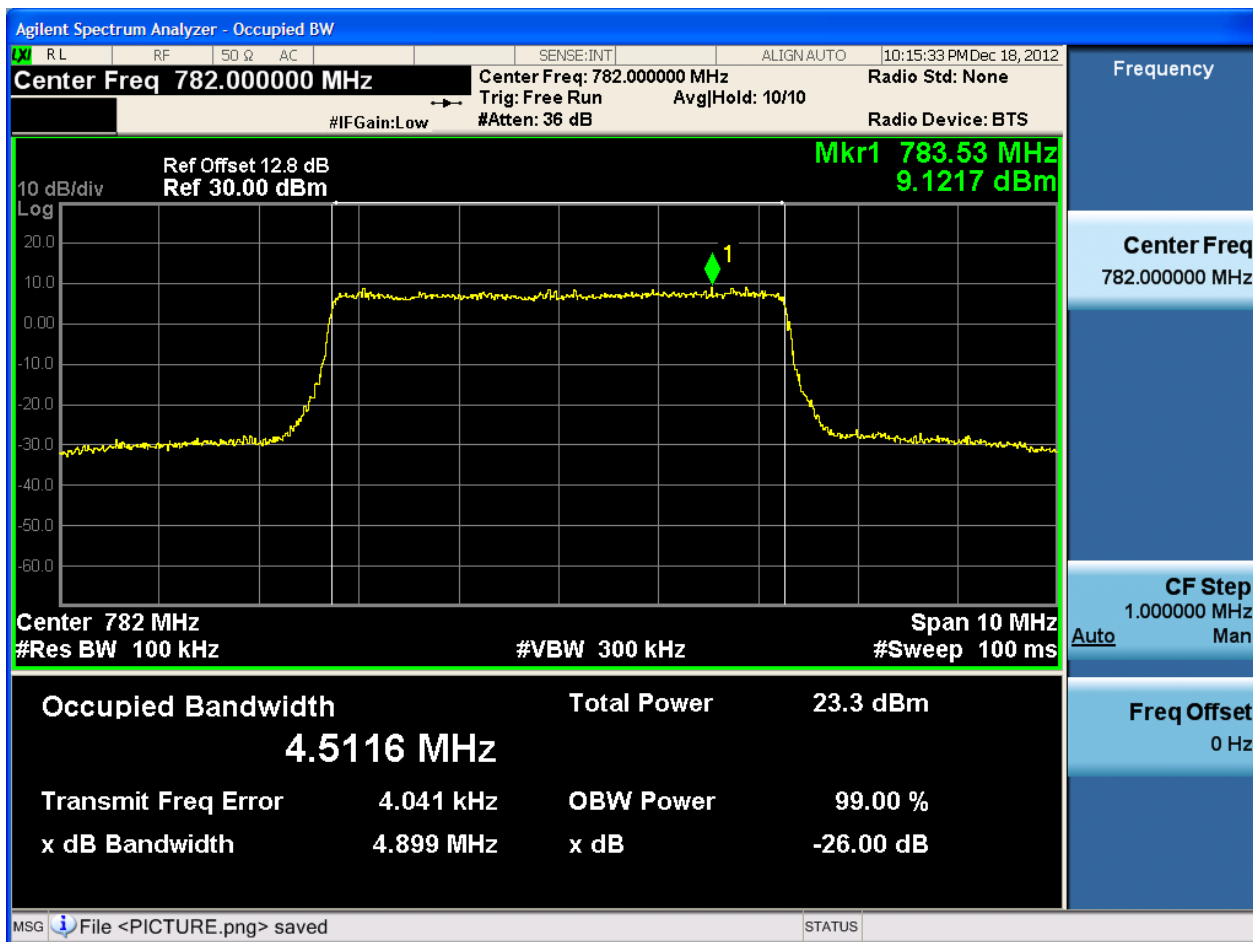
2.1.1.2.1.1 Test Channel = LCH

2.1.1.2.1.1.1 Test RB = RB25#0



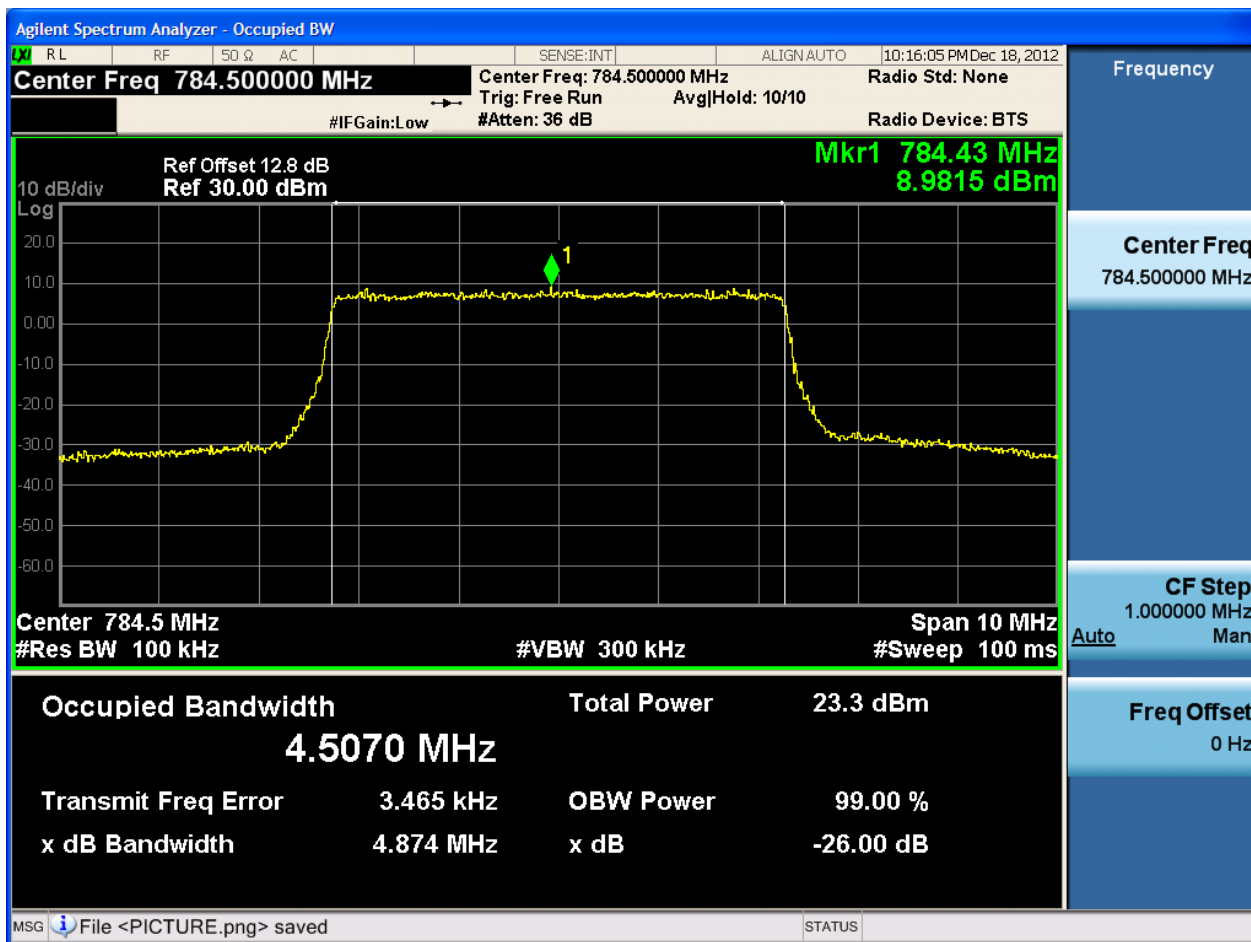
2.1.1.2.1.2 Test Channel = MCH

2.1.1.2.1.2.1 Test RB = RB25#0



2.1.1.2.1.3 Test Channel = HCH

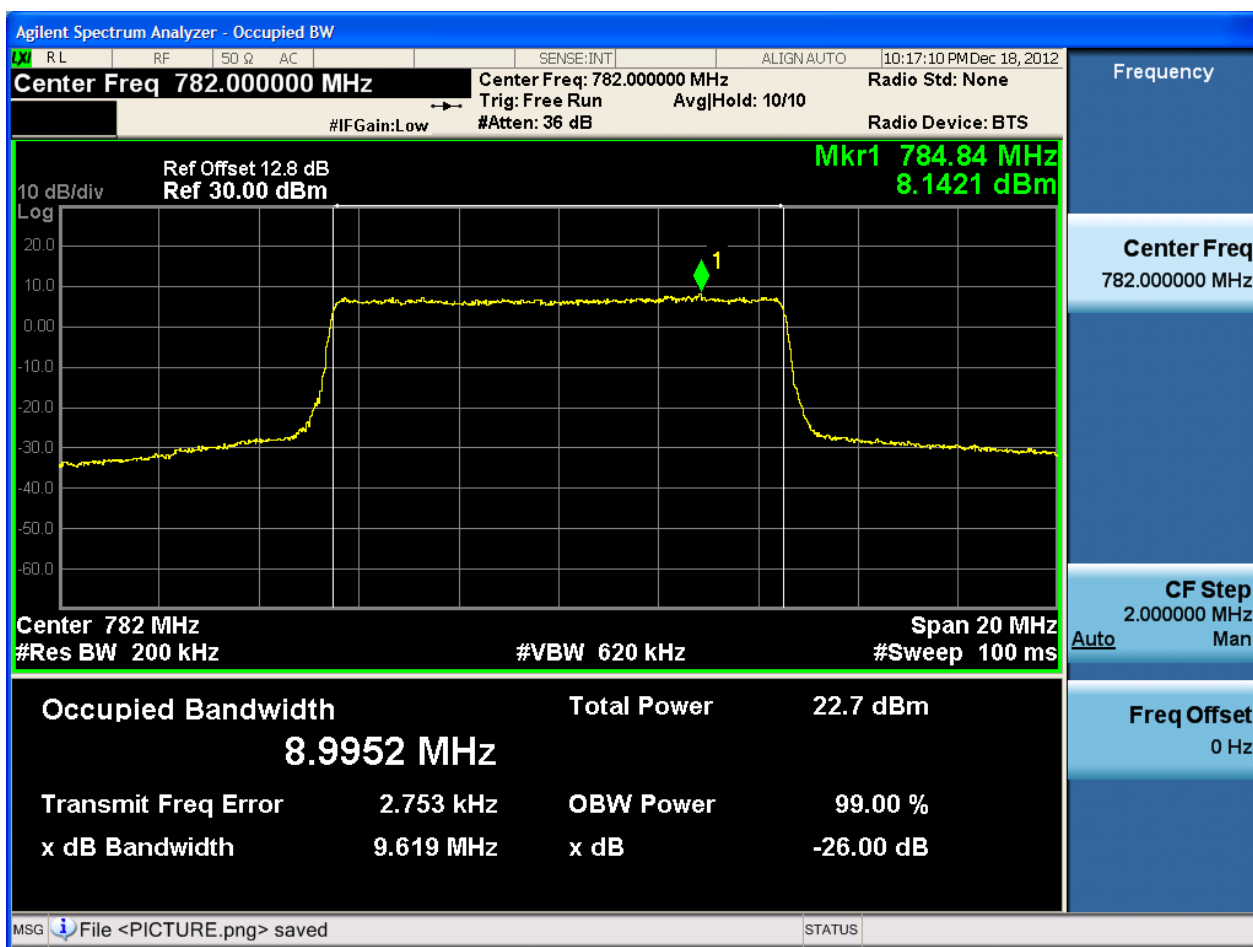
2.1.1.2.1.2.1 Test RB = RB25#0



2.1.1.2.2 Test Bandwidth = 10

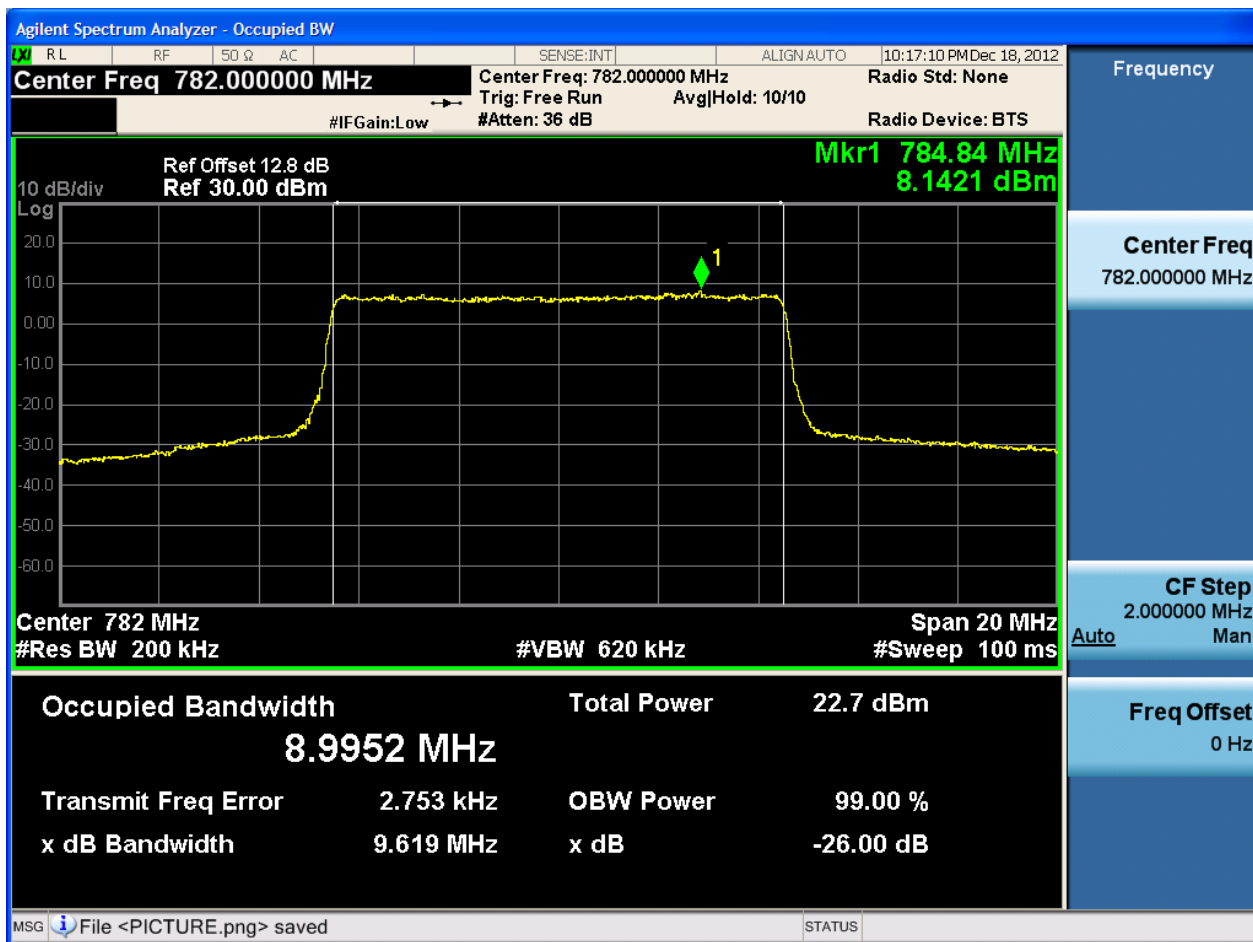
2.1.1.2.2.1 Test Channel = LCH

2.1.1.2.2.1.1 Test RB = RB50#0



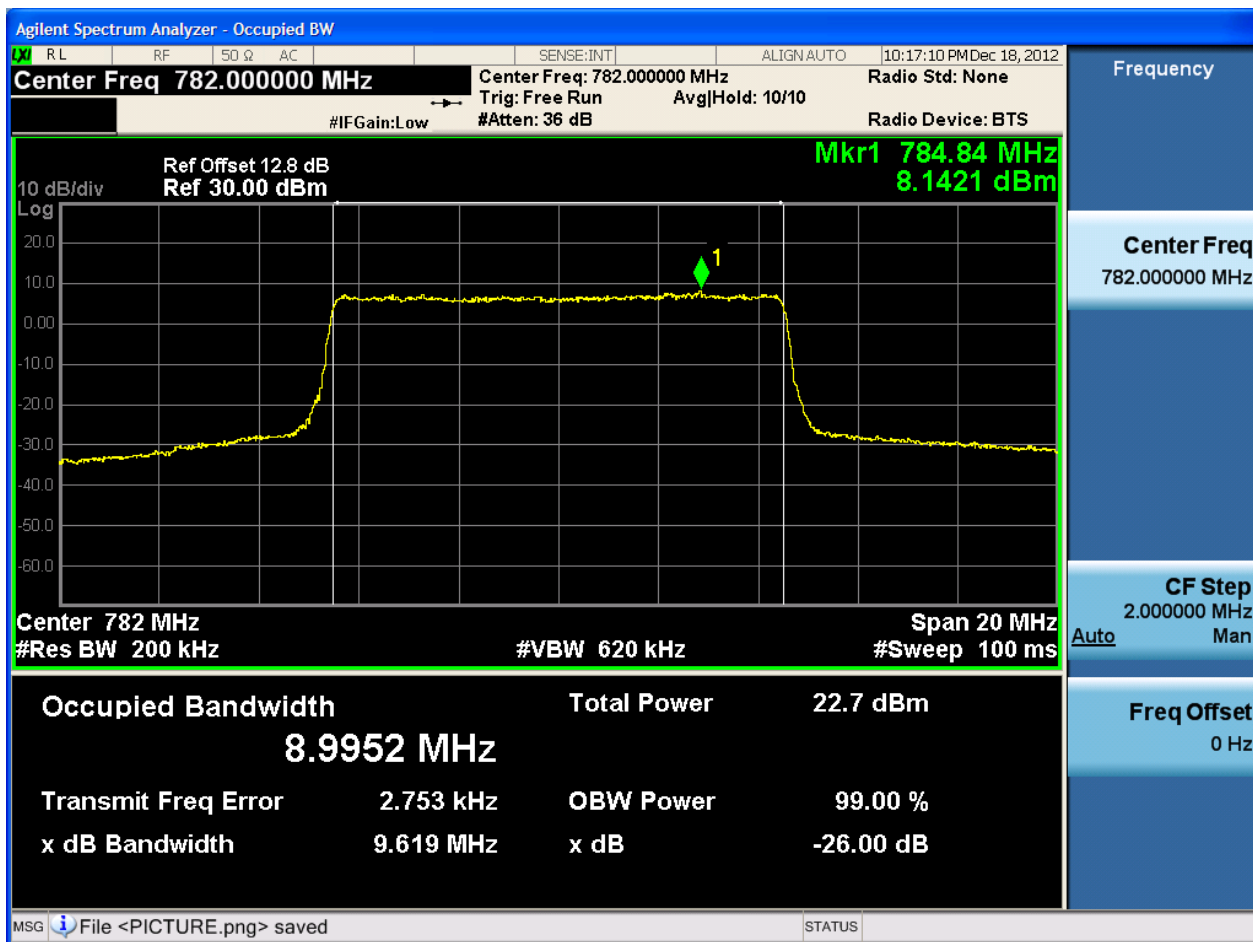
2.1.1.2.2.2 Test Channel = MCH

2.1.1.2.2.2.1 Test RB = RB50#0



2.1.1.2.2.3 Test Channel = HCH

2.1.1.2.2.2.1 Test RB = RB50#0



3Appendix_ C: Band Edges Compliance

3.1 For LTE

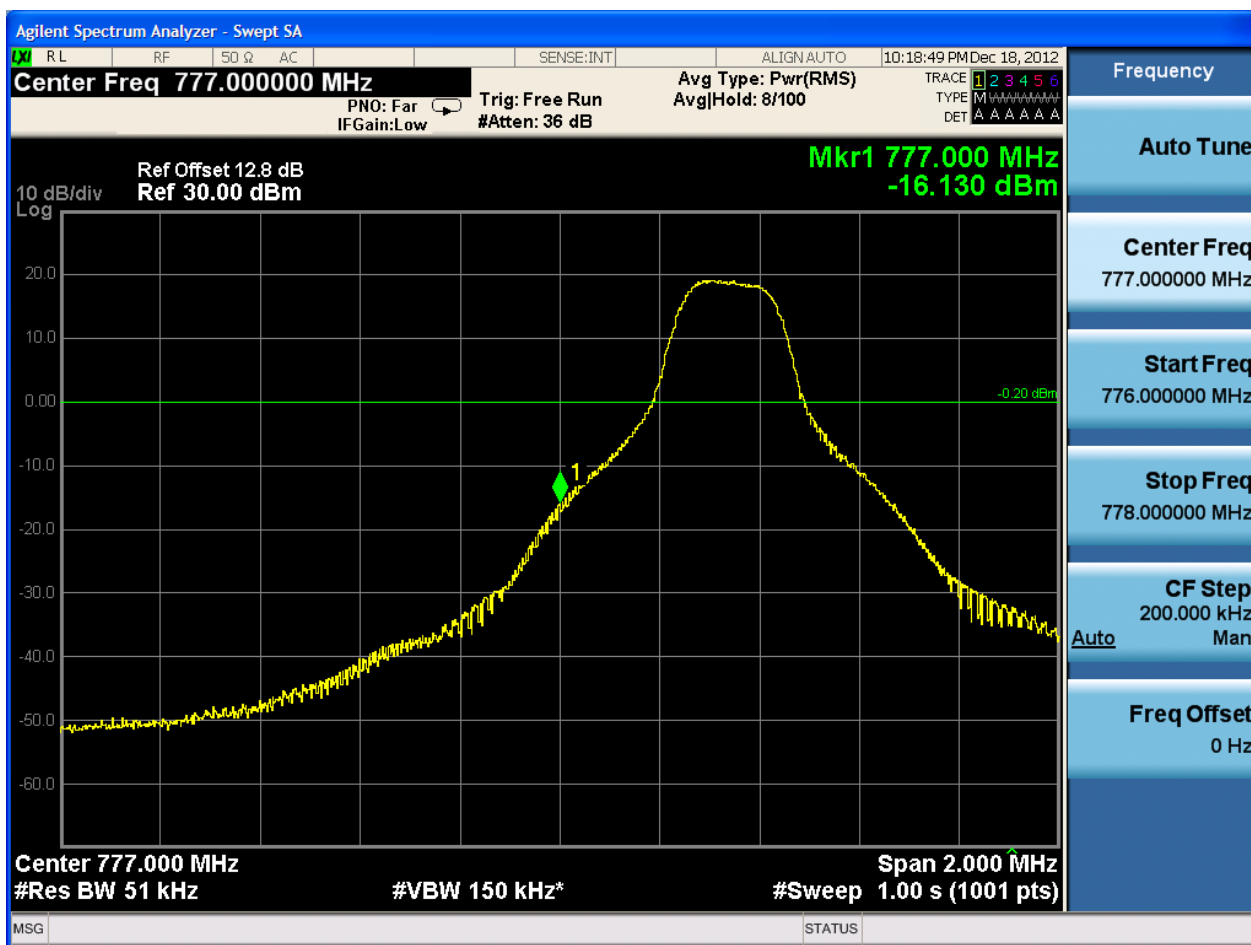
3.1.1 Test Band = BAND13

3.1.1.1 Test Mode = LTE/TM1

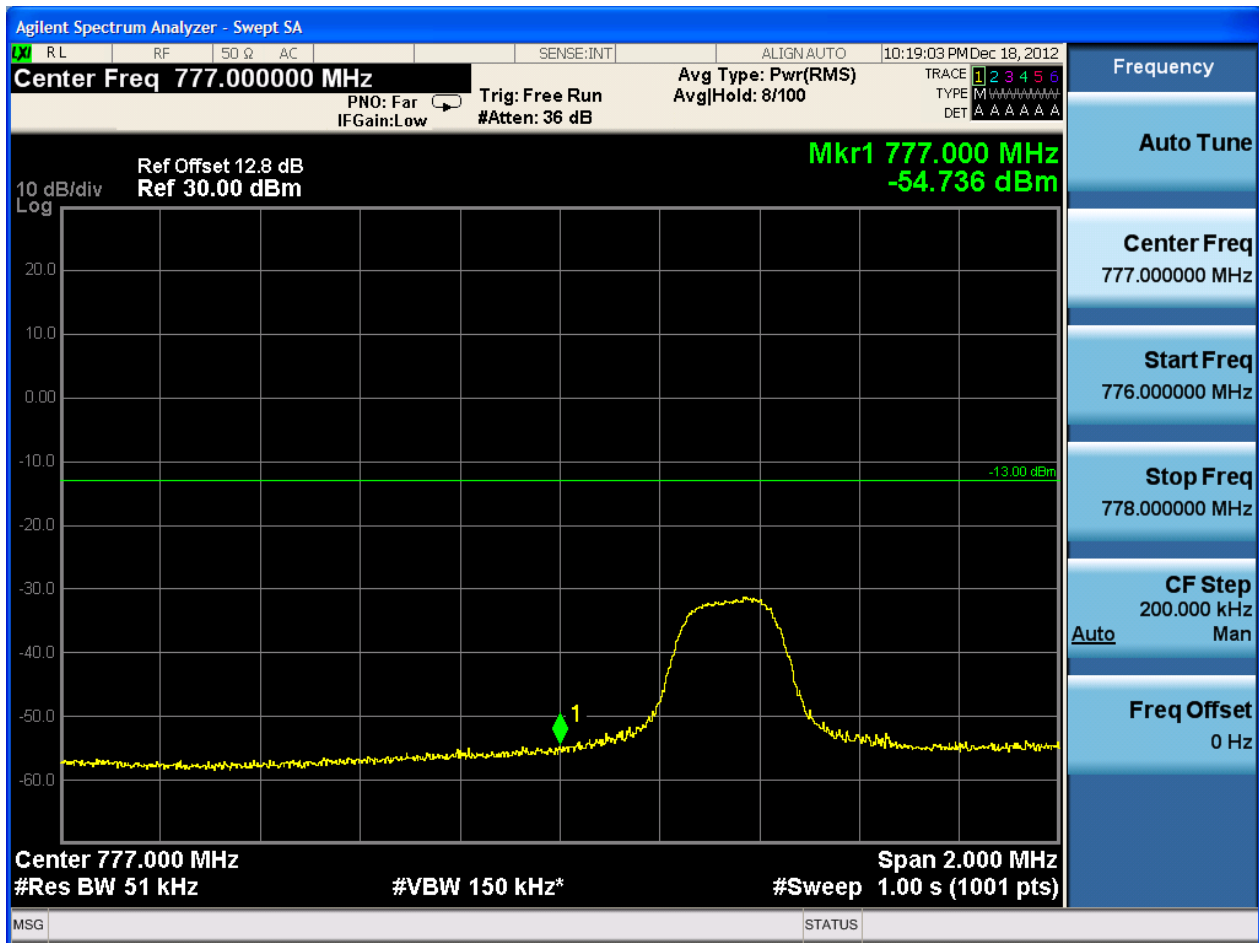
3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = LCH

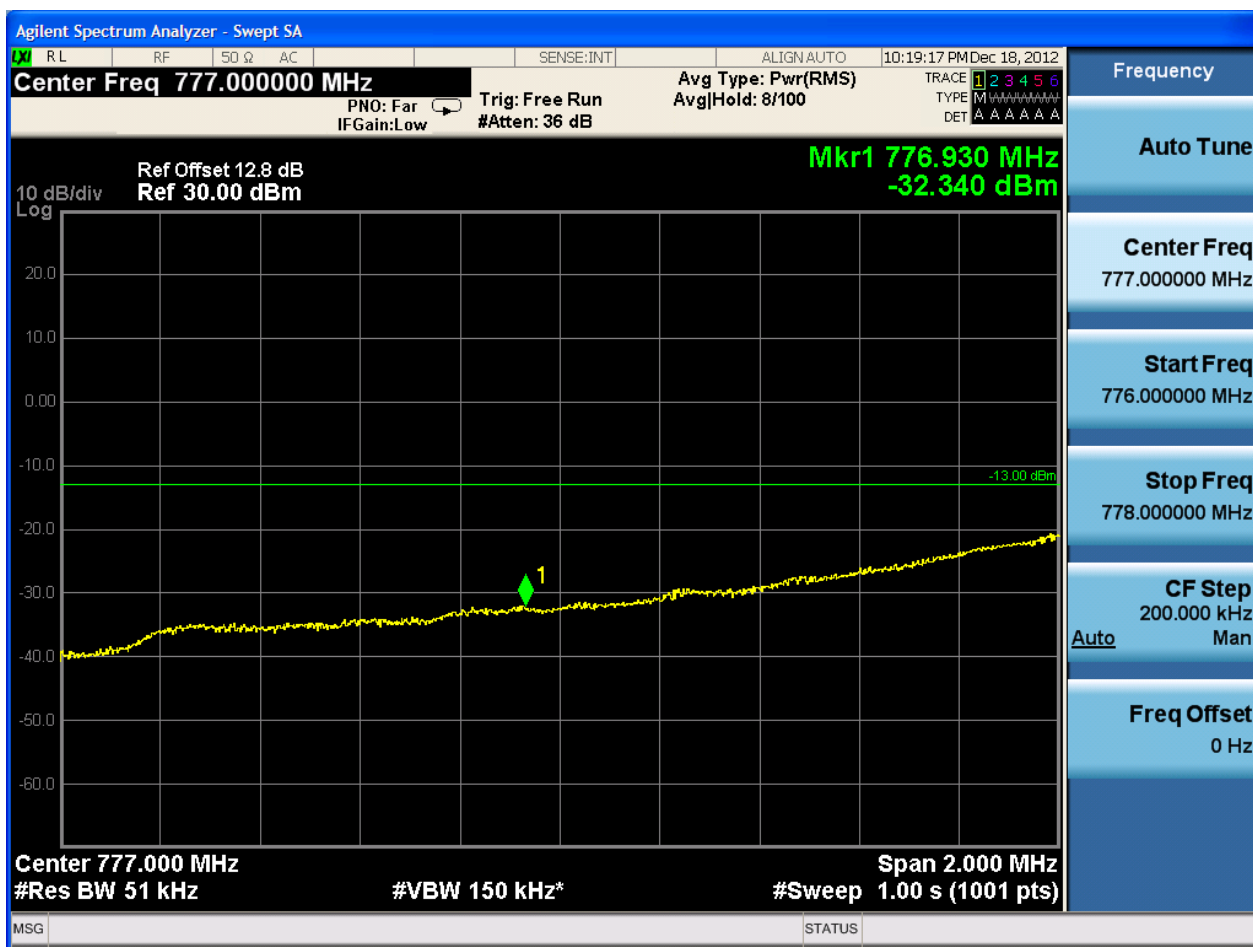
3.1.1.1.1.1.1 Test RB = RB1#0



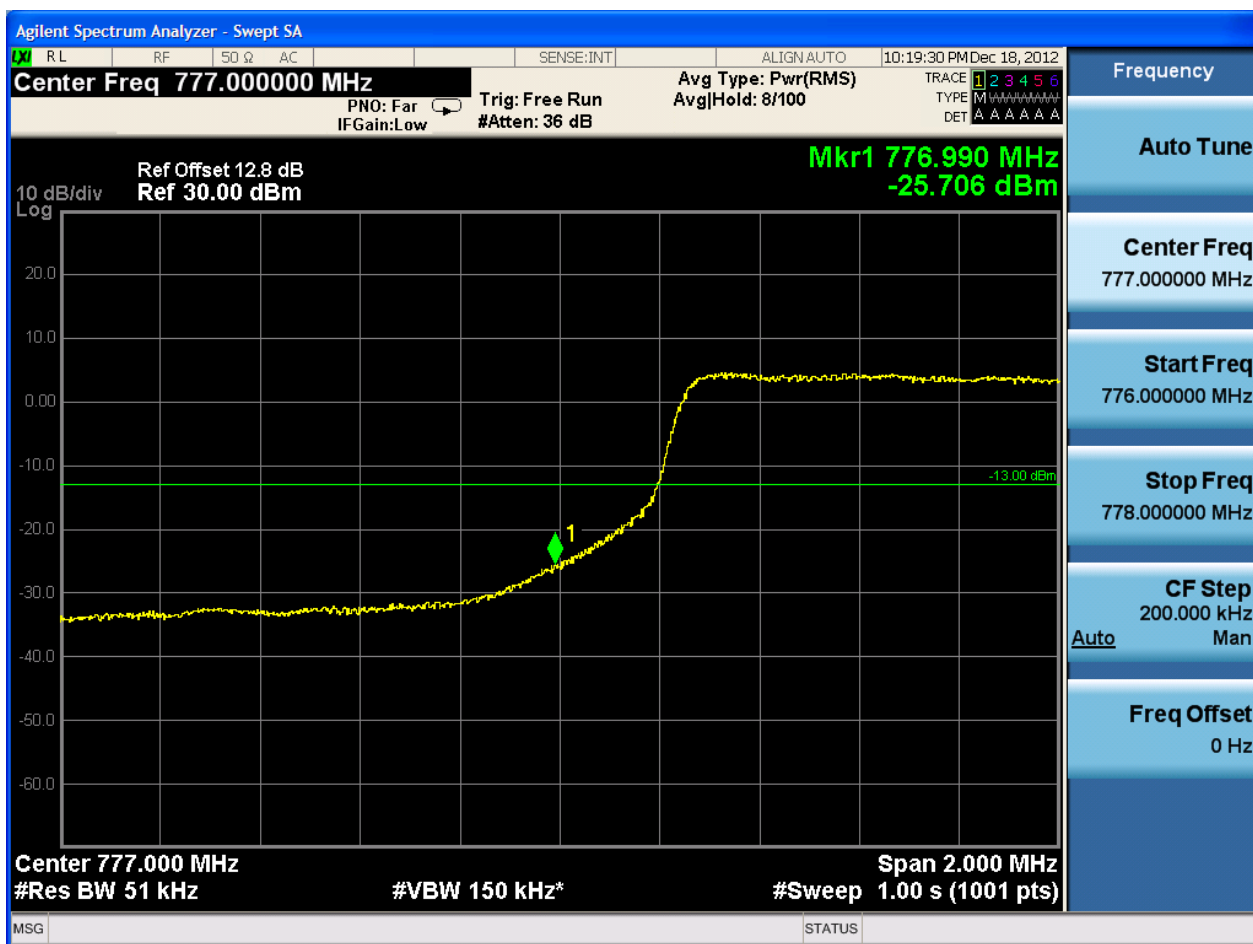
3.1.1.1.1.2 Test RB = RB1#24



3.1.1.1.1.3 Test RB = RB12#6

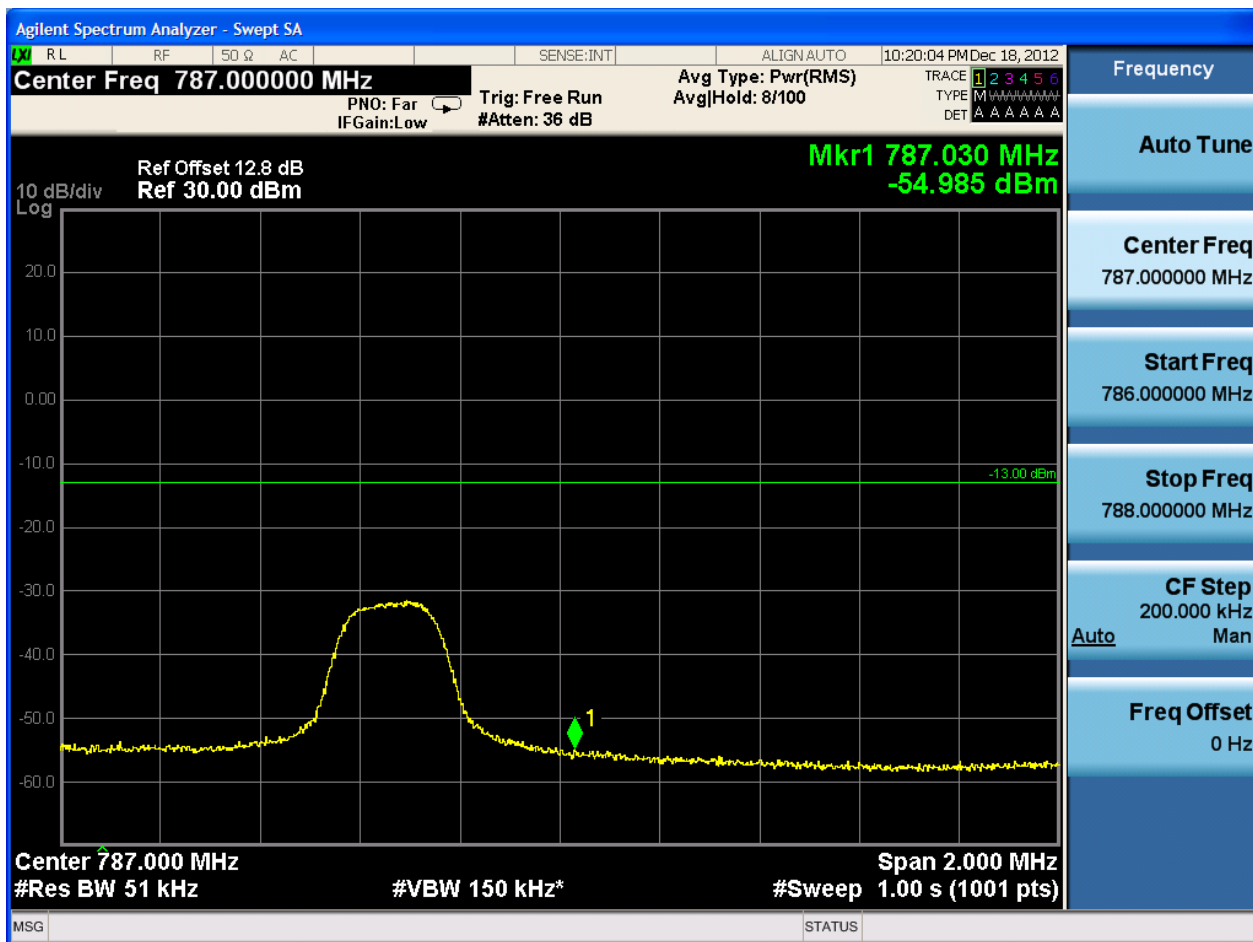


3.1.1.1.1.4 Test RB = RB25#0

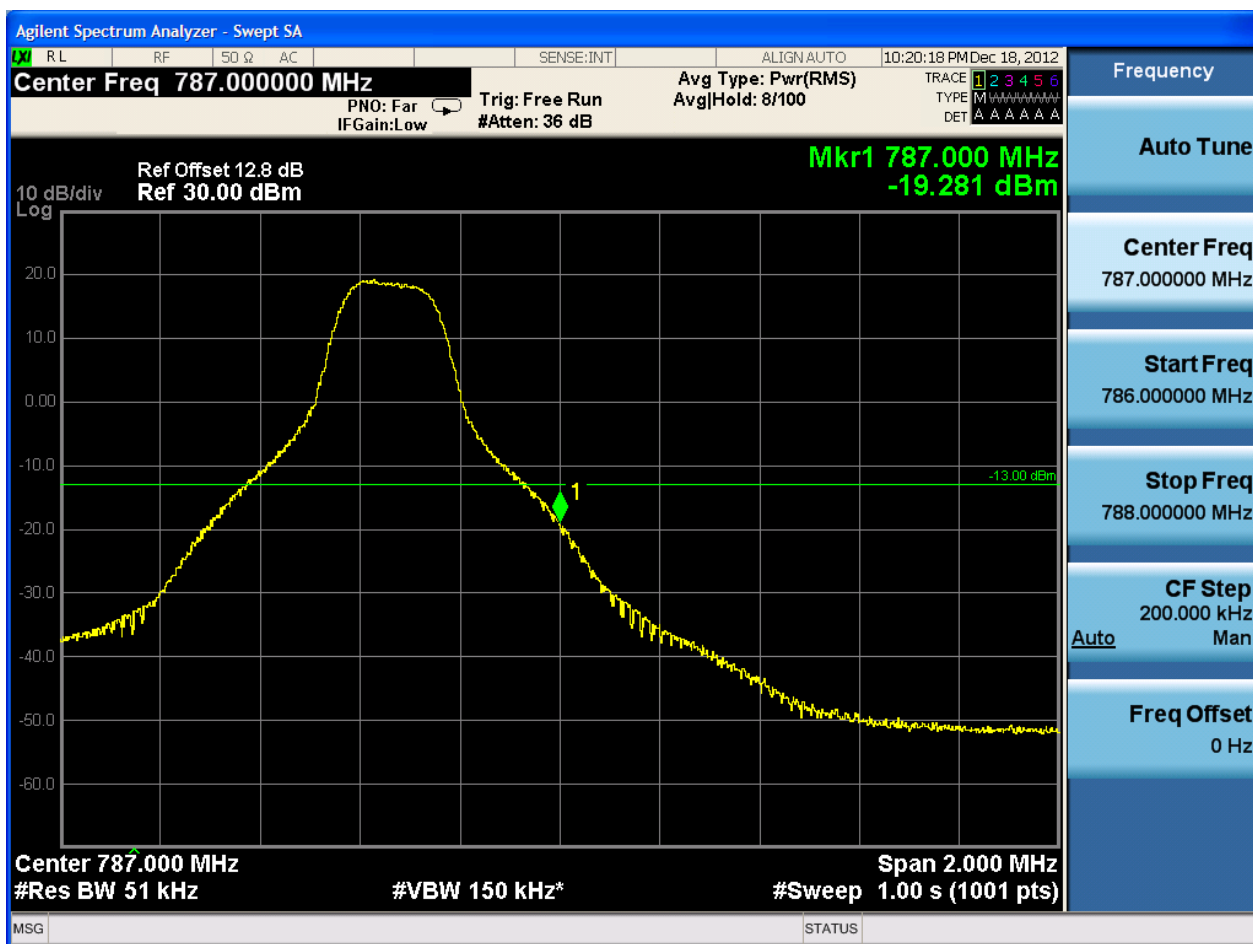


3.1.1.1.1.2 Test Channel = HCH

3.1.1.1.1.2.1 Test RB = RB1#0



3.1.1.1.1.2.2 Test RB = RB1#24



3.1.1.1.1.2.3 Test RB = RB12#6



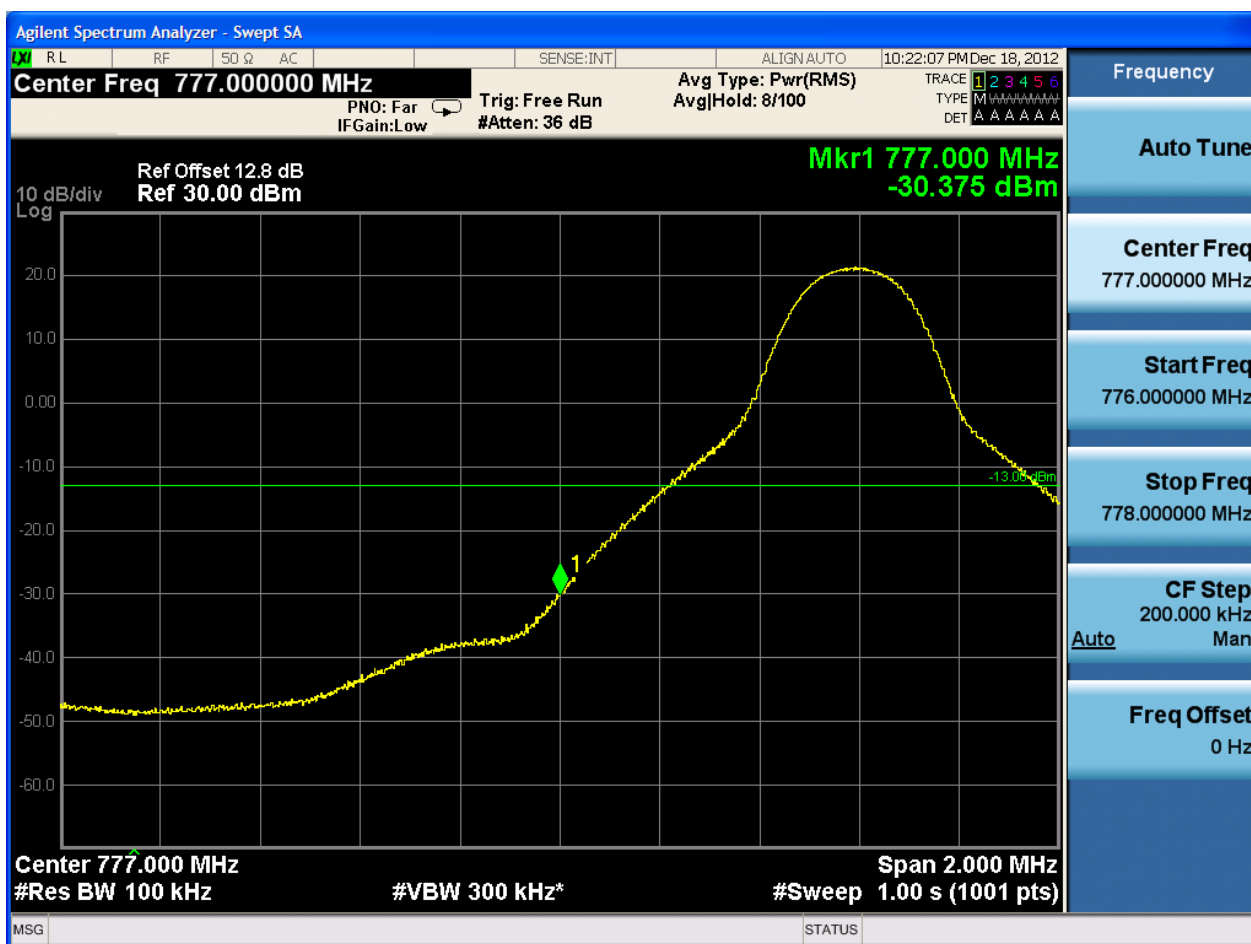
3.1.1.1.1.2.4 Test RB = RB25#0



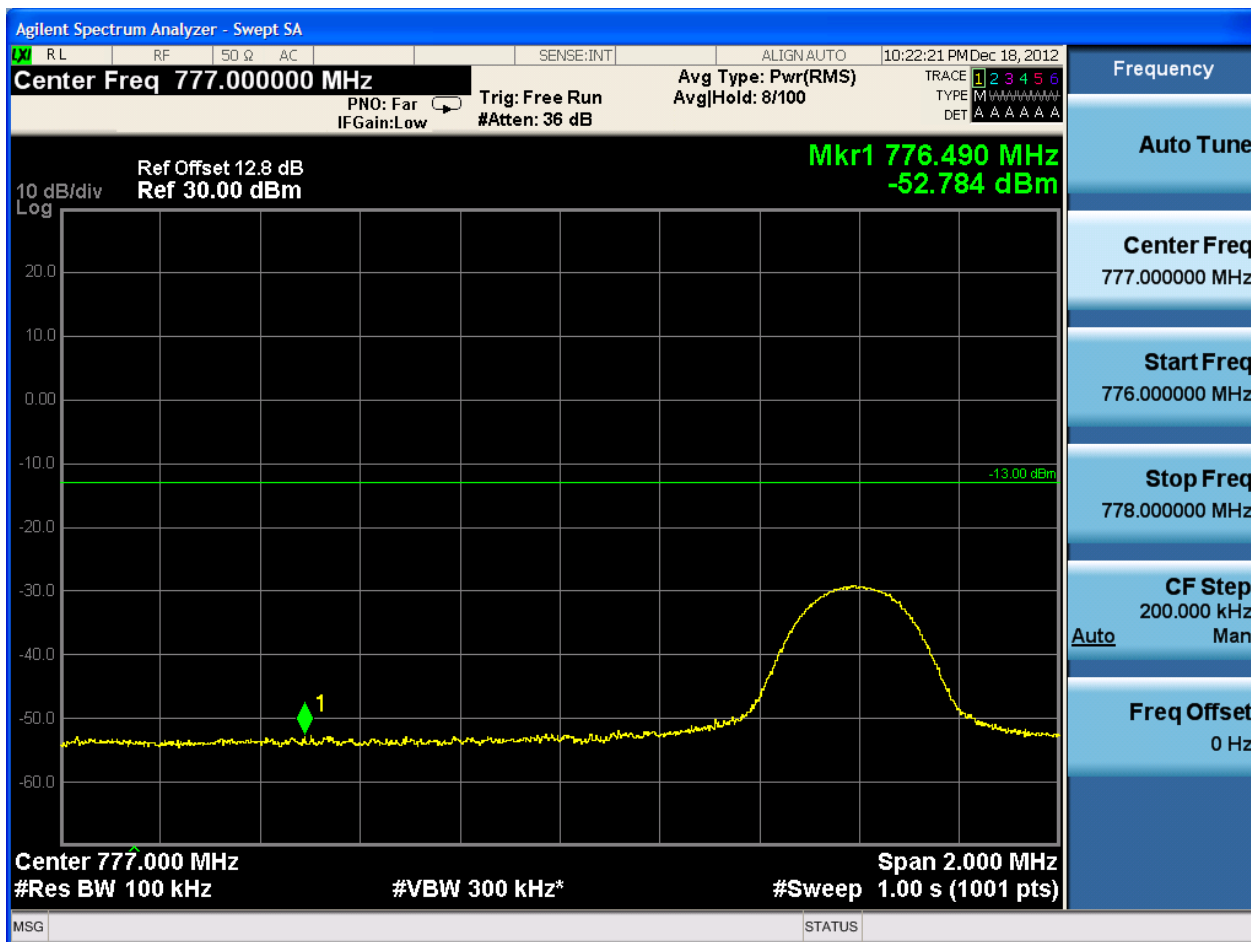
3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = LCH

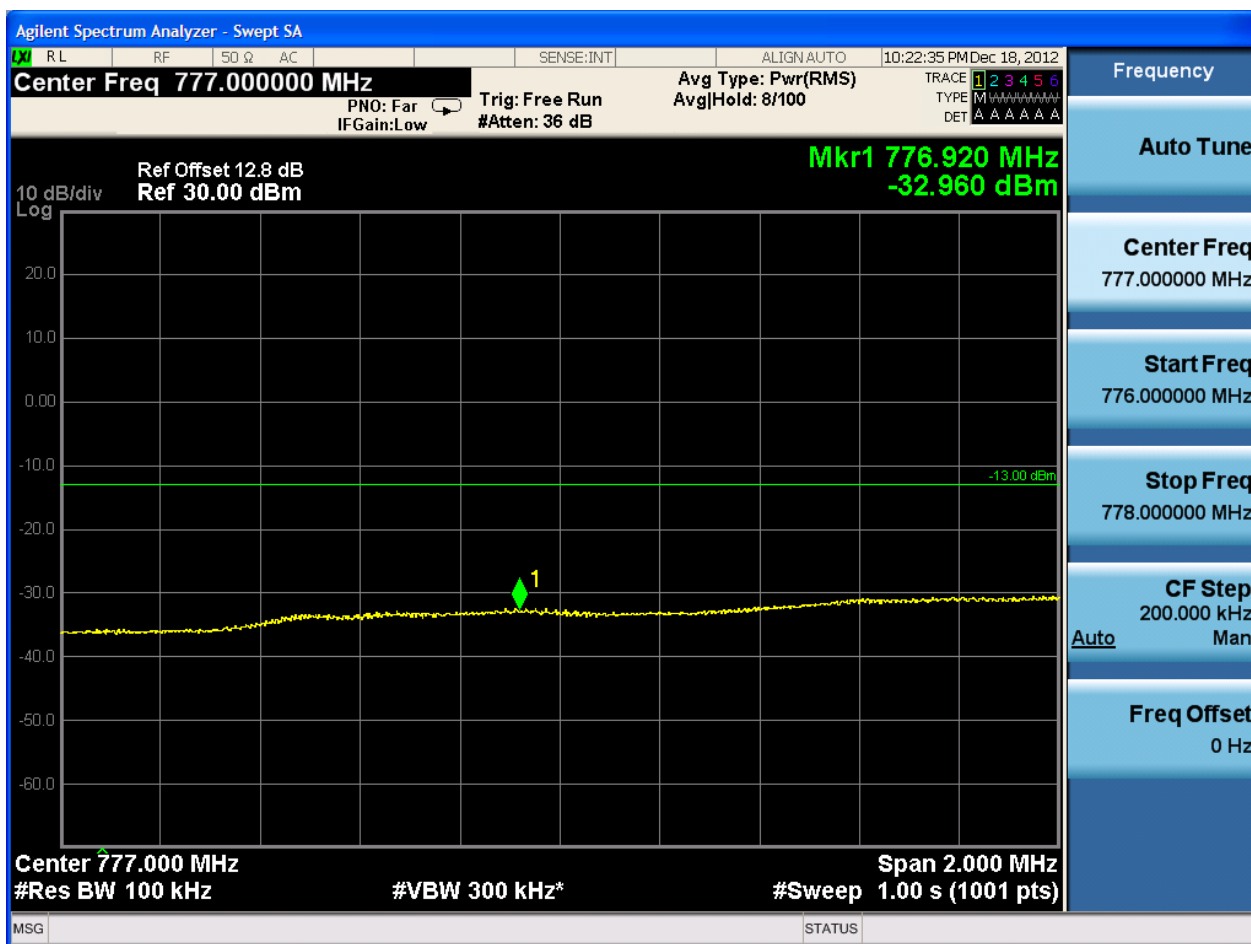
3.1.1.1.2.1.1 Test RB = RB1#0



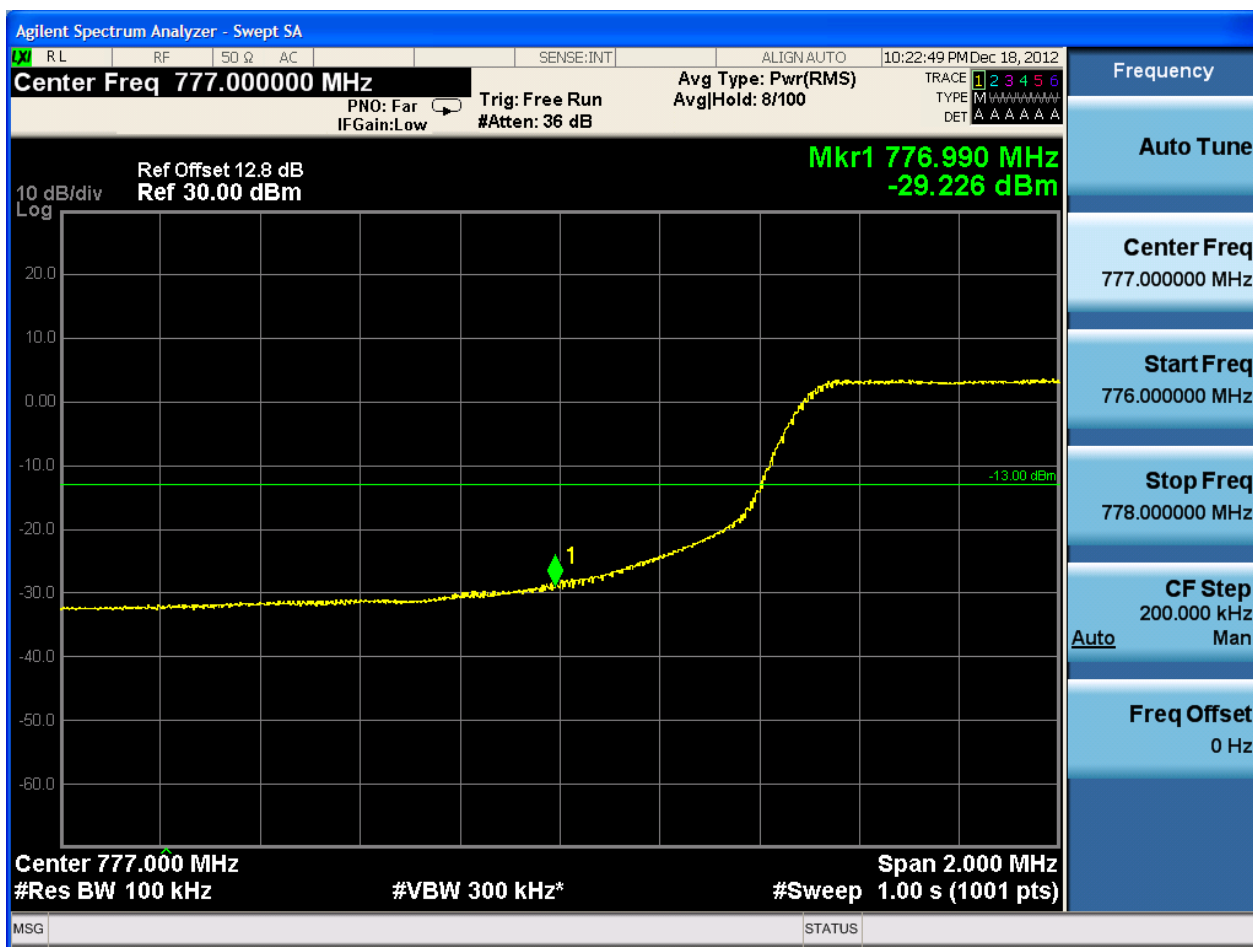
3.1.1.1.2.1.2 Test RB = RB1#49



3.1.1.1.2.1.3 Test RB = RB25#13

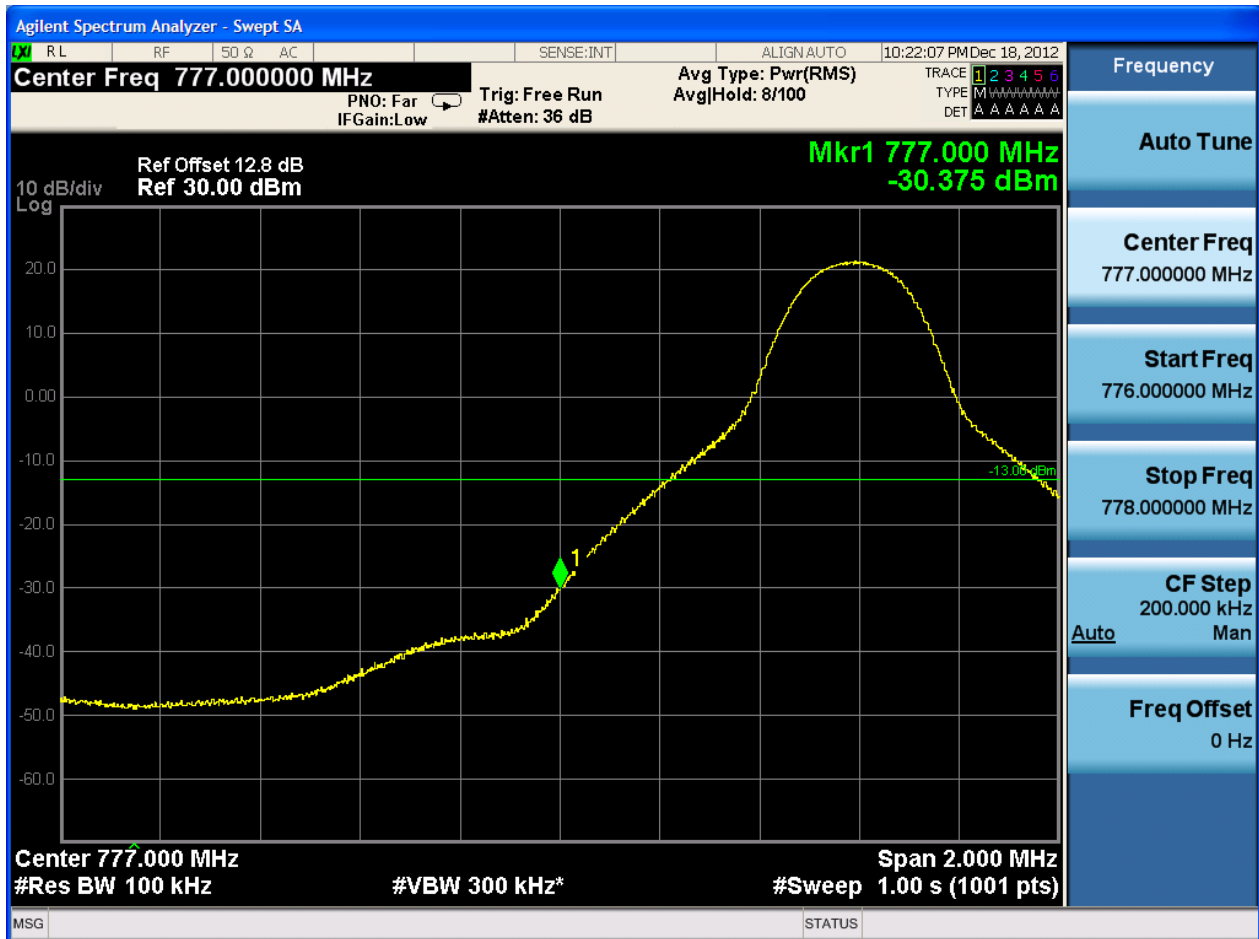


3.1.1.1.2.1.4 Test RB = RB50#0

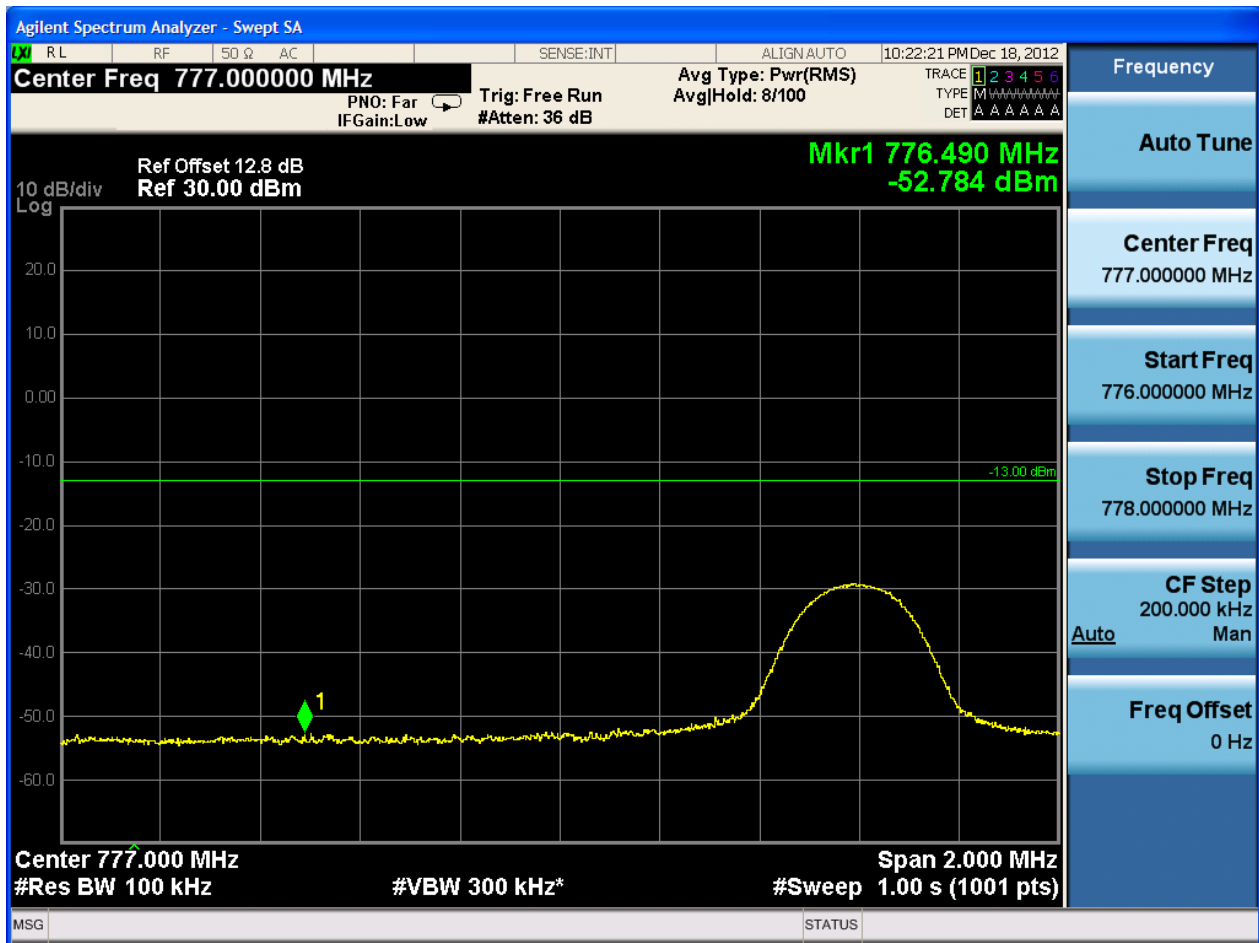


3.1.1.1.2.2 Test Channel = HCH

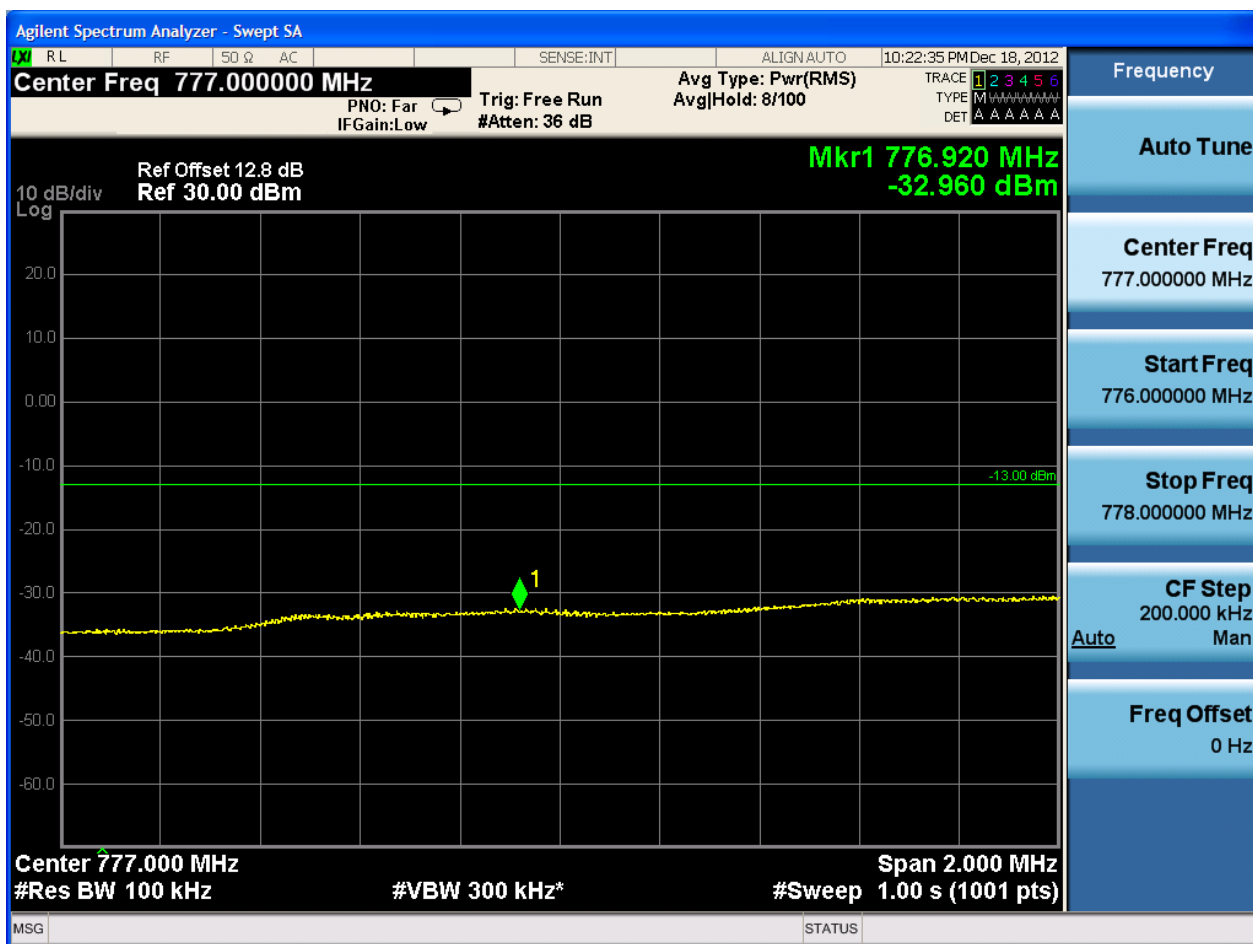
3.1.1.1.2.2.1 Test RB = RB1#0



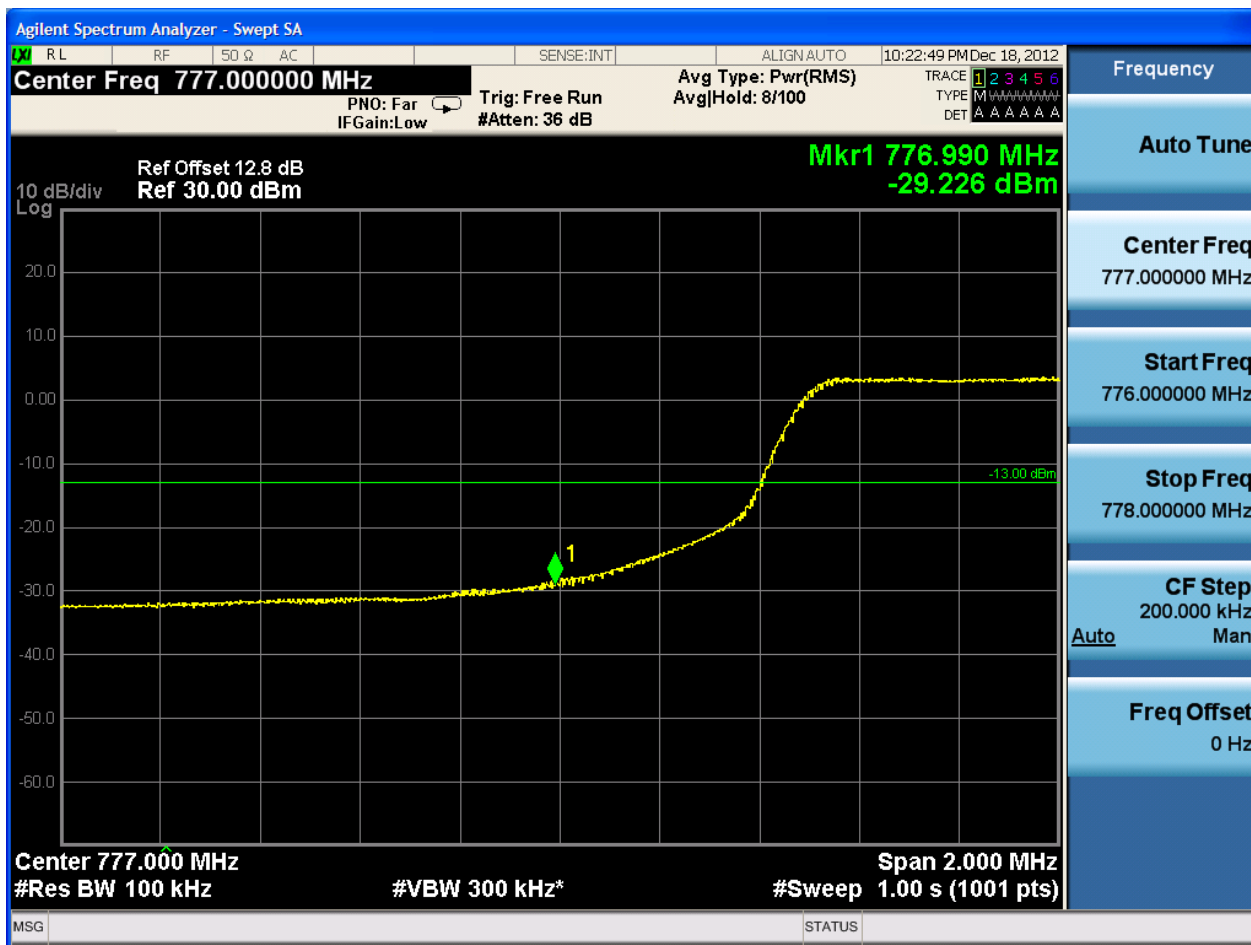
3.1.1.1.2.2.2 Test RB = RB1#49



3.1.1.1.2.2.3 Test RB = RB25#13



3.1.1.1.2.2.4 Test RB = RB50#0

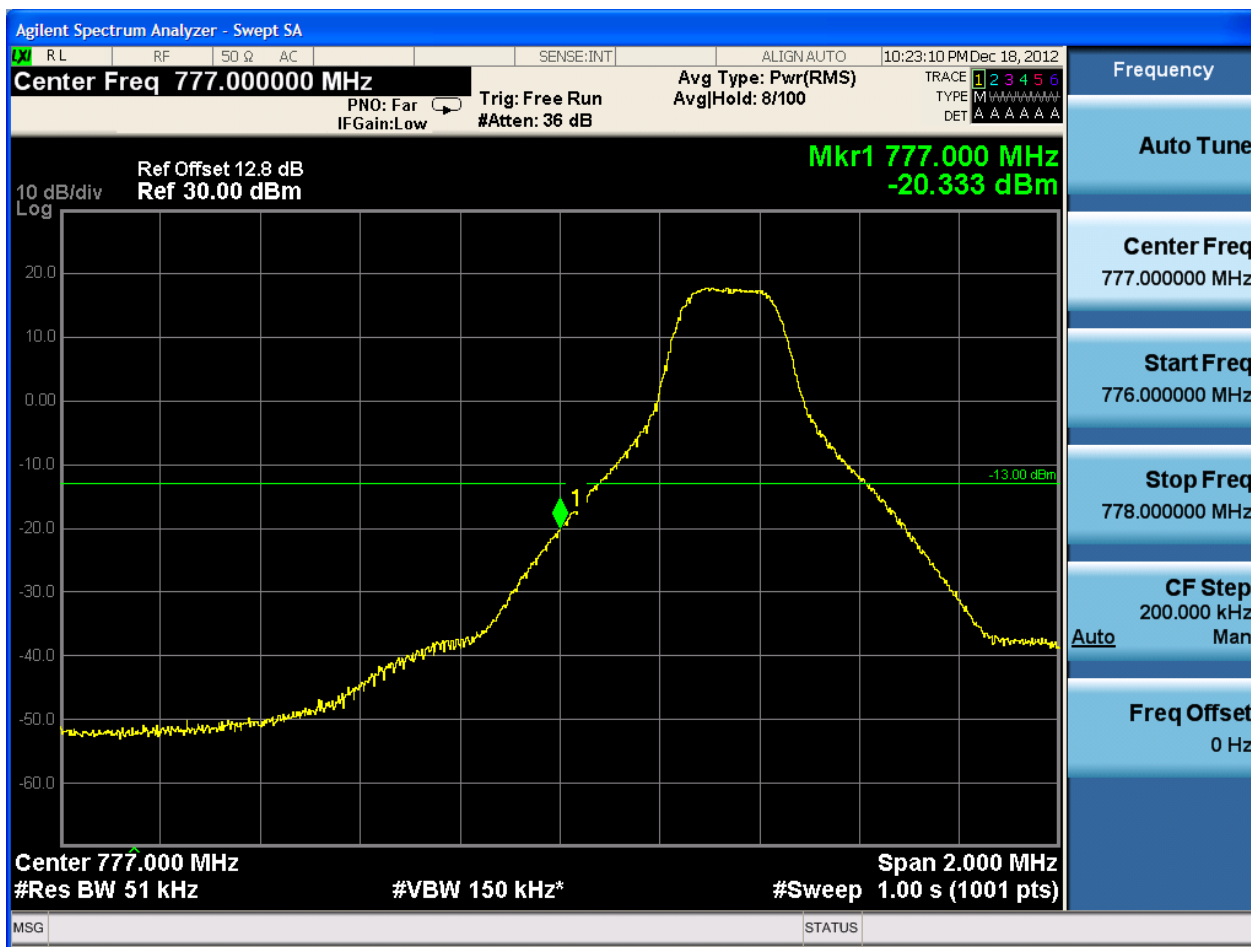


3.1.1.2 Test Mode = LTE/TM2

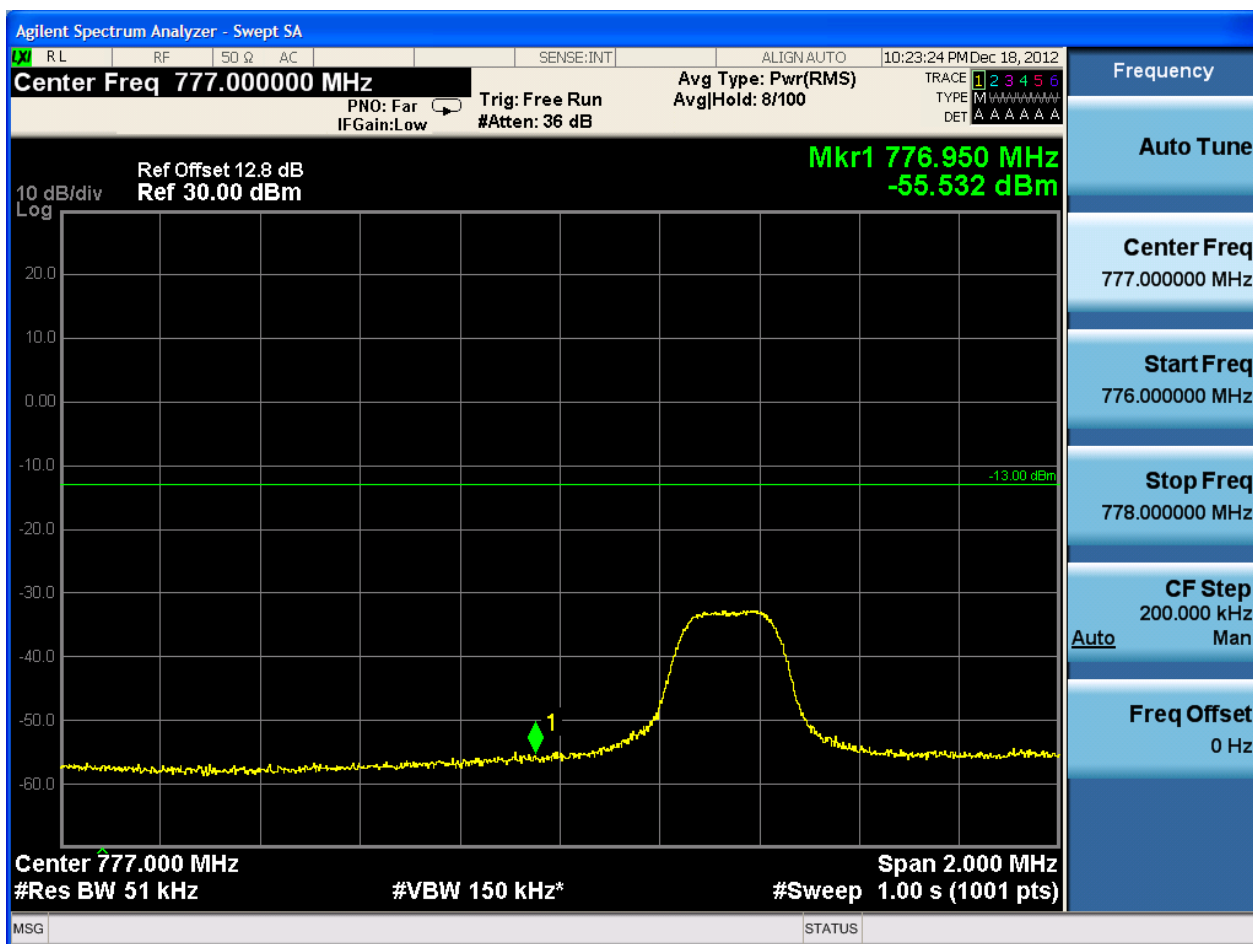
3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = LCH

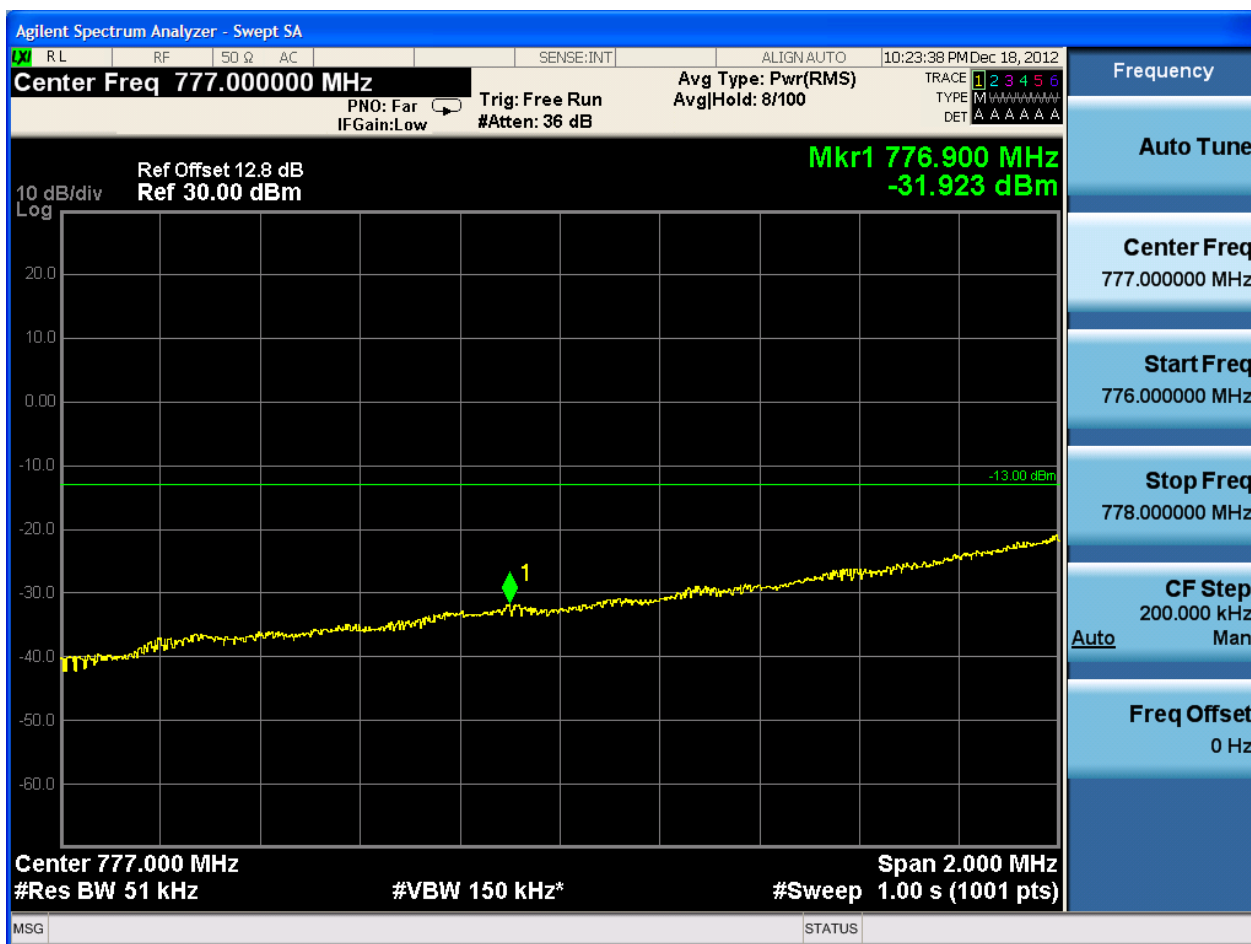
3.1.1.2.1.1.1 Test RB = RB1#0



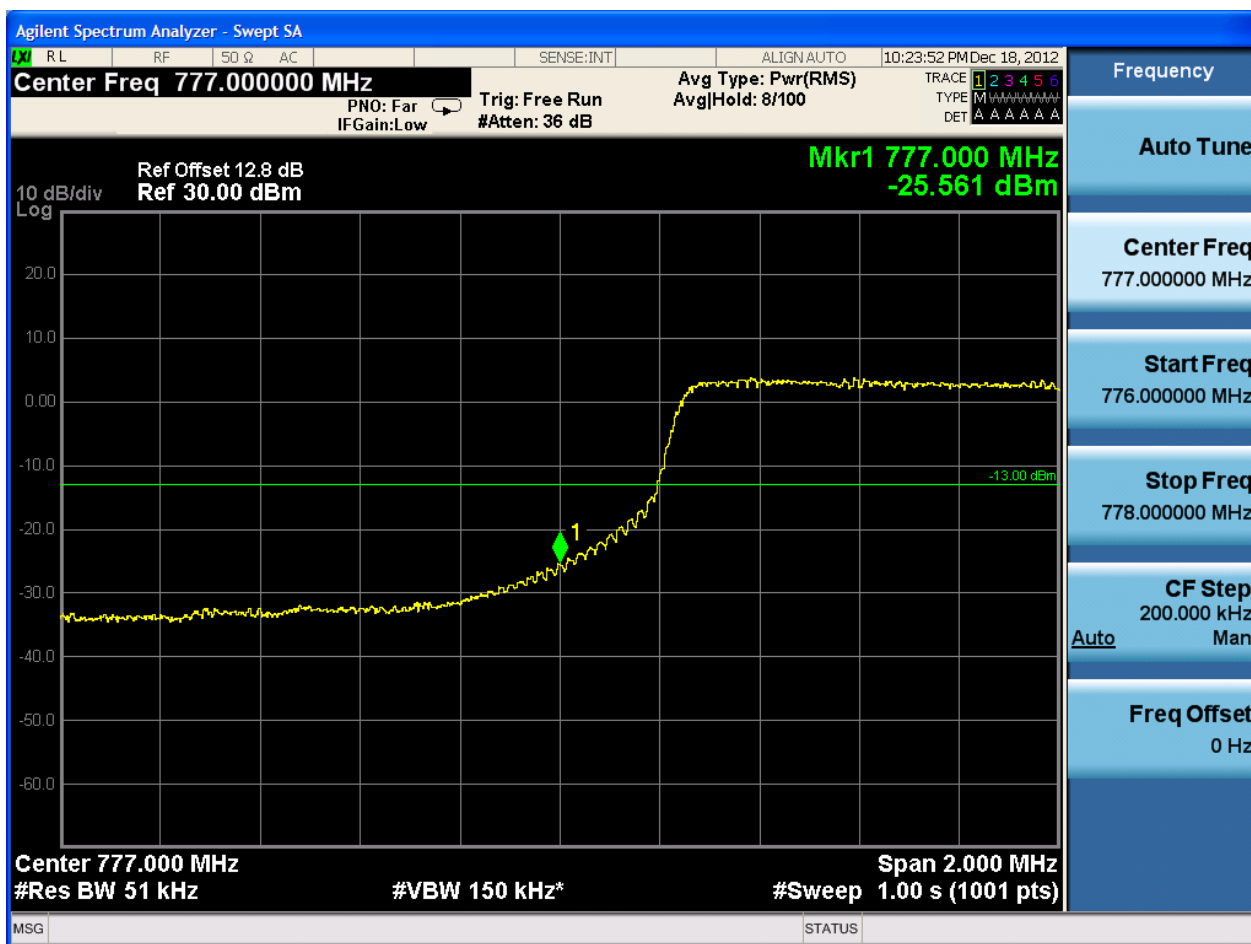
3.1.1.2.1.1.2 Test RB = RB1#24



3.1.1.2.1.1.3 Test RB = RB12#6

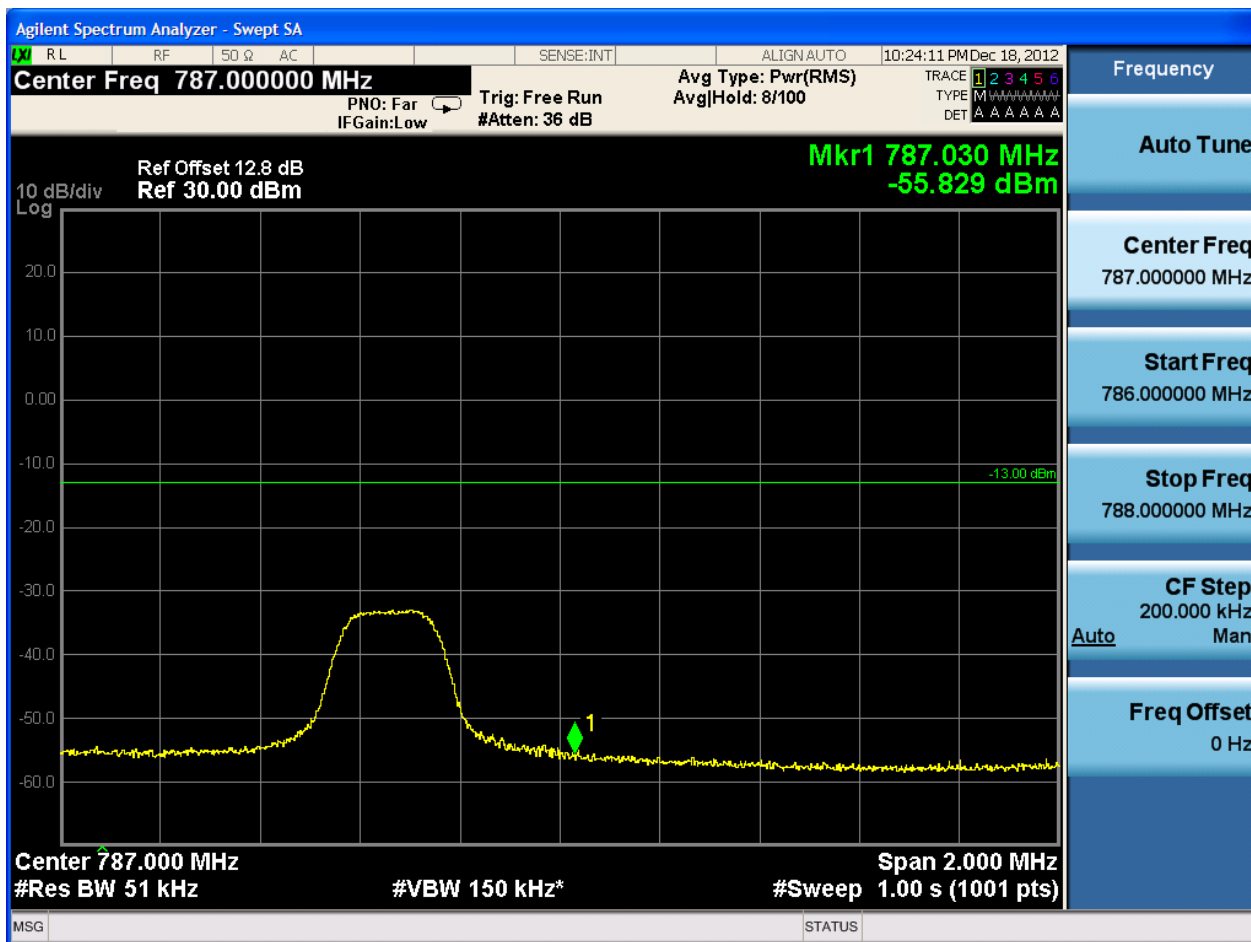


3.1.1.2.1.1.4 Test RB = RB25#0

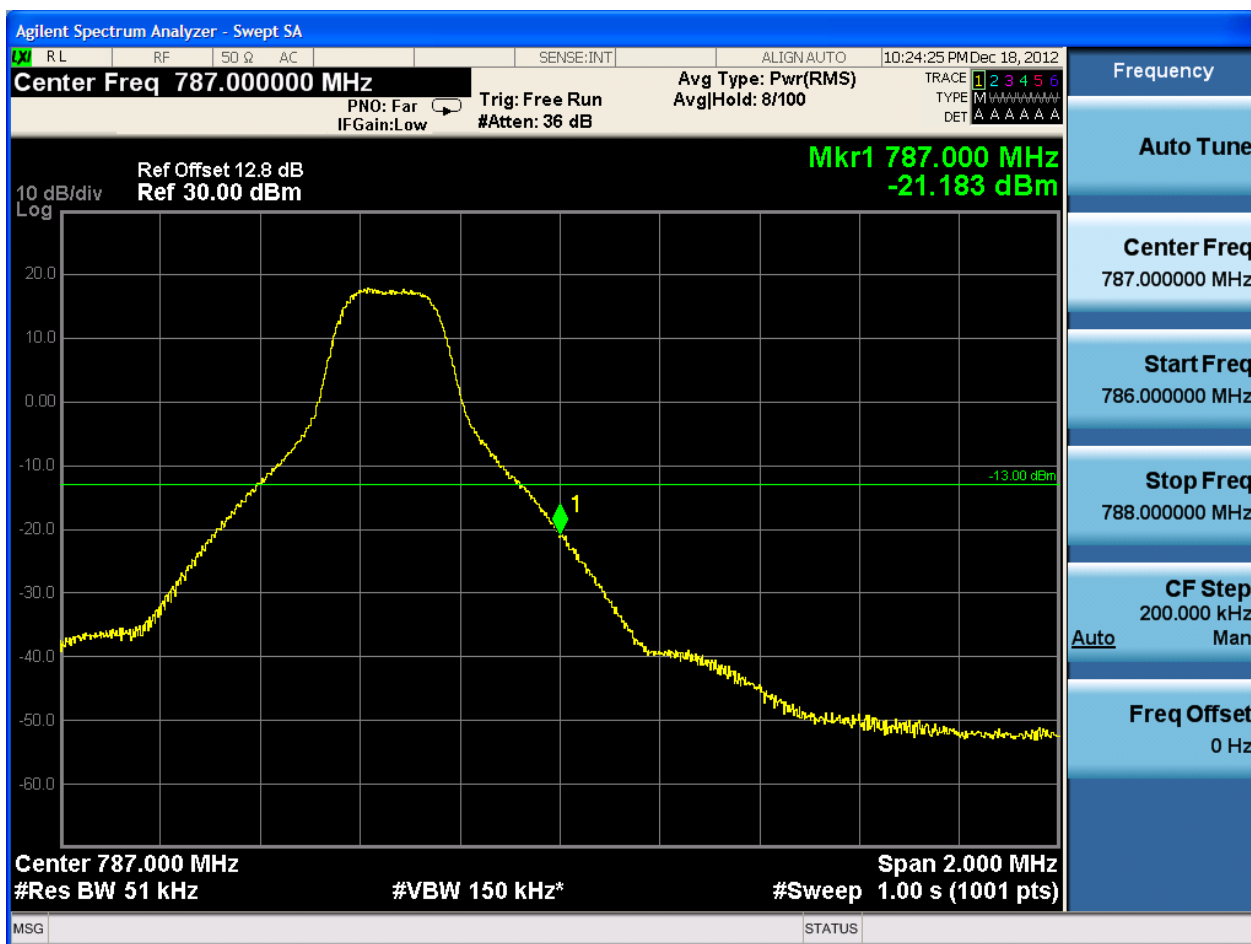


3.1.1.2.1.2 Test Channel = HCH

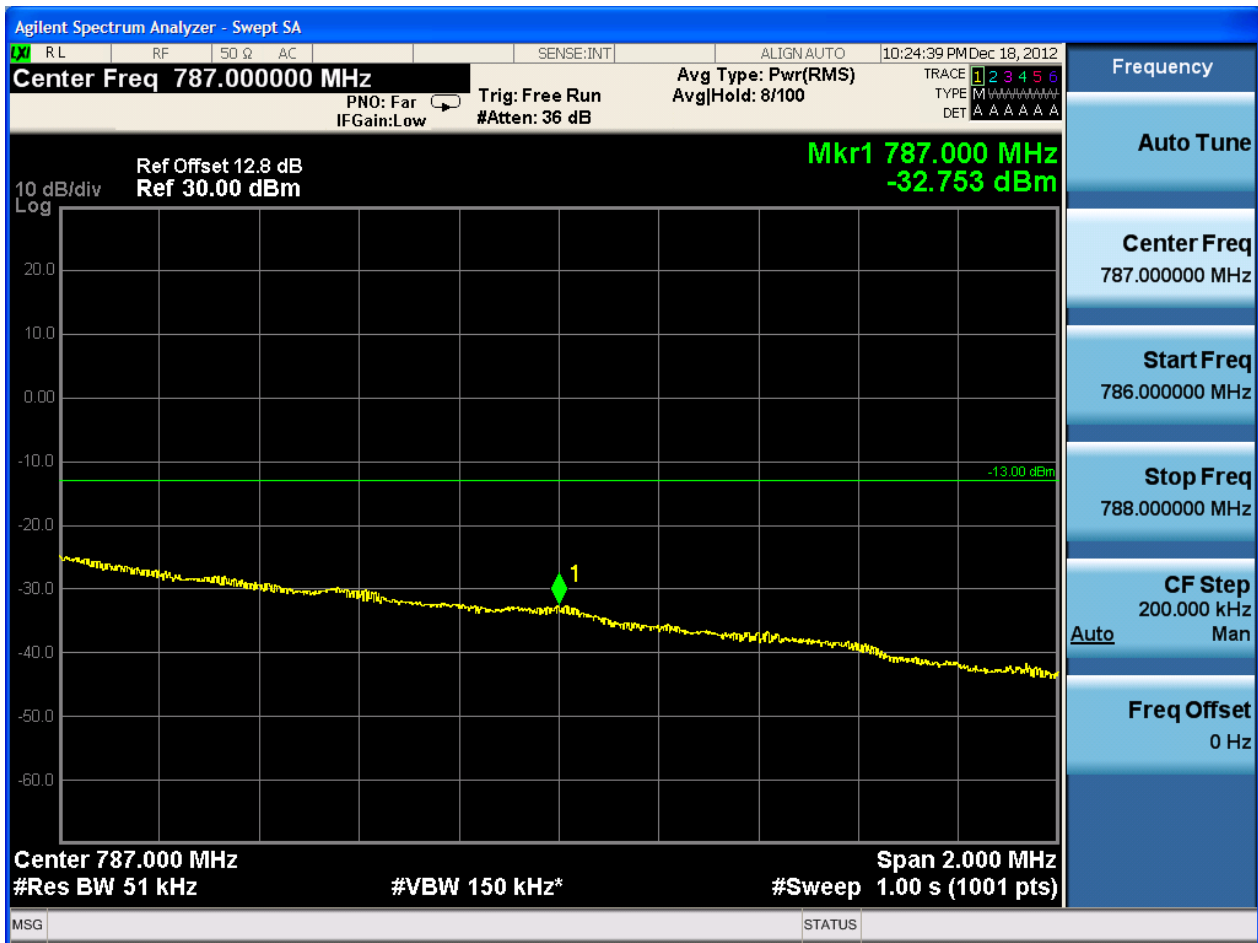
3.1.1.2.1.2.1 Test RB = RB1#0



3.1.1.2.1.2.2 Test RB = RB1#24



3.1.1.2.1.2.3 Test RB = RB12#6





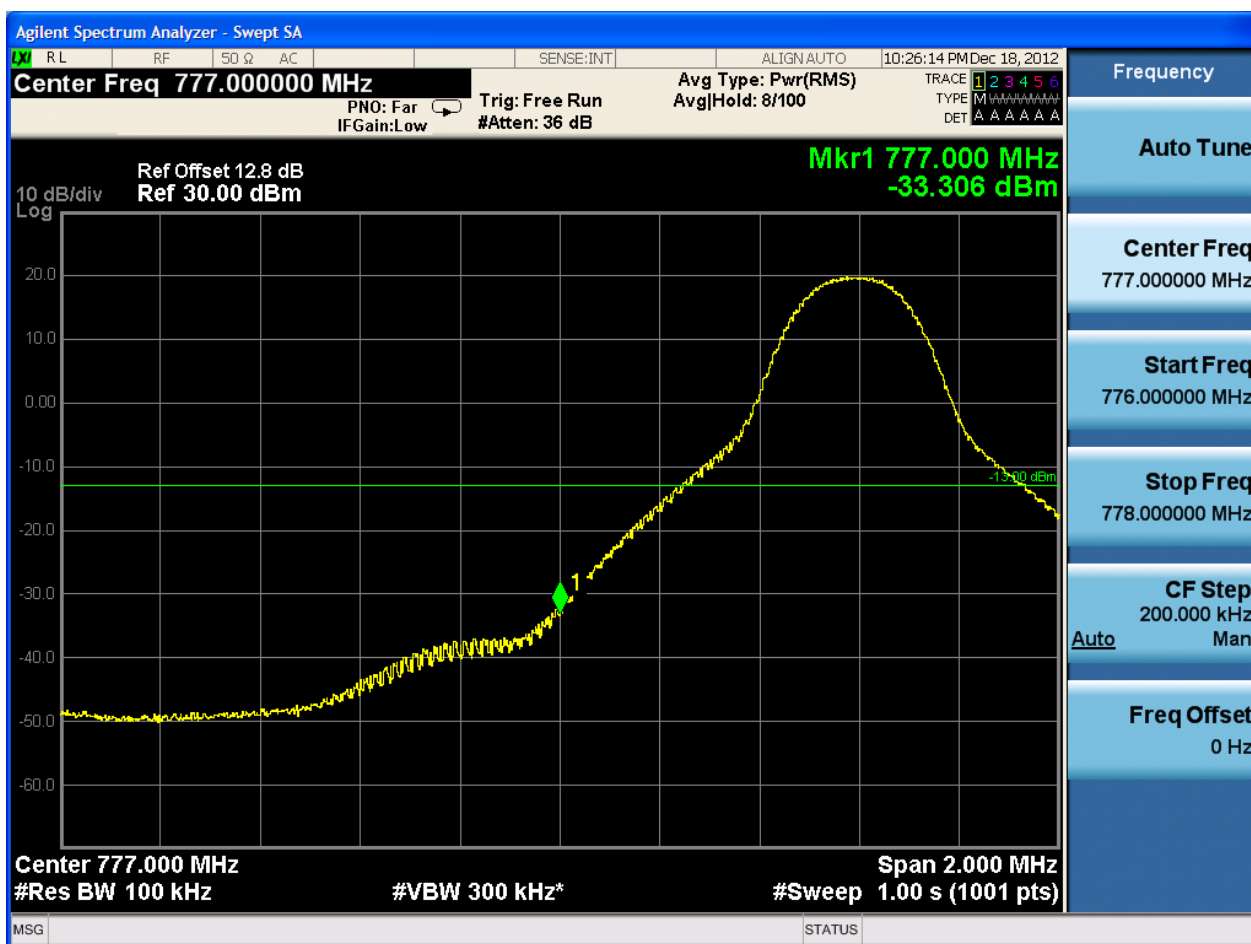
3.1.1.2.1.2.4 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

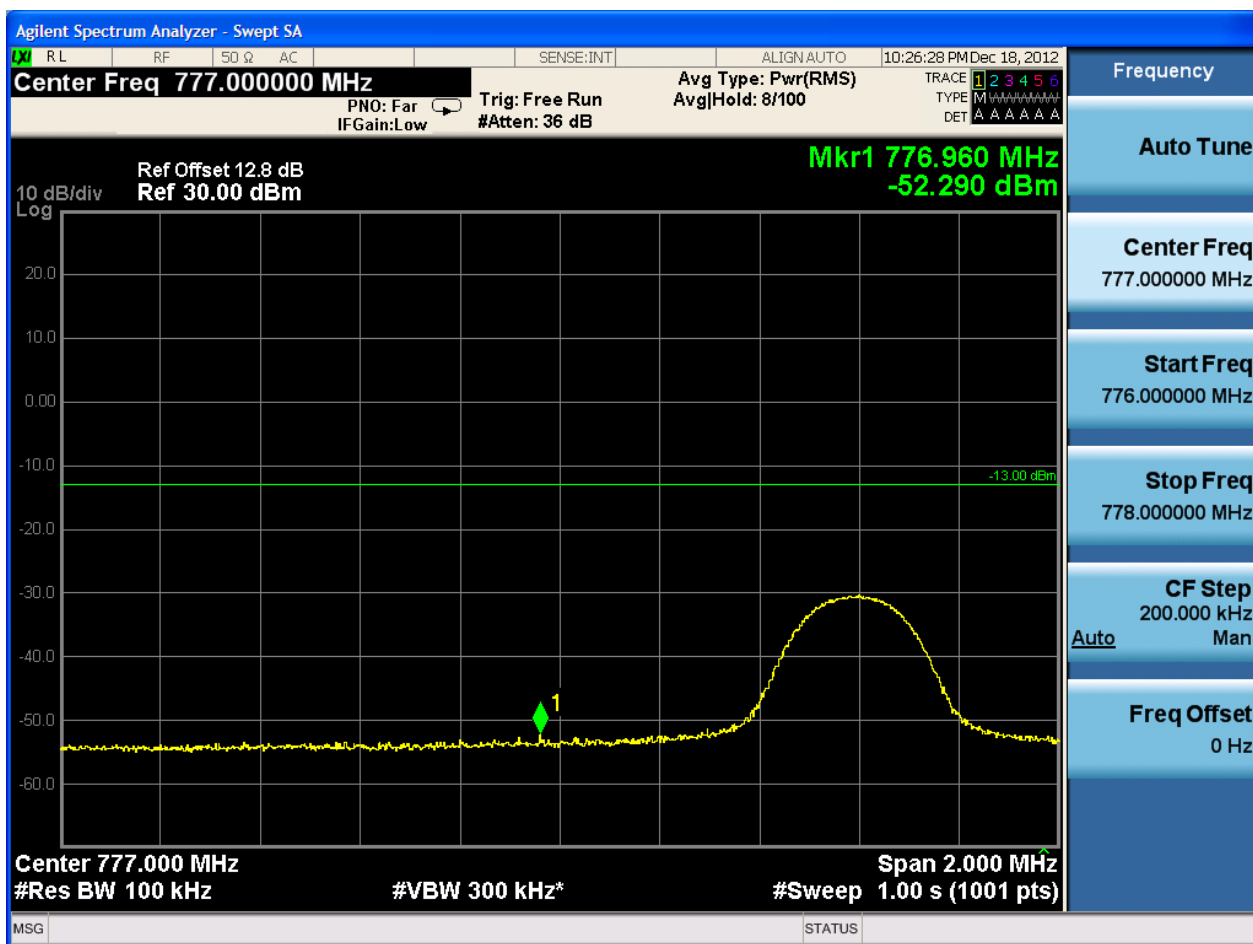
3.1.1.2.2.1 Test Channel = LCH

3.1.1.2.2.1.1 Test RB = RB1#0

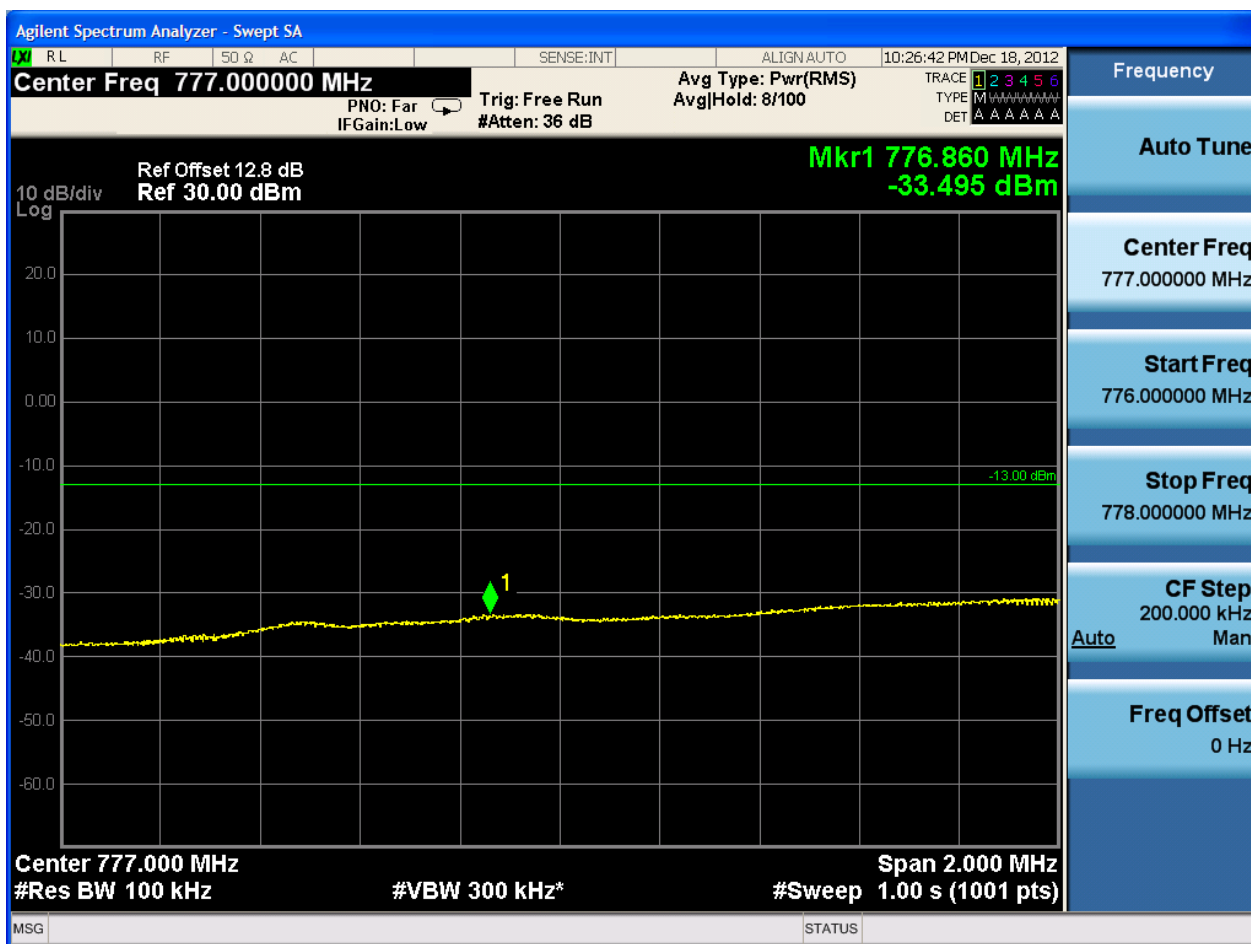




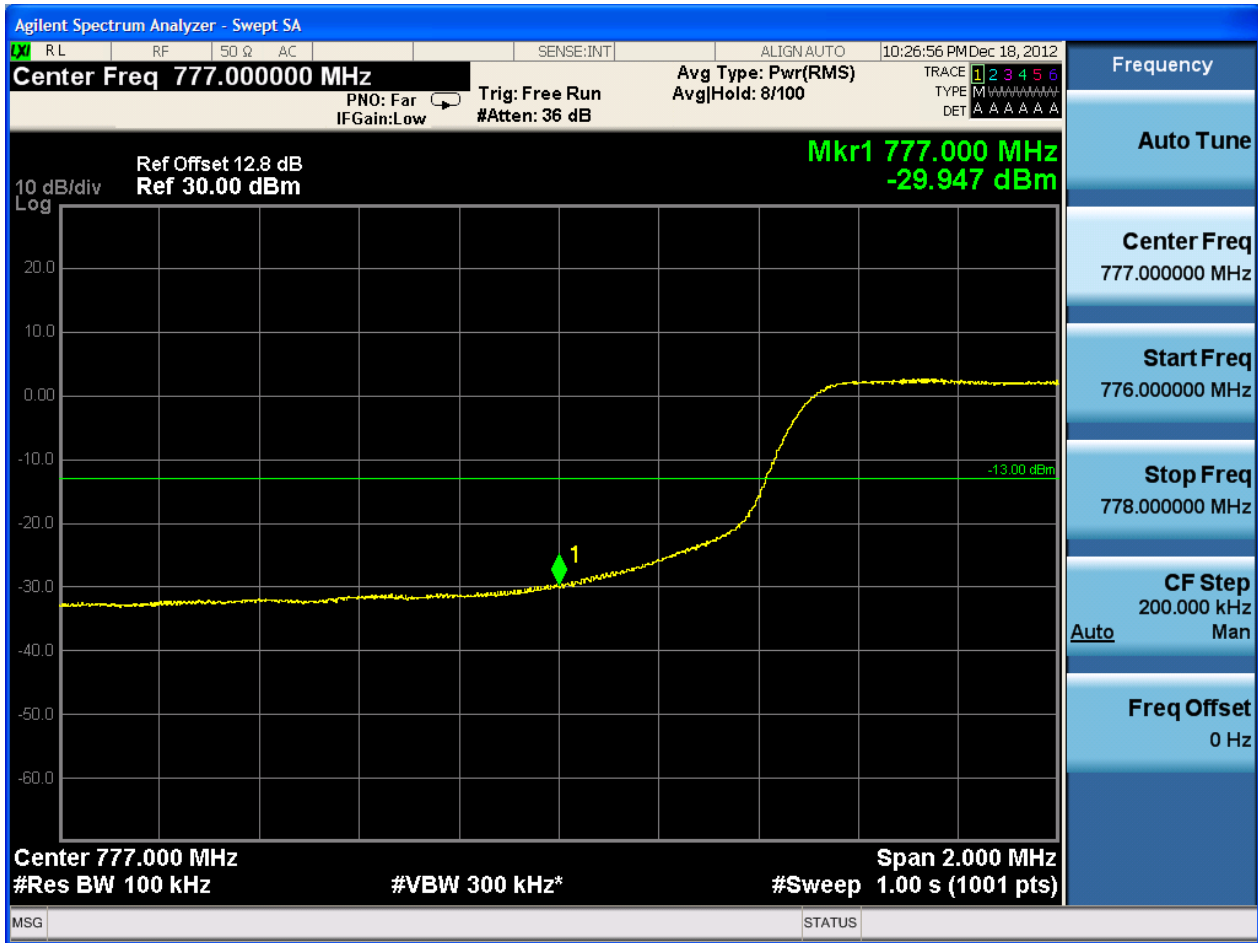
3.1.1.2.2.1.2 Test RB = RB1#49



3.1.1.2.2.1.3 Test RB = RB25#13

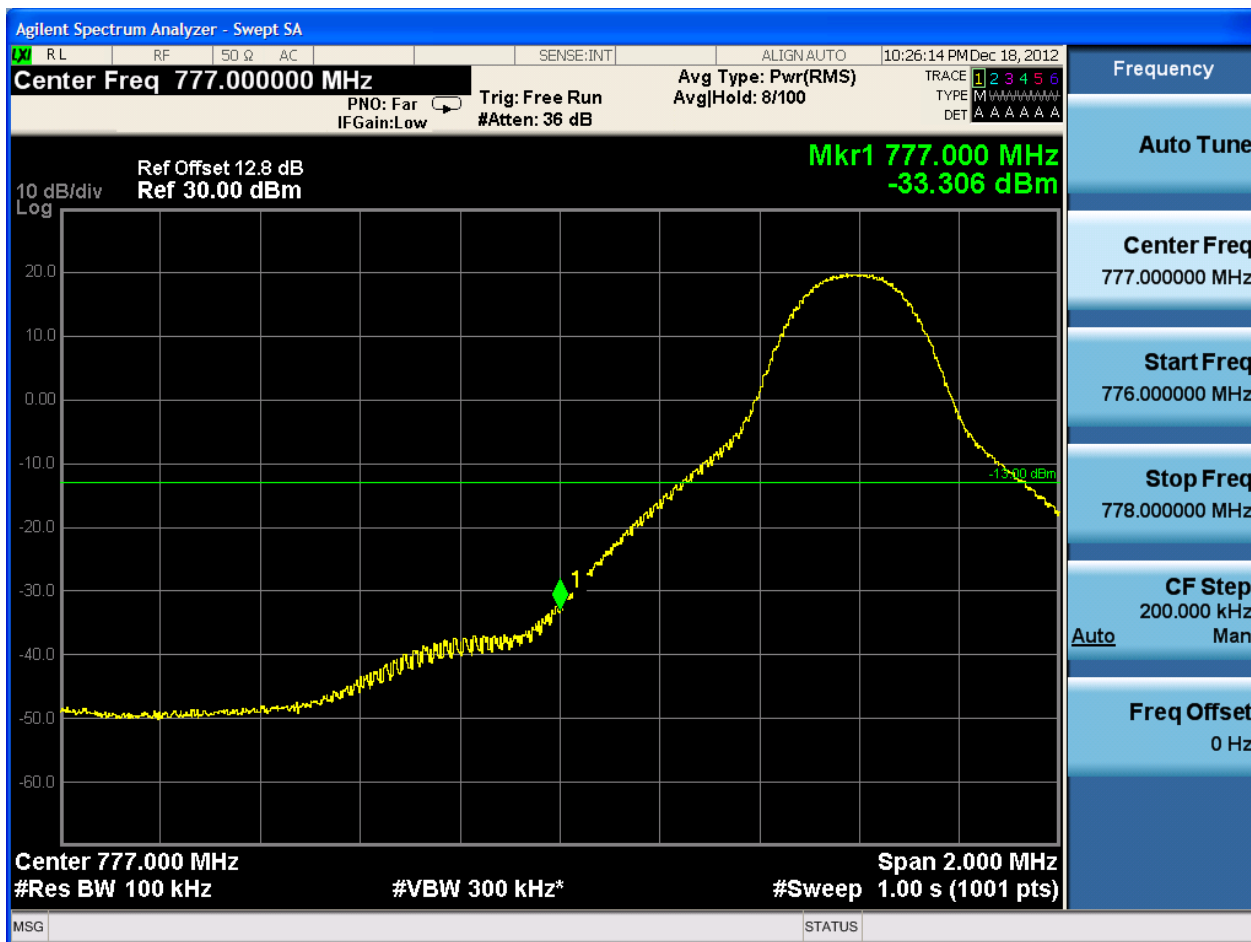


3.1.1.2.2.1.4 Test RB = RB50#0

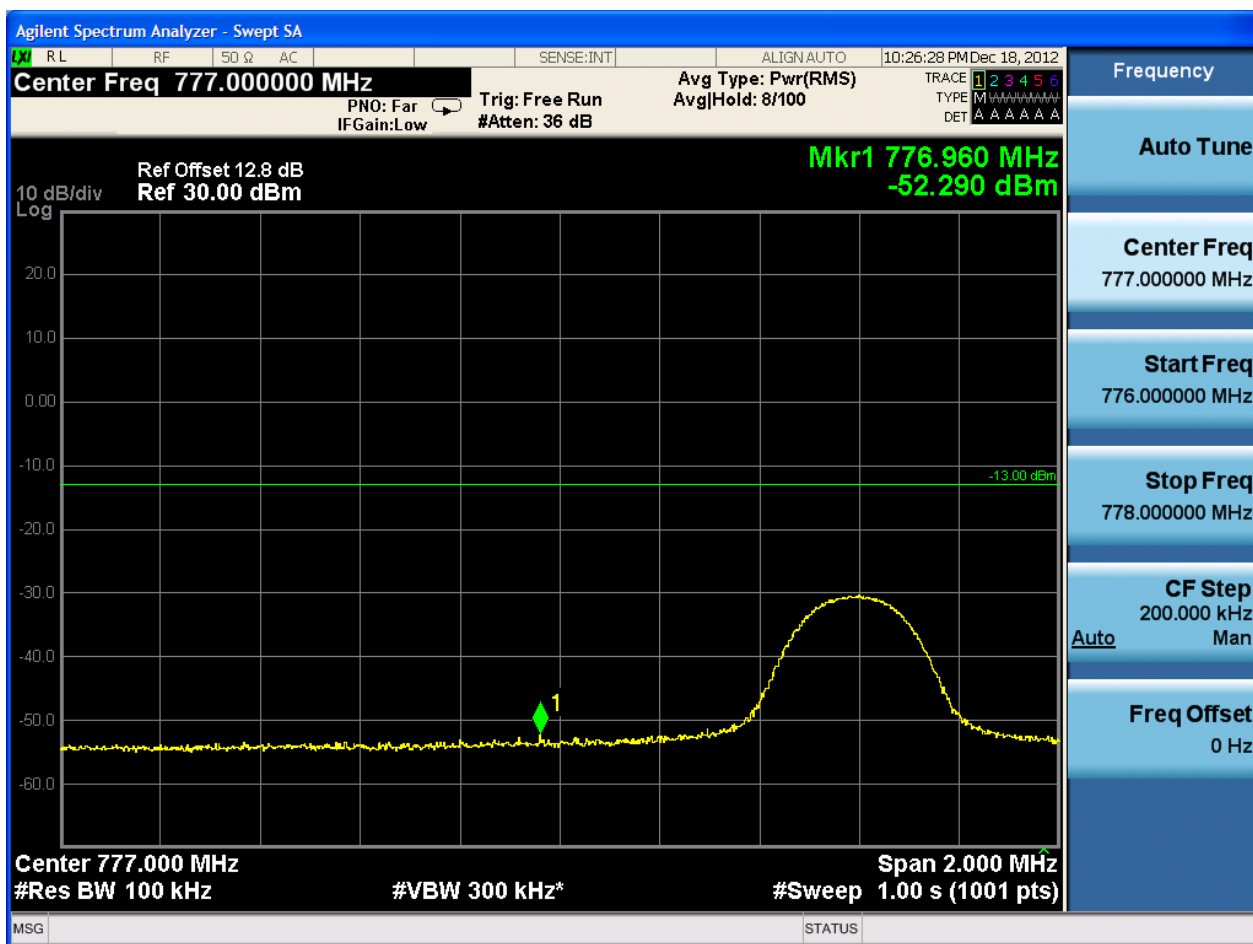


3.1.1.2.2.2 Test Channel = HCH

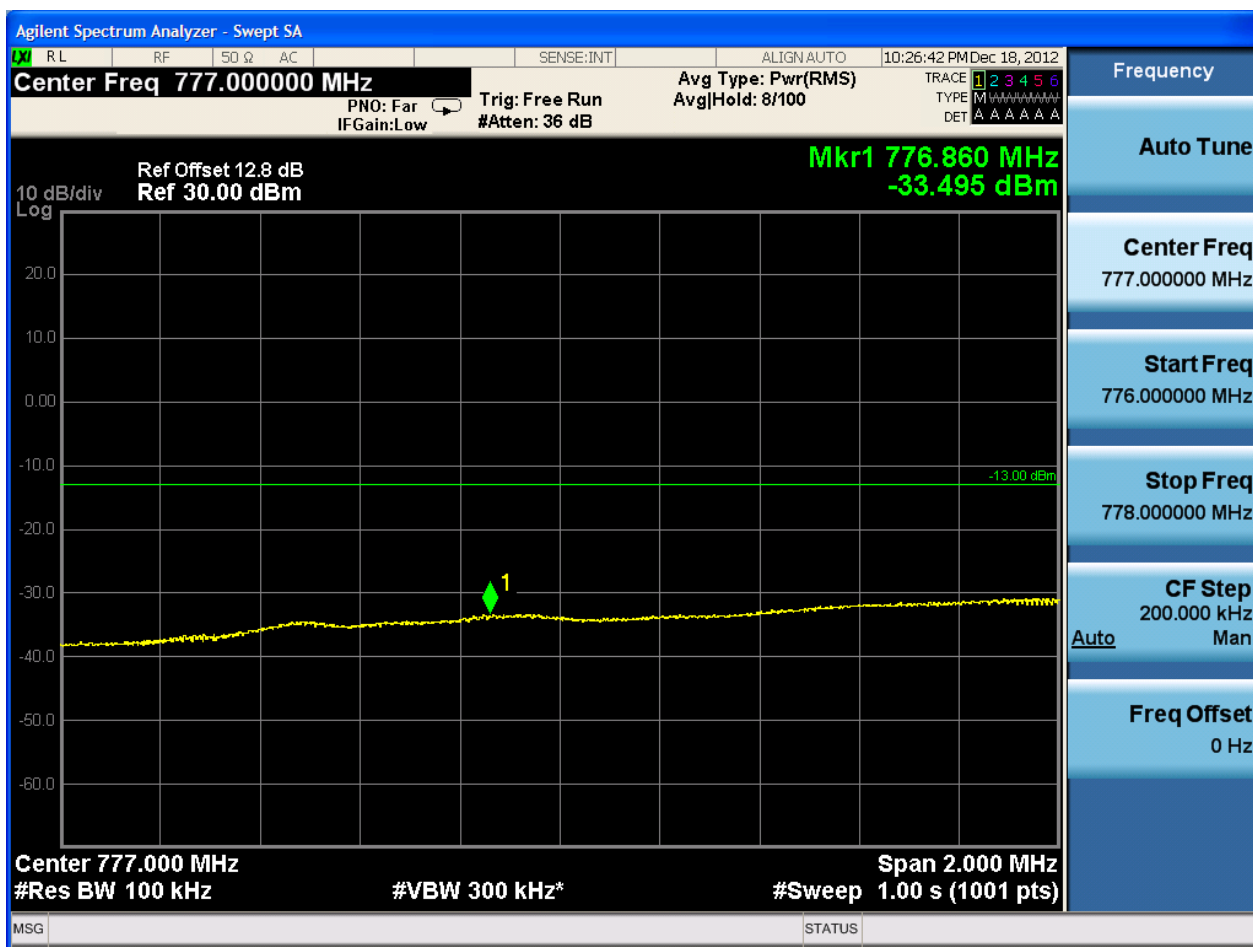
3.1.1.2.2.2.1 Test RB = RB1#0



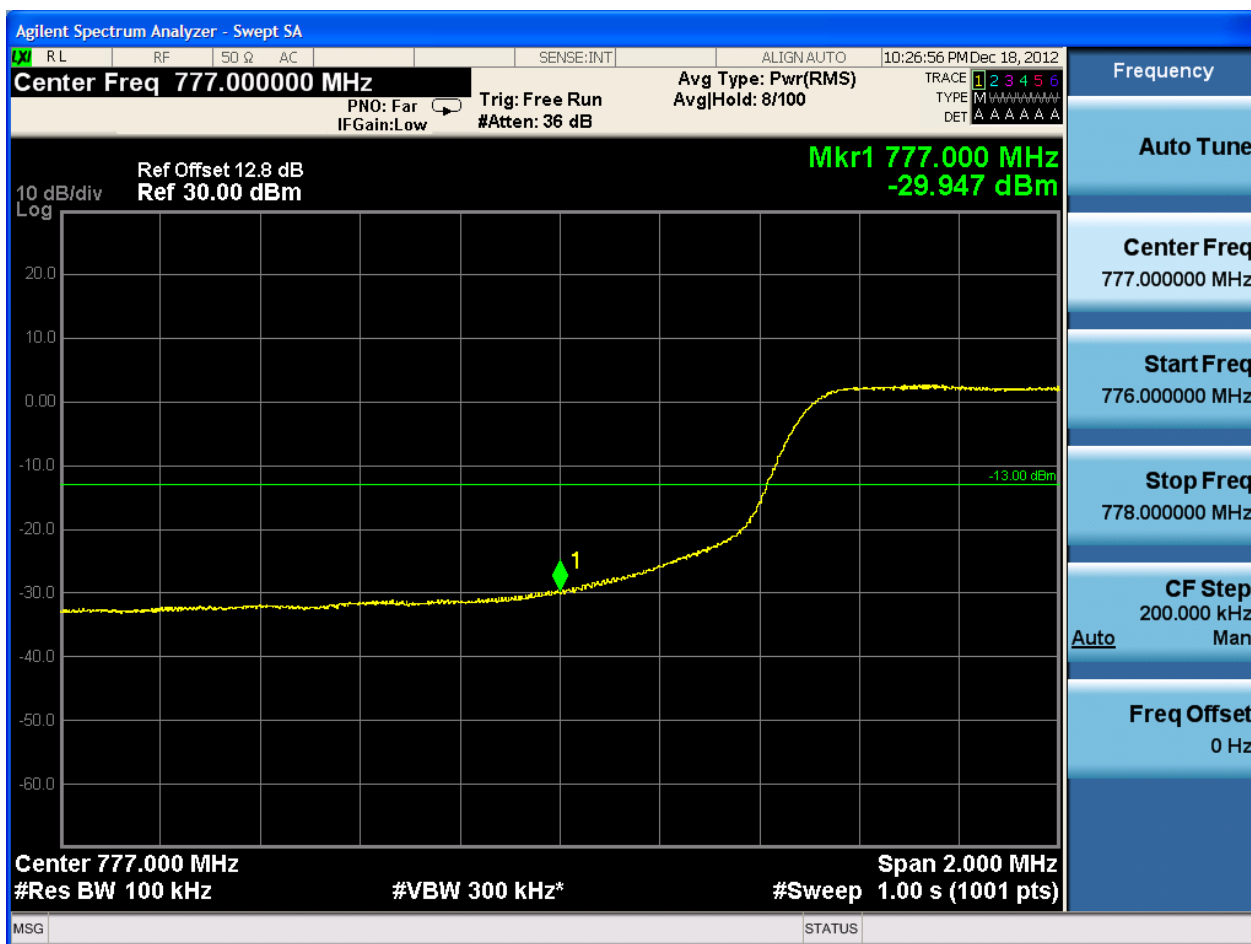
3.1.1.2.2.2 Test RB = RB1#49



3.1.1.2.2.3 Test RB = RB25#13



3.1.1.2.2.4 Test RB = RB50#0



4Appendix_D: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

4.1 For LTE

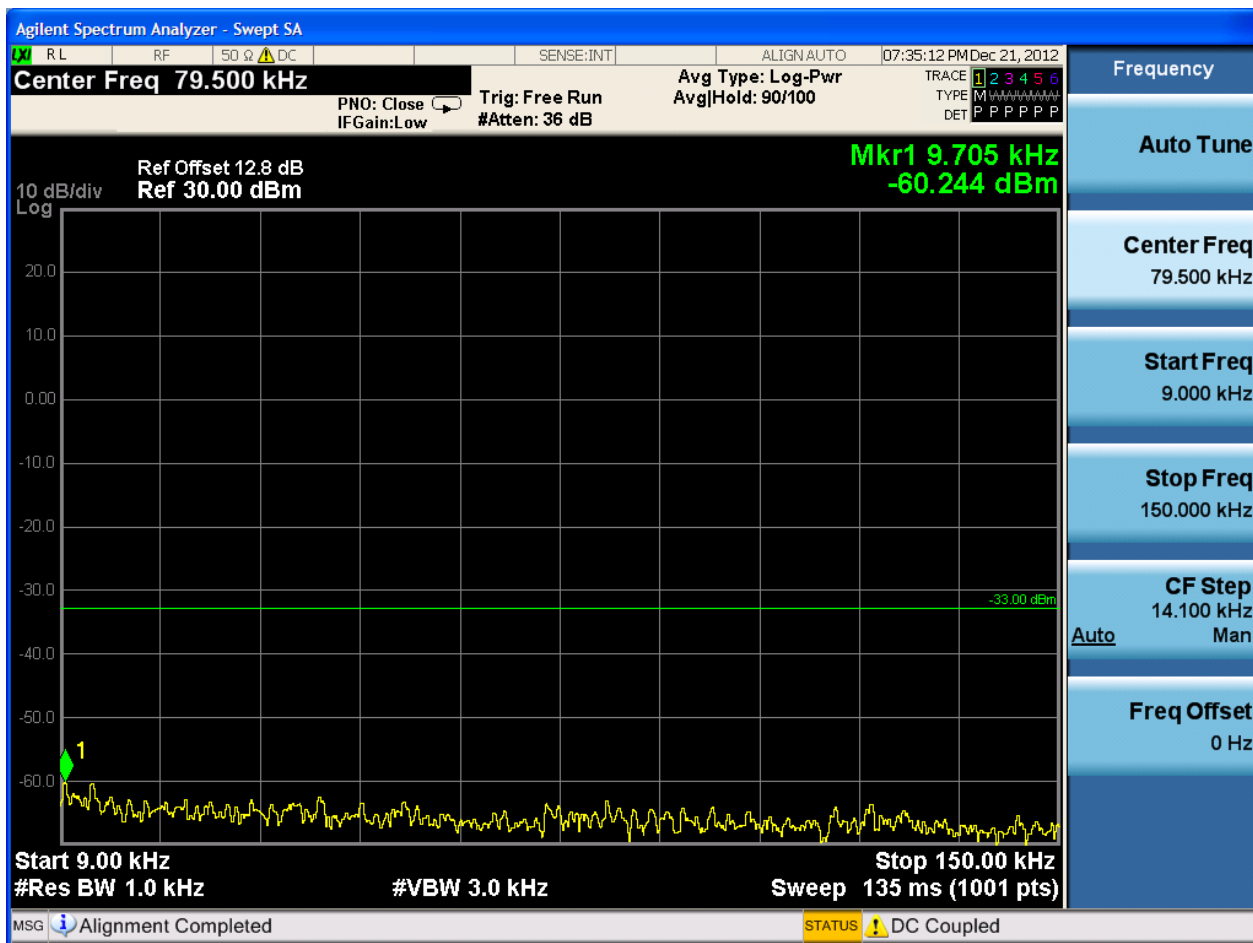
4.1.1 Test Band = BAND13

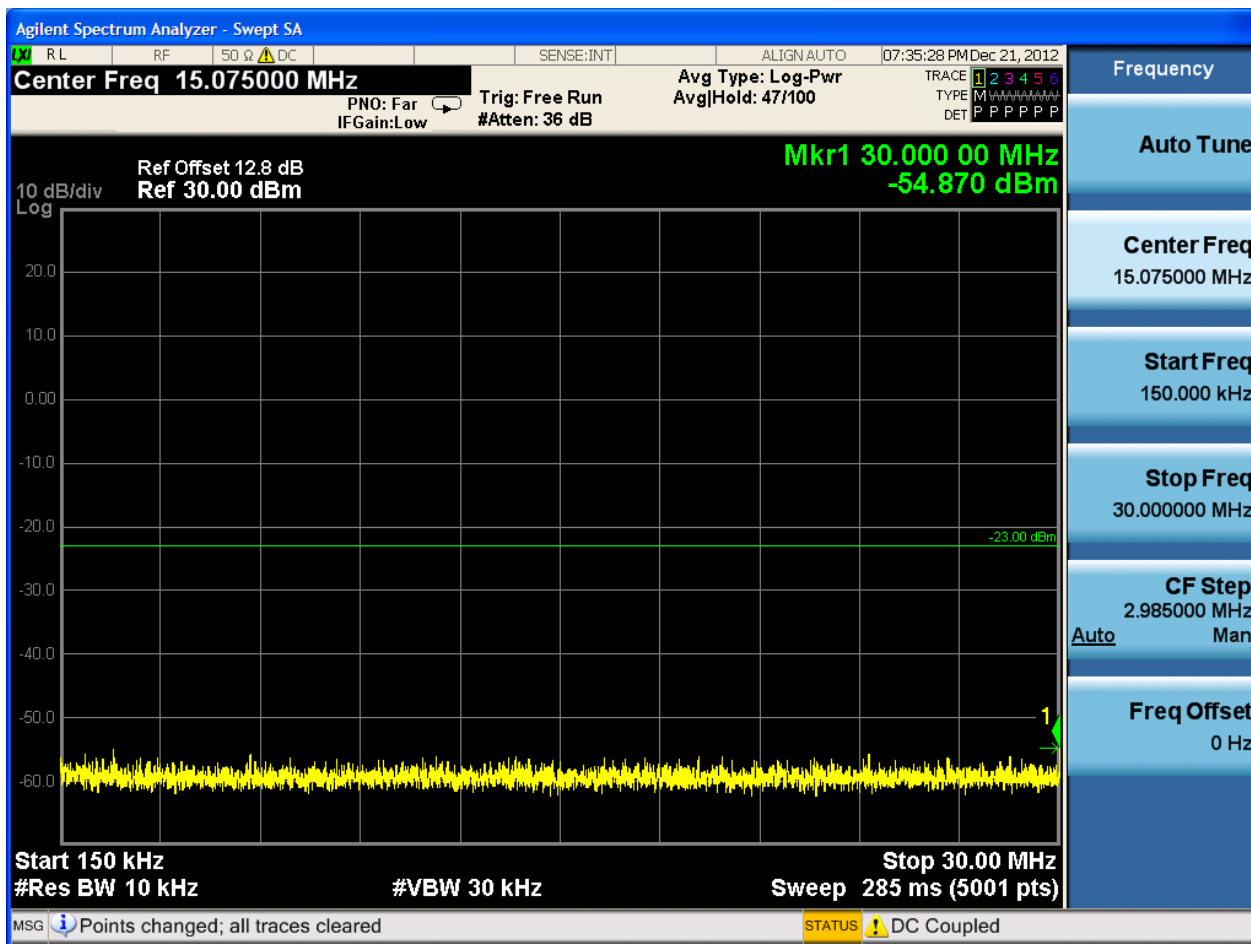
4.1.1.1 Test Mode = LTE/TM1

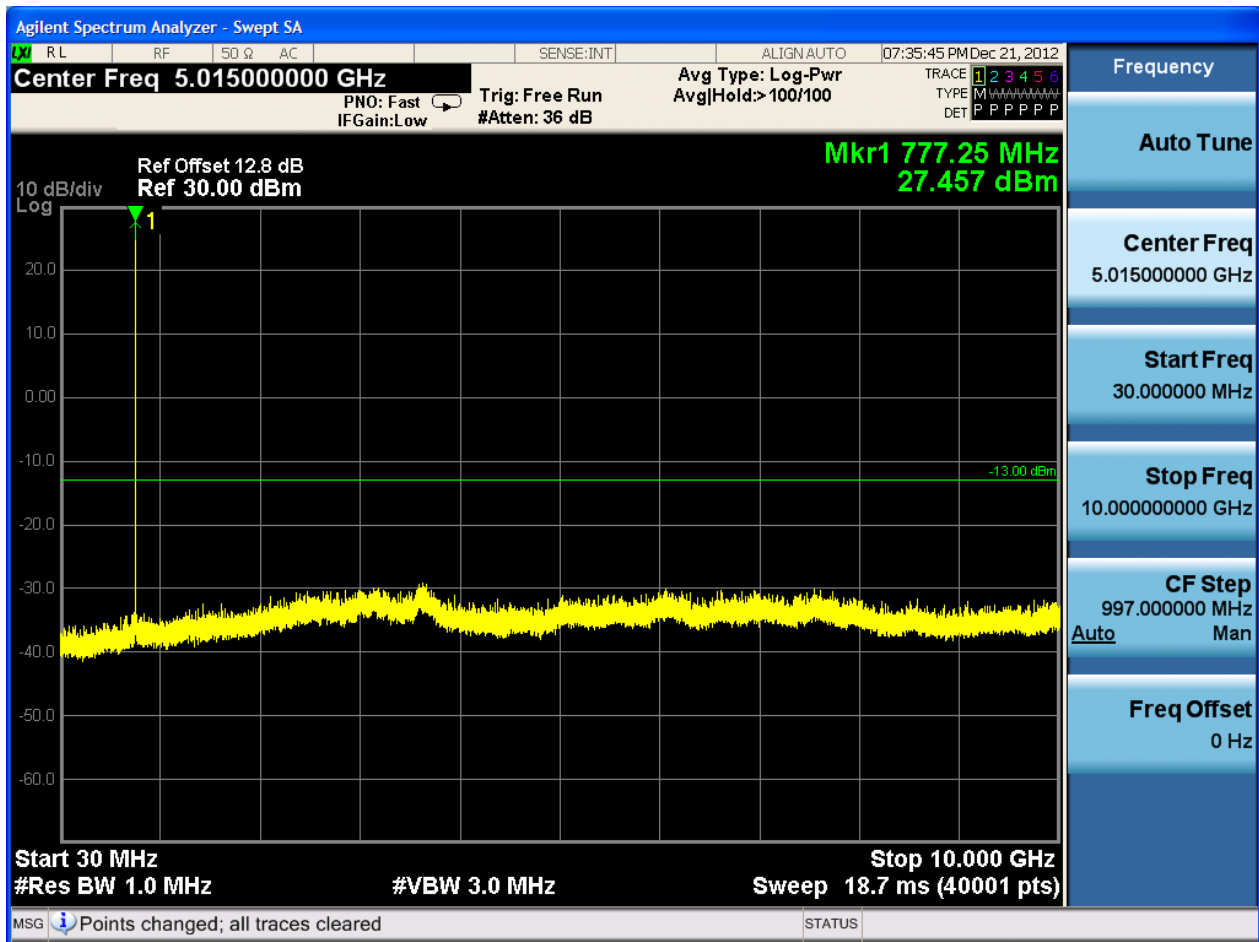
4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB1#0

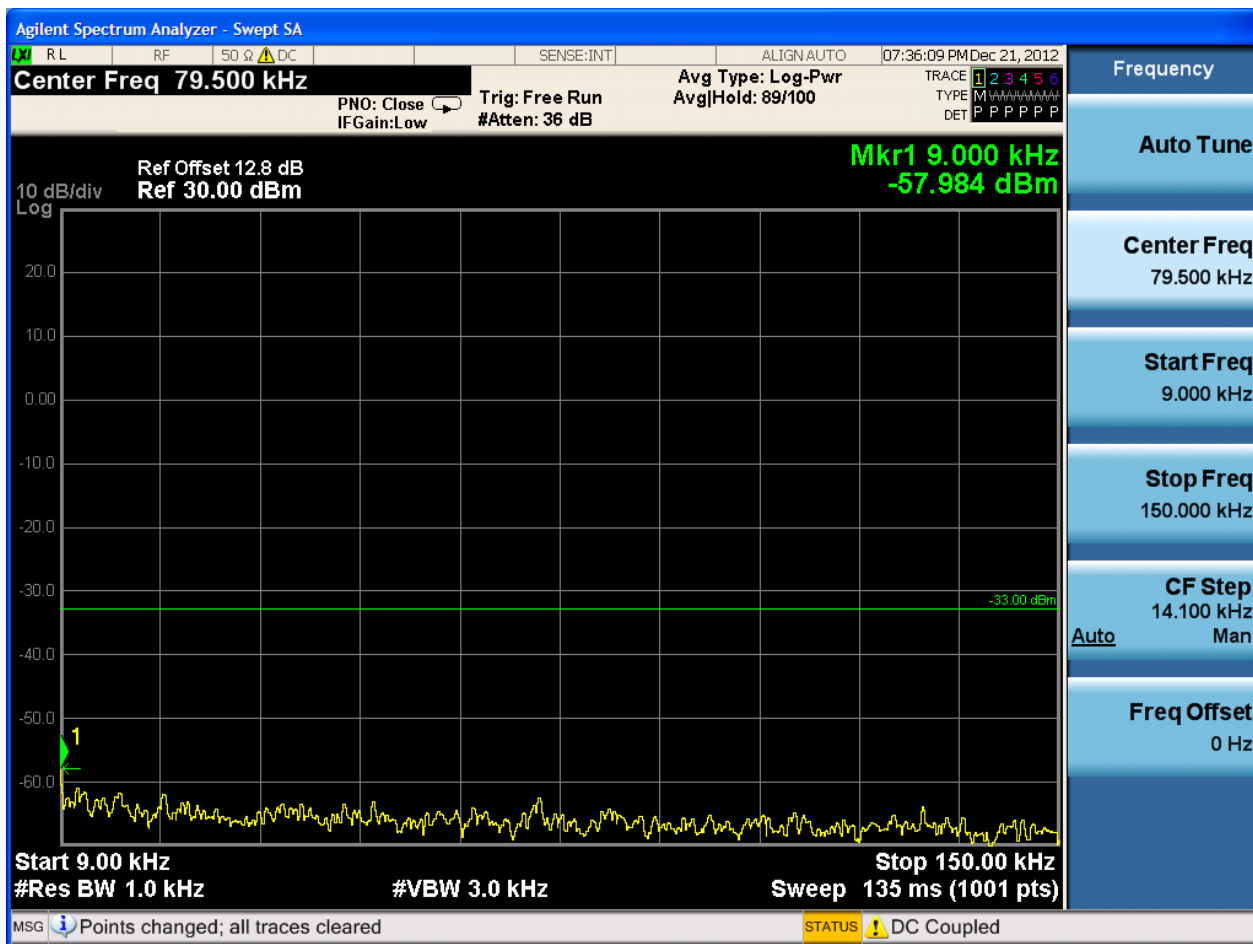


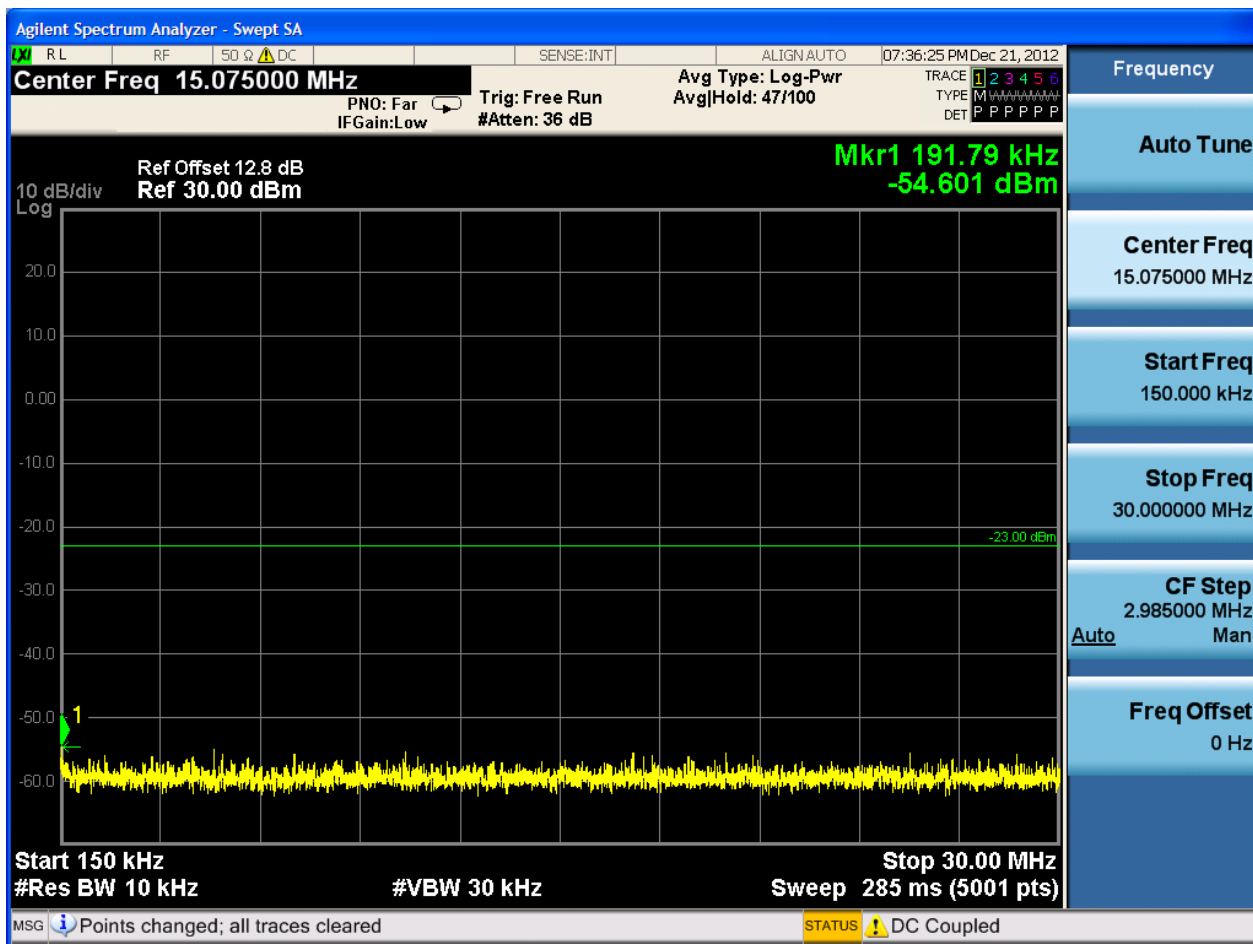


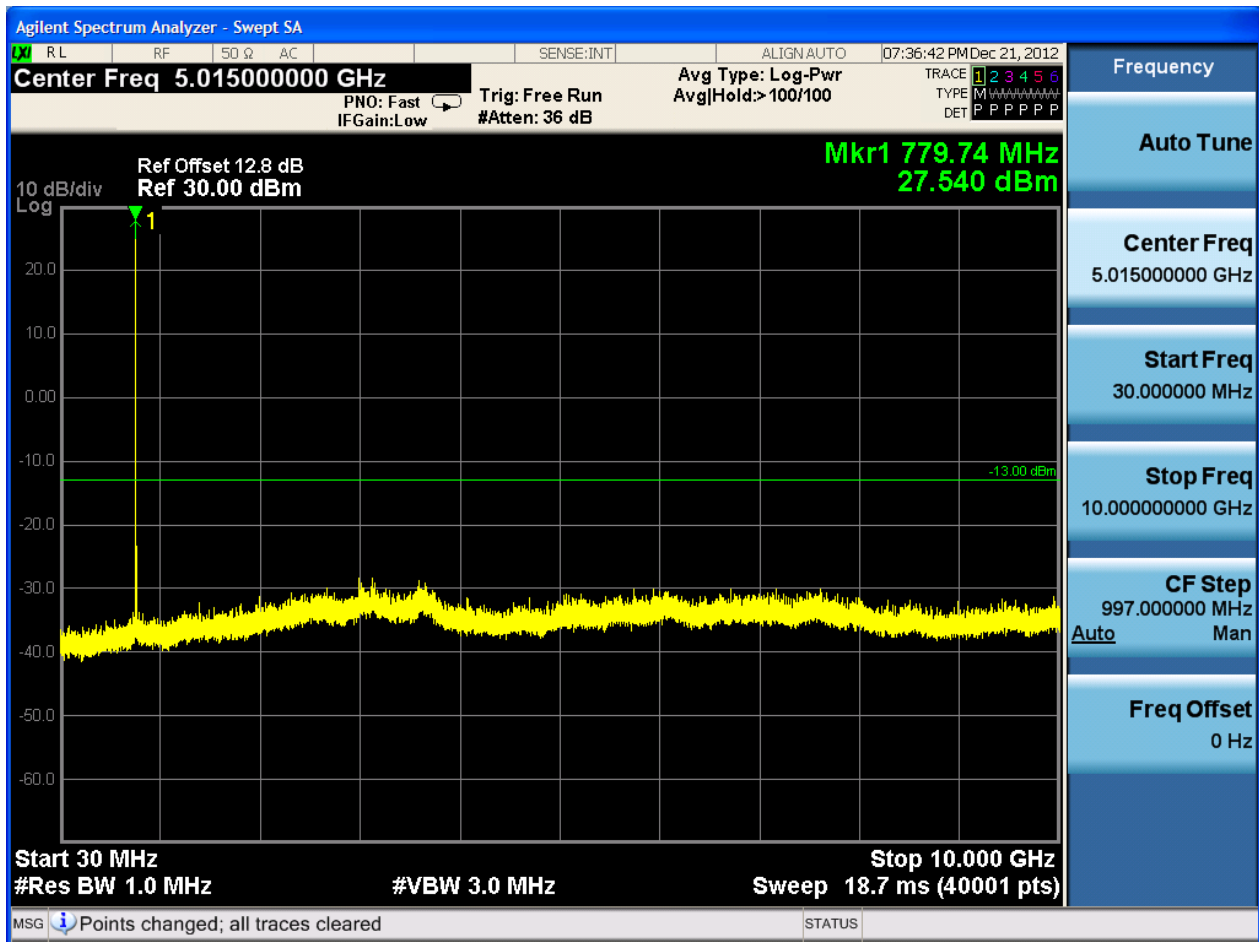


4.1.1.1.1.2 Test Channel = HCH

4.1.1.1.1.2.1 Test RB = RB1#0

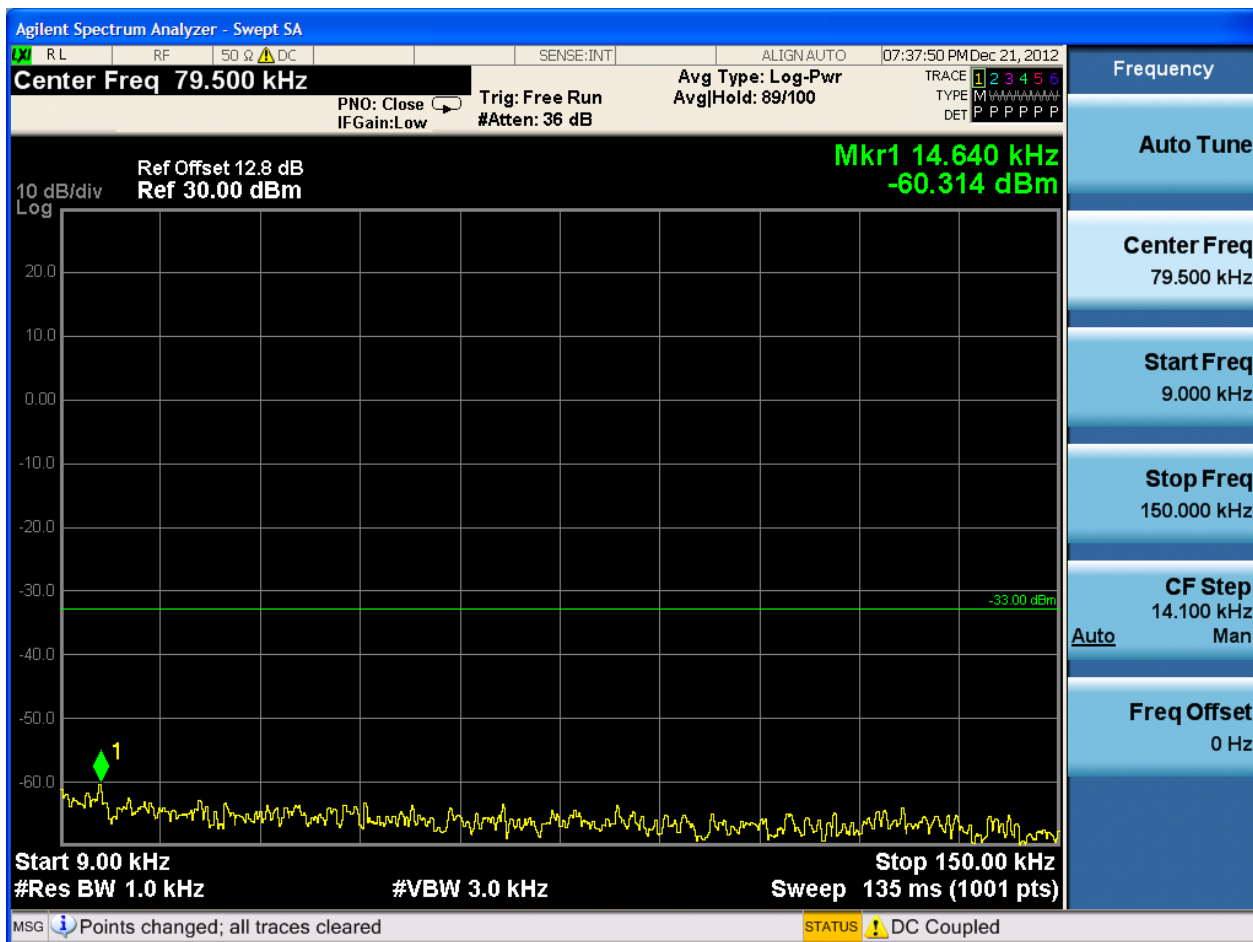


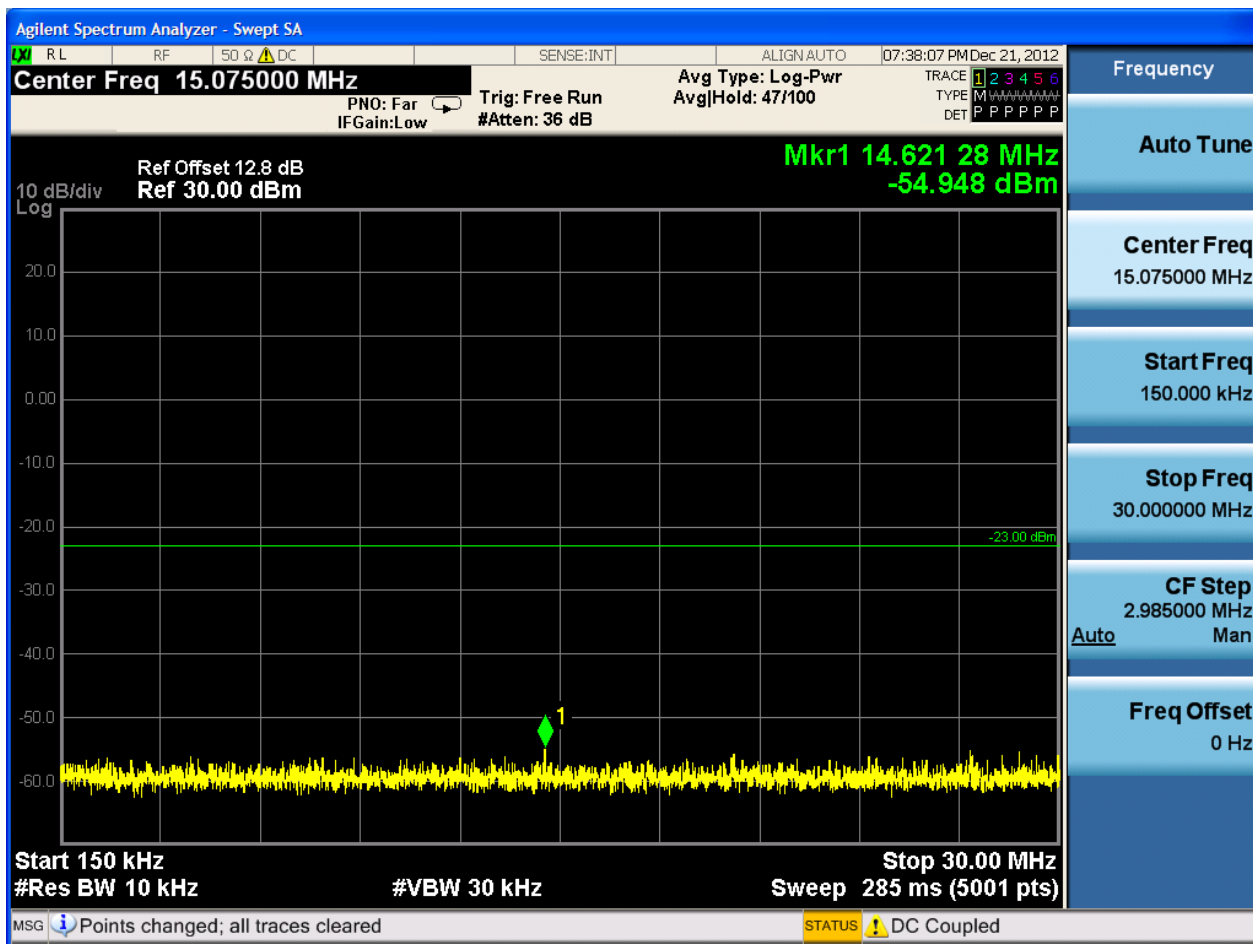


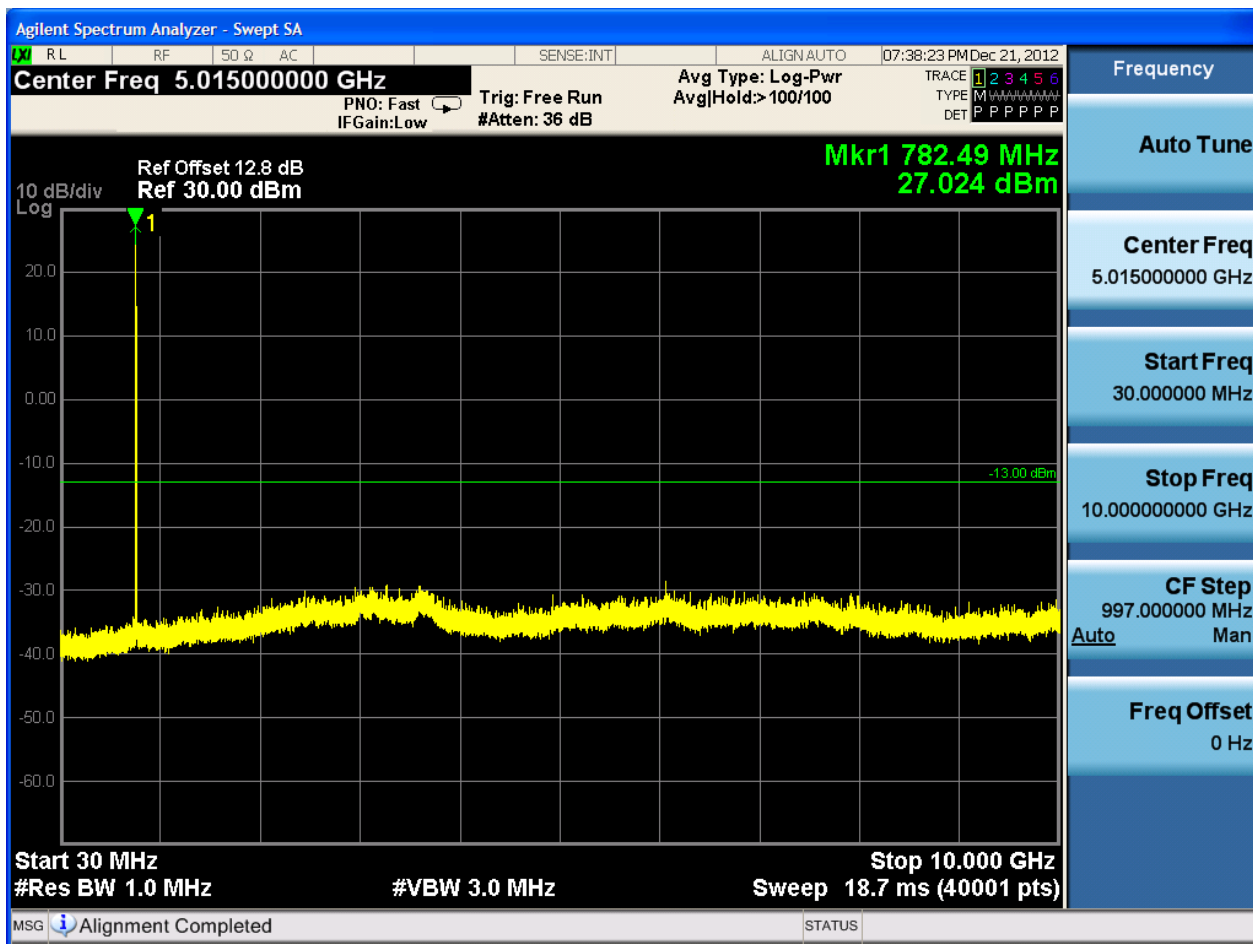


4.1.1.1.1.3 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB1#0



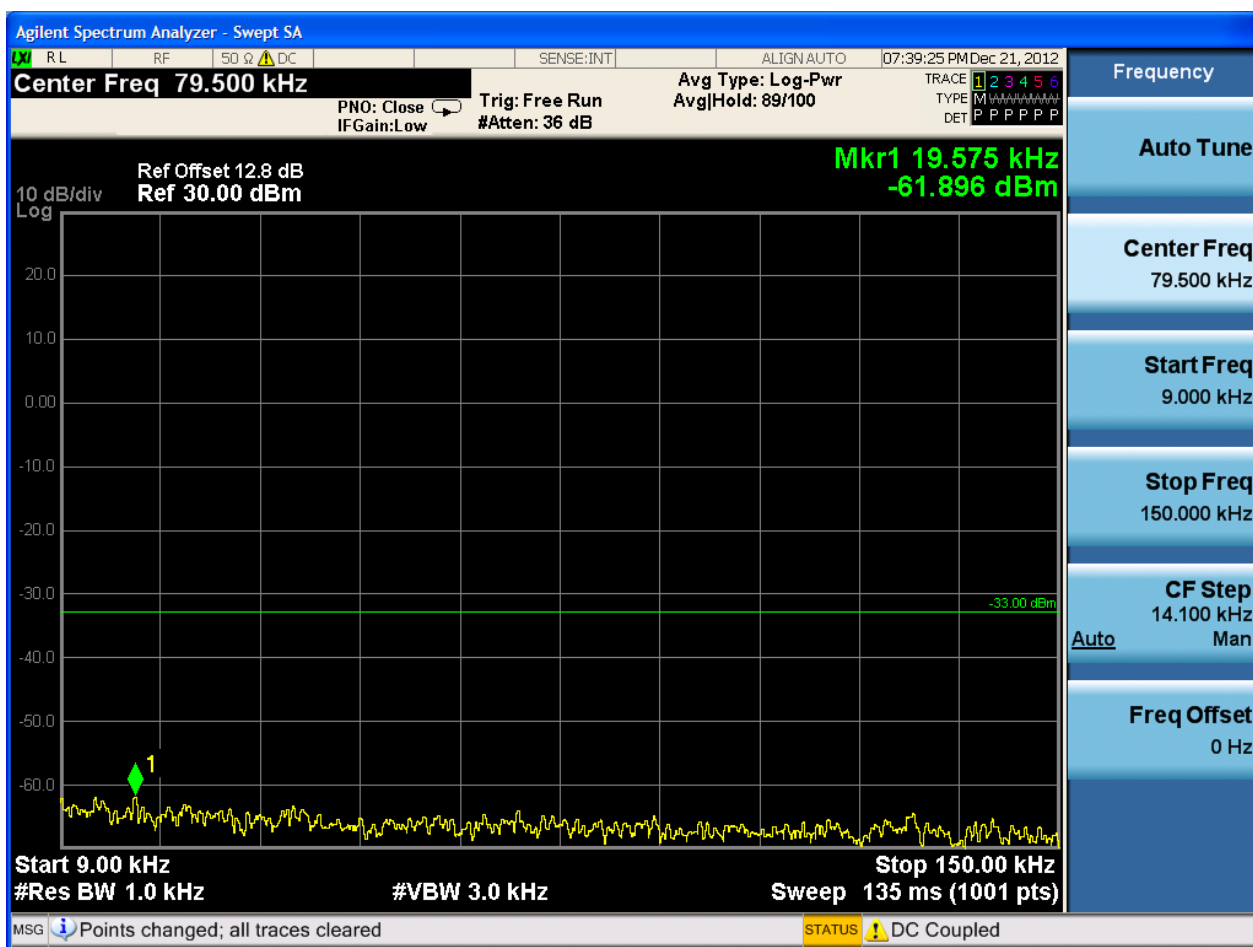


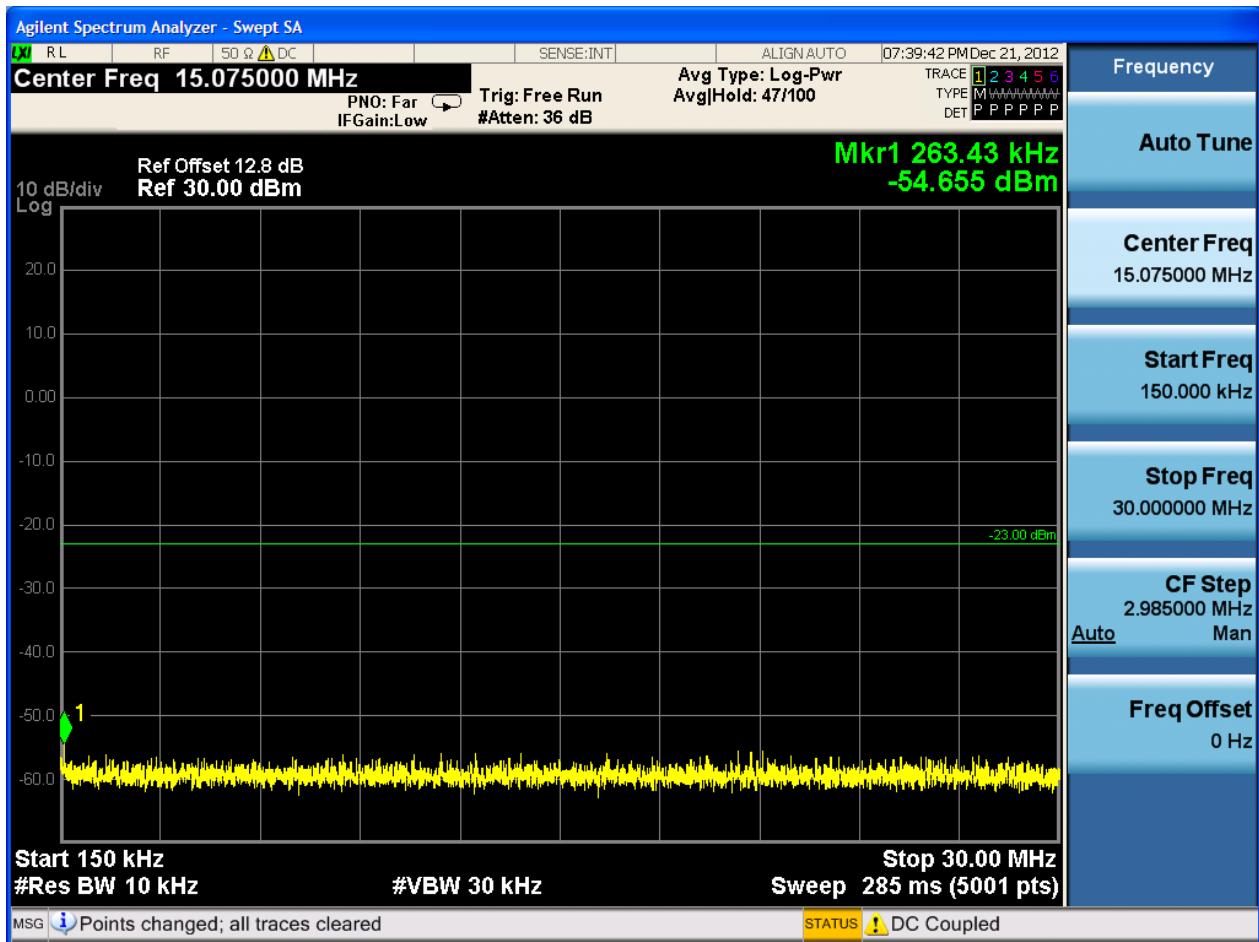


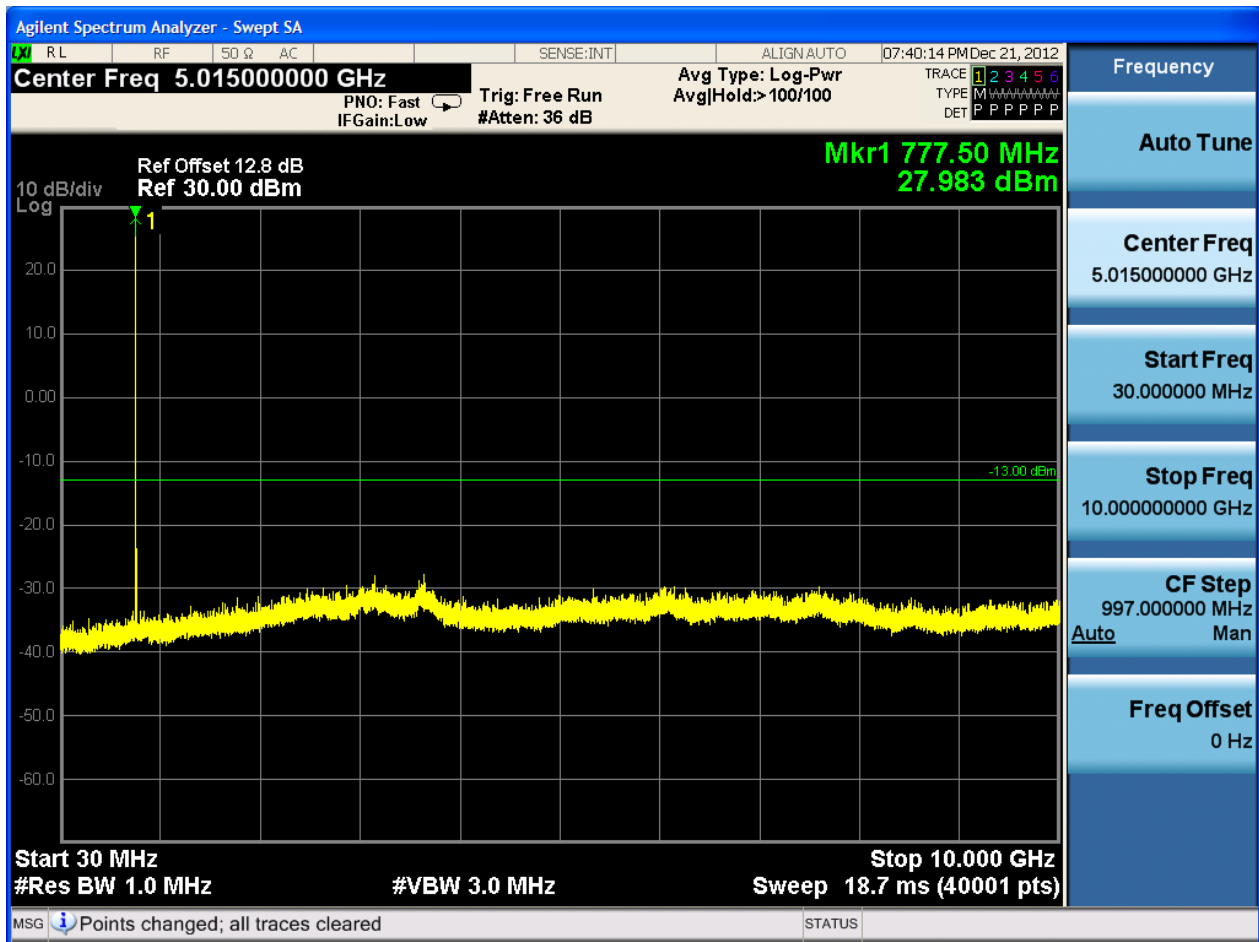
4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB1#0

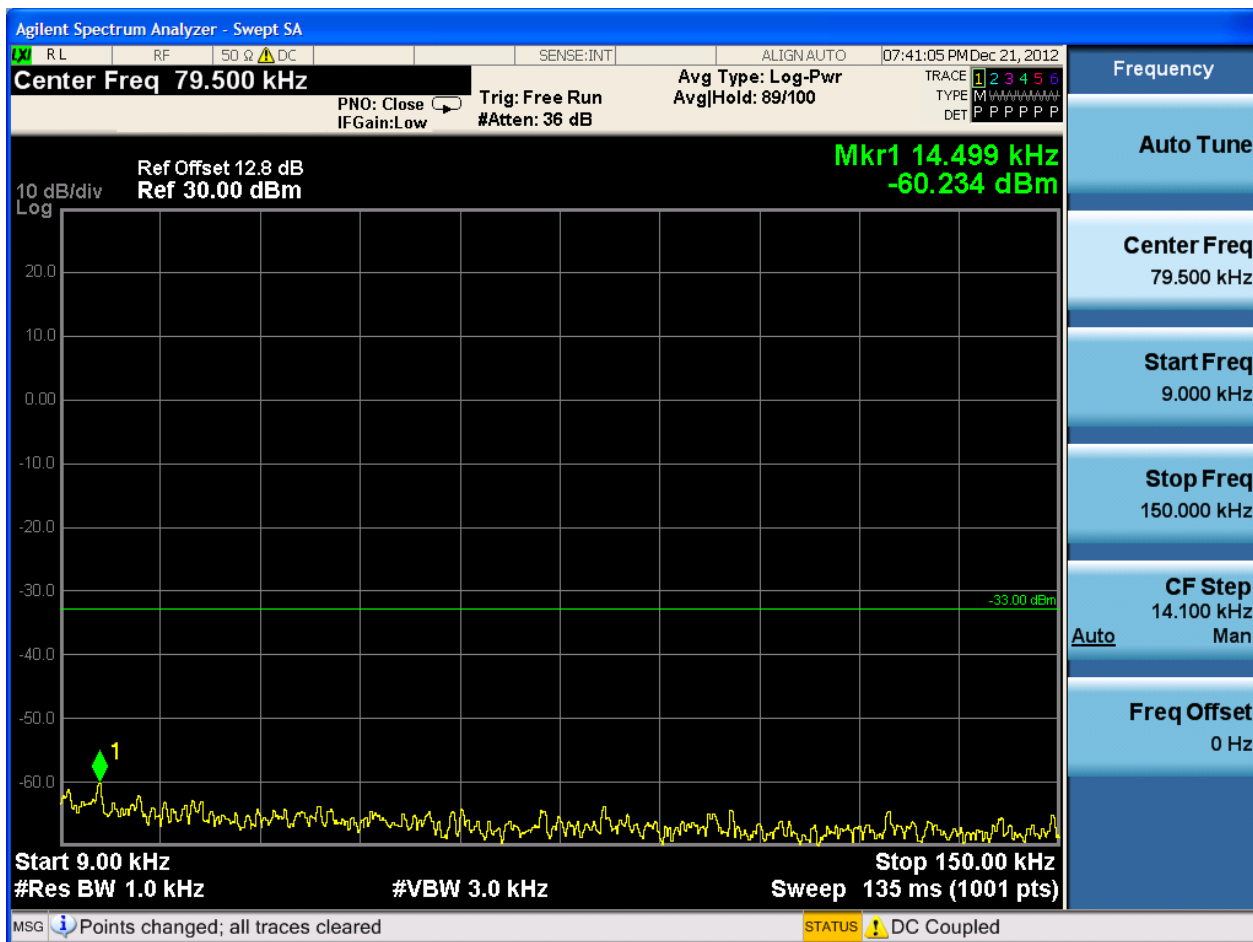


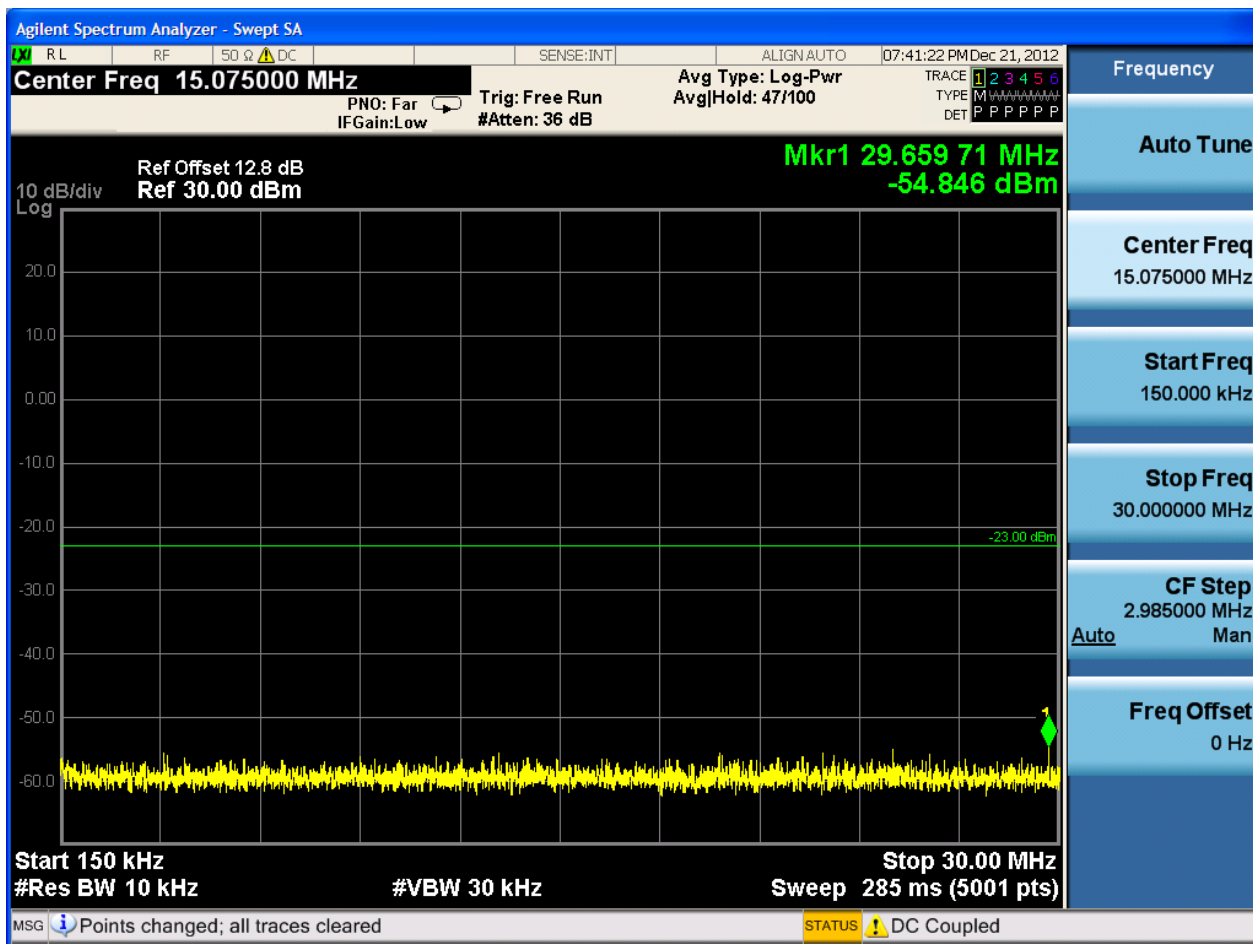


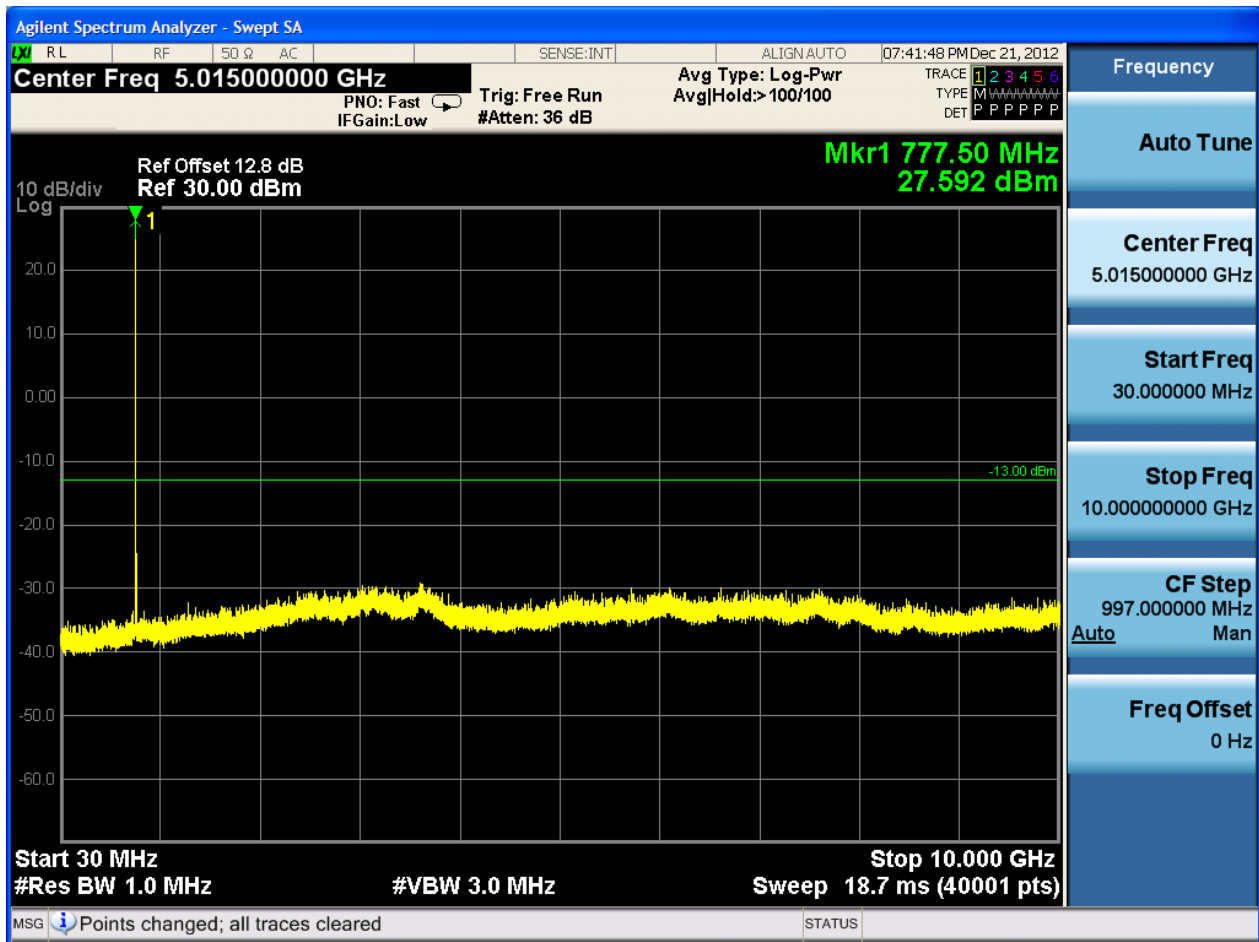


4.1.1.1.2.2 Test Channel = HCH

4.1.1.1.2.2.1 Test RB = RB1#0

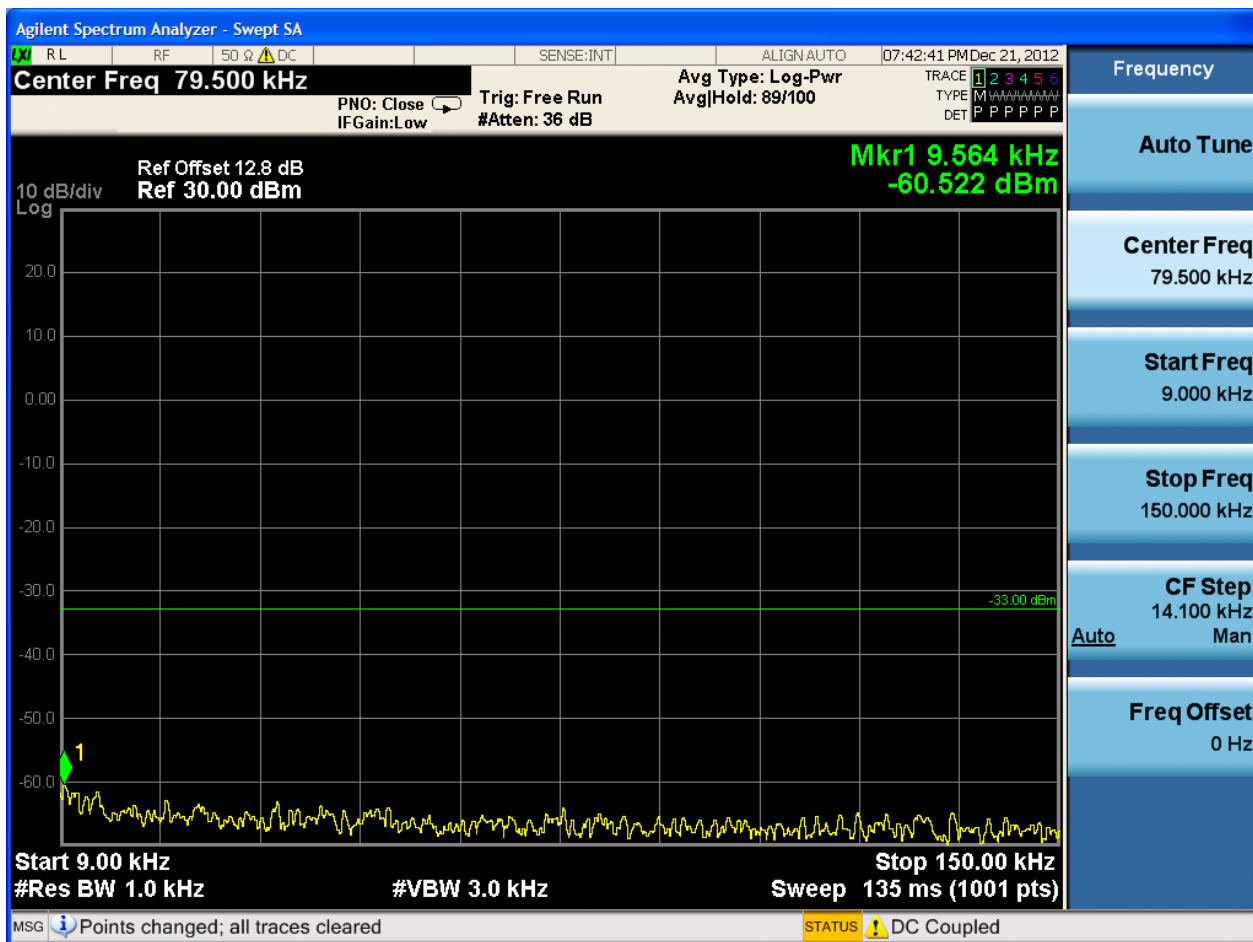


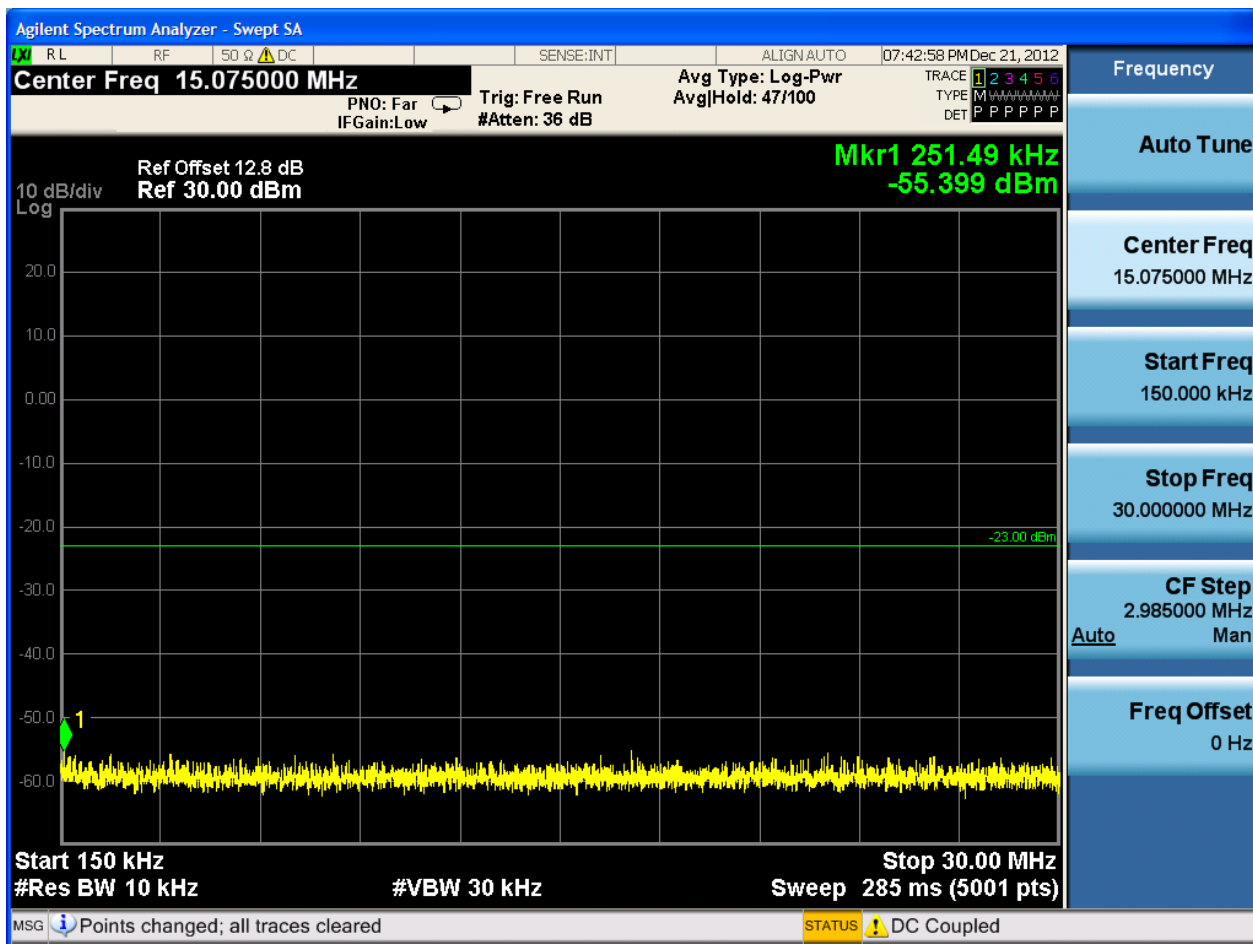


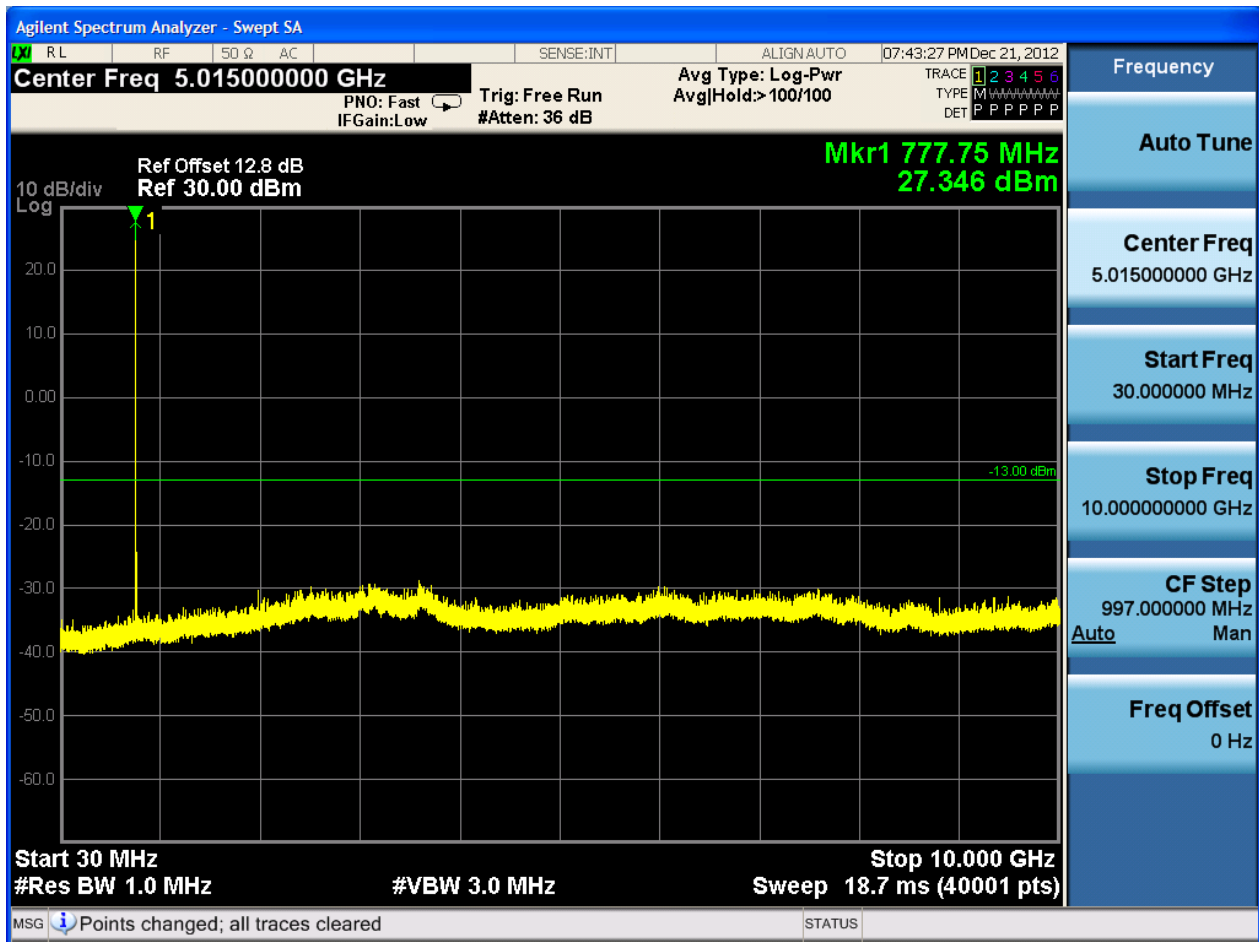


4.1.1.1.2.3 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB1#0





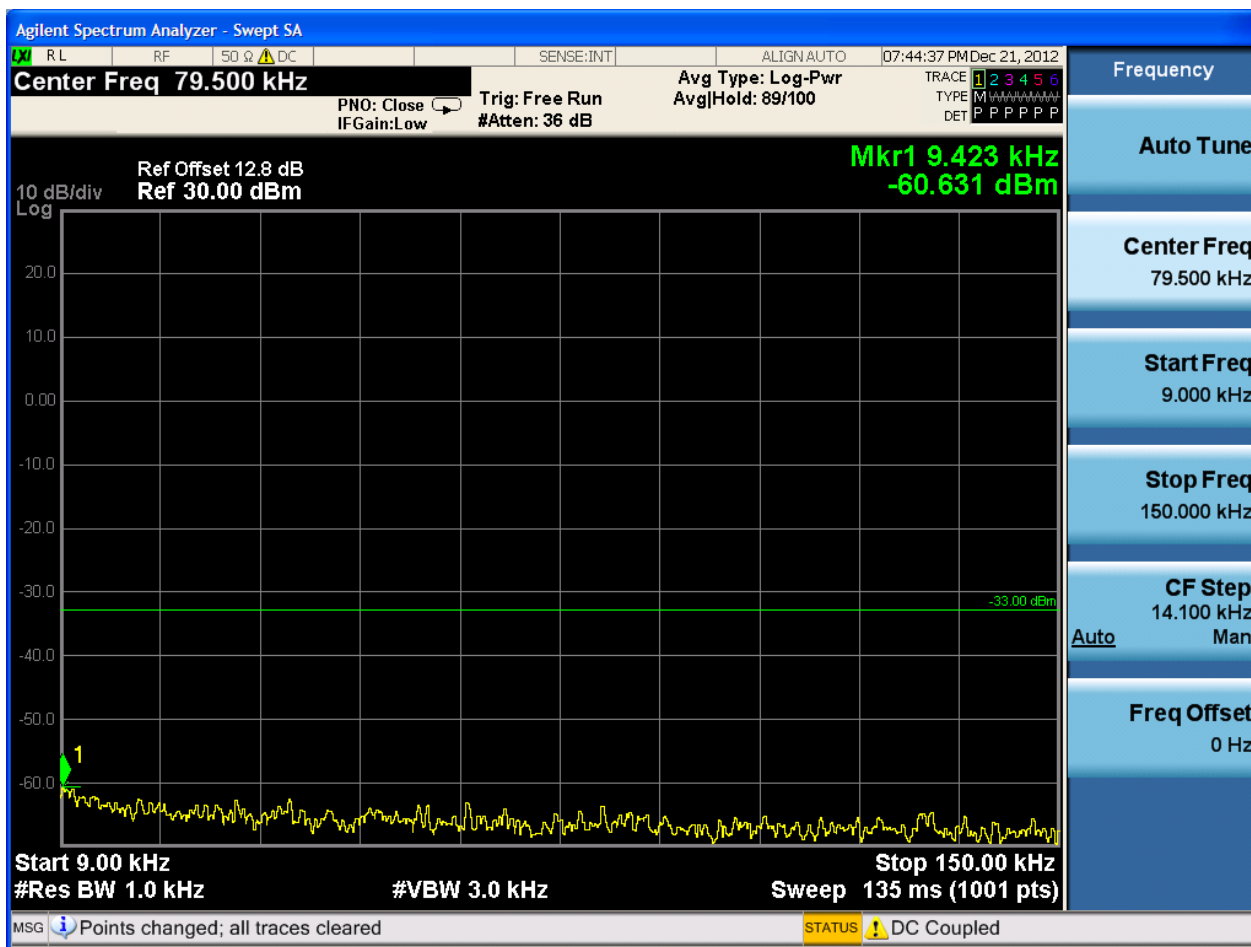


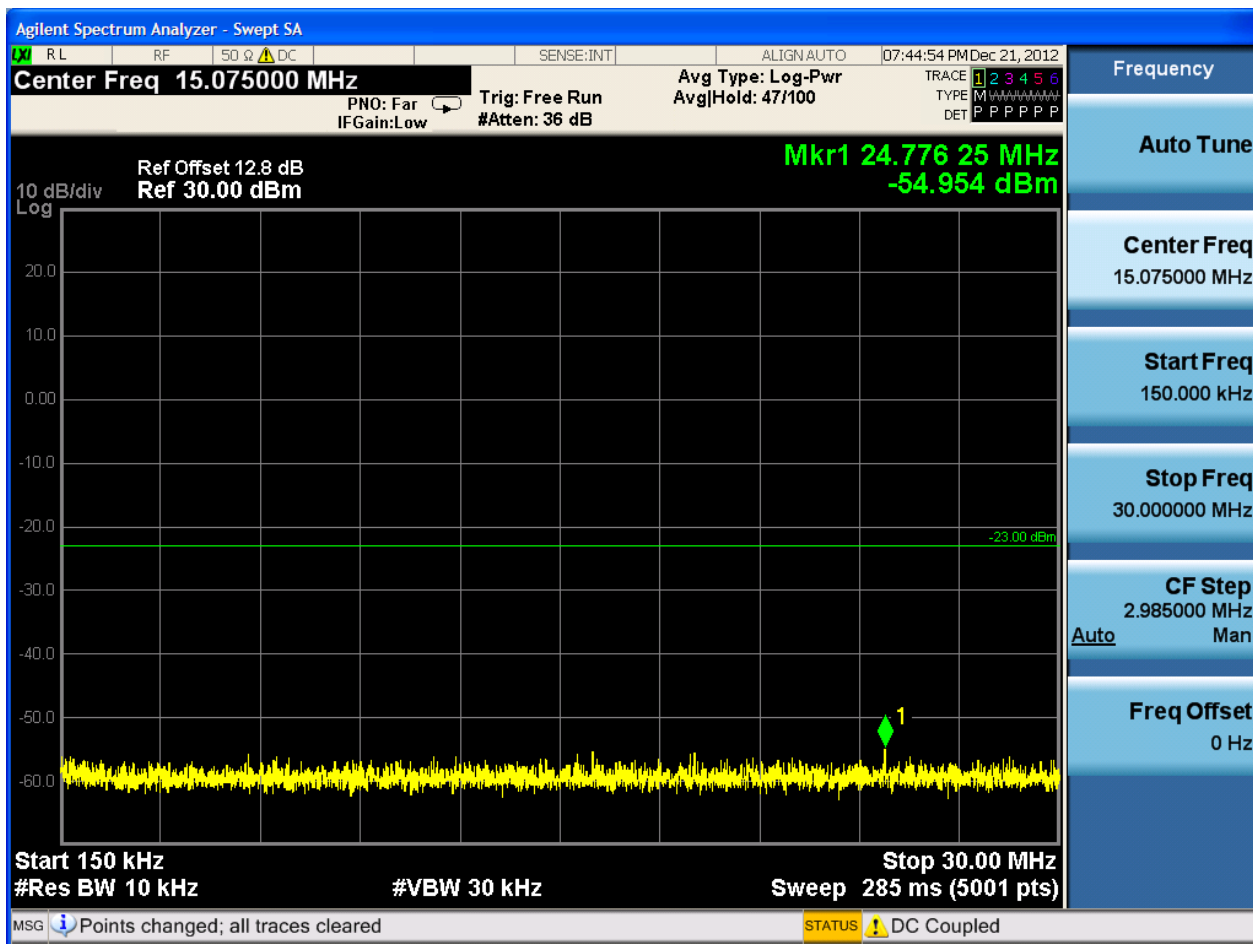
4.1.1.2 Test Mode = LTE/TM2

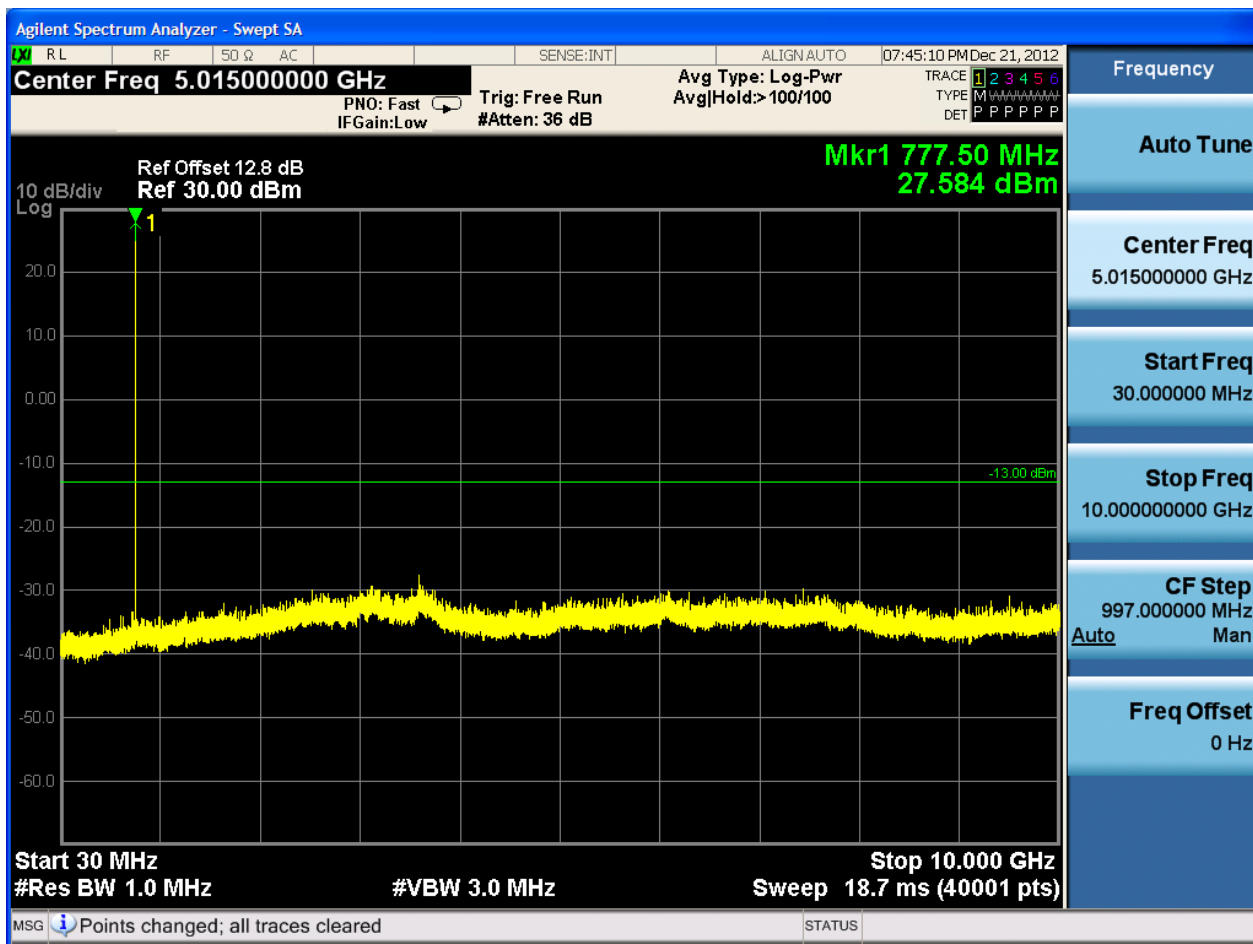
4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB1#0

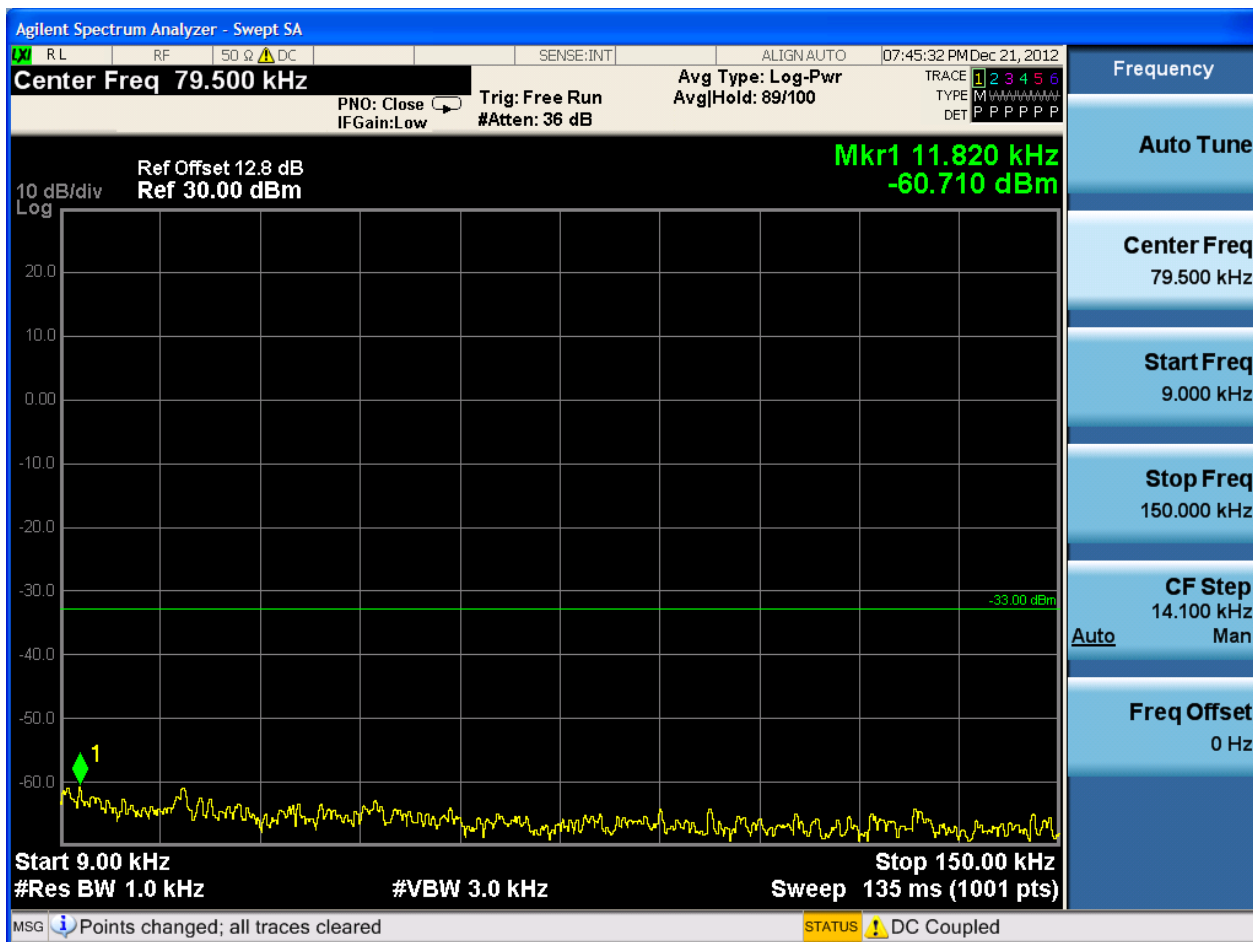


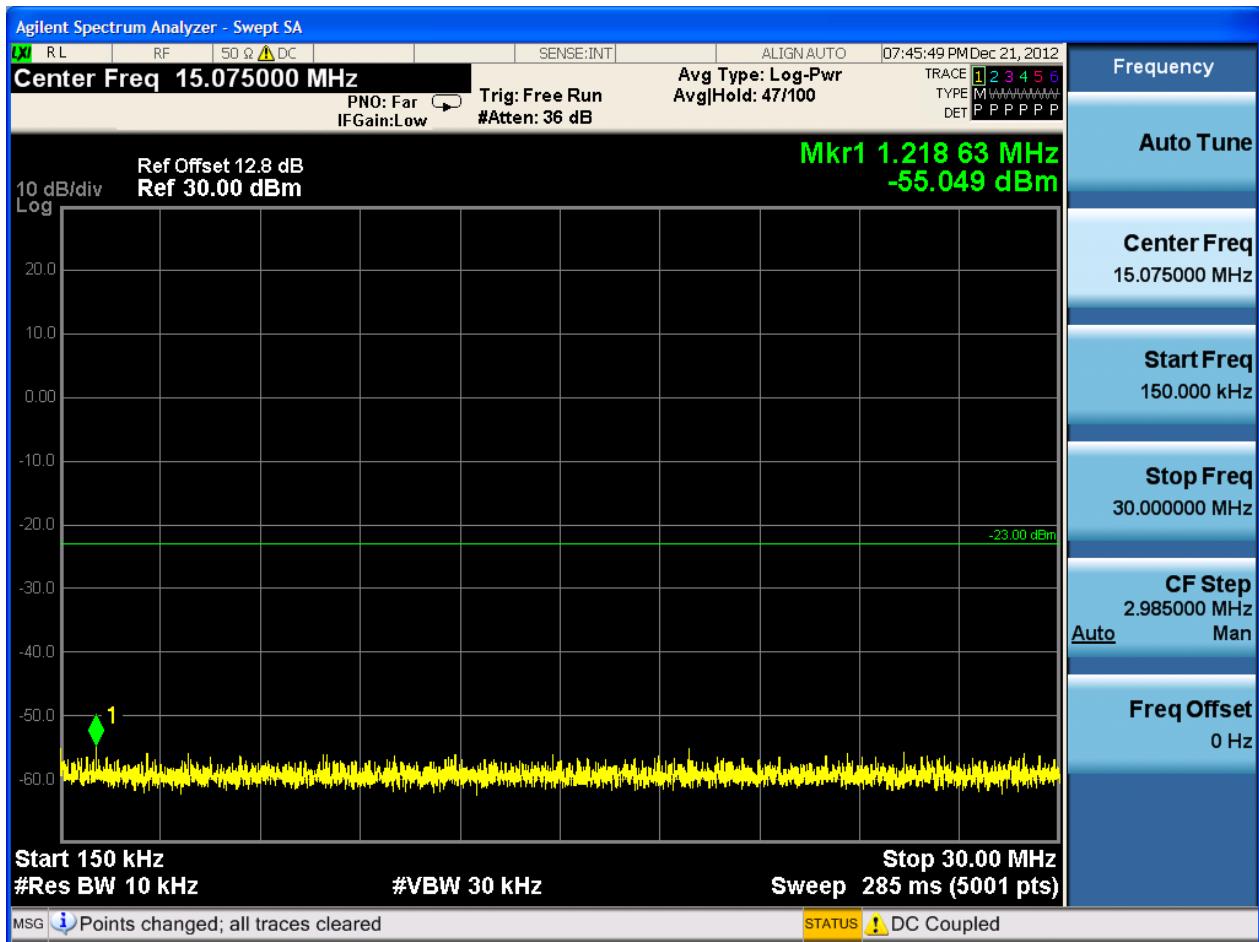


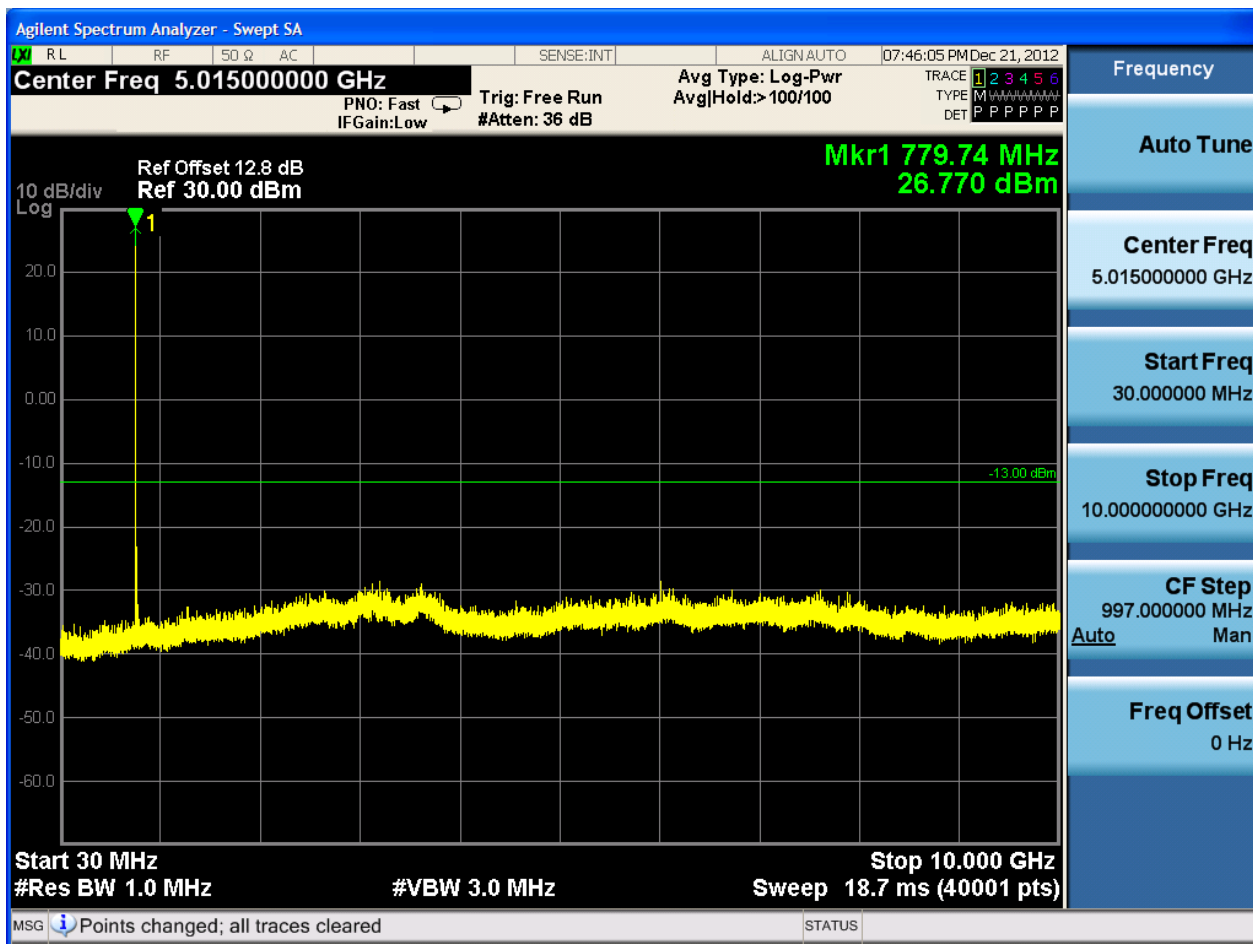


4.1.1.2.1.2 Test Channel = HCH

4.1.1.2.1.2.1 Test RB = RB1#0

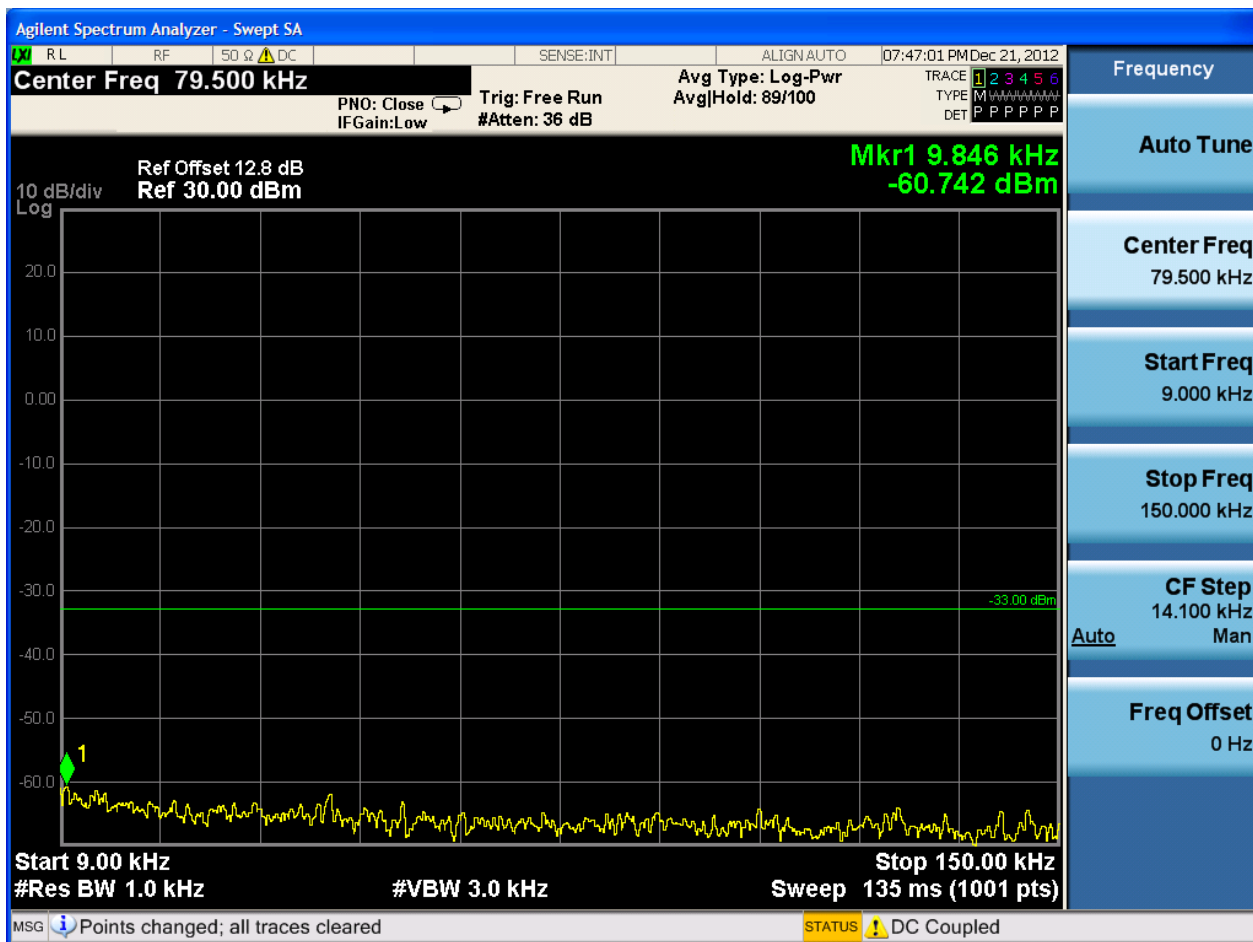


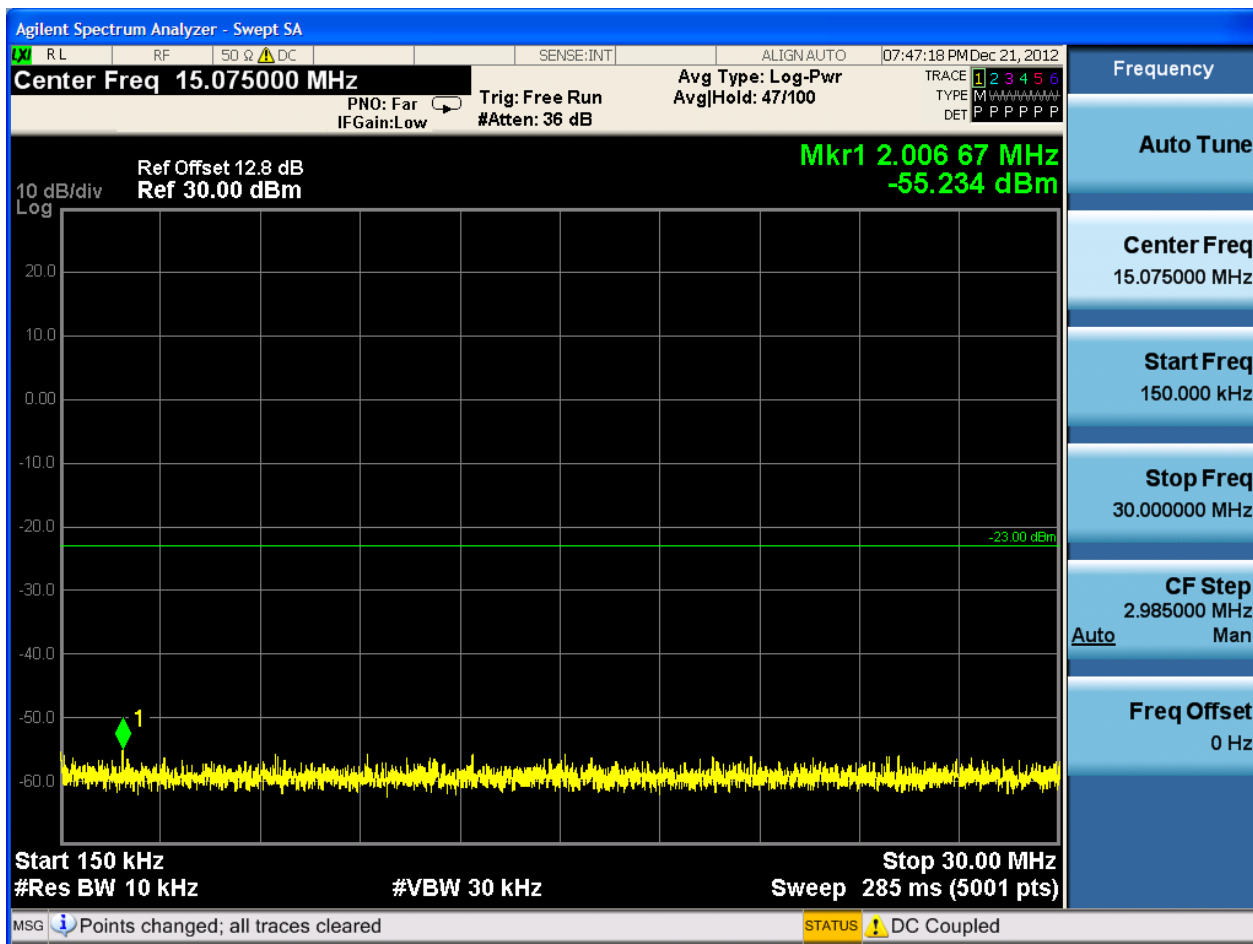


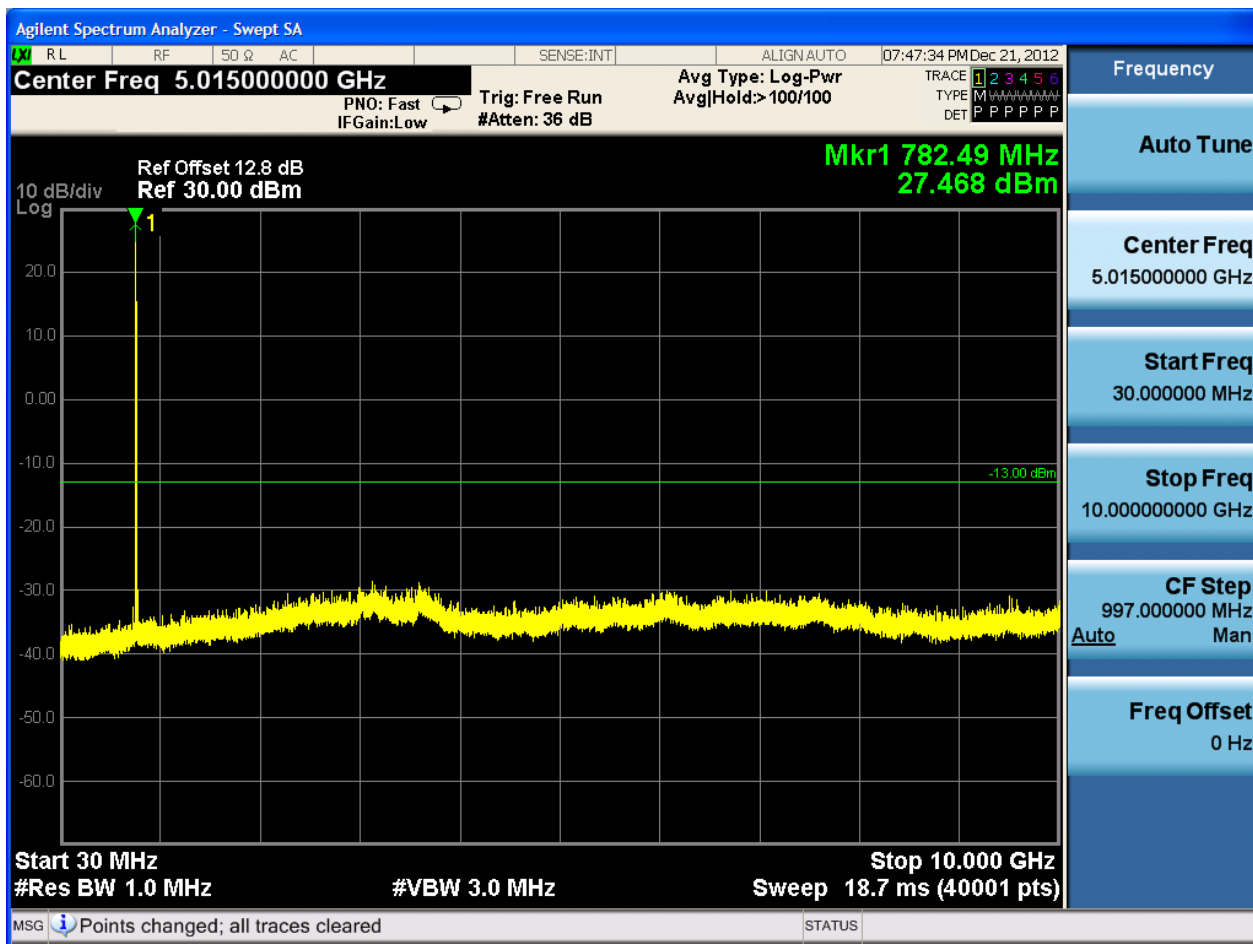


4.1.1.2.1.3 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB1#0



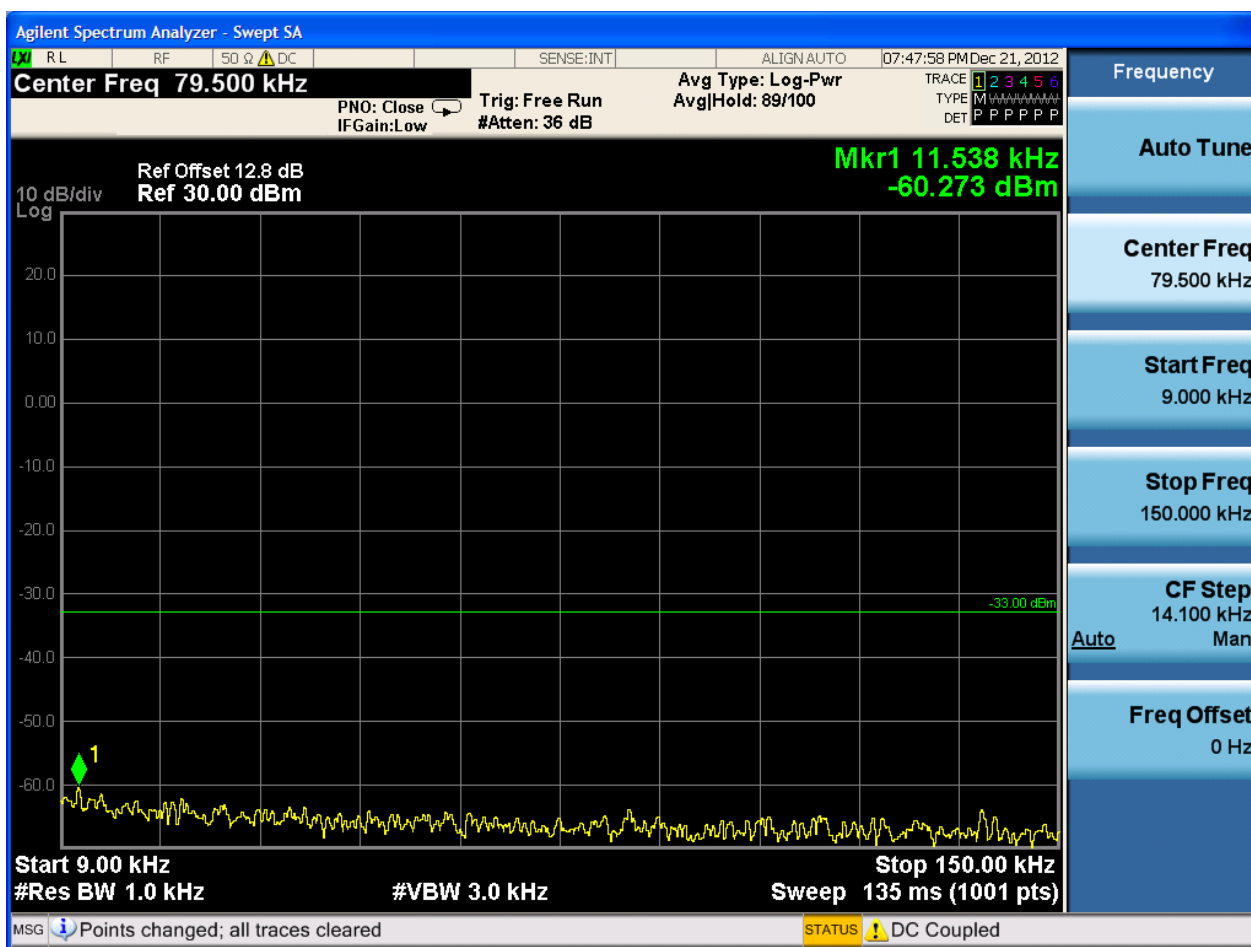


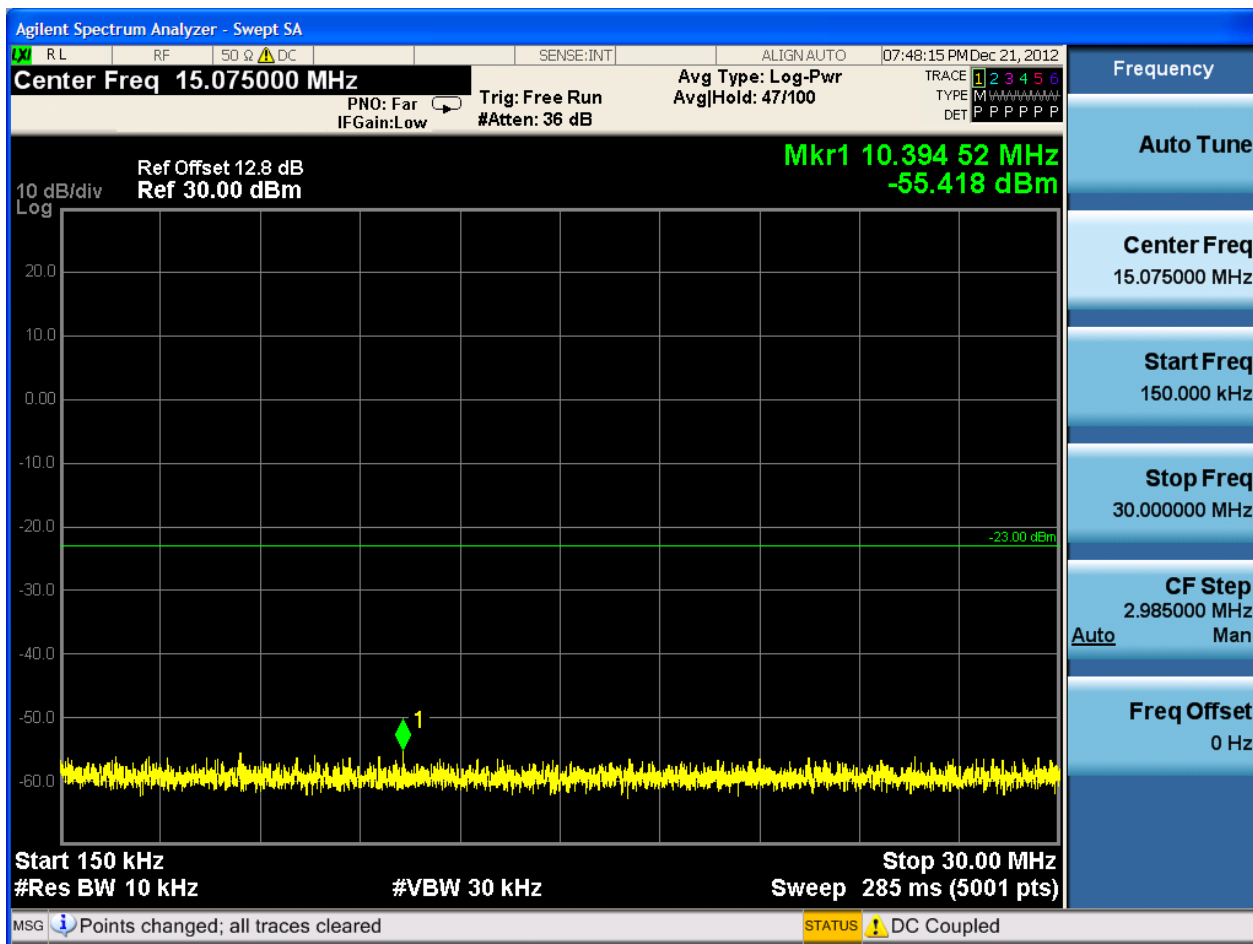


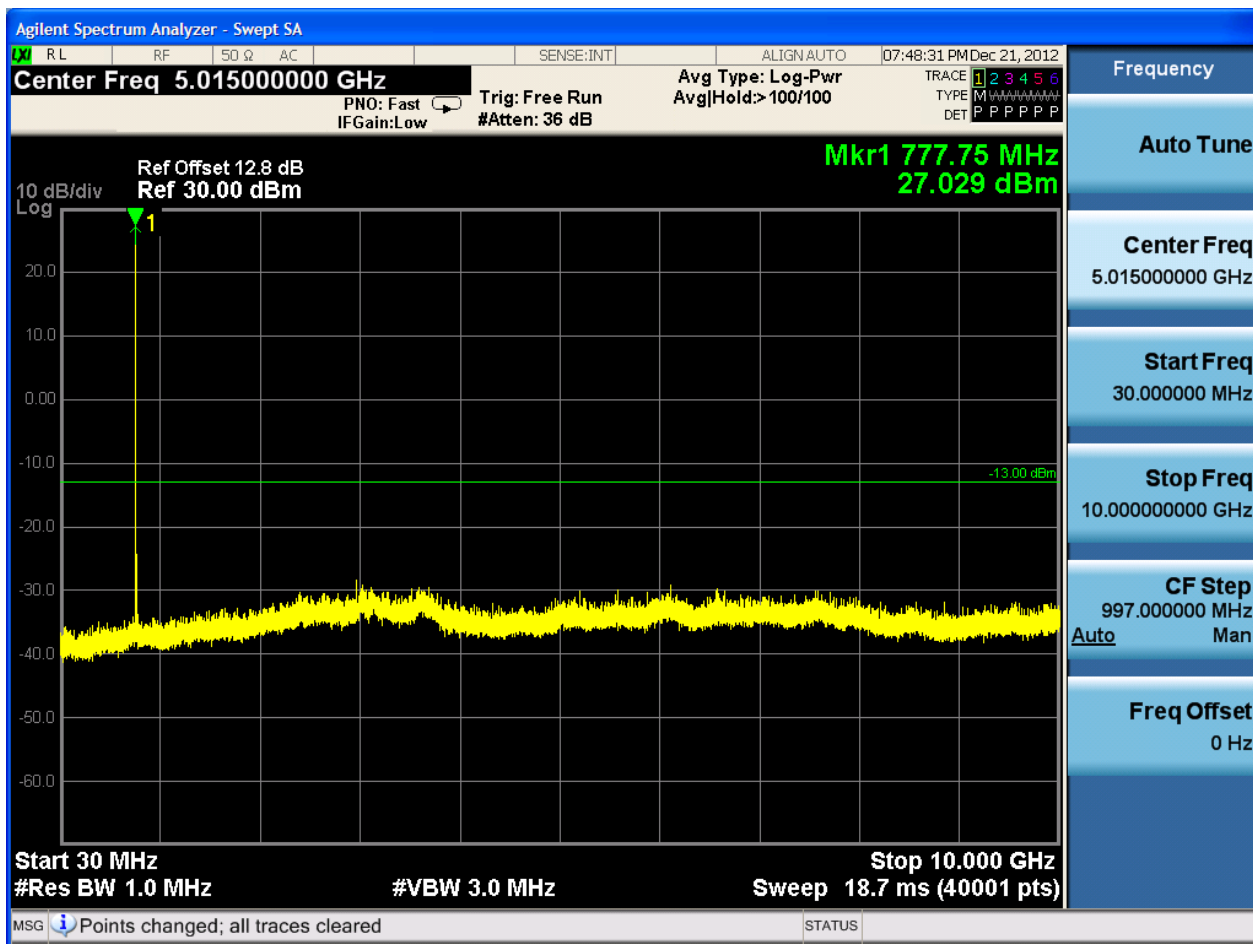
4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB1#0

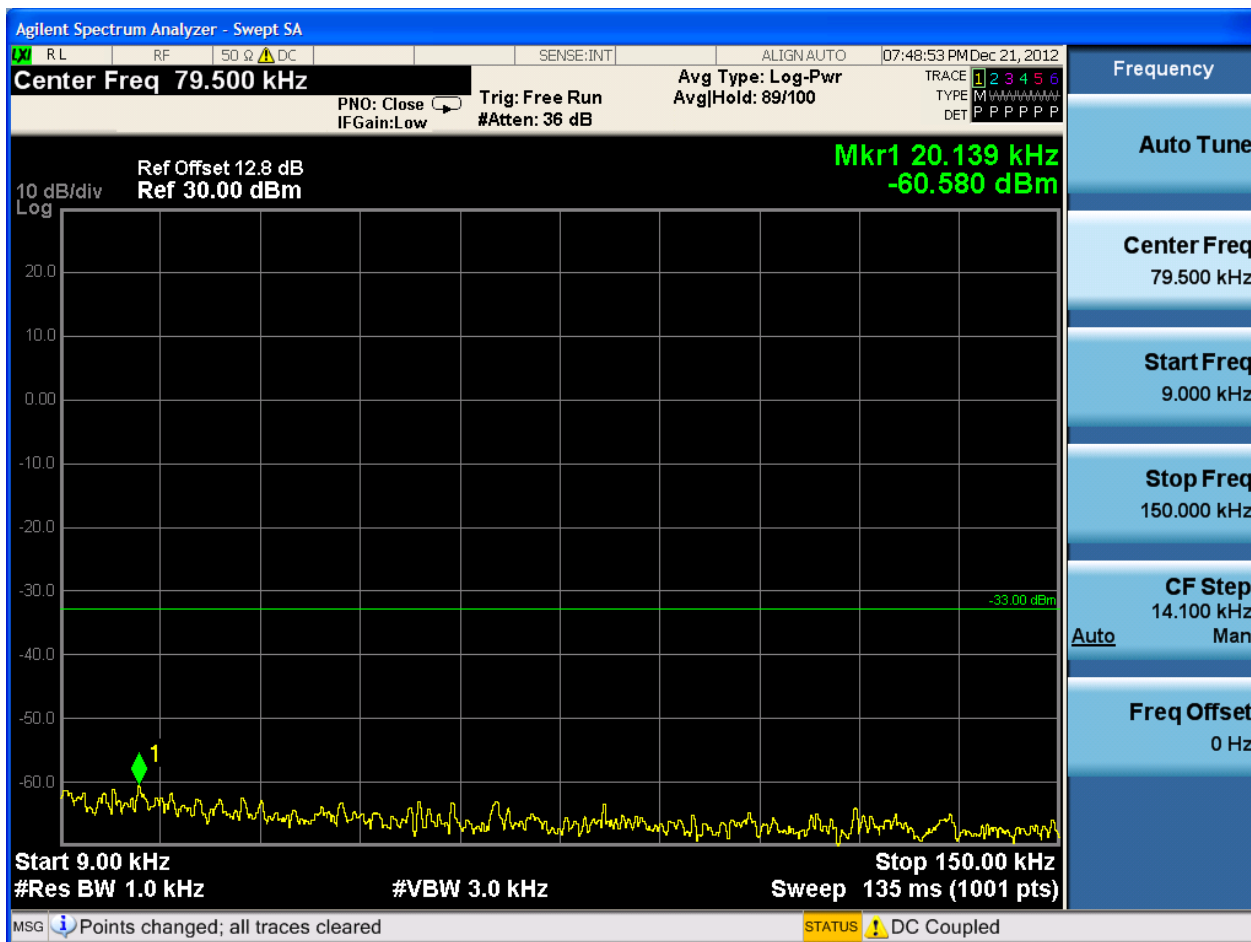


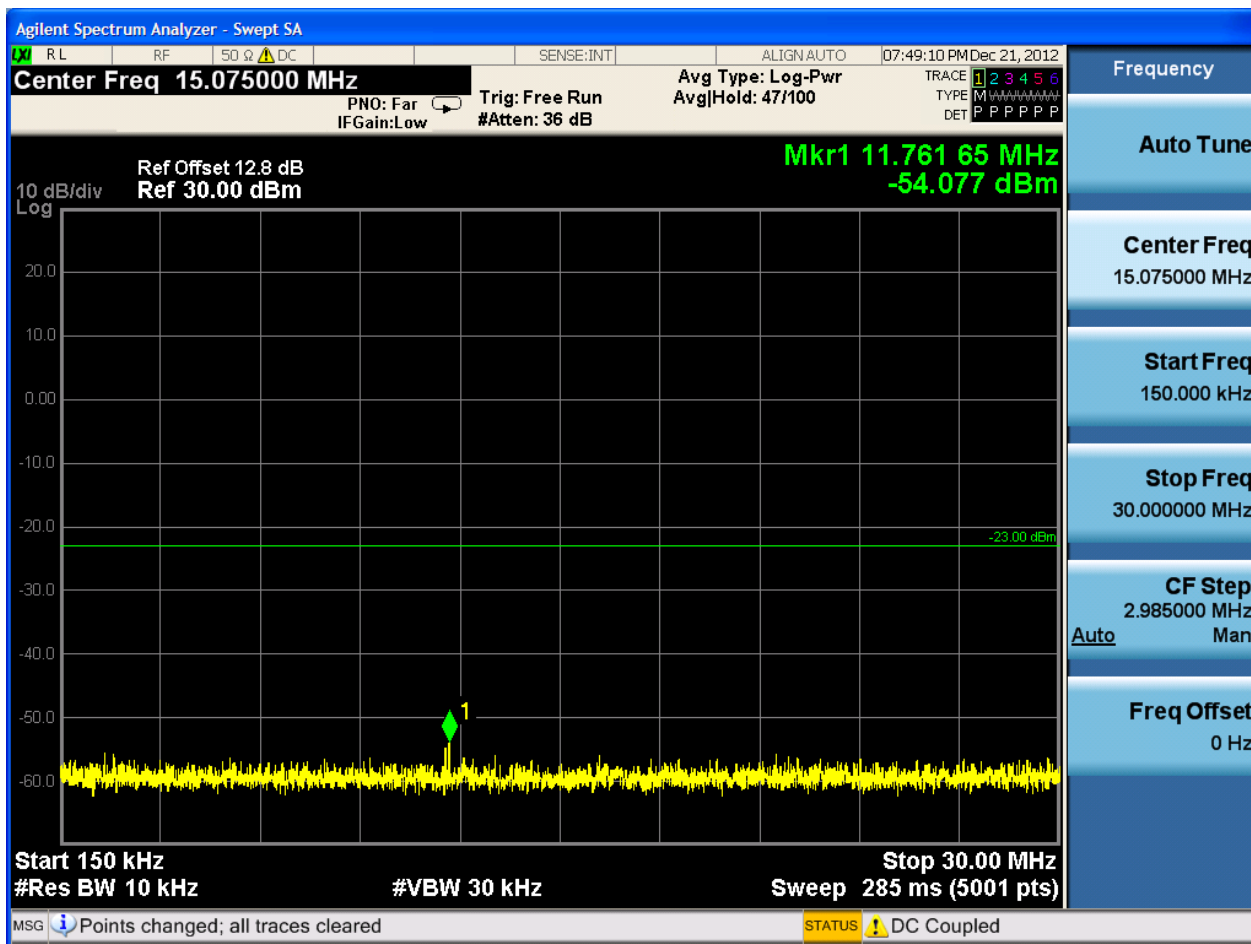


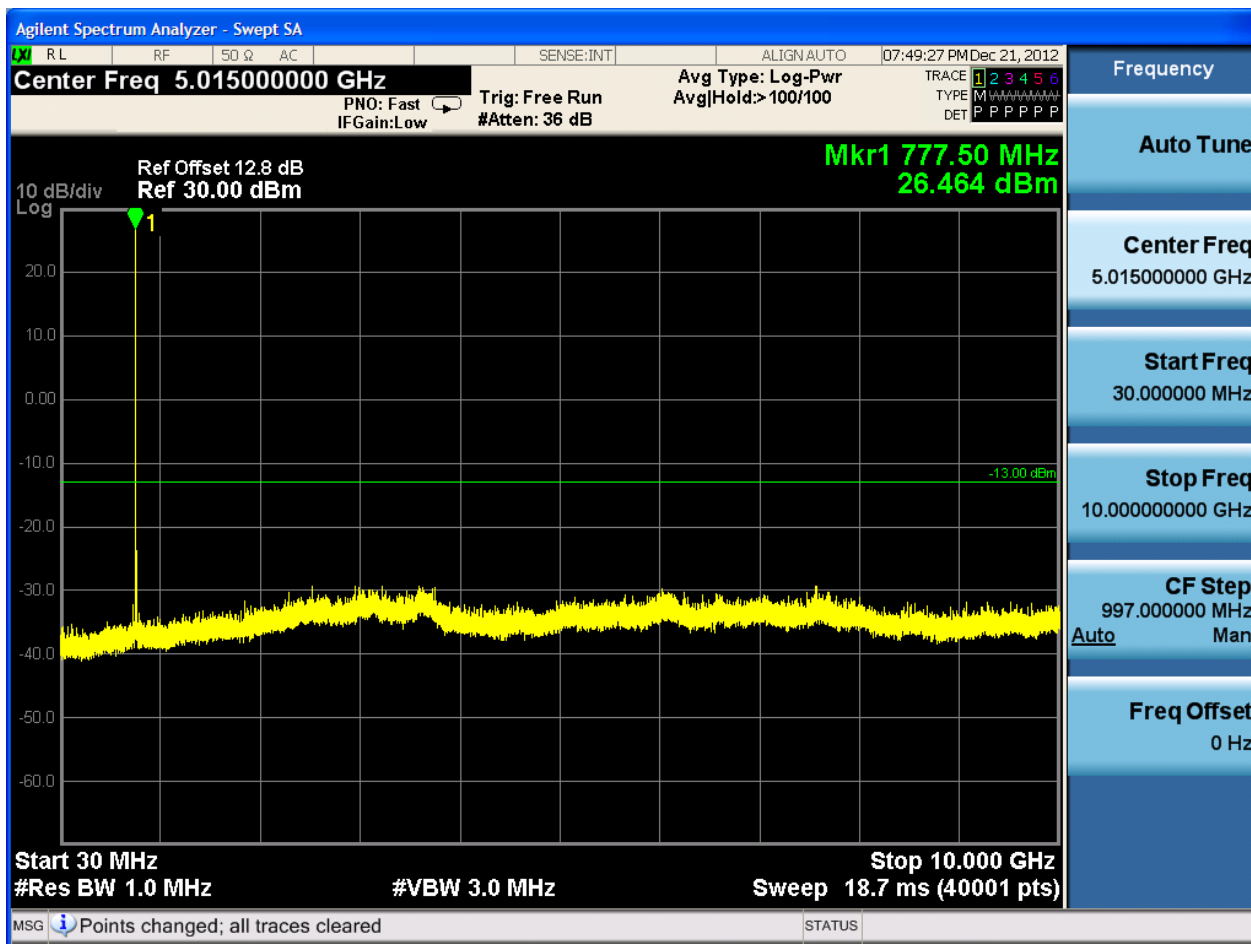


4.1.1.2.2.2 Test Channel = HCH

4.1.1.2.2.2.1 Test RB = RB1#0



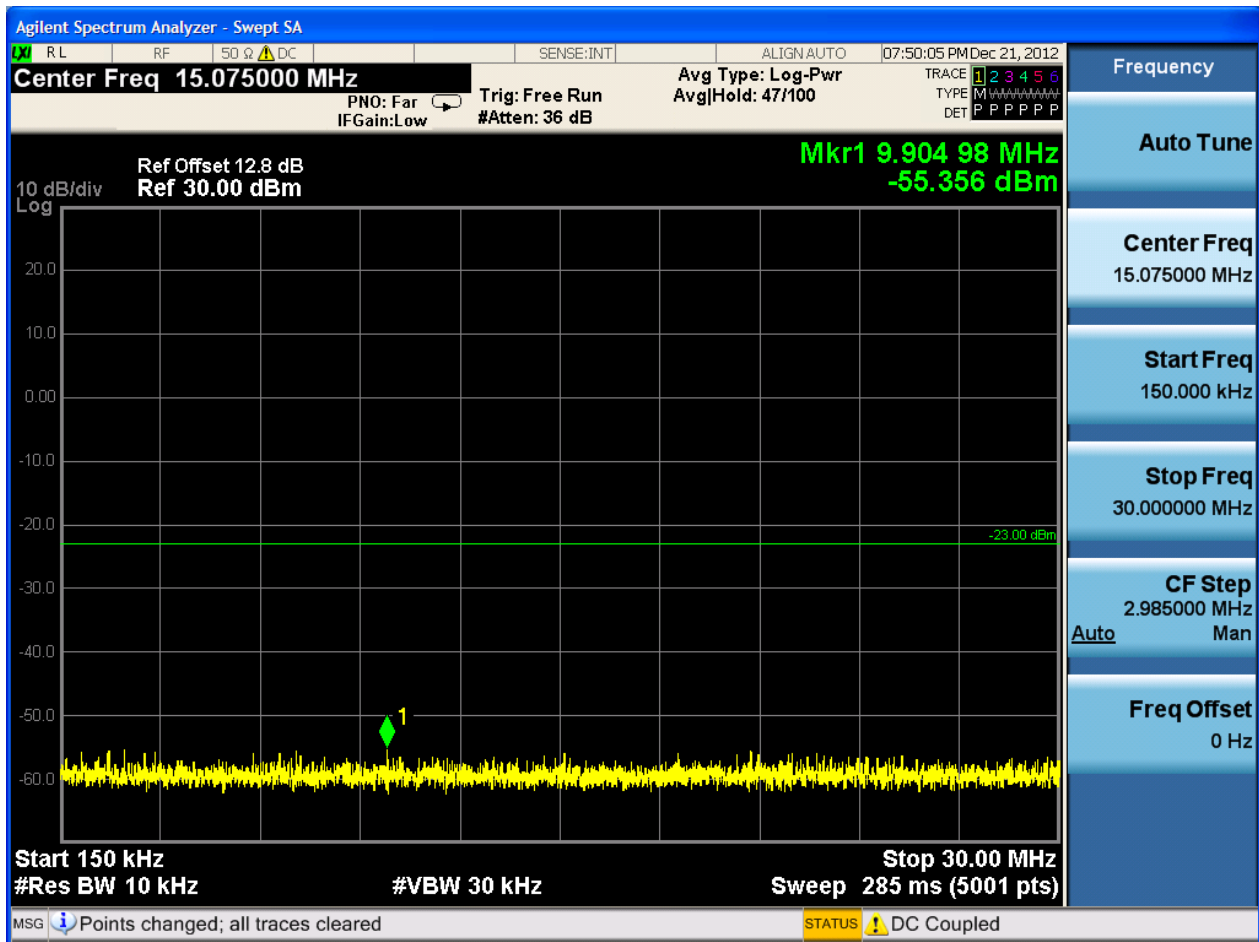


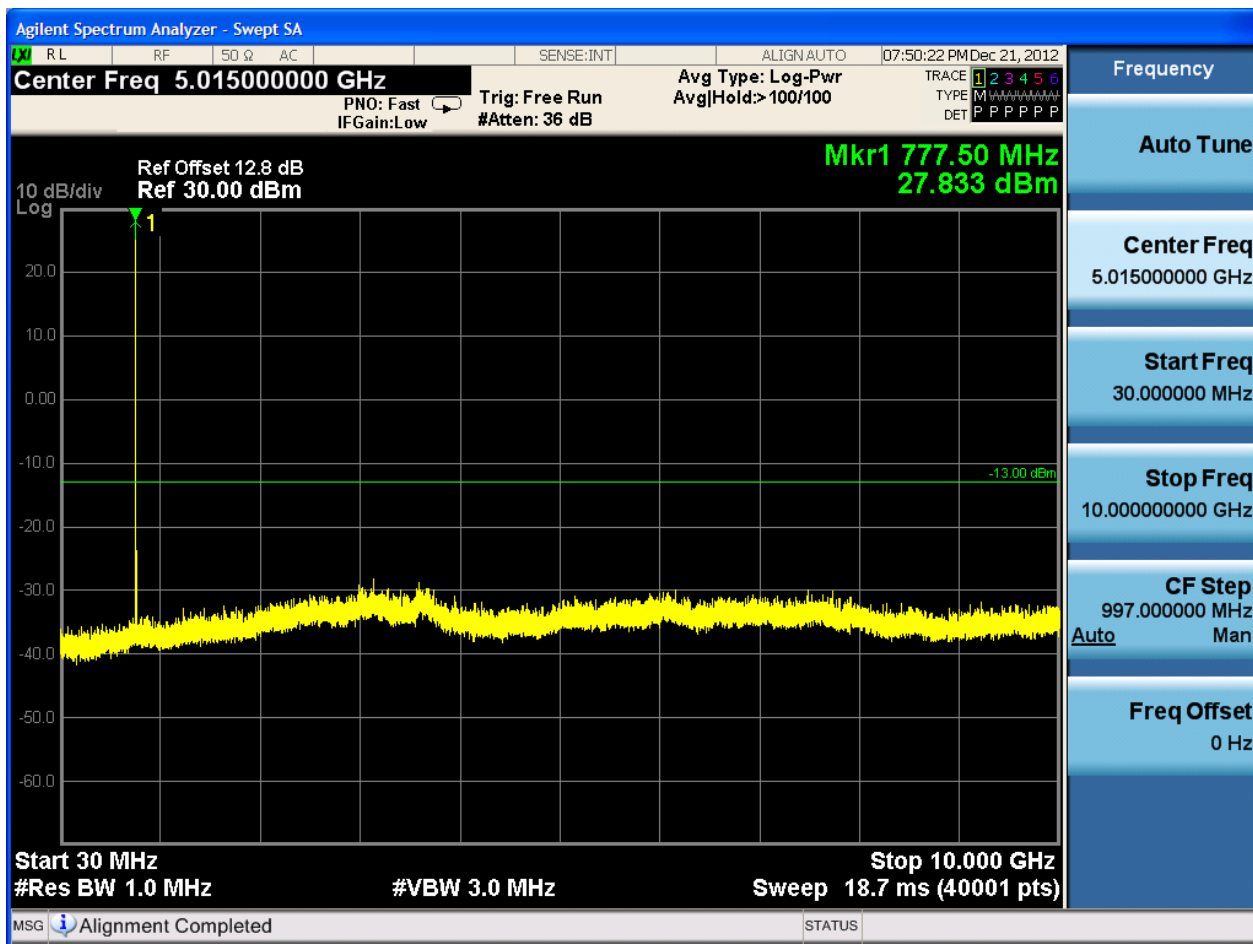


4.1.1.2.2.3 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB1#0







5Appendix_E: Radiated spurious emission

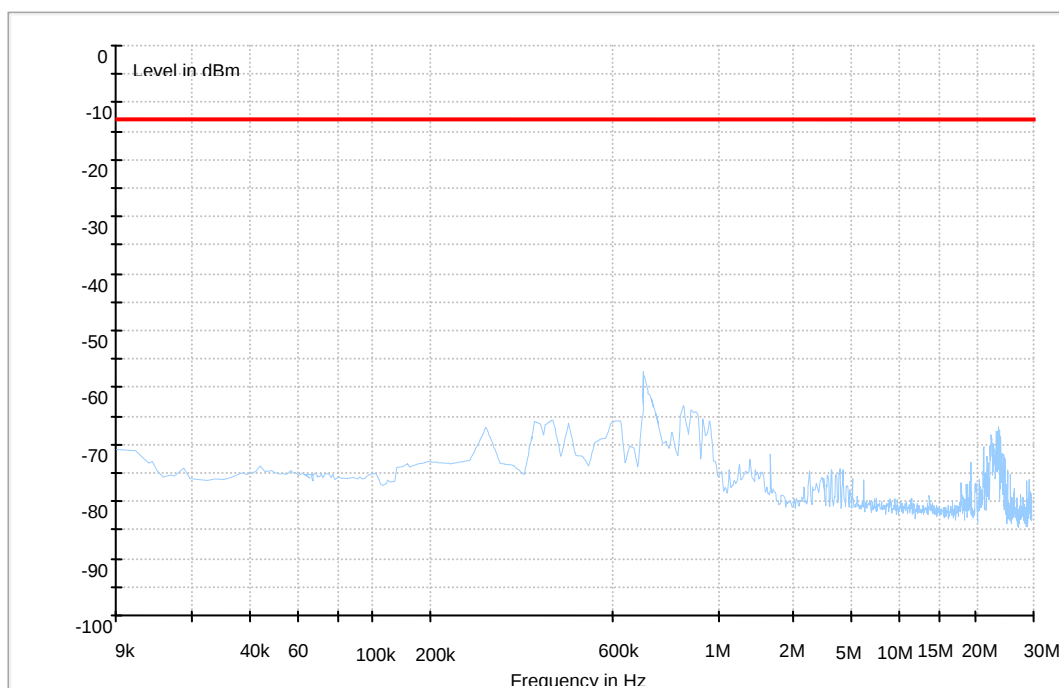
5.1For LTE

5.1.1Test Band=BAND13

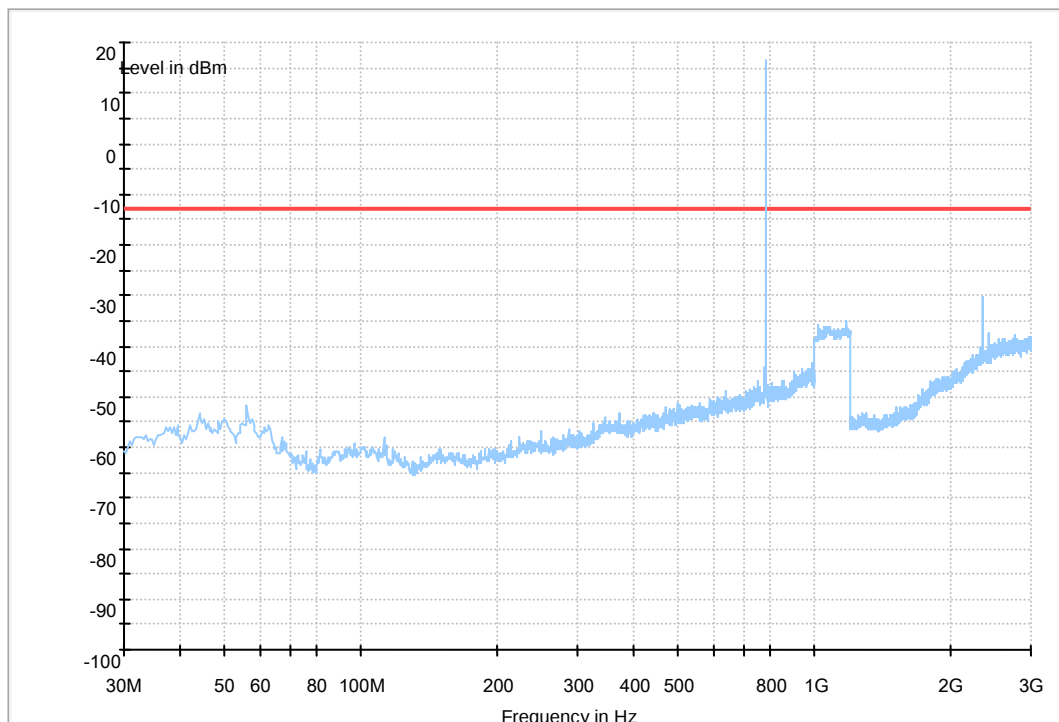
5.1.1.1Test mode=LTE/TM1

5.1.1.1.1Test Width=5

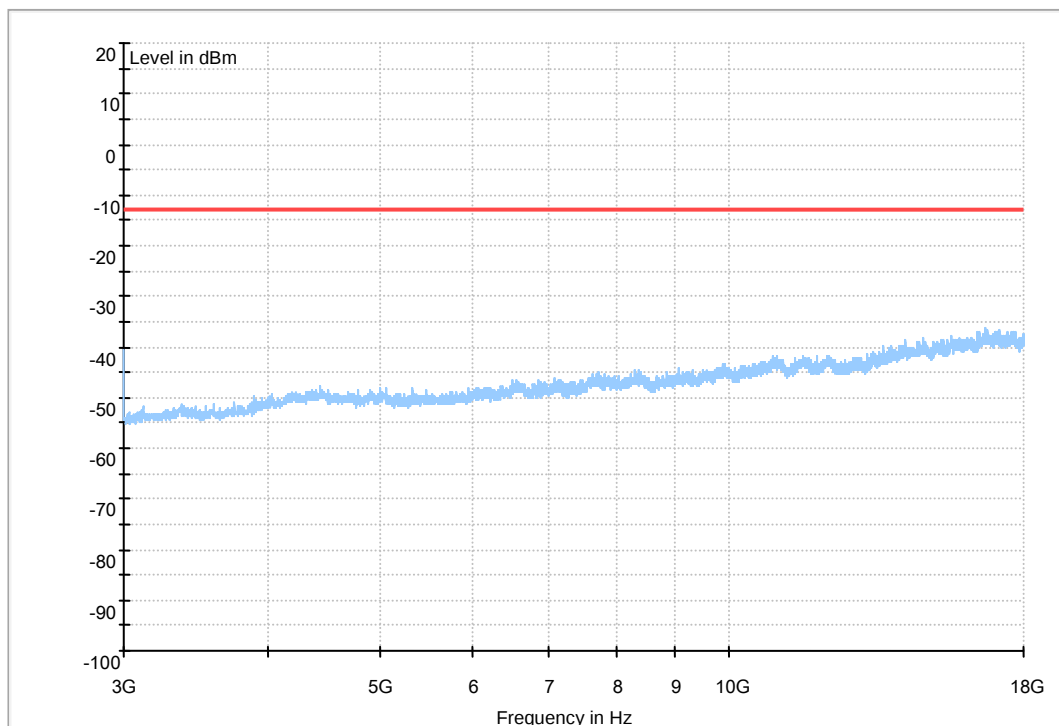
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

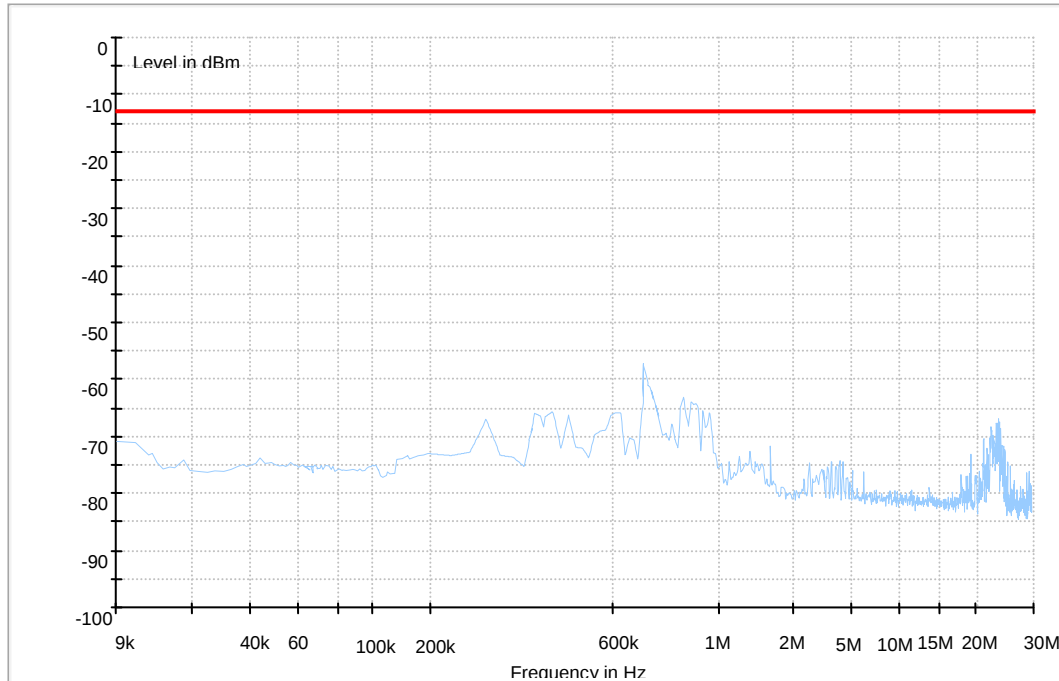


Traffic Mode (3GHz-18GHz)

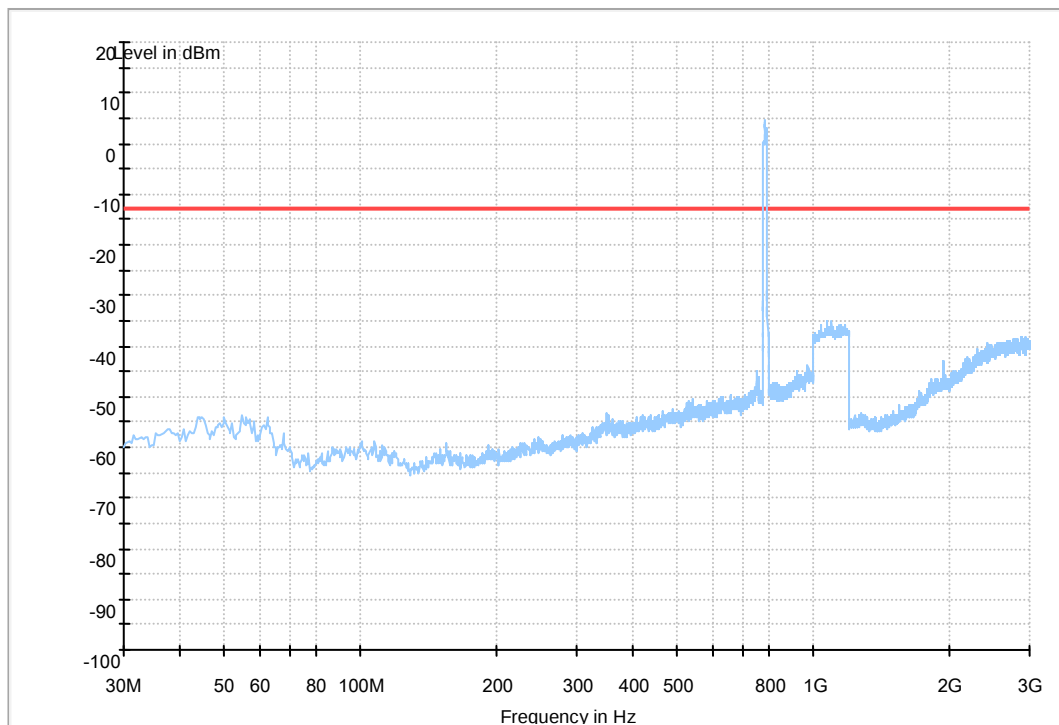


5.1.1.1.2 Test Width=10

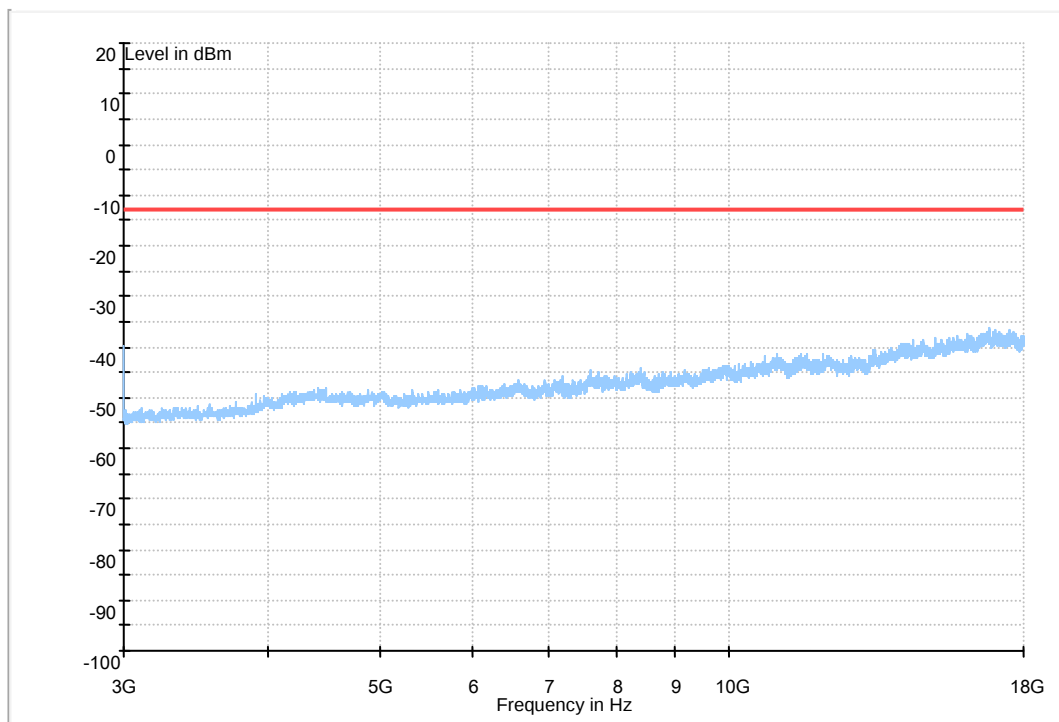
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



6Appendix_F: Frequency Stability

6.1 For LTE

6.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND13	LTE/TM1	5	LCH	TN	VL	-1.97	-0.00253	±2.5	PASS
					VN	-2.92	-0.00375	±2.5	PASS
					VH	-0.51	-0.00065	±2.5	PASS
			MCH	TN	VL	-1.83	-0.00234	±2.5	PASS
					VN	-1.37	-0.00175	±2.5	PASS
					VH	-0.94	-0.0012	±2.5	PASS
			HCH	TN	VL	-1.47	-0.00187	±2.5	PASS
					VN	-0.40	-0.00051	±2.5	PASS
					VH	-1.56	-0.00199	±2.5	PASS
		10	LCH	TN	VL	-0.67	-0.00086	±2.5	PASS
					VN	-1.54	-0.00197	±2.5	PASS
					VH	-0.84	-0.00107	±2.5	PASS
			MCH	TN	VL	-0.50	-0.00064	±2.5	PASS
					VN	-0.33	-0.00042	±2.5	PASS
					VH	-2.05	-0.00262	±2.5	PASS
			HCH	TN	VL	-1.09	-0.00139	±2.5	PASS
					VN	-0.13	-0.00017	±2.5	PASS
					VH	-1.00	-0.00128	±2.5	PASS
	LTE/TM2	5	LCH	TN	VL	-0.87	-0.00112	±2.5	PASS
					VN	-0.62	-0.0008	±2.5	PASS
					VH	0.47	0.0006	±2.5	PASS
			MCH	TN	VL	-1.02	-0.0013	±2.5	PASS
					VN	-0.89	-0.00114	±2.5	PASS
					VH	-1.04	-0.00133	±2.5	PASS
			HCH	TN	VL	-0.99	-0.00126	±2.5	PASS
					VN	-0.69	-0.00088	±2.5	PASS
					VH	0.69	0.00088	±2.5	PASS
		10	LCH	TN	VL	-1.49	-0.00191	±2.5	PASS
					VN	-1.85	-0.00237	±2.5	PASS
					VH	-1.32	-0.00169	±2.5	PASS
			MCH	TN	VL	-1.93	-0.00247	±2.5	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict	
				TN	VN	-1.95	-0.00249	±2.5	PASS	
					VH	-1.24	-0.00159	±2.5	PASS	
			HCH		VL	-1.99	-0.00254	±2.5	PASS	
					VN	-1.17	-0.0015	±2.5	PASS	
					VH	-1.70	-0.00217	±2.5	PASS	

6.1.2 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND13	LTE/TM1	5	LCH	VN	-30	-2.75	-0.00353	±2.5	PASS
					-20	-2.33	-0.00299	±2.5	PASS
					-10	-0.39	-0.0005	±2.5	PASS
					0	-2.62	-0.00336	±2.5	PASS
					10	-1.89	-0.00242	±2.5	PASS
					20	-0.46	-0.00059	±2.5	PASS
					30	-0.36	-0.00046	±2.5	PASS
					40	-0.64	-0.00082	±2.5	PASS
					50	-1.90	-0.00244	±2.5	PASS
			MCH	VN	-30	-0.43	-0.00055	±2.5	PASS
					-20	-0.62	-0.00079	±2.5	PASS
					-10	-1.12	-0.00143	±2.5	PASS
					0	-1.40	-0.00179	±2.5	PASS
					10	-1.46	-0.00187	±2.5	PASS
					20	-2.60	-0.00332	±2.5	PASS
					30	-0.67	-0.00086	±2.5	PASS
					40	-2.16	-0.00276	±2.5	PASS
					50	-0.41	-0.00052	±2.5	PASS
			HCH	VN	-30	-0.96	-0.00122	±2.5	PASS
					-20	-1.39	-0.00177	±2.5	PASS
					-10	-0.94	-0.0012	±2.5	PASS
					0	-2.43	-0.0031	±2.5	PASS
					10	-1.34	-0.00171	±2.5	PASS
					20	-1.29	-0.00164	±2.5	PASS
					30	-1.75	-0.00223	±2.5	PASS
					40	-0.59	-0.00075	±2.5	PASS
					50	-0.53	-0.00068	±2.5	PASS
		10	LCH	VN	-30	-1.22	-0.00156	±2.5	PASS
					-20	0.16	0.0002	±2.5	PASS
					-10	-0.92	-0.00118	±2.5	PASS
					0	-1.60	-0.00205	±2.5	PASS
					10	-0.77	-0.00098	±2.5	PASS
					20	-0.11	-0.00014	±2.5	PASS
					30	-0.47	-0.0006	±2.5	PASS
					40	-0.21	-0.00027	±2.5	PASS
					50	-0.94	-0.0012	±2.5	PASS
			MCH	VN	-30	-1.16	-0.00148	±2.5	PASS
					-20	-0.84	-0.00107	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					-10	-0.04	-0.00005	±2.5	PASS
					0	0.17	0.00022	±2.5	PASS
					10	-0.64	-0.00082	±2.5	PASS
					20	0.17	0.00022	±2.5	PASS
					30	-0.27	-0.00035	±2.5	PASS
					40	-0.96	-0.00123	±2.5	PASS
					50	-0.09	-0.00012	±2.5	PASS
			HCH	VN	-30	-0.76	-0.00097	±2.5	PASS
					-20	-0.60	-0.00077	±2.5	PASS
					-10	-0.83	-0.00106	±2.5	PASS
					0	-1.90	-0.00243	±2.5	PASS
					10	0.43	0.00055	±2.5	PASS
					20	-0.24	-0.00031	±2.5	PASS
					30	-0.93	-0.00119	±2.5	PASS
					40	-0.20	-0.00026	±2.5	PASS
					50	-1.09	-0.00139	±2.5	PASS
	LTE/TM2	5	LCH	VN	-30	-1.60	-0.00205	±2.5	PASS
					-20	0.62	0.0008	±2.5	PASS
					-10	-1.22	-0.00157	±2.5	PASS
					0	-0.04	-0.00005	±2.5	PASS
					10	-1.03	-0.00132	±2.5	PASS
					20	-1.85	-0.00237	±2.5	PASS
					30	0.82	0.00105	±2.5	PASS
					40	-1.14	-0.00146	±2.5	PASS
					50	0.36	0.00046	±2.5	PASS
			MCH	VN	-30	-1.06	-0.00136	±2.5	PASS
					-20	0.16	0.0002	±2.5	PASS
					-10	0.03	0.00004	±2.5	PASS
					0	-1.32	-0.00169	±2.5	PASS
					10	0.09	0.00012	±2.5	PASS
					20	0.57	0.00073	±2.5	PASS
					30	0.33	0.00042	±2.5	PASS
					40	0.76	0.00097	±2.5	PASS
					50	-1.44	-0.00184	±2.5	PASS
			HCH	VN	-30	-0.59	-0.00075	±2.5	PASS
					-20	0.00	0	±2.5	PASS
					-10	-0.73	-0.00093	±2.5	PASS
					0	-1.02	-0.0013	±2.5	PASS
					10	-0.76	-0.00097	±2.5	PASS
					20	0.10	0.00013	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					30	-0.70	-0.00089	±2.5	PASS
					40	0.17	0.00022	±2.5	PASS
					50	-1.02	-0.0013	±2.5	PASS
		10	LCH	VN	-30	-1.44	-0.00184	±2.5	PASS
					-20	-0.59	-0.00075	±2.5	PASS
					-10	-1.02	-0.0013	±2.5	PASS
					0	-0.59	-0.00075	±2.5	PASS
					10	-1.14	-0.00146	±2.5	PASS
					20	-1.66	-0.00212	±2.5	PASS
					30	-1.00	-0.00128	±2.5	PASS
					40	-1.80	-0.0023	±2.5	PASS
					50	-1.09	-0.00139	±2.5	PASS
			MCH	VN	-30	-0.97	-0.00124	±2.5	PASS
					-20	-1.34	-0.00171	±2.5	PASS
					-10	-2.56	-0.00327	±2.5	PASS
					0	-1.19	-0.00152	±2.5	PASS
					10	-1.32	-0.00169	±2.5	PASS
					20	-1.10	-0.00141	±2.5	PASS
					30	-1.99	-0.00254	±2.5	PASS
					40	-2.35	-0.00301	±2.5	PASS
					50	-0.94	-0.0012	±2.5	PASS
			HCH	VN	-30	-1.19	-0.00152	±2.5	PASS
					-20	-2.16	-0.00276	±2.5	PASS
					-10	-0.79	-0.00101	±2.5	PASS
					0	-0.72	-0.00092	±2.5	PASS
					10	-0.96	-0.00123	±2.5	PASS
					20	-2.12	-0.00271	±2.5	PASS
					30	-2.37	-0.00303	±2.5	PASS
					40	-0.10	-0.00013	±2.5	PASS
					50	-1.52	-0.00194	±2.5	PASS

END