



Appendix for test report

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	32.62	32.97	38.5	PASS
		MCH	32.69	33.04	38.5	PASS
		HCH	32.58	32.93	38.5	PASS
	GSM/TM2	LCH	26.63	26.98	38.5	PASS
		MCH	26.61	26.96	38.5	PASS
		HCH	26.54	26.89	38.5	PASS
WCDMA850	UMTS/TM1	LCH	23.25	23.6	38.5	PASS
		MCH	23.29	23.64	38.5	PASS
		HCH	23.21	23.56	38.5	PASS
Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.77	32.27	33	PASS
		MCH	29.75	32.25	33	PASS
		HCH	29.68	32.18	33	PASS
	GSM/TM2	LCH	25.98	28.48	33	PASS
		MCH	26.02	28.52	33	PASS
		HCH	26.01	28.51	33	PASS
WCDMA1900	UMTS/TM1	LCH	23.15	25.65	33	PASS
		MCH	23.01	25.51	33	PASS
		HCH	22.94	25.44	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 > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
GSM850	GSM/TM1	LCH	0.14	13	PASS
		MCH	0.12	13	PASS
		HCH	0.13	13	PASS
	GSM/TM2	LCH	2.98	13	PASS
		MCH	3.11	13	PASS
		HCH	3.12	13	PASS
GSM1900	GSM/TM1	LCH	0.14	13	PASS
		MCH	0.13	13	PASS
		HCH	0.11	13	PASS
	GSM/TM2	LCH	2.62	13	PASS
		MCH	2.67	13	PASS
		HCH	2.51	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA850	UMTS/TM1	LCH	3.13	13	PASS
		MCH	3.15	13	PASS
		HCH	3.11	13	PASS
WCDMA1900	UMTS/TM1	LCH	3.25	13	PASS
		MCH	3.19	13	PASS
		HCH	3.29	13	PASS

3Appendix_C: Modulation Characteristics

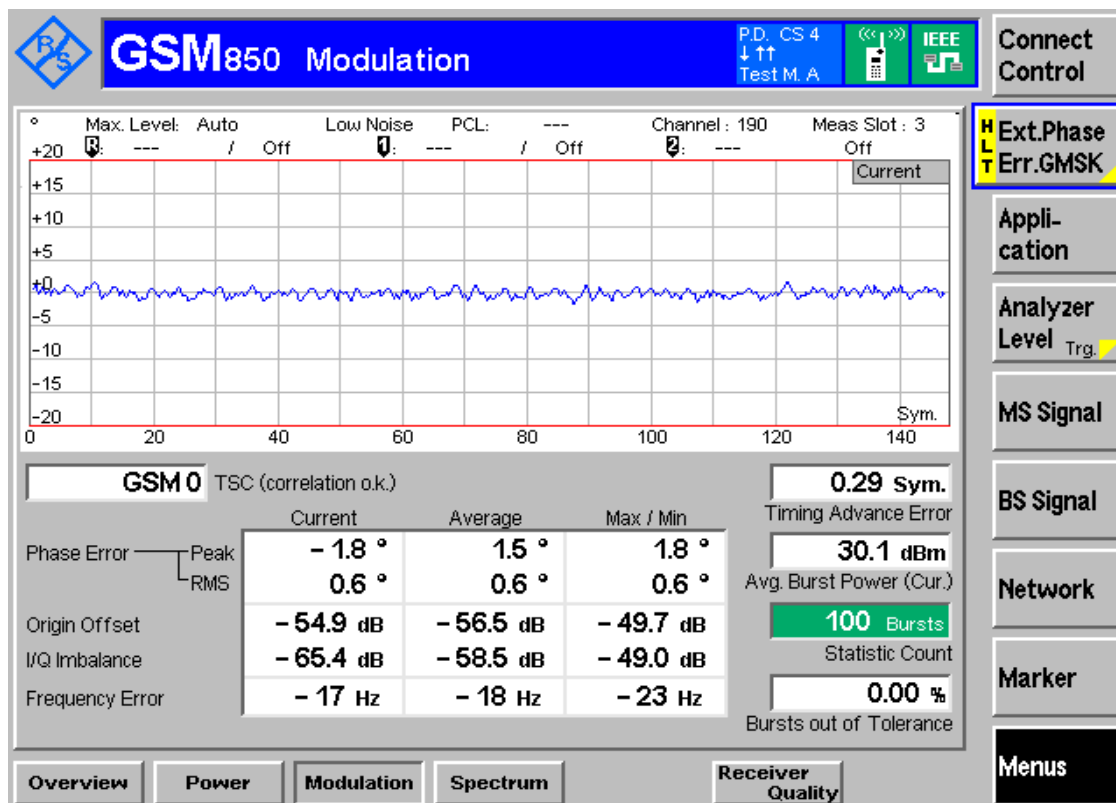
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

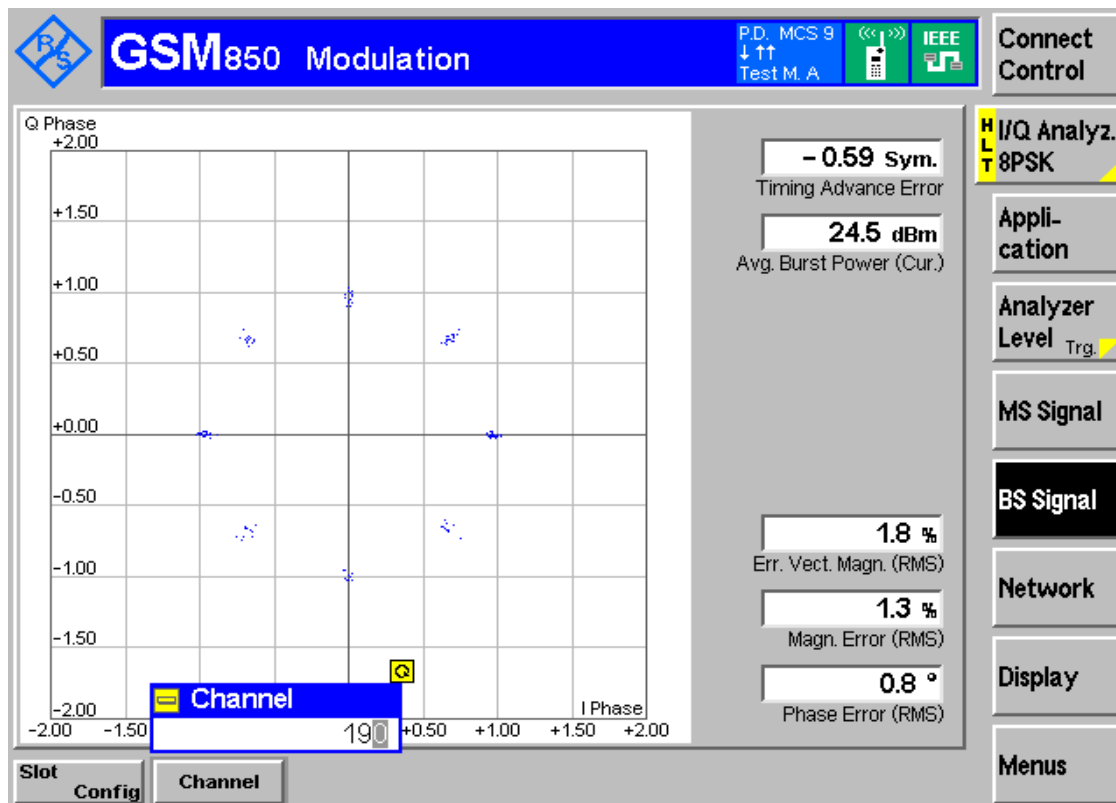
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

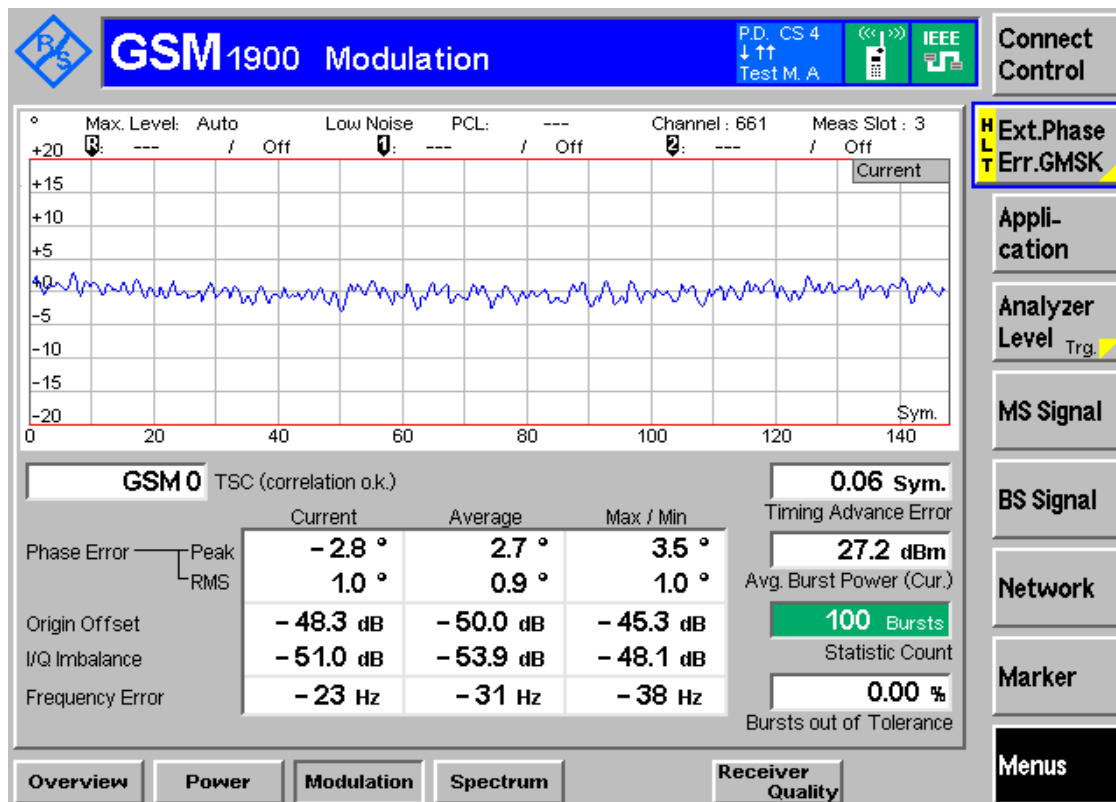
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

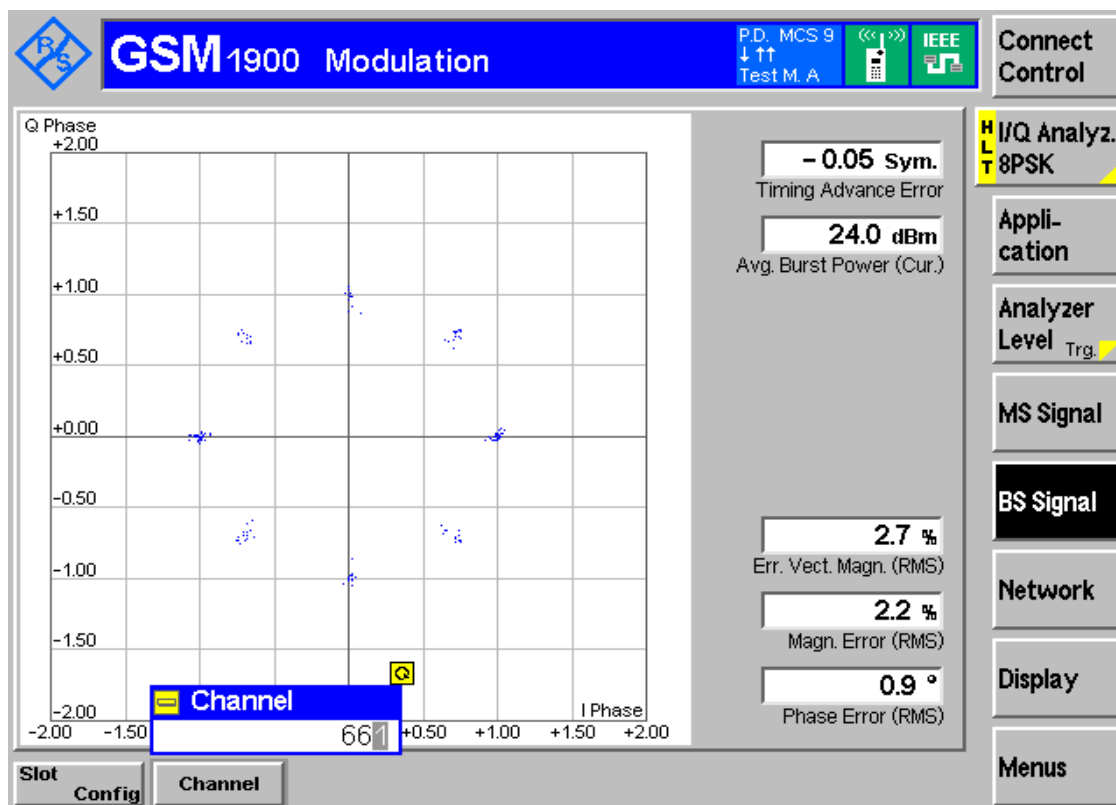
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

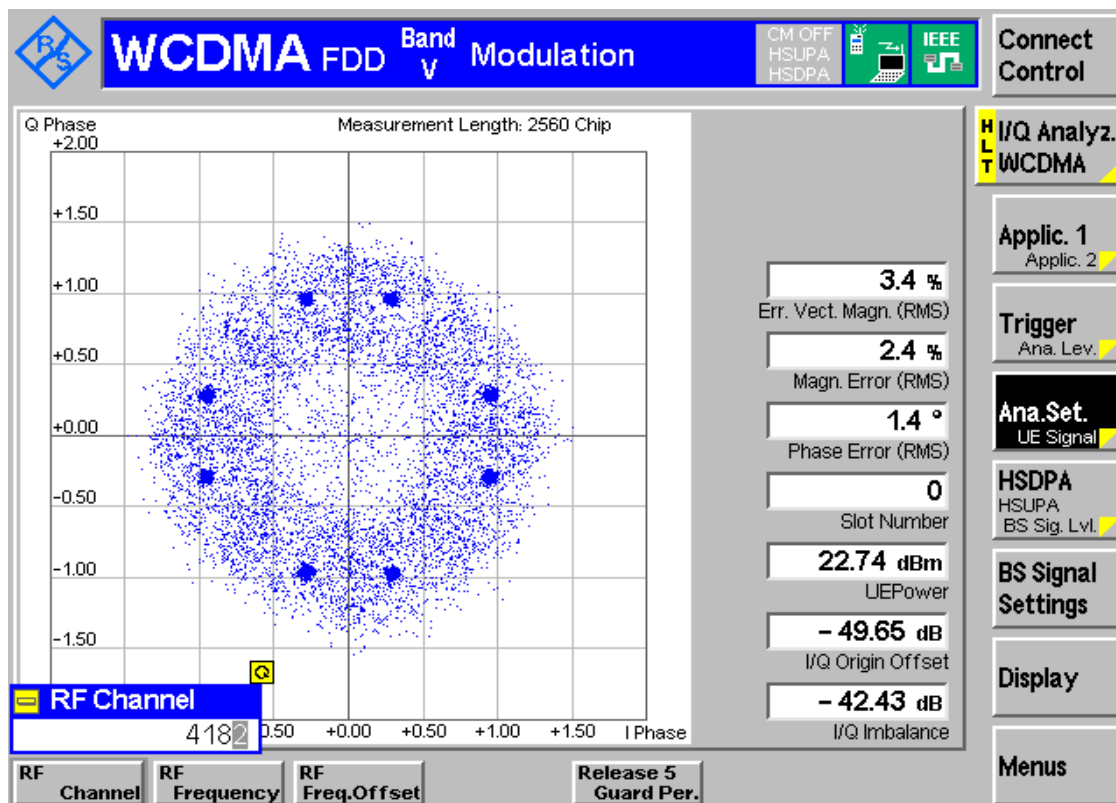


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

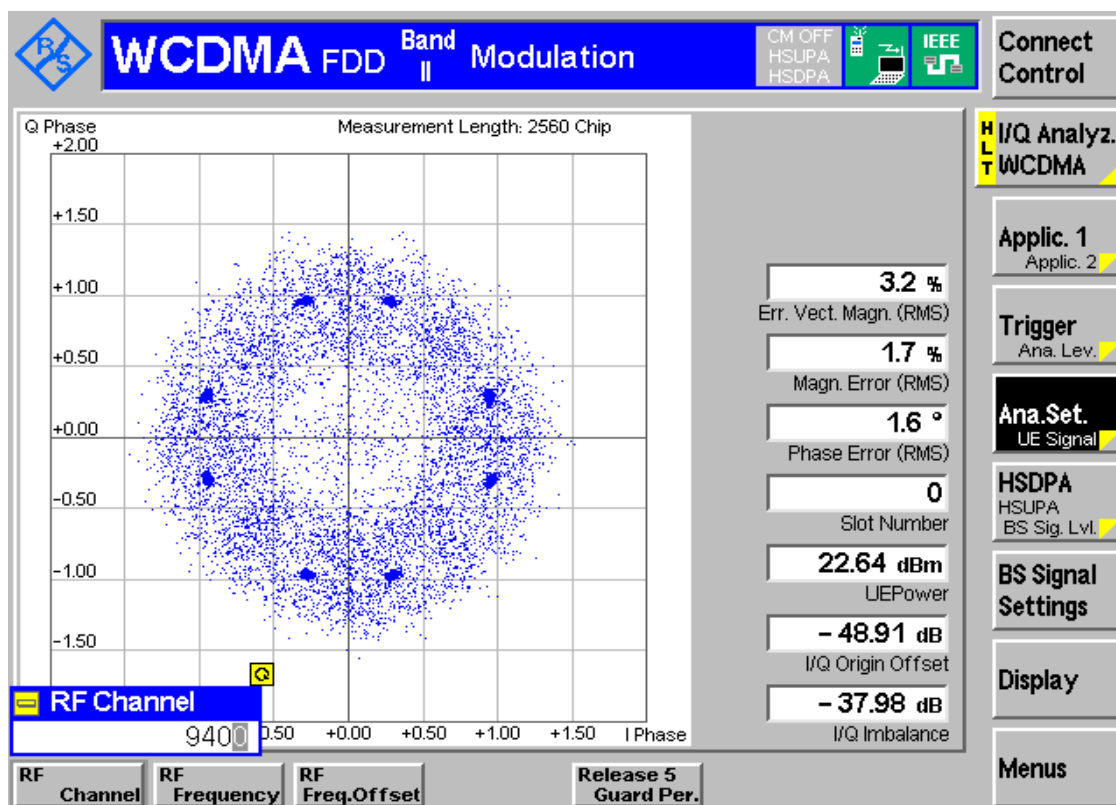
3.2.1.1.1 Test Channel = MCH



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	242.91	311.59	Pass
		MCH	241.91	315.98	Pass
		HCH	242.61	317.42	Pass
	GSM/TM2	LCH	238.36	303.52	Pass
		MCH	239.33	305.06	Pass
		HCH	252.96	318.55	Pass
GSM1900	GSM/TM1	LCH	241.76	308.43	Pass
		MCH	243.82	309.66	Pass
		HCH	243.40	313.84	Pass
	GSM/TM2	LCH	250.79	320.01	Pass
		MCH	248.52	323.48	Pass
		HCH	254.39	331.47	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.17	4.72	Pass
		MCH	4.16	4.70	Pass
		HCH	4.15	4.71	Pass
WCDMA1900	UMTS/TM1	LCH	4.16	4.71	Pass
		MCH	4.16	4.70	Pass
		HCH	4.17	4.72	Pass

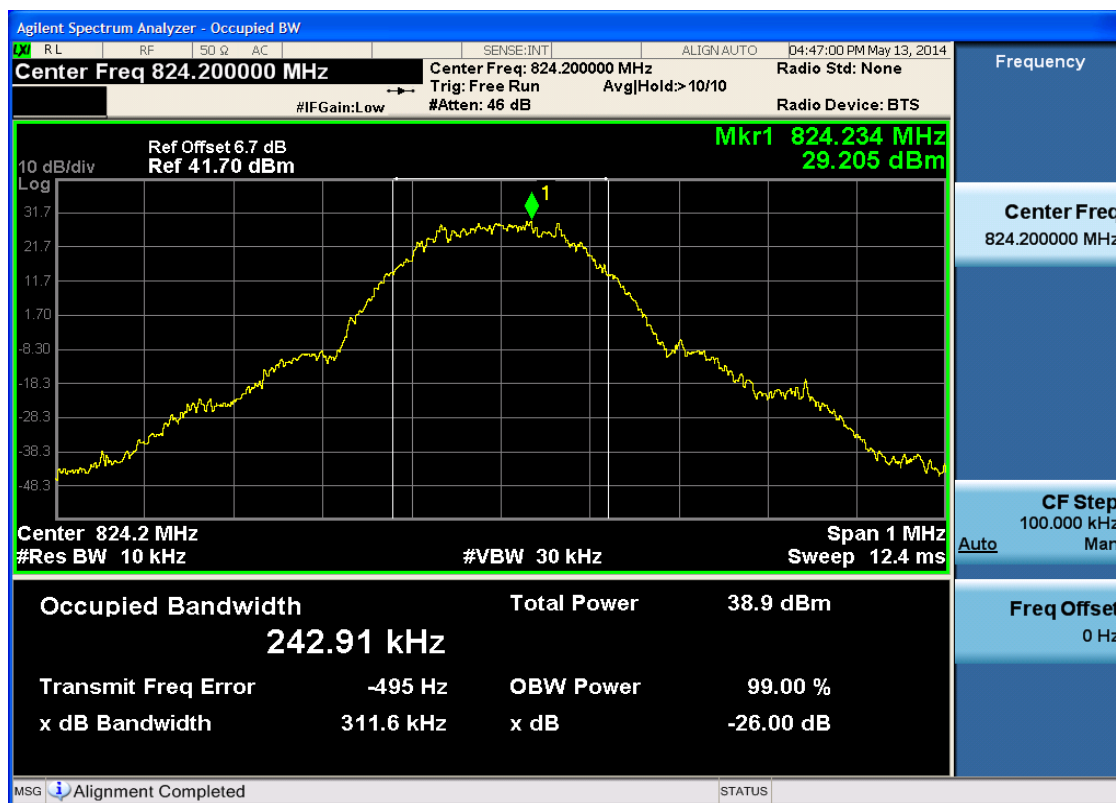
Part II - Test Plots

4.1 For GSM

4.1.1 Test Band = GSM850

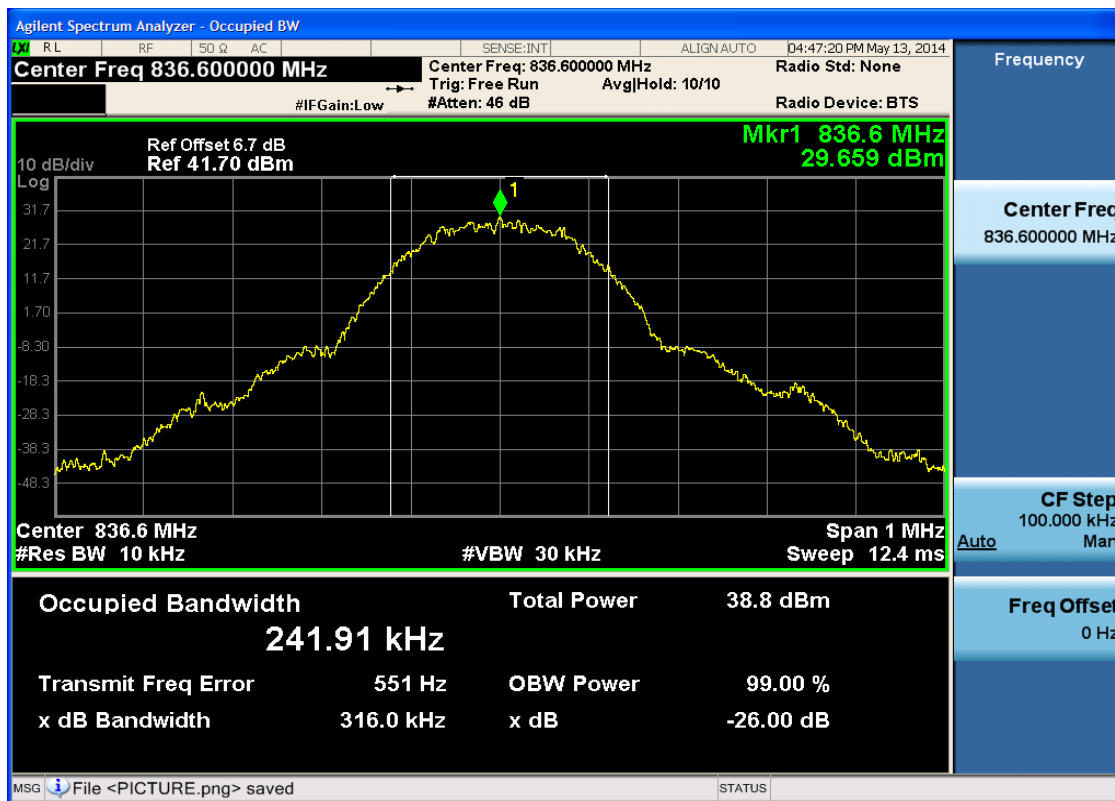
4.1.1.1 Test Mode = GSM/TM1

4.1.1.1.1 Test Channel = LCH



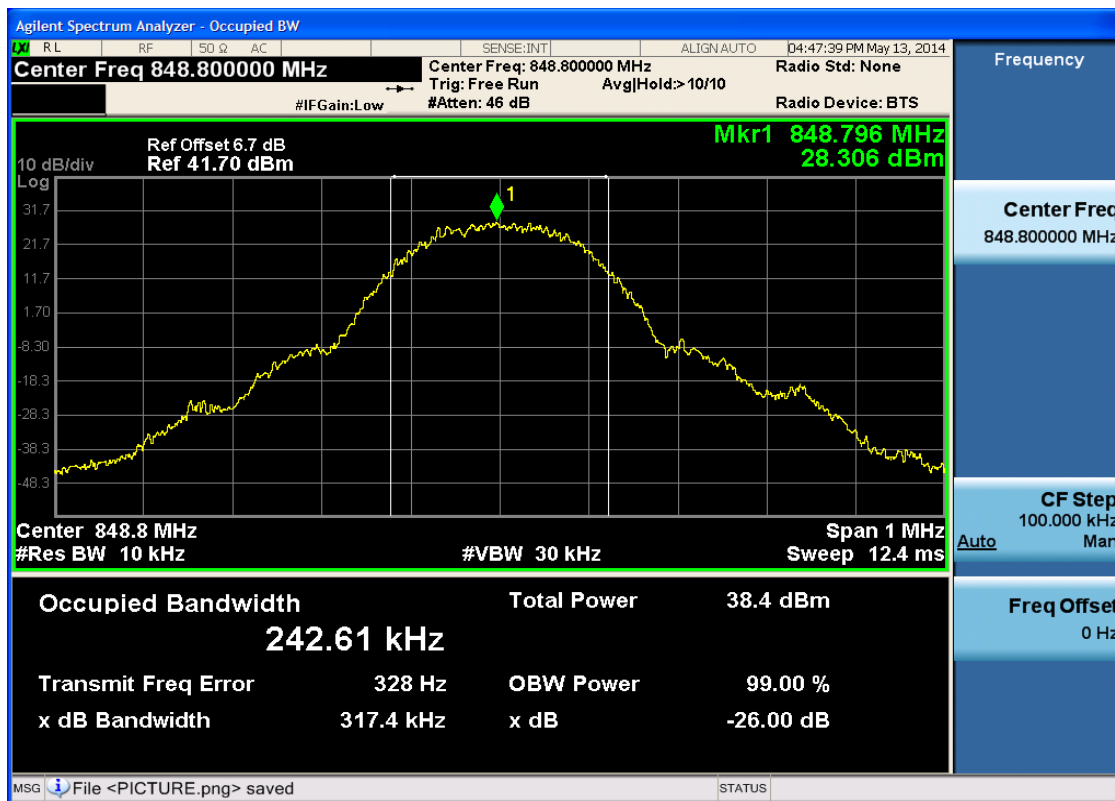


4.1.1.1.2 Test Channel = MCH





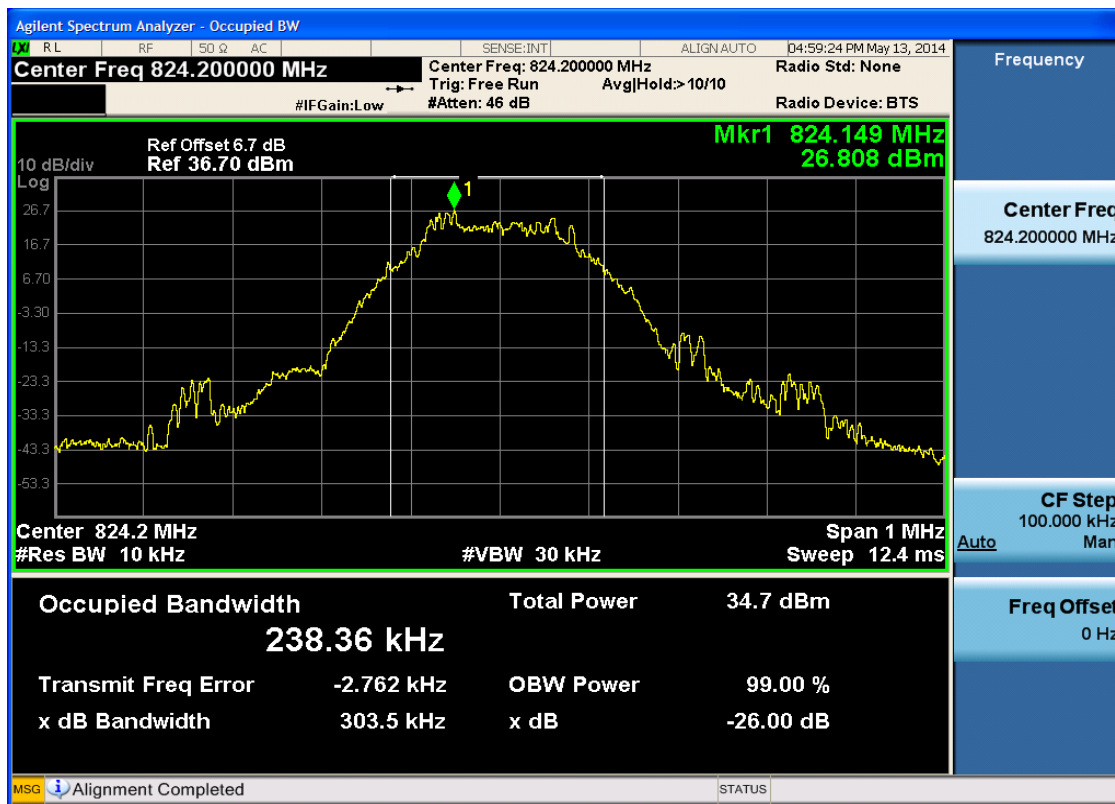
4.1.1.1.3 Test Channel = HCH





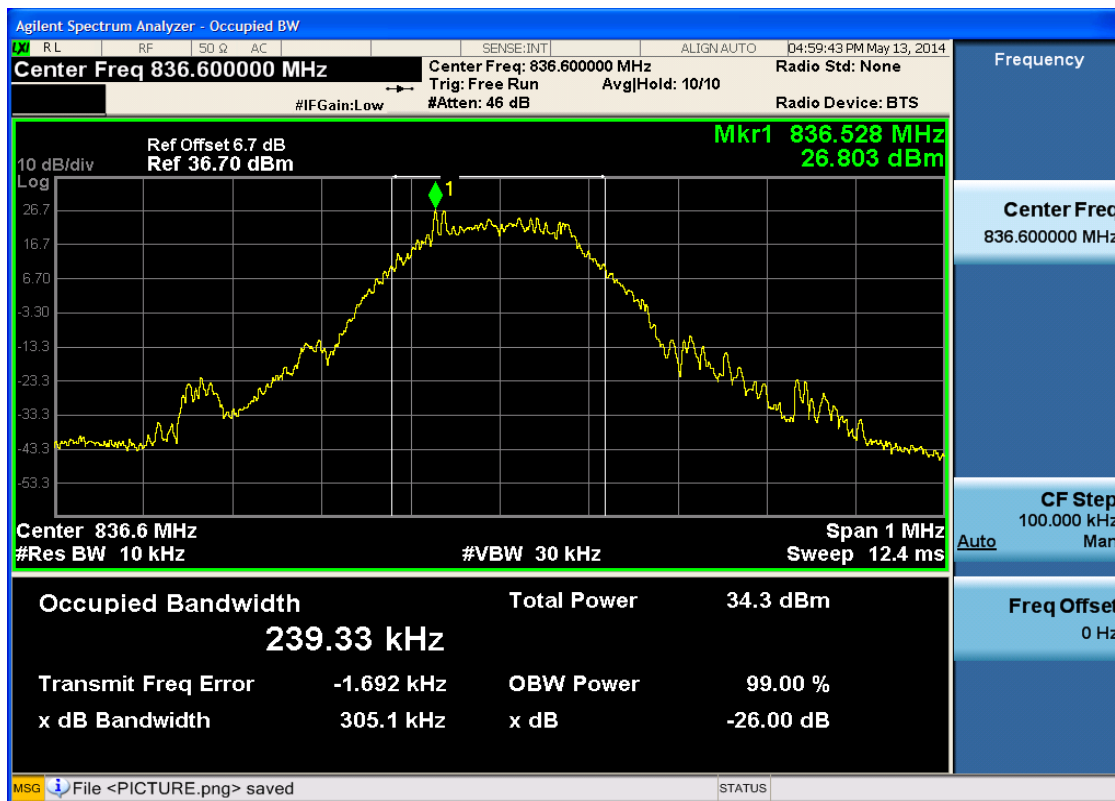
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



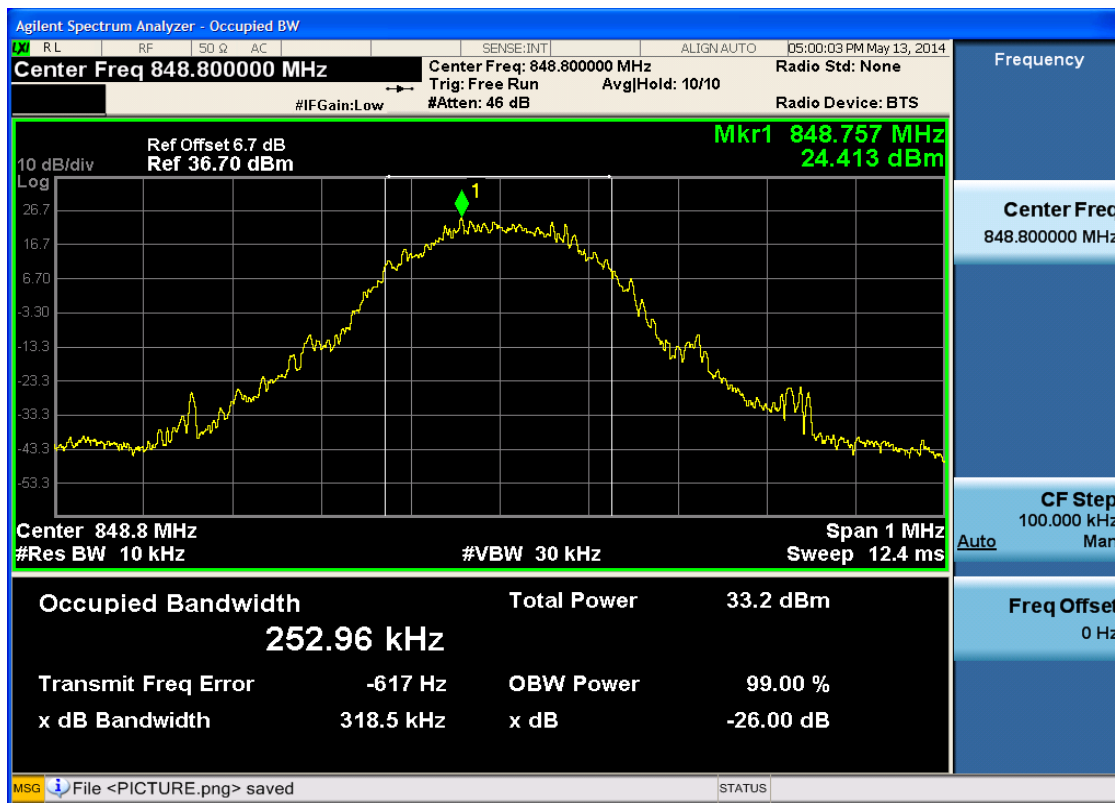


4.1.1.2.2 Test Channel = MCH





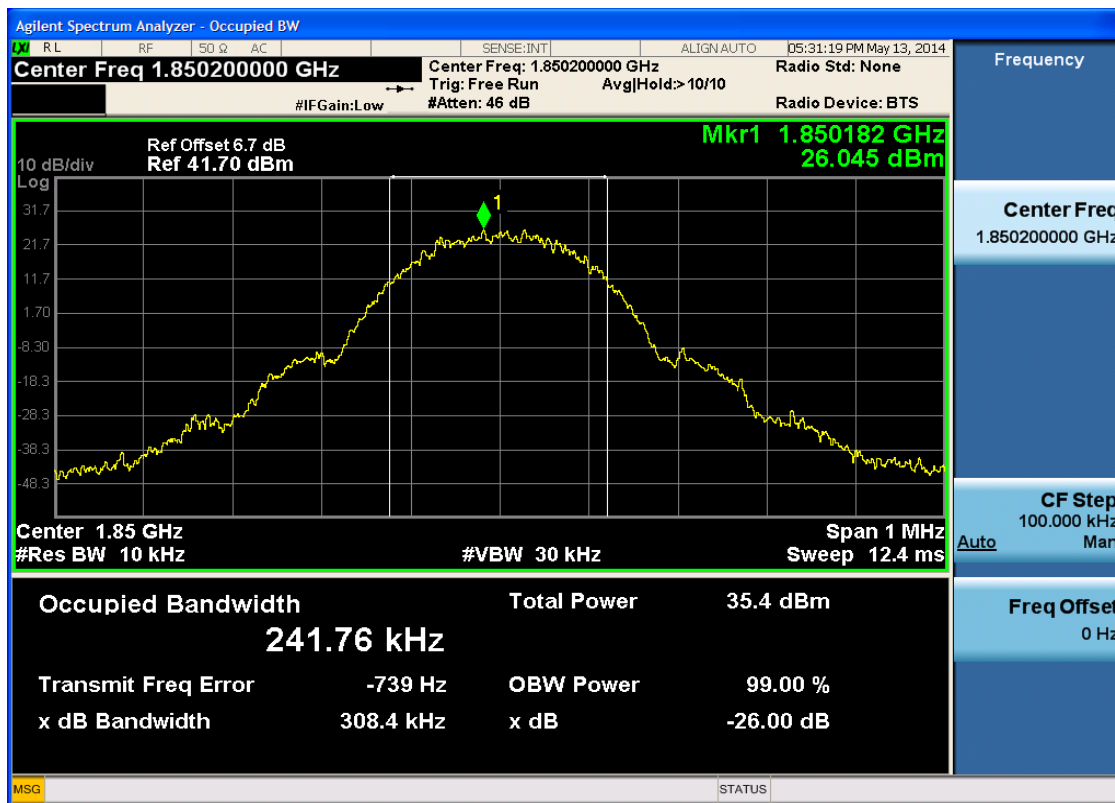
4.1.1.2.3 Test Channel = HCH



4.1.2 Test Band = GSM1900

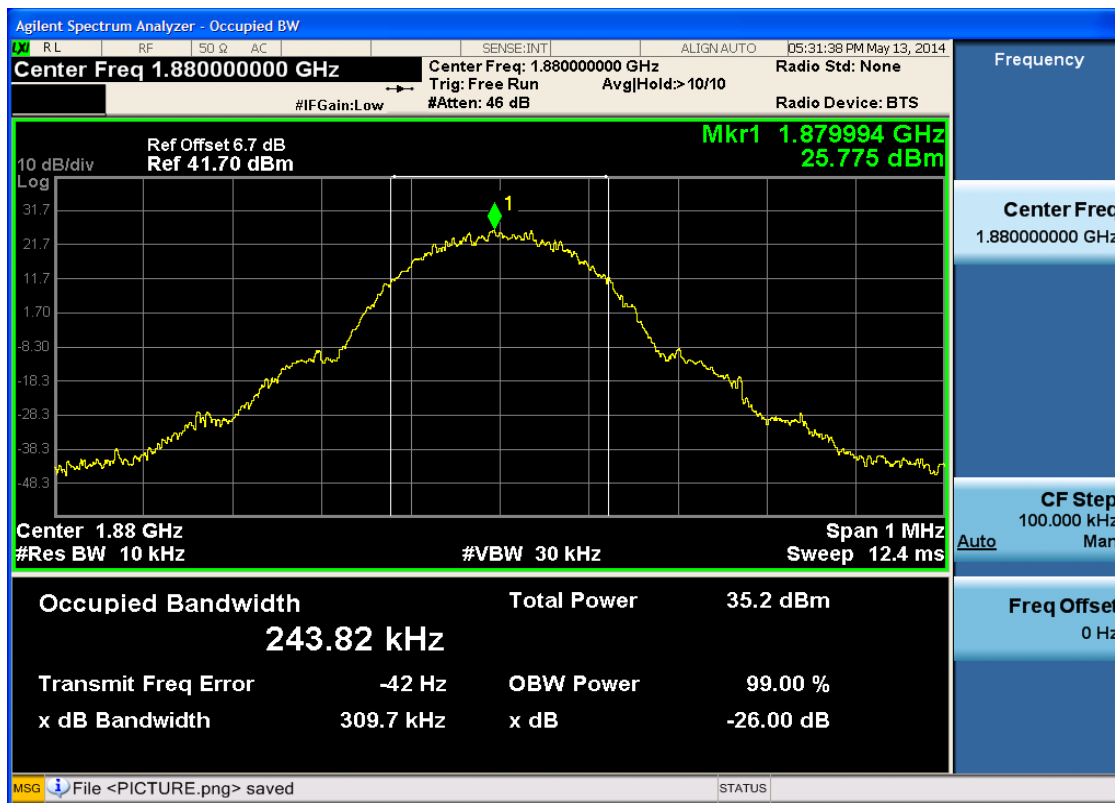
4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



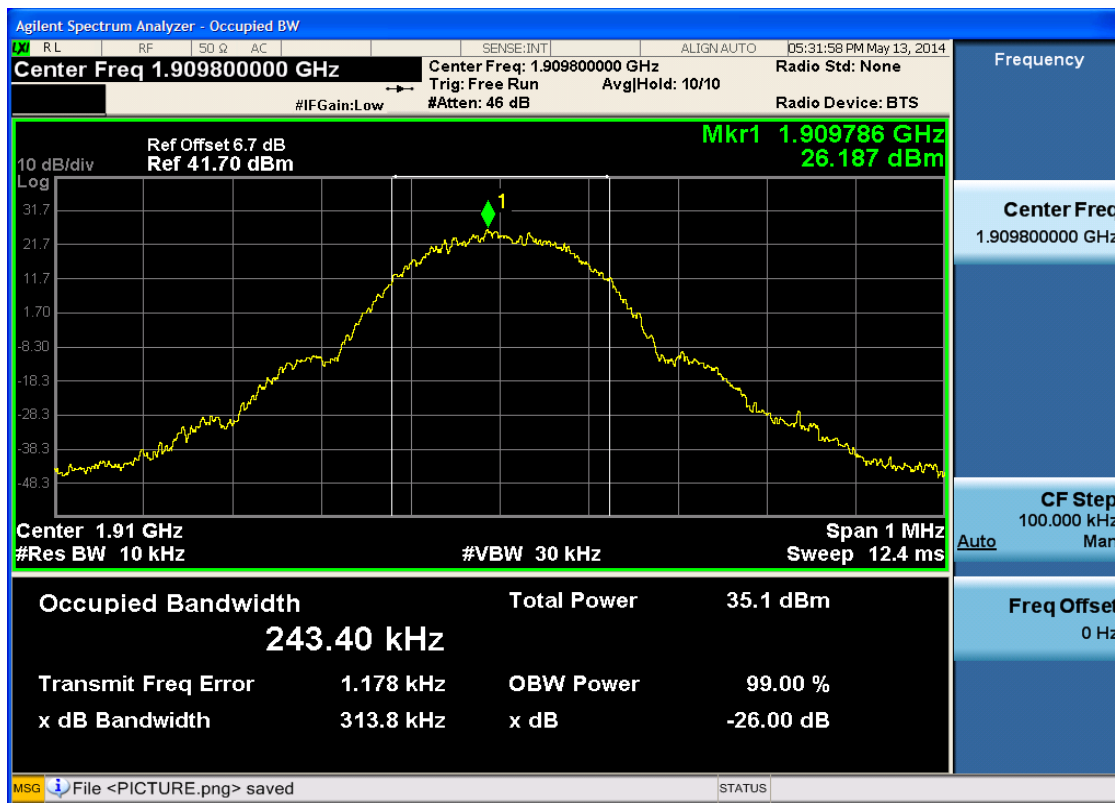


4.1.2.1.2 Test Channel = MCH





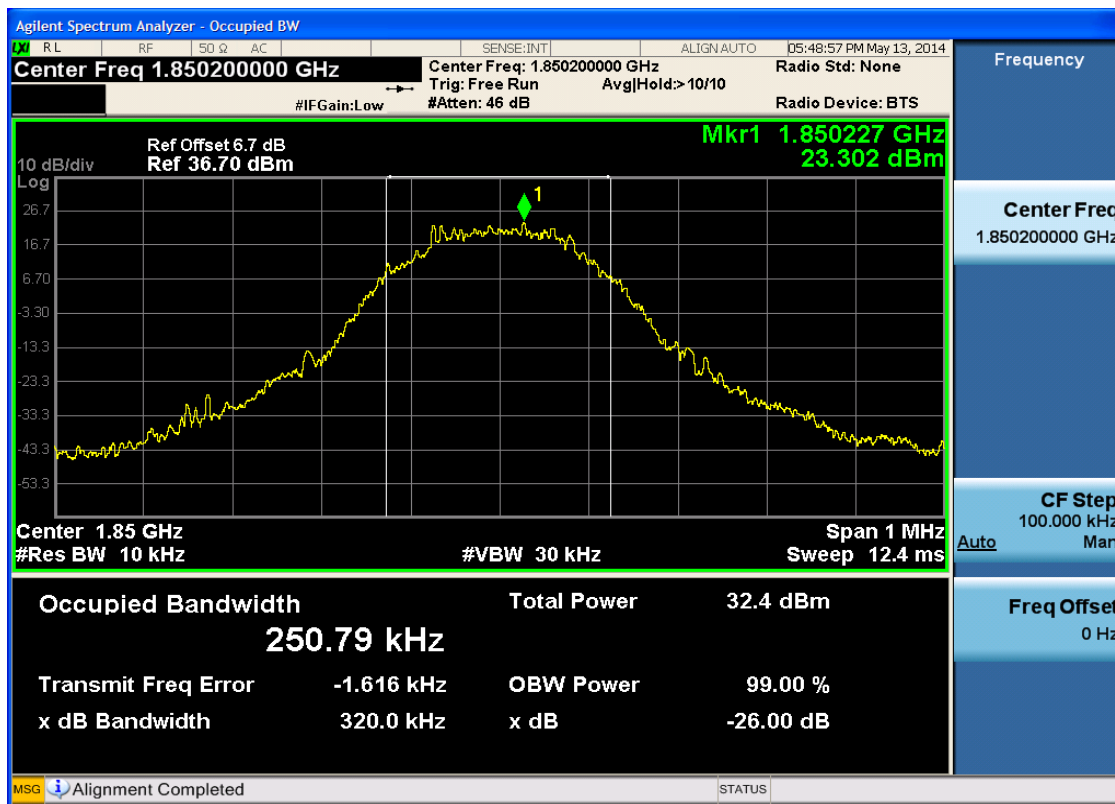
4.1.2.1.3 Test Channel = HCH





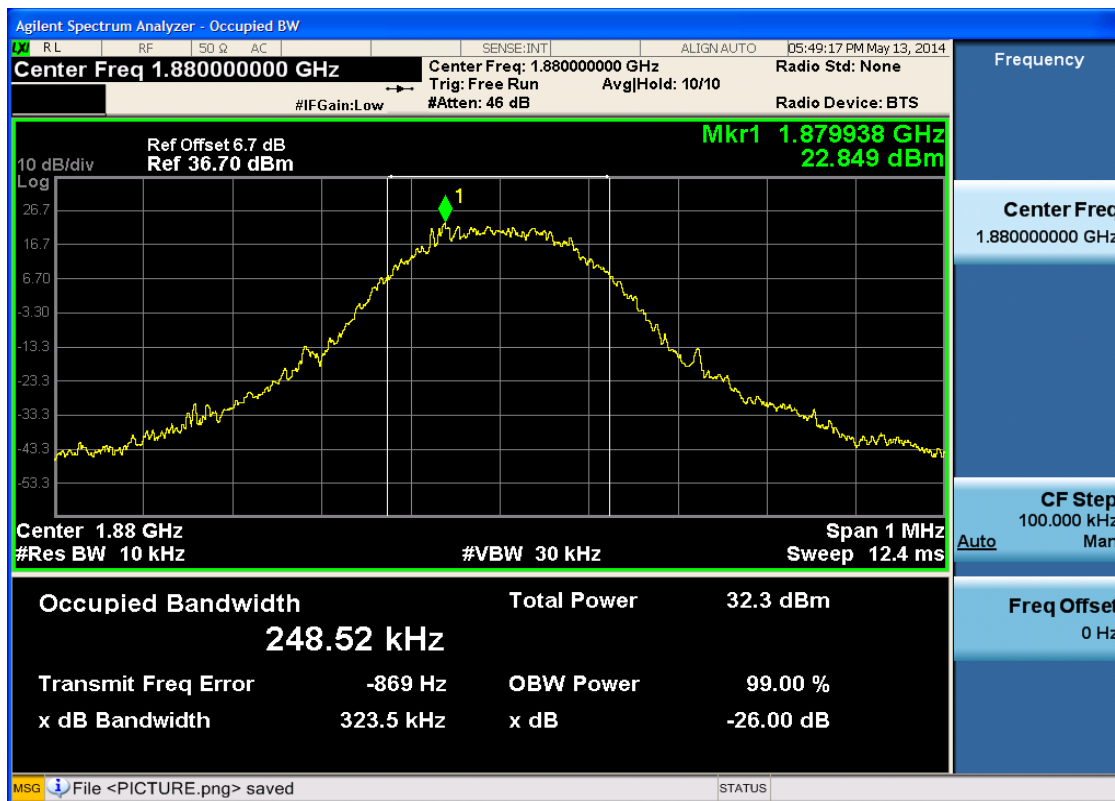
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH

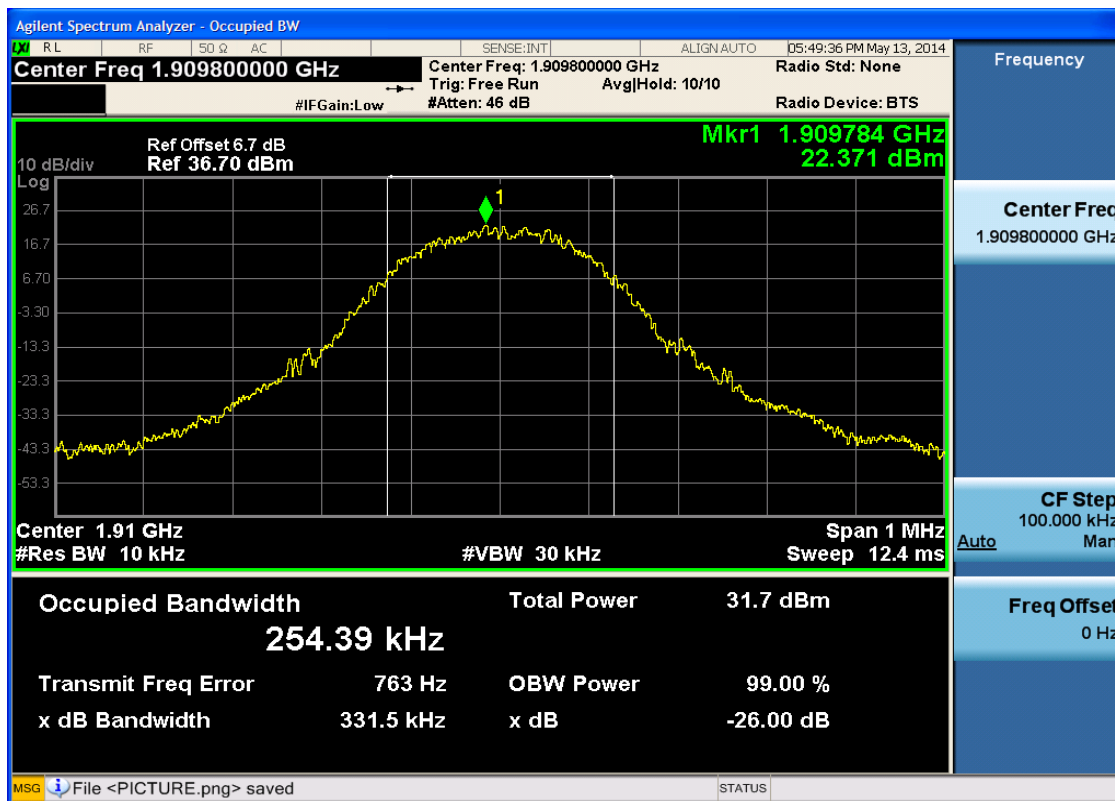




4.1.2.2.2 Test Channel = MCH



4.1.2.2.3 Test Channel = HCH

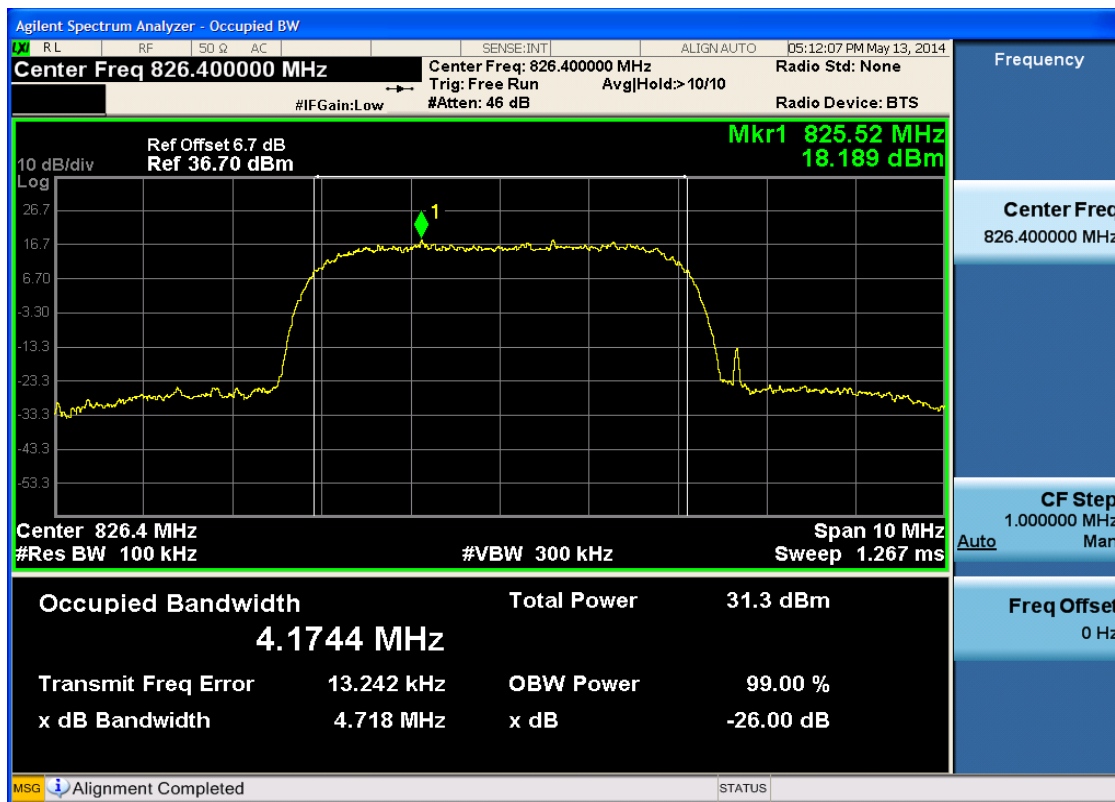


4.2 For UMTS

4.2.1 Test Band = WCDMA850

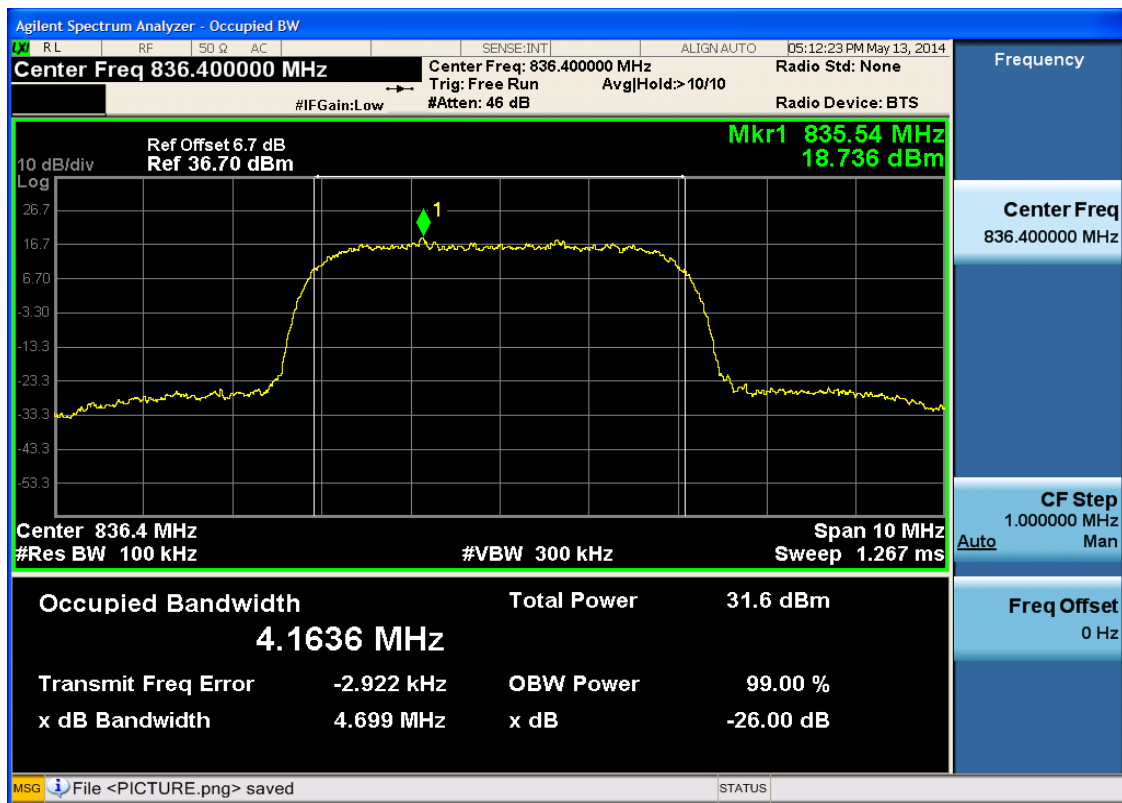
4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH



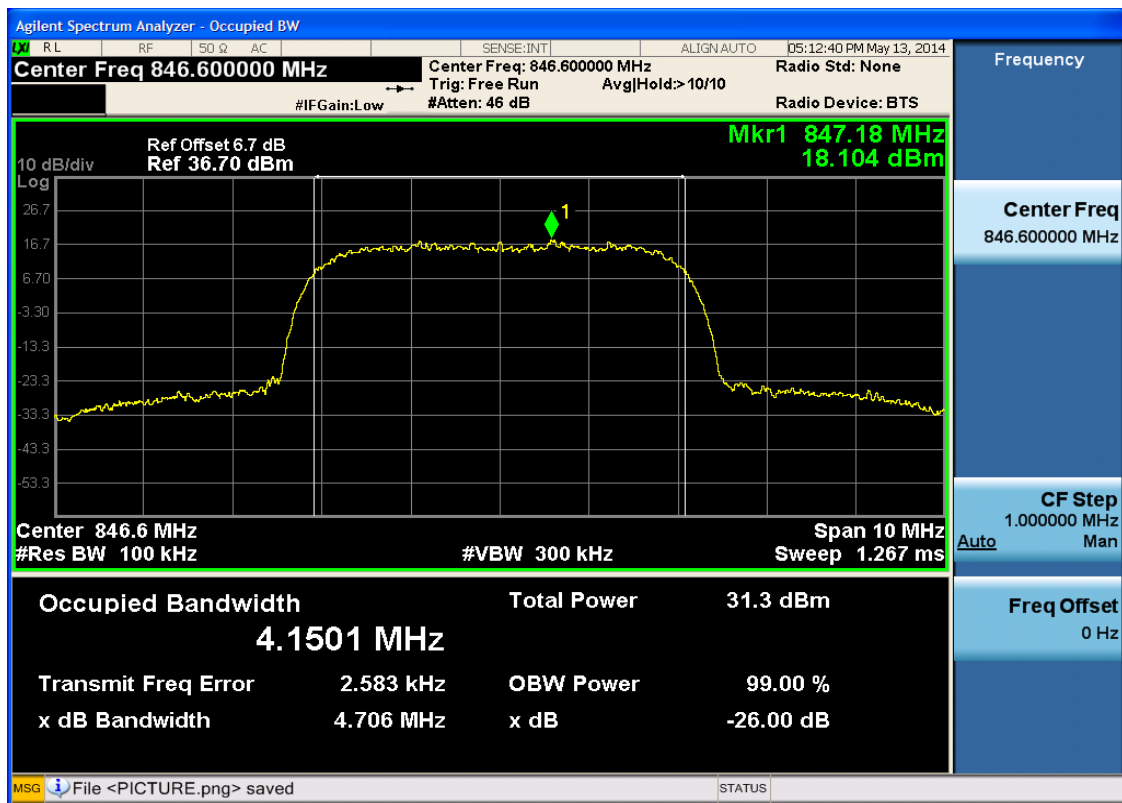


4.2.1.1.2 Test Channel = MCH





4.2.1.1.3 Test Channel = HCH

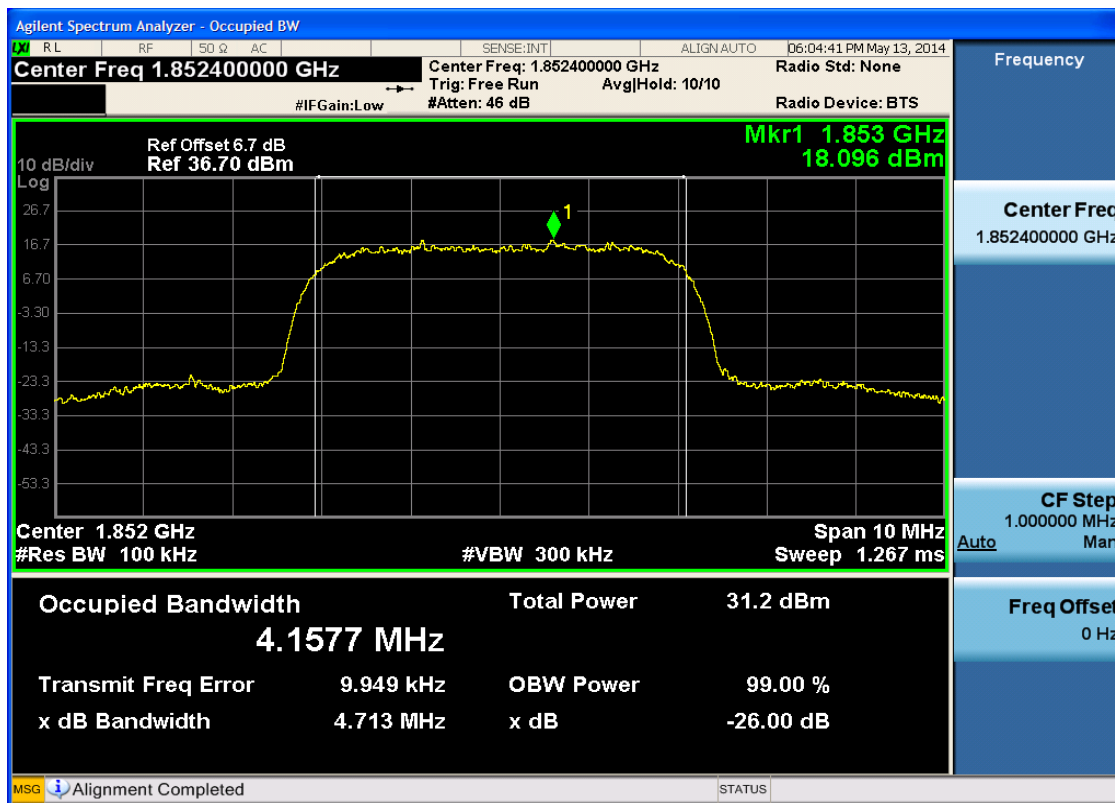




4.2.2 Test Band = WCDMA1900

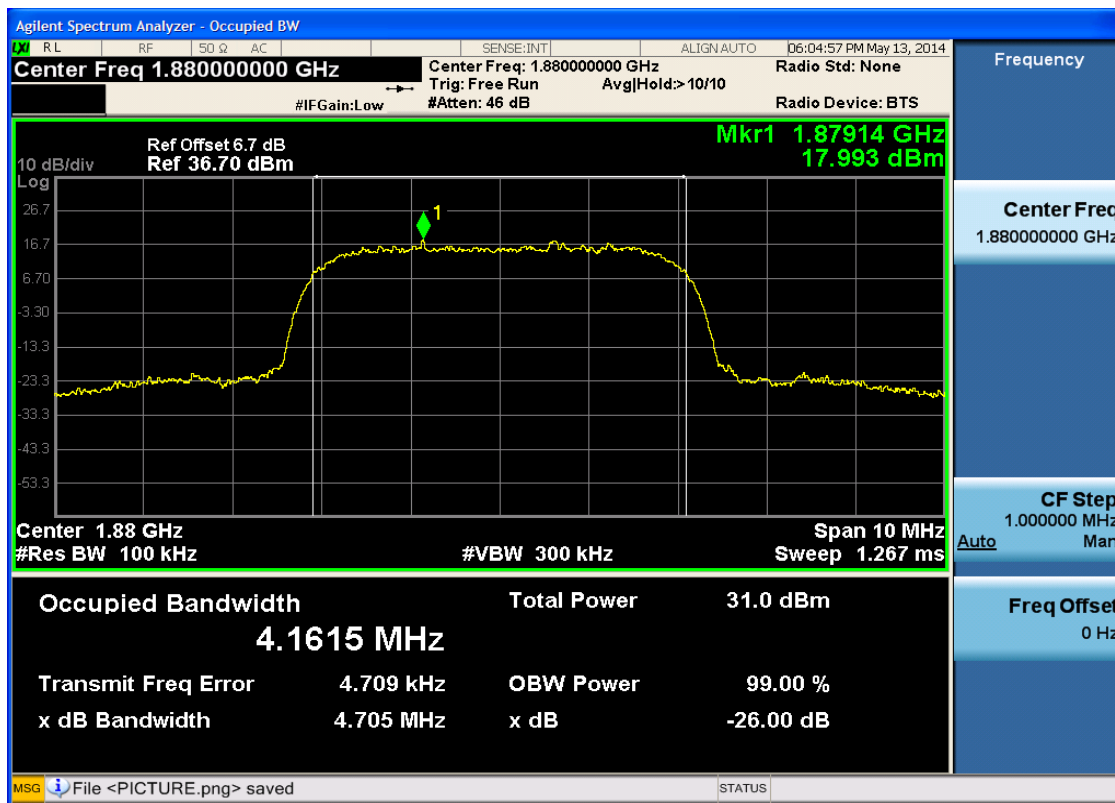
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH

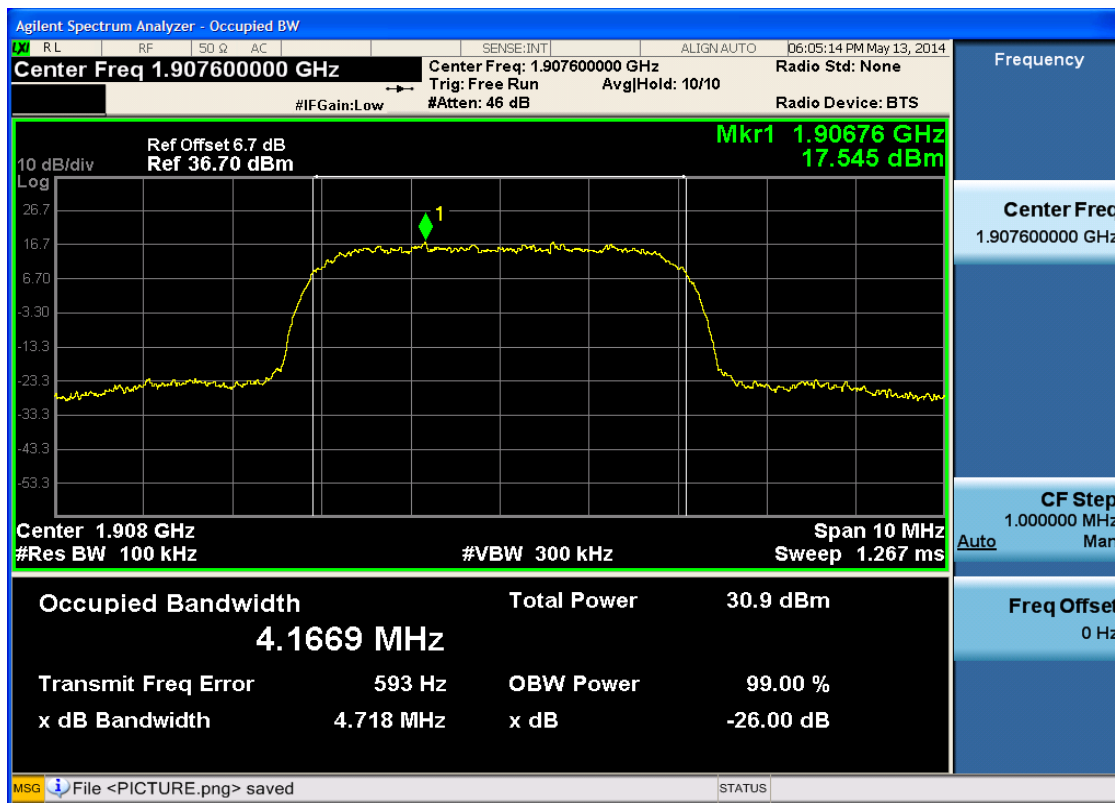




4.2.2.1.2 Test Channel = MCH



4.2.2.1.3 Test Channel = HCH



5Appendix_E: Band Edges Compliance

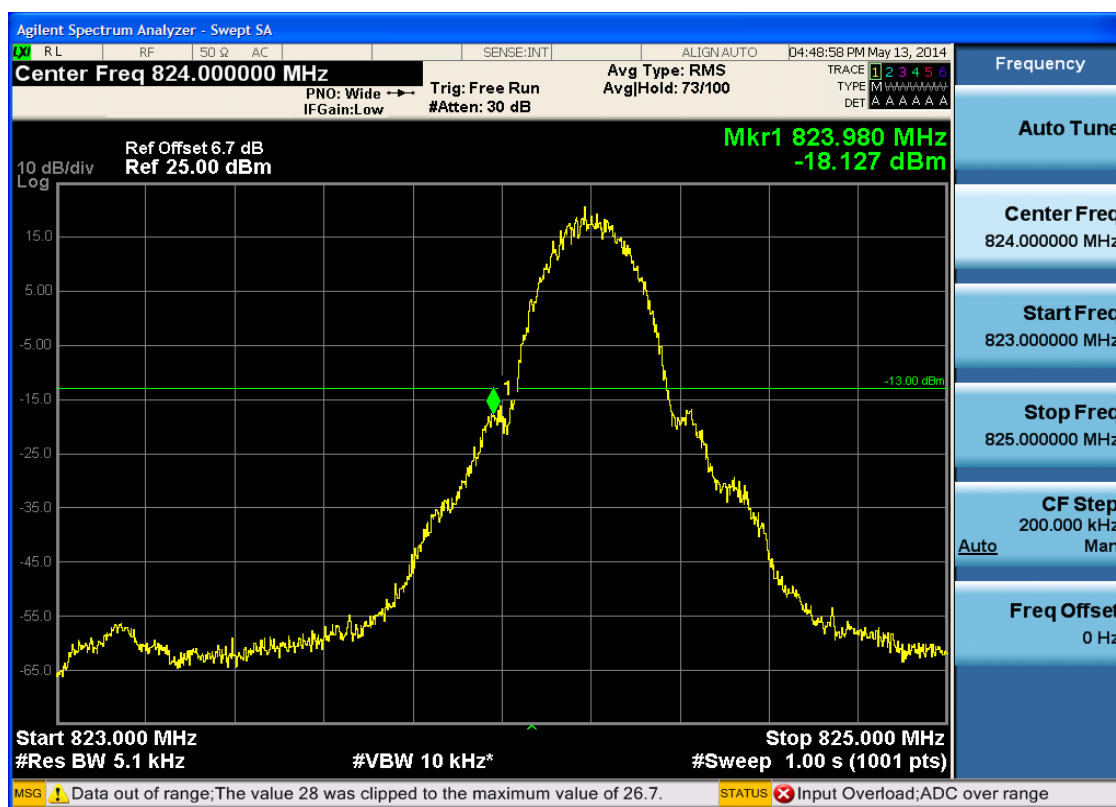
Part I - Test Plots

5.1 For GSM

5.1.1 Test Band = GSM850

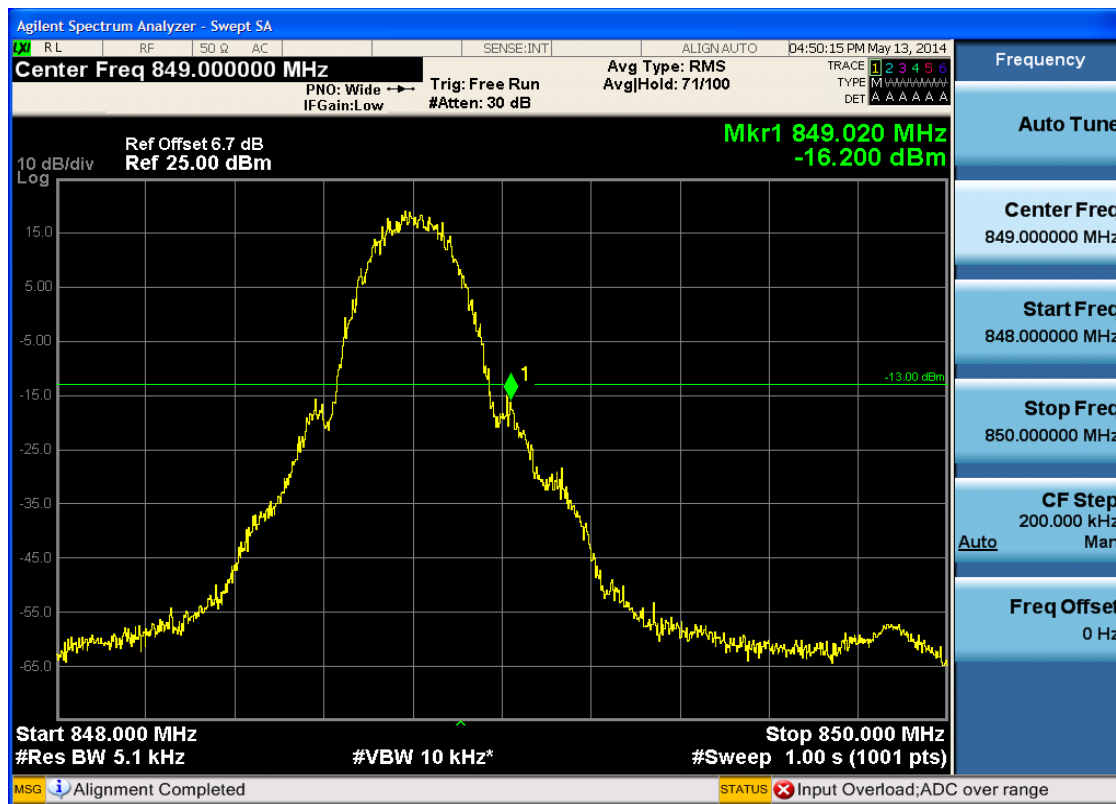
5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH



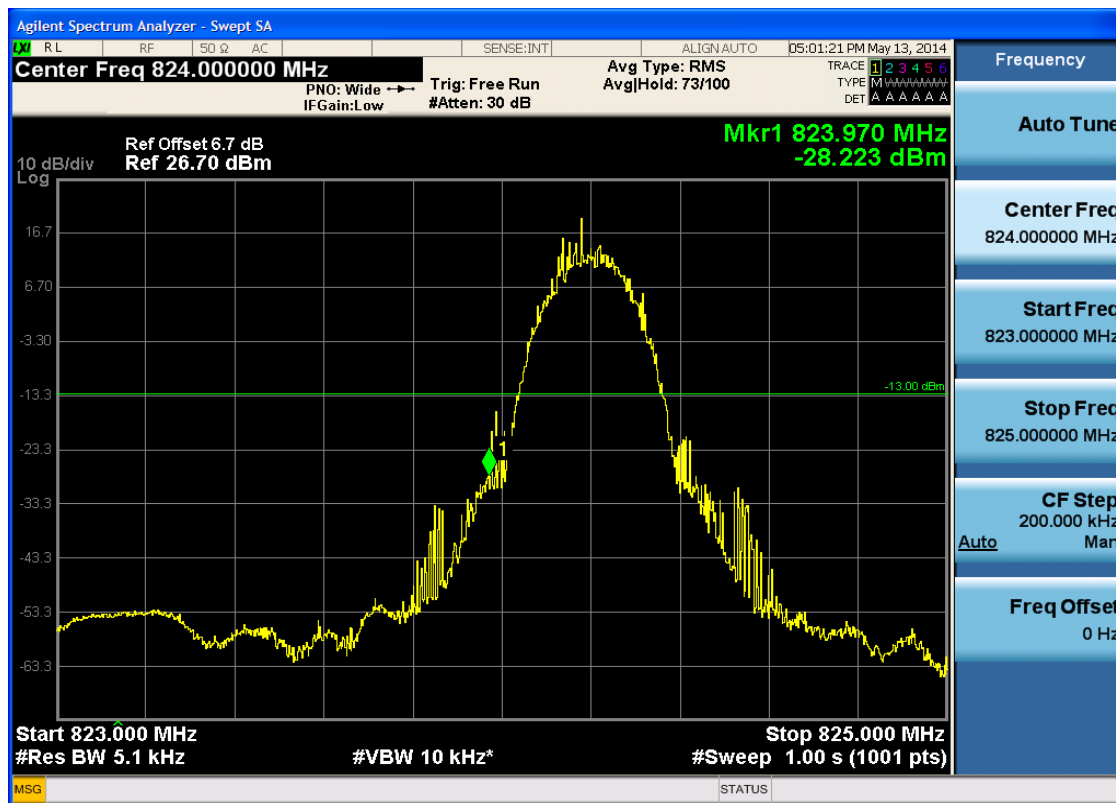


5.1.1.1.2 Test Channel = HCH



5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH





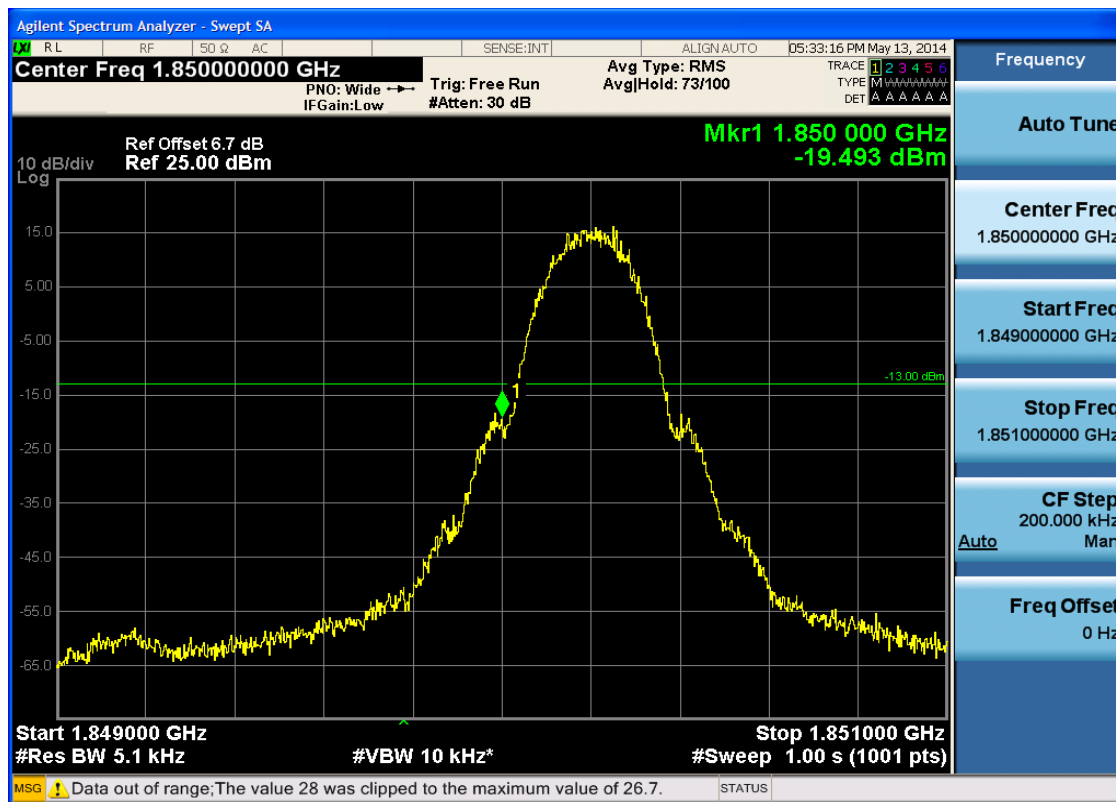
5.1.1.2.2 Test Channel = HCH



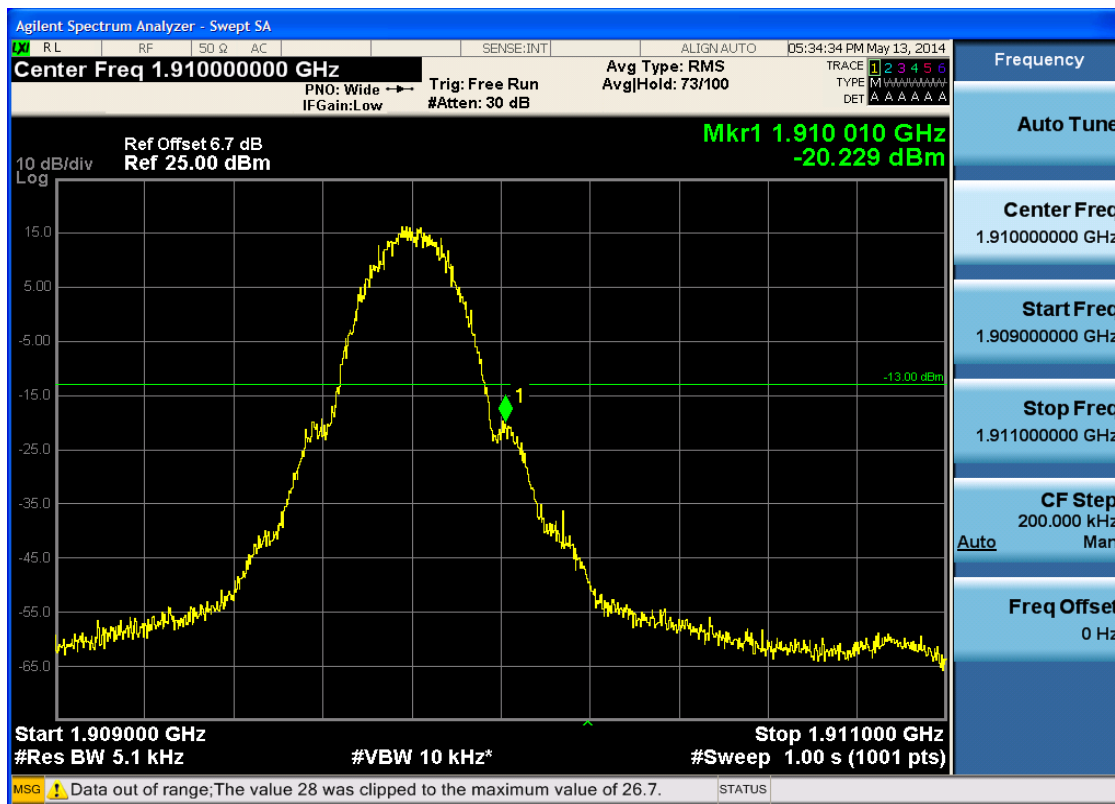
5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH

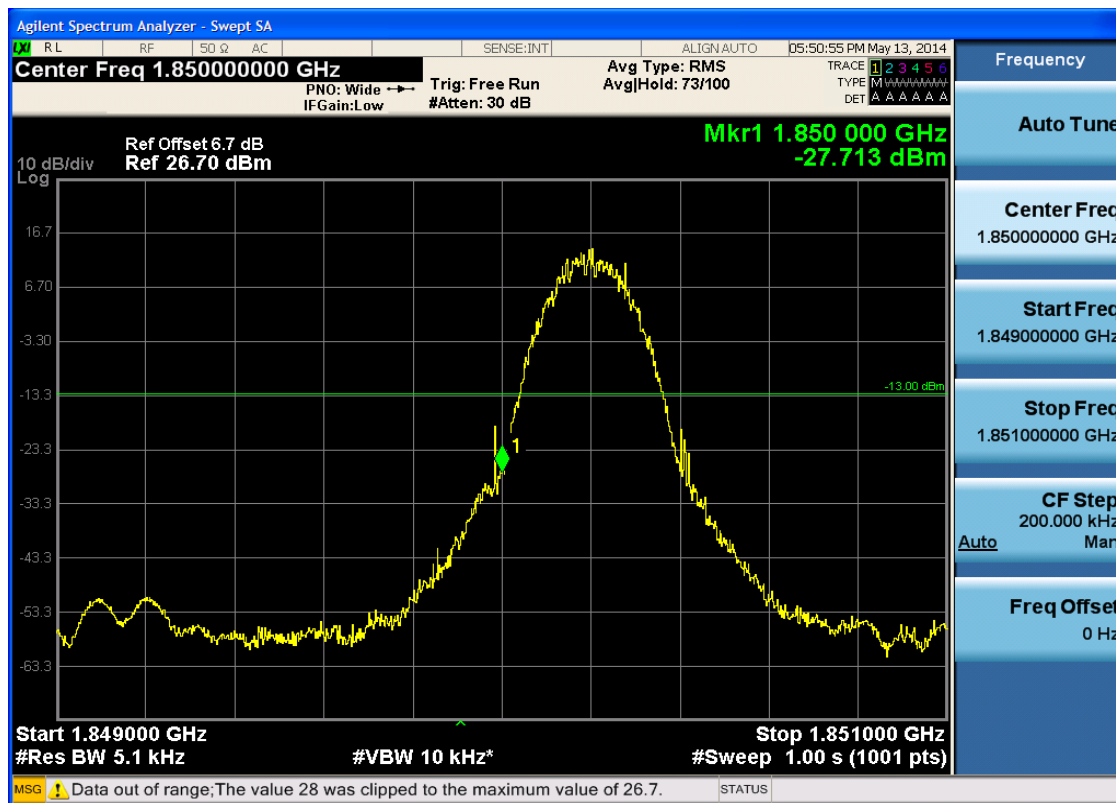


5.1.2.1.2 Test Channel = HCH

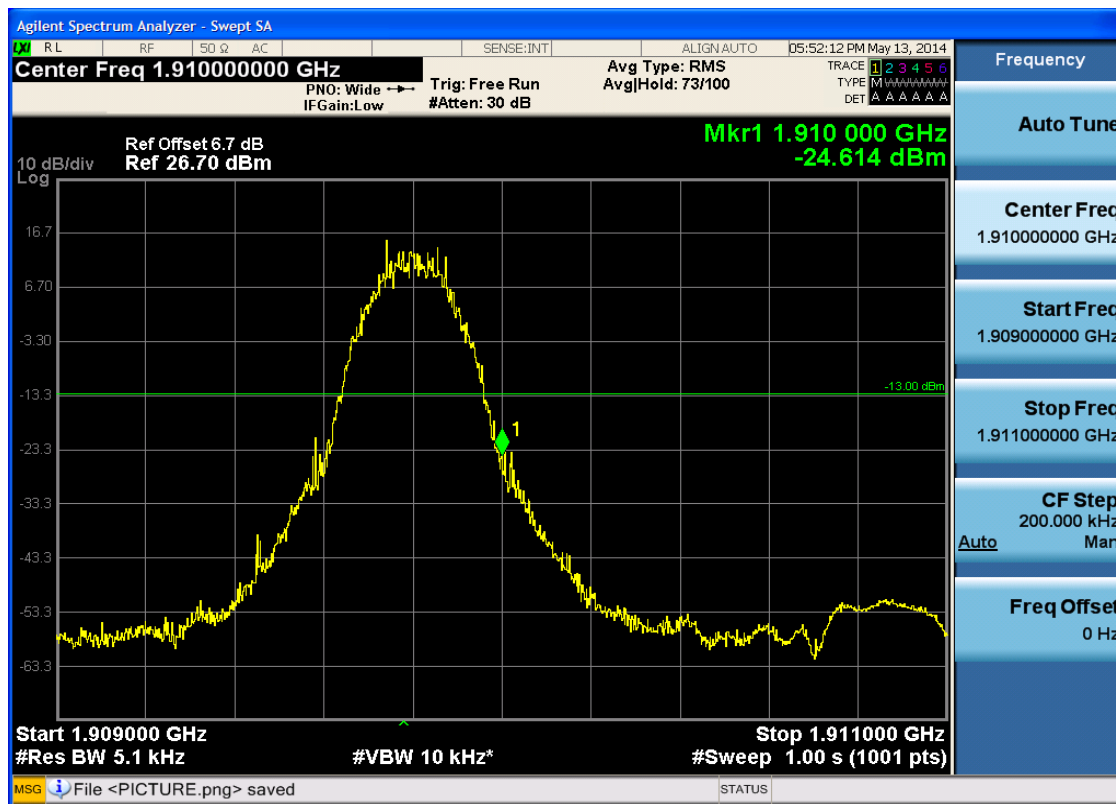


5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH

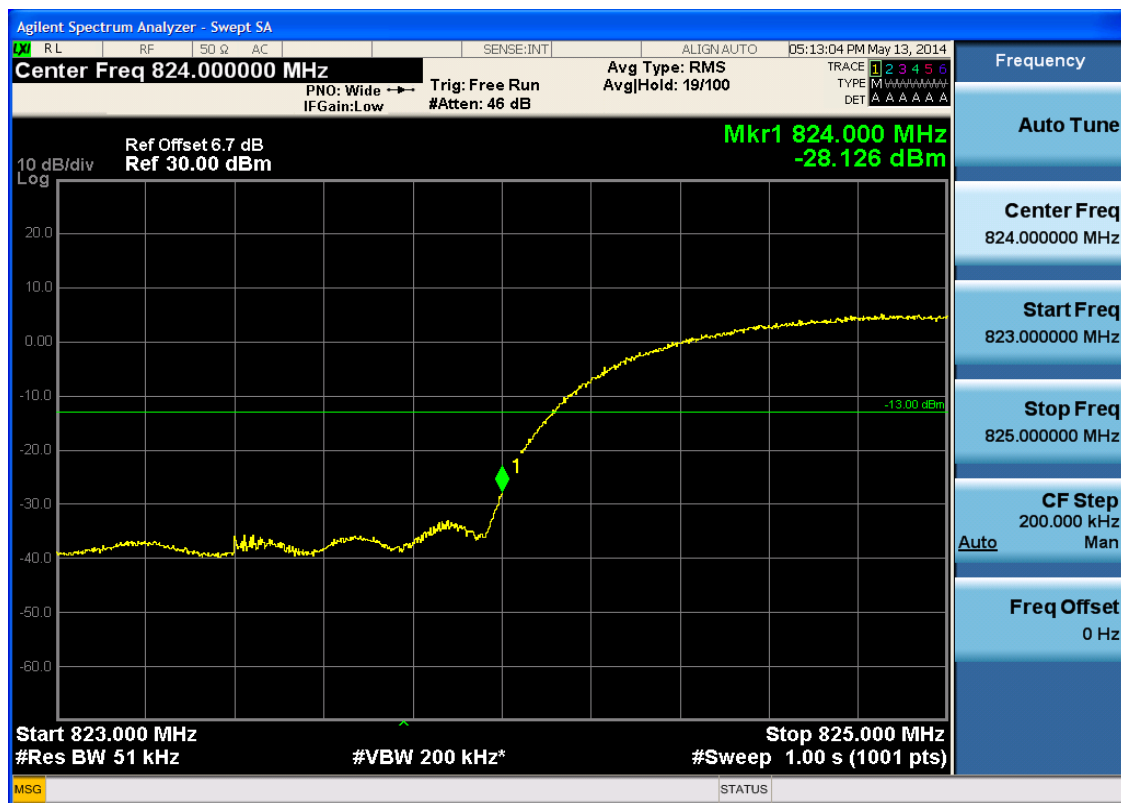


5.2 For UMTS

5.2.1 Test Band = WCDMA850

5.2.1.1 Test Mode = UMTS/TM1

5.2.1.1.1 Test Channel = LCH



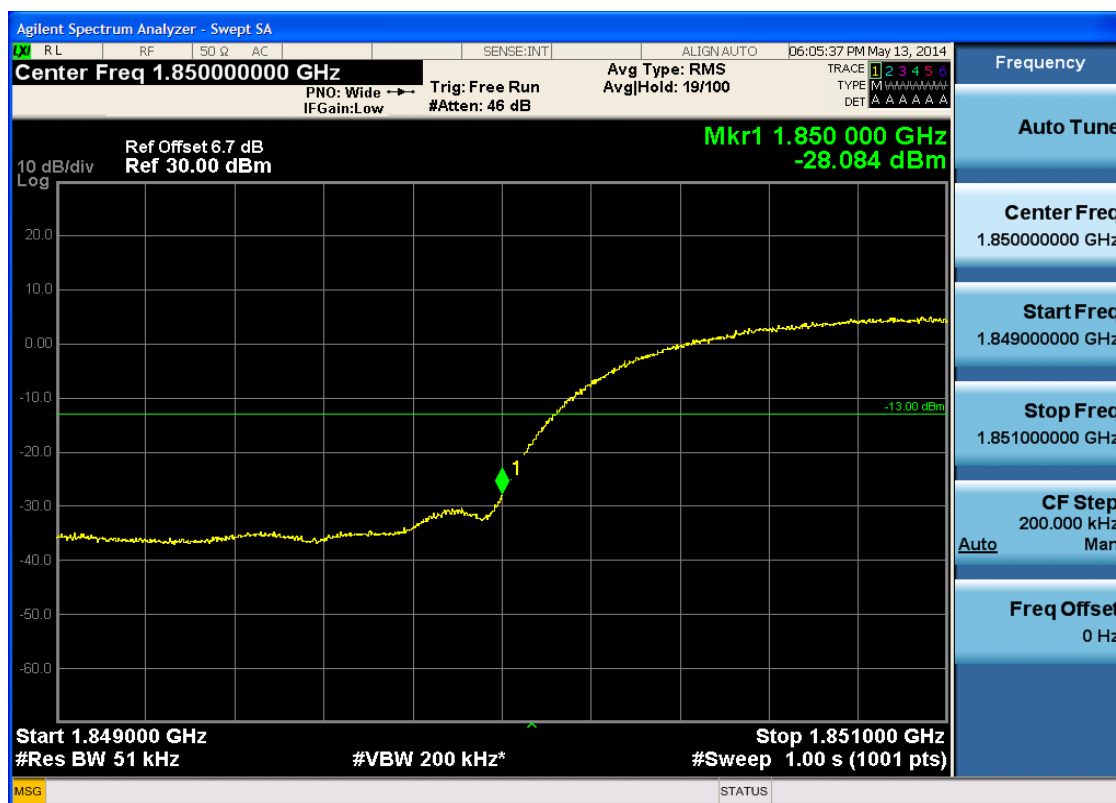
5.2.1.1.2 Test Channel = HCH



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.

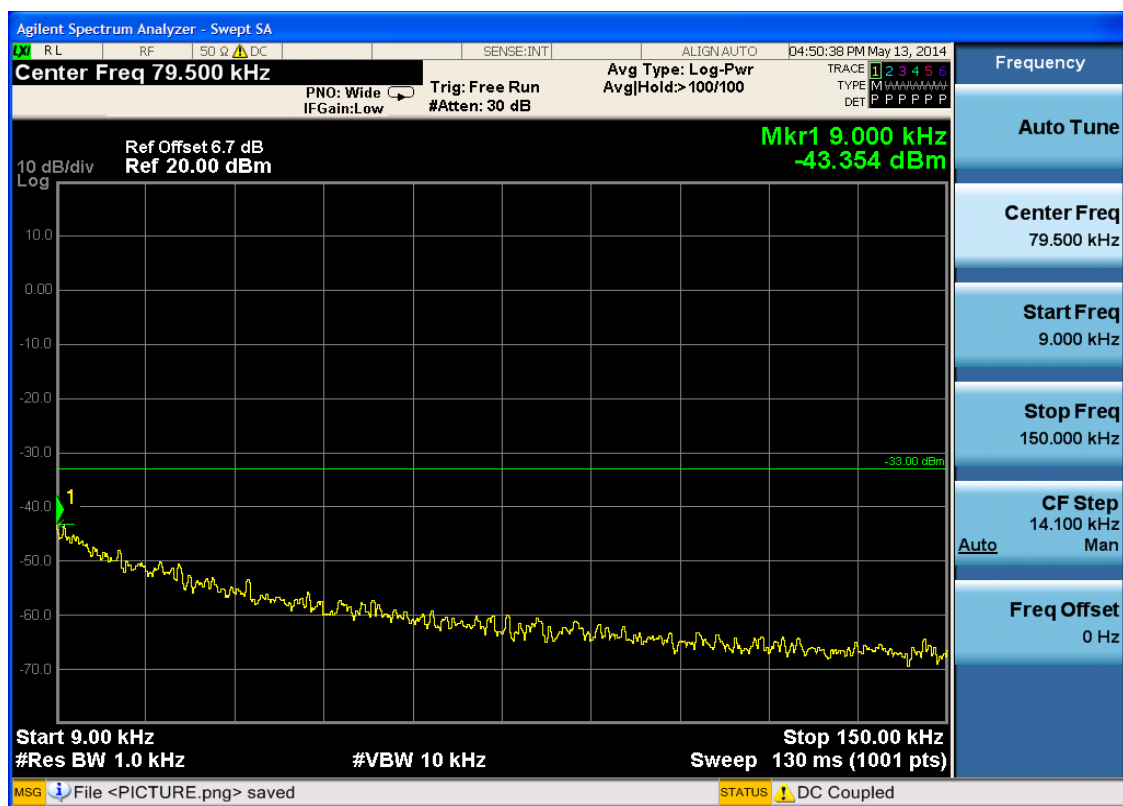
Part I - Test Plots

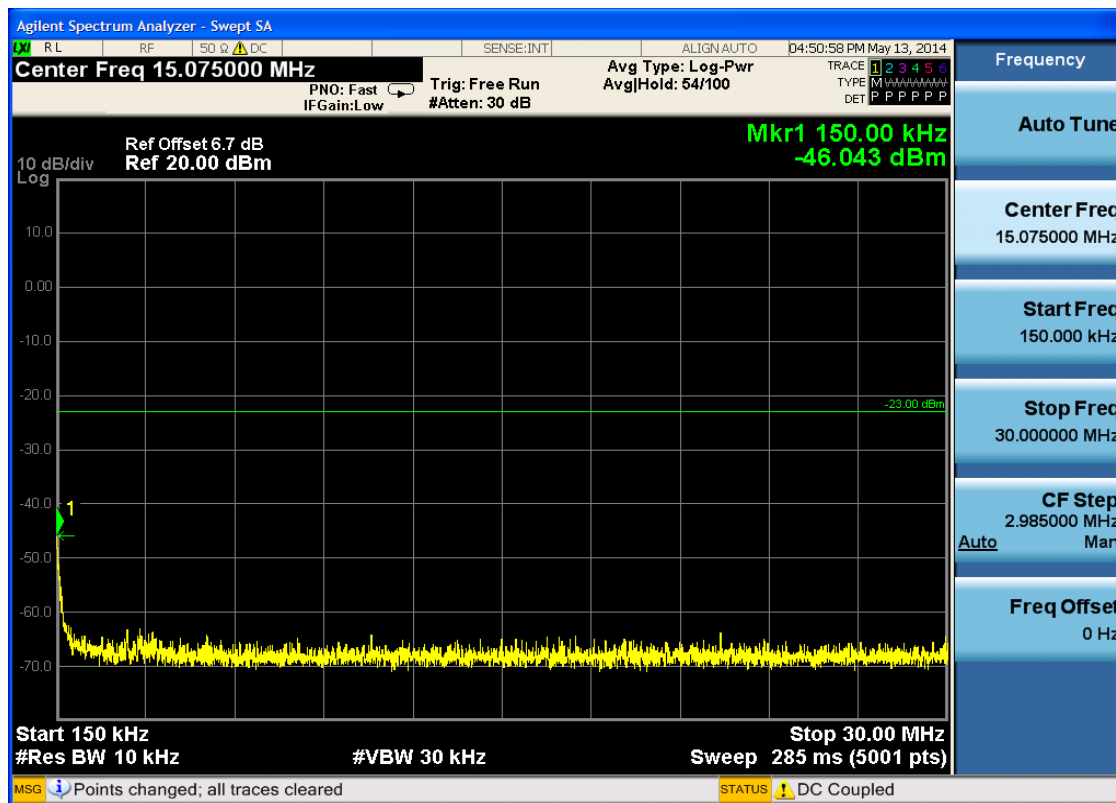
6.1 For GSM

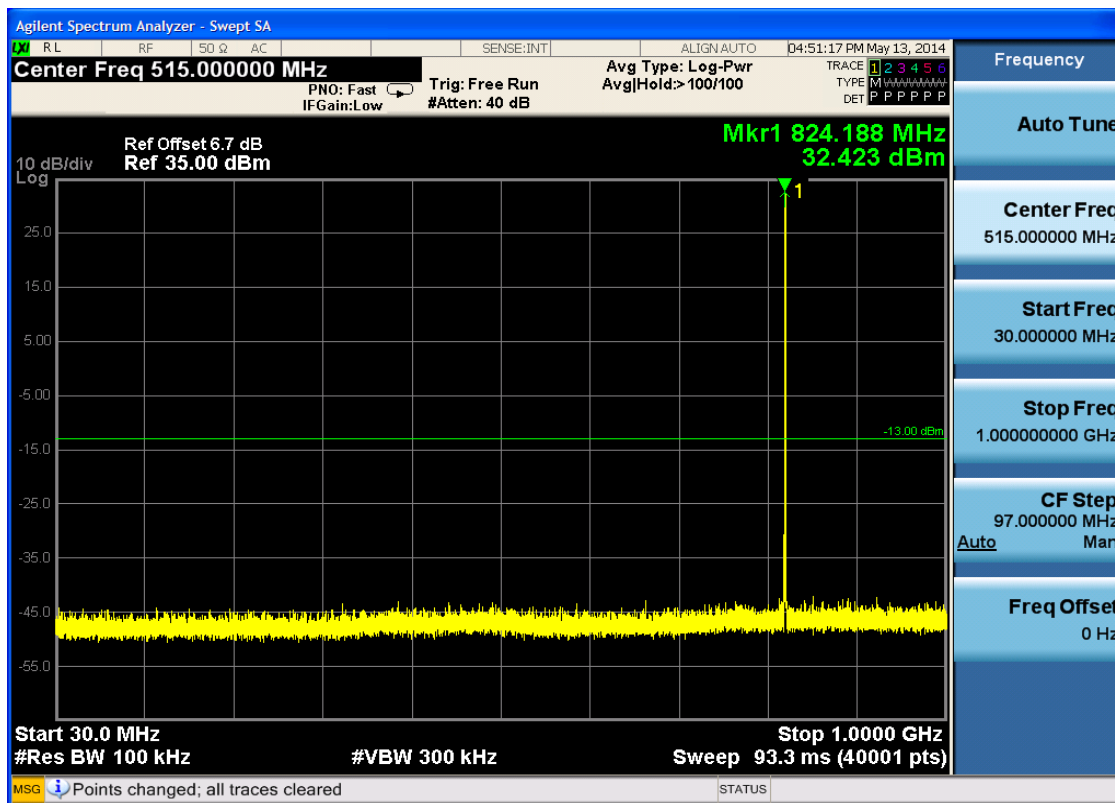
6.1.1 Test Band = GSM850

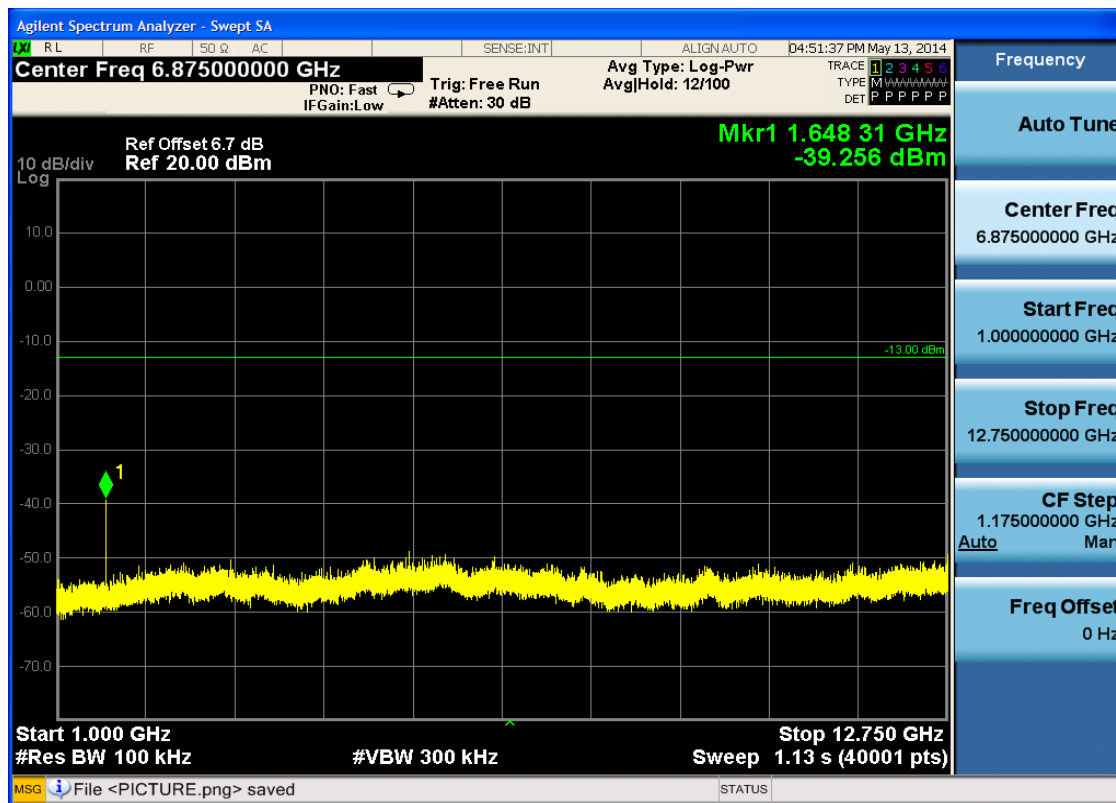
6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH



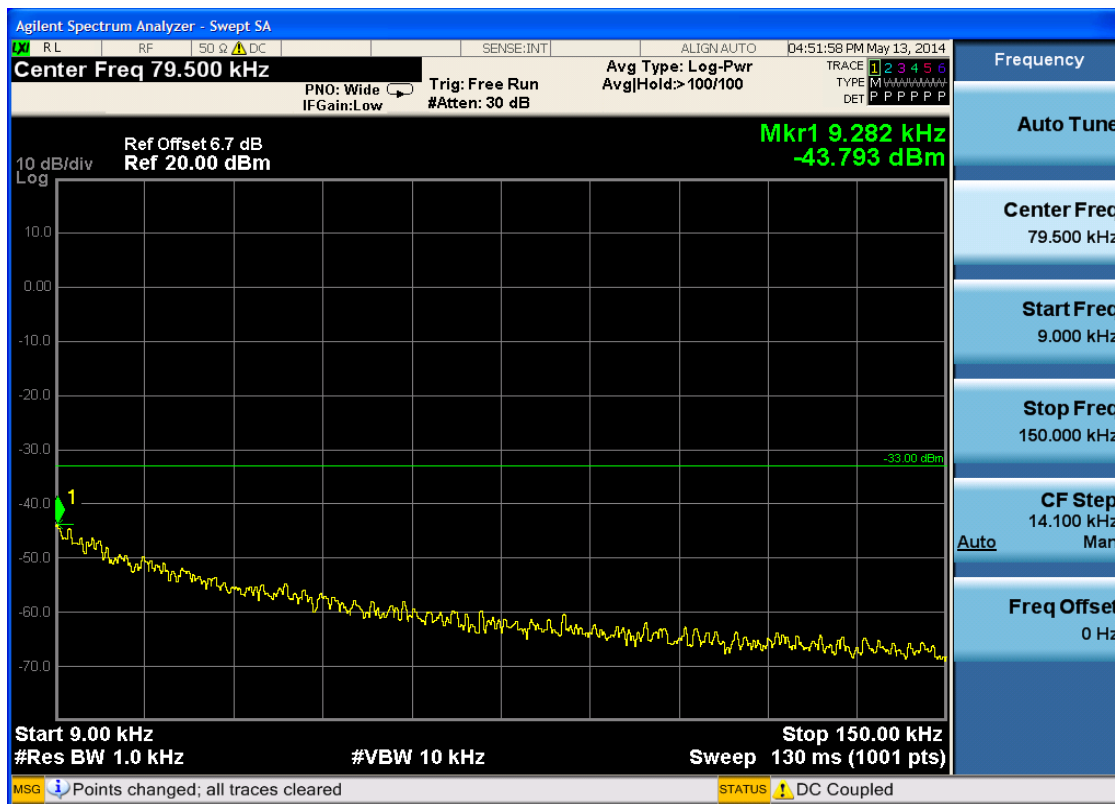


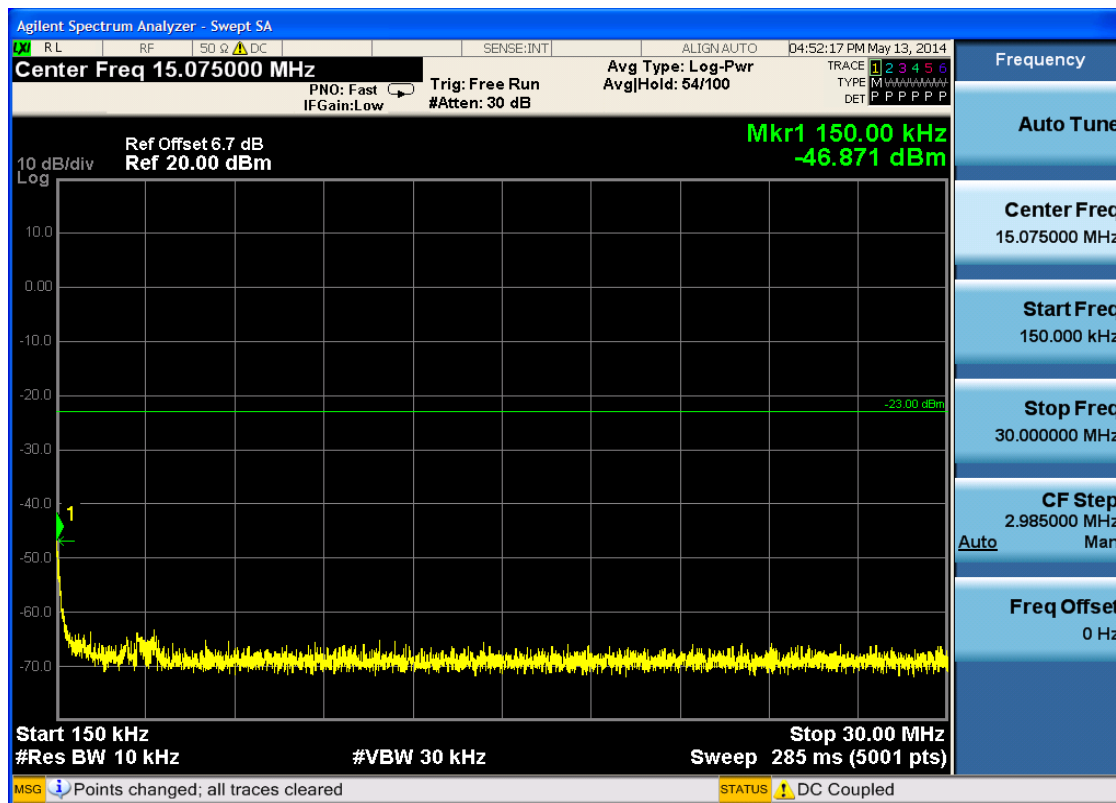


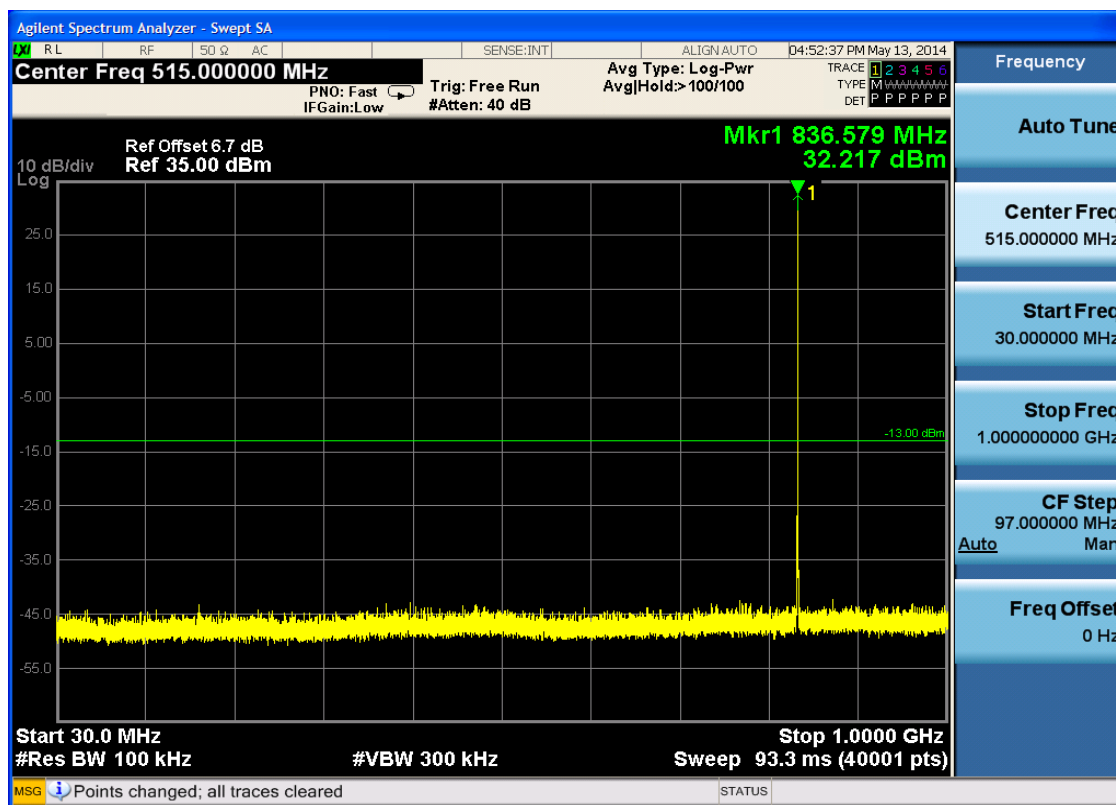


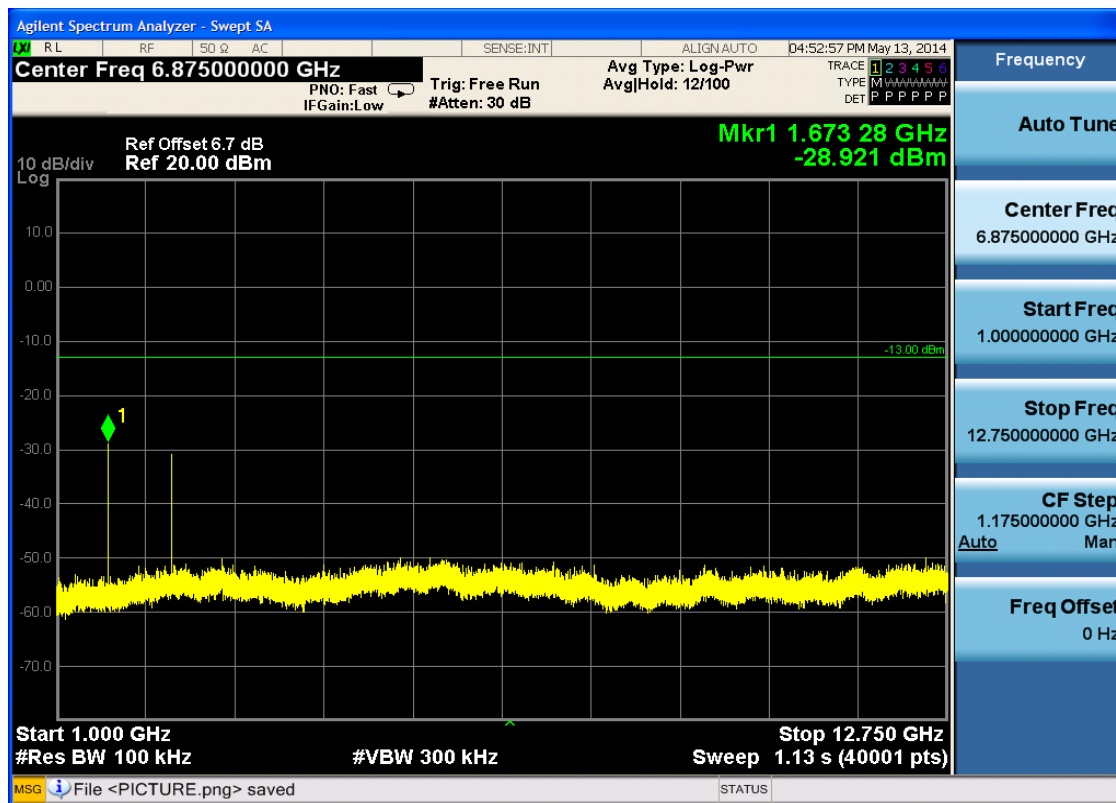


6.1.1.1.2 Test Channel = MCH



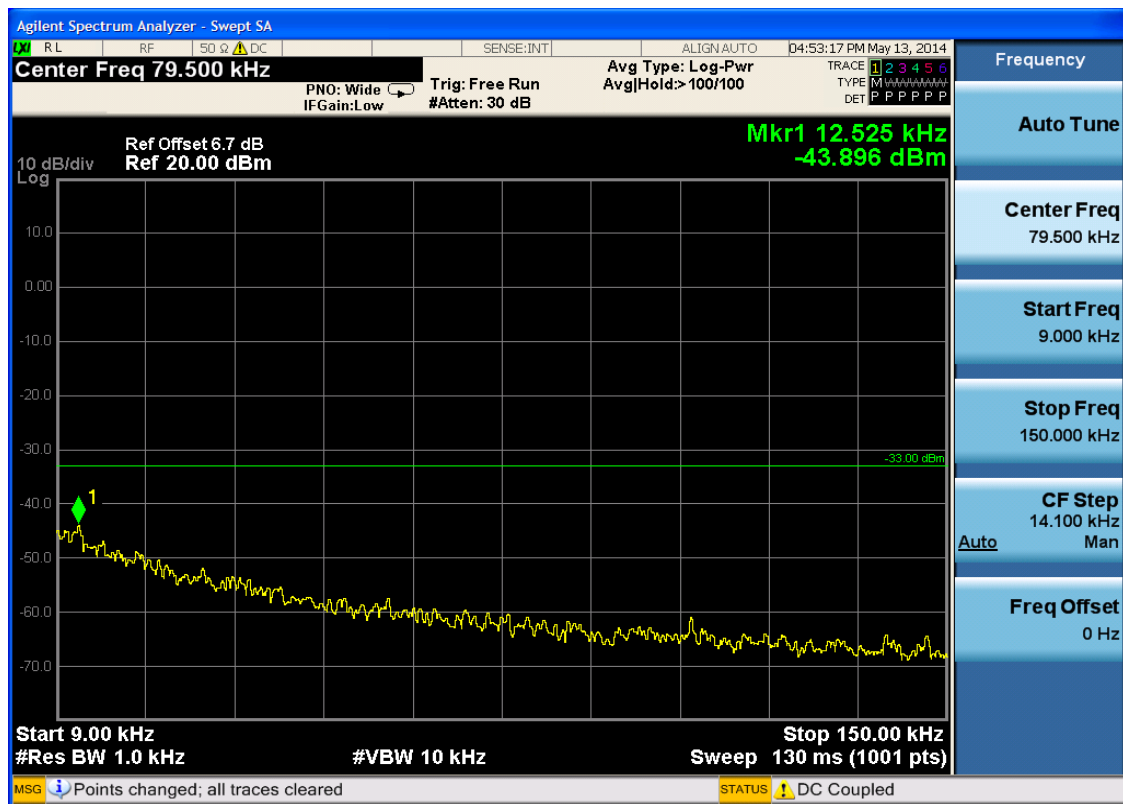


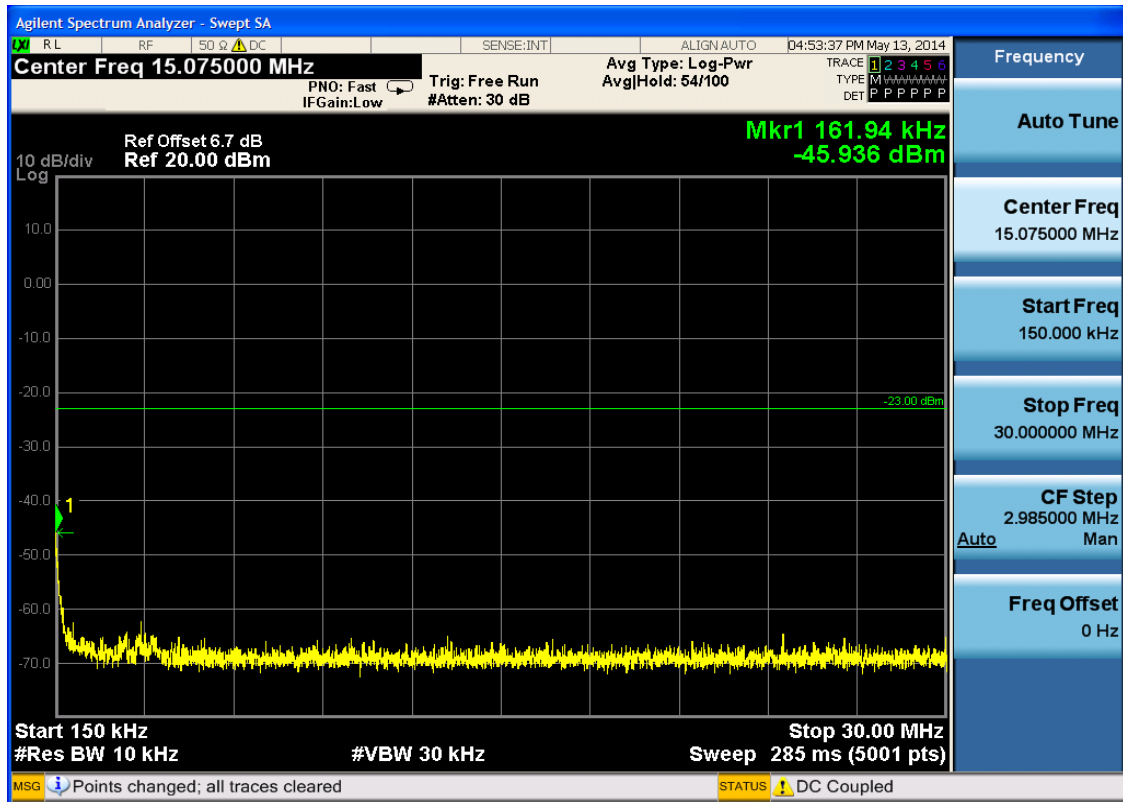


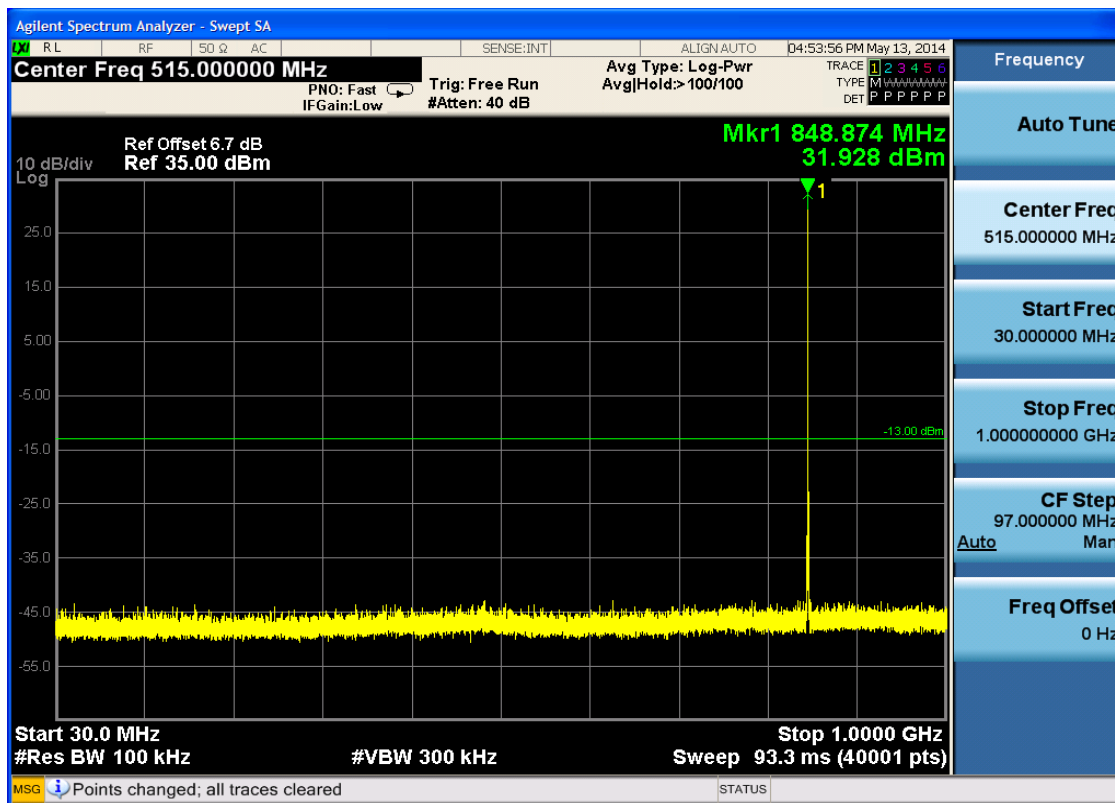


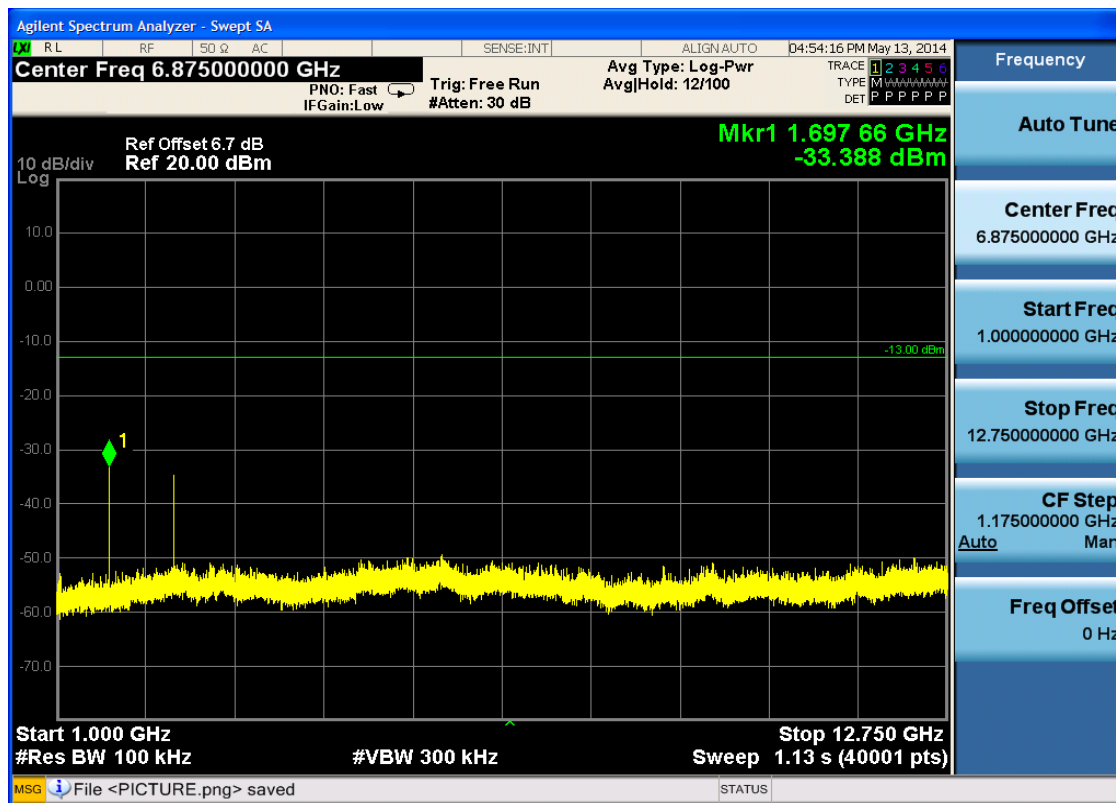


6.1.1.1.3 Test Channel = HCH



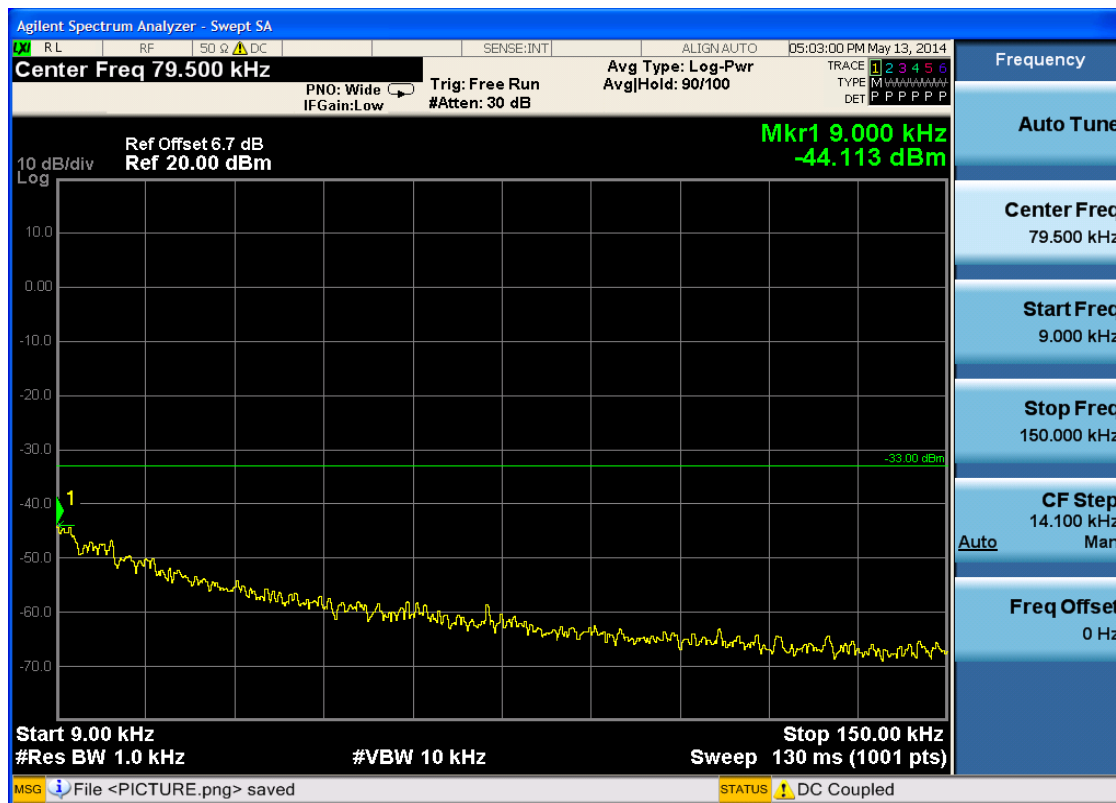


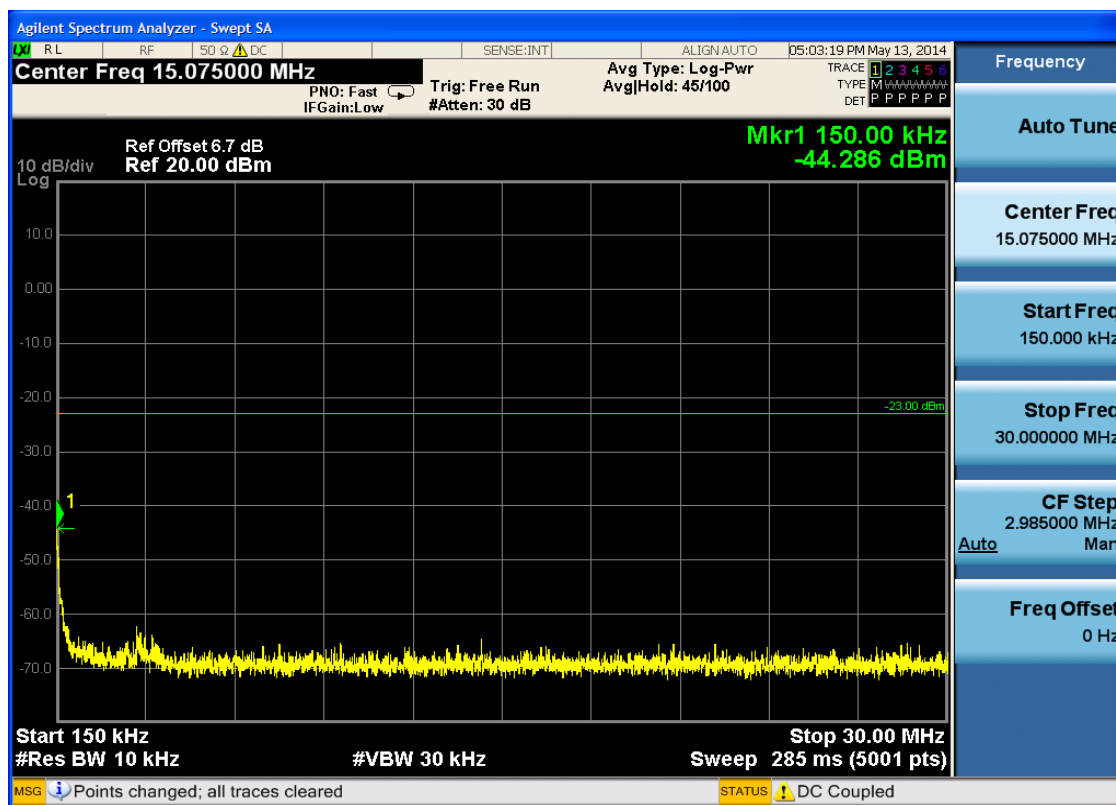


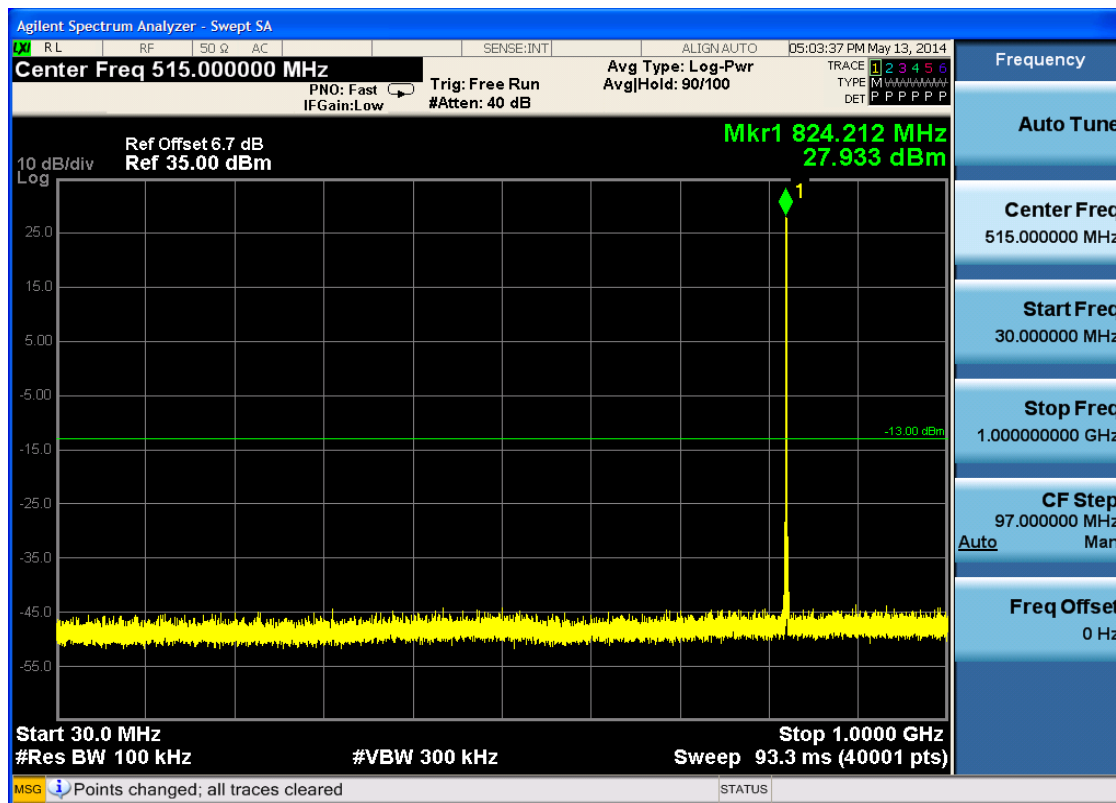


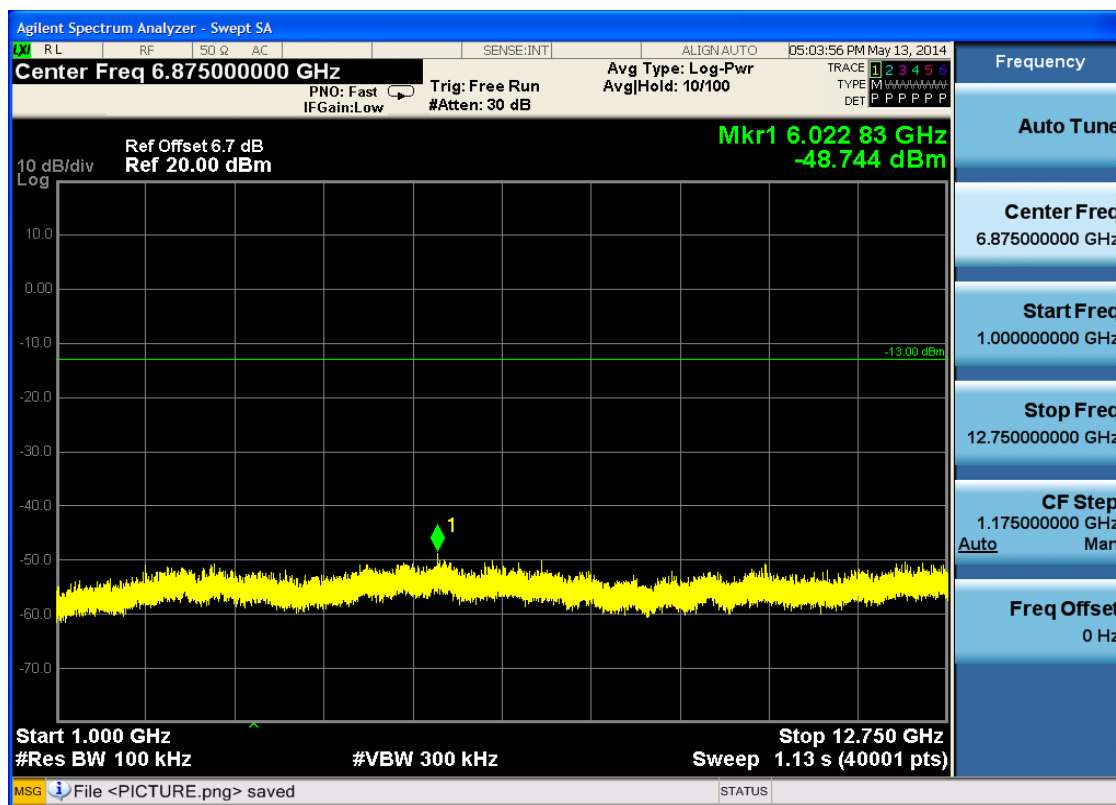
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH

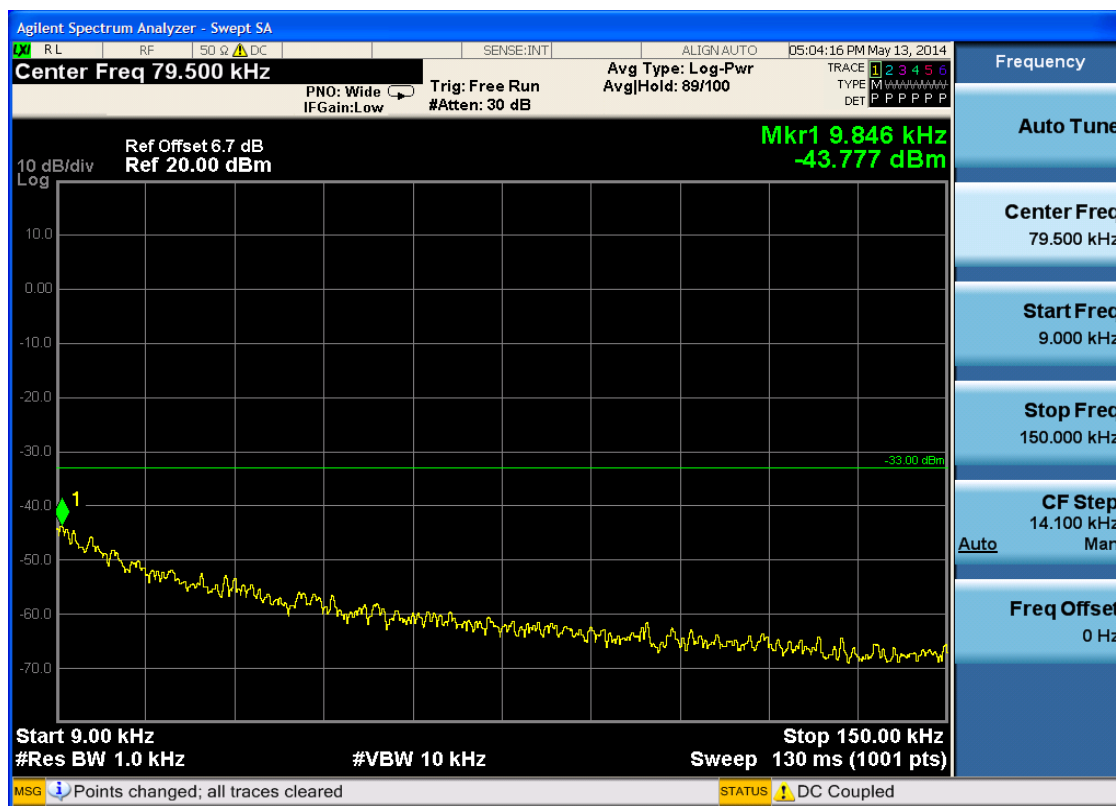


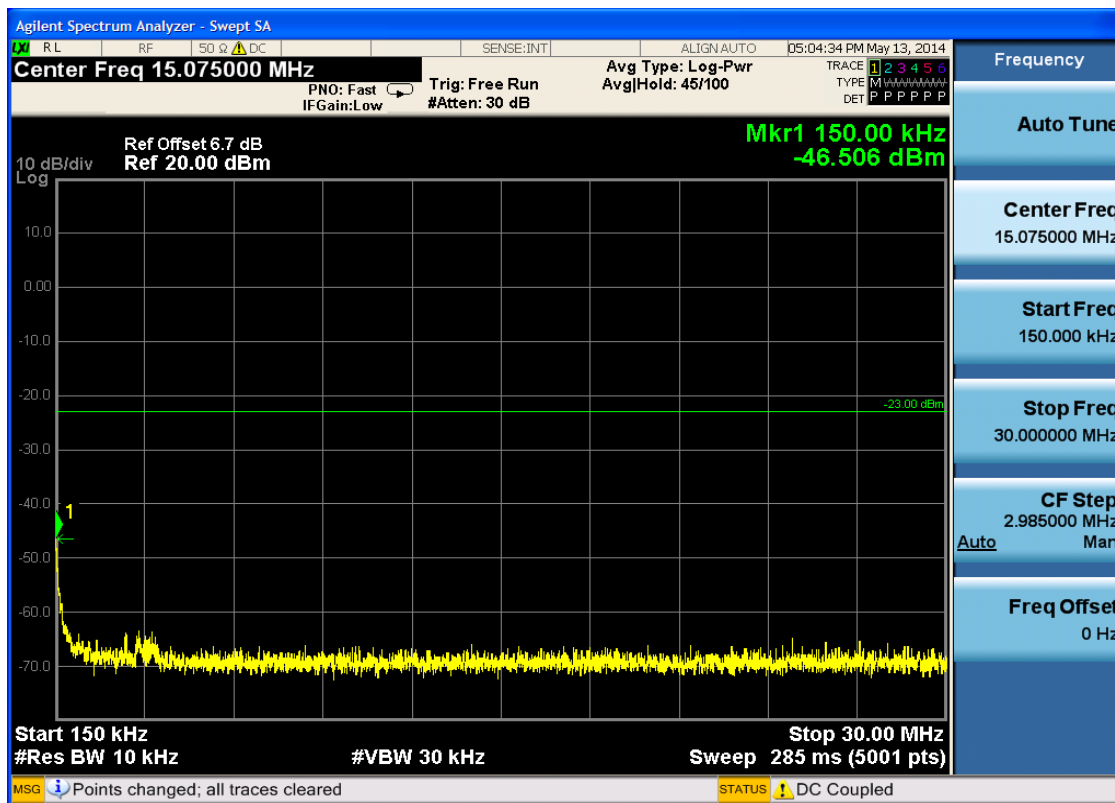


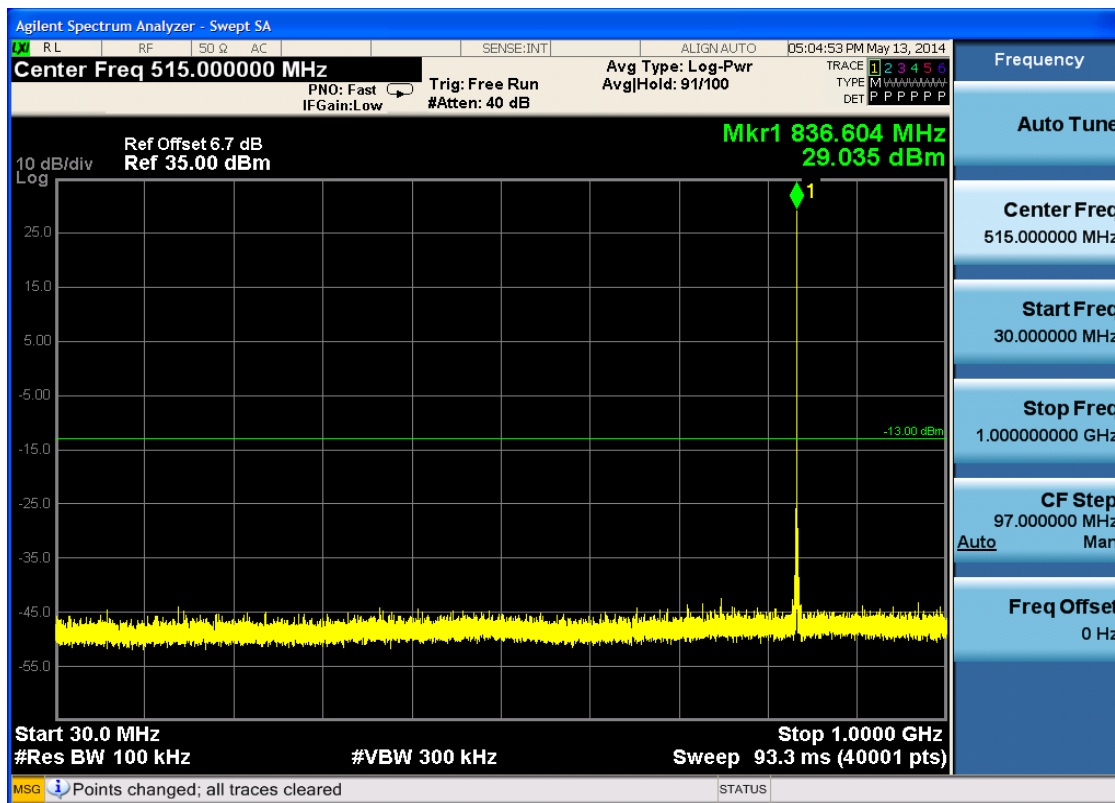


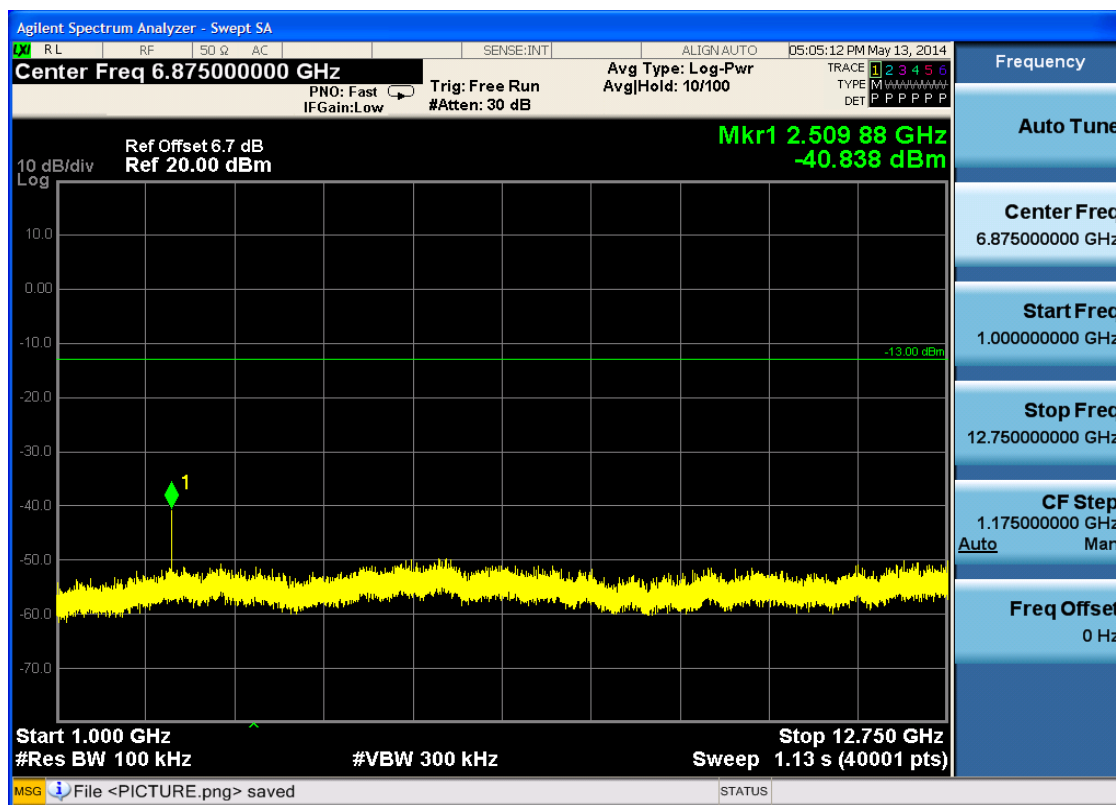


6.1.1.2.2 Test Channel = MCH



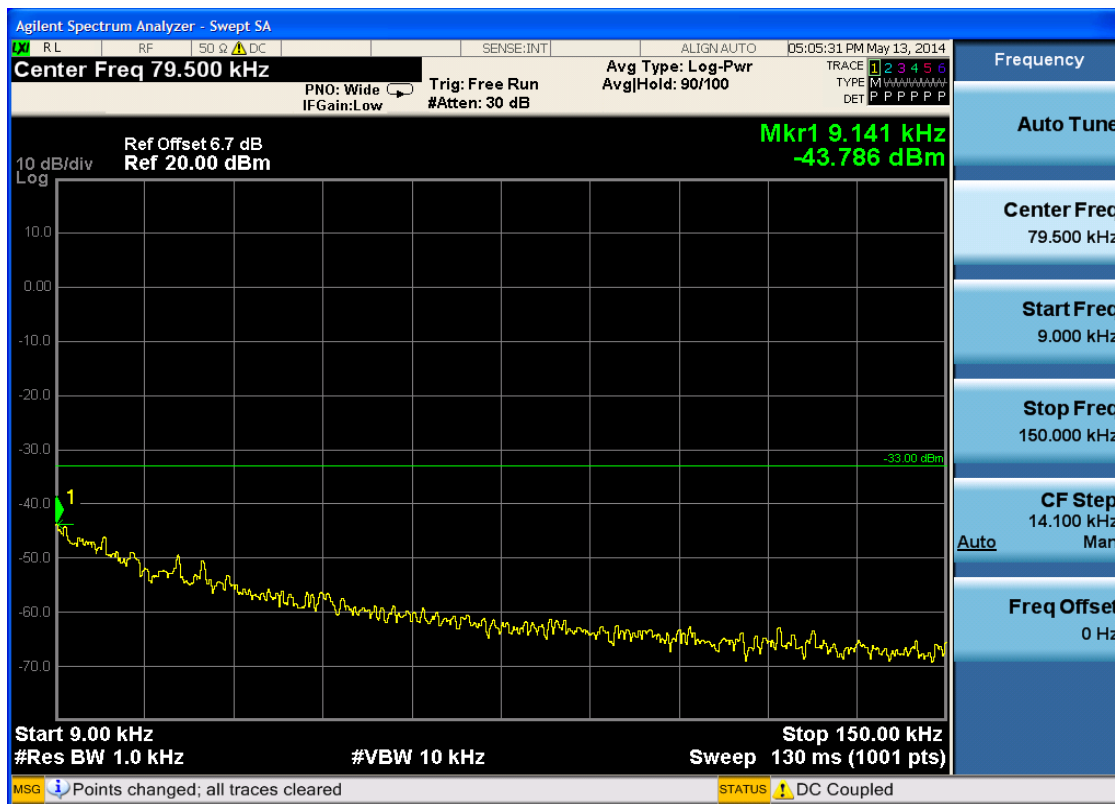


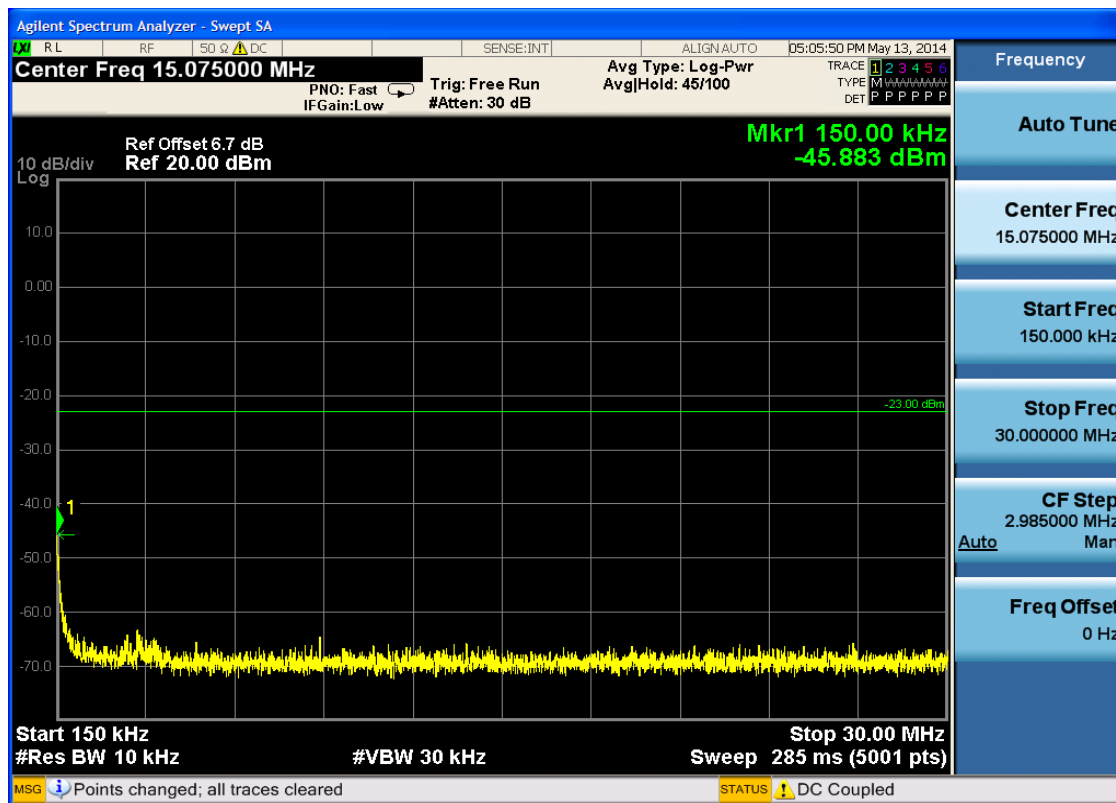


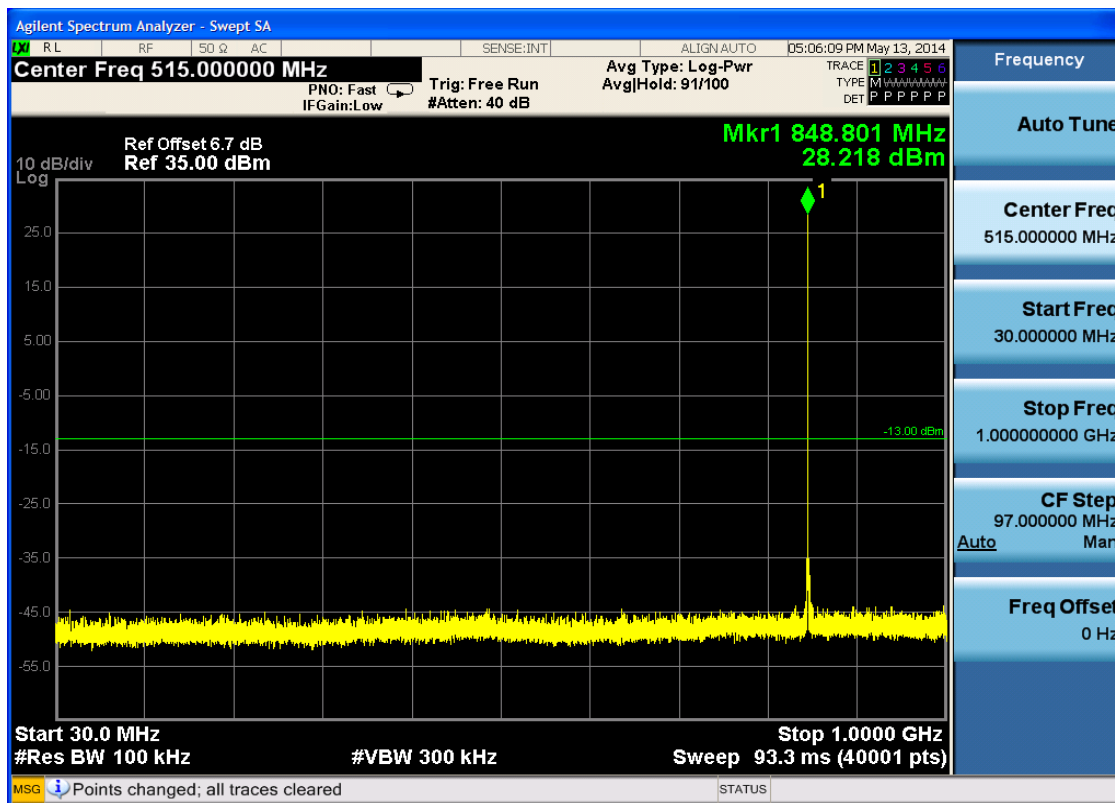


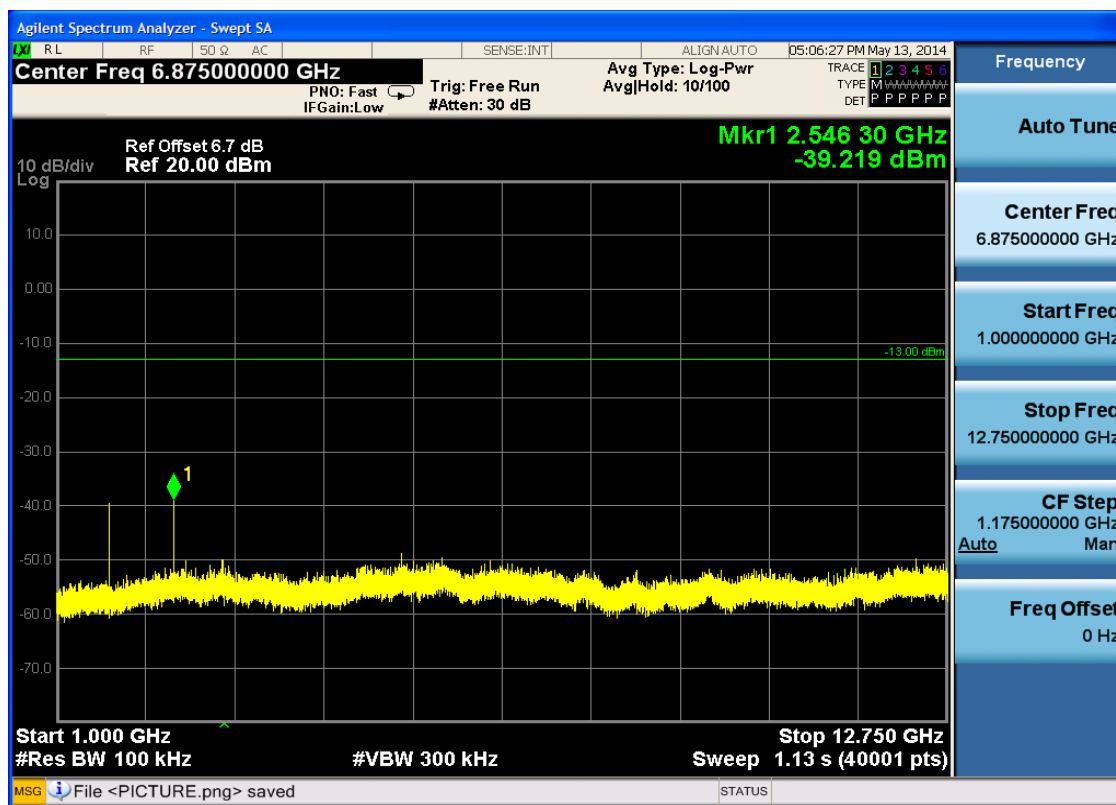


6.1.1.2.3 Test Channel = HCH





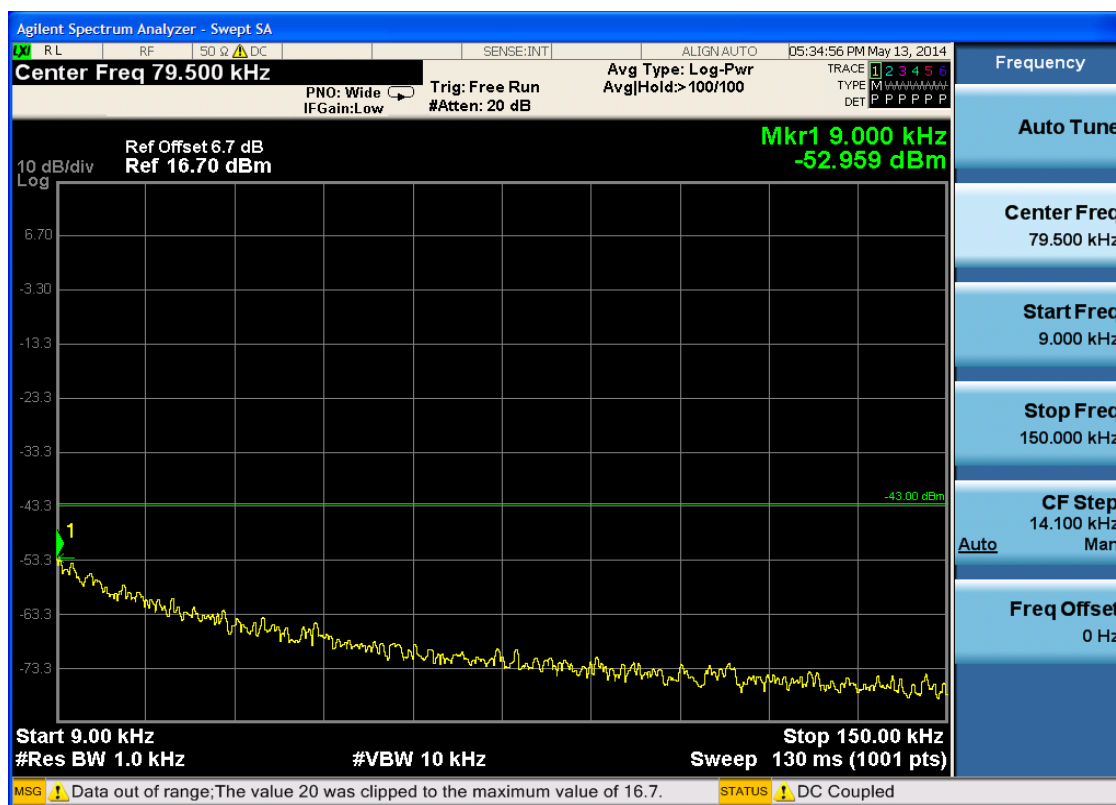


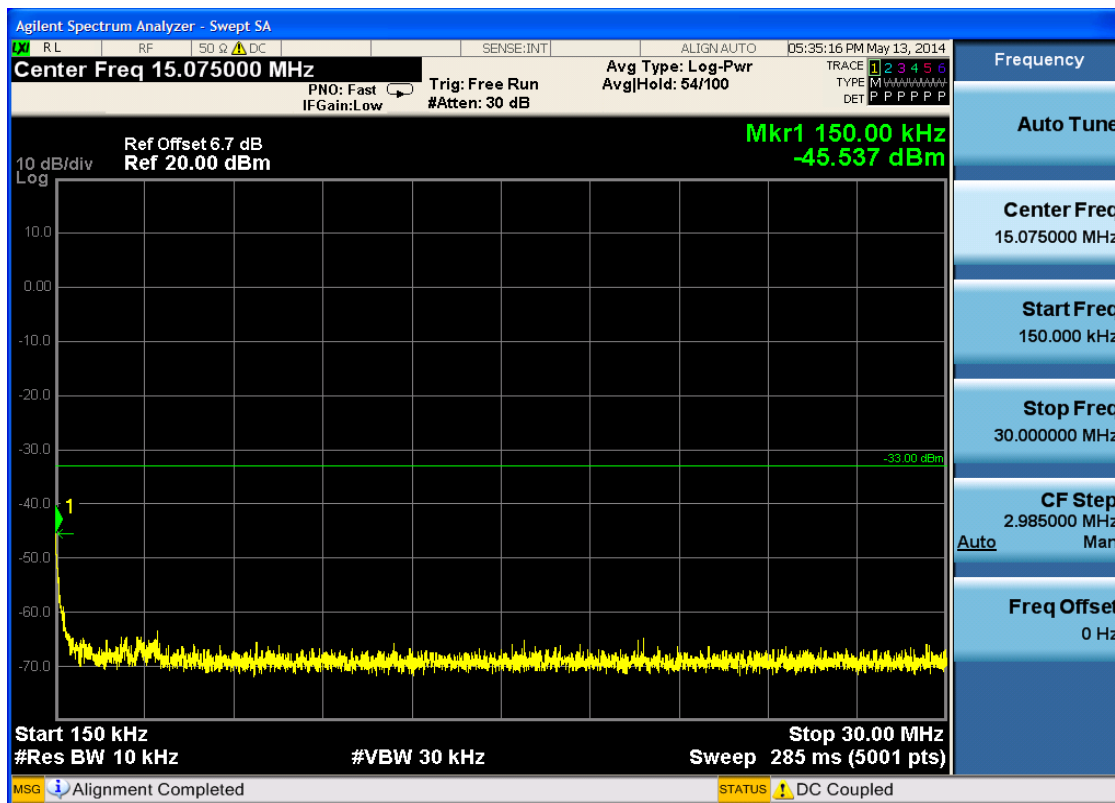


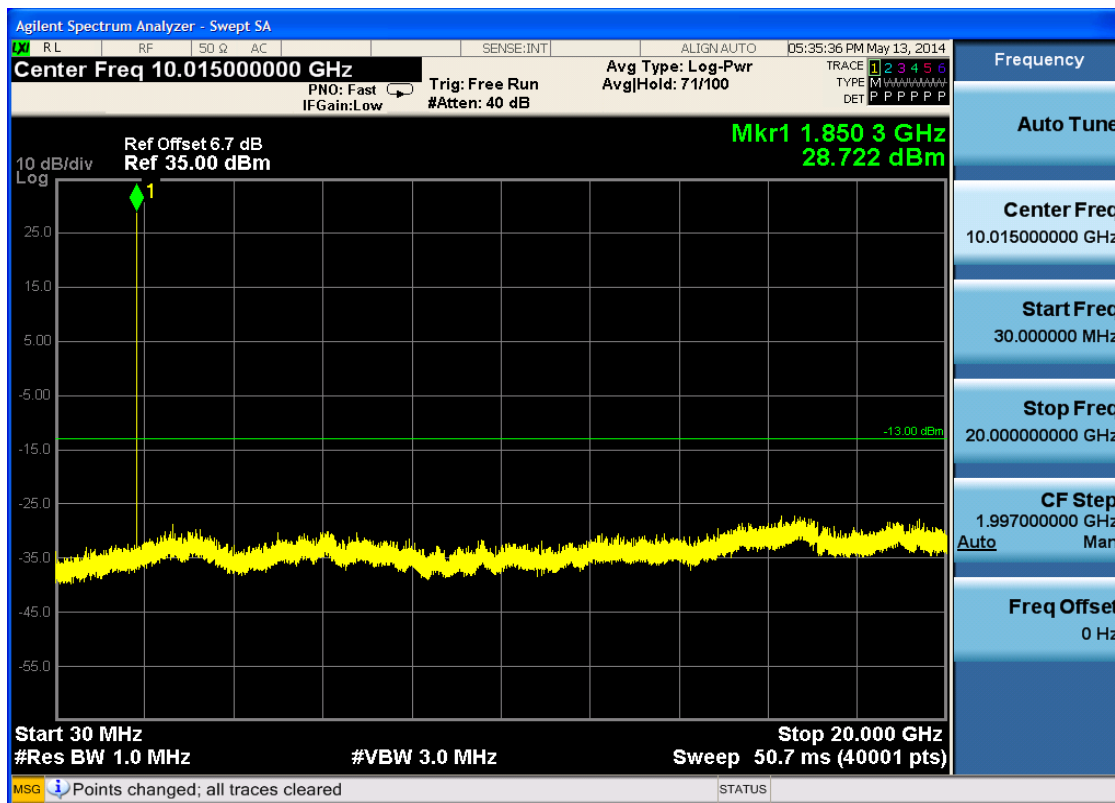
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

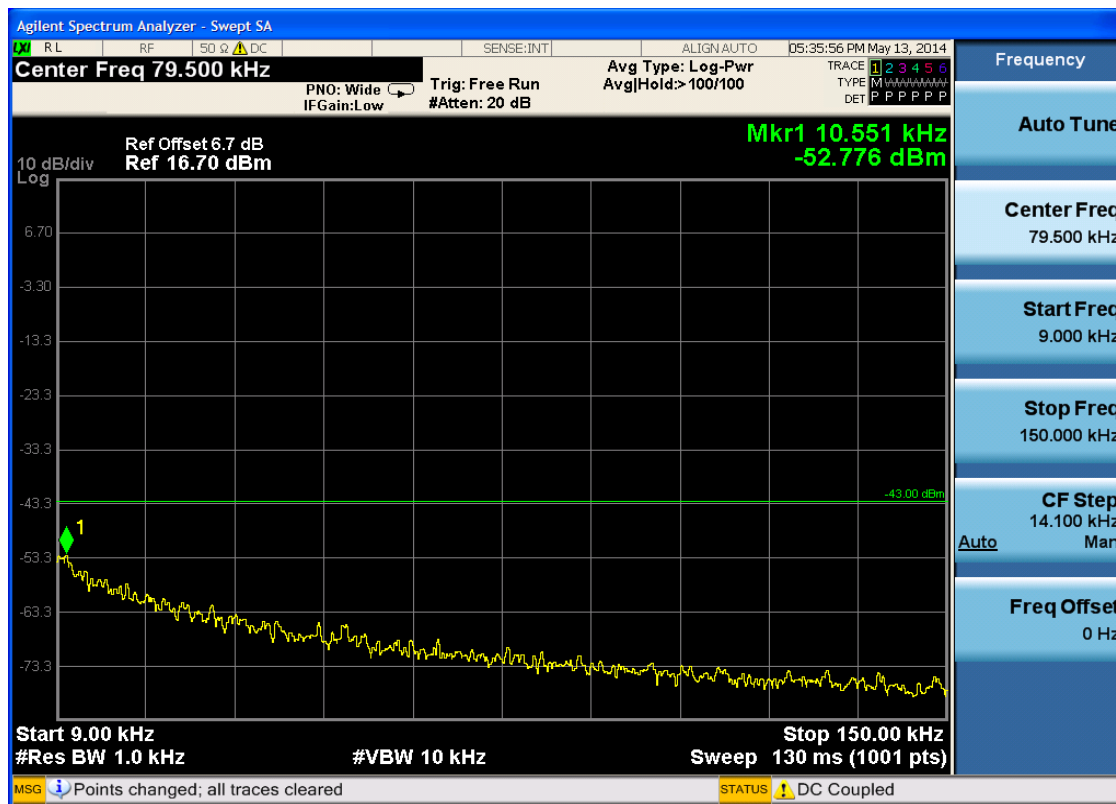


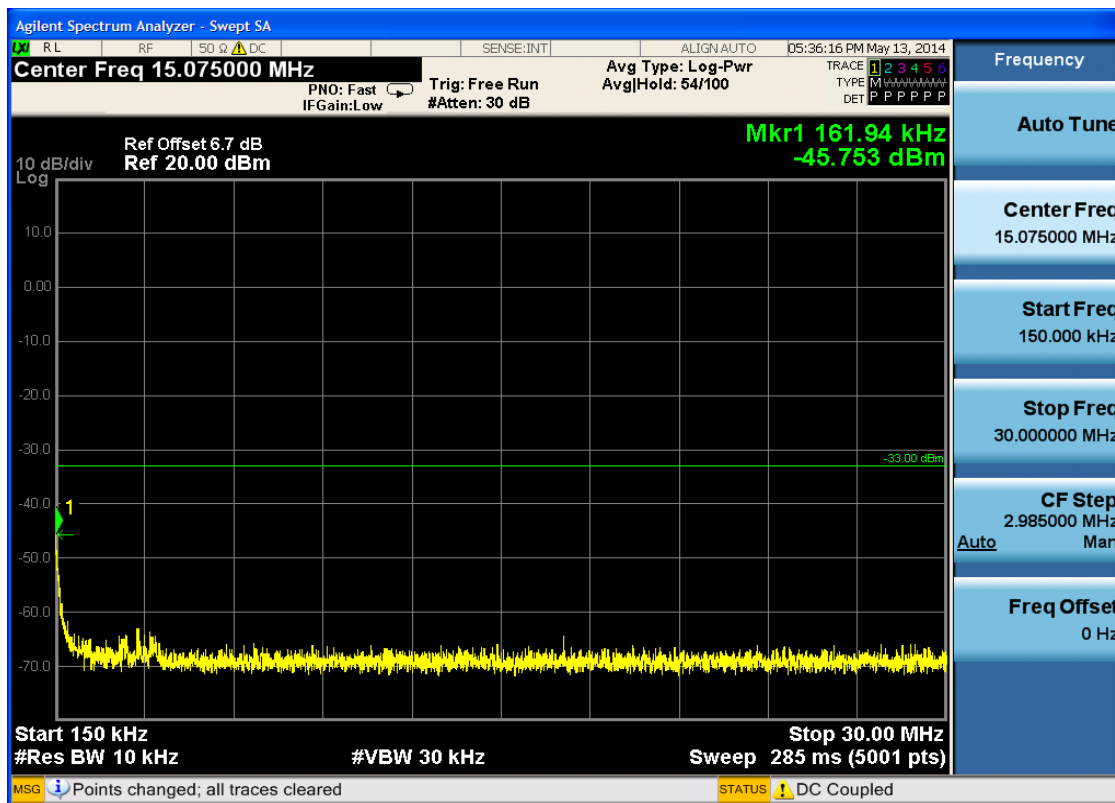


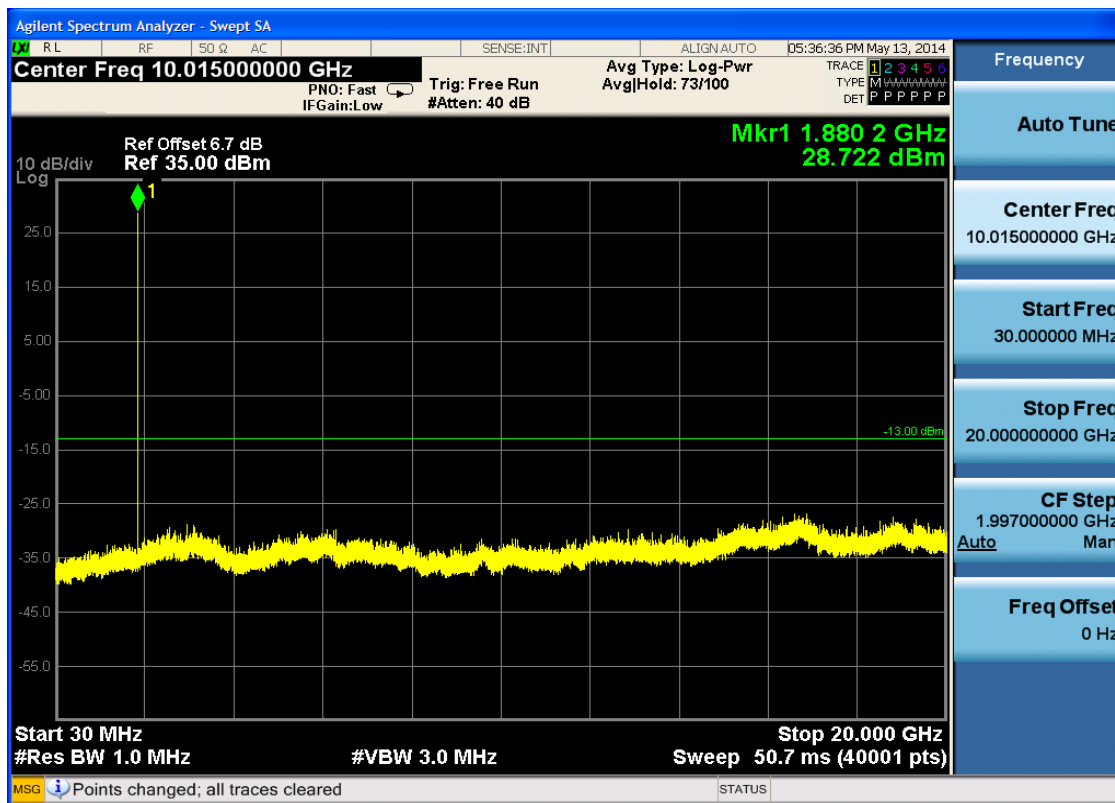




6.1.2.1.2 Test Channel = MCH

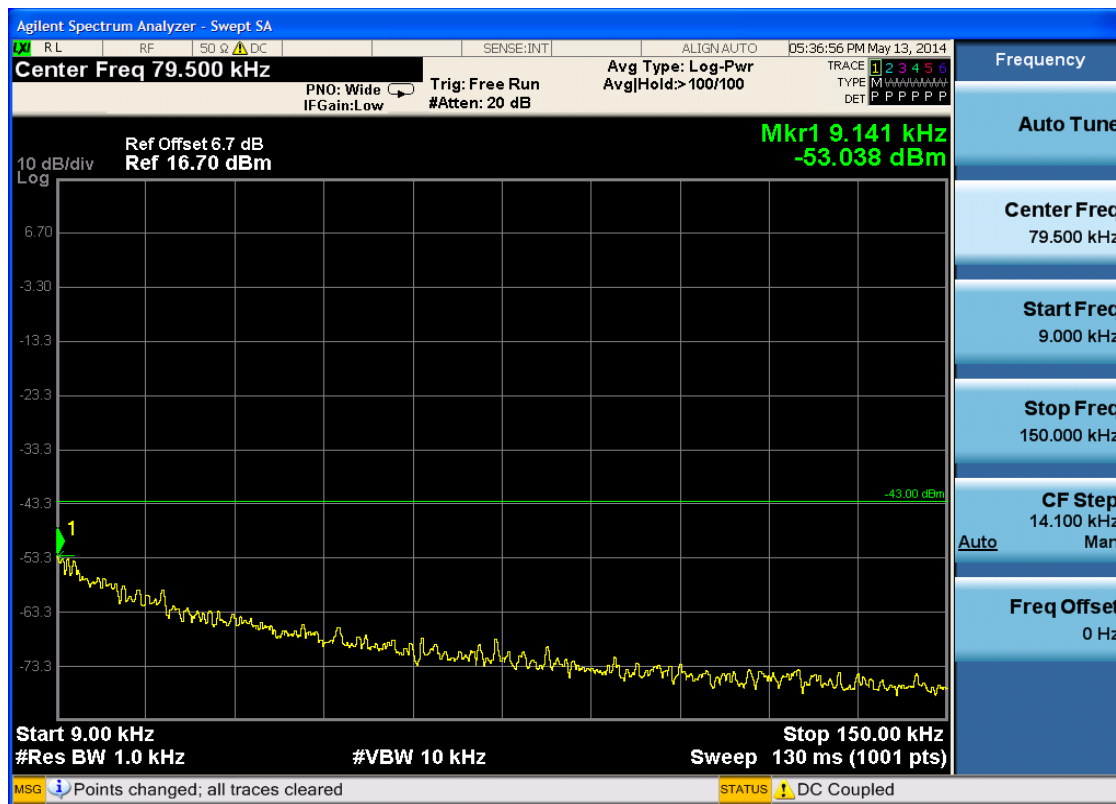


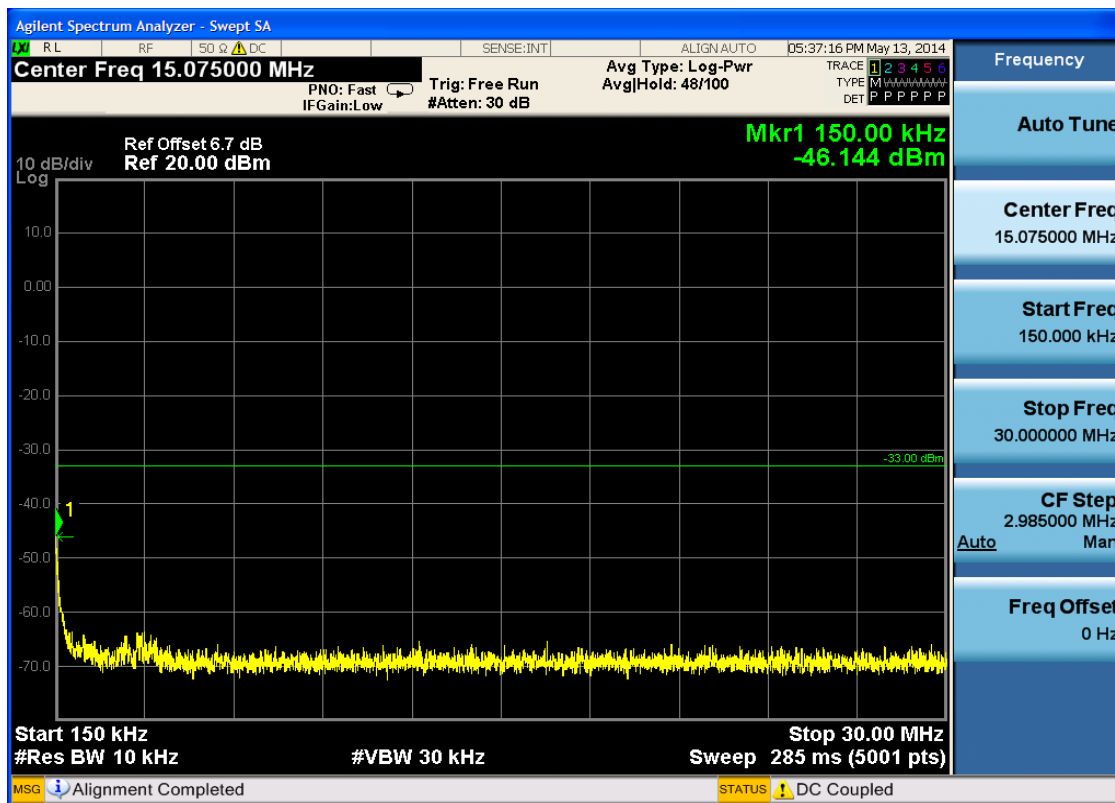


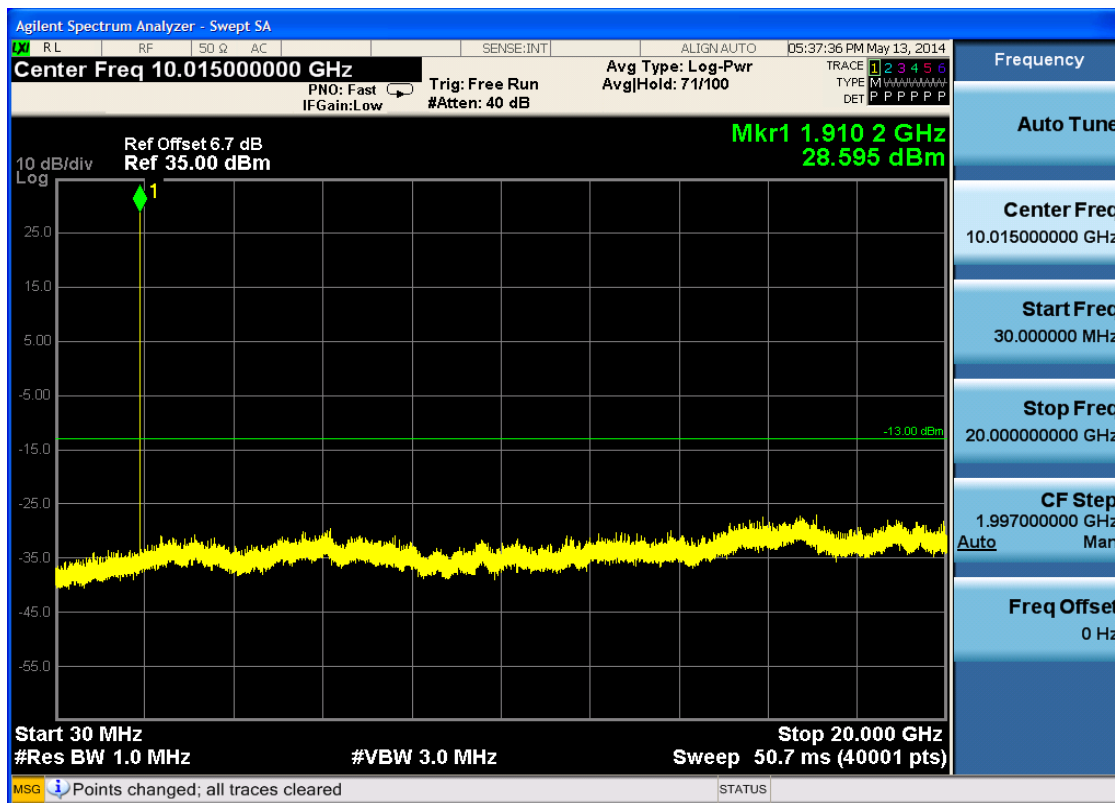




6.1.2.1.3 Test Channel = HCH

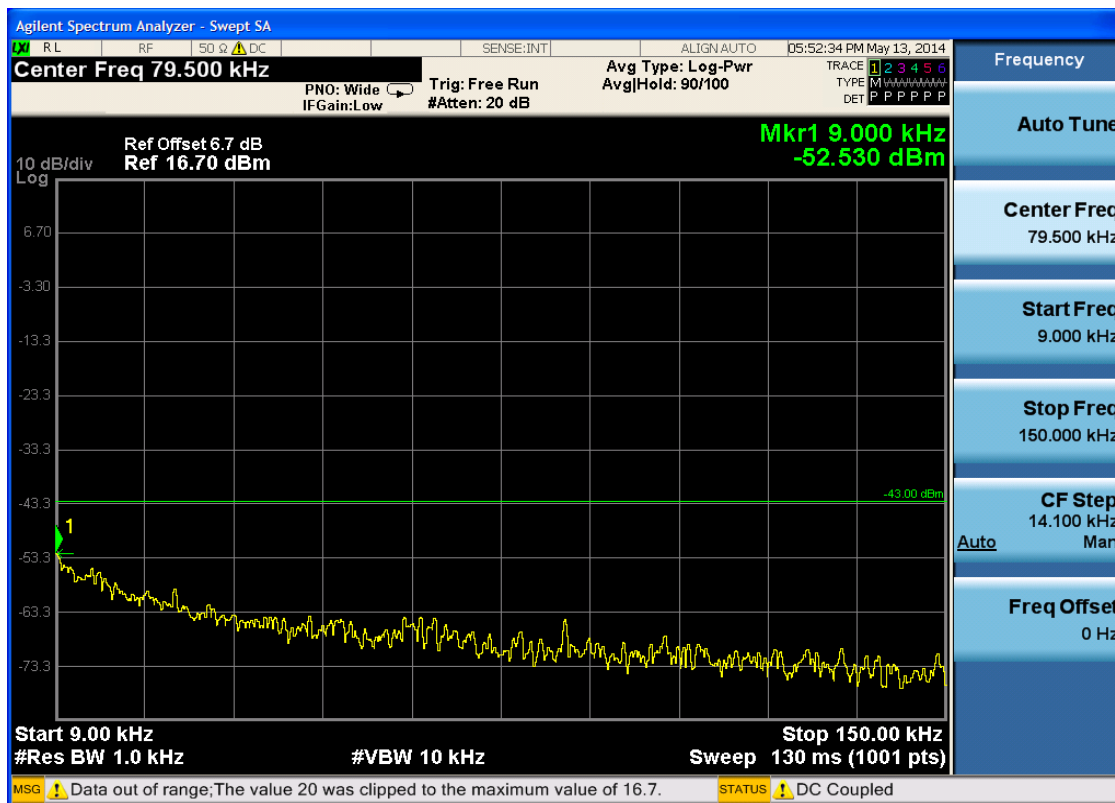


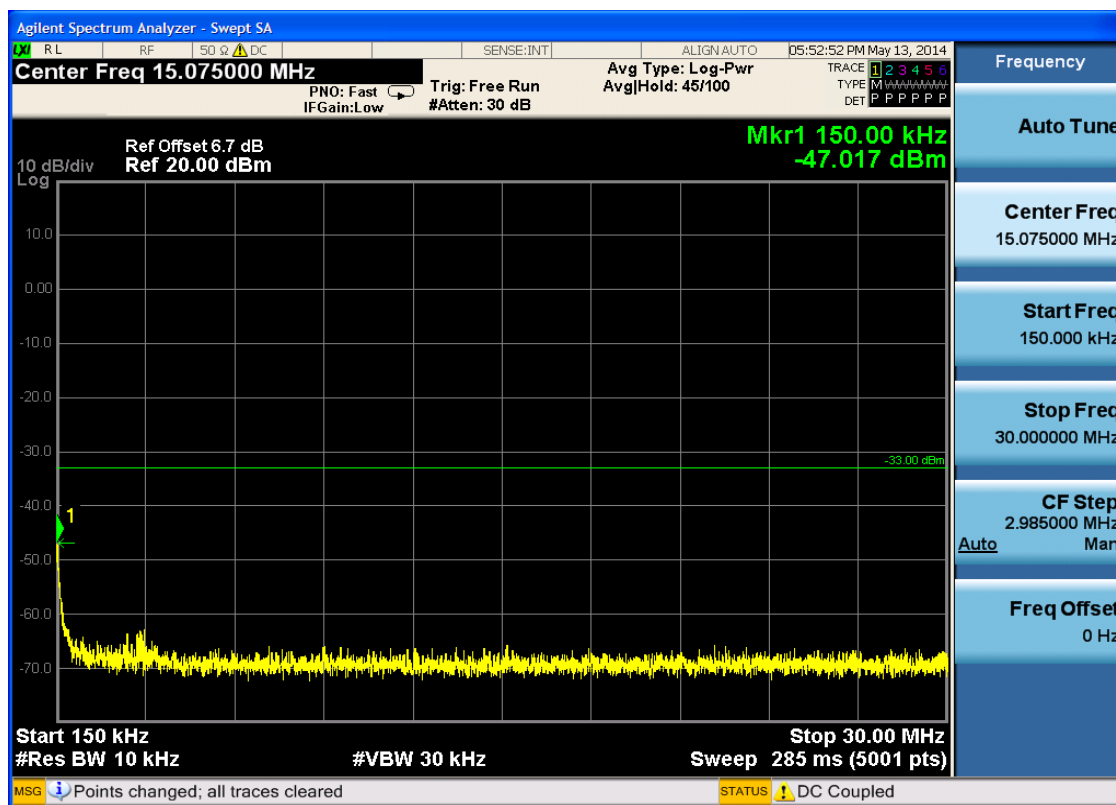


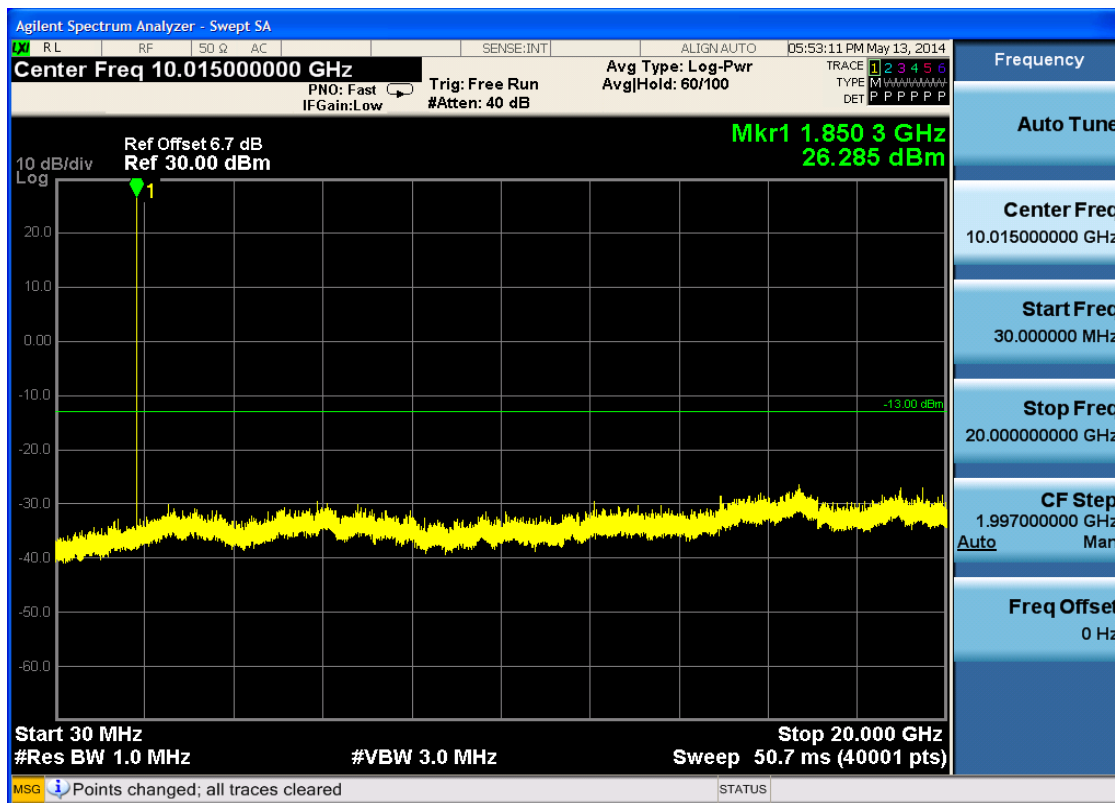


6.1.2.2 Test Mode = GSM/TM2

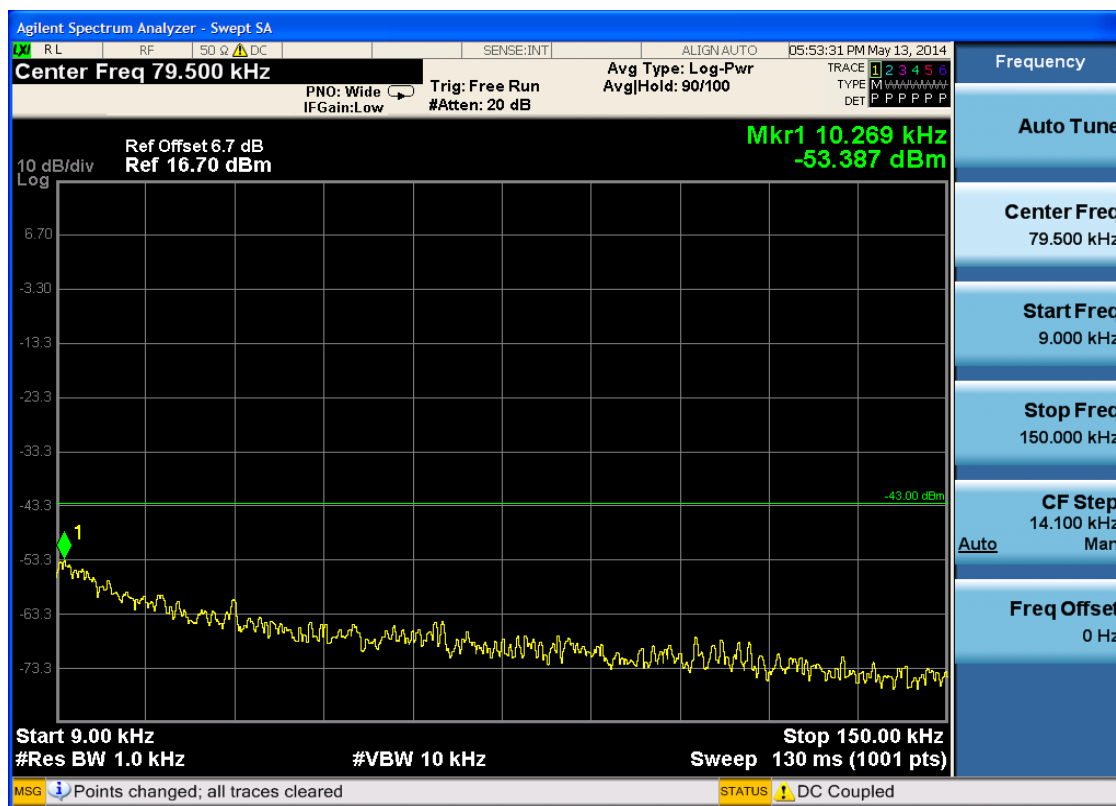
6.1.2.2.1 Test Channel = LCH

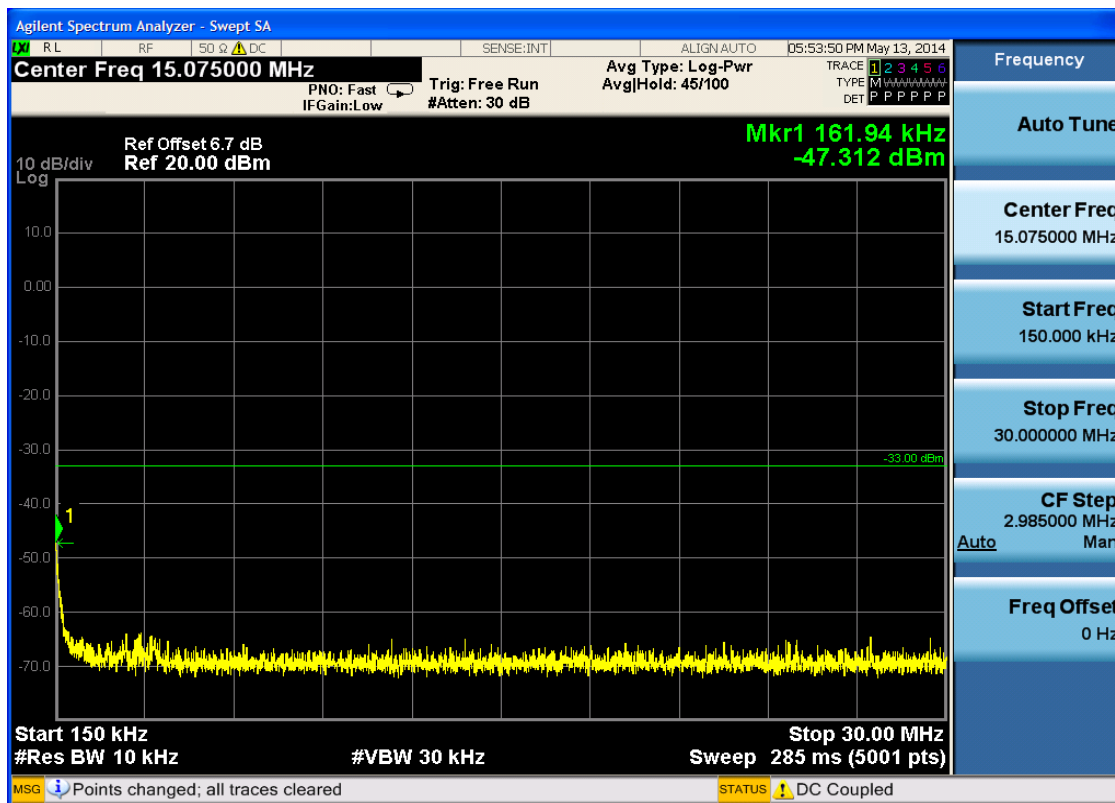


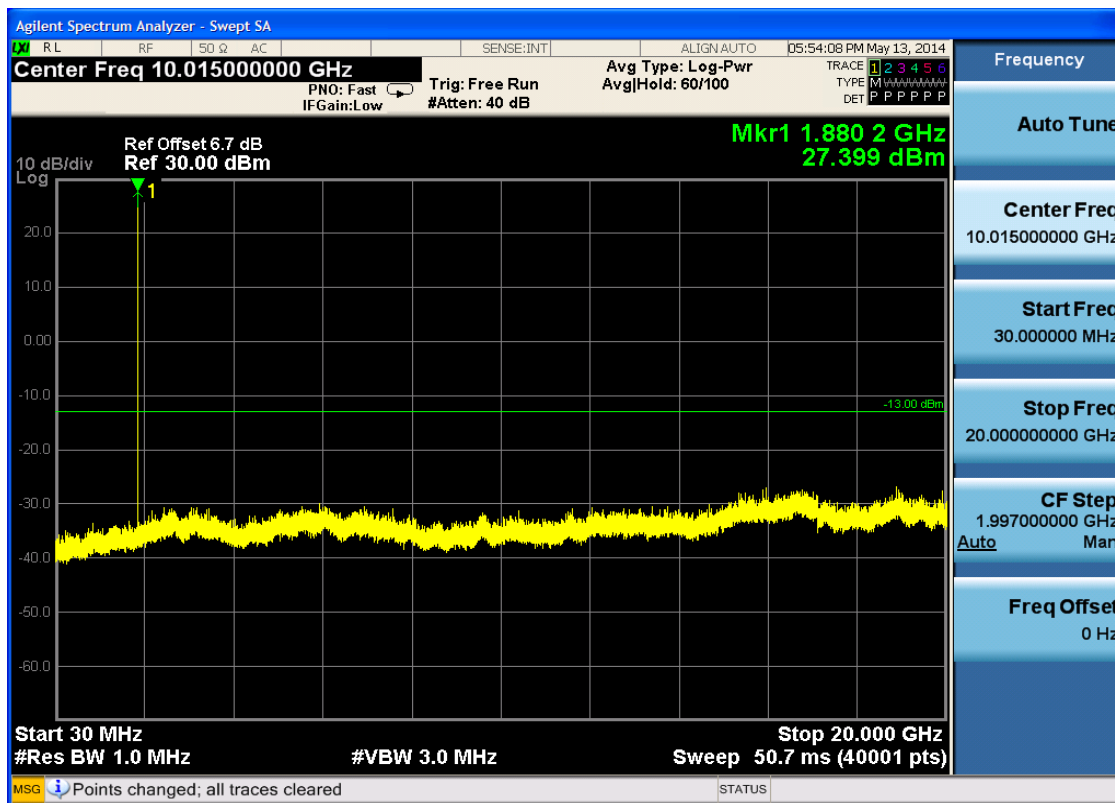




6.1.2.2.2 Test Channel = MCH

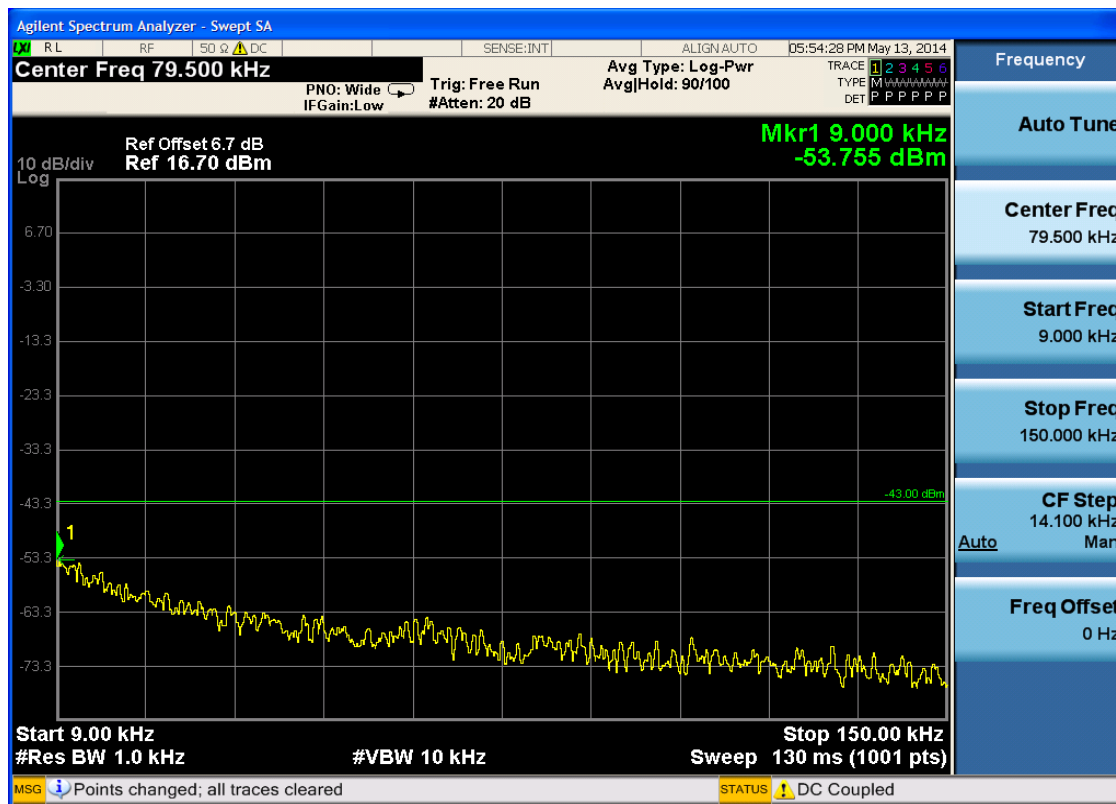


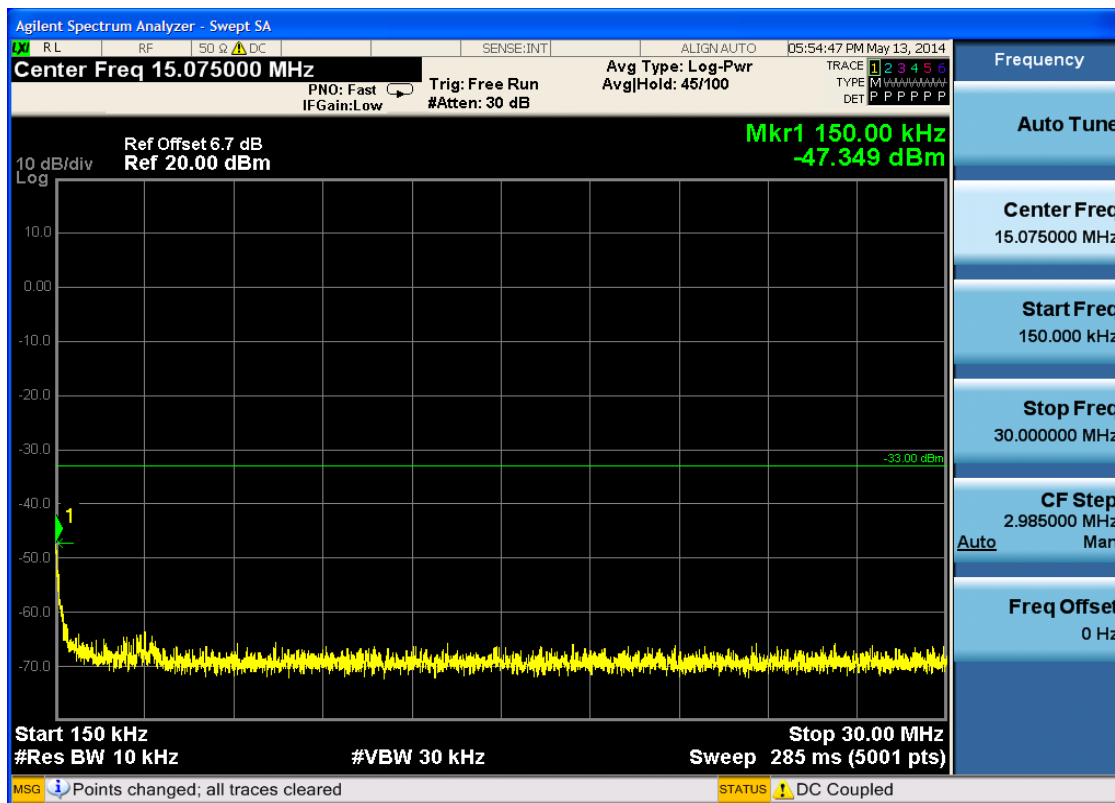


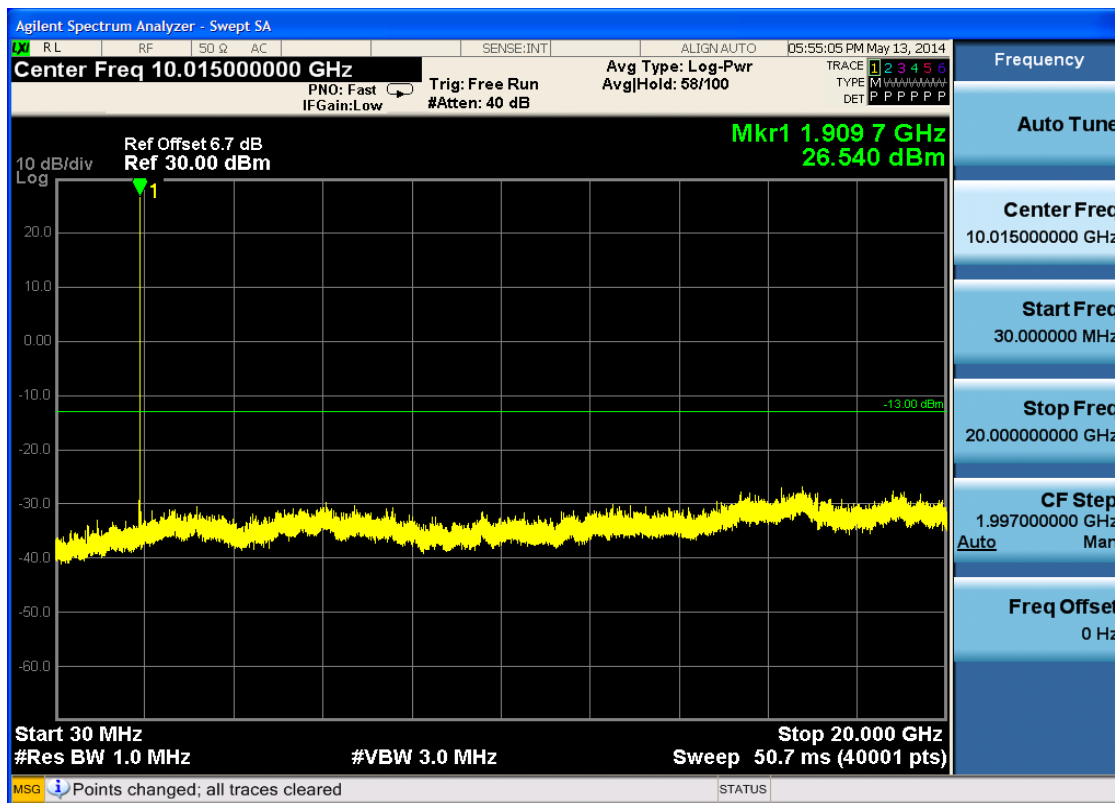




6.1.2.2.3 Test Channel = HCH





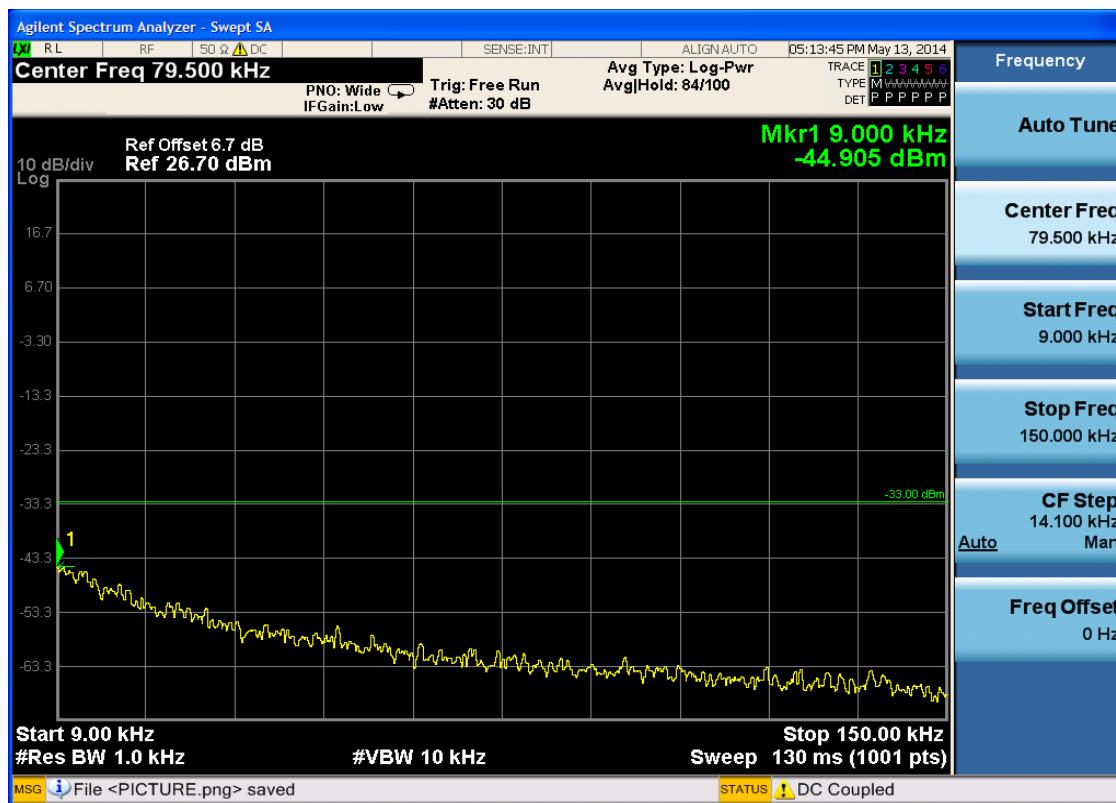


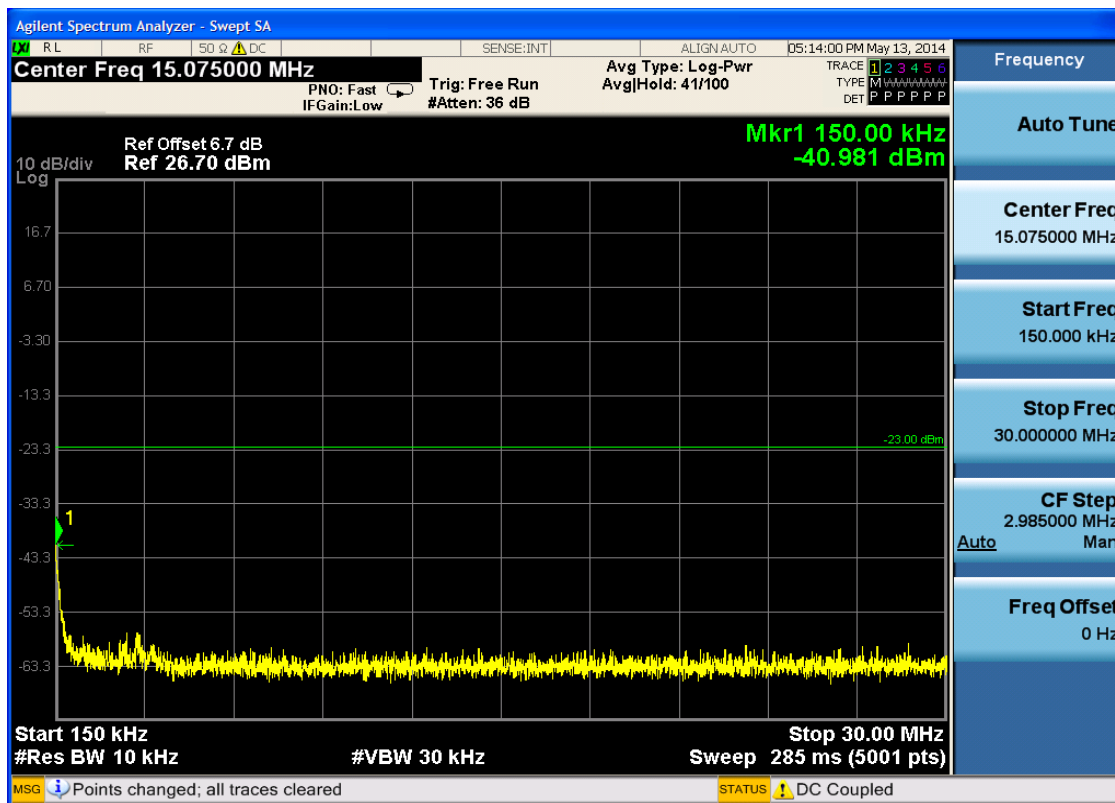
6.2 For UMTS

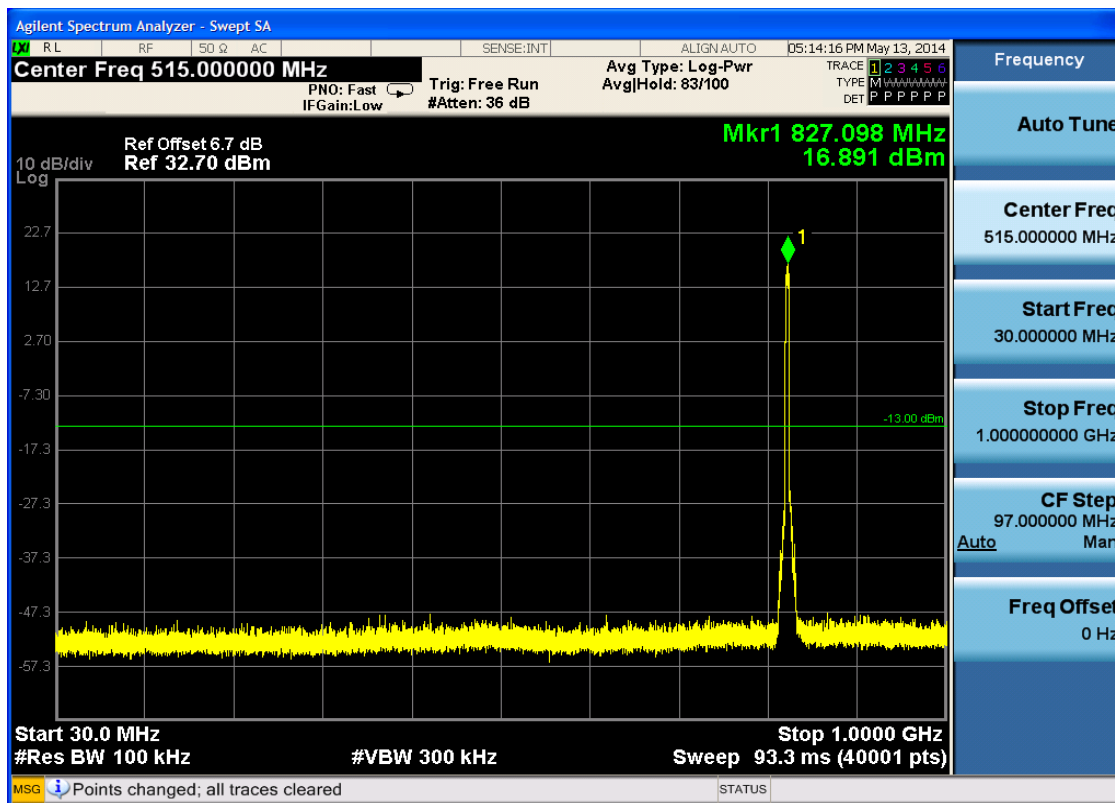
6.2.1 Test Band = WCDMA850

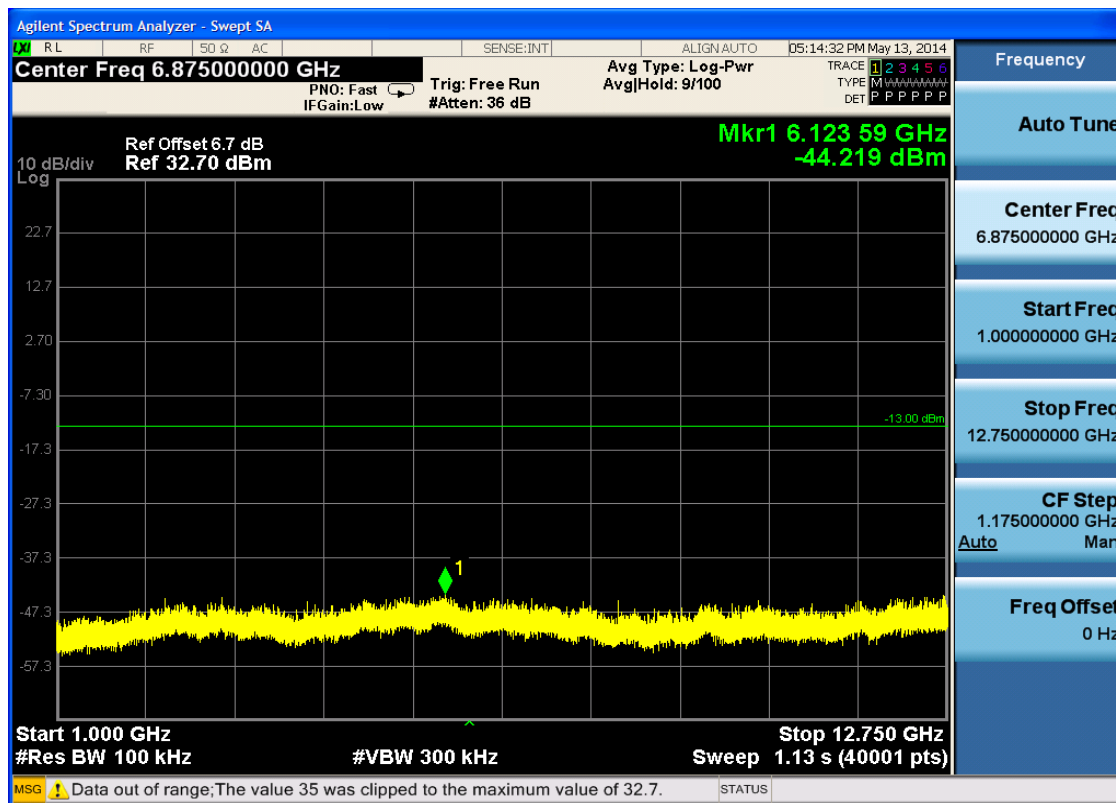
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

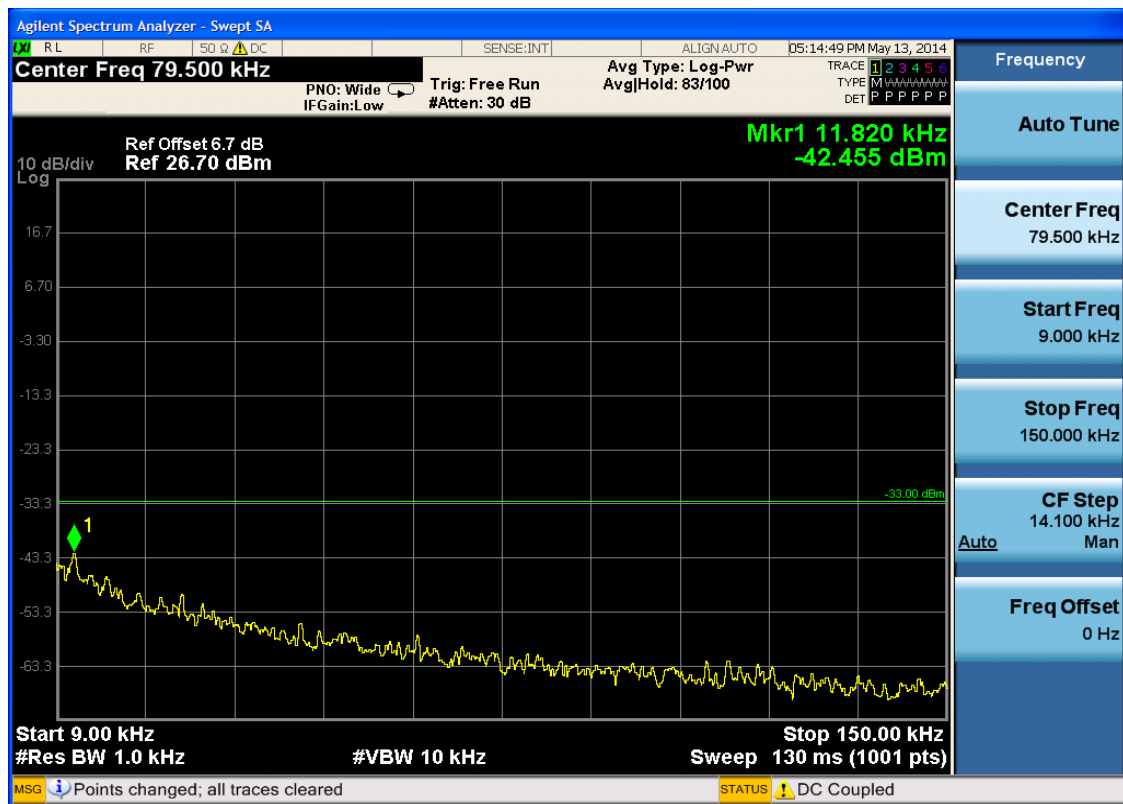


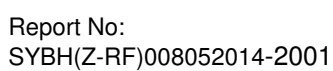
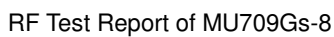


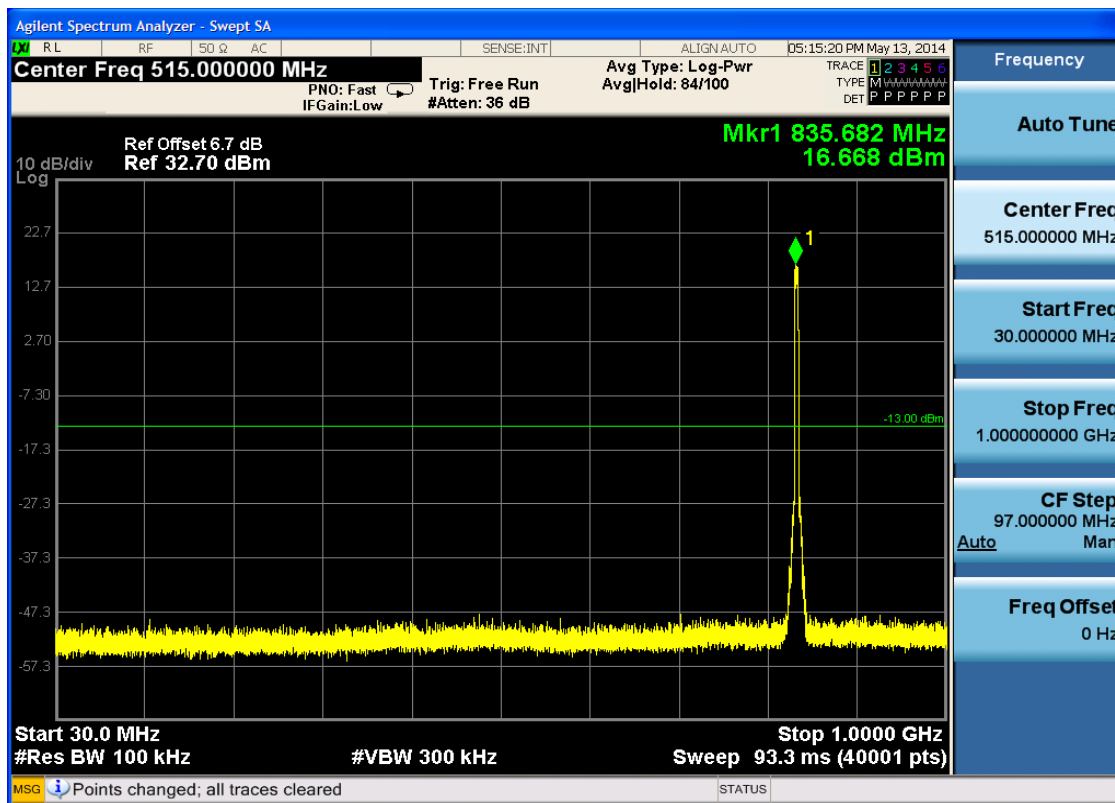


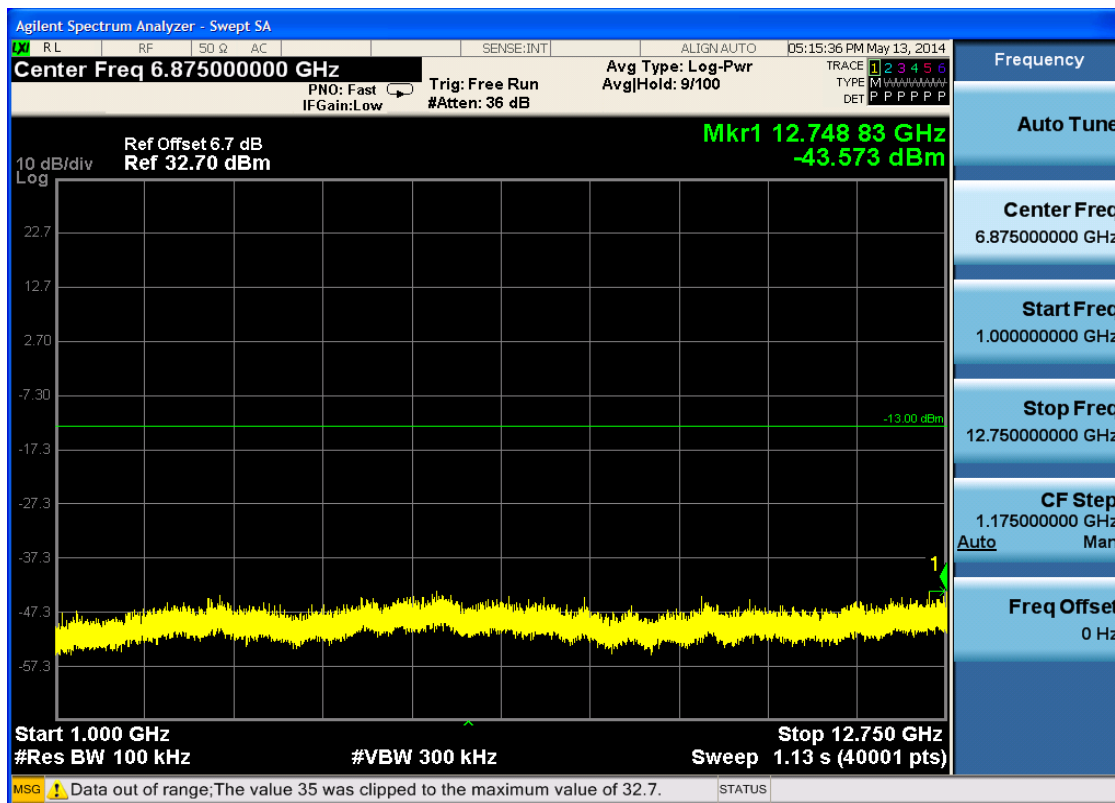


6.2.1.1.2 Test Channel = MCH



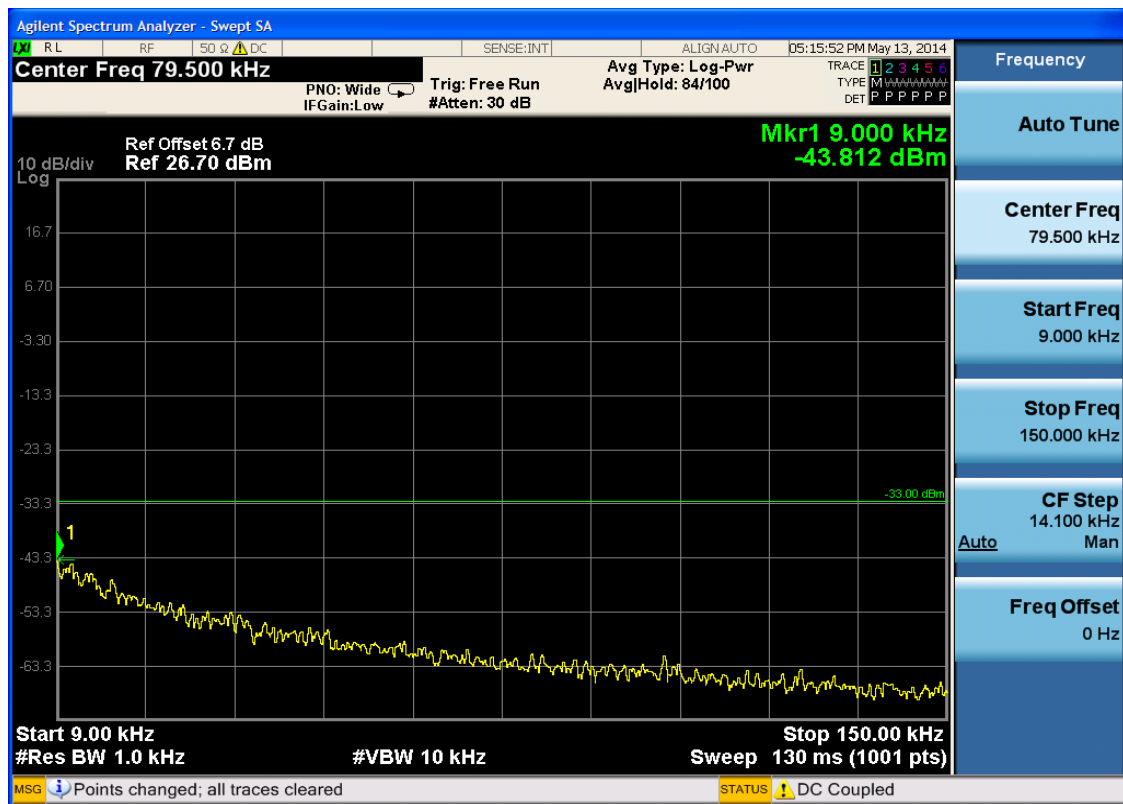


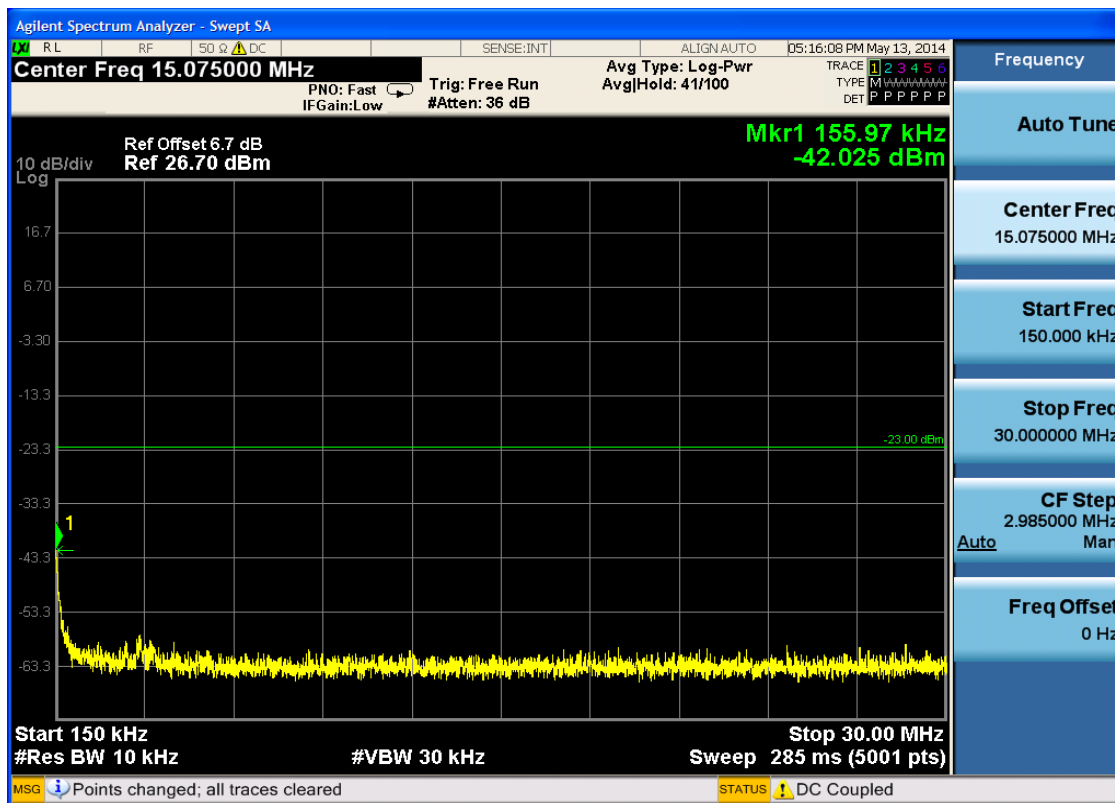


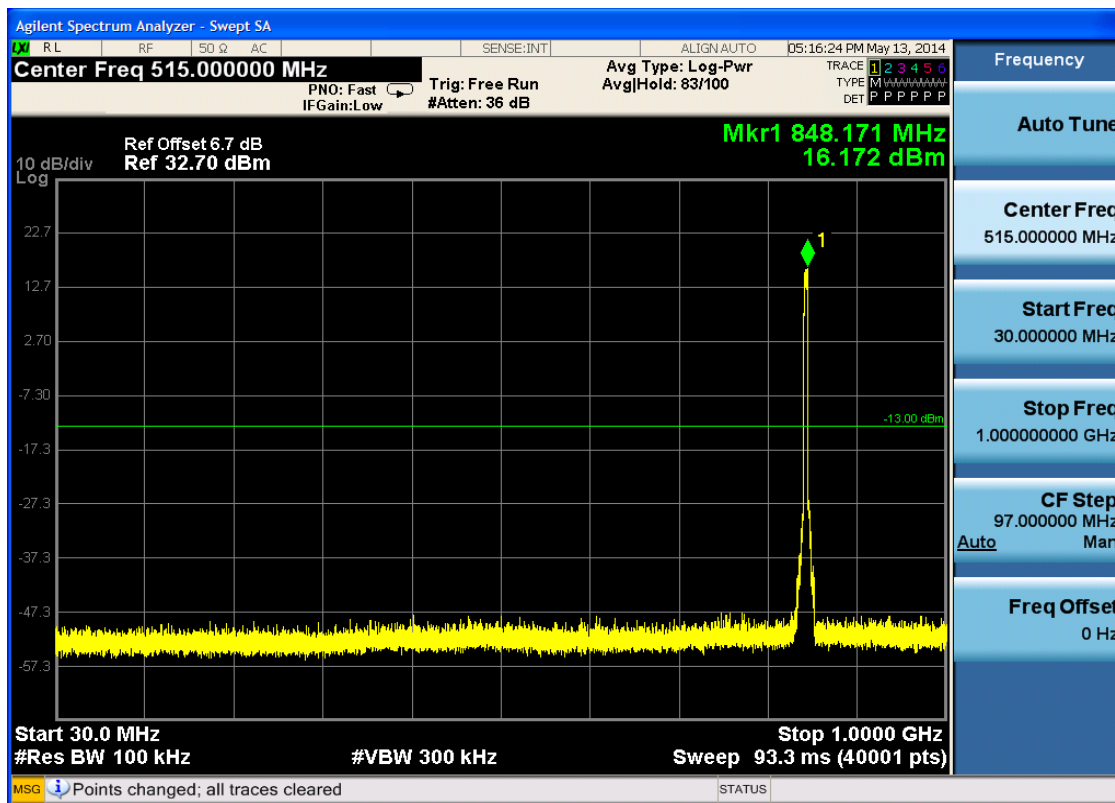


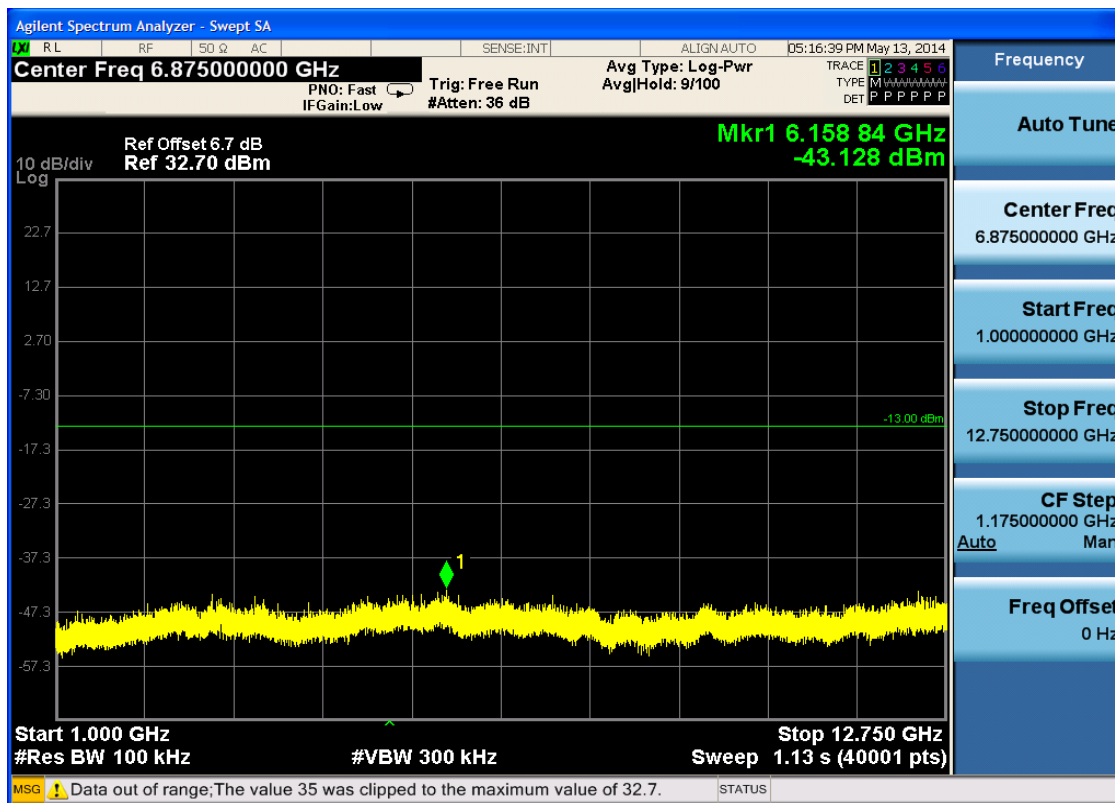


6.2.1.1.3 Test Channel = HCH





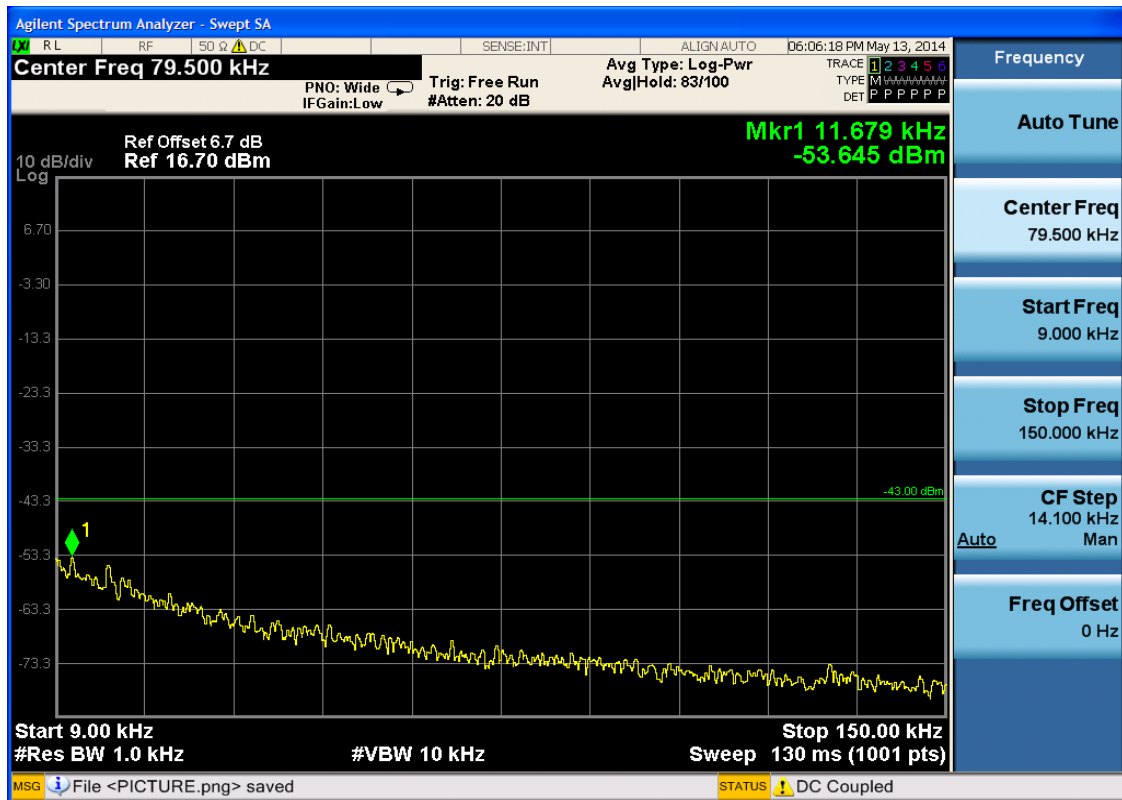


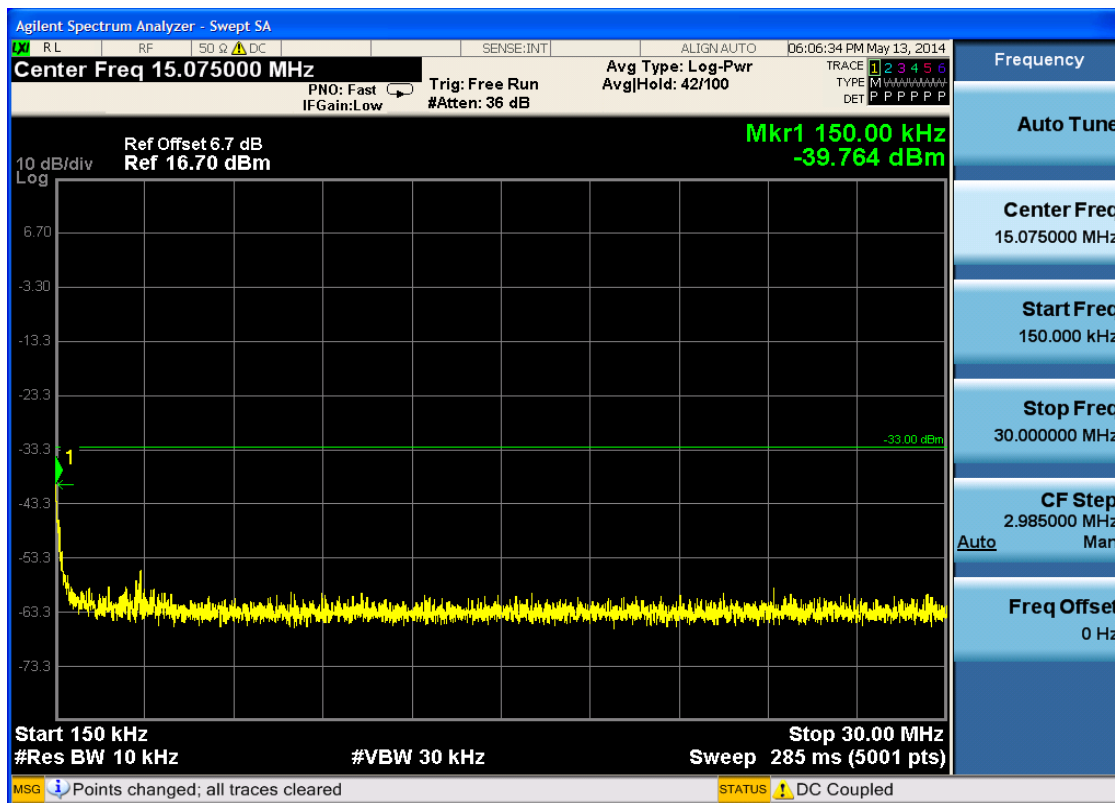


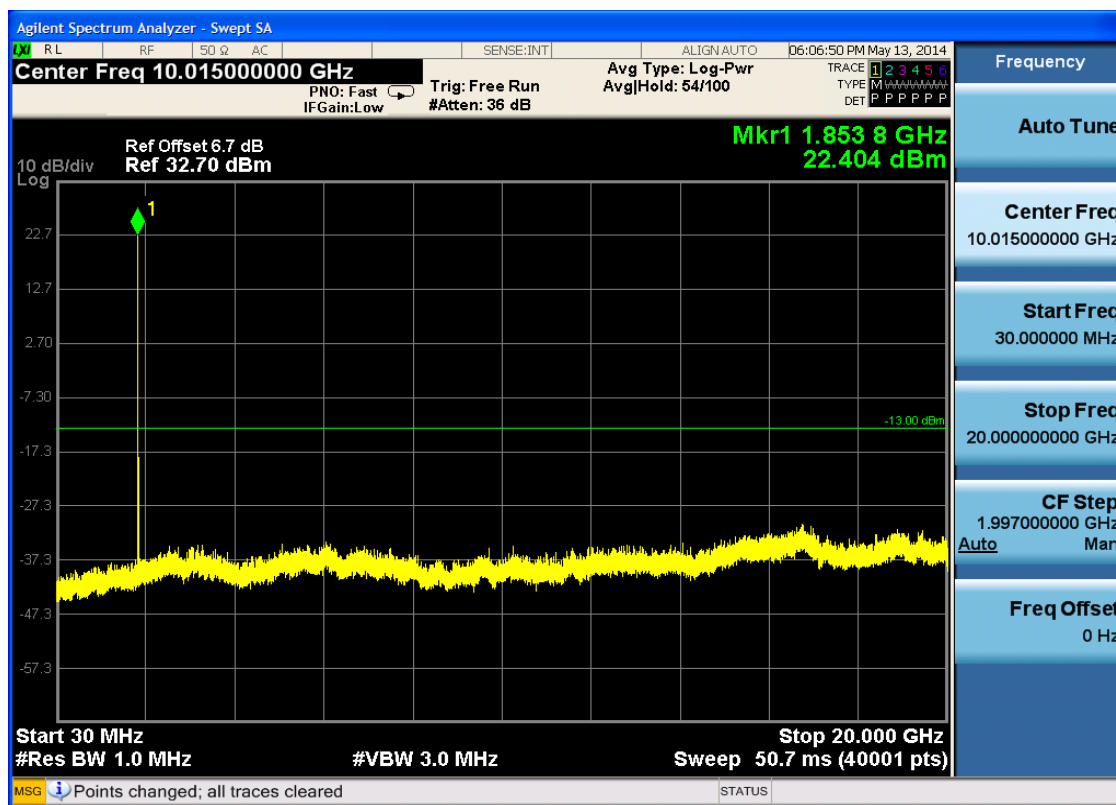
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

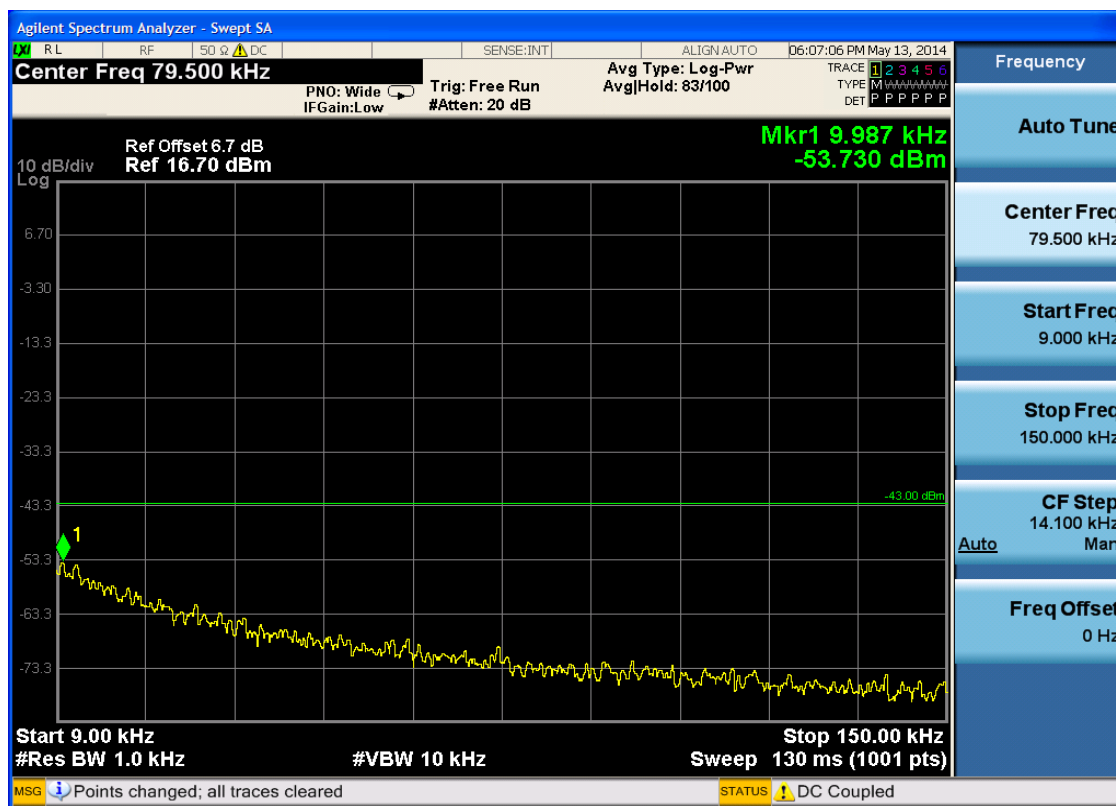
6.2.2.1.1 Test Channel = LCH

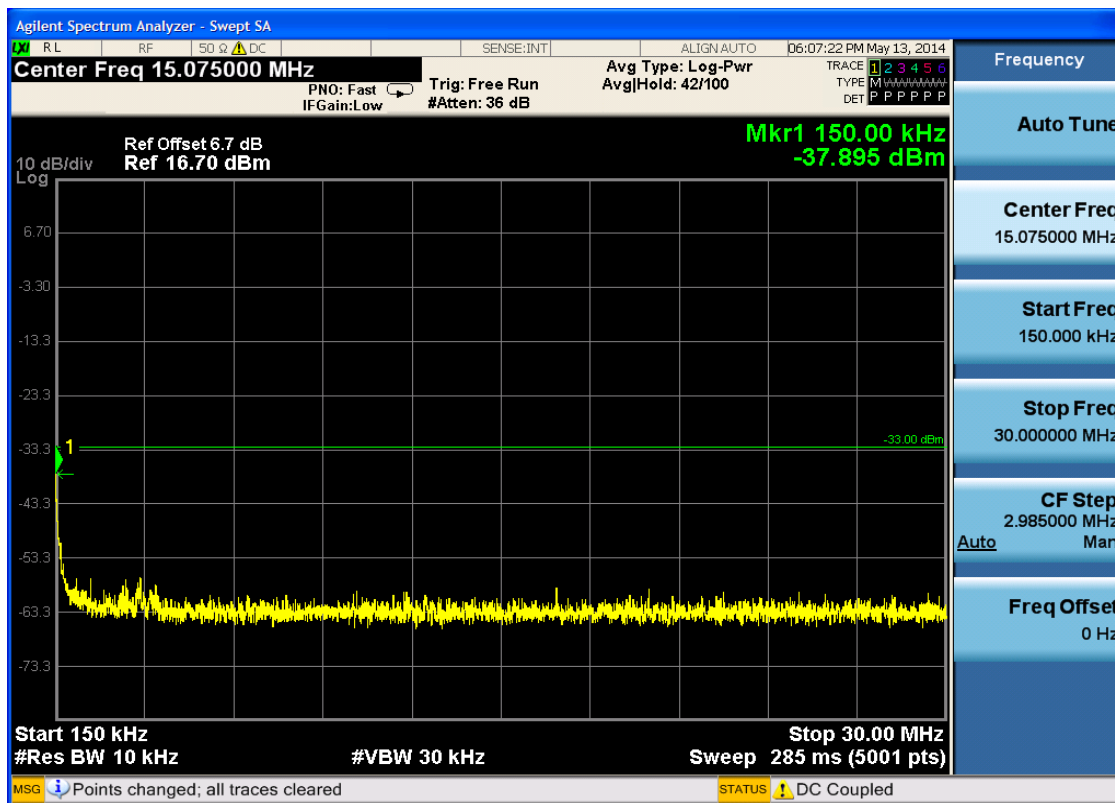


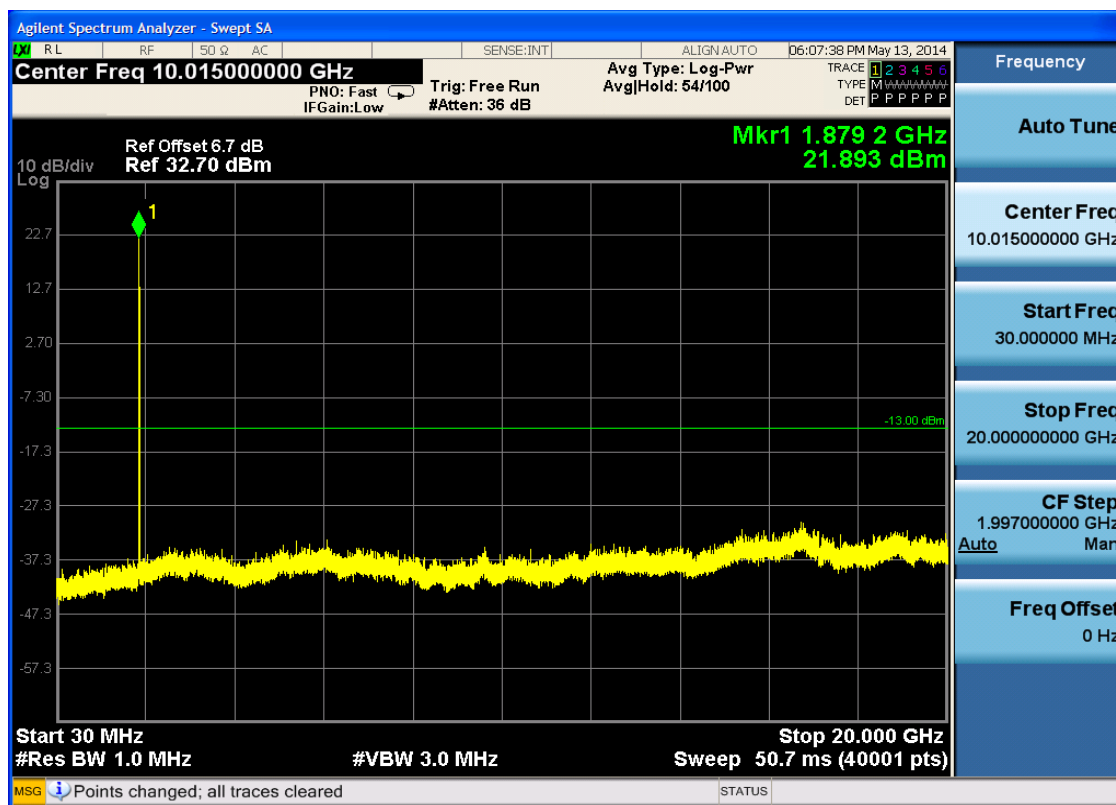




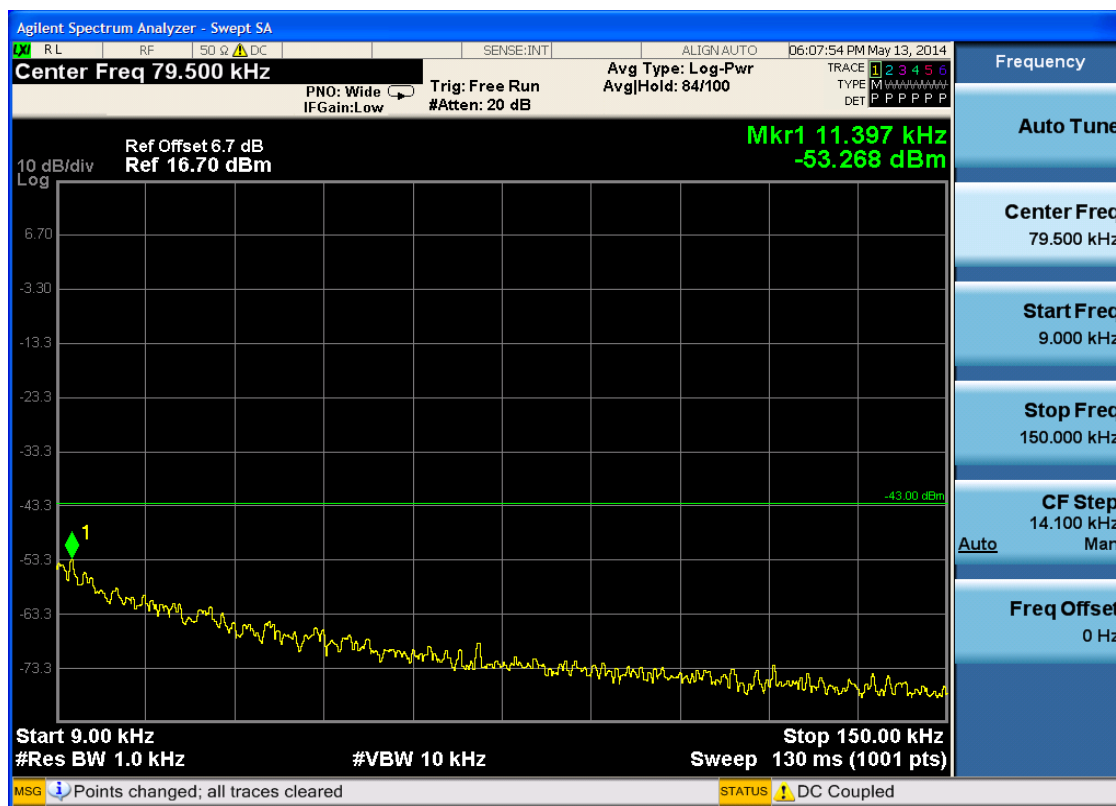
6.2.2.1.2 Test Channel = MCH

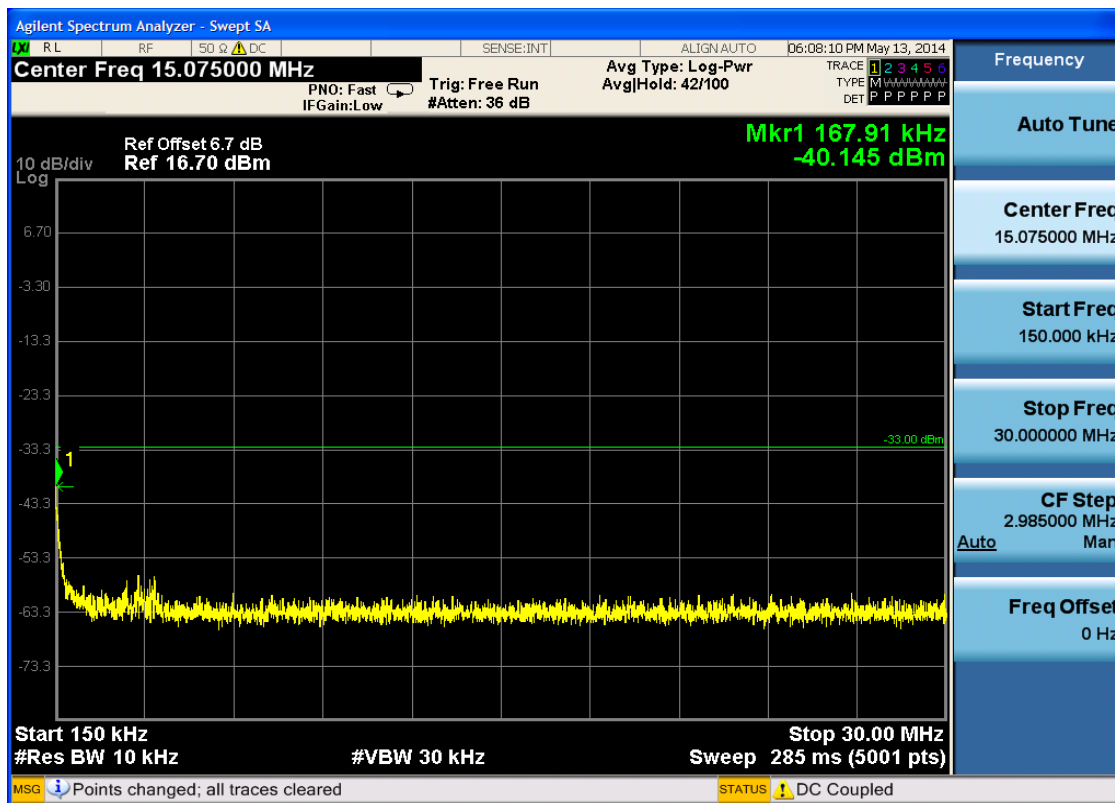


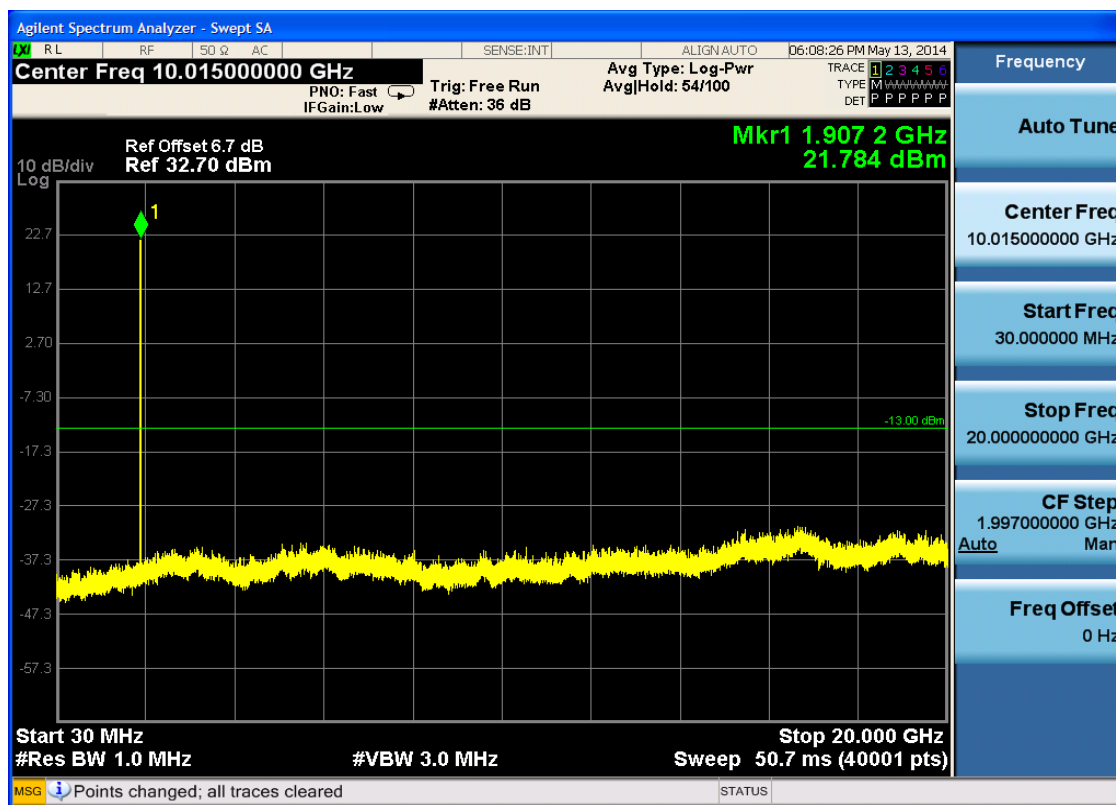




6.2.2.1.3 Test Channel = HCH







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

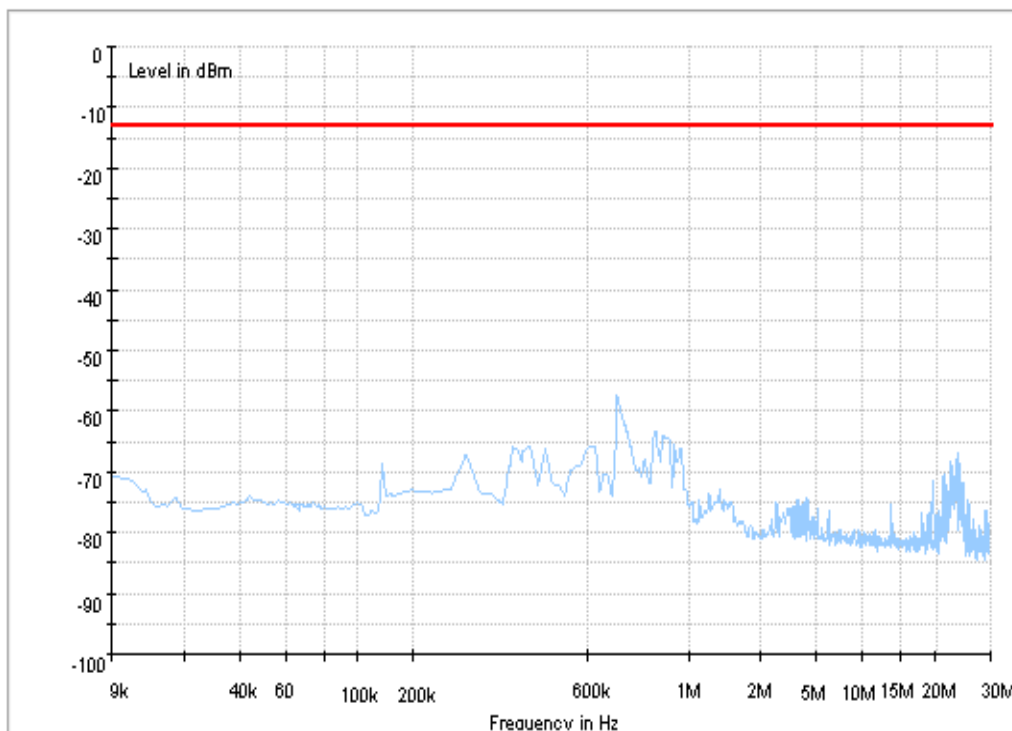
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

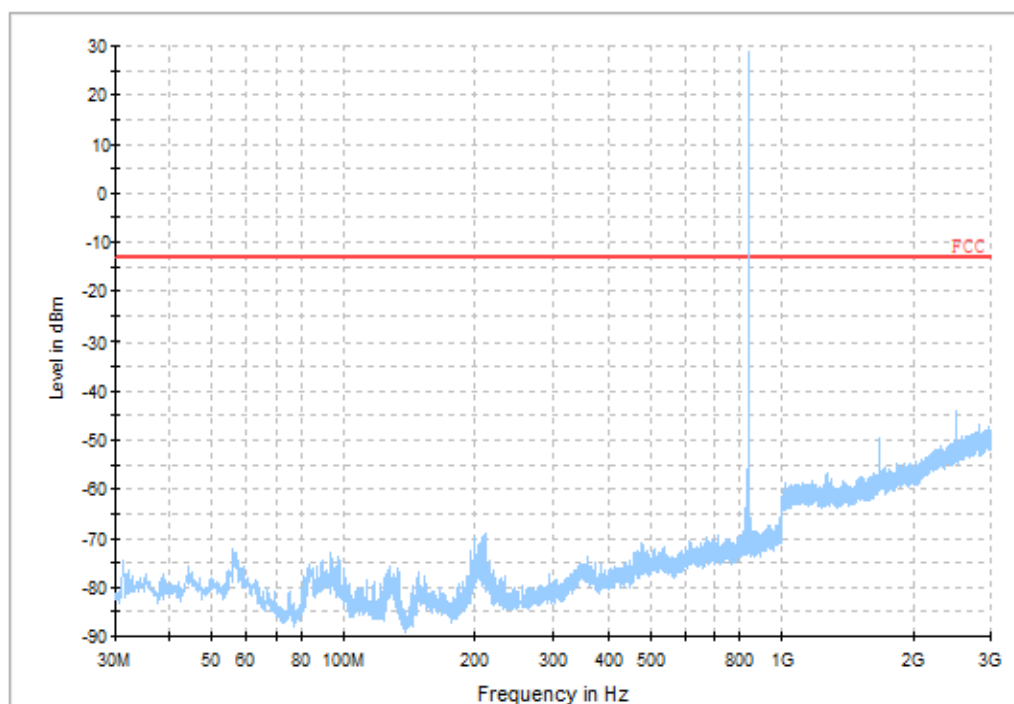
7.1 For GSM

7.1.1 Test Band = GSM850

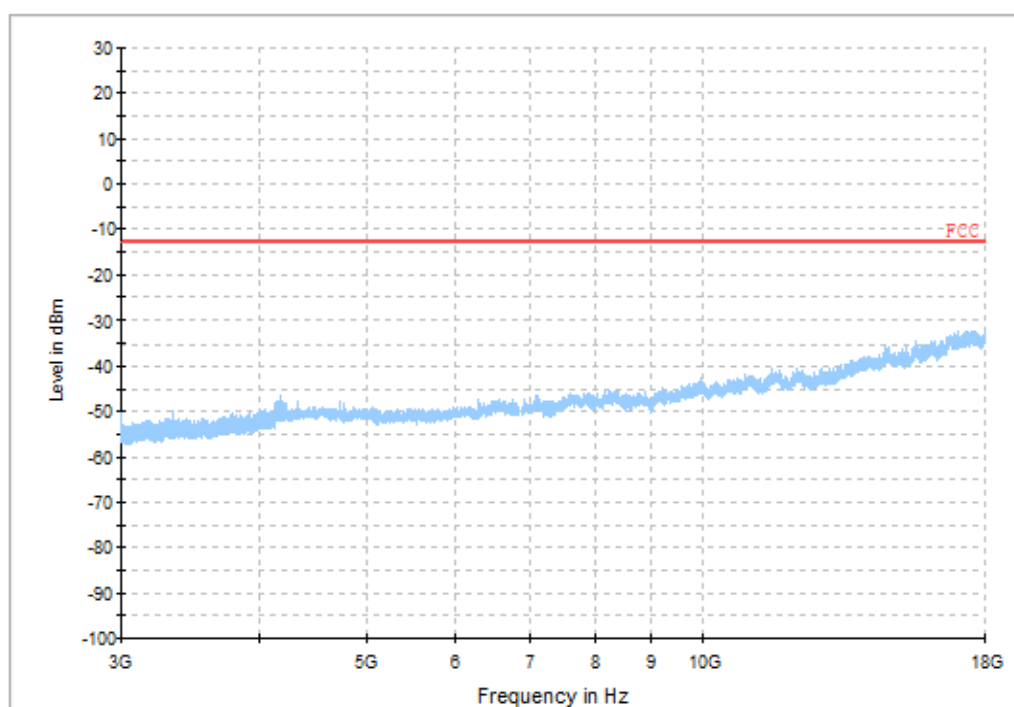
7.1.1.1 Test Mode = GSM/TM1



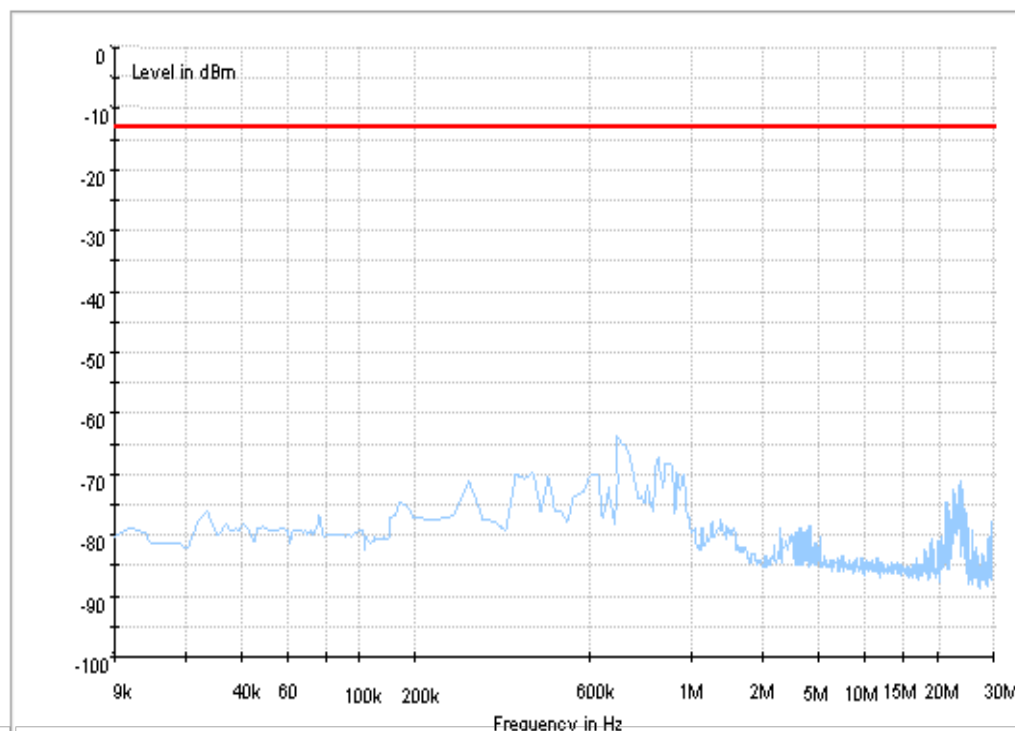
Copy of FCC PART22 GSM850_L



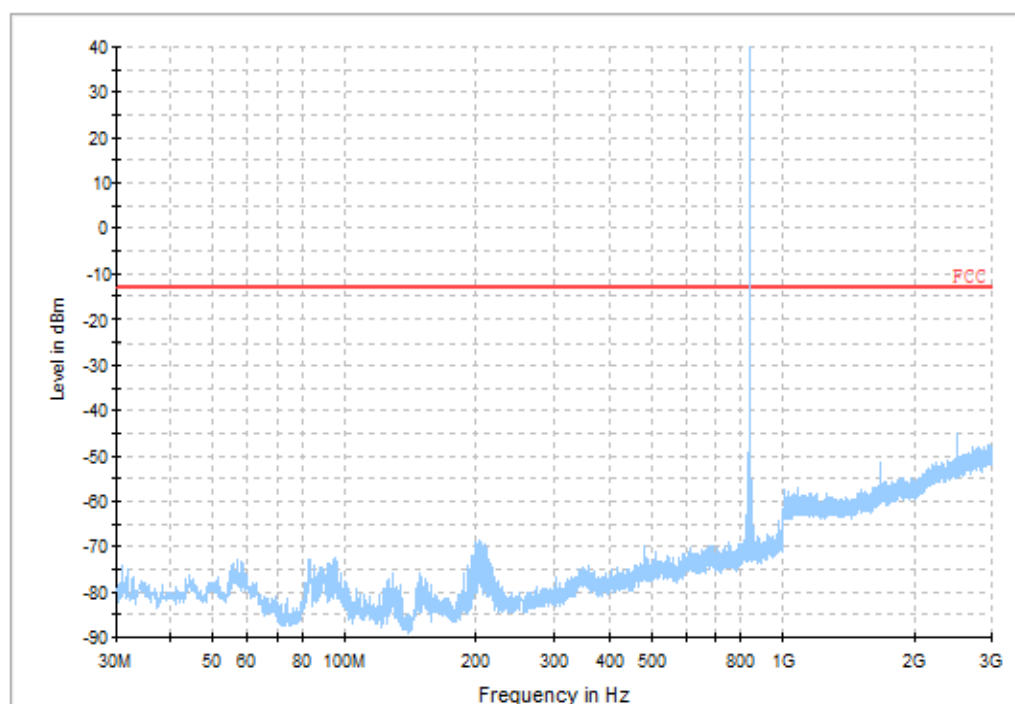
Copy of FCC PART22 GSM850_H



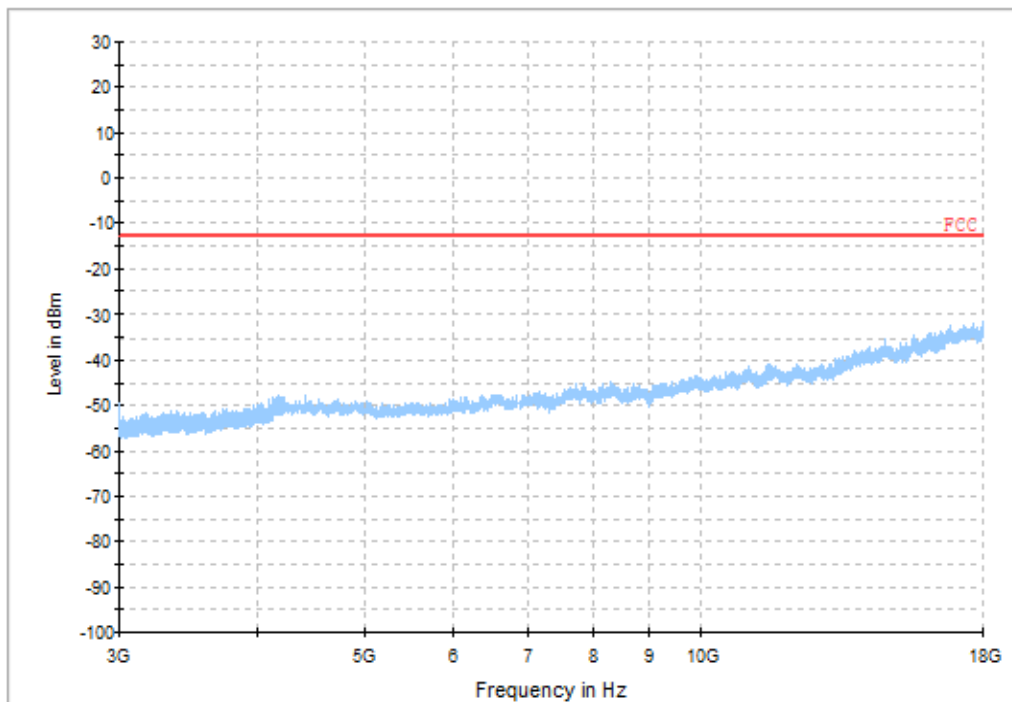
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

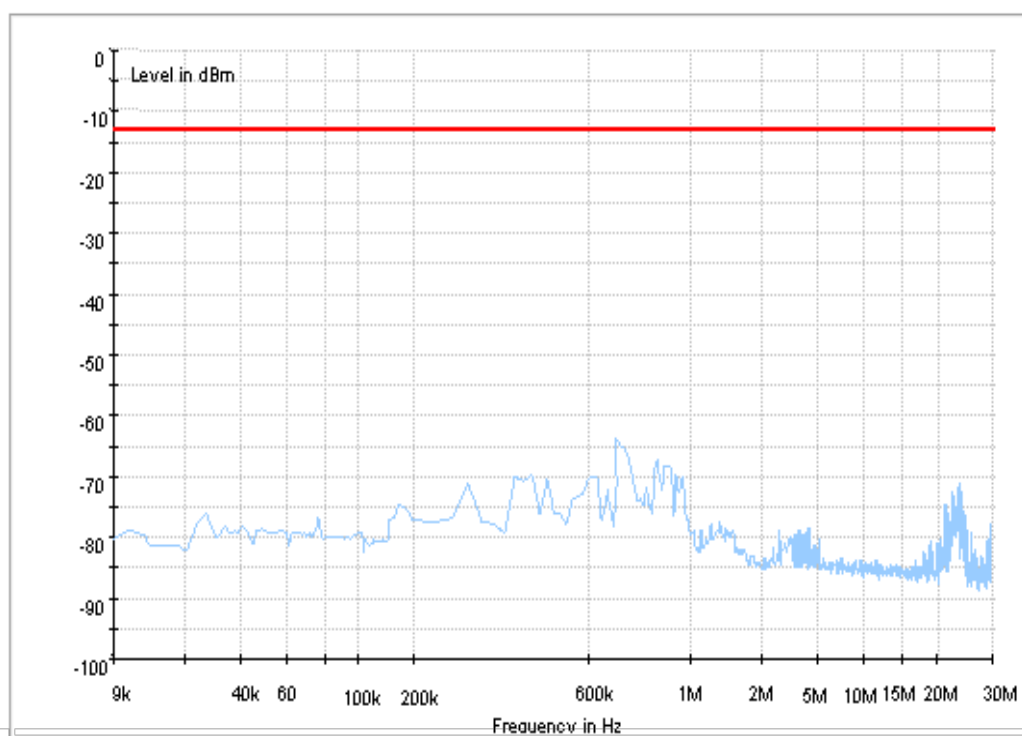


Copy of FCC PART22 GSM850_H

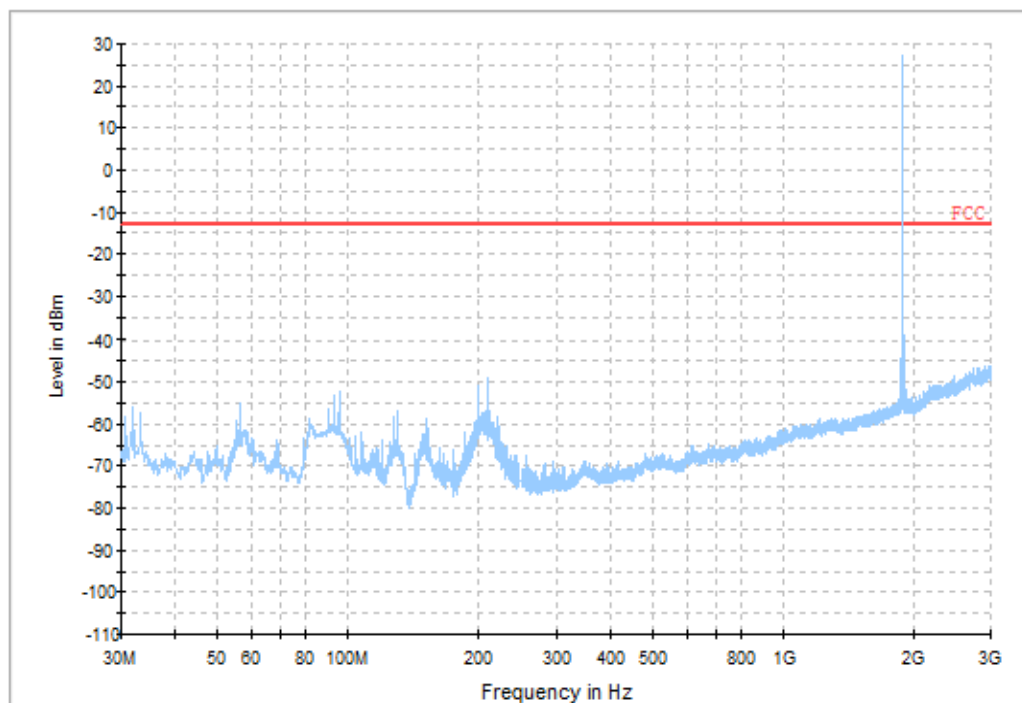


7.1.2 Test Band = GSM1900

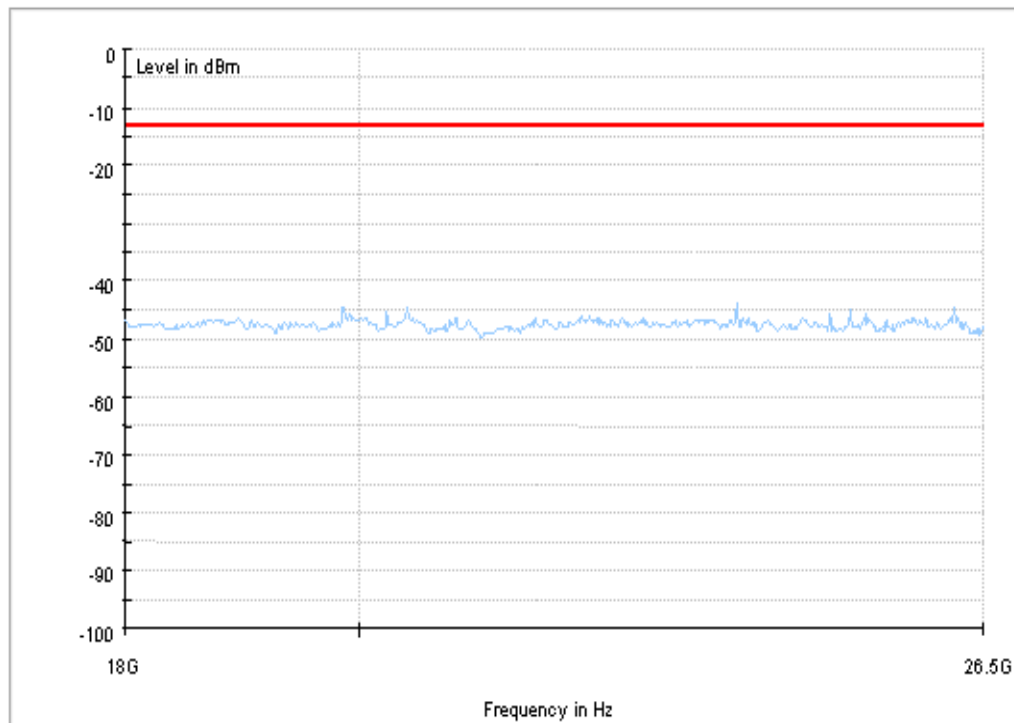
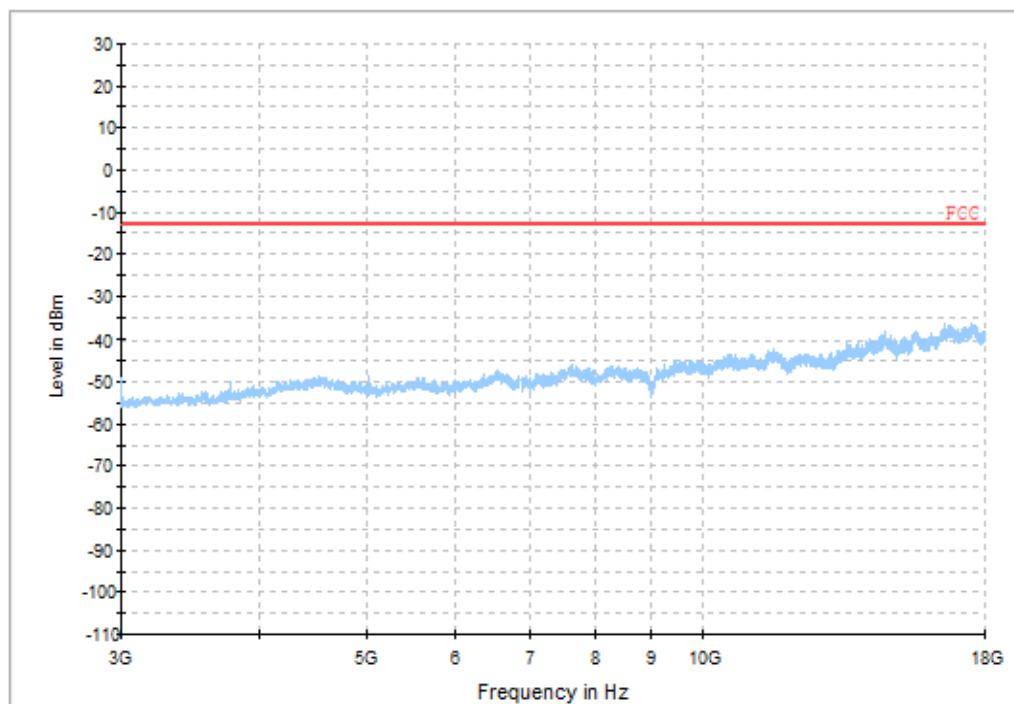
7.1.2.1 Test Mode = GSM/TM1



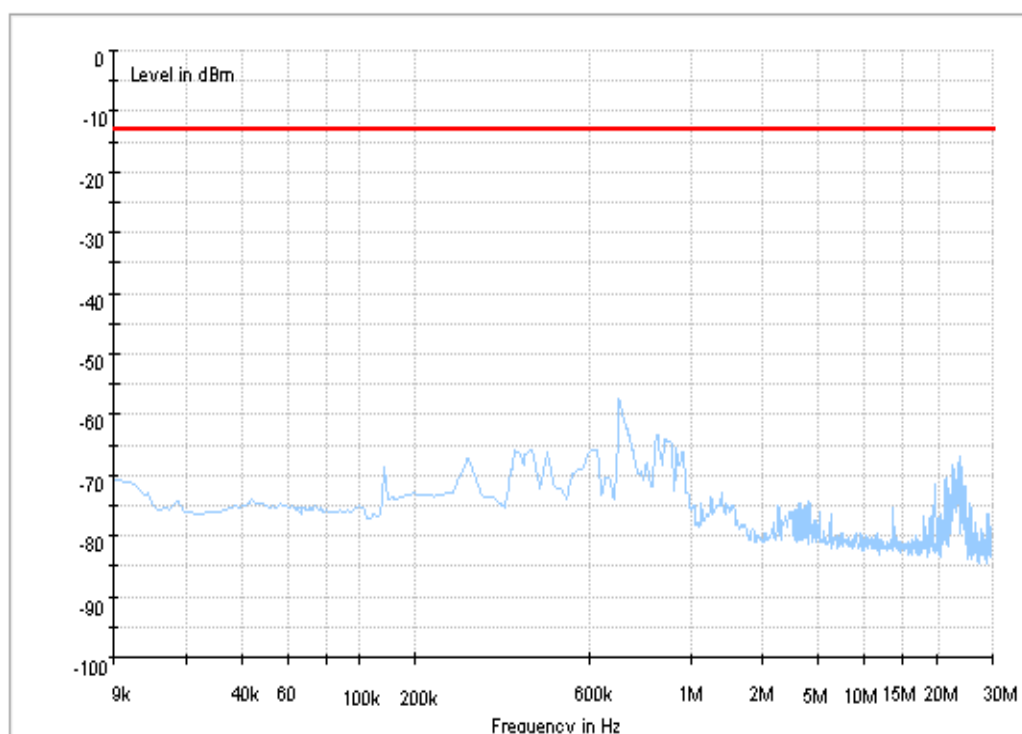
Copy of FCC PART24 GSM1900_L



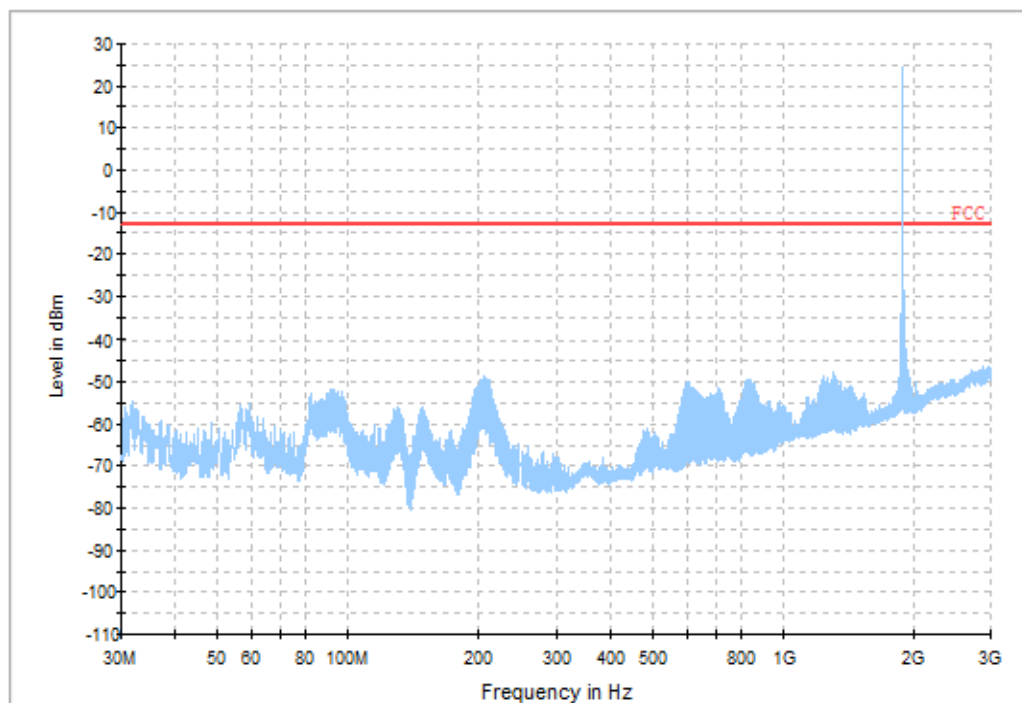
Copy of FCC PART24 GSM1900_H



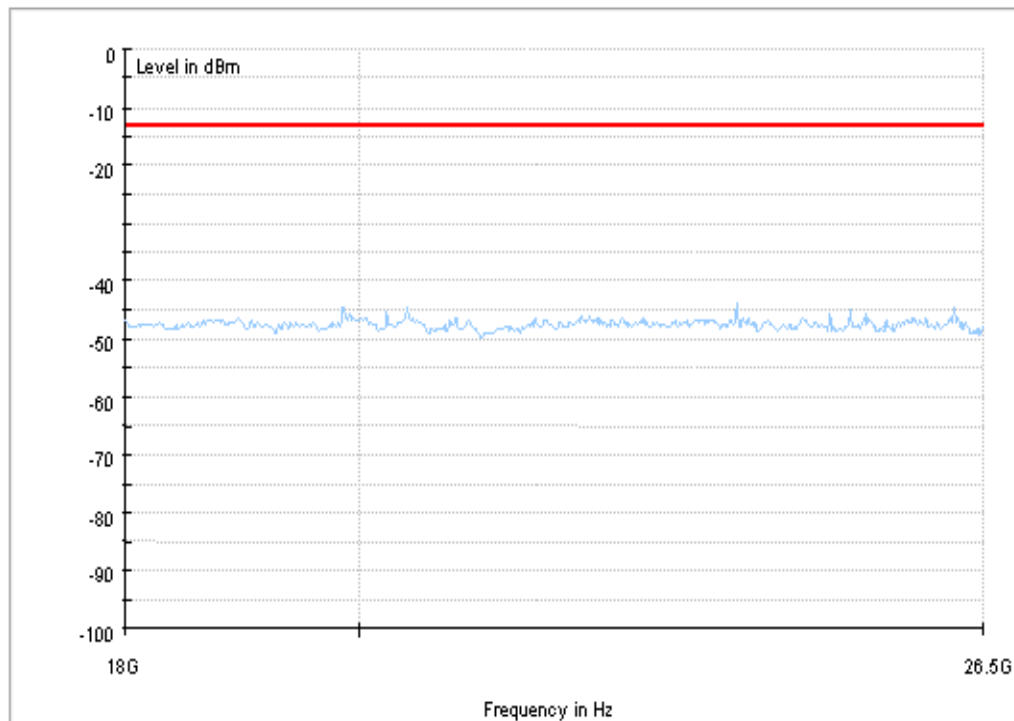
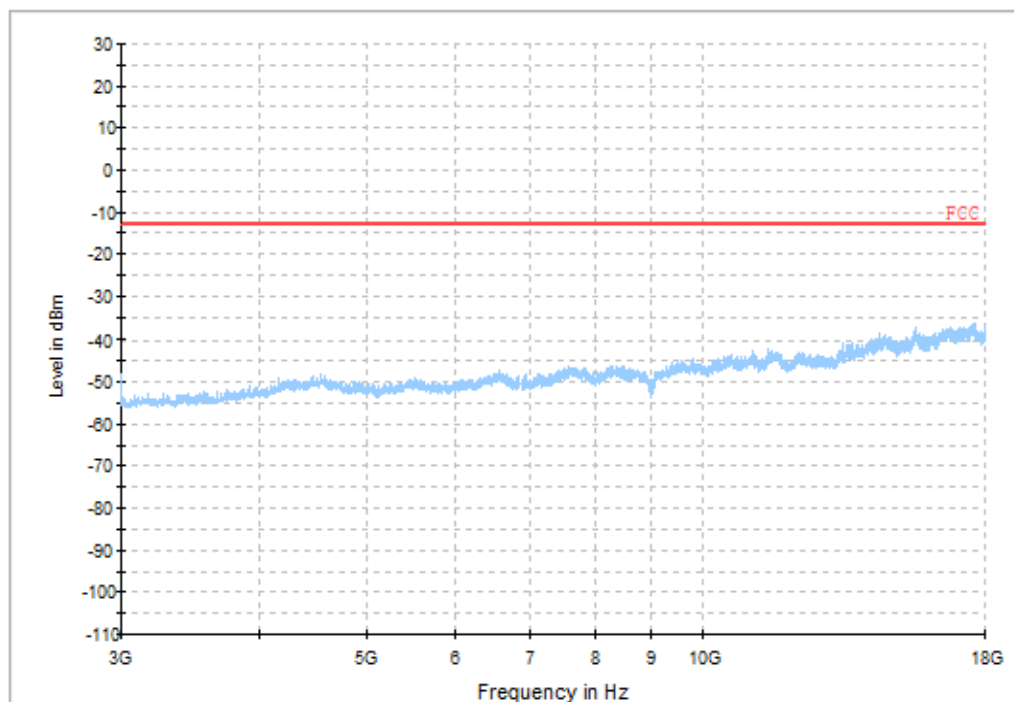
7.1.2.2 Test Mode = GSM/TM2



Copy of FCC PART24 GSM1900_L



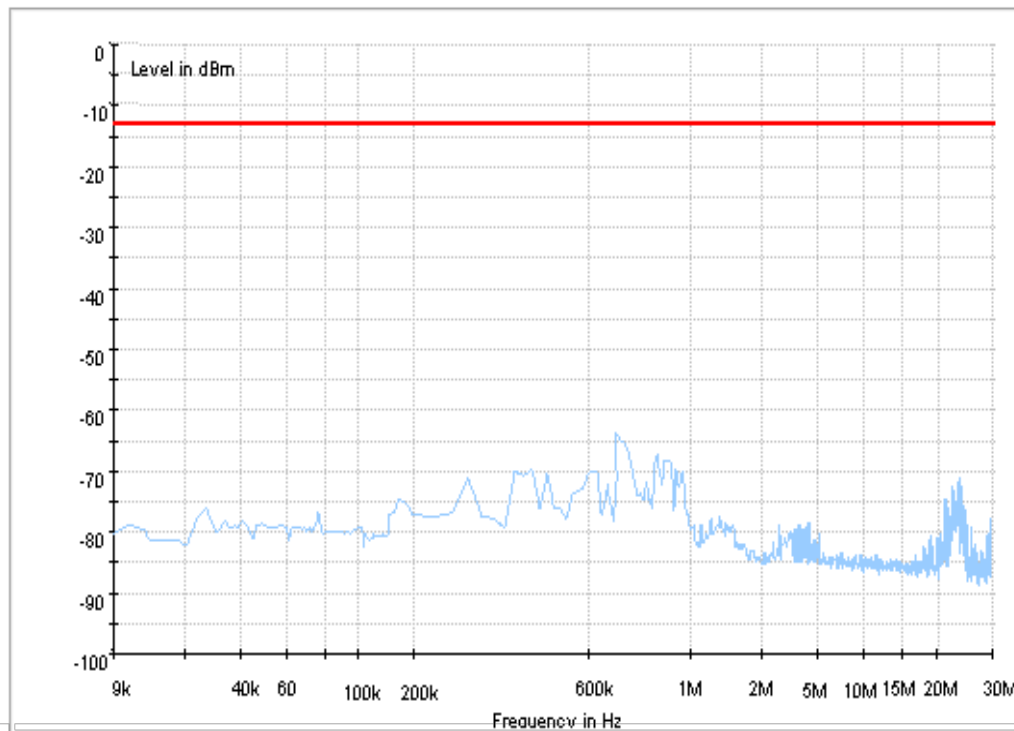
Copy of FCC PART24 GSM1900_H



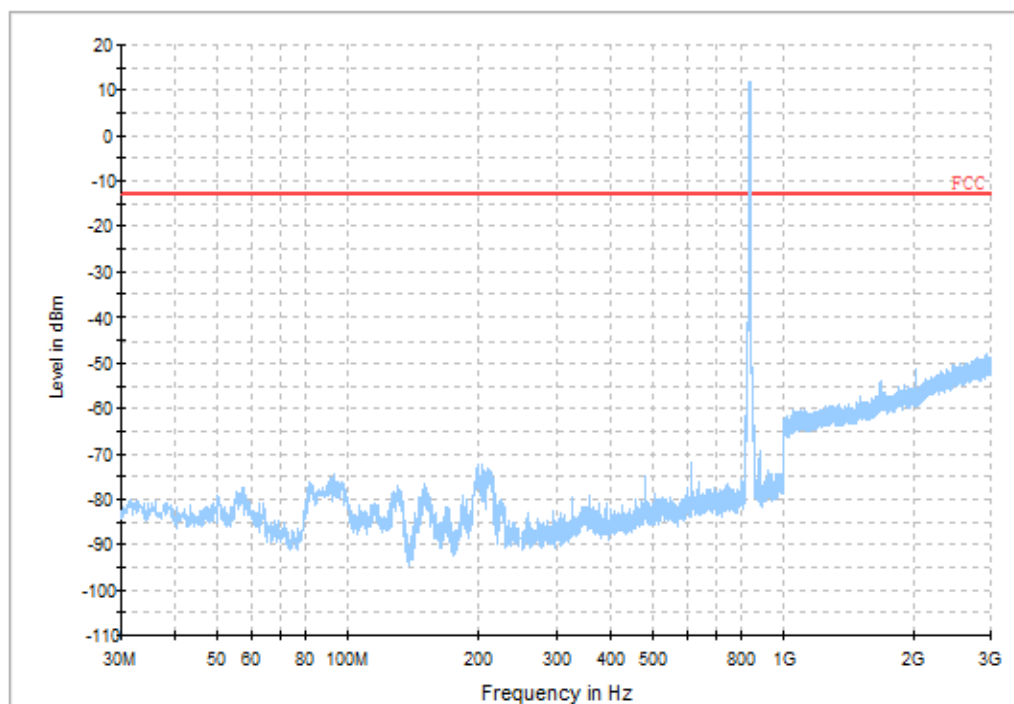
7.2 For UMTS

7.2.1 Test Band = WCDMA850

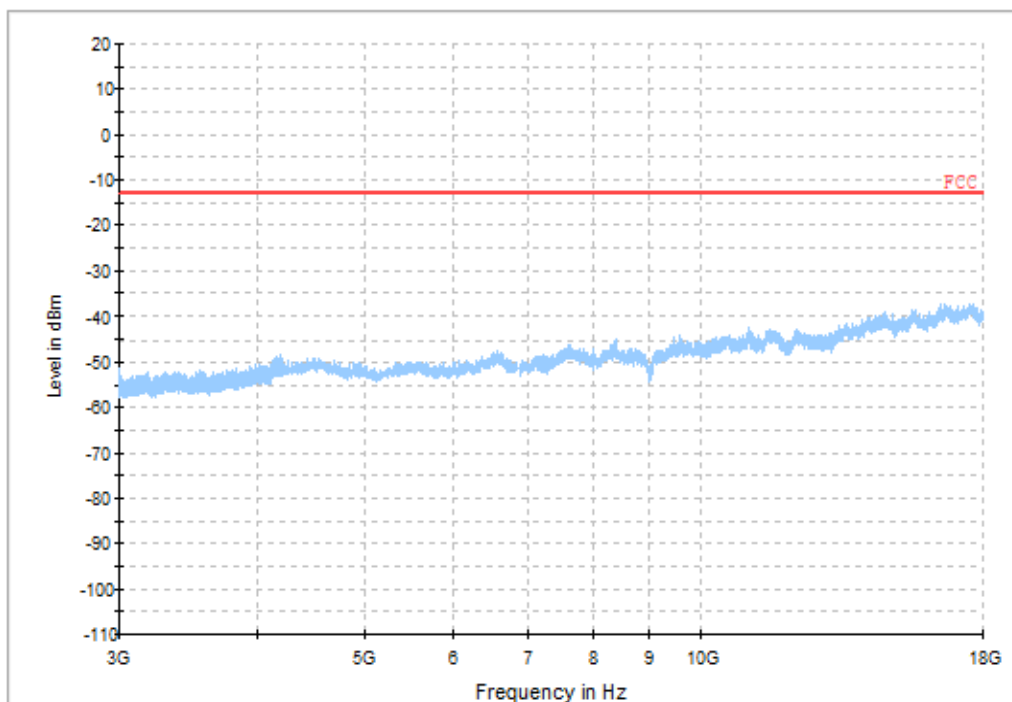
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

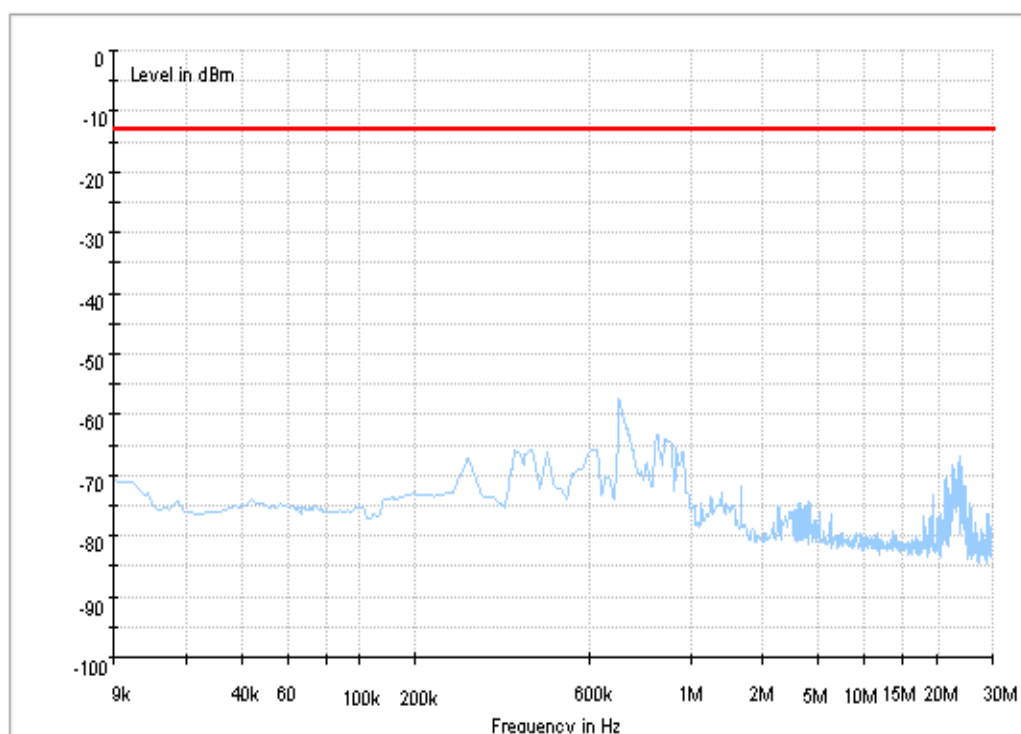


Copy of FCC PART22 WCDMA850_H

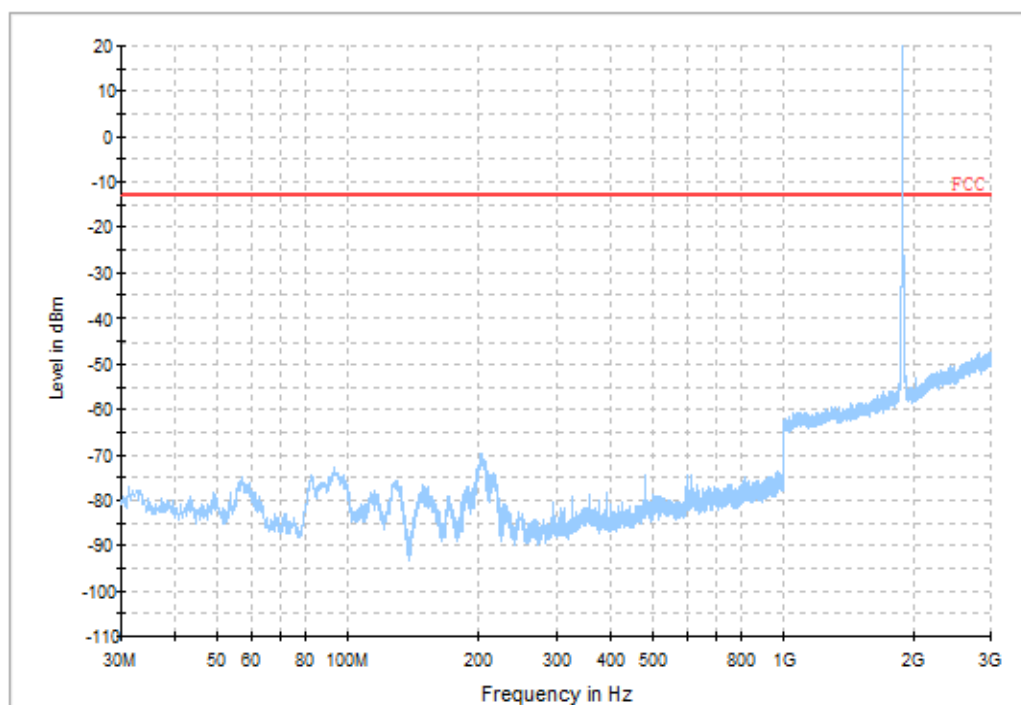


7.2.2 Test Band = WCDMA1900

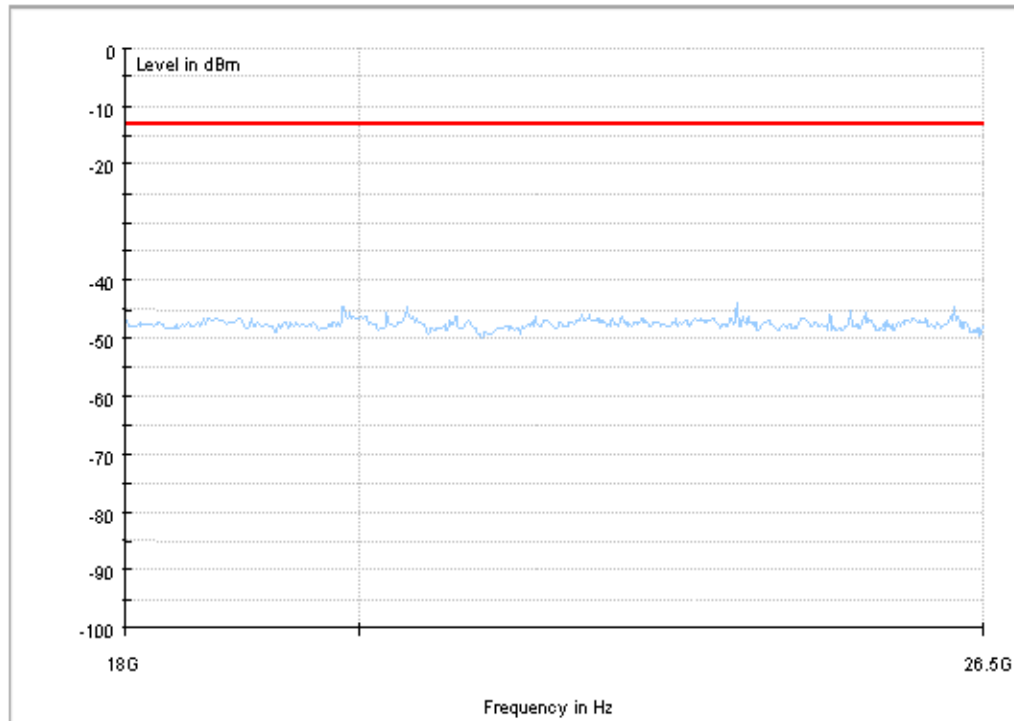
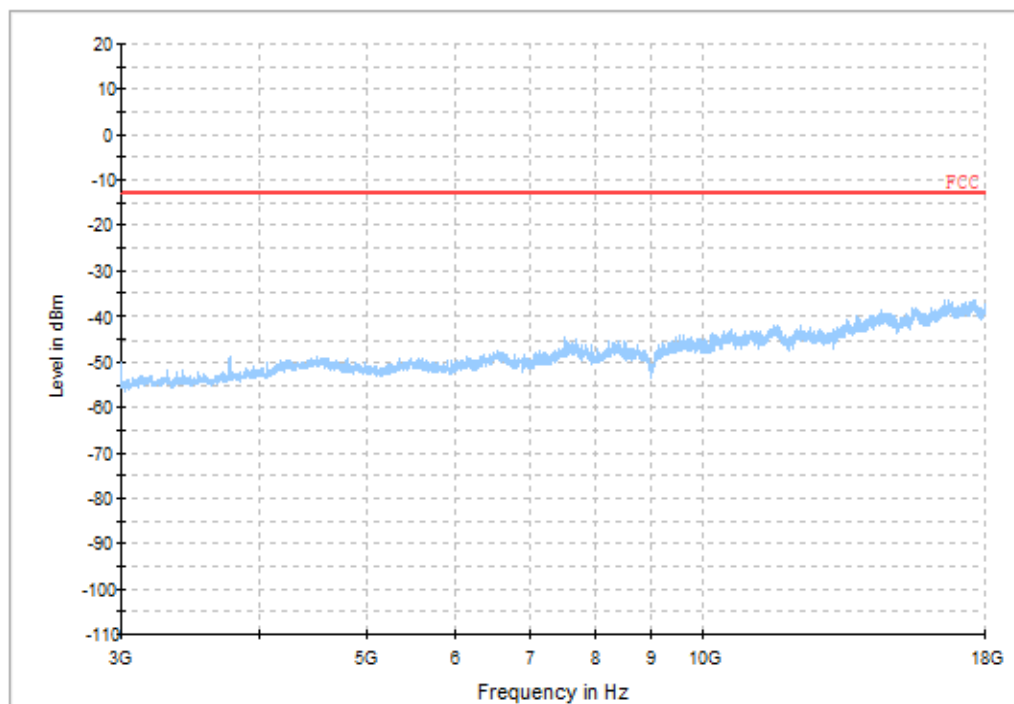
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900_L



Copy of FCC PART24 WCDMA1900_H



8Appendix_H: Frequency Stability

8.1 For GSM

8.1.1 Frequency 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	-24.41	-0.02962	PASS
				VN	-23.37	-0.02835	PASS
				VH	-23.89	-0.02899	PASS
		MCH	TN	VL	-15.50	-0.01853	PASS
				VN	-14.92	-0.01783	PASS
				VH	-18.02	-0.02154	PASS
		HCH	TN	VL	-24.47	-0.02883	PASS
				VN	-25.44	-0.02997	PASS
				VH	-21.76	-0.02564	PASS
	GSM/TM2	LCH	TN	VL	-32.38	-0.03929	PASS
				VN	-33.22	-0.04031	PASS
				VH	-18.92	-0.02296	PASS
		MCH	TN	VL	-20.99	-0.02509	PASS
				VN	-28.48	-0.03404	PASS
				VH	-31.87	-0.03809	PASS
		HCH	TN	VL	-28.93	-0.03408	PASS
				VN	-28.51	-0.03359	PASS
				VH	-23.18	-0.02731	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-38.36	-0.02073	PASS
				VN	-41.46	-0.02241	PASS
				VH	-39.20	-0.02119	PASS
		MCH	TN	VL	-19.37	-0.0103	PASS
				VN	-17.56	-0.00934	PASS
				VH	-19.76	-0.01051	PASS
		HCH	TN	VL	-40.49	-0.0212	PASS
				VN	-32.61	-0.01708	PASS
				VH	-27.83	-0.01457	PASS
	GSM/TM2	LCH	TN	VL	-50.08	-0.02707	PASS
				VN	-48.01	-0.02595	PASS
				VH	-41.58	-0.02247	PASS
		MCH	TN	VL	-30.96	-0.01647	PASS
				VN	-32.64	-0.01736	PASS
				VH	-53.11	-0.02825	PASS
		HCH	TN	VL	-58.82	-0.0308	PASS
				VN	-59.41	-0.03111	PASS
				VH	-54.69	-0.02864	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	-27.70	-0.03361	PASS
				-20	-25.05	-0.03039	PASS
				-10	-25.38	-0.03079	PASS
				0	-26.93	-0.03267	PASS
				10	-23.37	-0.02835	PASS
				20	-22.08	-0.02679	PASS
				30	-23.05	-0.02797	PASS
				40	-23.89	-0.02899	PASS
				50	-27.18	-0.03298	PASS
		MCH	VN	-30	-17.89	-0.02138	PASS
				-20	-15.95	-0.01907	PASS
				-10	-15.17	-0.01813	PASS
				0	-16.72	-0.01999	PASS
				10	-16.08	-0.01922	PASS
				20	-16.08	-0.01922	PASS
				30	-16.59	-0.01983	PASS
				40	-20.08	-0.024	PASS
				50	-14.79	-0.01768	PASS
		HCH	VN	-30	-22.21	-0.02617	PASS
				-20	-20.02	-0.02359	PASS
				-10	-20.15	-0.02374	PASS
				0	-22.54	-0.02656	PASS
				10	-22.34	-0.02632	PASS
				20	-23.83	-0.02807	PASS
				30	-25.05	-0.02951	PASS
				40	-21.83	-0.02572	PASS
				50	-22.73	-0.02678	PASS
	GSM/TM2	LCH	VN	-30	-34.58	-0.04196	PASS
				-20	-29.61	-0.03593	PASS
				-10	-42.68	-0.05178	PASS
				0	-39.87	-0.04837	PASS
				10	-32.80	-0.0398	PASS
				20	-26.57	-0.03224	PASS
				30	-36.29	-0.04403	PASS
				40	-29.83	-0.03619	PASS
				50	-33.58	-0.04074	PASS
		MCH	VN	-30	-27.96	-0.03342	PASS
				-20	-20.79	-0.02485	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	-29.06	-0.03474	PASS
				0	-25.99	-0.03107	PASS
				10	-24.50	-0.02929	PASS
				20	-30.54	-0.0365	PASS
				30	-19.40	-0.02319	PASS
				40	-14.95	-0.01787	PASS
				50	-22.66	-0.02709	PASS
		HCH	VN	-30	-31.32	-0.0369	PASS
				-20	-32.00	-0.0377	PASS
				-10	-21.11	-0.02487	PASS
				0	-29.12	-0.03431	PASS
				10	-28.99	-0.03415	PASS
				20	-25.96	-0.03058	PASS
				30	-19.47	-0.02294	PASS
				40	-29.09	-0.03427	PASS
				50	-31.54	-0.03716	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-43.97	-0.02376	PASS
				-20	-42.94	-0.02321	PASS
				-10	-36.87	-0.01993	PASS
				0	-40.36	-0.02181	PASS
				10	-38.42	-0.02077	PASS
				20	-39.39	-0.02129	PASS
				30	-40.62	-0.02195	PASS
				40	-39.45	-0.02132	PASS
				50	-44.10	-0.02384	PASS
		MCH	VN	-30	-18.14	-0.00965	PASS
				-20	-23.31	-0.0124	PASS
				-10	-23.44	-0.01247	PASS
				0	-21.18	-0.01127	PASS
				10	-24.99	-0.01329	PASS
				20	-24.67	-0.01312	PASS
				30	-25.51	-0.01357	PASS
				40	-19.18	-0.0102	PASS
				50	-21.18	-0.01127	PASS
		HCH	VN	-30	-51.92	-0.02719	PASS
				-20	-49.75	-0.02605	PASS
				-10	-48.62	-0.02546	PASS
				0	-50.08	-0.02622	PASS
				10	-46.62	-0.02441	PASS
				20	-52.69	-0.02759	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-55.27	-0.02894	PASS
				40	-41.00	-0.02147	PASS
				50	-49.69	-0.02602	PASS
	GSM/TM2	LCH	VN	-30	-48.17	-0.02604	PASS
				-20	-43.84	-0.02369	PASS
				-10	-52.95	-0.02862	PASS
				0	-59.54	-0.03218	PASS
				10	-55.18	-0.02982	PASS
				20	-66.25	-0.03581	PASS
				30	-51.66	-0.02792	PASS
				40	-50.82	-0.02747	PASS
				50	-60.02	-0.03244	PASS
		MCH	VN	-30	-30.54	-0.01624	PASS
				-20	-28.35	-0.01508	PASS
				-10	-32.32	-0.01719	PASS
				0	-34.68	-0.01845	PASS
				10	-40.71	-0.02165	PASS
				20	-34.77	-0.01849	PASS
				30	-46.39	-0.02468	PASS
				40	-47.30	-0.02516	PASS
				50	-41.04	-0.02183	PASS
		HCH	VN	-30	-44.39	-0.02324	PASS
				-20	-57.08	-0.02989	PASS
				-10	-53.30	-0.02791	PASS
				0	-40.13	-0.02101	PASS
				10	-38.48	-0.02015	PASS
				20	-44.39	-0.02324	PASS
				30	-50.27	-0.02632	PASS
				40	-41.78	-0.02188	PASS
				50	-43.23	-0.02264	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	-10.74	-0.013	PASS
				VN	4.71	0.0057	PASS
				VH	-7.93	-0.0096	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	0.41	0.00049	PASS
				VN	1.79	0.00214	PASS
				VH	0.50	0.0006	PASS
		HCH	TN	VL	4.46	0.00527	PASS
				VN	7.08	0.00836	PASS
				VH	-14.92	-0.01762	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	2.29	0.00124	PASS
				VN	3.65	0.00197	PASS
				VH	2.58	0.00139	PASS
		MCH	TN	VL	-2.40	-0.00128	PASS
				VN	-5.77	-0.00307	PASS
				VH	-2.30	-0.00122	PASS
		HCH	TN	VL	1.13	0.00059	PASS
				VN	-1.97	-0.00103	PASS
				VH	0.66	0.00035	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	-4.12	-0.00499	PASS
				-20	-5.13	-0.00621	PASS
				-10	-9.64	-0.01167	PASS
				0	-19.12	-0.02314	PASS
				10	9.32	0.01128	PASS
				20	-9.54	-0.01154	PASS
				30	-6.06	-0.00733	PASS
				40	6.33	0.00766	PASS
				50	7.49	0.00906	PASS
		MCH	VN	-30	-4.14	-0.00495	PASS
				-20	-5.86	-0.00701	PASS
				-10	-8.71	-0.01041	PASS
				0	11.84	0.01416	PASS
				10	2.70	0.00323	PASS
				20	2.40	0.00287	PASS
				30	-25.01	-0.0299	PASS
				40	4.85	0.0058	PASS
				50	-17.46	-0.02088	PASS
		HCH	VN	-30	3.63	0.00429	PASS
				-20	-7.51	-0.00887	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	-1.62	-0.00191	PASS
				0	-3.72	-0.00439	PASS
				10	3.16	0.00373	PASS
				20	-6.00	-0.00709	PASS
				30	-4.52	-0.00534	PASS
				40	-10.45	-0.01234	PASS
				50	0.58	0.00069	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	0.82	0.00044	PASS
				-20	0.93	0.0005	PASS
				-10	-5.49	-0.00296	PASS
				0	0.87	0.00047	PASS
				10	2.14	0.00116	PASS
				20	0.17	0.00009	PASS
				30	2.87	0.00155	PASS
				40	3.49	0.00188	PASS
				50	1.48	0.0008	PASS
		MCH	VN	-30	-2.03	-0.00108	PASS
				-20	-2.87	-0.00153	PASS
				-10	1.59	0.00085	PASS
				0	0.03	0.00002	PASS
				10	-2.44	-0.0013	PASS
				20	-1.34	-0.00071	PASS
				30	1.13	0.0006	PASS
				40	2.56	0.00136	PASS
				50	7.51	0.00399	PASS
		HCH	VN	-30	-1.40	-0.00073	PASS
				-20	-0.40	-0.00021	PASS
				-10	3.48	0.00182	PASS
				0	3.37	0.00177	PASS
				10	1.37	0.00072	PASS
				20	2.55	0.00134	PASS
				30	4.04	0.00212	PASS
				40	2.66	0.00139	PASS
				50	-0.64	-0.00034	PASS

END