



Appendix for GSM&WCDMA

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	32.58	29.74	38.5	PASS
		MCH	32.58	29.74	38.5	PASS
		HCH	32.43	29.59	38.5	PASS
	GSM/TM2	LCH	26.45	23.61	38.5	PASS
		MCH	26.43	23.59	38.5	PASS
		HCH	26.44	23.6	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.43	30.54	33	PASS
		MCH	29.28	30.39	33	PASS
		HCH	29.56	30.67	33	PASS
	GSM/TM2	LCH	25.94	27.05	33	PASS
		MCH	25.92	27.03	33	PASS



Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		HCH	25.9	27.01	33	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
WCDMA850	UMTS/TM1	LCH	23.56	20.72	38.5	PASS
		MCH	23.54	20.7	38.5	PASS
		HCH	23.4	20.56	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
WCDMA1900	UMTS/TM1	LCH	22.93	24.04	30	PASS
		MCH	22.69	23.8	30	PASS
		HCH	22.75	23.86	30	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:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

$$\text{SET VBW} \geq 3 * \text{RBW}$$

SET Sweep time=auto-couple.

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	0.15	13	PASS
		MCH	0.16	13	PASS
		HCH	0.15	13	PASS
	GSM/TM2	LCH	3	13	PASS
		MCH	2.9	13	PASS
		HCH	2.84	13	PASS
GSM1900	GSM/TM1	LCH	0.14	13	PASS
		MCH	0.13	13	PASS
		HCH	0.14	13	PASS
	GSM/TM2	LCH	2.76	13	PASS
		MCH	2.8	13	PASS
		HCH	2.69	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA850	UMTS/TM1	LCH	3.14	13	PASS
		MCH	3.11	13	PASS
		HCH	3.2	13	PASS
	UMTS/TM2	LCH	3.28	13	PASS
		MCH	3.25	13	PASS
		HCH	3.31	13	PASS
WCDMA1900	UMTS/TM1	LCH	2.99	13	PASS
		MCH	2.99	13	PASS
		HCH	2.92	13	PASS
	UMTS/TM2	LCH	3.2	13	PASS
		MCH	3.2	13	PASS
		HCH	3.16	13	PASS

3Appendix_C: Modulation Characteristics

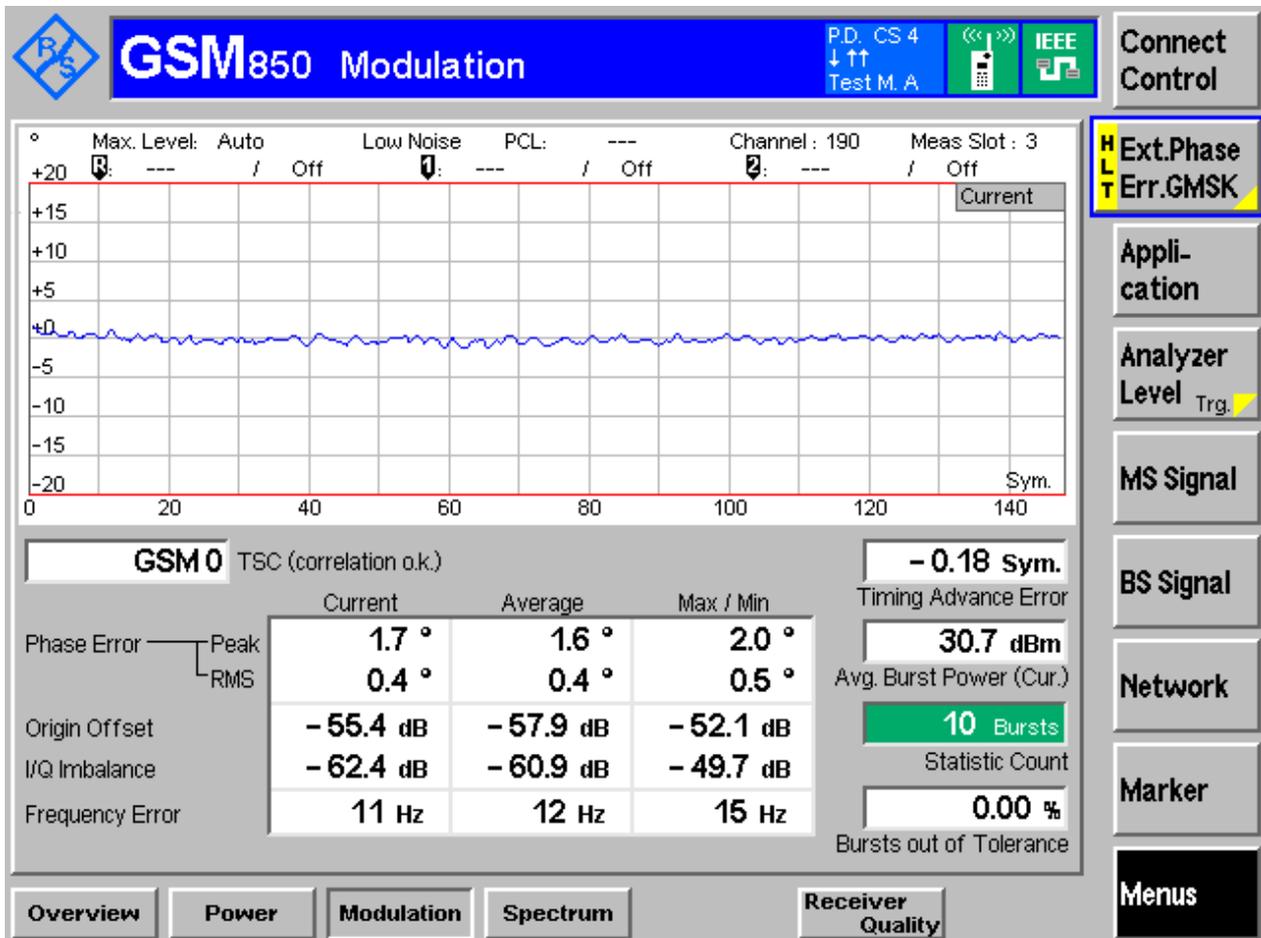
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

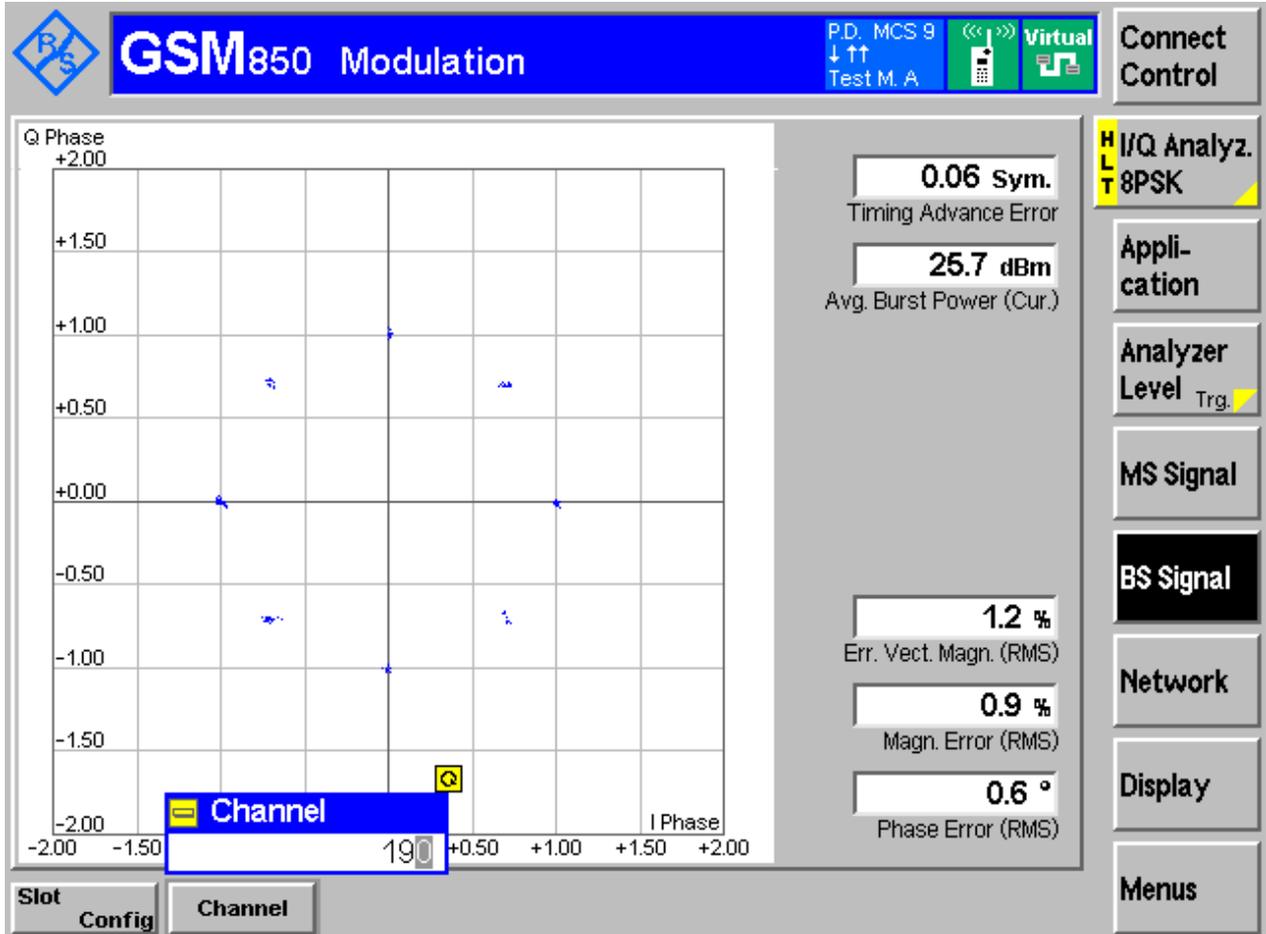
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

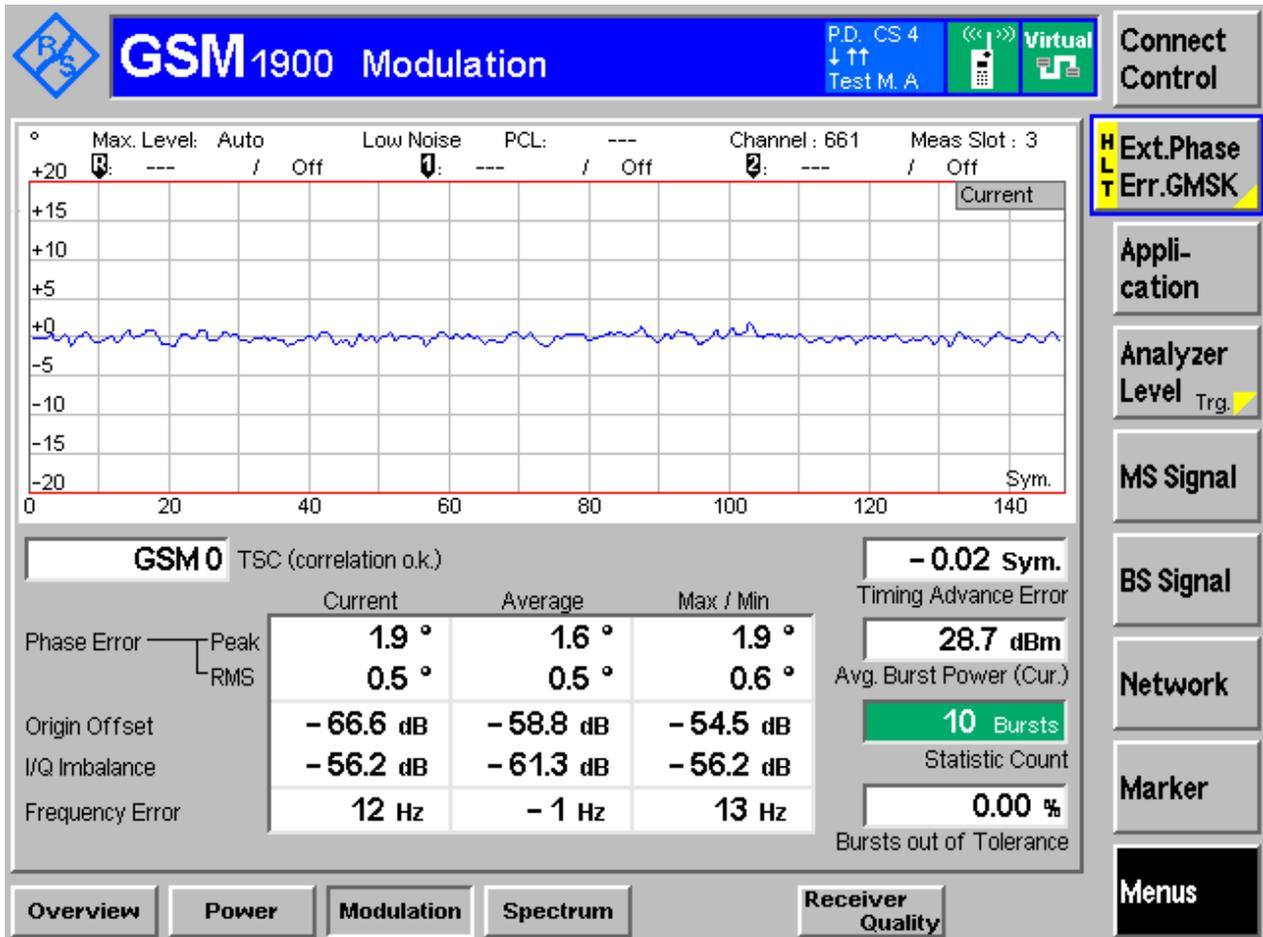
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

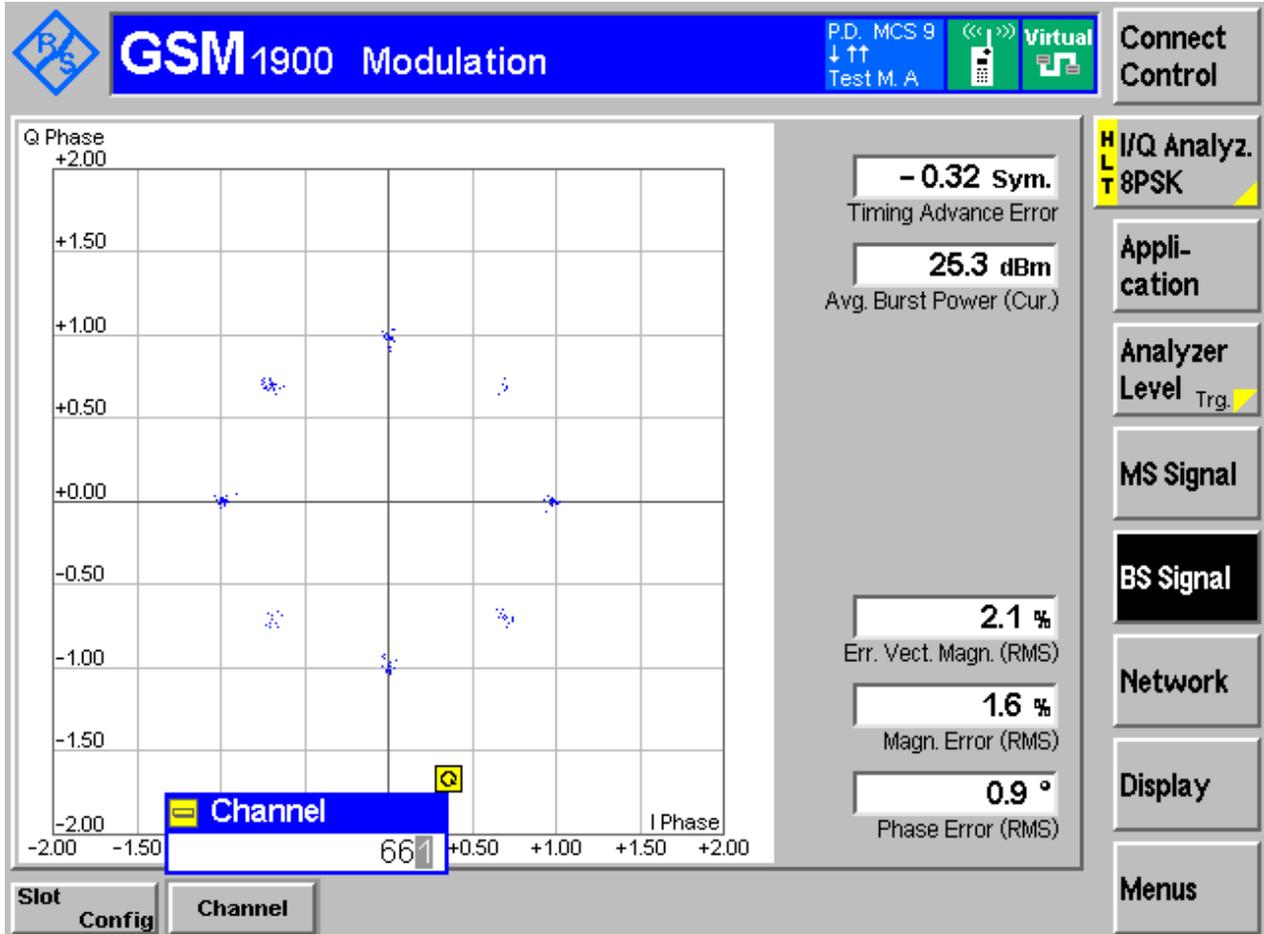
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

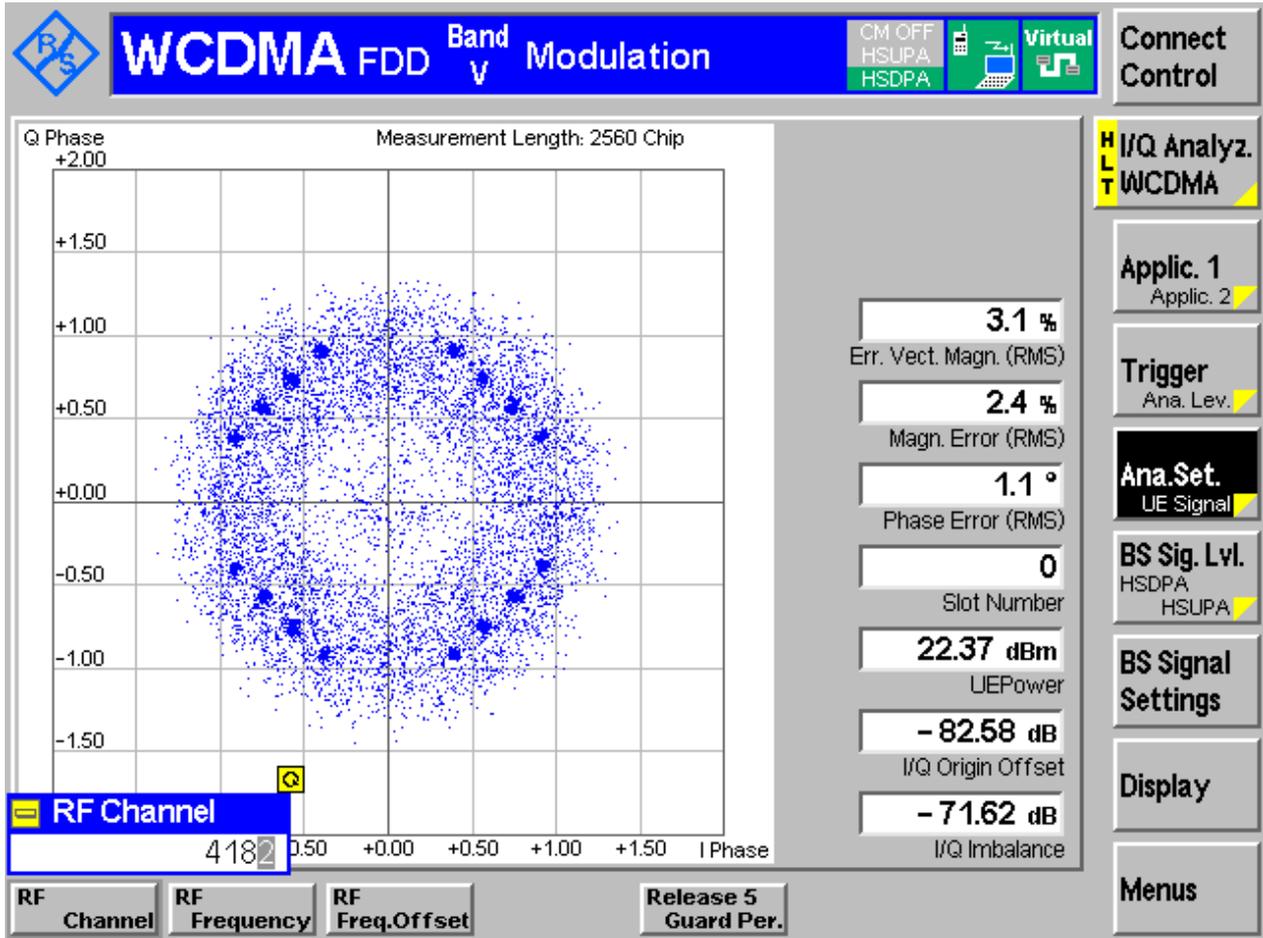


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

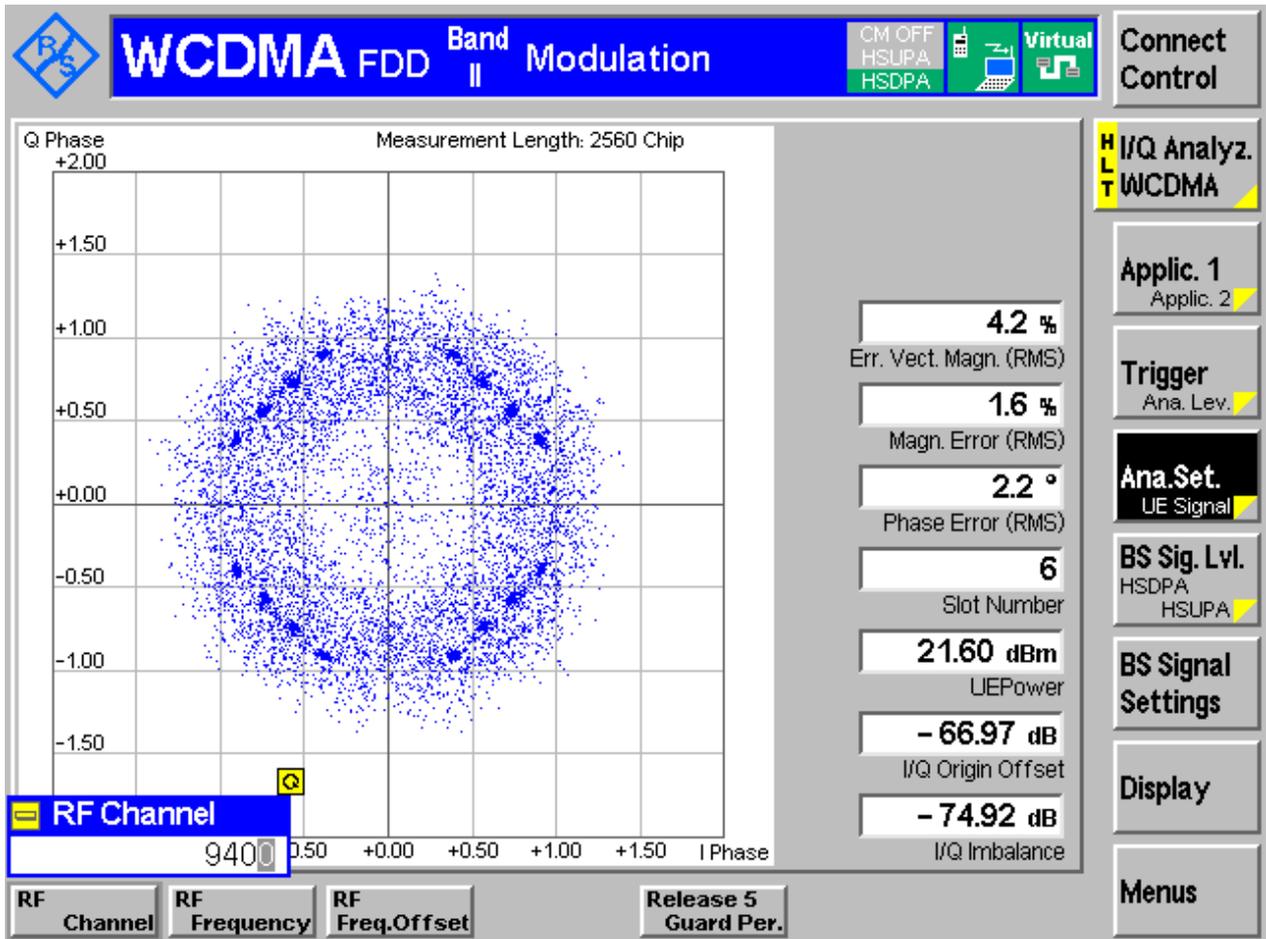
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

3.2.2.1.1 Test Channel = MCH



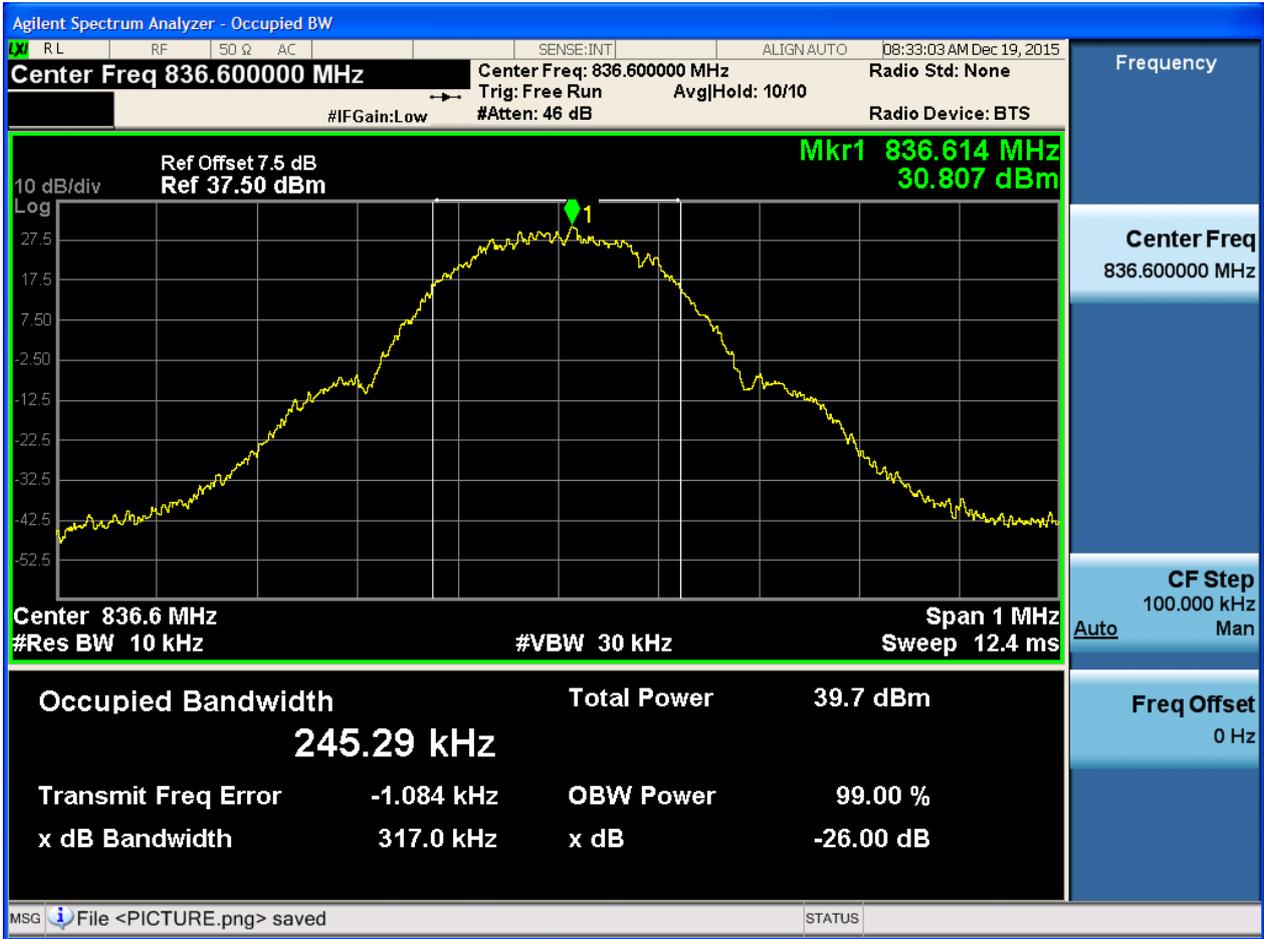
4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	243.12	319.50	Pass
		MCH	245.29	316.99	Pass
		HCH	246.62	313.15	Pass
	GSM/TM2	LCH	249.79	322.13	Pass
		MCH	249.26	309.74	Pass
		HCH	246.79	316.59	Pass
GSM1900	GSM/TM1	LCH	242.85	310.35	Pass
		MCH	247.26	308.24	Pass
		HCH	245.47	309.96	Pass
	GSM/TM2	LCH	252.10	322.33	Pass
		MCH	255.03	316.75	Pass
		HCH	250.29	325.96	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.15	4.69	Pass
		MCH	4.16	4.68	Pass
		HCH	4.15	4.68	Pass
WCDMA1900	UMTS/TM1	LCH	4.16	4.70	Pass
		MCH	4.15	4.69	Pass
		HCH	4.15	4.69	Pass

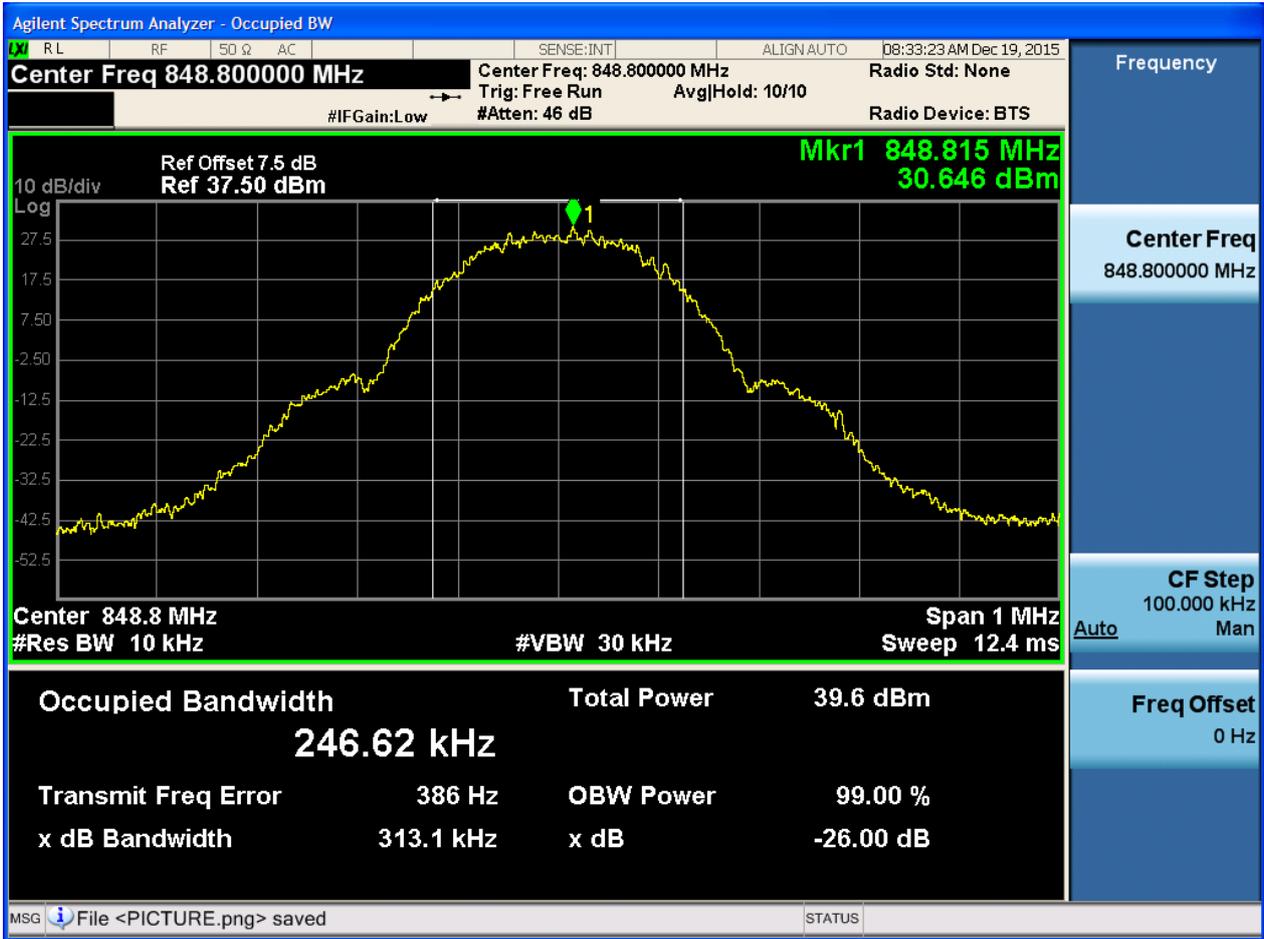


4.1.1.1.2 Test Channel = MCH





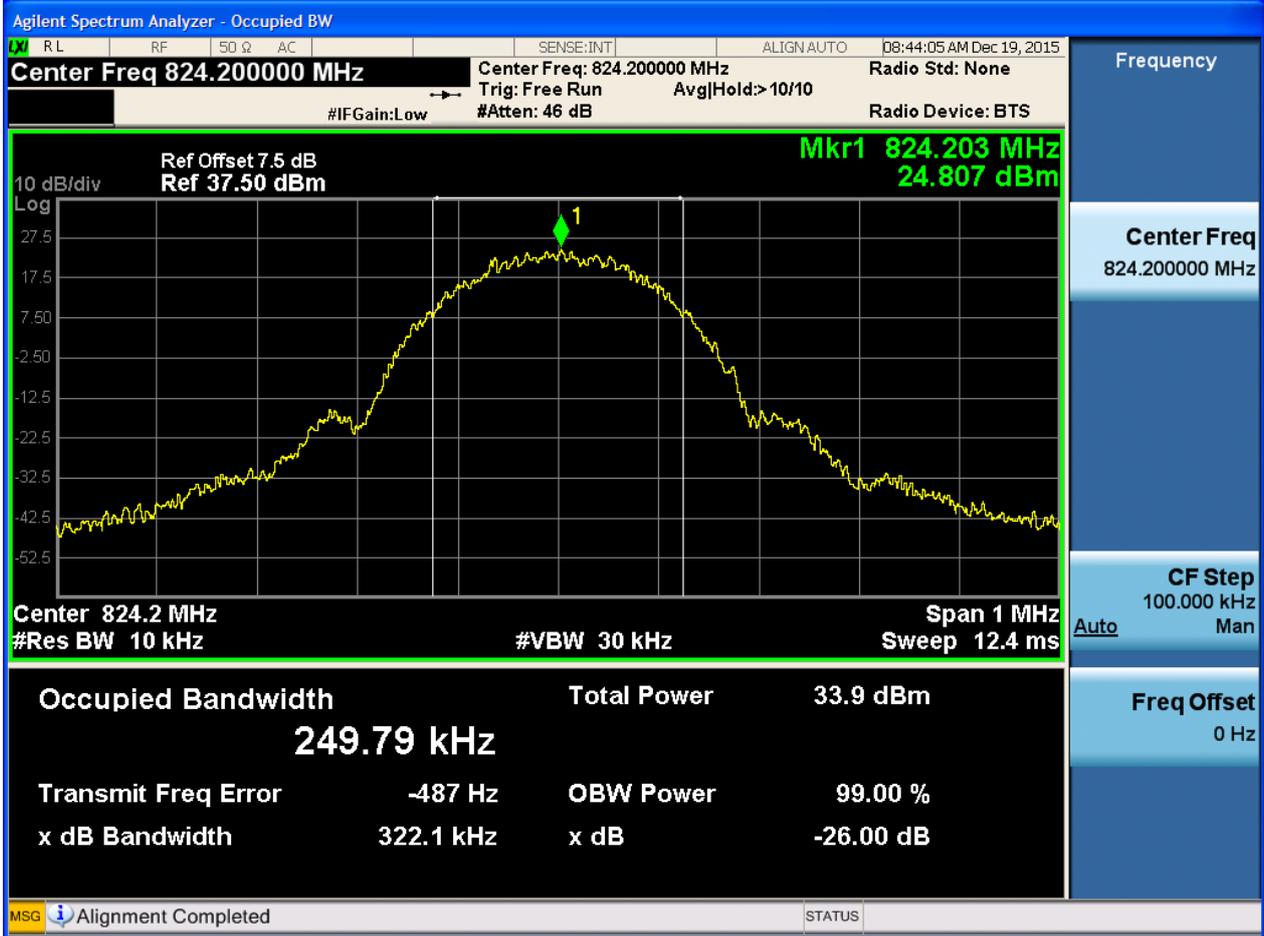
4.1.1.1.3 Test Channel = HCH





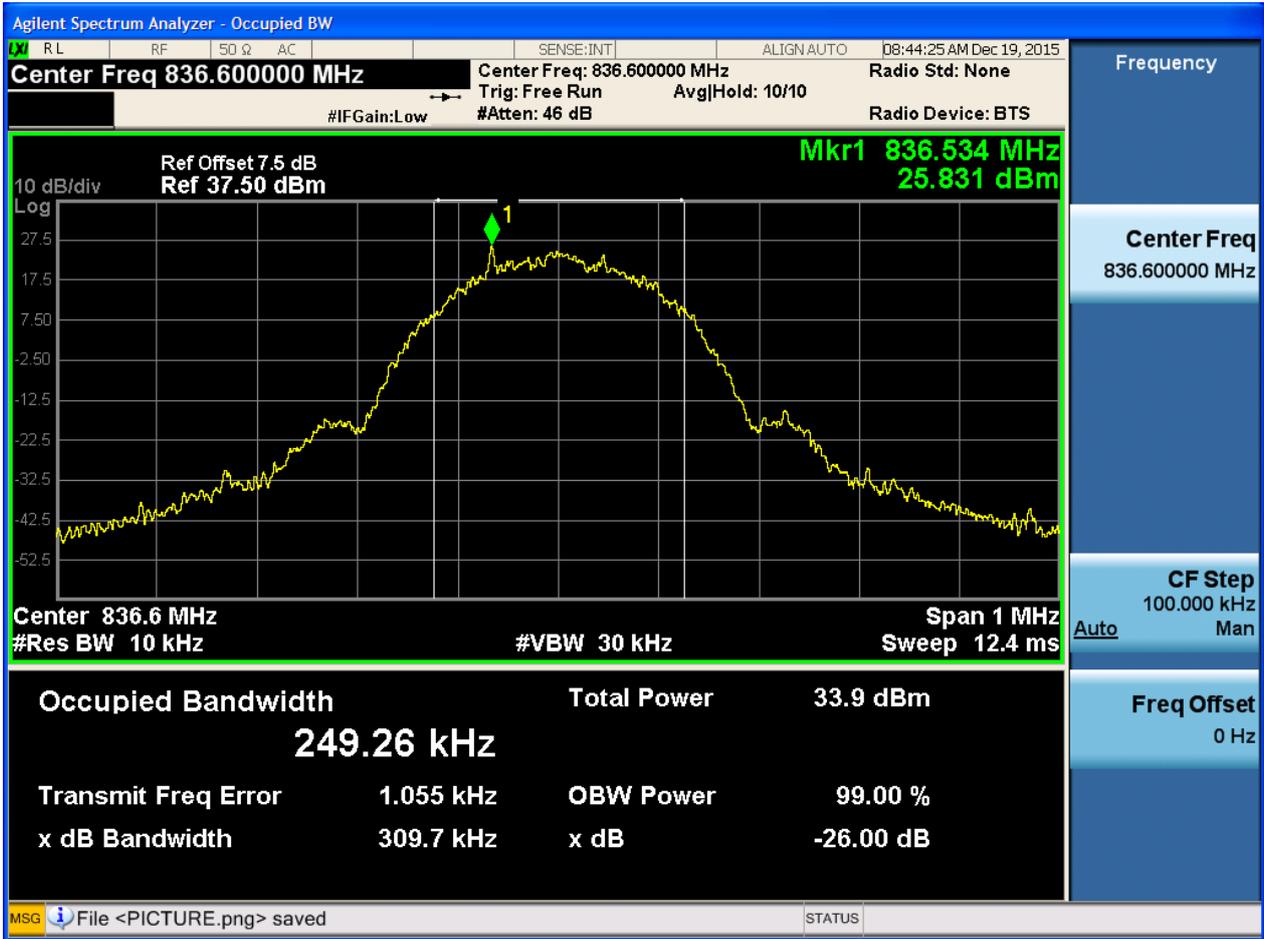
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



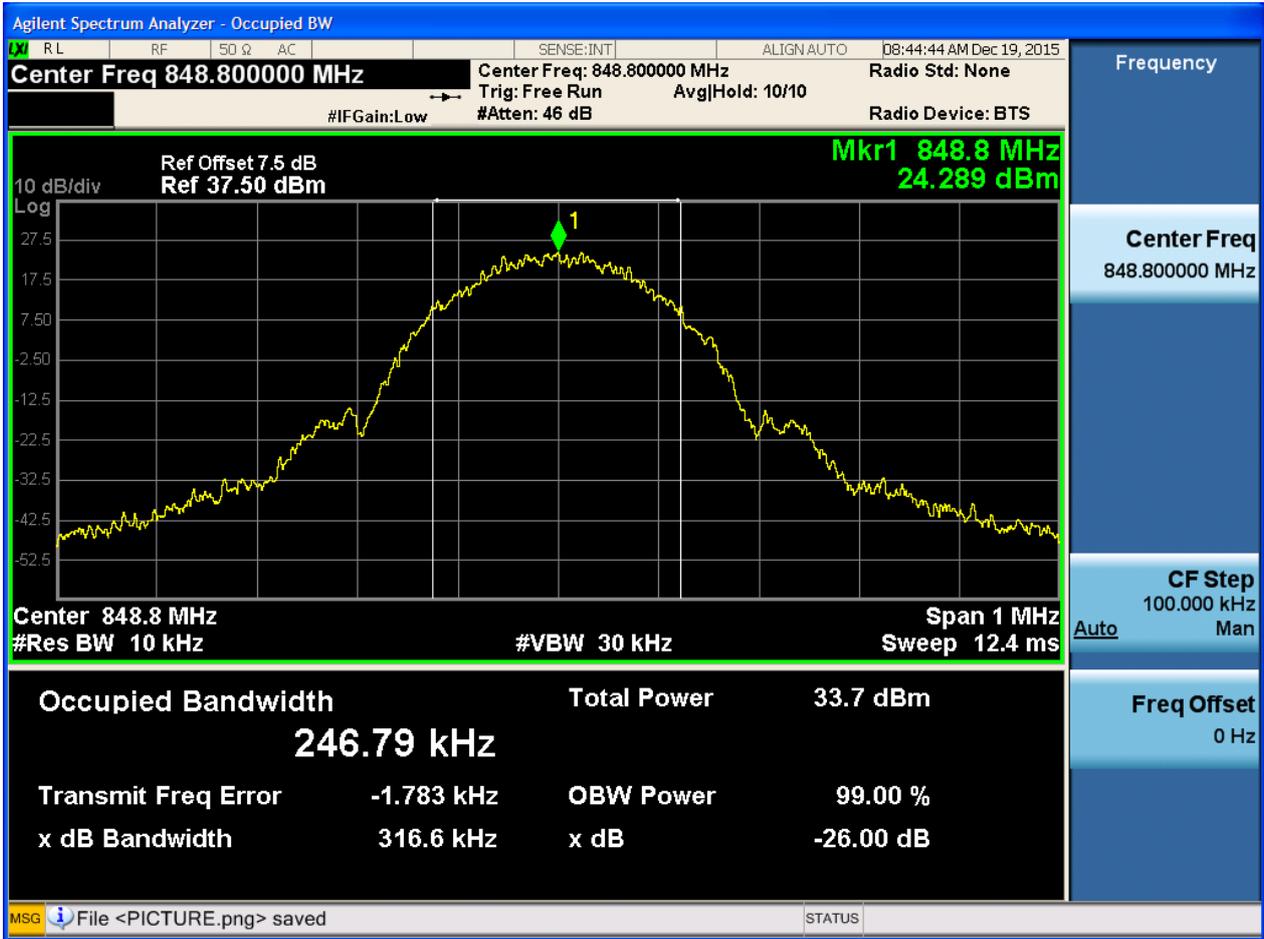


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH





4.1.2 Test Band = GSM1900

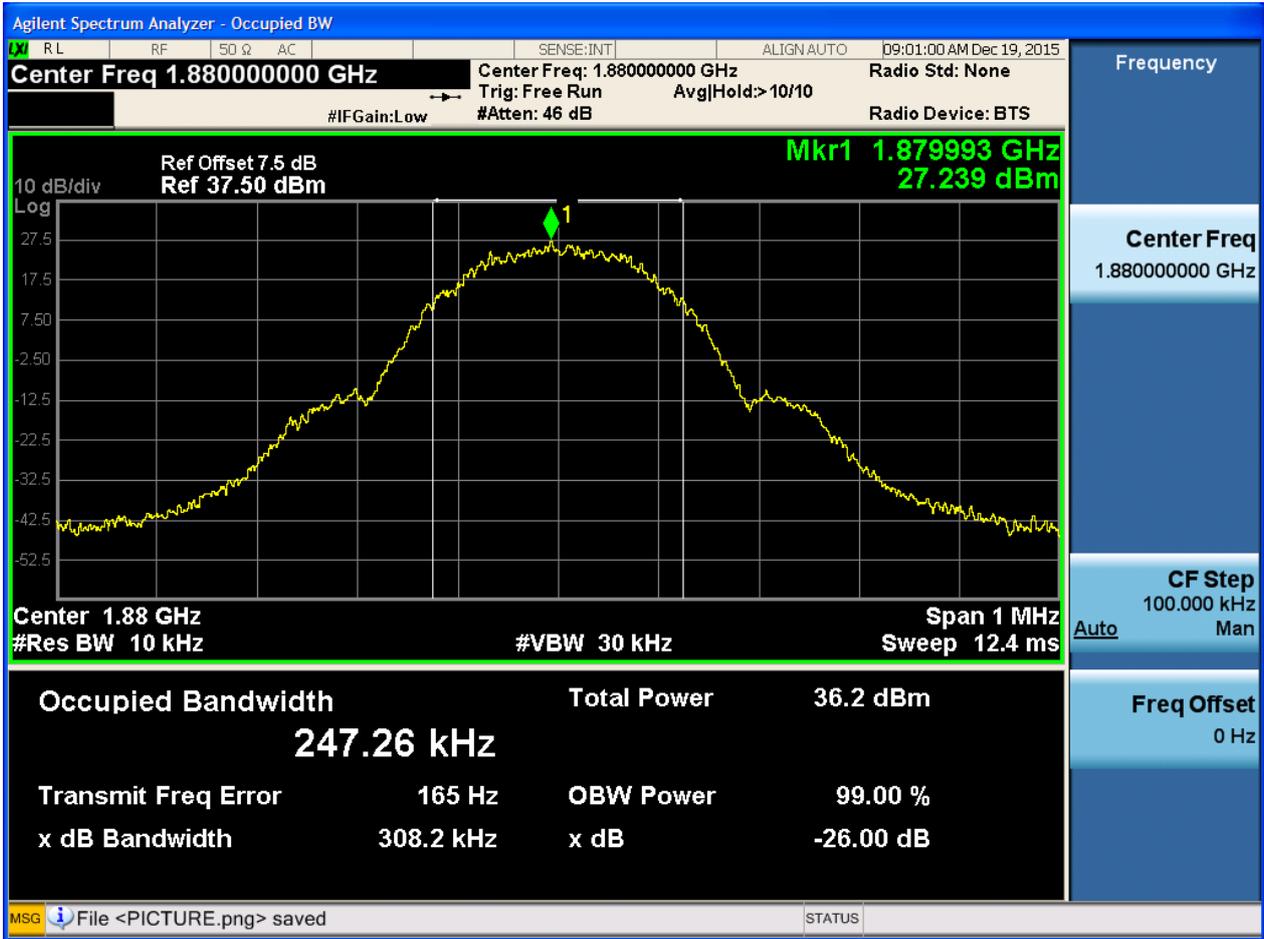
4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



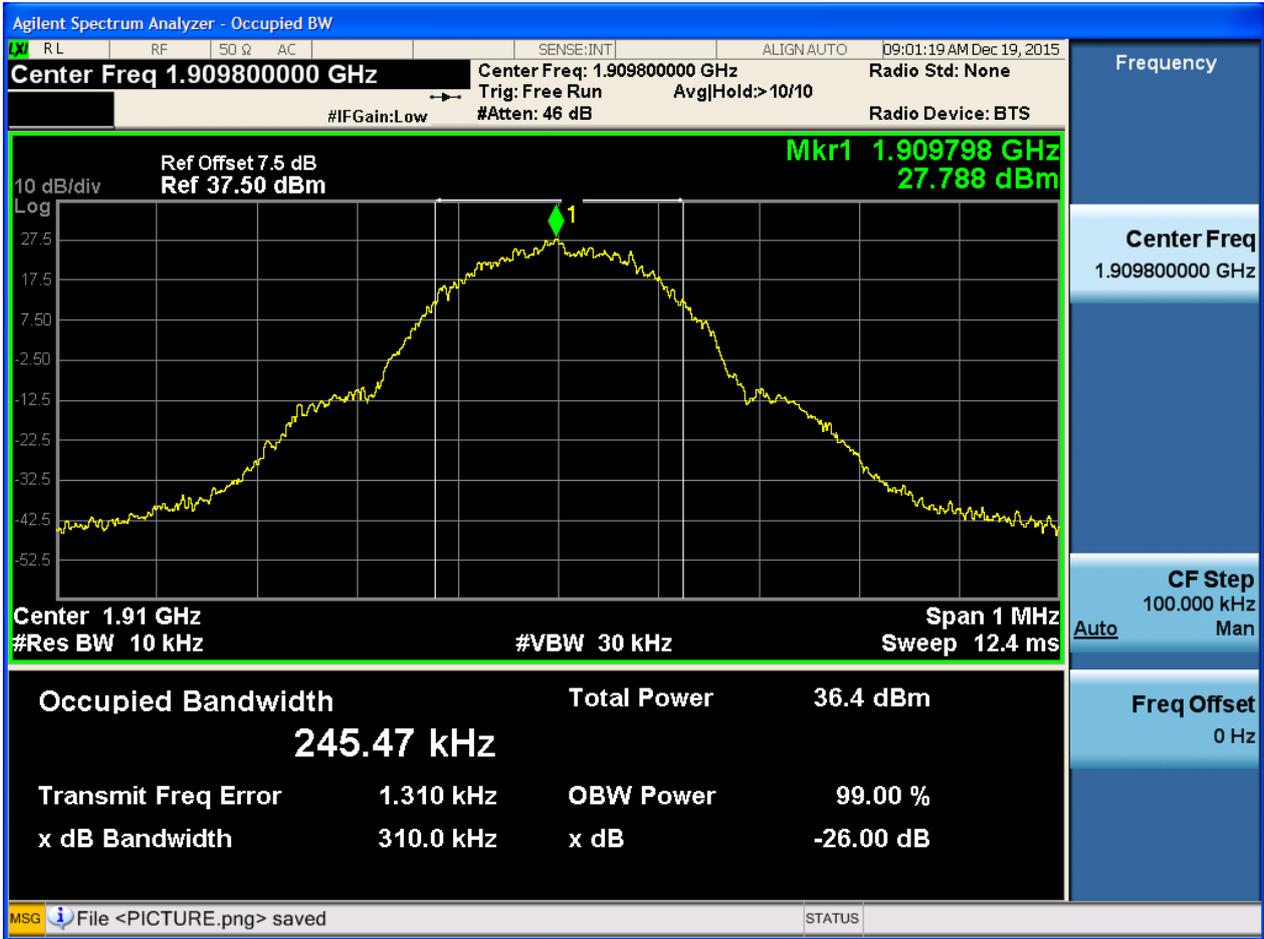


4.1.2.1.2 Test Channel = MCH





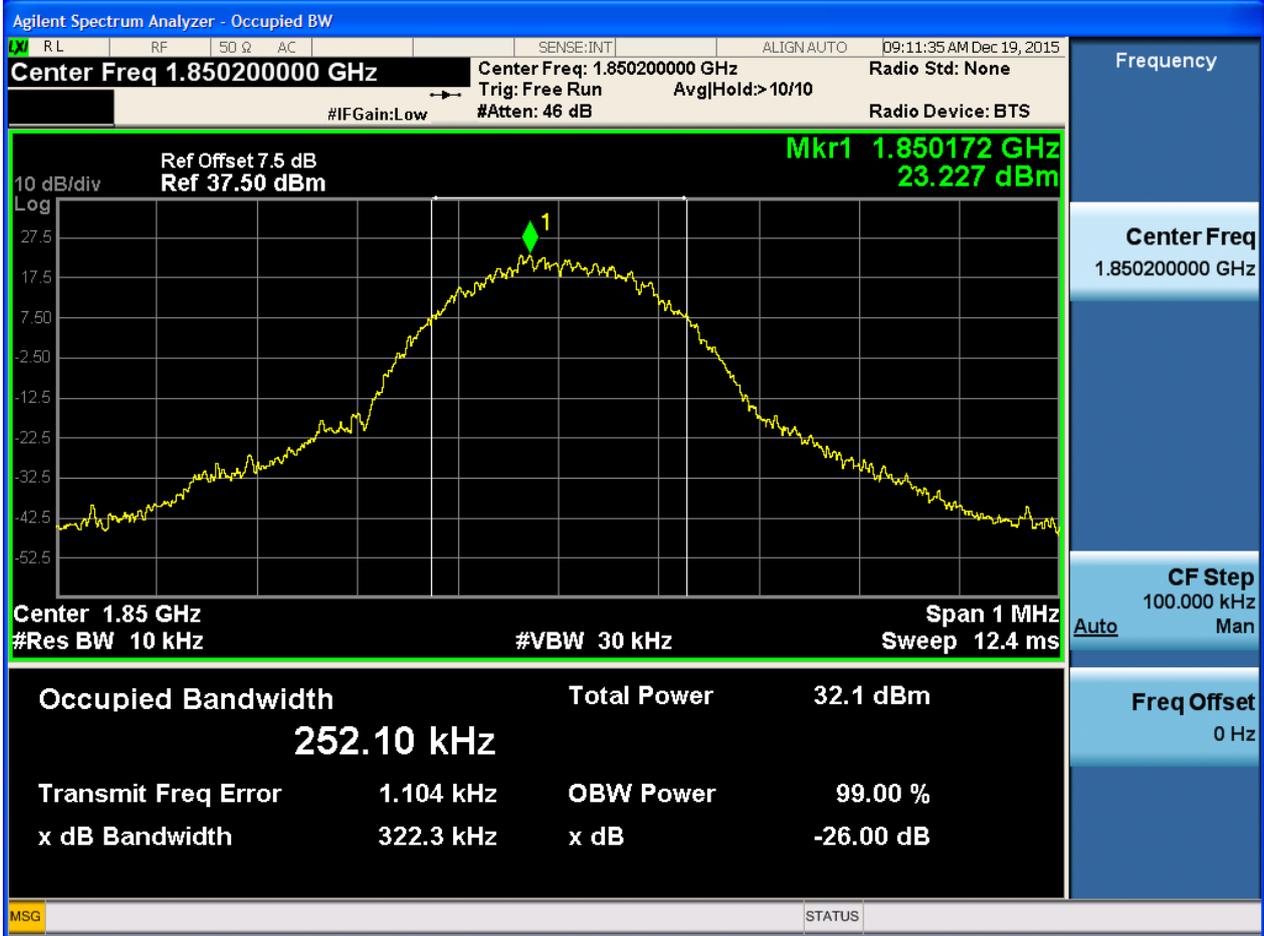
4.1.2.1.3 Test Channel = HCH





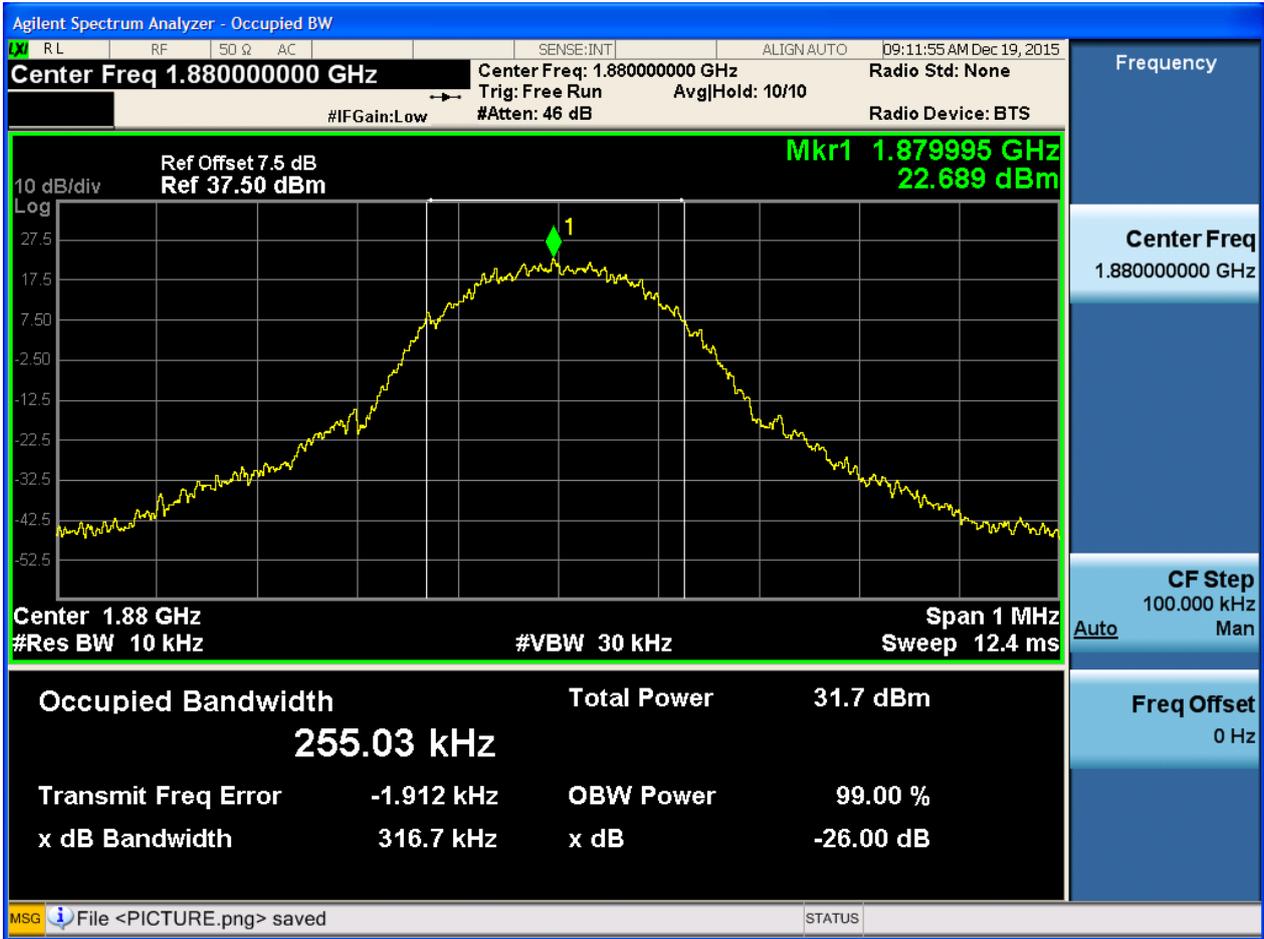
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



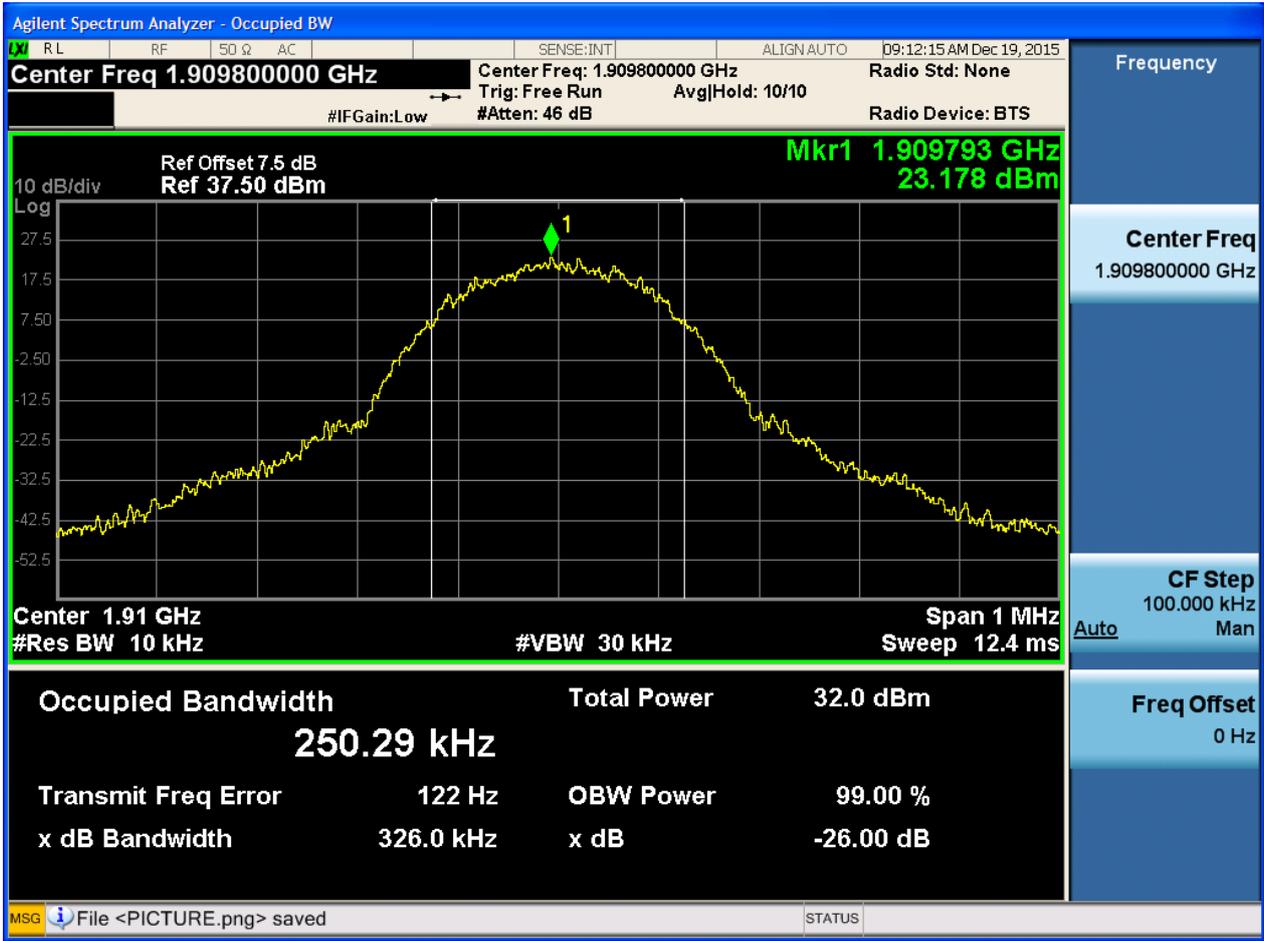


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH



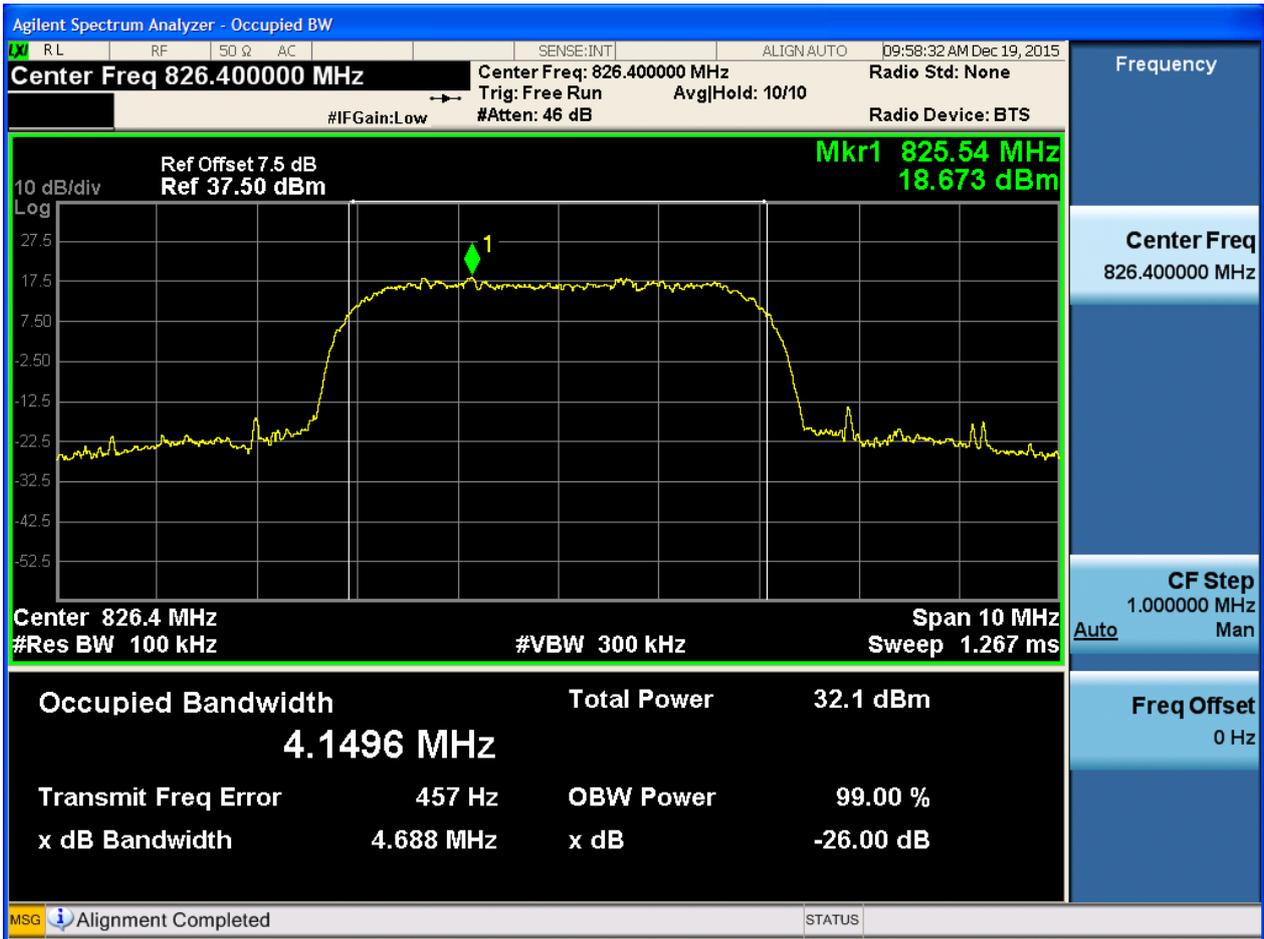


4.2 For UMTS

4.2.1 Test Band = WCDMA850

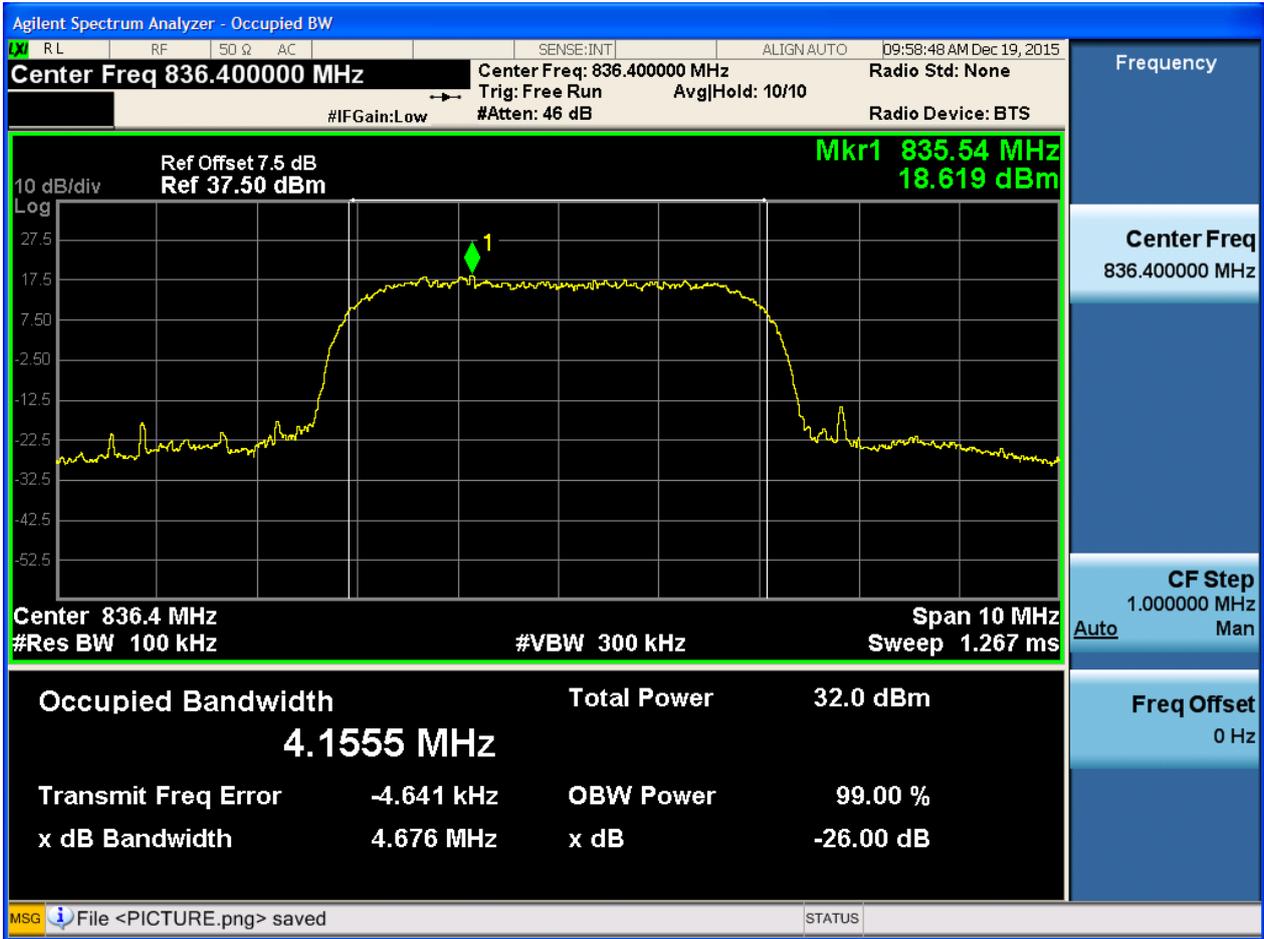
4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH



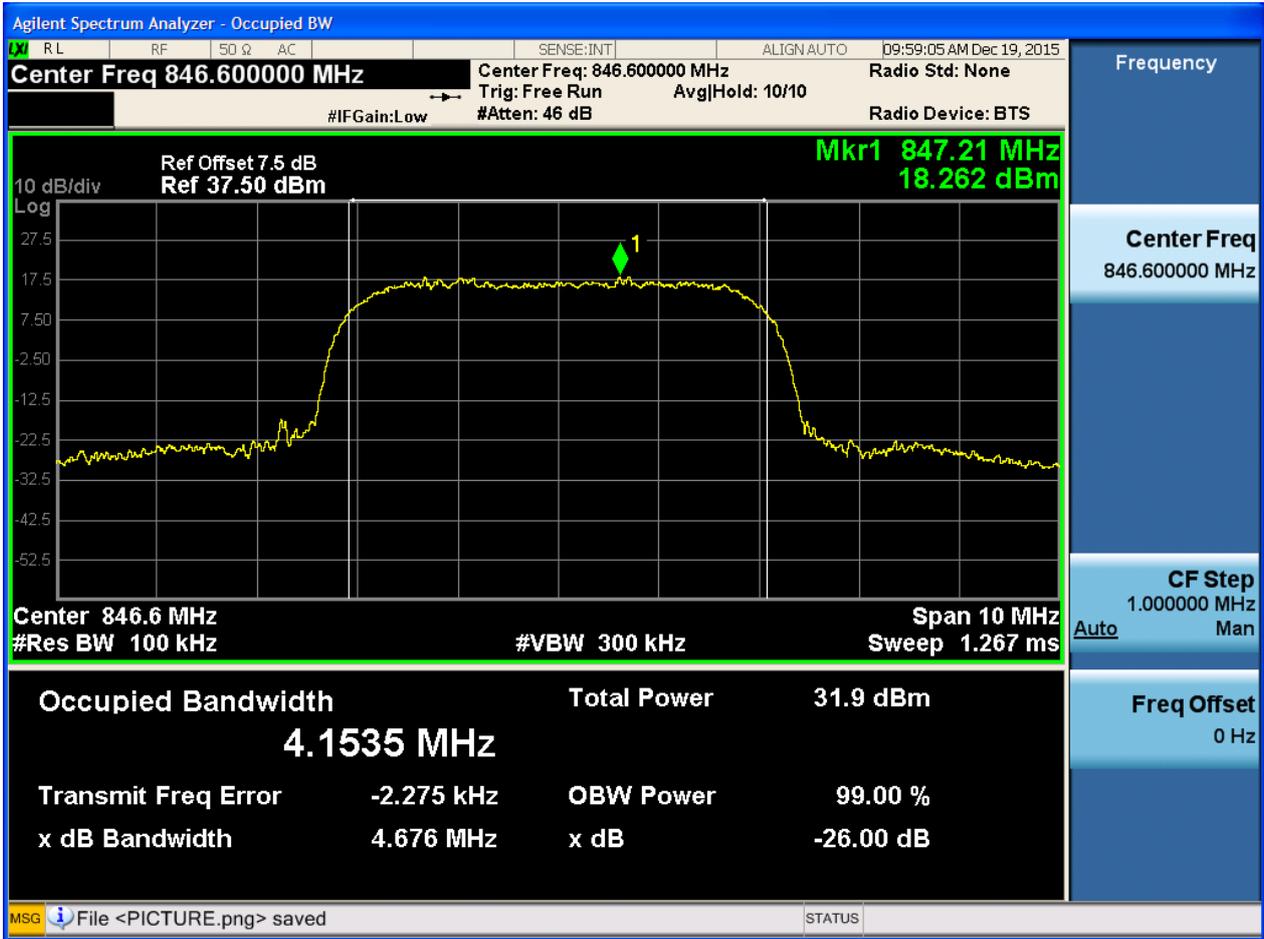


4.2.1.1.2 Test Channel = MCH





4.2.1.1.3 Test Channel = HCH

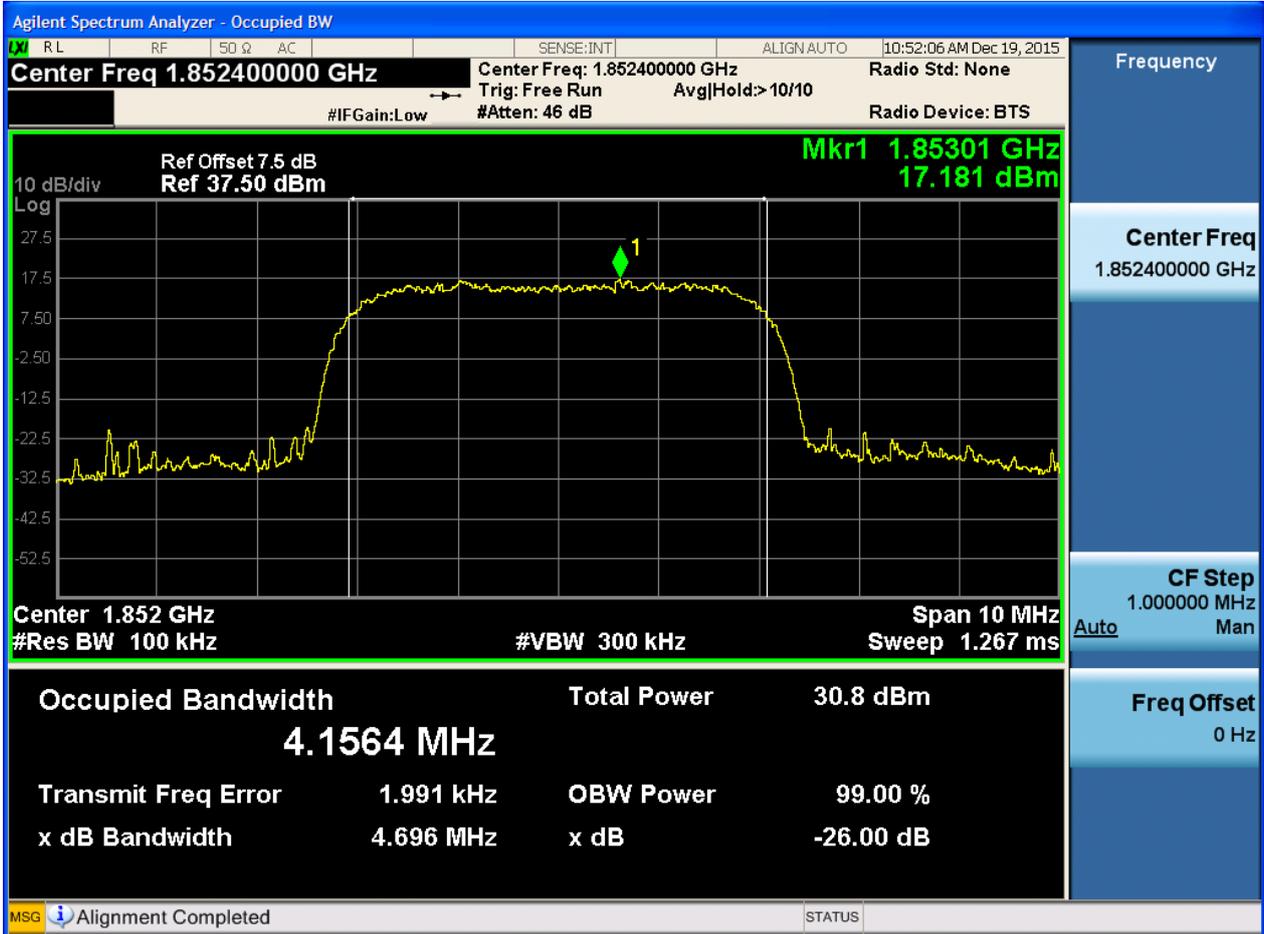




4.2.2 Test Band = WCDMA1900

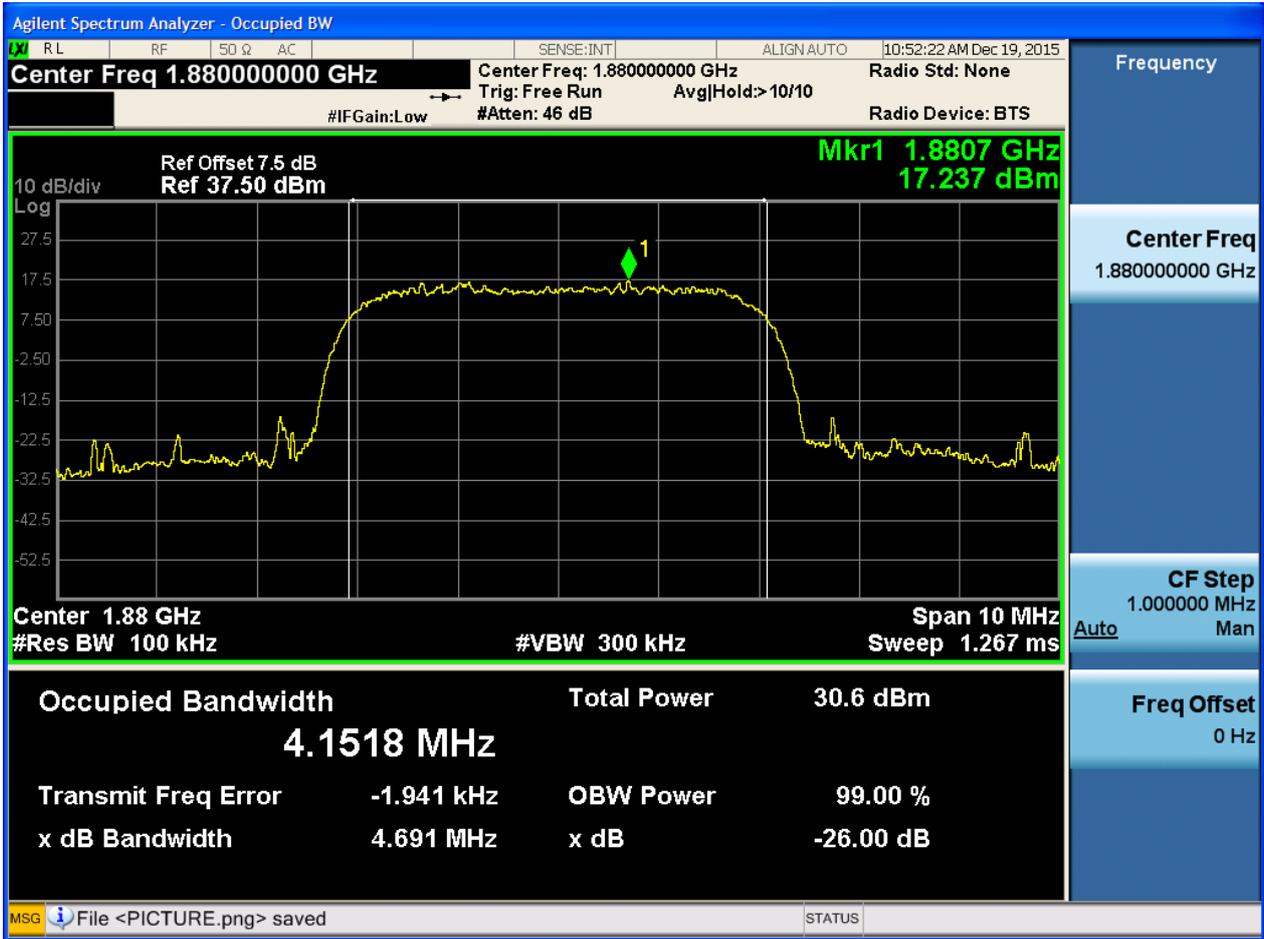
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH



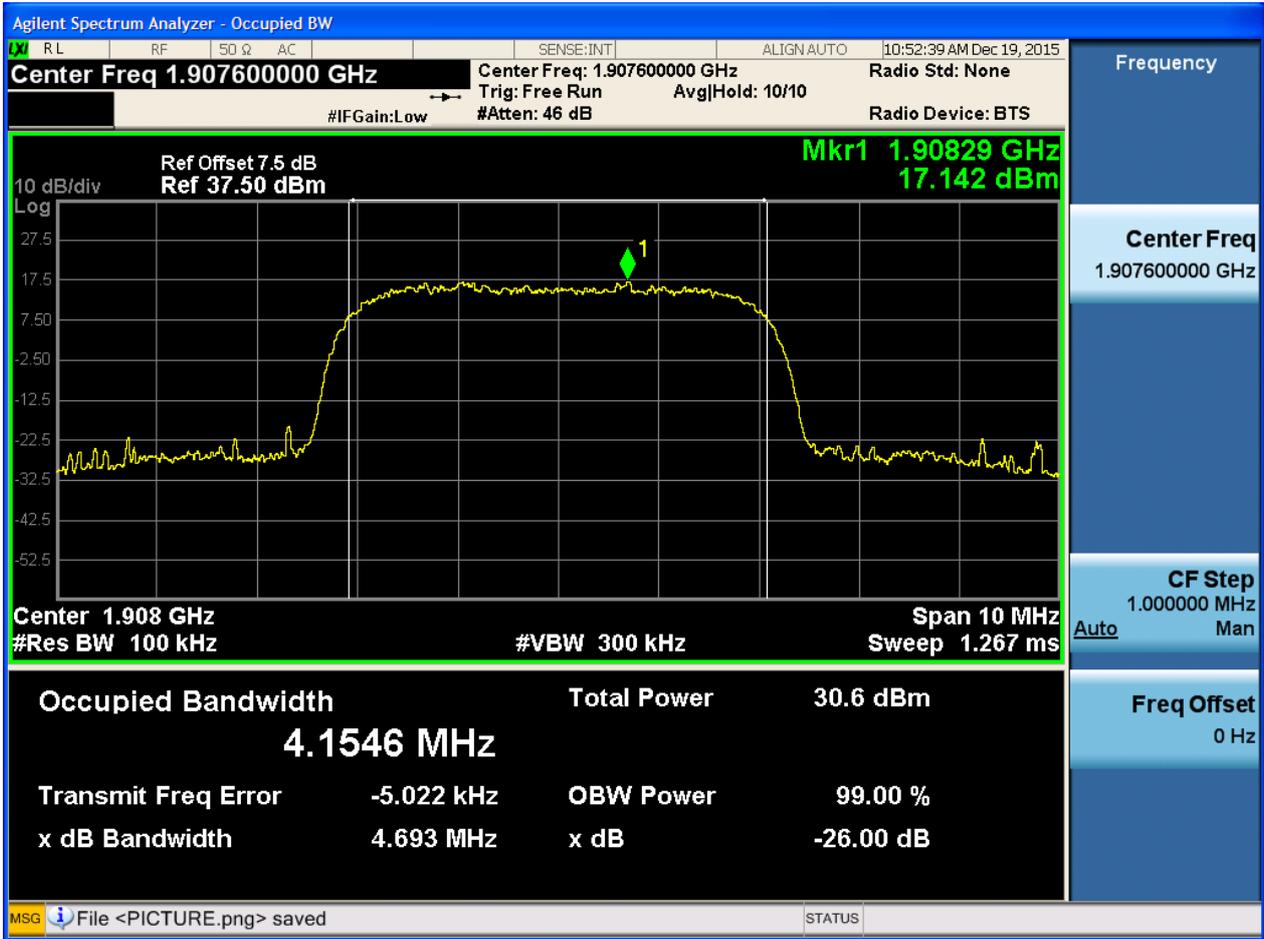


4.2.2.1.2 Test Channel = MCH





4.2.2.1.3 Test Channel = HCH





5Appendix_E: Band Edges Compliance

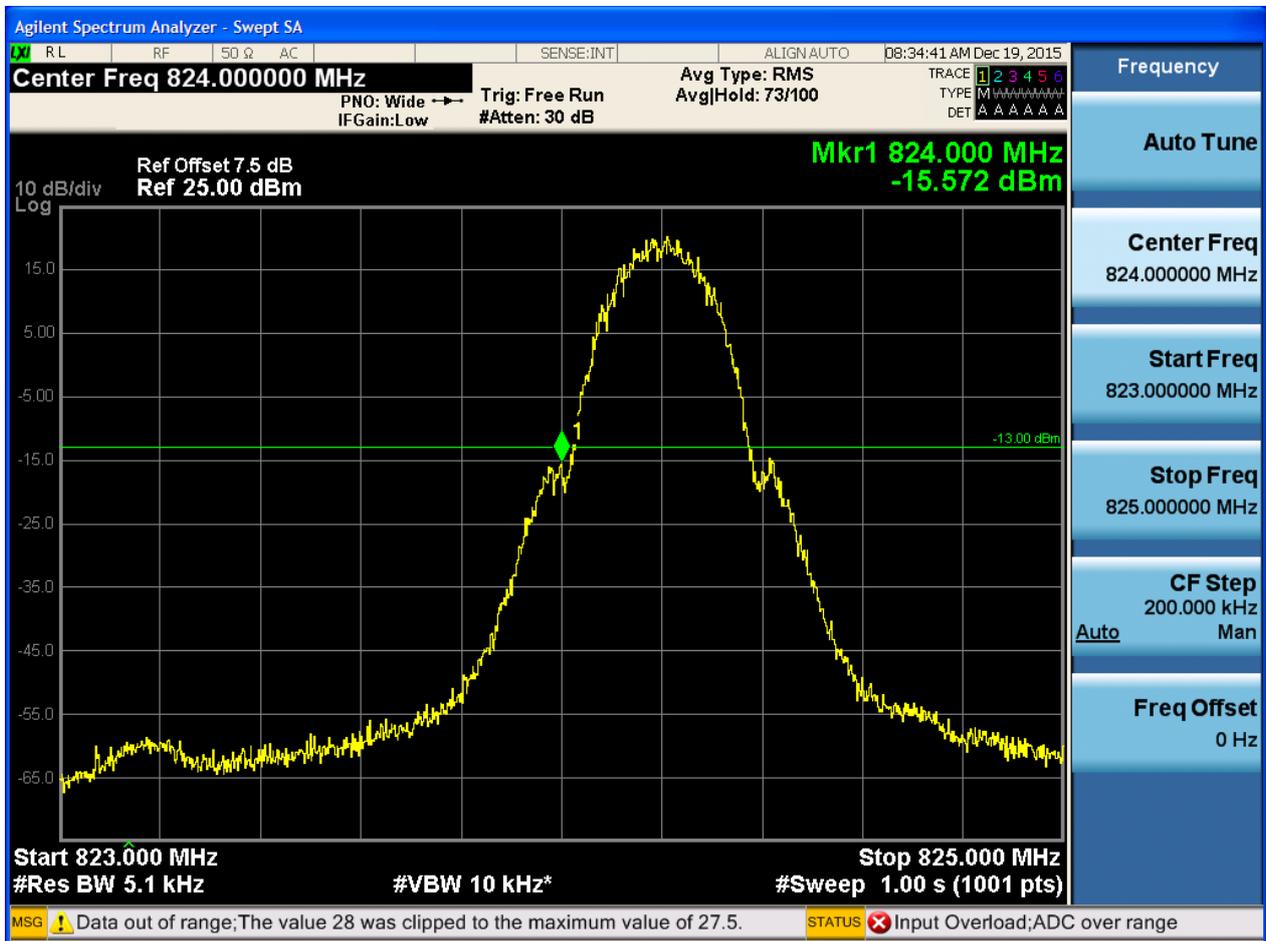
Part I - Test Plots

5.1 For GSM

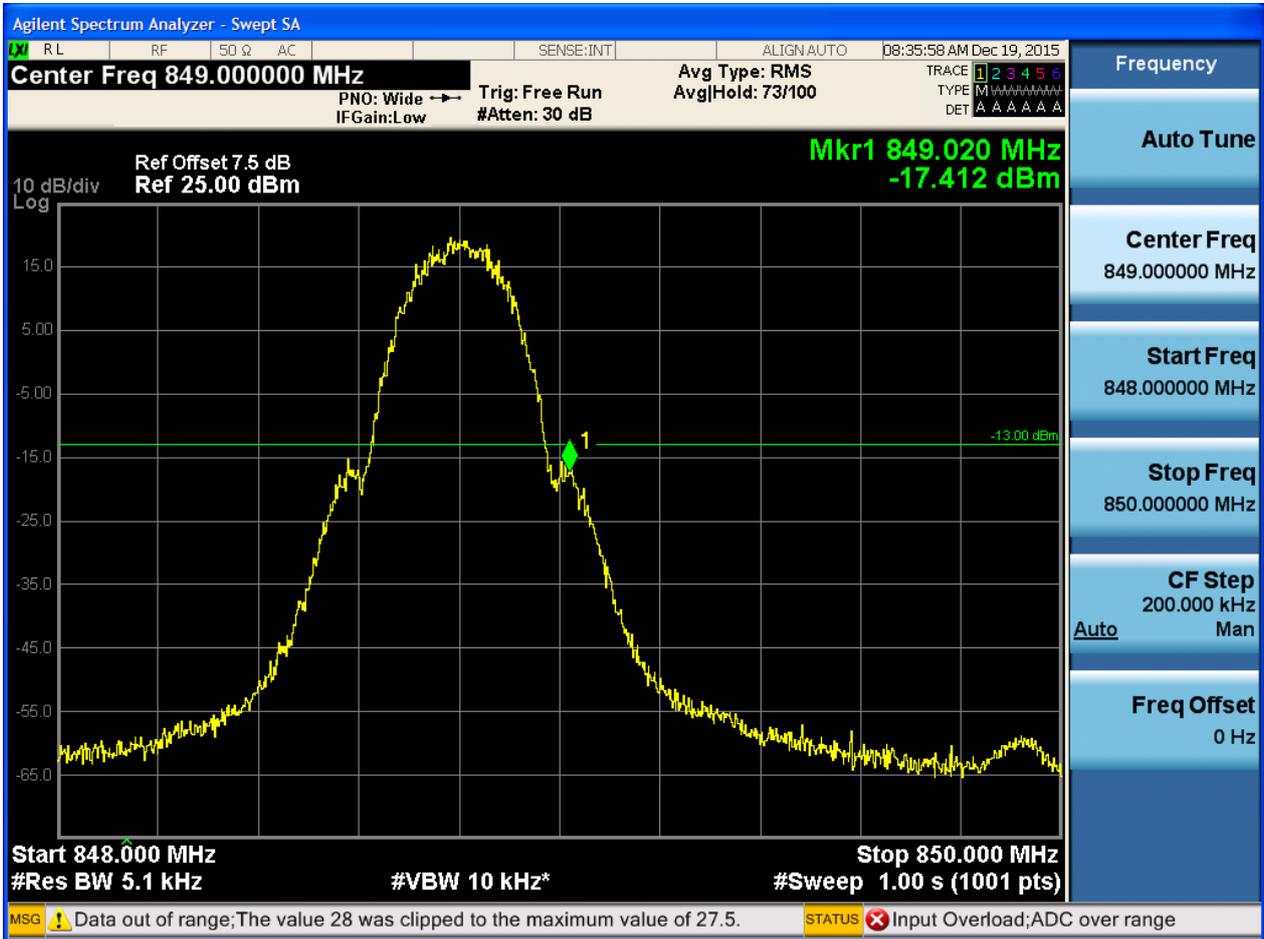
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5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH



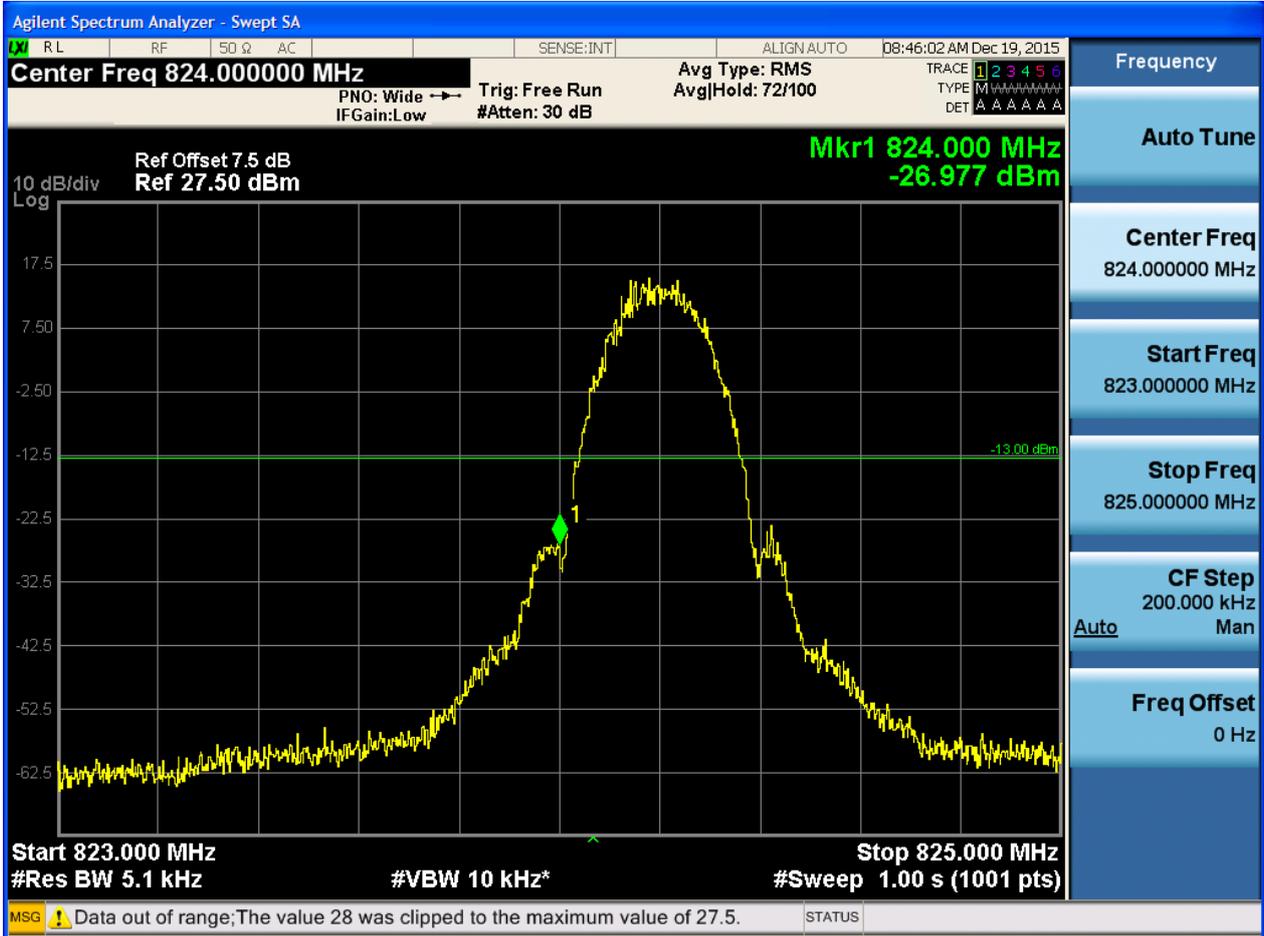
5.1.1.1.2 Test Channel = HCH



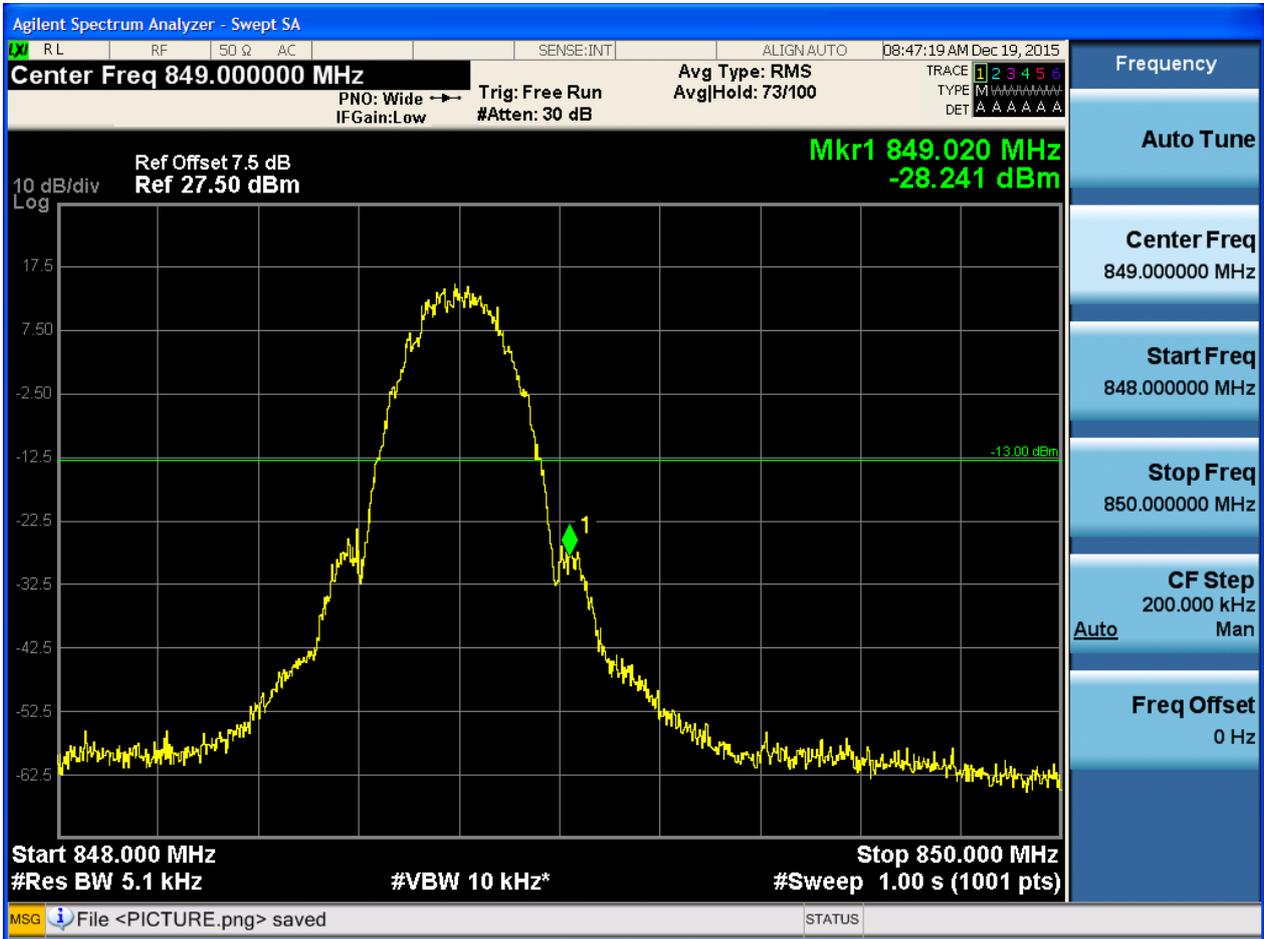


5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH



5.1.1.2.2 Test Channel = HCH

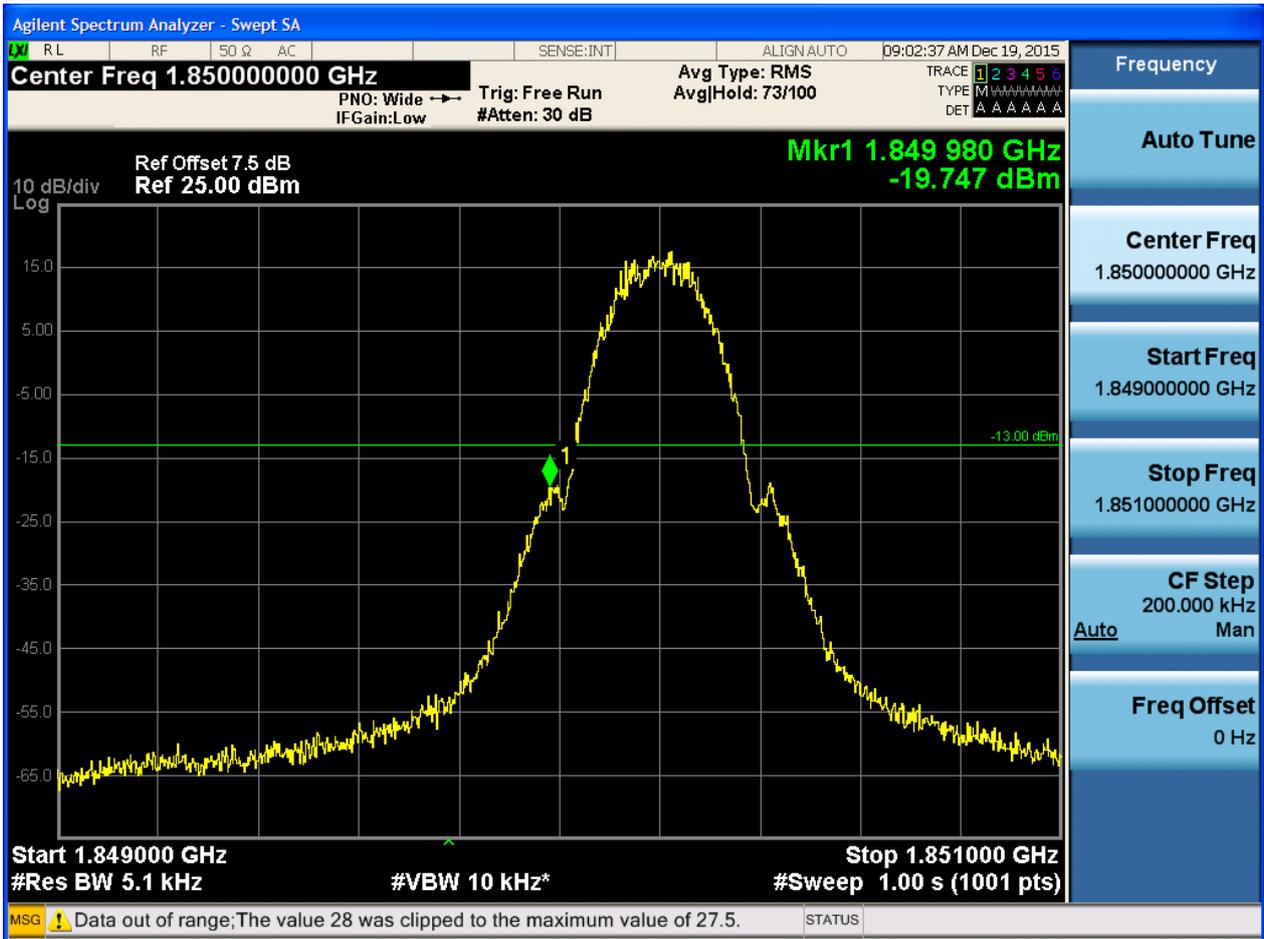




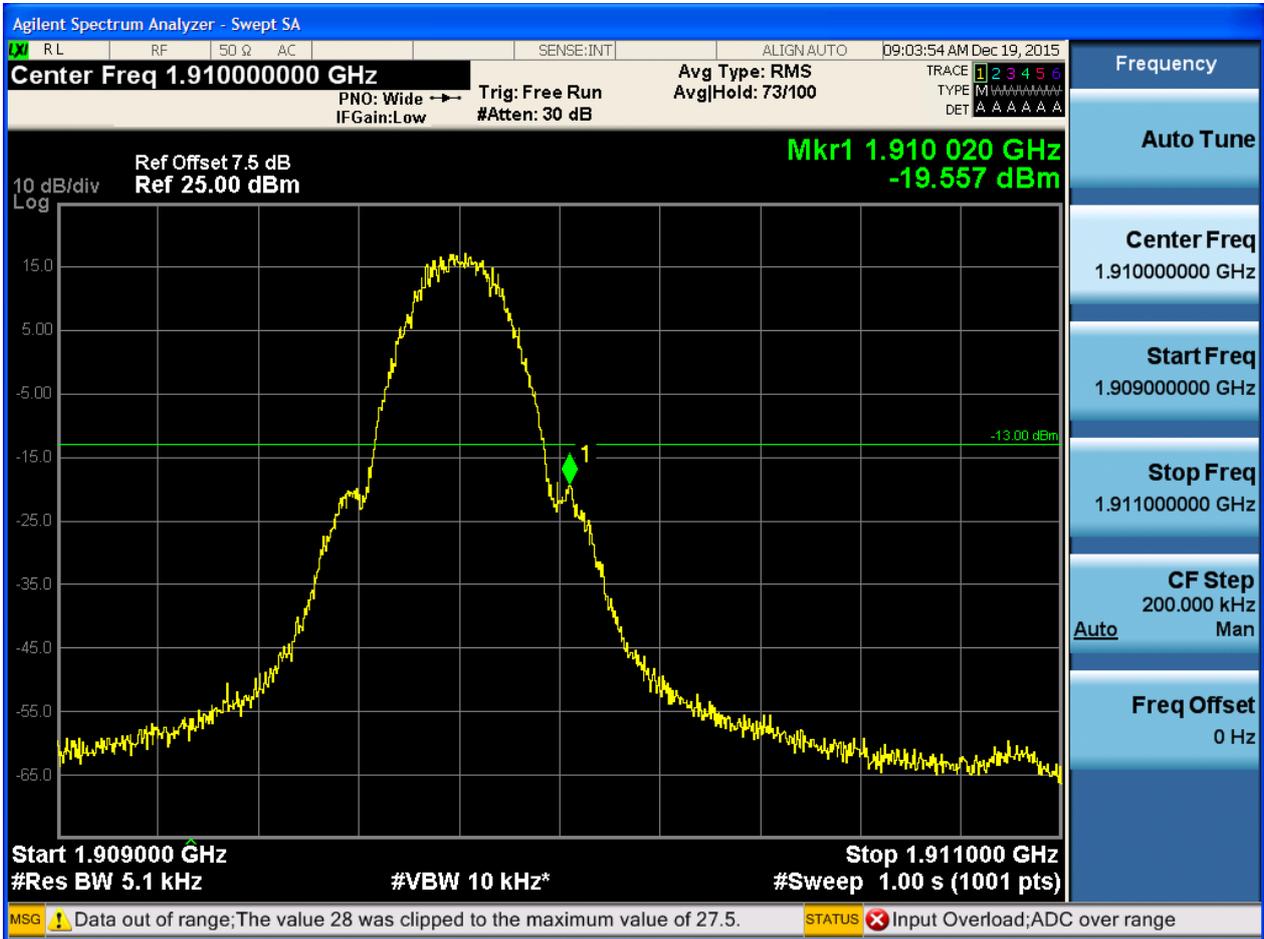
5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH

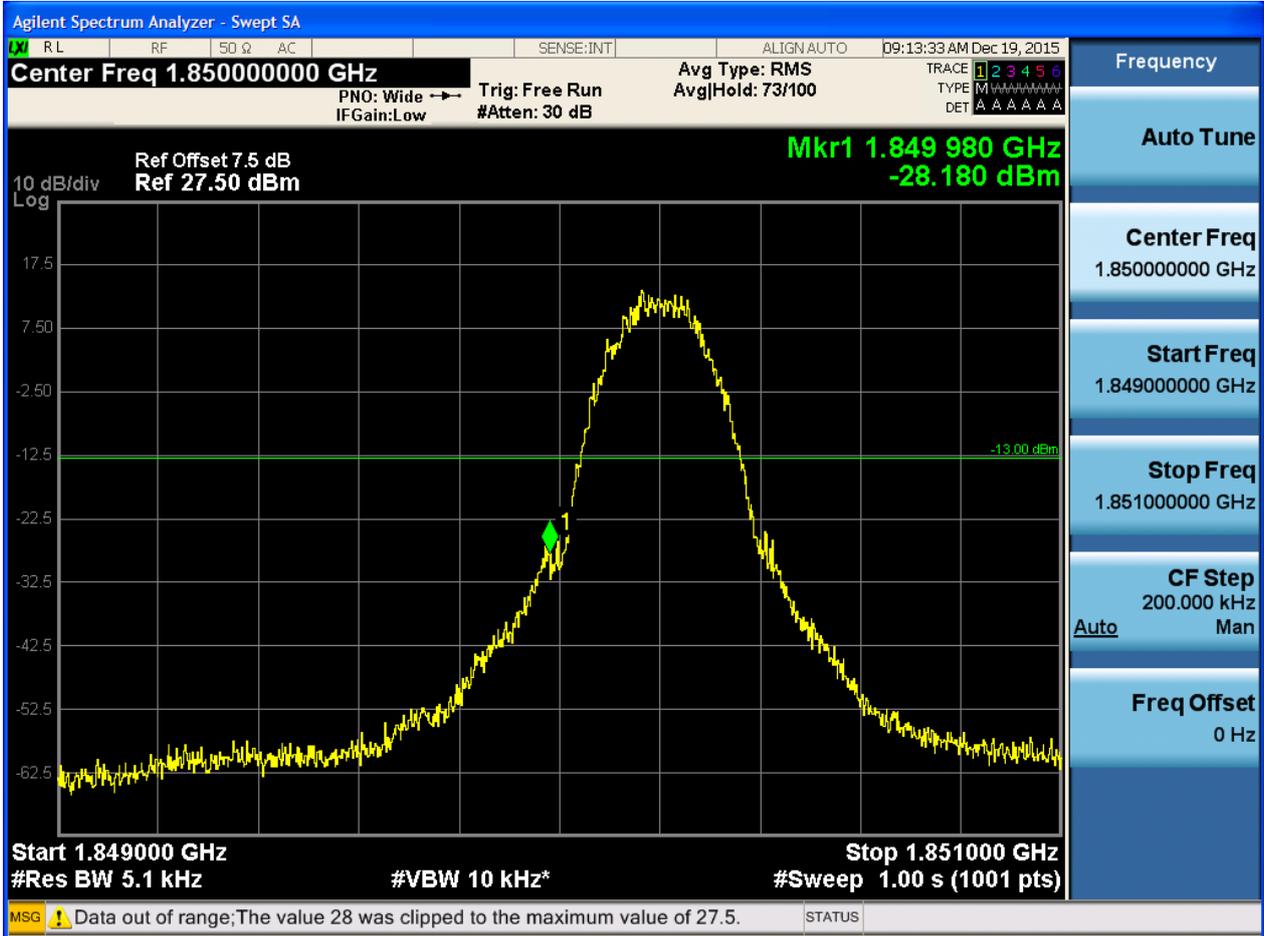


5.1.2.1.2 Test Channel = HCH

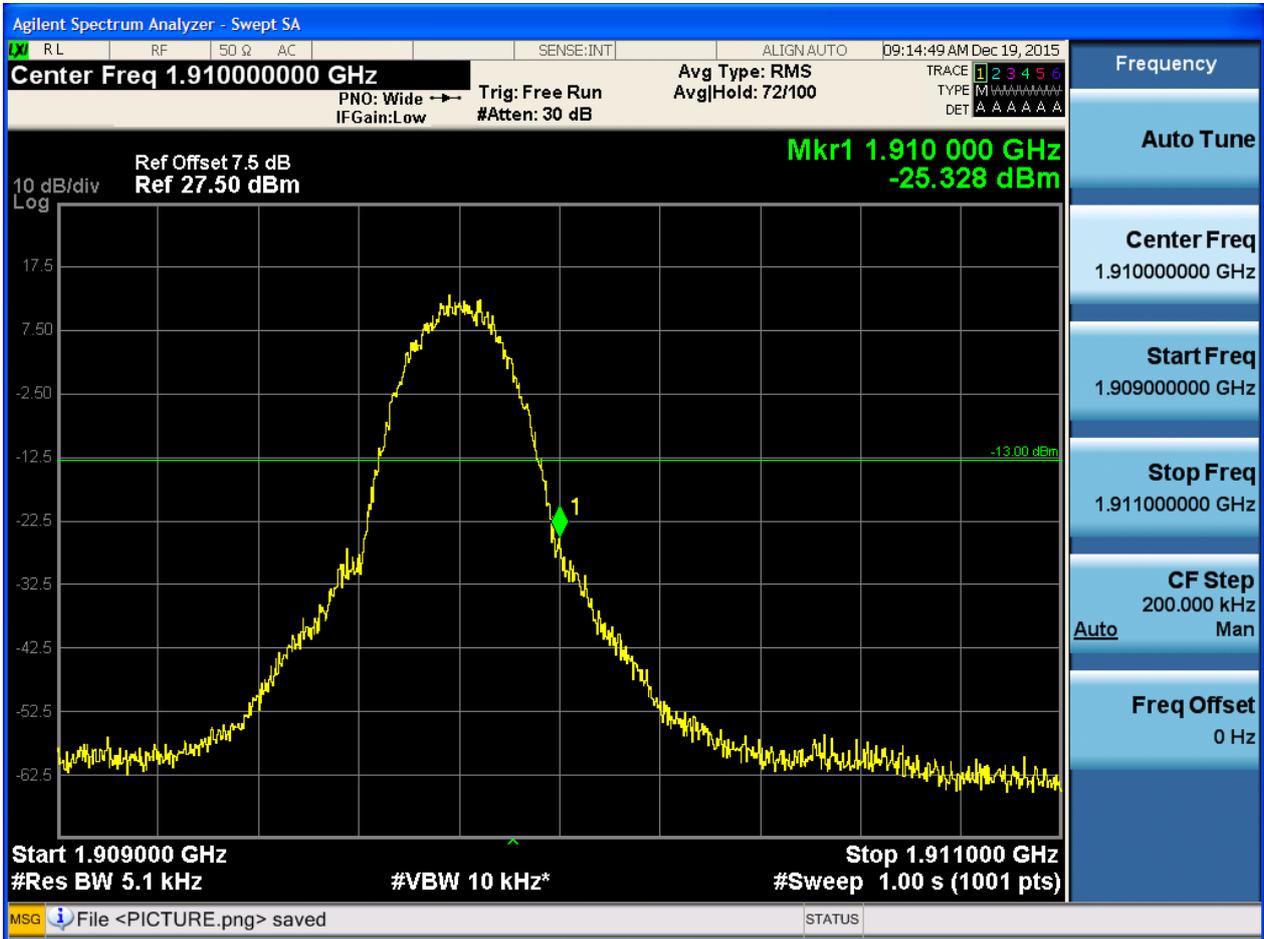


5.1.2.2 Test Mode = GSM/TM2

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

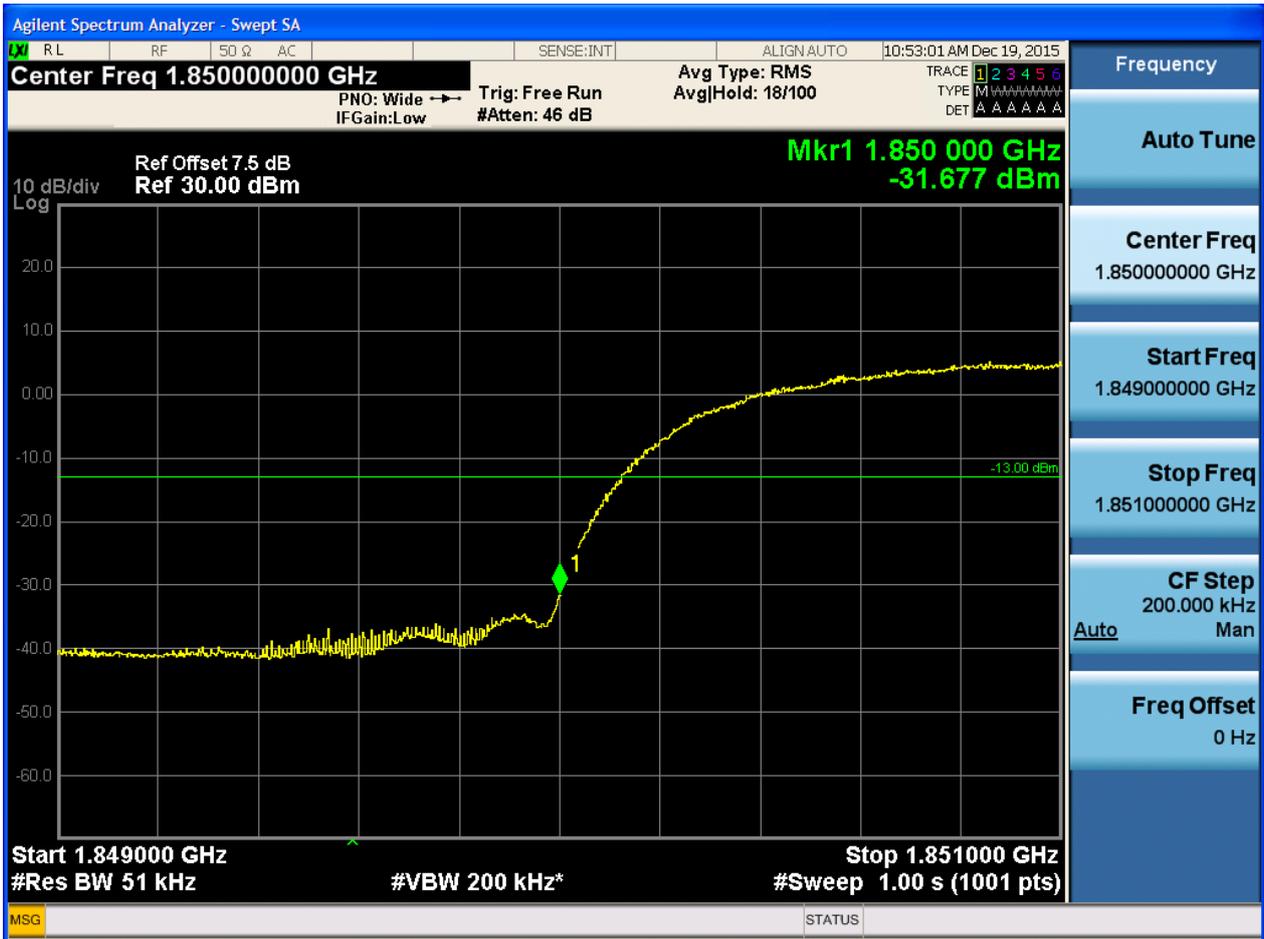




5.2.2 Test Band = WCDMA1900

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.

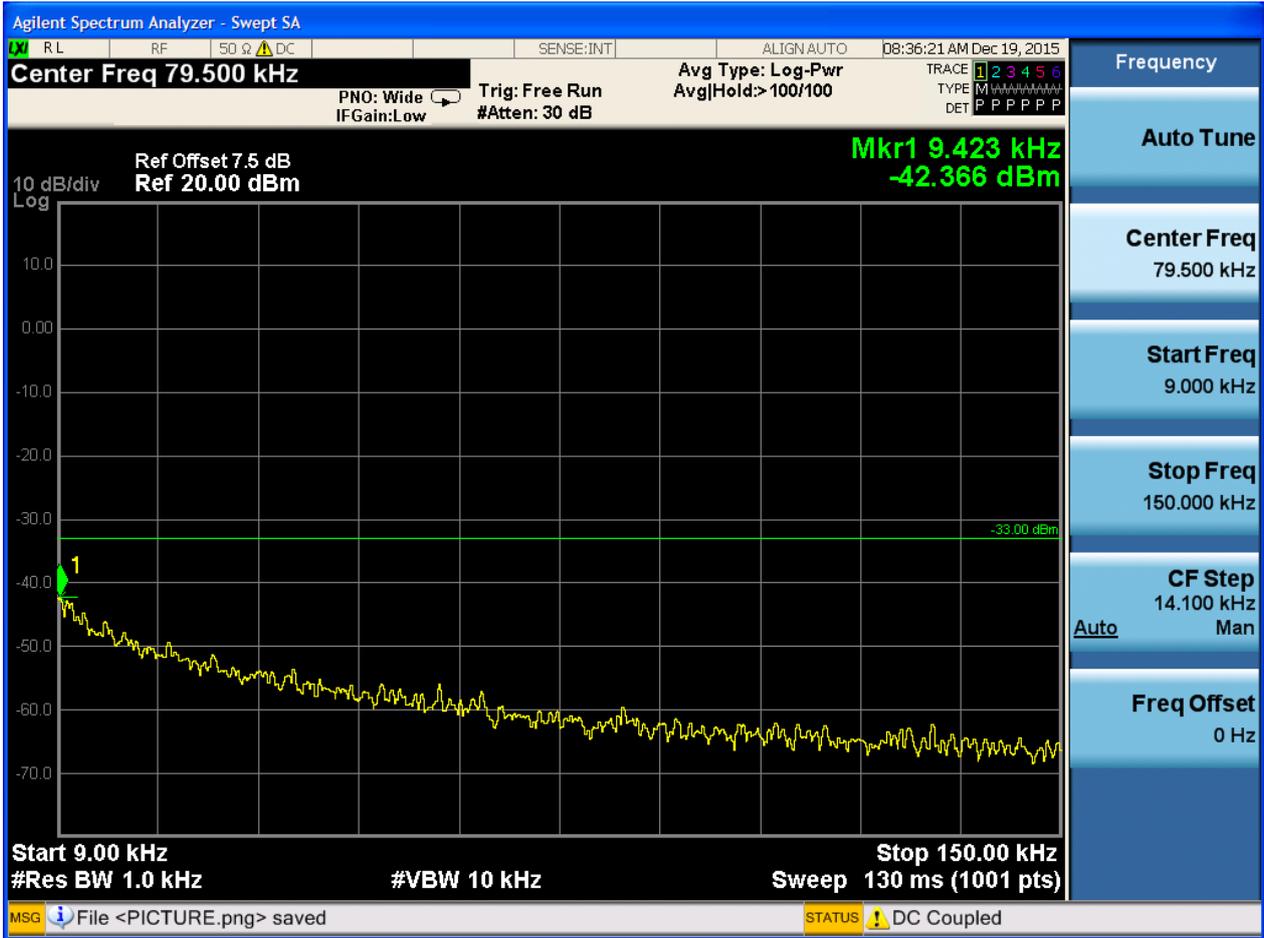
Part I - Test Plots

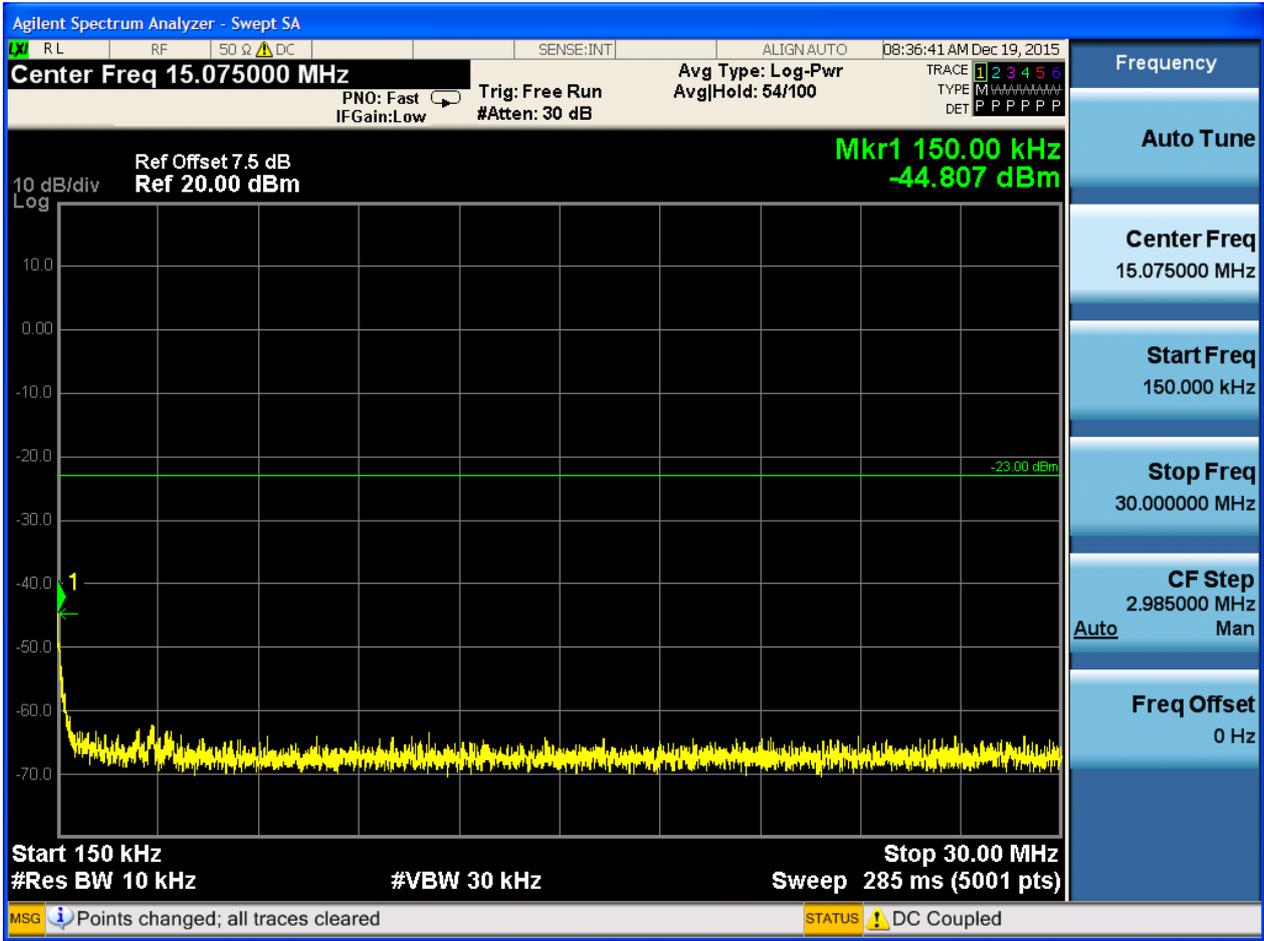
6.1 For GSM

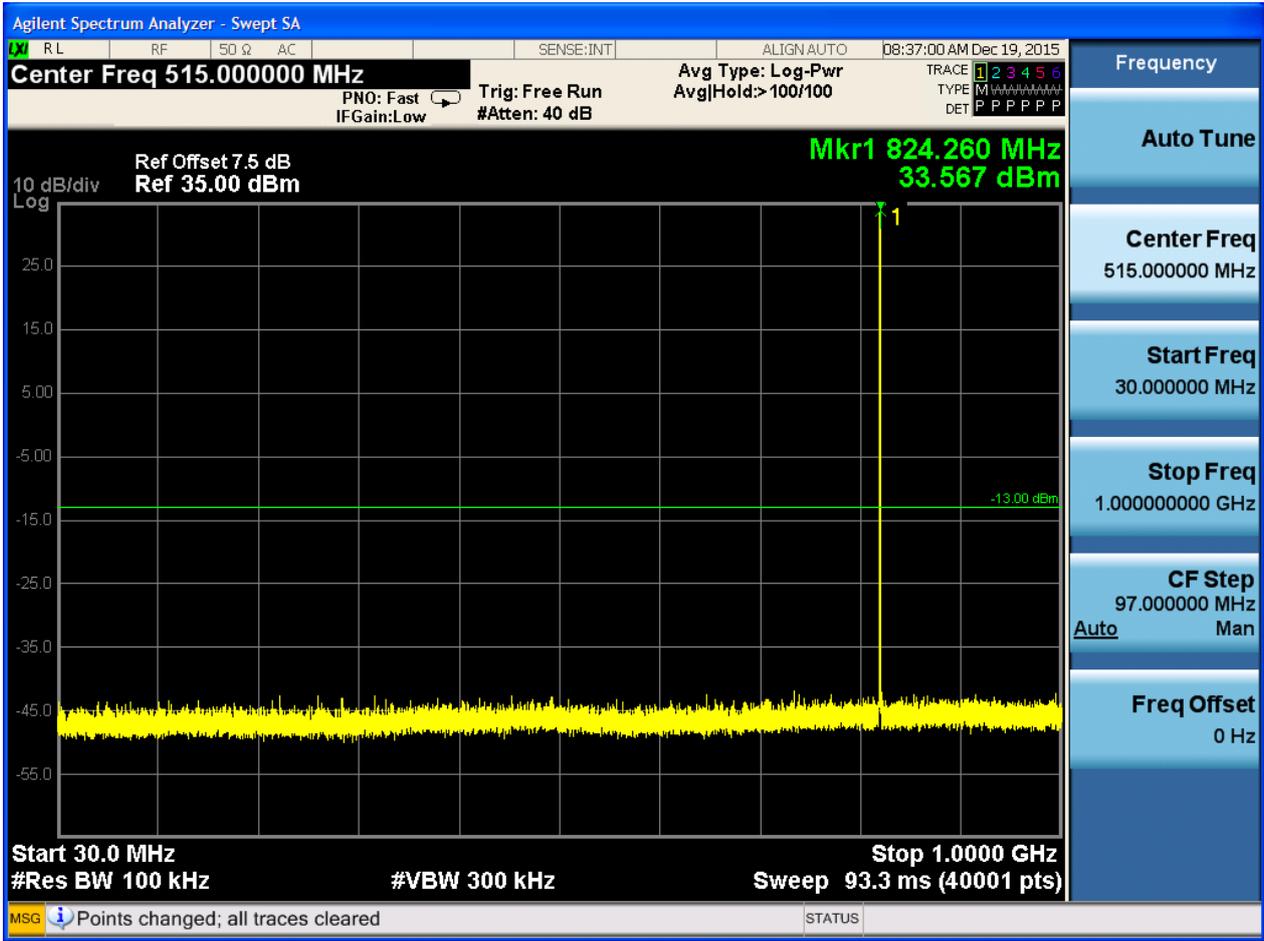
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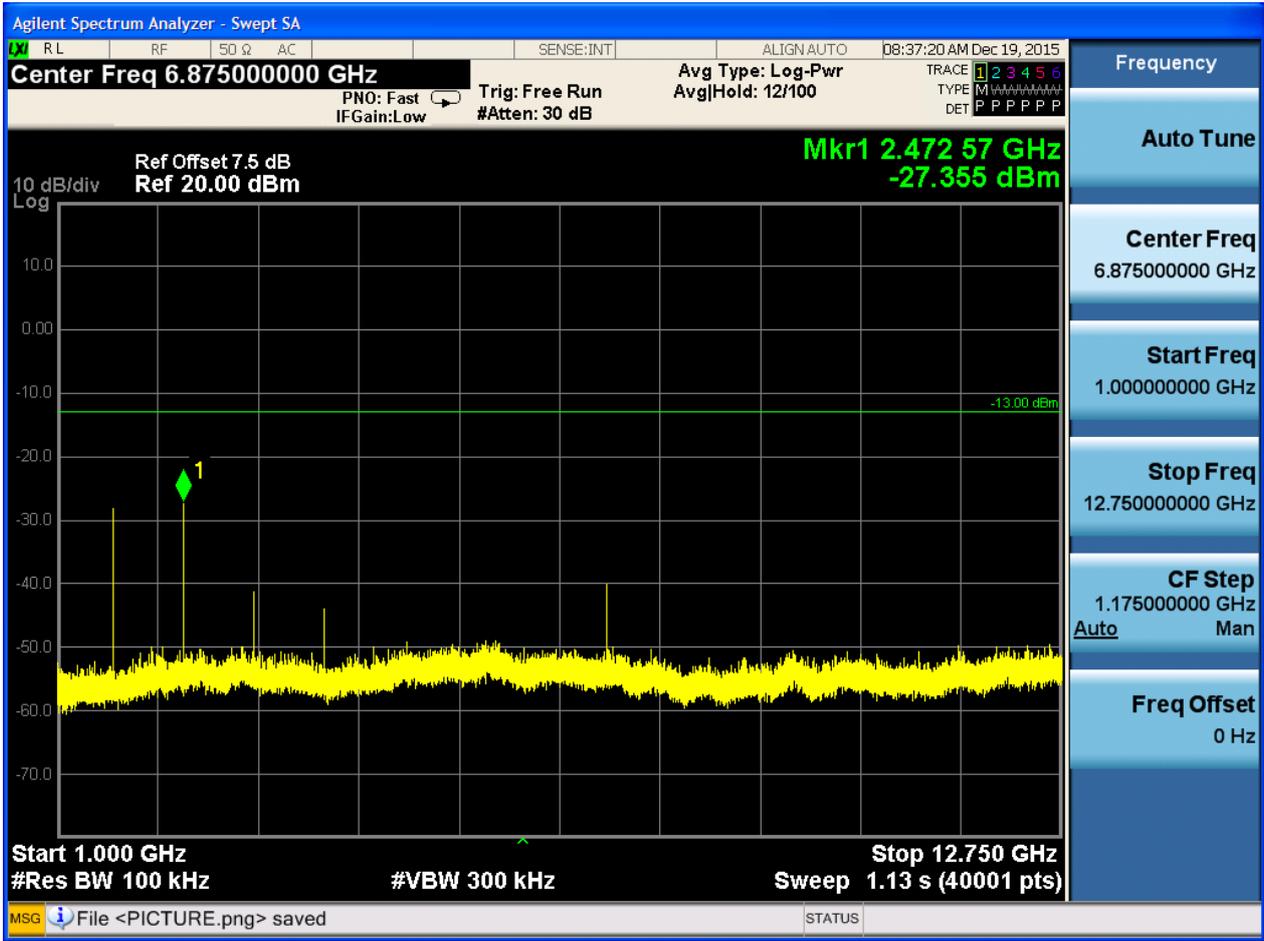
6.1.1.1 Test Mode = GSM/TM1

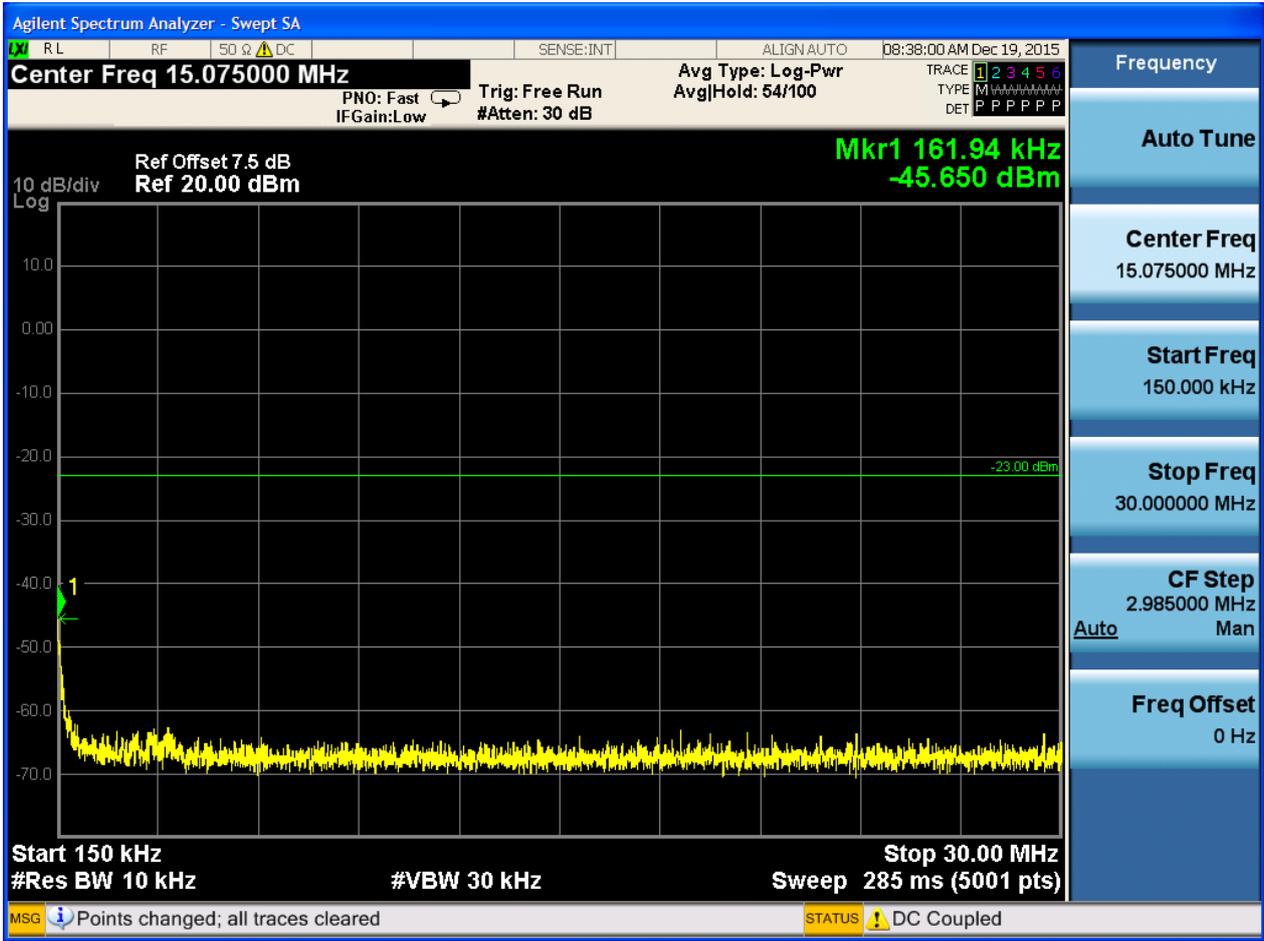
6.1.1.1.1 Test Channel = LCH

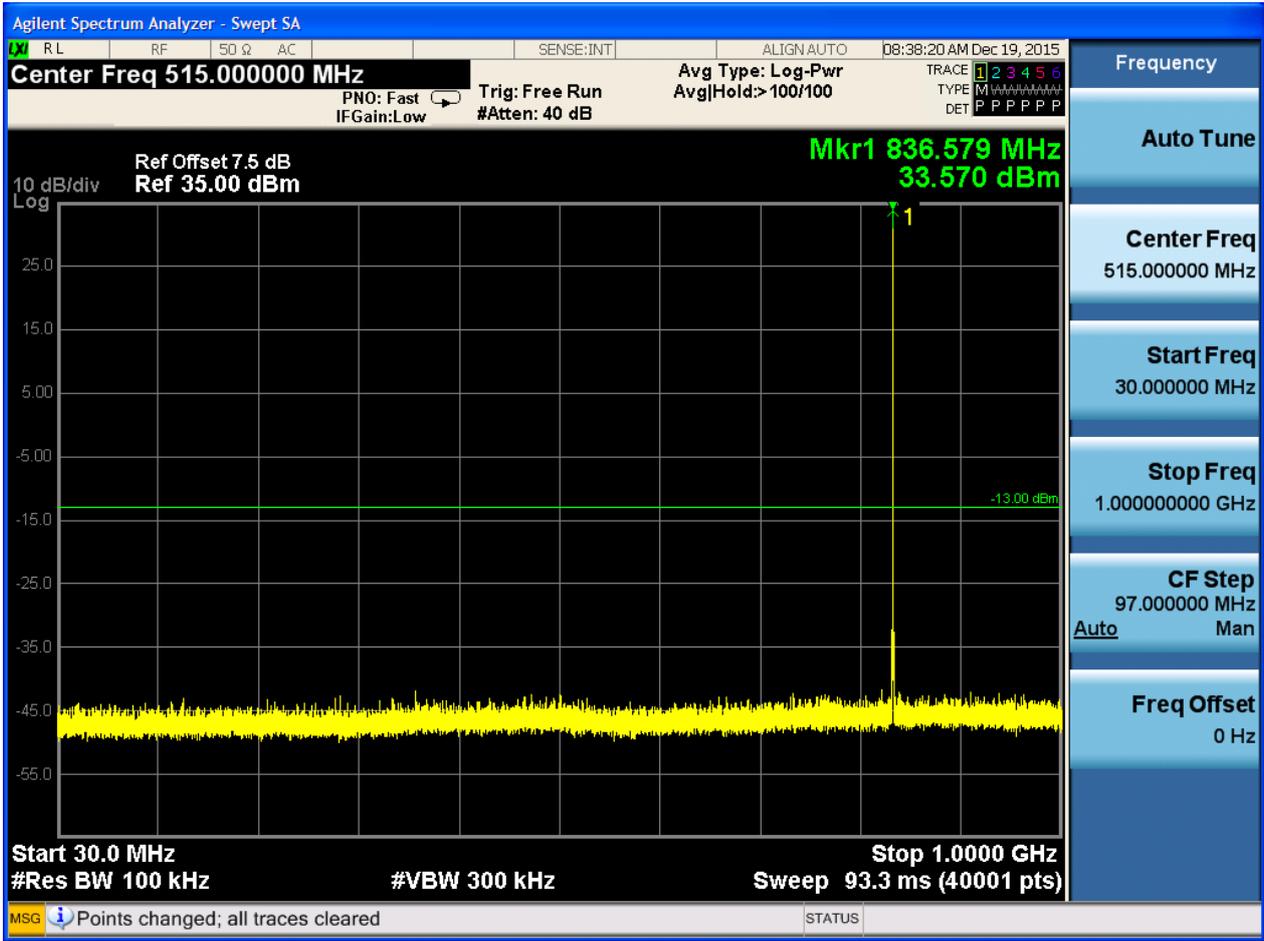


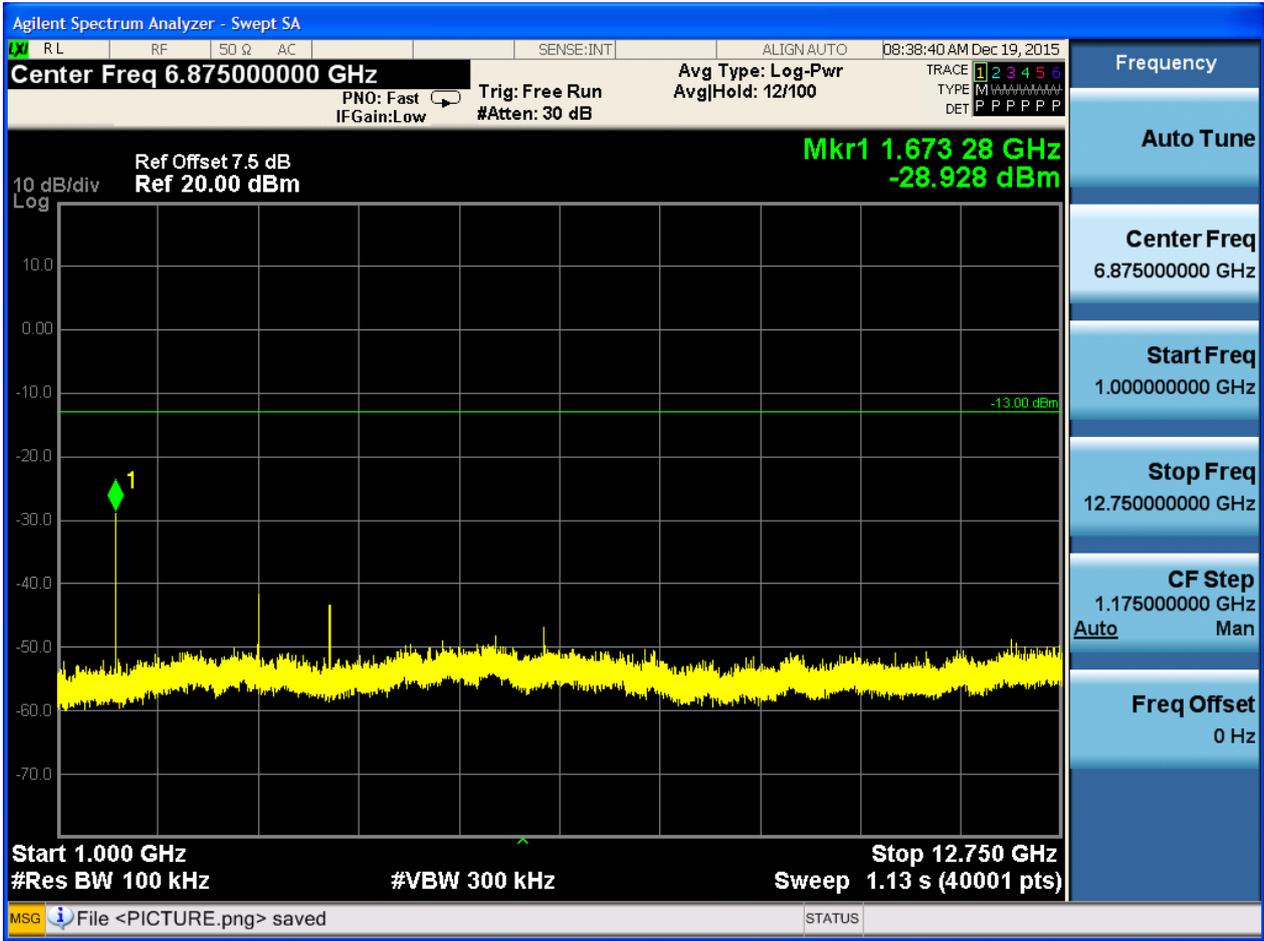




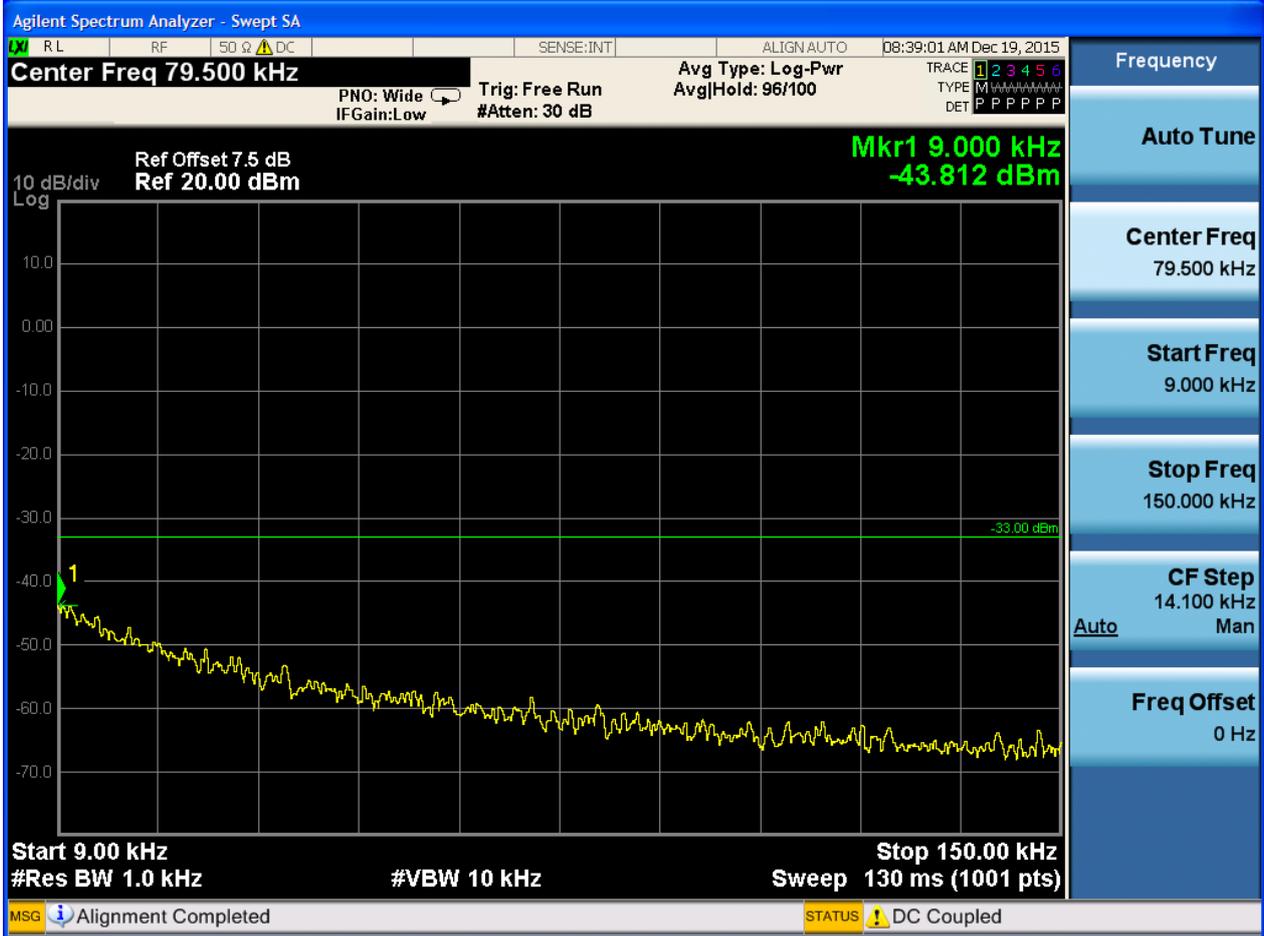


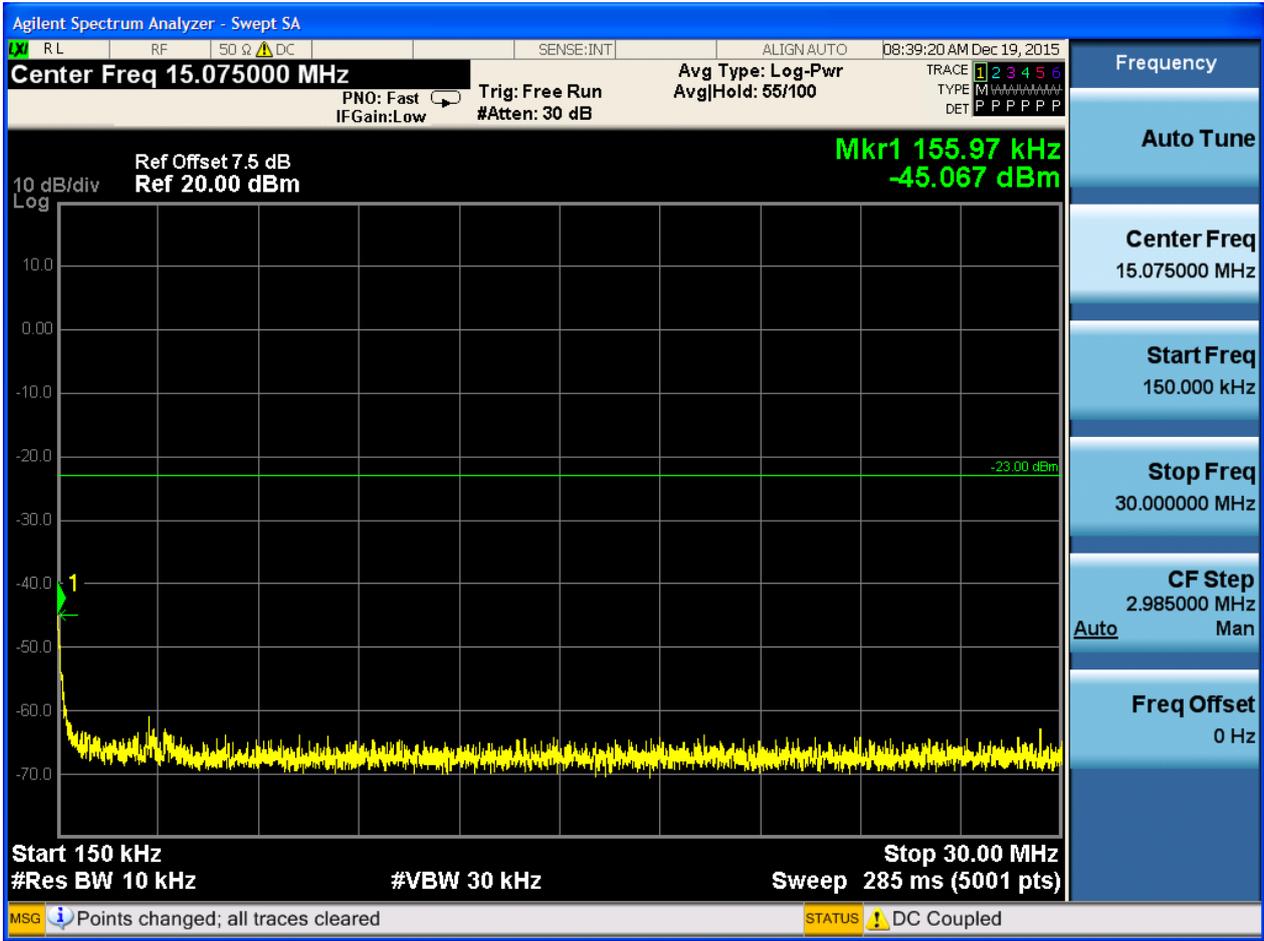


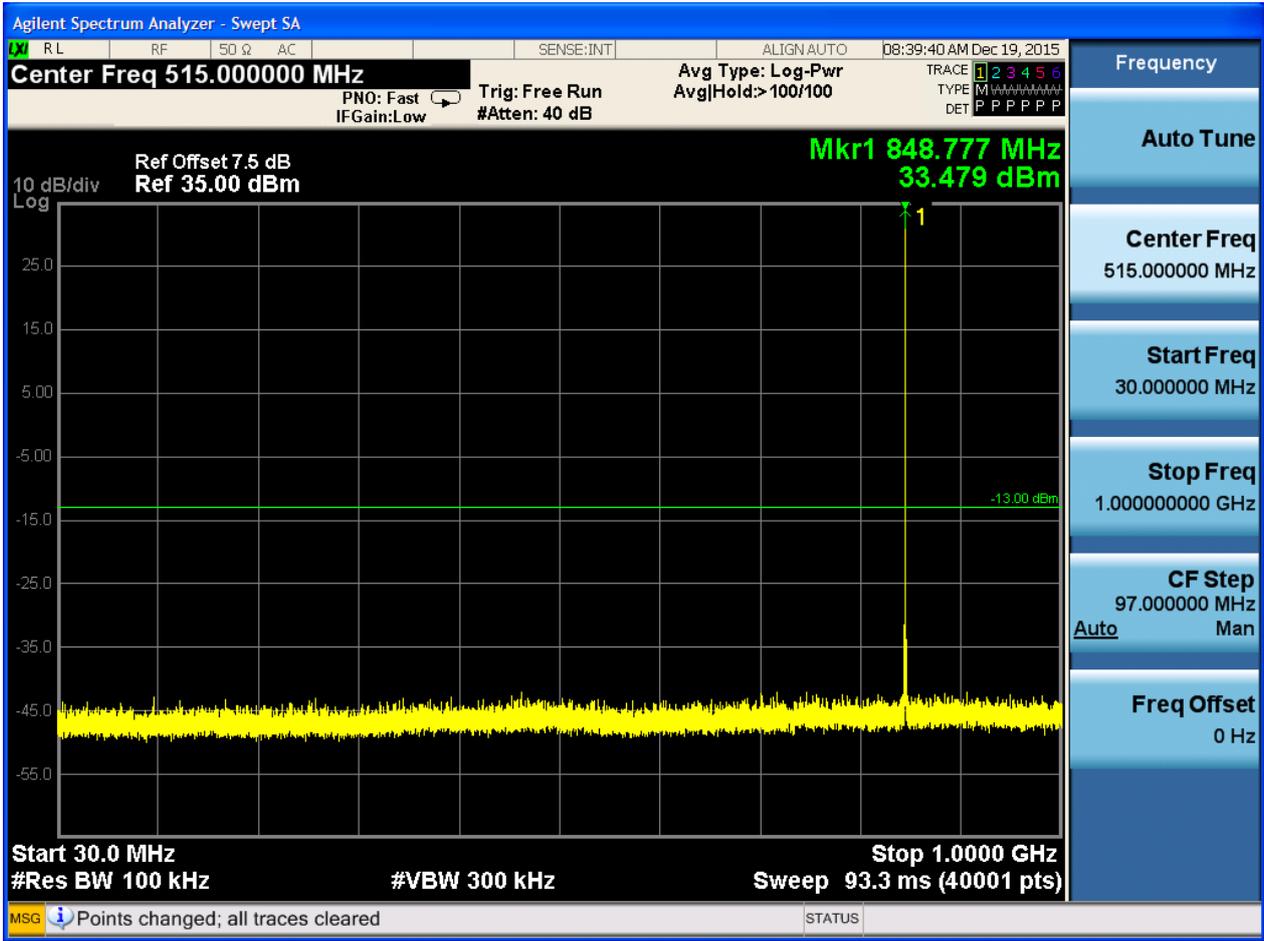


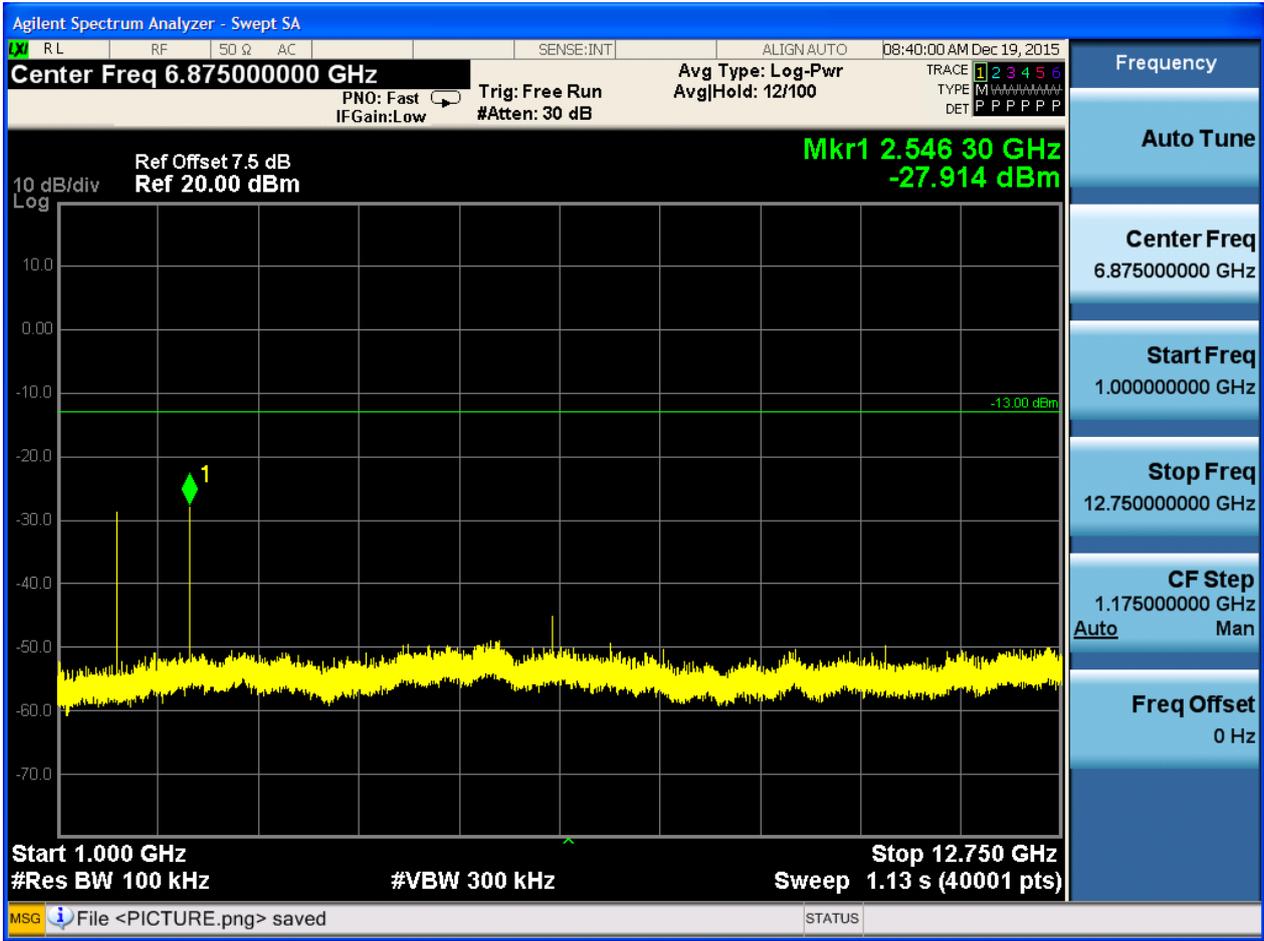


6.1.1.1.3 Test Channel = HCH







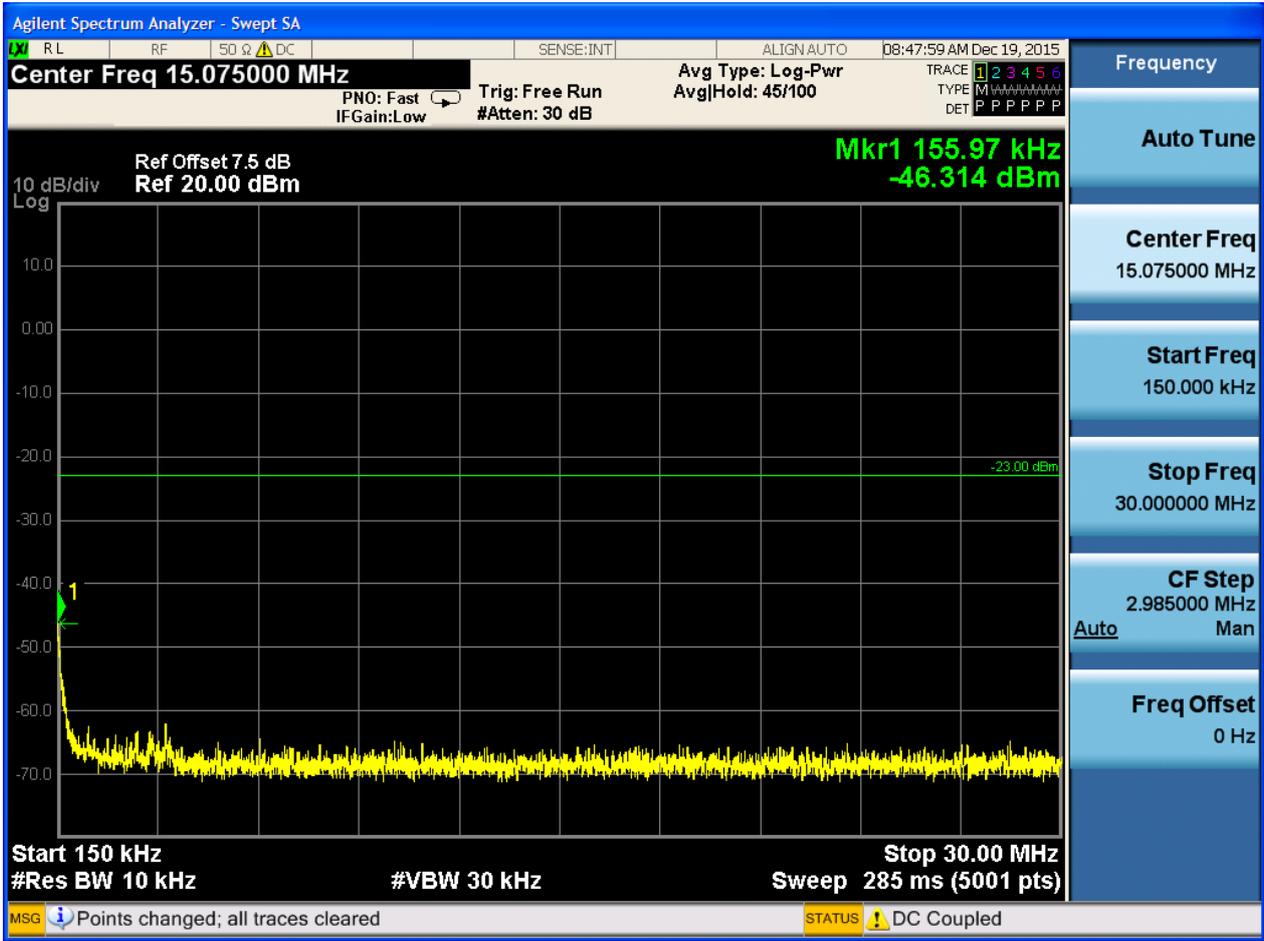


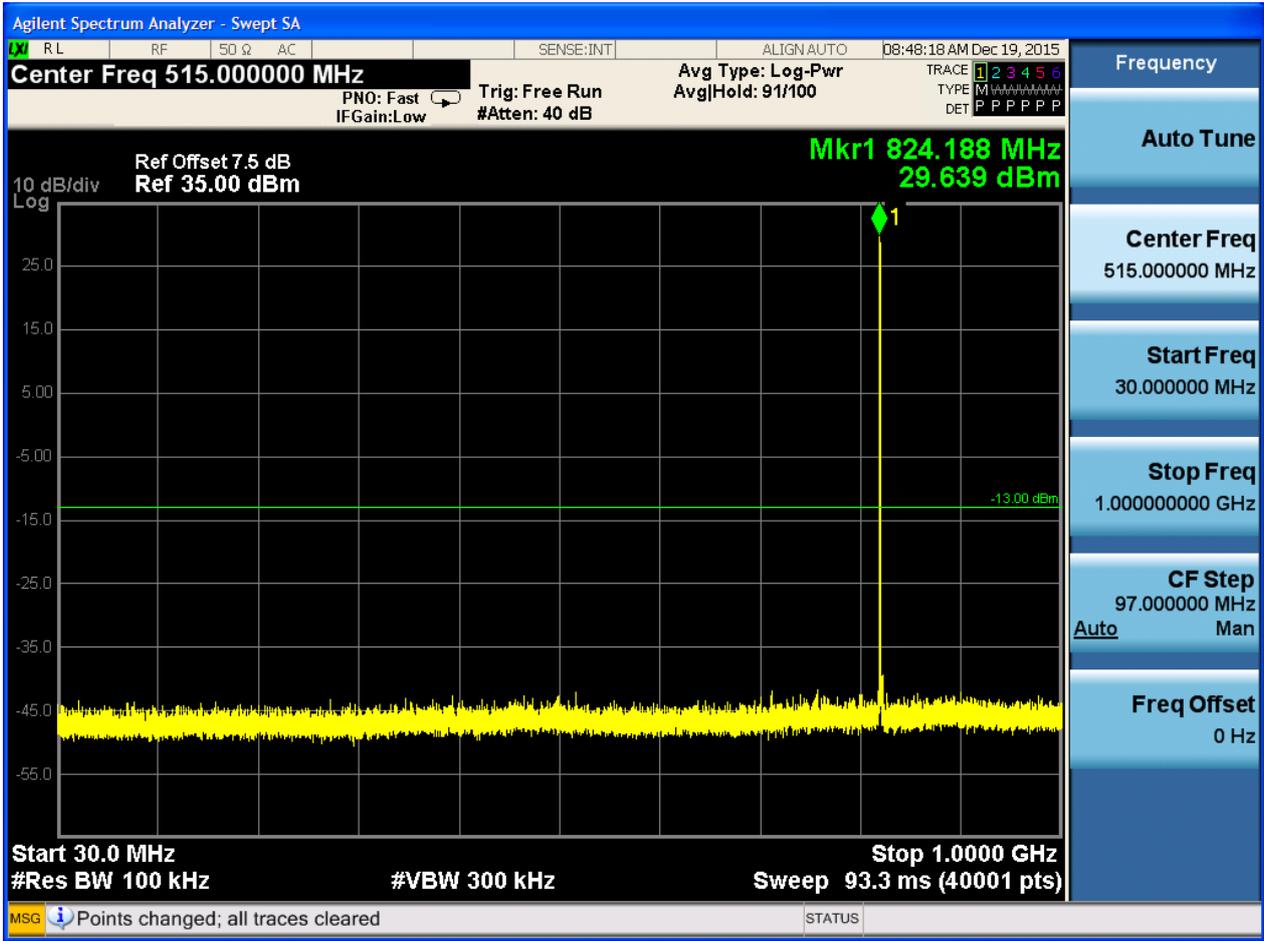


6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH

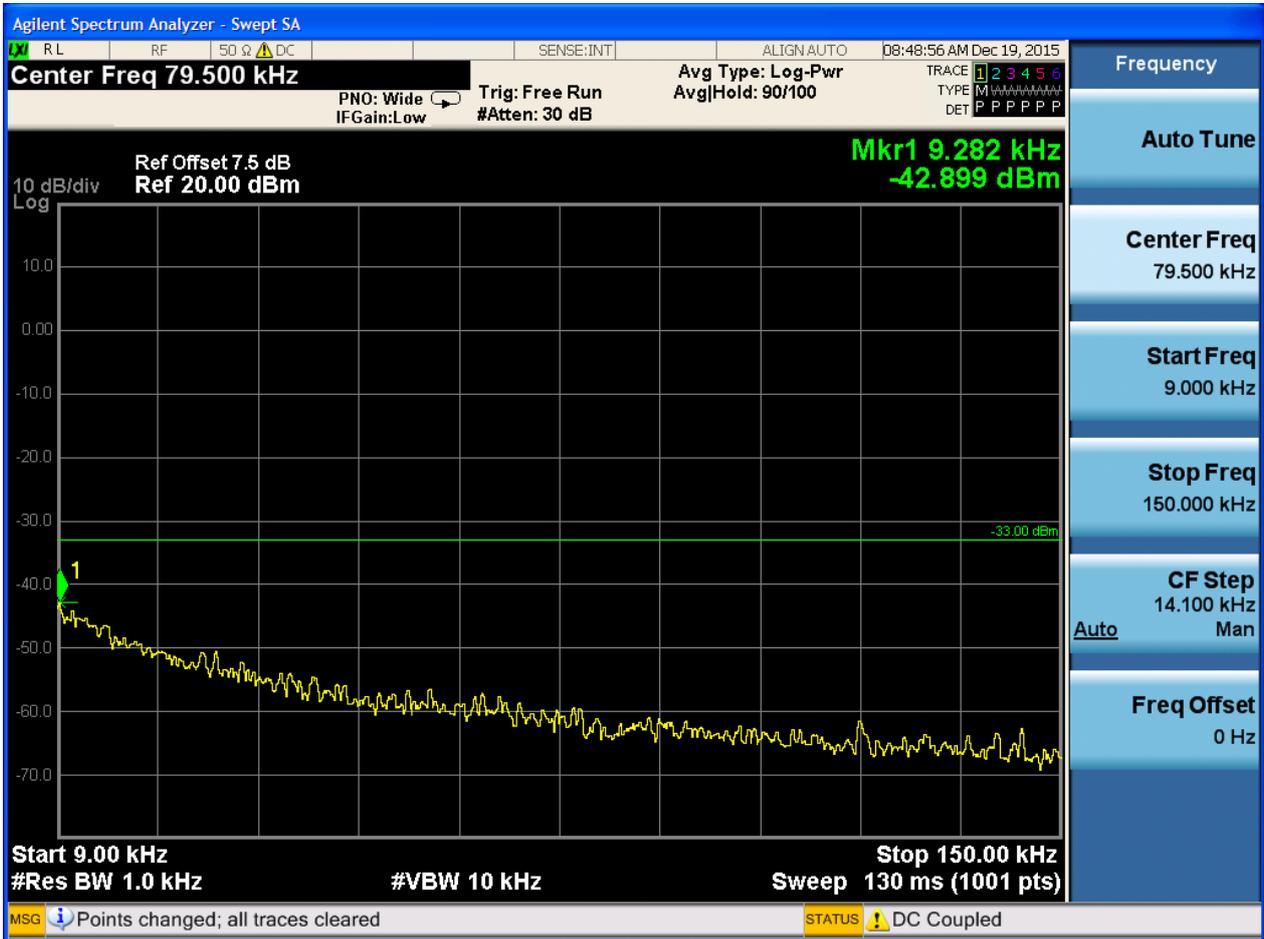


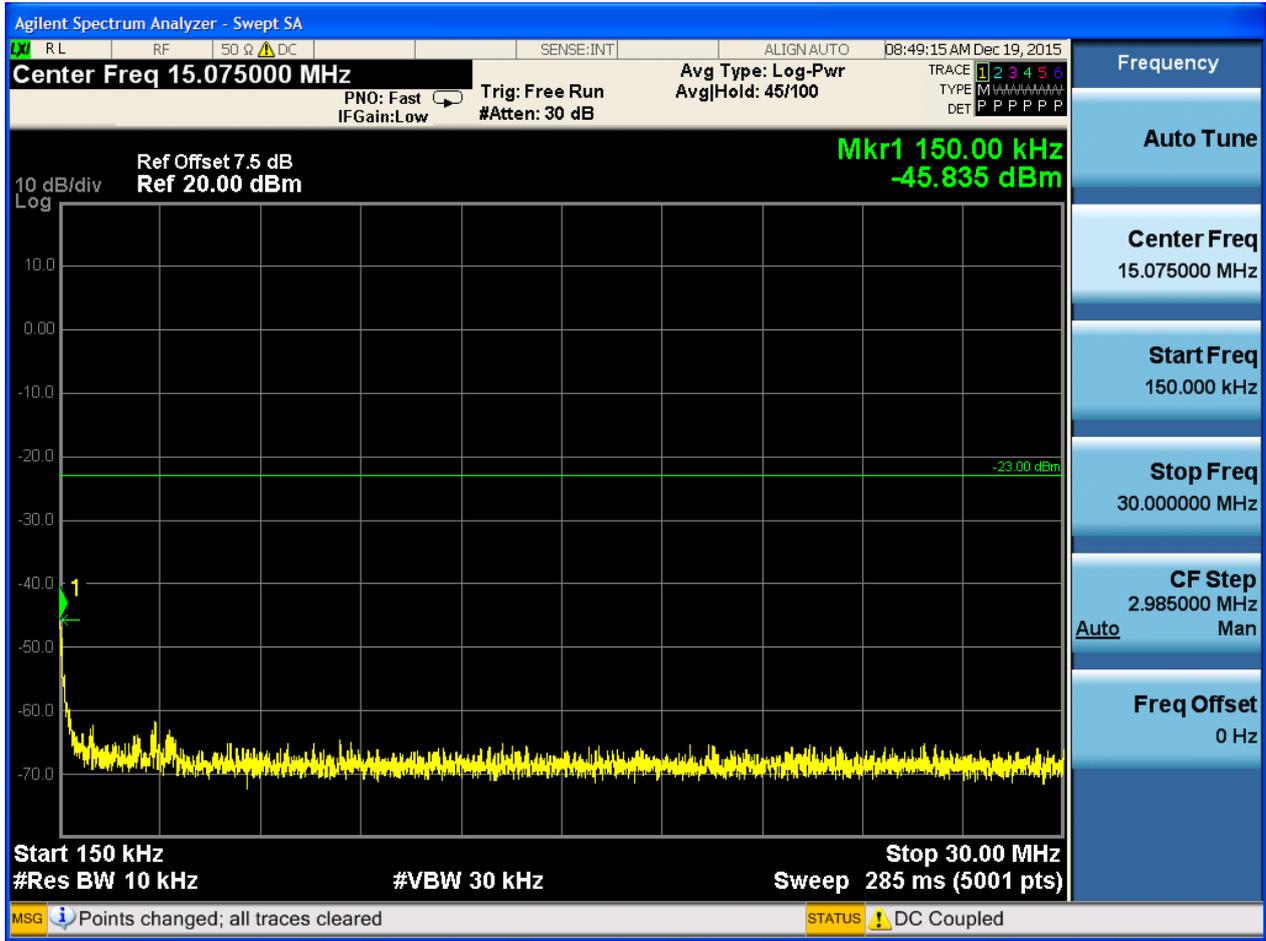


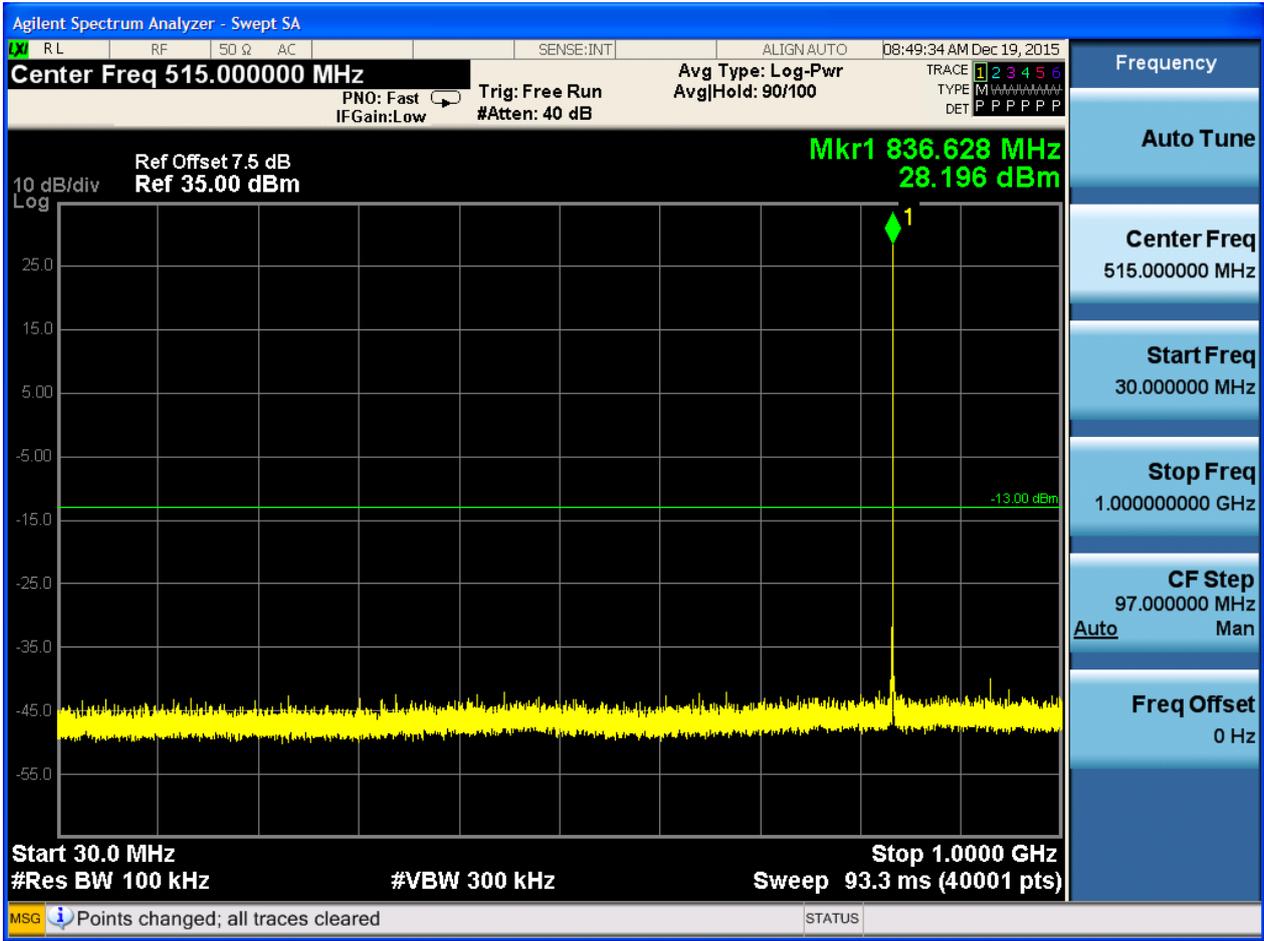


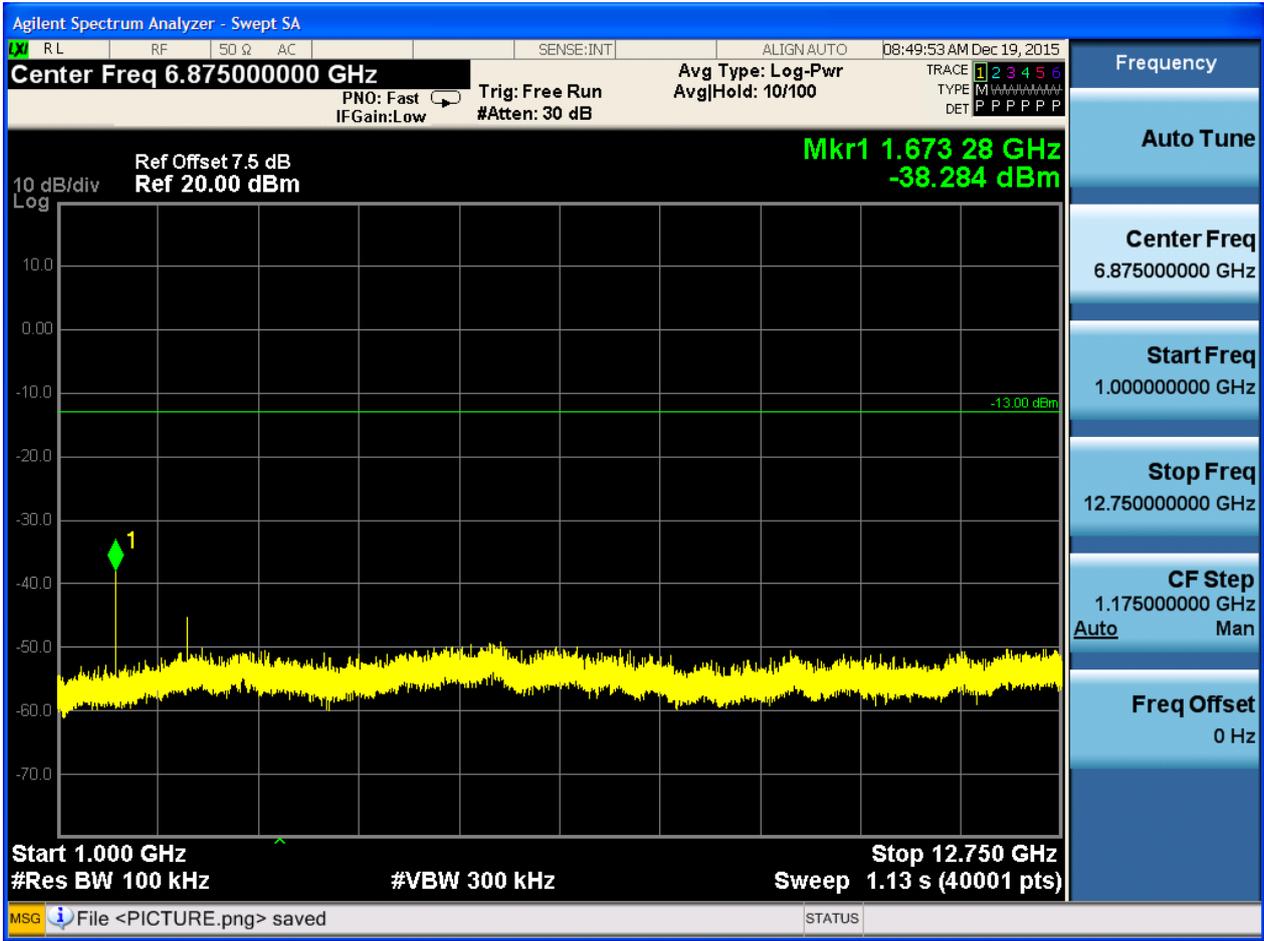


6.1.1.2.2 Test Channel = MCH

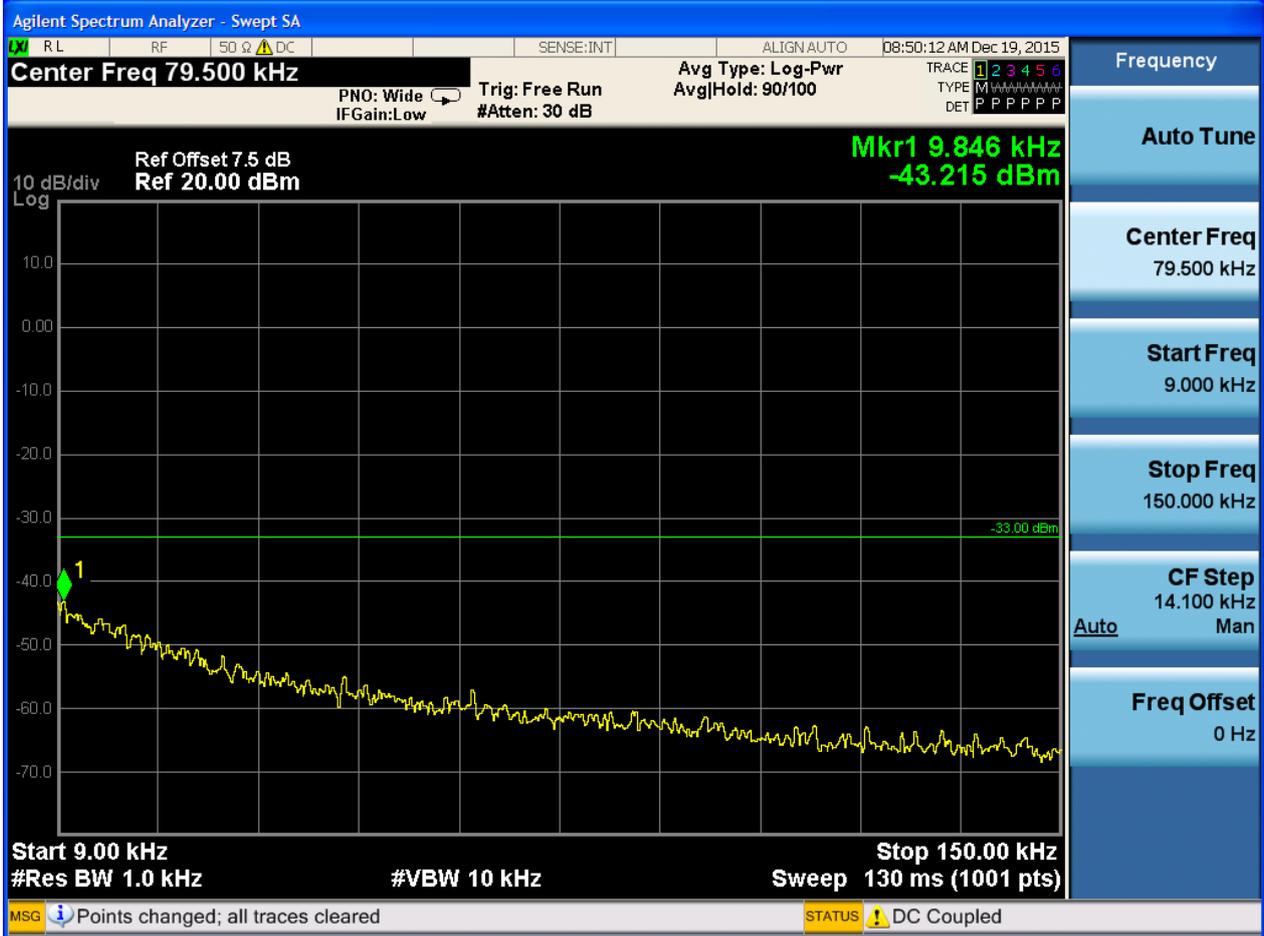


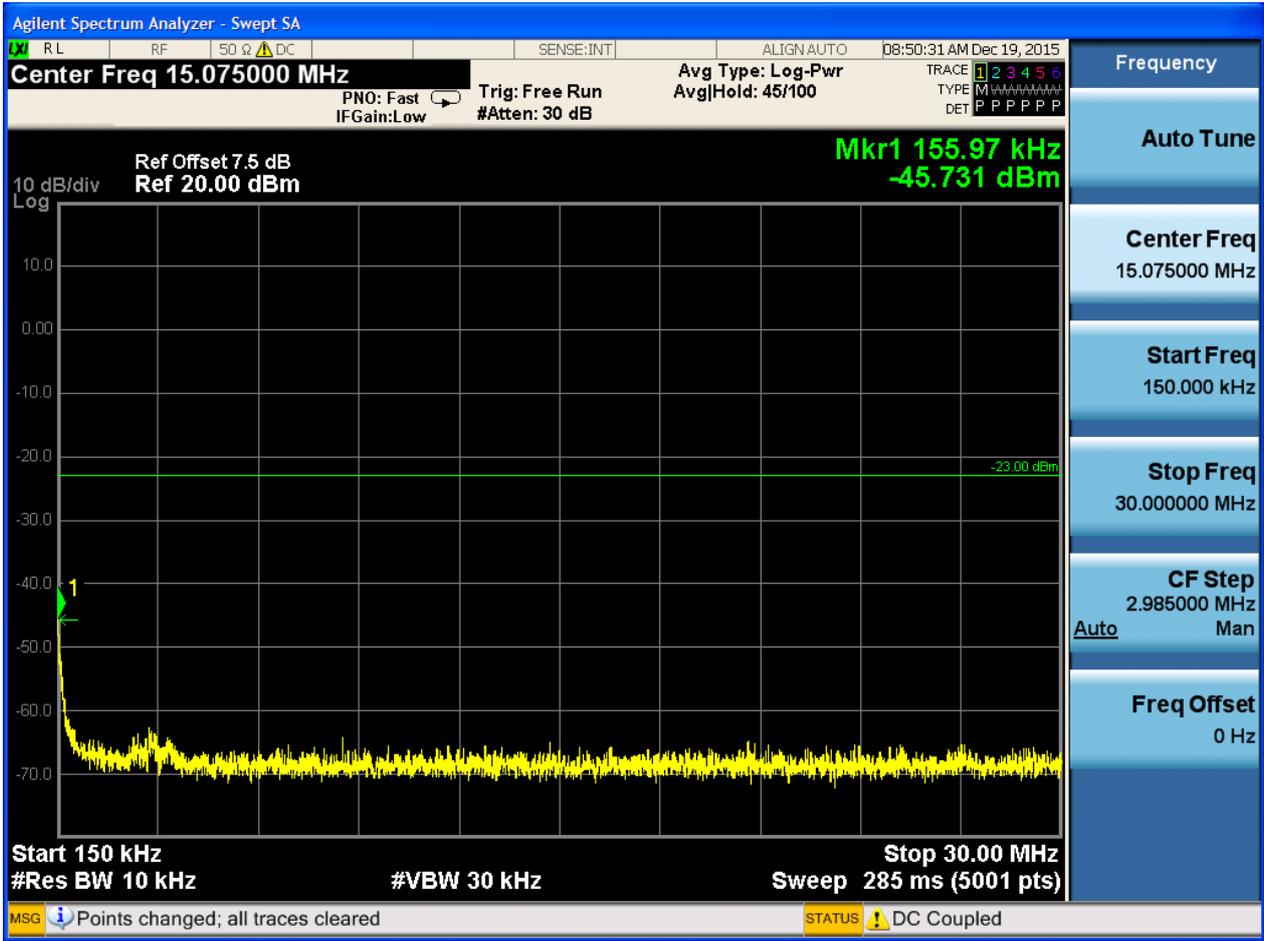


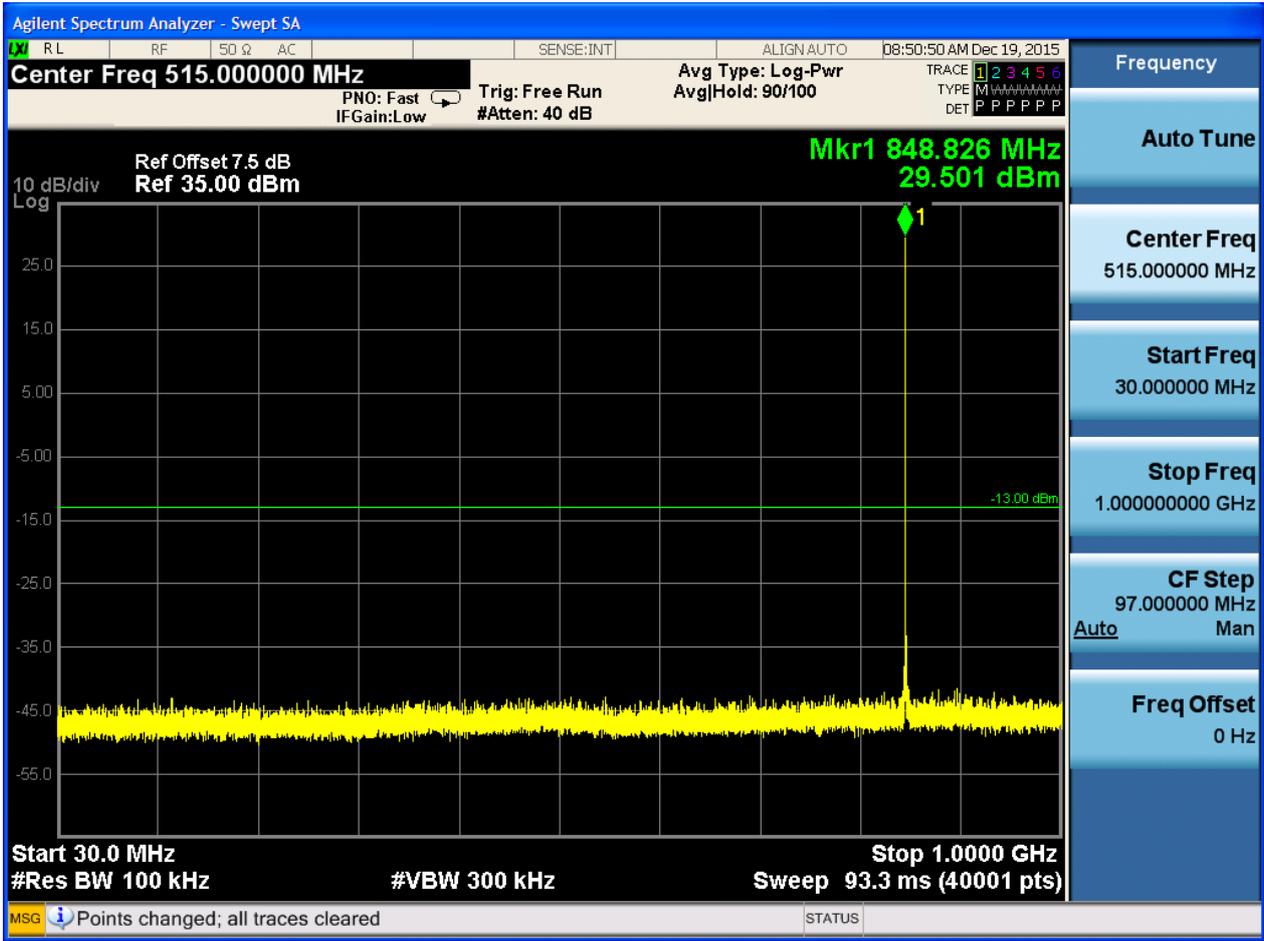


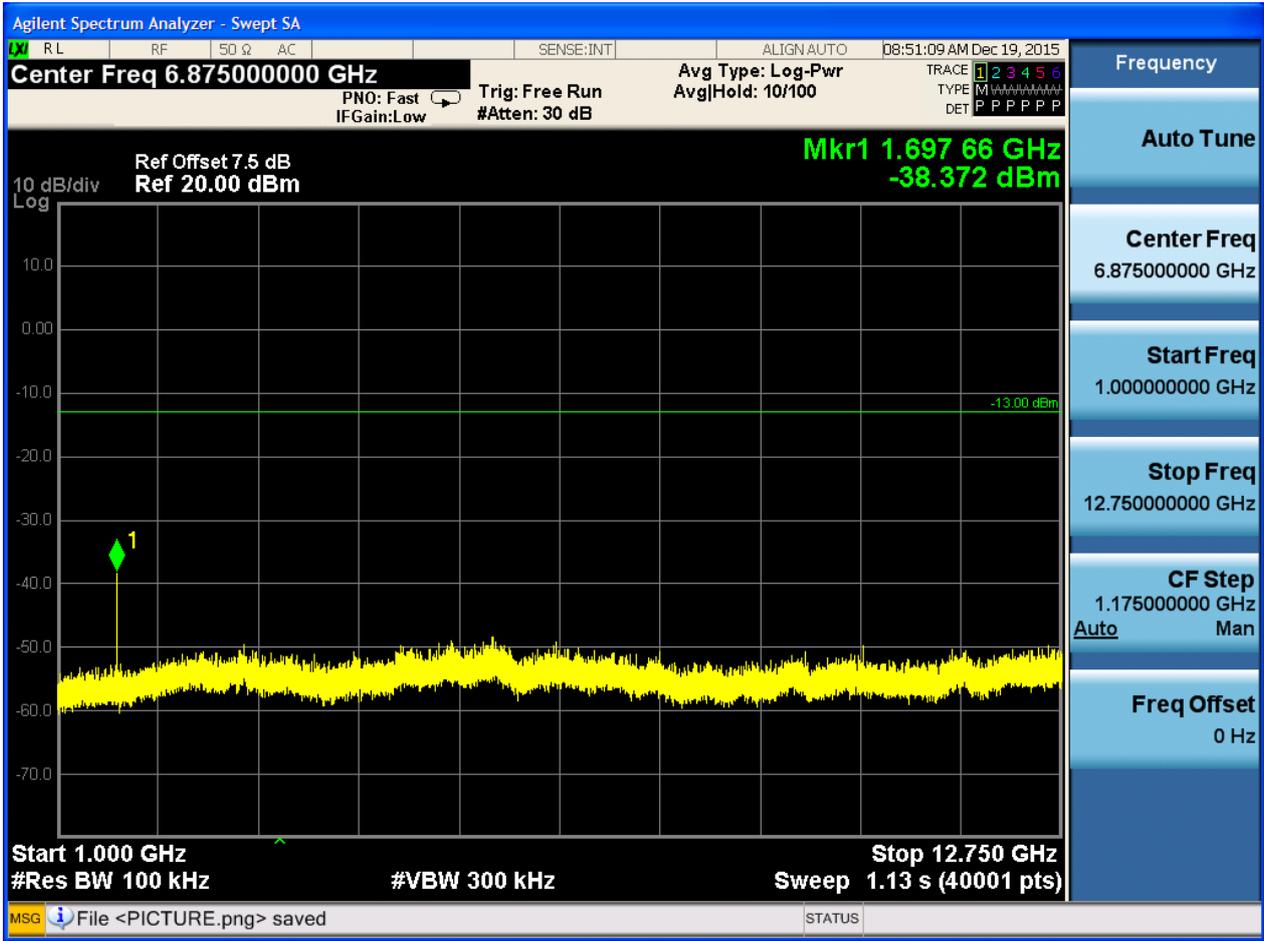


6.1.1.2.3 Test Channel = HCH









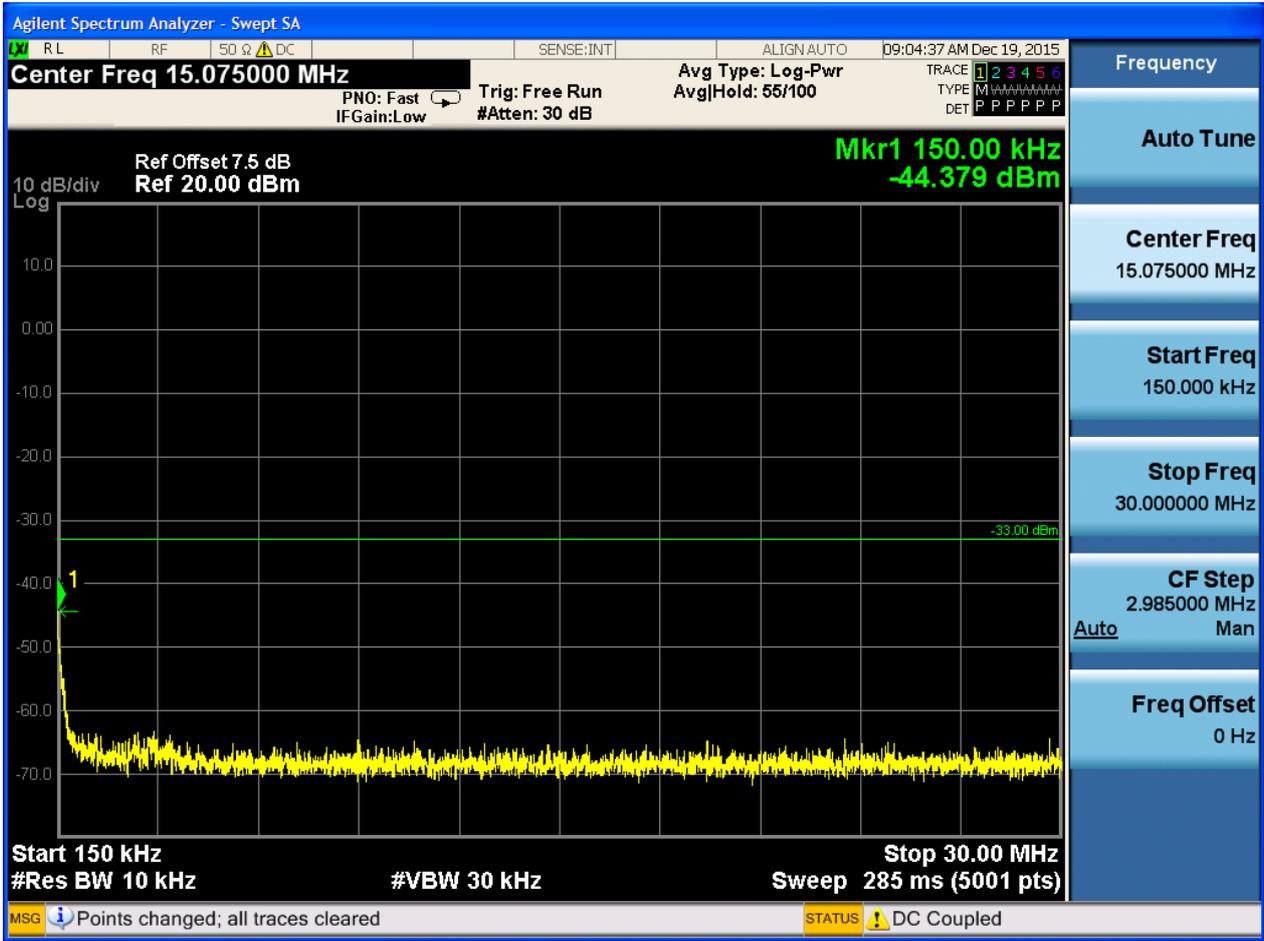


6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

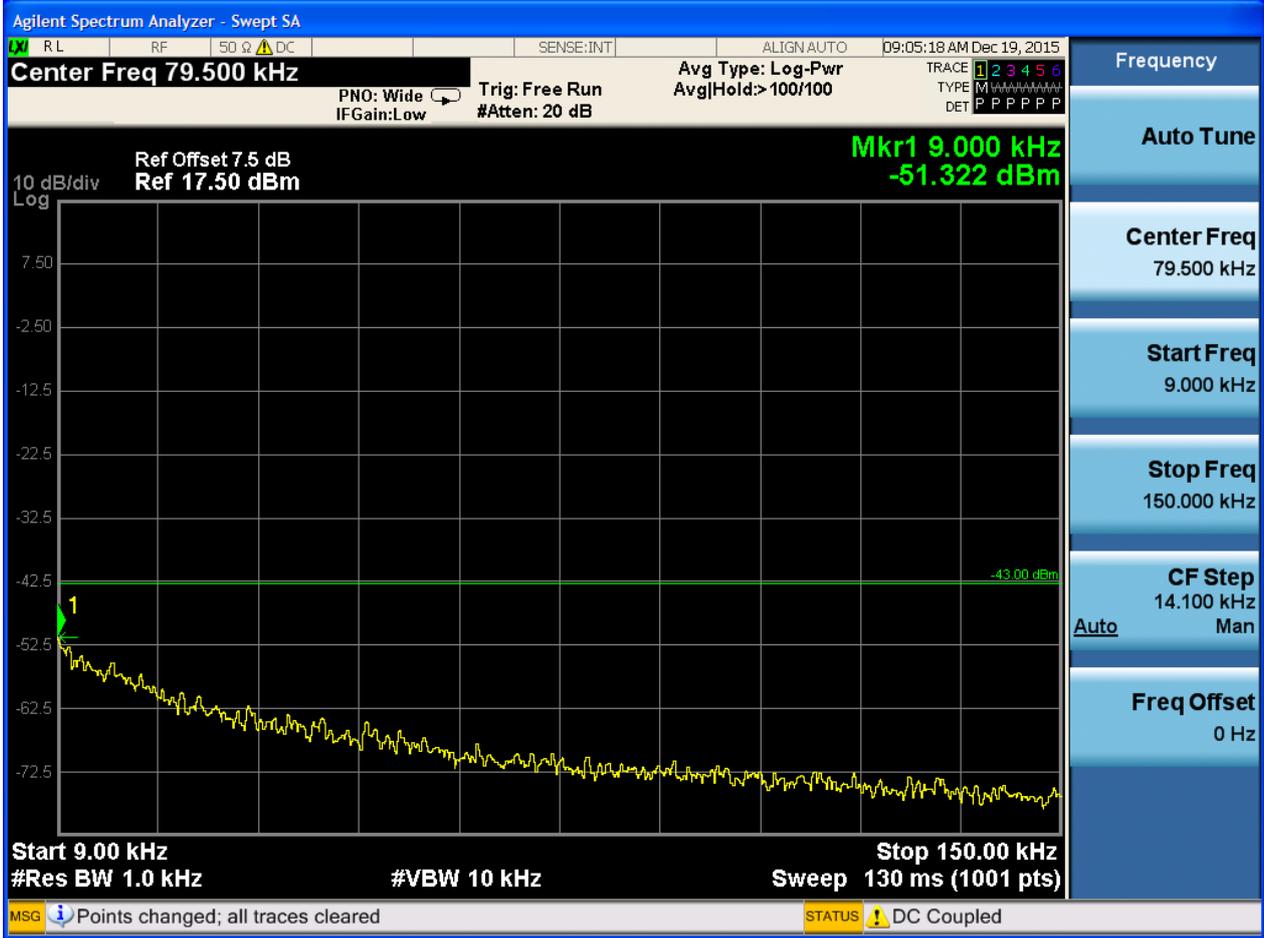


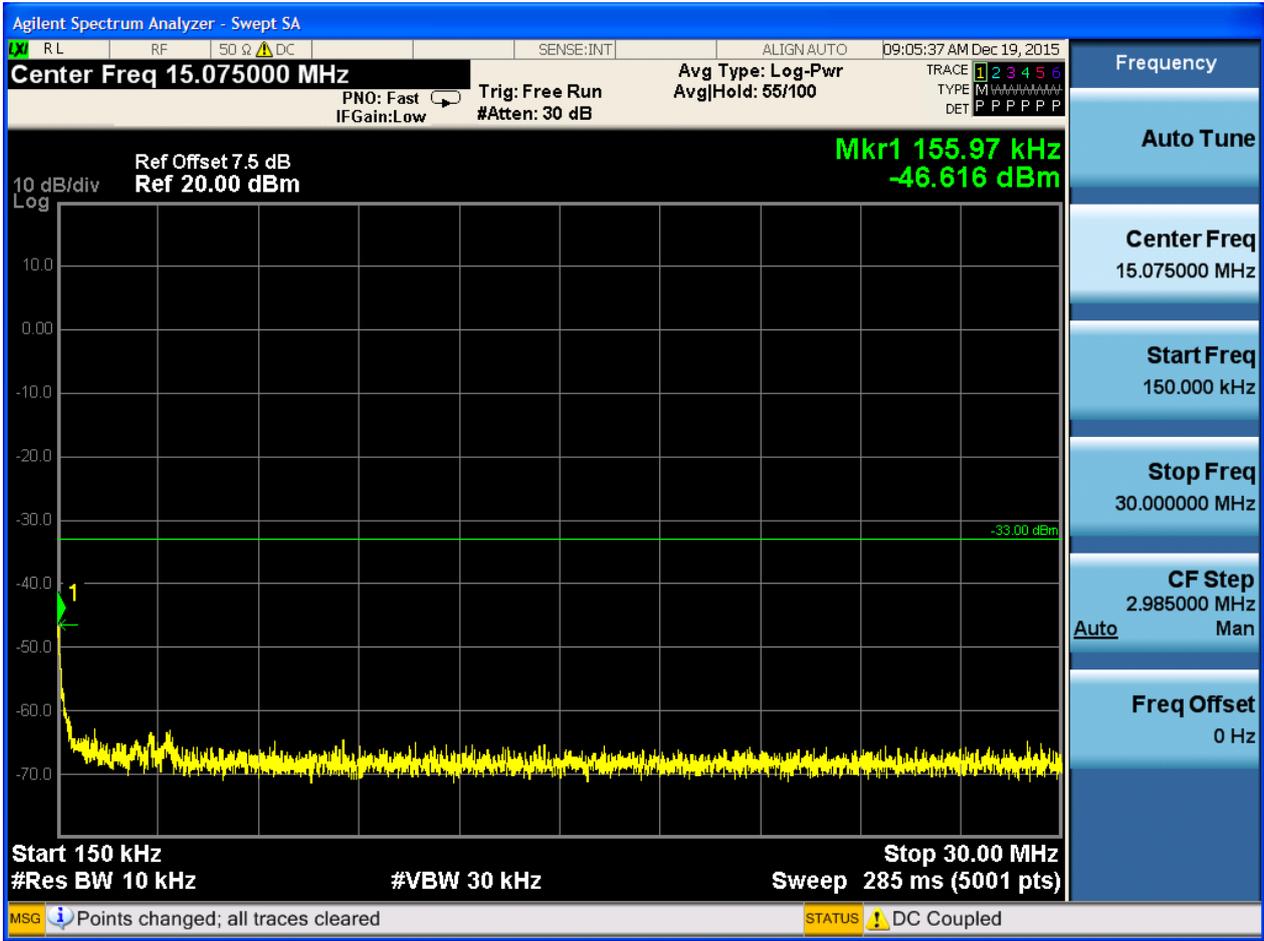


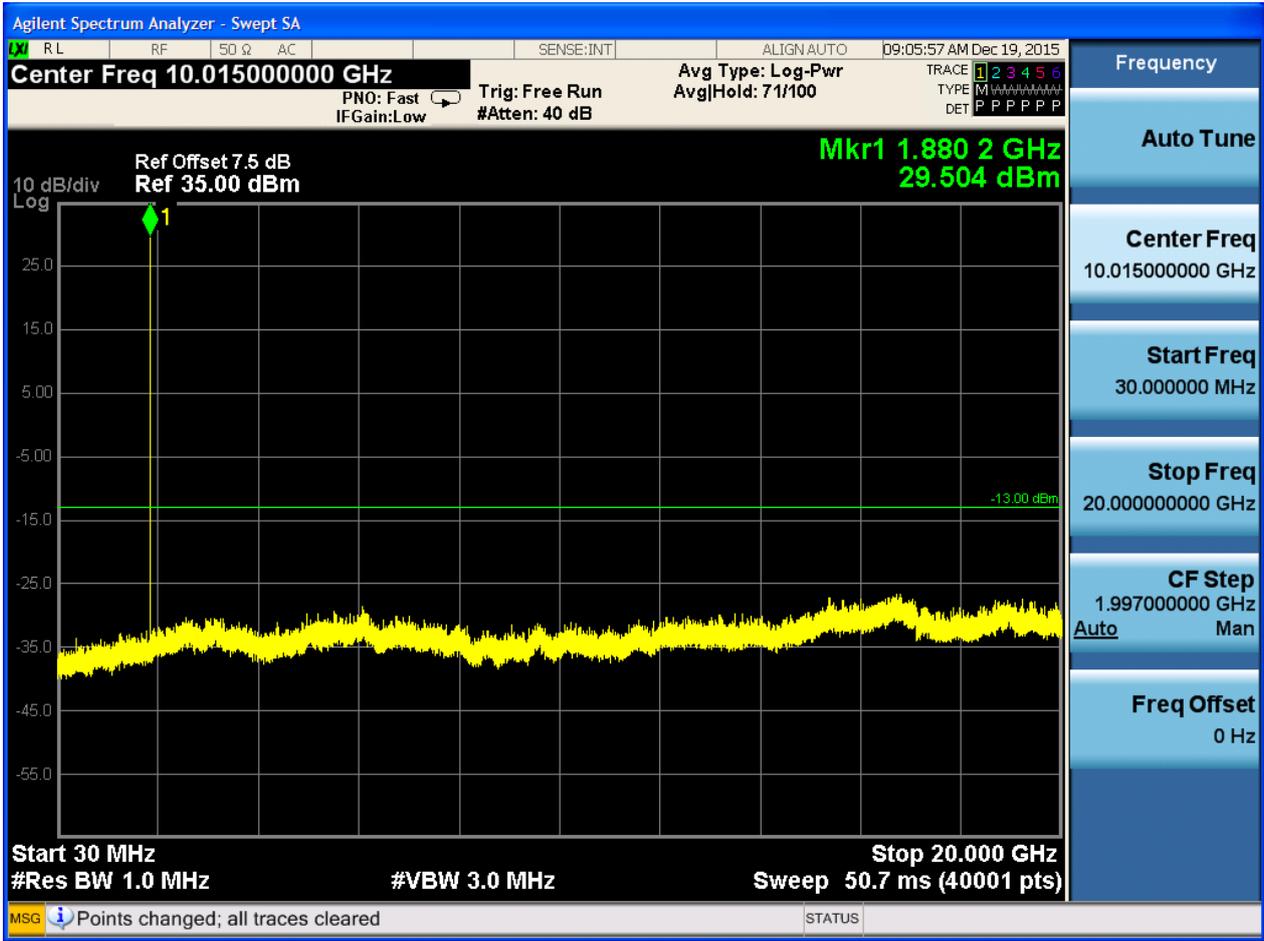




6.1.2.1.2 Test Channel = MCH

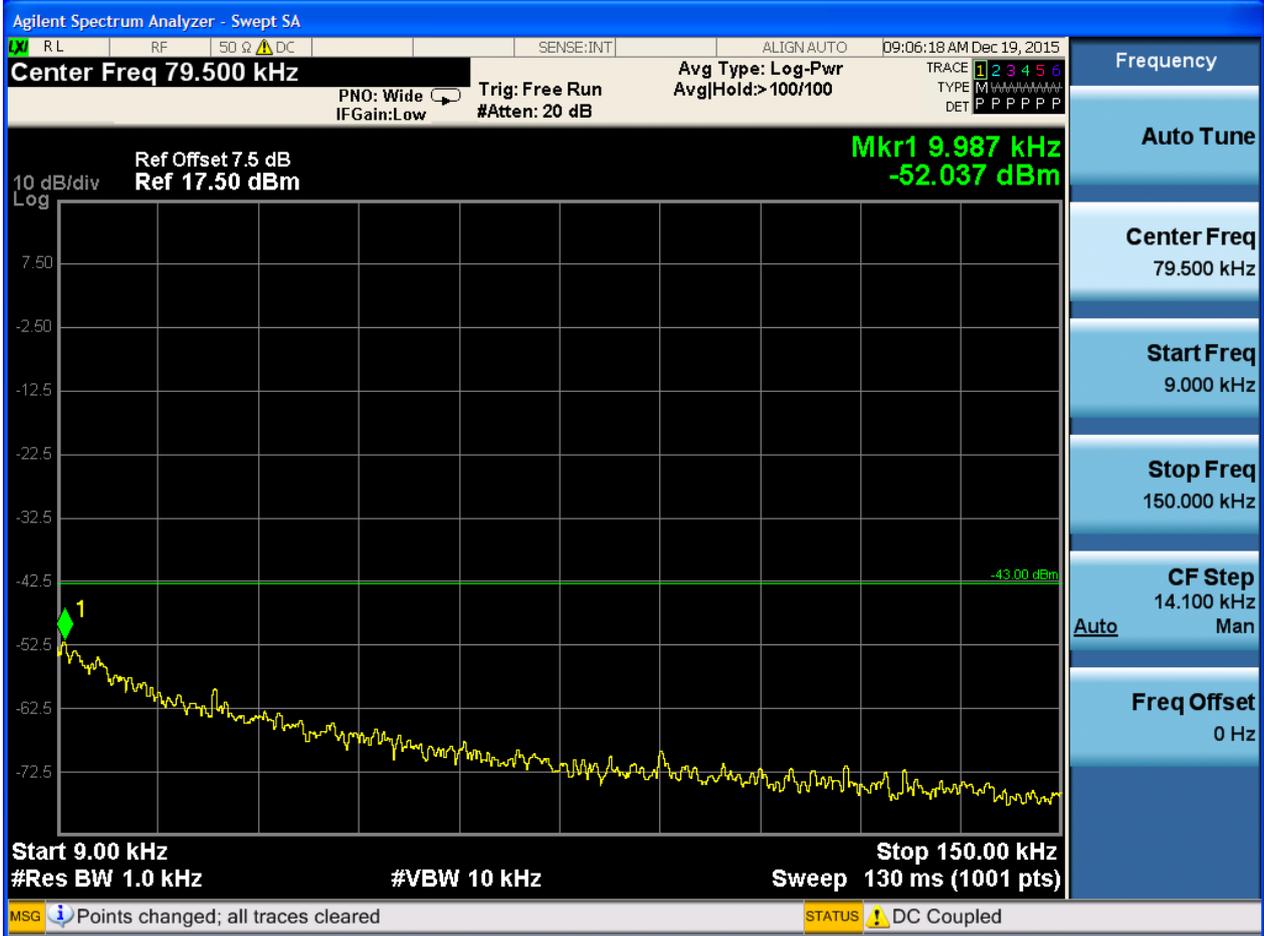


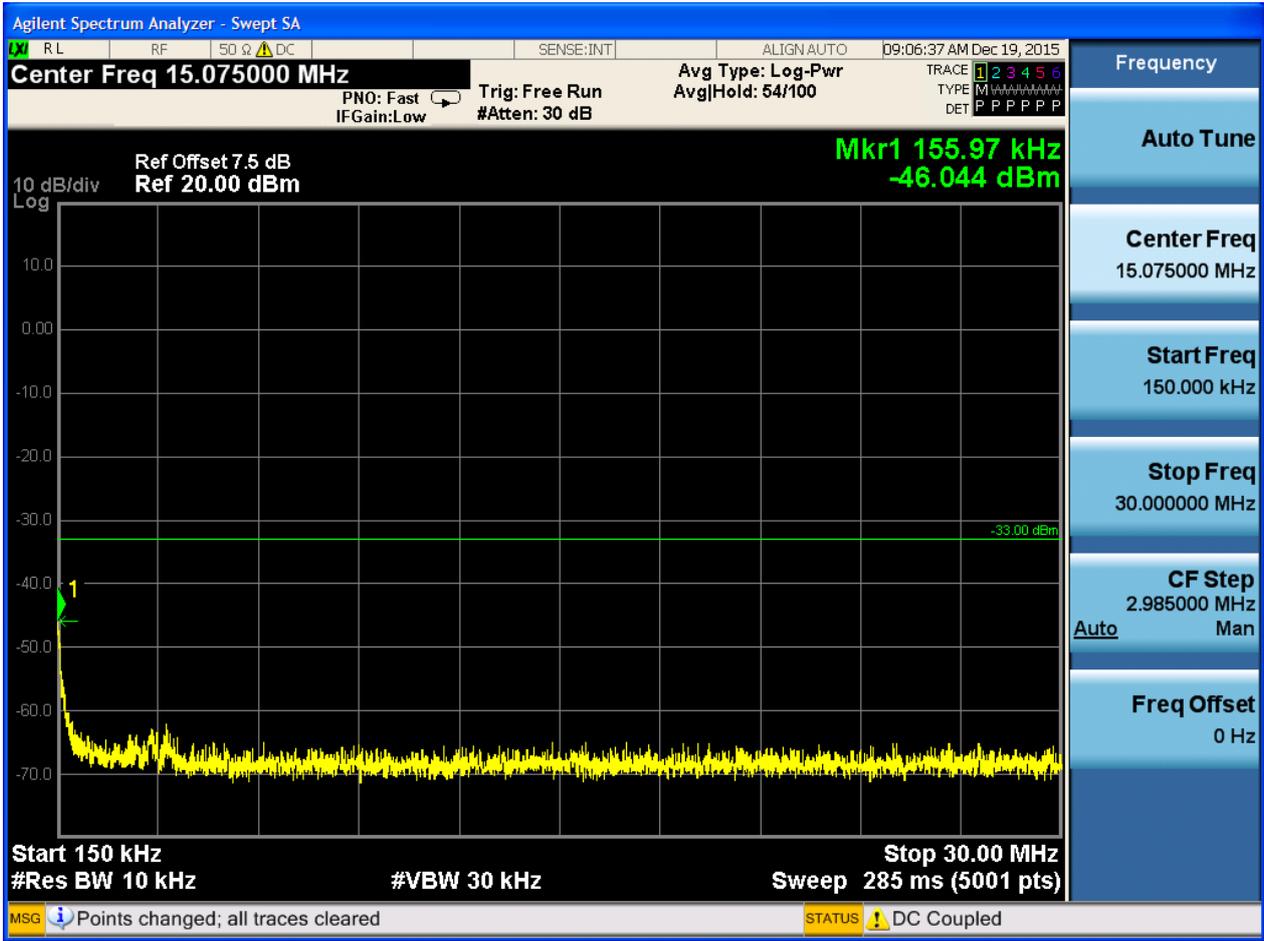


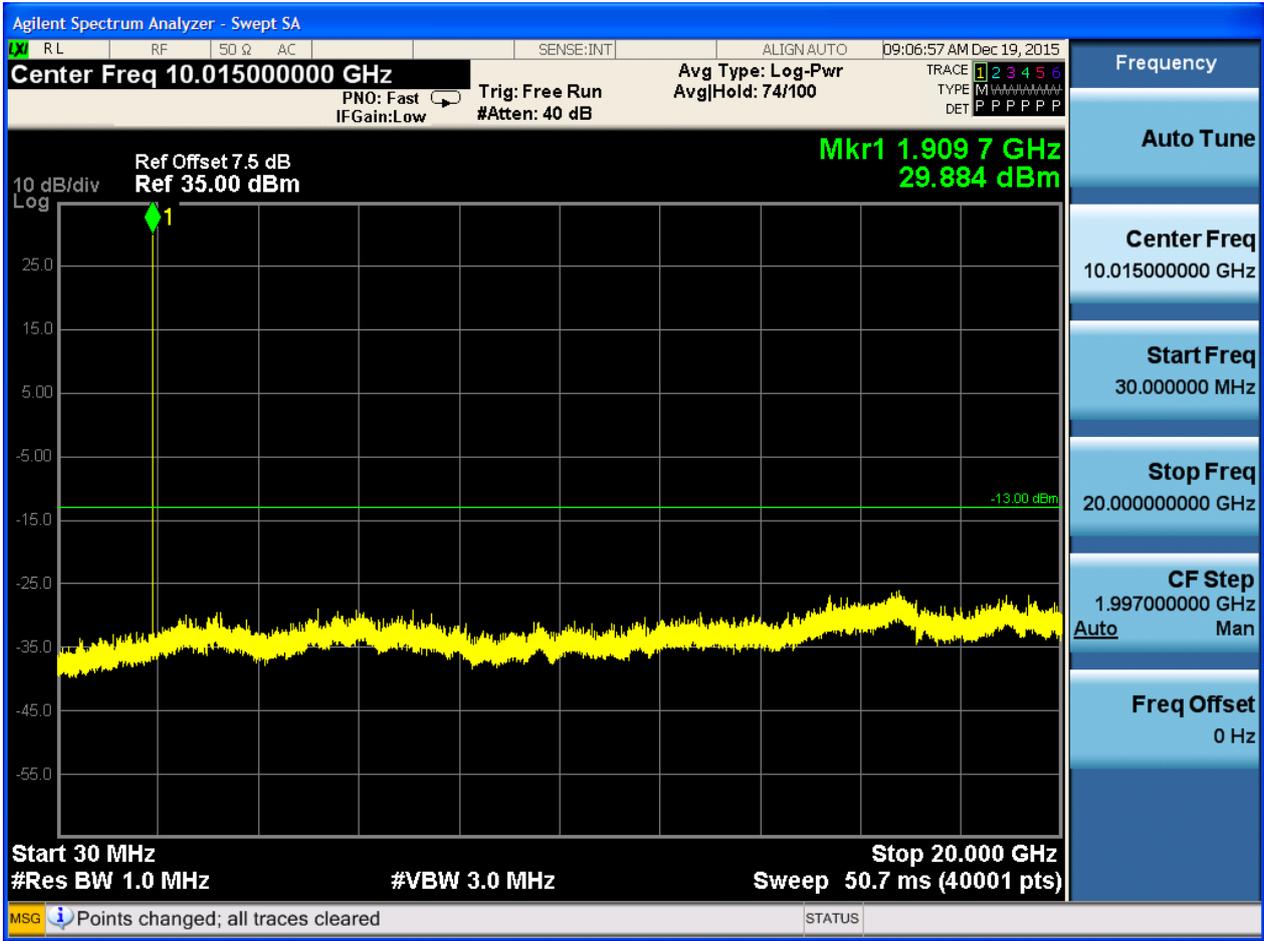




6.1.2.1.3 Test Channel = HCH



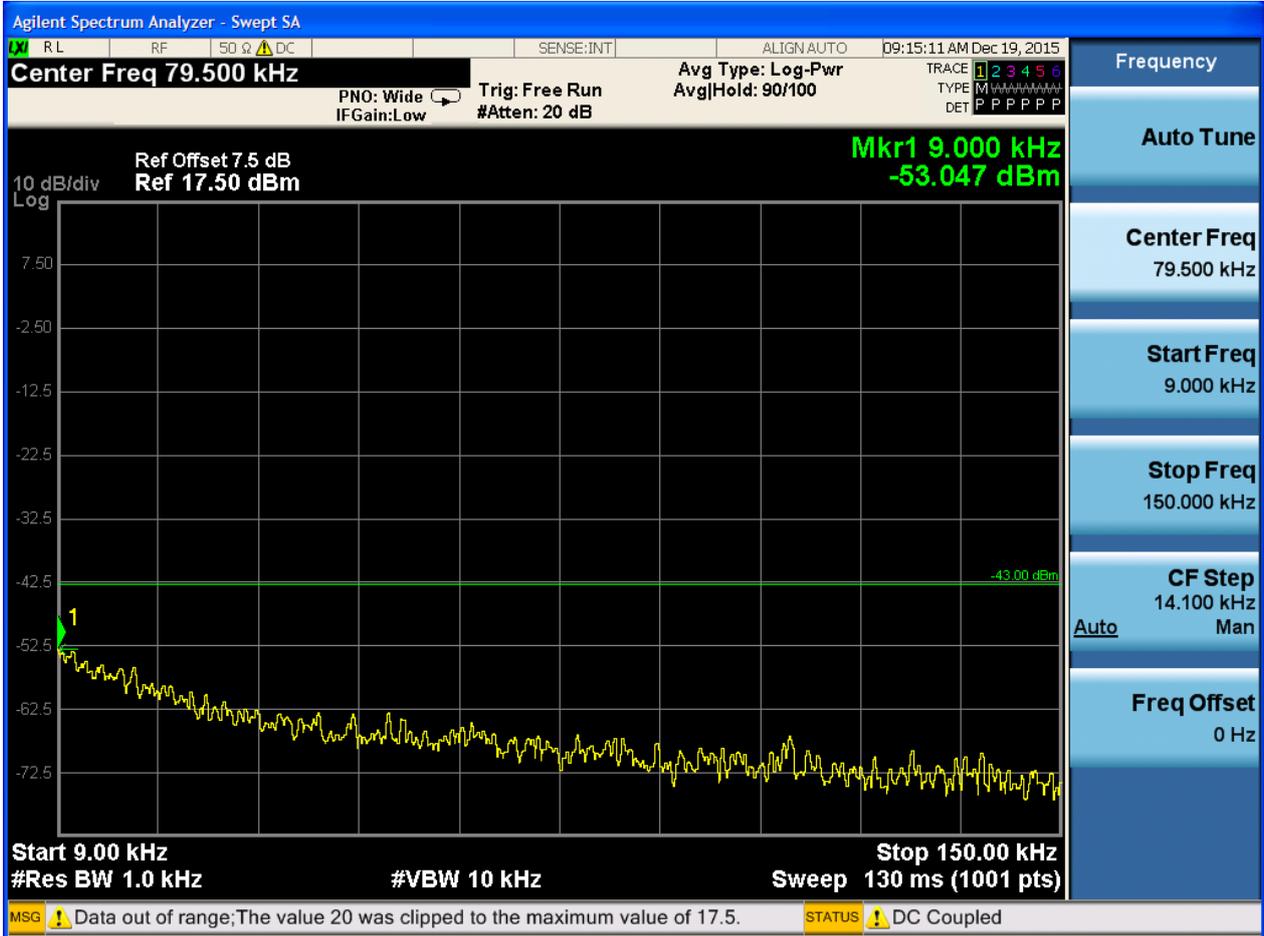


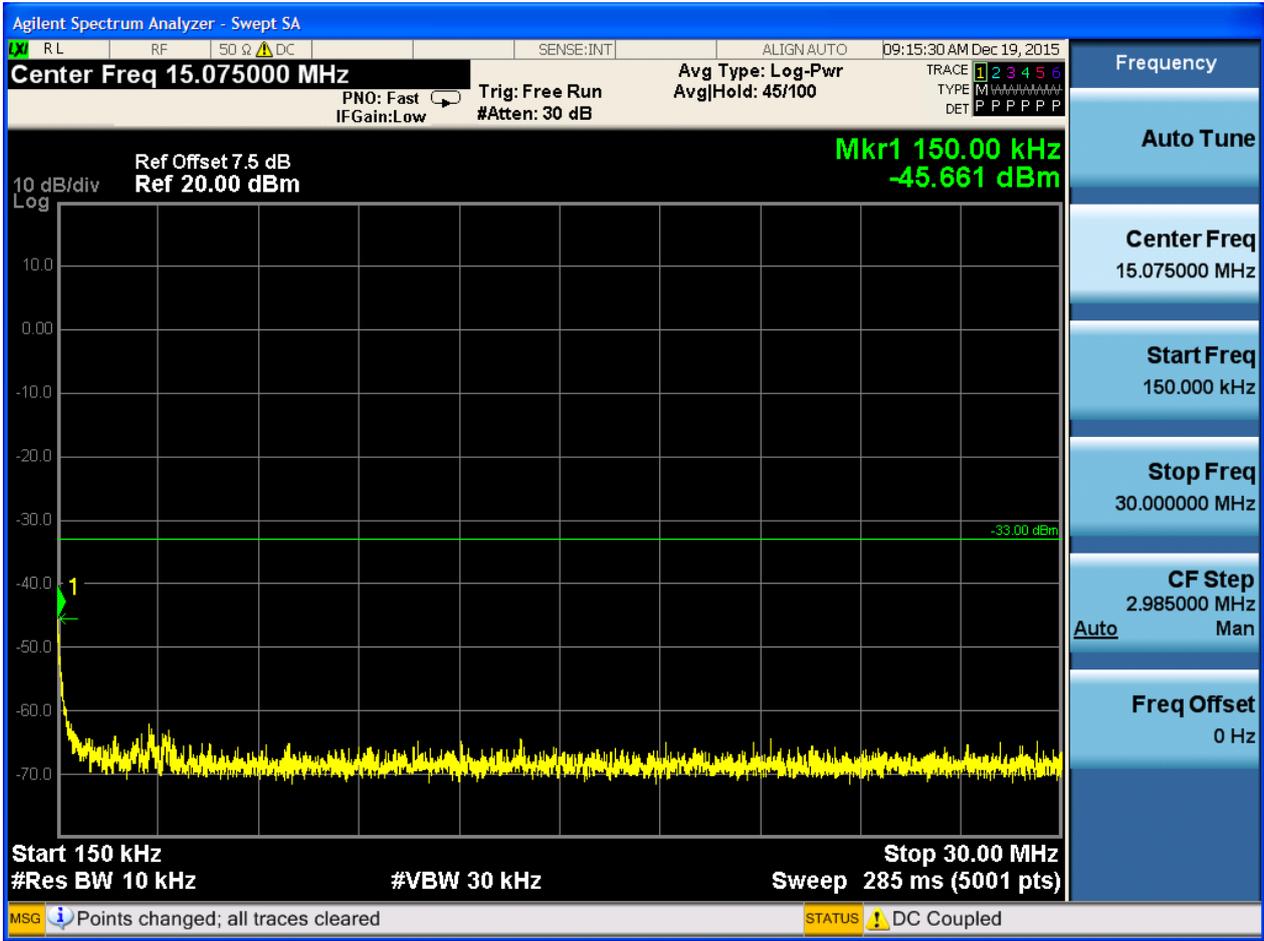


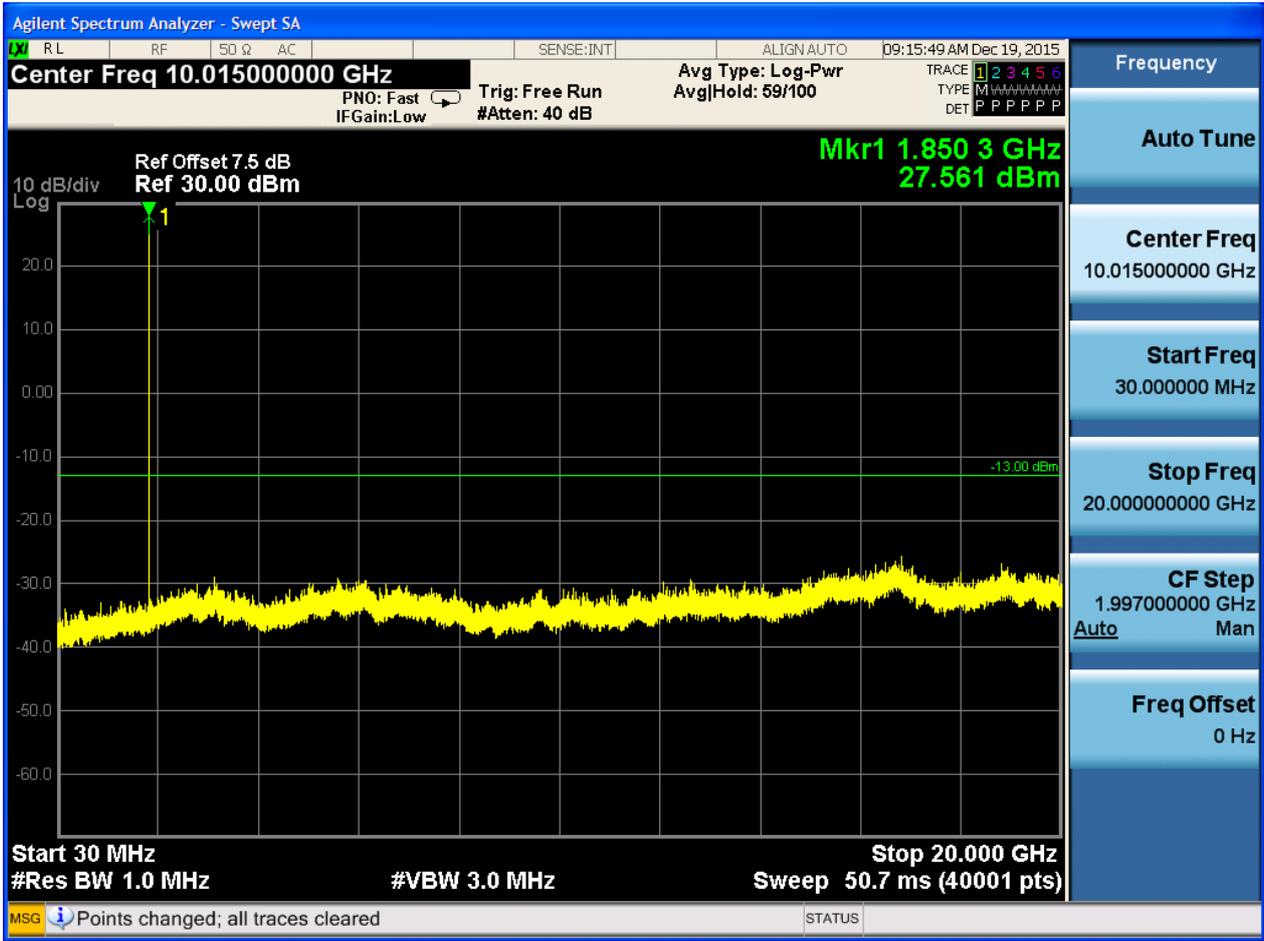


6.1.2.2 Test Mode = GSM/TM2

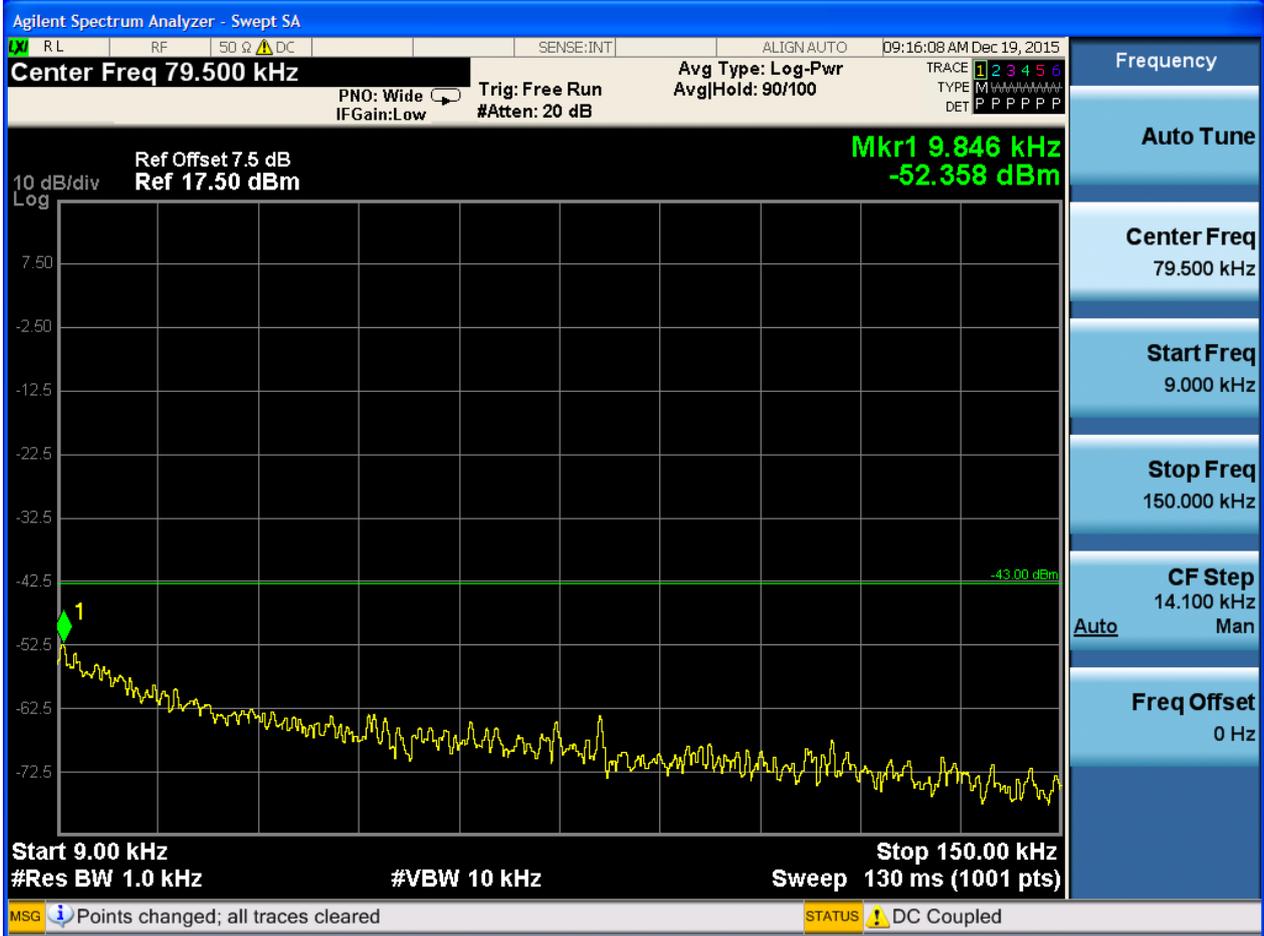
6.1.2.2.1 Test Channel = LCH

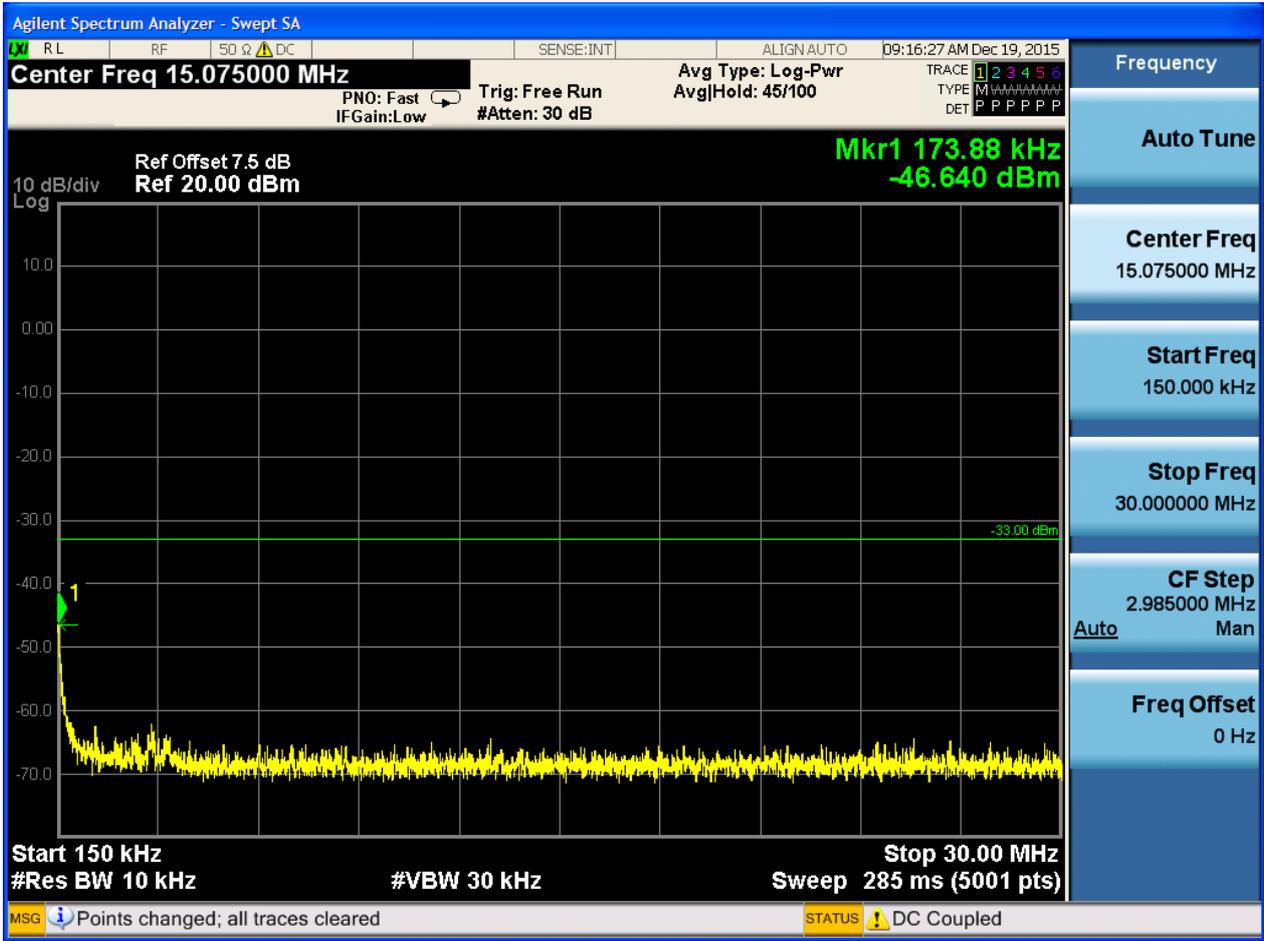


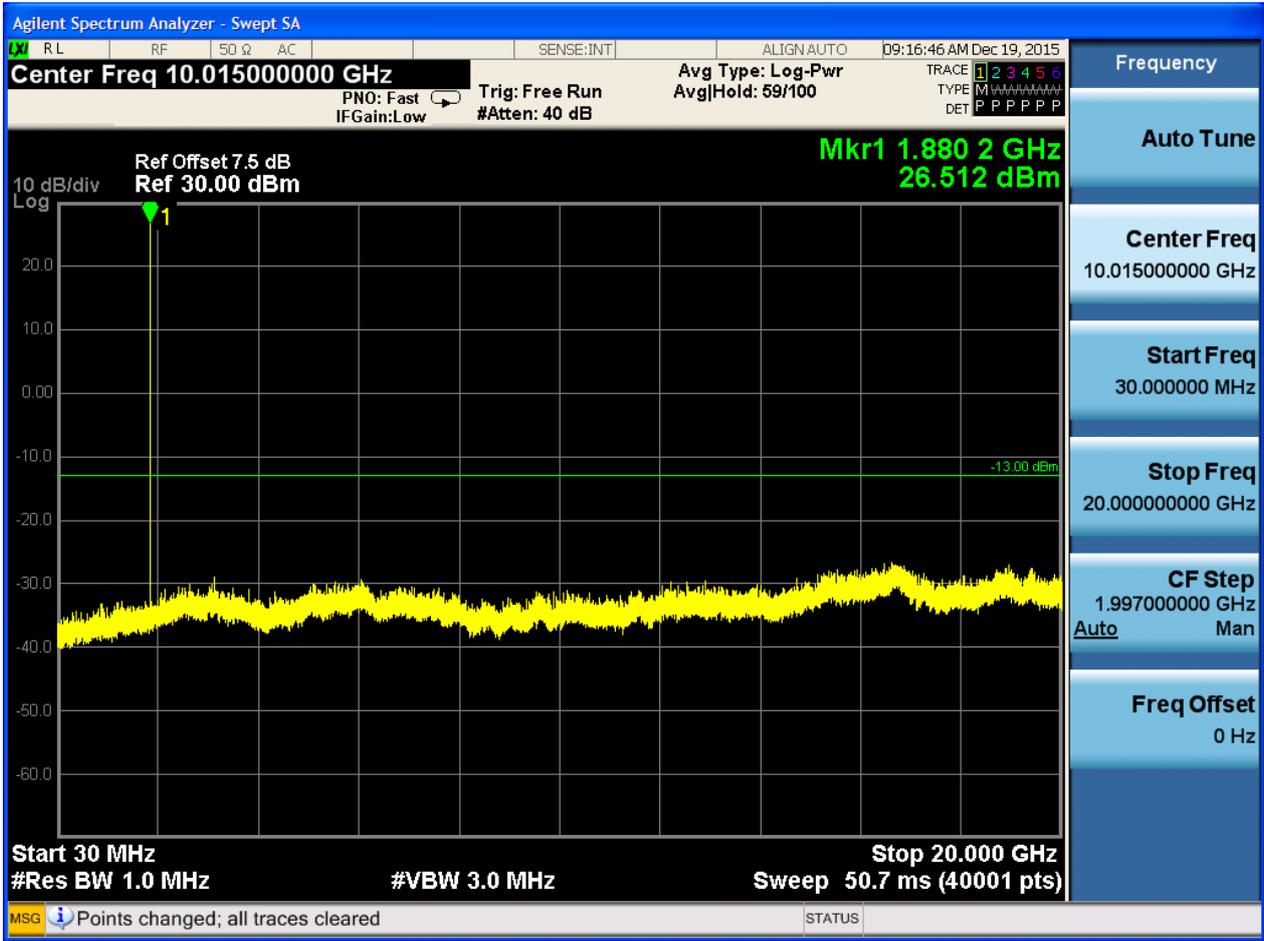




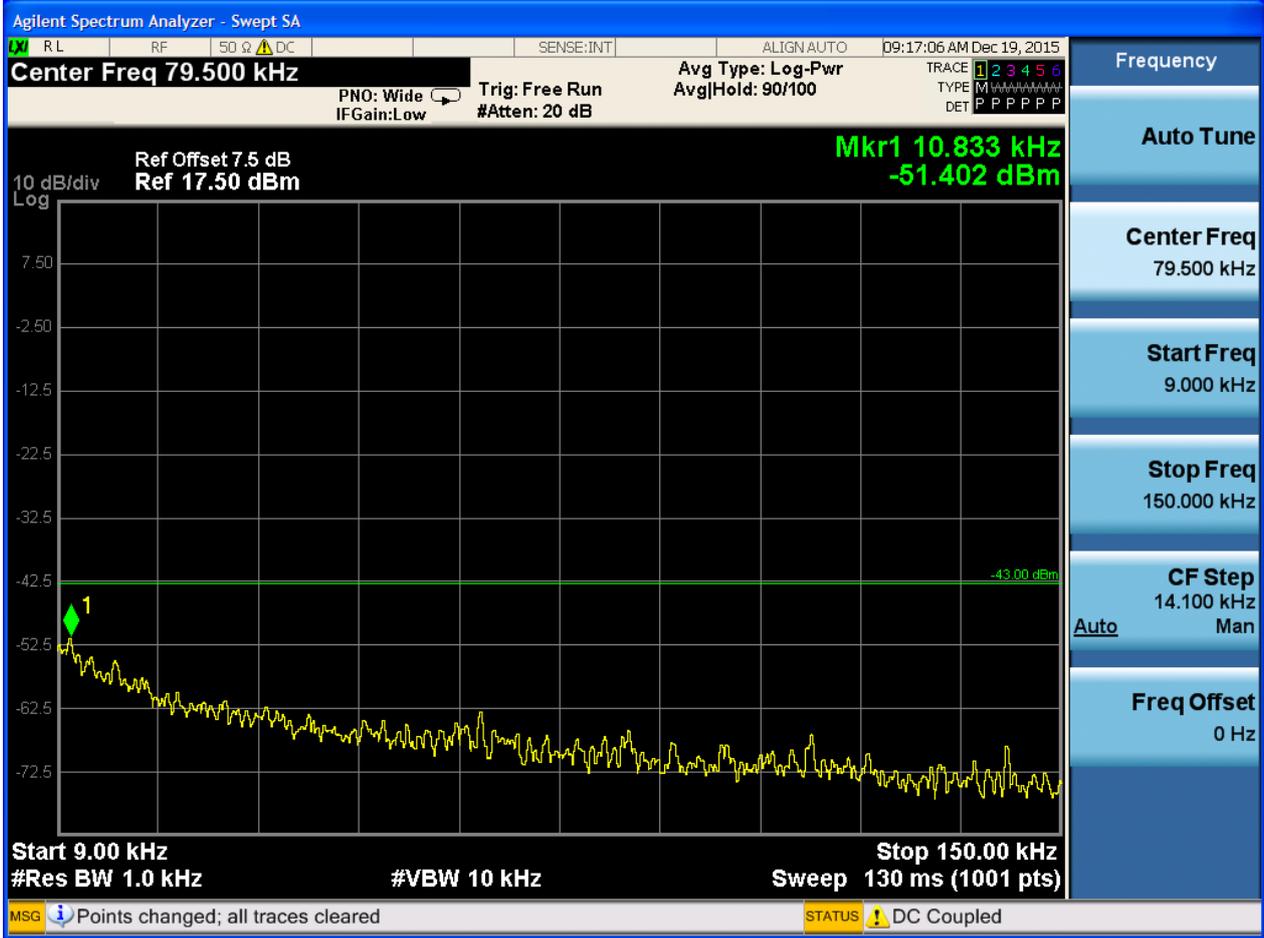
6.1.2.2.2 Test Channel = MCH

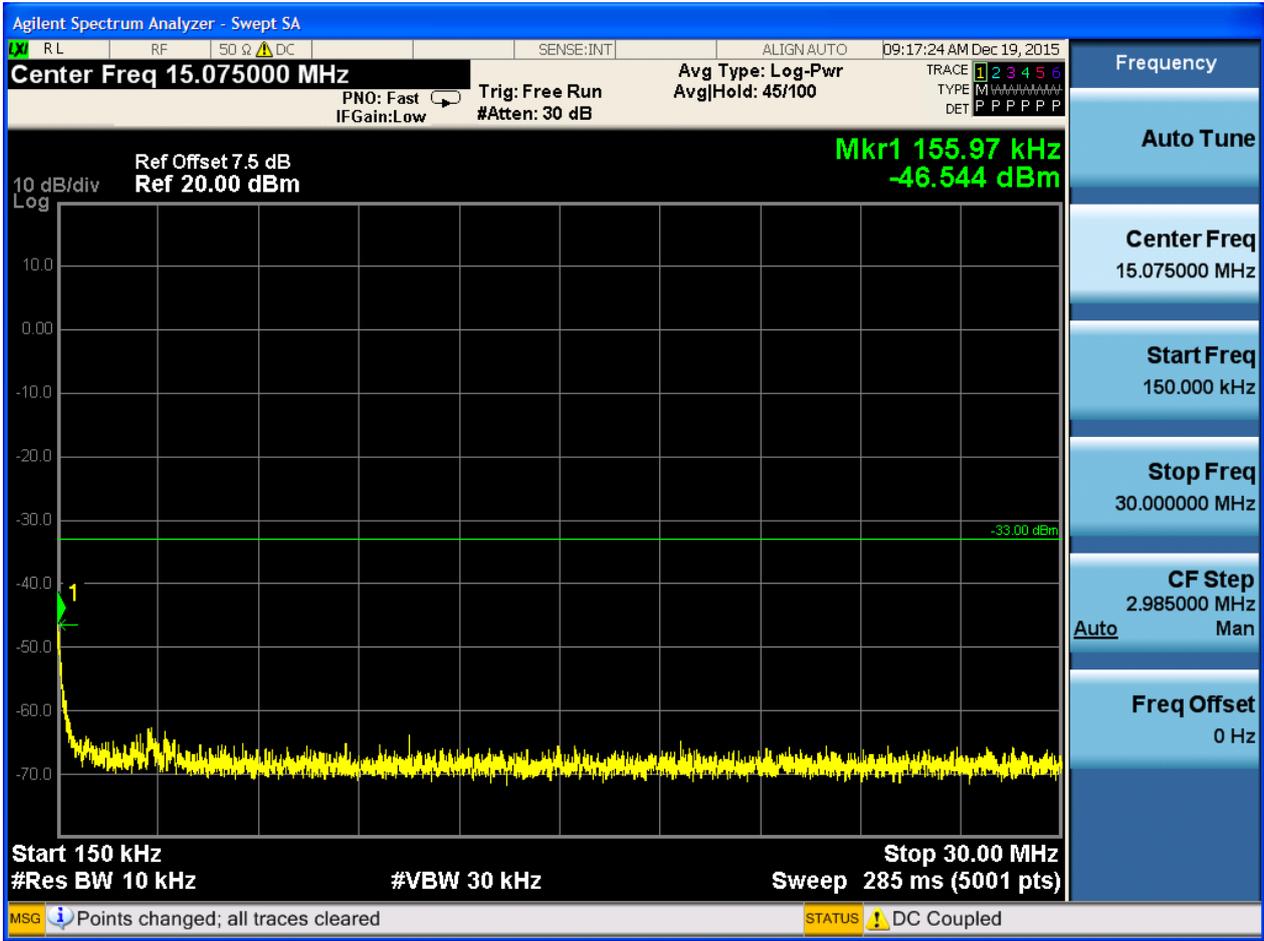


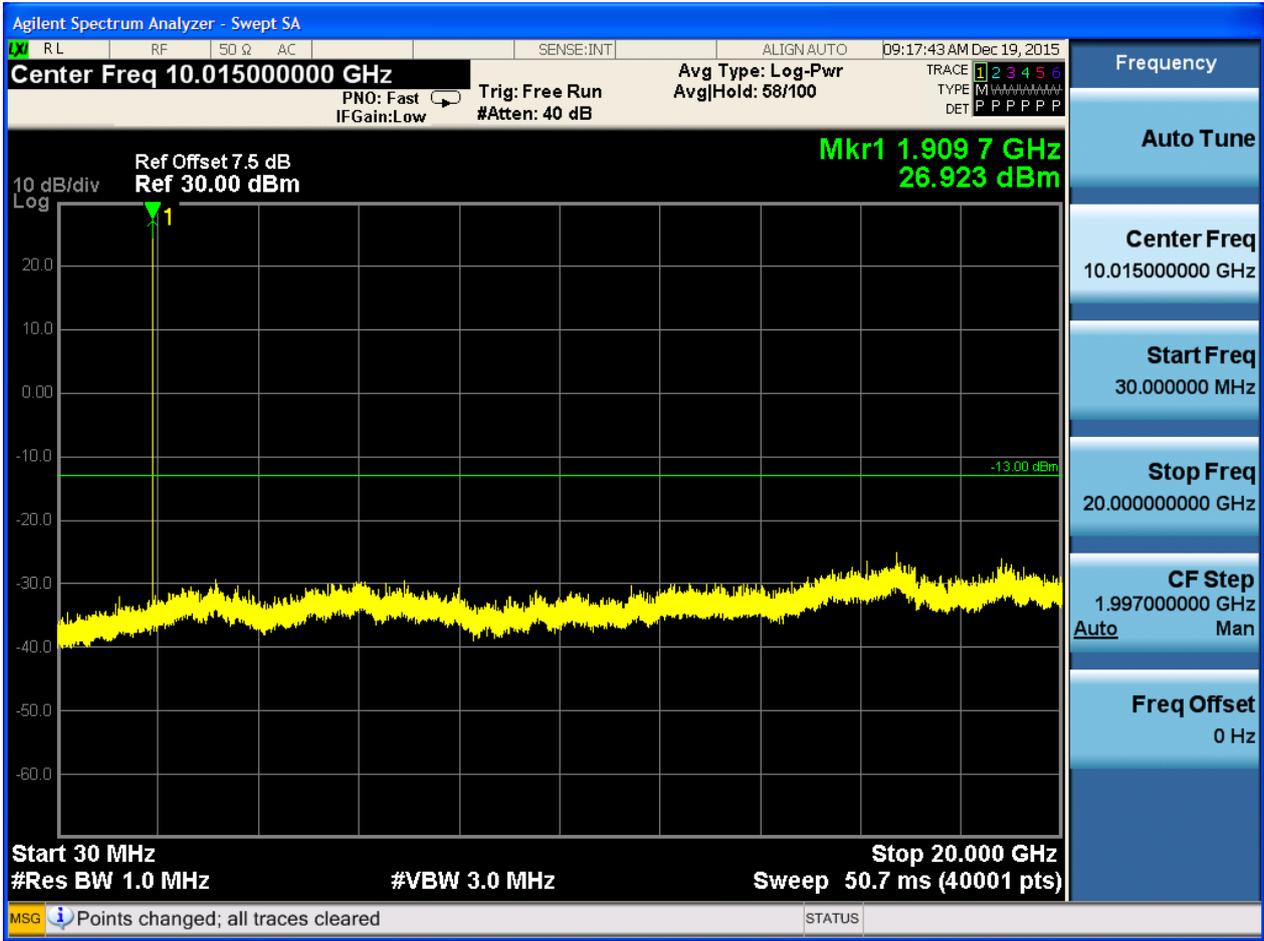




6.1.2.2.3 Test Channel = HCH







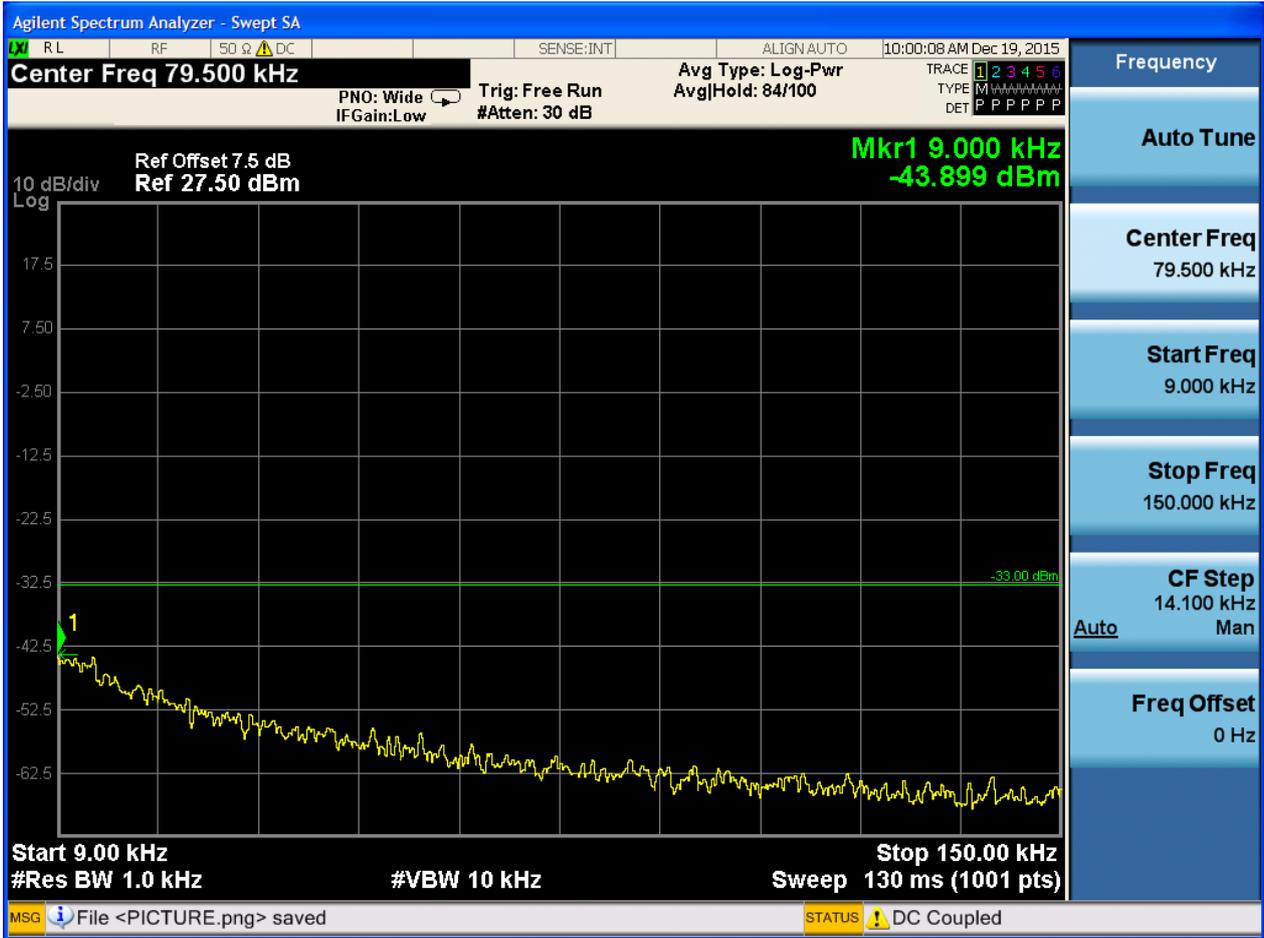


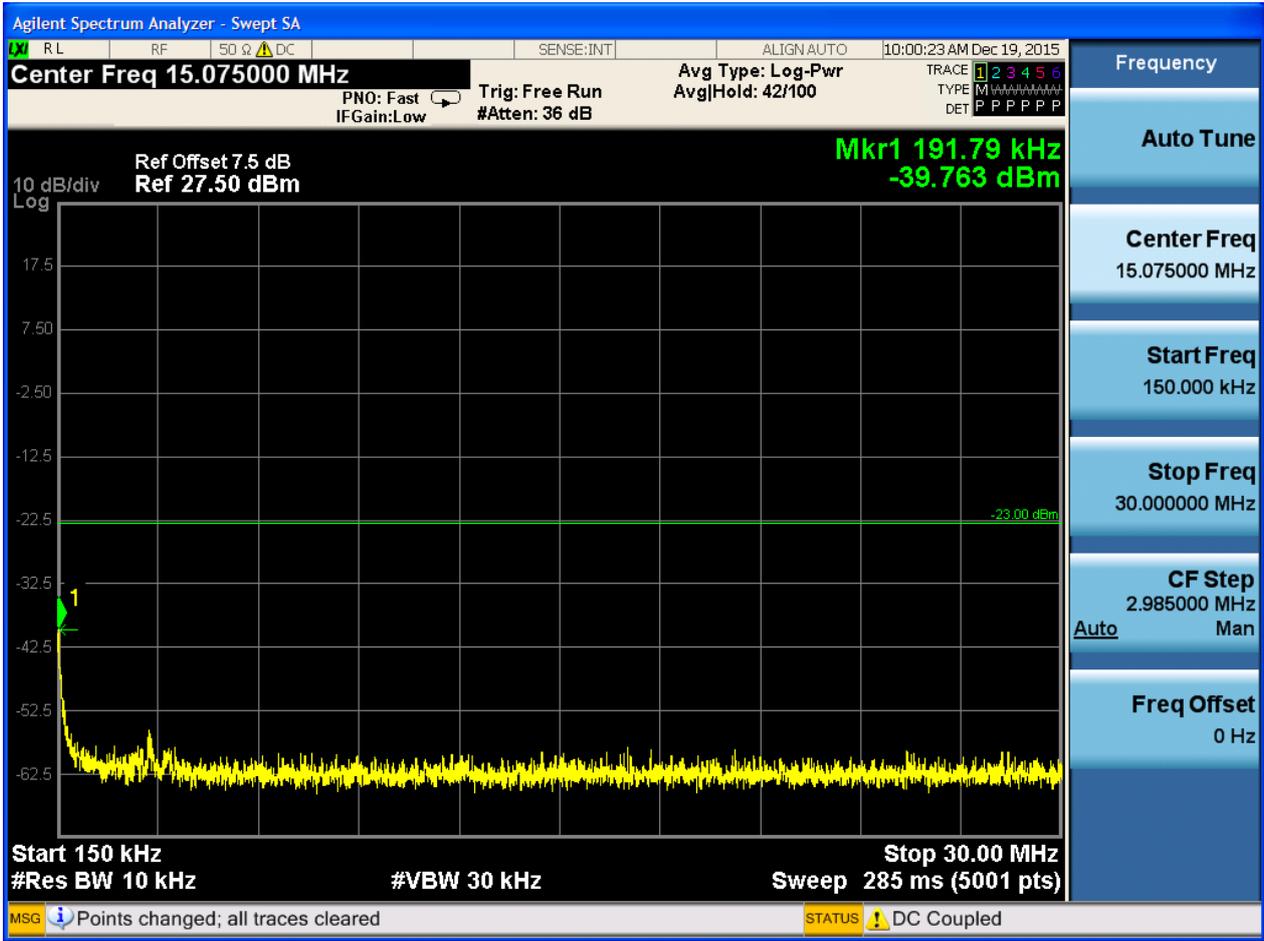
6.2 For UMTS

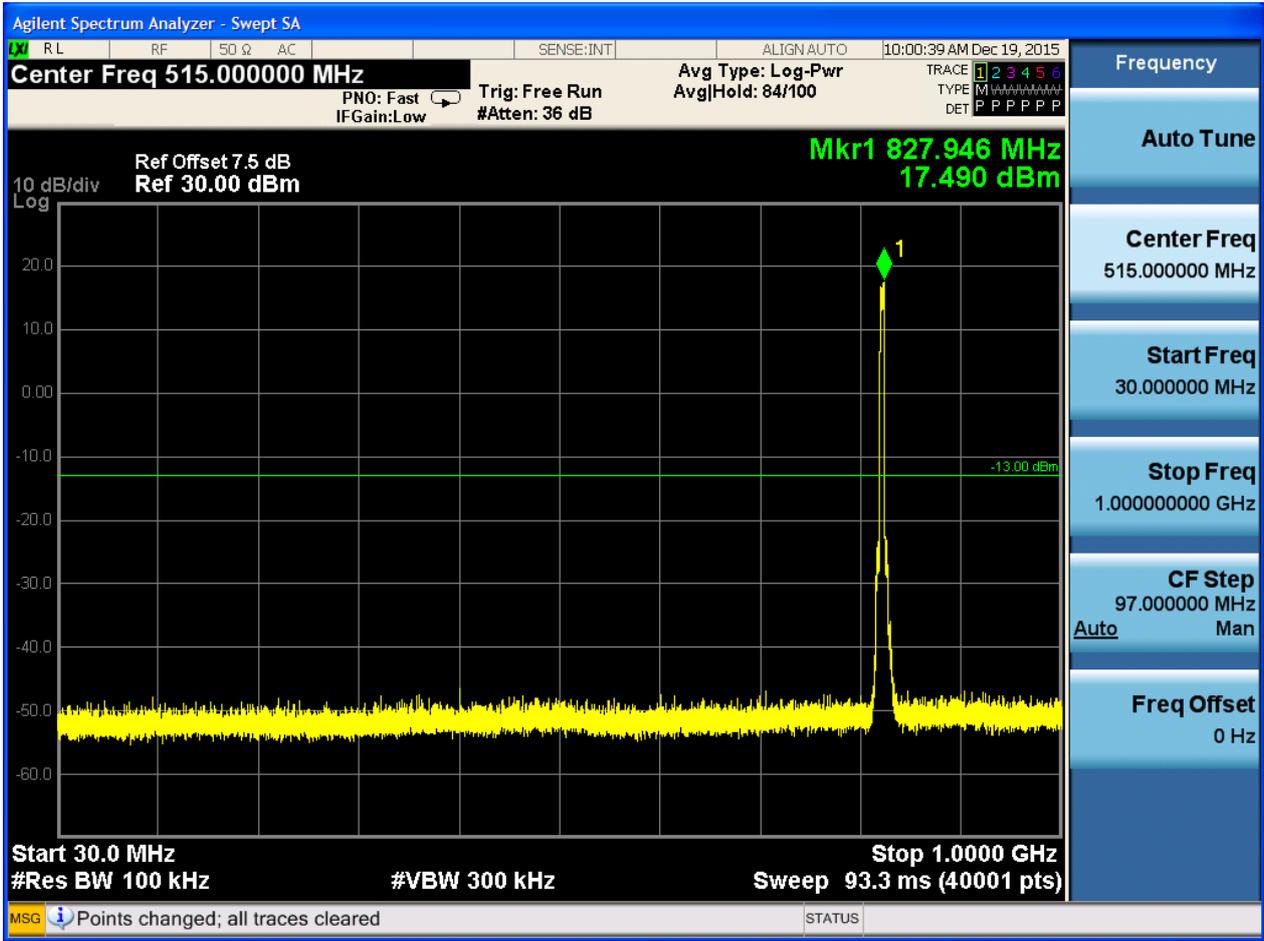
6.2.1 Test Band = WCDMA850

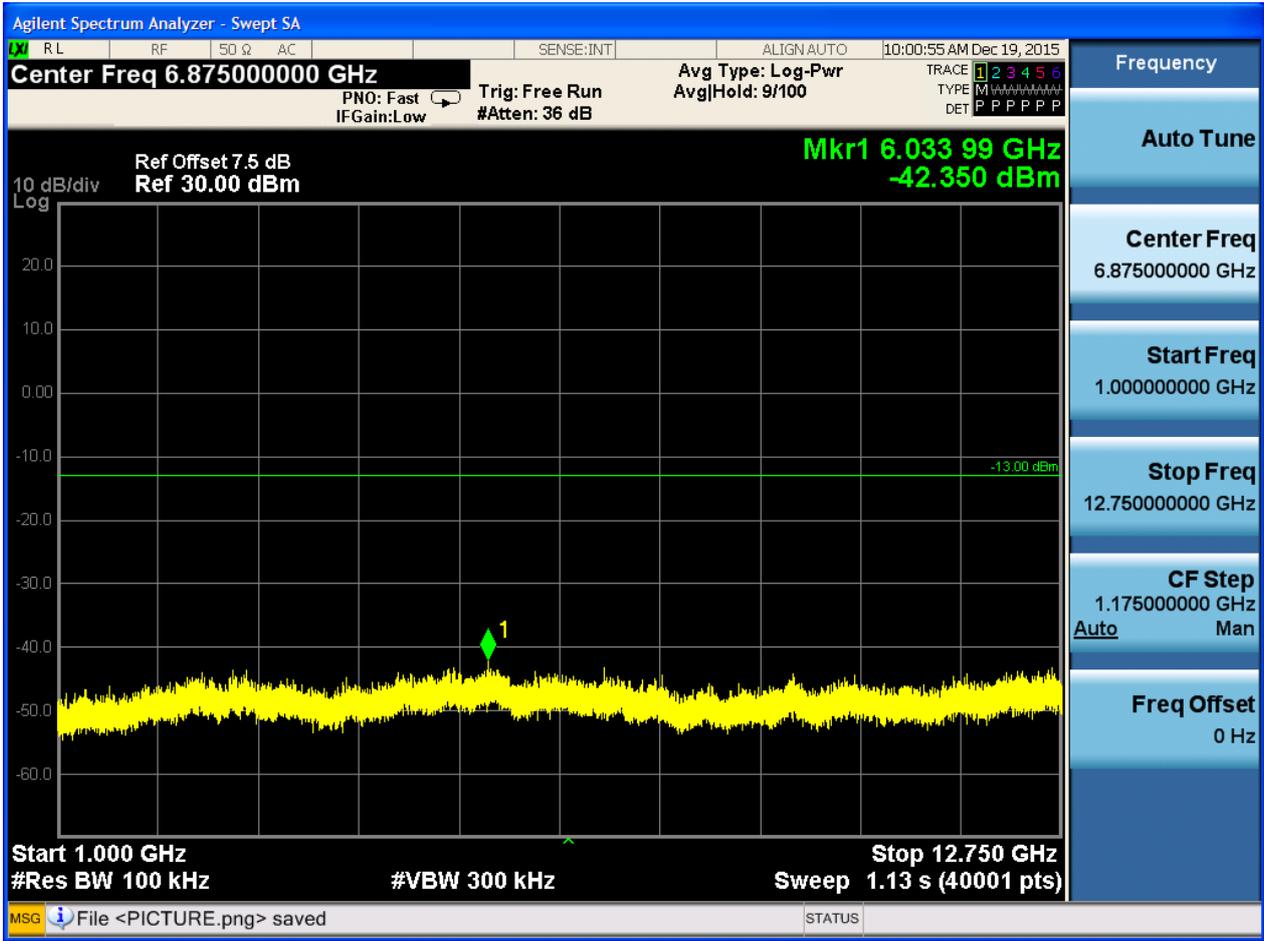
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

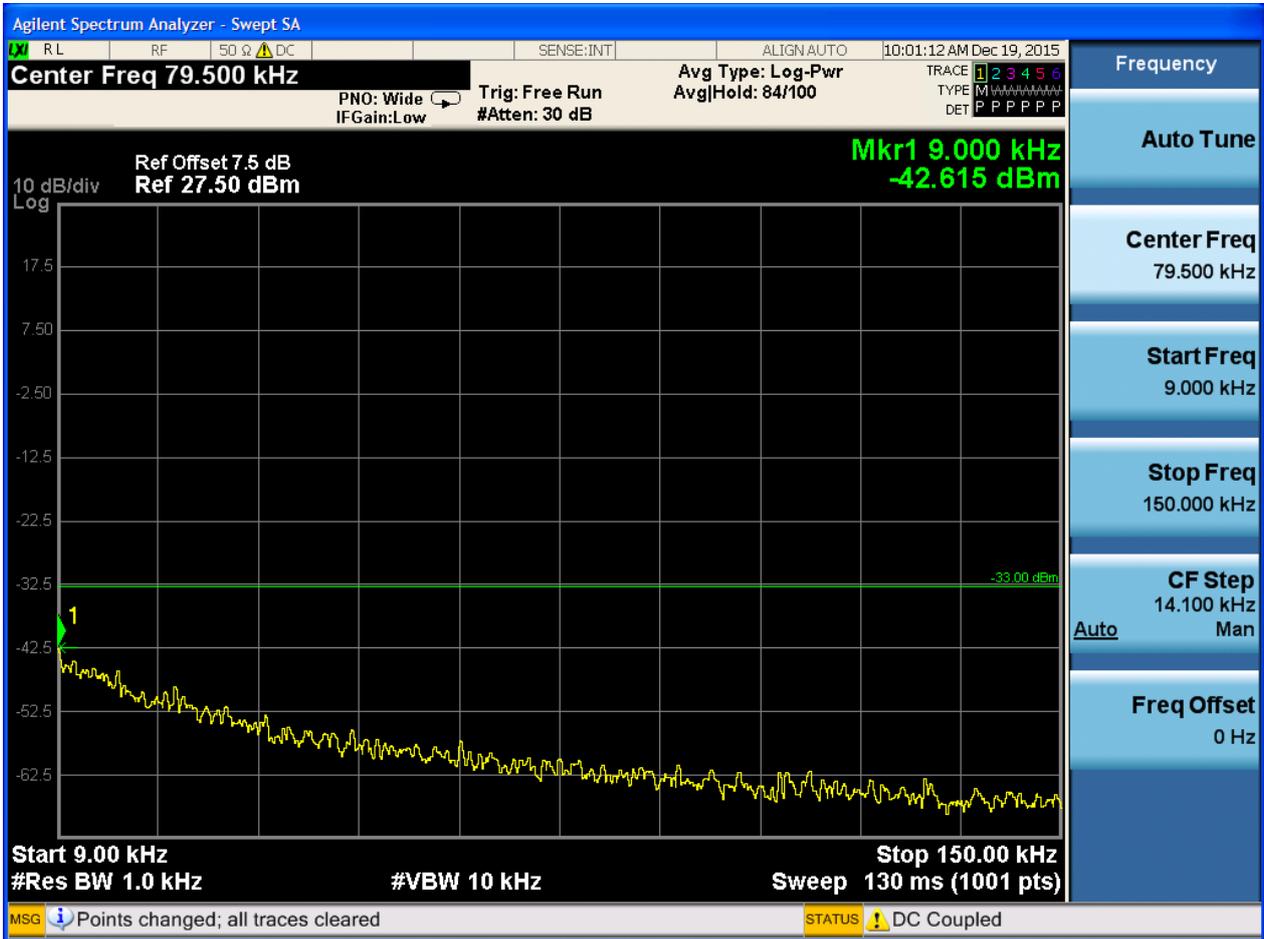


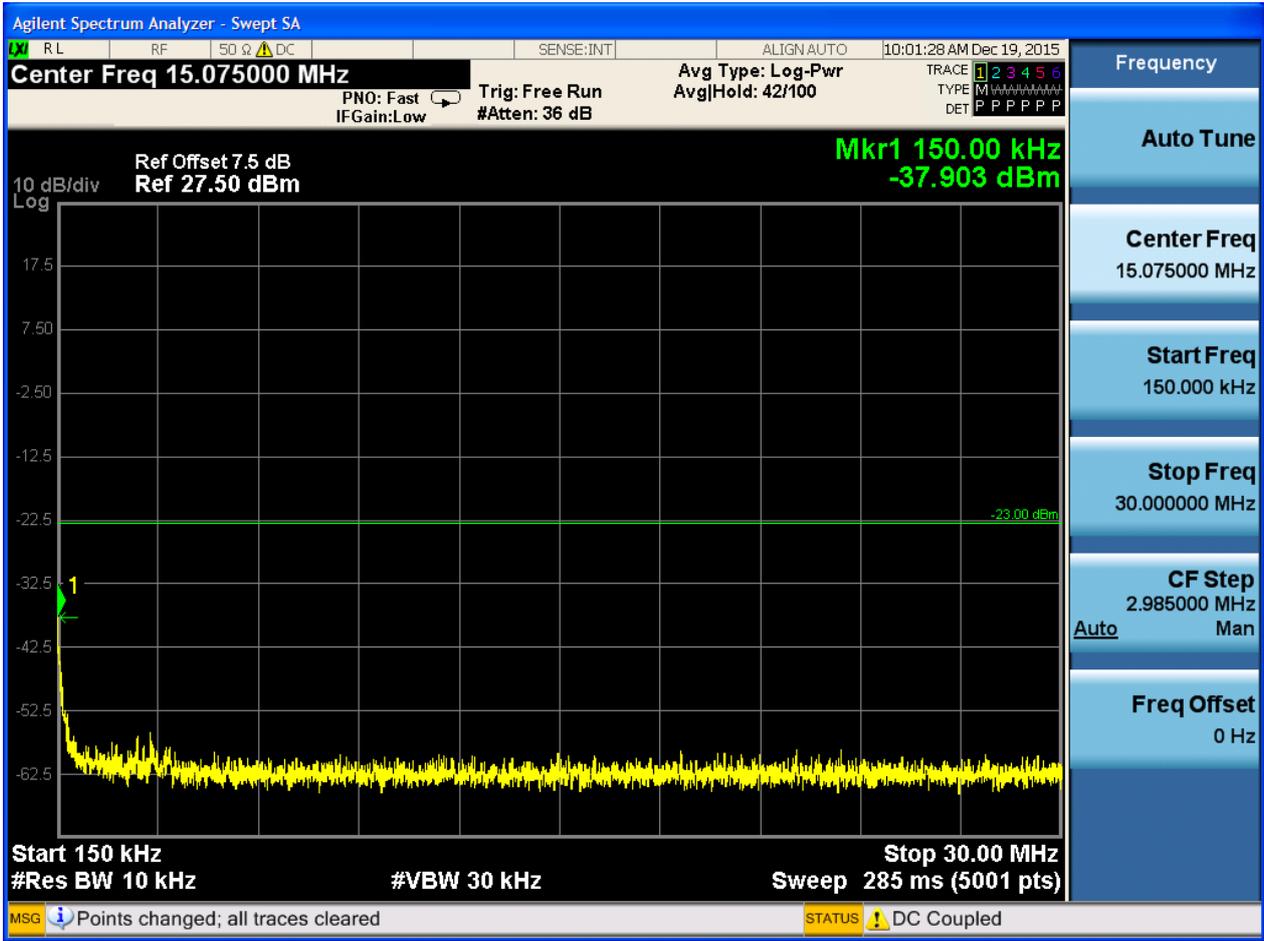


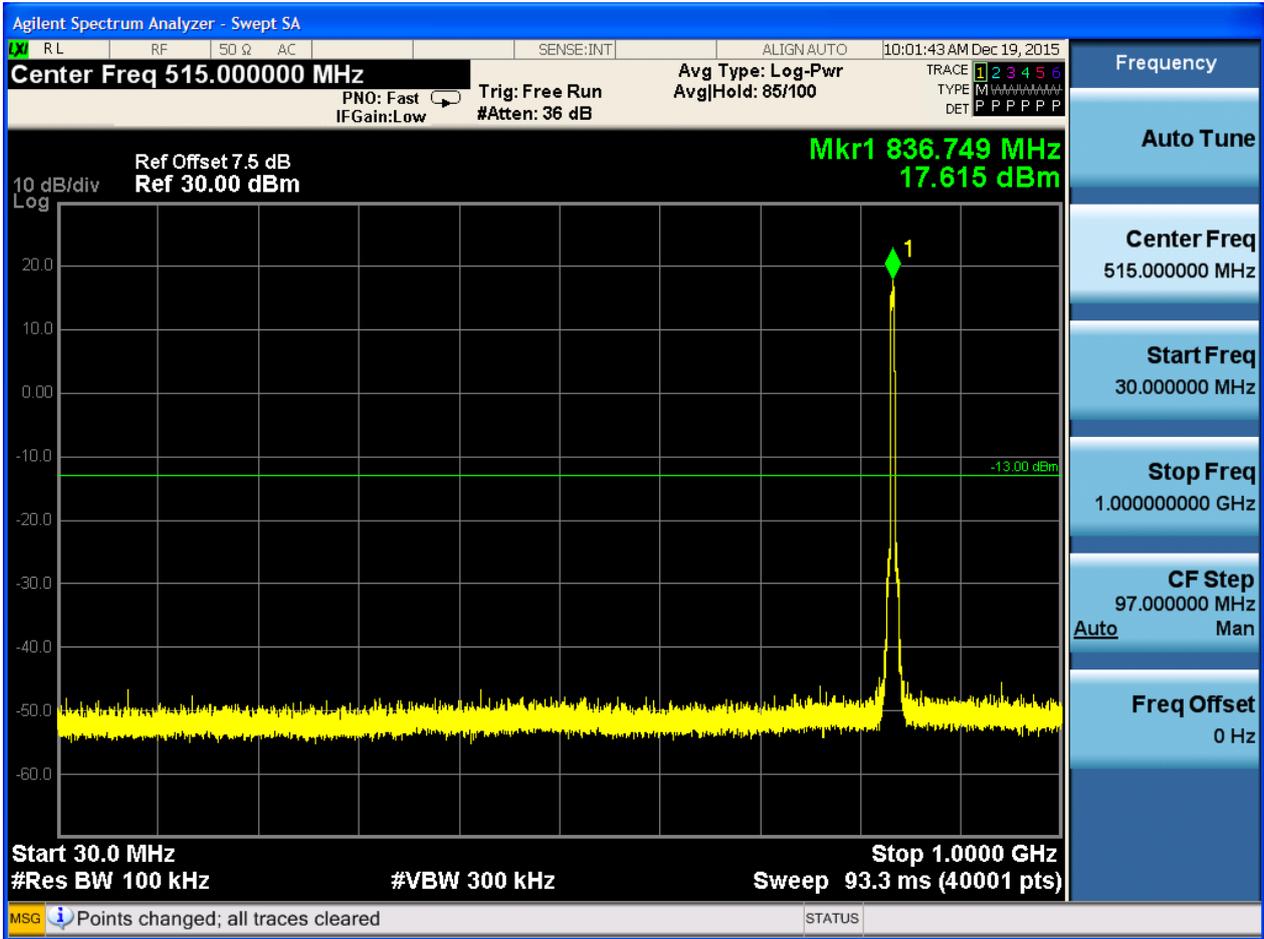


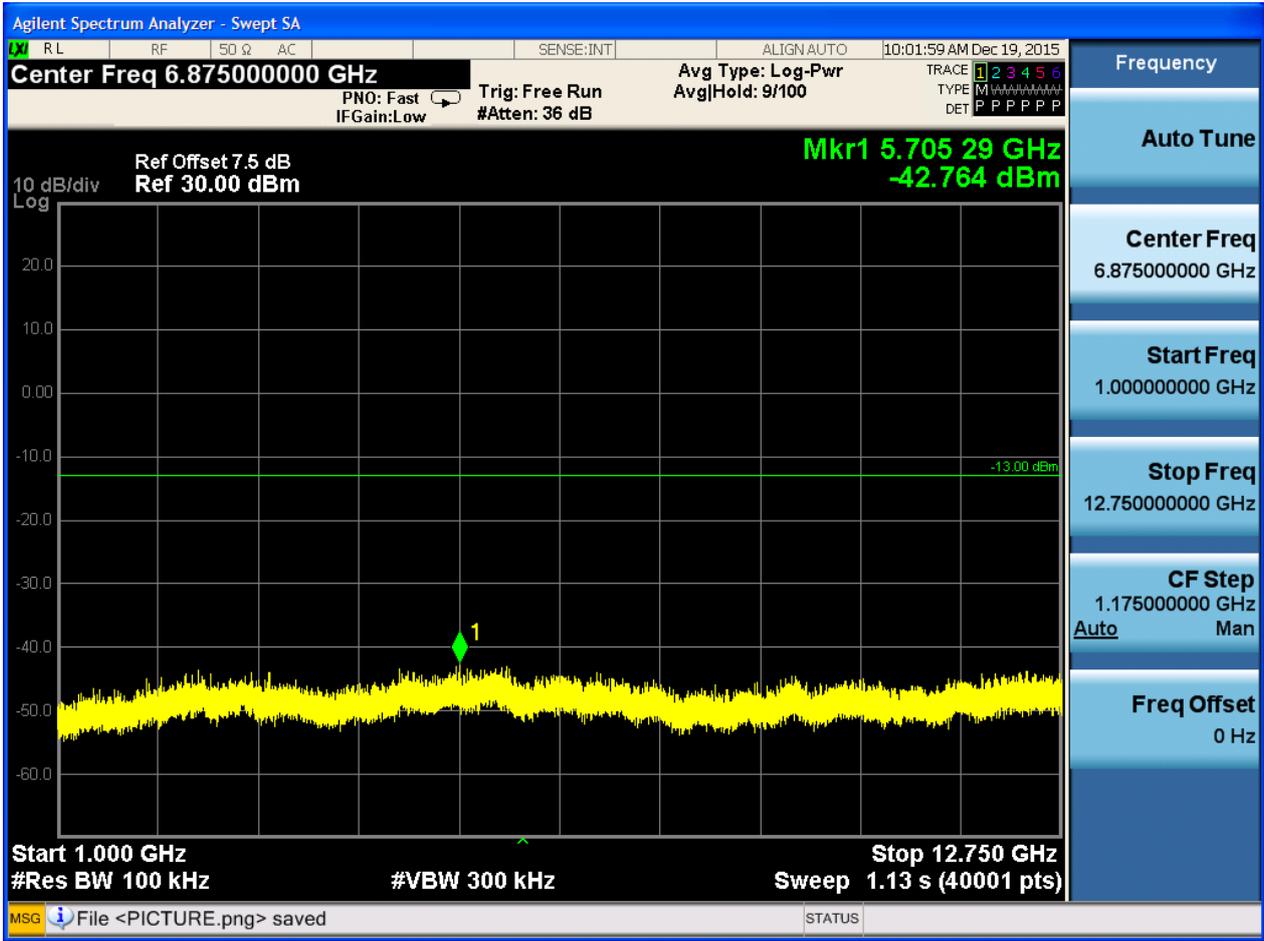


6.2.1.1.2 Test Channel = MCH



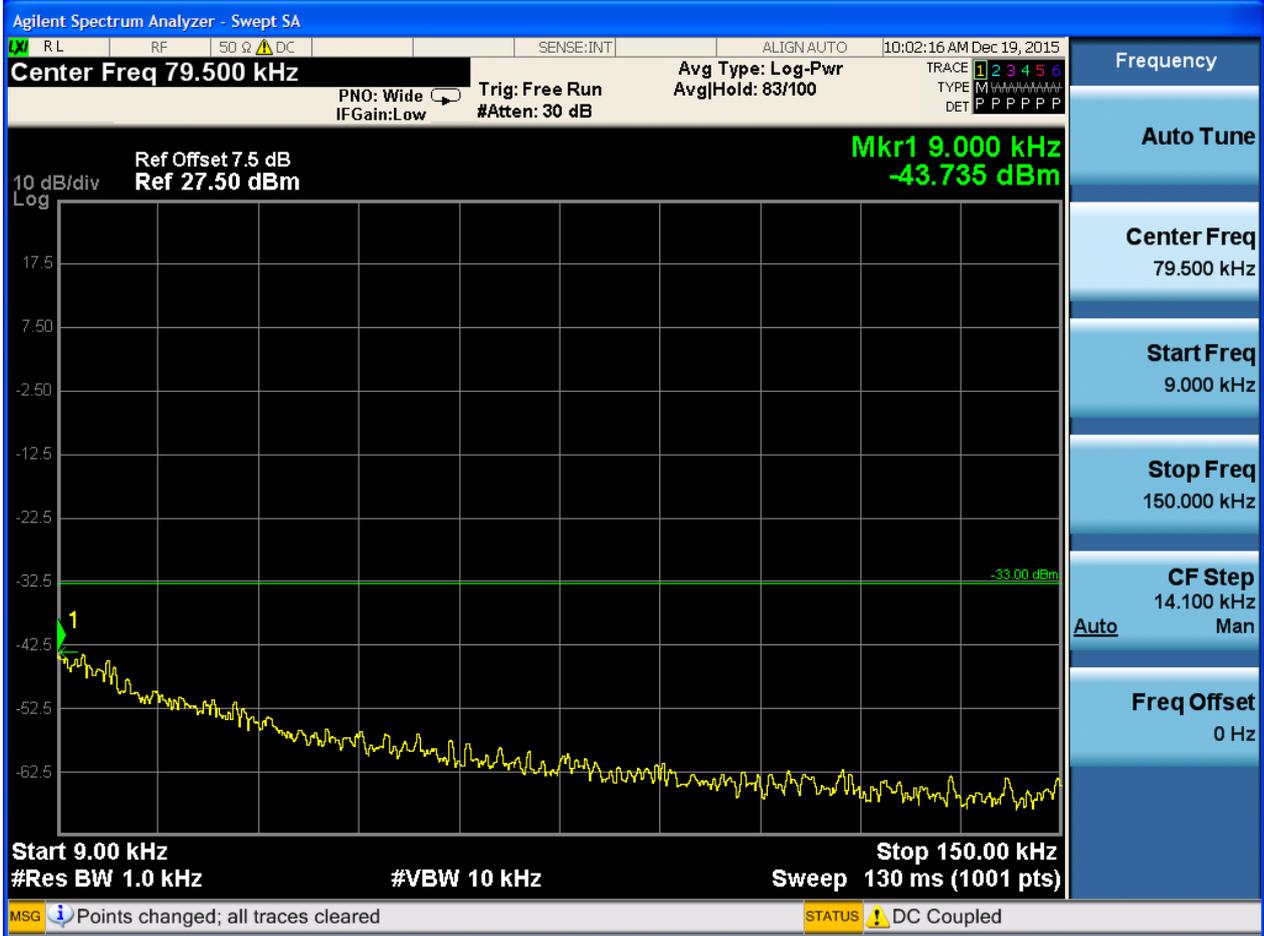


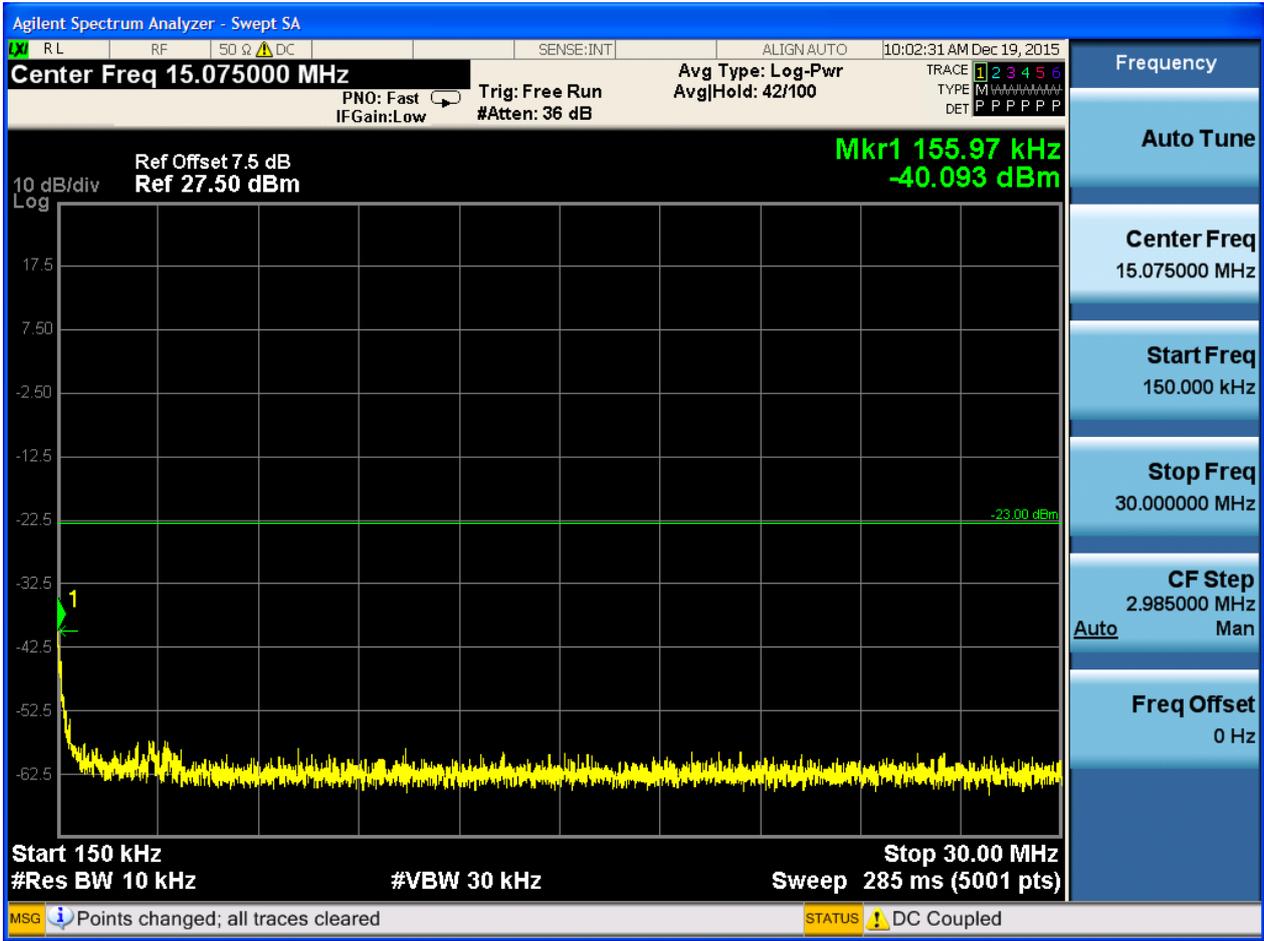


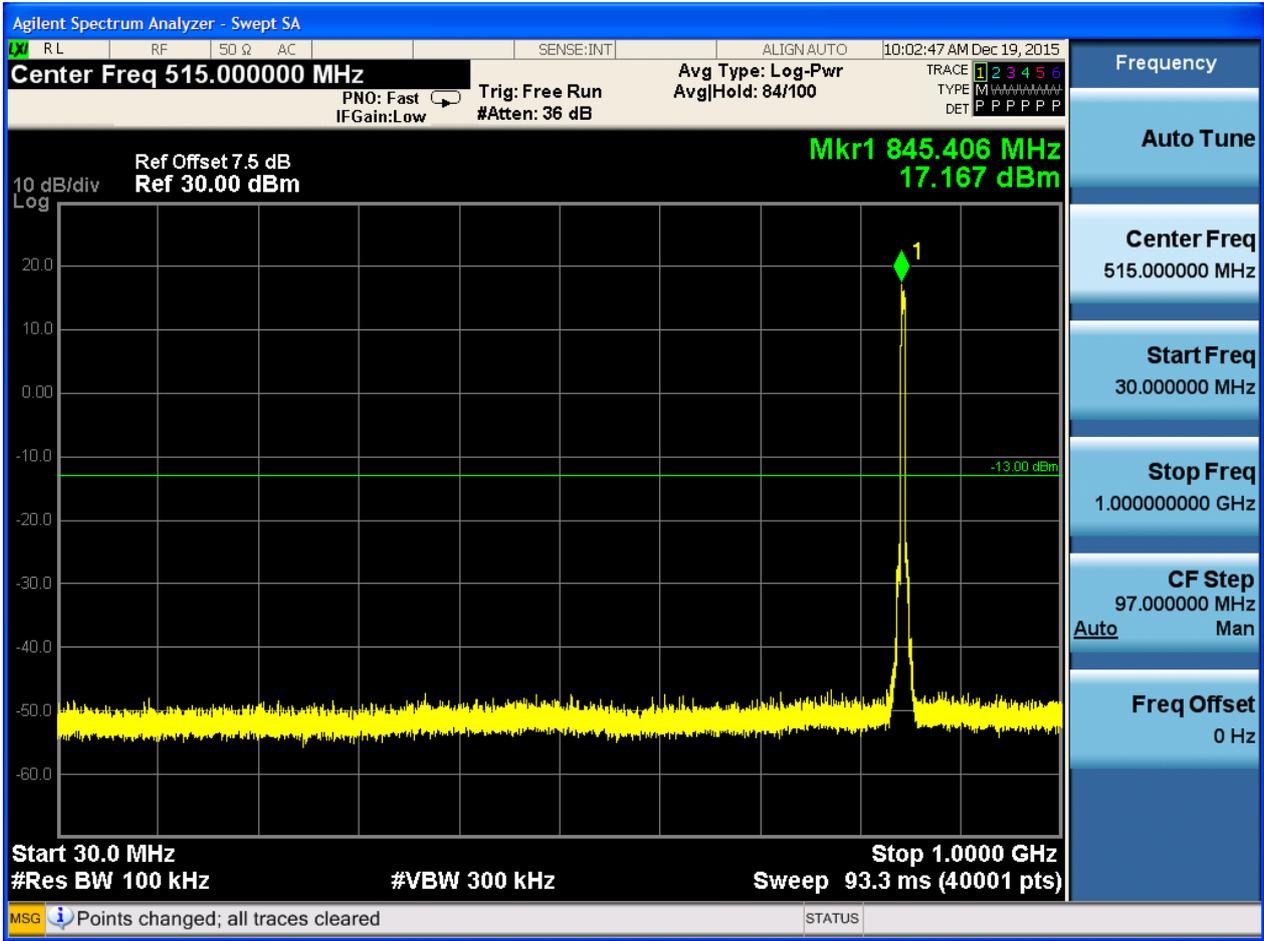


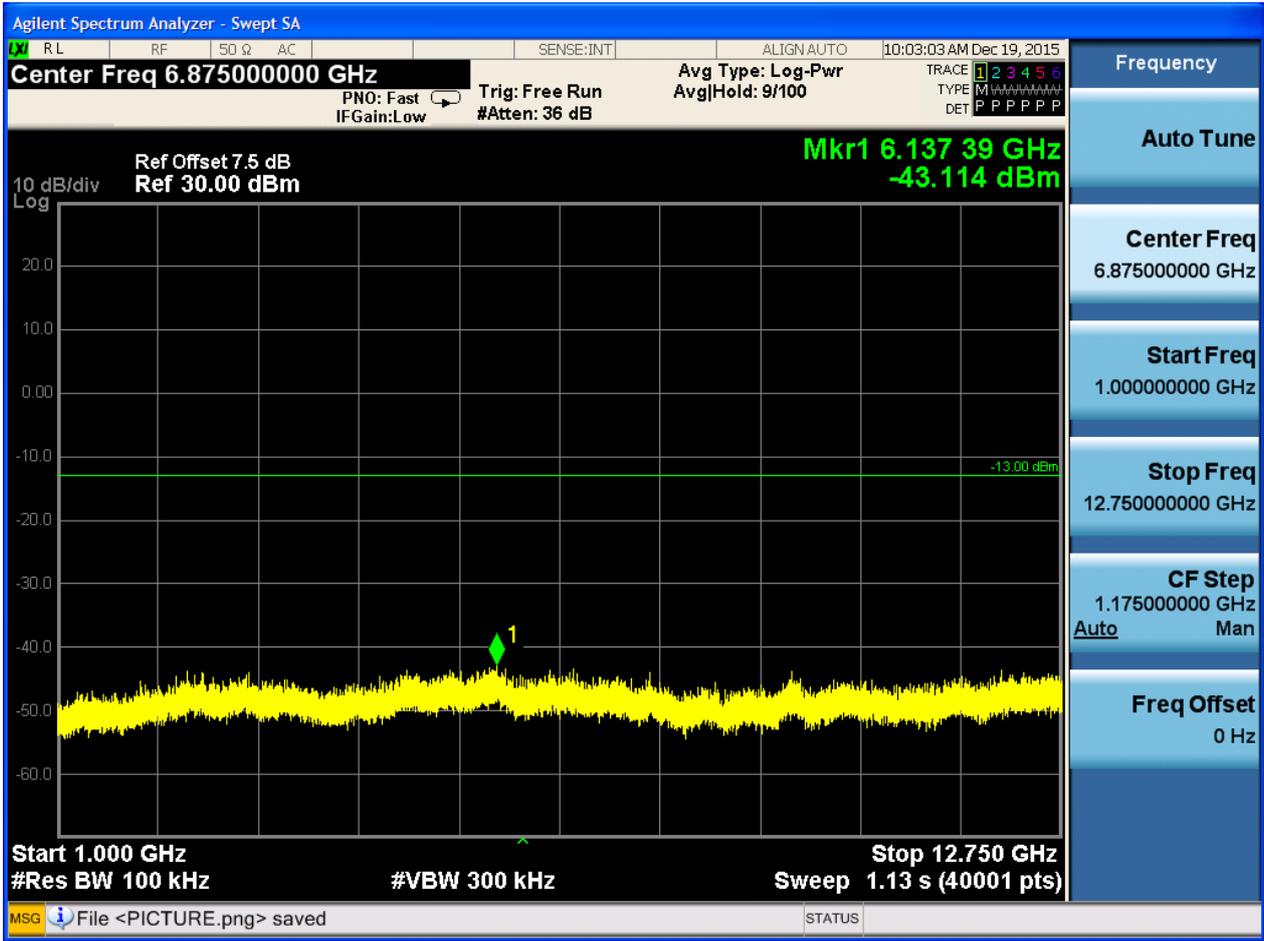


6.2.1.1.3 Test Channel = HCH







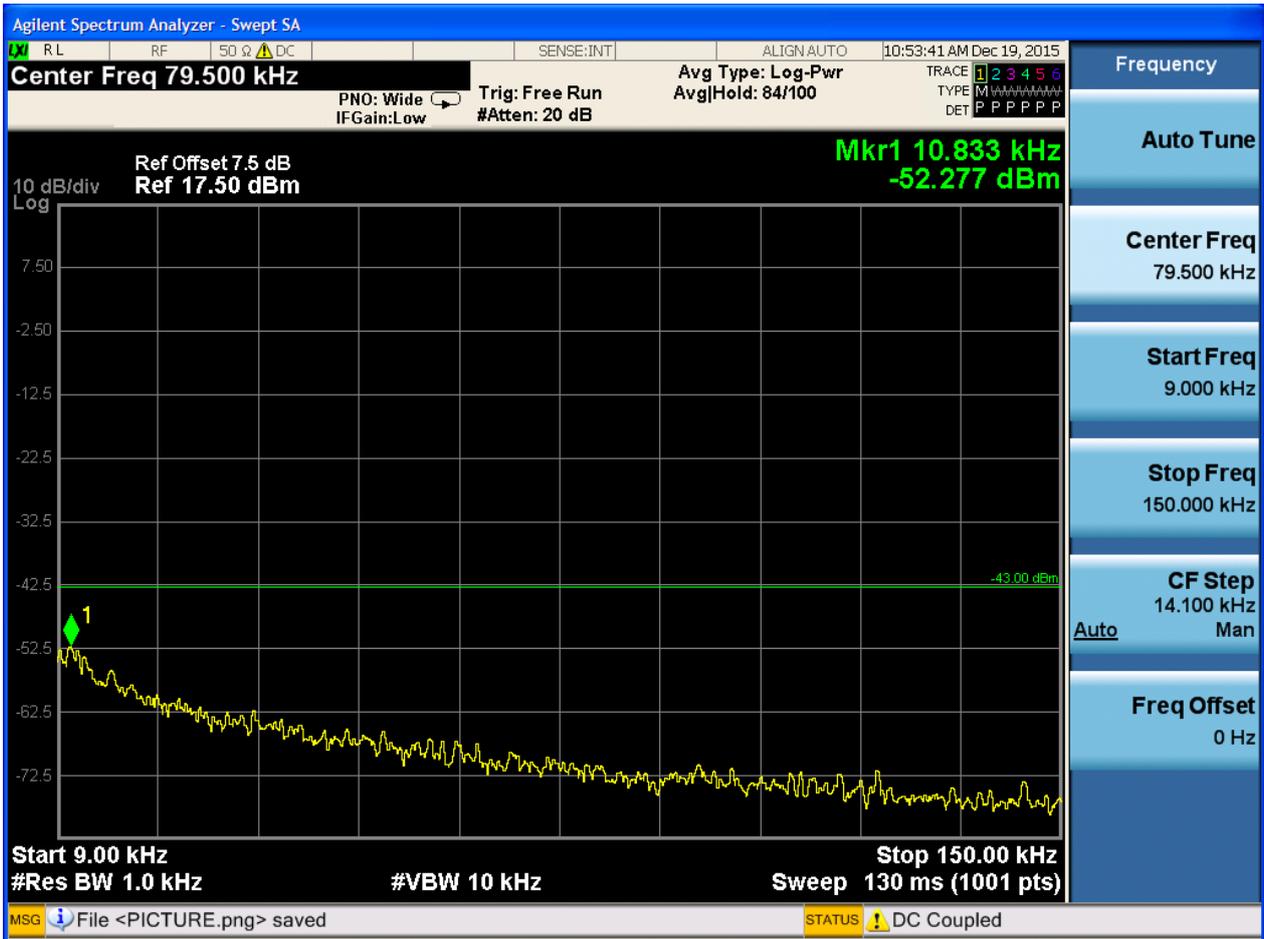


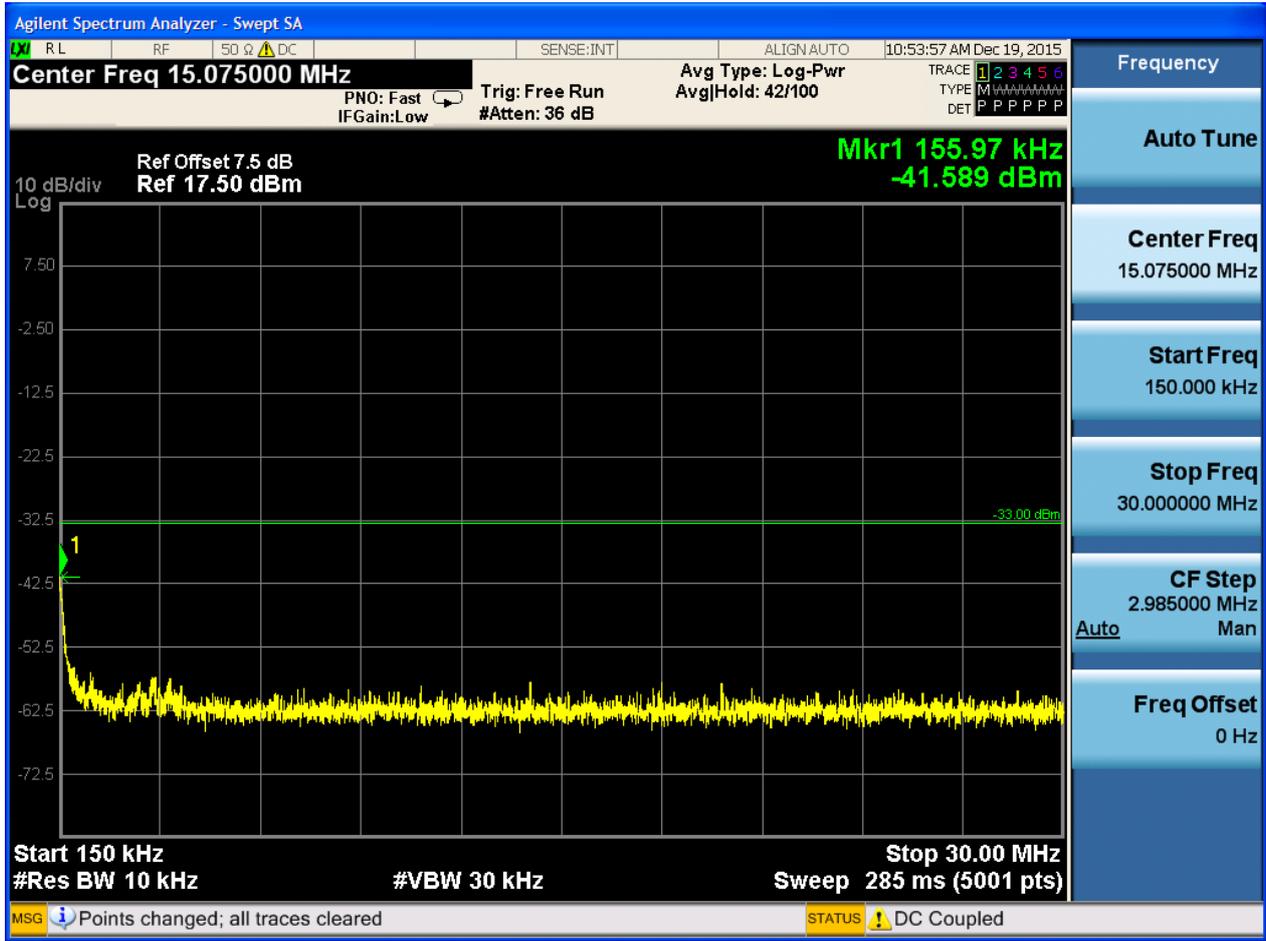


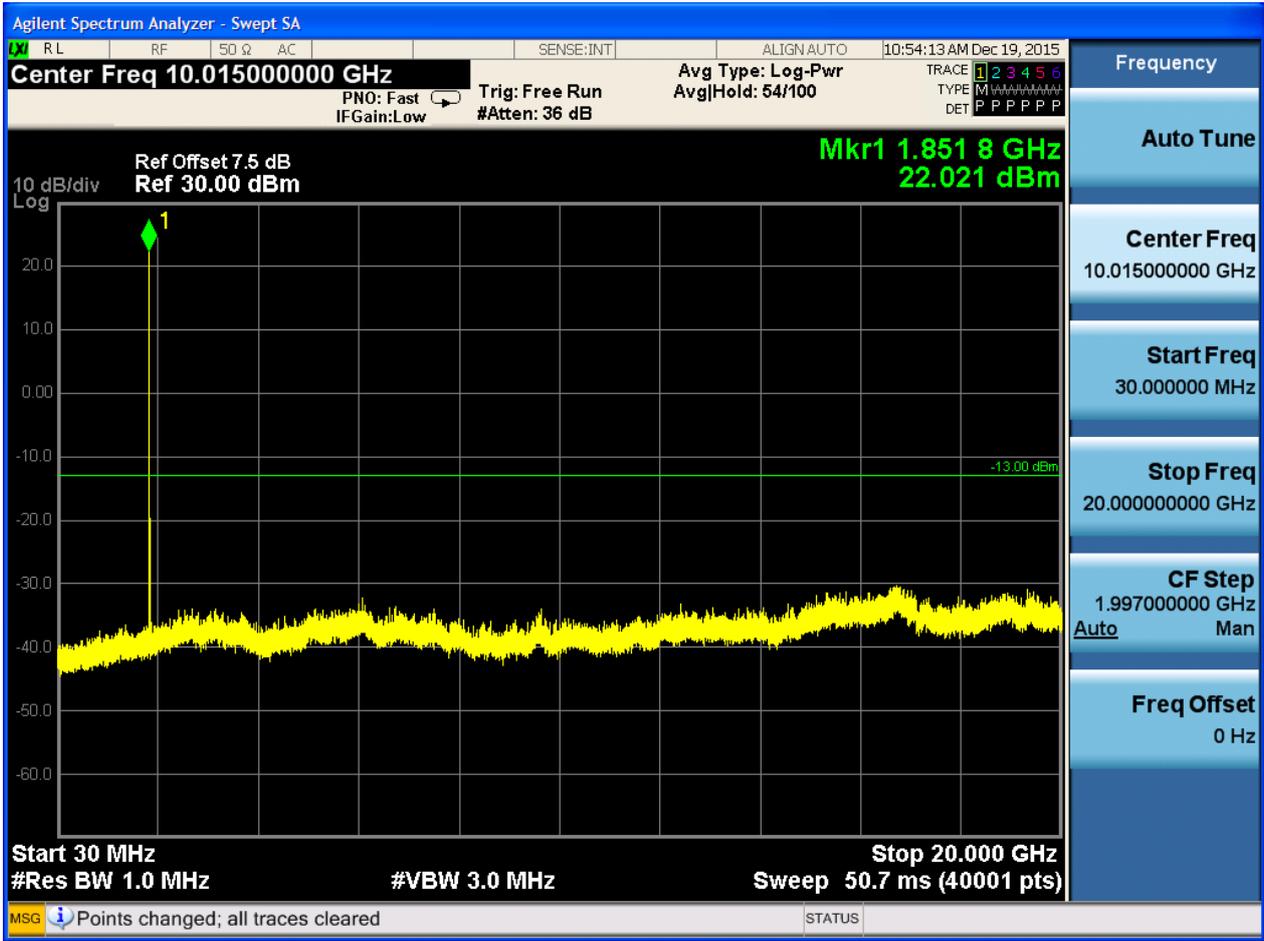
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH



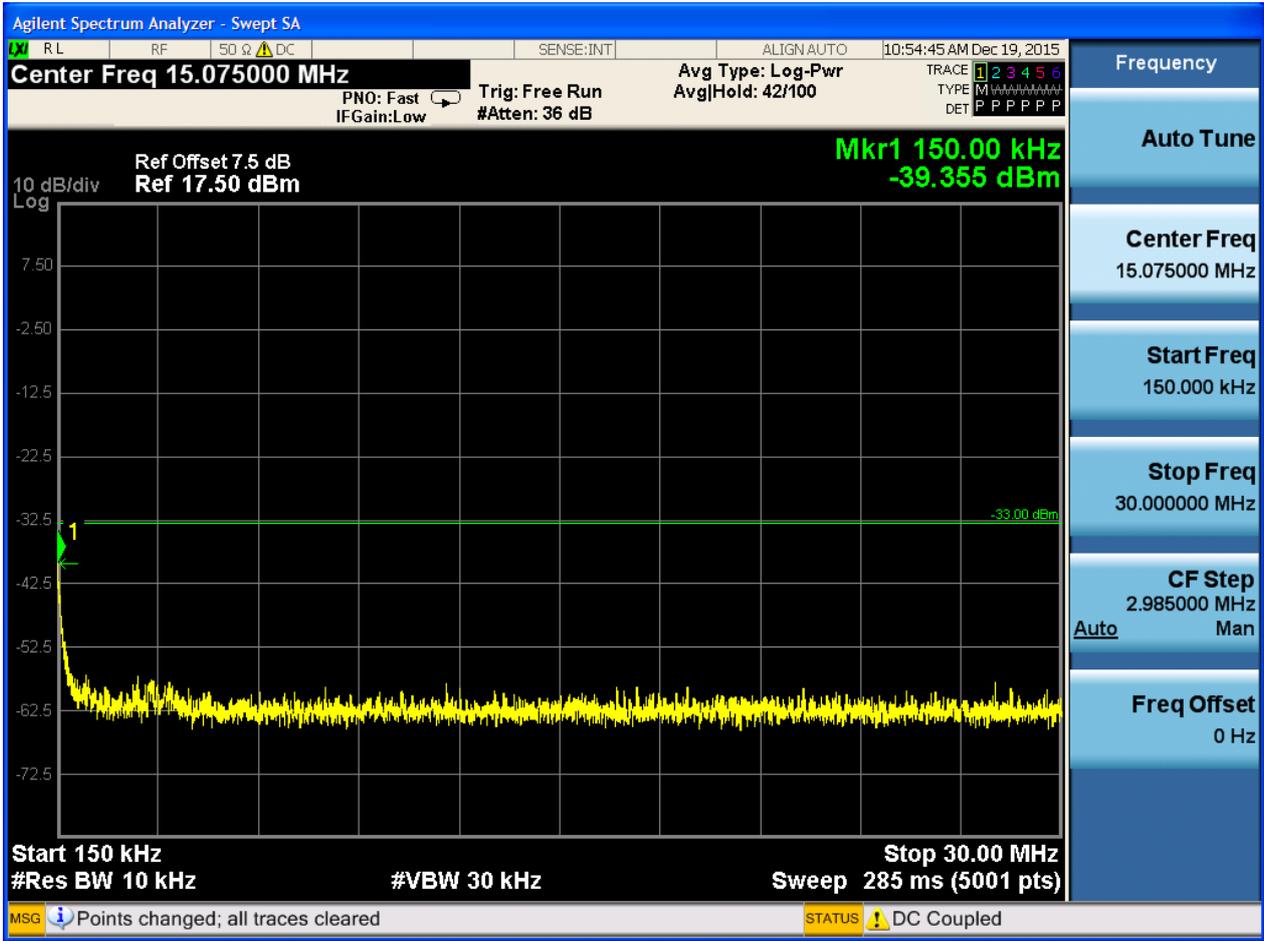


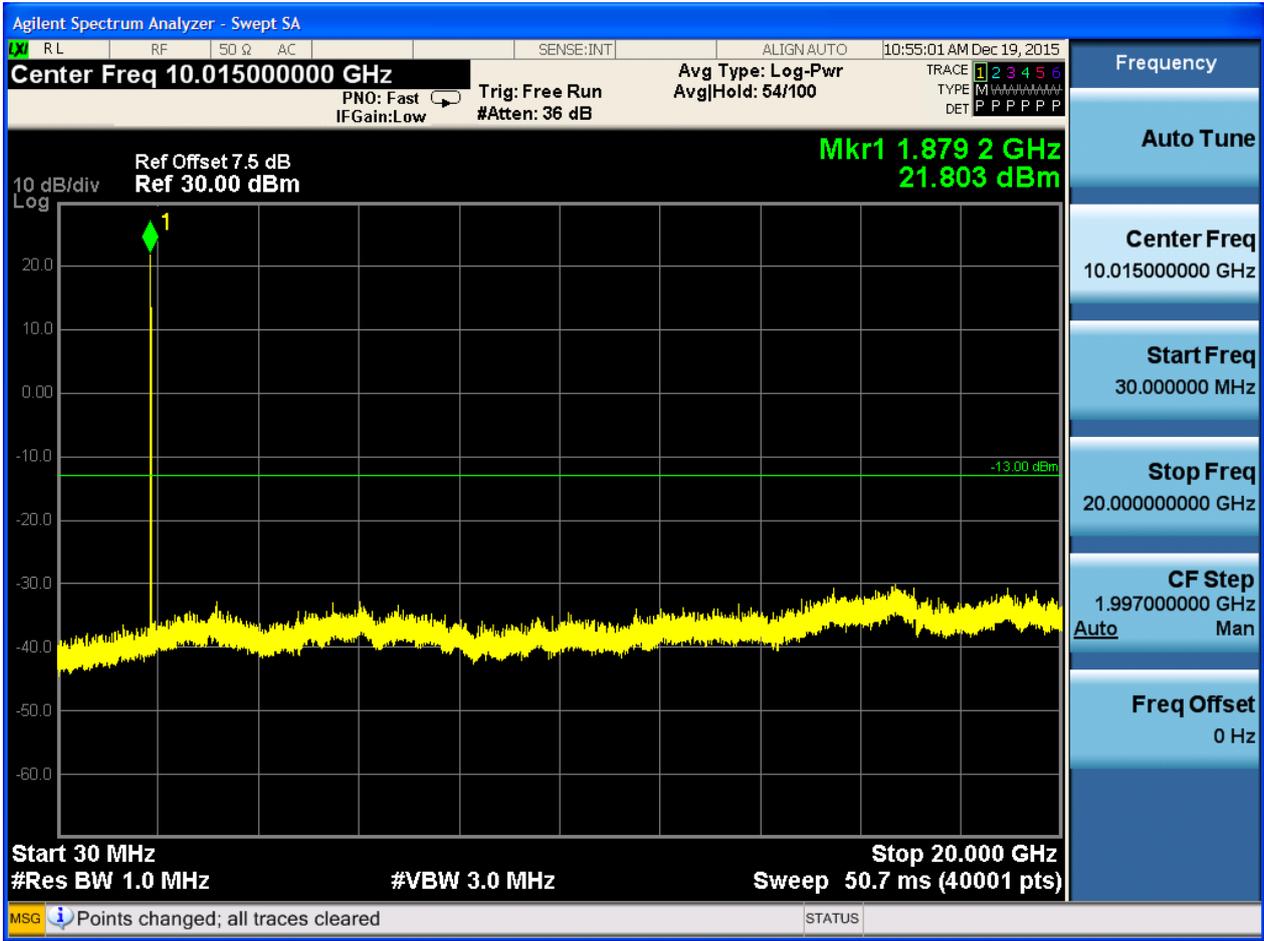




6.2.2.1.2 Test Channel = MCH

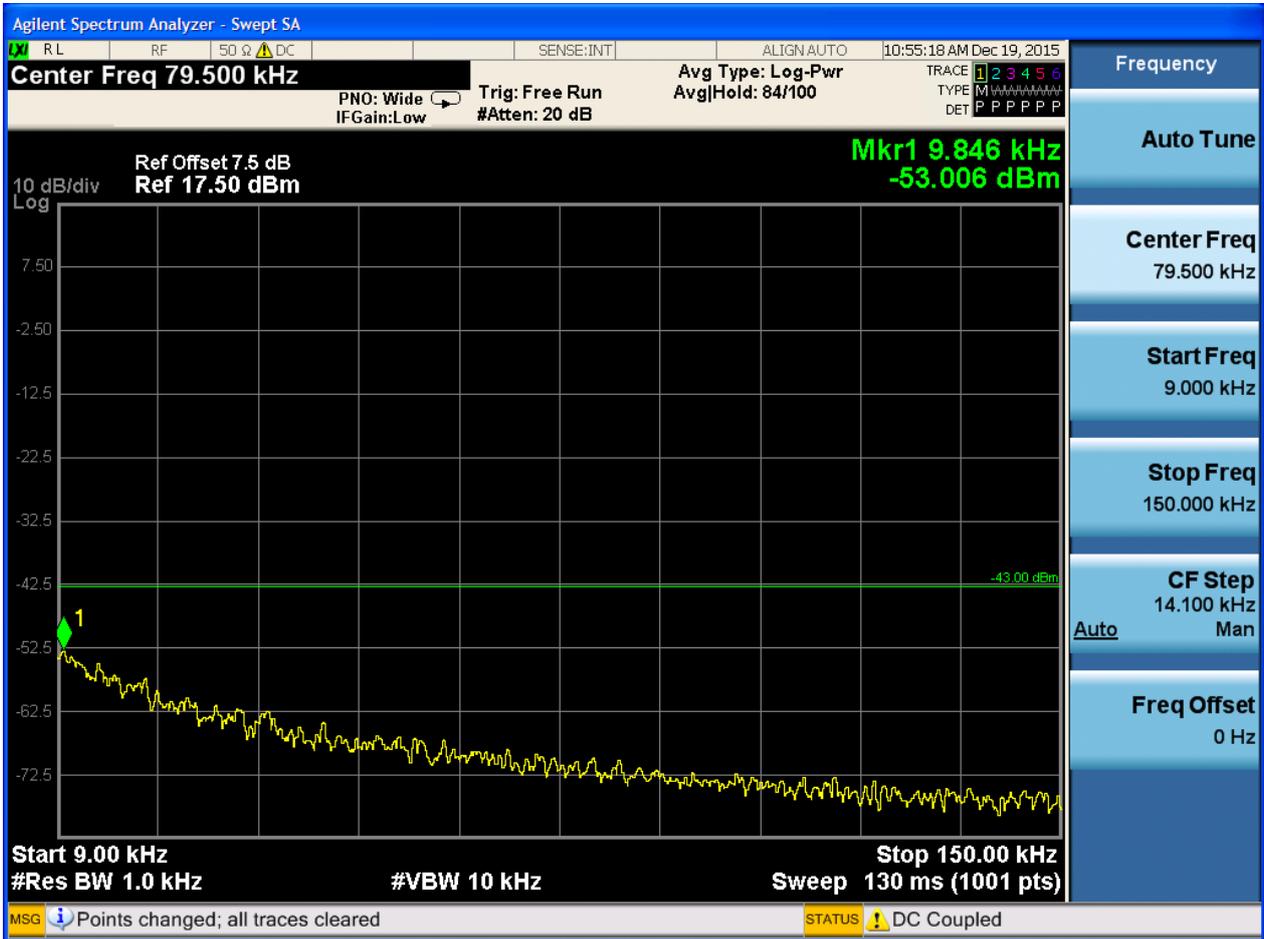


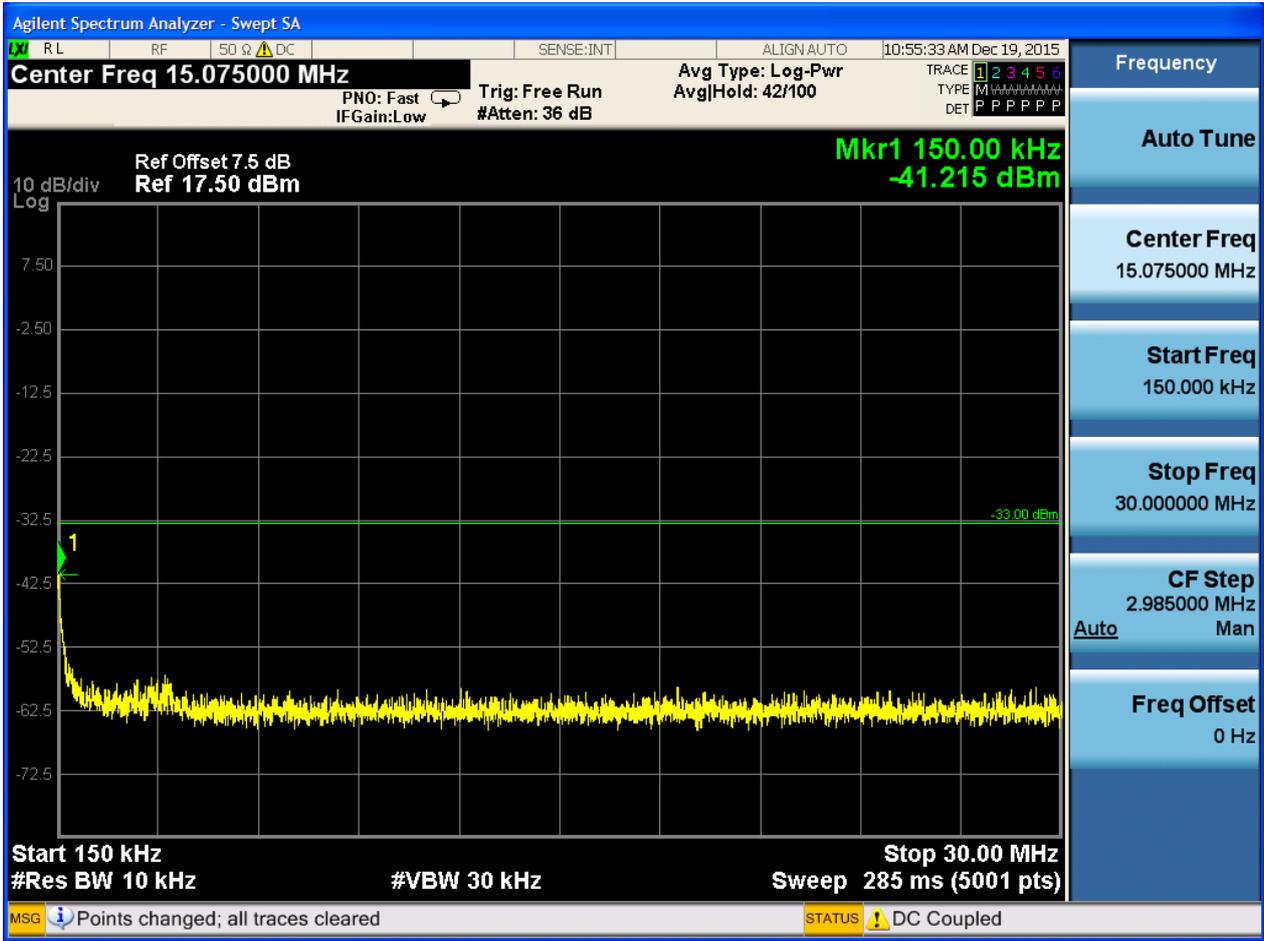


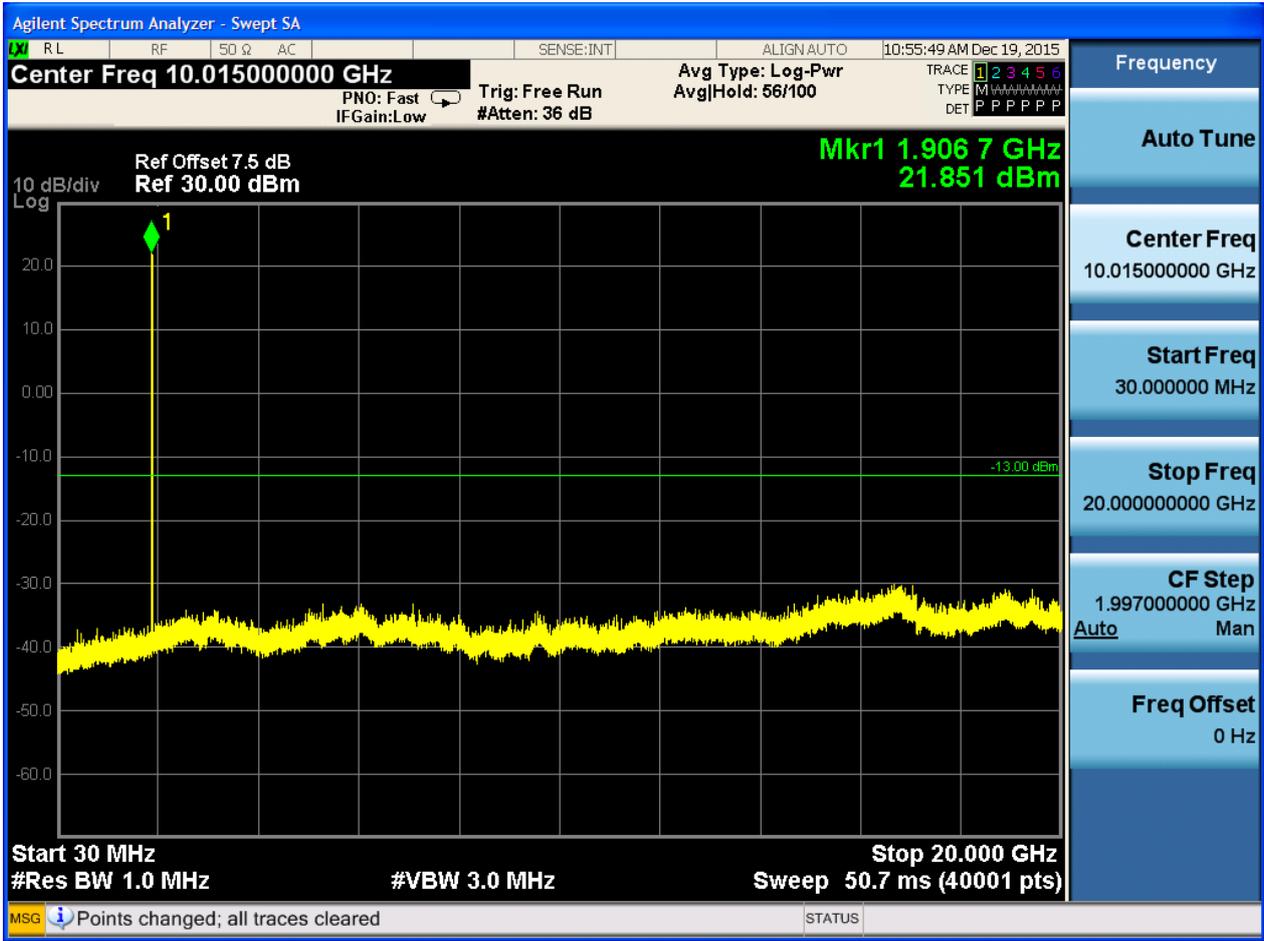




6.2.2.1.3 Test Channel = HCH







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

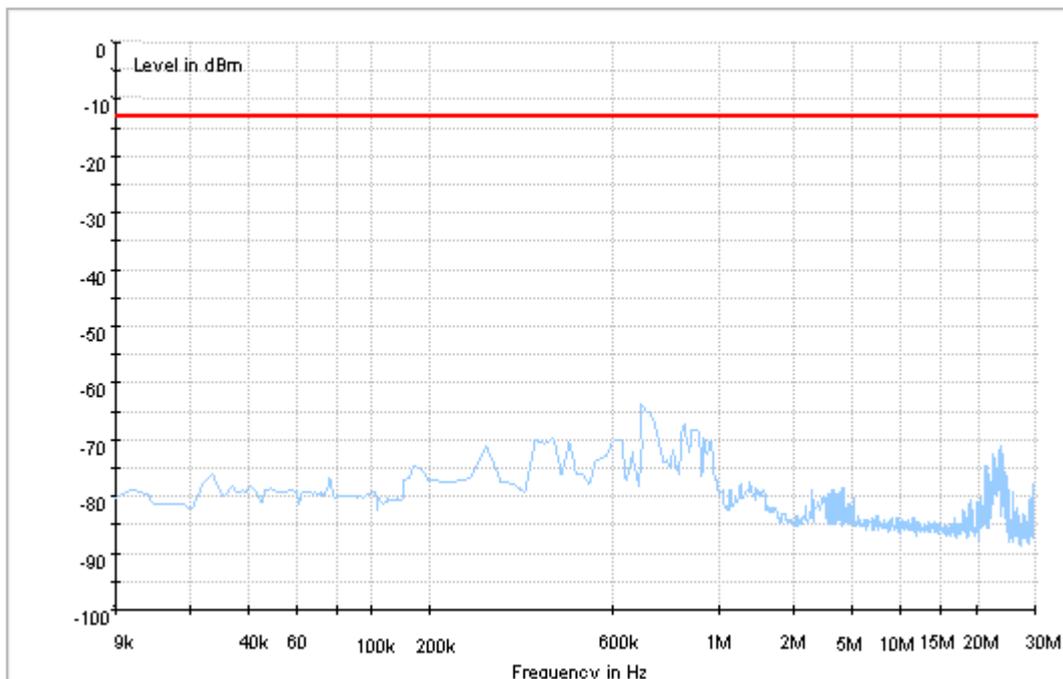
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

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

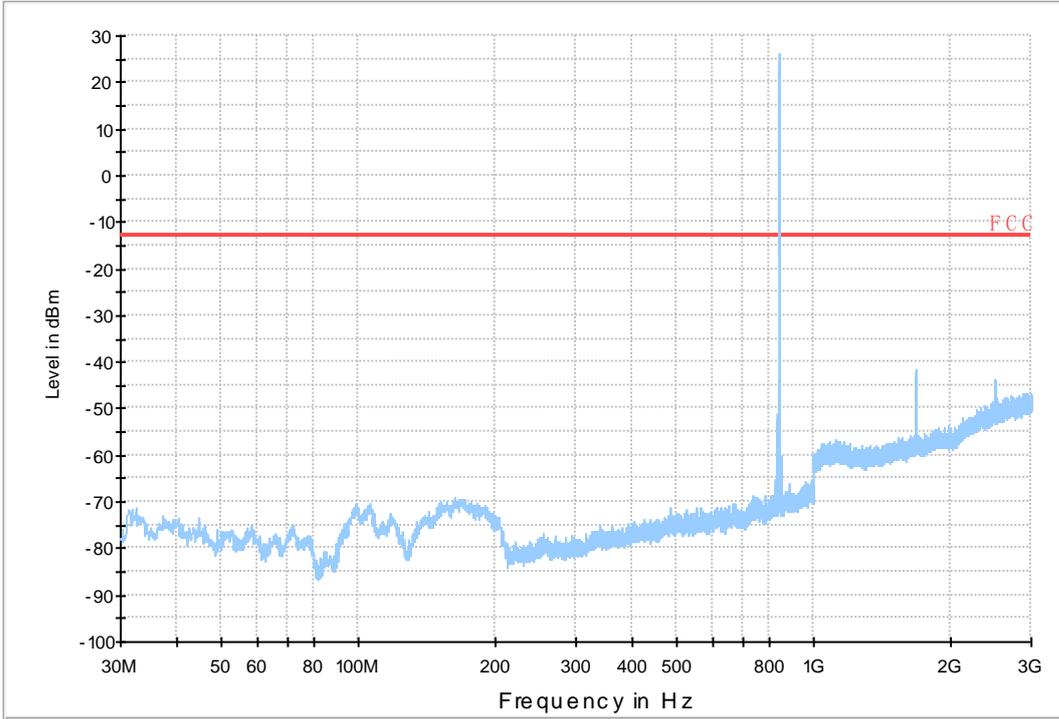
Part I - Test Plots

7.1 For GSM

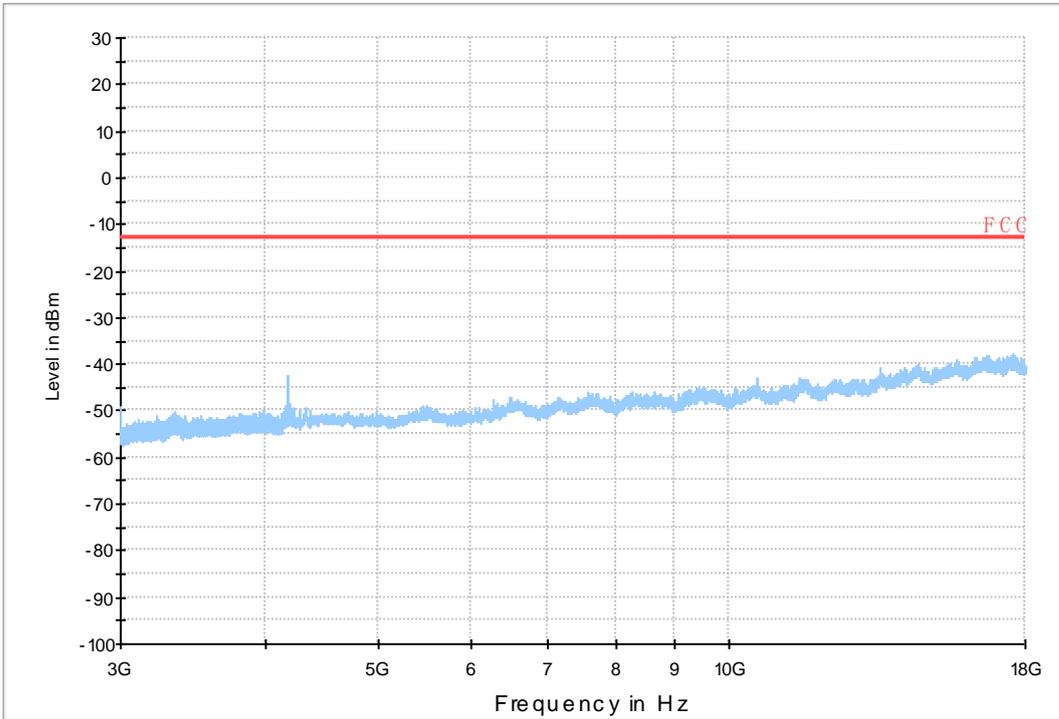
7.1.1 Test Band = GSM850



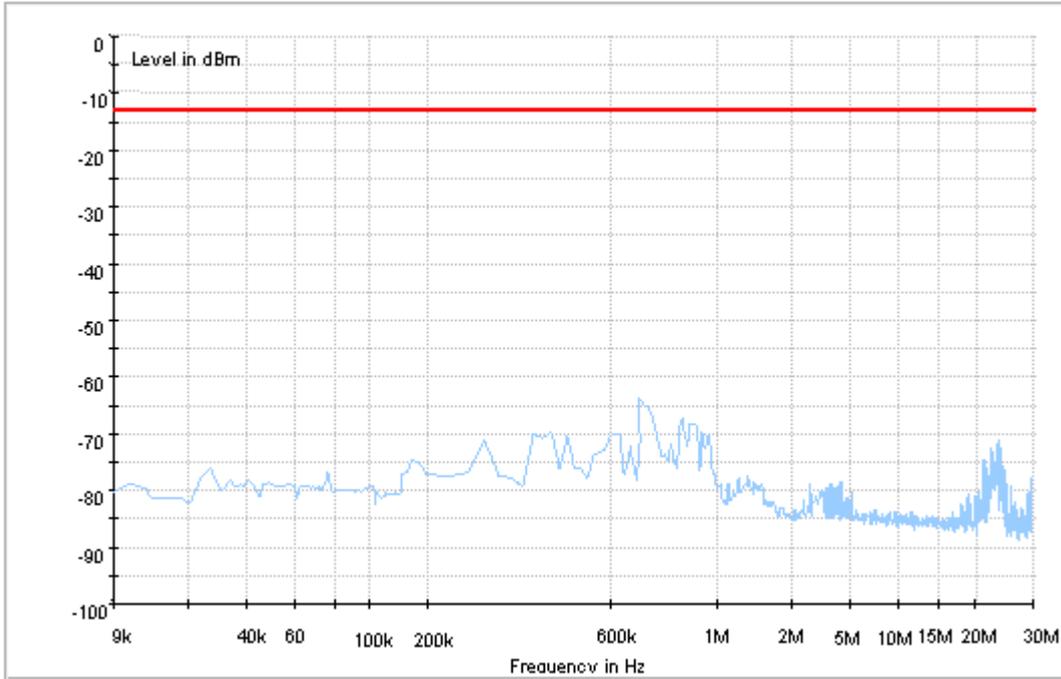
Copy of FCC PART22 GSM 850_L



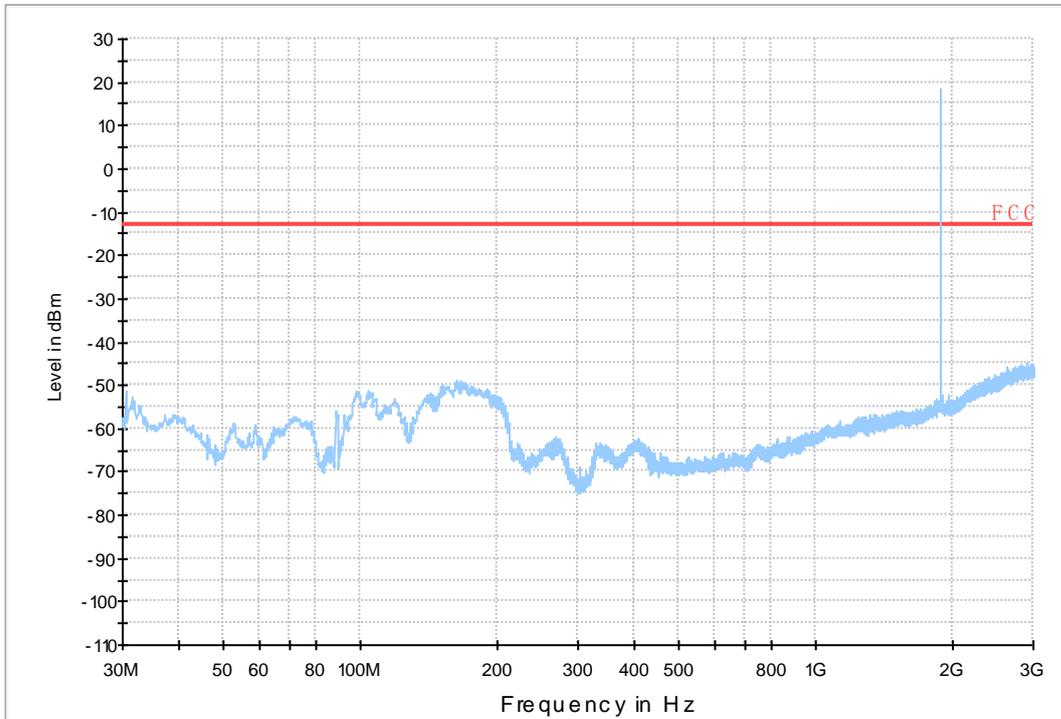
Copy of FCC PART22 GSM 850_H



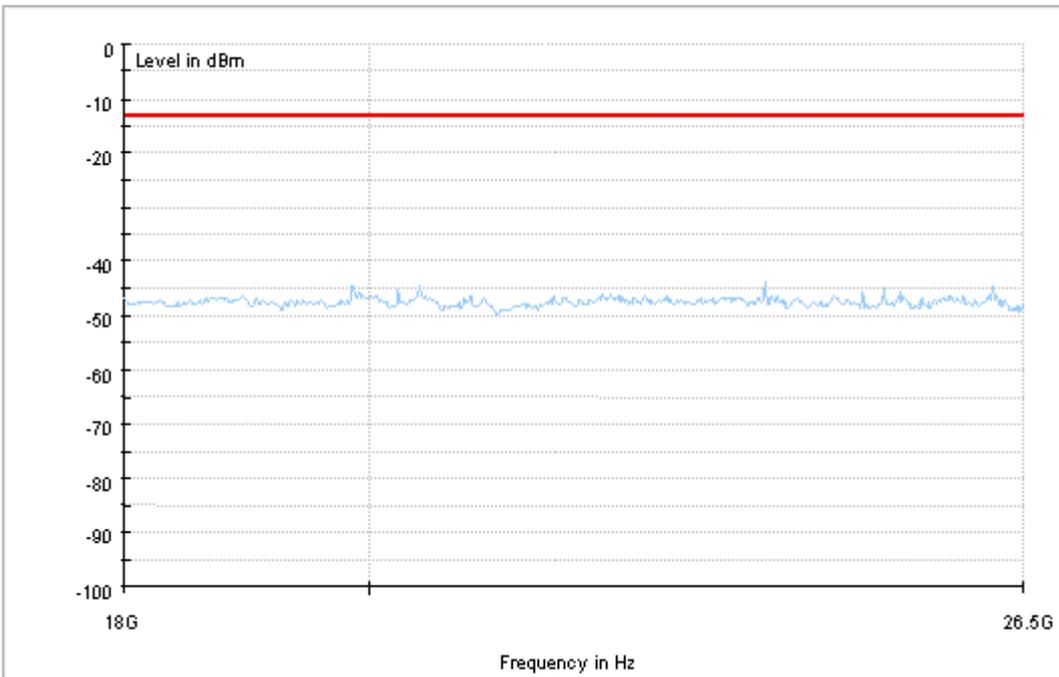
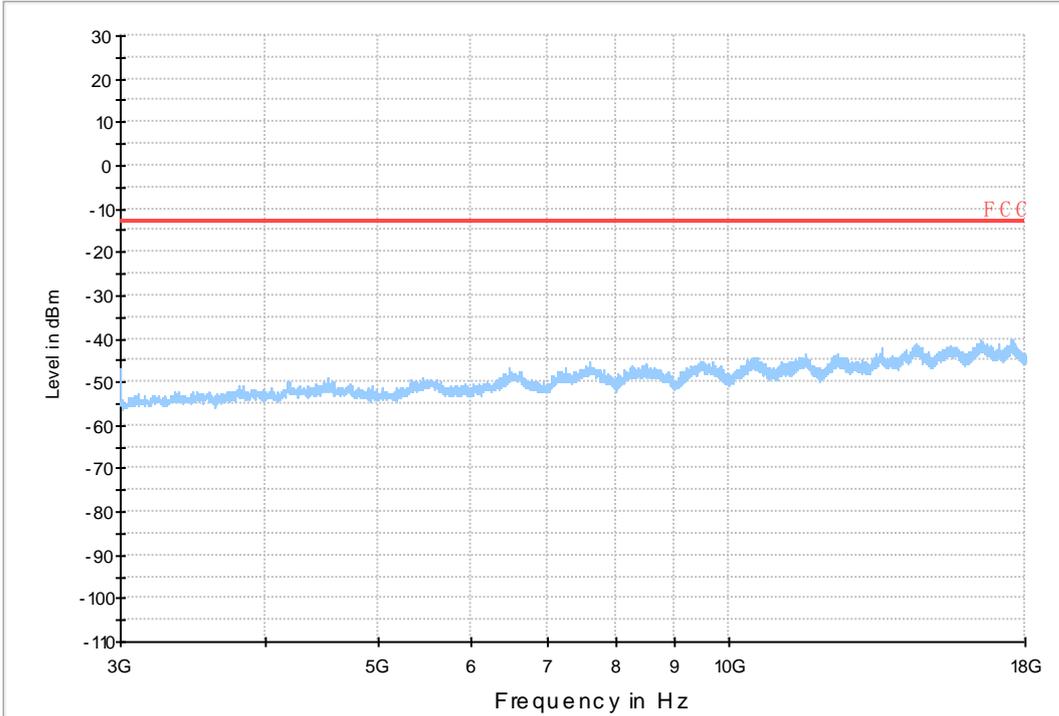
7.1.2 Test Band = GSM1900



Copy of FCC PART24 G SM 1900_L



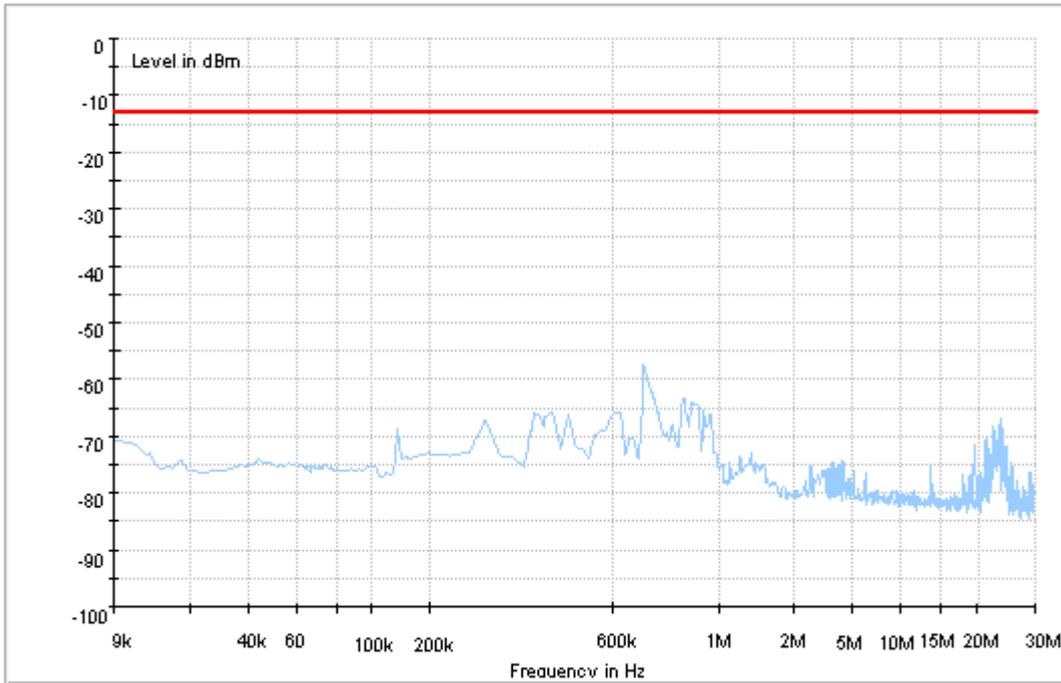
Copy of FCC PART24 GSM 1900_H



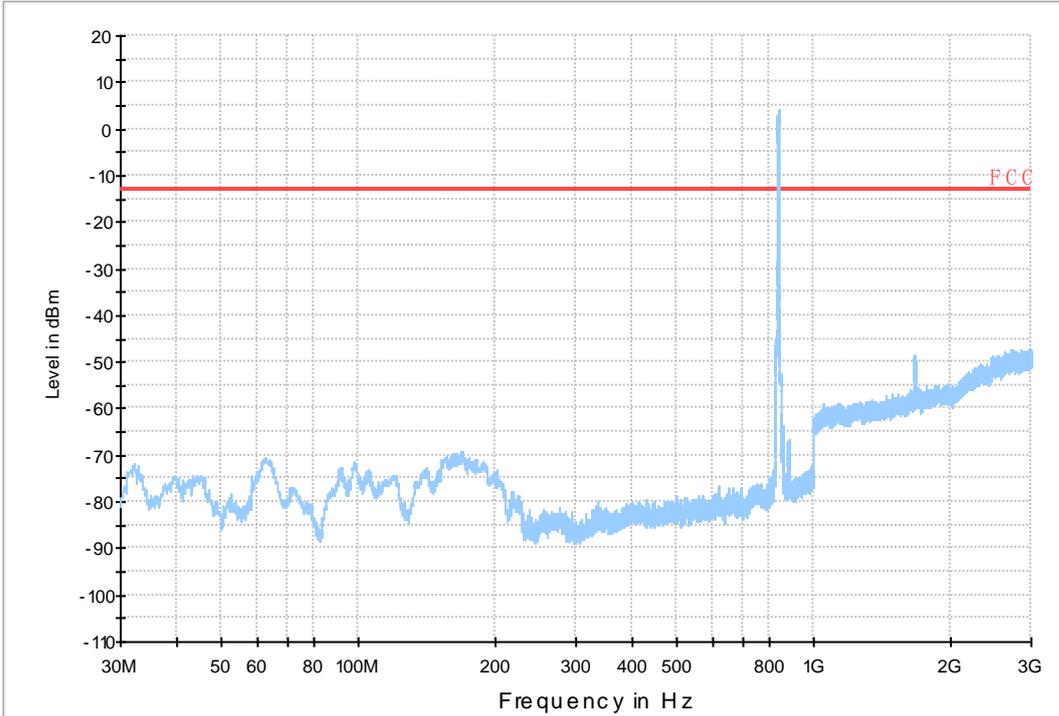
7.2 For UMTS

7.2.1 Test Band = WCDMA850

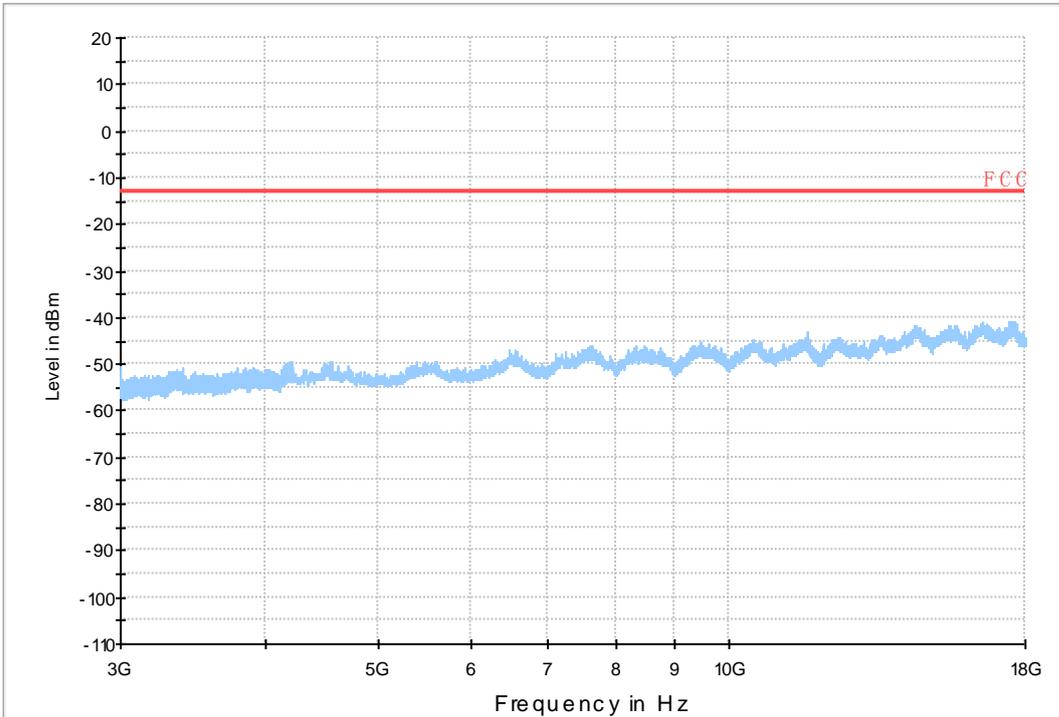
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDMA850_L

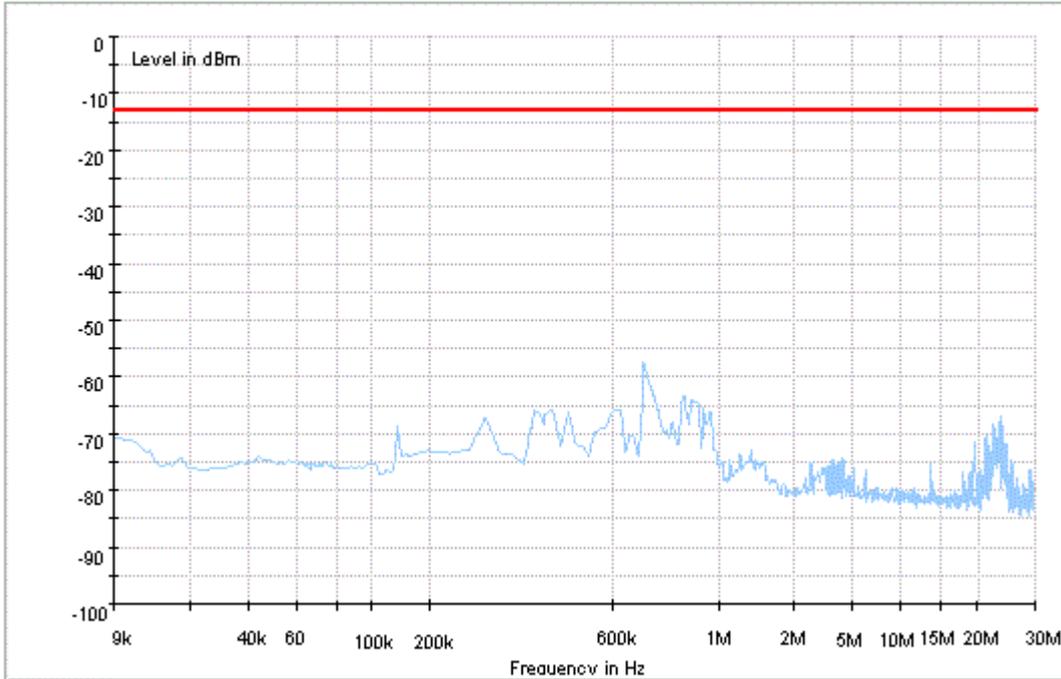


Copy of FCC PART22 W CDMA850_H

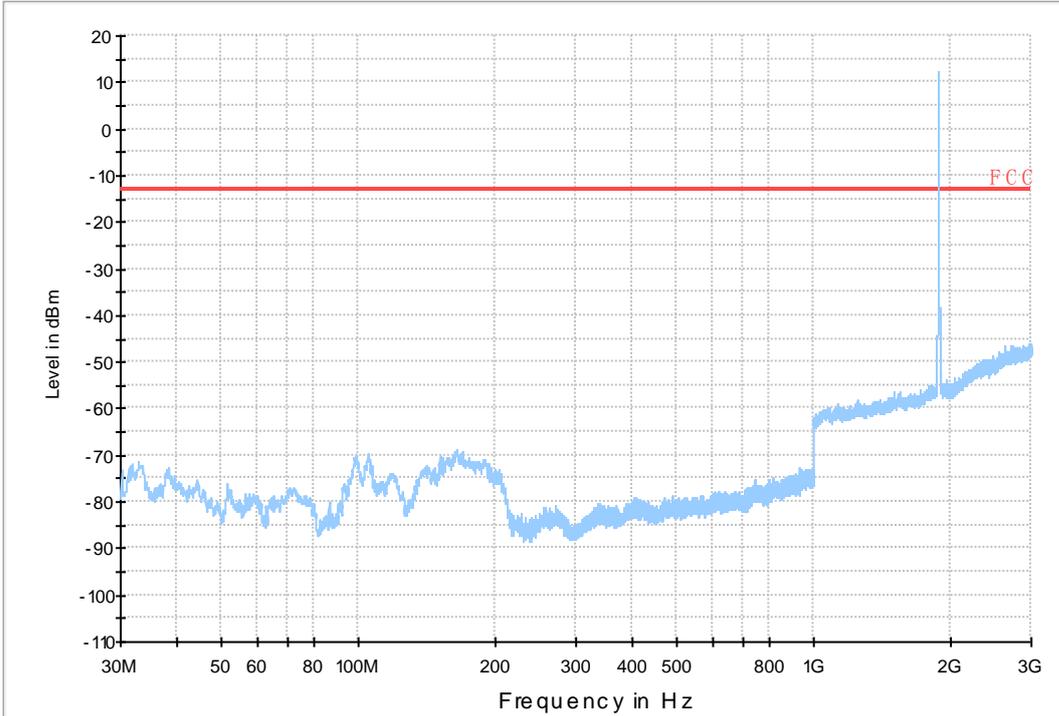


7.2.2 Test Band = WCDMA1900

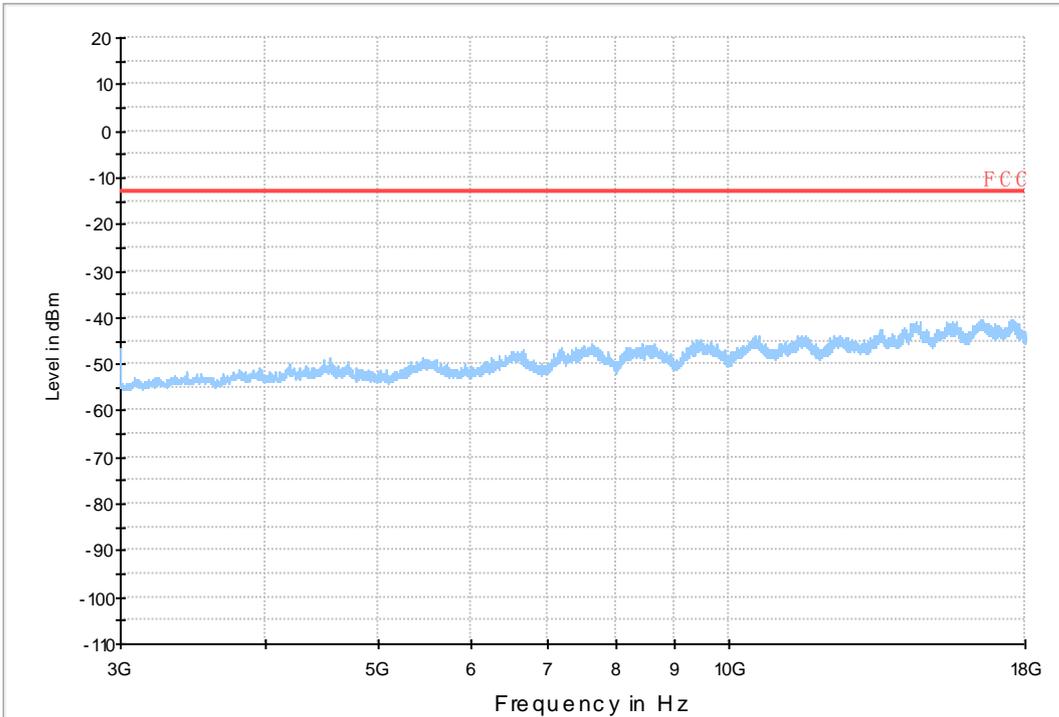
7.2.2.1 Test Mode = UMTS/TM1

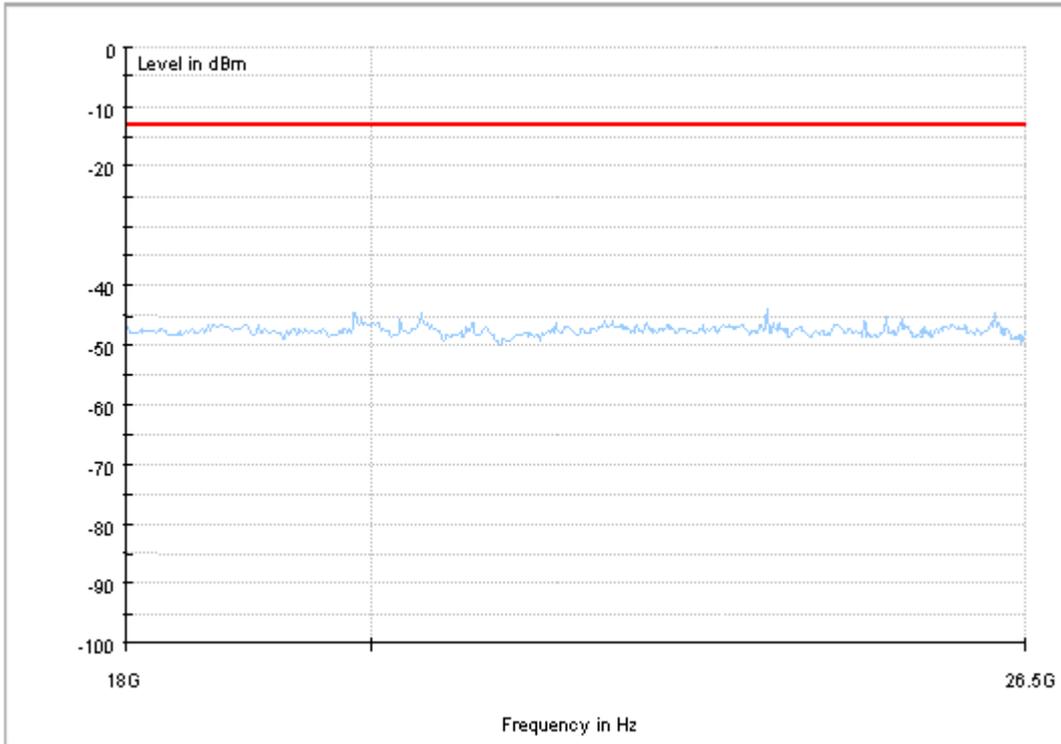


Copy of FCC PART24 W CDMA1900_L



Copy of FCC PART24 W CDMA1900_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	10.59	.01285	PASS
				VN	14.59	.0177	PASS
				VH	11.30	.01371	PASS
		MCH	TN	VL	13.56	.01621	PASS
				VN	9.62	.0115	PASS
				VH	15.30	.01829	PASS
		HCH	TN	VL	13.17	.01552	PASS
				VN	10.14	.01195	PASS
				VH	10.65	.01255	PASS
	GSM/TM2	LCH	TN	VL	12.82	.01555	PASS
				VN	14.43	.01751	PASS
				VH	14.37	.01744	PASS
		MCH	TN	VL	16.30	.01948	PASS
				VN	12.88	.0154	PASS
				VH	14.30	.01709	PASS
		HCH	TN	VL	11.82	.01393	PASS
				VN	18.69	.02202	PASS
				VH	14.46	.01704	PASS
GSM1900	GSM/TM1	LCH	TN	VL	41.39	.02237	PASS
				VN	24.80	.0134	PASS
				VH	30.09	.01626	PASS
		MCH	TN	VL	24.41	.01298	PASS
				VN	27.38	.01456	PASS
				VH	30.15	.01604	PASS
		HCH	TN	VL	44.55	.02333	PASS
				VN	29.96	.01569	PASS
				VH	50.50	.02644	PASS
	GSM/TM2	LCH	TN	VL	46.78	.02528	PASS
				VN	31.41	.01698	PASS
				VH	35.35	.01911	PASS
		MCH	TN	VL	40.55	.02157	PASS
				VN	40.74	.02167	PASS
				VH			

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	46.17	.02456	PASS
		HCH	TN	VL	33.64	.01761	PASS
				VN	44.52	.02331	PASS
				VH	29.06	.01522	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	14.21	.01724	PASS
				-20	12.33	.01496	PASS
				-10	13.43	.01629	PASS
				0	10.85	.01316	PASS
				10	13.17	.01598	PASS
				20	9.62	.01167	PASS
				30	11.62	.0141	PASS
				40	9.30	.01128	PASS
		50	15.63	.01896	PASS		
		MCH	VN	-30	8.72	.01042	PASS
				-20	17.76	.02123	PASS
				-10	12.53	.01498	PASS
				0	14.98	.01791	PASS
				10	6.01	.00718	PASS
				20	12.14	.01451	PASS
				30	14.53	.01737	PASS
				40	14.85	.01775	PASS
		50	15.11	.01806	PASS		
		HCH	VN	-30	8.39	.00988	PASS
				-20	14.92	.01758	PASS
				-10	7.81	.0092	PASS
				0	13.69	.01613	PASS
				10	8.85	.01043	PASS
				20	16.08	.01894	PASS
	30			15.95	.01879	PASS	
	40			5.29	.00623	PASS	
	50	13.95	.01643	PASS			
	GSM/TM2	LCH	VN	-30	11.98	.01454	PASS
				-20	12.85	.01559	PASS
				-10	15.69	.01904	PASS
				0	16.05	.01947	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				10	9.01	.01093	PASS						
				20	14.59	.0177	PASS						
				30	19.08	.02315	PASS						
				40	11.56	.01403	PASS						
				50	18.60	.02257	PASS						
		MCH	VN			-30	18.66	.0223	PASS				
						-20	22.28	.02663	PASS				
						-10	17.56	.02099	PASS				
						0	18.66	.0223	PASS				
						10	15.95	.01907	PASS				
						20	19.86	.02374	PASS				
						30	12.72	.0152	PASS				
						40	21.53	.02574	PASS				
						50	19.73	.02358	PASS				
						HCH	VN			-30	21.57	.02541	PASS
		-20	11.36	.01338	PASS								
		-10	20.82	.02453	PASS								
		0	20.89	.02461	PASS								
		10	9.52	.01122	PASS								
		20	14.63	.01724	PASS								
		30	14.33	.01688	PASS								
		40	18.53	.02183	PASS								
		50	21.11	.02487	PASS								
		GSM1900	GSM/TM1	LCH	VN					-30	41.52	.02244	PASS
-20	28.80									.01557	PASS		
-10	29.32									.01585	PASS		
0	30.93									.01672	PASS		
10	33.06									.01787	PASS		
20	41.78									.02258	PASS		
30	25.05									.01354	PASS		
40	23.83									.01288	PASS		
50	27.96									.01511	PASS		
MCH	VN									-30	35.77	.01903	PASS
										-20	33.96	.01806	PASS
										-10	31.83	.01693	PASS
										0	32.41	.01724	PASS
										10	39.91	.02123	PASS
										20	37.84	.02013	PASS
										30	39.71	.02112	PASS
										40	19.37	.0103	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	50	41.46	.02205	PASS
				-30	29.38	.01538	PASS
				-20	27.57	.01444	PASS
				-10	32.09	.0168	PASS
				0	46.17	.02418	PASS
				10	30.74	.0161	PASS
				20	27.64	.01447	PASS
				30	30.03	.01572	PASS
				40	29.90	.01566	PASS
				50	28.28	.01481	PASS
	GSM/TM2	LCH	VN	-30	37.52	.02028	PASS
				-20	32.71	.01768	PASS
				-10	35.03	.01893	PASS
				0	31.61	.01708	PASS
				10	36.48	.01972	PASS
				20	35.87	.01939	PASS
				30	36.64	.0198	PASS
				40	33.42	.01806	PASS
				50	35.16	.019	PASS
				MCH	VN	-30	44.68
		-20	39.36			.02094	PASS
		-10	38.94			.02071	PASS
		0	40.62			.02161	PASS
		10	36.26			.01929	PASS
		20	40.42			.0215	PASS
		30	39.16			.02083	PASS
		40	26.96			.01434	PASS
		50	43.65			.02322	PASS
		HCH	VN			-30	32.67
				-20	28.15	.01474	PASS
				-10	31.28	.01638	PASS
				0	47.85	.02505	PASS
10	49.66			.026	PASS		
20	33.74			.01767	PASS		
30	34.45			.01804	PASS		
40	36.55			.01914	PASS		
50	32.90	.01723	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	3.01	.00364	PASS
				VN	-7.80	-.00944	PASS
				VH	-5.26	-.00636	PASS
		MCH	TN	VL	1.94	.00232	PASS
				VN	-3.46	-.00414	PASS
				VH	-3.39	-.00405	PASS
		HCH	TN	VL	-4.43	-.00523	PASS
				VN	-2.24	-.00265	PASS
				VH	2.44	.00288	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-1.91	-.00103	PASS
				VN	-0.50	-.00027	PASS
				VH	-4.12	-.00222	PASS
		MCH	TN	VL	-8.27	-.0044	PASS
				VN	-0.08	-.00004	PASS
				VH	3.07	.00163	PASS
		HCH	TN	VL	-1.94	-.00102	PASS
				VN	0.67	.00035	PASS
				VH	2.30	.00121	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	-7.05	-.00853	PASS
				-20	-0.53	-.00064	PASS
				-10	-0.95	-.00115	PASS
				0	-1.33	-.00161	PASS
				10	-2.84	-.00344	PASS
				20	-1.05	-.00127	PASS
				30	-2.14	-.00259	PASS
				40	0.99	.0012	PASS
		MCH	VN	50	2.17	.00263	PASS
				-30	-4.65	-.00556	PASS
				-20	5.45	.00652	PASS
				-10	3.23	.00386	PASS
				0	3.39	.00405	PASS
				10	1.92	.0023	PASS
		20	-0.96	-.00115	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				30	1.28	.00153	PASS						
				40	1.59	.0019	PASS						
				50	5.17	.00618	PASS						
		HCH	VN			-30	-4.82	-.00569	PASS				
						-20	-0.12	-.00014	PASS				
						-10	-1.25	-.00148	PASS				
						0	2.20	.0026	PASS				
						10	2.67	.00315	PASS				
						20	2.58	.00305	PASS				
						30	0.35	.00041	PASS				
						40	3.56	.00421	PASS				
						50	1.65	.00195	PASS				
						WCDMA1900	UMTS/TM1	LCH	VN				
-20	1.82	.00098	PASS										
-10	-0.93	-.0005	PASS										
0	1.39	.00075	PASS										
10	-2.81	-.00152	PASS										
20	7.02	.00379	PASS										
30	2.85	.00154	PASS										
40	1.68	.00091	PASS										
50	1.19	.00064	PASS										
MCH	VN												
										-30	-0.53	-.00028	PASS
										-20	6.45	.00343	PASS
										-10	6.24	.00332	PASS
						0	5.48			.00291	PASS		
						10	0.69			.00037	PASS		
						20	3.07			.00163	PASS		
						30	8.04			.00428	PASS		
40	2.81	.00149	PASS										
50	0.78	.00041	PASS										
HCH	VN												
								-30	-7.92	-.00415	PASS		
								-20	4.70	.00246	PASS		
								-10	3.85	.00202	PASS		
								0	7.57	.00397	PASS		
								10	7.97	.00418	PASS		
								20	7.55	.00396	PASS		
								30	4.64	.00243	PASS		
40	5.25	.00275	PASS										
50	4.88	.00256	PASS										