



Appendix for test report

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1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	33.27	30.19	38.5	PASS
		MCH	33.25	30.15	38.5	PASS
		HCH	33.21	30.01	38.5	PASS
	GSM/TM2	LCH	27.17	24.16	38.5	PASS
		MCH	27.19	24.03	38.5	PASS
		HCH	27.3	24.22	38.5	PASS
WCDMA850	UMTS/TM1	LCH	23.21	20.11	38.5	PASS
		MCH	23.32	20.25	38.5	PASS
		HCH	23.49	20.48	38.5	PASS
Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	30.15	31.71	33	PASS
		MCH	30.11	31.65	33	PASS
		HCH	30.00	31.62	33	PASS
	GSM/TM2	LCH	25.35	26.92	33	PASS
		MCH	25.28	26.81	33	PASS
		HCH	25.29	26.75	33	PASS
WCDMA1900	UMTS/TM1	LCH	23.16	24.68	33	PASS
		MCH	23.29	24.81	33	PASS
		HCH	23.13	24.77	33	PASS

Note1:

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

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

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



b, SGP=Signal Generator Level

Note2: $RBW > \text{emission bandwidth}$, $VBW > 3 \times RBW$.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
GSM1900	GSM/TM1	LCH	0.34	13	PASS
		MCH	0.37	13	PASS
		HCH	0.39	13	PASS
	GSM/TM2	LCH	3.14	13	PASS
		MCH	3.12	13	PASS
		HCH	3.24	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM1	LCH	3.27	13	PASS
		MCH	3.27	13	PASS
		HCH	3.1	13	PASS

3Appendix_C: Modulation Characteristics

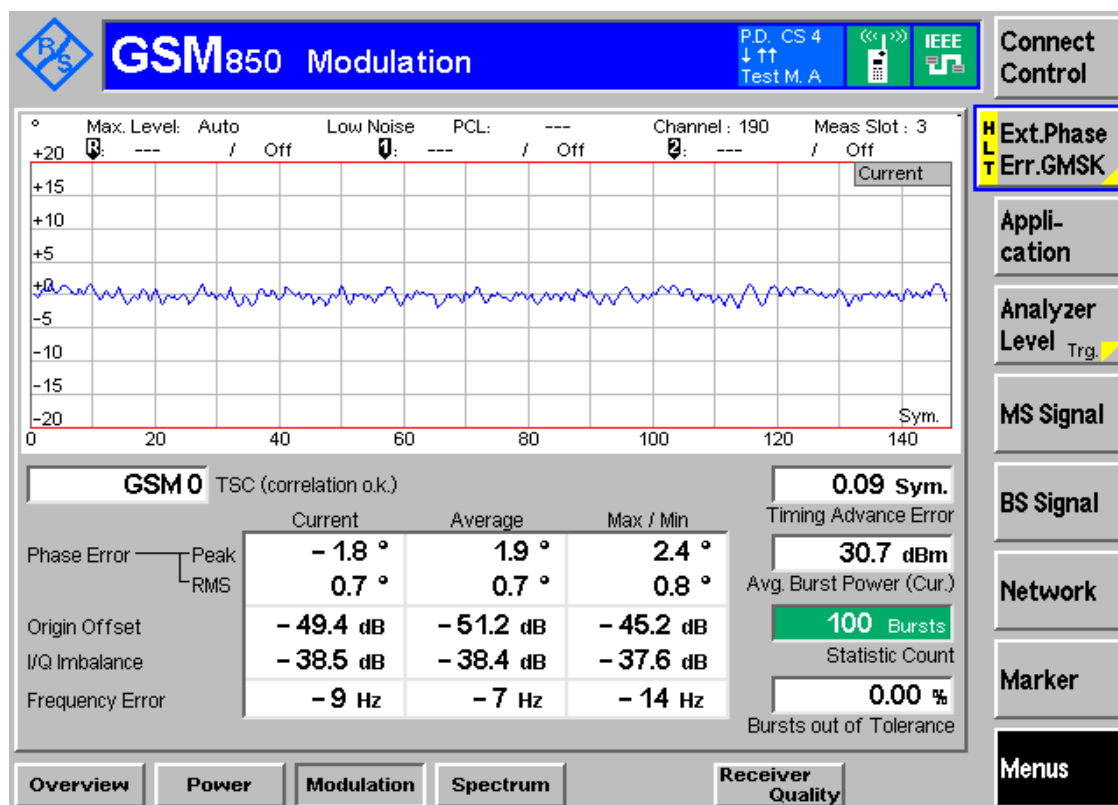
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

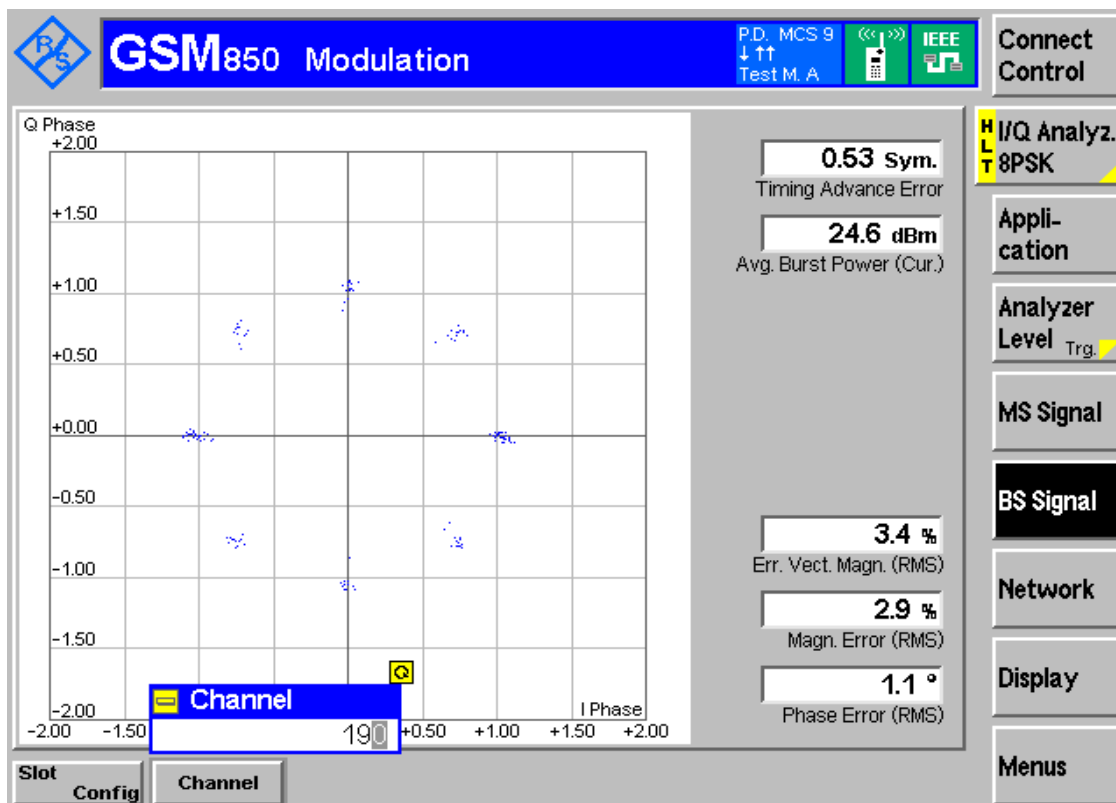
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

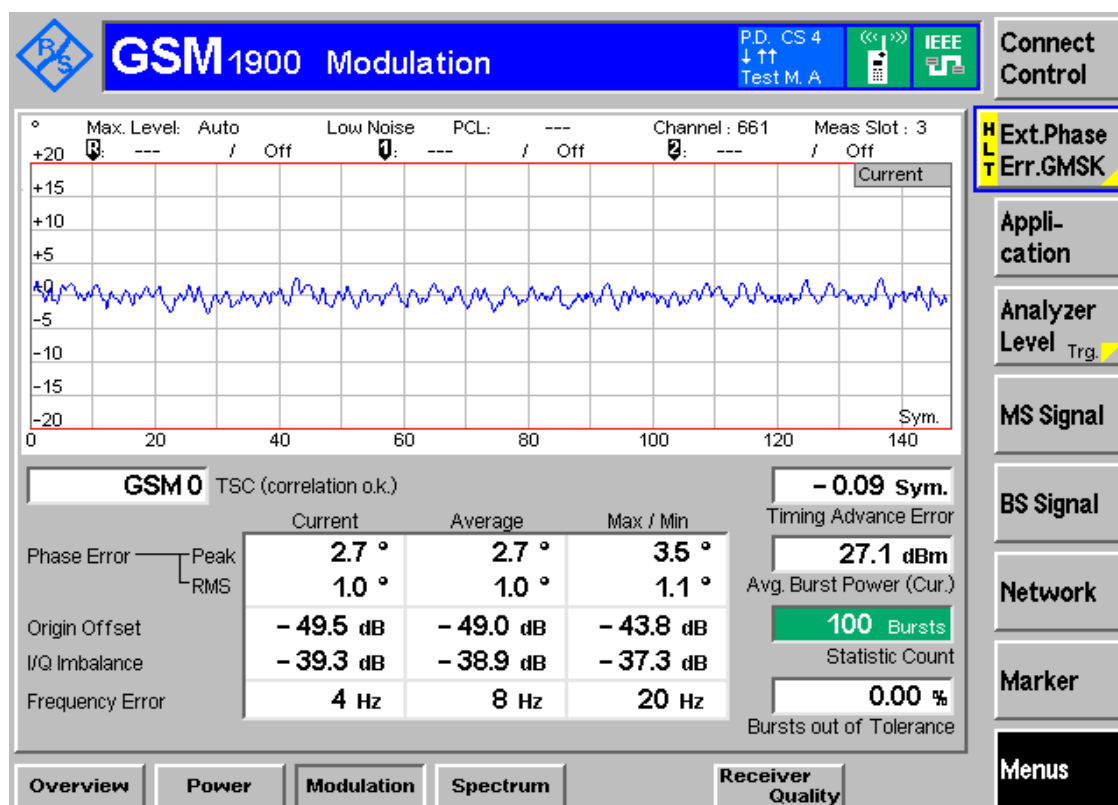
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

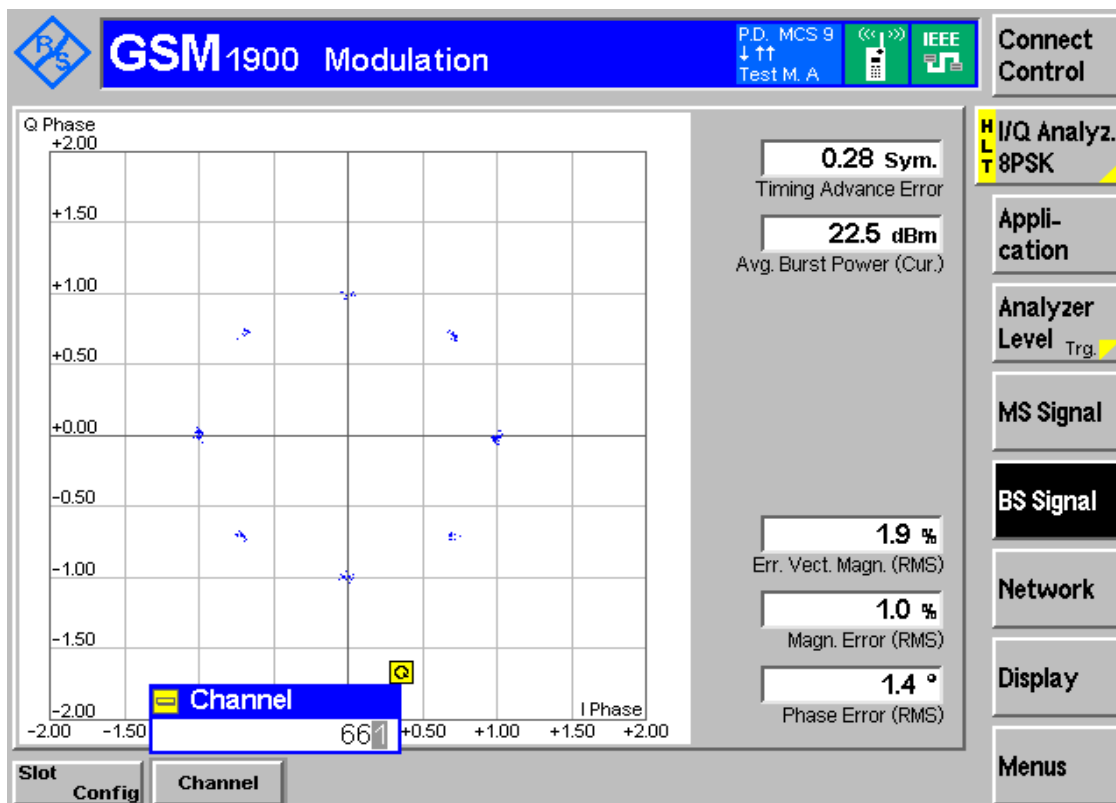
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

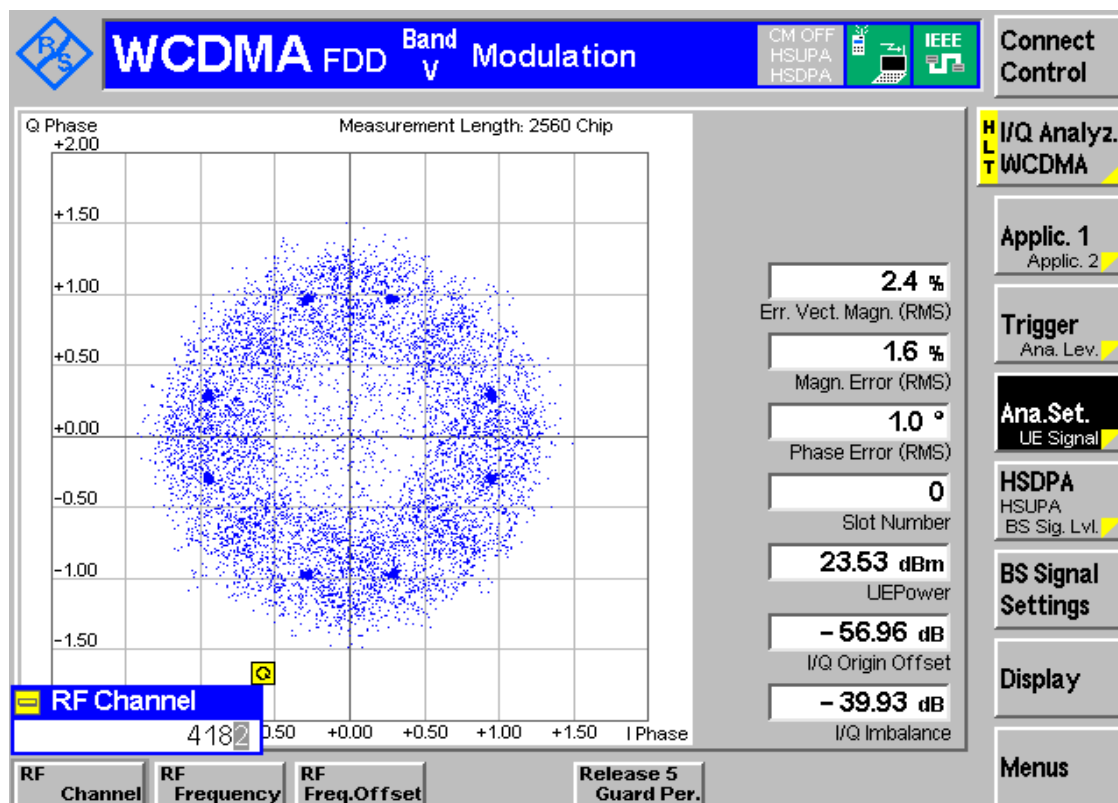


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

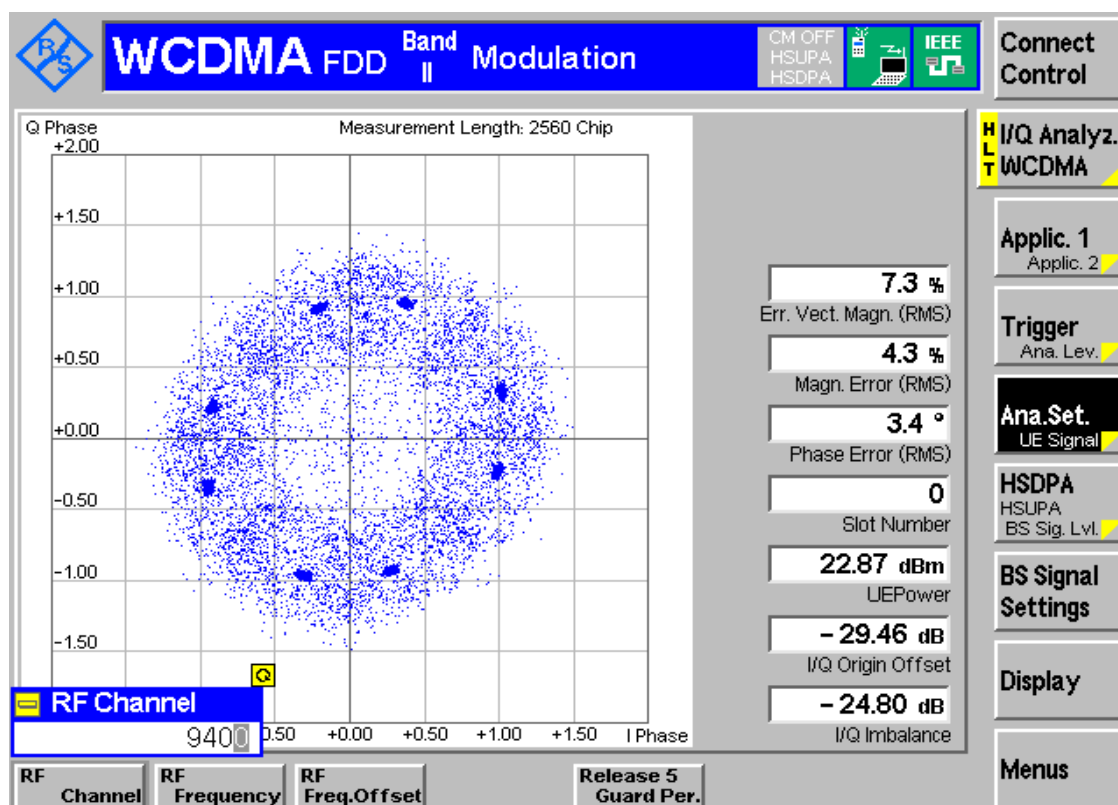
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

3.2.2.1.1 Test Channel = MCH



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	239.94	307.71	Pass
		MCH	244.77	315.17	Pass
		HCH	241.90	316.05	Pass
	GSM/TM2	LCH	234.48	295.37	Pass
		MCH	239.62	296.81	Pass
		HCH	242.61	309.80	Pass
GSM1900	GSM/TM1	LCH	240.99	308.26	Pass
		MCH	240.55	310.51	Pass
		HCH	239.53	314.86	Pass
	GSM/TM2	LCH	244.84	309.18	Pass
		MCH	237.73	305.13	Pass
		HCH	241.07	316.70	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.16	4.71	Pass
		MCH	4.16	4.72	Pass
		HCH	4.15	4.72	Pass
WCDMA1900	UMTS/TM1	LCH	4.19	4.73	Pass
		MCH	4.16	4.71	Pass
		HCH	4.16	4.72	Pass

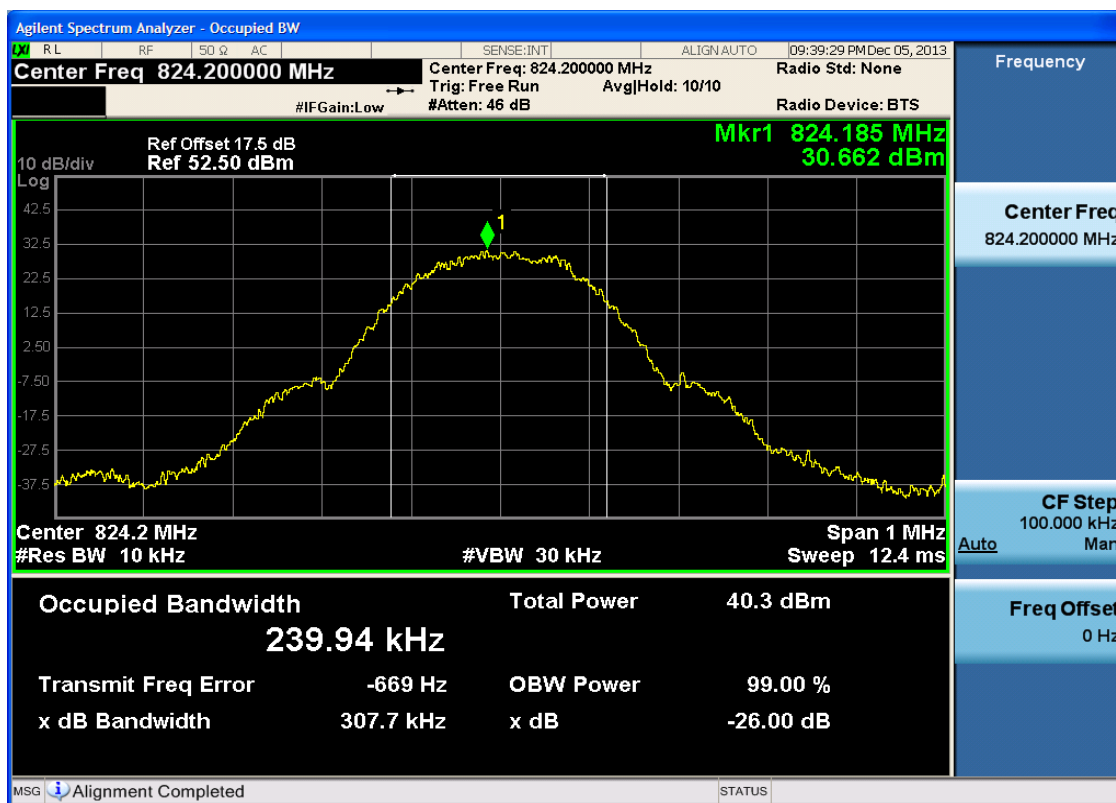
Part II - Test Plots

4.1 For GSM

4.1.1 Test Band = GSM850

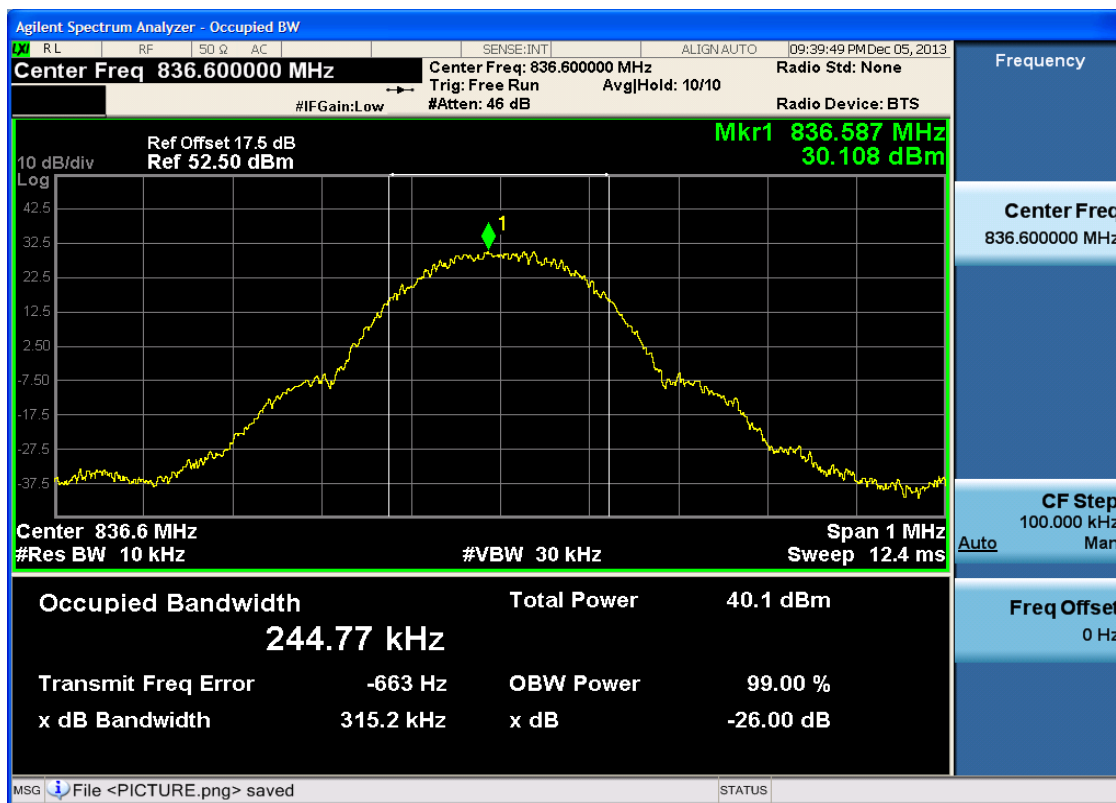
4.1.1.1 Test Mode = GSM/TM1

4.1.1.1.1 Test Channel = LCH

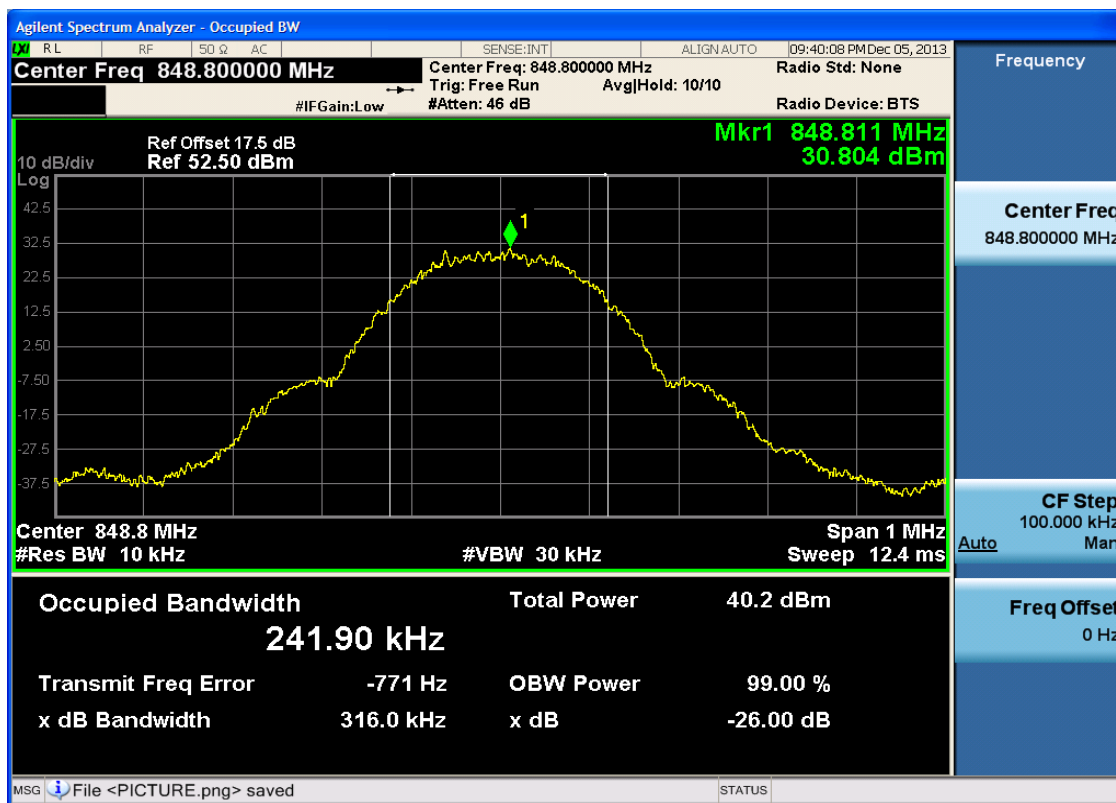




4.1.1.1.2 Test Channel = MCH



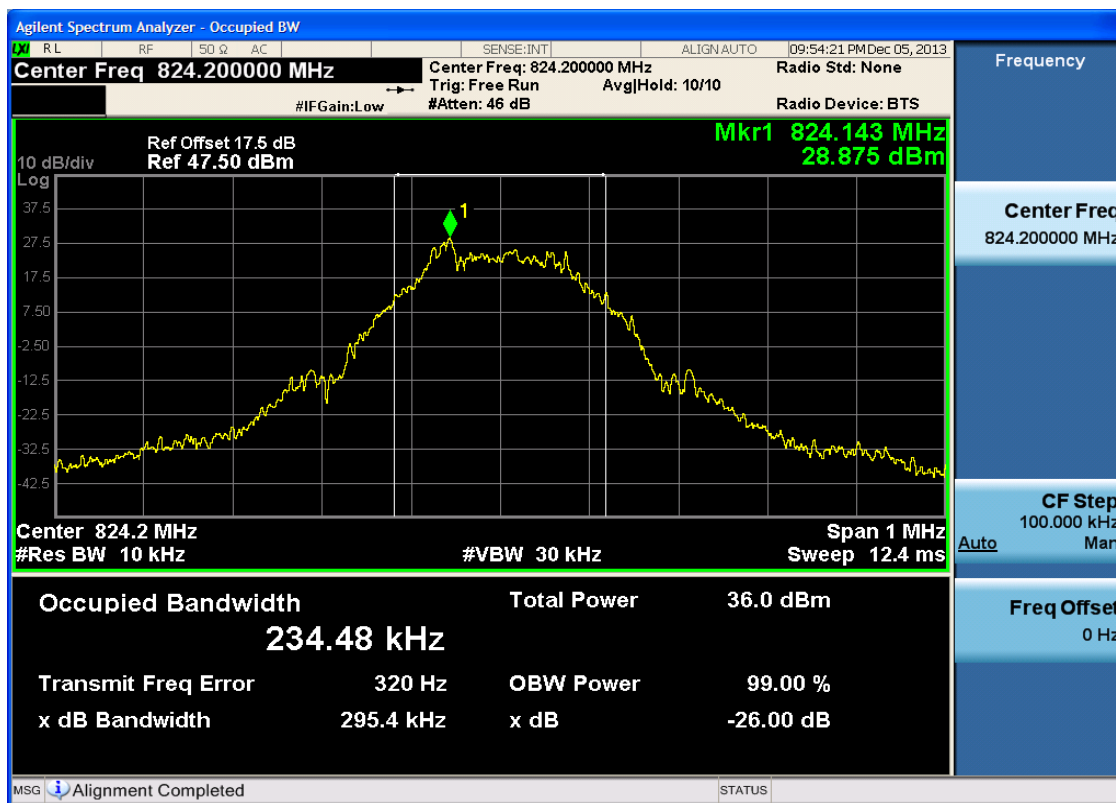
4.1.1.1.3 Test Channel = HCH





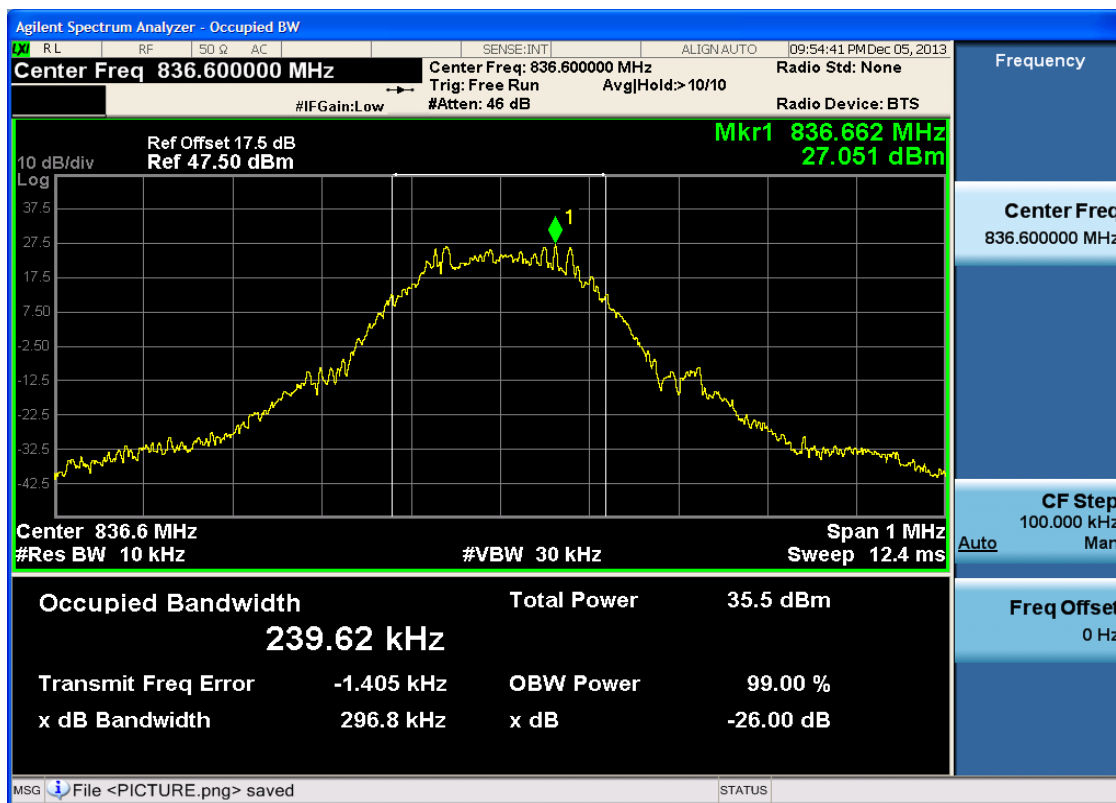
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH

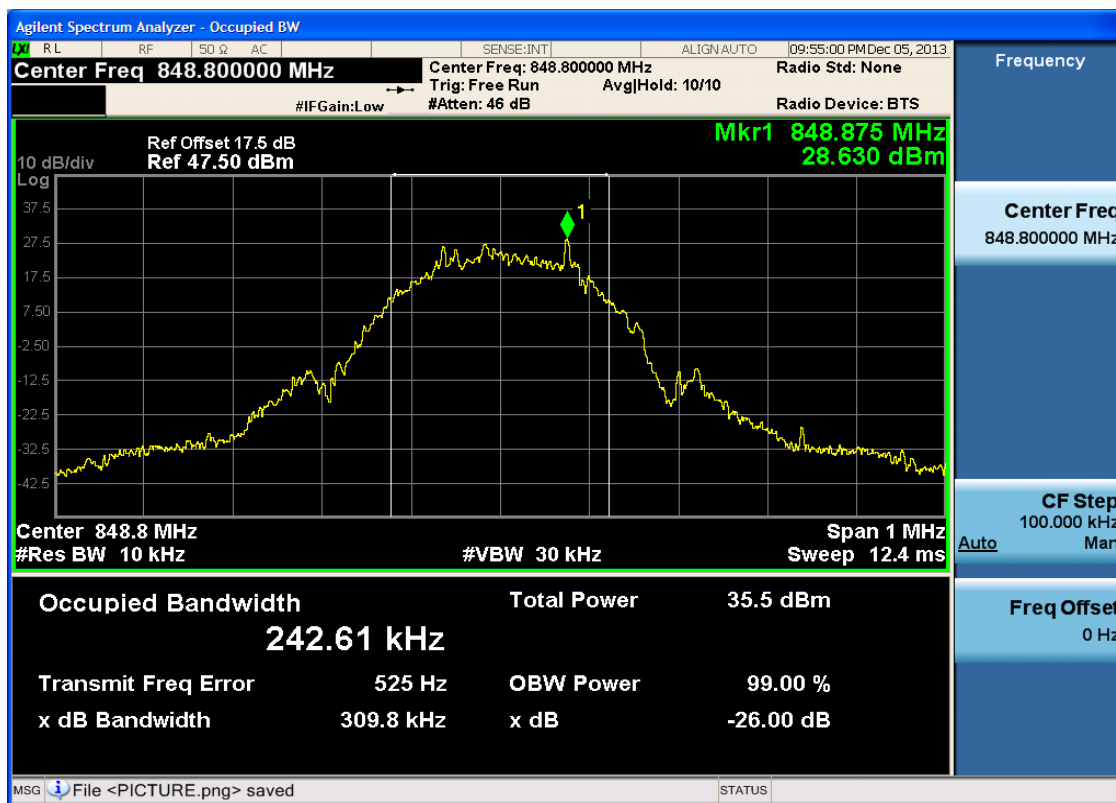




4.1.1.2.2 Test Channel = MCH



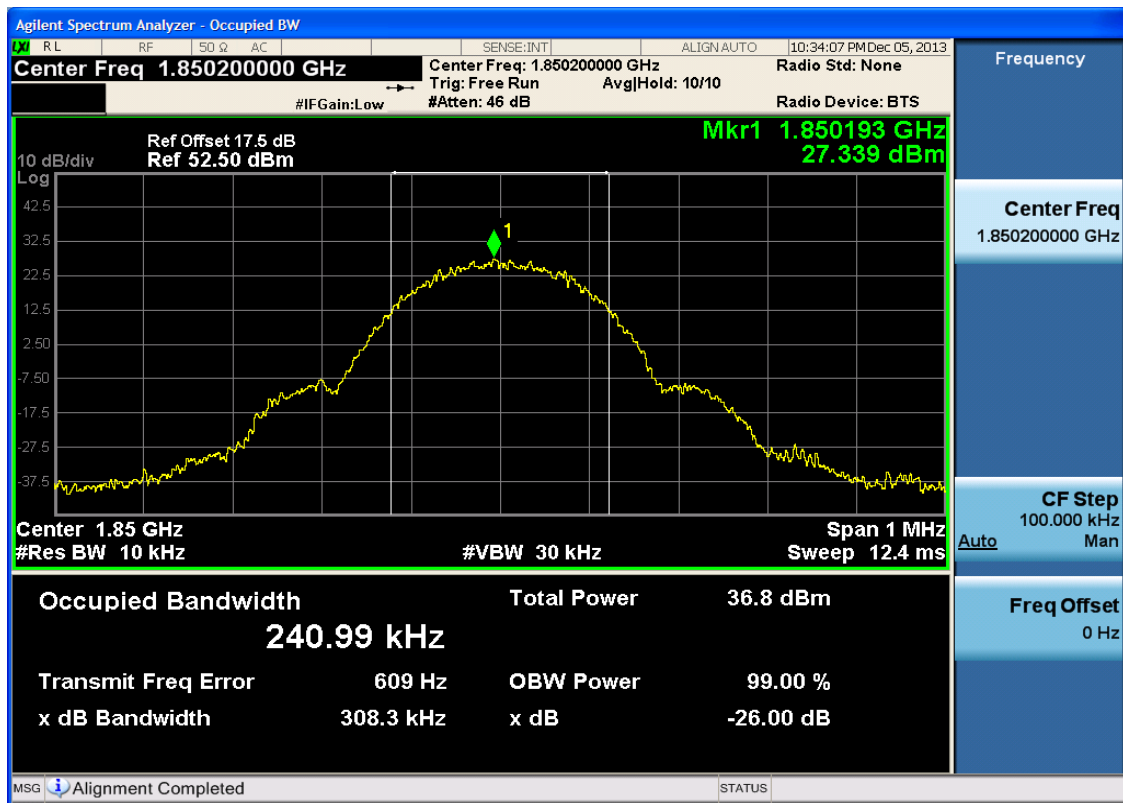
4.1.1.2.3 Test Channel = HCH



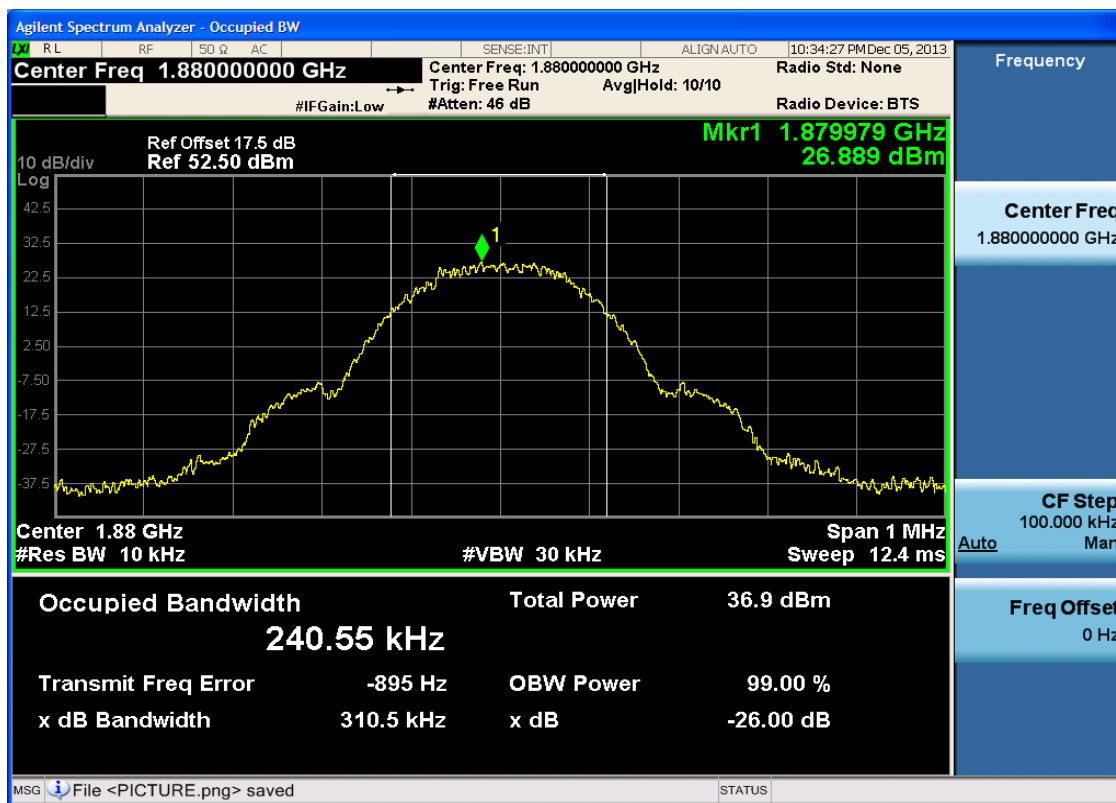
4.1.2 Test Band = GSM1900

4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH

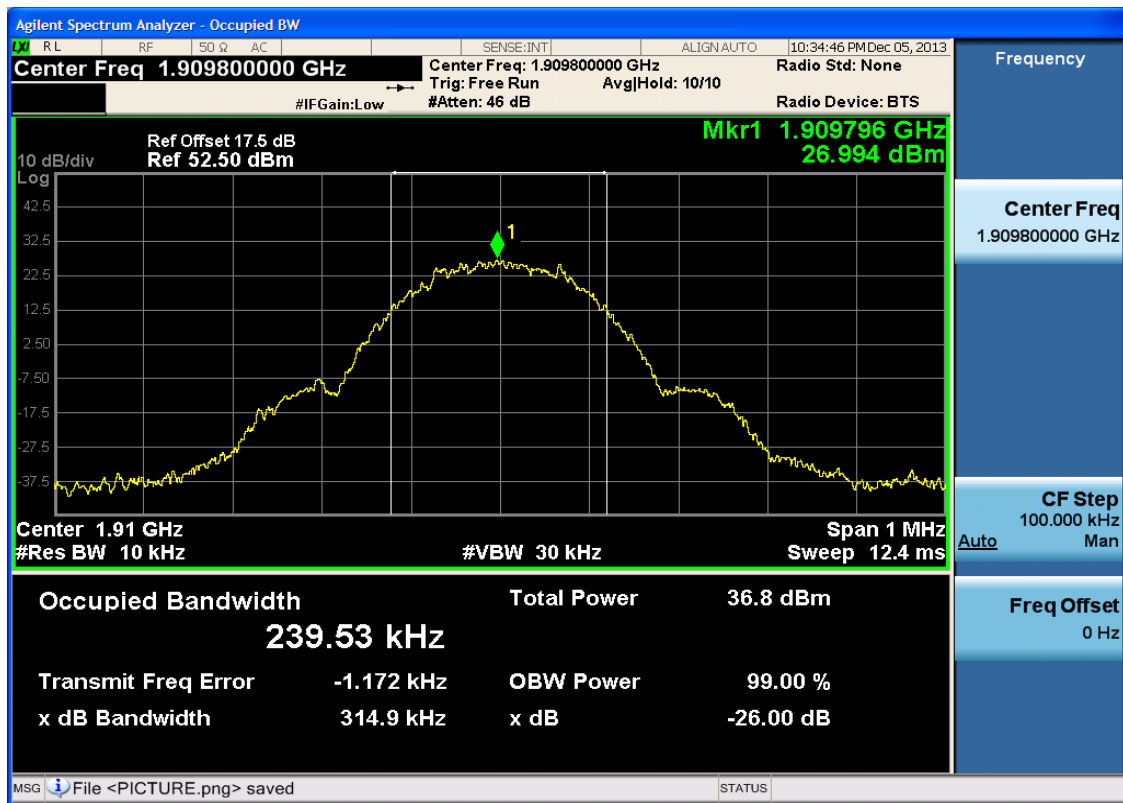


4.1.2.1.2 Test Channel = MCH





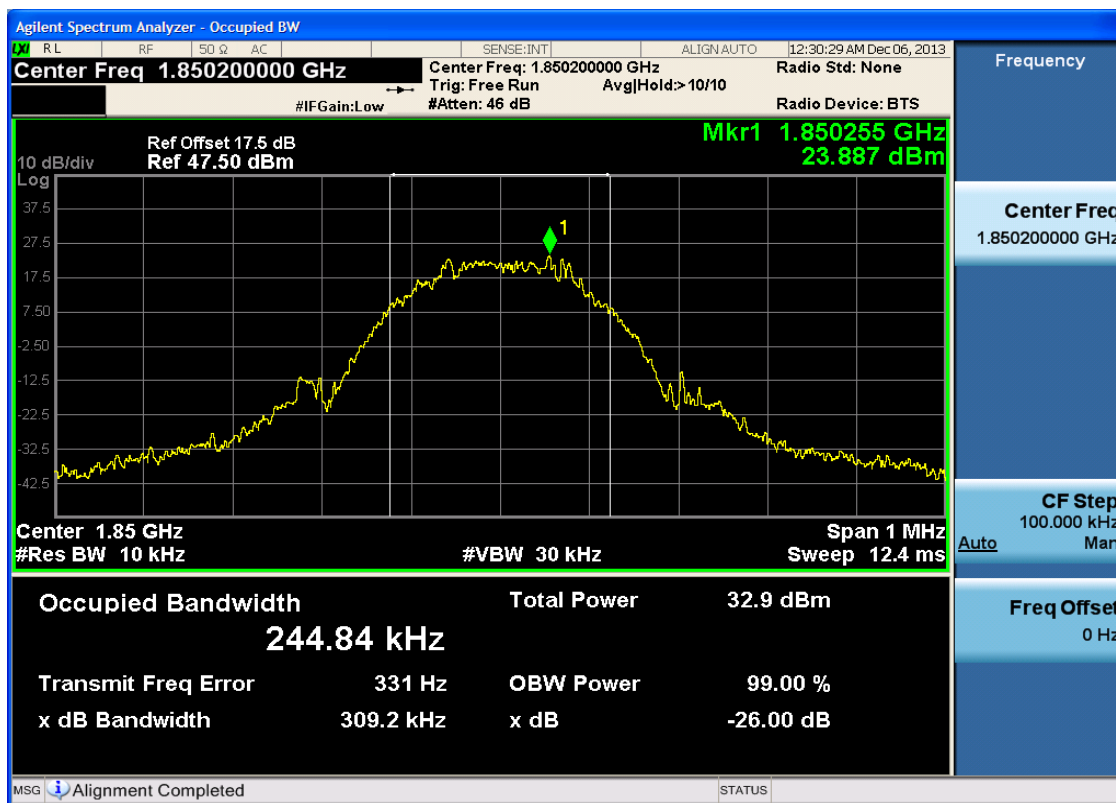
4.1.2.1.3 Test Channel = HCH





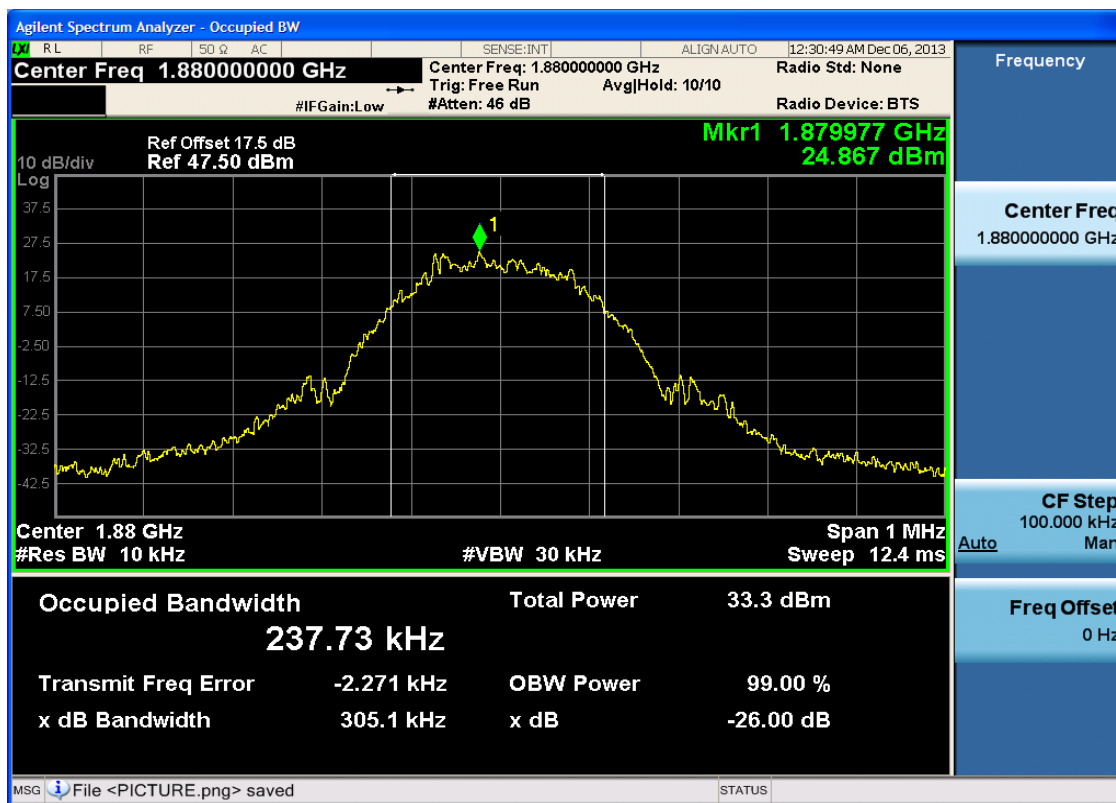
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



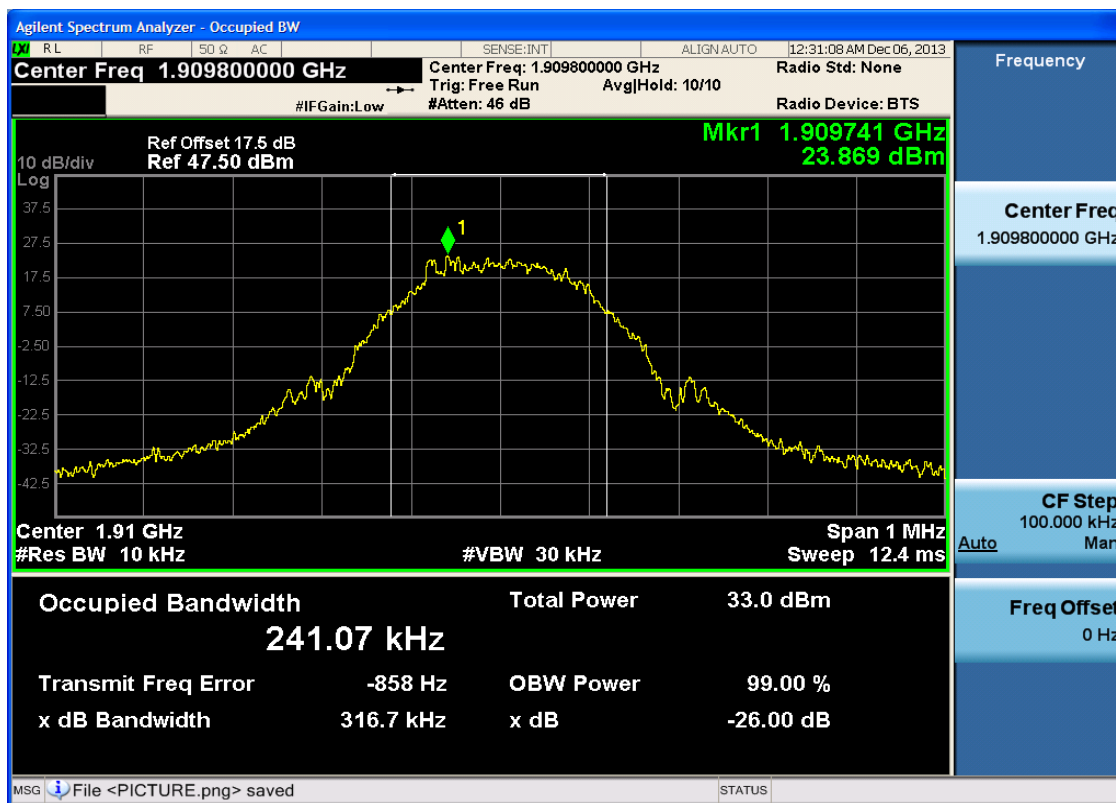


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH

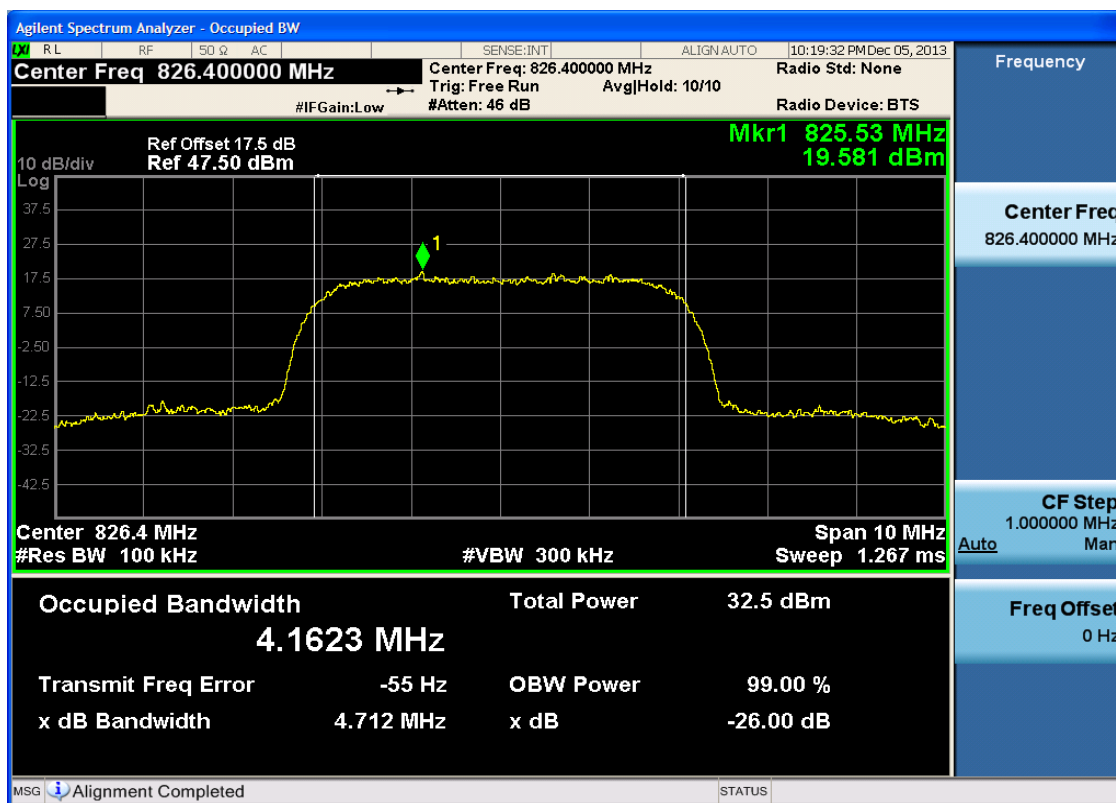


4.2 For UMTS

4.2.1 Test Band = WCDMA850

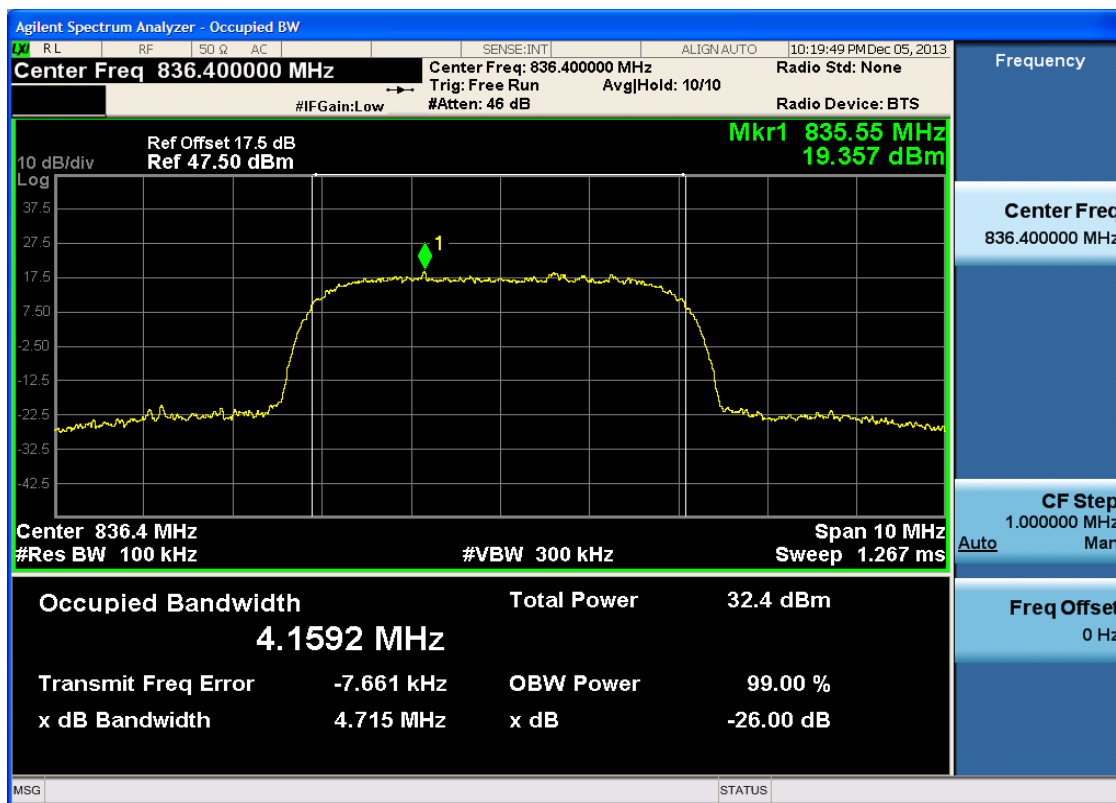
4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH

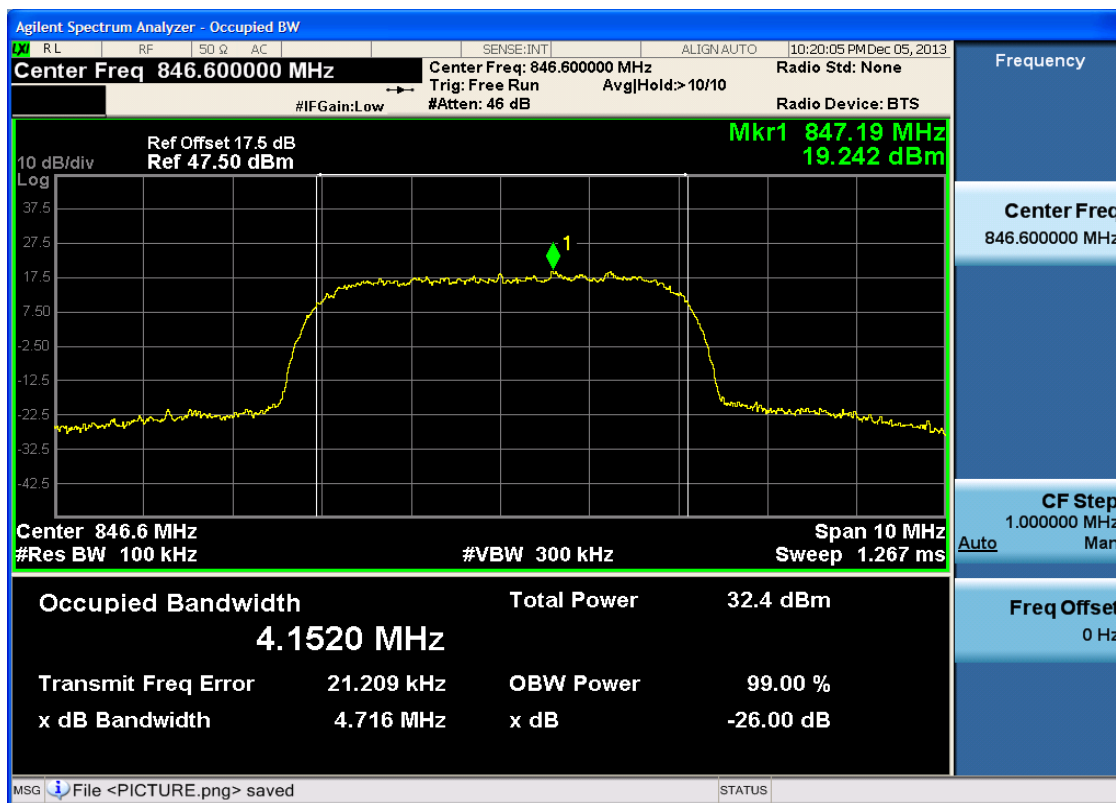




4.2.1.1.2 Test Channel = MCH



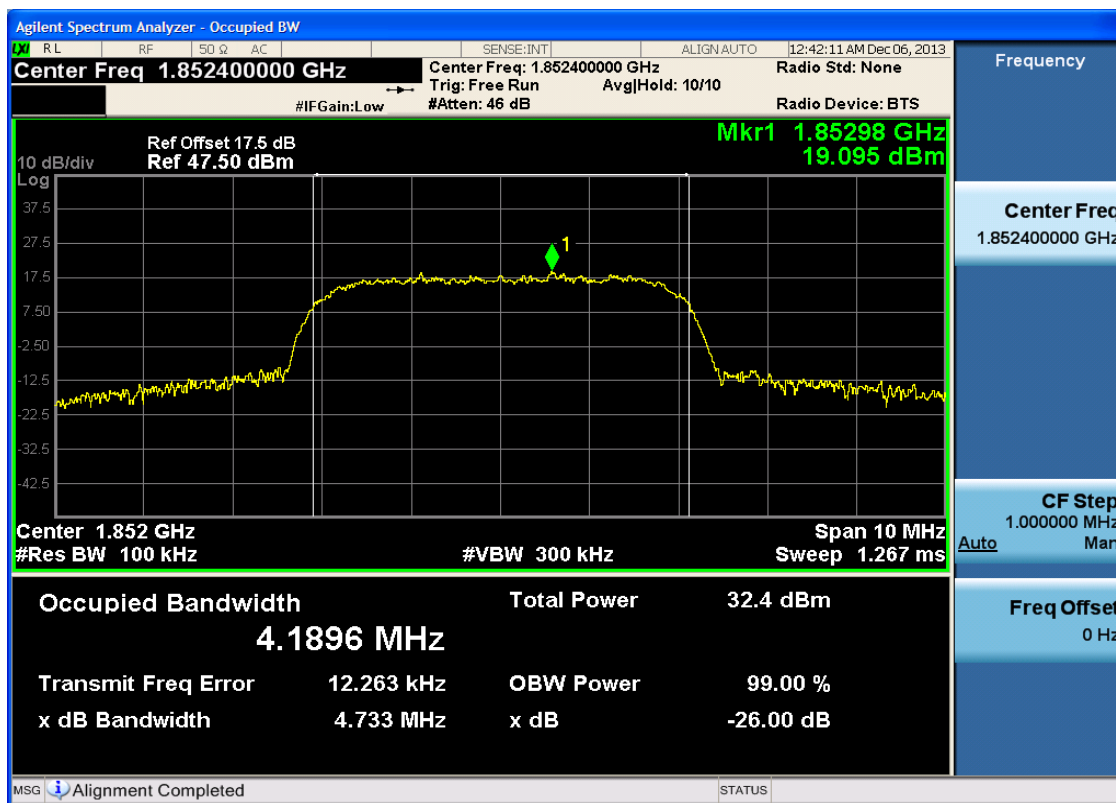
4.2.1.1.3 Test Channel = HCH



4.2.2 Test Band = WCDMA1900

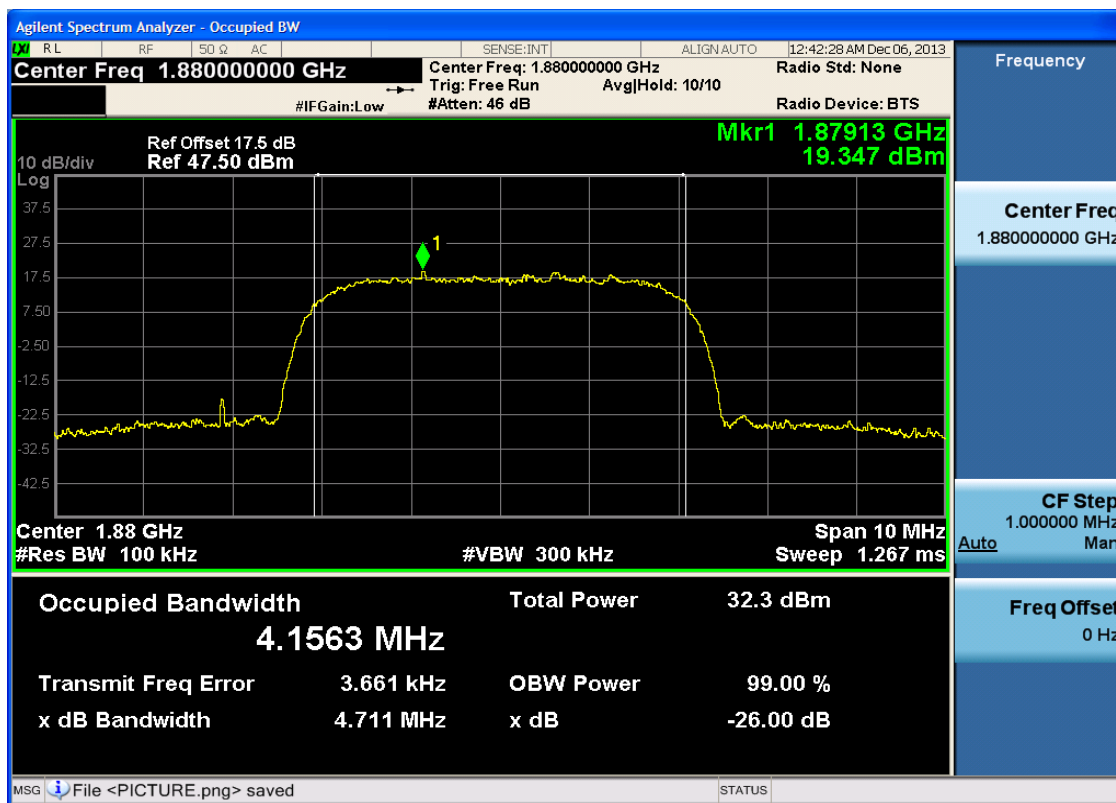
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH



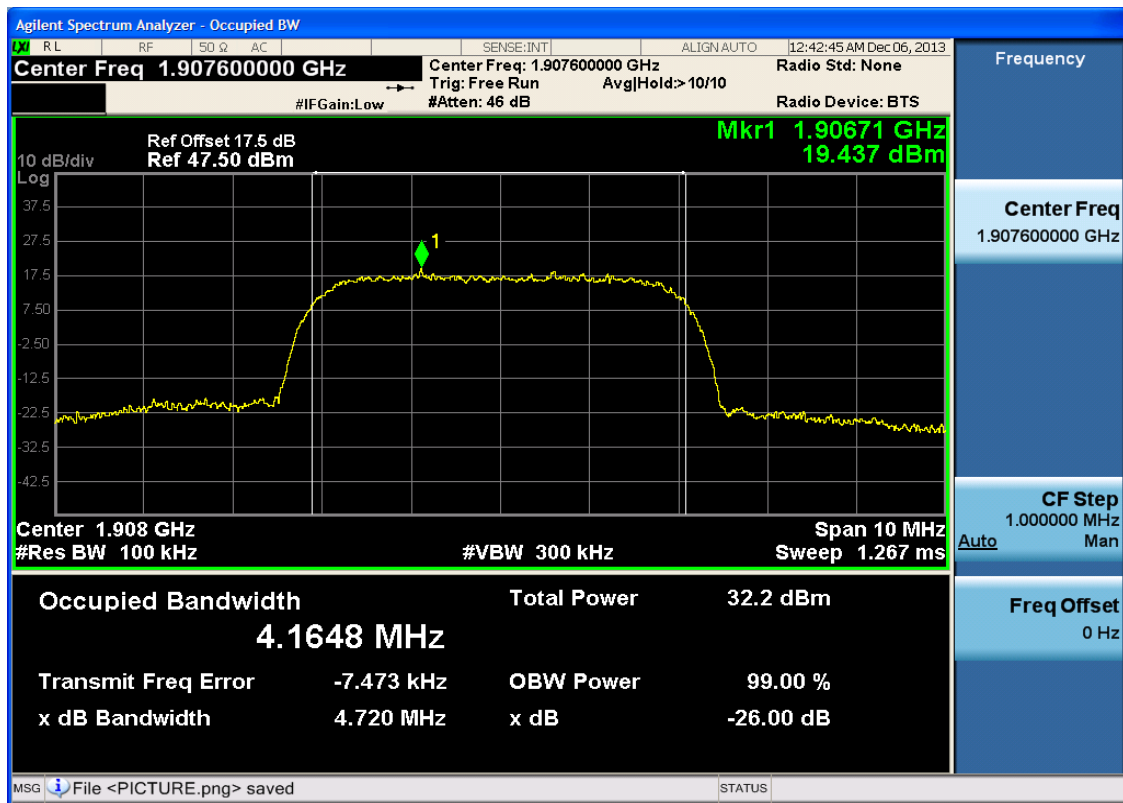


4.2.2.1.2 Test Channel = MCH





4.2.2.1.3 Test Channel = HCH



5Appendix_E: Band Edges Compliance

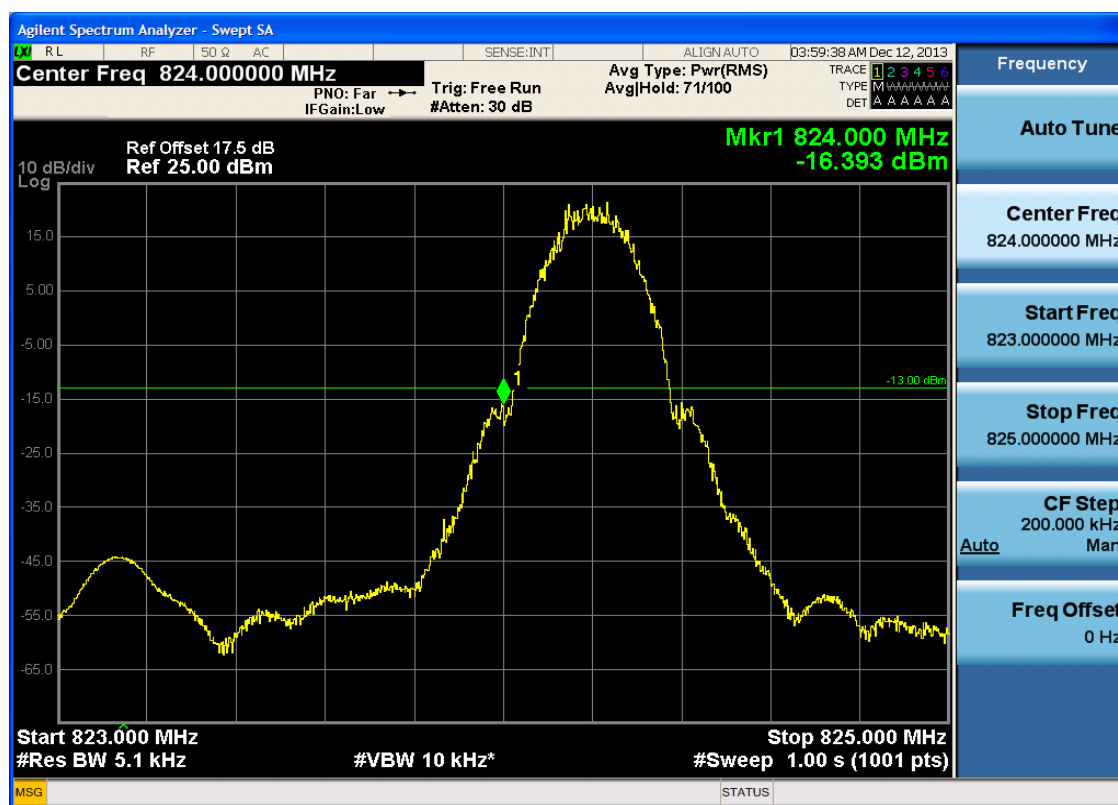
Part I - Test Plots

5.1 For GSM

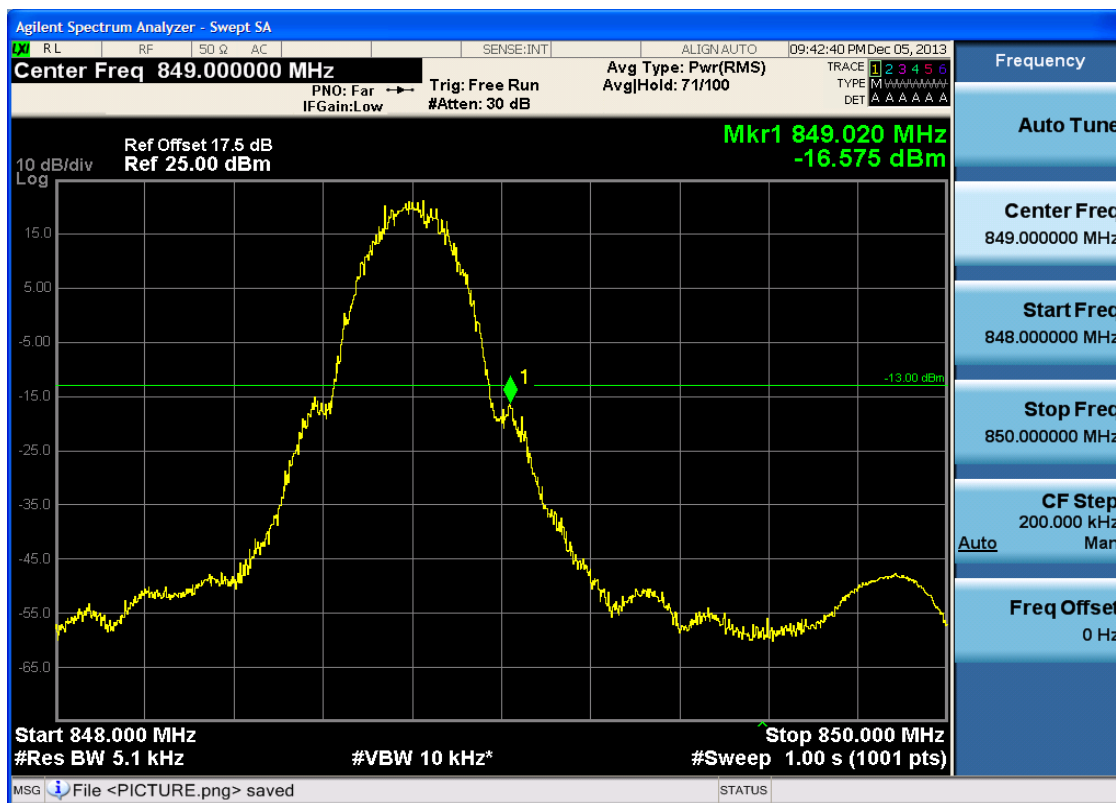
5.1.1 Test Band = GSM850

5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH

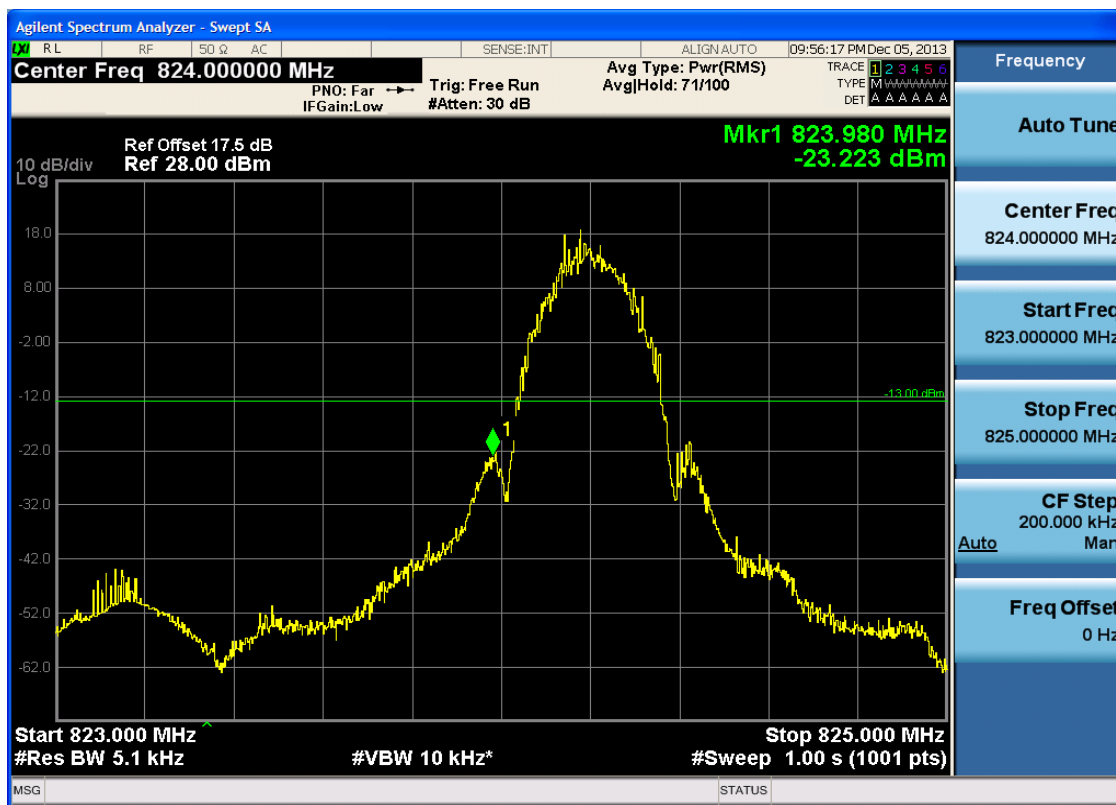


5.1.1.1.2 Test Channel = HCH

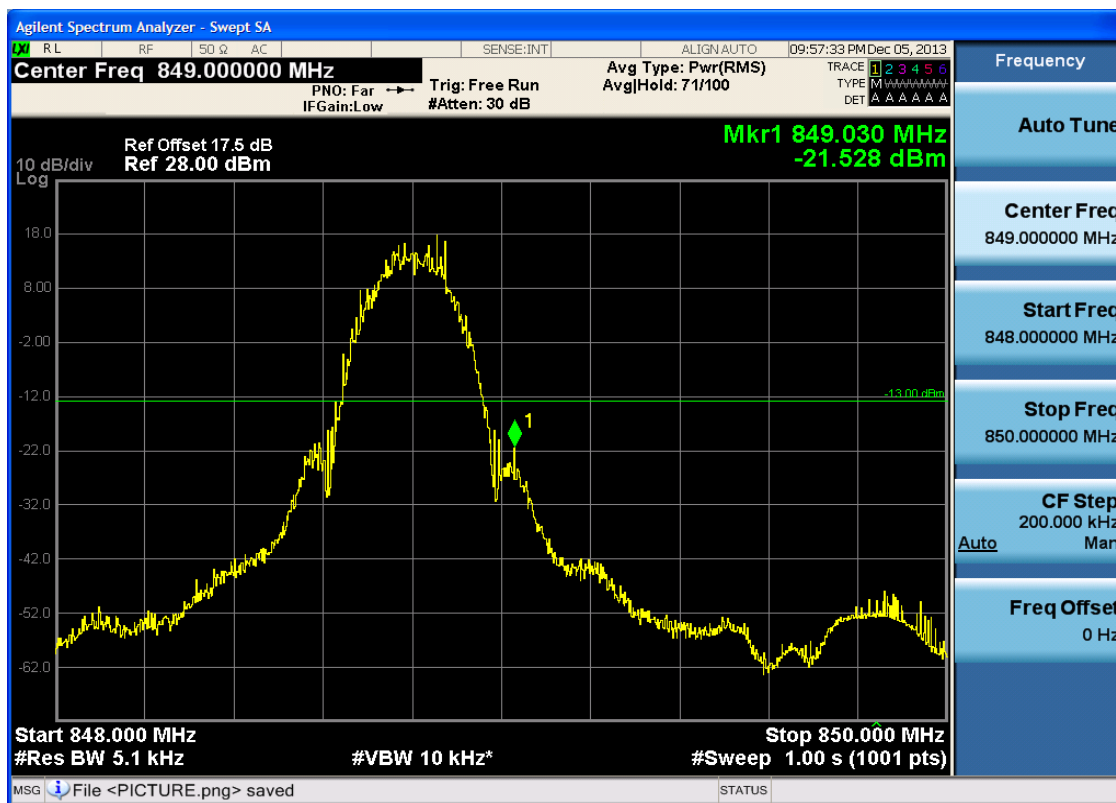


5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH



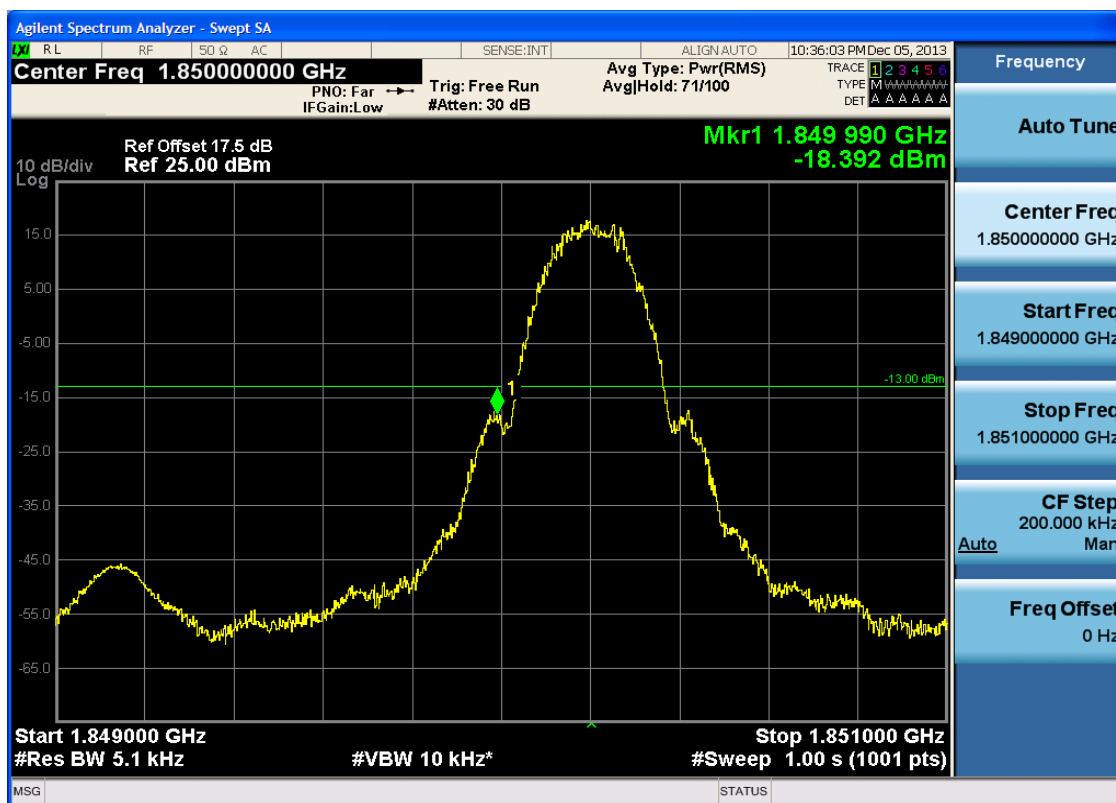
5.1.1.2.2 Test Channel = HCH



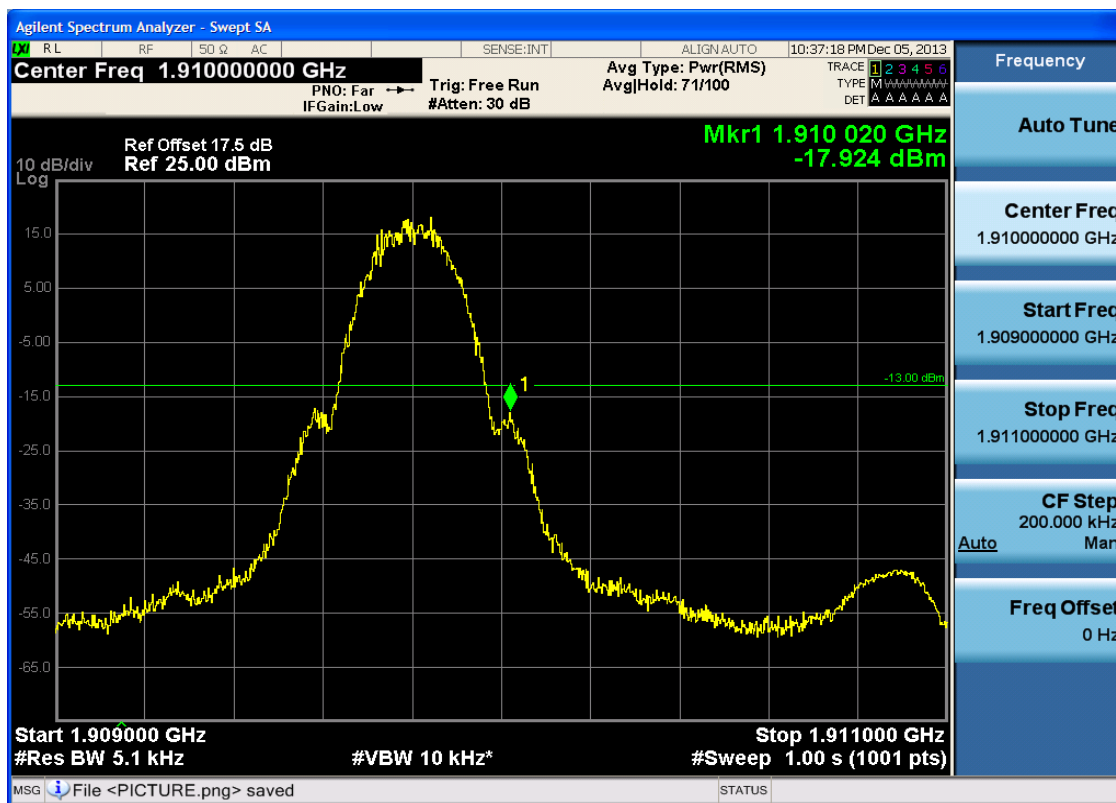
5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH

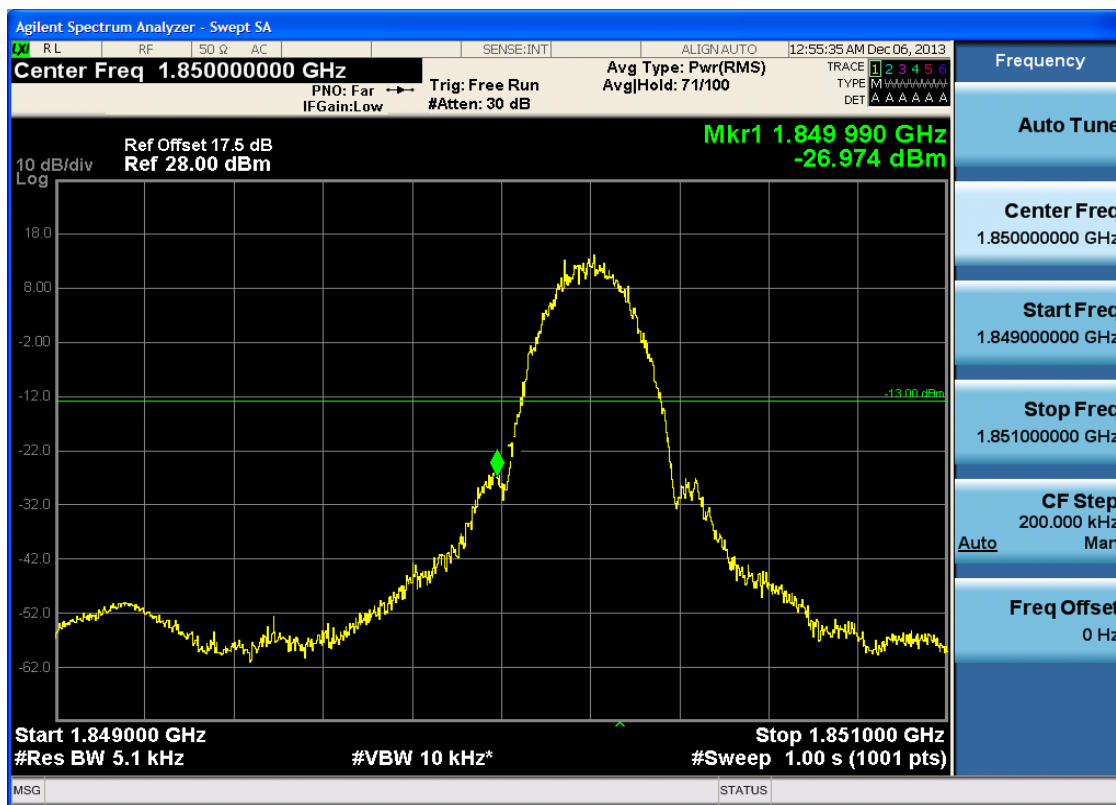


5.1.2.1.2 Test Channel = HCH

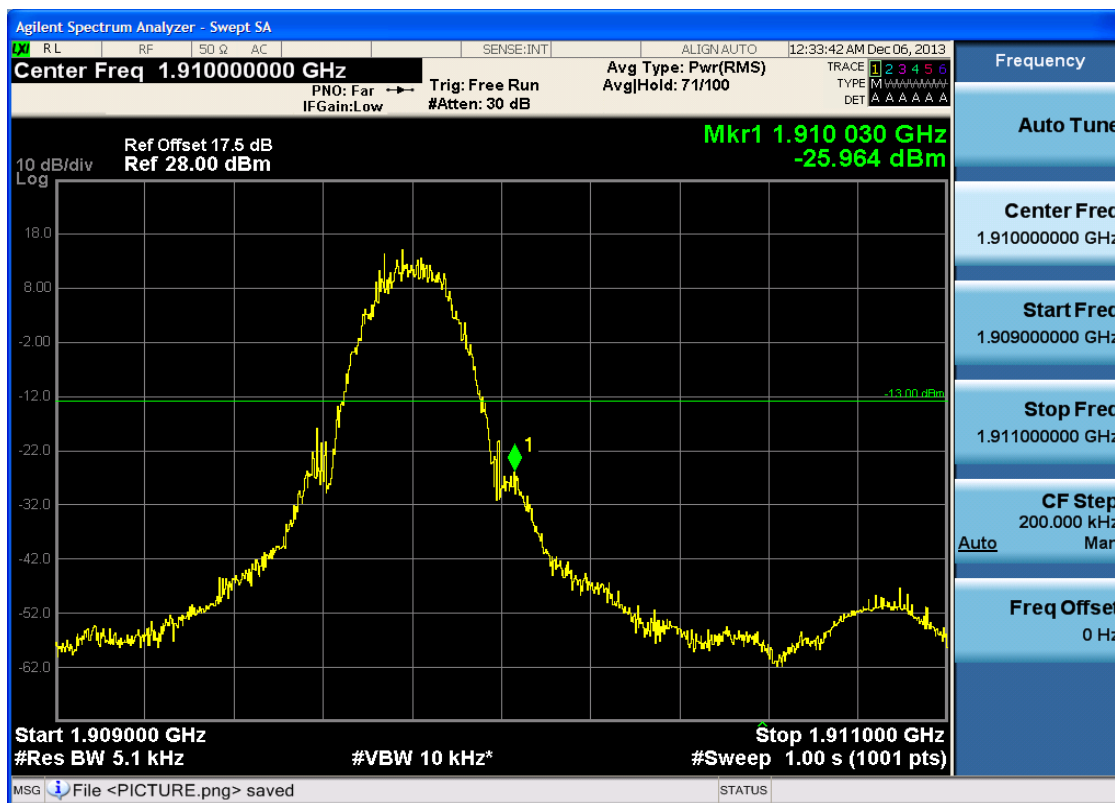


5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH



5.2 For UMTS

5.2.1 Test Band = WCDMA850

5.2.1.1 Test Mode = UMTS/TM1

5.2.1.1.1 Test Channel = LCH



5.2.1.1.2 Test Channel = HCH

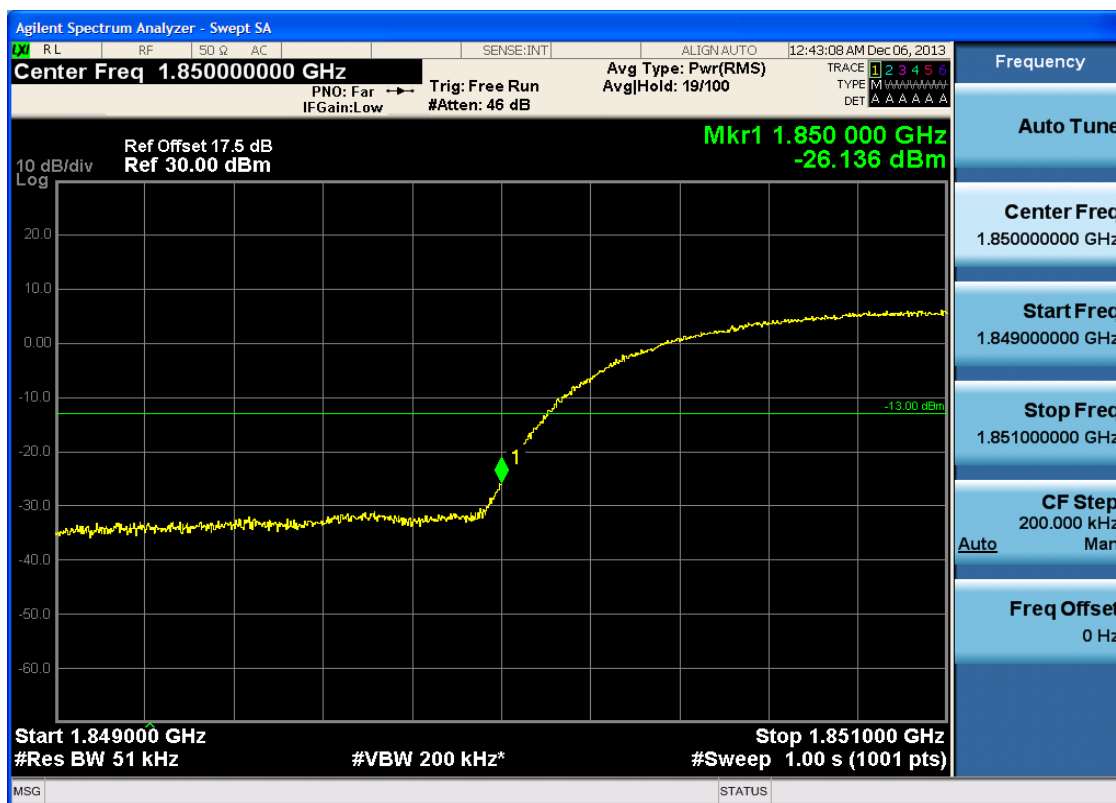




5.2.2 Test Band = WCDMA1900

5.2.2.1 Test Mode = UMTS/TM1

5.2.2.1.1 Test Channel = LCH



5.2.2.1.2 Test Channel = HCH



6Appendix_F: 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.

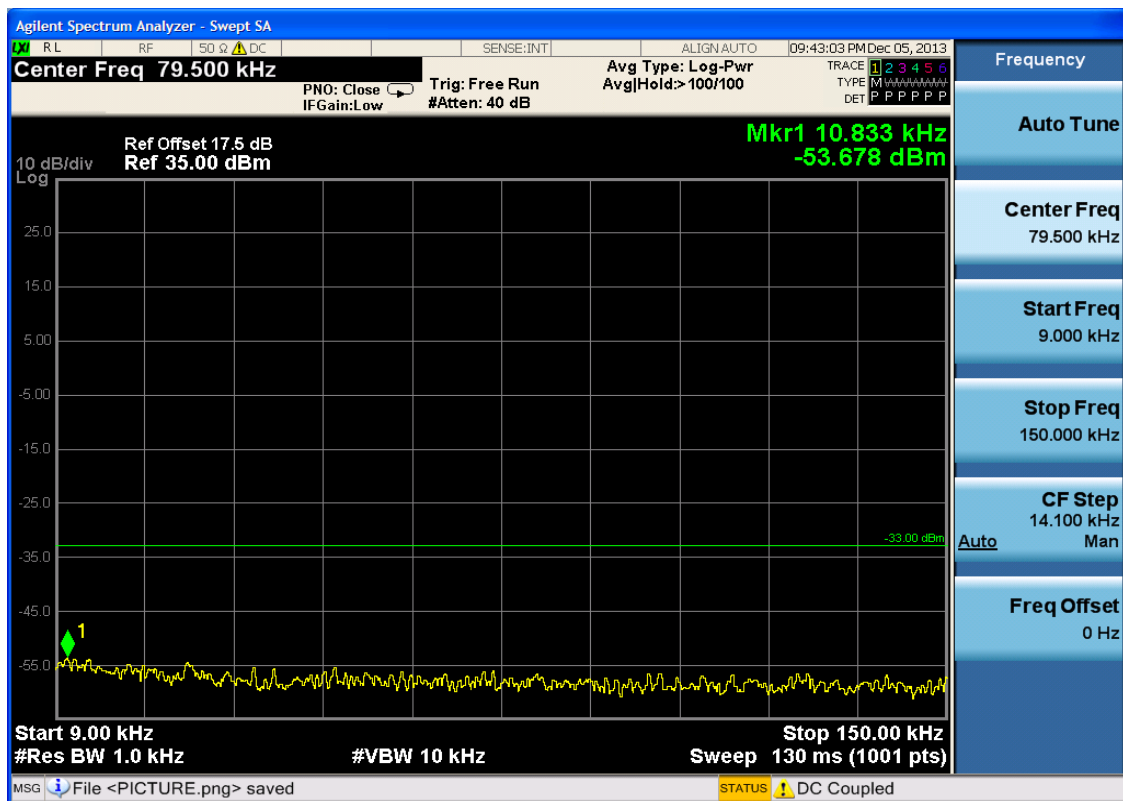
Part I - Test Plots

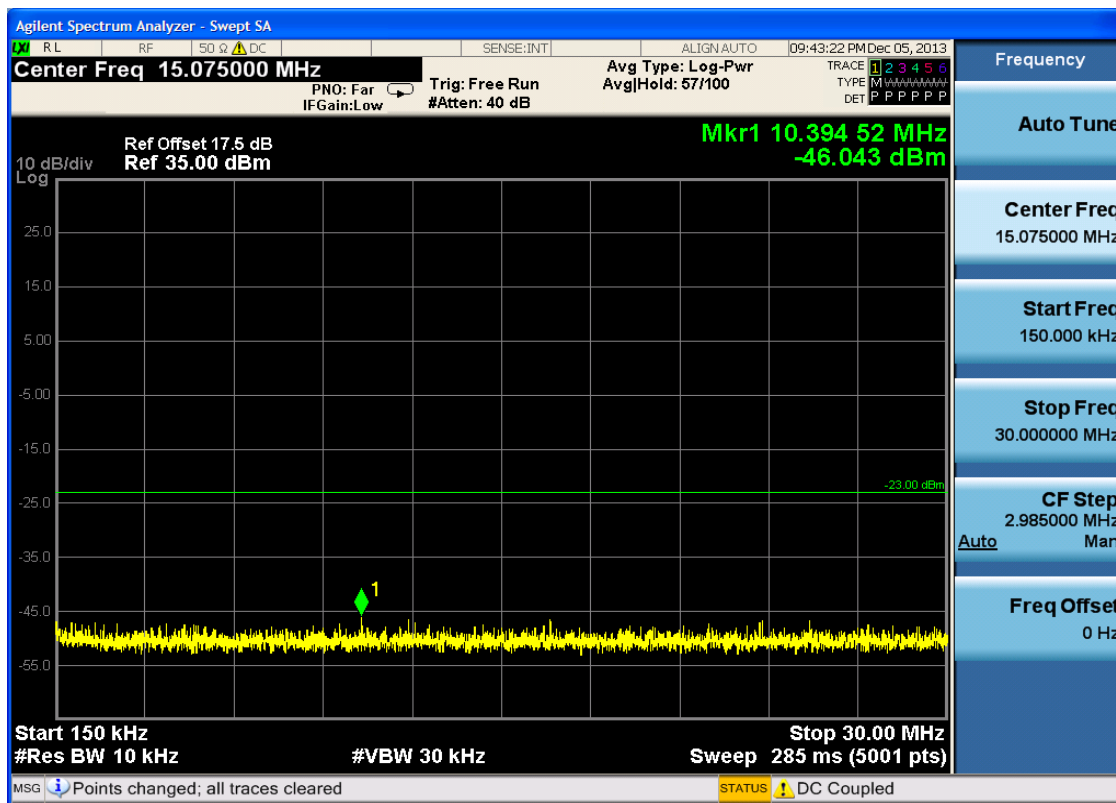
6.1 For GSM

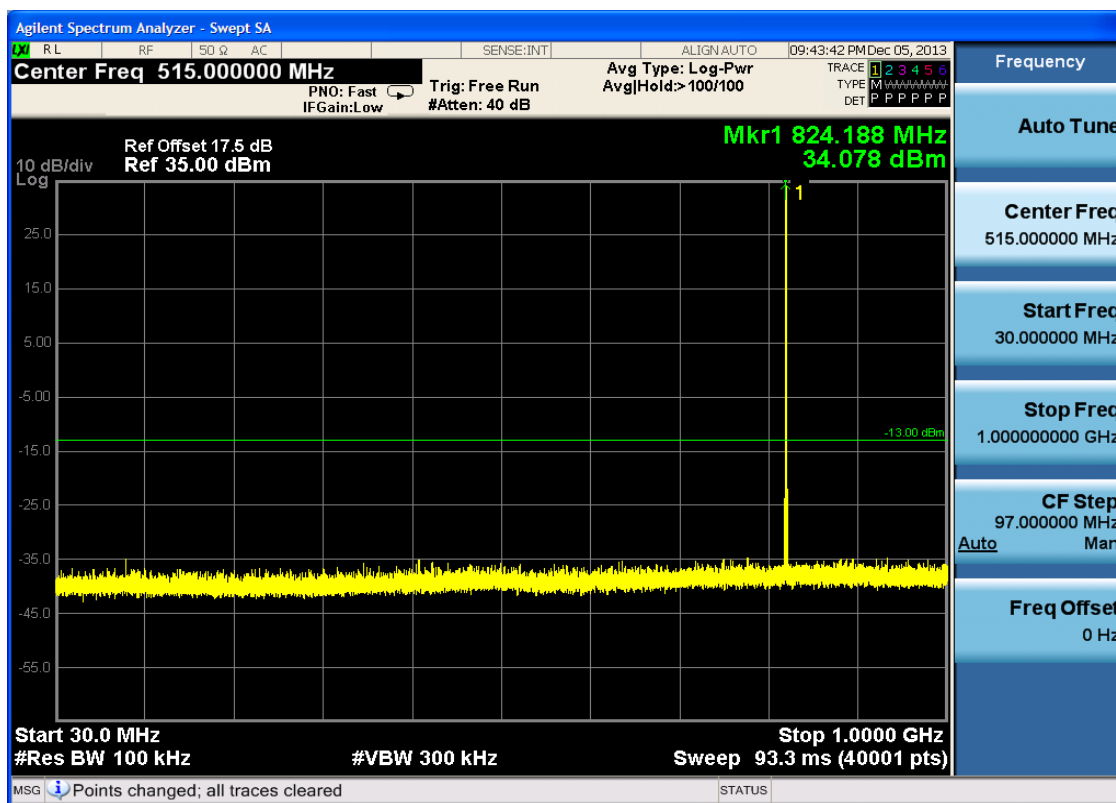
6.1.1 Test Band = GSM850

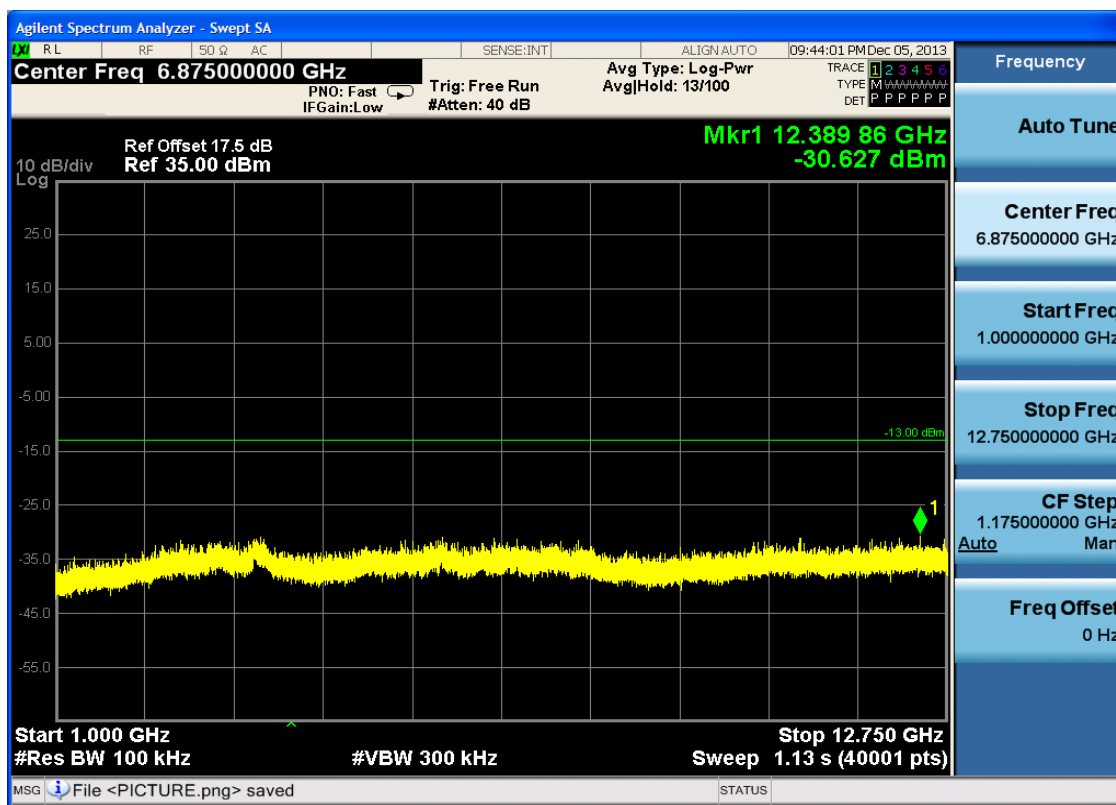
6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH



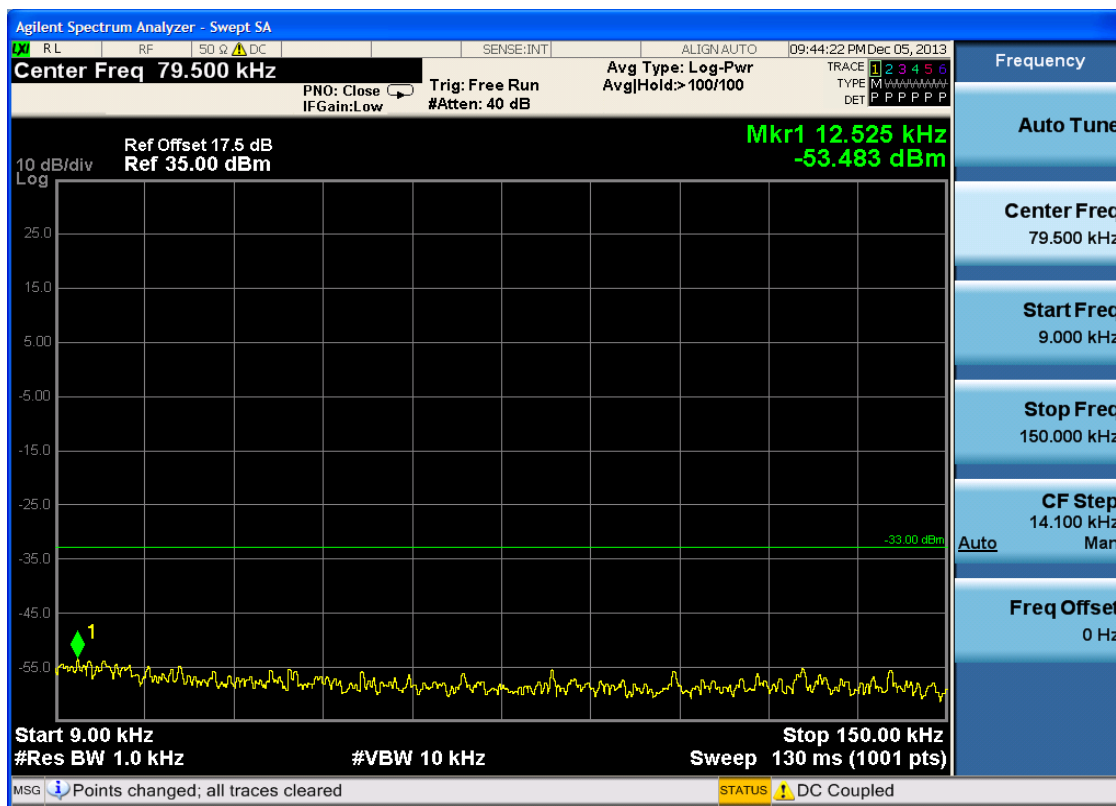


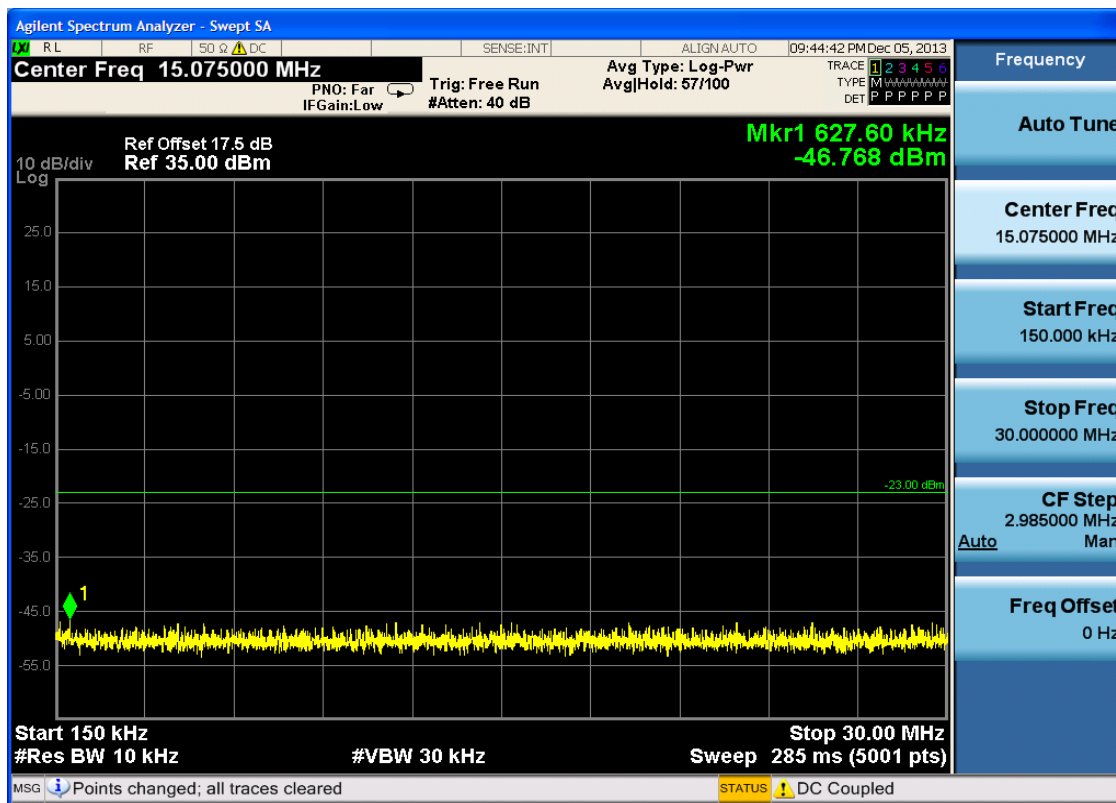


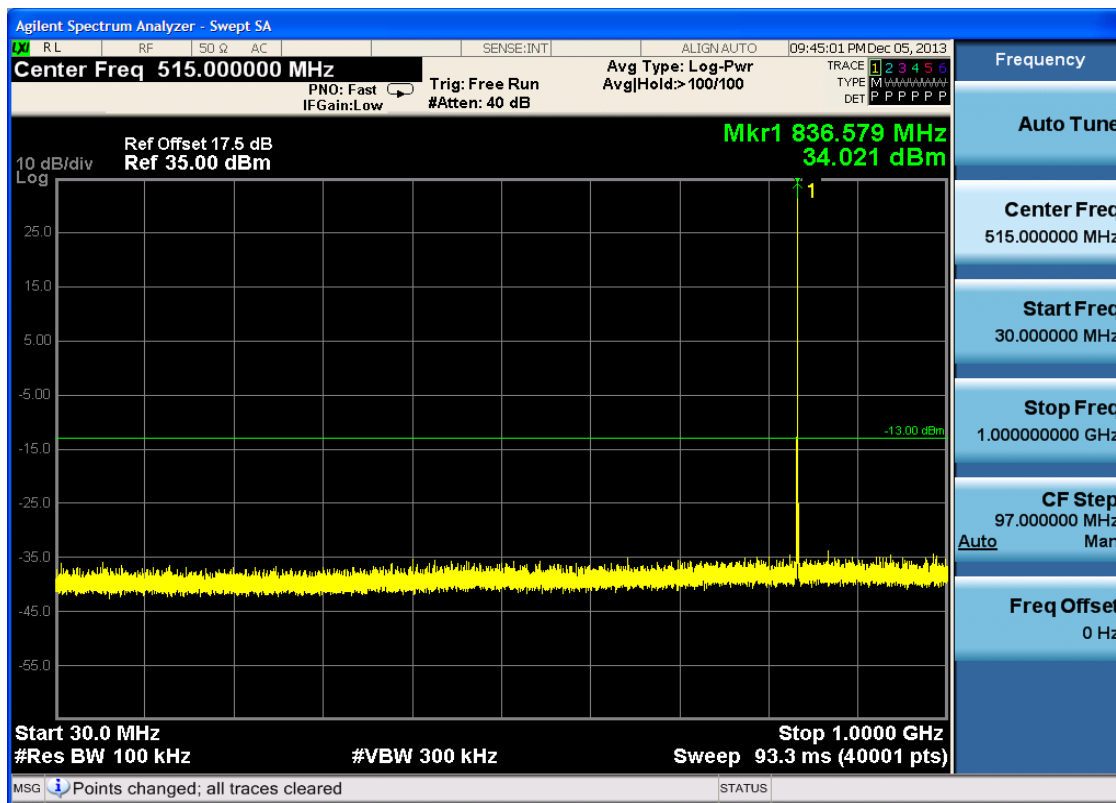


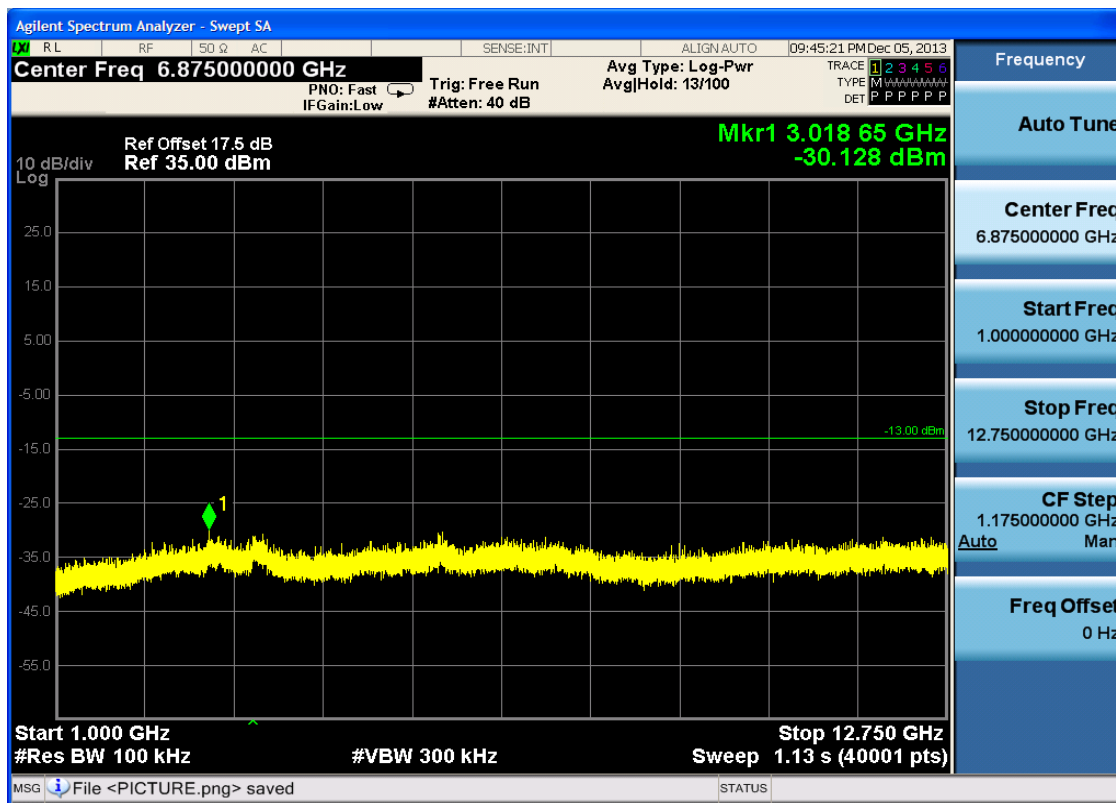


6.1.1.1.2 Test Channel = MCH



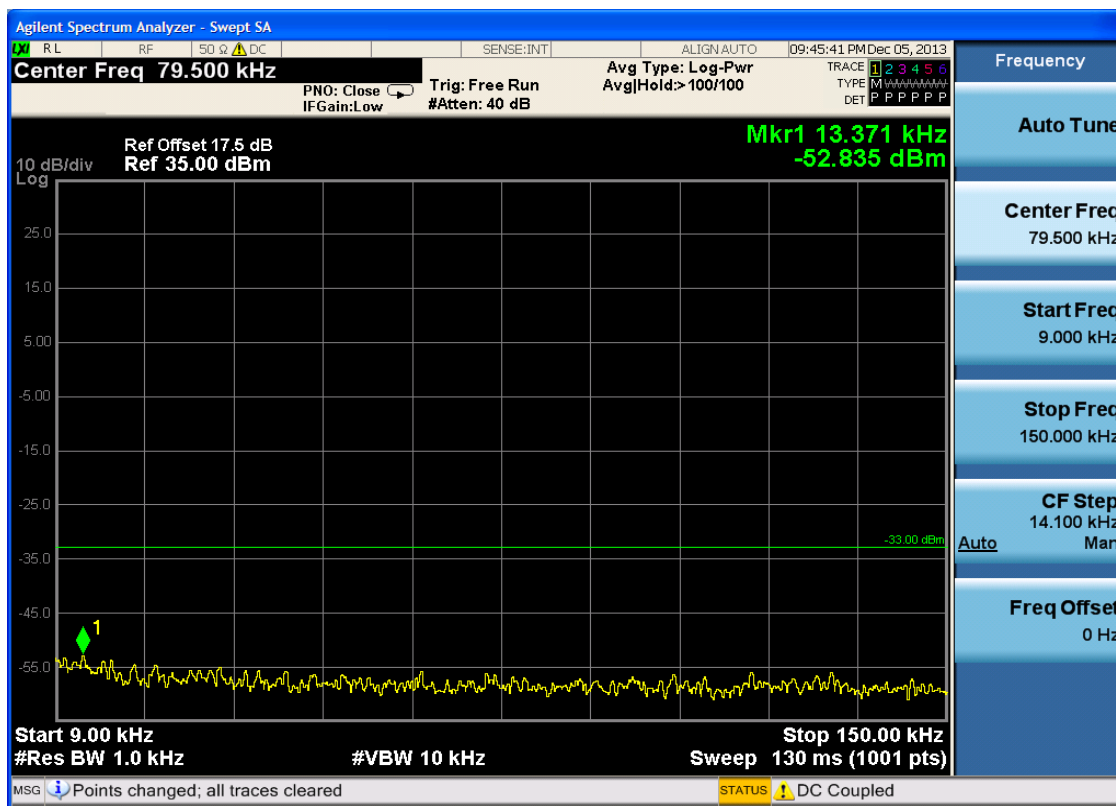


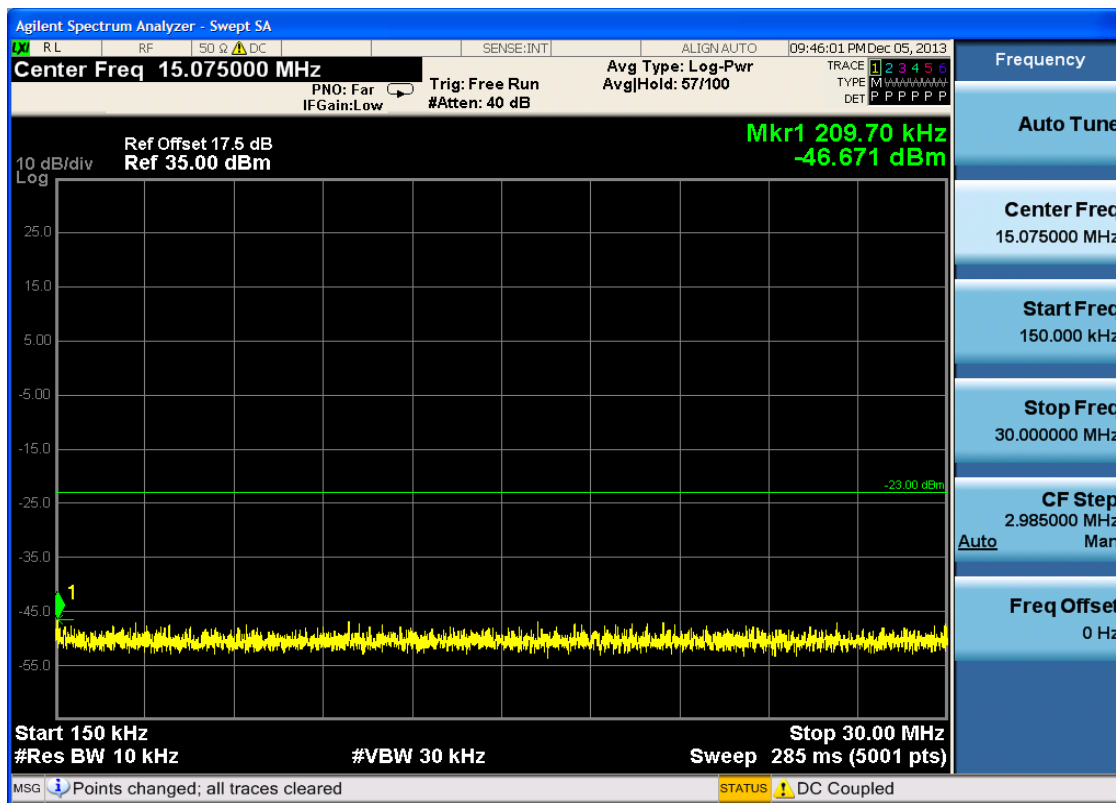


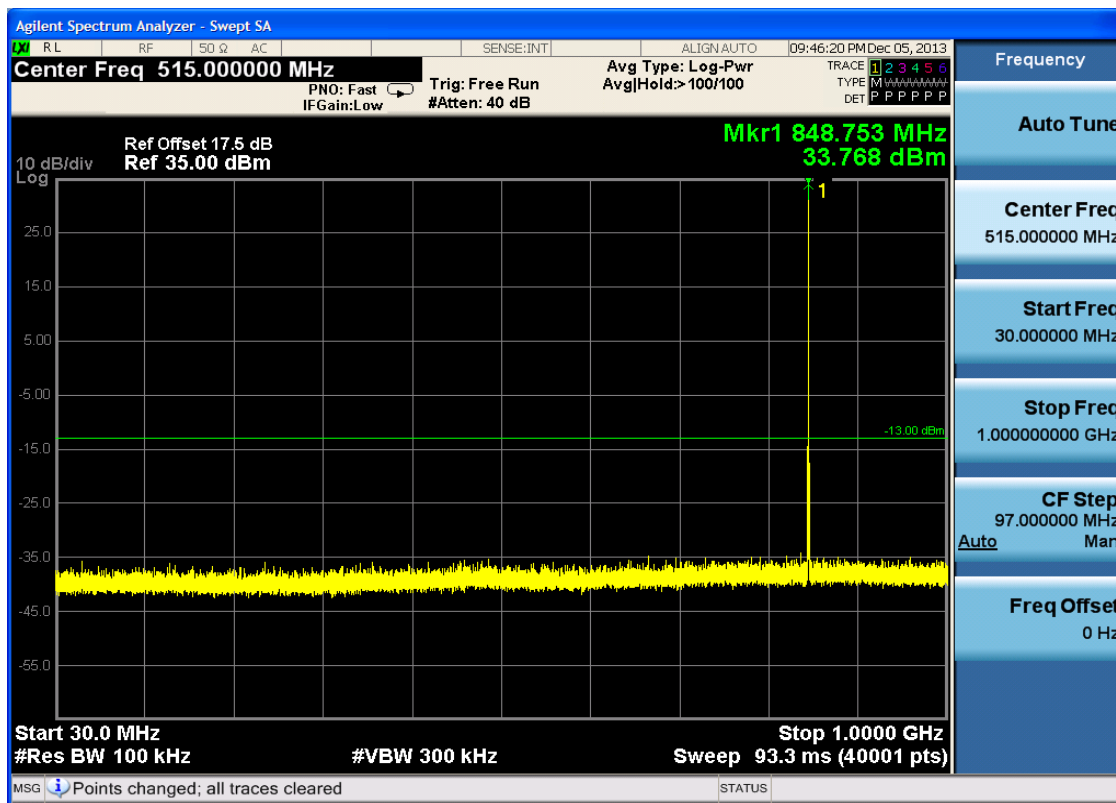


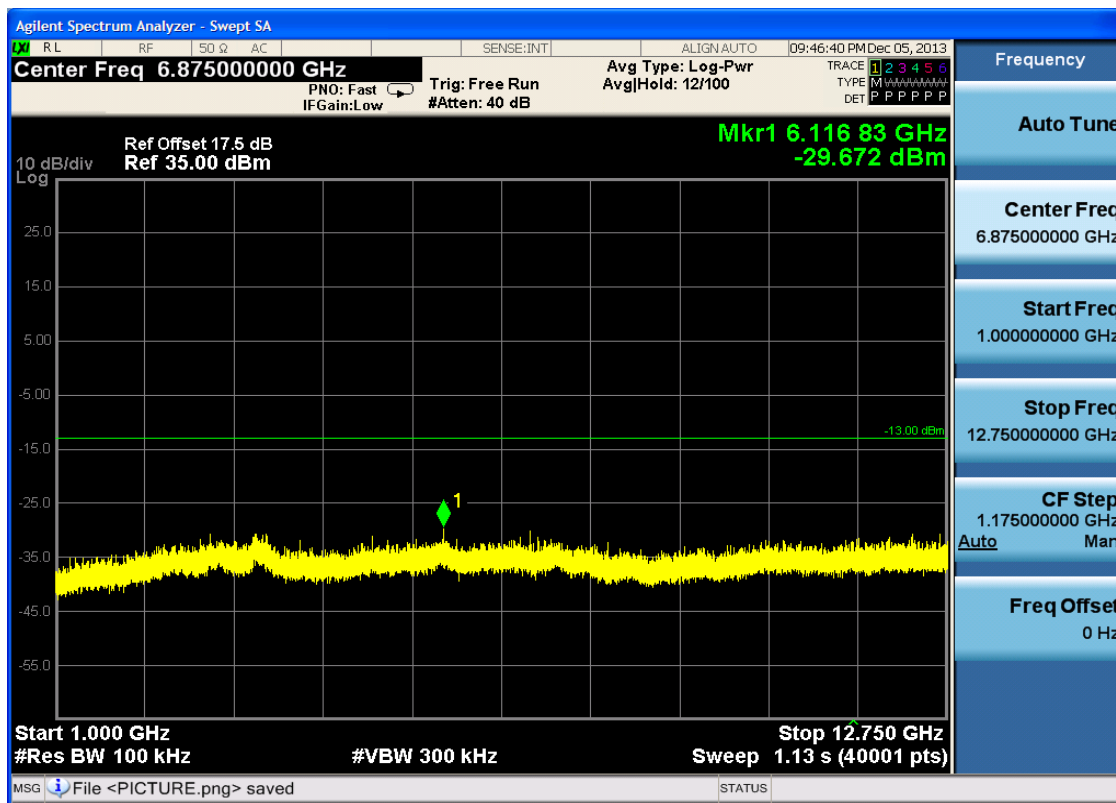


6.1.1.1.3 Test Channel = HCH



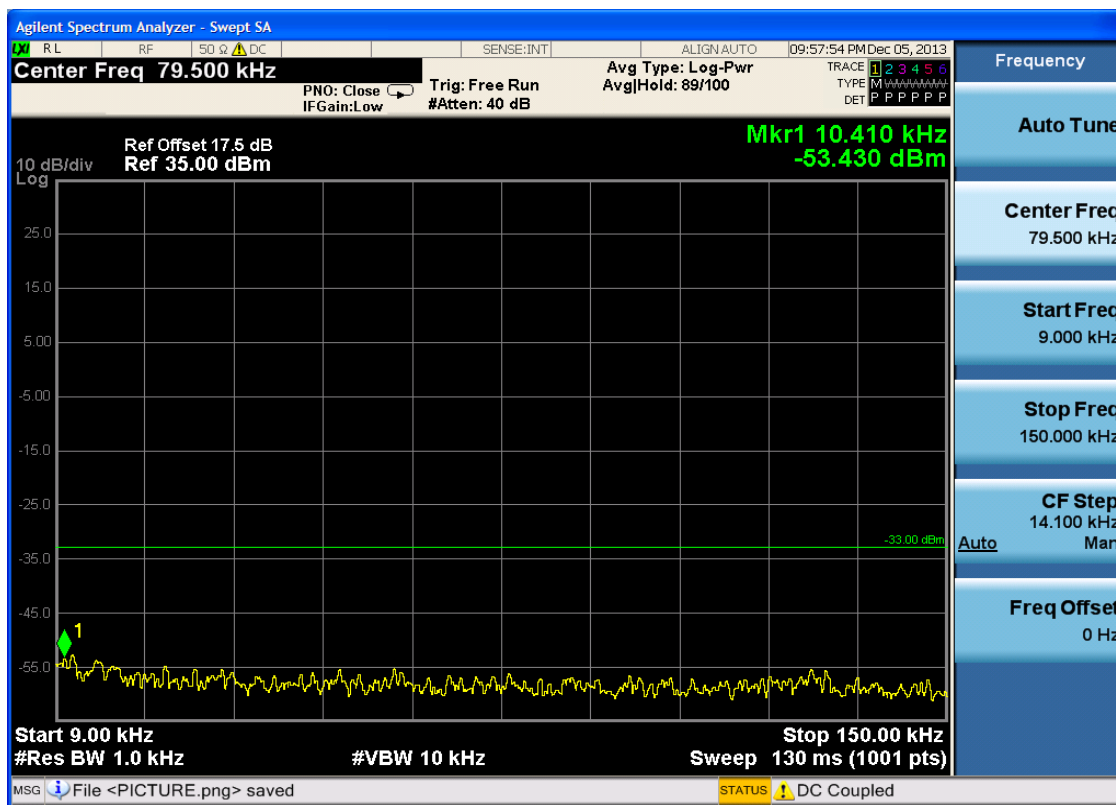


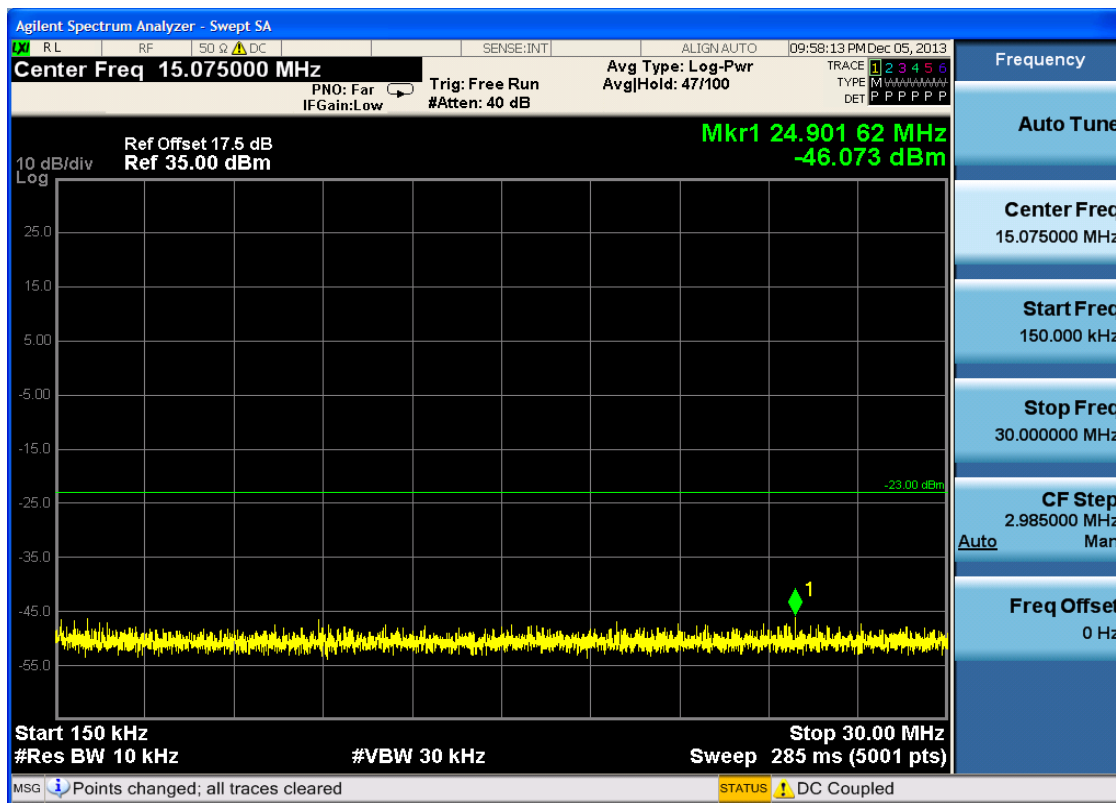


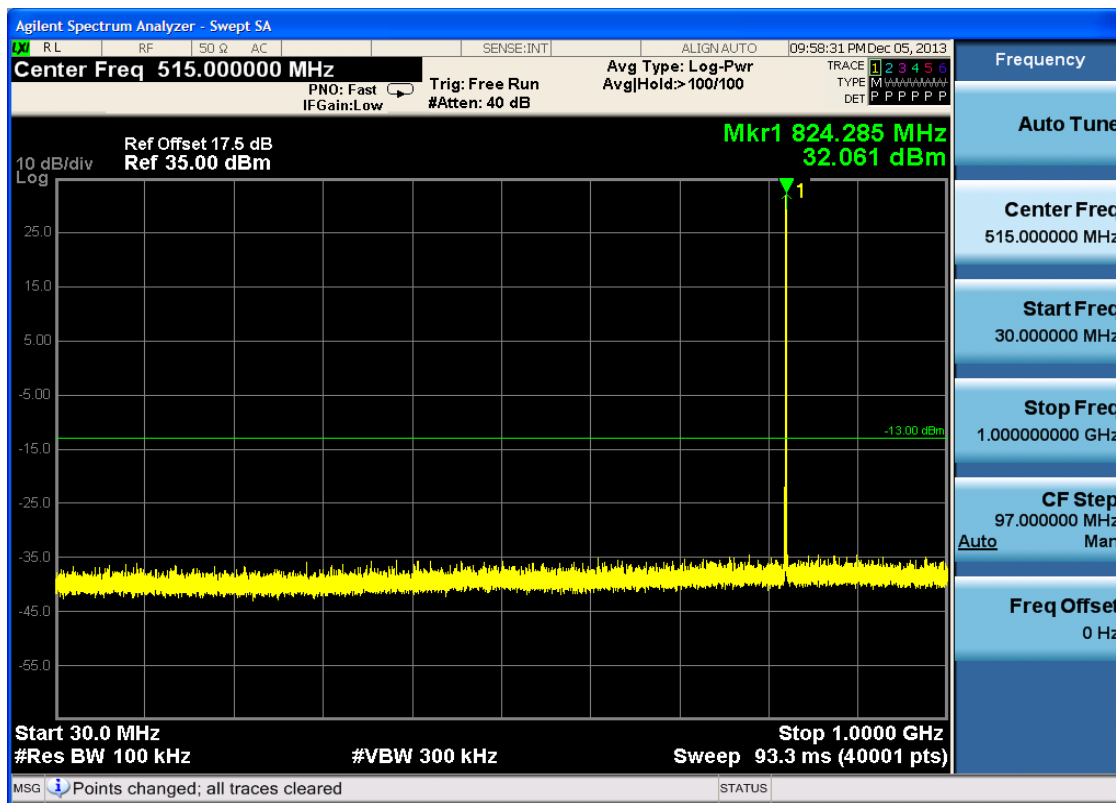


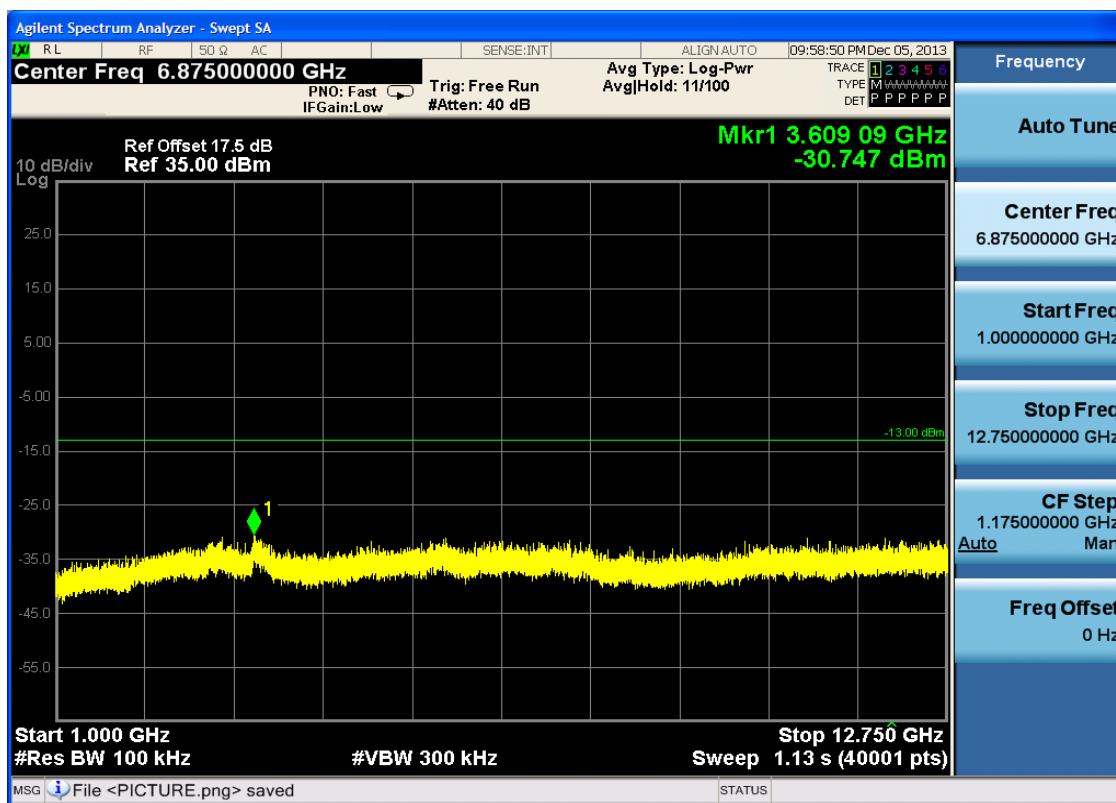
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH



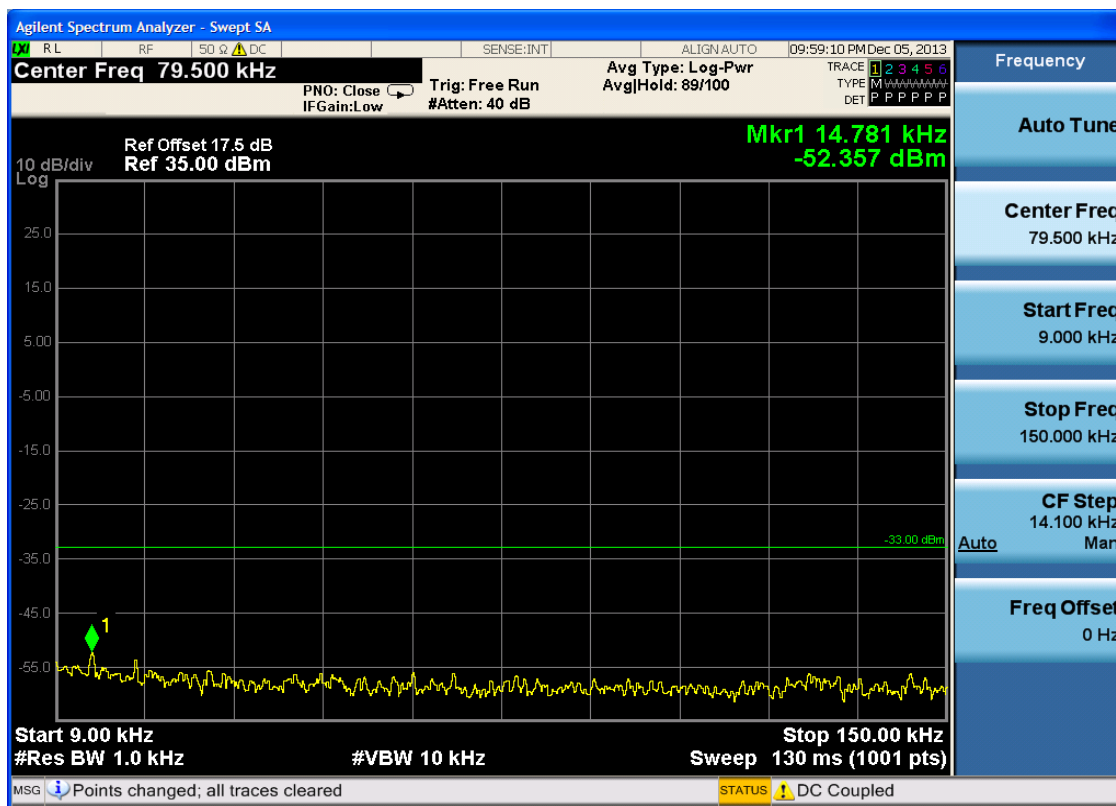


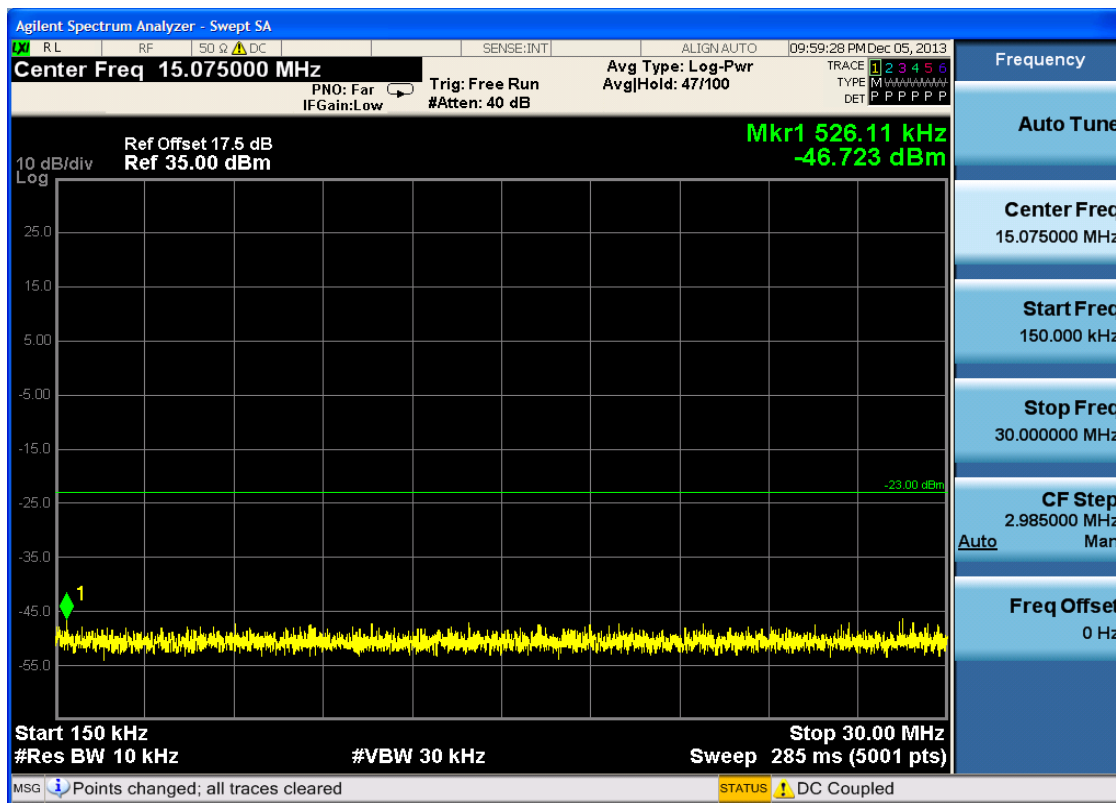


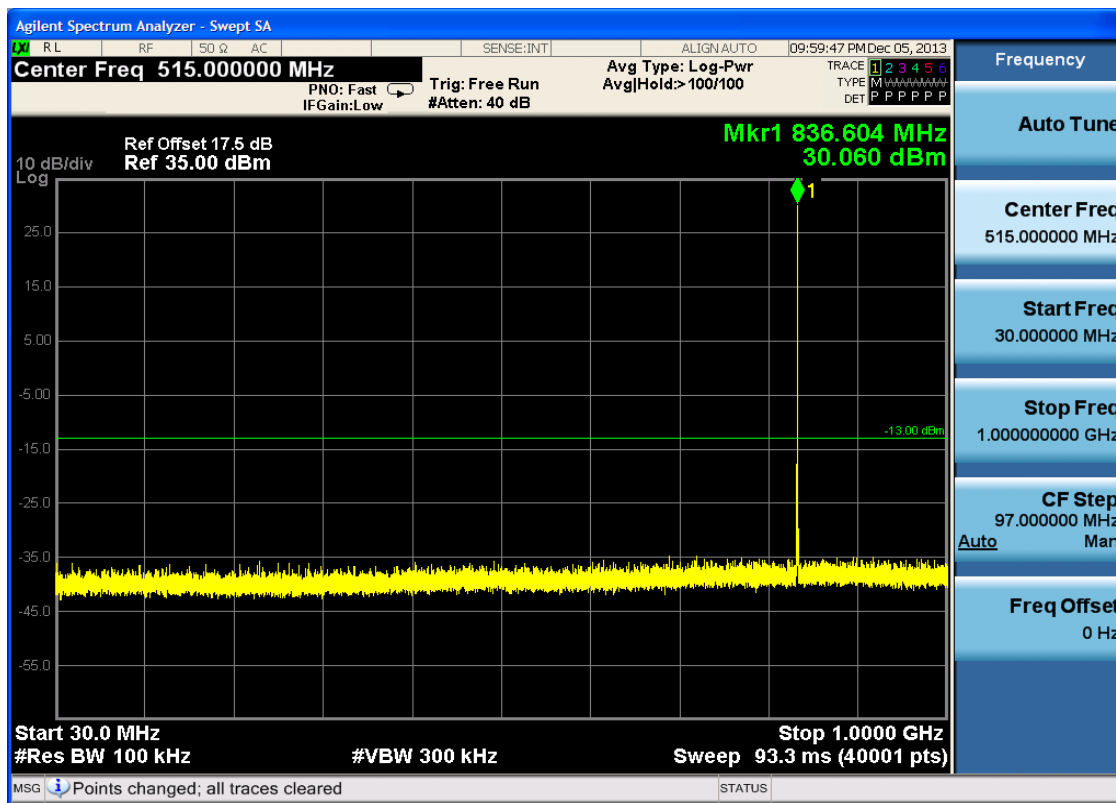


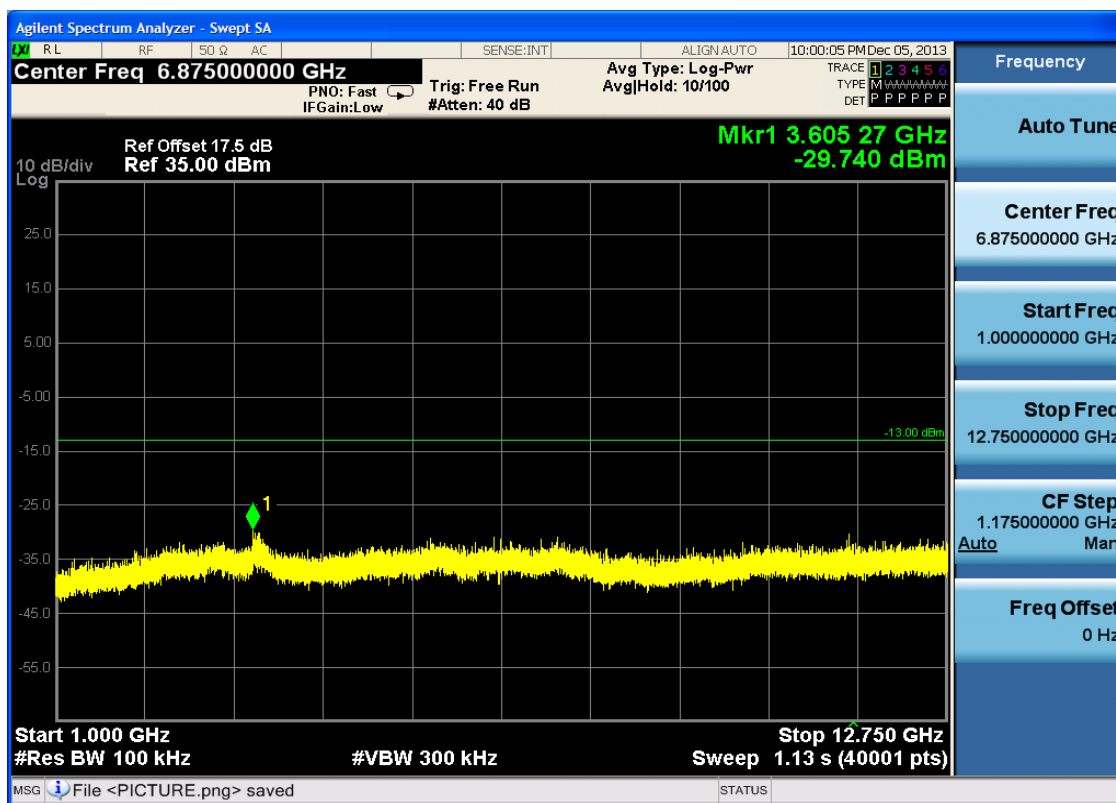


6.1.1.2.2 Test Channel = MCH



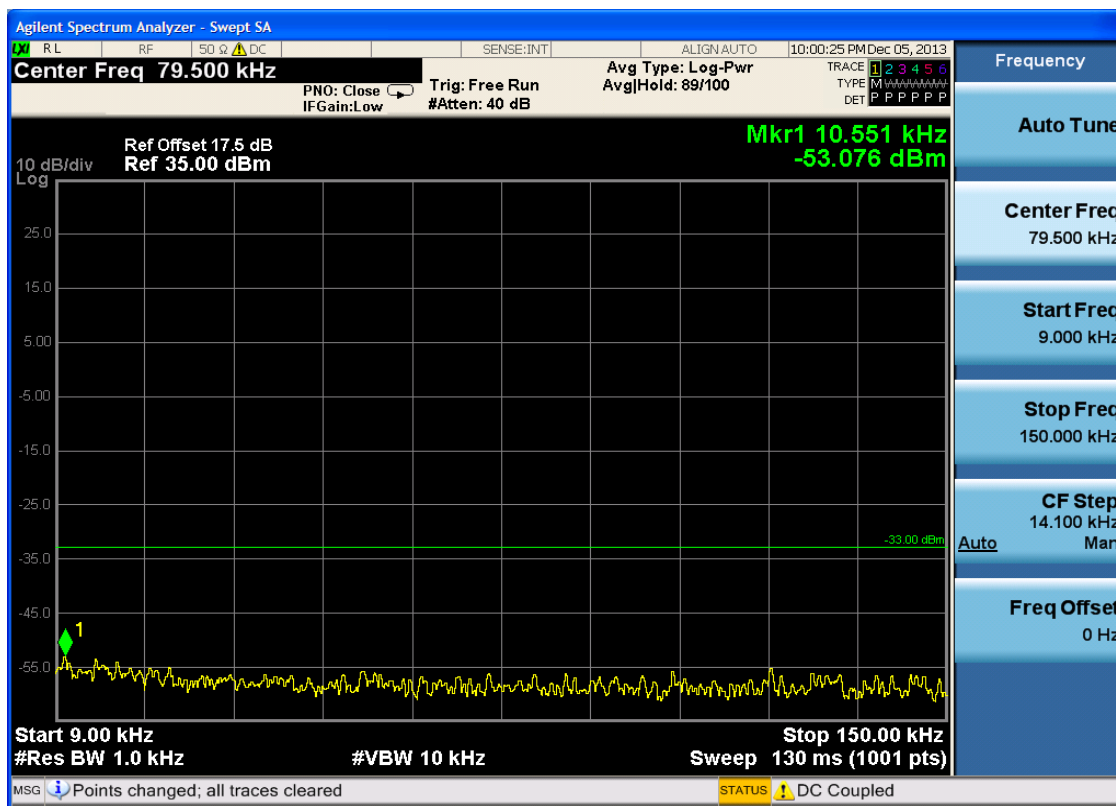


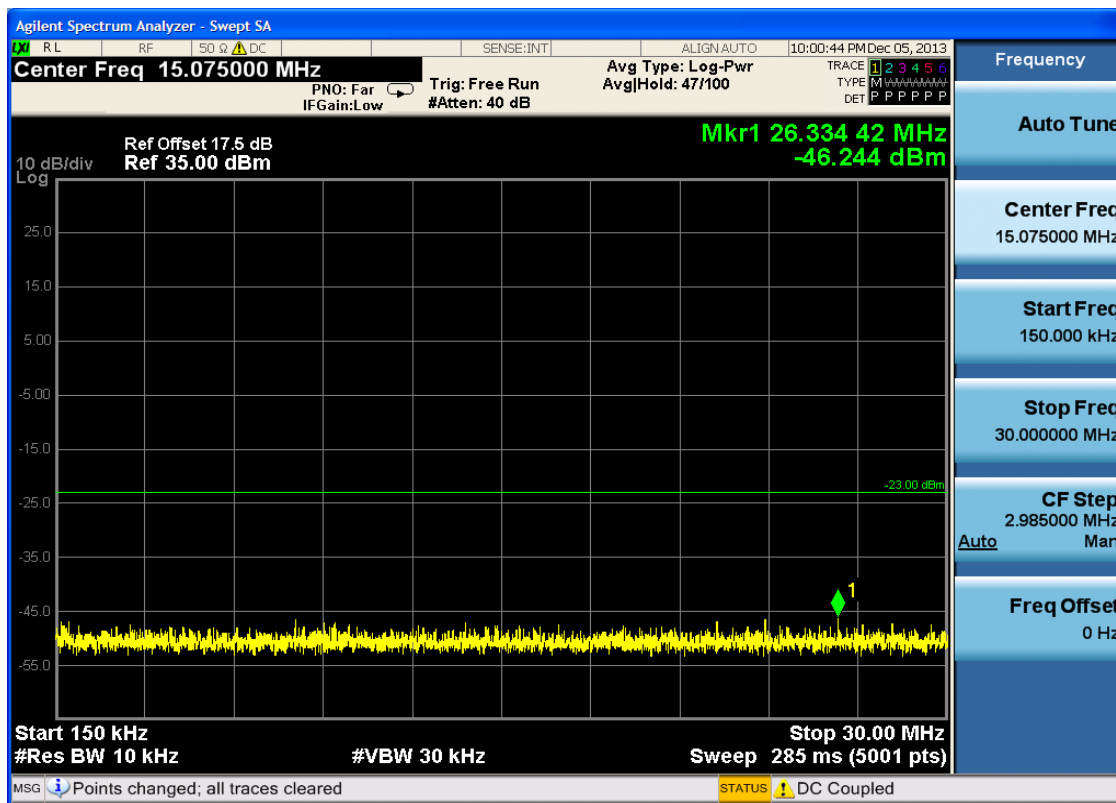


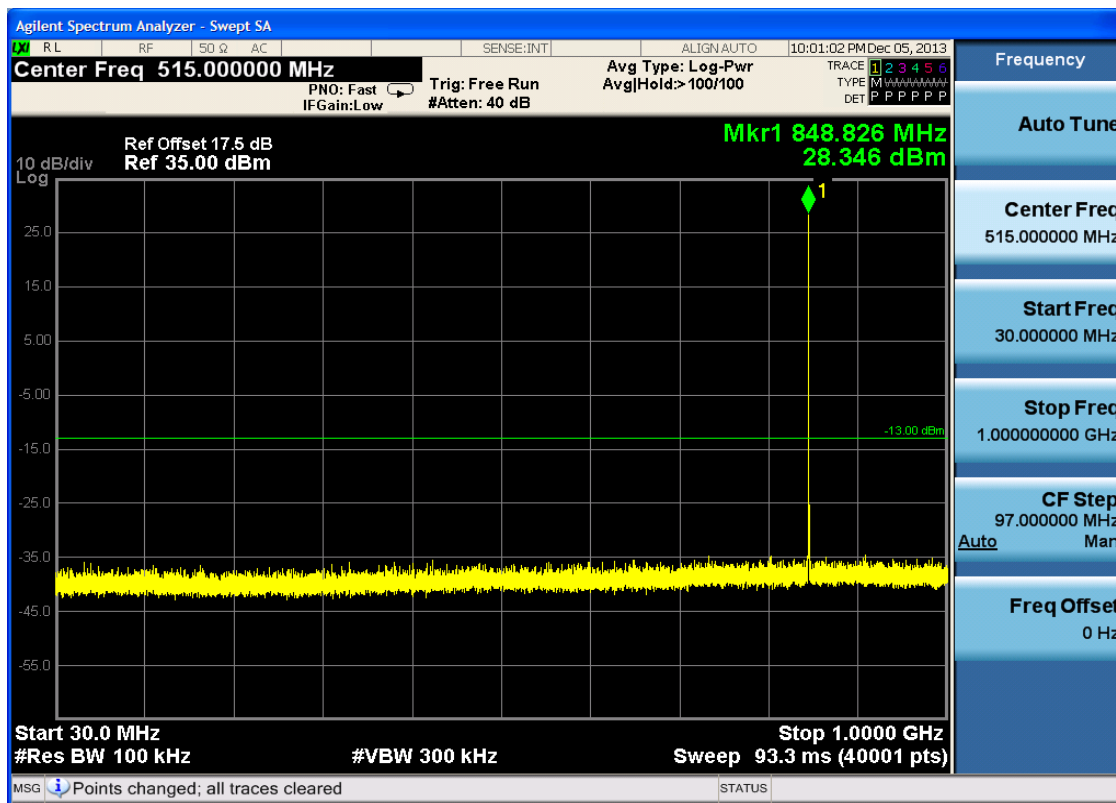


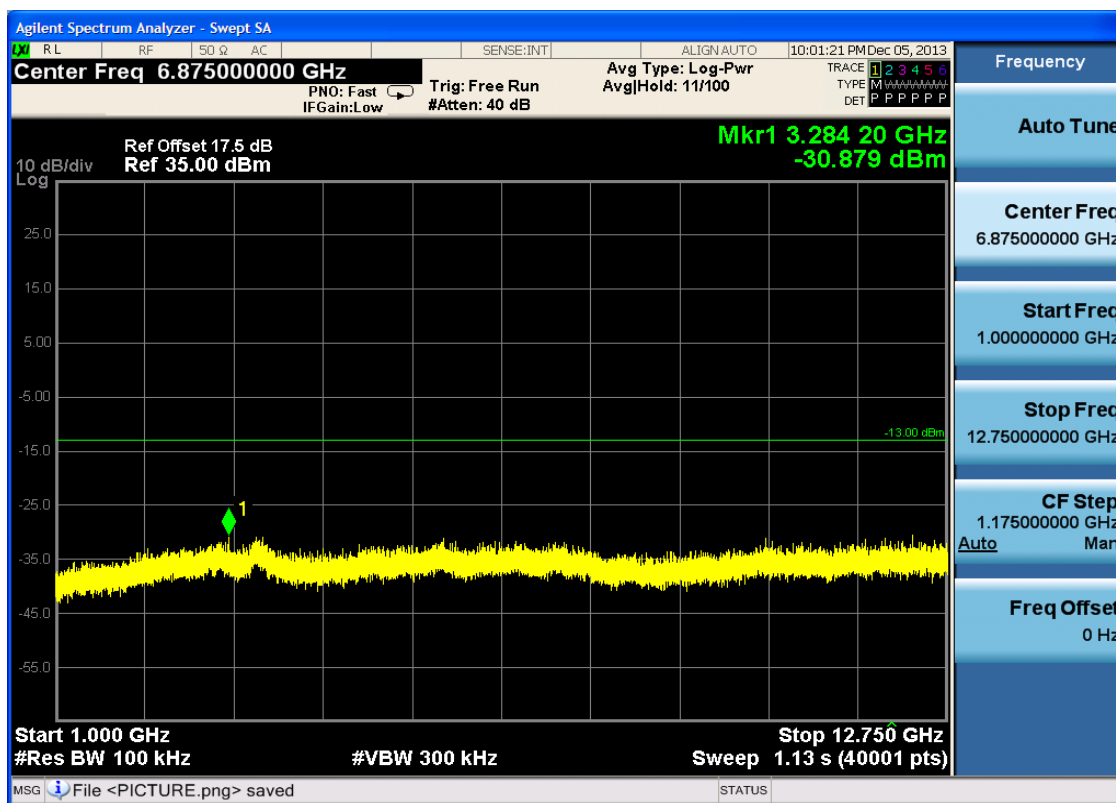


6.1.1.2.3 Test Channel = HCH





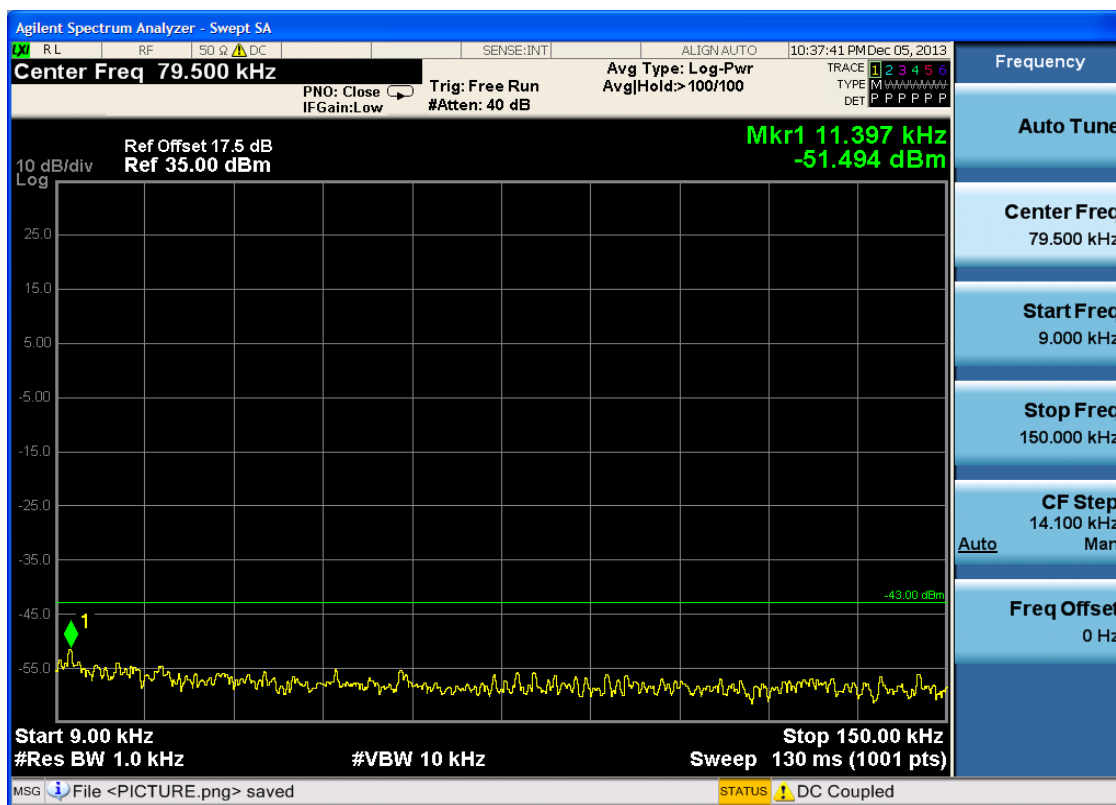


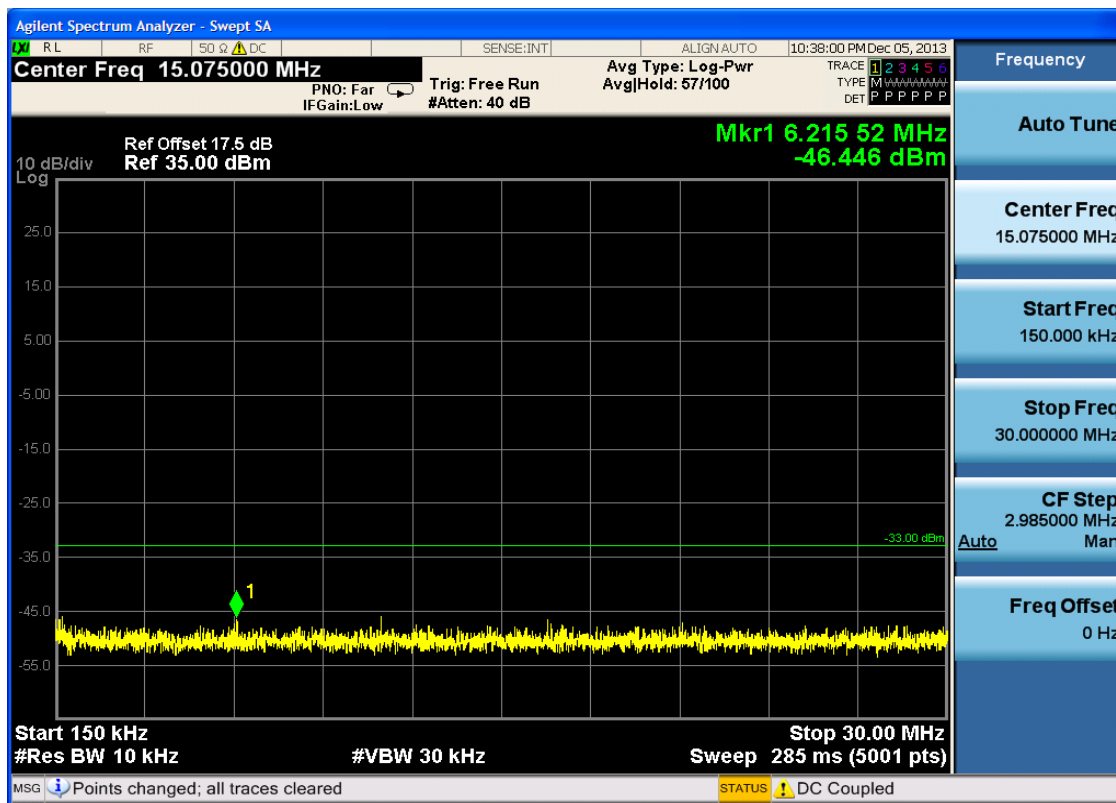


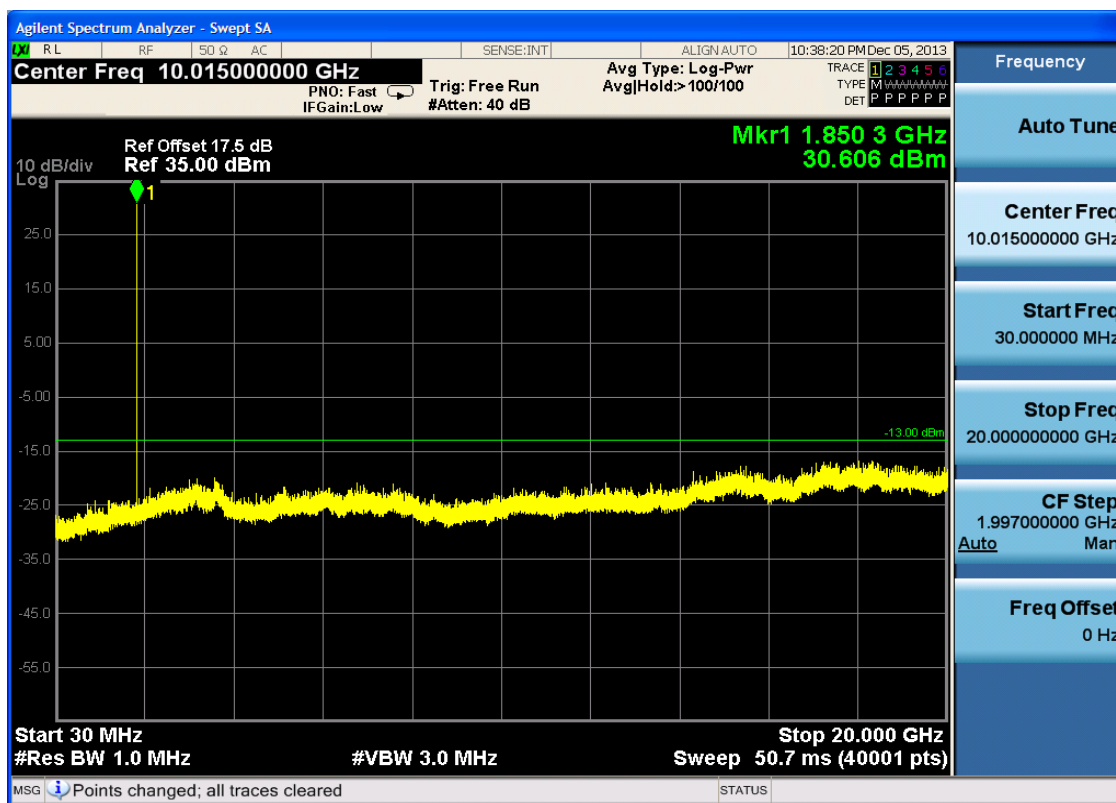
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

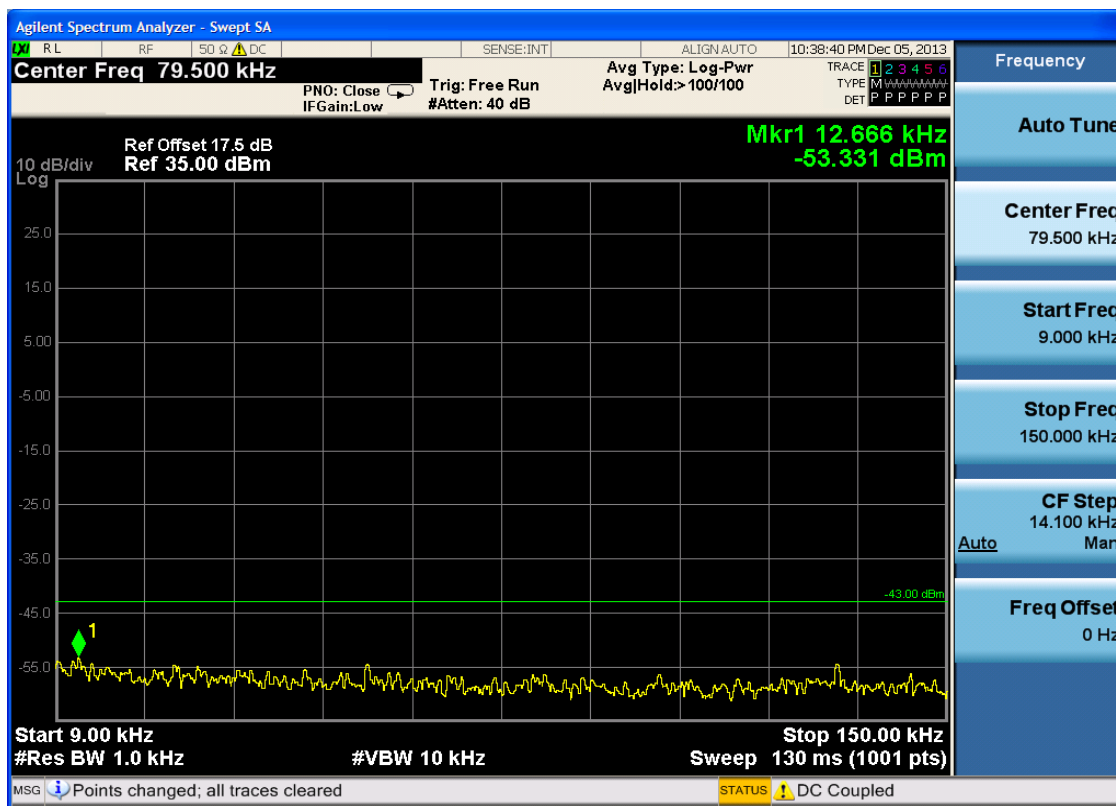


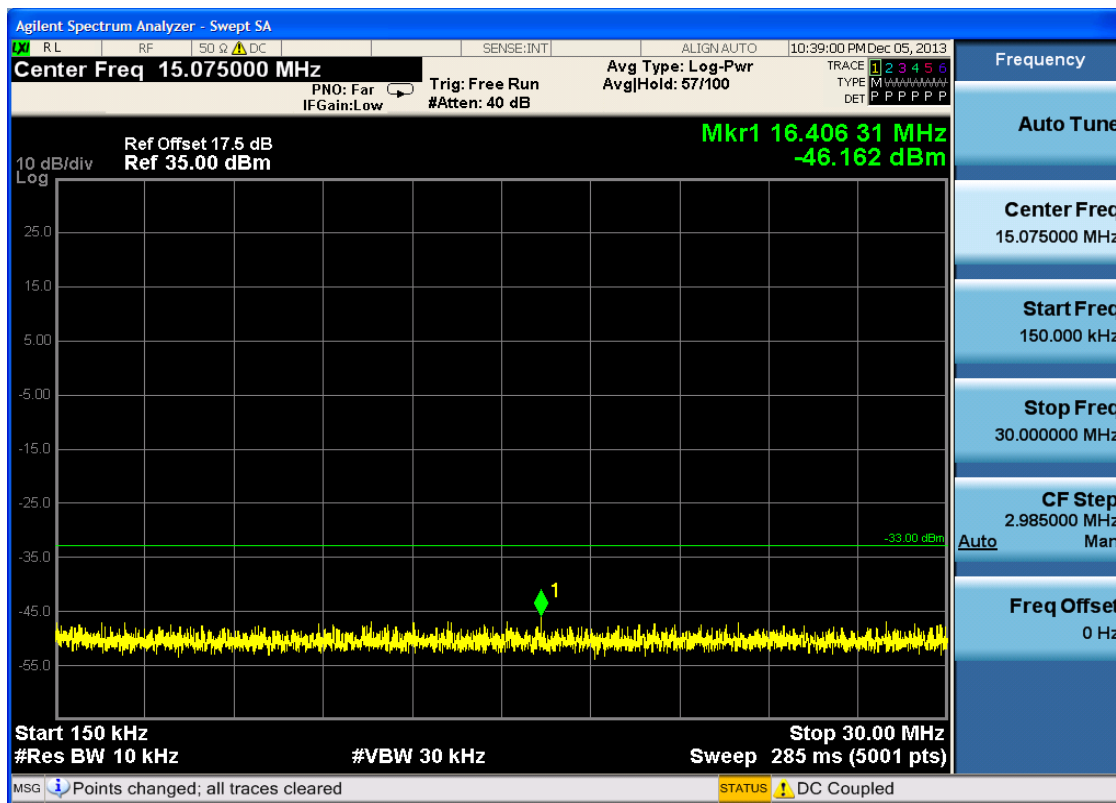


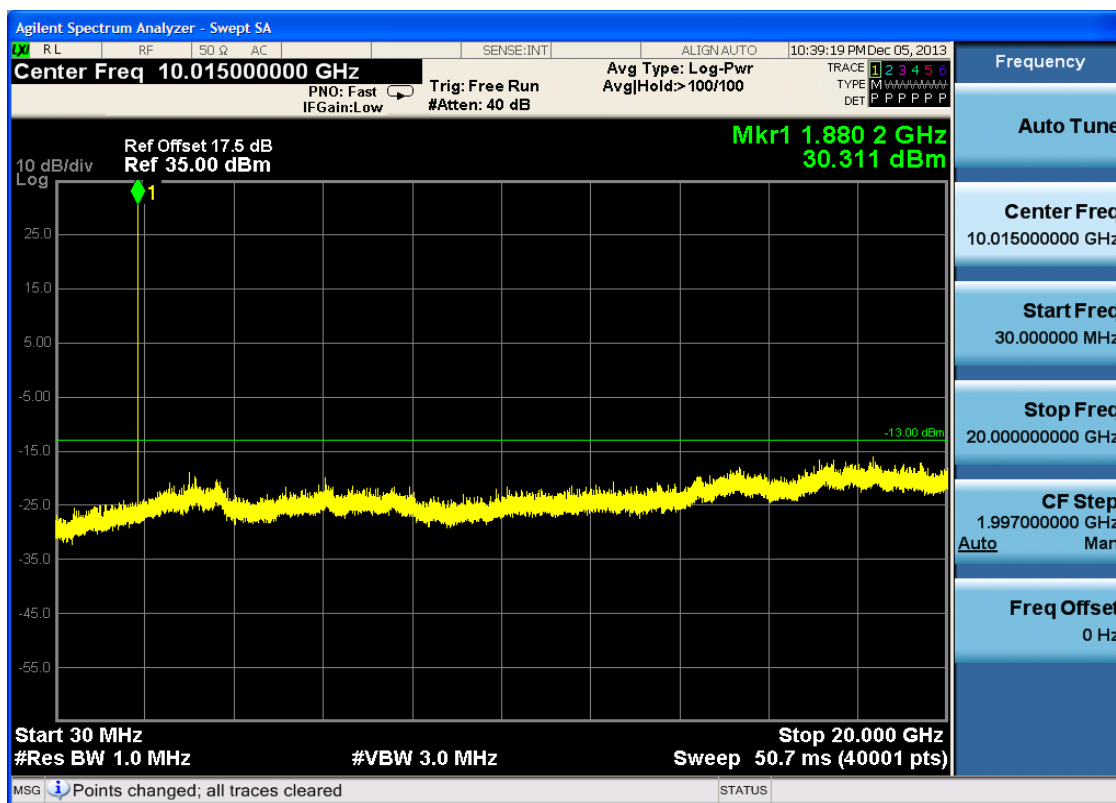




6.1.2.1.2 Test Channel = MCH

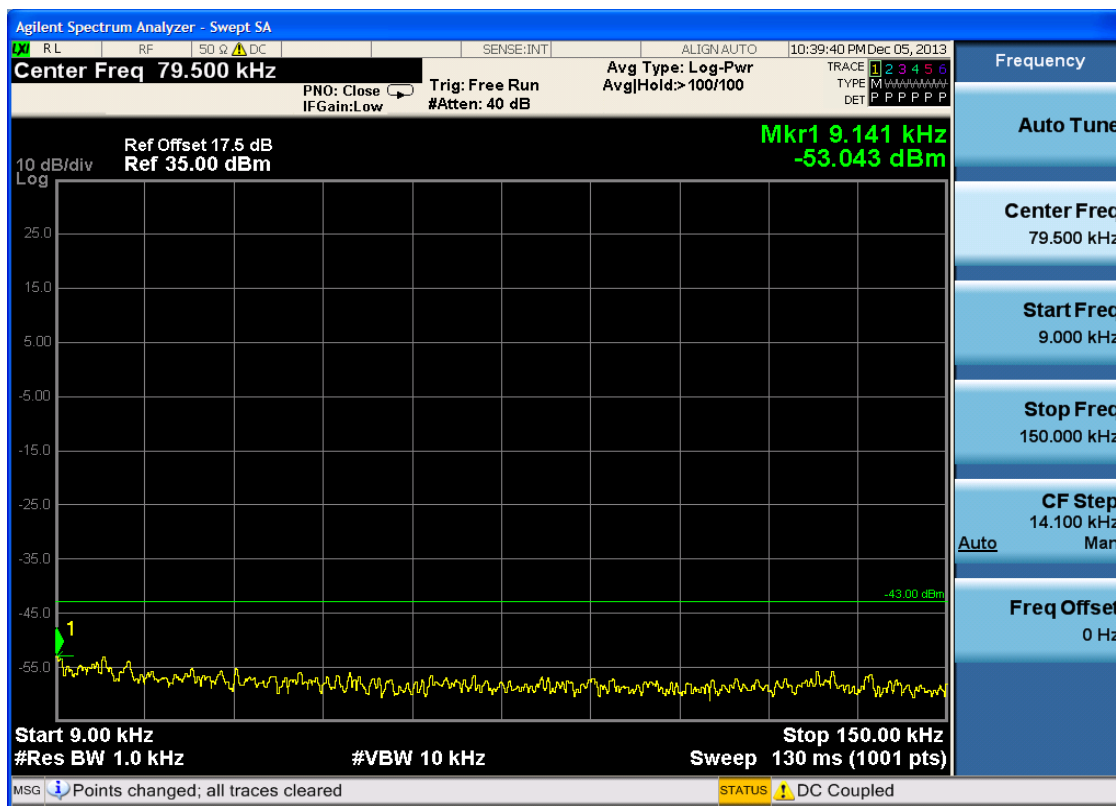


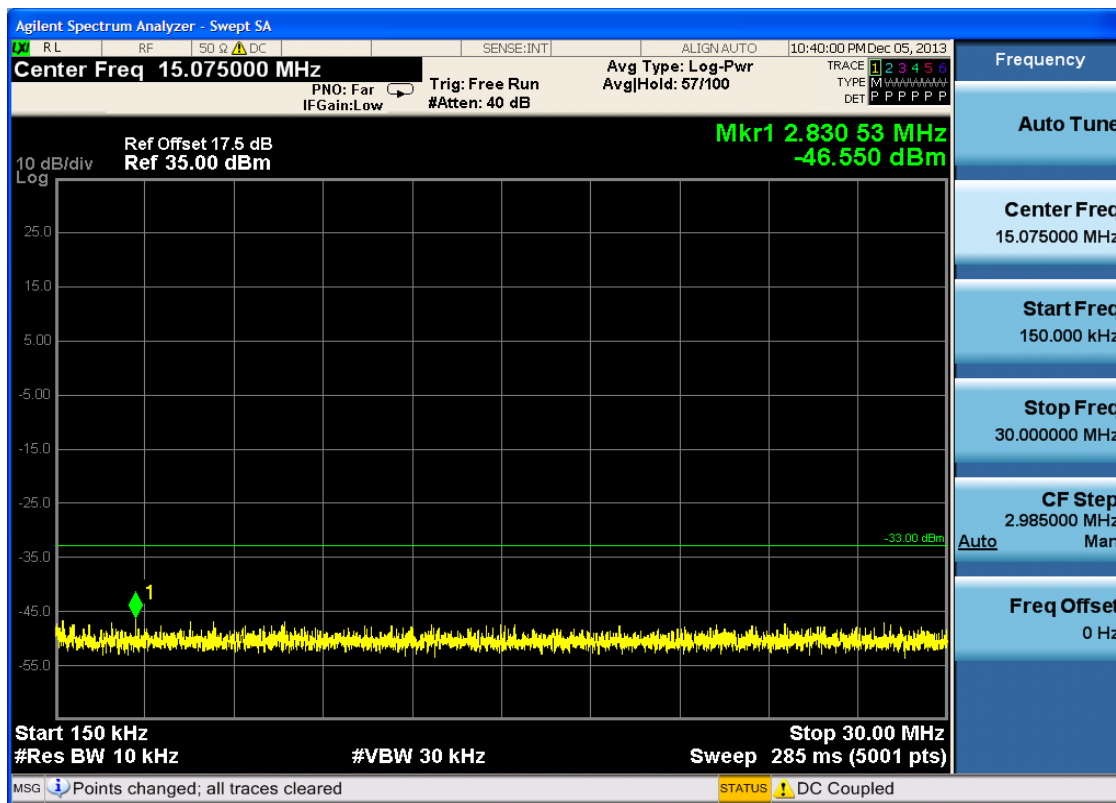


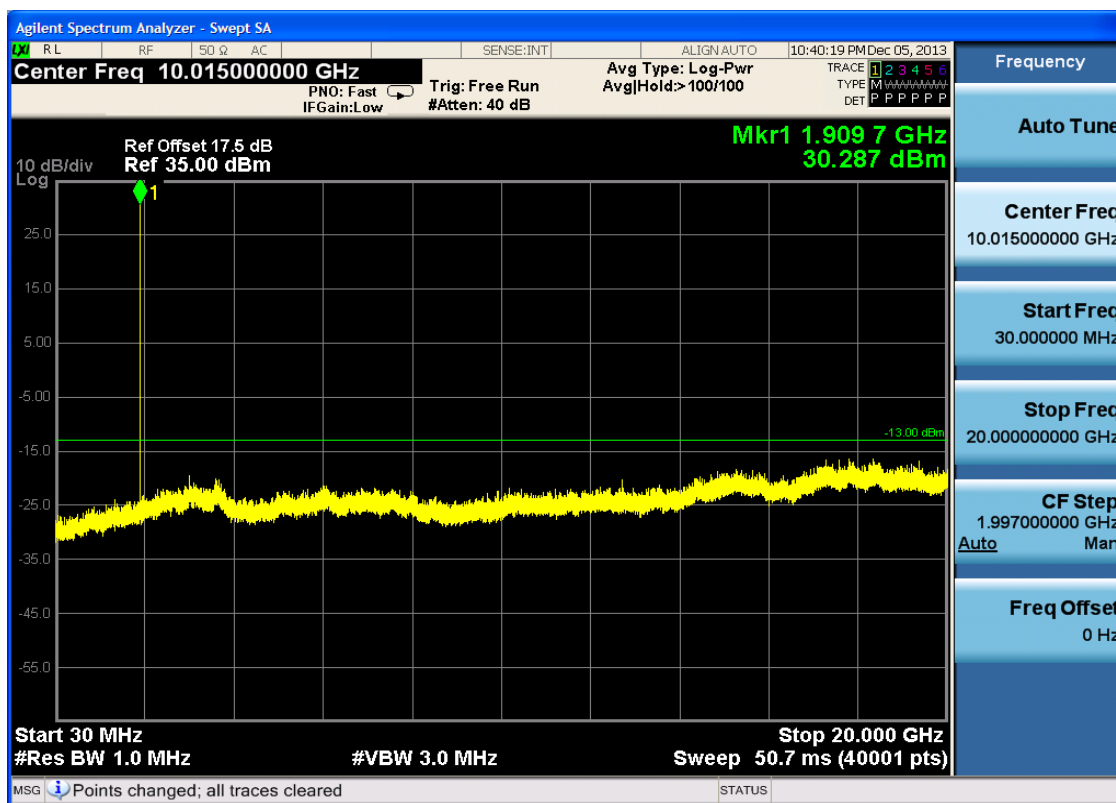




6.1.2.1.3 Test Channel = HCH

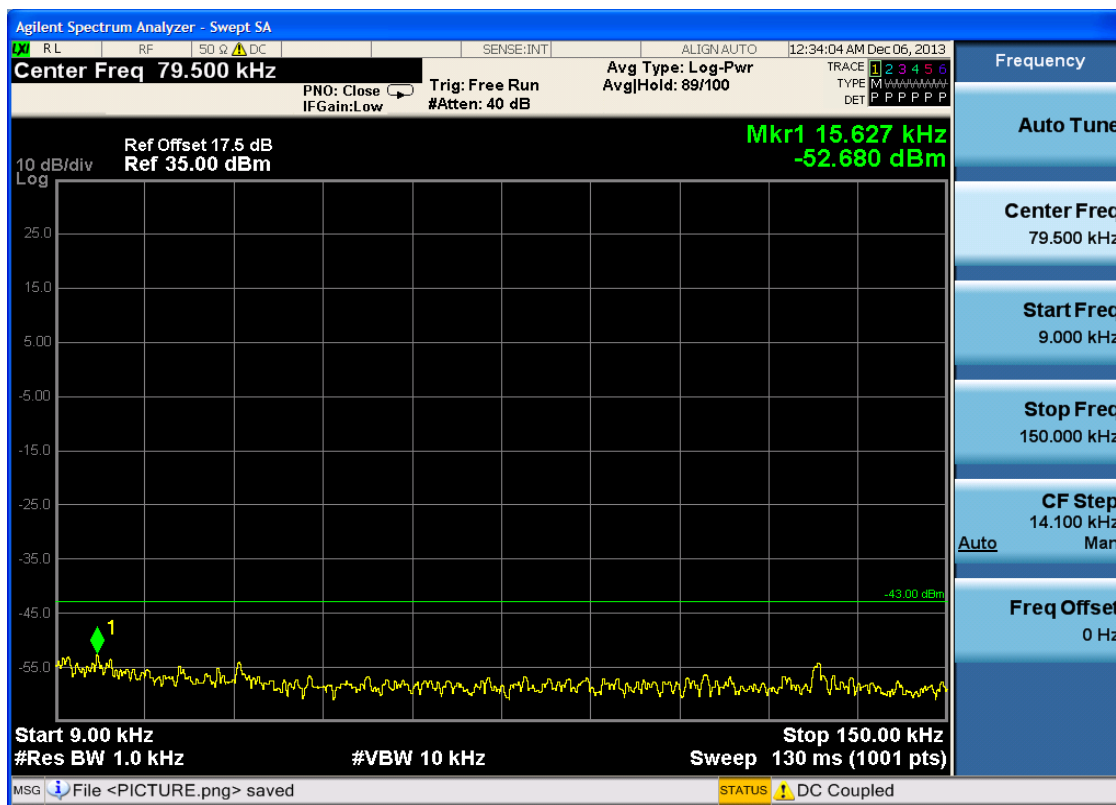


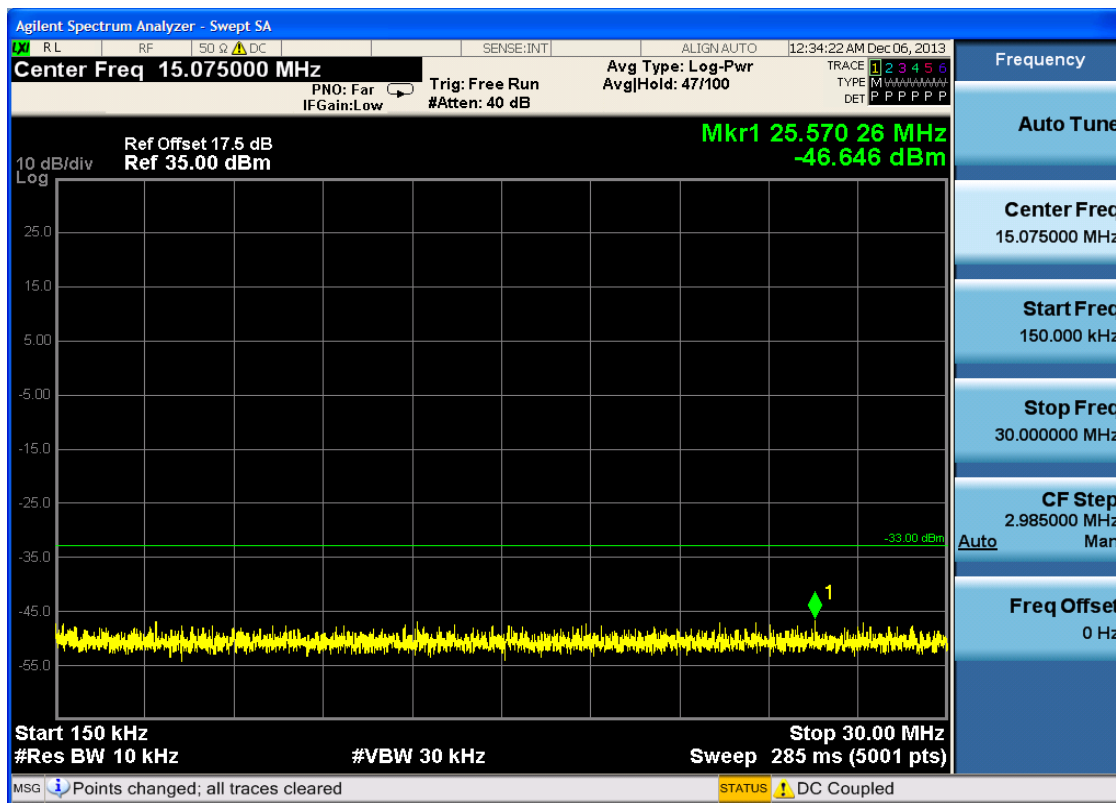


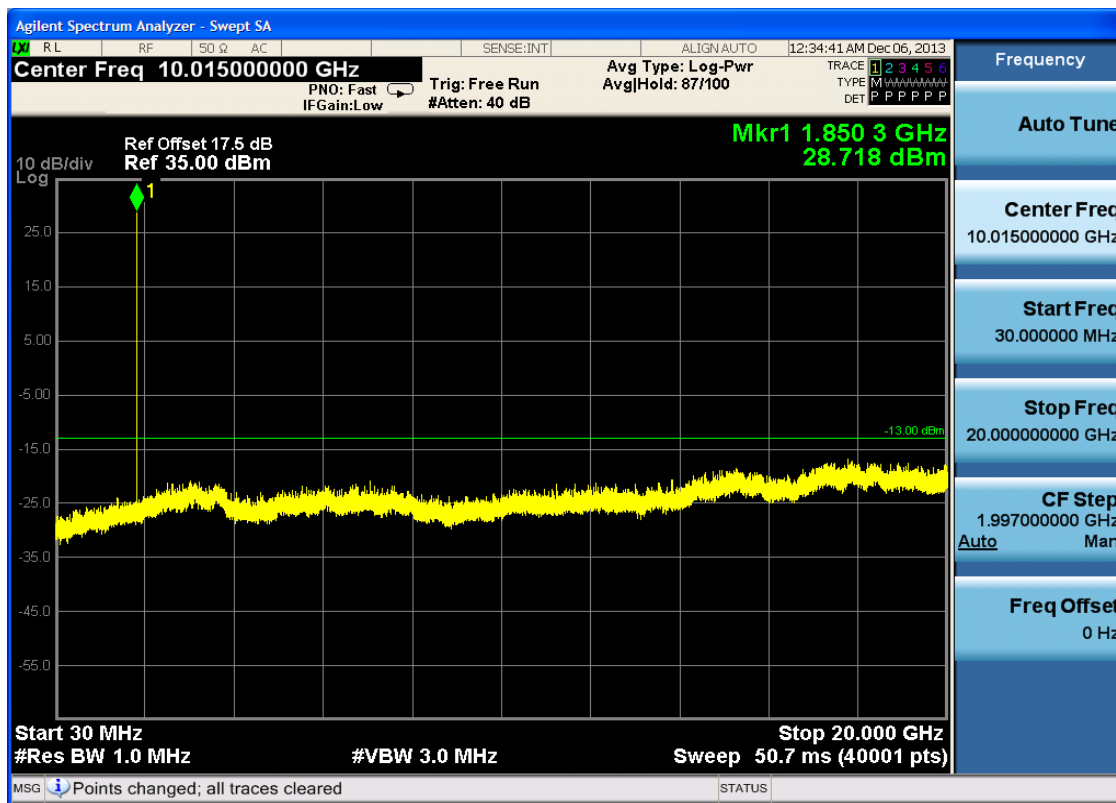


6.1.2.2 Test Mode = GSM/TM2

6.1.2.2.1 Test Channel = LCH

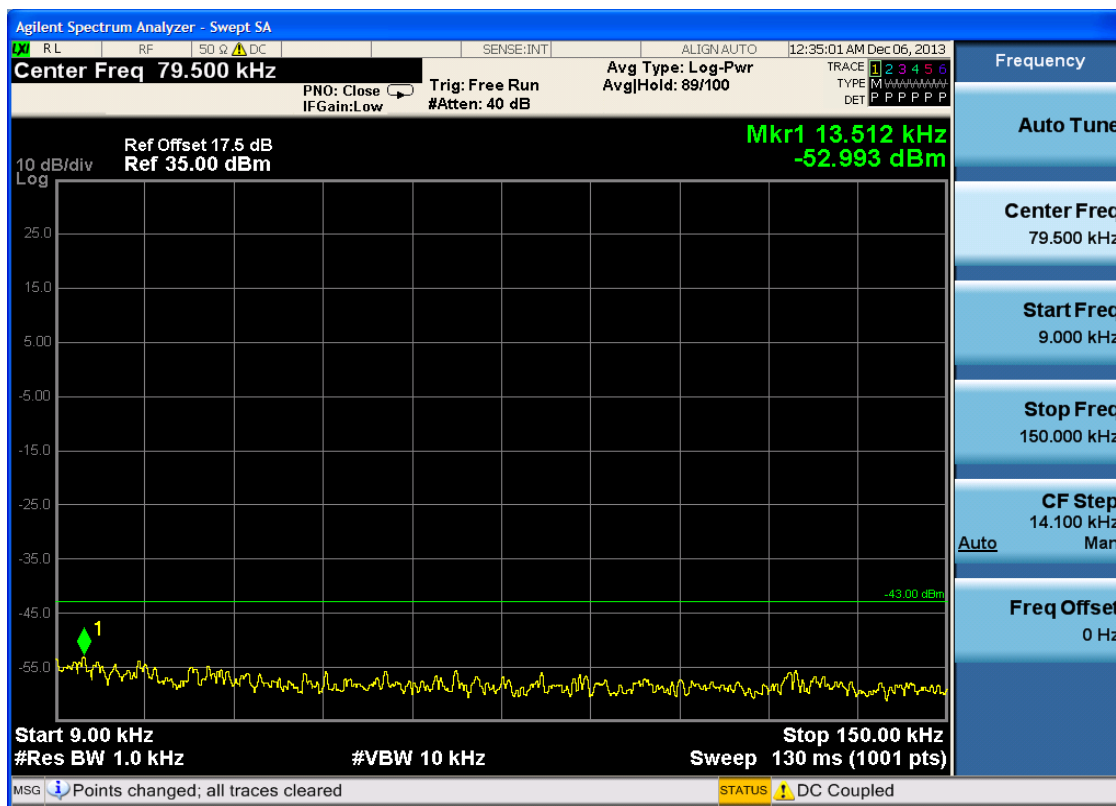


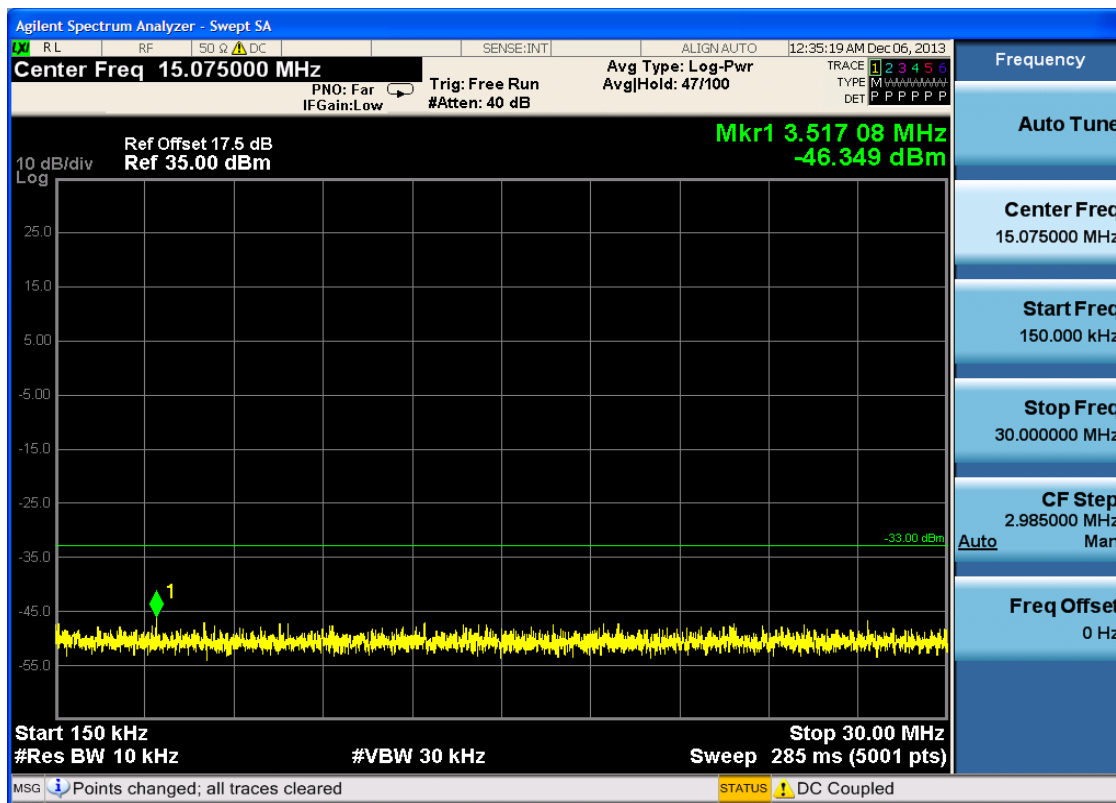


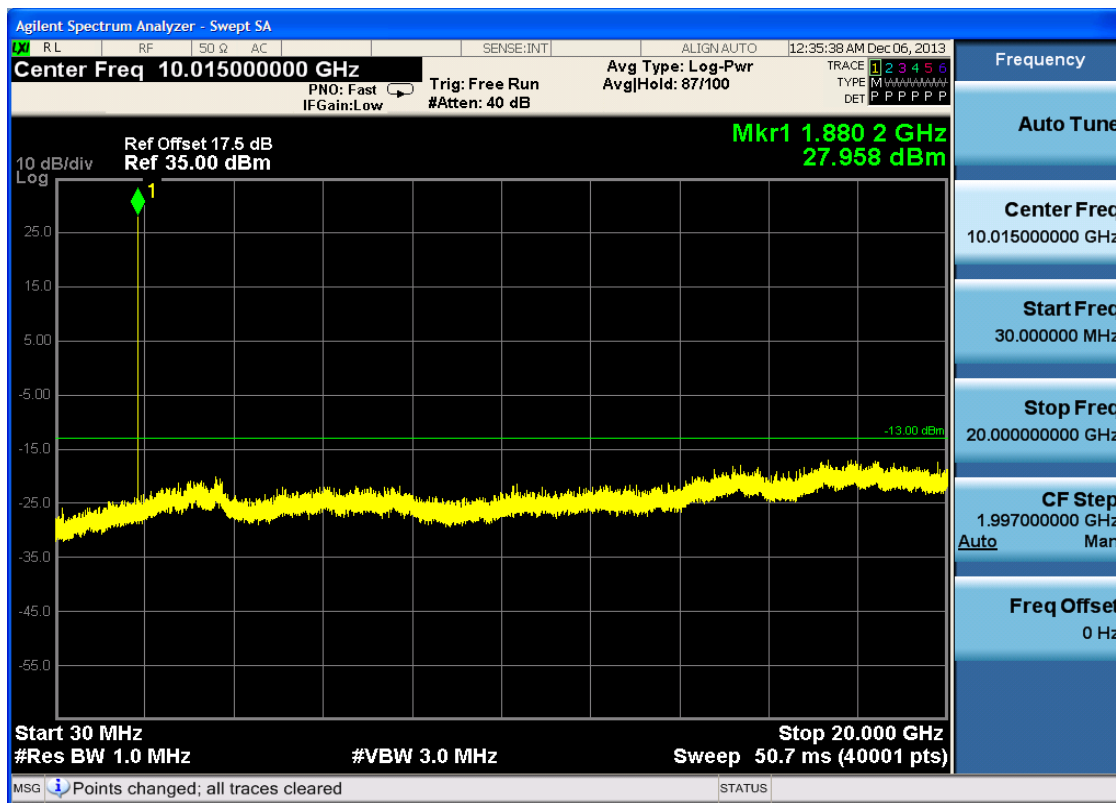




6.1.2.2.2 Test Channel = MCH

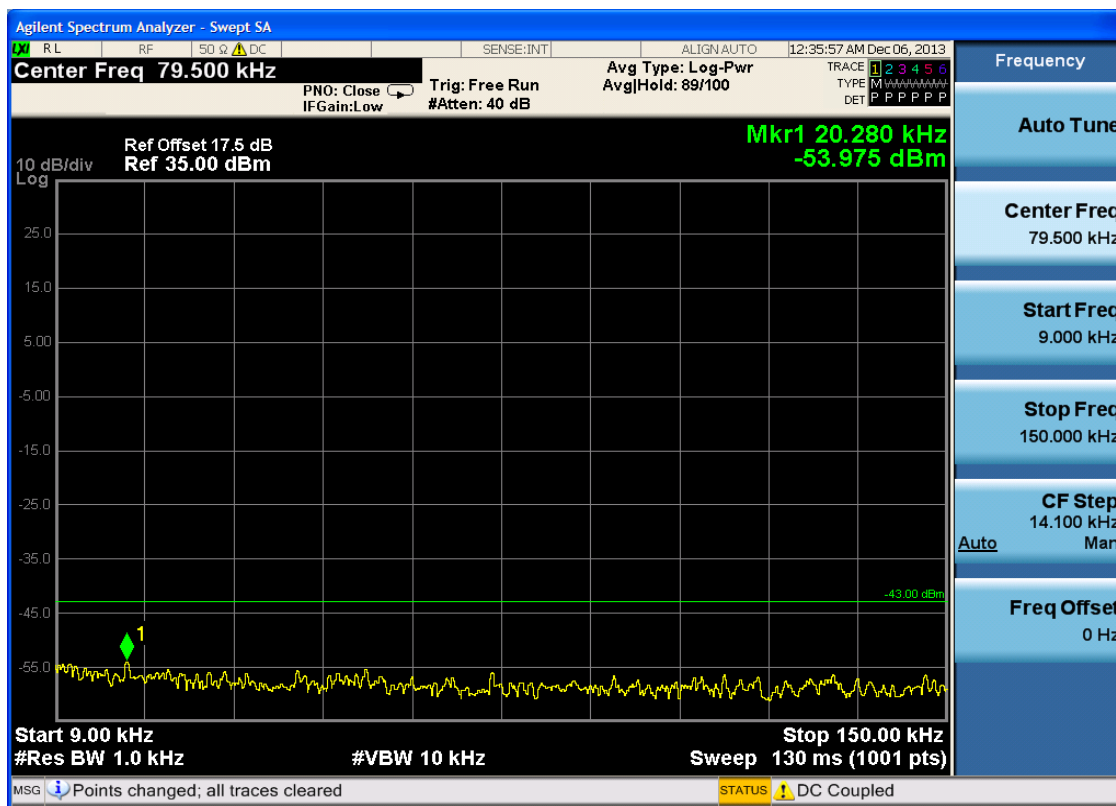


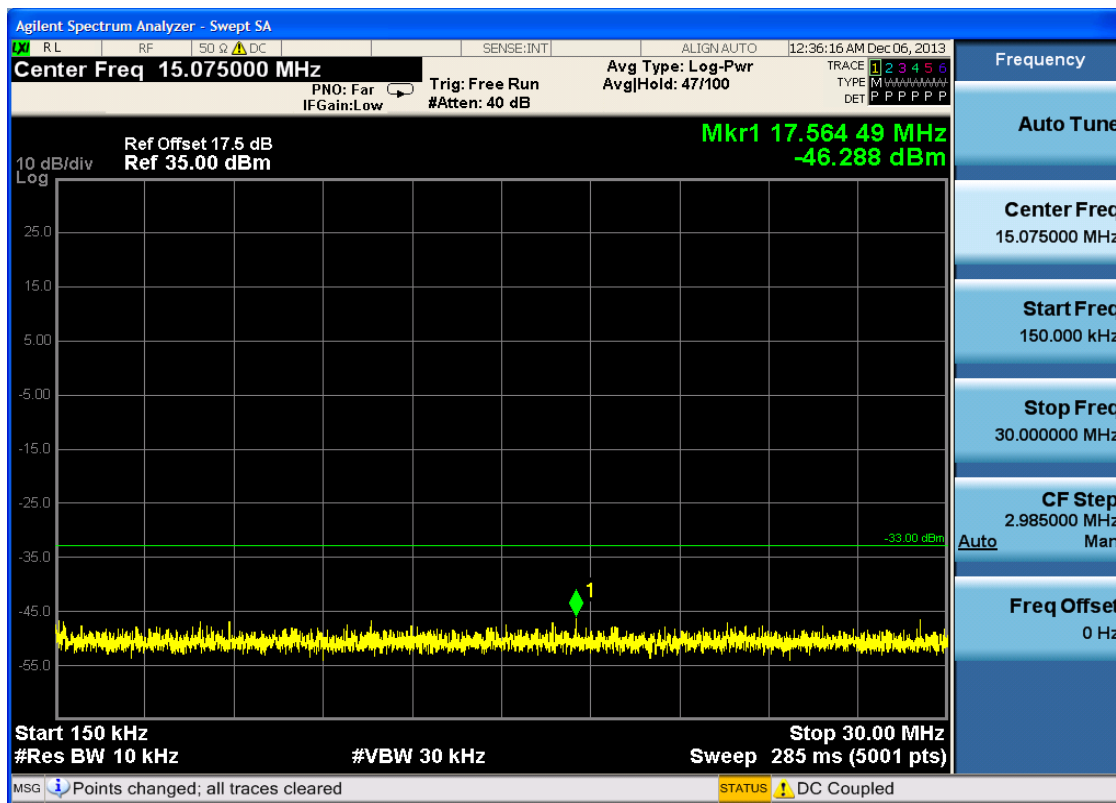


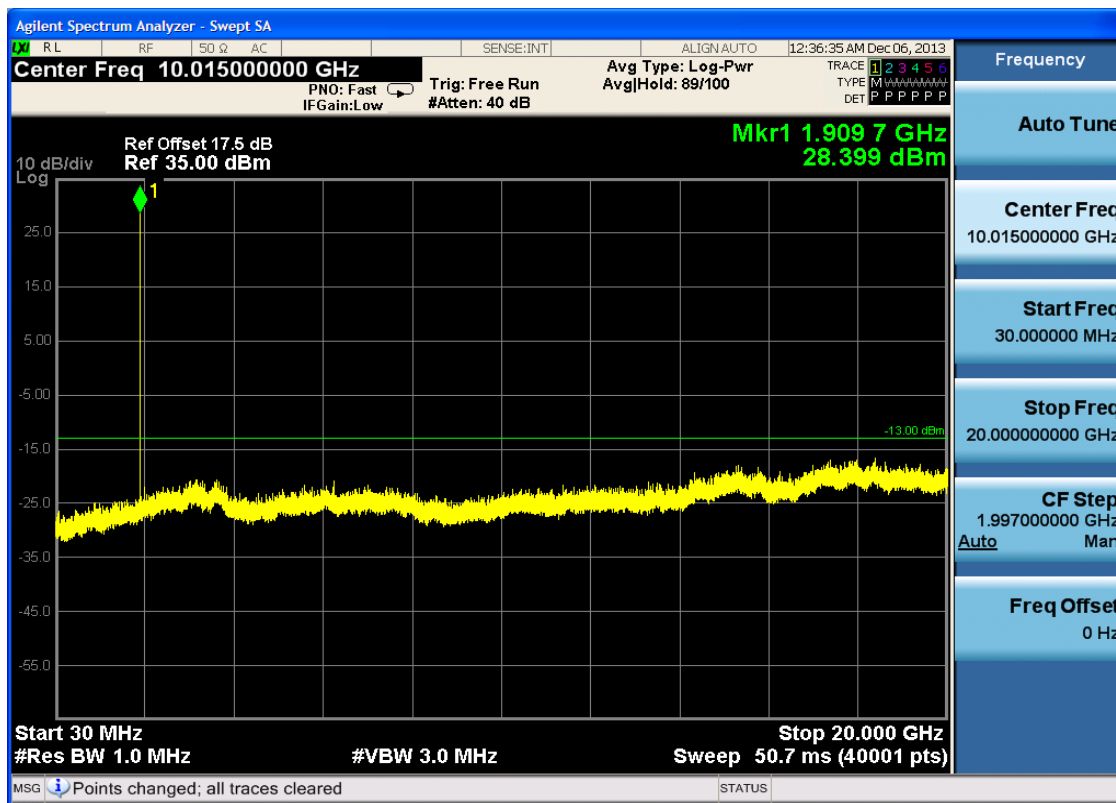




6.1.2.2.3 Test Channel = HCH





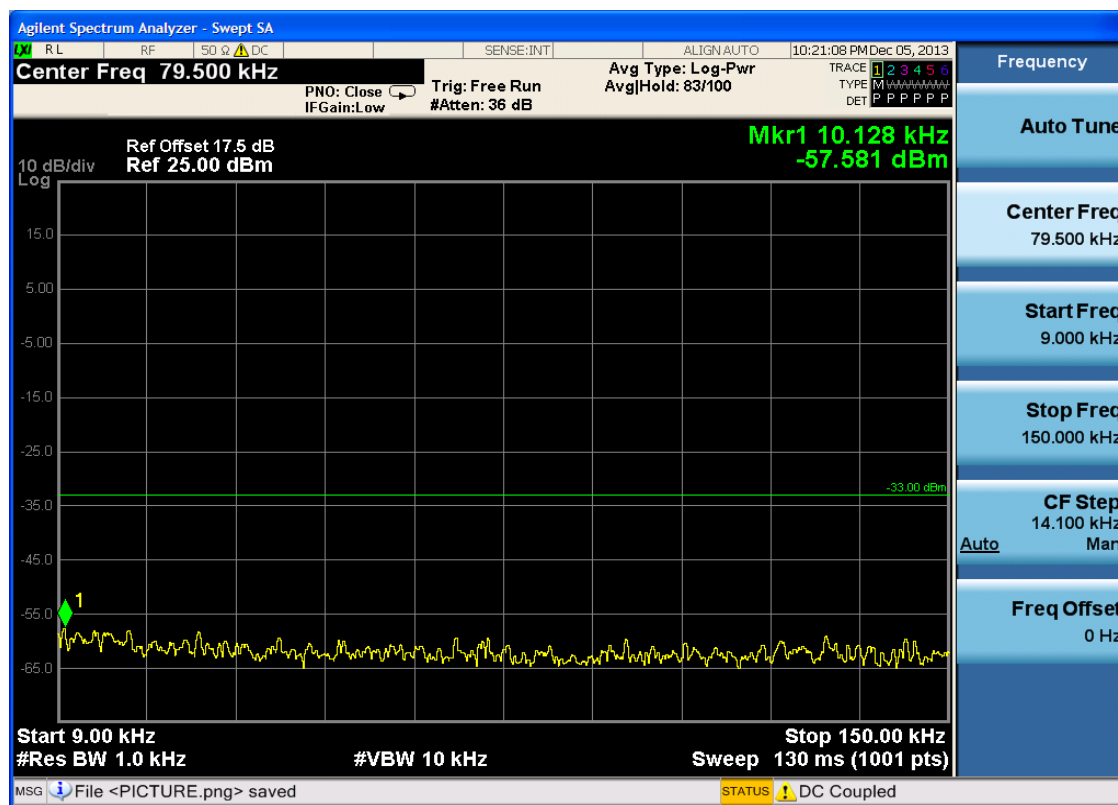


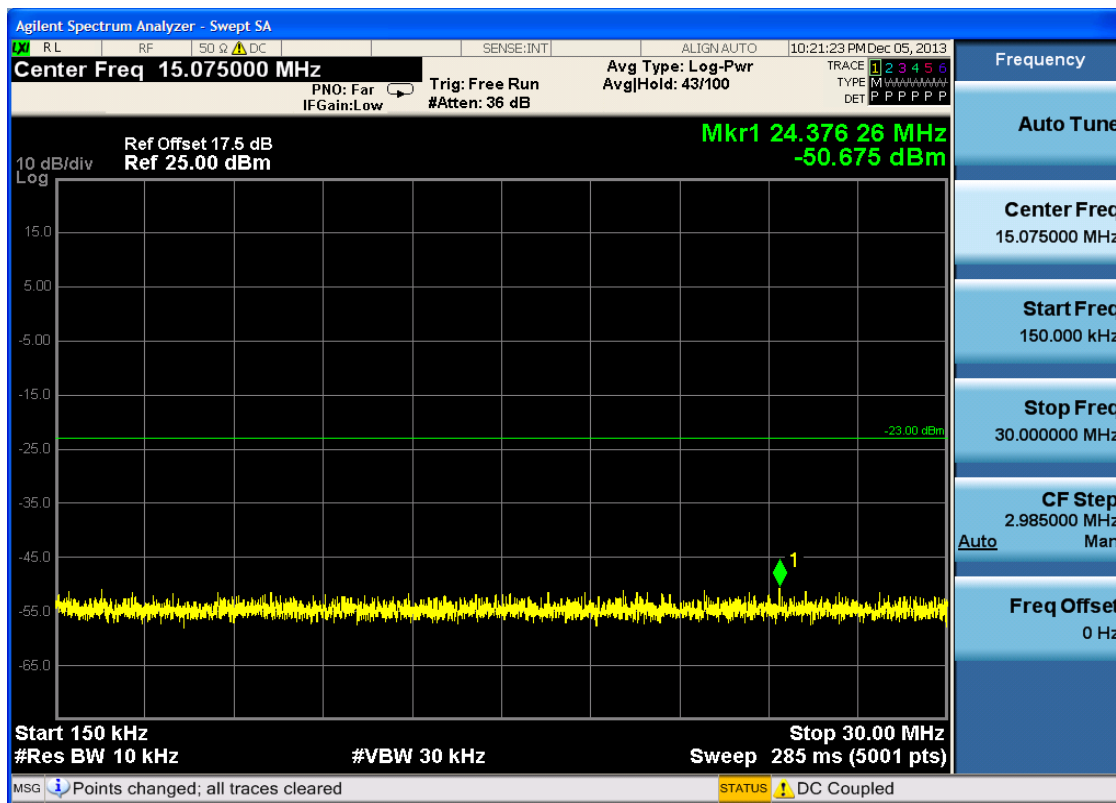
6.2 For UMTS

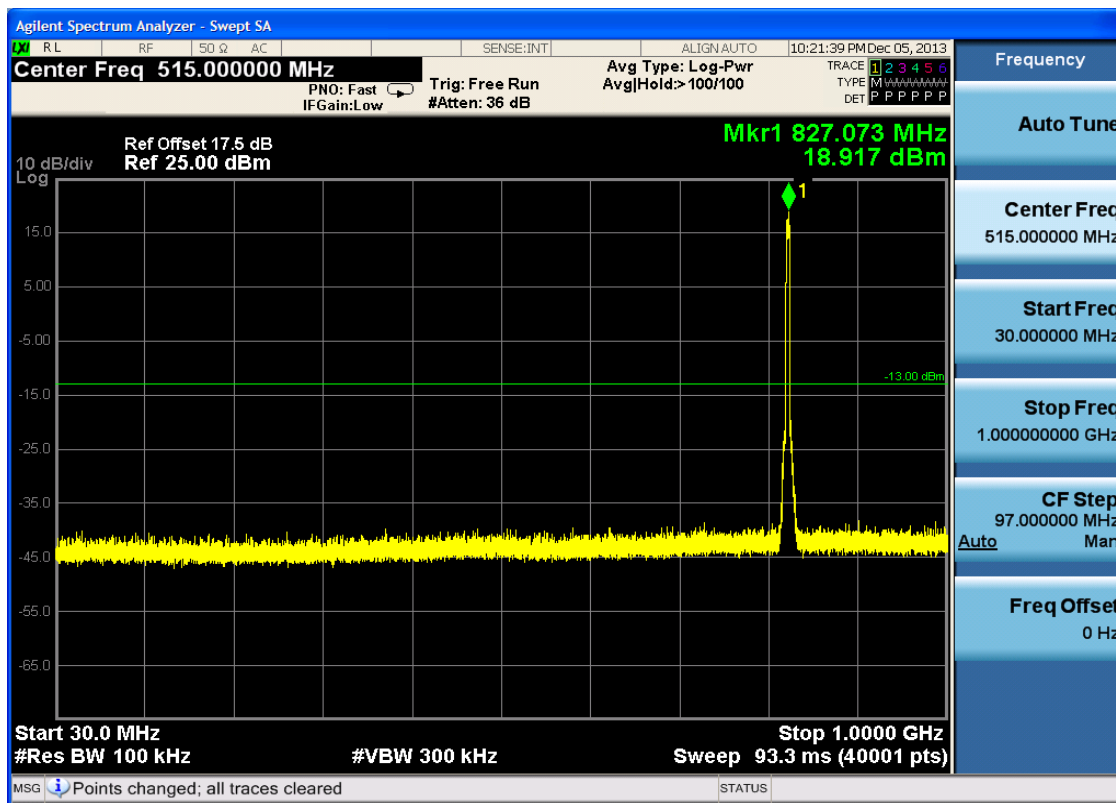
6.2.1 Test Band = WCDMA850

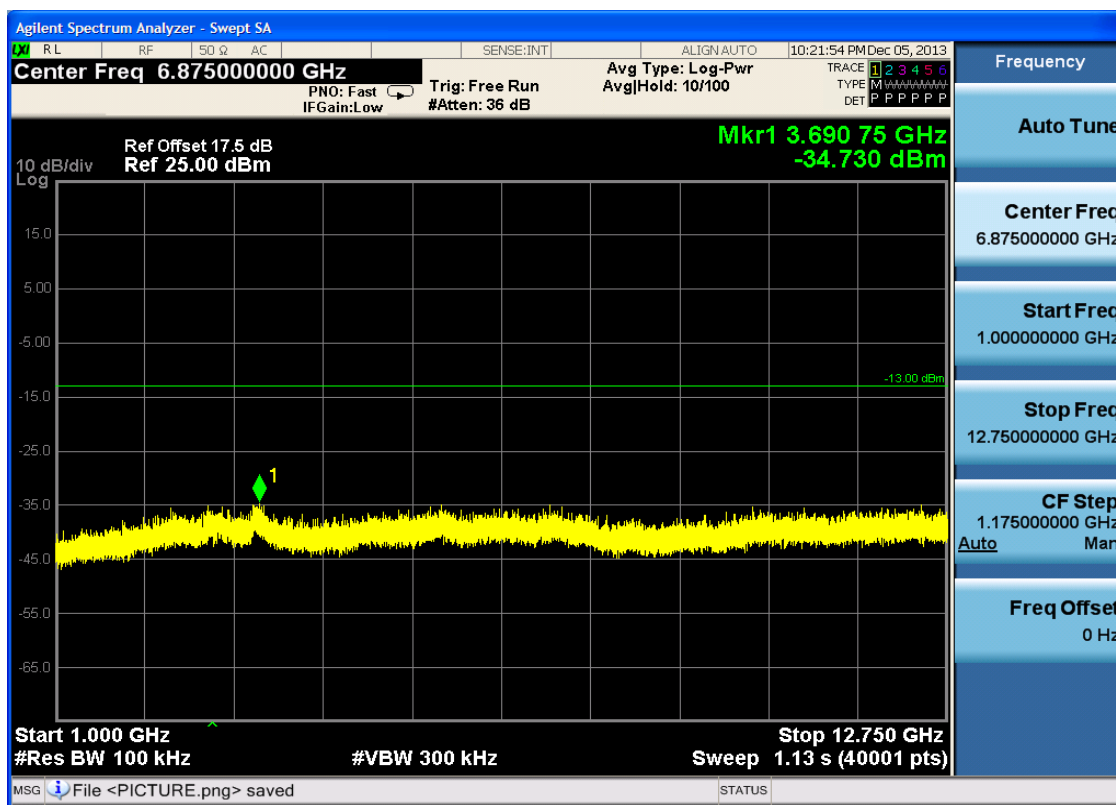
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH



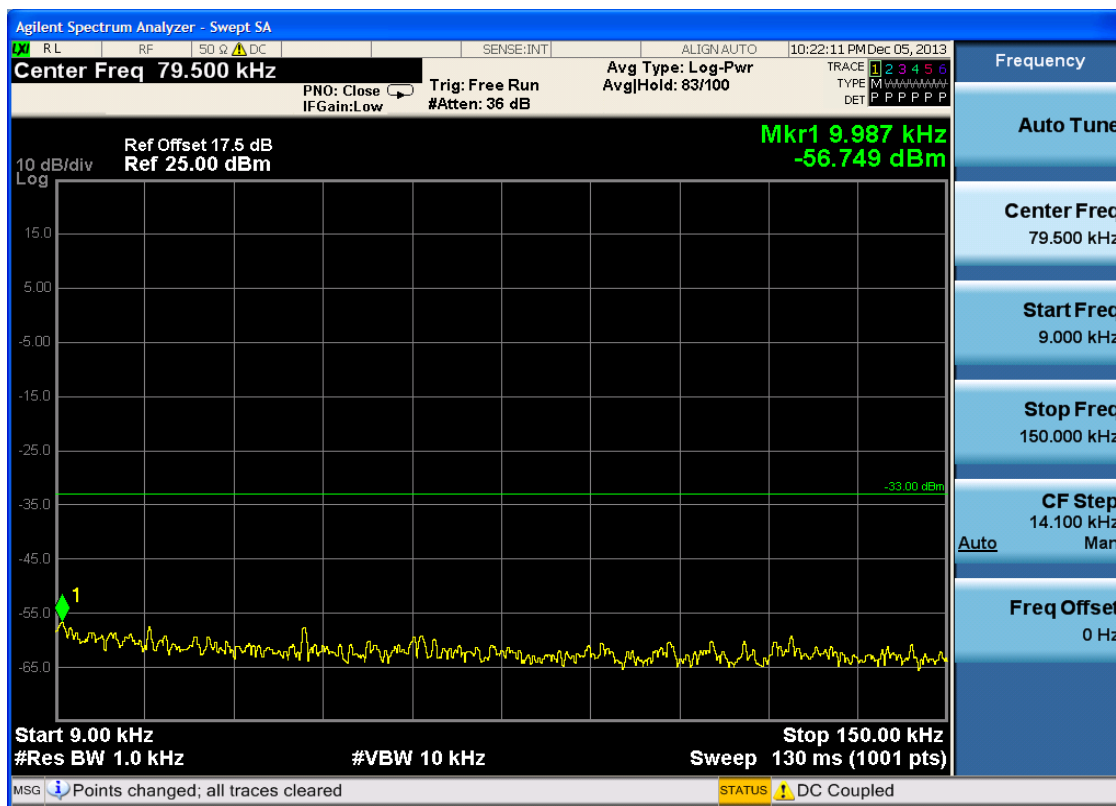


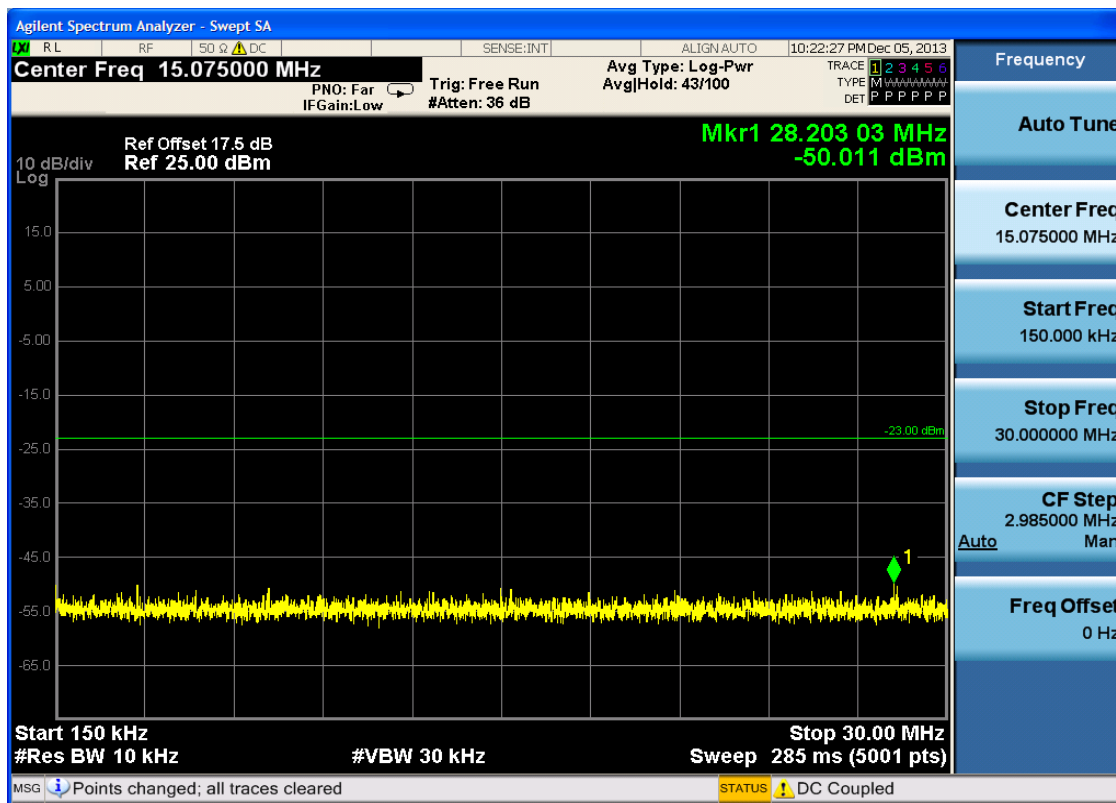


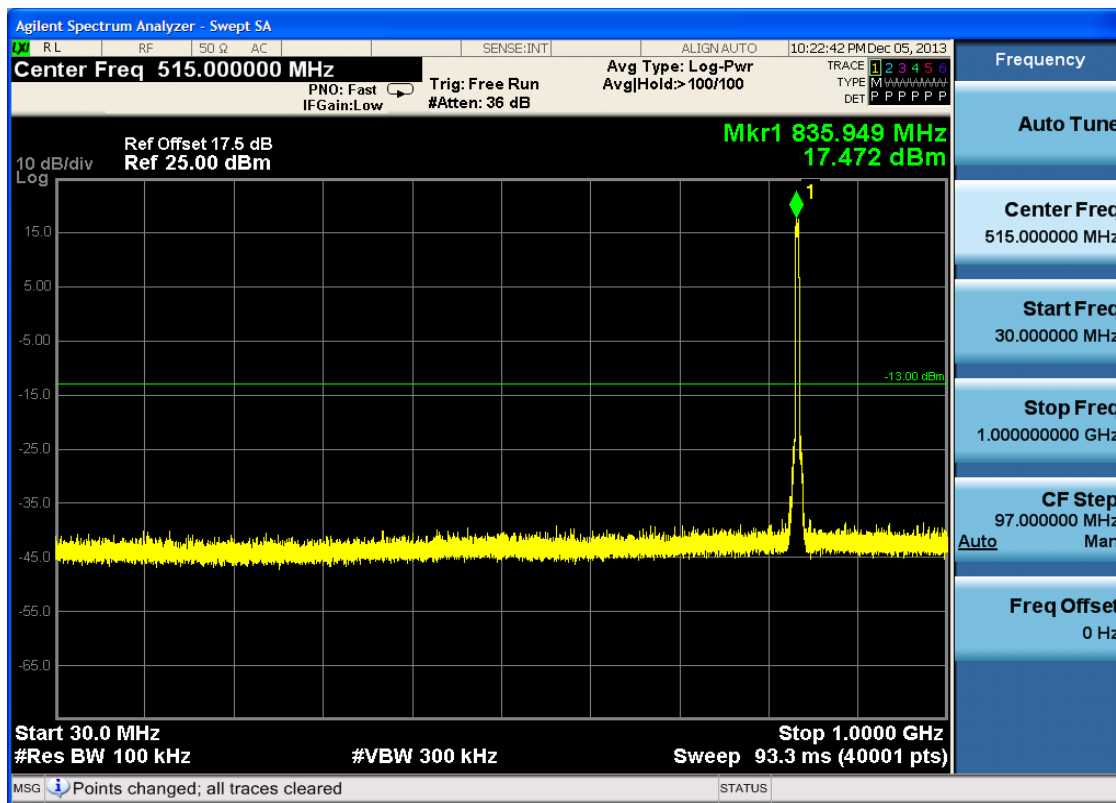


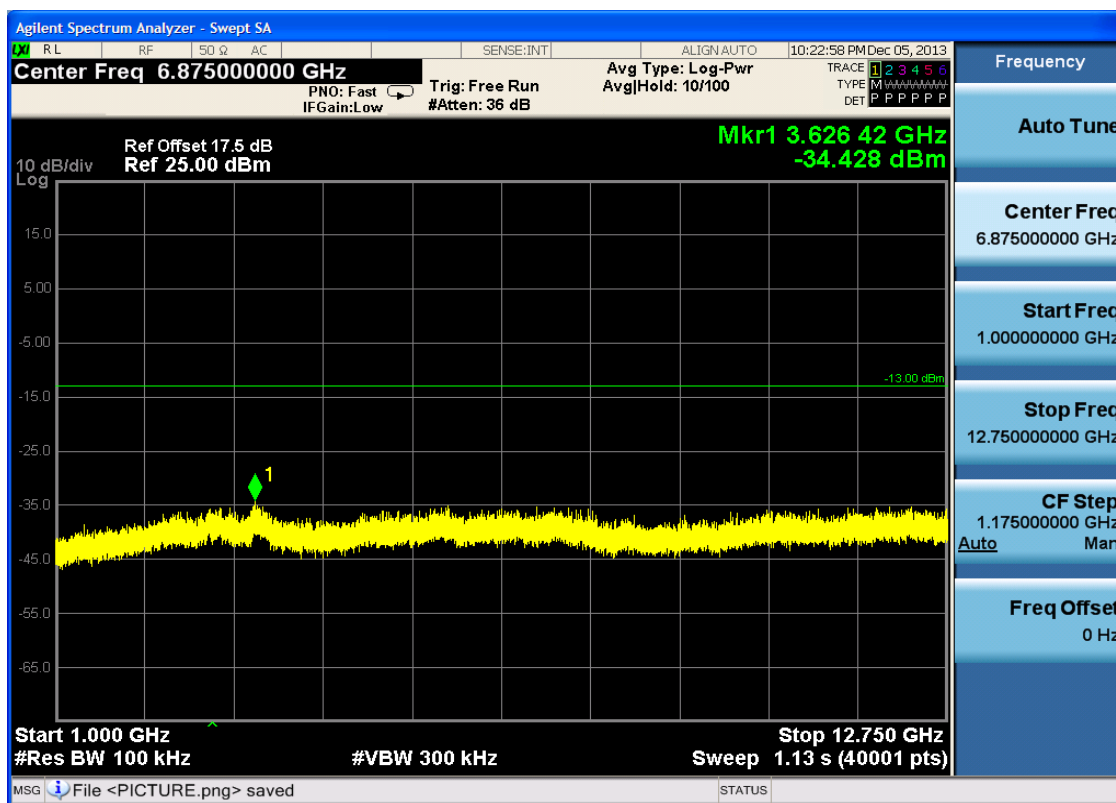


6.2.1.1.2 Test Channel = MCH

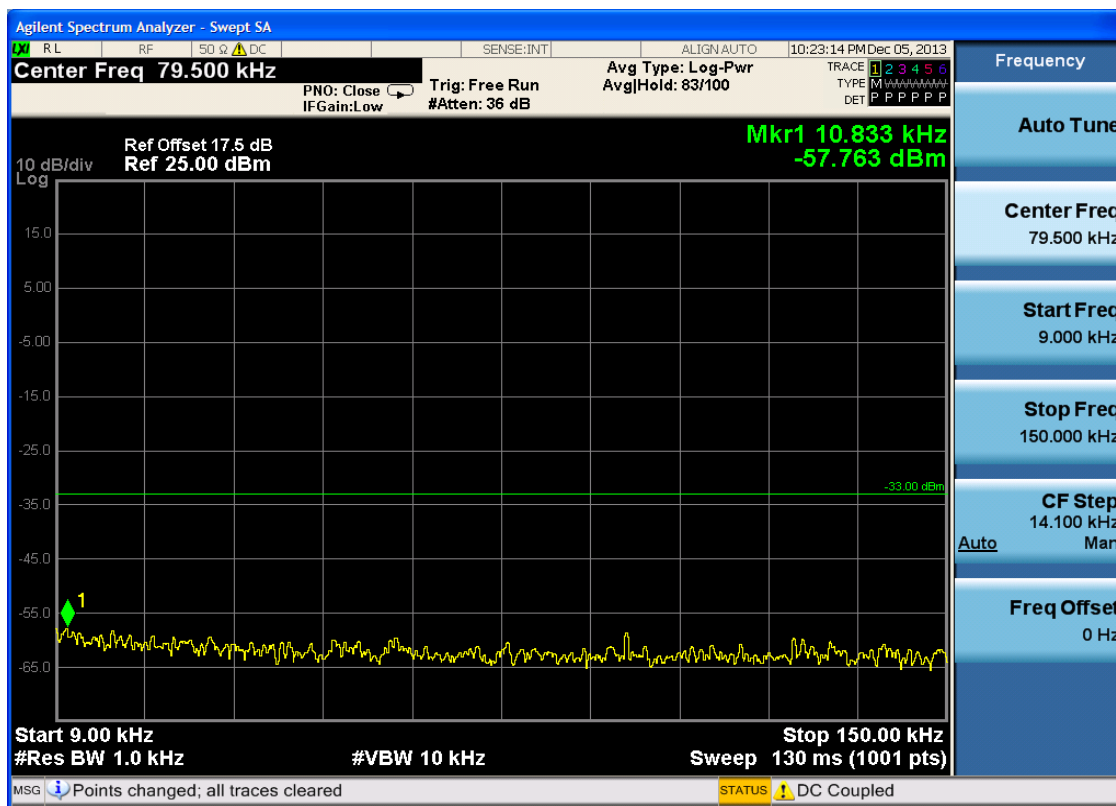


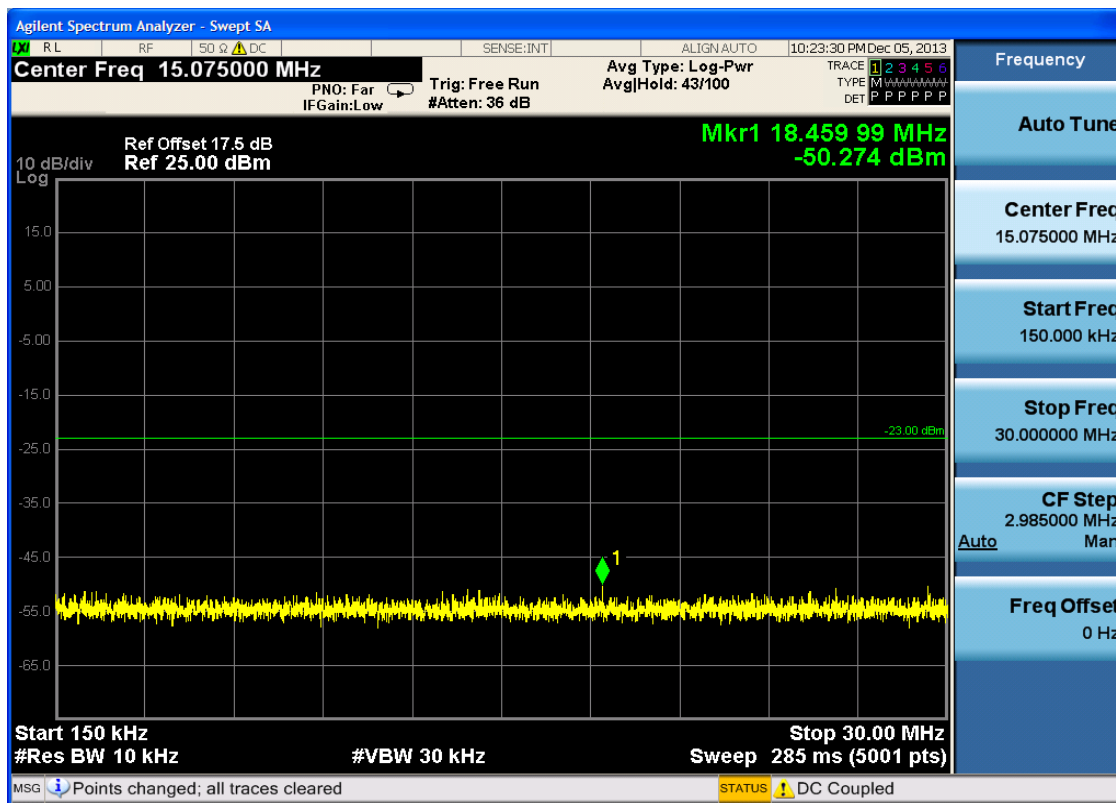


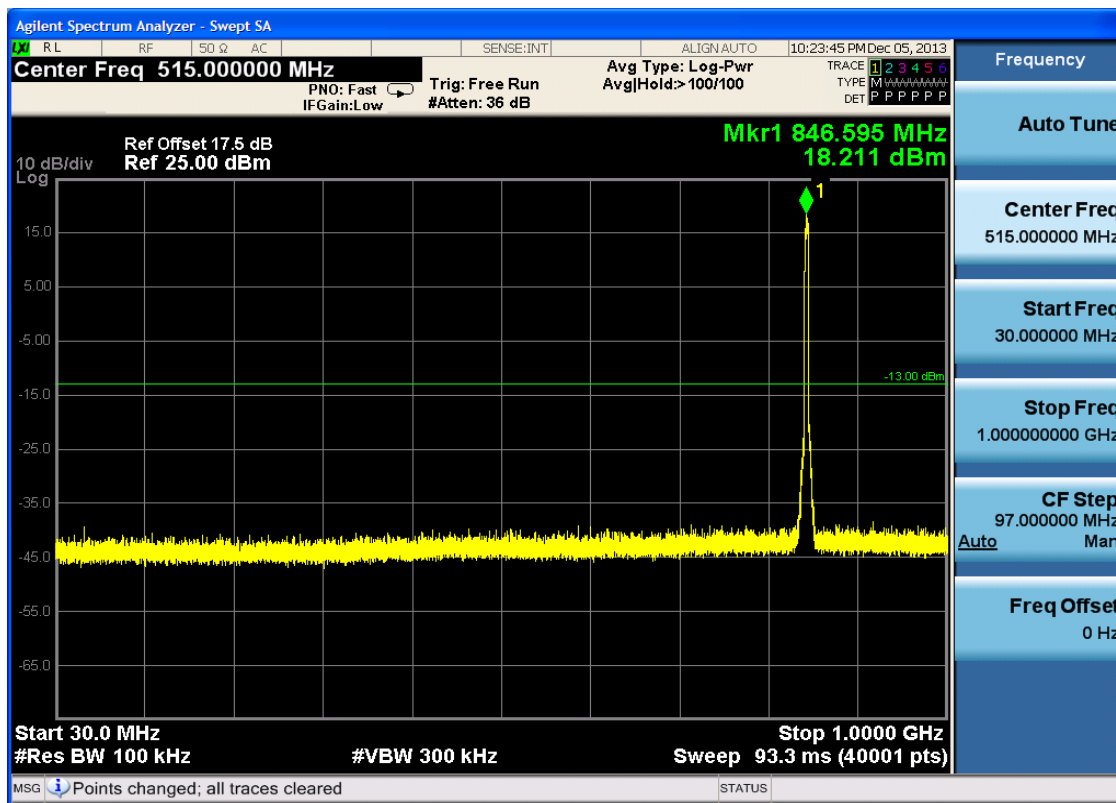


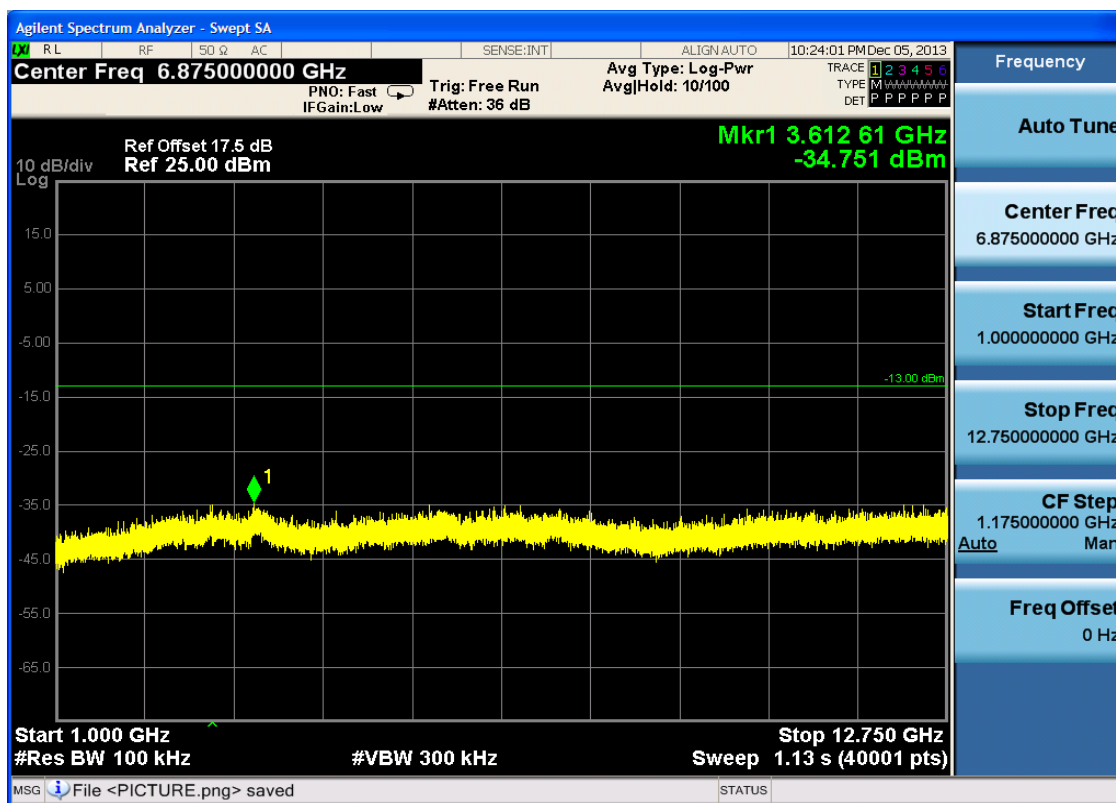


6.2.1.1.3 Test Channel = HCH





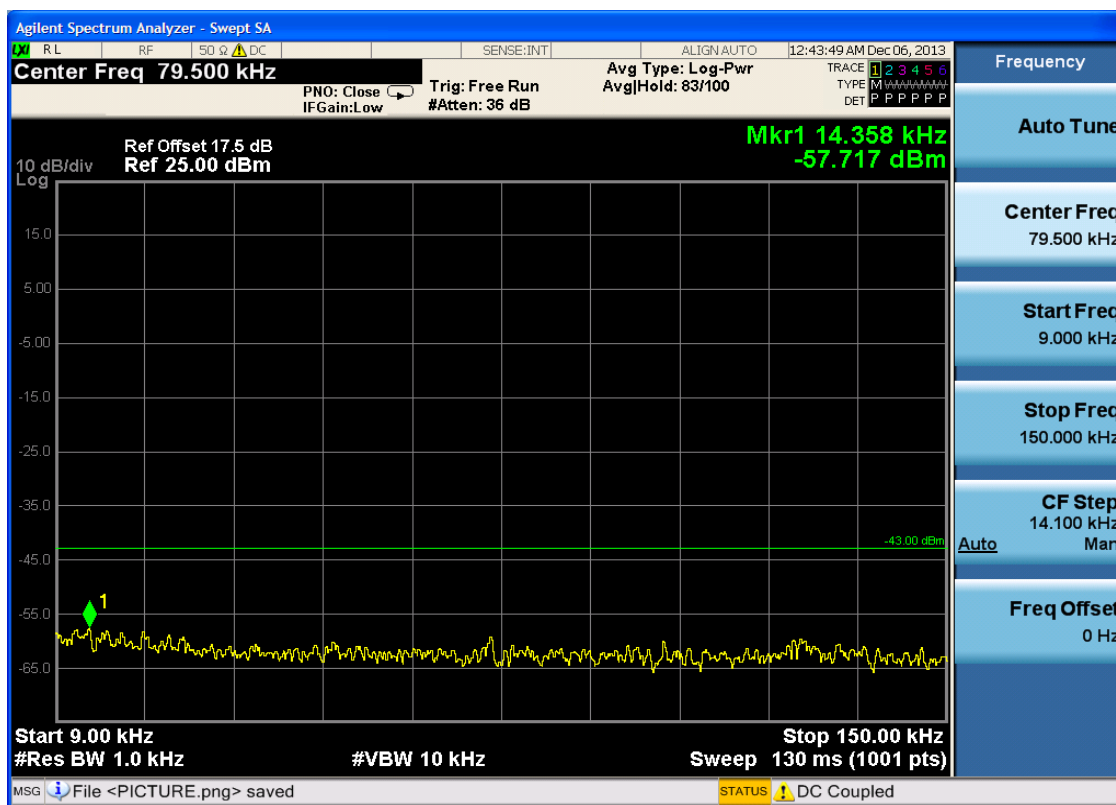


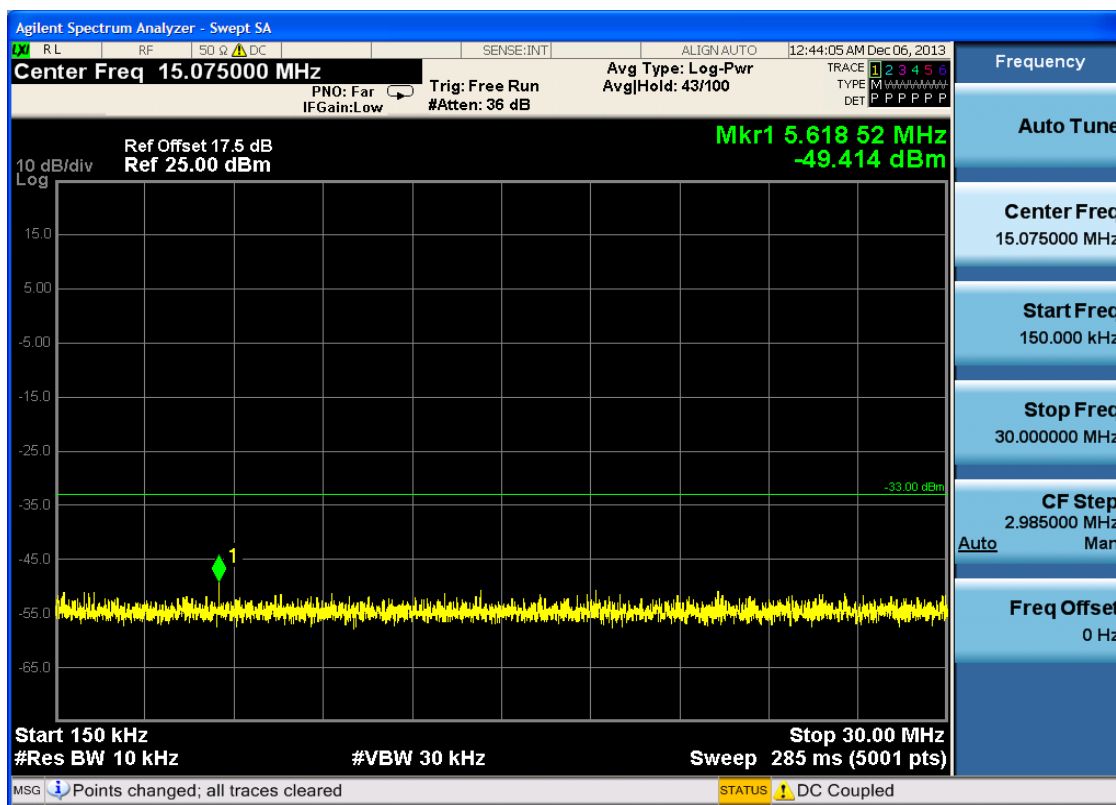


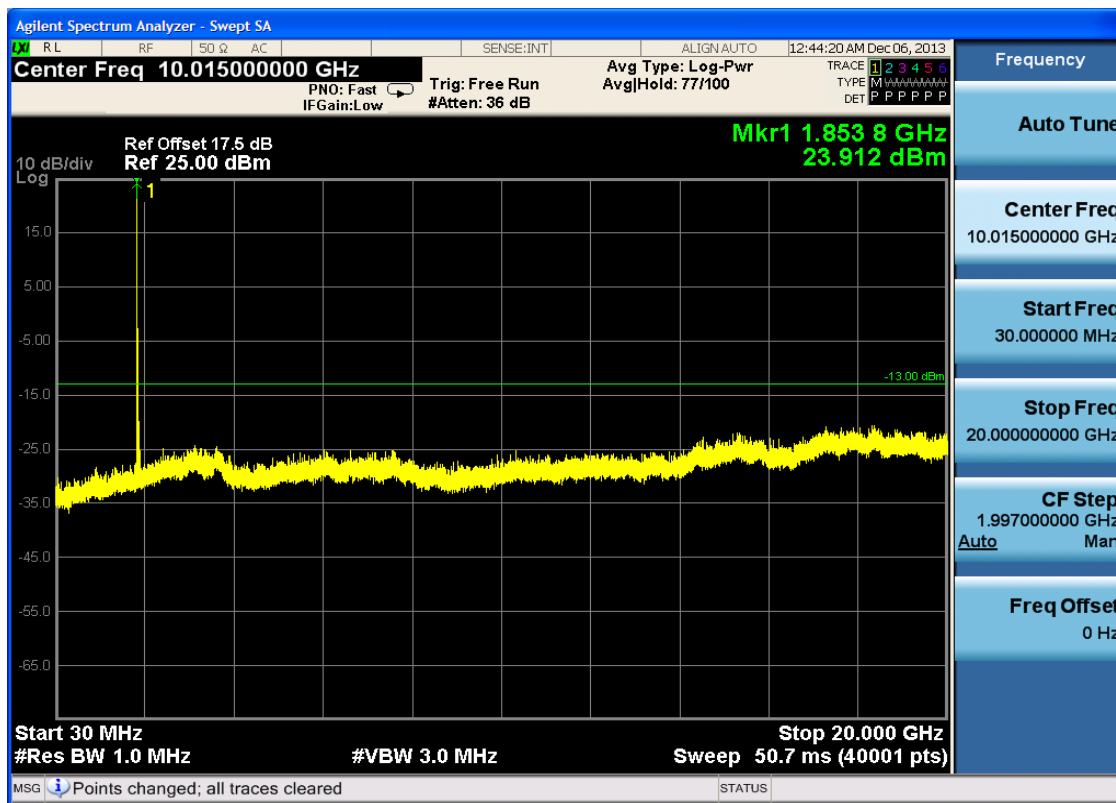
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

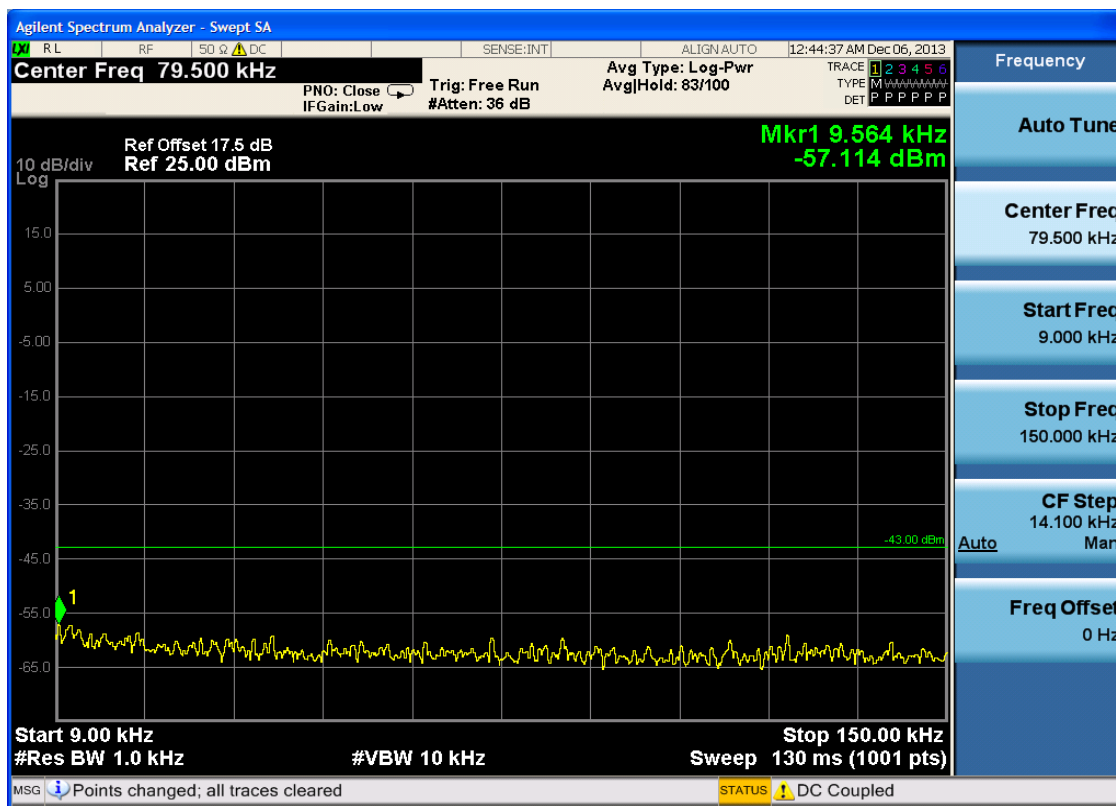


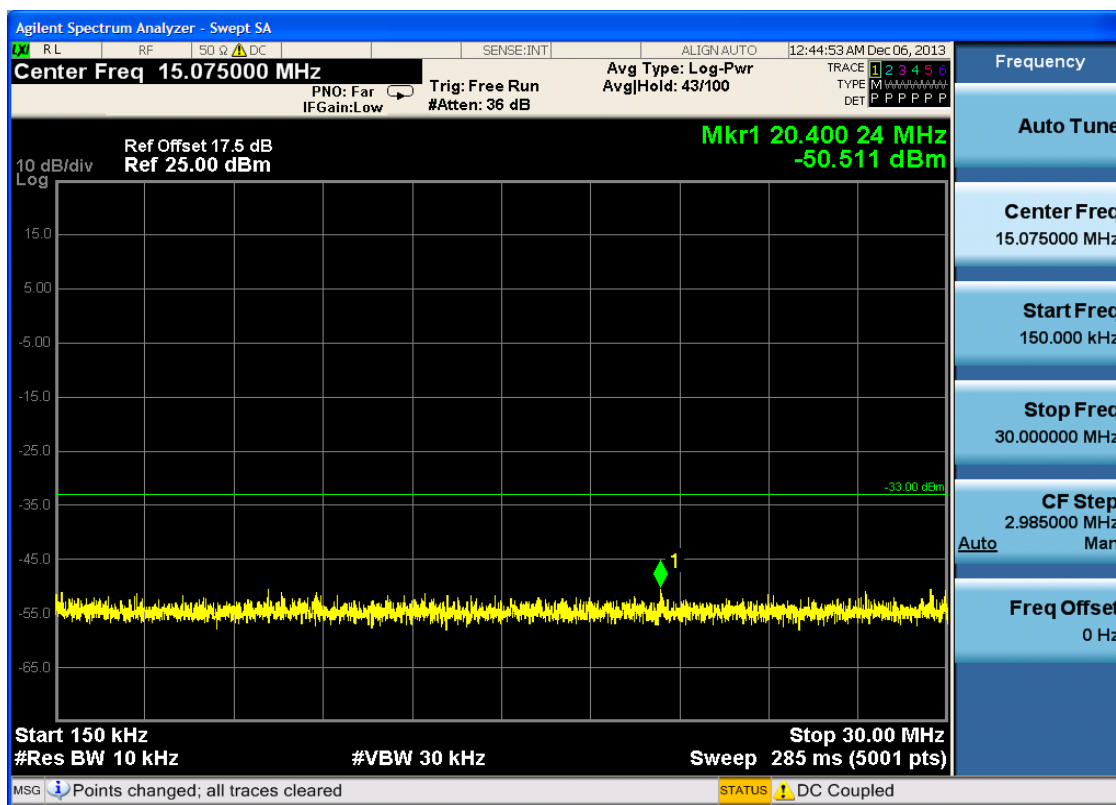


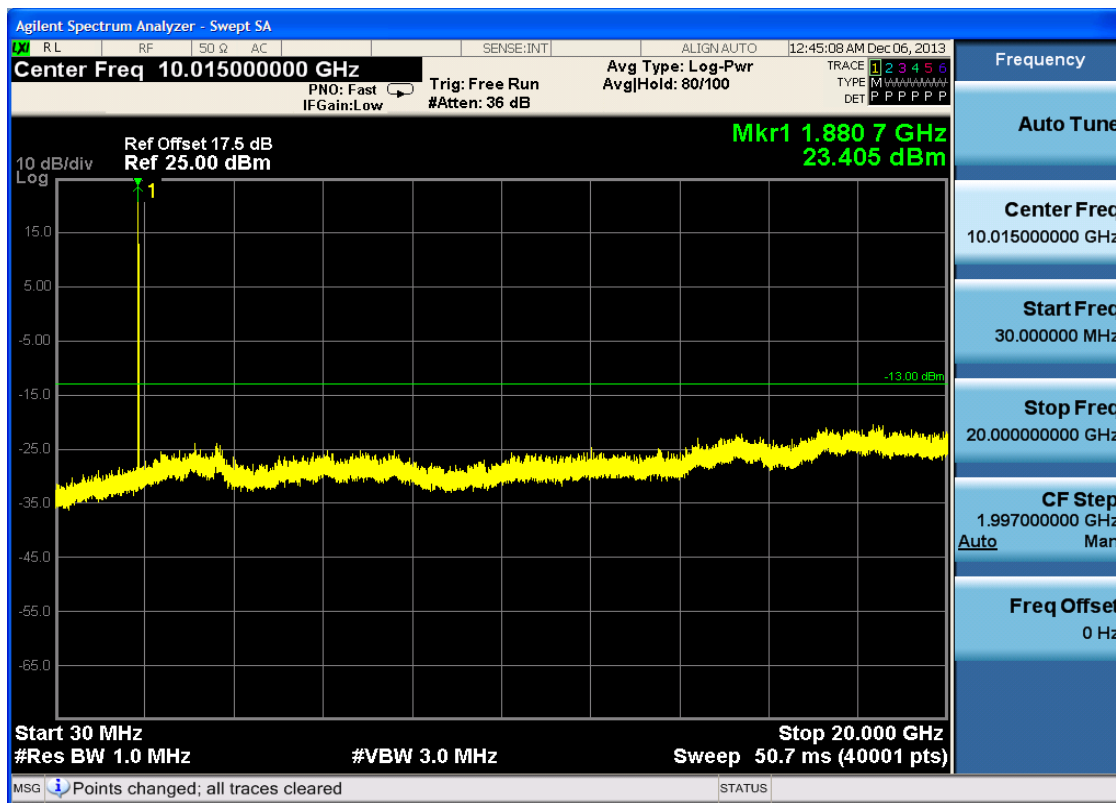




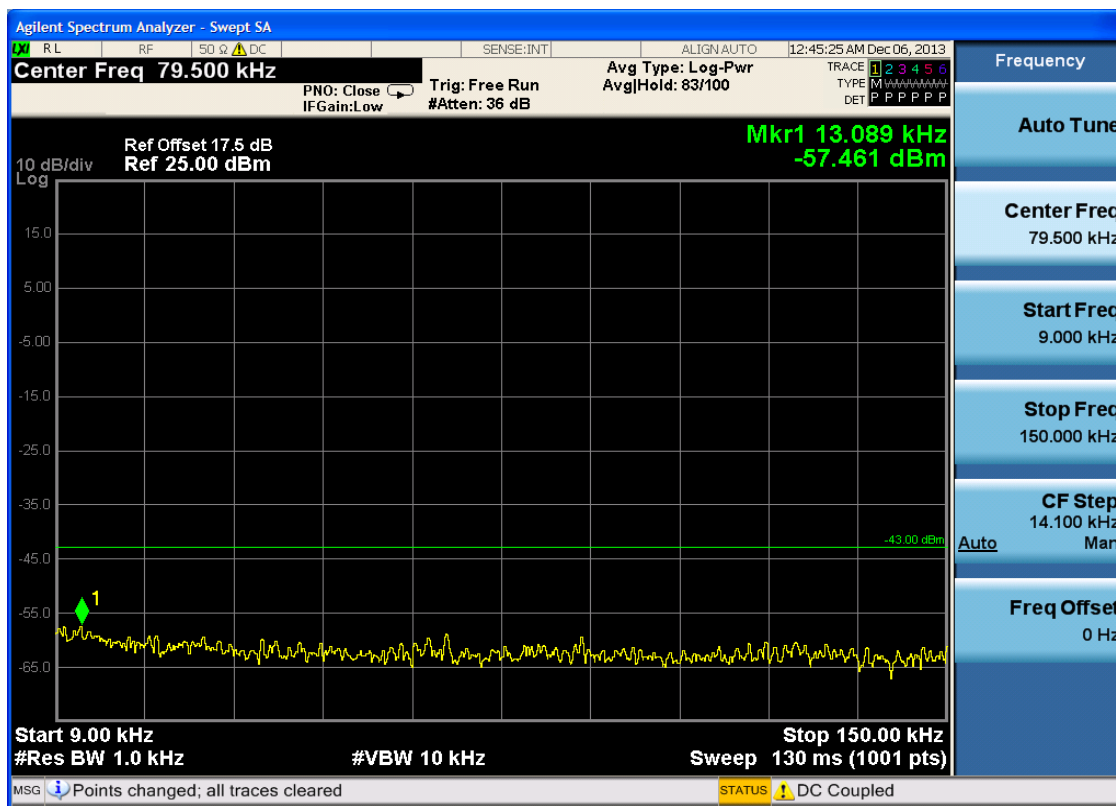
6.2.2.1.2 Test Channel = MCH

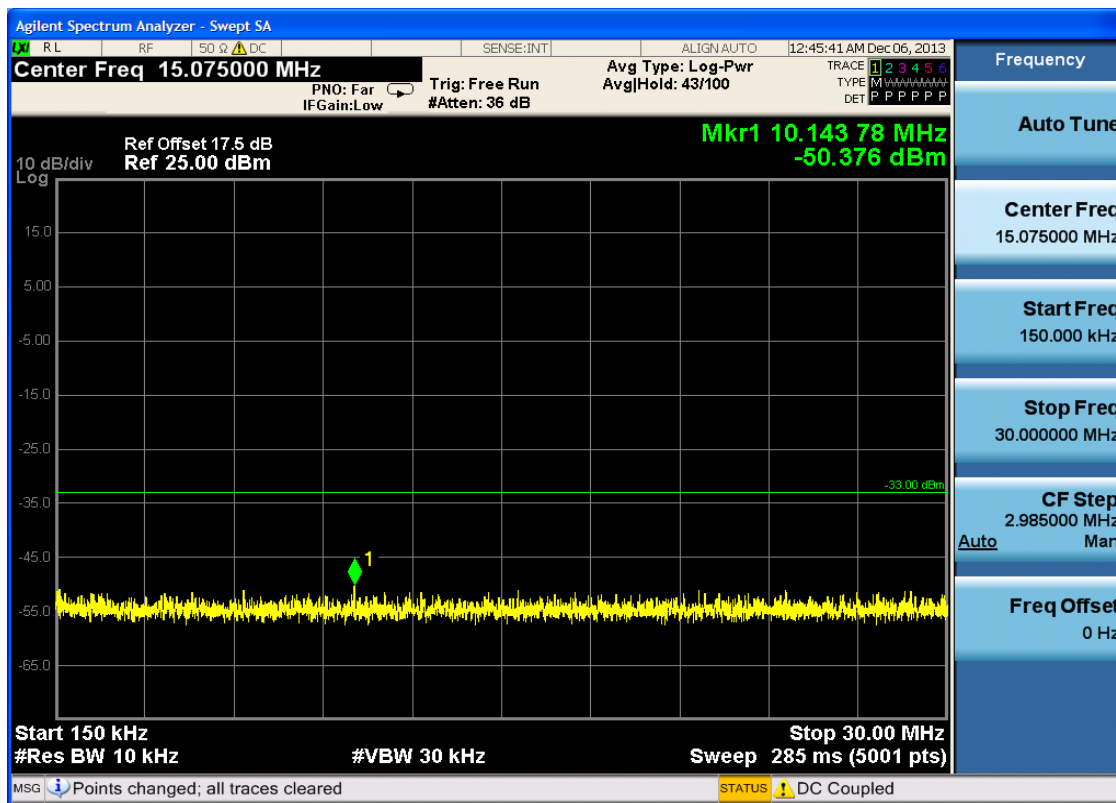


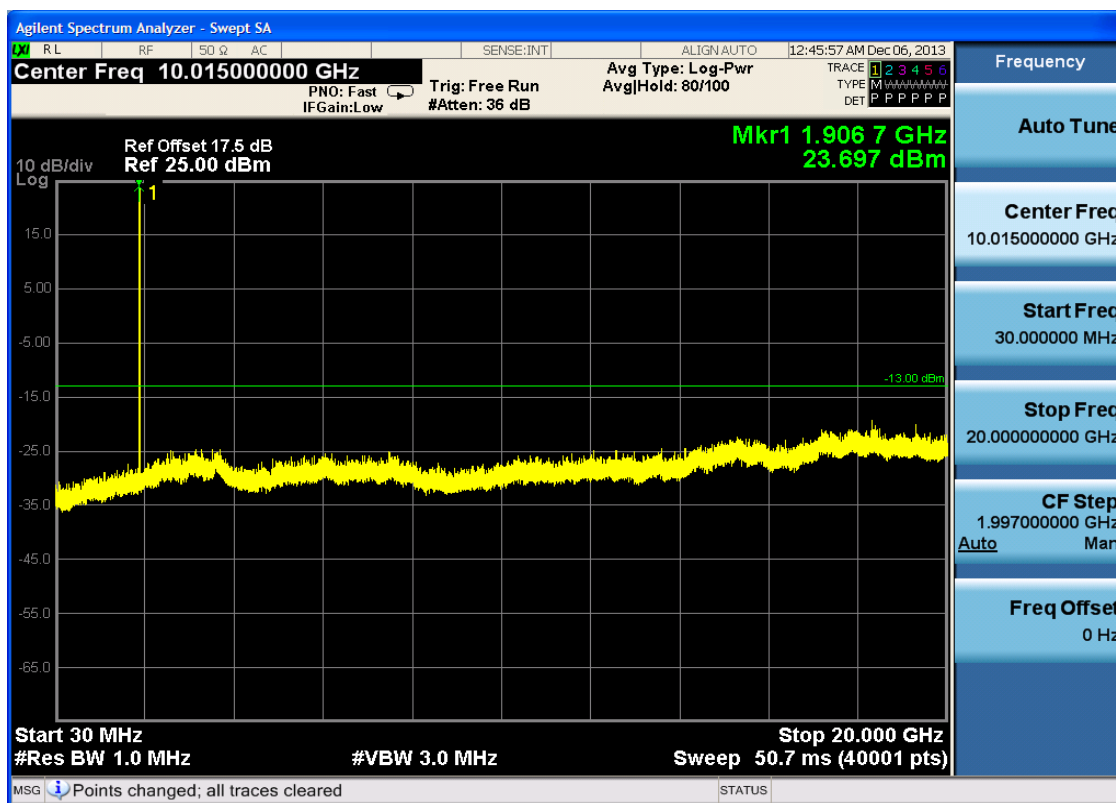




6.2.2.1.3 Test Channel = HCH







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

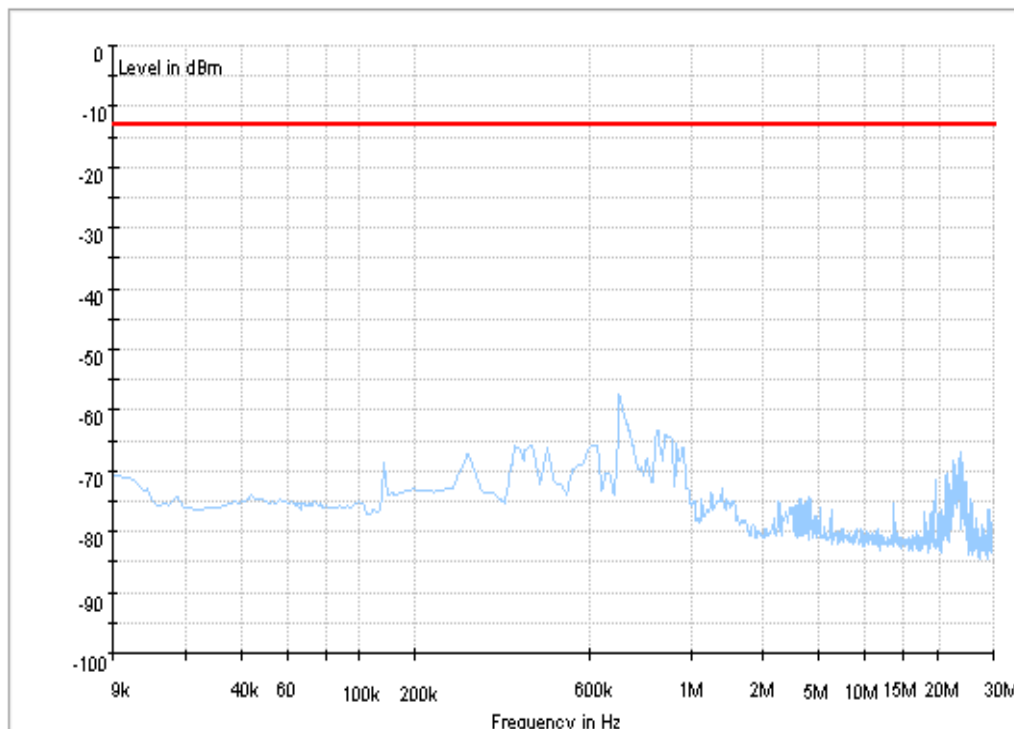
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

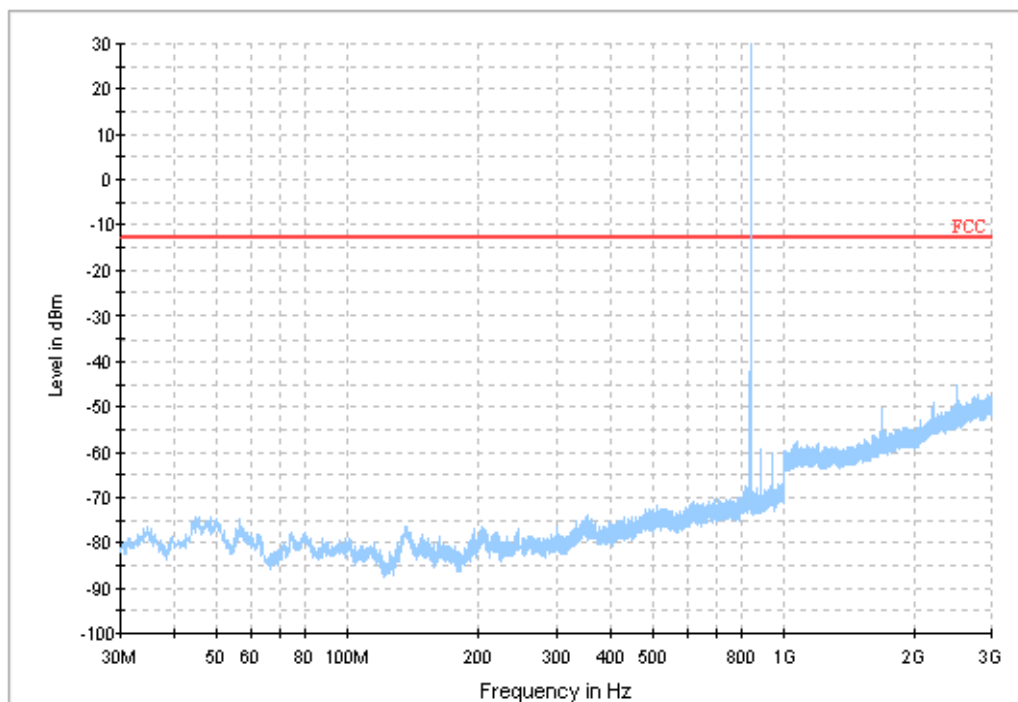
7.1 For GSM

7.1.1 Test Band = GSM850

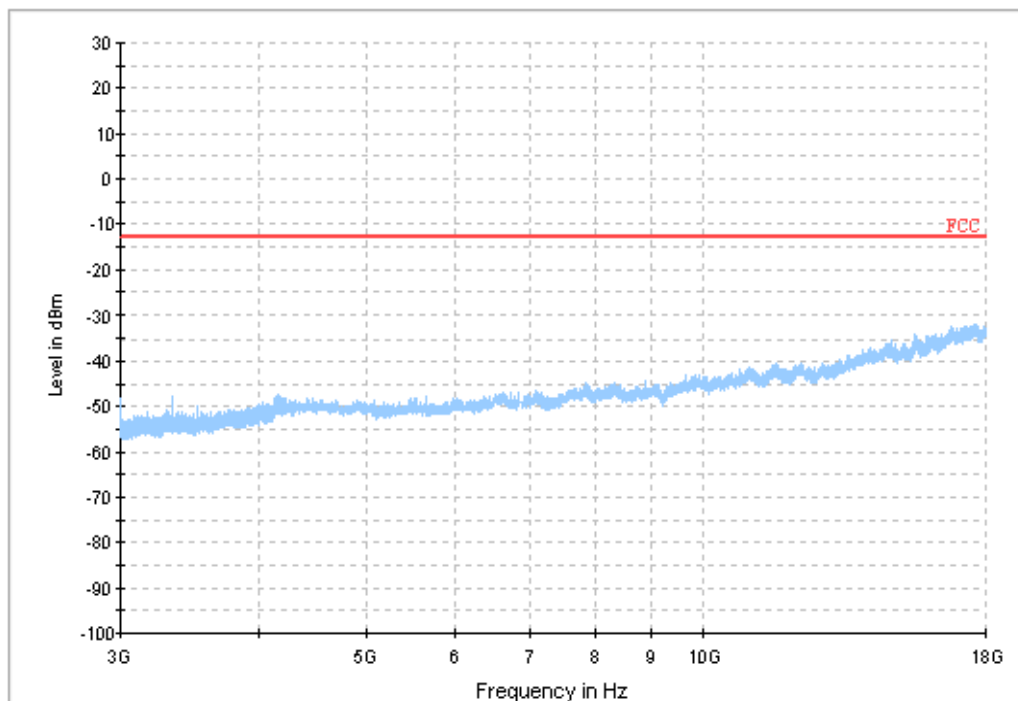
7.1.1.1 Test Mode = GSM/TM1



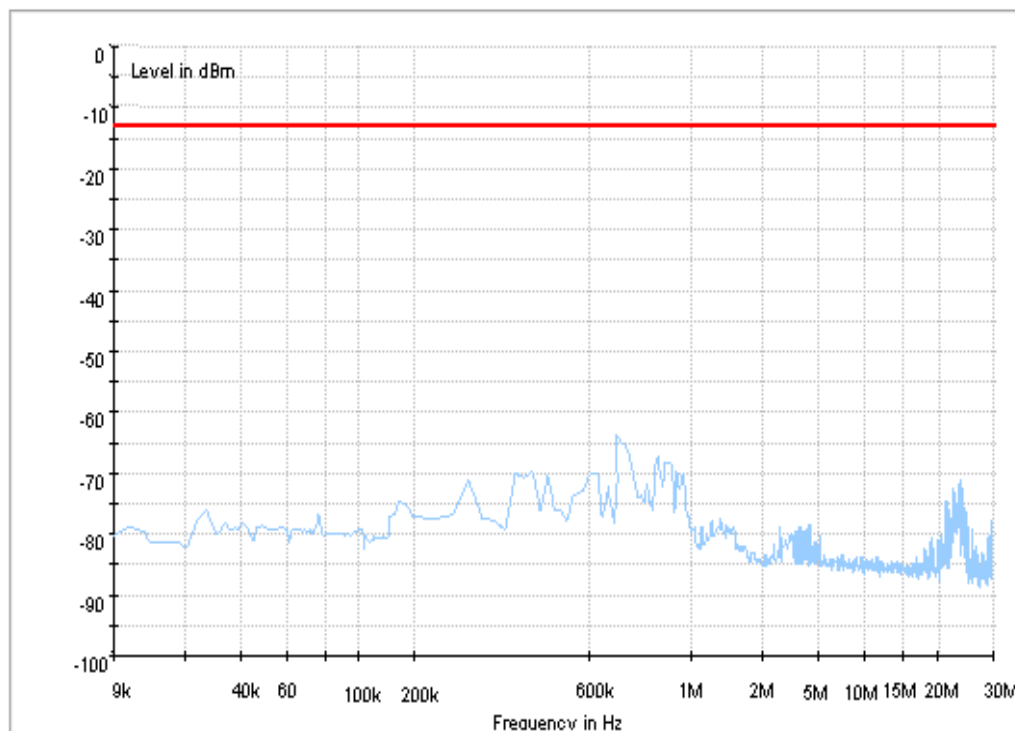
Copy of FCC PART22 GSM850_L



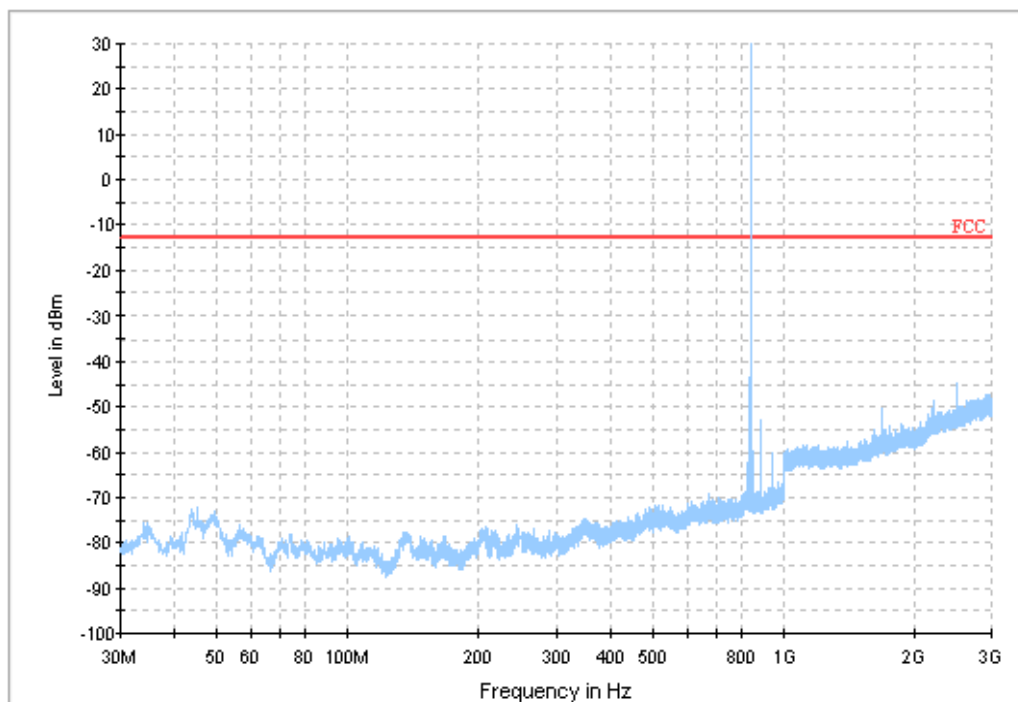
Copy of FCC PART22 GSM850_H



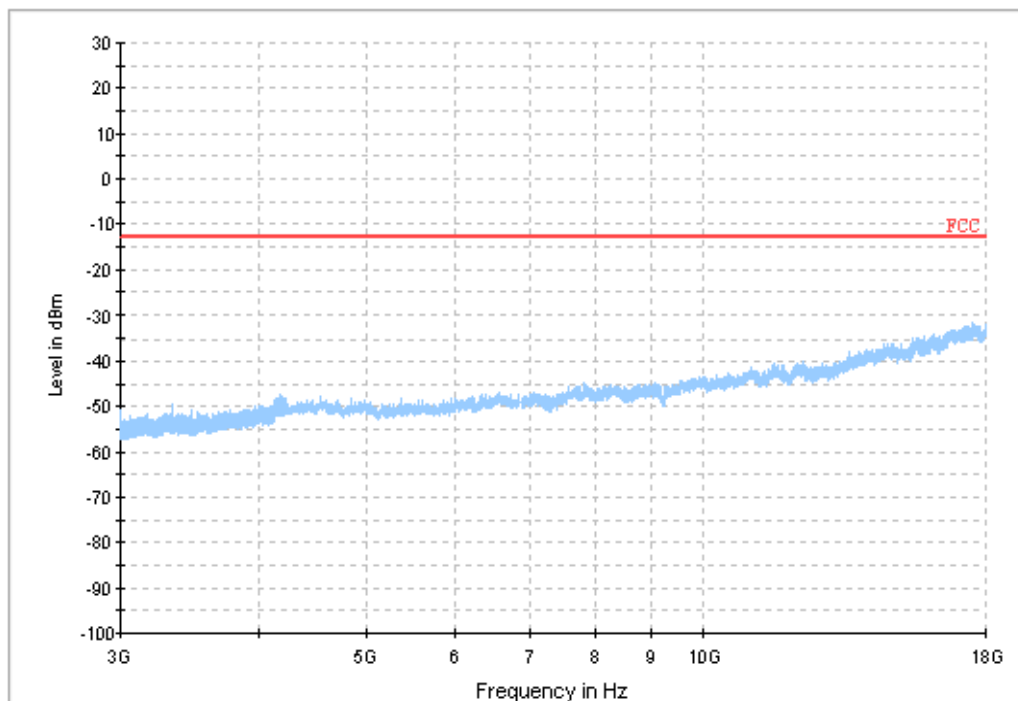
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

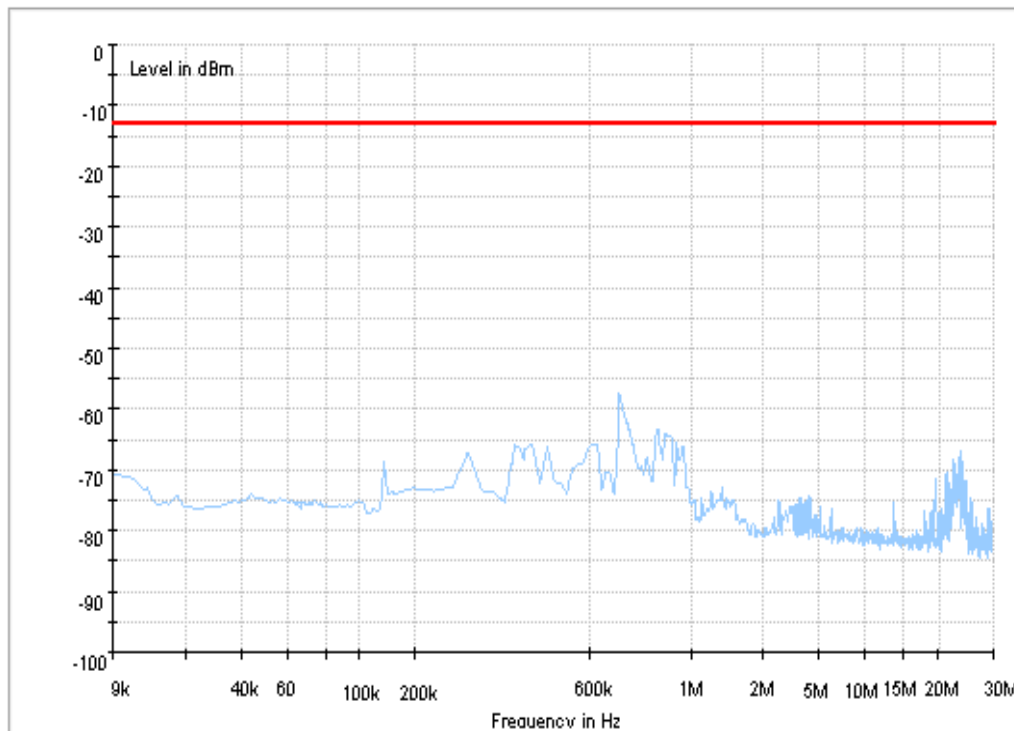


Copy of FCC PART22 GSM850_H

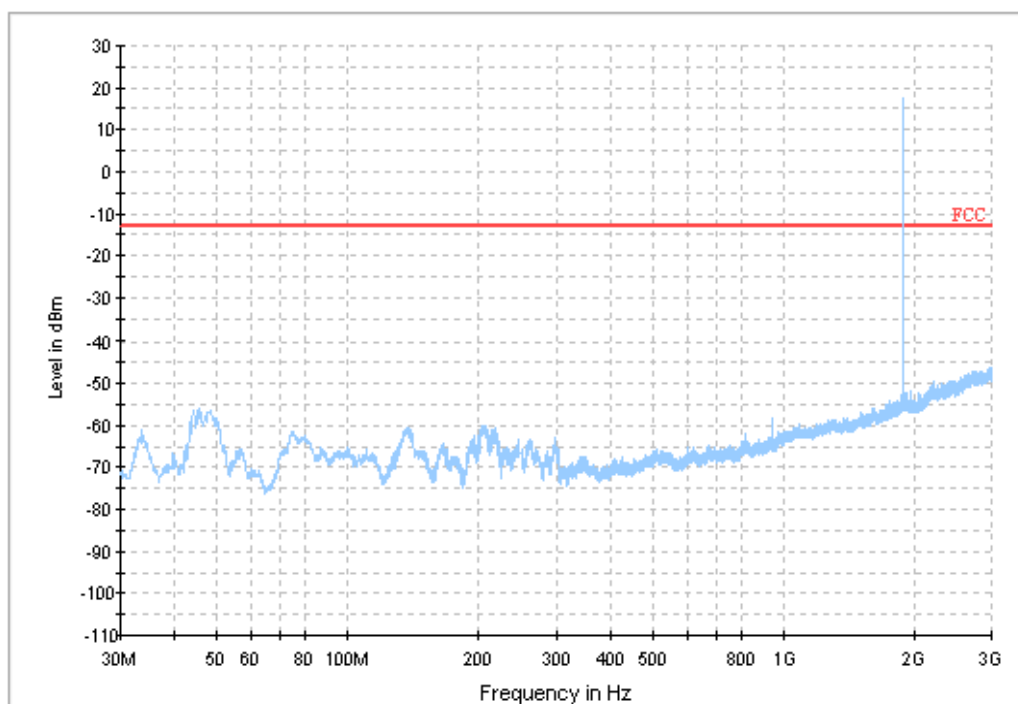


7.1.2 Test Band = GSM1900

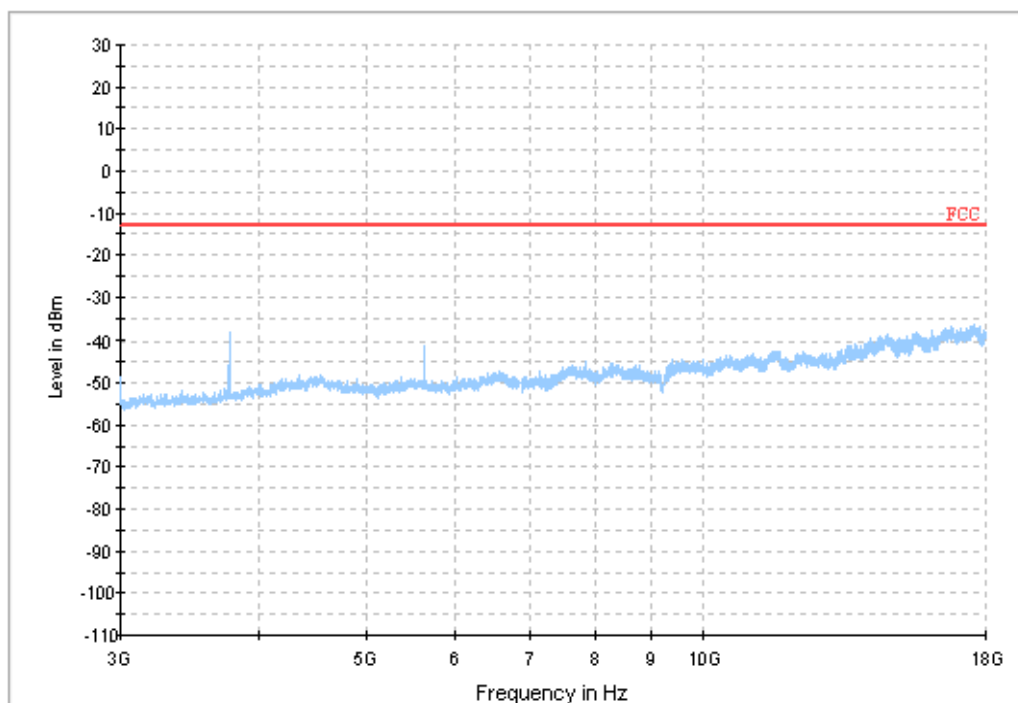
7.1.2.1 Test Mode = GSM/TM1

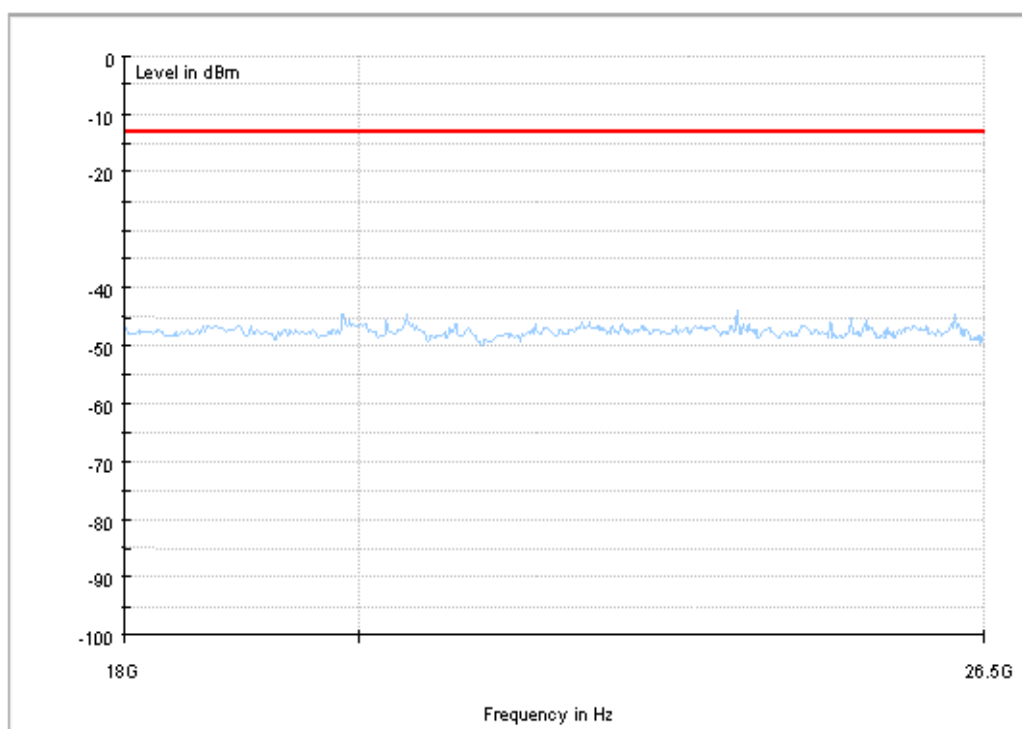


Copy of FCC PART24 GSM1900_L

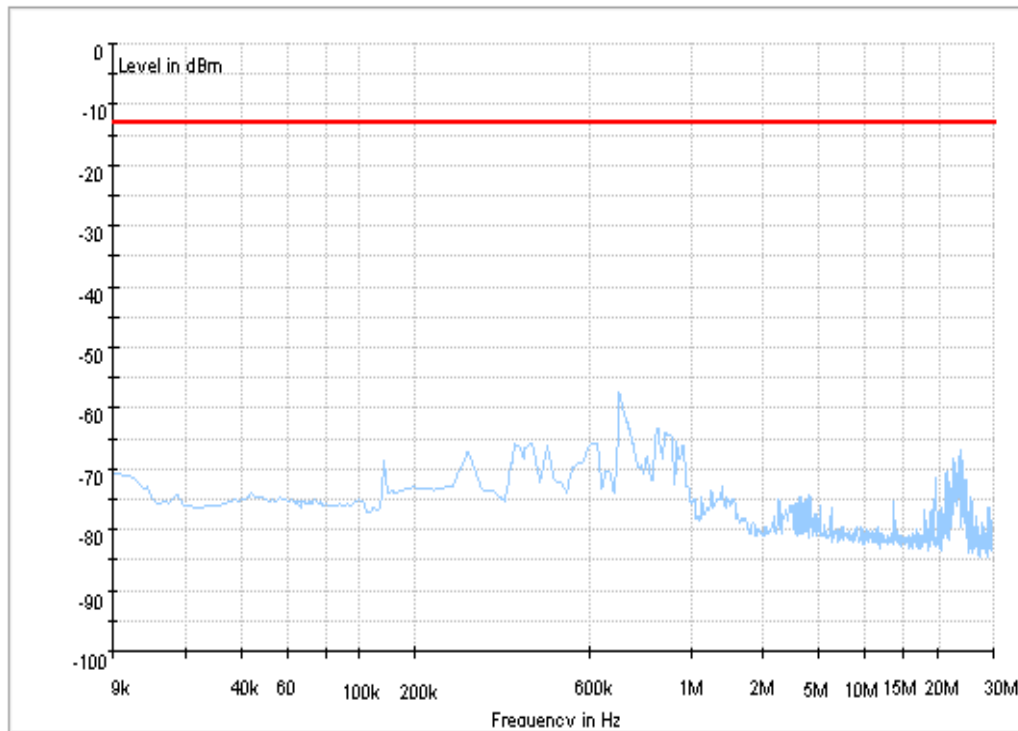


Copy of FCC PART24 GSM1900_H

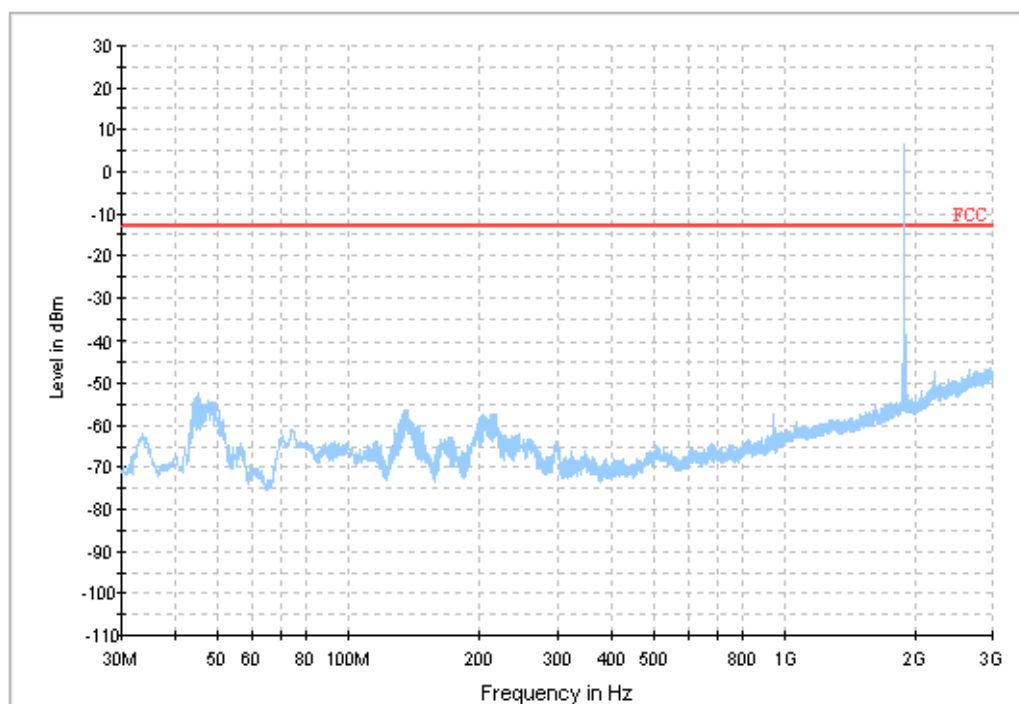




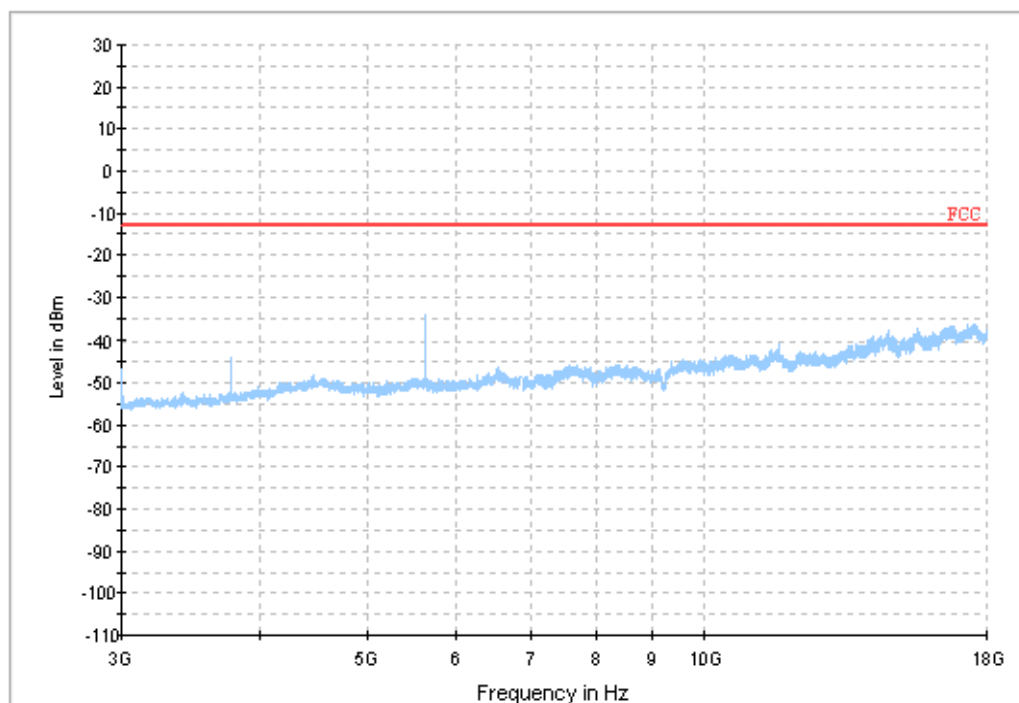
7.1.2.2 Test Mode = GSM/TM2

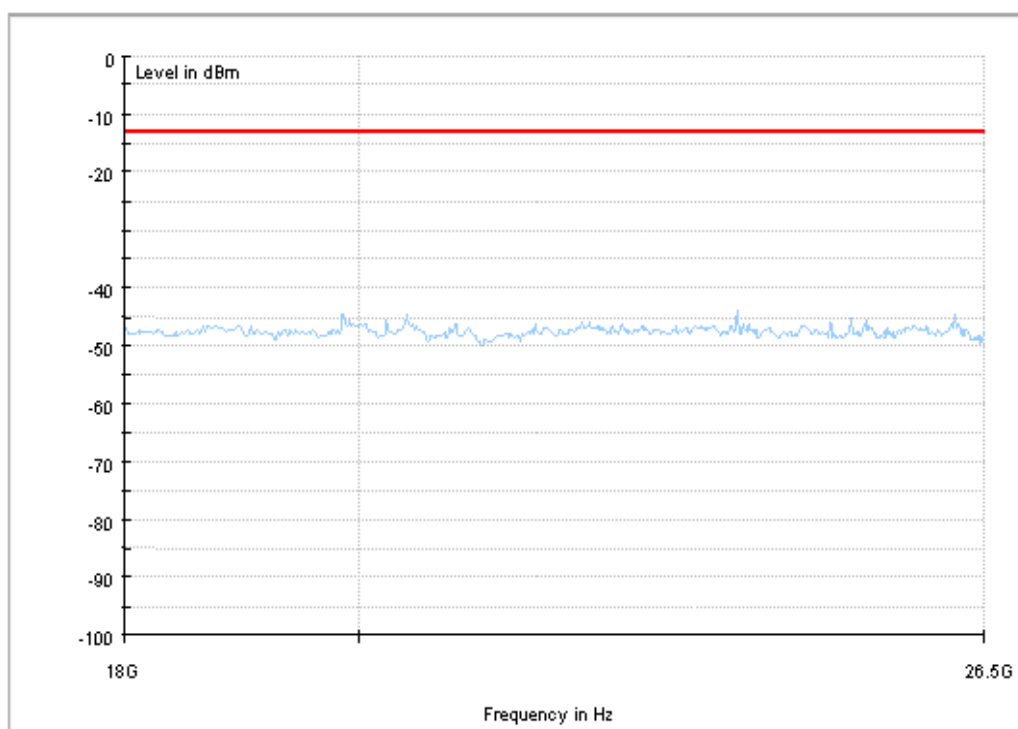


Copy of FCC PART24 GSM1900_L



Copy of FCC PART24 GSM1900_H

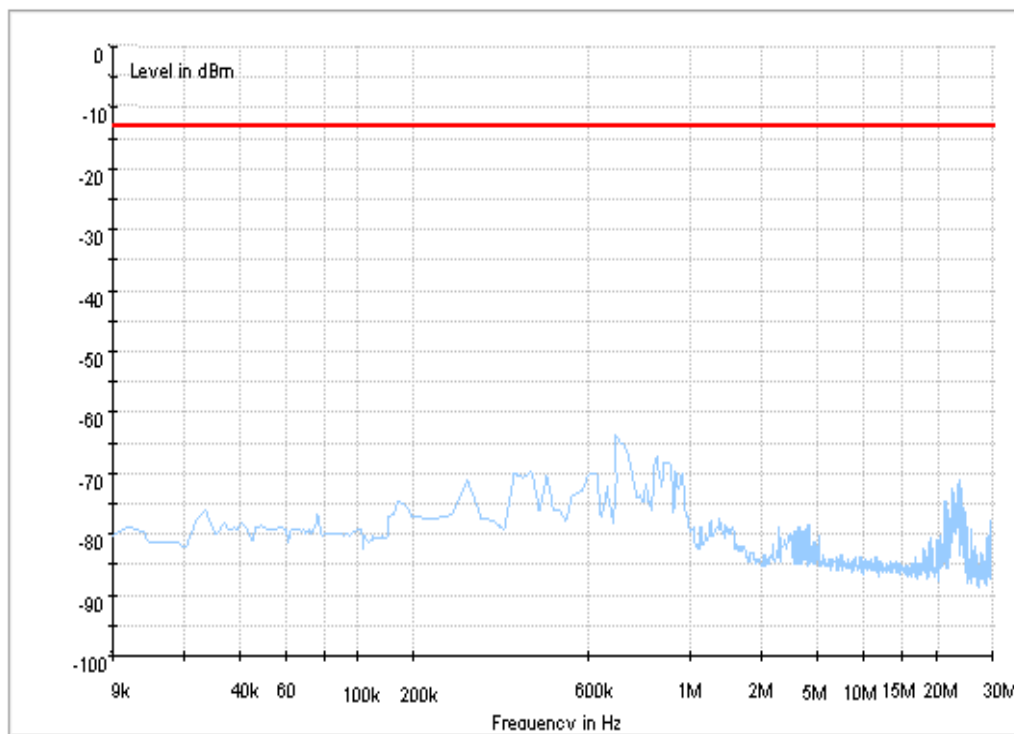




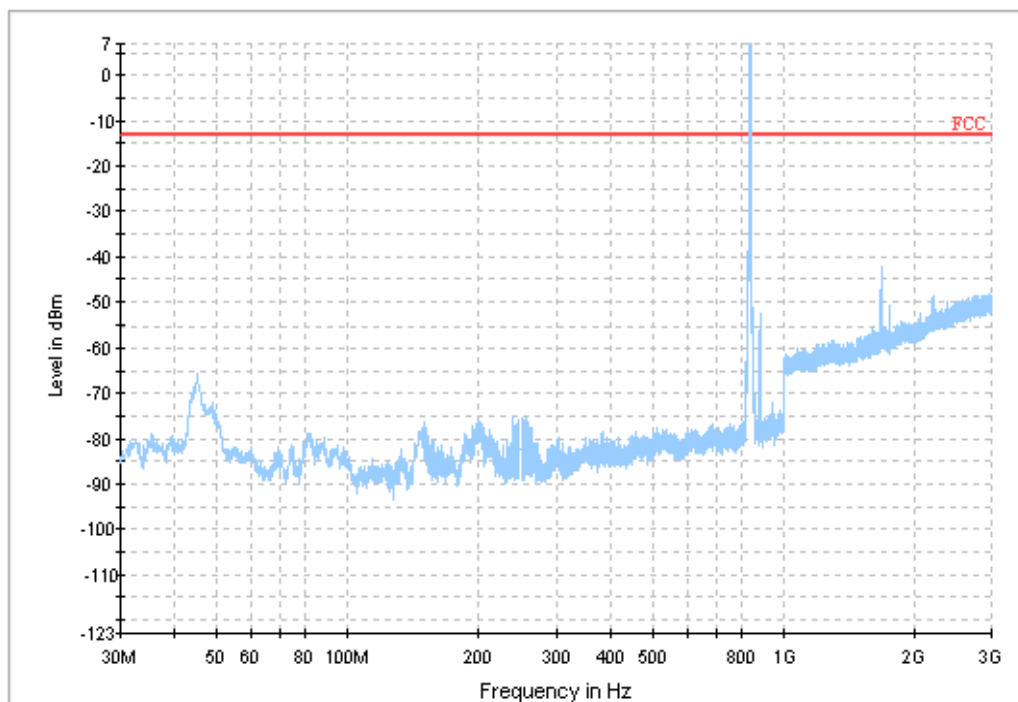
7.2 For UMTS

7.2.1 Test Band = WCDMA850

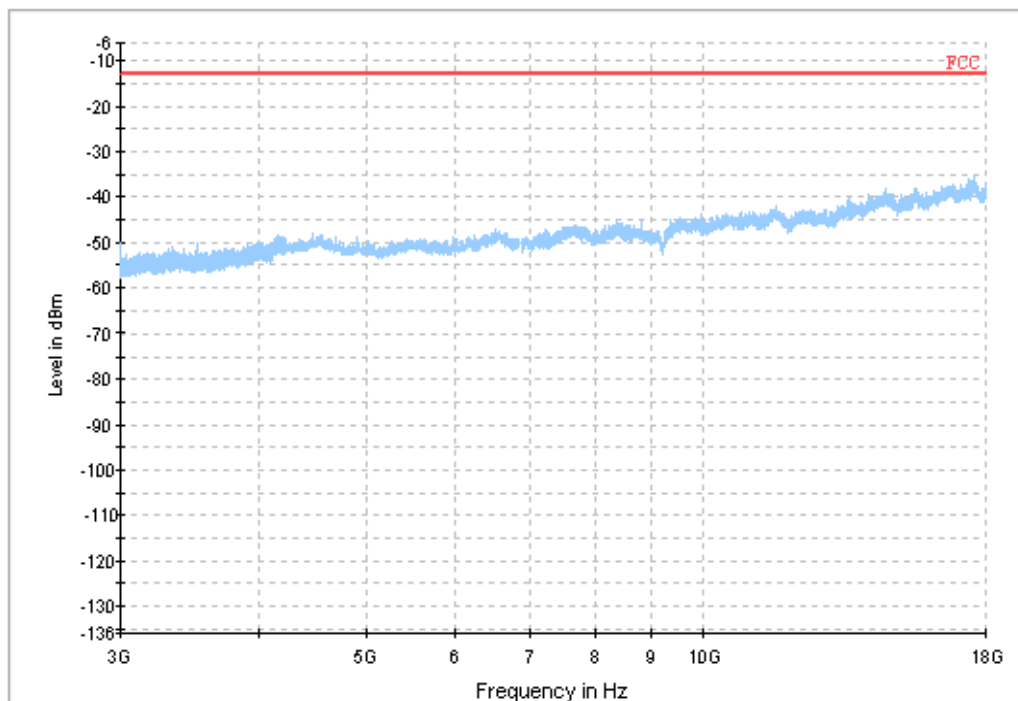
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

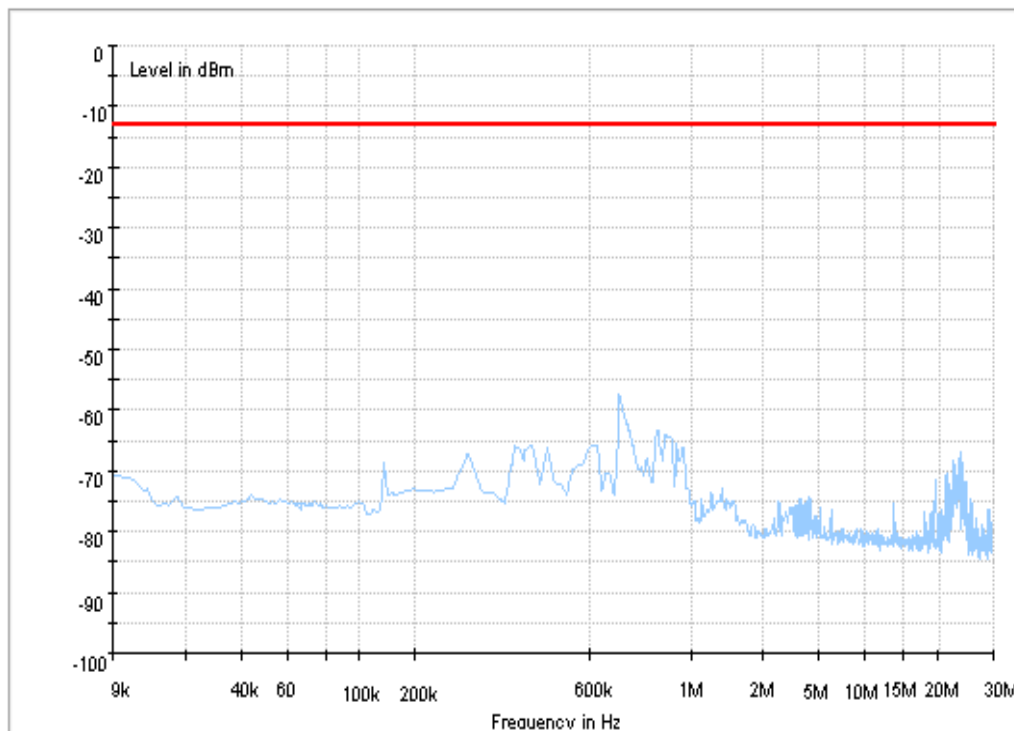


Copy of FCC PART22 WCDMA850_H

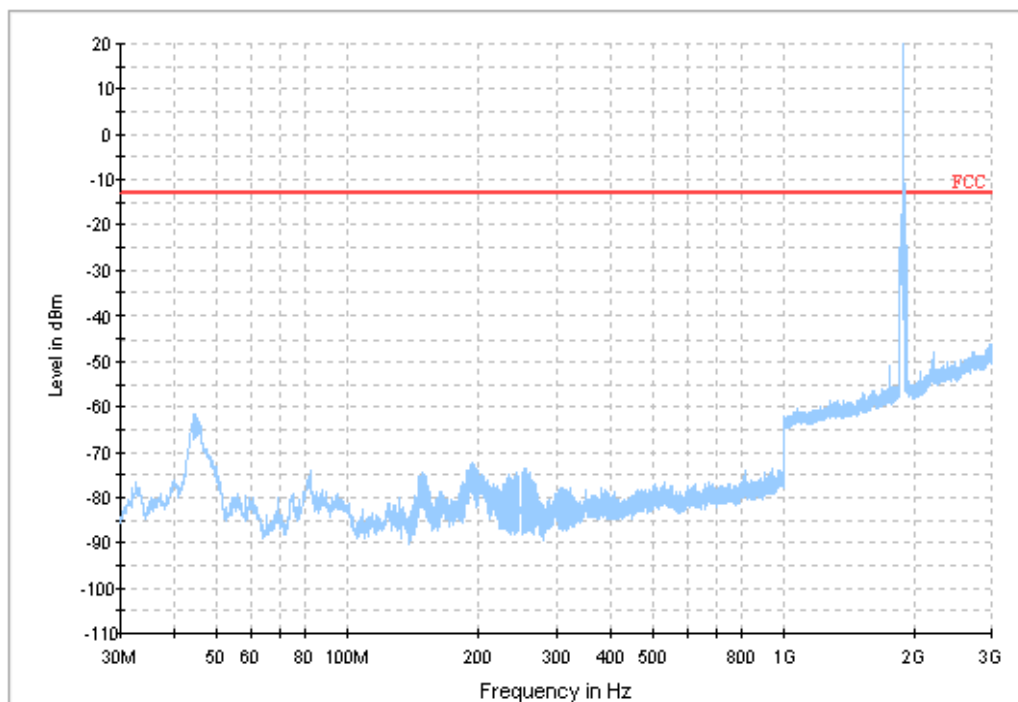


7.2.2 Test Band = WCDMA1900

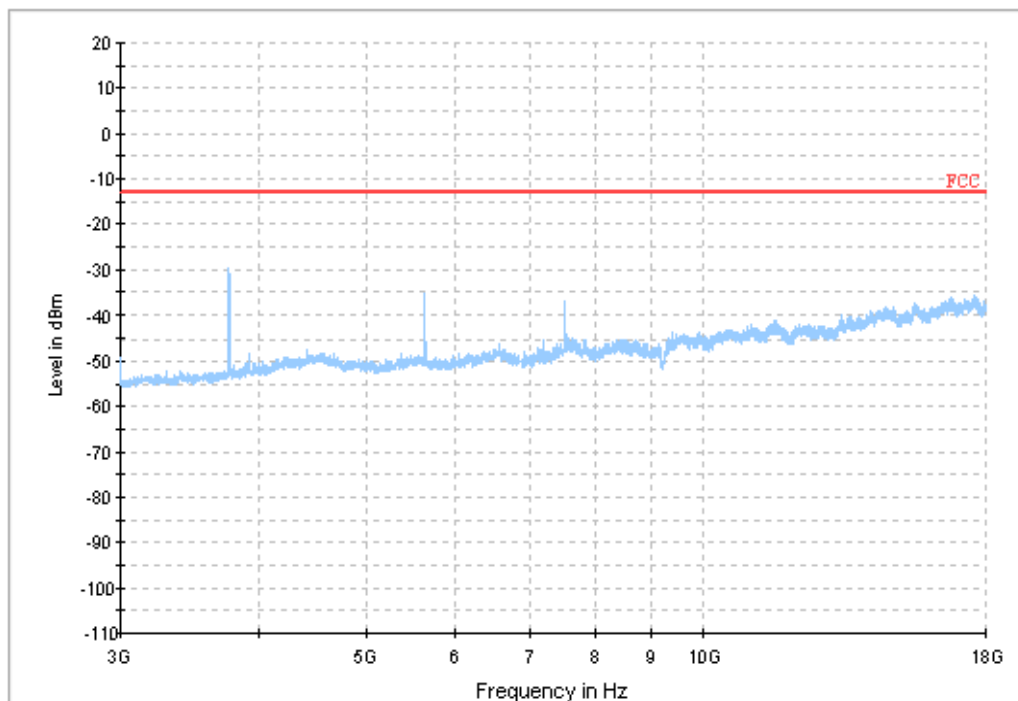
7.2.2.1 Test Mode = UMTS/TM1

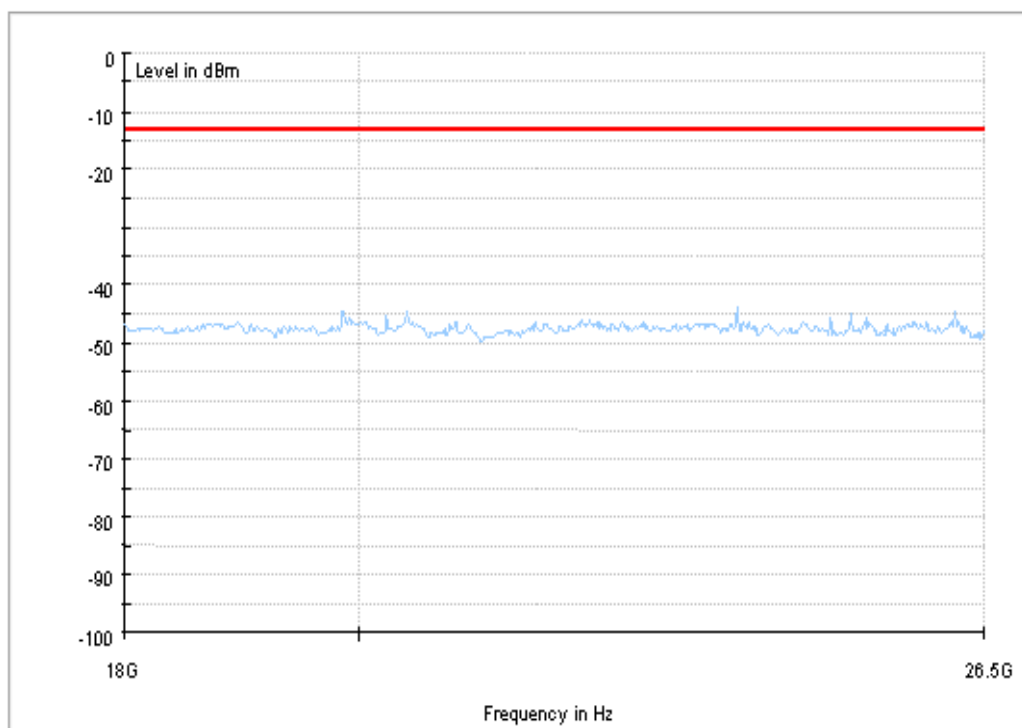


Copy of FCC PART24 WCDMA1900_L



Copy of FCC PART24 WCDMA1900_H





8Appendix_H: Frequency Stability

8.1 For GSM

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-14.72	-0.01786	PASS
				VN	-9.56	-0.0116	PASS
				VH	-13.69	-0.01661	PASS
		MCH	TN	VL	-9.04	-0.01081	PASS
				VN	-6.07	-0.00726	PASS
				VH	-8.07	-0.00965	PASS
		HCH	TN	VL	-9.04	-0.01065	PASS
				VN	-10.20	-0.01202	PASS
				VH	-9.43	-0.01111	PASS
	GSM/TM2	LCH	TN	VL	-3.55	-0.00431	PASS
				VN	-9.62	-0.01167	PASS
				VH	-8.72	-0.01058	PASS
		MCH	TN	VL	-12.17	-0.01455	PASS
				VN	-10.40	-0.01243	PASS
				VH	-8.01	-0.00957	PASS
		HCH	TN	VL	-12.20	-0.01437	PASS
				VN	-8.10	-0.00954	PASS
				VH	-13.04	-0.01536	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-10.91	-0.0059	PASS
				VN	3.55	0.00192	PASS
				VH	-0.97	-0.00052	PASS
		MCH	TN	VL	12.33	0.00656	PASS
				VN	13.82	0.00735	PASS
				VH	17.37	0.00924	PASS
		HCH	TN	VL	1.87	0.00098	PASS
				VN	-4.65	-0.00243	PASS
				VH	0.97	0.00051	PASS
	GSM/TM2	LCH	TN	VL	-15.92	-0.0086	PASS
				VN	-20.76	-0.01122	PASS
				VH	-3.81	-0.00206	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	0.71	0.00038	PASS
				VN	-0.16	-0.00009	PASS
				VH	8.68	0.00462	PASS
		HCH	TN	VL	-4.84	-0.00253	PASS
				VN	1.87	0.00098	PASS
				VH	5.97	0.00313	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-13.62	-0.01653	PASS
				-20	-15.05	-0.01826	PASS
				-10	-15.17	-0.01841	PASS
				0	-13.75	-0.01668	PASS
				10	-8.65	-0.0105	PASS
				20	-13.95	-0.01693	PASS
				30	-8.91	-0.01081	PASS
				40	-14.21	-0.01724	PASS
				50	-11.17	-0.01355	PASS
		MCH	VN	-30	-5.36	-0.00641	PASS
				-20	-5.94	-0.0071	PASS
				-10	-4.52	-0.0054	PASS
				0	-9.56	-0.01143	PASS
				10	-8.20	-0.0098	PASS
				20	-14.33	-0.01713	PASS
				30	-7.04	-0.00842	PASS
				40	-10.53	-0.01259	PASS
				50	-10.27	-0.01228	PASS
		HCH	VN	-30	-11.82	-0.01393	PASS
				-20	-11.69	-0.01377	PASS
				-10	-10.59	-0.01248	PASS
				0	-17.63	-0.02077	PASS
				10	-8.91	-0.0105	PASS
				20	-13.95	-0.01643	PASS
				30	-11.49	-0.01354	PASS
				40	-10.14	-0.01195	PASS
				50	-9.88	-0.01164	PASS
	GSM/TM2	LCH	VN	-30	-14.79	-0.01794	PASS
				-20	-8.27	-0.01003	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	-11.17	-0.01355	PASS
				0	-14.75	-0.0179	PASS
				10	-16.24	-0.0197	PASS
				20	-15.50	-0.01881	PASS
				30	-13.14	-0.01594	PASS
				40	-13.98	-0.01696	PASS
				50	-13.04	-0.01582	PASS
		MCH	VN	-30	-17.95	-0.02146	PASS
				-20	-13.92	-0.01664	PASS
				-10	-13.75	-0.01644	PASS
				0	-13.50	-0.01614	PASS
				10	-7.39	-0.00883	PASS
				20	-8.20	-0.0098	PASS
				30	-11.78	-0.01408	PASS
				40	-10.46	-0.0125	PASS
				50	-11.07	-0.01323	PASS
		HCH	VN	-30	-9.65	-0.01137	PASS
				-20	-10.04	-0.01183	PASS
				-10	-12.40	-0.01461	PASS
				0	-12.43	-0.01464	PASS
				10	-10.23	-0.01205	PASS
				20	-5.88	-0.00693	PASS
				30	-9.17	-0.0108	PASS
				40	-6.07	-0.00715	PASS
				50	-5.71	-0.00673	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-1.68	-0.00091	PASS
				-20	-7.81	-0.00422	PASS
				-10	-11.17	-0.00604	PASS
				0	-10.40	-0.00562	PASS
				10	-3.36	-0.00182	PASS
				20	-5.81	-0.00314	PASS
				30	-10.59	-0.00572	PASS
				40	-3.62	-0.00196	PASS
				50	2.32	0.00125	PASS
		MCH	VN	-30	10.59	0.00563	PASS
				-20	10.40	0.00553	PASS
				-10	14.33	0.00762	PASS
				0	-0.06	-0.00003	PASS
				10	13.24	0.00704	PASS
				20	8.72	0.00464	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	17.82	0.00948	PASS
				40	6.72	0.00357	PASS
				50	8.52	0.00453	PASS
		HCH	VN	-30	1.61	0.00084	PASS
				-20	-0.19	-0.0001	PASS
				-10	1.42	0.00074	PASS
				0	2.32	0.00121	PASS
				10	9.49	0.00497	PASS
				20	-2.81	-0.00147	PASS
				30	-1.36	-0.00071	PASS
				40	-0.58	-0.0003	PASS
				50	-0.45	-0.00024	PASS
	GSM/TM2	LCH	VN	-30	-11.72	-0.00633	PASS
				-20	-18.95	-0.01024	PASS
				-10	-17.82	-0.00963	PASS
				0	-14.59	-0.00789	PASS
				10	-15.63	-0.00845	PASS
				20	-14.30	-0.00773	PASS
				30	-12.72	-0.00687	PASS
				40	-9.88	-0.00534	PASS
				50	-14.46	-0.00782	PASS
		MCH	VN	-30	4.42	0.00235	PASS
				-20	18.11	0.00963	PASS
				-10	8.78	0.00467	PASS
				0	7.88	0.00419	PASS
				10	13.01	0.00692	PASS
				20	3.20	0.0017	PASS
				30	17.08	0.00909	PASS
				40	12.88	0.00685	PASS
				50	-0.58	-0.00031	PASS
		HCH	VN	-30	4.68	0.00245	PASS
				-20	-4.00	-0.00209	PASS
				-10	-7.72	-0.00404	PASS
				0	-1.61	-0.00084	PASS
				10	-12.56	-0.00658	PASS
				20	7.68	0.00402	PASS
				30	3.26	0.00171	PASS
				40	-4.20	-0.0022	PASS
				50	-2.81	-0.00147	PASS

8.2 For UMTS

8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	5.65	0.00684	PASS
				VN	-1.07	-0.00129	PASS
				VH	2.87	0.00347	PASS
		MCH	TN	VL	-1.31	-0.00157	PASS
				VN	1.77	0.00212	PASS
				VH	1.77	0.00212	PASS
		HCH	TN	VL	1.04	0.00123	PASS
				VN	8.90	0.01051	PASS
				VH	1.85	0.00219	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	7.37	0.00398	PASS
				VN	-3.71	-0.002	PASS
				VH	-3.59	-0.00194	PASS
		MCH	TN	VL	6.23	0.00331	PASS
				VN	2.27	0.00121	PASS
				VH	12.33	0.00656	PASS
		HCH	TN	VL	3.28	0.00172	PASS
				VN	2.29	0.0012	PASS
				VH	9.00	0.00472	PASS

8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	7.78	0.00941	PASS
				-20	-1.82	-0.0022	PASS
				-10	4.84	0.00586	PASS
				0	-1.77	-0.00214	PASS
				10	4.56	0.00552	PASS
				20	8.03	0.00972	PASS
				30	0.49	0.00059	PASS
				40	2.94	0.00356	PASS
				50	5.26	0.00636	PASS
		MCH	VN	-30	-1.72	-0.00206	PASS
				-20	1.11	0.00133	PASS
				-10	-0.63	-0.00075	PASS
				0	0.78	0.00093	PASS
				10	0.64	0.00077	PASS
				20	0.44	0.00053	PASS
				30	-4.29	-0.00513	PASS
				40	1.91	0.00228	PASS
				50	2.46	0.00294	PASS
		HCH	VN	-30	4.27	0.00504	PASS
				-20	4.65	0.00549	PASS
				-10	-3.66	-0.00432	PASS
				0	4.32	0.0051	PASS
				10	5.16	0.00609	PASS
				20	5.39	0.00637	PASS
				30	2.20	0.0026	PASS
				40	-2.30	-0.00272	PASS
				50	2.59	0.00306	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	0.87	0.00047	PASS
				-20	7.75	0.00418	PASS
				-10	1.45	0.00078	PASS
				0	-4.71	-0.00254	PASS
				10	-2.79	-0.00151	PASS
				20	-1.45	-0.00078	PASS
				30	7.93	0.00428	PASS
				40	1.39	0.00075	PASS
				50	-9.80	-0.00529	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	VN	-30	4.67	0.00248	PASS
				-20	-1.94	-0.00103	PASS
				-10	2.87	0.00153	PASS
				0	4.81	0.00256	PASS
				10	0.41	0.00022	PASS
				20	-3.94	-0.0021	PASS
				30	5.34	0.00284	PASS
				40	-5.52	-0.00294	PASS
				50	-0.24	-0.00013	PASS
		HCH	VN	-30	0.05	0.00003	PASS
				-20	-6.84	-0.00359	PASS
				-10	0.82	0.00043	PASS
				0	-7.72	-0.00405	PASS
				10	-3.42	-0.00179	PASS
				20	-4.36	-0.00229	PASS
				30	-6.70	-0.00351	PASS
				40	2.62	0.00137	PASS
				50	-8.54	-0.00448	PASS

END