



Appendix for test report

1 Appendix_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	32.57	23.67	38.5	PASS
		MCH	32.51	23.61	38.5	PASS
		HCH	32.78	23.88	38.5	PASS
	GSM/TM2	LCH	26.42	17.52	38.5	PASS
		MCH	26.38	17.48	38.5	PASS
		HCH	26.32	17.42	38.5	PASS
WCDMA850	UMTS/TM1	LCH	24.22	15.32	38.5	PASS
		MCH	24.26	15.36	38.5	PASS
		HCH	24.34	15.44	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.68	26.68	33	PASS
		MCH	29.65	26.65	33	PASS



Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
	GSM/TM2	HCH	29.57	26.57	33	PASS
		LCH	24.97	21.97	33	PASS
		MCH	24.95	21.95	33	PASS
		HCH	24.98	21.98	33	PASS
WCDMA1900	UMTS/TM1	LCH	22.64	19.64	33	PASS
		MCH	22.6	19.6	33	PASS
		HCH	22.45	19.45	33	PASS
WCDMA1700	UMTS/TM1	LCH	23.2	20	33	PASS
		MCH	22.78	19.58	33	PASS
		HCH	22.79	19.59	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
GSM1900	GSM/TM1	LCH	0.13	13	PASS
		MCH	0.13	13	PASS
		HCH	0.13	13	PASS
	GSM/TM2	LCH	3.26	13	PASS
		MCH	3.24	13	PASS
		HCH	3.31	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM1	LCH	3.31	13	PASS
		MCH	3.23	13	PASS
		HCH	3.35	13	PASS
WCDMA1700	UMTS/TM1	LCH	3.48	13	PASS
		MCH	3.5	13	PASS
		HCH	3.55	13	PASS

3Appendix_C: Modulation Characteristics

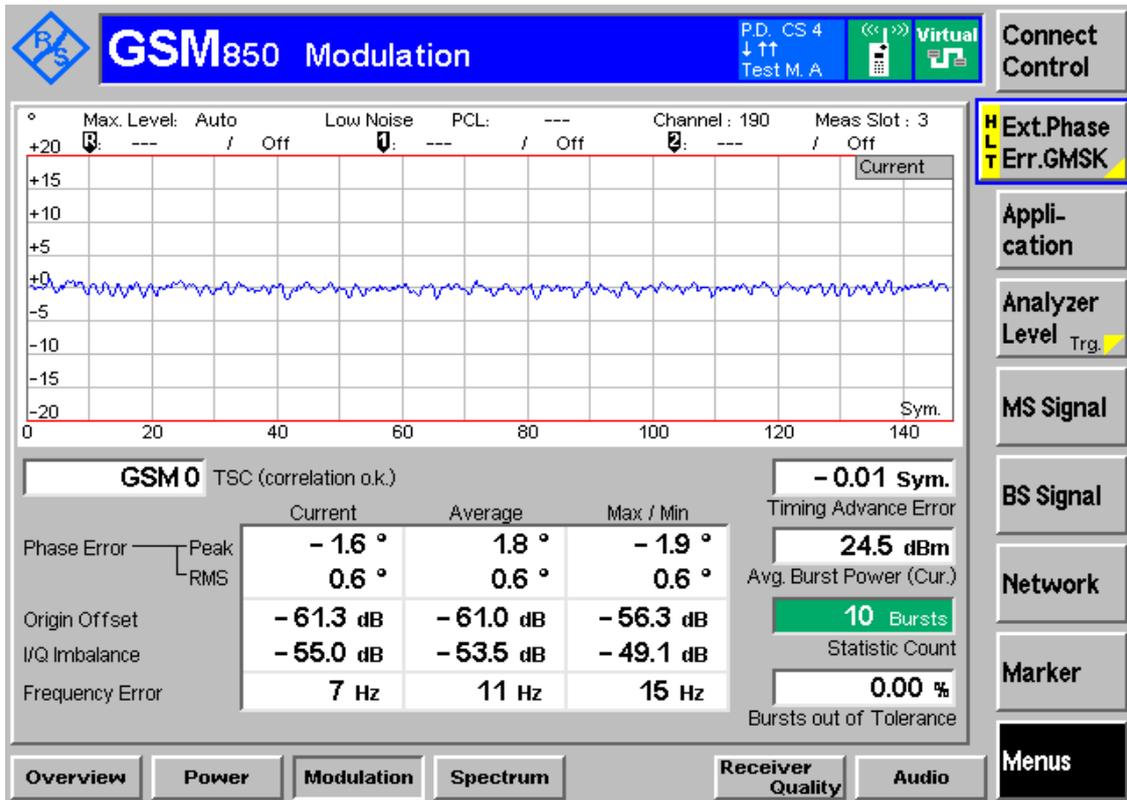
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

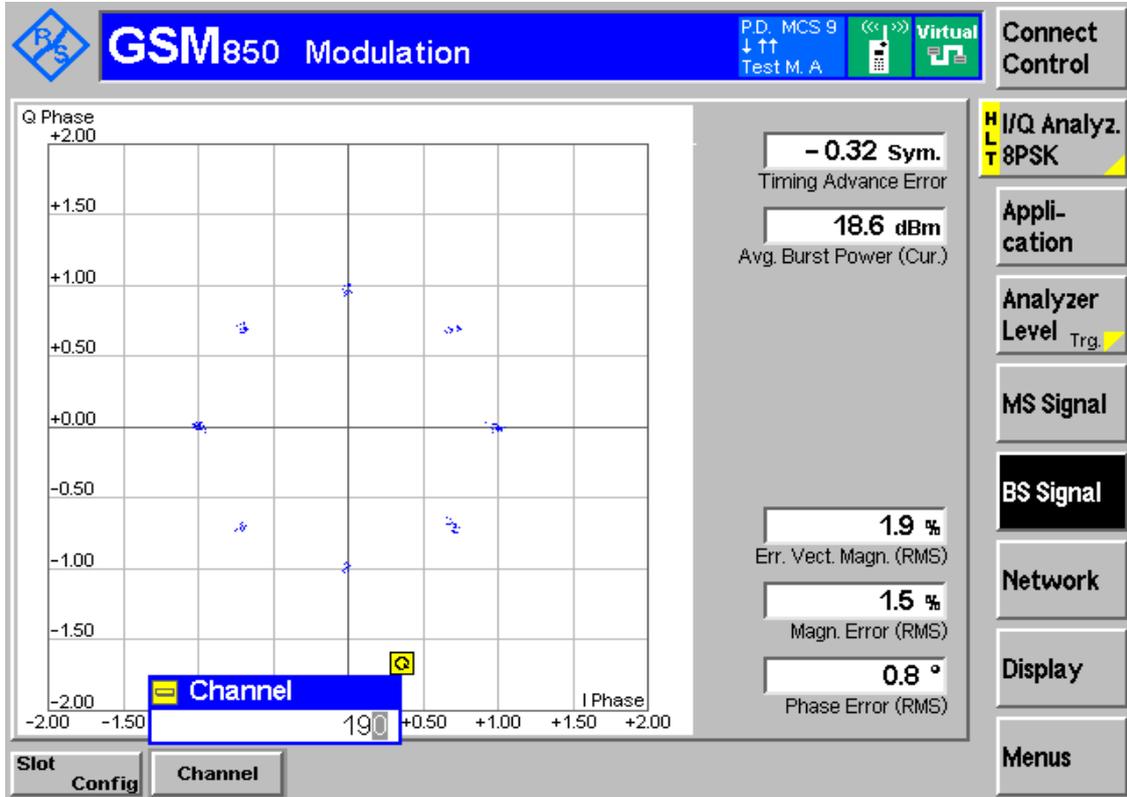
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

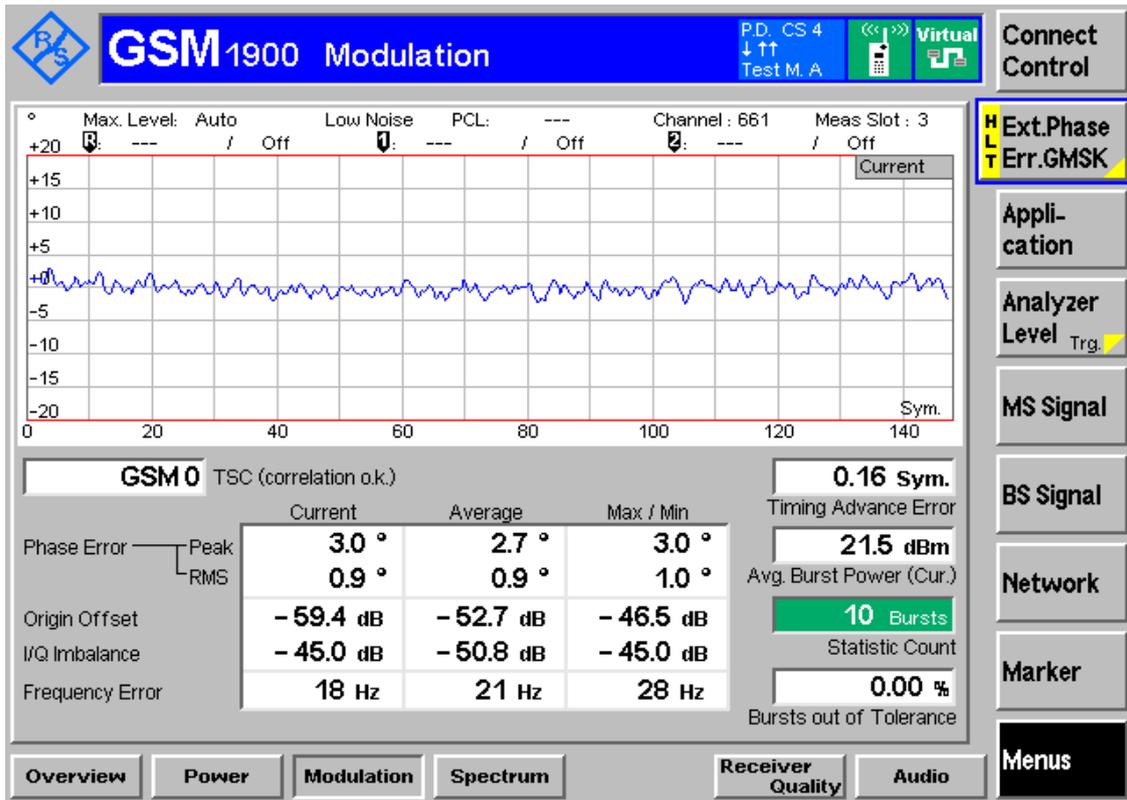
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

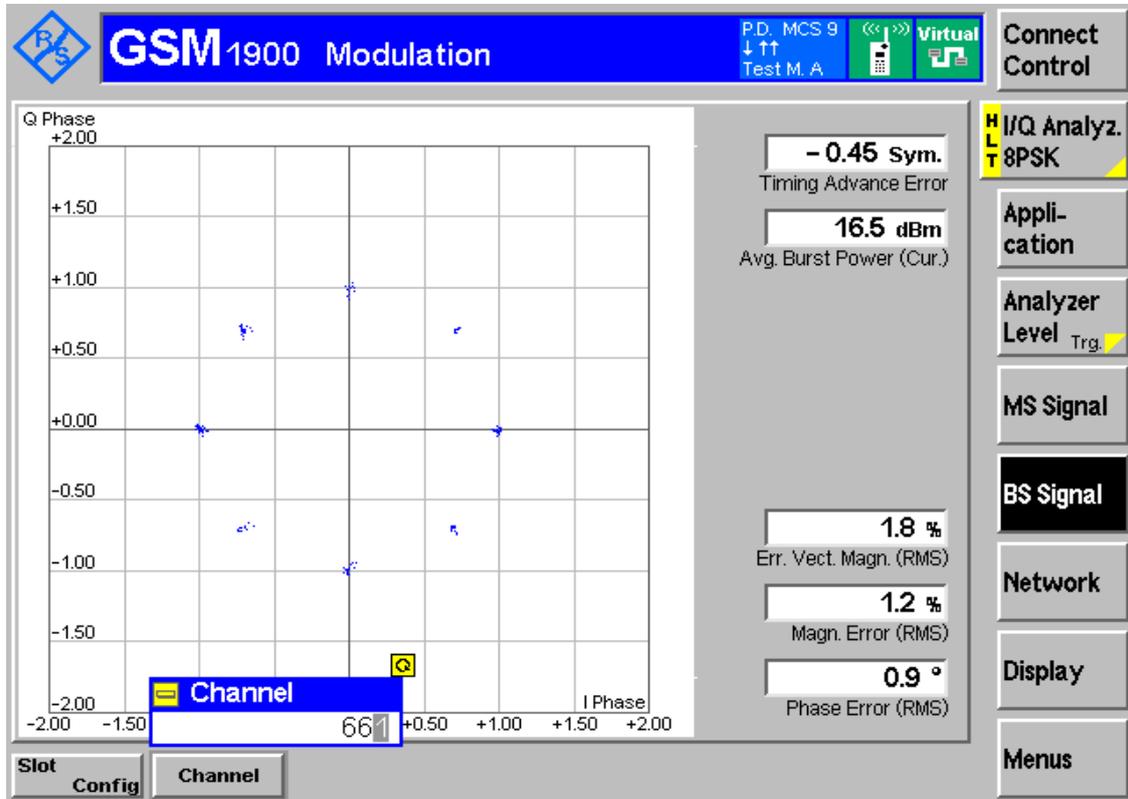
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

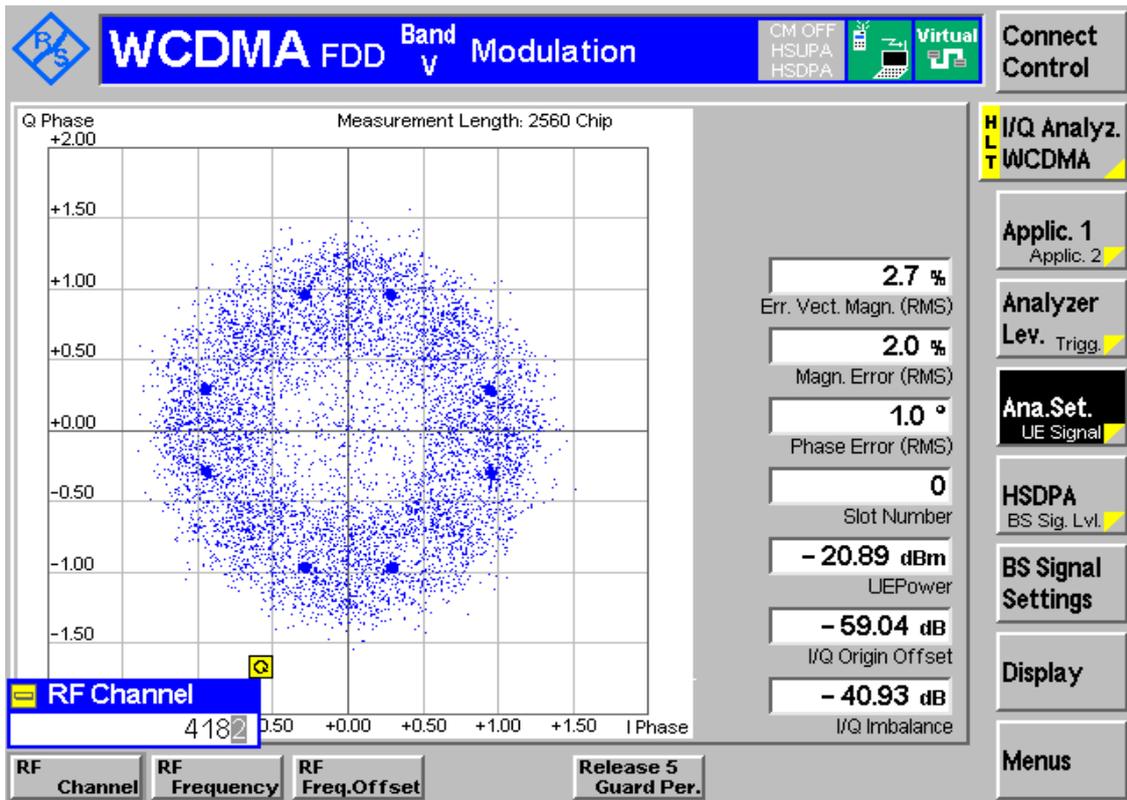


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

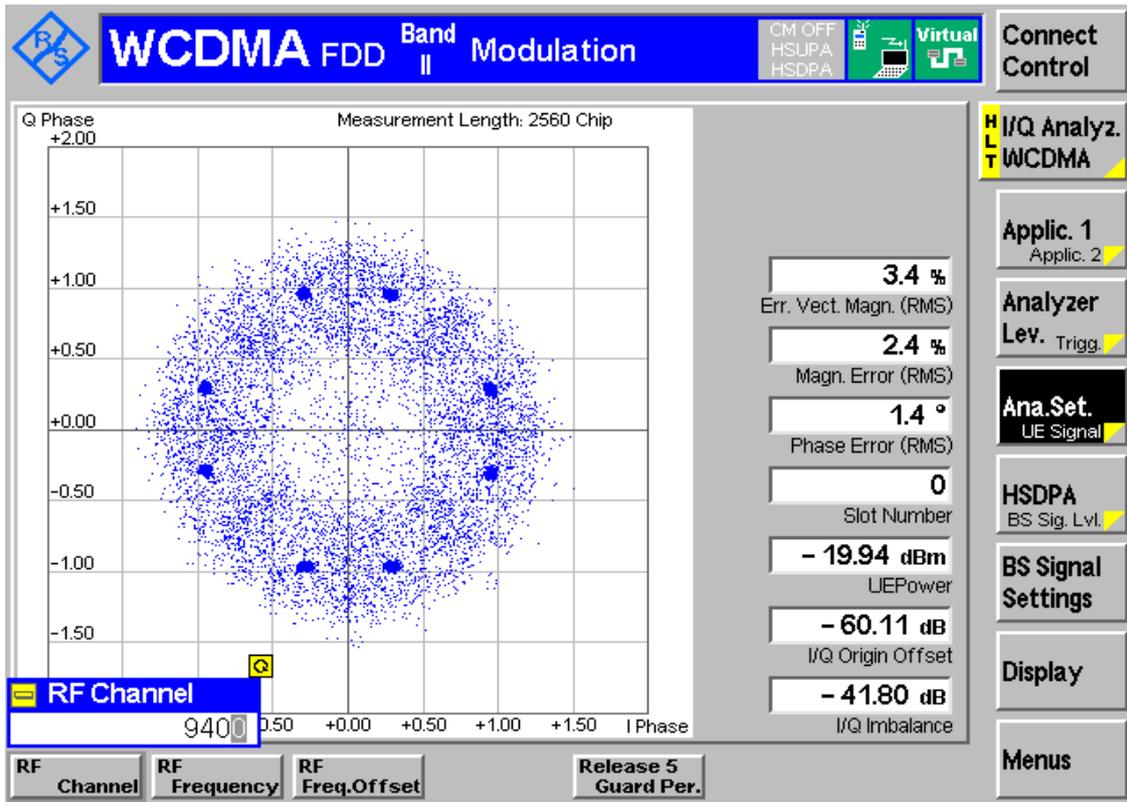
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

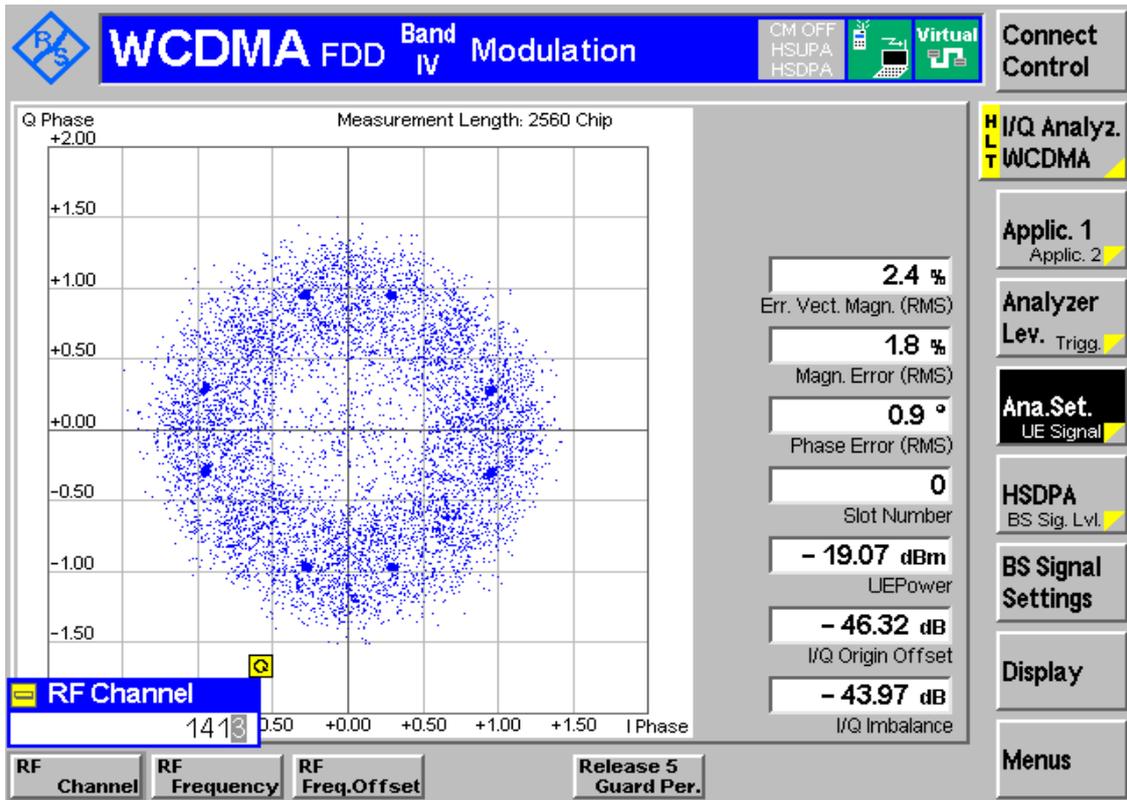
3.2.2.1.1 Test Channel = MCH



3.2.3 Test Band = WCDMA1700

3.2.3.1 Test Mode = UMTS/TM1

3.2.3.1.1 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	242.32	309.84	Pass
		MCH	241.62	315.84	Pass
		HCH	245.01	313.72	Pass
	GSM/TM2	LCH	246.41	318.10	Pass
		MCH	247.45	311.18	Pass
		HCH	247.40	321.47	Pass
GSM1900	GSM/TM1	LCH	241.35	317.32	Pass
		MCH	243.31	317.62	Pass
		HCH	244.00	315.68	Pass
	GSM/TM2	LCH	252.73	316.76	Pass
		MCH	243.73	318.17	Pass
		HCH	248.14	318.24	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.16	4.72	Pass
		MCH	4.16	4.73	Pass
		HCH	4.16	4.74	Pass
WCDMA1900	UMTS/TM1	LCH	4.15	4.72	Pass
		MCH	4.15	4.72	Pass
		HCH	4.16	4.72	Pass
WCDMA1700	UMTS/TM1	LCH	4.16	4.72	Pass
		MCH	4.16	4.71	Pass
		HCH	4.16	4.73	Pass

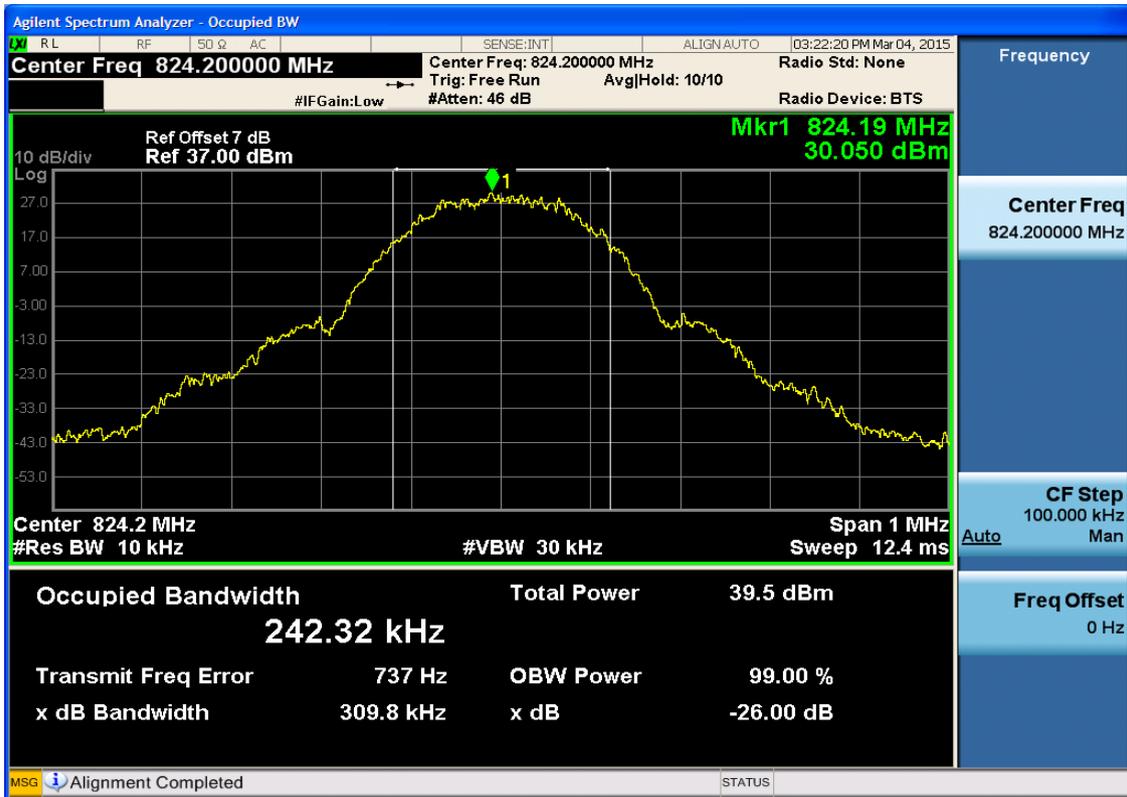
Part II - Test Plots

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





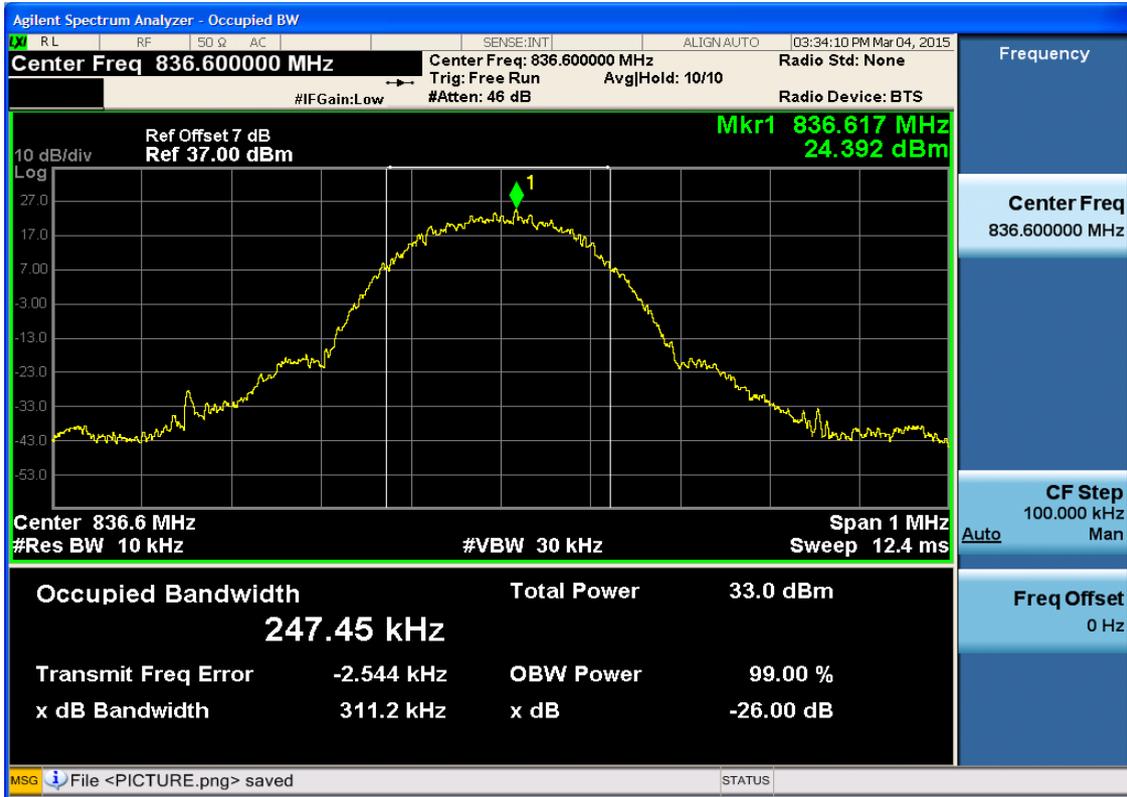
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



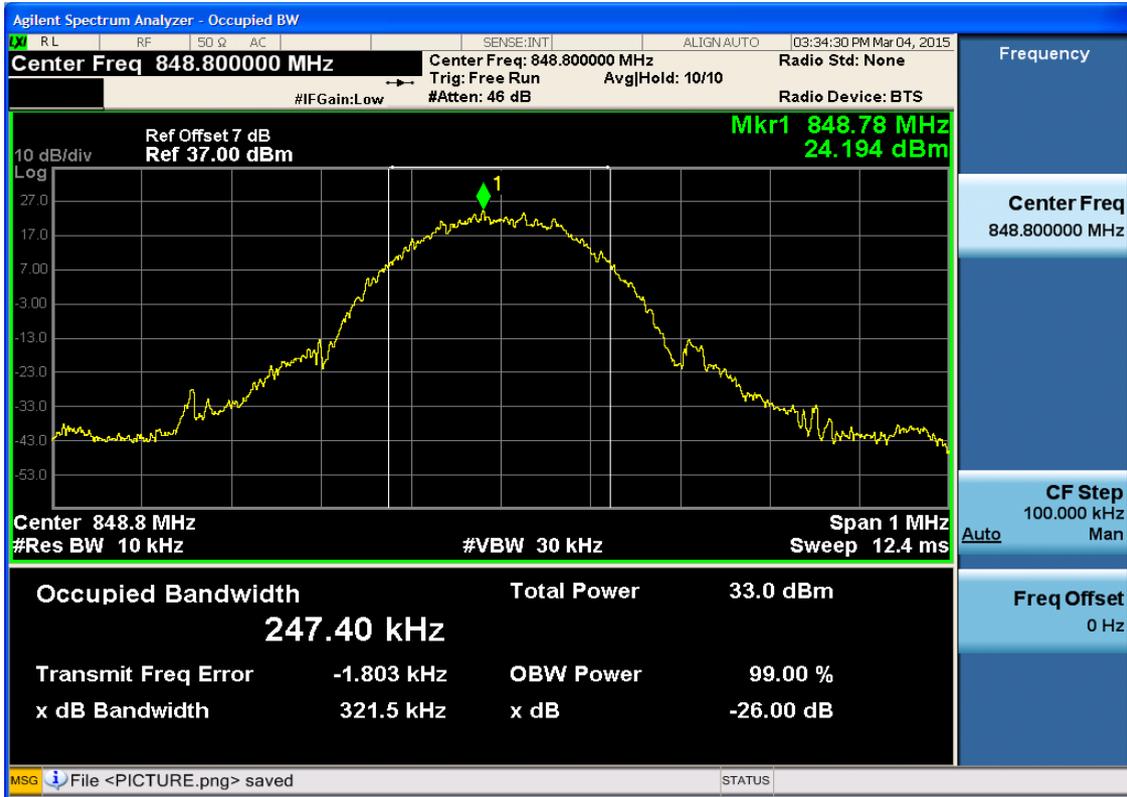


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH

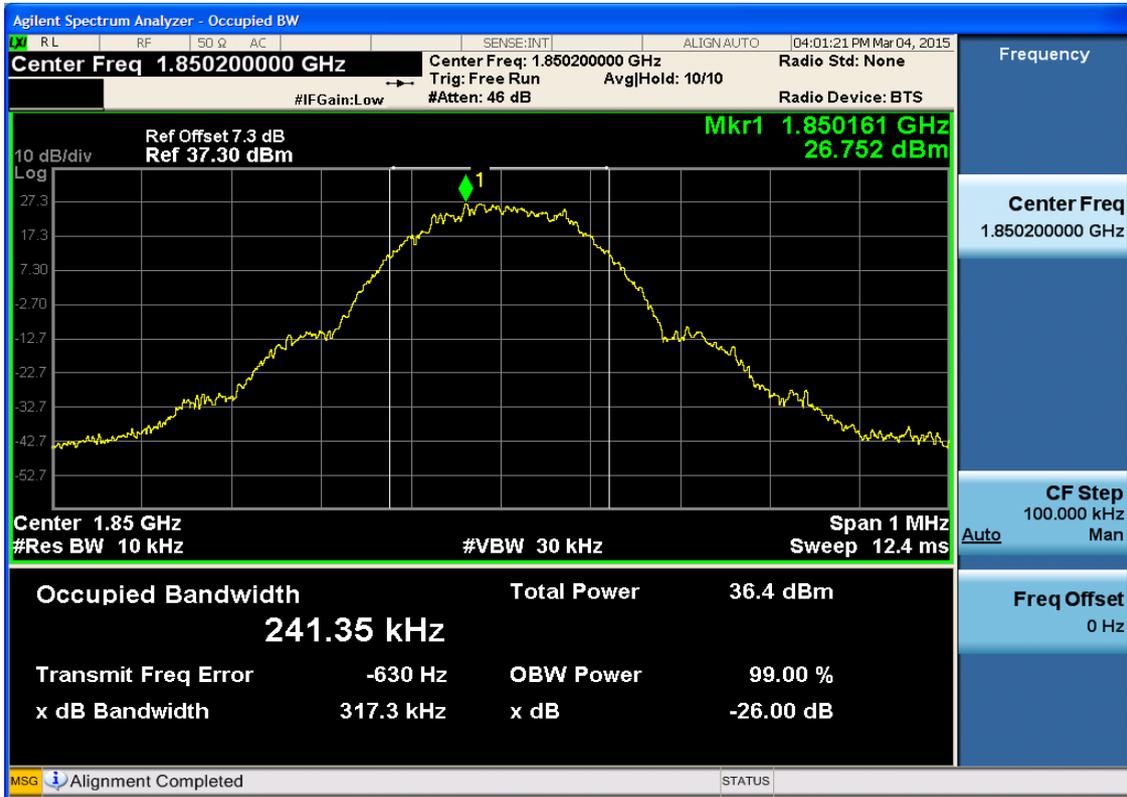




4.1.2 Test Band = GSM1900

4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



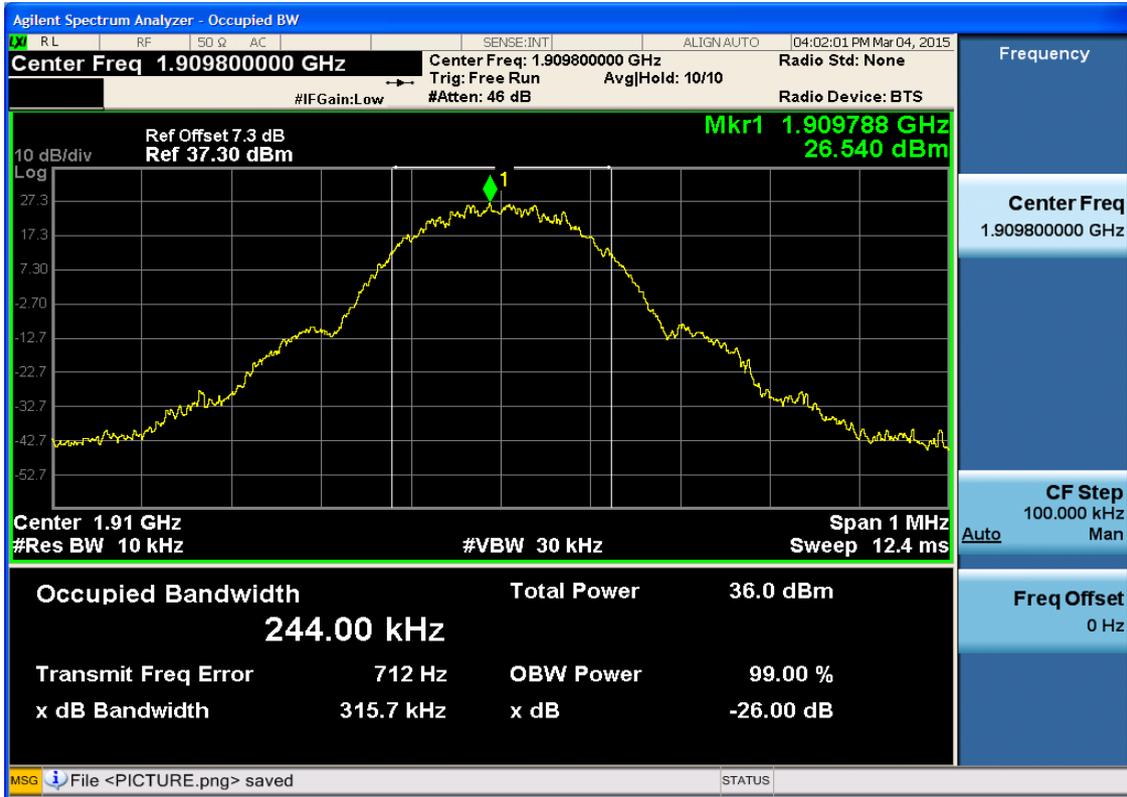


4.1.2.1.2 Test Channel = MCH





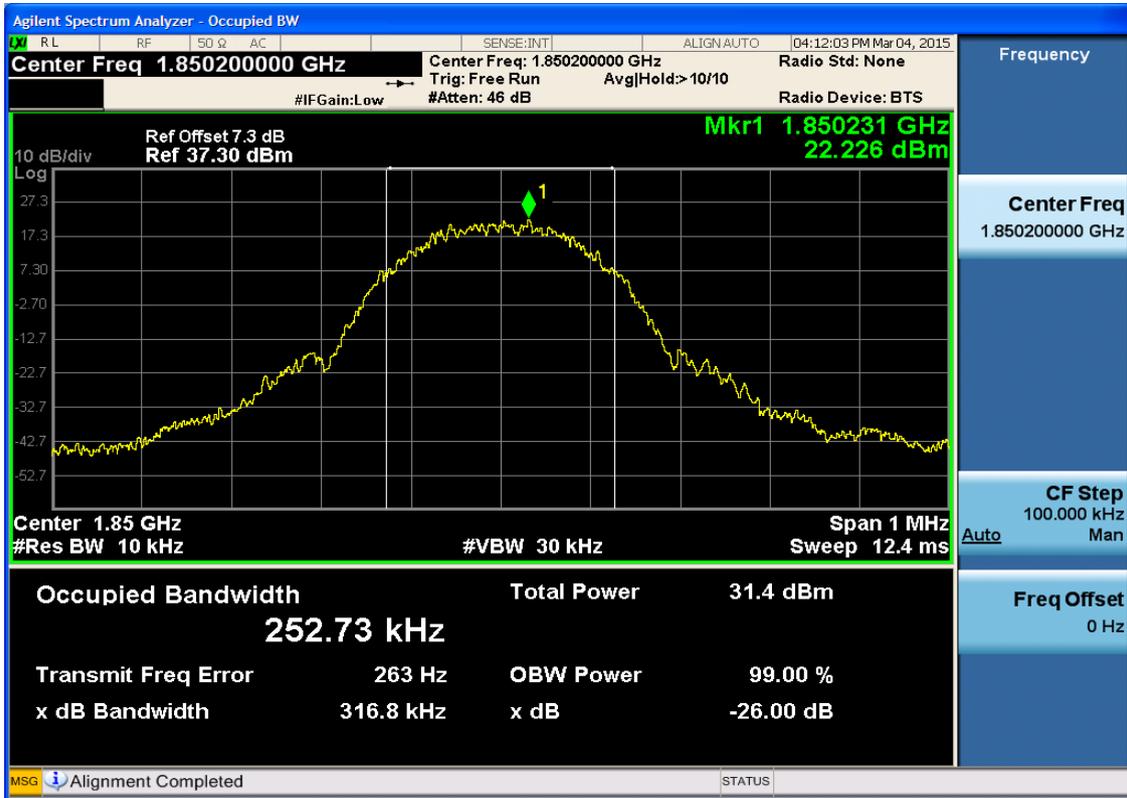
4.1.2.1.3 Test Channel = HCH



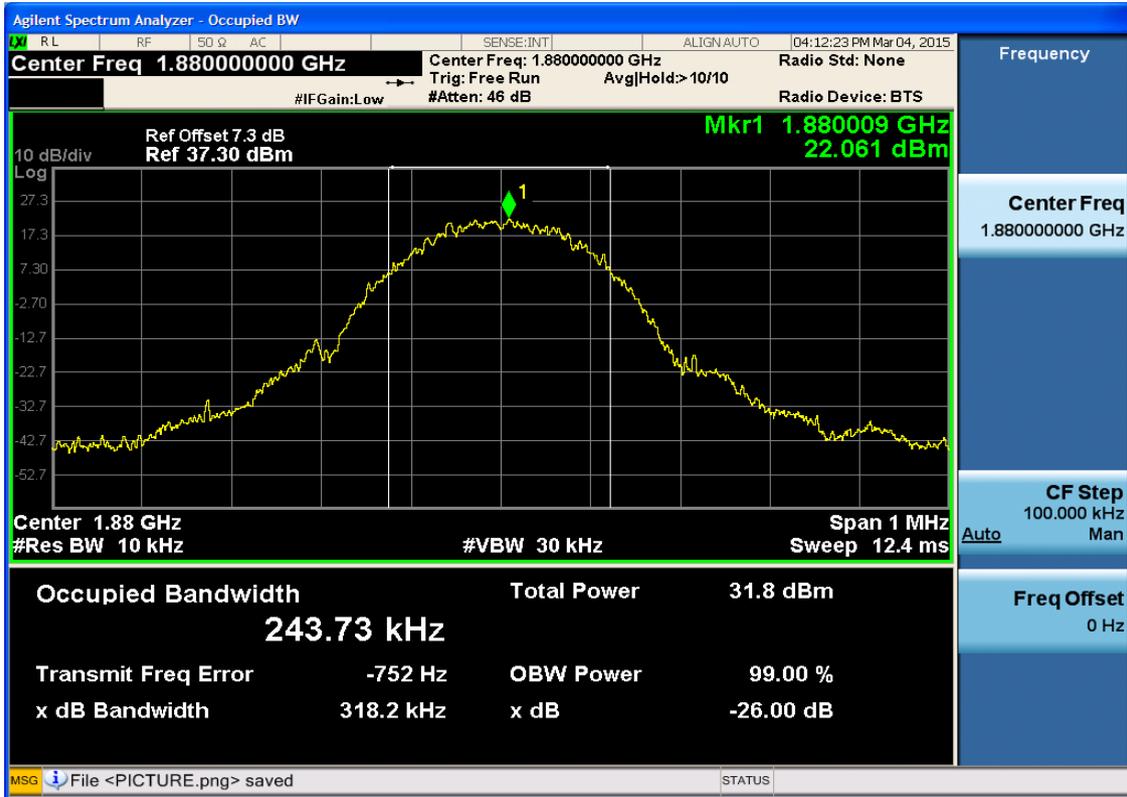


4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH

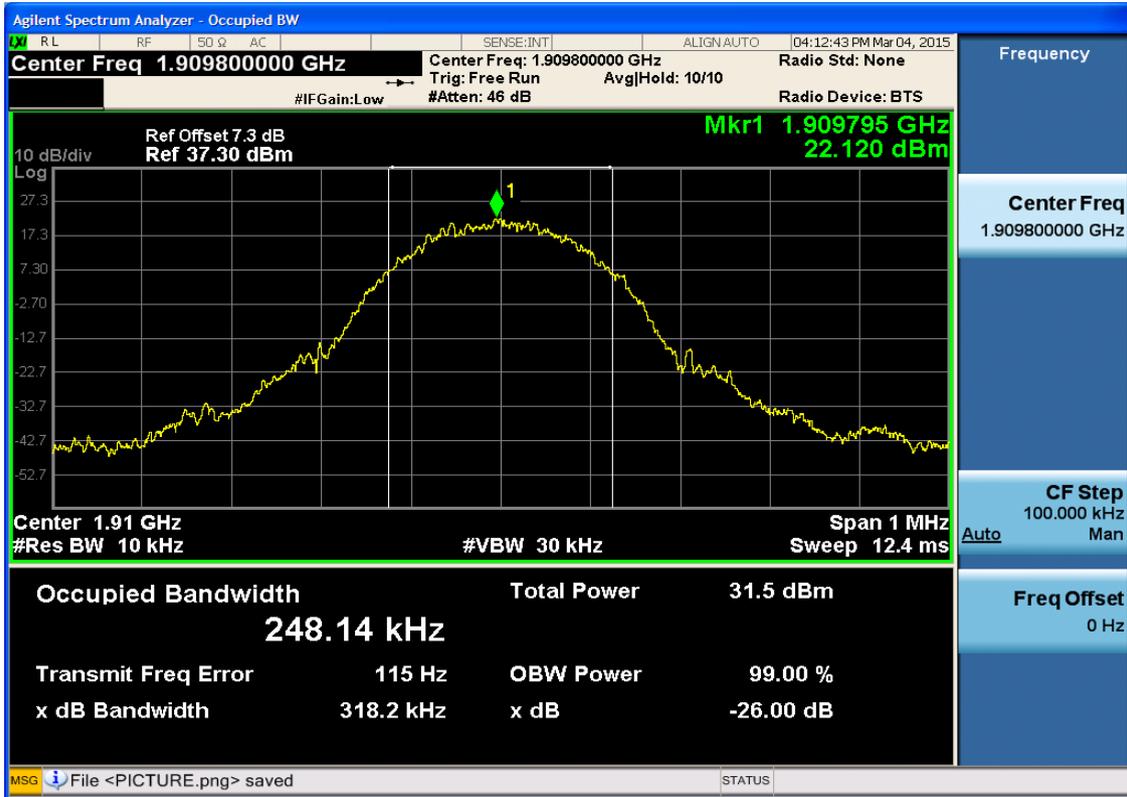


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH

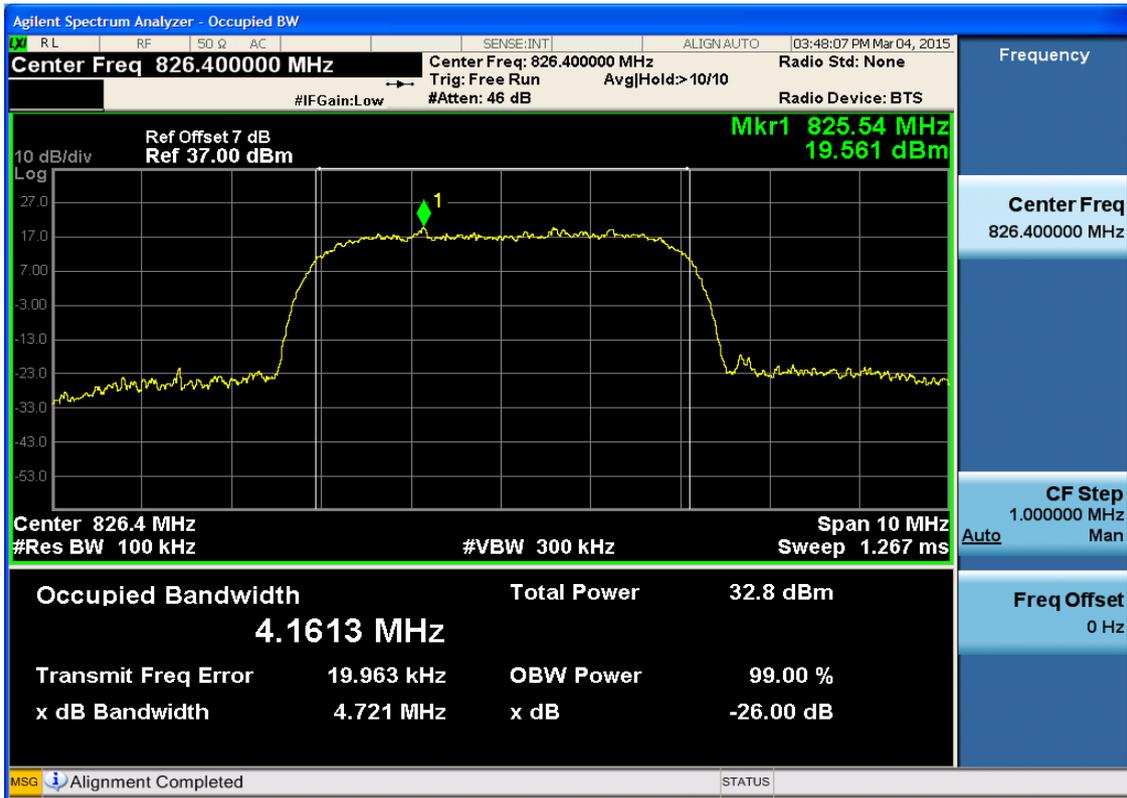


4.2 For UMTS

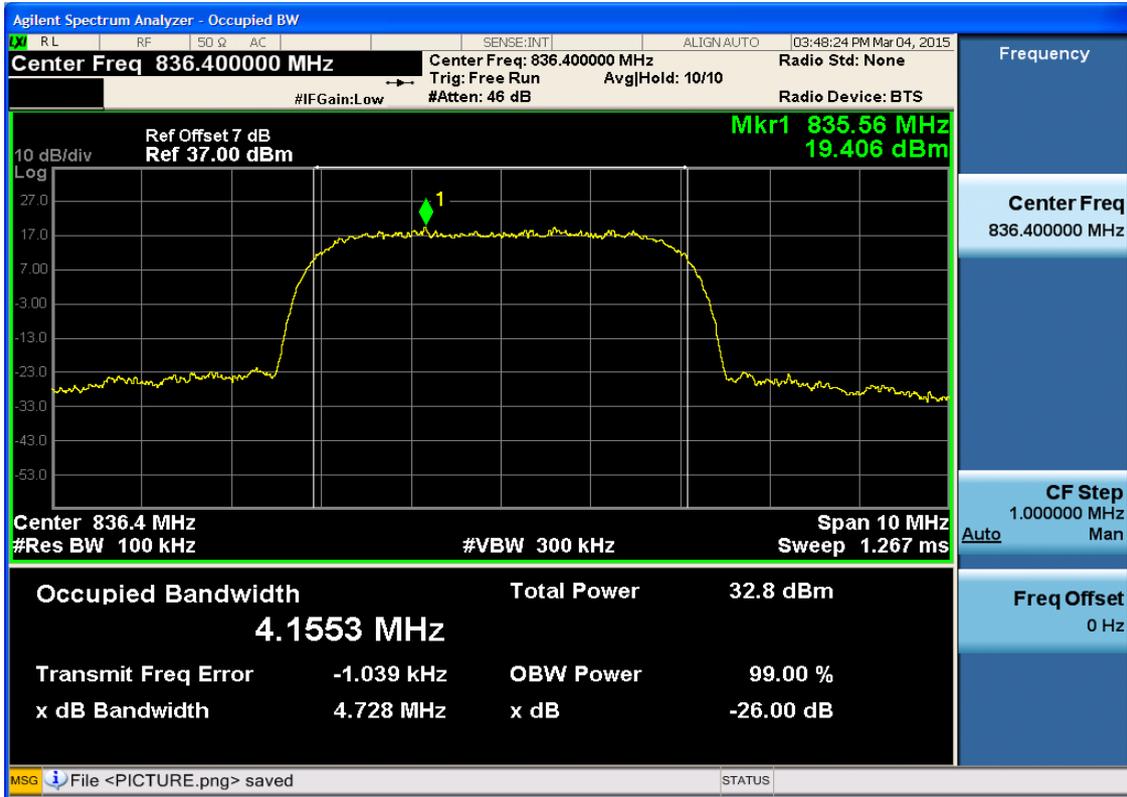
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4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH

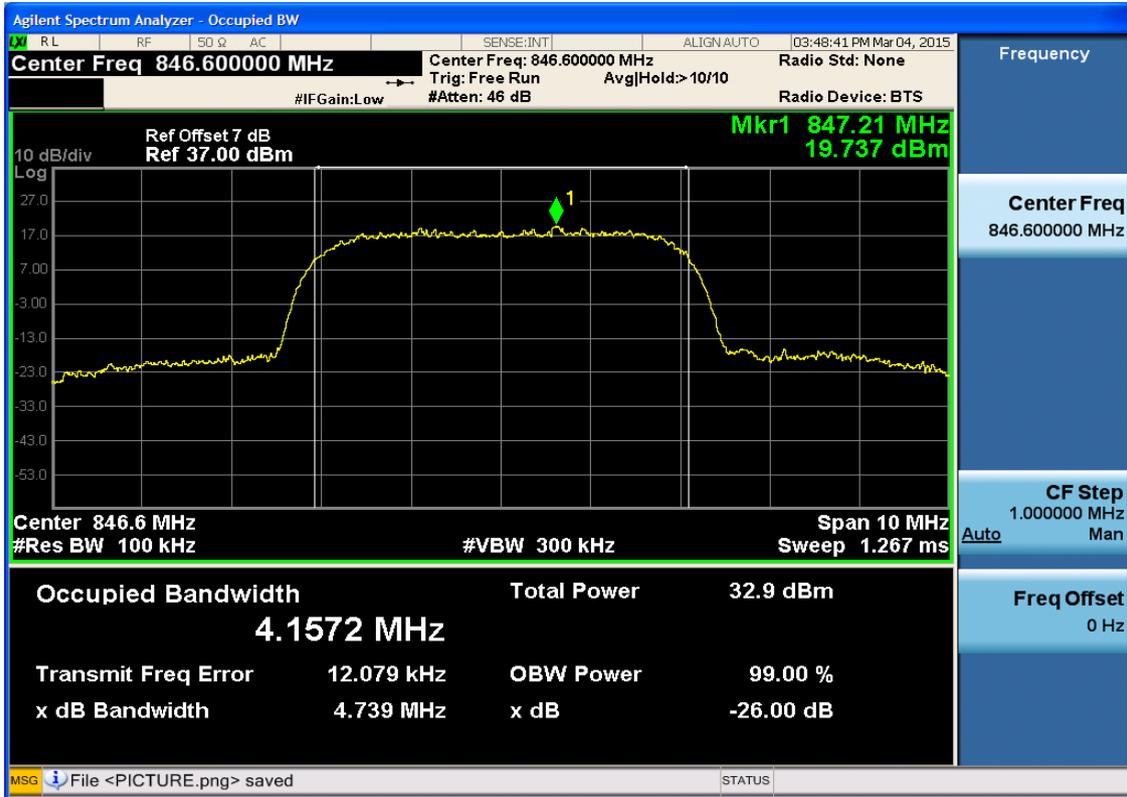


4.2.1.1.2 Test Channel = MCH





4.2.1.1.3 Test Channel = HCH

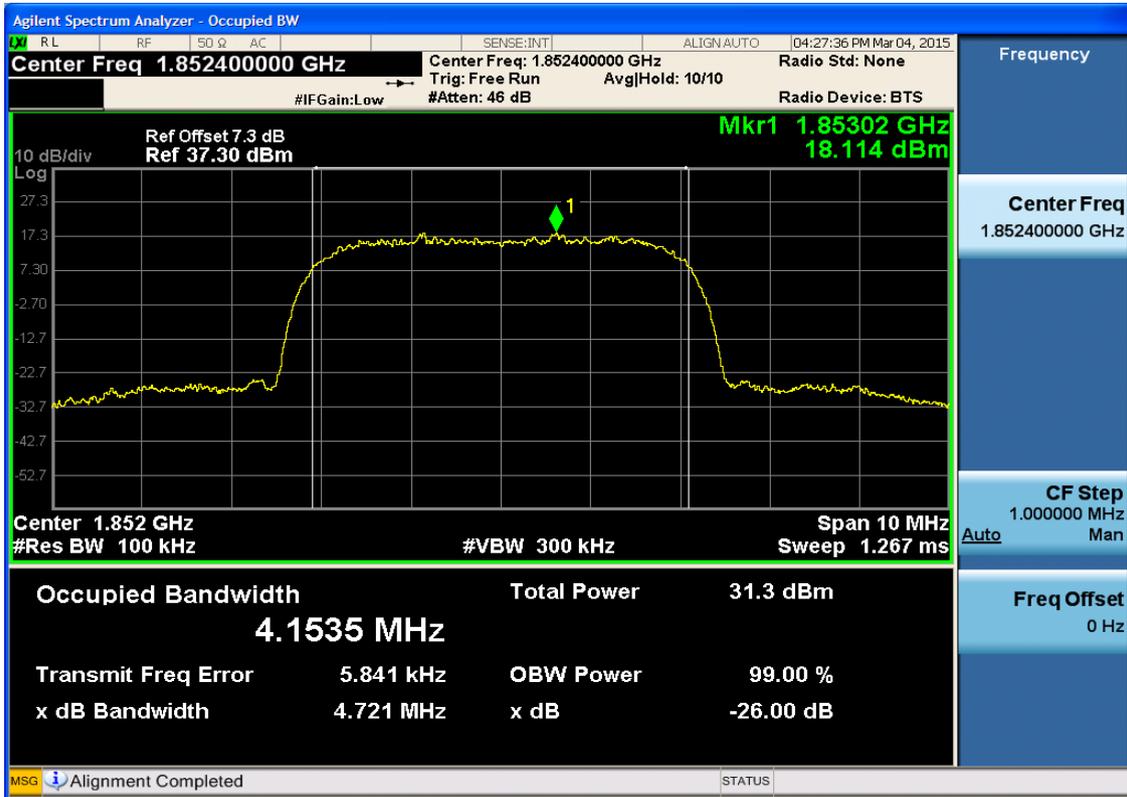




4.2.2 Test Band = WCDMA1900

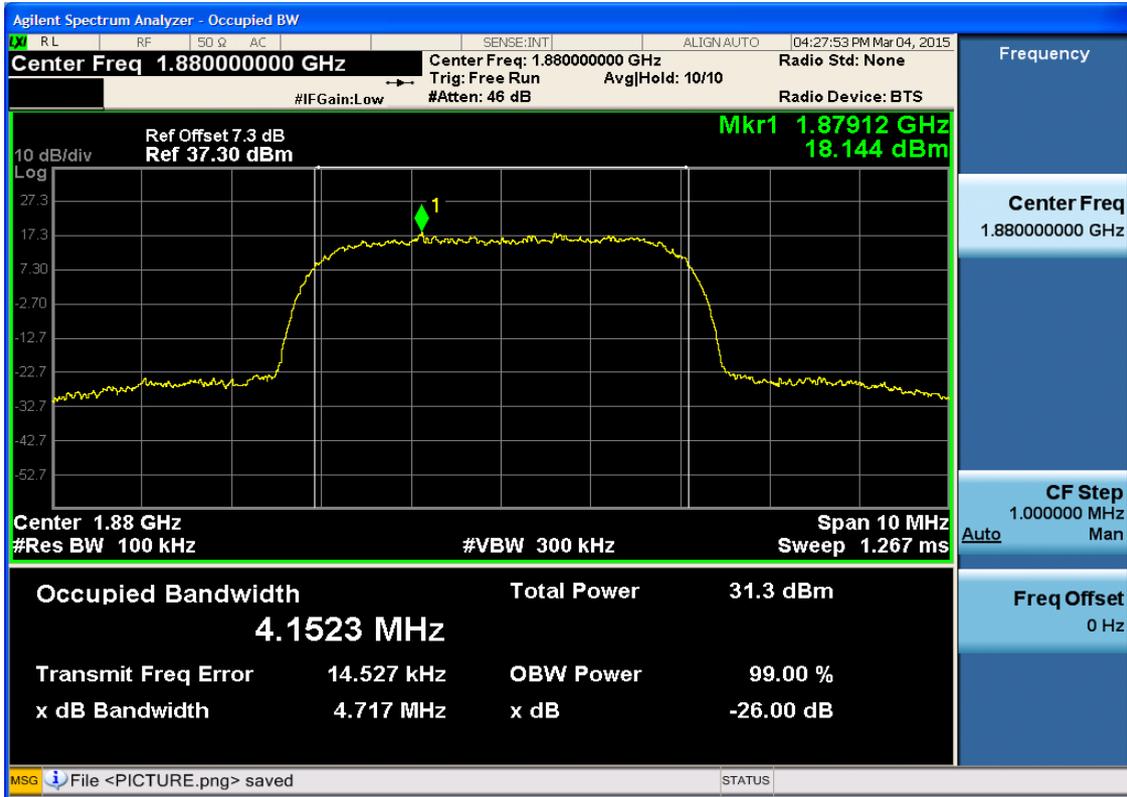
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH

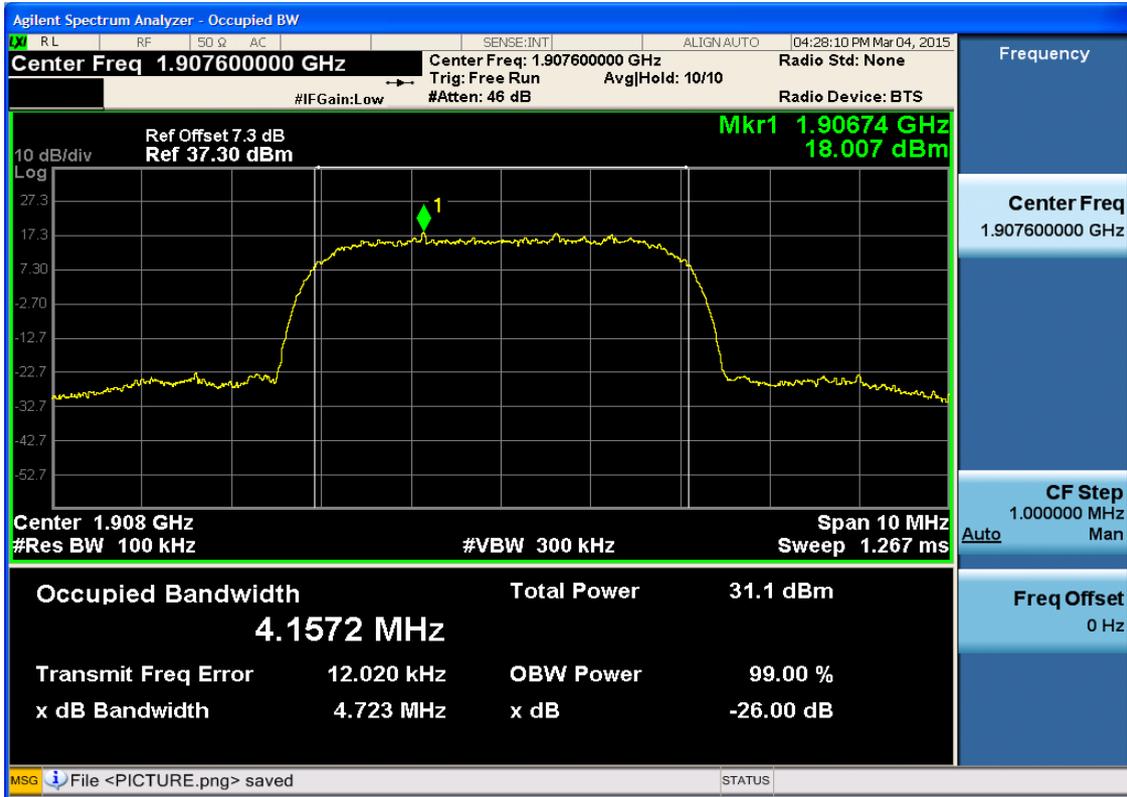




4.2.2.1.2 Test Channel = MCH



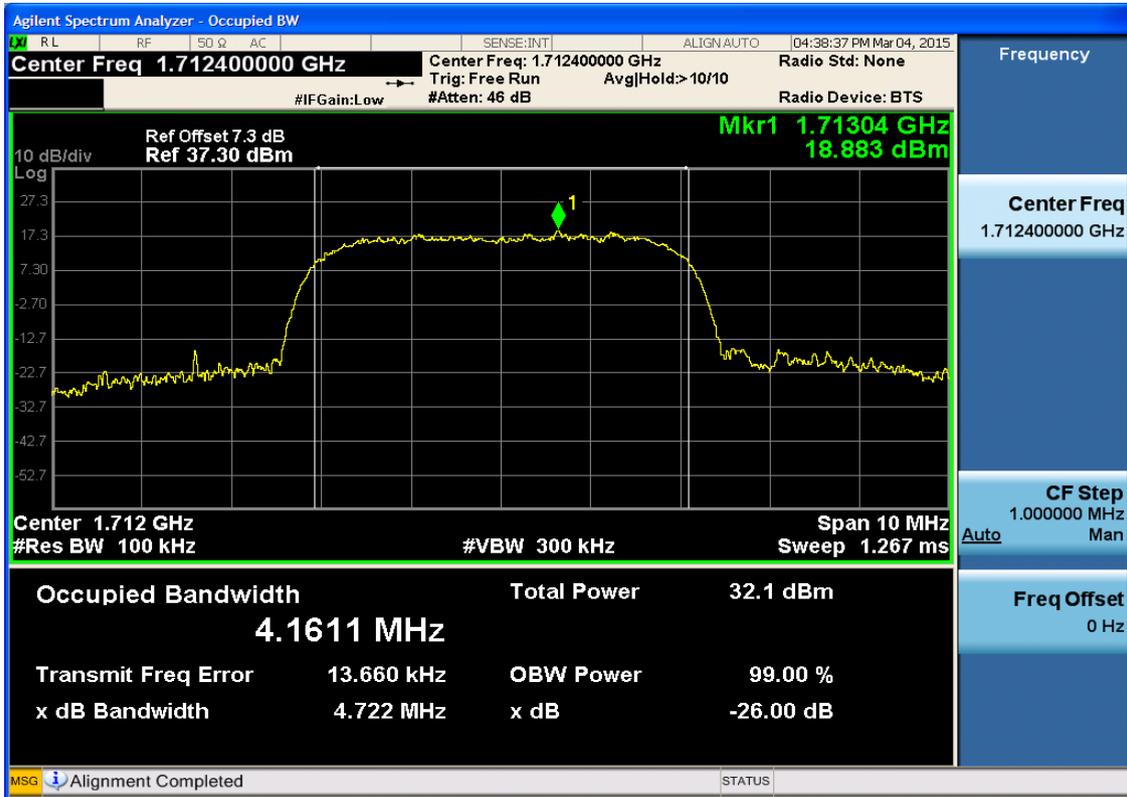
4.2.2.1.3 Test Channel = HCH



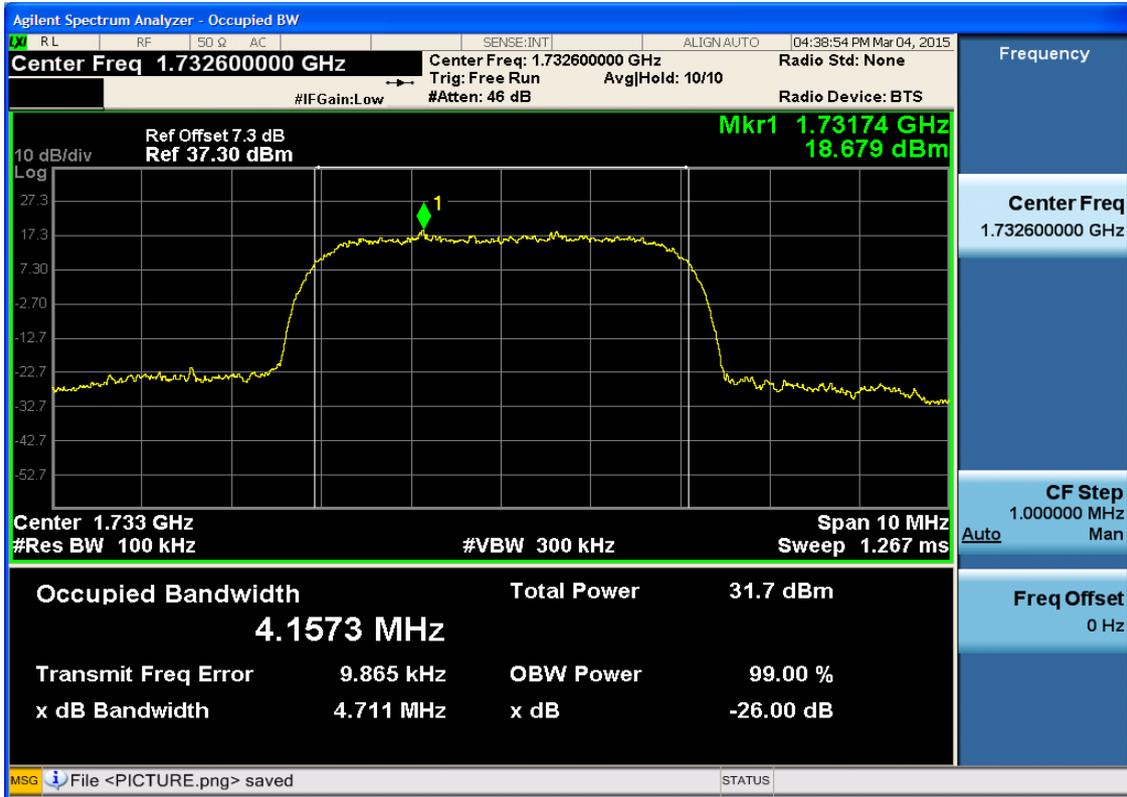
4.2.3 Test Band = WCDMA1700

4.2.3.1 Test Mode = UMTS/TM1

4.2.3.1.1 Test Channel = LCH

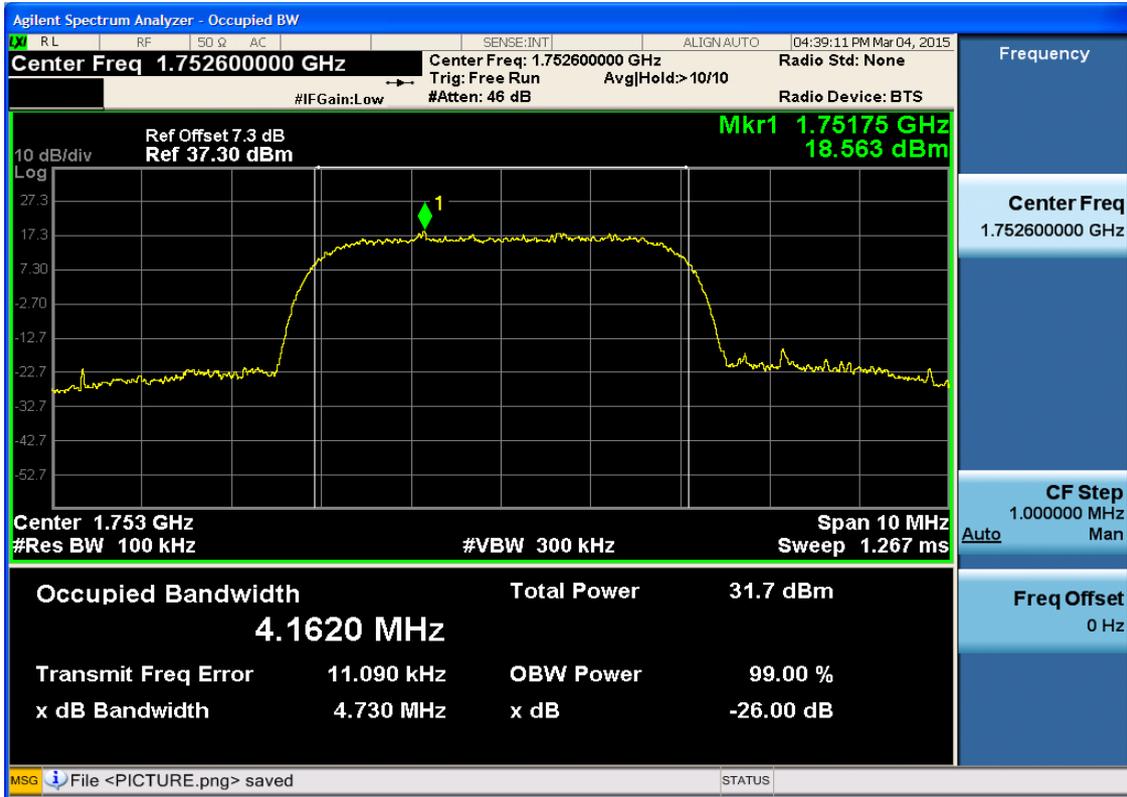


4.2.3.1.2 Test Channel = MCH





4.2.3.1.3 Test Channel = HCH



5Appendix_E: Band Edges Compliance

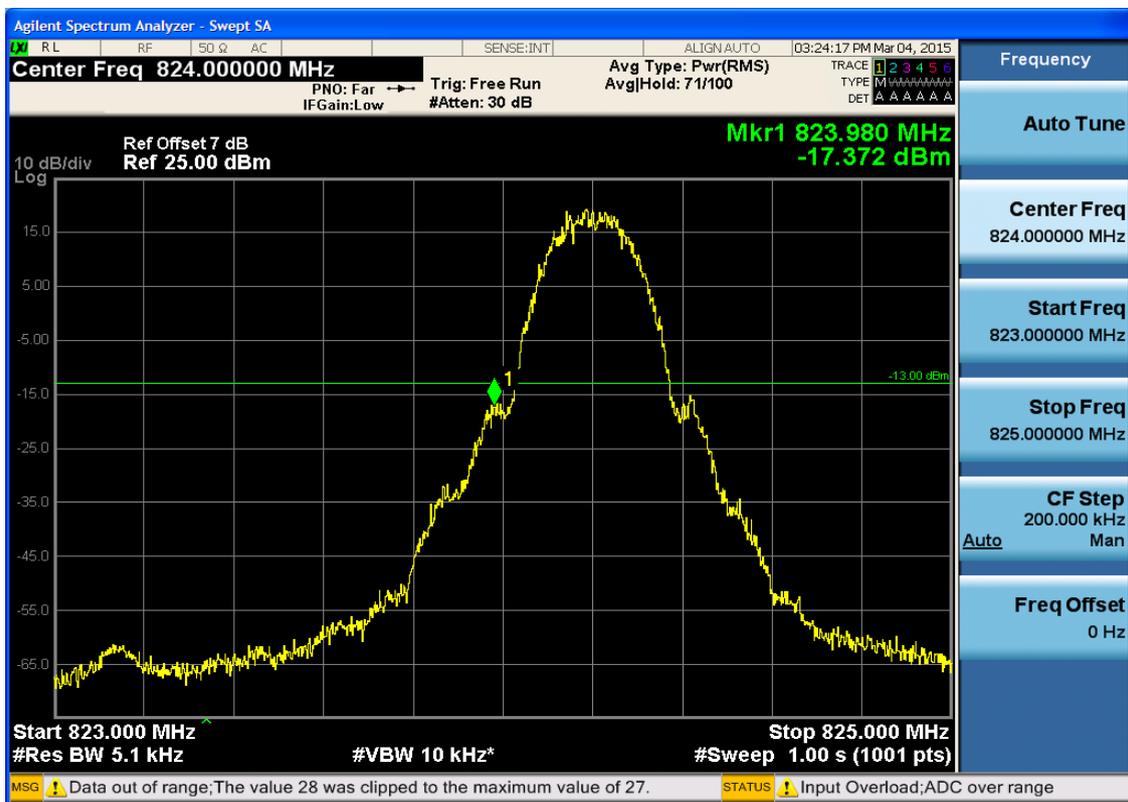
Part I - Test Plots

5.1 For GSM

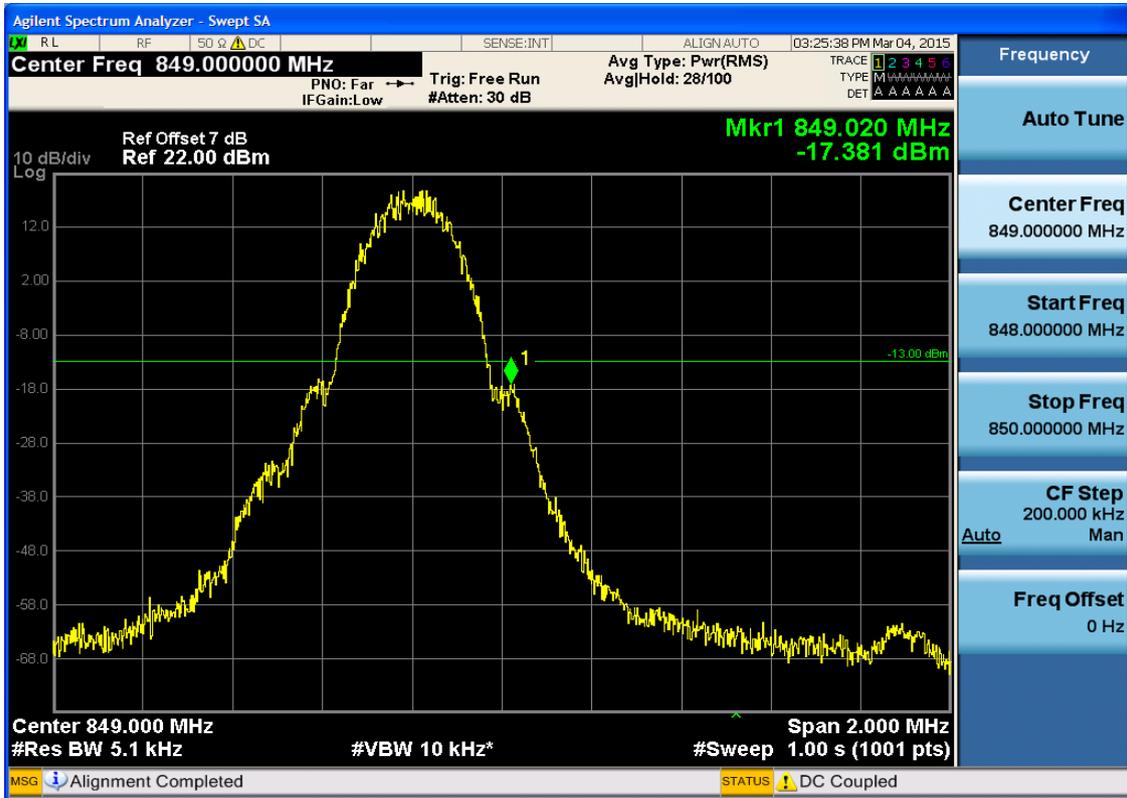
5.1.1 Test Band = GSM850

5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH

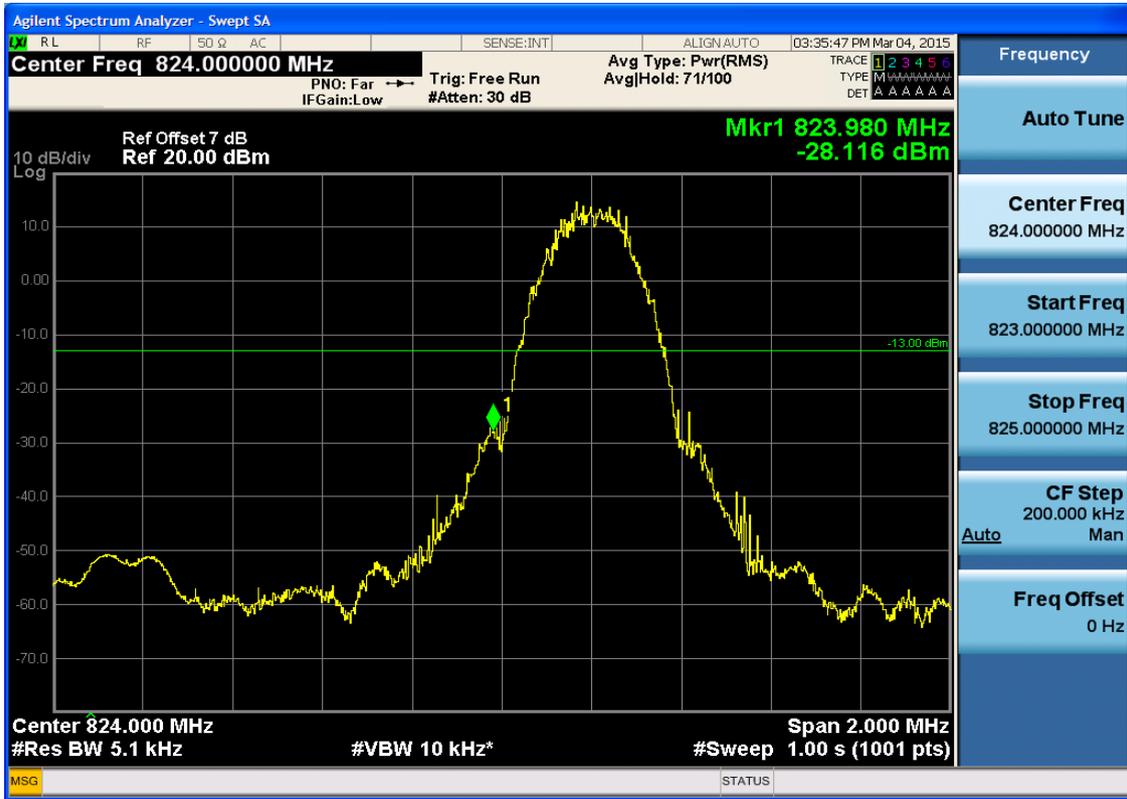


5.1.1.1.2 Test Channel = HCH



5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH



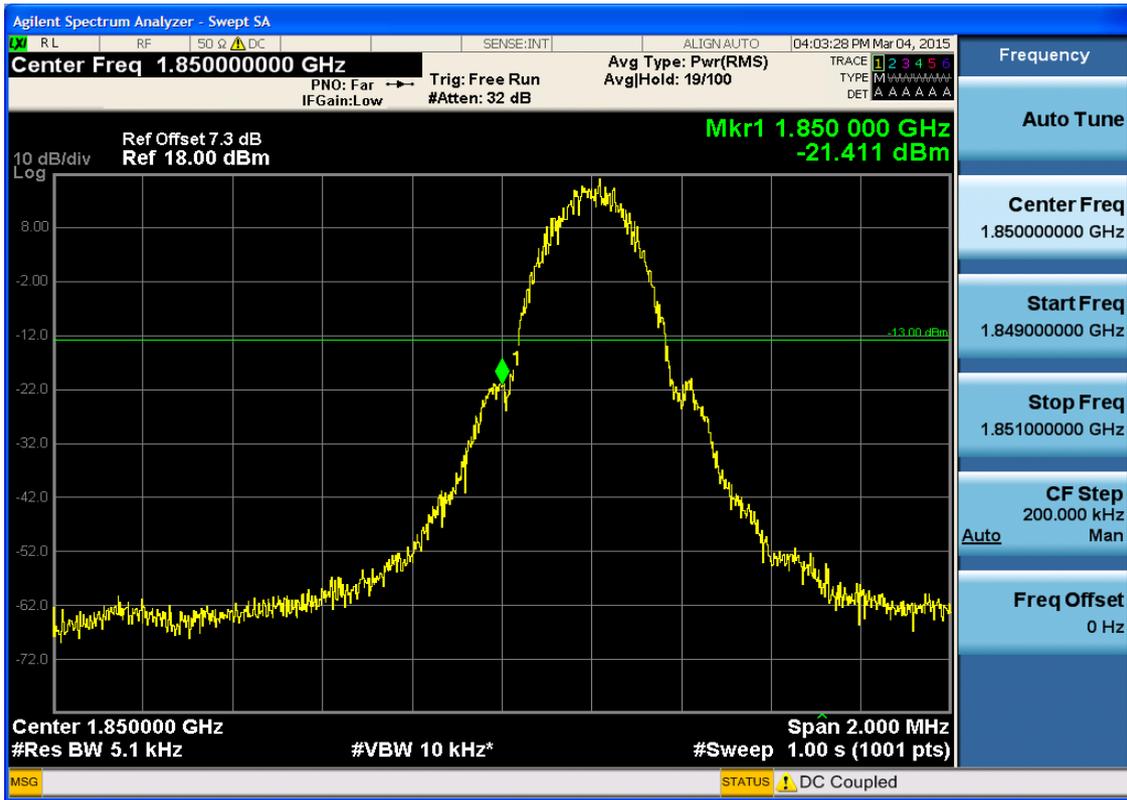
5.1.1.2.2 Test Channel = HCH



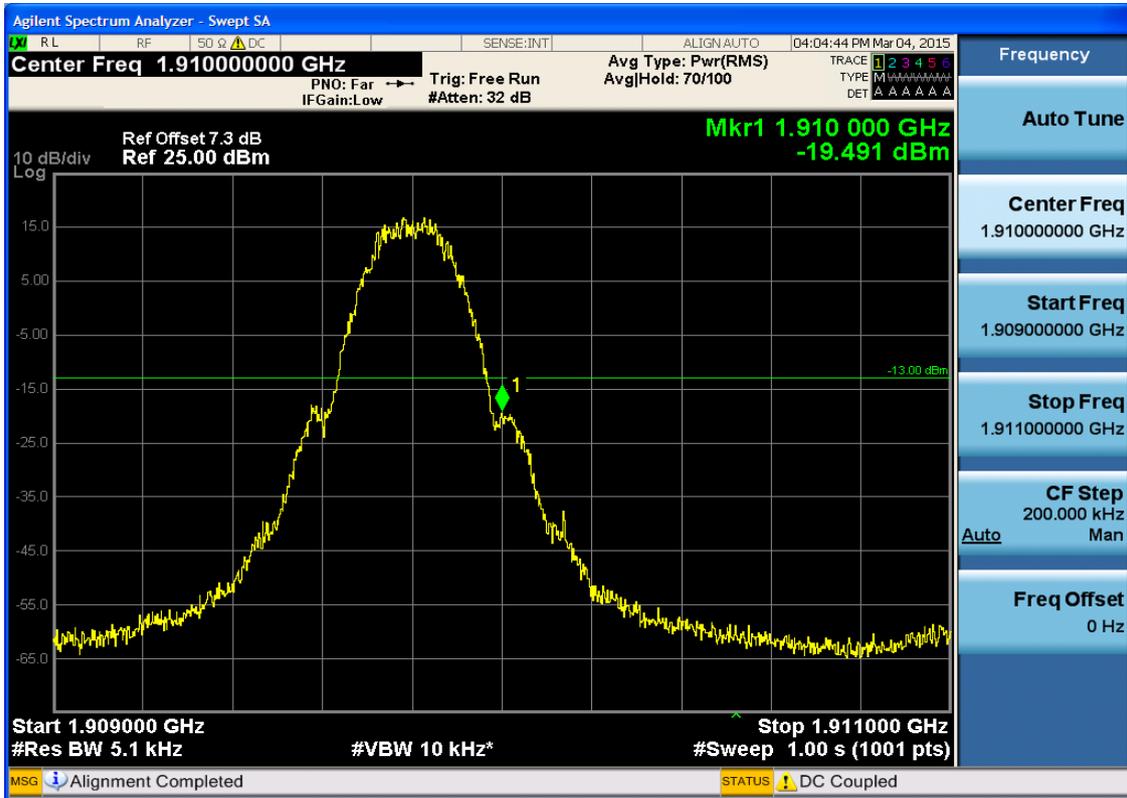
5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH

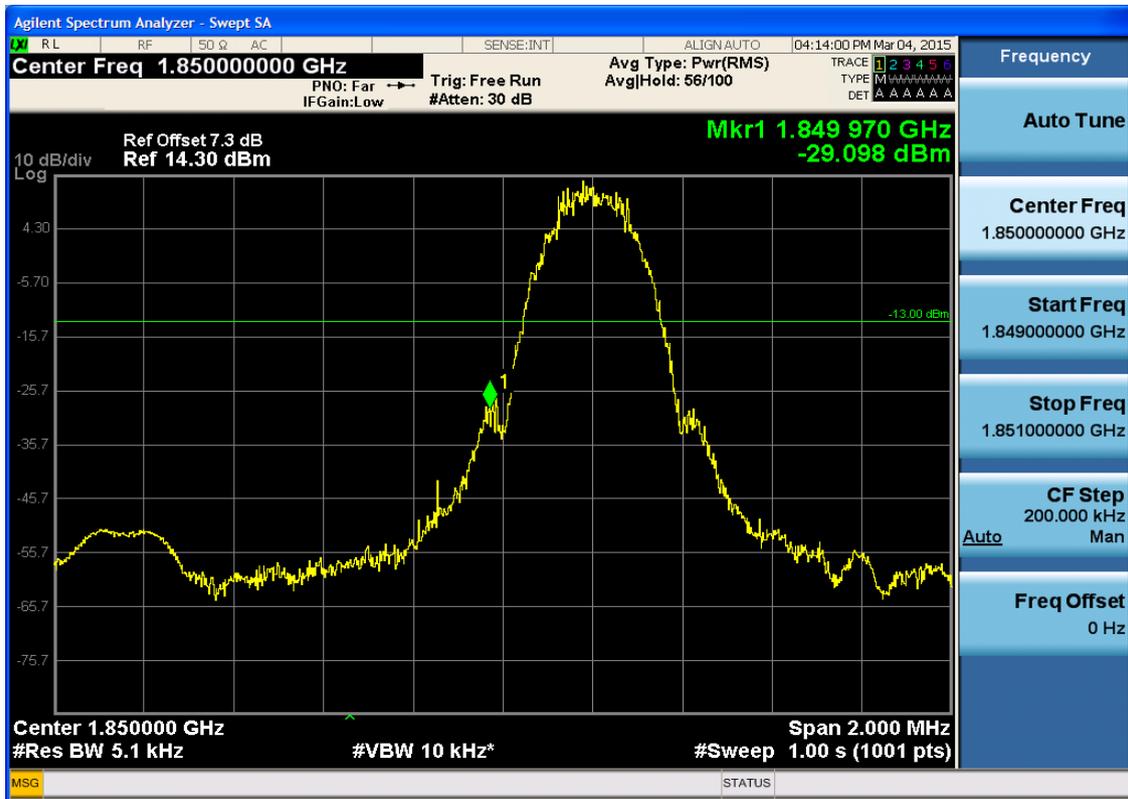


5.1.2.1.2 Test Channel = HCH



5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH

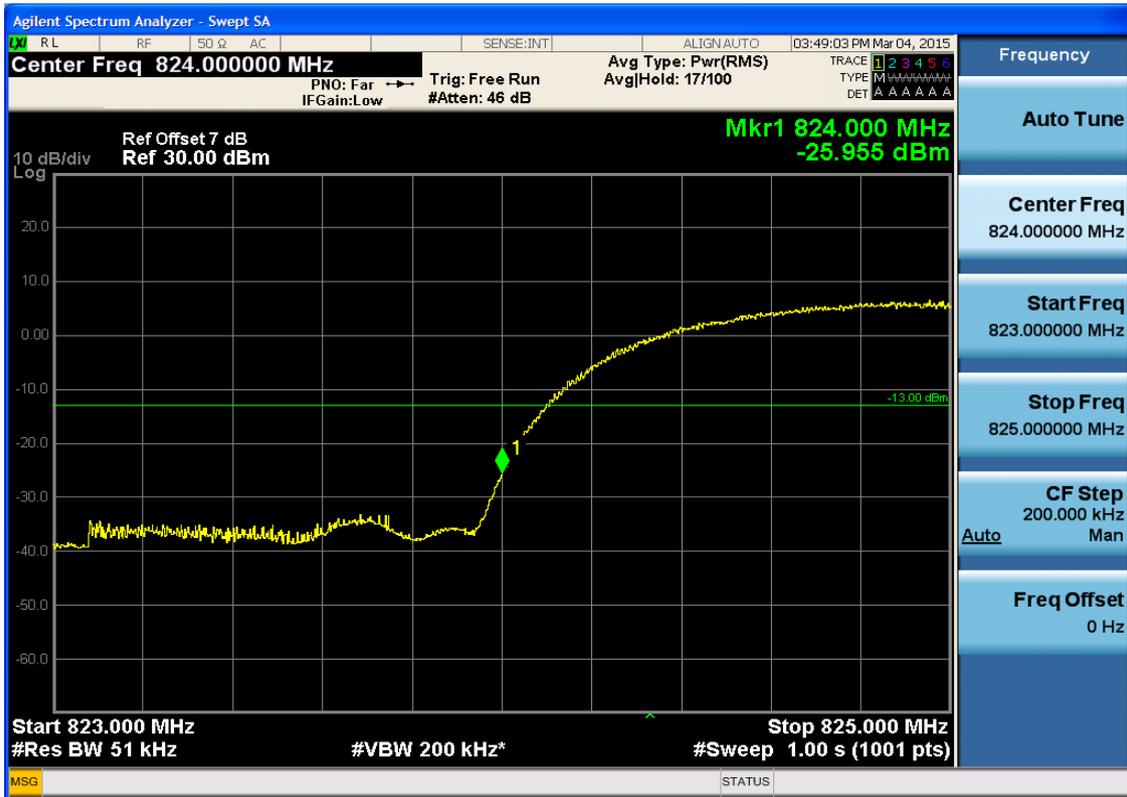


5.2 For UMTS

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





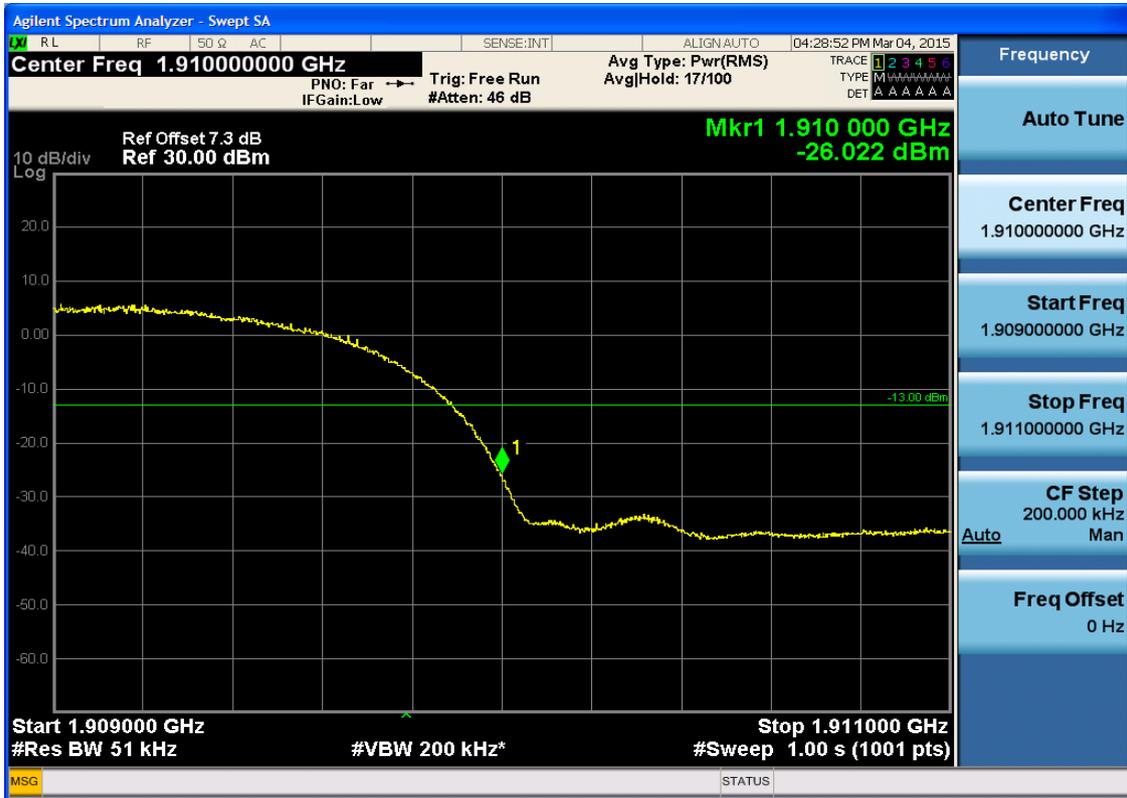
5.2.2 Test Band = WCDMA1900

5.2.2.1 Test Mode = UMTS/TM1

5.2.2.1.1 Test Channel = LCH



5.2.2.1.2 Test Channel = HCH





5.2.3 Test Band = WCDMA1700

5.2.3.1 Test Mode = UMTS/TM1

5.2.3.1.1 Test Channel = LCH



5.2.3.1.2 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.

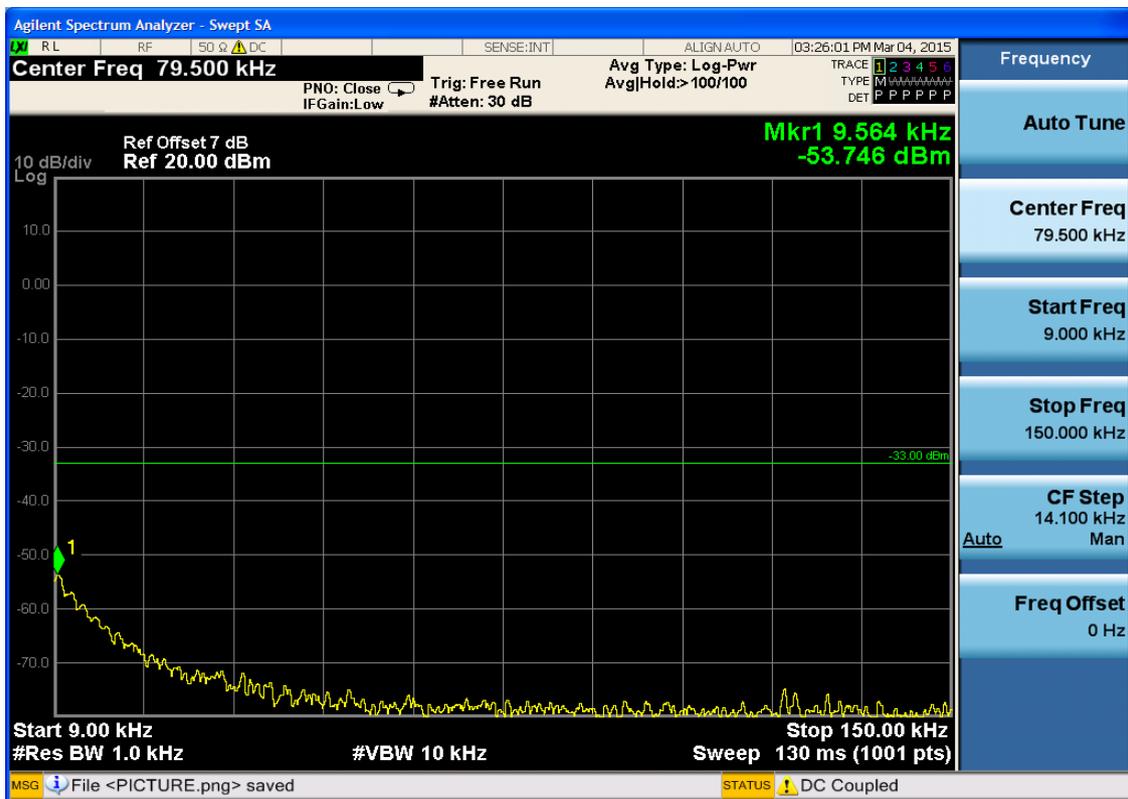
Part I - Test Plots

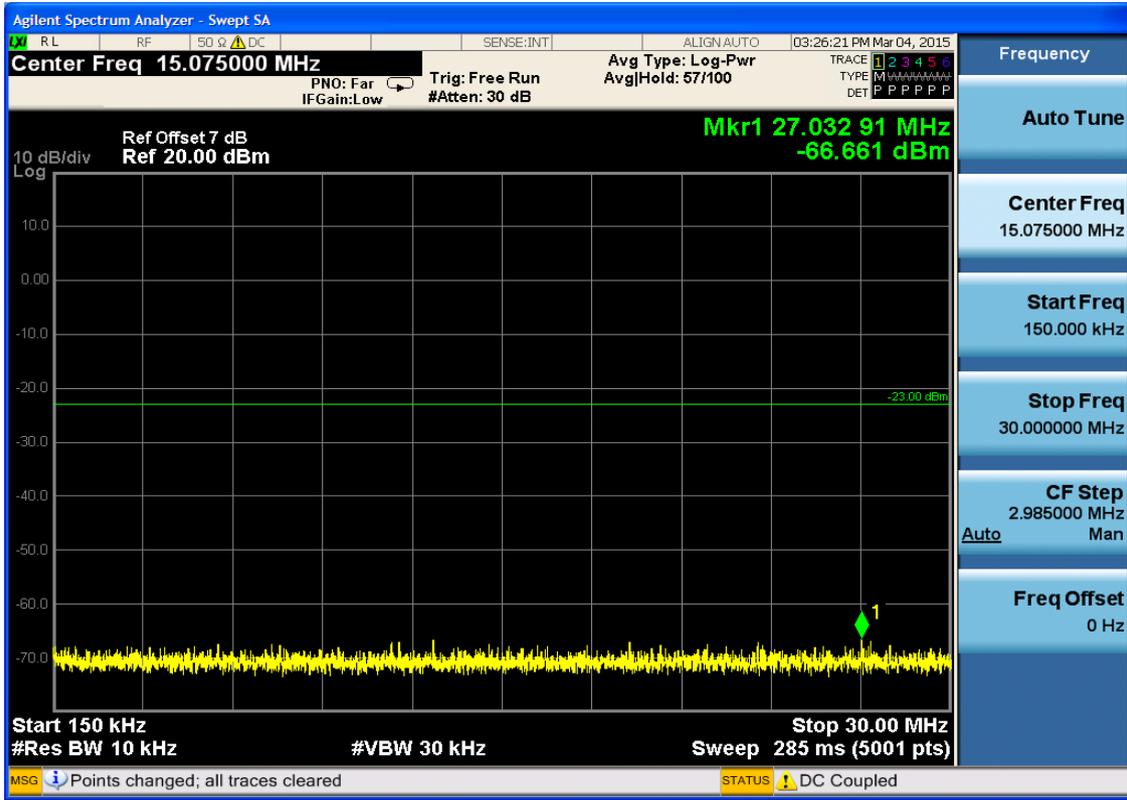
6.1 For GSM

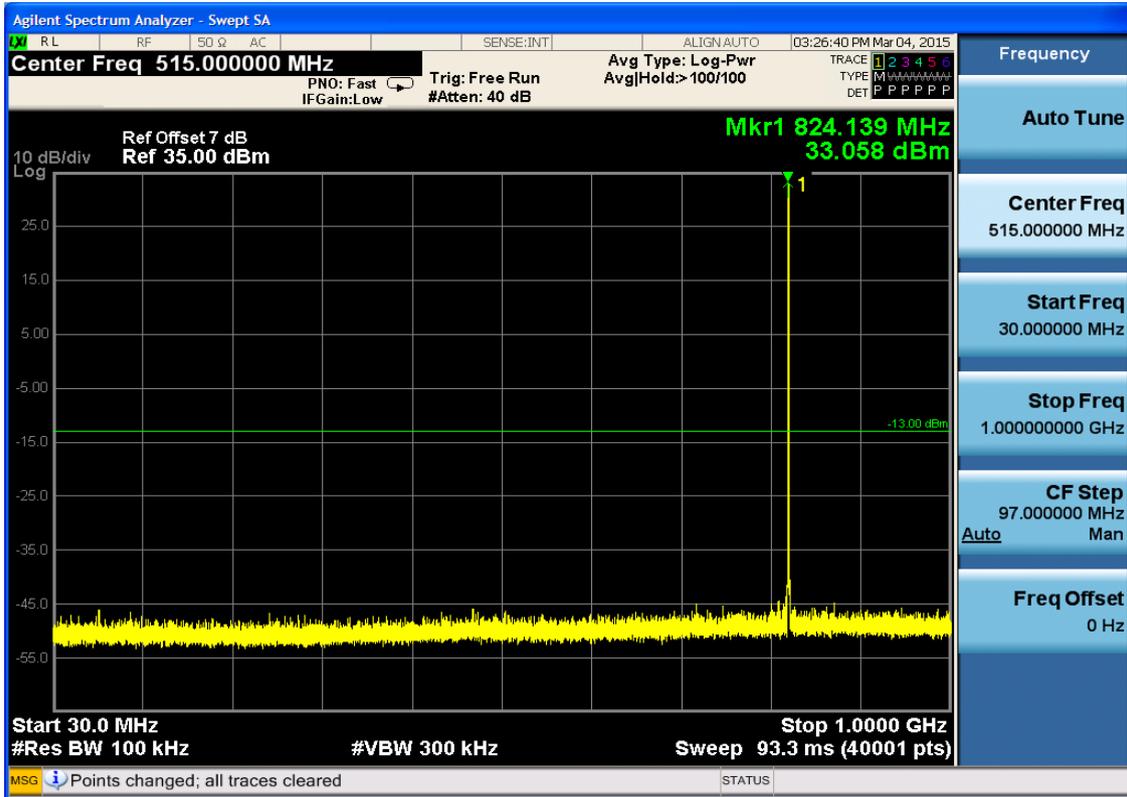
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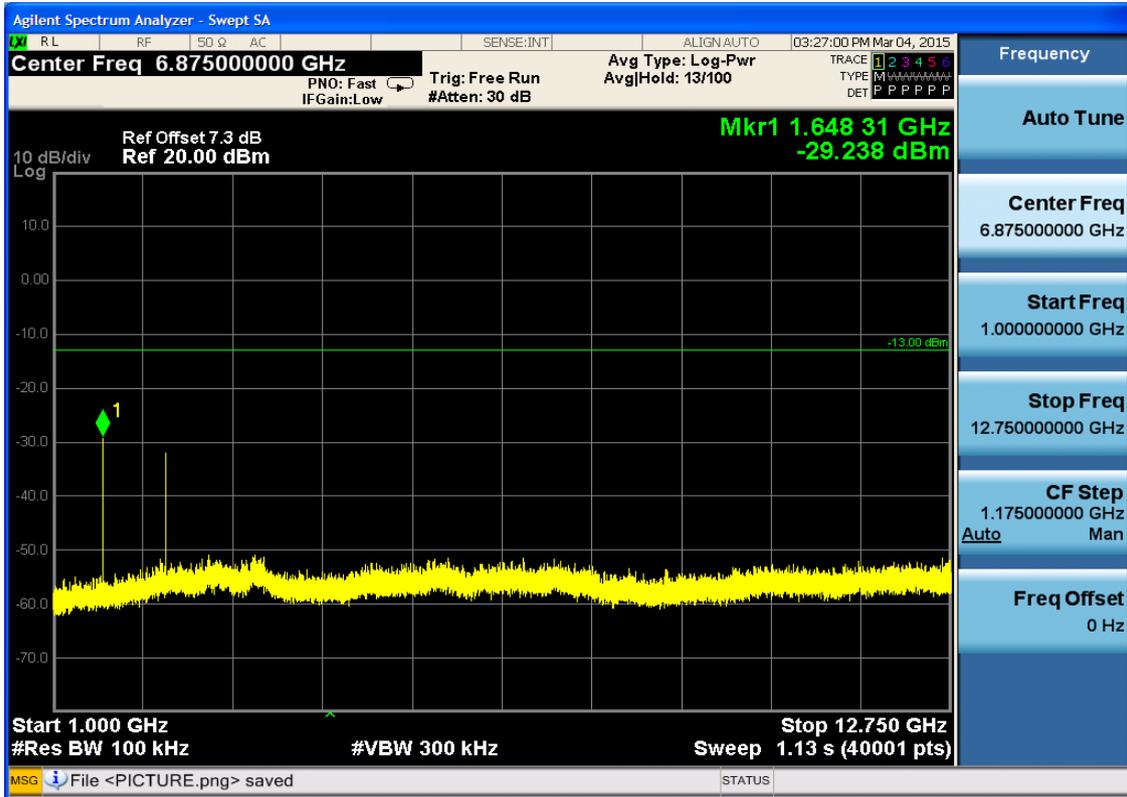
6.1.1.1 Test Mode = GSM/TM1

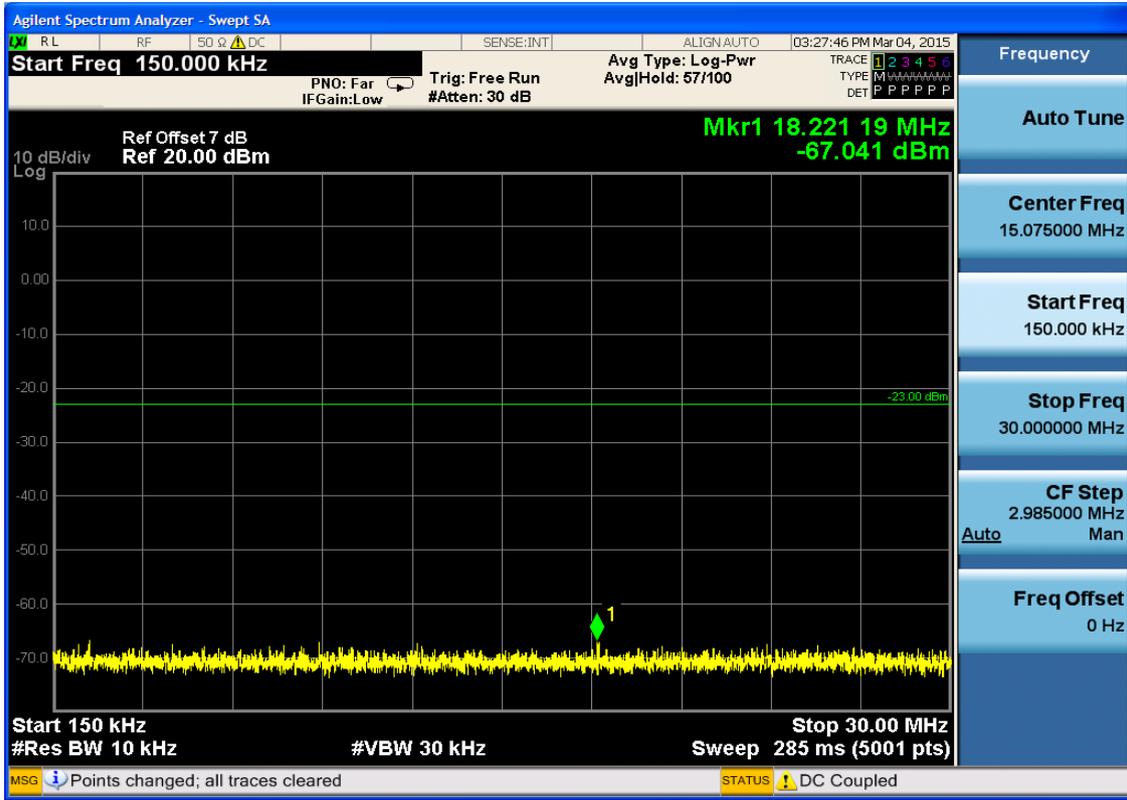
6.1.1.1.1 Test Channel = LCH

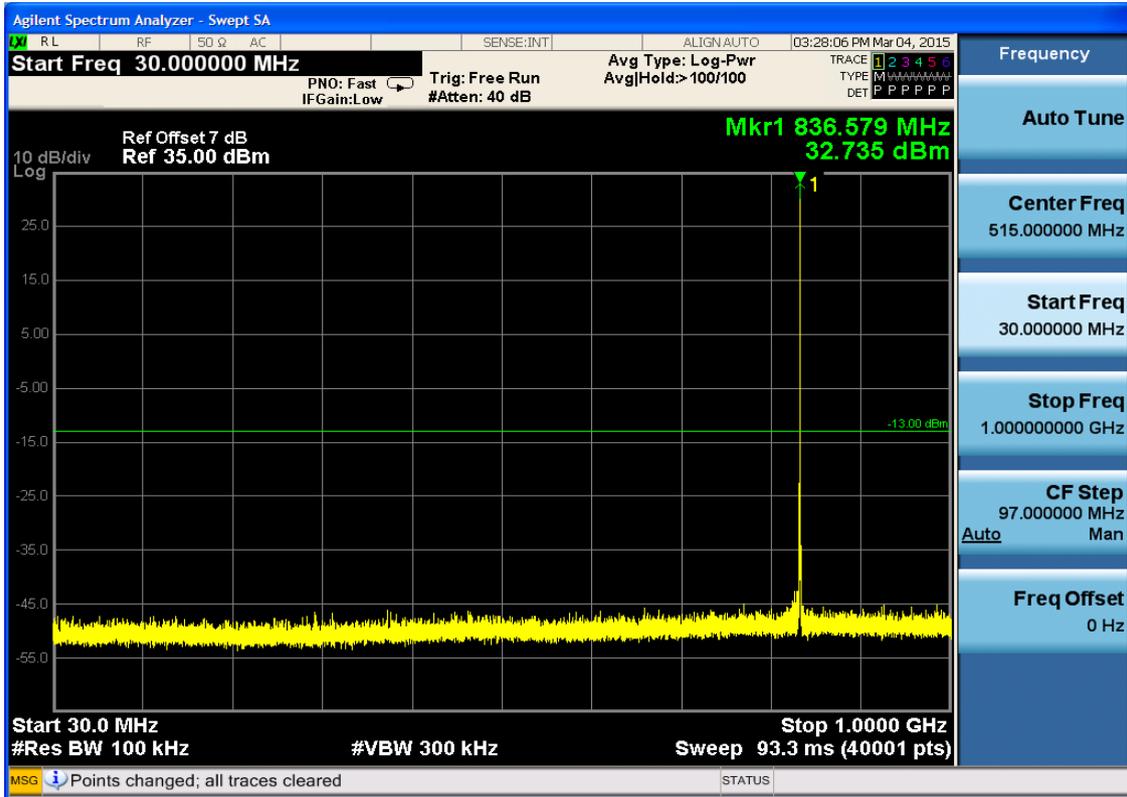


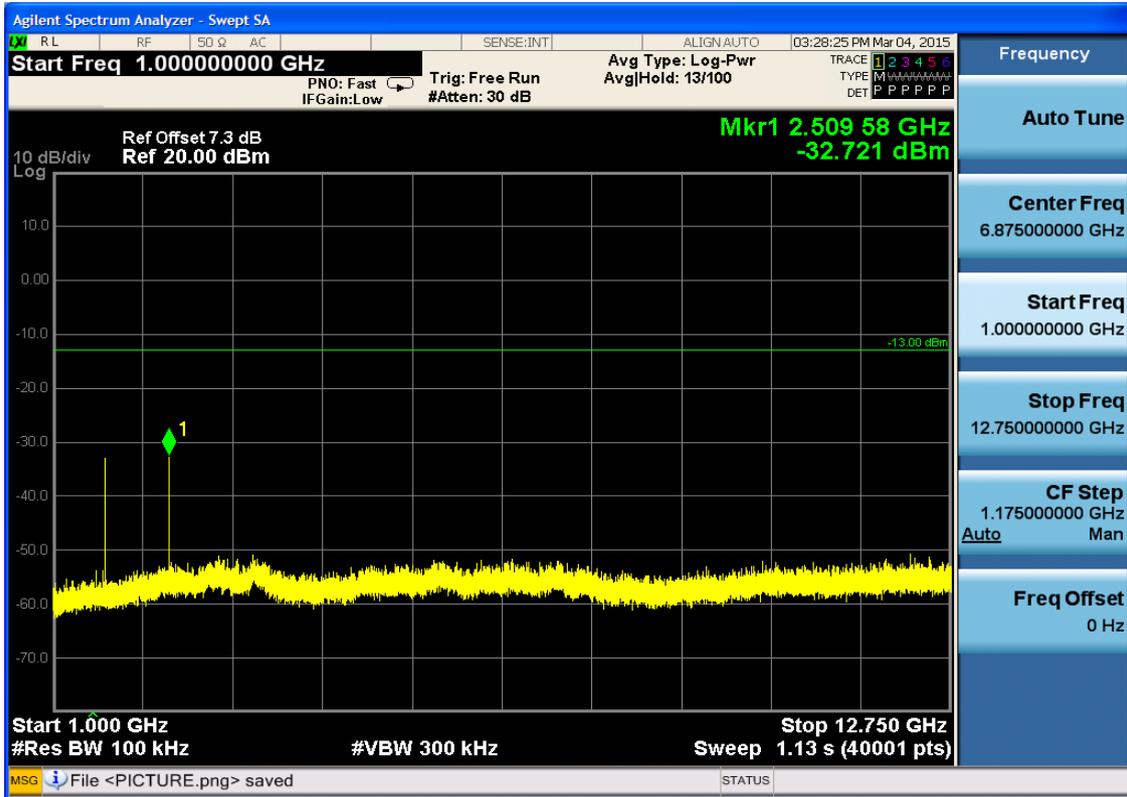




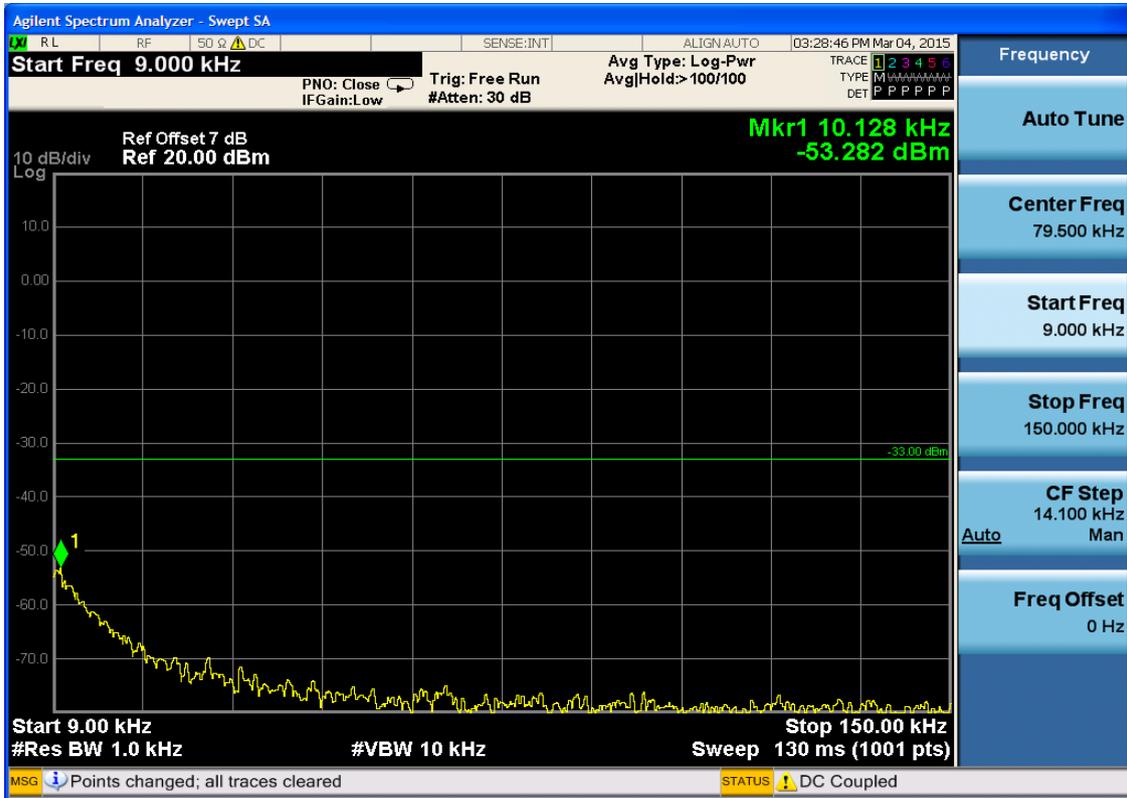


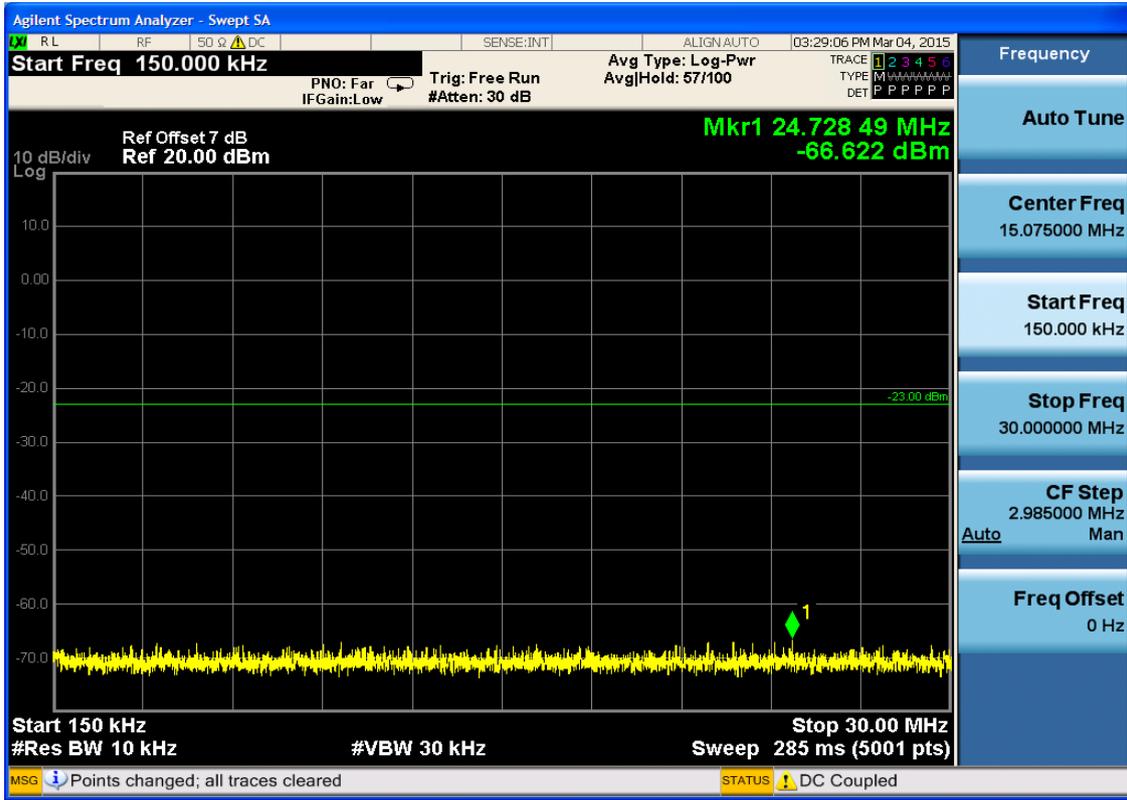


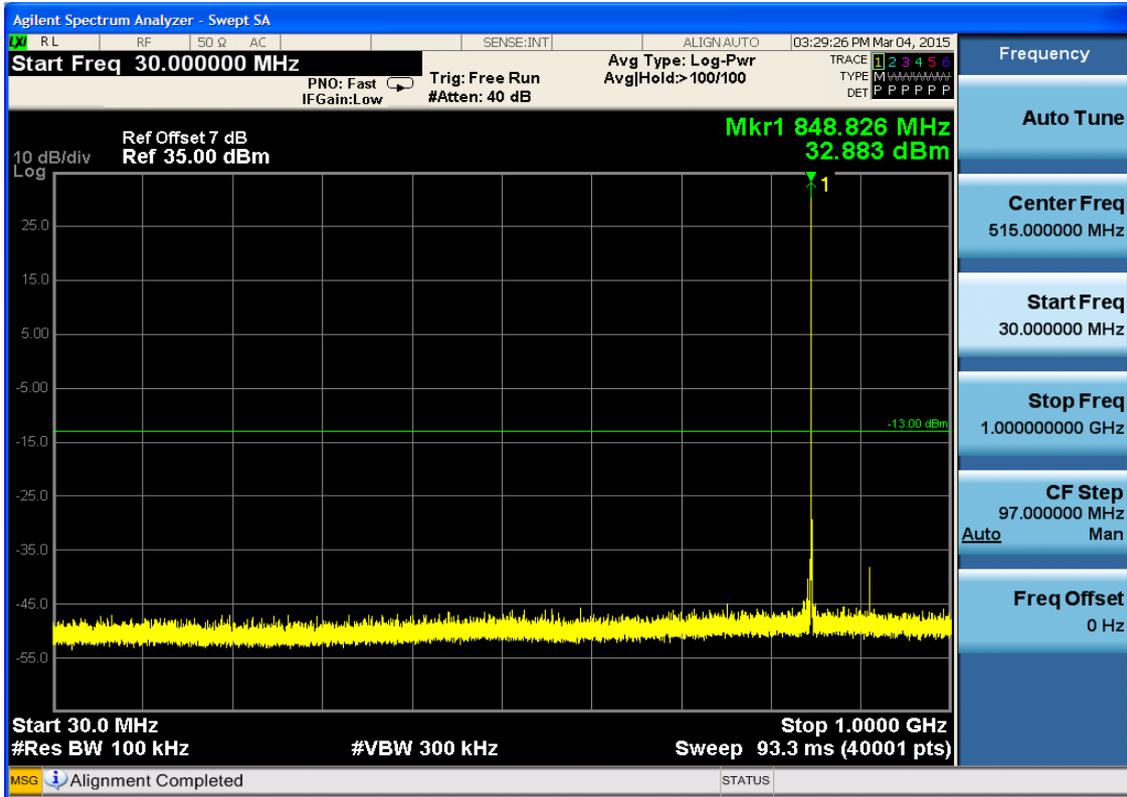


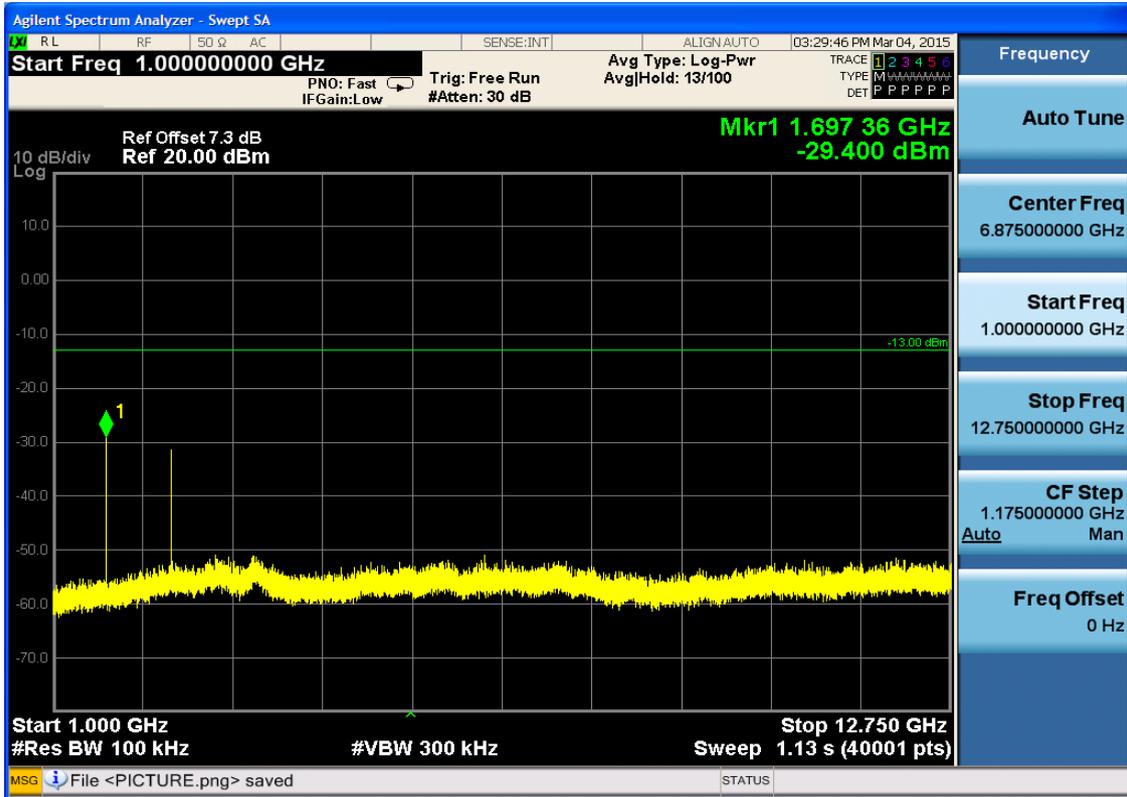


6.1.1.1.3 Test Channel = HCH



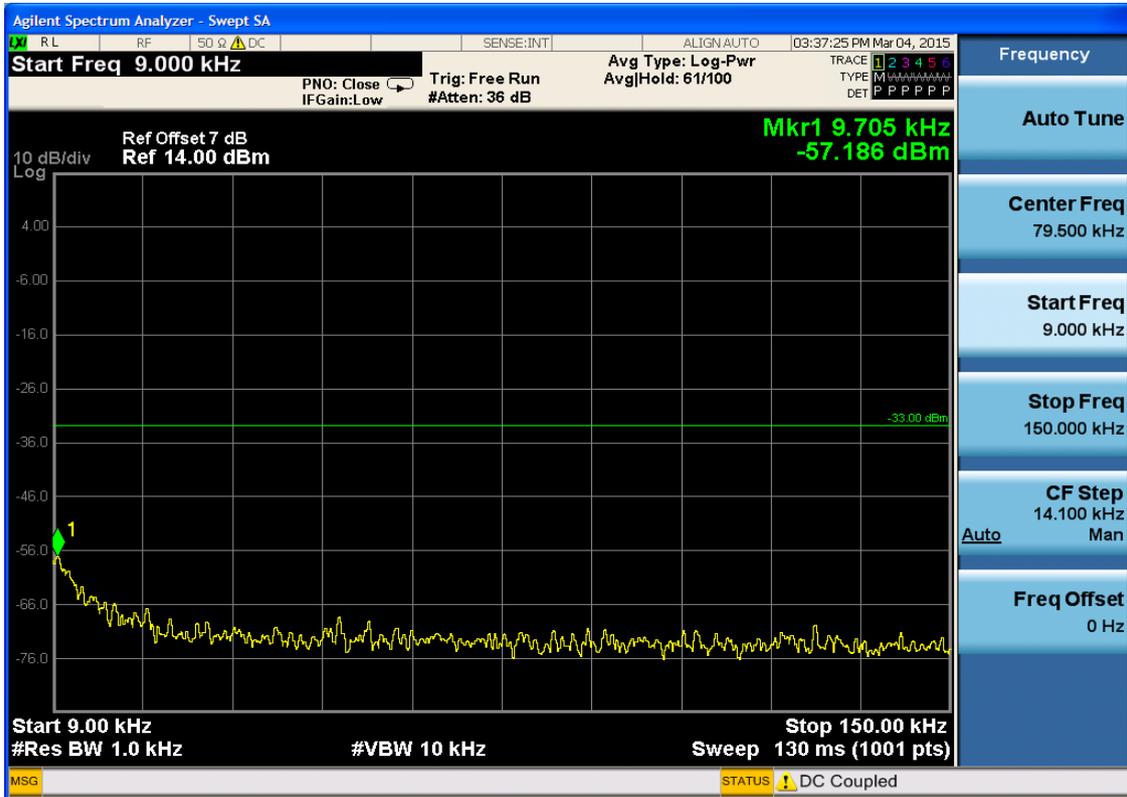


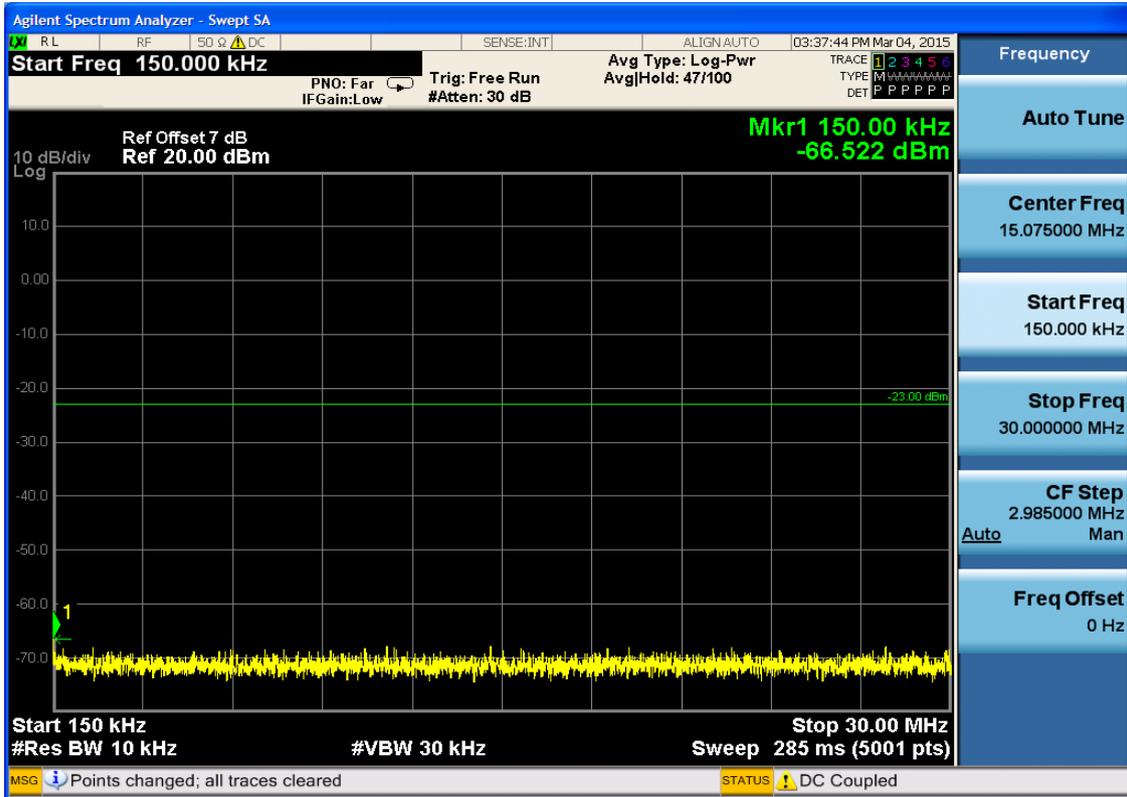


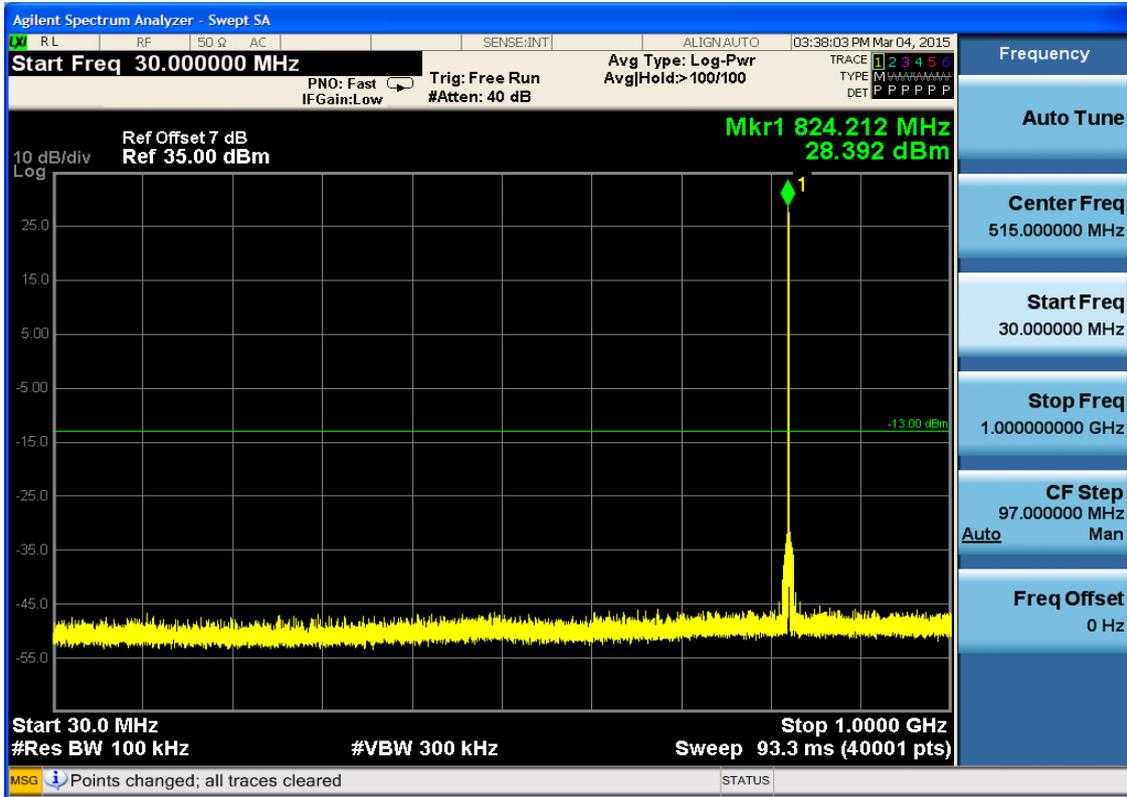


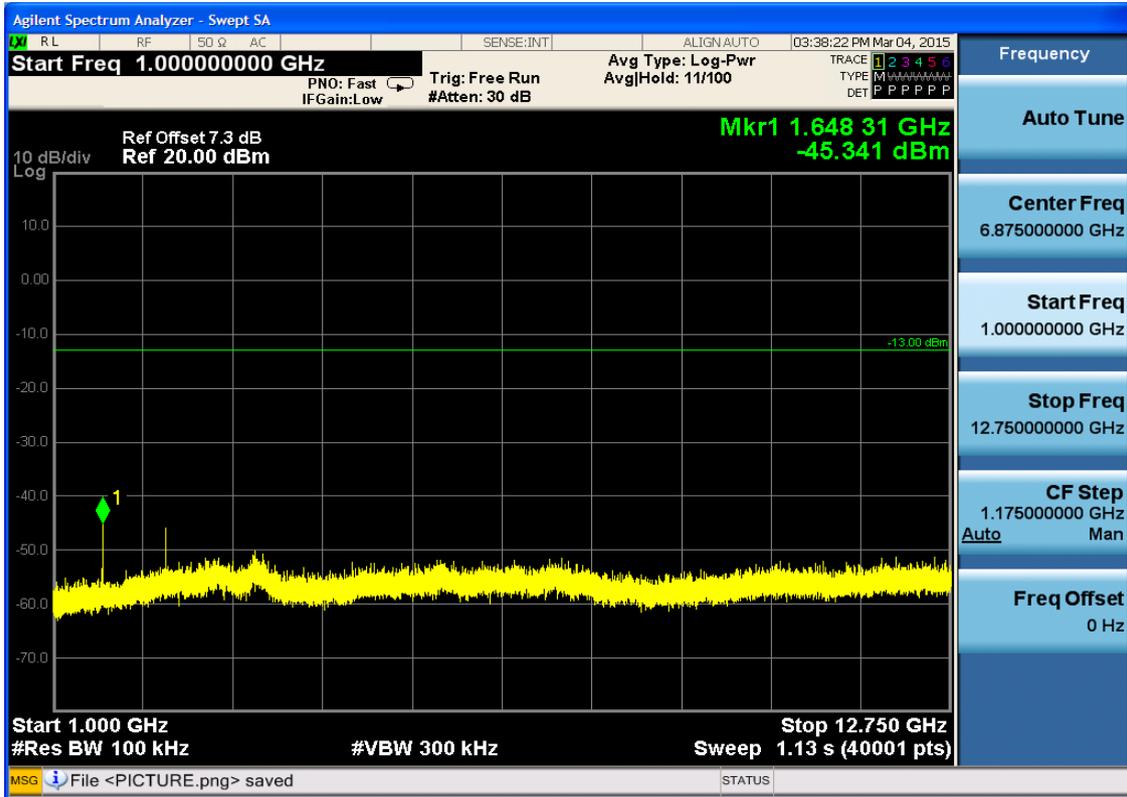
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH

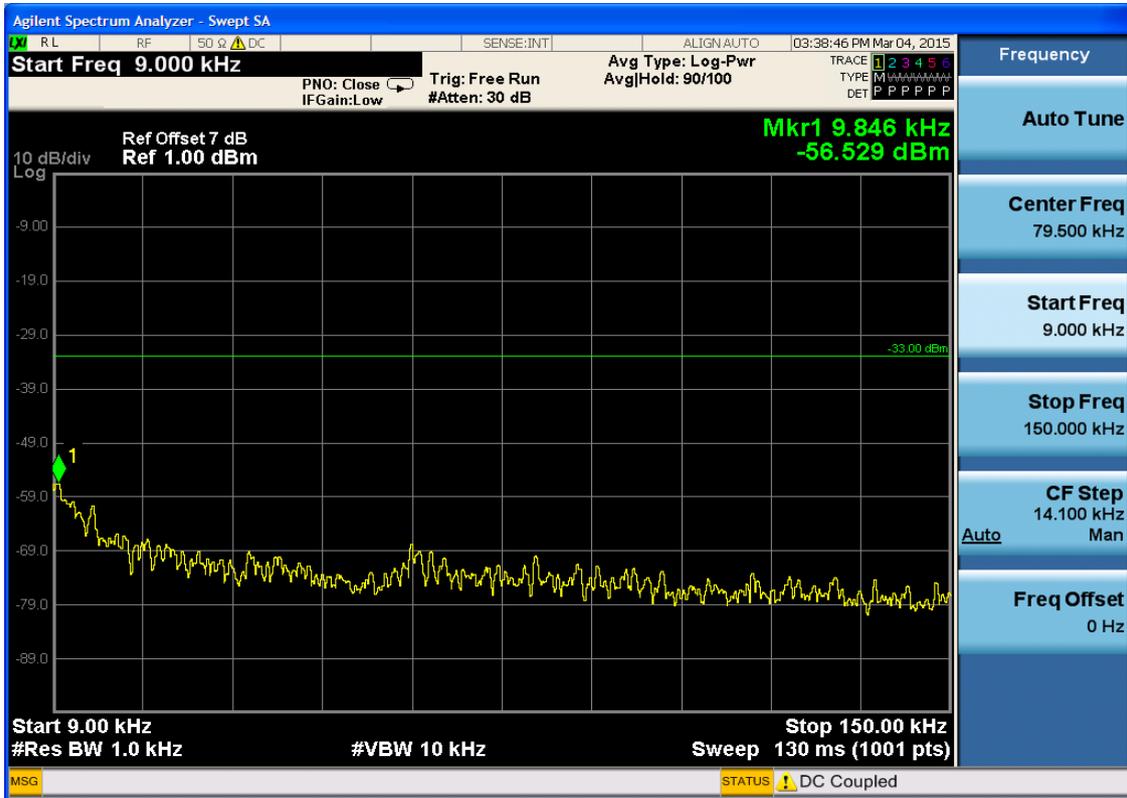


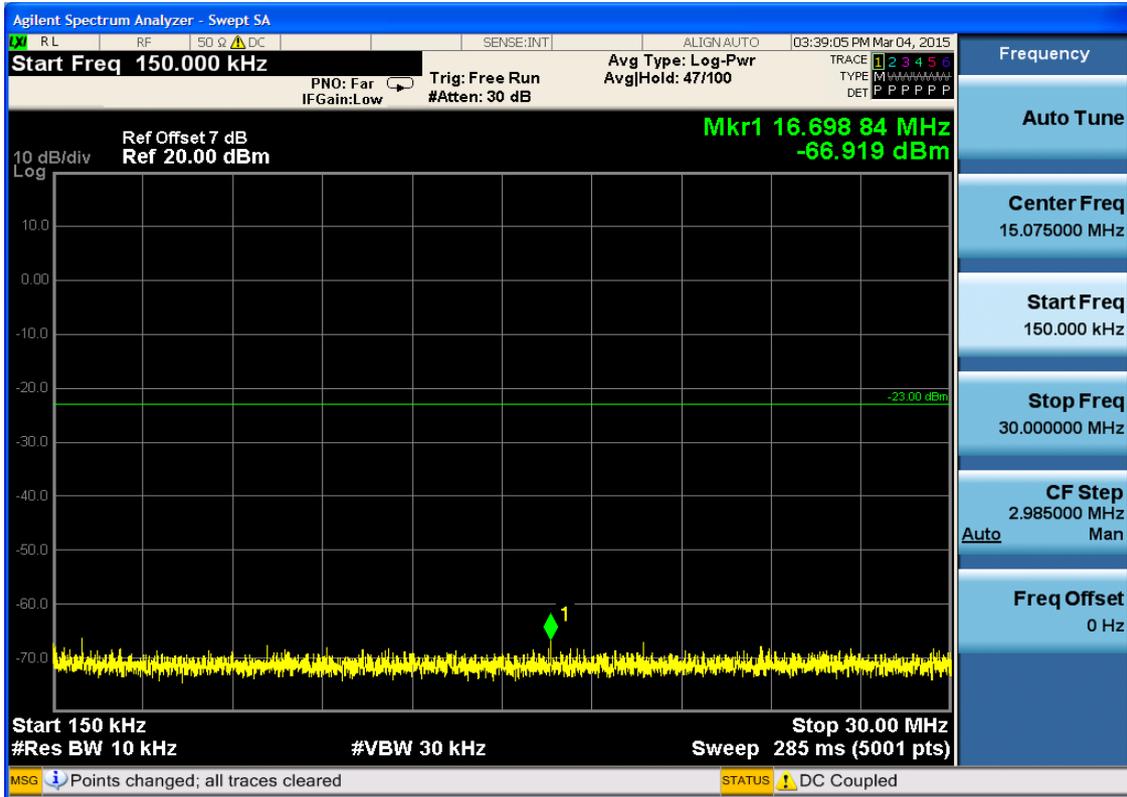


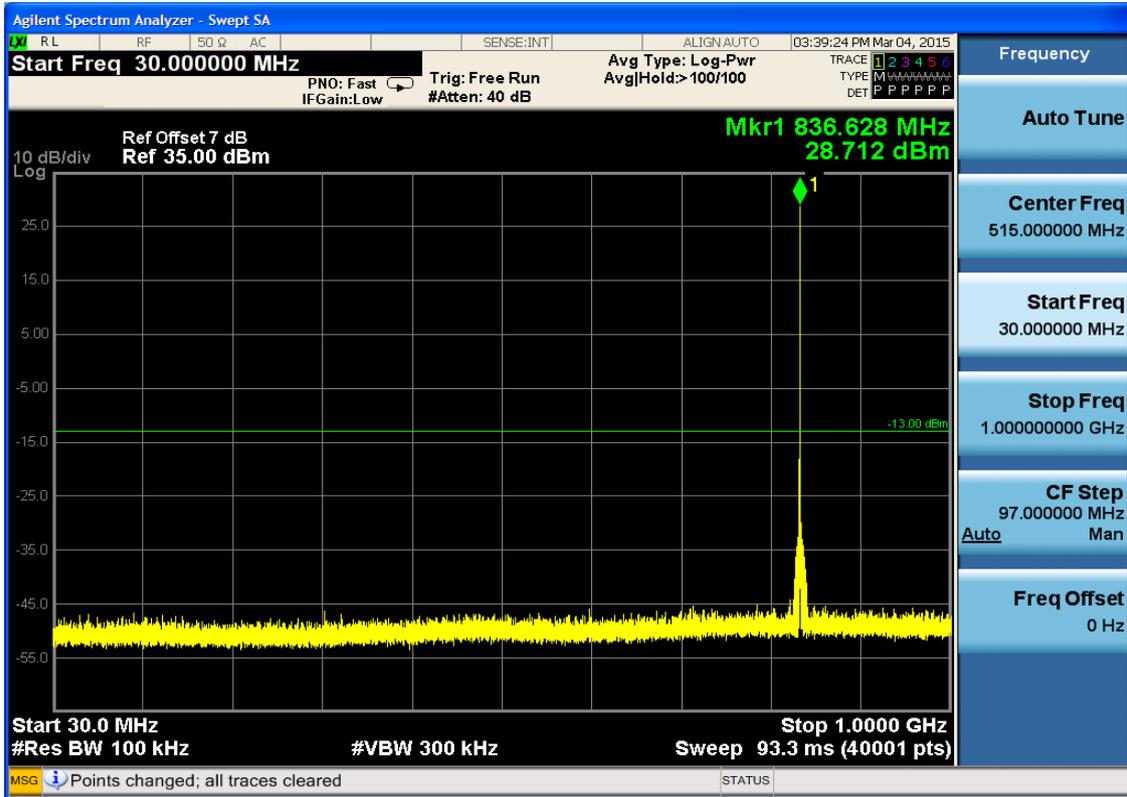


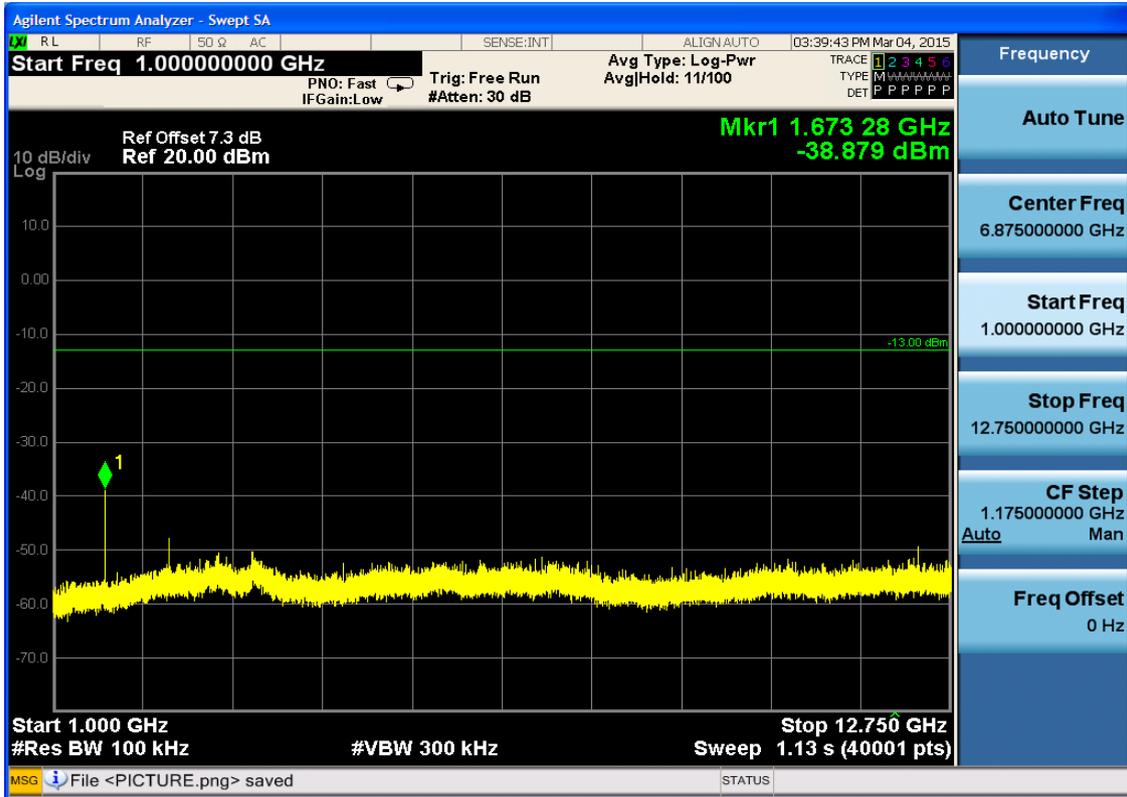


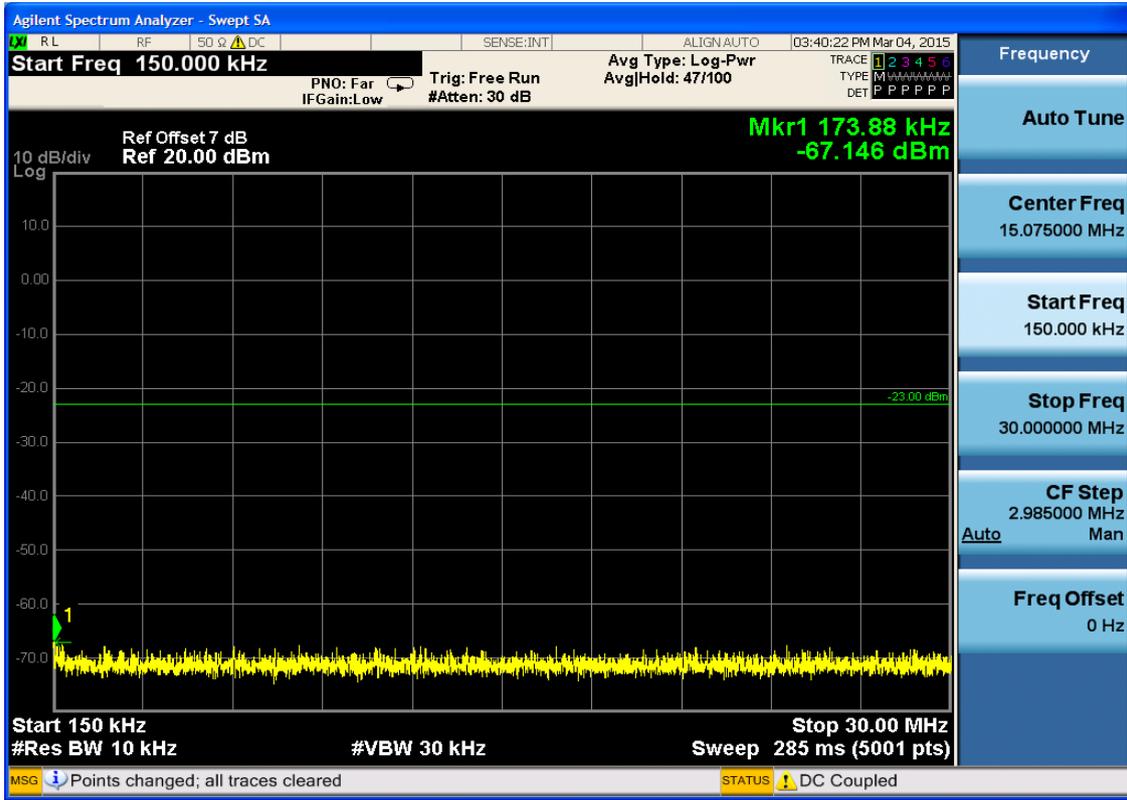
6.1.1.2.2 Test Channel = MCH

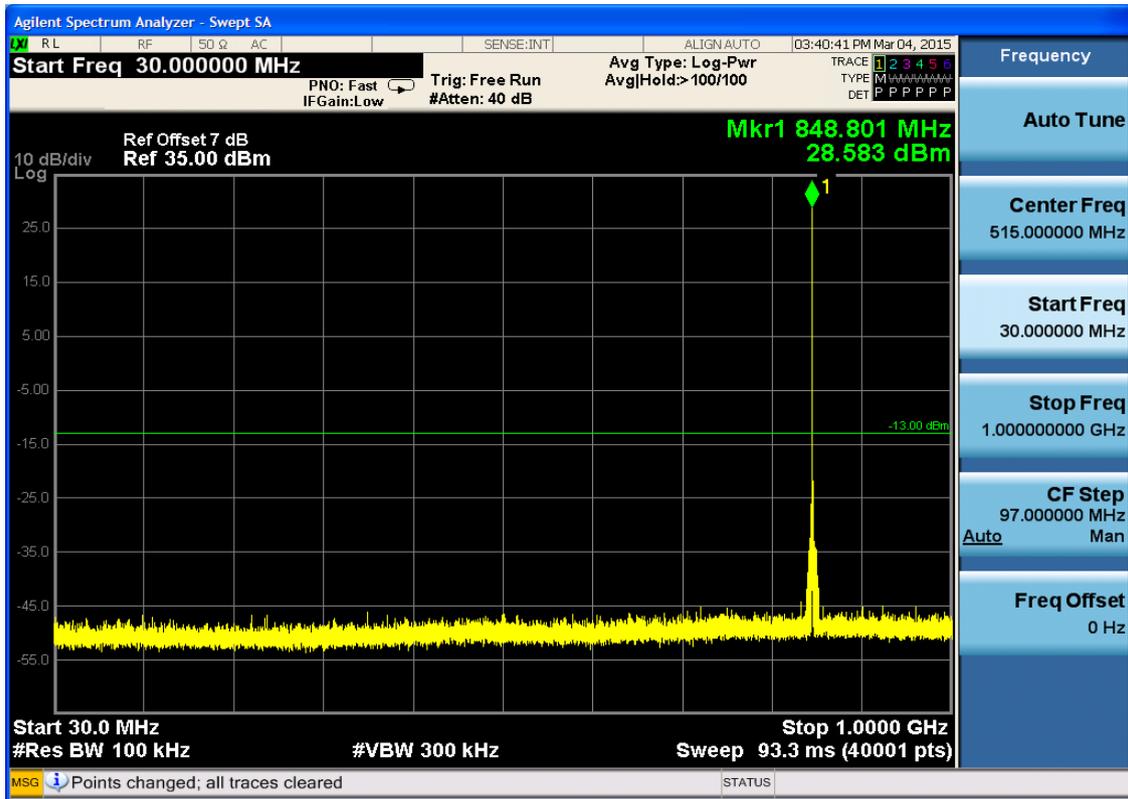


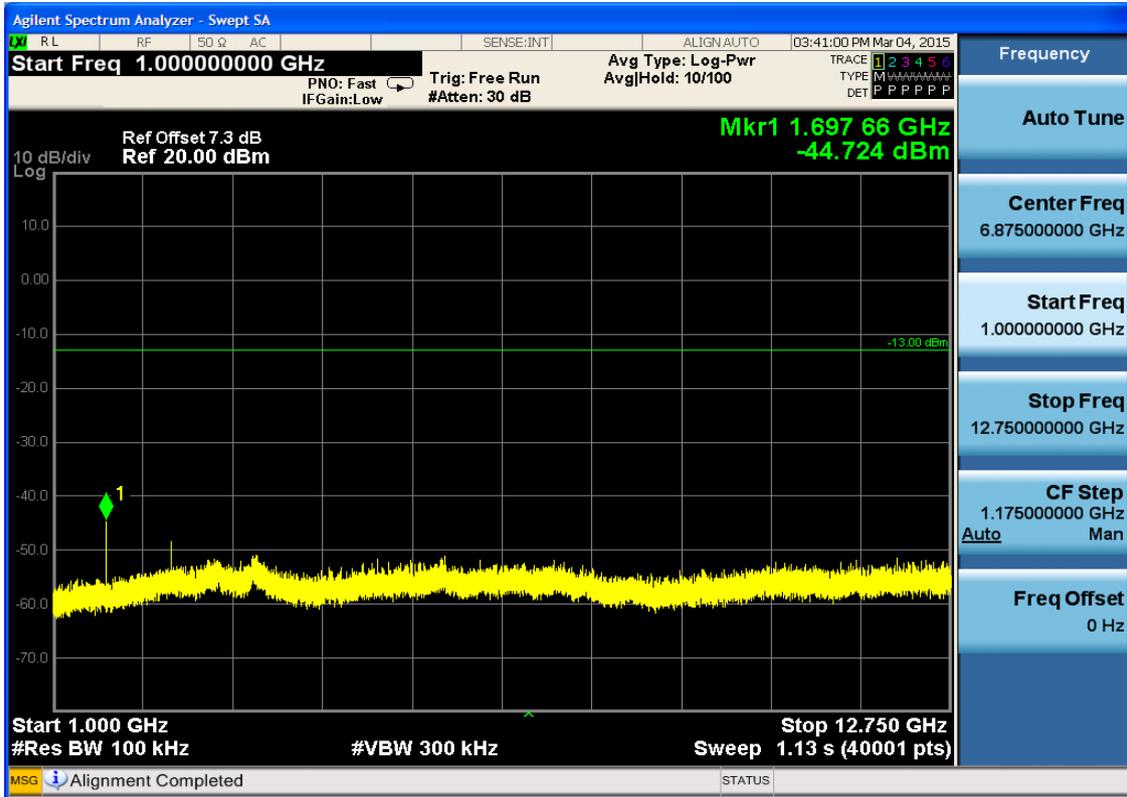










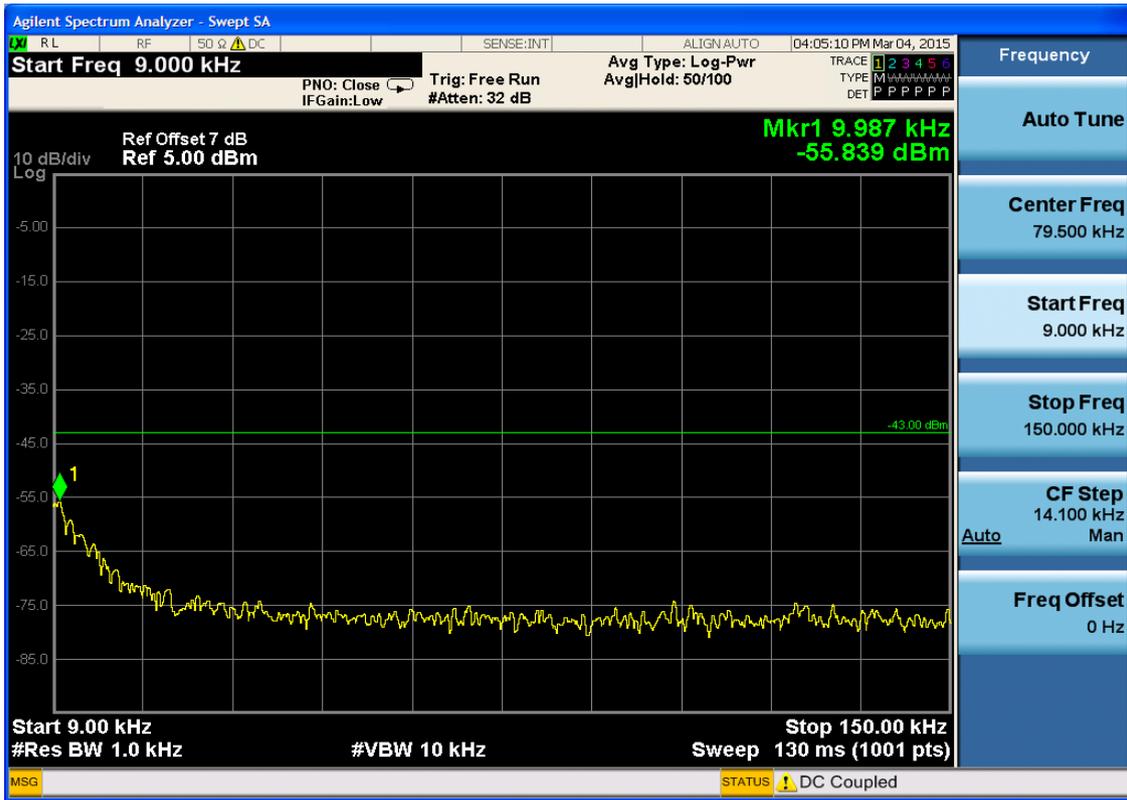


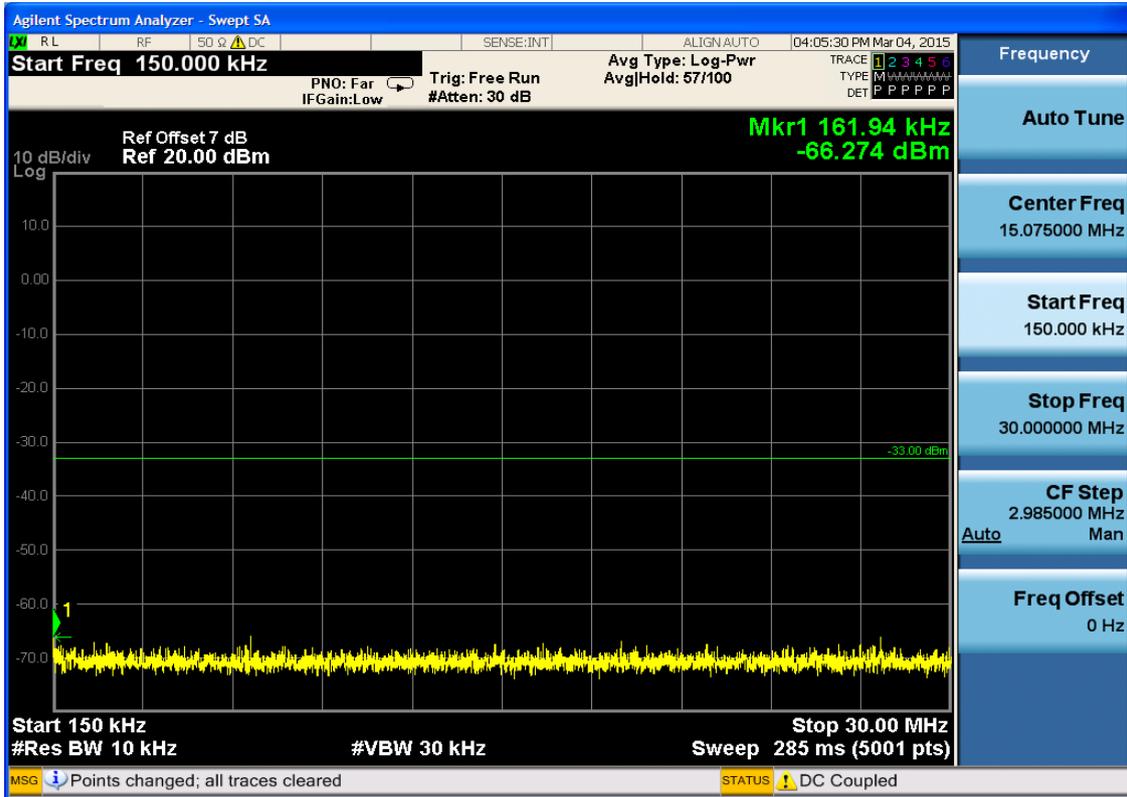


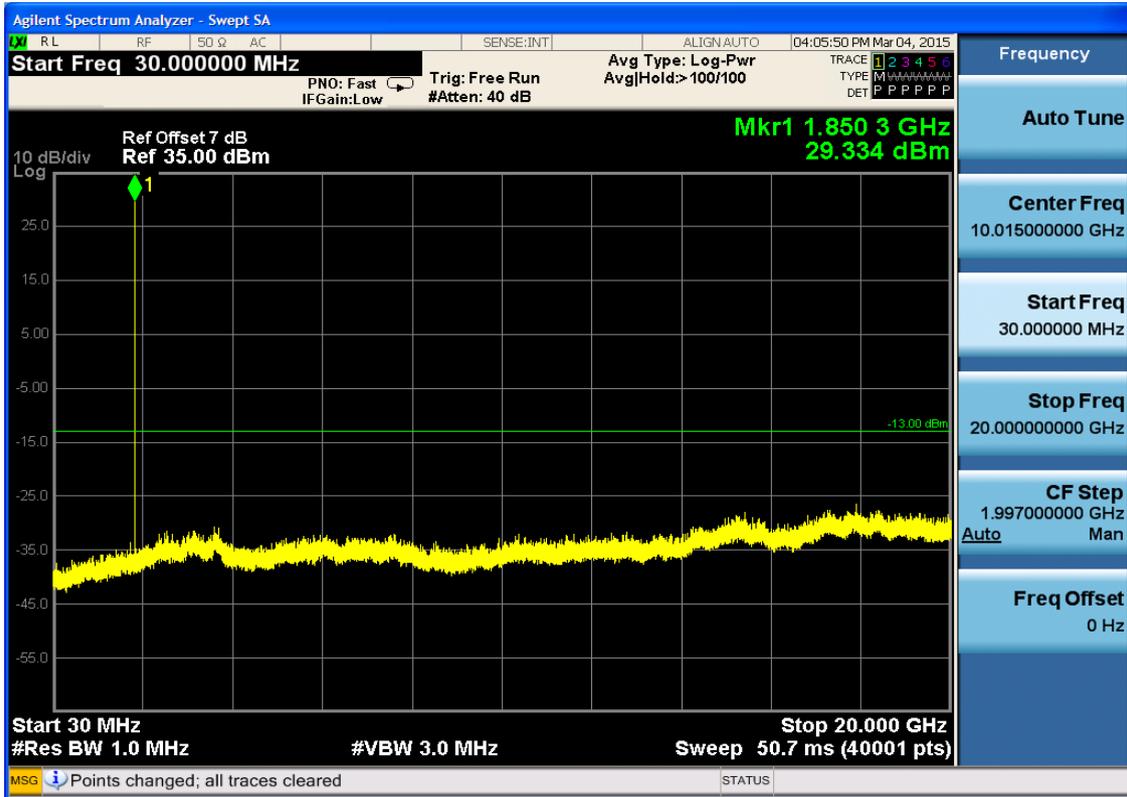
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

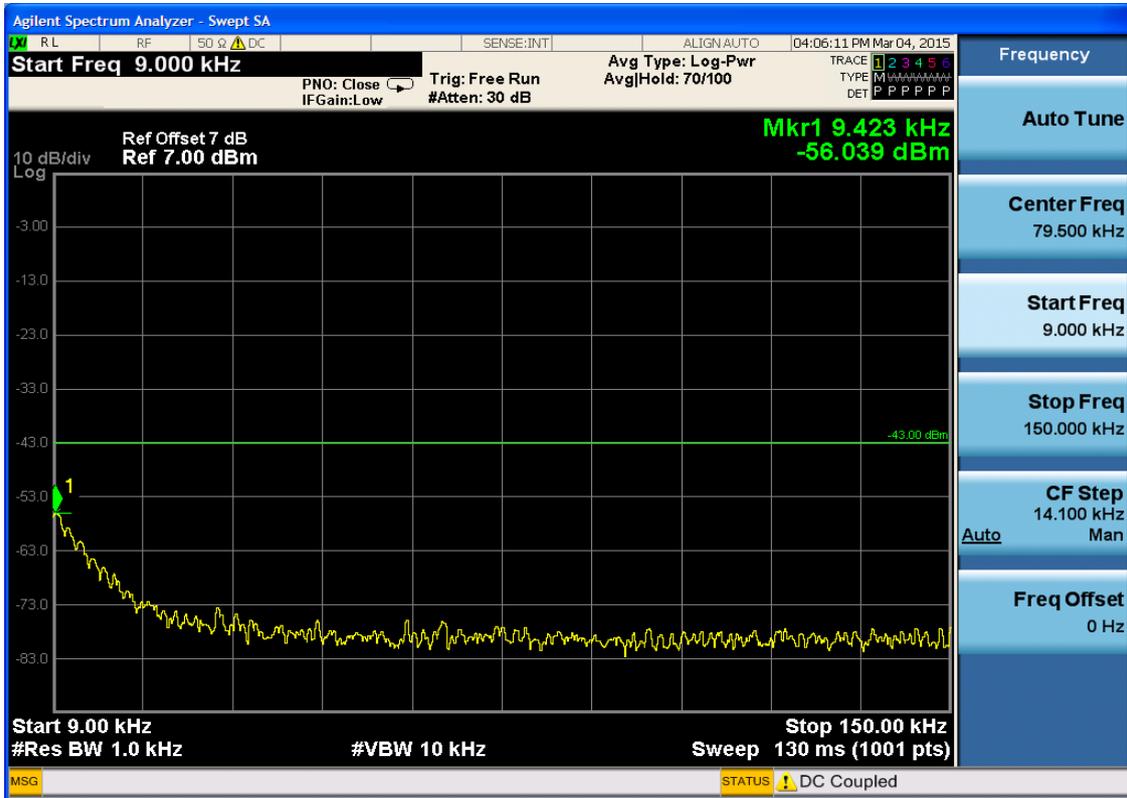
6.1.2.1.1 Test Channel = LCH

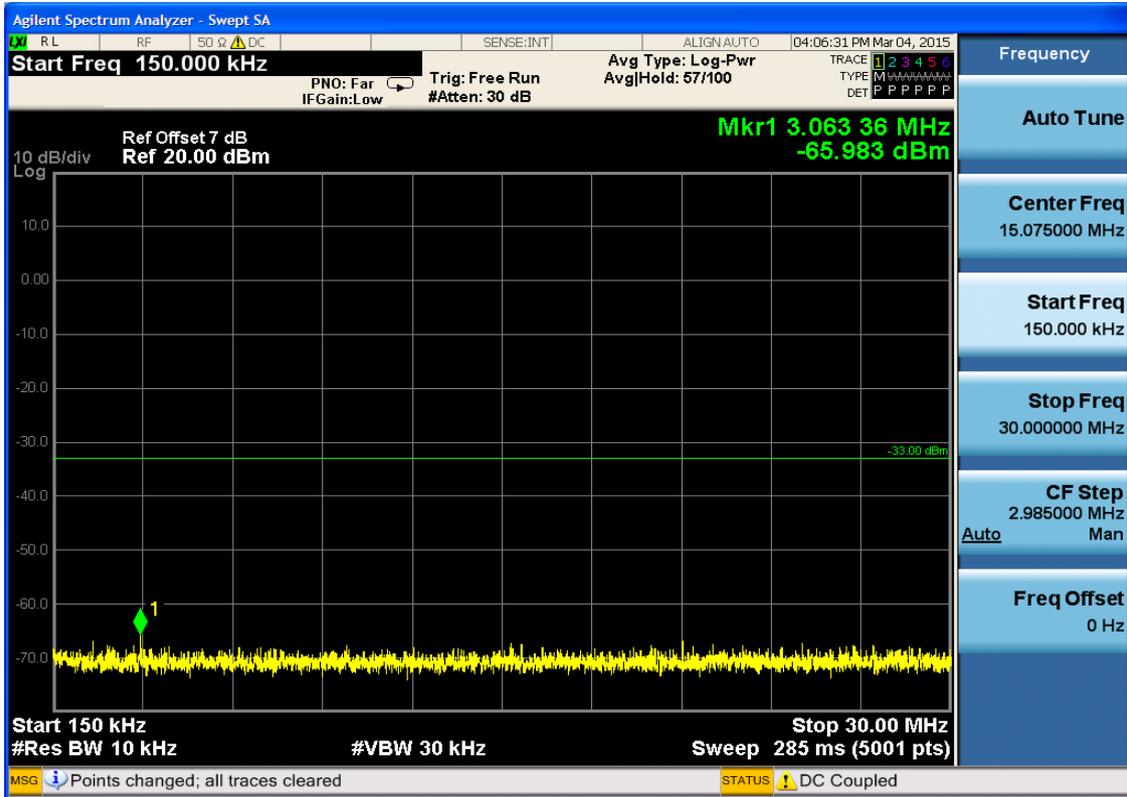


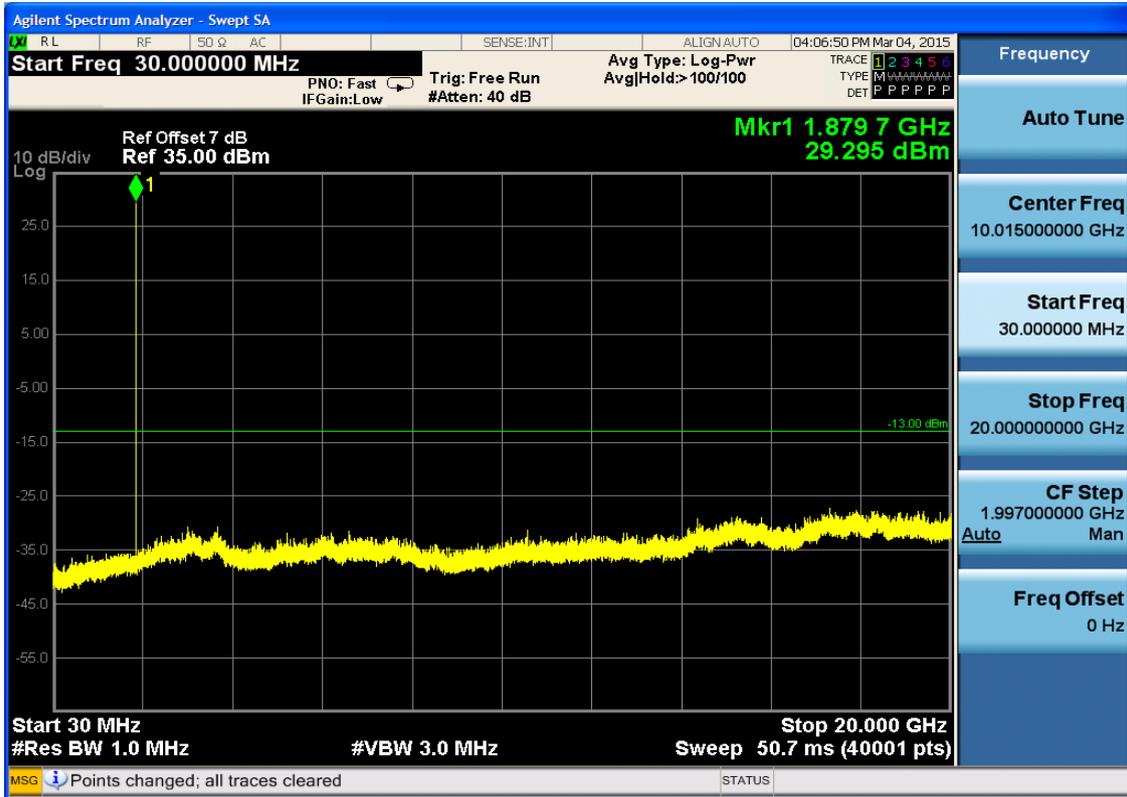




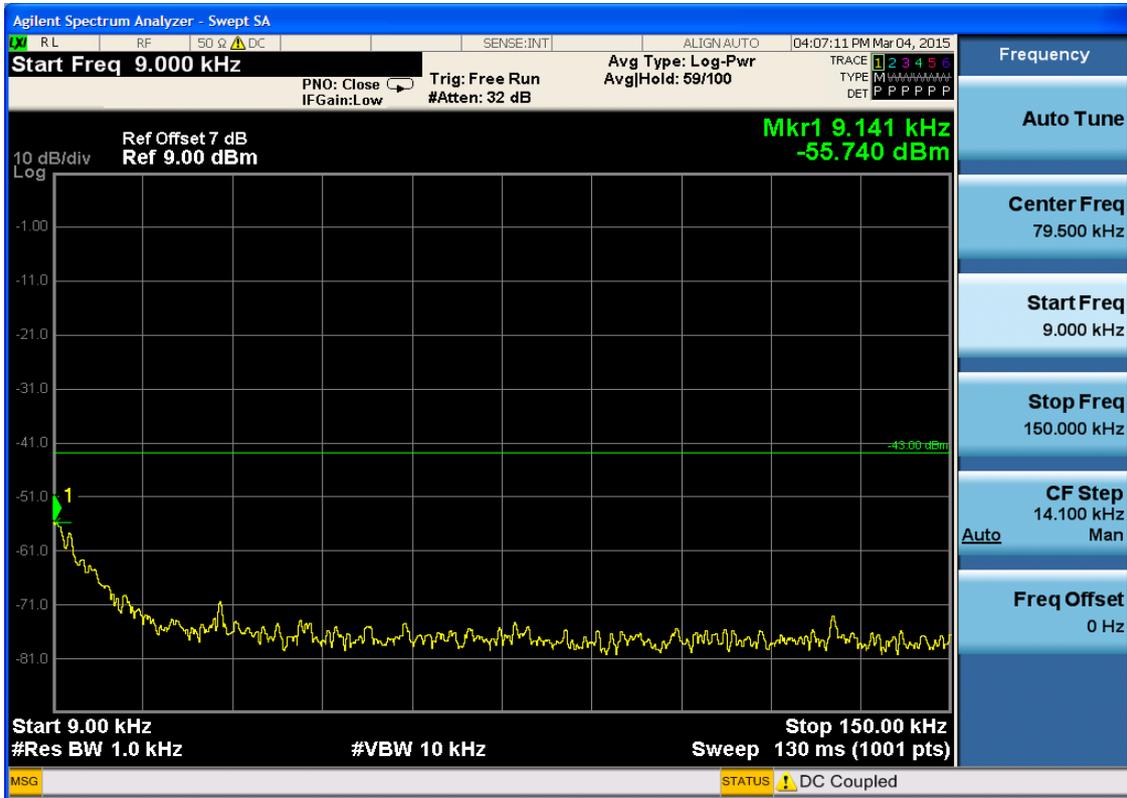
6.1.2.1.2 Test Channel = MCH

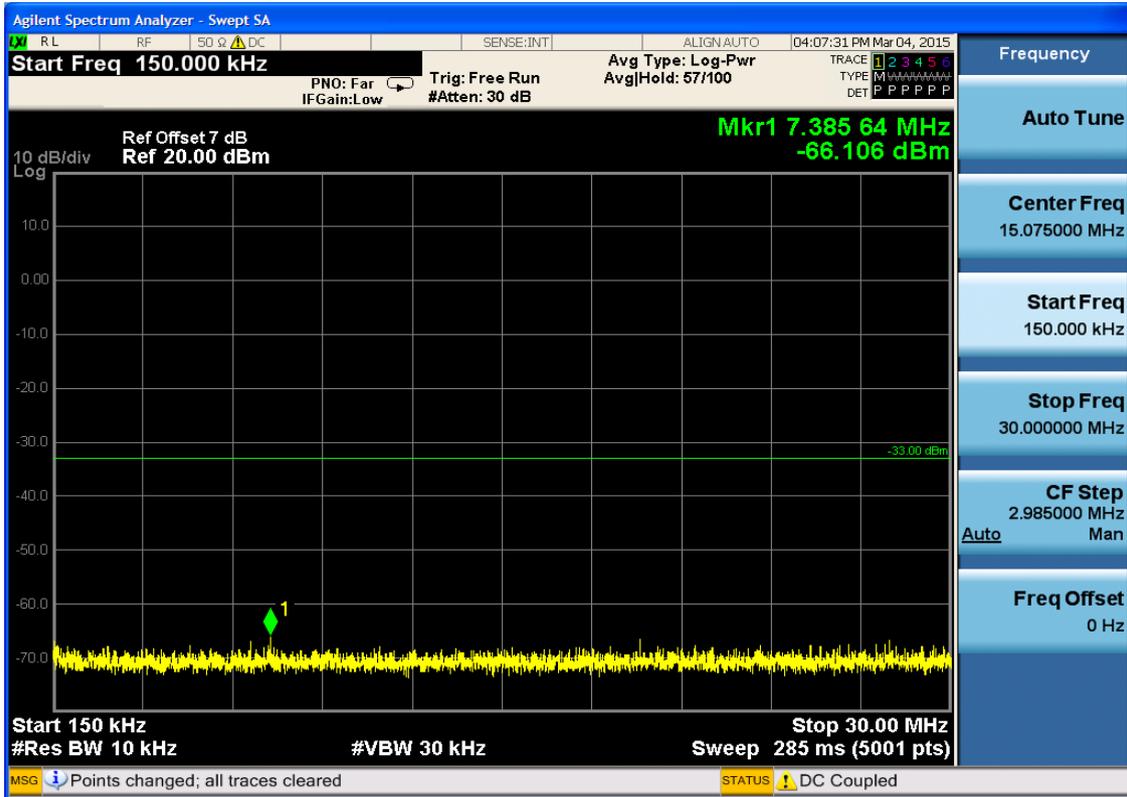


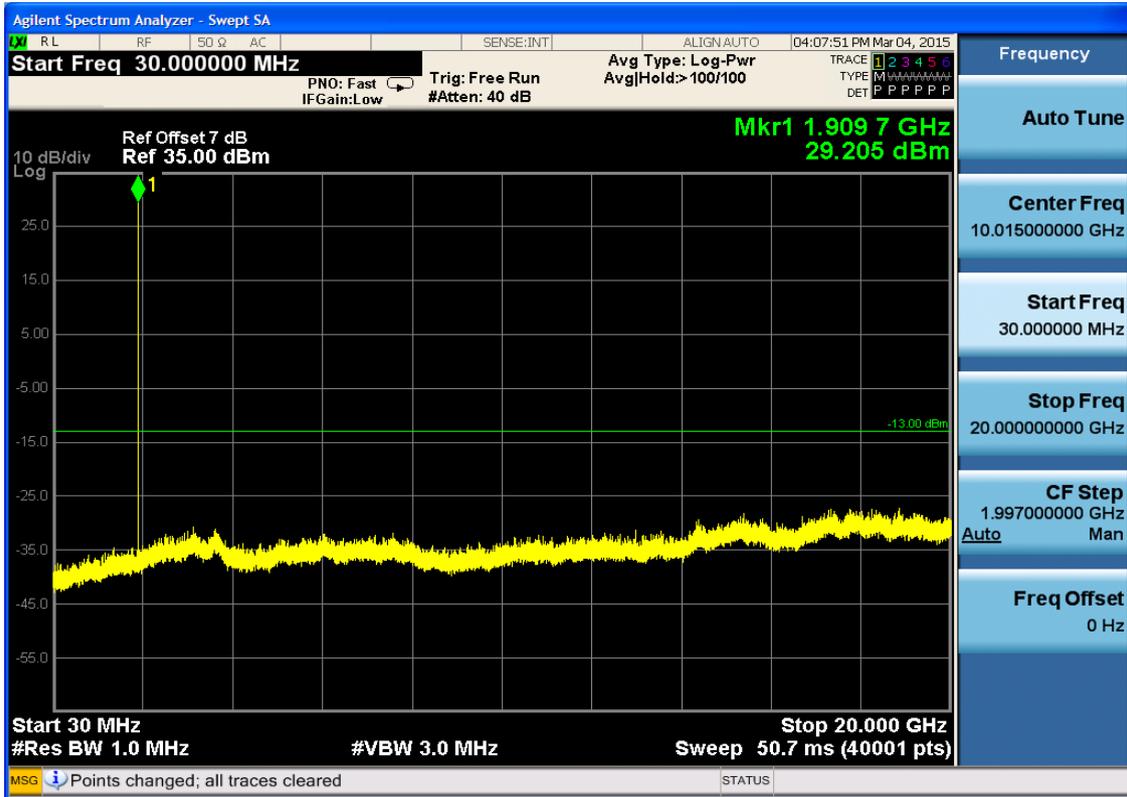




6.1.2.1.3 Test Channel = HCH

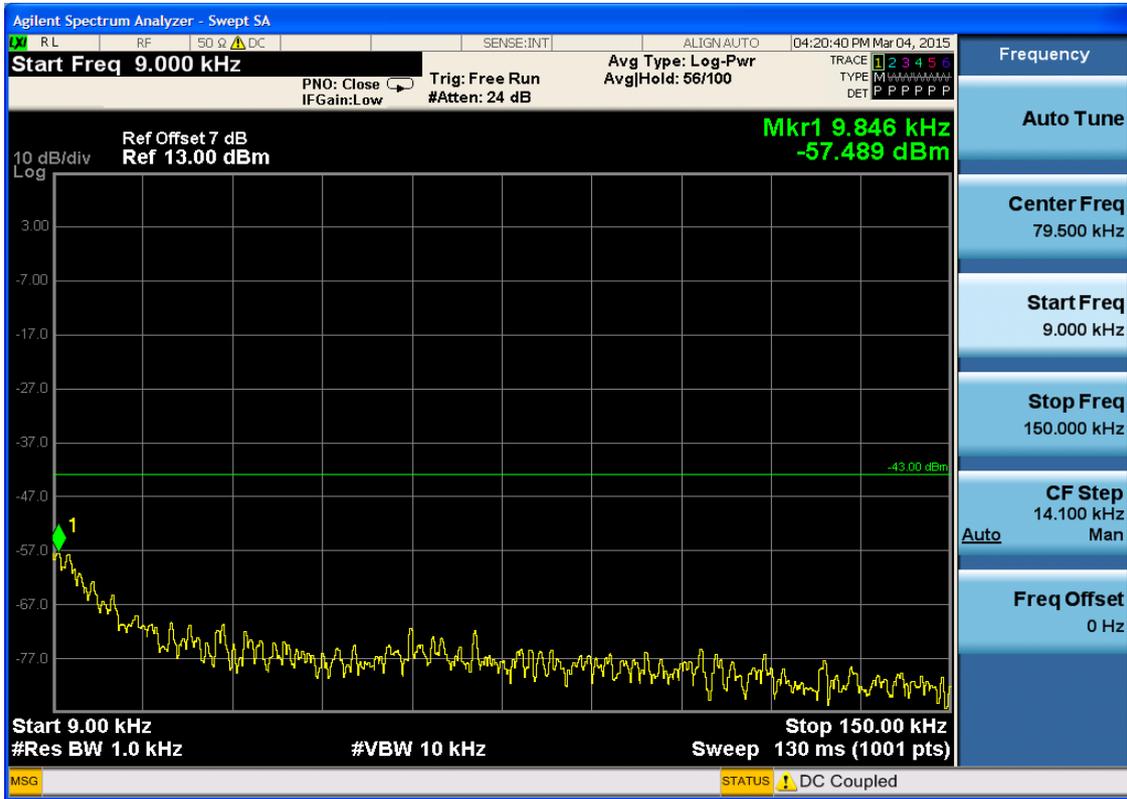


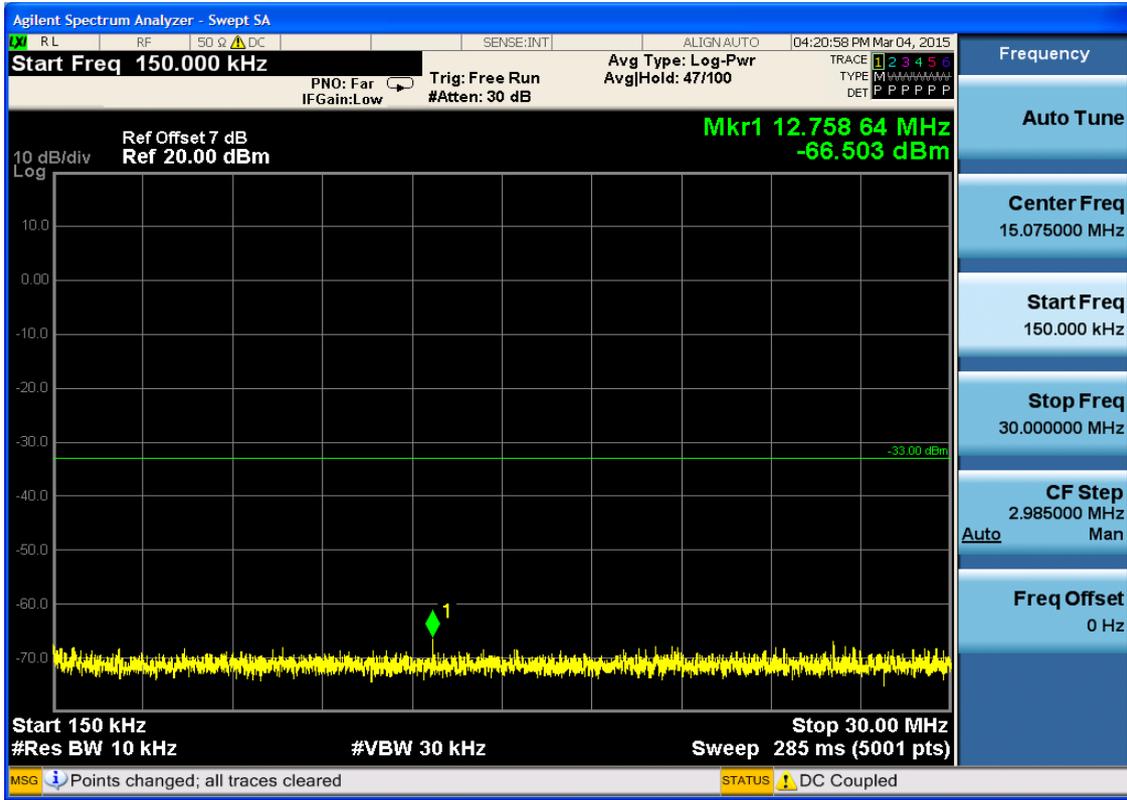


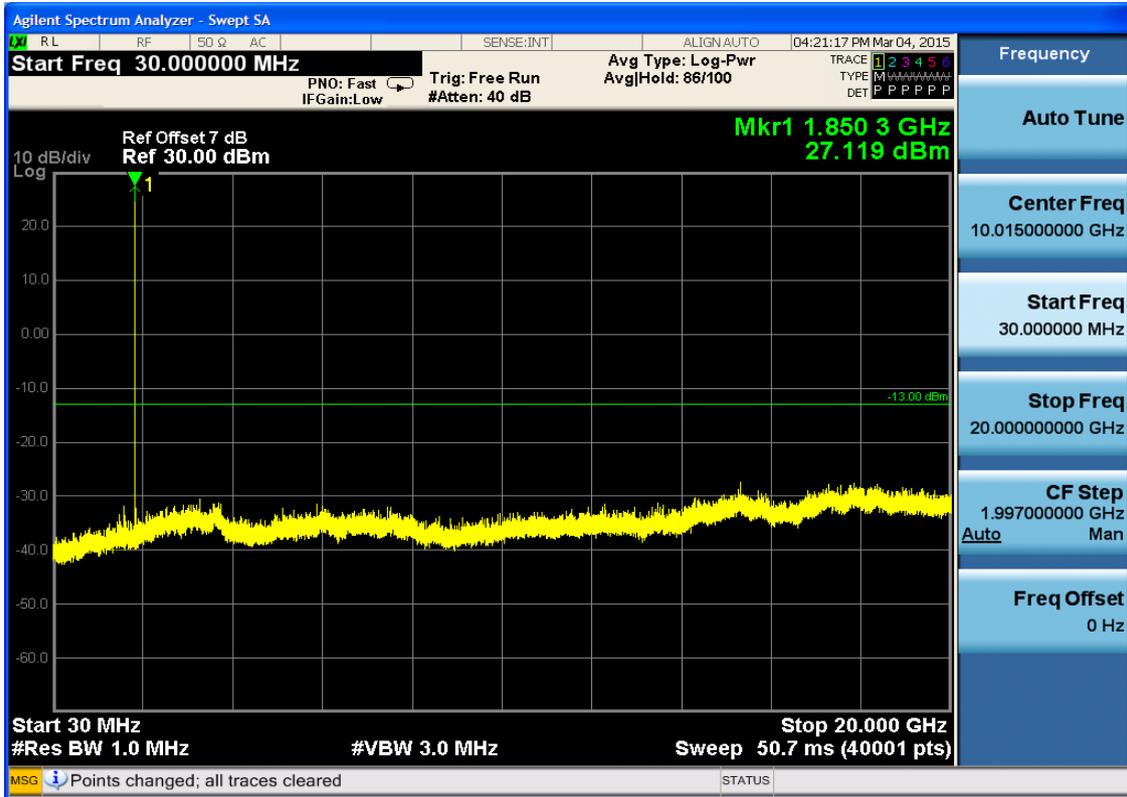


6.1.2.2 Test Mode = GSM/TM2

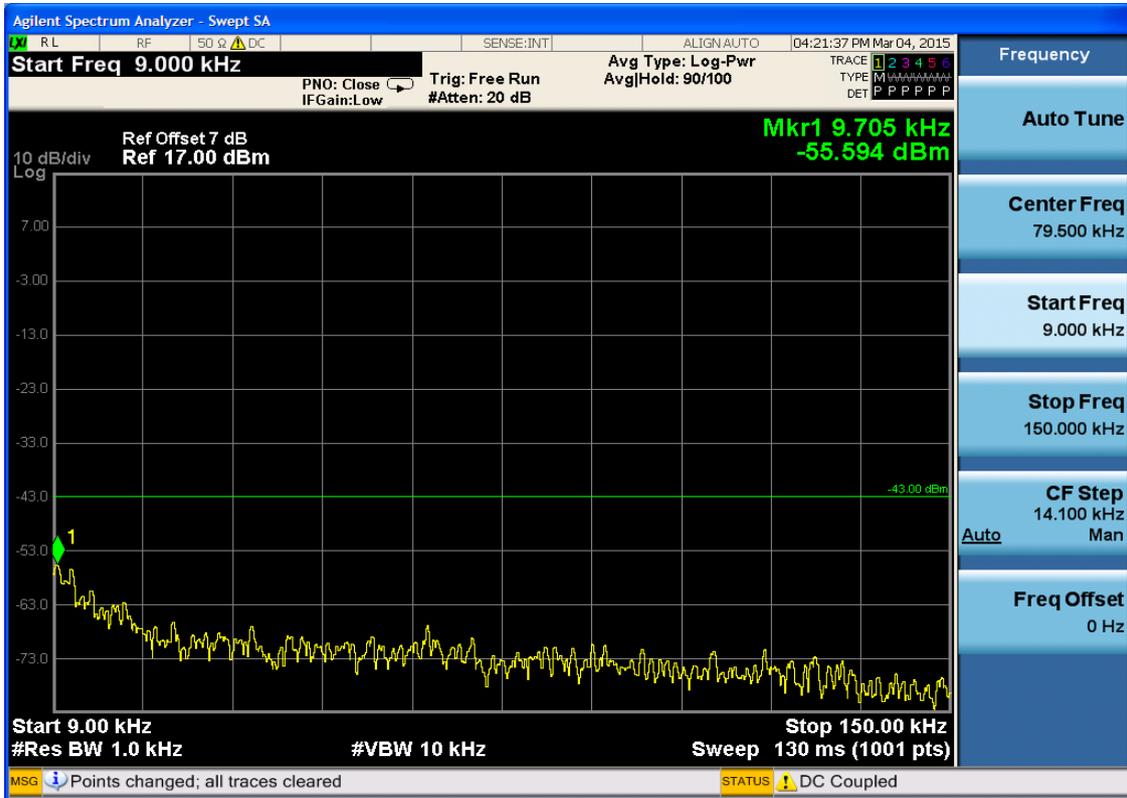
6.1.2.2.1 Test Channel = LCH

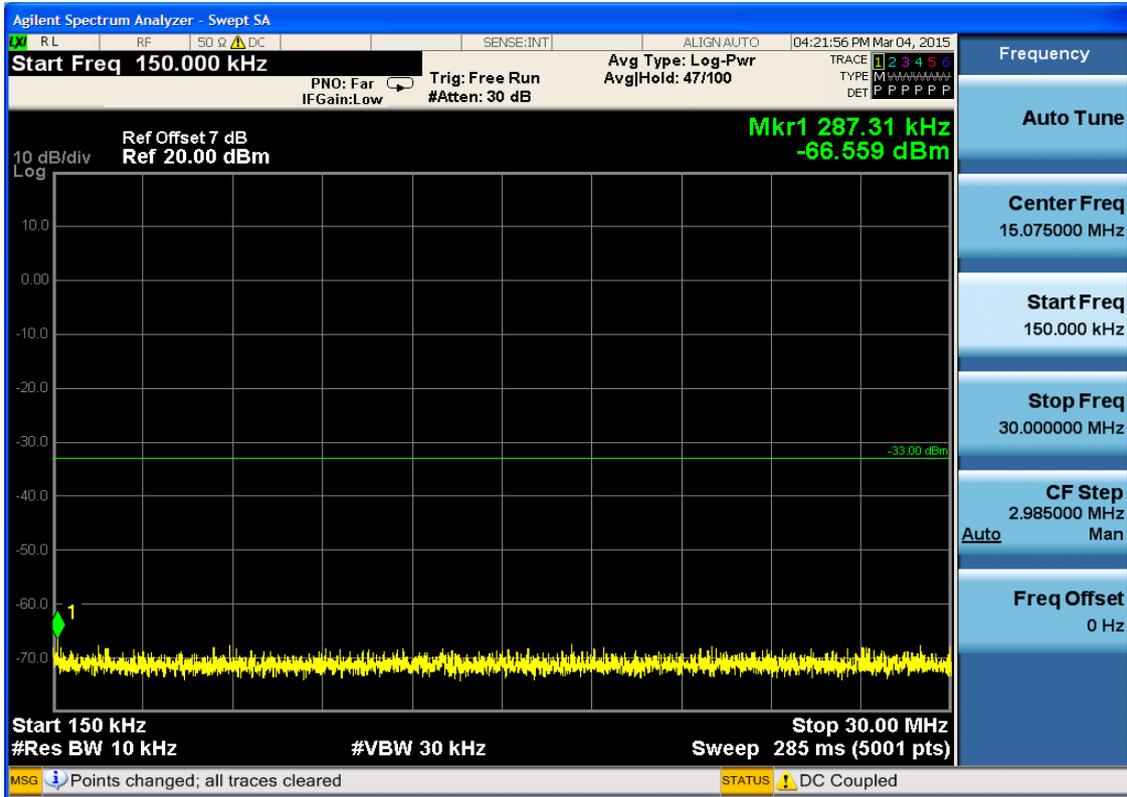






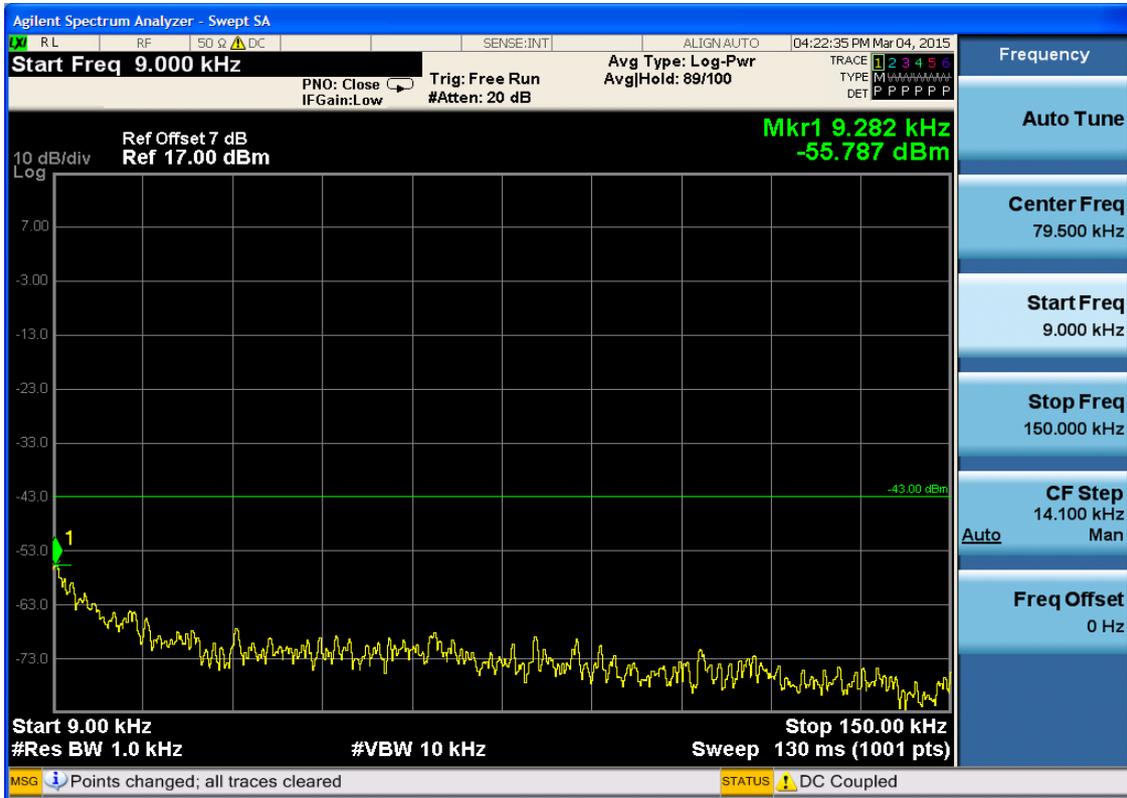
6.1.2.2.2 Test Channel = MCH

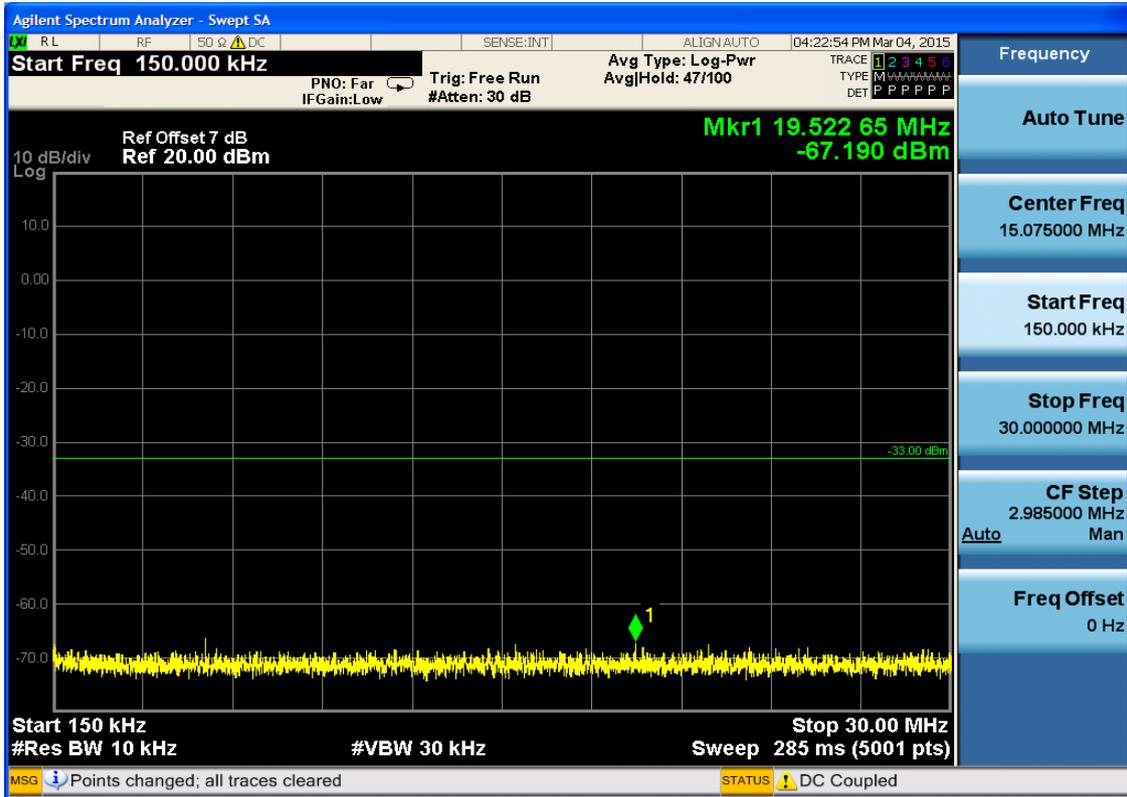


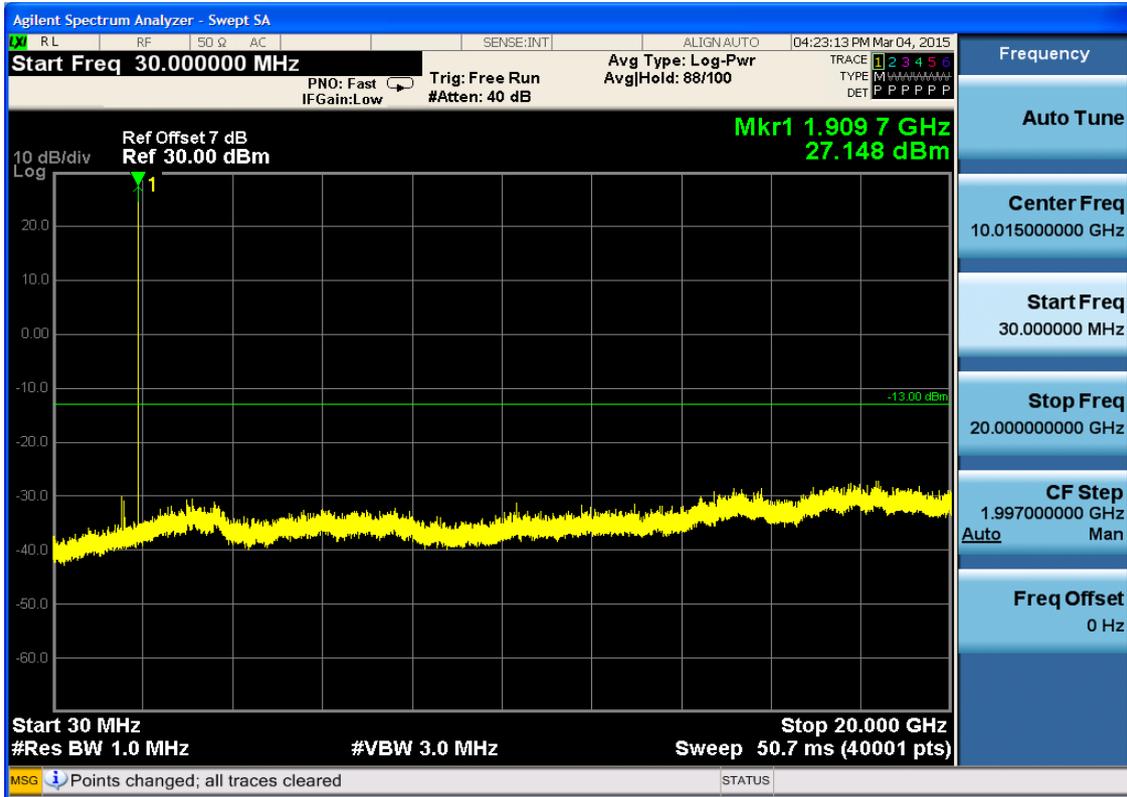




6.1.2.2.3 Test Channel = HCH





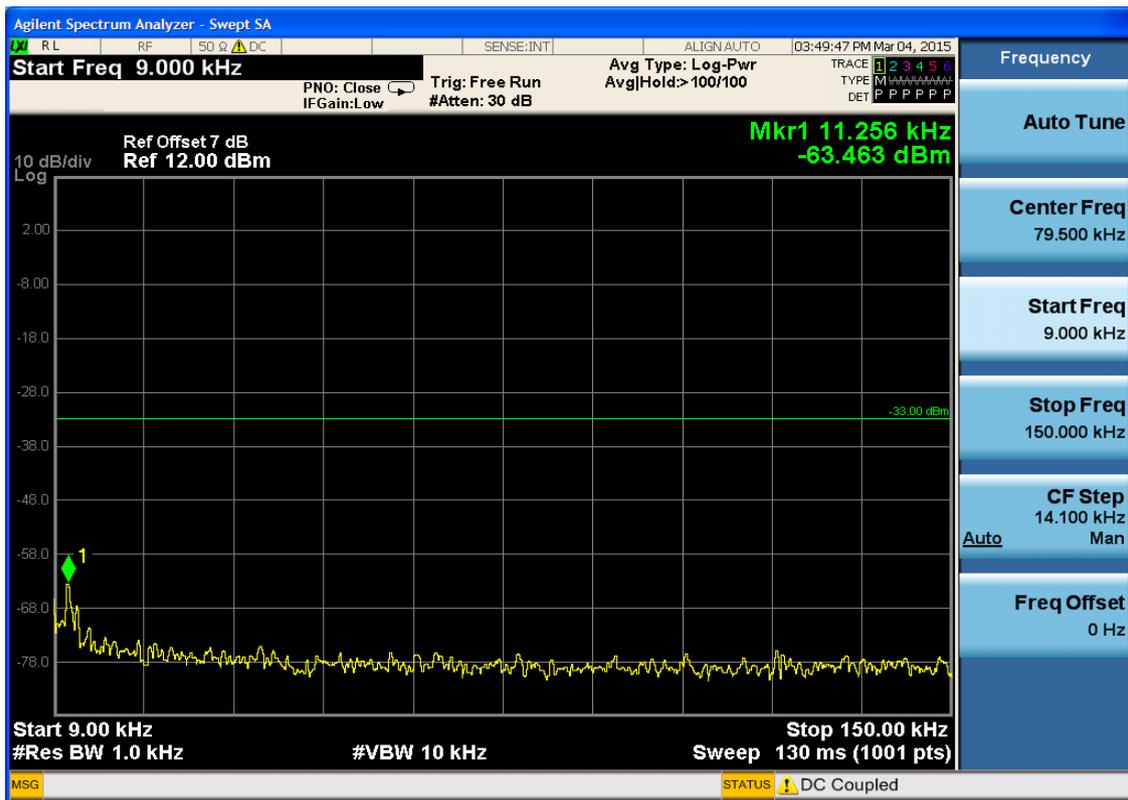


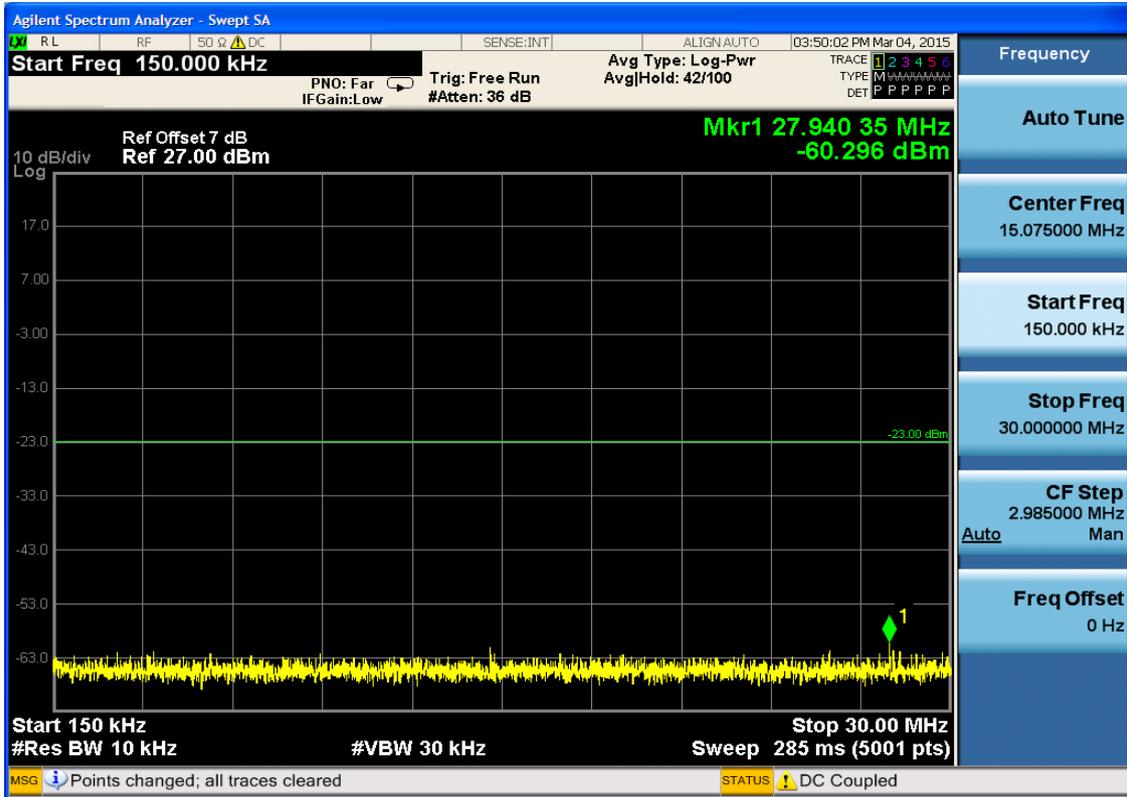
6.2 For UMTS

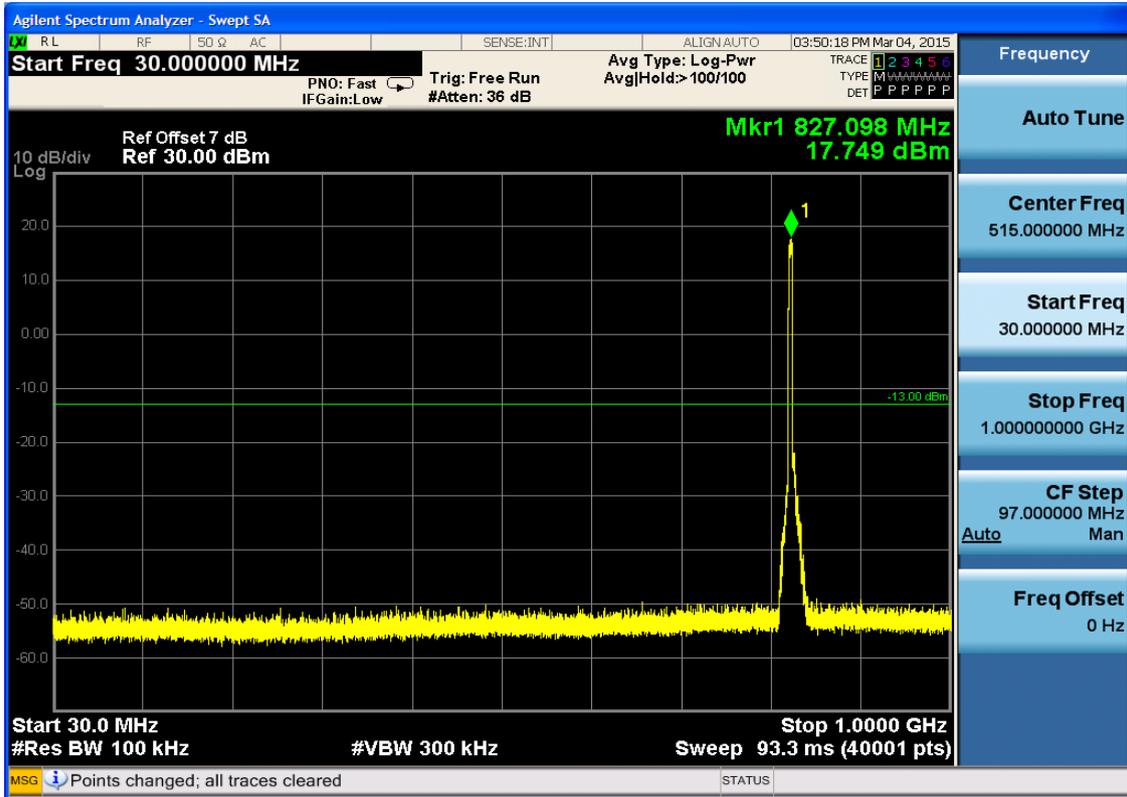
6.2.1 Test Band = WCDMA850

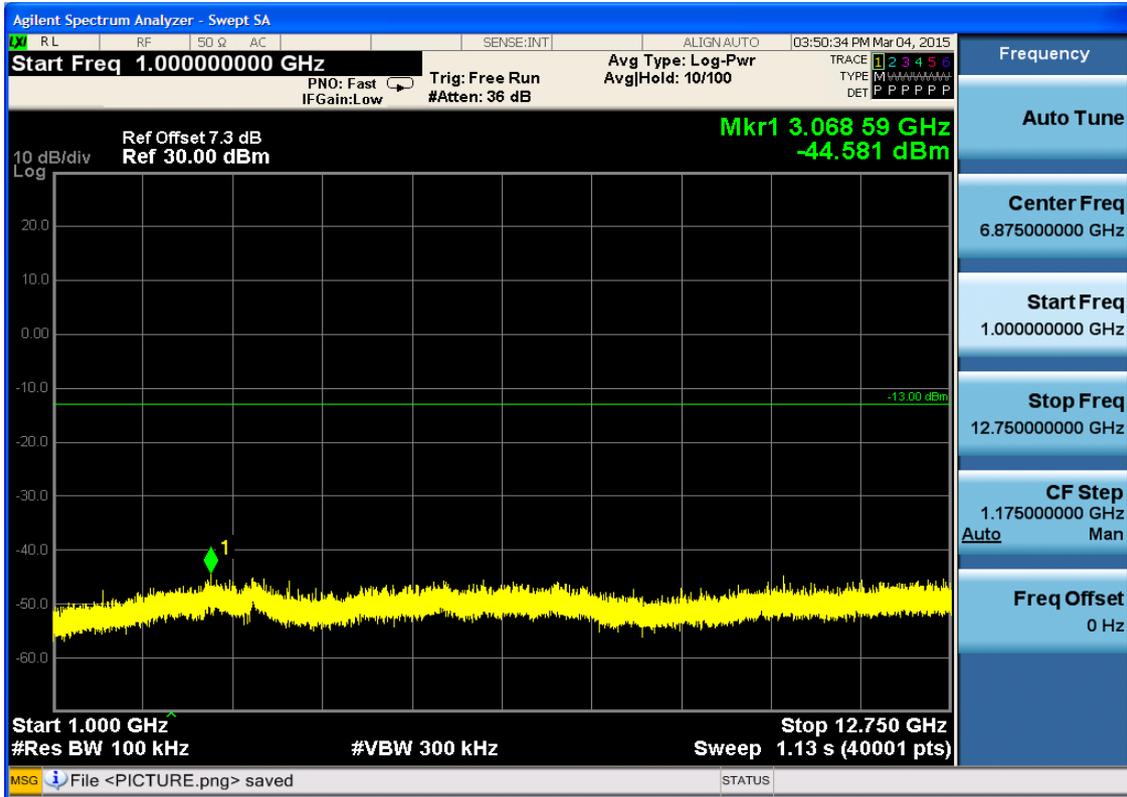
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH



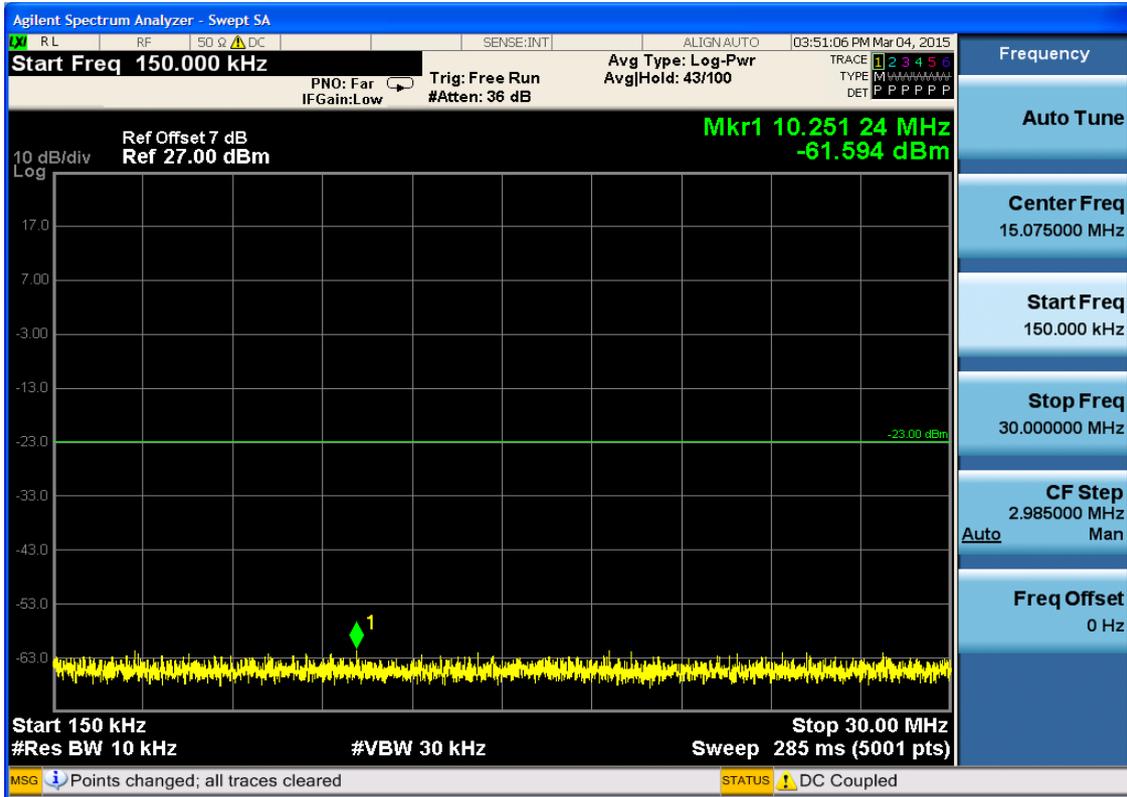


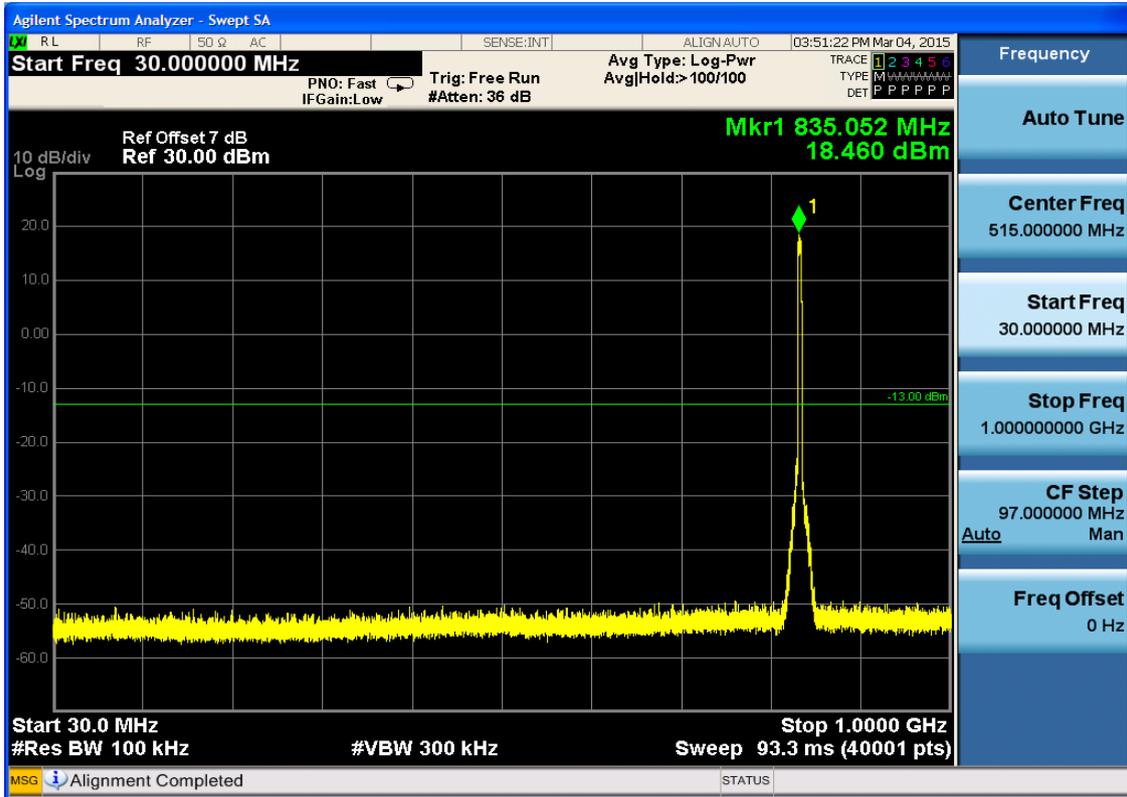


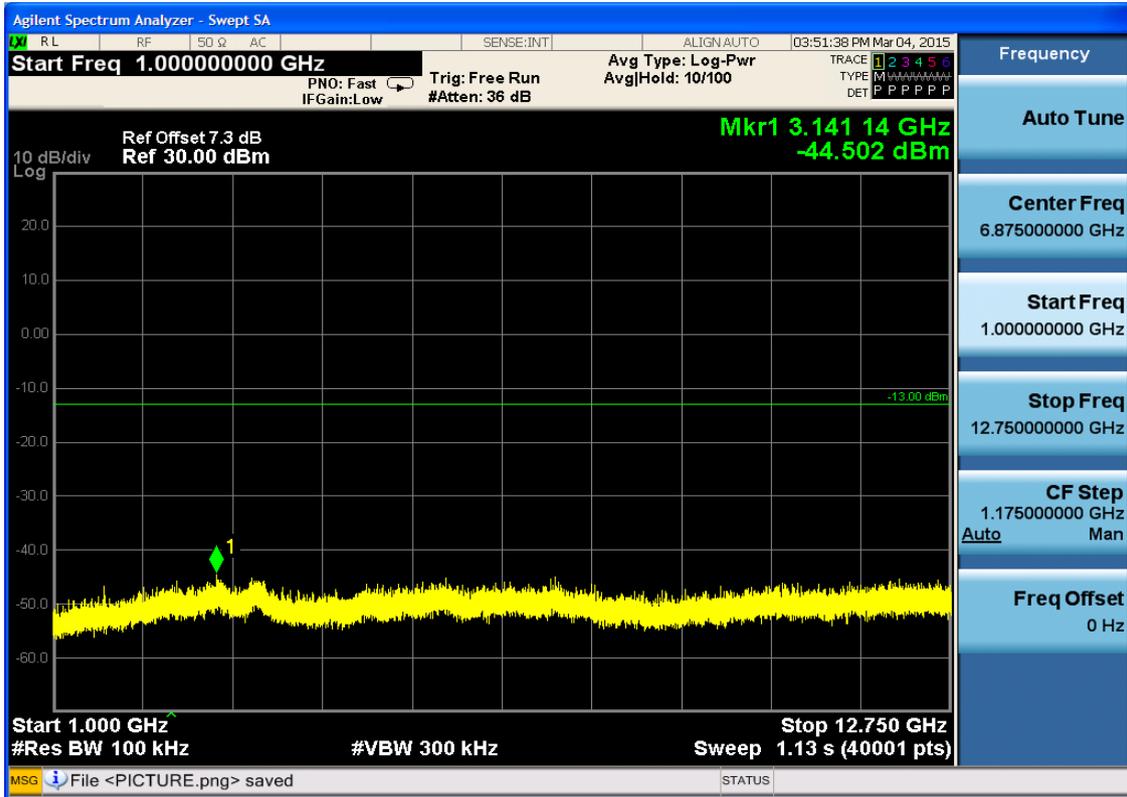


6.2.1.1.2 Test Channel = MCH



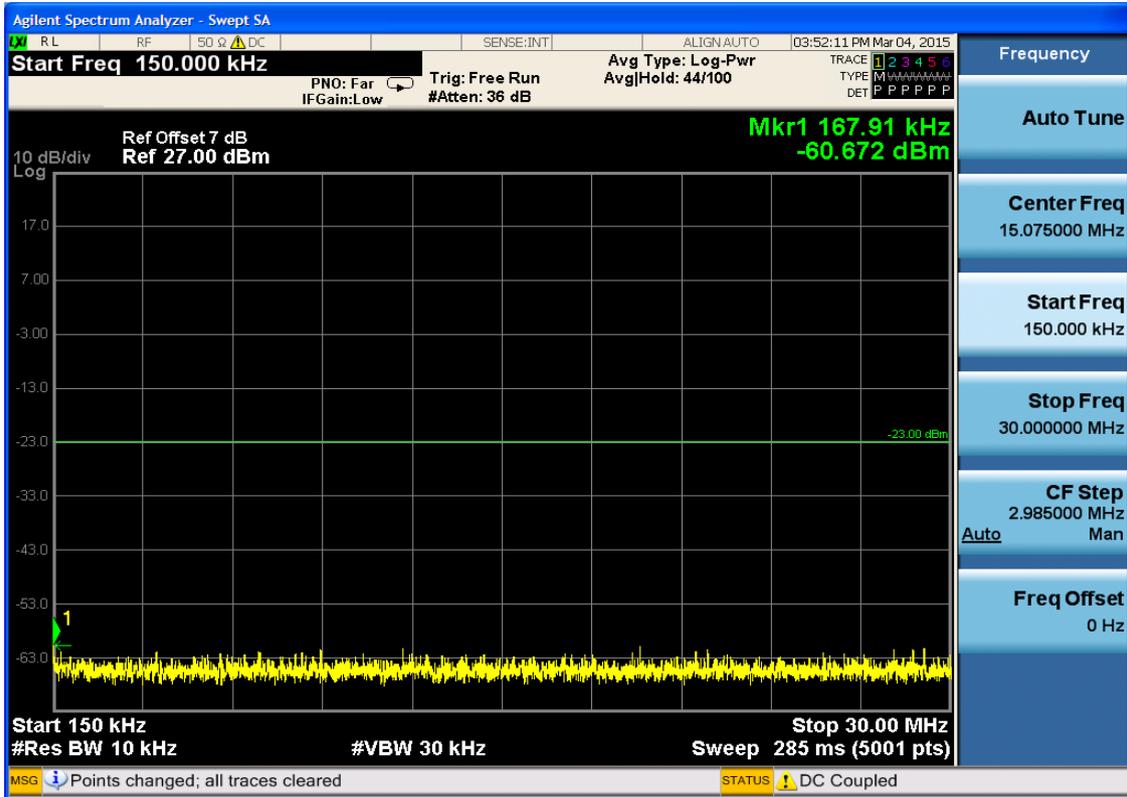


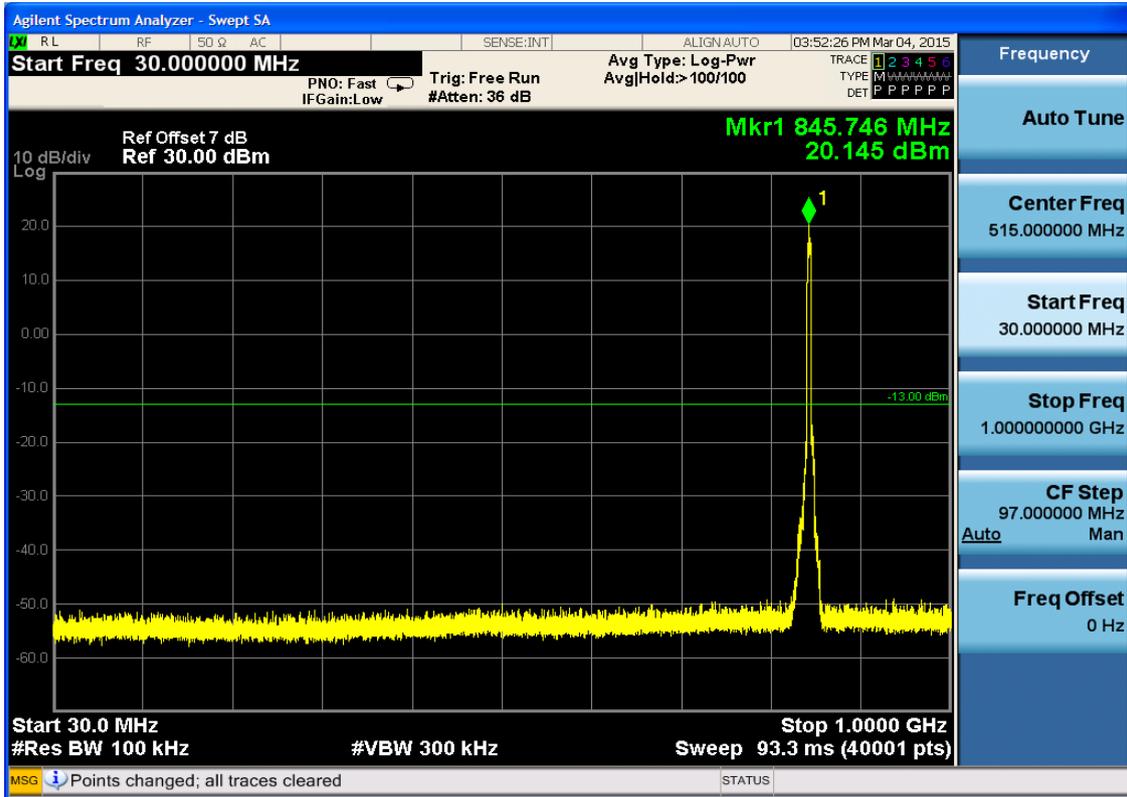


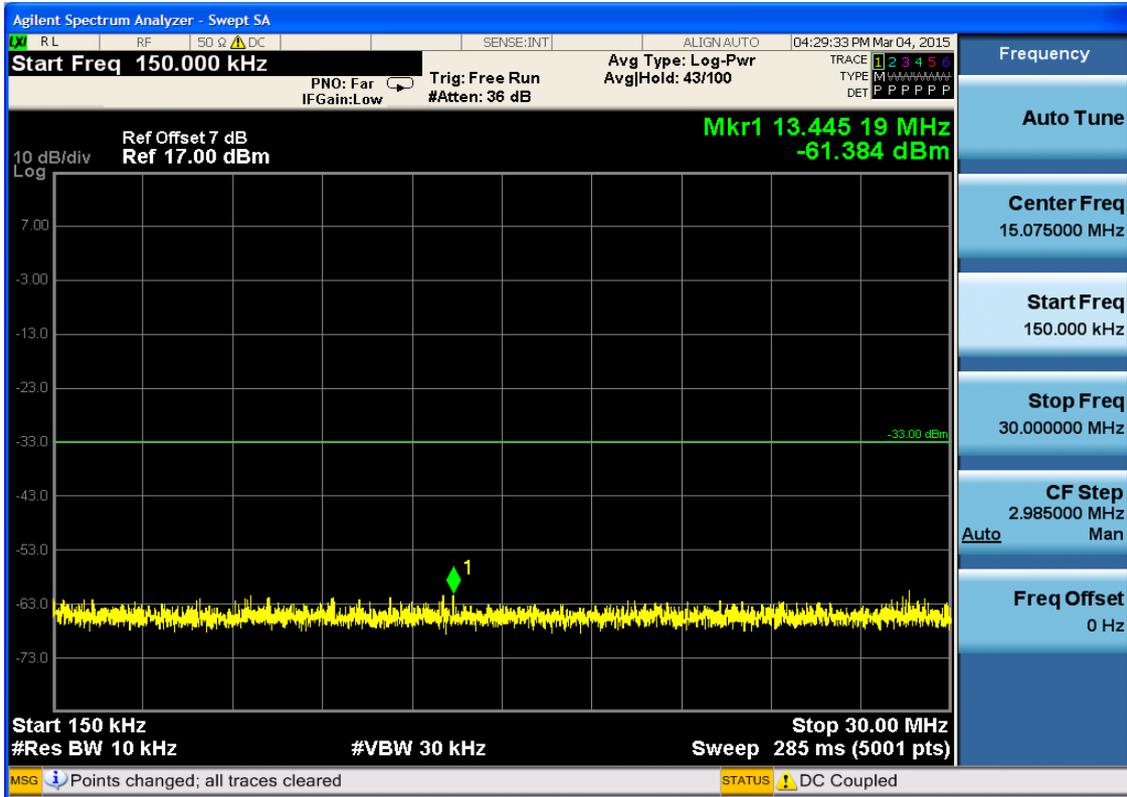


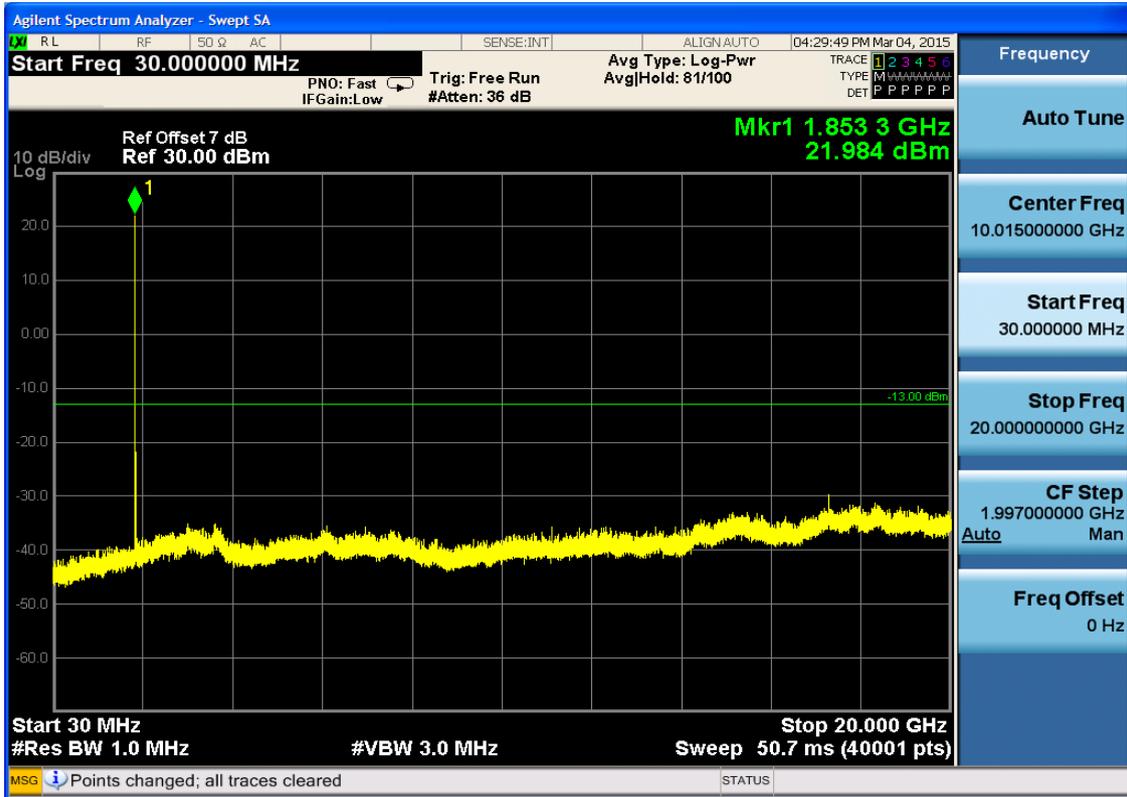
6.2.1.1.3 Test Channel = HCH



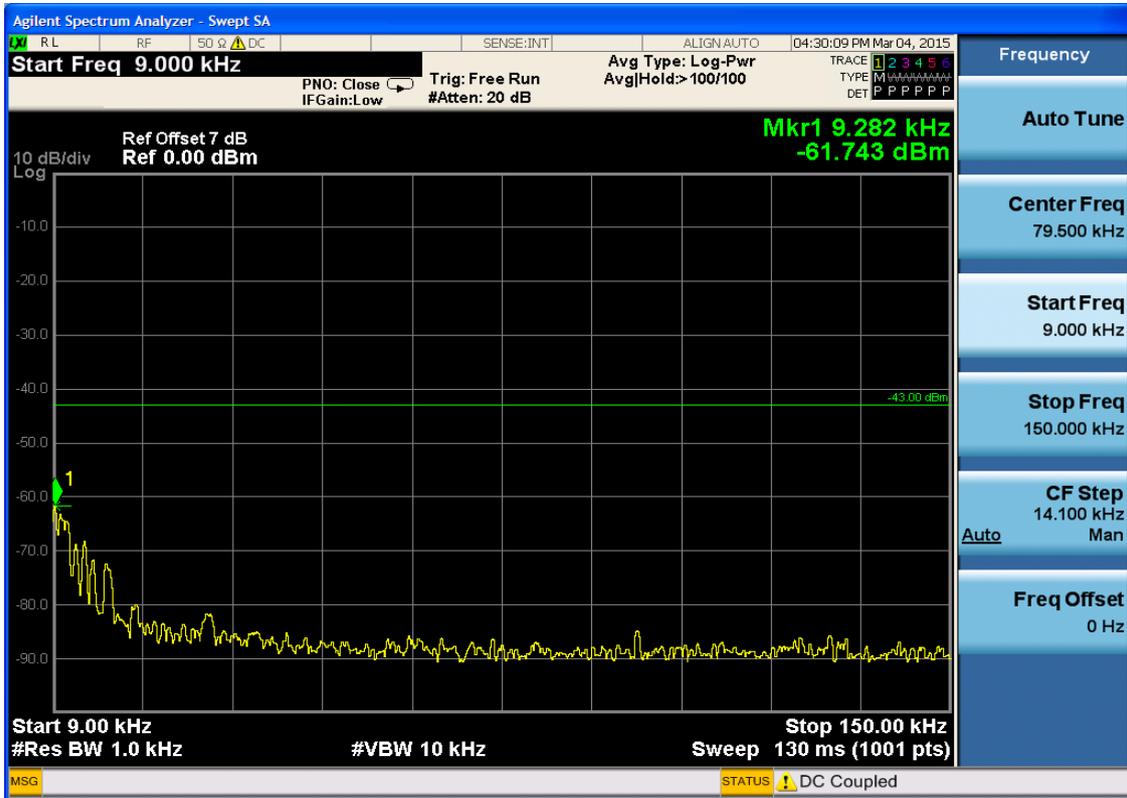


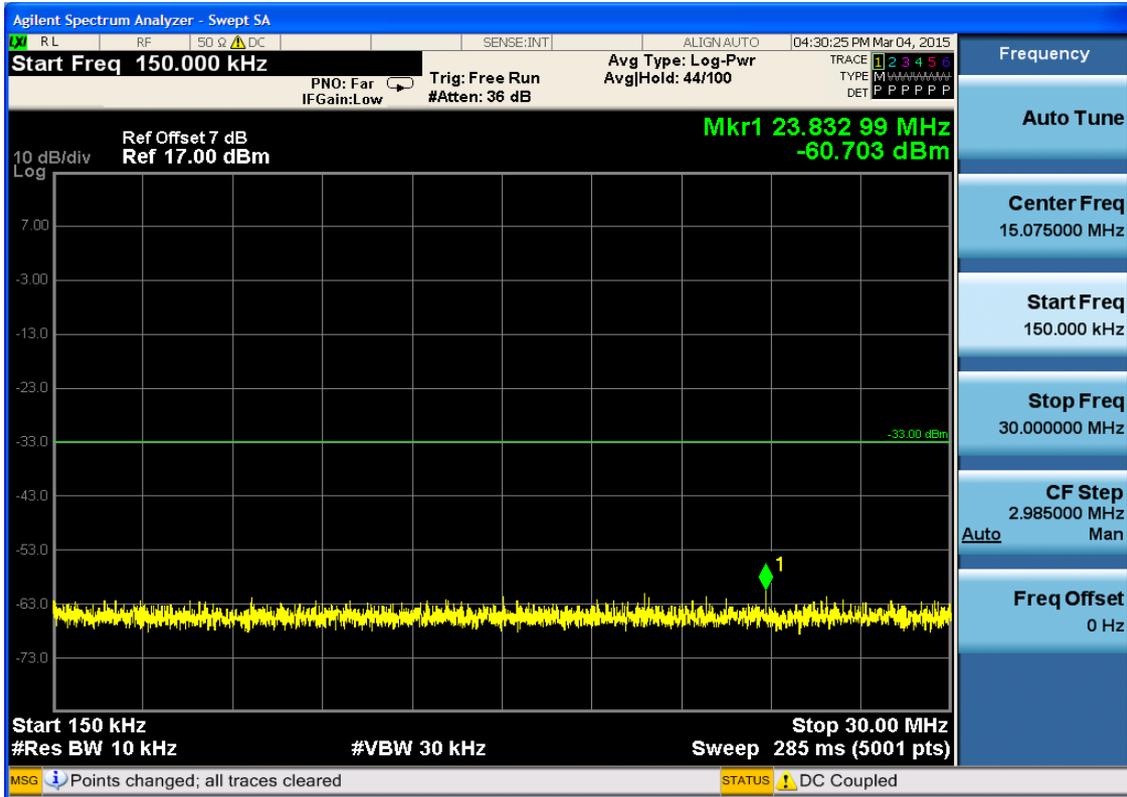


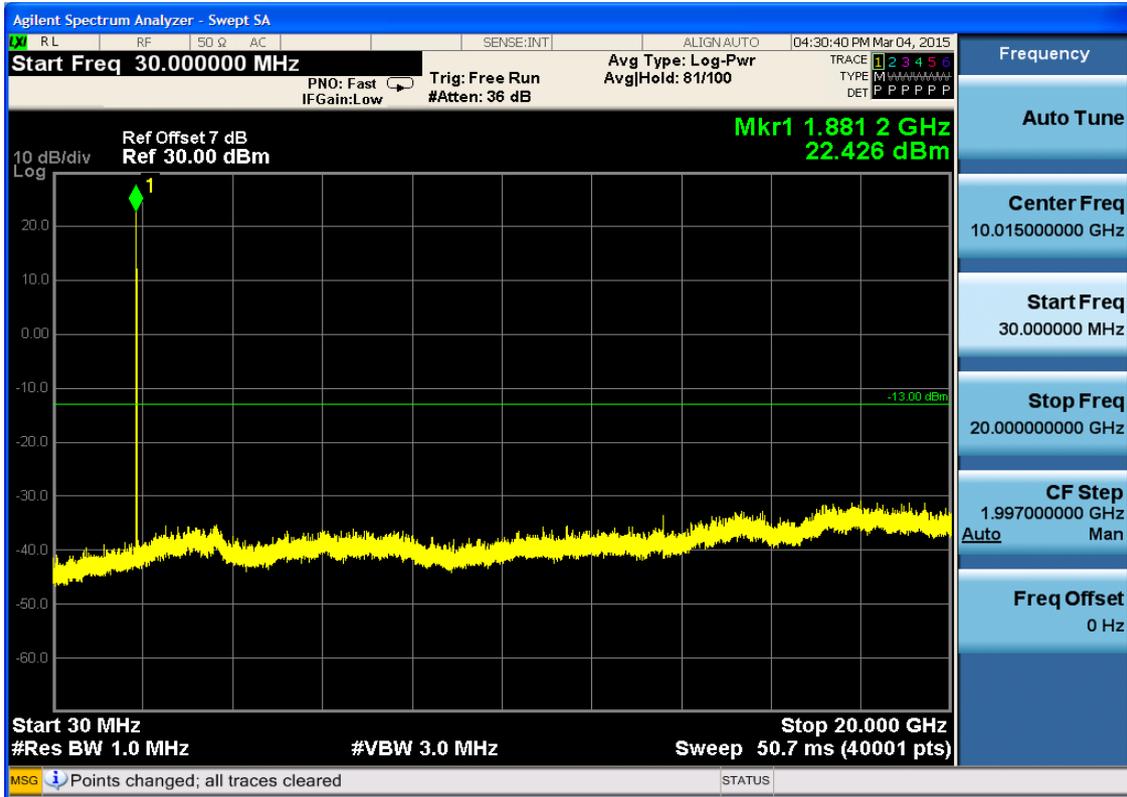




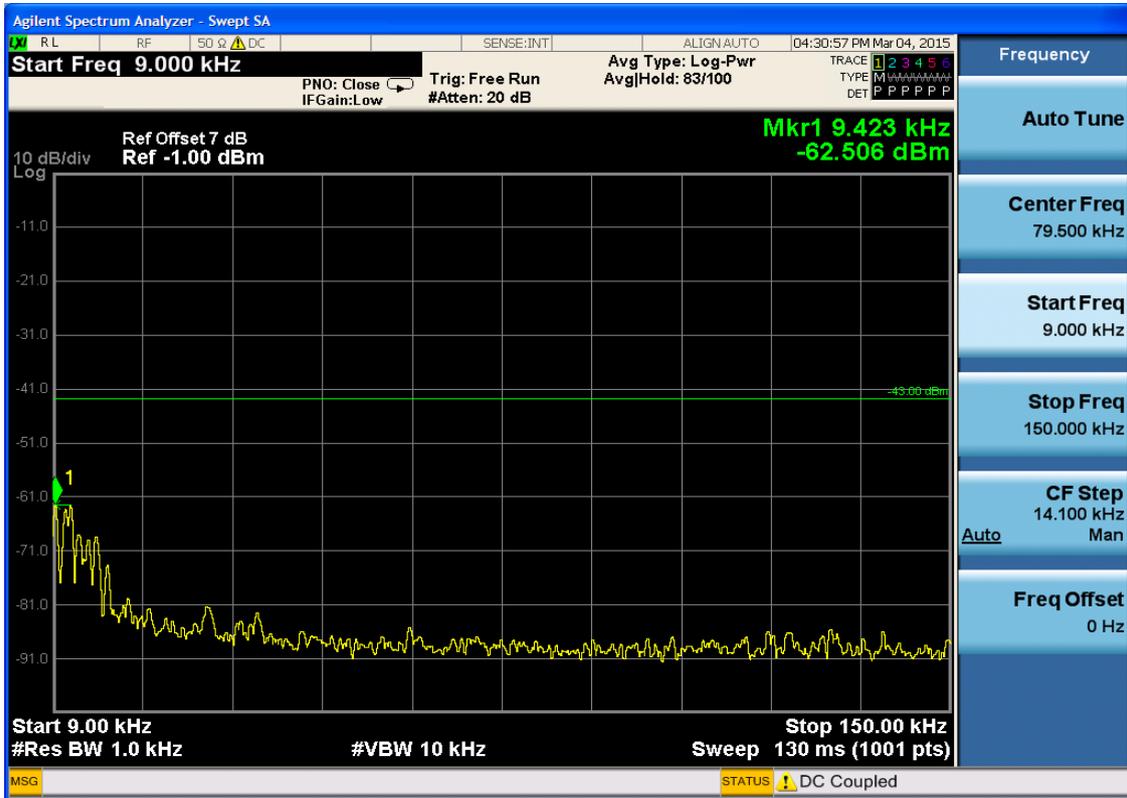
6.2.2.1.2 Test Channel = MCH

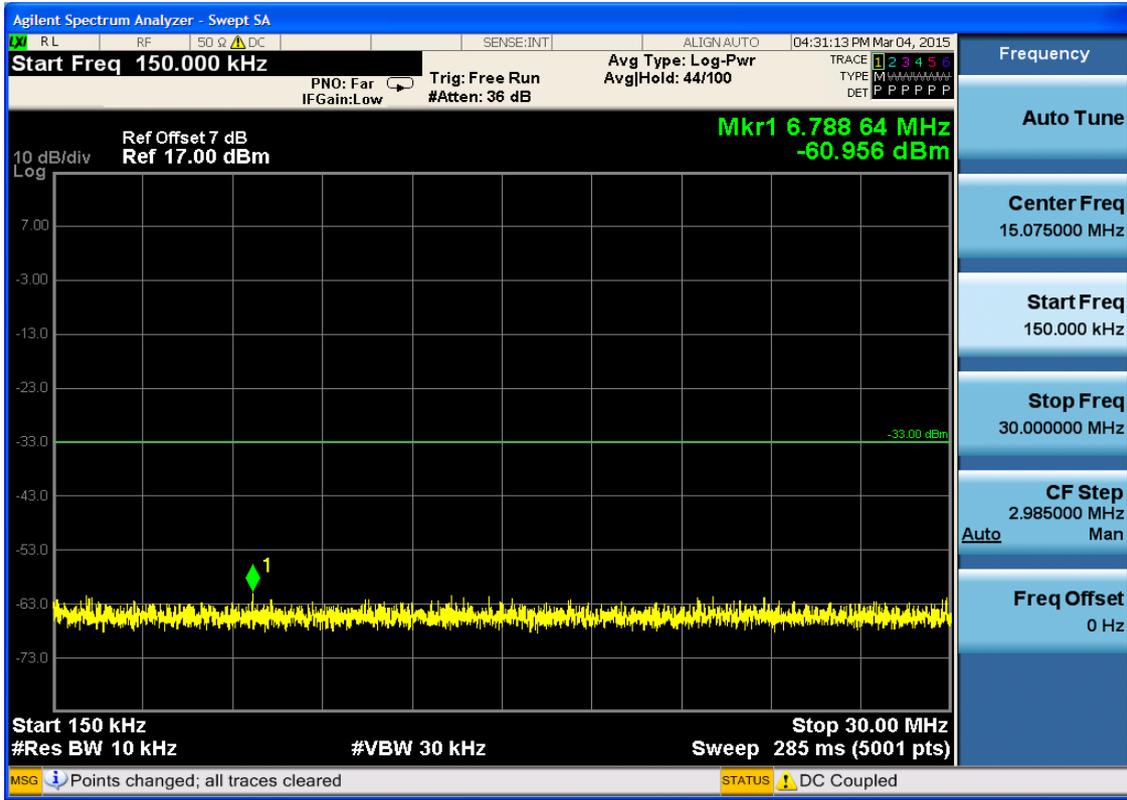


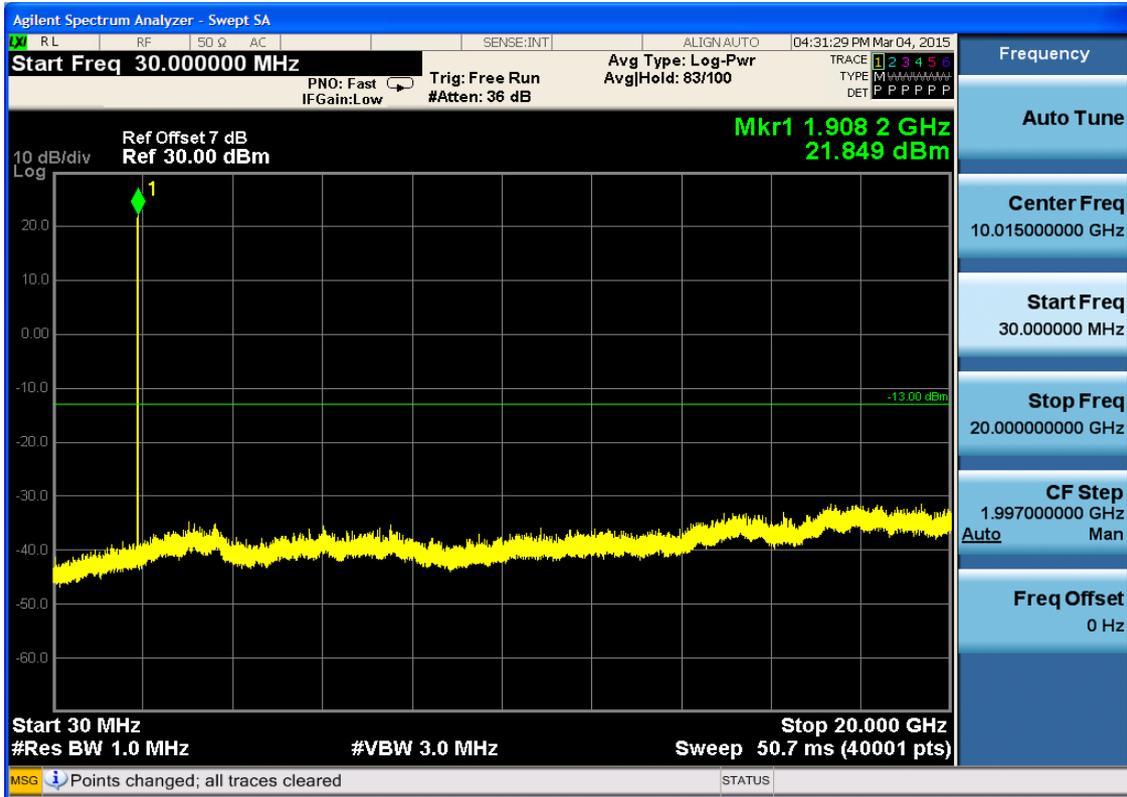




6.2.2.1.3 Test Channel = HCH



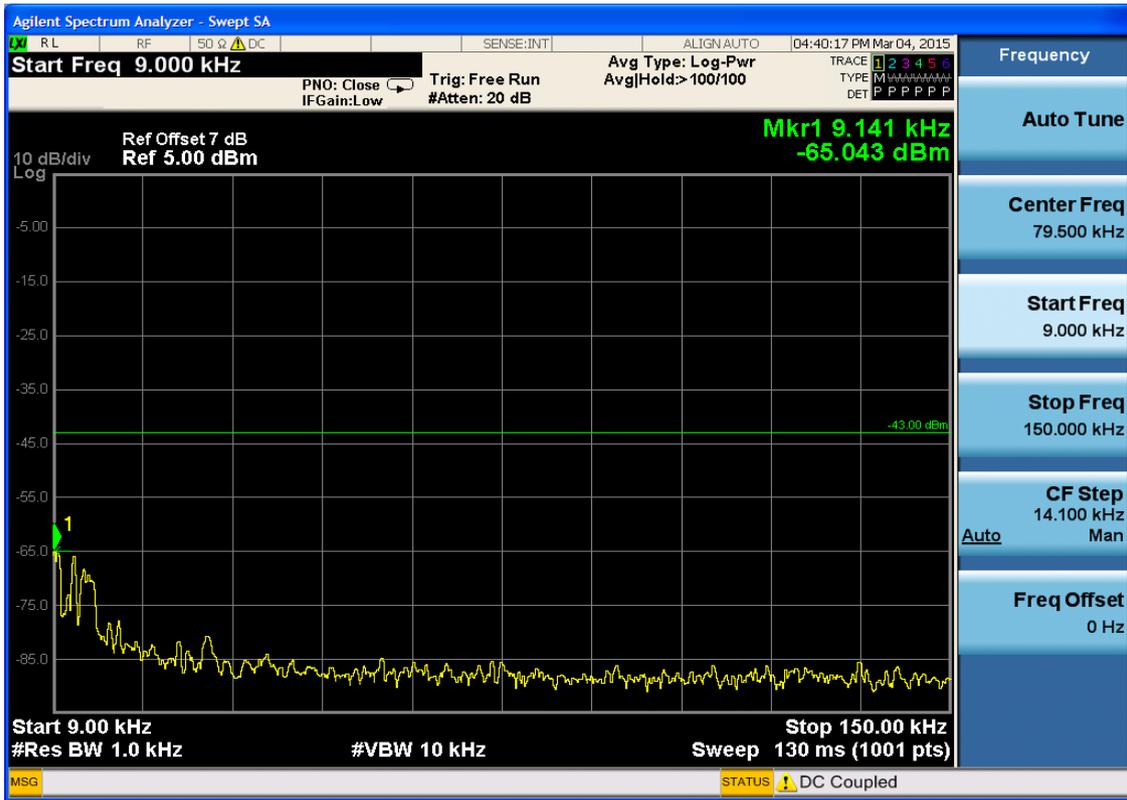


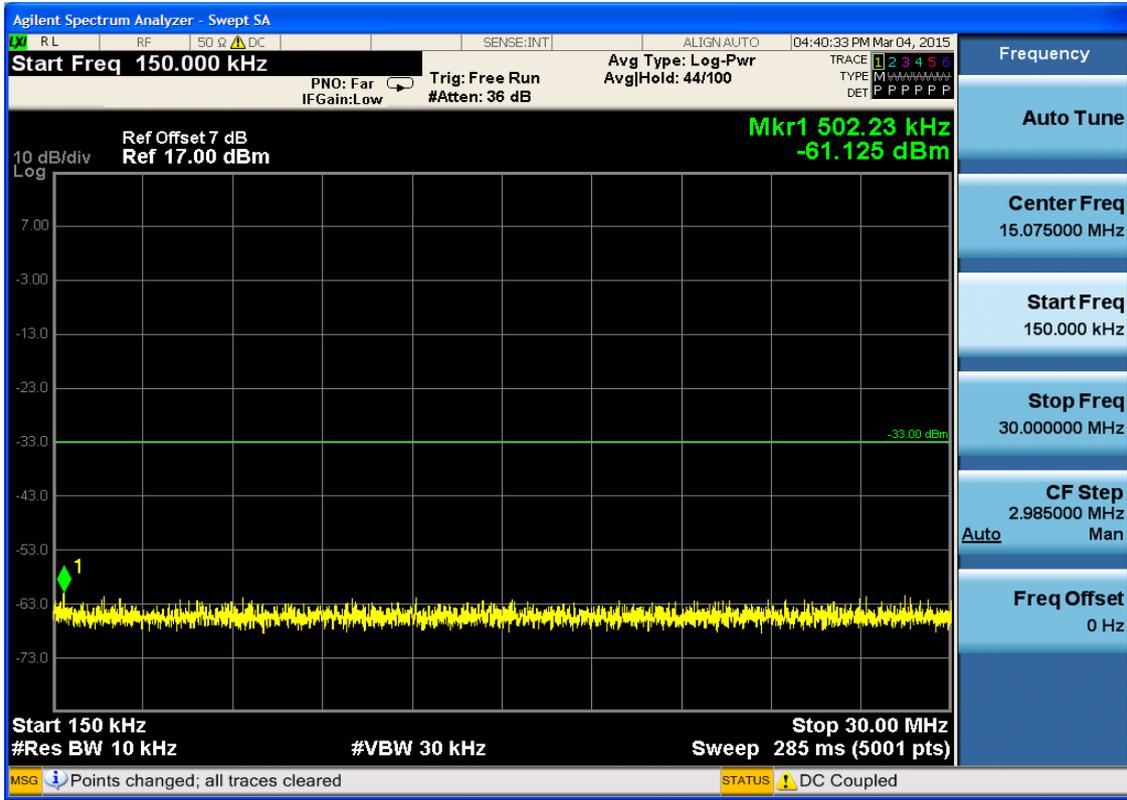


6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

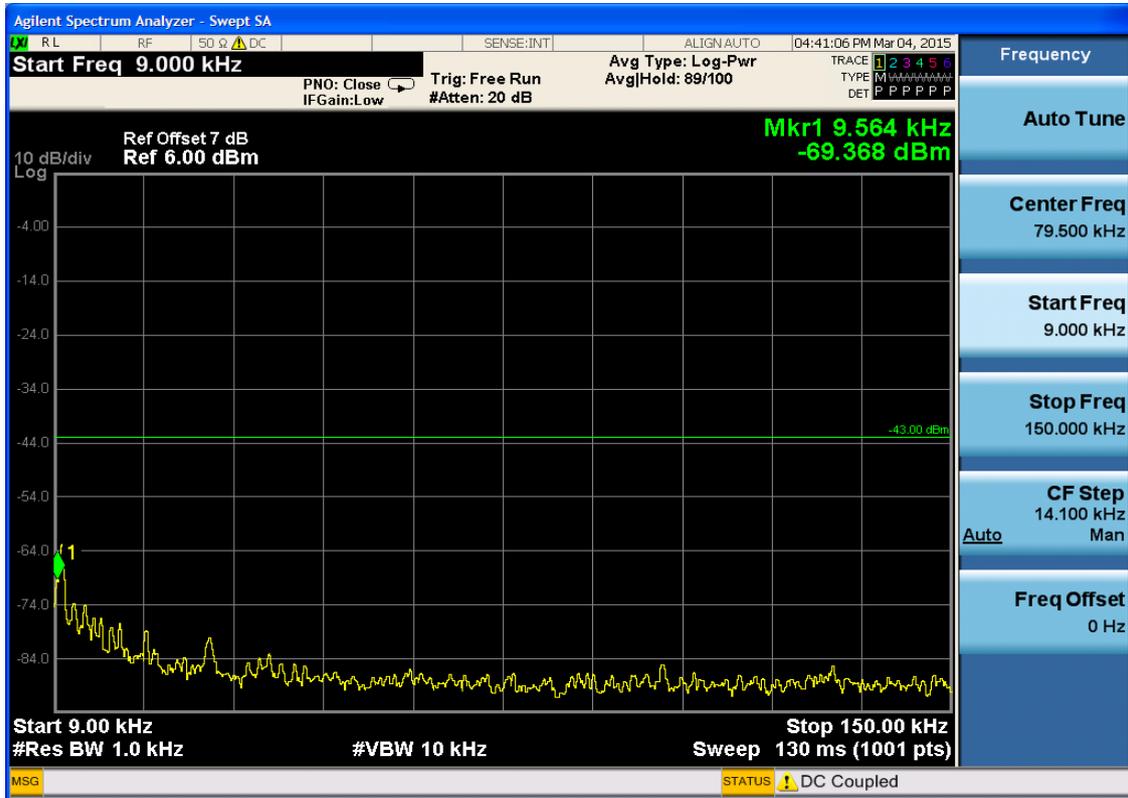
6.2.3.1.1 Test Channel = LCH

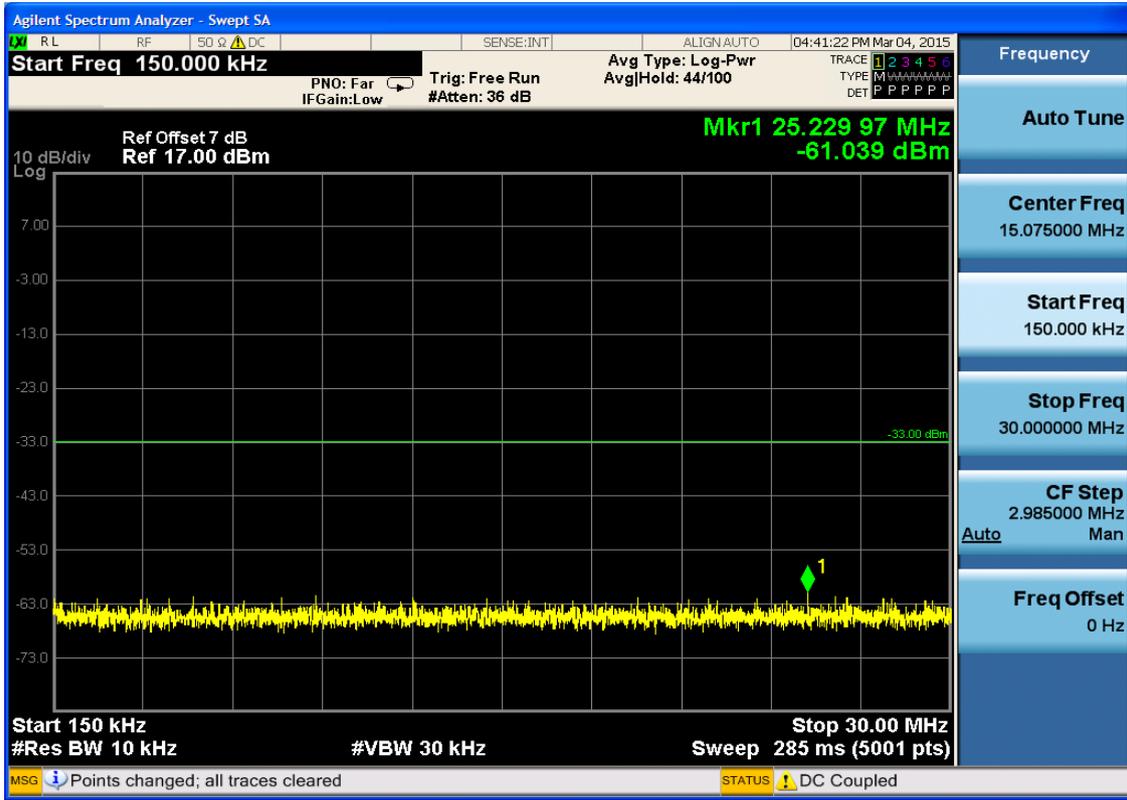


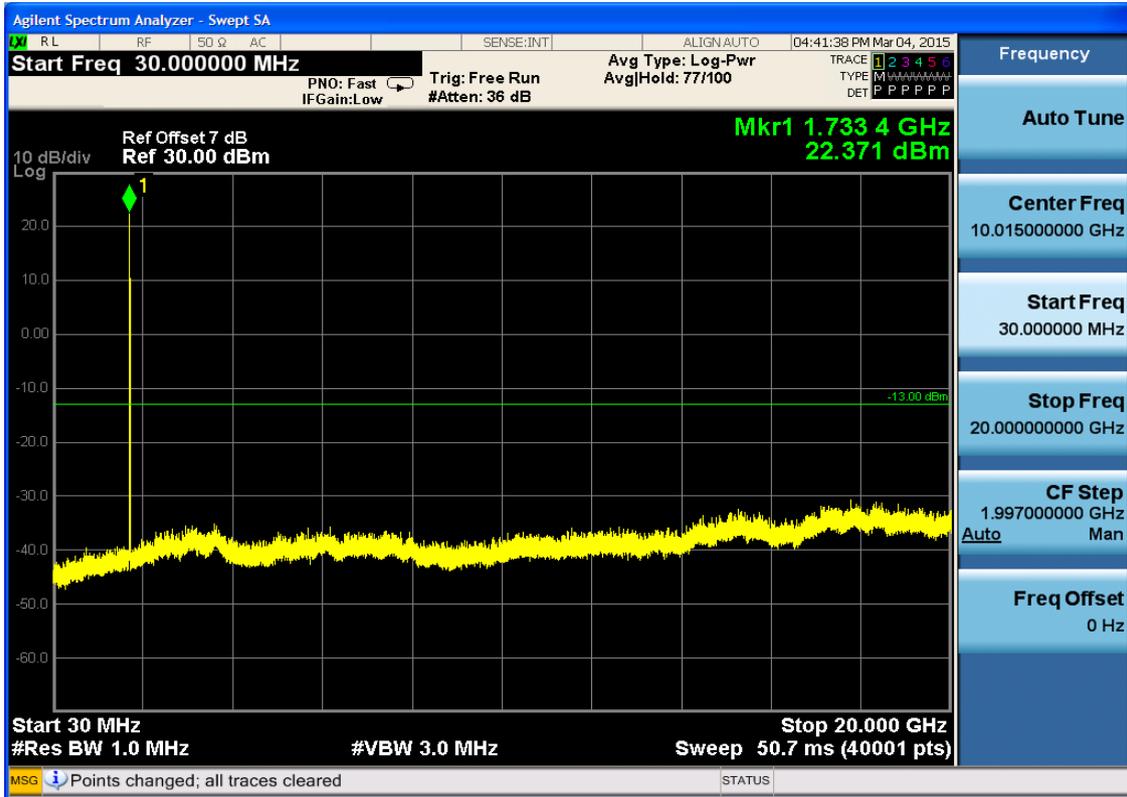




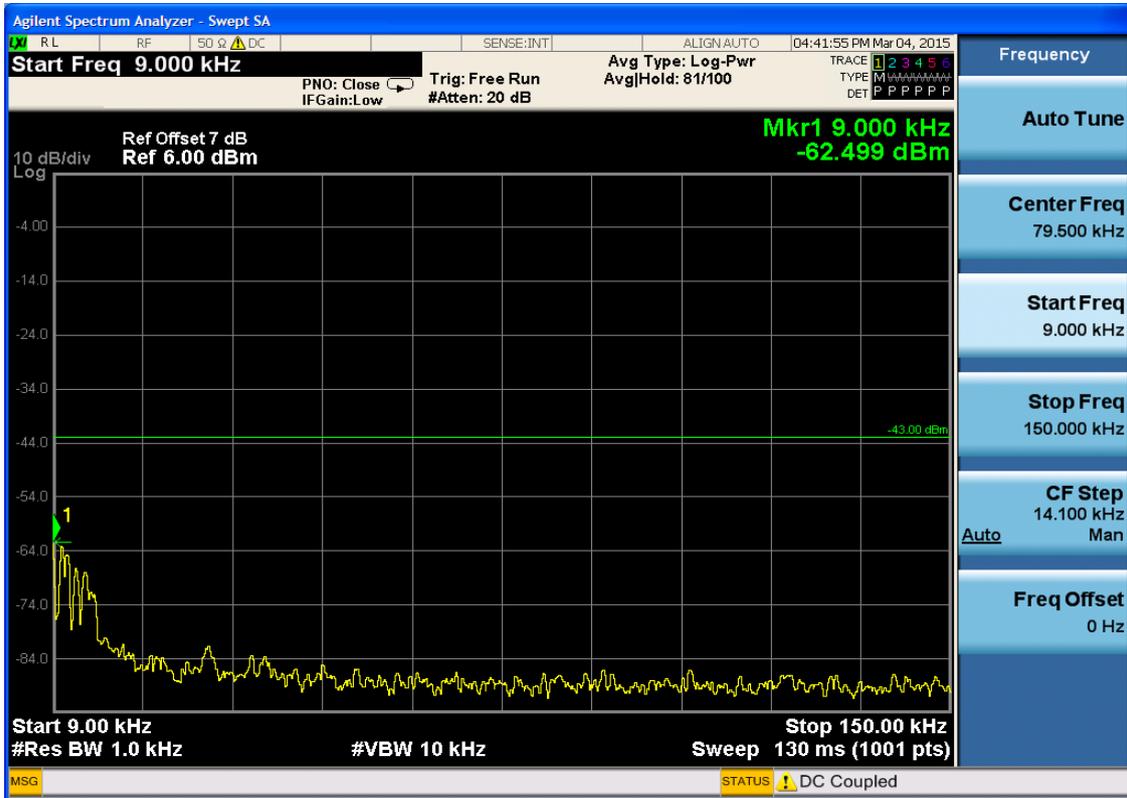
6.2.3.1.2 Test Channel = MCH

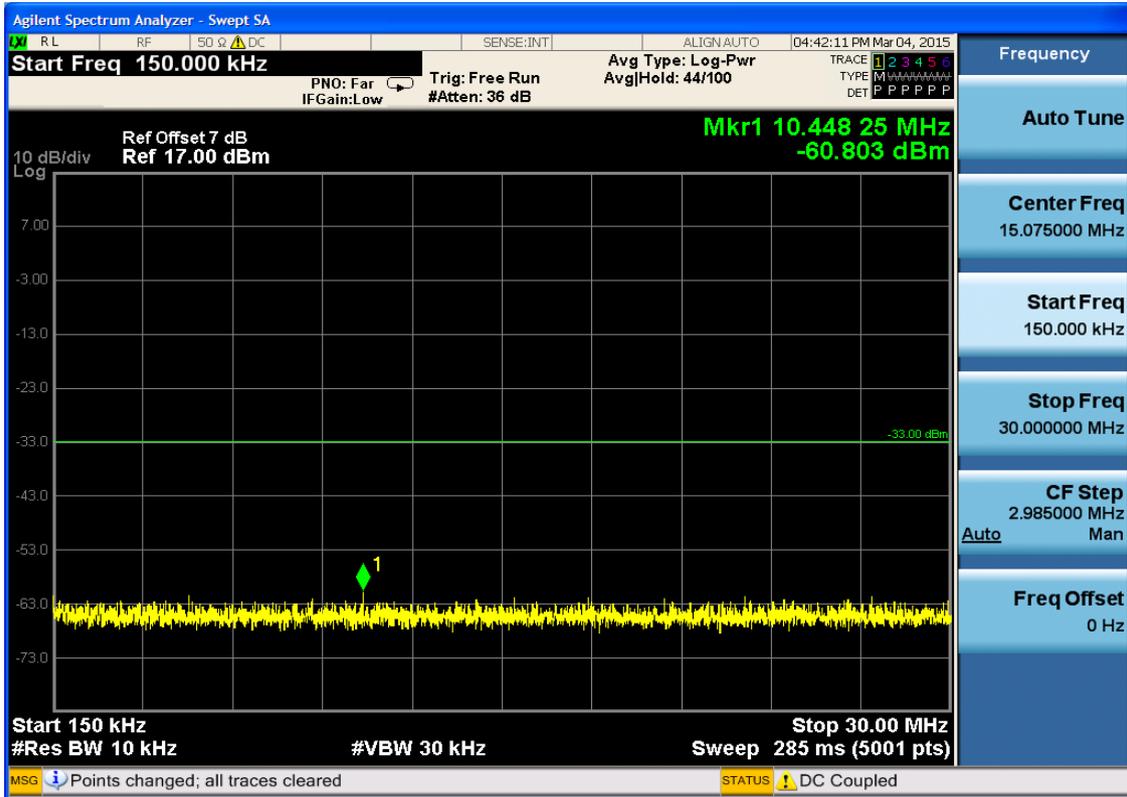


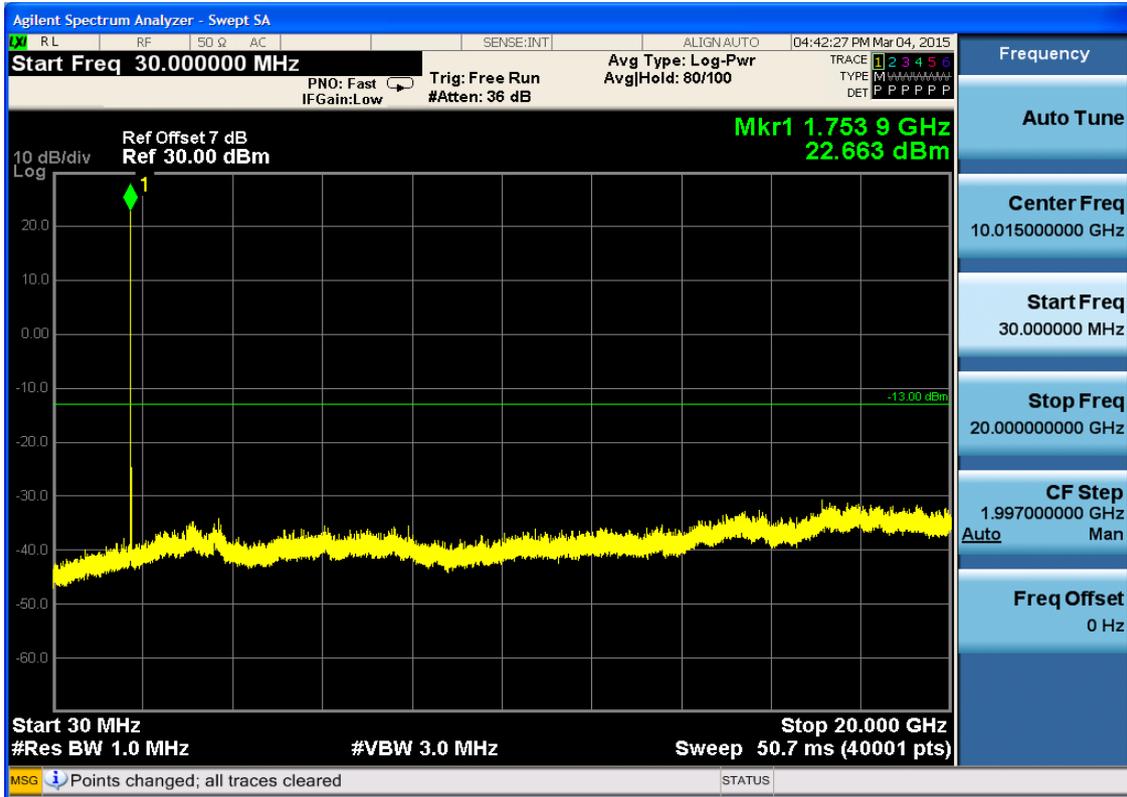




6.2.3.1.3 Test Channel = HCH







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

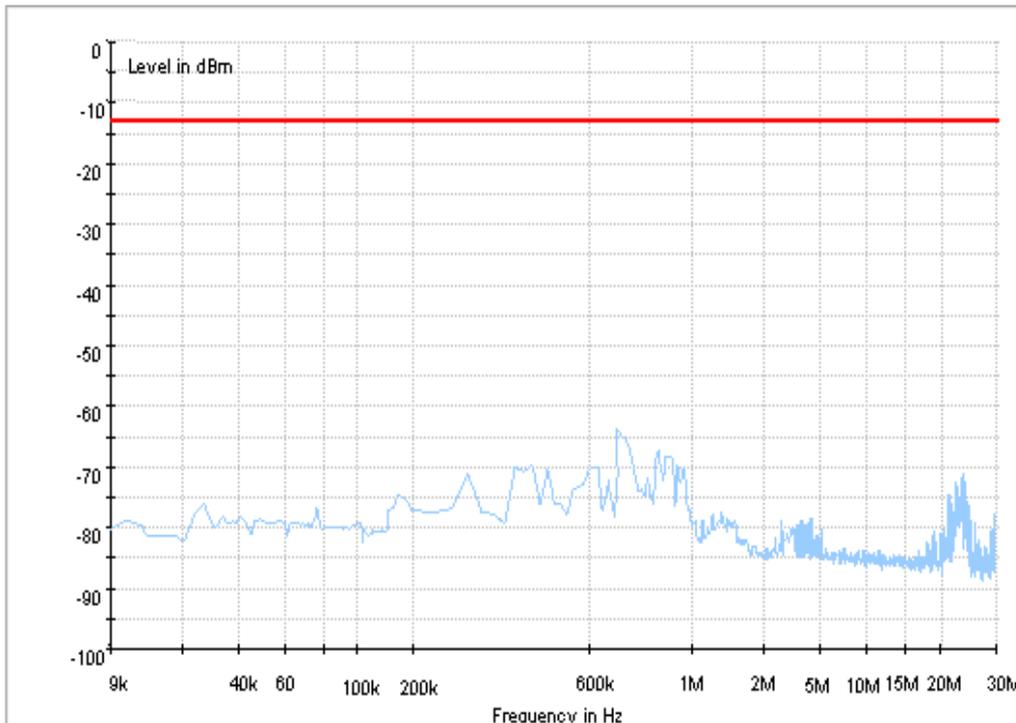
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

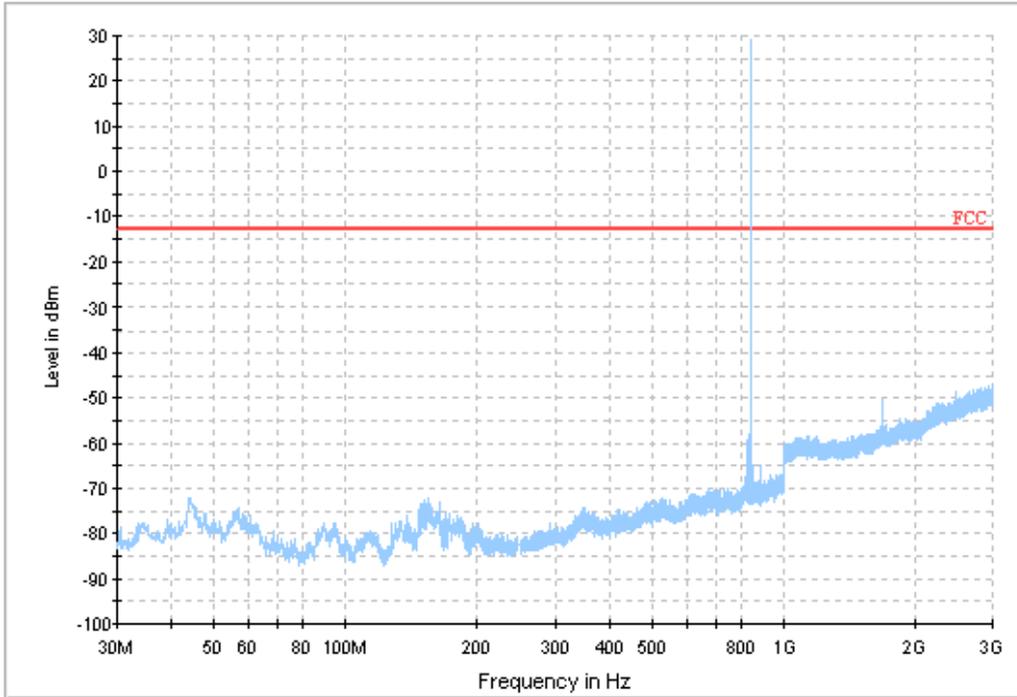
7.1 For GSM

7.1.1 Test Band = GSM850

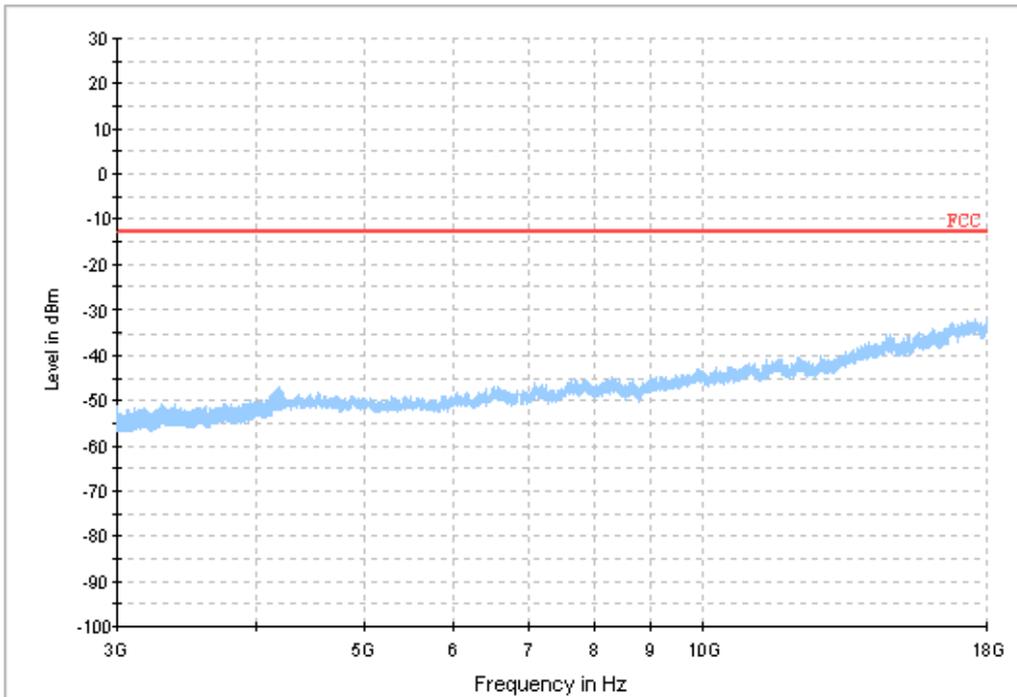
7.1.1.1 Test Mode = GSM/TM1



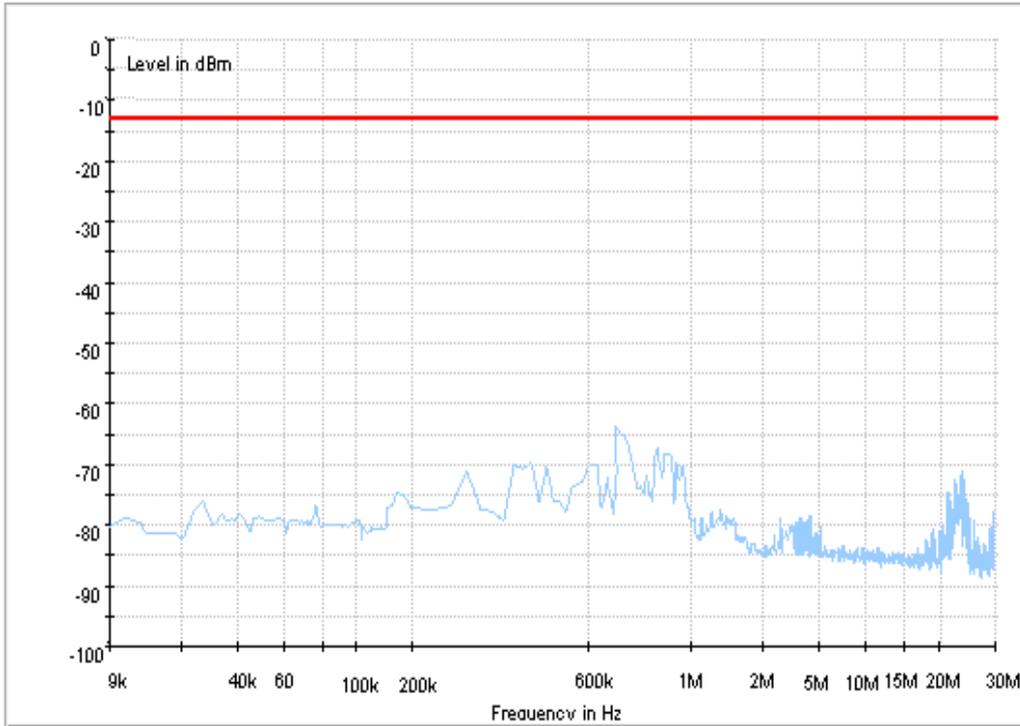
Copy of FCC PART22 GSM850_L



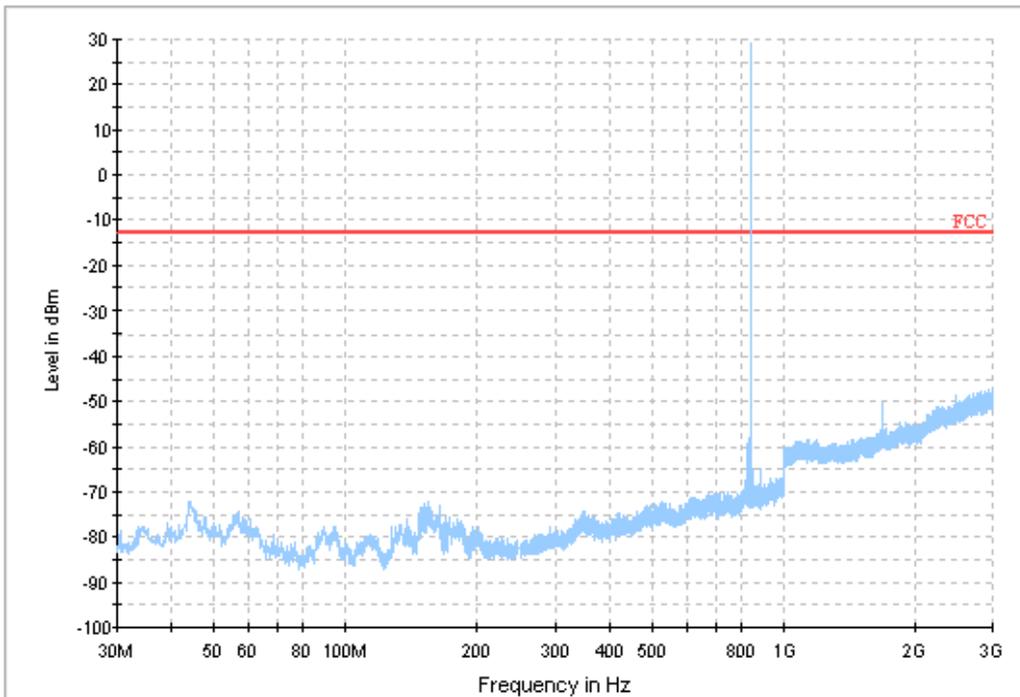
Copy of FCC PART22 GSM850_H



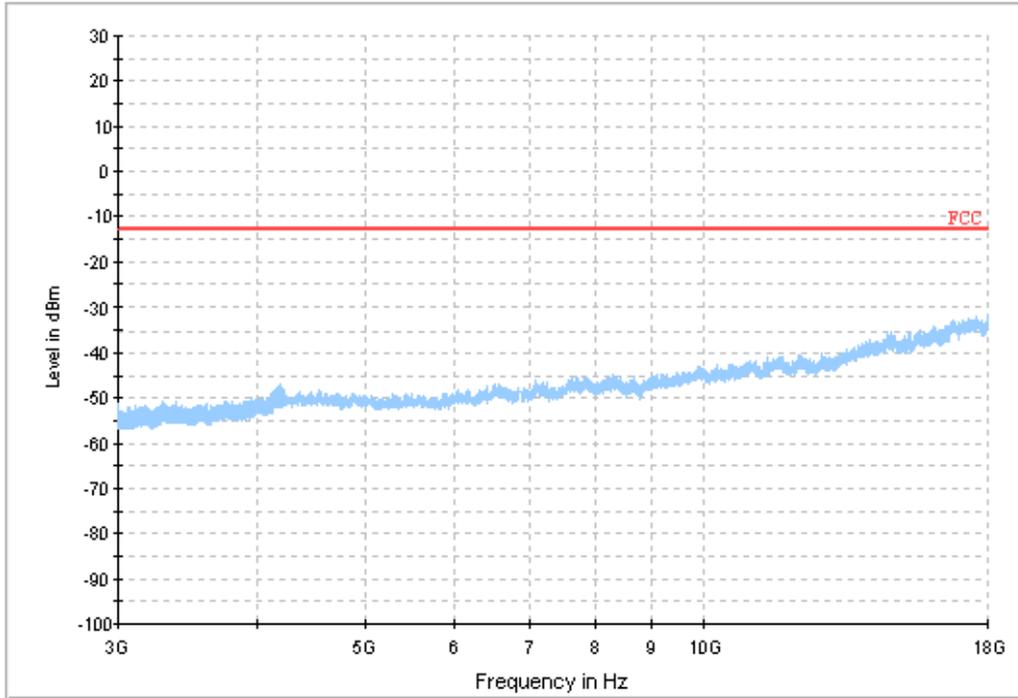
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

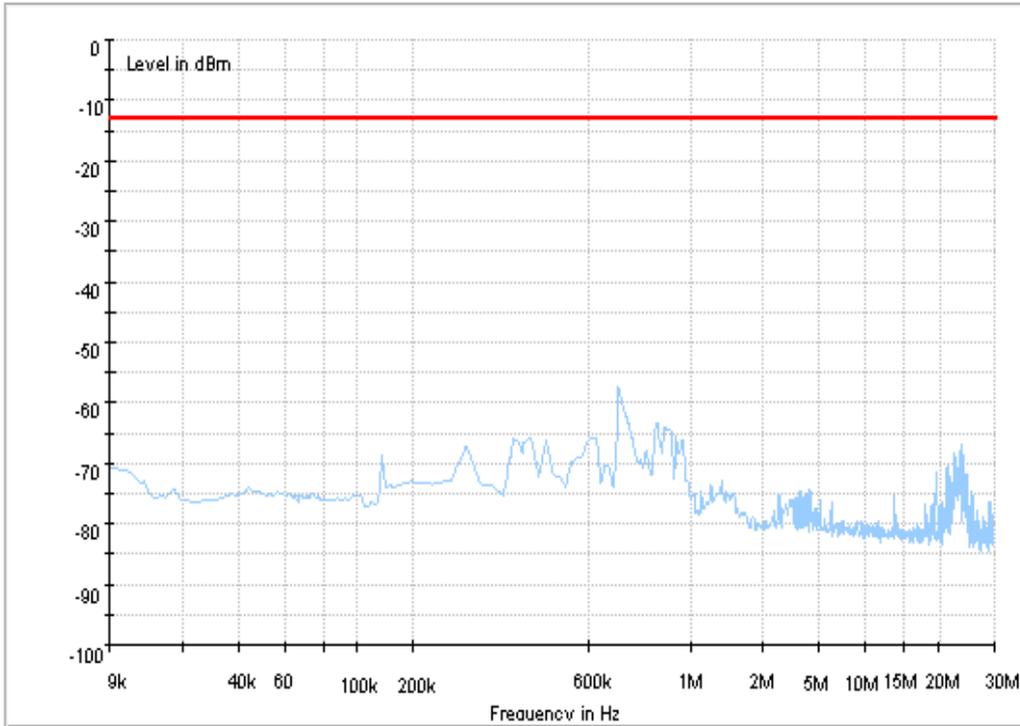


Copy of FCC PART22 GSM850_H

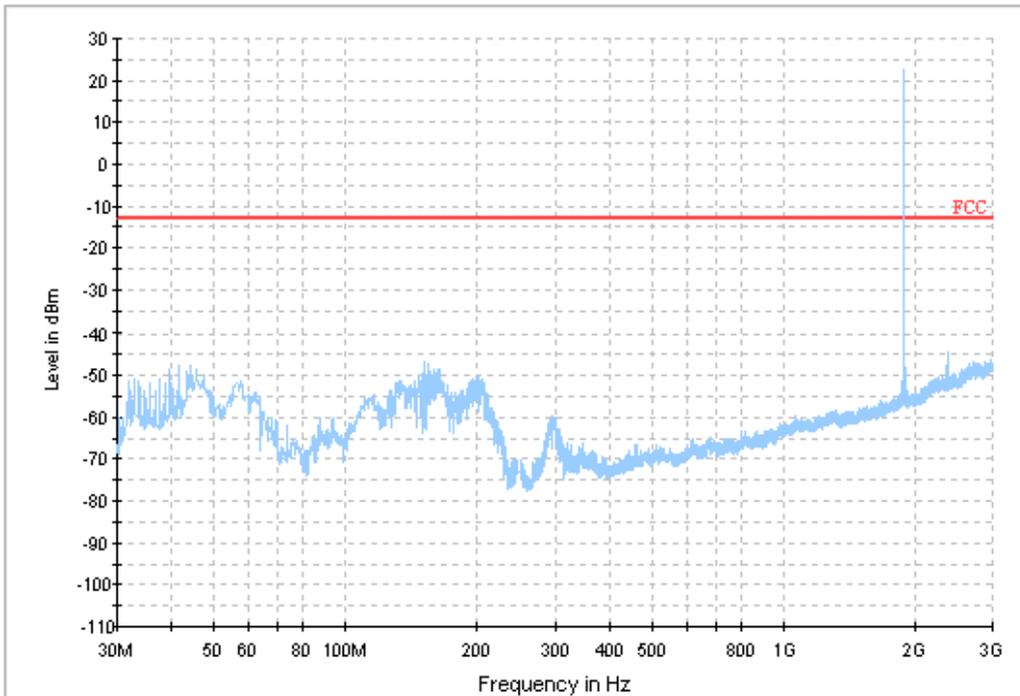


7.1.2 Test Band = GSM1900

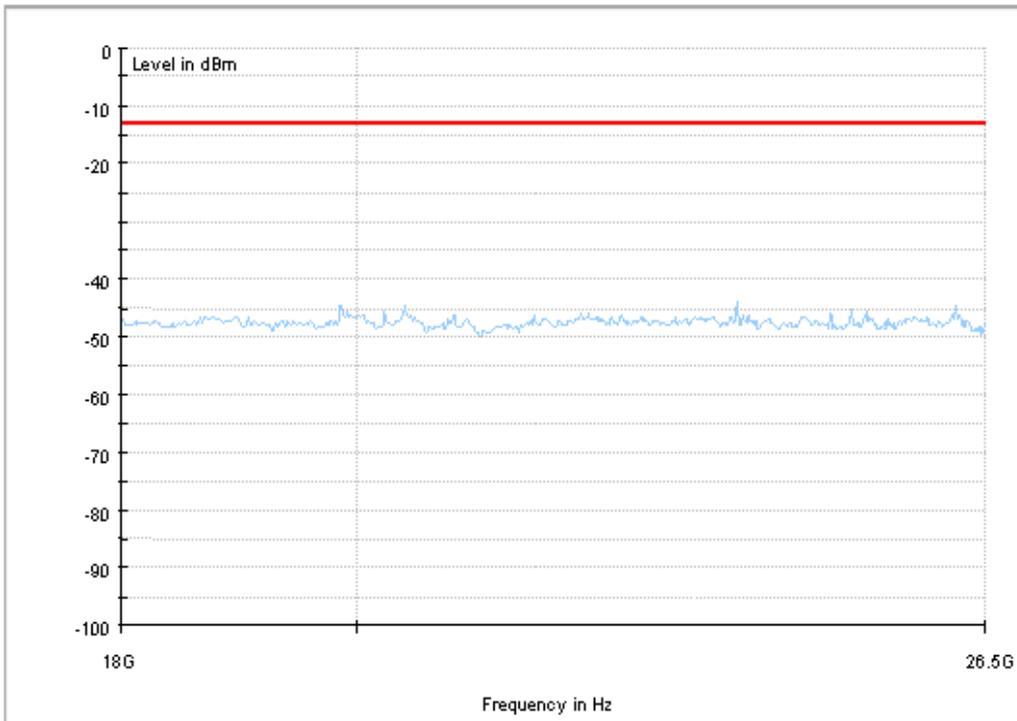
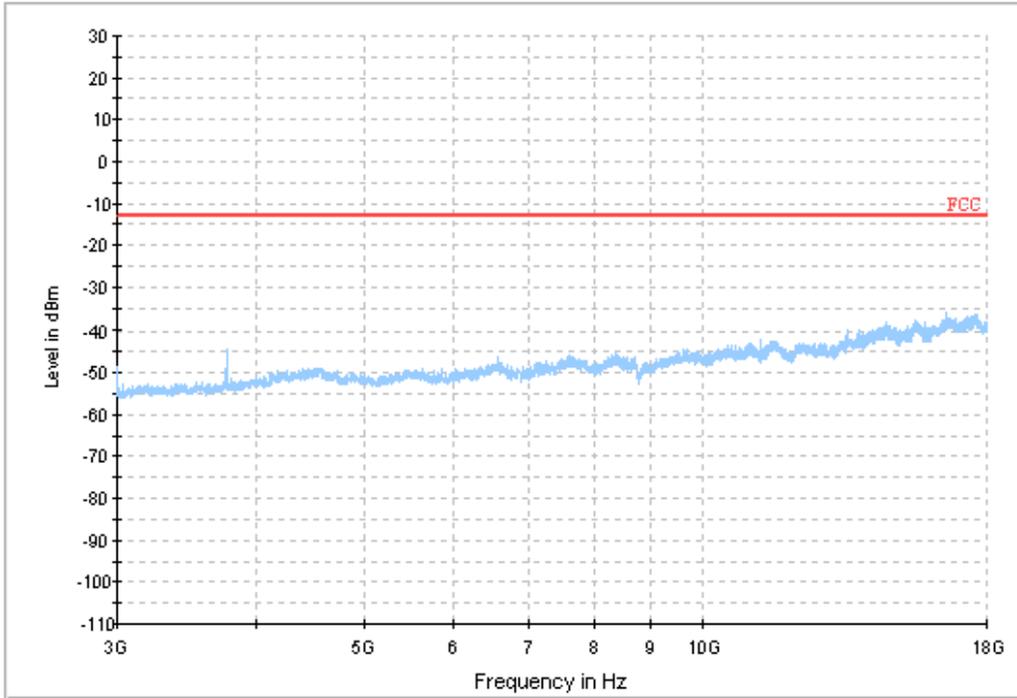
7.1.2.1 Test Mode = GSM/TM1



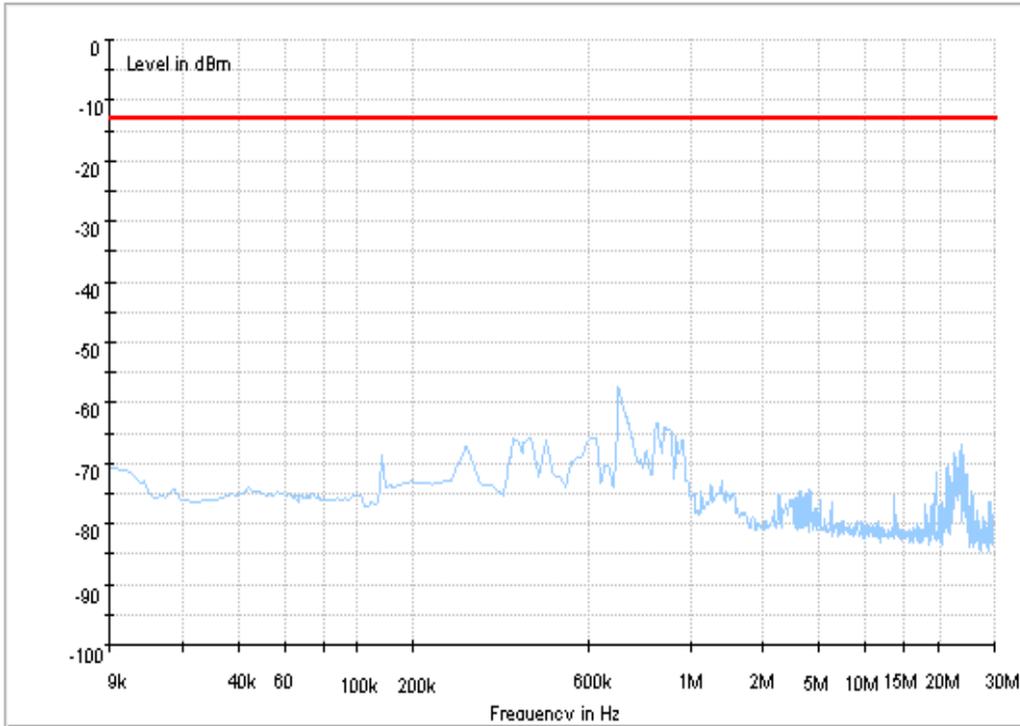
Copy of FCC PART24 GSM1900_L



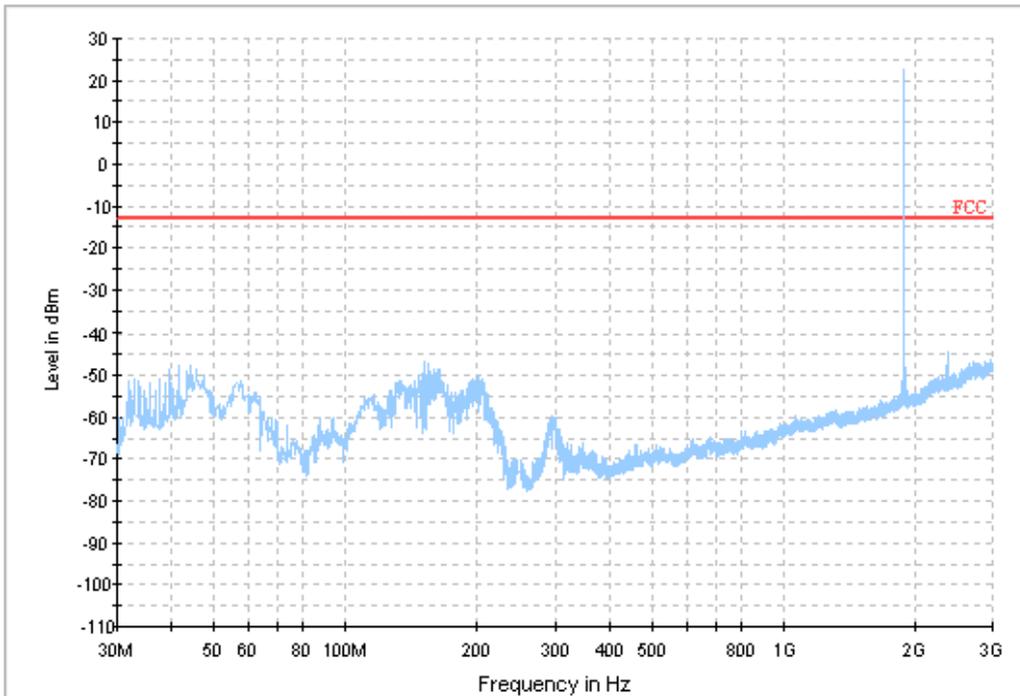
Copy of FCC PART24 GSM1900_H



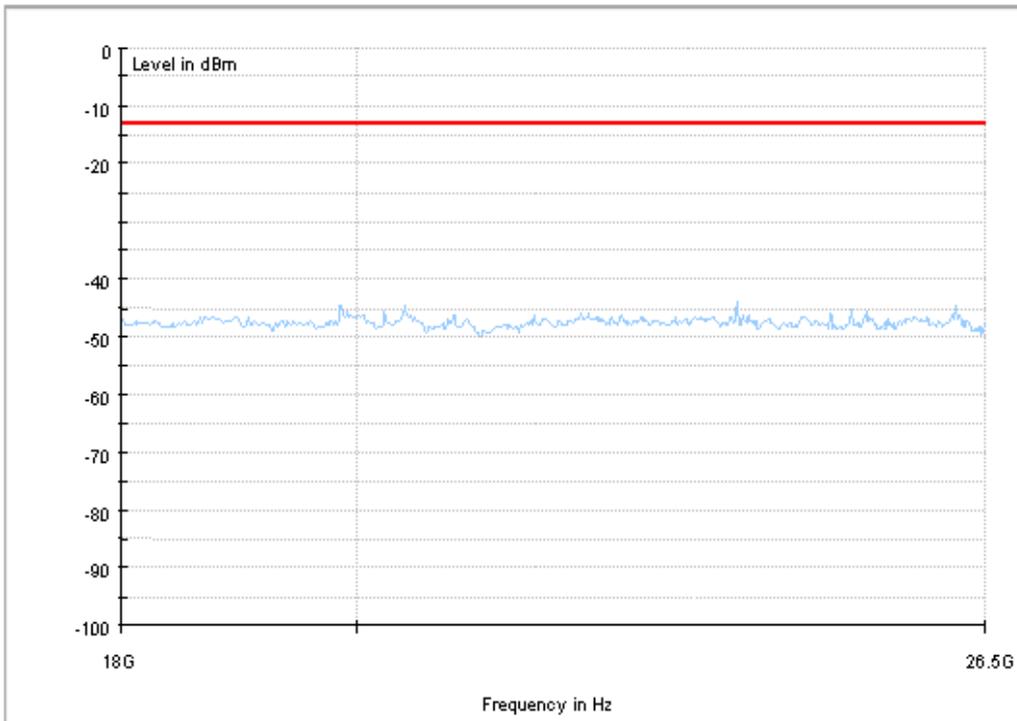
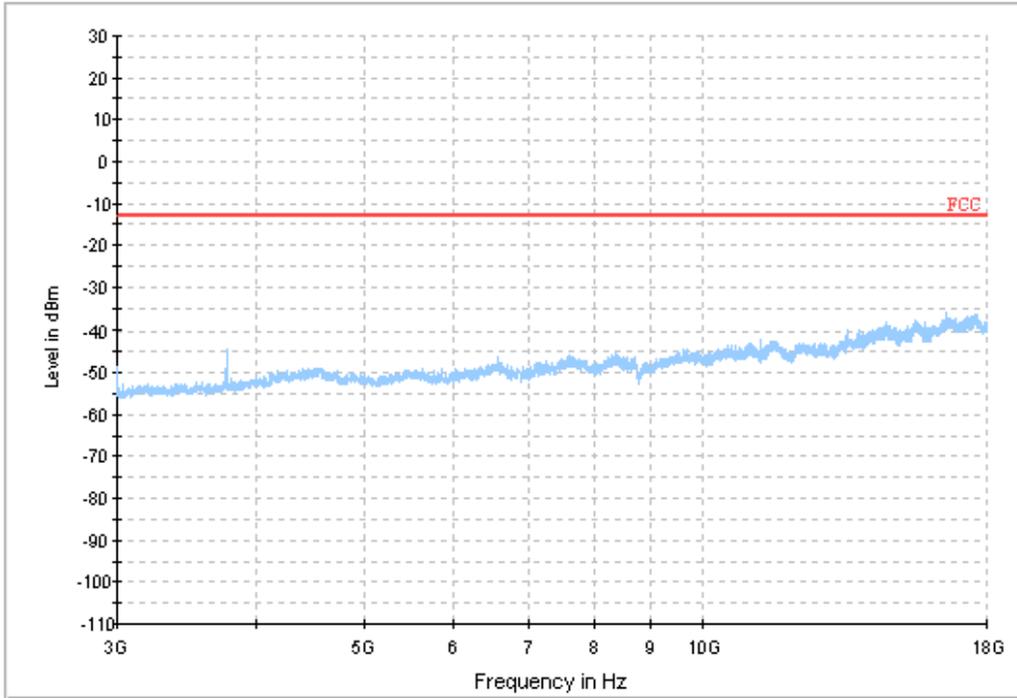
7.1.2.2 Test Mode = GSM/TM2



Copy of FCC PART24 GSM1900_L



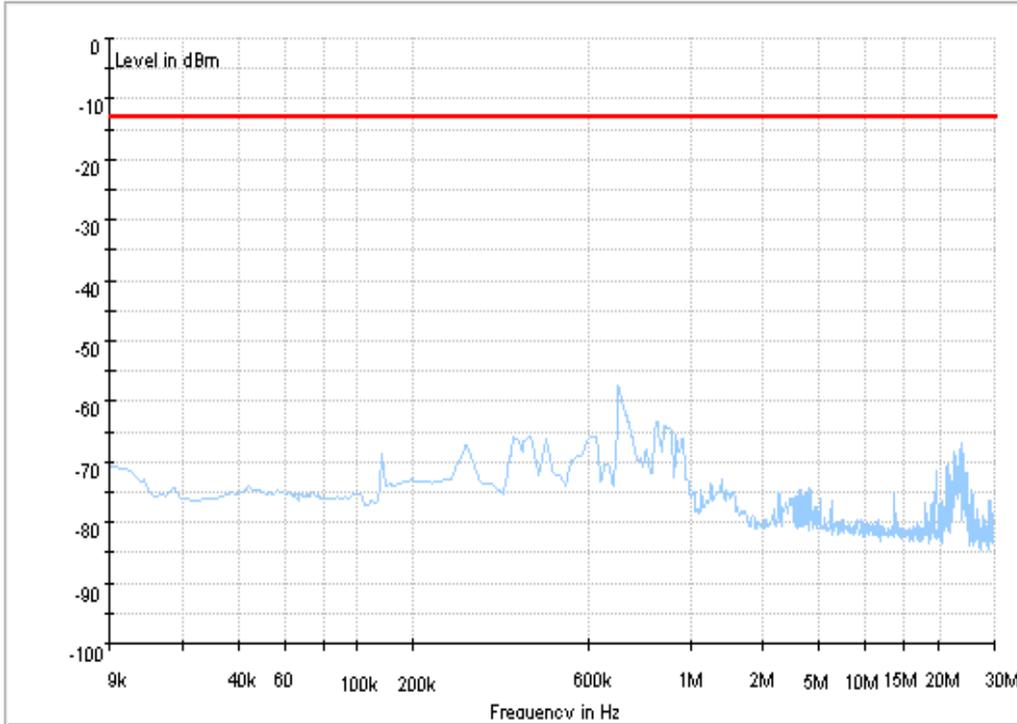
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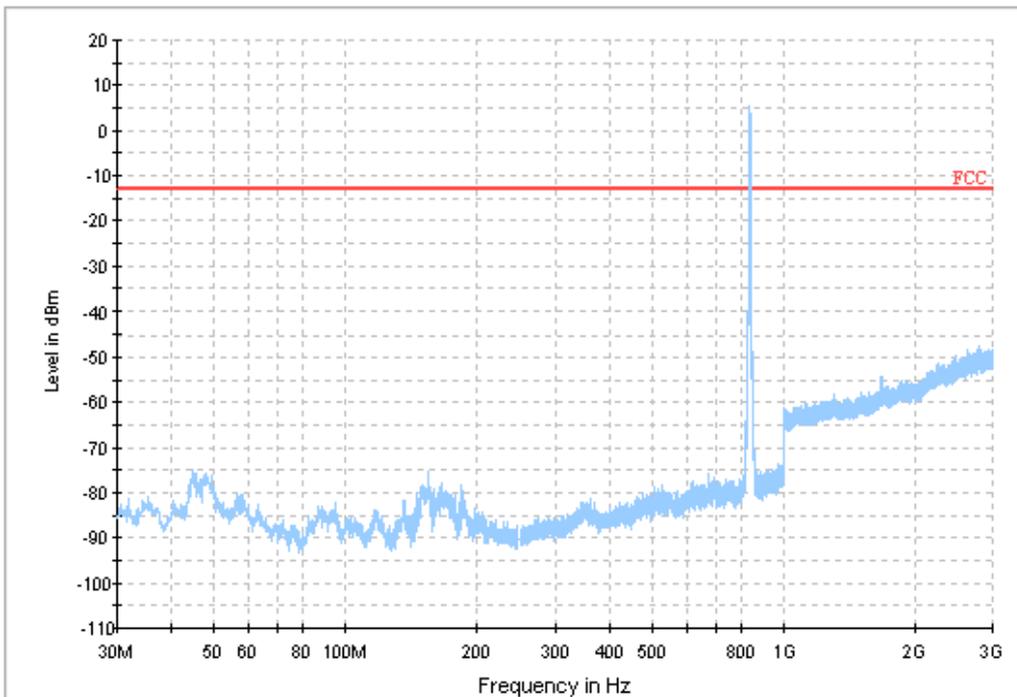
7.2 For UMTS

7.2.1 Test Band = WCDMA850

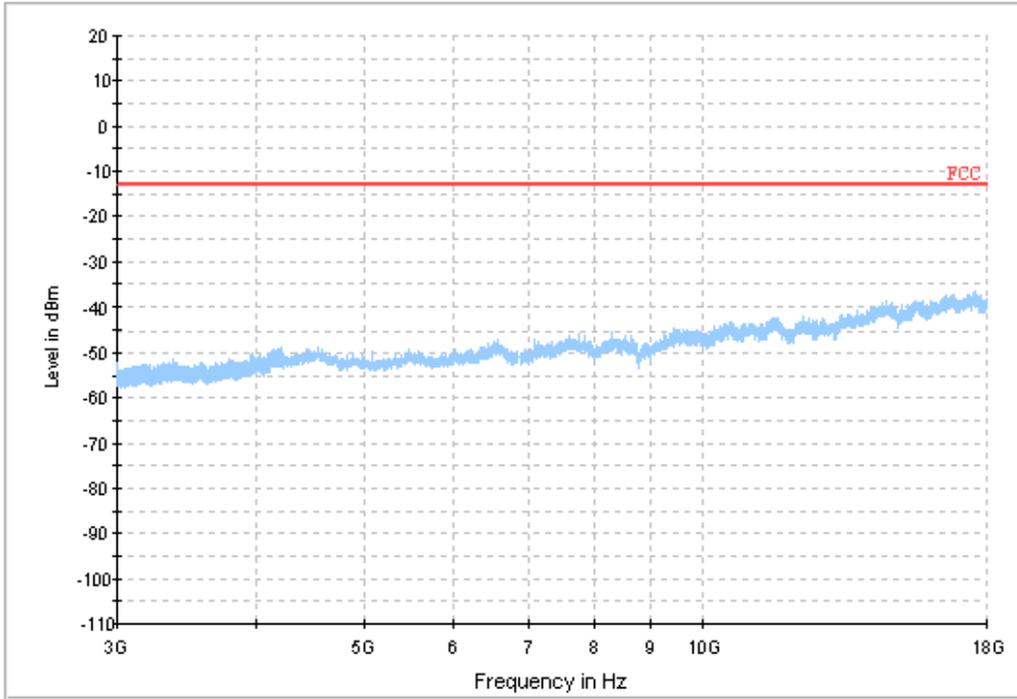
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

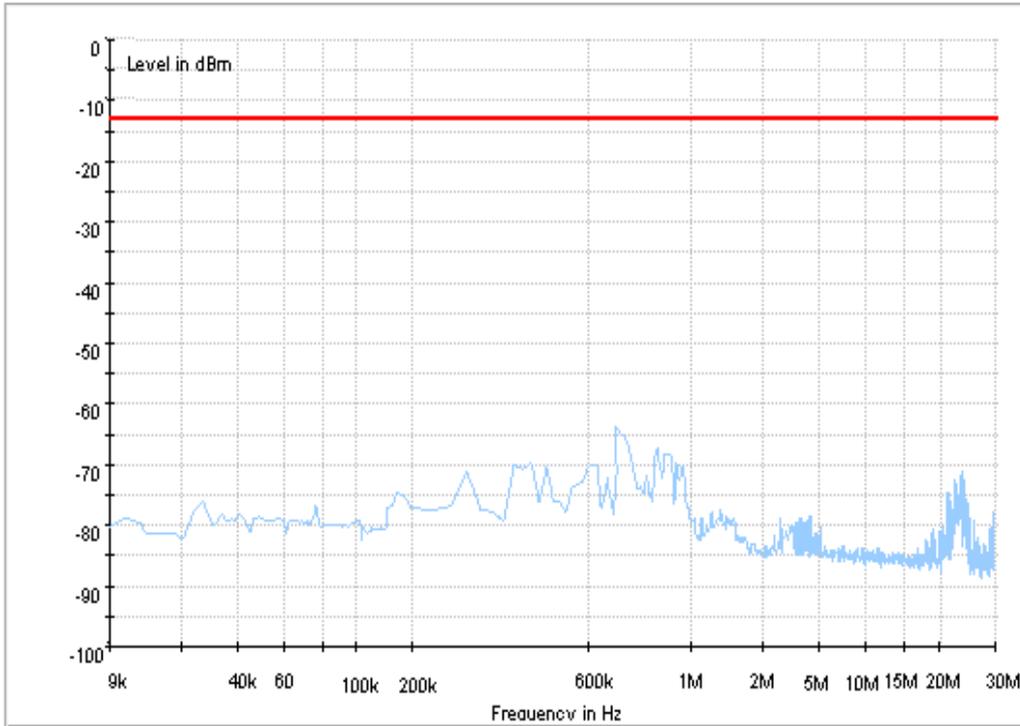


Copy of FCC PART22 WCDMA850_H

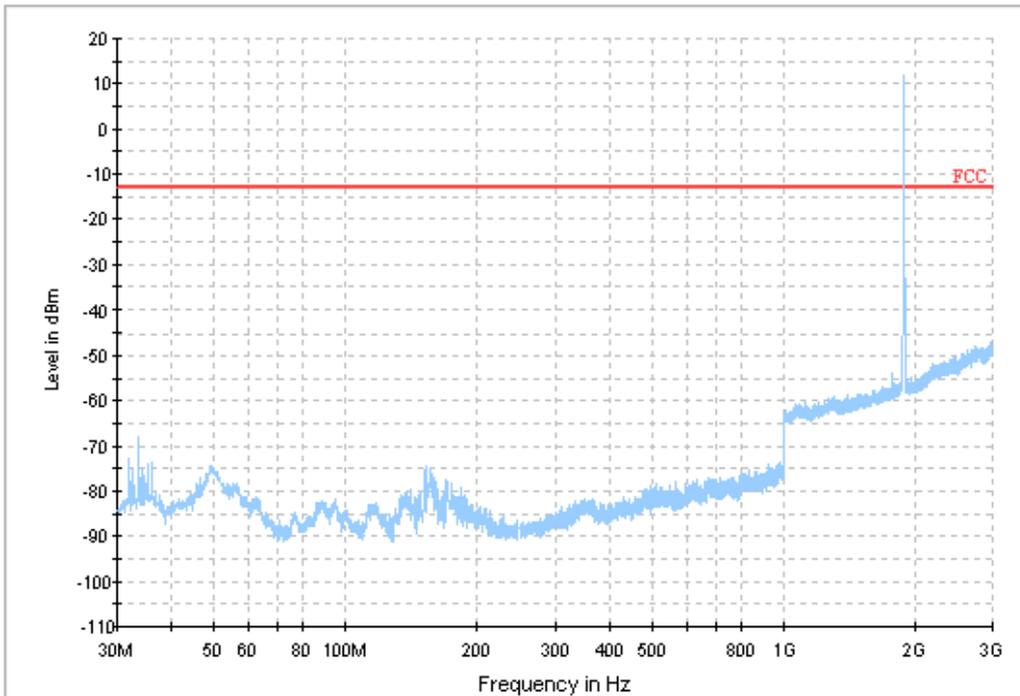


7.2.2 Test Band = WCDMA1900

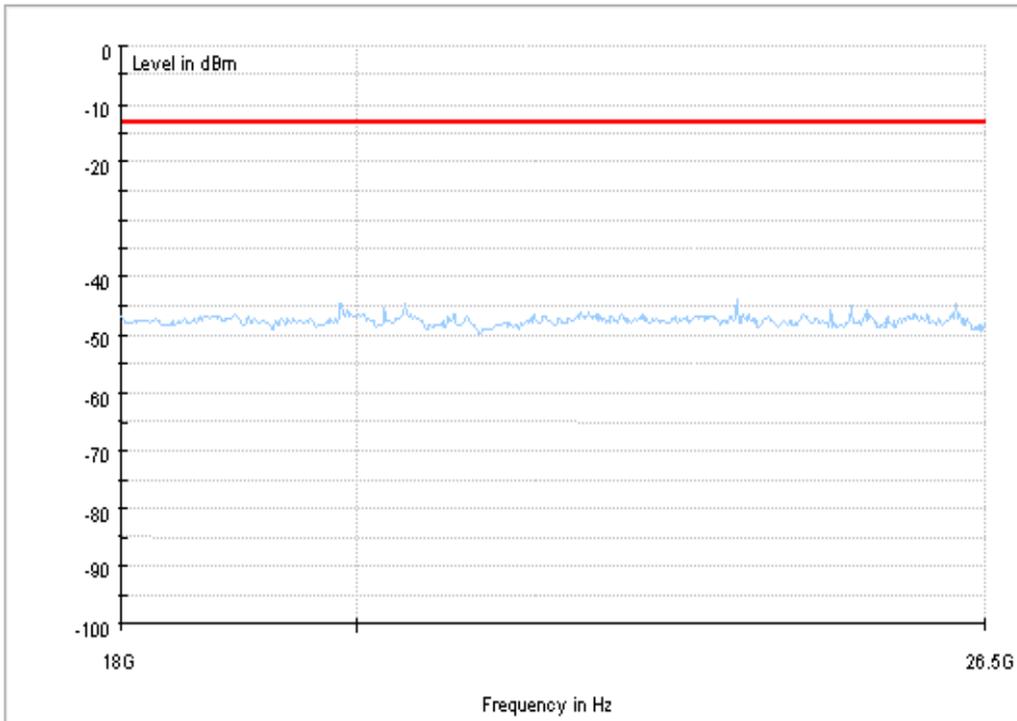
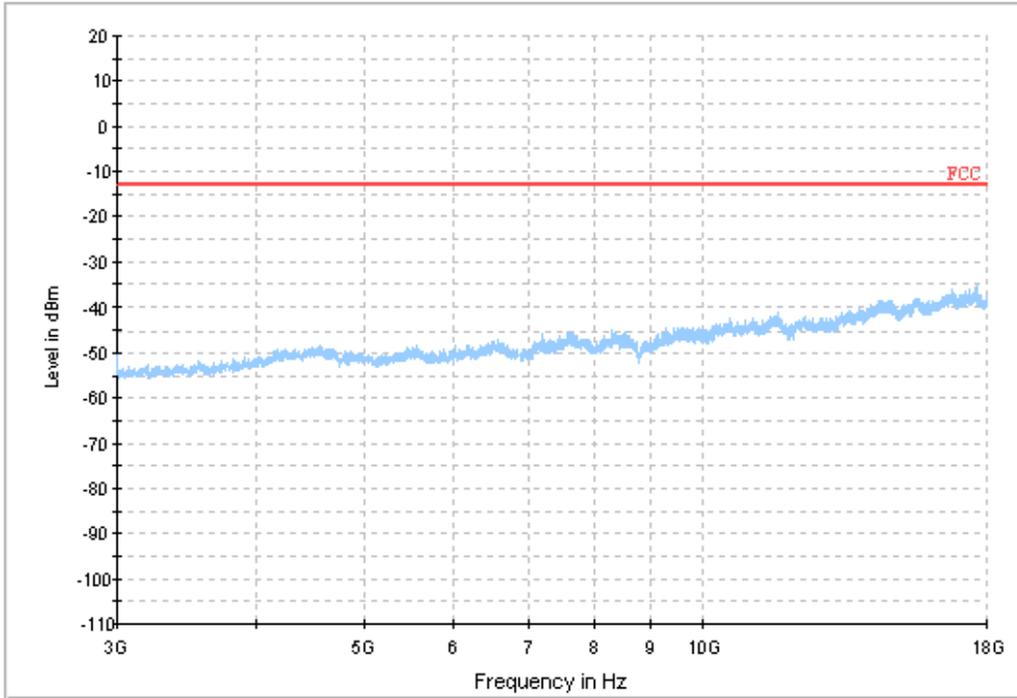
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900_L

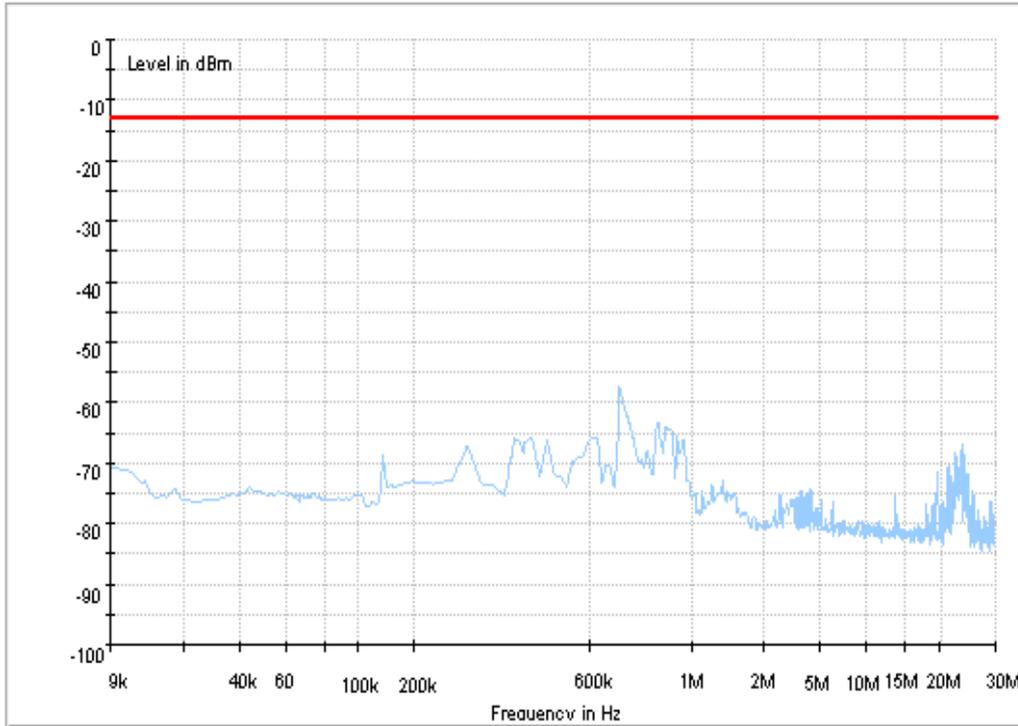


Copy of FCC PART24 WCDMA1900_H

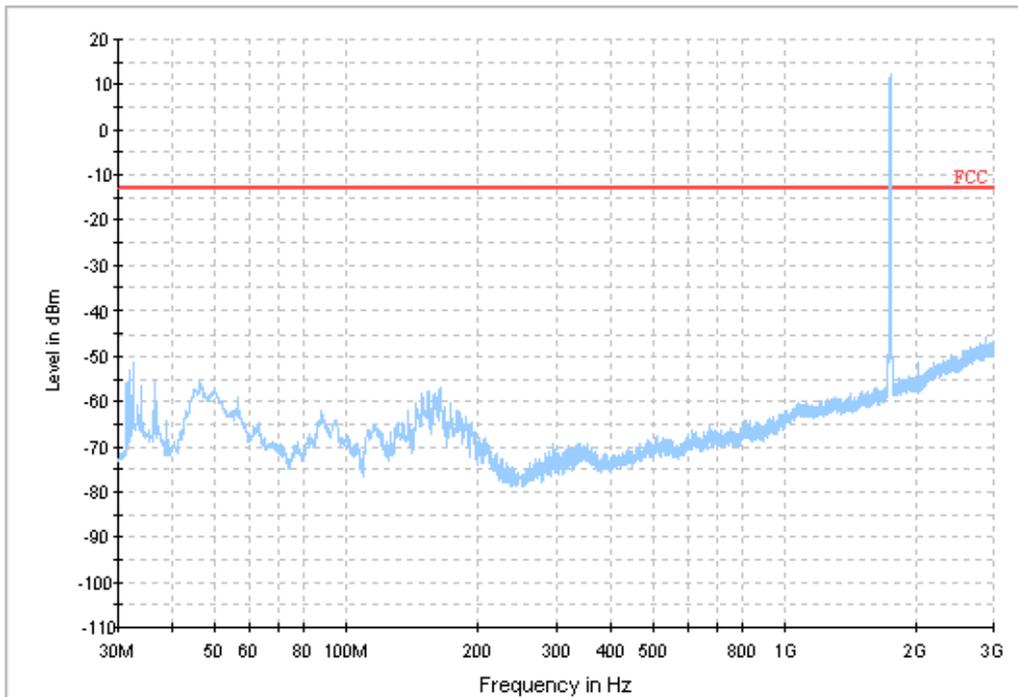


7.2.3 Test Band = WCDMA1700

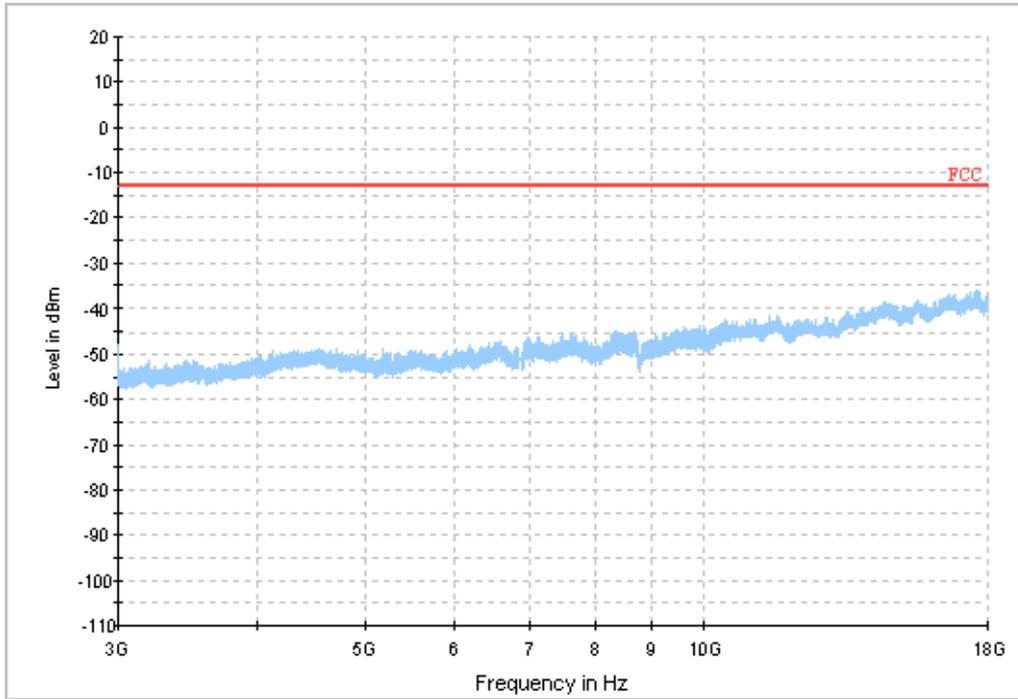
7.2.3.1 Test Mode = UMTS/TM1



Copy of FCC PART27 WCDMA1700_L



Copy of FCC PART27 WCDMA1700_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	8.78	0.01065	PASS
				VN	9.04	0.01097	PASS
				VH	6.2	0.00752	PASS
		MCH	TN	VL	4.97	0.00594	PASS
				VN	0.97	0.00116	PASS
				VH	-0.39	-0.00047	PASS
		HCH	TN	VL	0.58	0.00068	PASS
				VN	0.06	0.00007	PASS
				VH	5.42	0.00639	PASS
	GSM/TM2	LCH	TN	VL	-0.45	-0.00055	PASS
				VN	0.13	0.00016	PASS
				VH	0.71	0.00086	PASS
		MCH	TN	VL	4.29	0.00513	PASS
				VN	5.23	0.00625	PASS
				VH	7.78	0.0093	PASS
		HCH	TN	VL	0.19	0.00022	PASS
				VN	-2.87	-0.00338	PASS
				VH	-5	-0.00589	PASS
GSM1900	GSM/TM1	LCH	TN	VL	30.61	0.01654	PASS
				VN	34.61	0.01871	PASS
				VH	26.93	0.01456	PASS
		MCH	TN	VL	31.58	0.0168	PASS
				VN	32.09	0.01707	PASS
				VH	33.38	0.01776	PASS
		HCH	TN	VL	44.75	0.02343	PASS
				VN	37.45	0.01961	PASS
				VH	33.71	0.01765	PASS
	GSM/TM2	LCH	TN	VL	30.15	0.0163	PASS
				VN	21.37	0.01155	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	23.28	0.01258	PASS
		MCH	TN	VL	25.83	0.01374	PASS
				VN	27.15	0.01444	PASS
				VH	30.83	0.0164	PASS
		HCH	TN	VL	39.91	0.0209	PASS
				VN	51.17	0.02679	PASS
				VH	43	0.02252	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	2.46	0.00298	PASS
				VN	2.55	0.00309	PASS
				VH	1.22	0.00148	PASS
		MCH	TN	VL	0.00	0	PASS
				VN	-0.93	-0.00111	PASS
				VH	-0.85	-0.00102	PASS
		HCH	TN	VL	0.85	0.001	PASS
				VN	0.40	0.00047	PASS
				VH	0.08	0.00009	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-2.49	-0.00134	PASS
				VN	-3.13	-0.00169	PASS
				VH	-2.40	-0.0013	PASS
		MCH	TN	VL	-7.89	-0.0042	PASS
				VN	-2.88	-0.00153	PASS
				VH	-4.14	-0.0022	PASS
		HCH	TN	VL	-8.36	-0.00438	PASS
				VN	-9.74	-0.00511	PASS
				VH	-12.92	-0.00677	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-4.62	-0.0027	PASS
				VN	-4.07	-0.00238	PASS
				VH	-5.81	-0.00339	PASS
		MCH	TN	VL	2.21	0.00128	PASS
				VN	2.21	0.00128	PASS
				VH	-0.79	-0.00046	PASS
		HCH	TN	VL	-5.40	-0.00308	PASS
				VN	-2.61	-0.00149	PASS
				VH	-4.21	-0.0024	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	6.72	0.00815	PASS
				-20	5.81	0.00705	PASS
				-10	2.39	0.0029	PASS
				0	2.78	0.00337	PASS
				10	7.94	0.00963	PASS
				20	5.62	0.00682	PASS
				30	6.65	0.00807	PASS
				40	7.1	0.00861	PASS
				50	8.78	0.01065	PASS
		MCH	VN	-30	10.07	0.01204	PASS
				-20	7.1	0.00849	PASS
				-10	9.75	0.01165	PASS
				0	4.97	0.00594	PASS
				10	8.01	0.00957	PASS
				20	8.52	0.01018	PASS
				30	9.88	0.01181	PASS
				40	8.33	0.00996	PASS
				50	6.65	0.00795	PASS
		HCH	VN	-30	2.2	0.00259	PASS
				-20	4.65	0.00548	PASS
				-10	1.49	0.00176	PASS
				0	-1.03	-0.00121	PASS
				10	-2.52	-0.00297	PASS
				20	2	0.00236	PASS
	30			-1.55	-0.00183	PASS	
	40			1.1	0.0013	PASS	
	50			2.52	0.00297	PASS	
	GSM/TM2	LCH	VN	-30	1.36	0.00165	PASS
				-20	0.19	0.00023	PASS
				-10	-1.52	-0.00184	PASS
				0	-0.1	-0.00012	PASS
				10	2.94	0.00357	PASS
				20	1.97	0.00239	PASS
				30	7.75	0.0094	PASS
				40	0.23	0.00028	PASS
				50	4	0.00485	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	VN	-30	2.39	0.00286	PASS
				-20	-2.74	-0.00328	PASS
				-10	-0.77	-0.00092	PASS
				0	7.33	0.00876	PASS
				10	4.81	0.00575	PASS
				20	0.87	0.00104	PASS
				30	-2.36	-0.00282	PASS
				40	9.88	0.01181	PASS
				50	1.55	0.00185	PASS
		HCH	VN	-30	-0.65	-0.00077	PASS
				-20	-3.87	-0.00456	PASS
				-10	-0.16	-0.00019	PASS
				0	-0.29	-0.00034	PASS
				10	-3	-0.00353	PASS
				20	-4.2	-0.00495	PASS
				30	0.42	0.00049	PASS
				40	0.68	0.0008	PASS
				50	-3.33	-0.00392	PASS
WCDMA850	UMTS/TM1	LCH	VN	-30	-7.78	-0.00941	PASS
				-20	2.08	0.00252	PASS
				-10	-0.4	-0.00048	PASS
				0	1.11	0.00134	PASS
				10	3.57	0.00432	PASS
				20	0.14	0.00017	PASS
				30	3.08	0.00373	PASS
				40	4.29	0.00519	PASS
				50	1.27	0.00154	PASS
		MCH	VN	-30	-4.33	-0.00518	PASS
				-20	-7.28	-0.0087	PASS
				-10	1.11	0.00133	PASS
				0	-0.44	-0.00053	PASS
				10	0.11	0.00013	PASS
				20	5.55	0.00664	PASS
				30	2.88	0.00344	PASS
				40	-1.08	-0.00129	PASS
				50	-7.72	-0.00923	PASS
		HCH	VN	-30	-12.15	-0.01435	PASS
				-20	-13.32	-0.01573	PASS
				-10	5.16	0.00609	PASS
				0	-1.4	-0.00165	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				10	2.58	0.00305	PASS
				20	-1.6	-0.00189	PASS
				30	8.79	0.01038	PASS
				40	3.85	0.00455	PASS
				50	2.3	0.00272	PASS
GSM1900	GSM/TM1	LCH	VN	-30	28.15	0.01521	PASS
				-20	18.79	0.01016	PASS
				-10	16.01	0.00865	PASS
				0	13.5	0.0073	PASS
				10	26.86	0.01452	PASS
				20	20.28	0.01096	PASS
				30	22.41	0.01211	PASS
				40	30.28	0.01637	PASS
				50	21.57	0.01166	PASS
				-30	32.67	0.01738	PASS
		-20	27.51	0.01463	PASS		
		-10	33.77	0.01796	PASS		
		0	31.06	0.01652	PASS		
		10	28.15	0.01497	PASS		
		20	38.23	0.02034	PASS		
		30	25.89	0.01377	PASS		
		40	34.42	0.01831	PASS		
		50	29.83	0.01587	PASS		
		-30	42.36	0.02218	PASS		
		-20	39.07	0.02046	PASS		
	-10	38.1	0.01995	PASS			
	0	36.48	0.0191	PASS			
	10	41.33	0.02164	PASS			
	20	45.72	0.02394	PASS			
	30	45.01	0.02357	PASS			
	40	44.36	0.02323	PASS			
	50	43	0.02252	PASS			
	-30	19.63	0.01061	PASS			
	-20	26.54	0.01434	PASS			
	-10	33.93	0.01834	PASS			
	0	23.02	0.01244	PASS			
	10	18.92	0.01023	PASS			
	20	14.69	0.00794	PASS			
	30	13.17	0.00712	PASS			
	40	4.62	0.0025	PASS			



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	VN	50	15.56	0.00841	PASS
				-30	25.34	0.01348	PASS
				-20	38.78	0.02063	PASS
				-10	25.86	0.01376	PASS
				0	22.76	0.01211	PASS
				10	32.38	0.01722	PASS
				20	37.23	0.0198	PASS
				30	26.93	0.01432	PASS
				40	28.93	0.01539	PASS
		50	35.06	0.01865	PASS		
		HCH	VN	-30	41.75	0.02186	PASS
				-20	42.81	0.02242	PASS
				-10	25.76	0.01349	PASS
				0	44.23	0.02316	PASS
				10	41.81	0.02189	PASS
				20	43.81	0.02294	PASS
				30	31.19	0.01633	PASS
				40	41.87	0.02192	PASS
50	40.2			0.02105	PASS		
WCDMA1900	UMTS/TM1	LCH	VN	-30	-5.42	-0.00293	PASS
				-20	1.72	0.00093	PASS
				-10	5.87	0.00317	PASS
				0	9.51	0.00513	PASS
				10	-6.13	-0.00331	PASS
				20	0.55	0.0003	PASS
				30	11.22	0.00606	PASS
				40	4.59	0.00248	PASS
				50	6.74	0.00364	PASS
		MCH	VN	-30	-6.84	-0.00364	PASS
				-20	3.71	0.00197	PASS
				-10	0.32	0.00017	PASS
				0	-10.12	-0.00538	PASS
				10	-0.56	-0.0003	PASS
				20	-7.13	-0.00379	PASS
				30	8.94	0.00476	PASS
				40	7.9	0.0042	PASS
				50	7.64	0.00406	PASS
		HCH	VN	-30	3.4	0.00178	PASS
				-20	13.06	0.00685	PASS
				-10	3.51	0.00184	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				0	4.58	0.0024	PASS
				10	3.91	0.00205	PASS
				20	-2.98	-0.00156	PASS
				30	4.9	0.00257	PASS
				40	7	0.00367	PASS
				50	-0.03	-0.00002	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	12.7	0.00742	PASS
				-20	-0.37	-0.00022	PASS
				-10	-1.75	-0.00102	PASS
				0	1.71	0.001	PASS
				10	0.44	0.00026	PASS
				20	-0.47	-0.00027	PASS
				30	6.65	0.00388	PASS
				40	0.92	0.00054	PASS
				50	0.11	0.00006	PASS
		MCH	VN	-30	14.68	0.00847	PASS
				-20	5.19	0.003	PASS
				-10	3.05	0.00176	PASS
				0	0.49	0.00028	PASS
				10	-0.46	-0.00027	PASS
				20	3.54	0.00204	PASS
				30	5.52	0.00319	PASS
				40	2.4	0.00139	PASS
				50	-5.87	-0.00339	PASS
		HCH	VN	-30	9.2	0.00525	PASS
				-20	-1.36	-0.00078	PASS
				-10	-5.26	-0.003	PASS
				0	2.08	0.00119	PASS
				10	-0.58	-0.00033	PASS
				20	0.56	0.00032	PASS
				30	5.84	0.00333	PASS
				40	0.52	0.0003	PASS
				50	5.34	0.00305	PASS

END