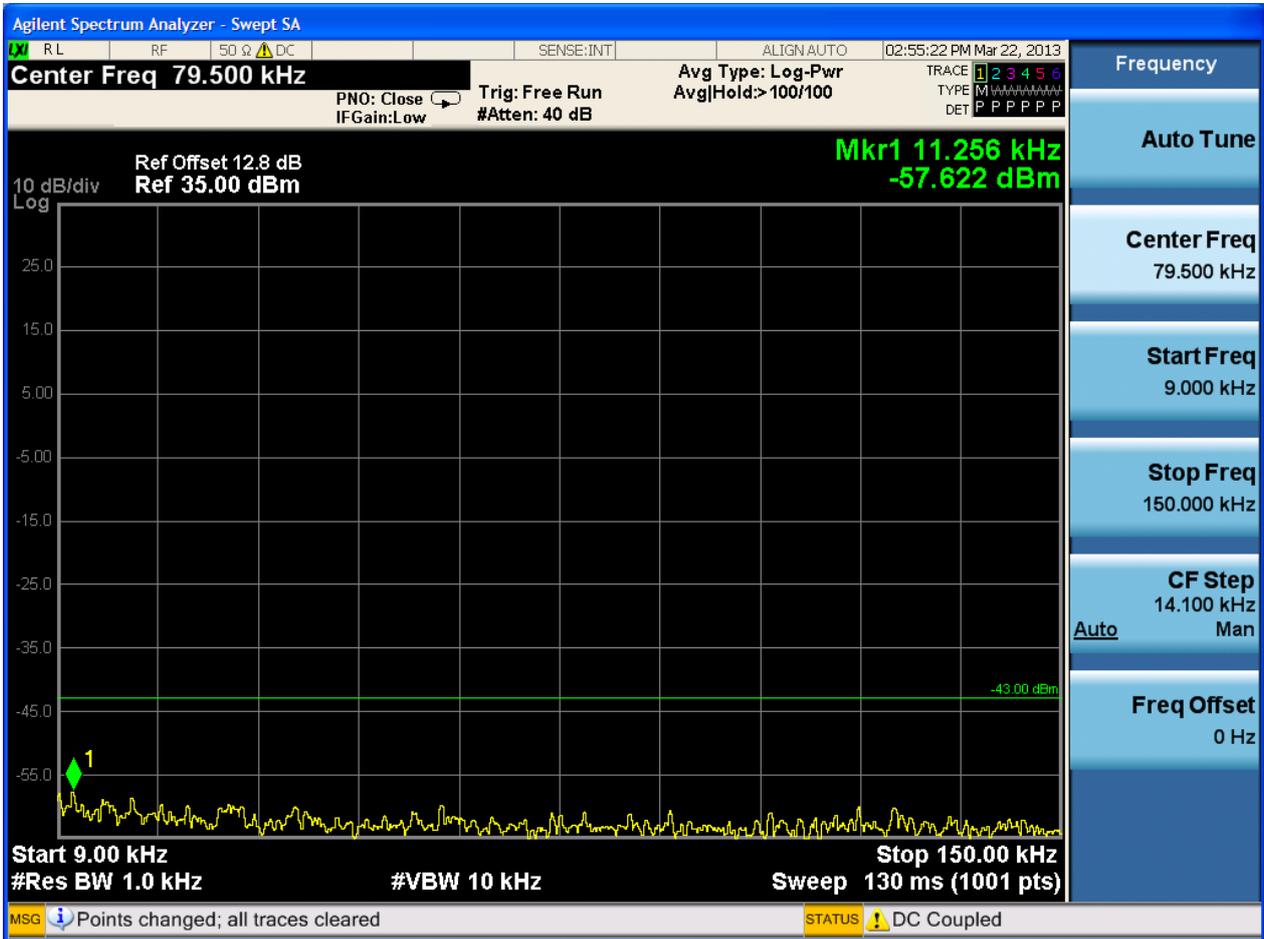


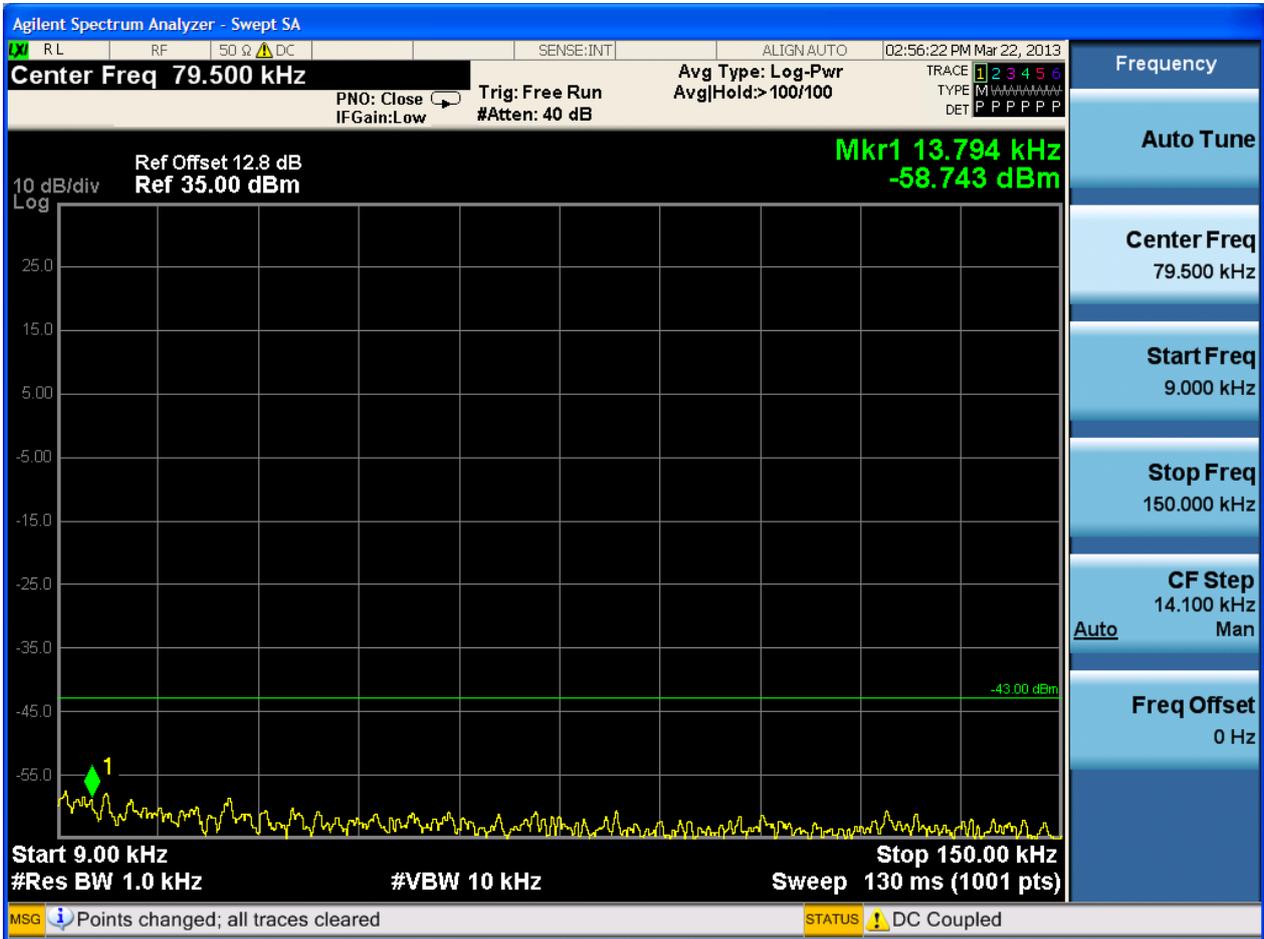
6.1.2.1.2 Test Channel = MCH

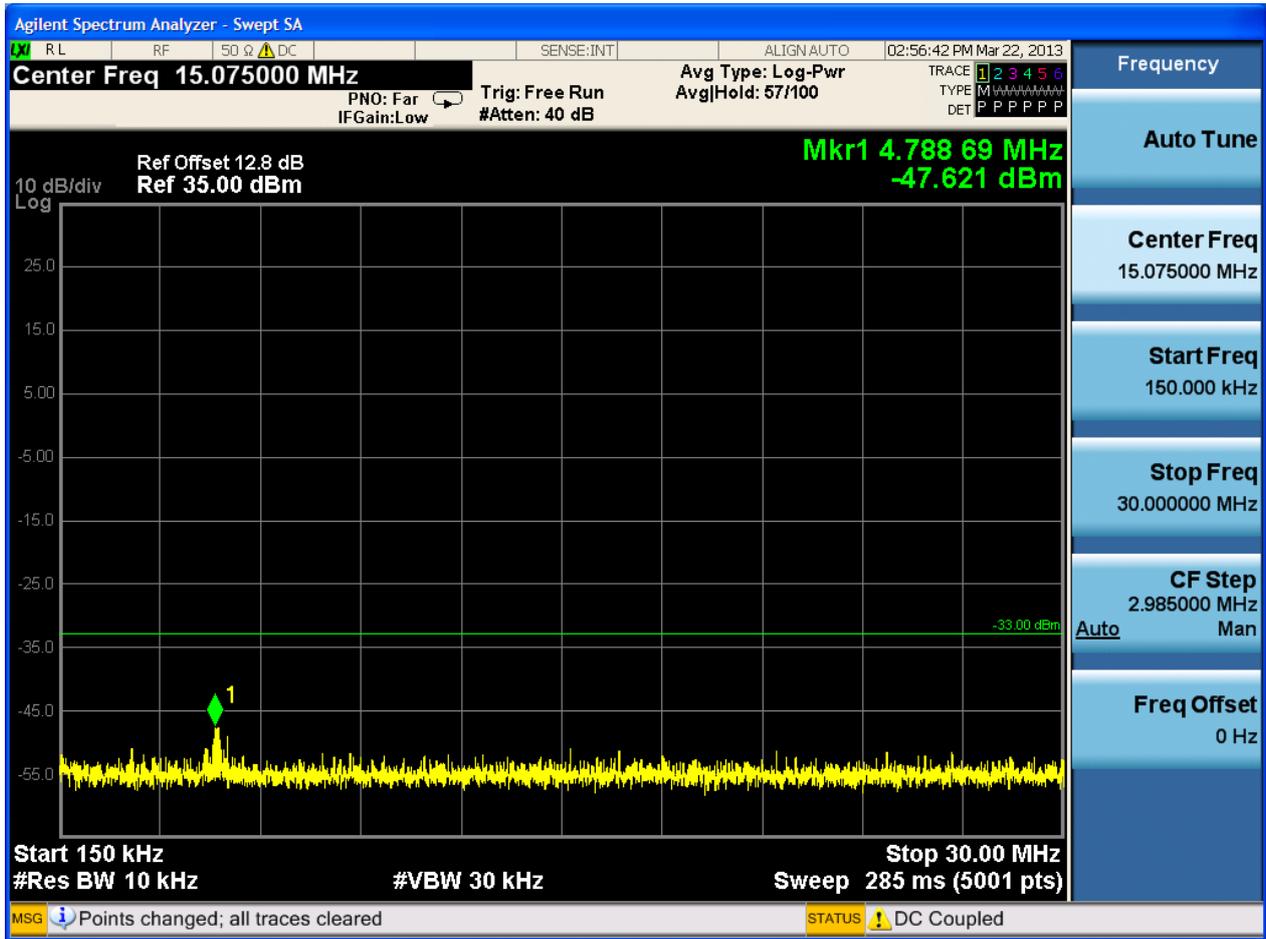


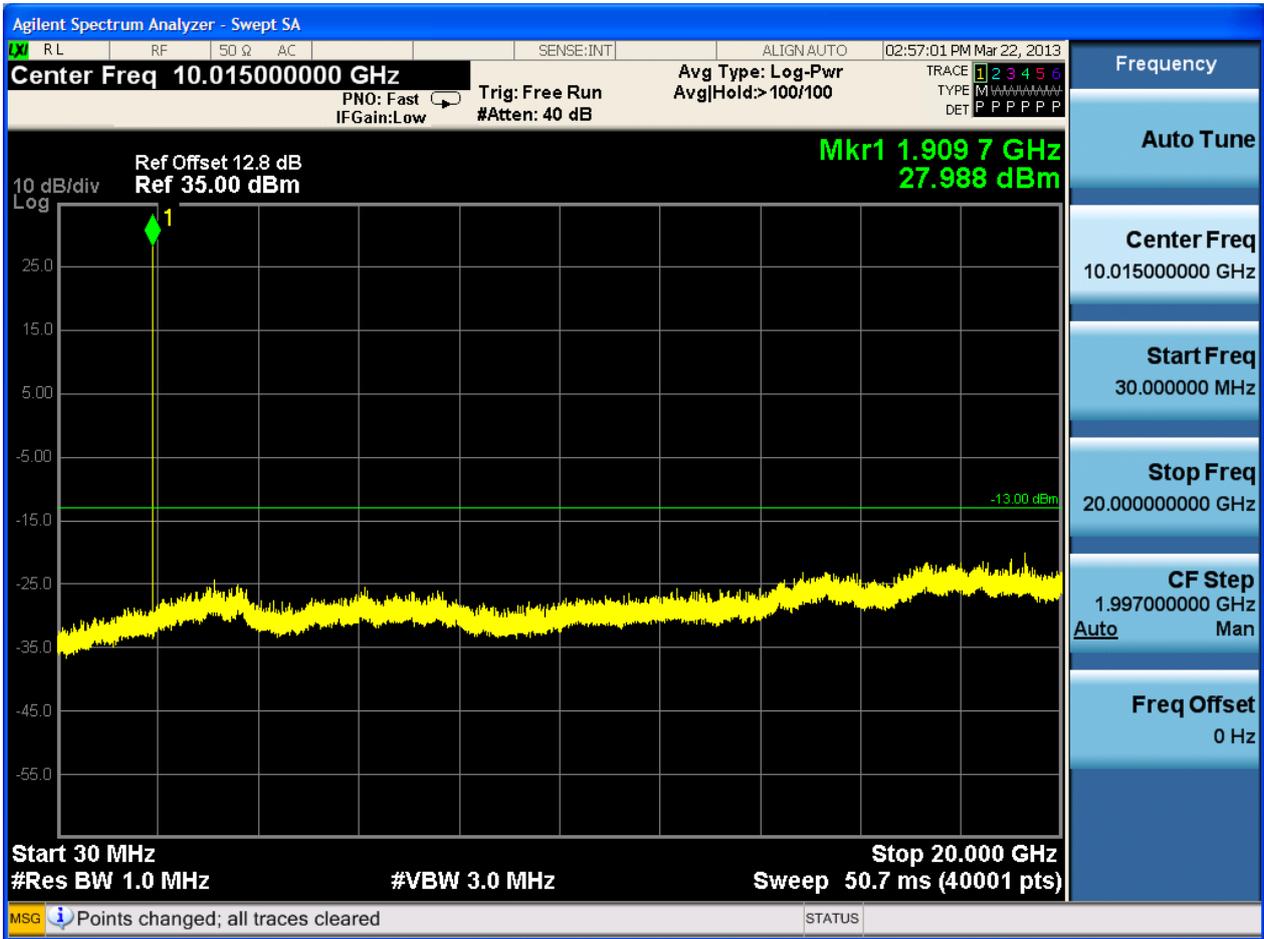




6.1.2.1.3 Test Channel = HCH



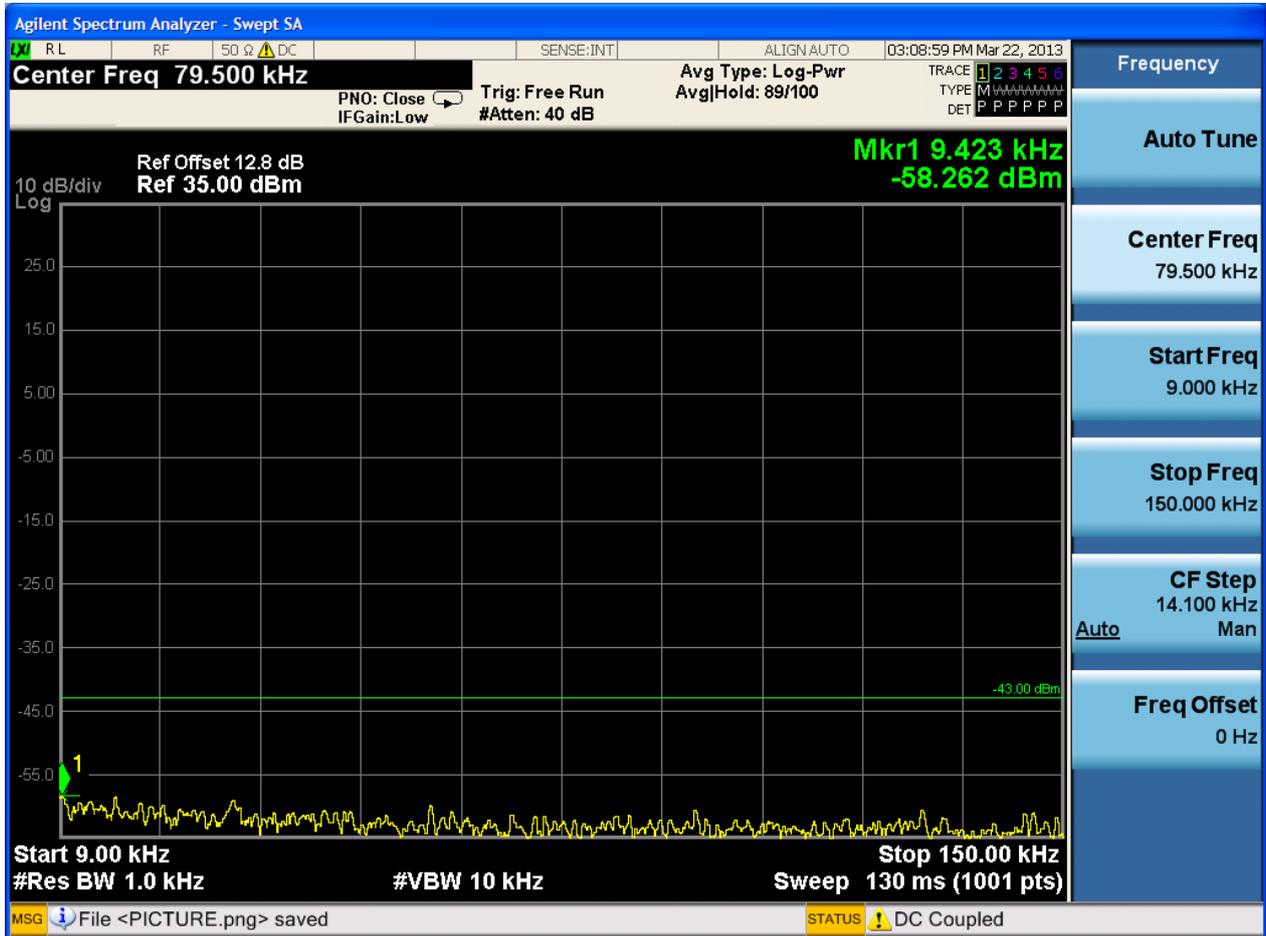


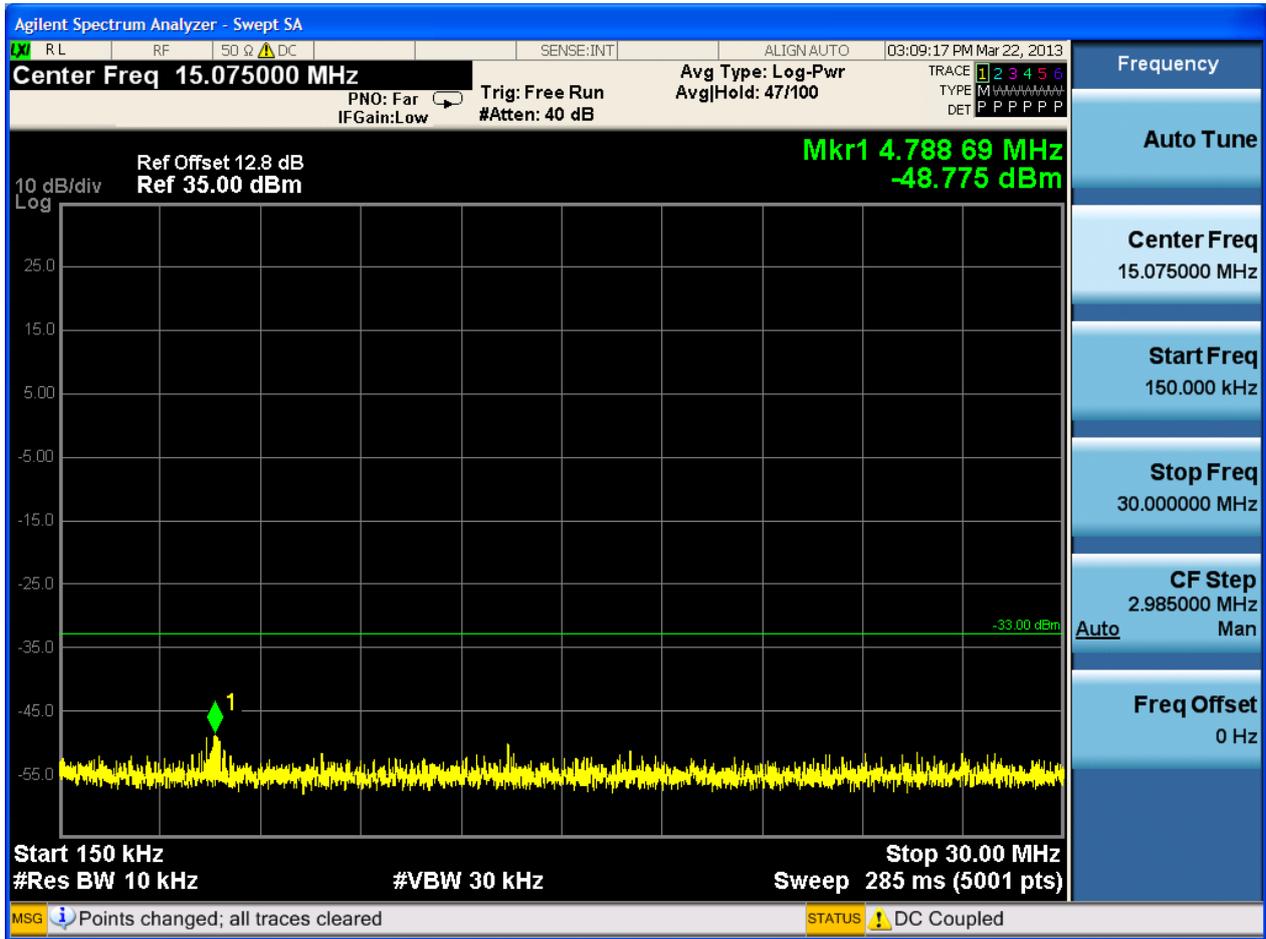




6.1.2.2 Test Mode = GSM/TM2

6.1.2.2.1 Test Channel = LCH



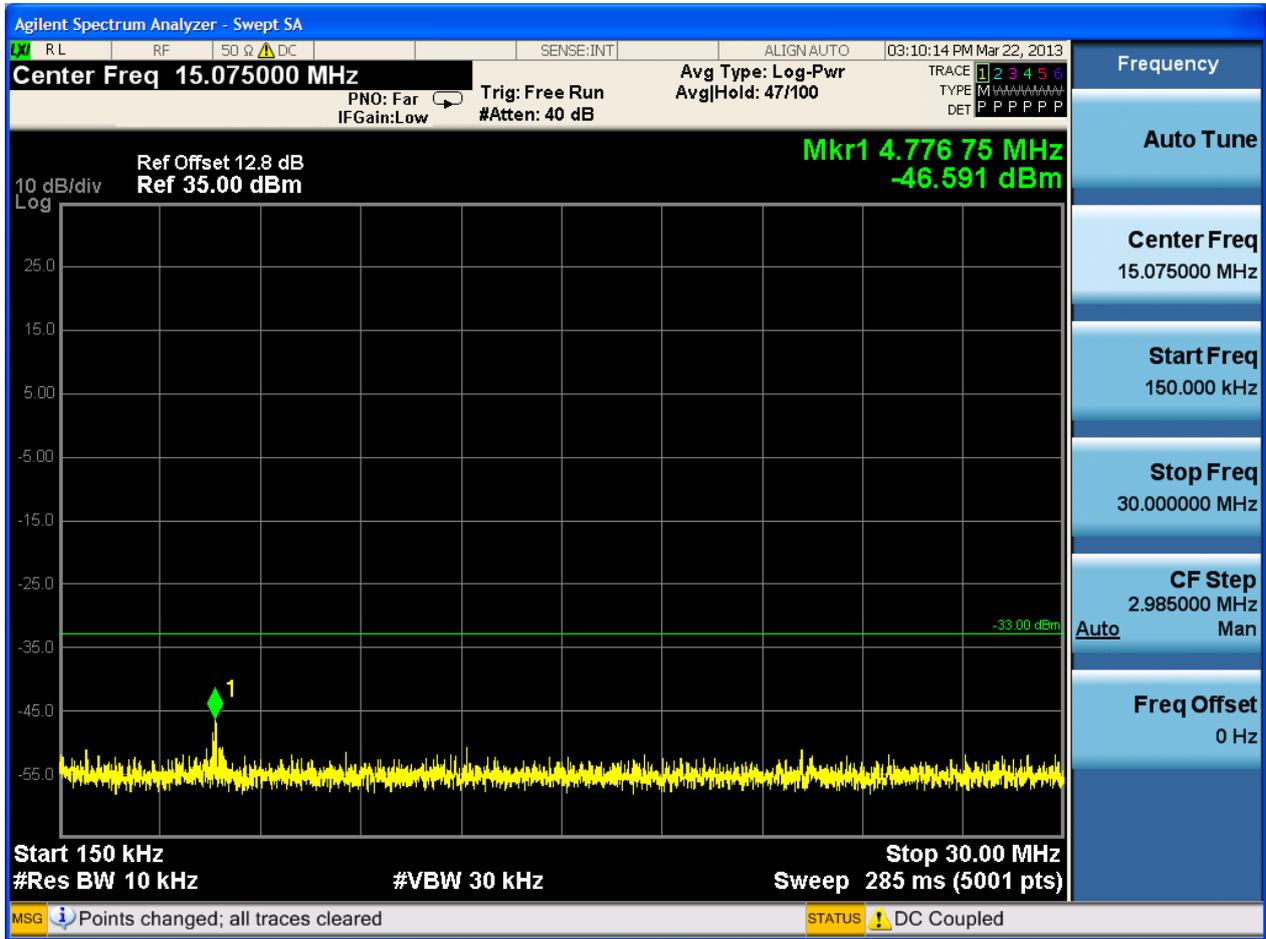






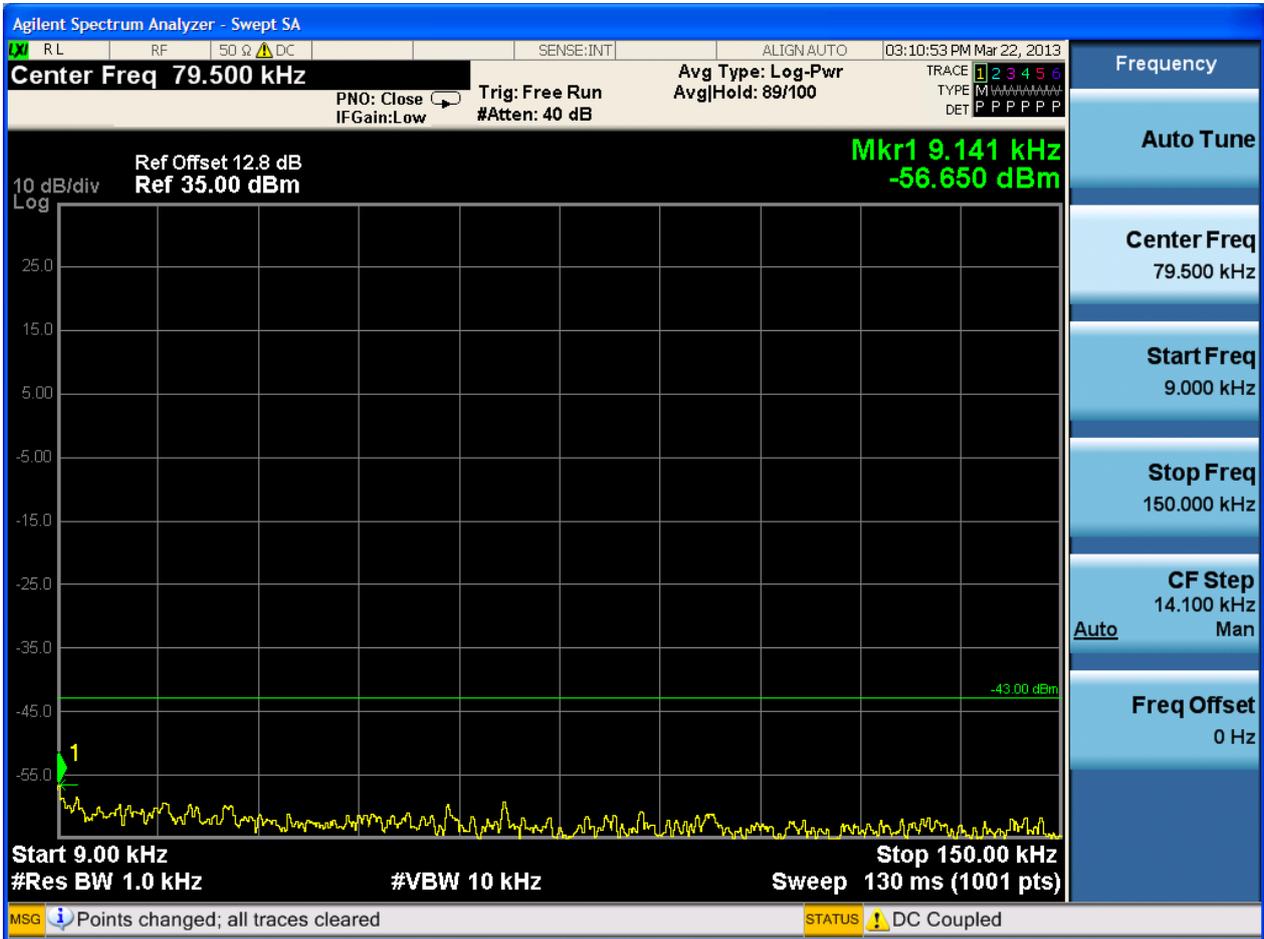
6.1.2.2.2 Test Channel = MCH

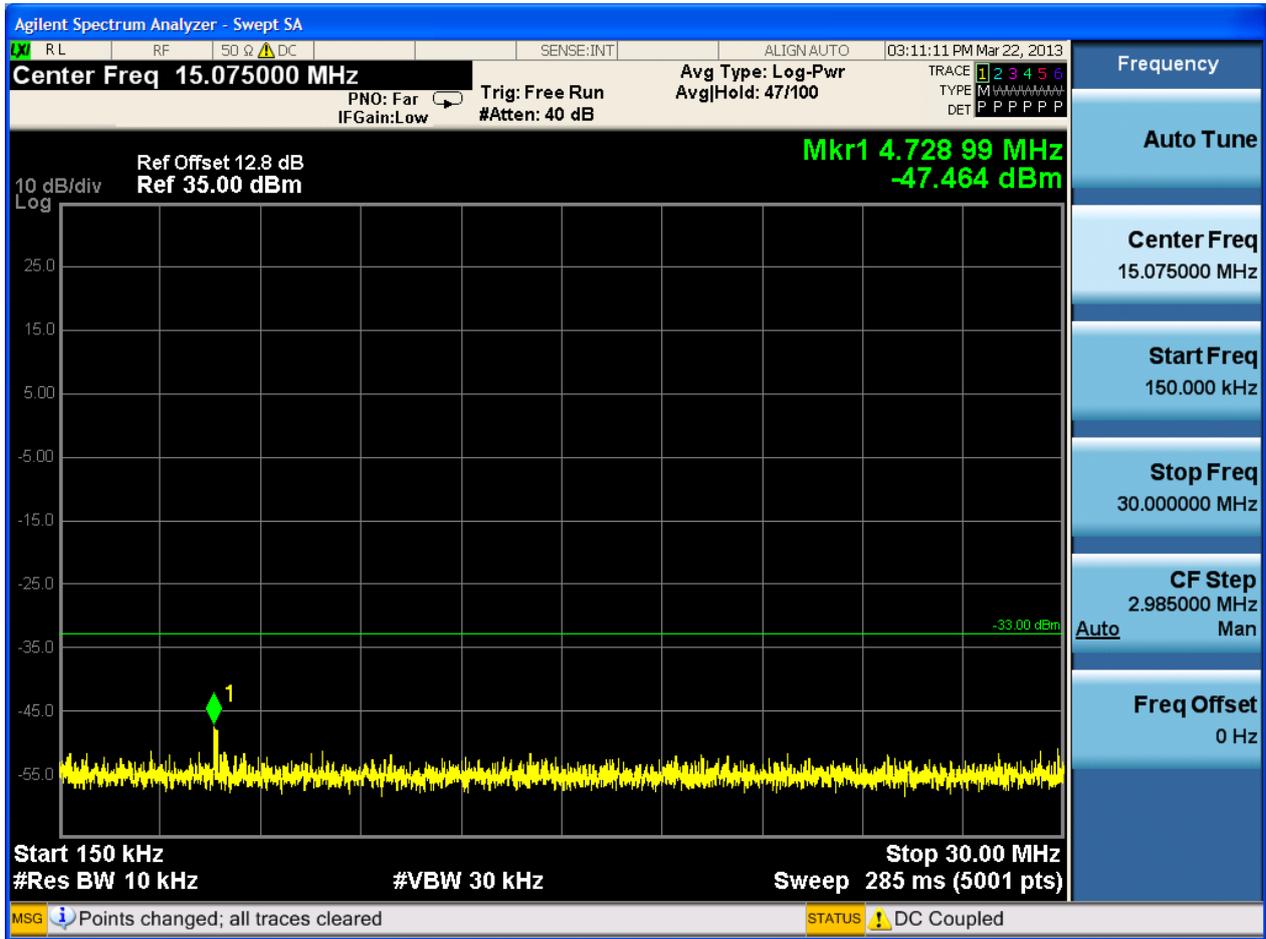


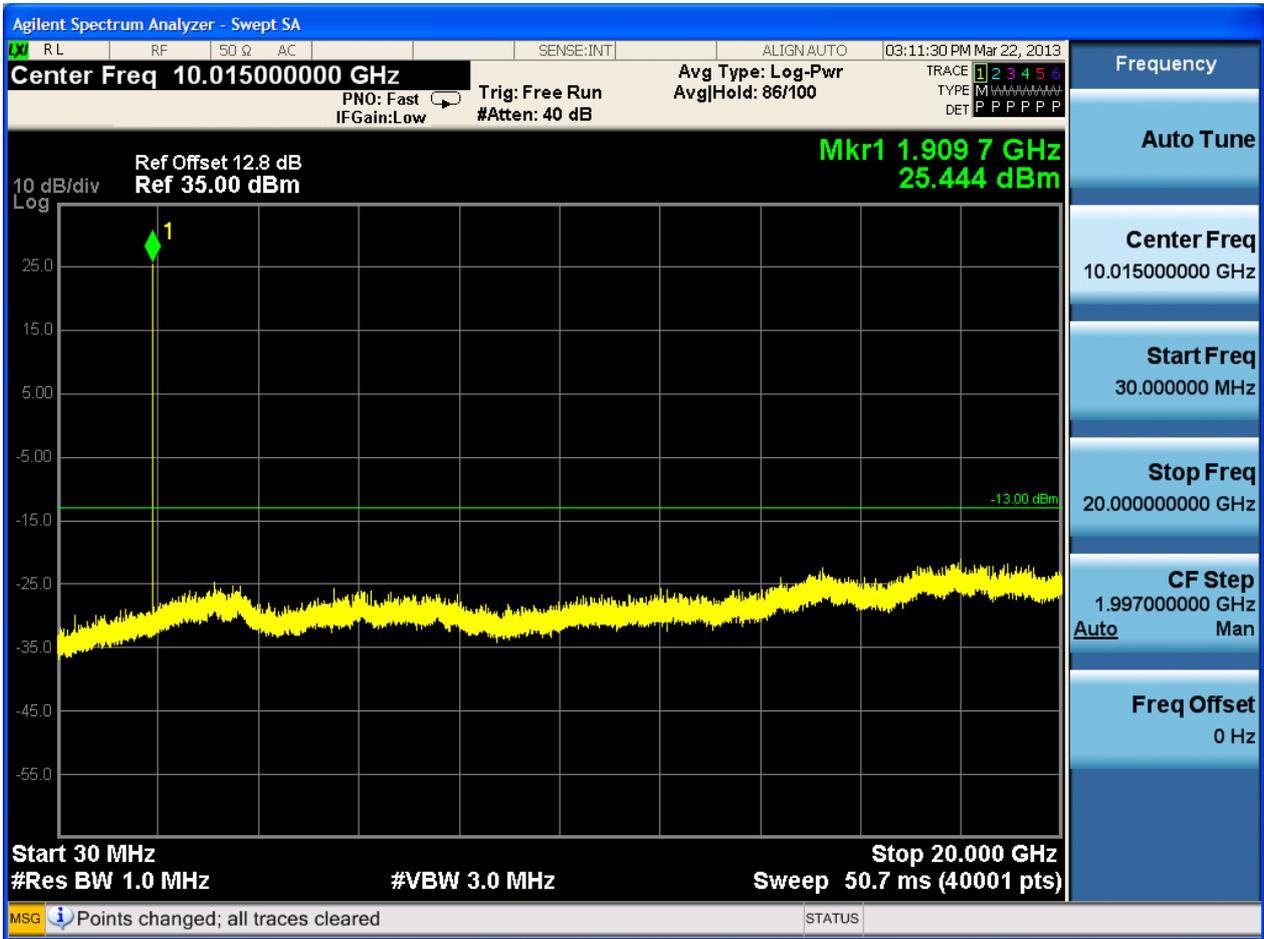




6.1.2.2.3 Test Channel = HCH







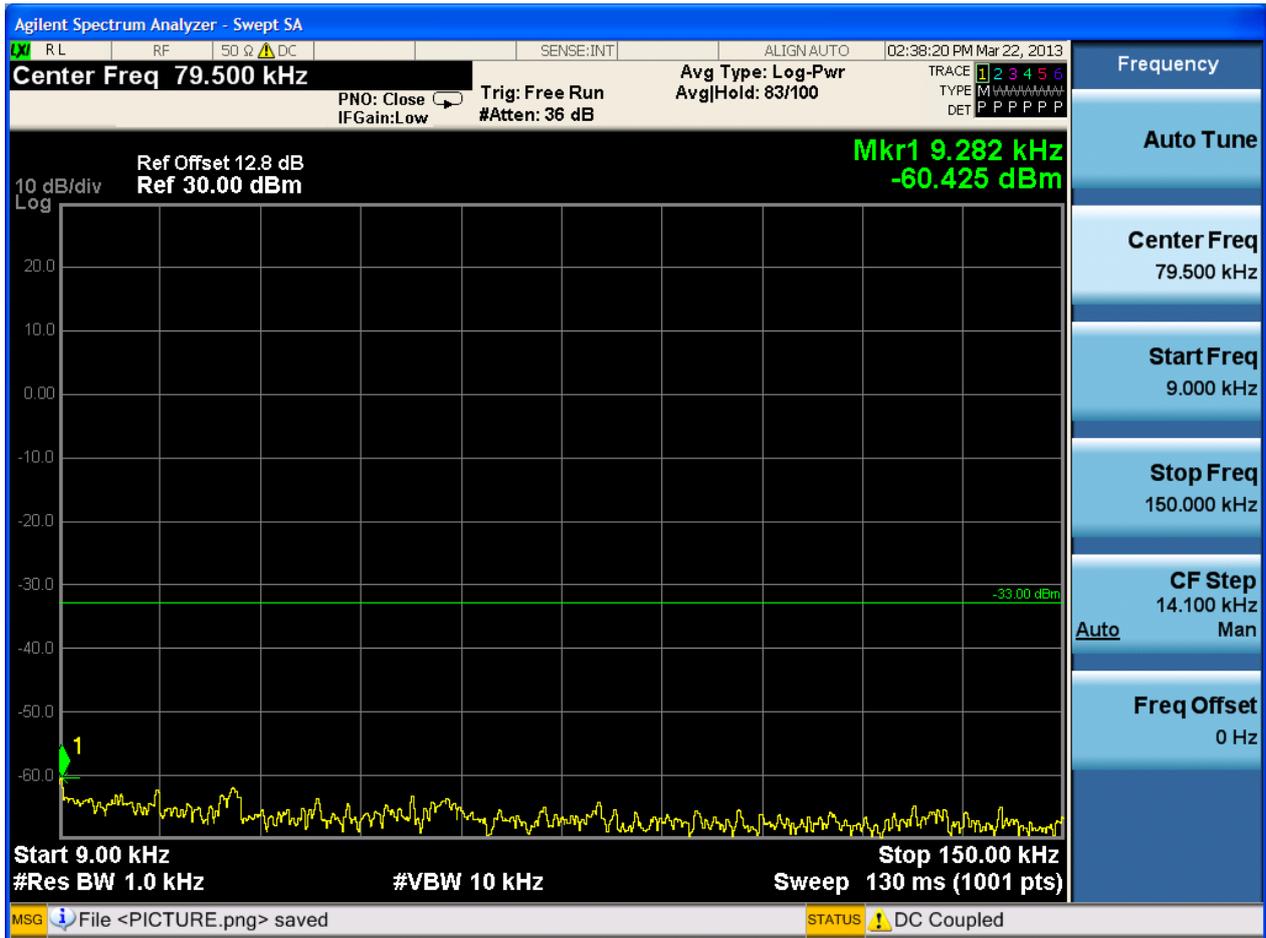


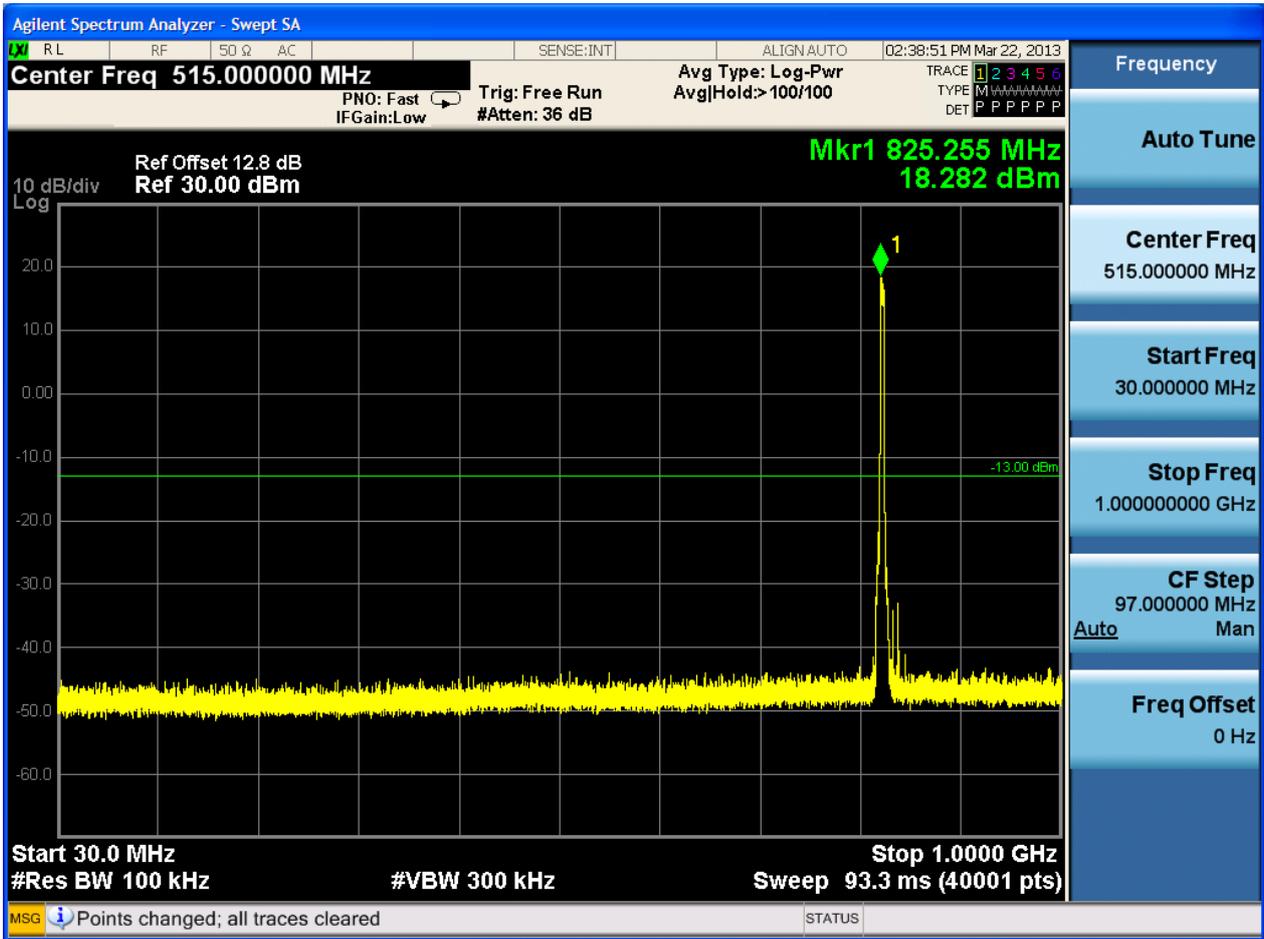
6.2 For UMTS

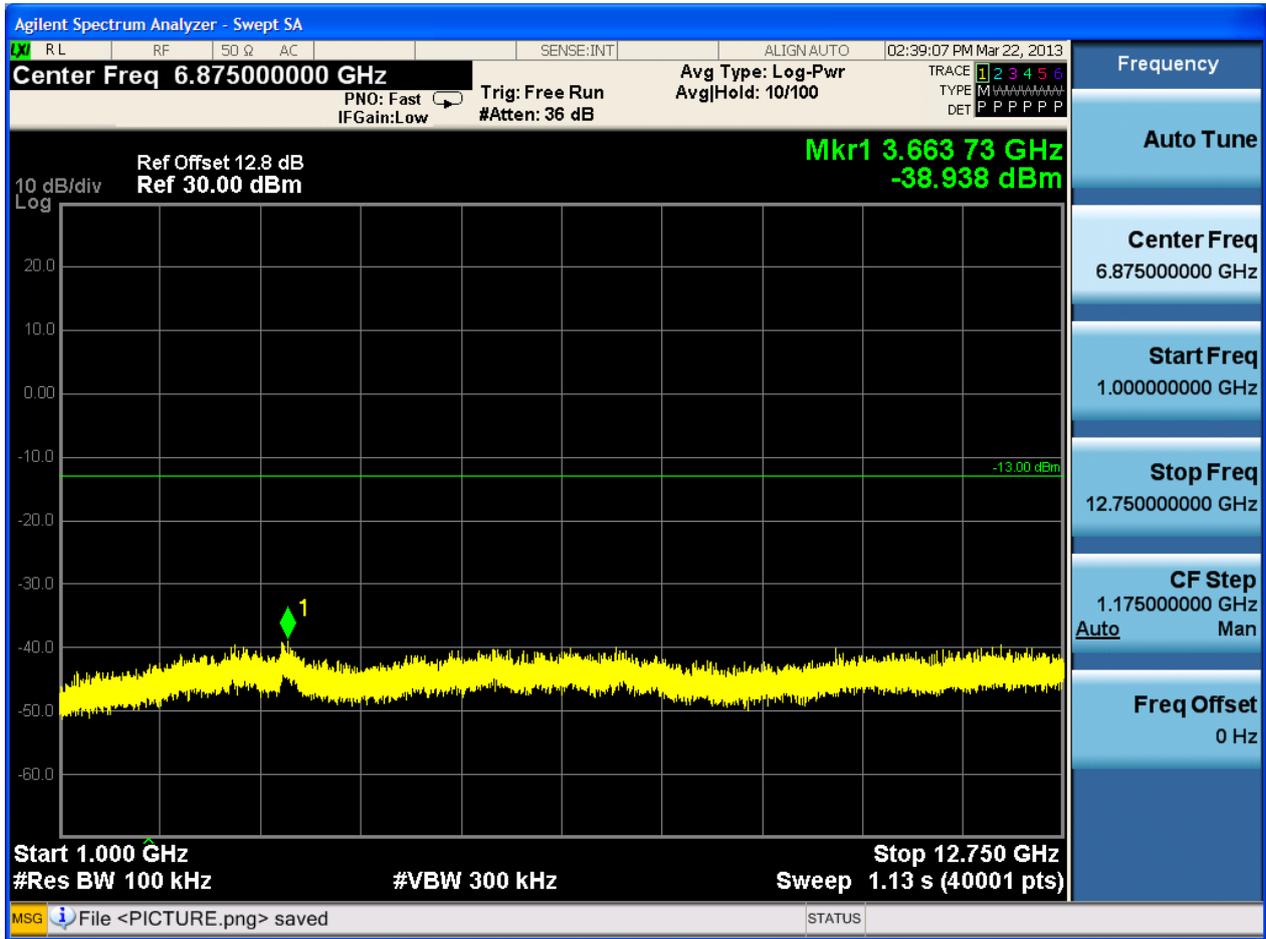
6.2.1 Test Band = WCDMA850

6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

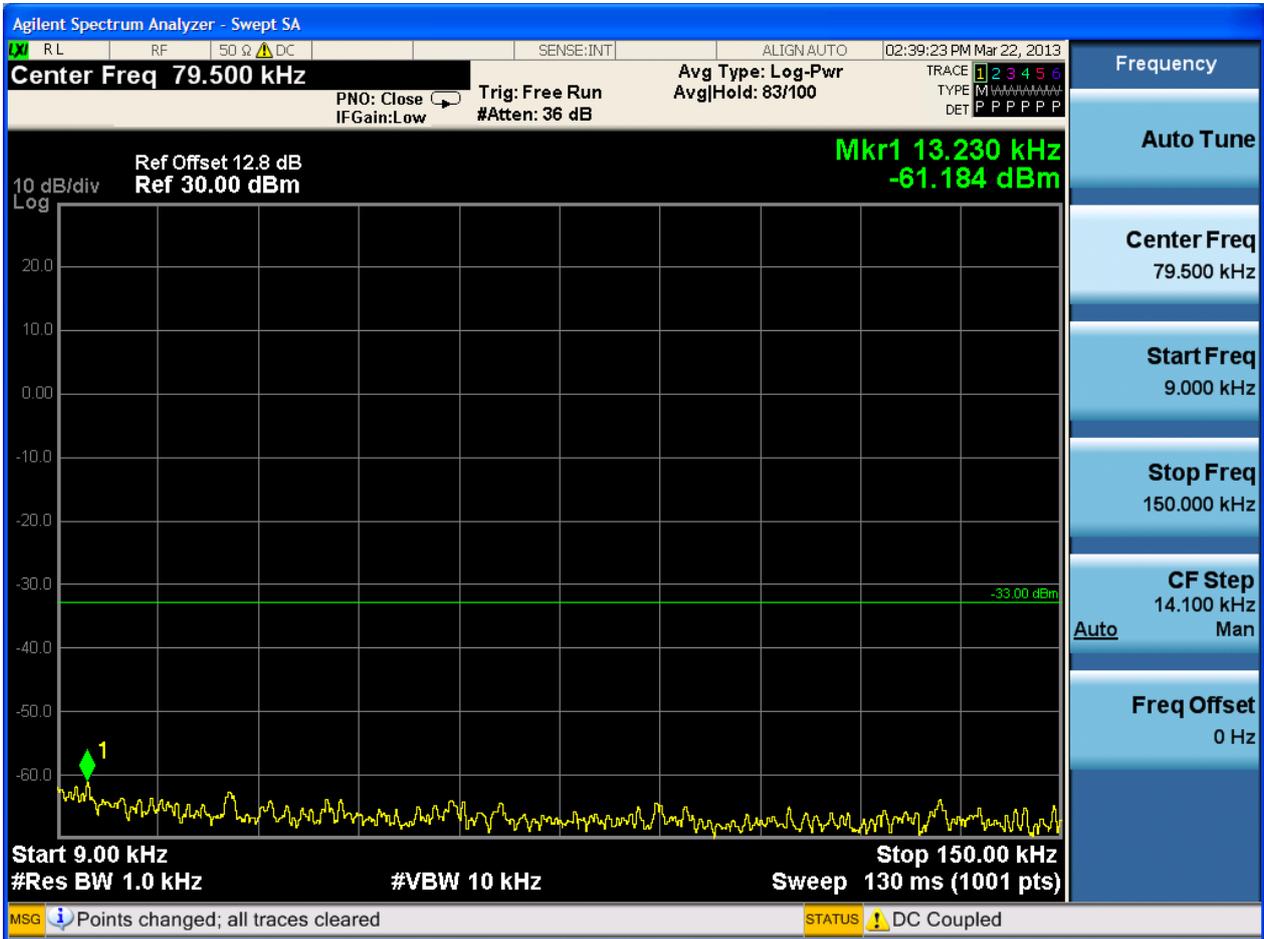


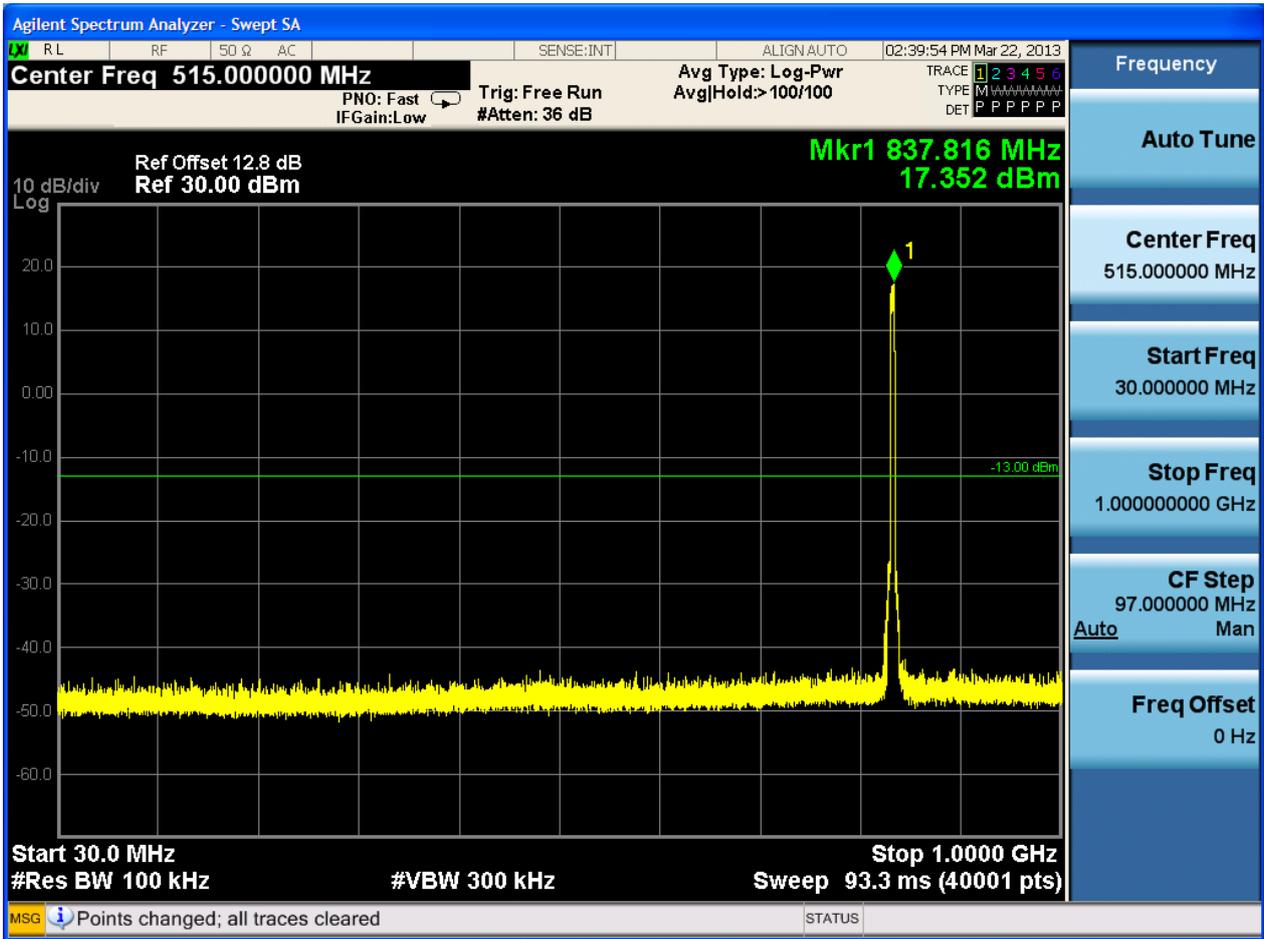


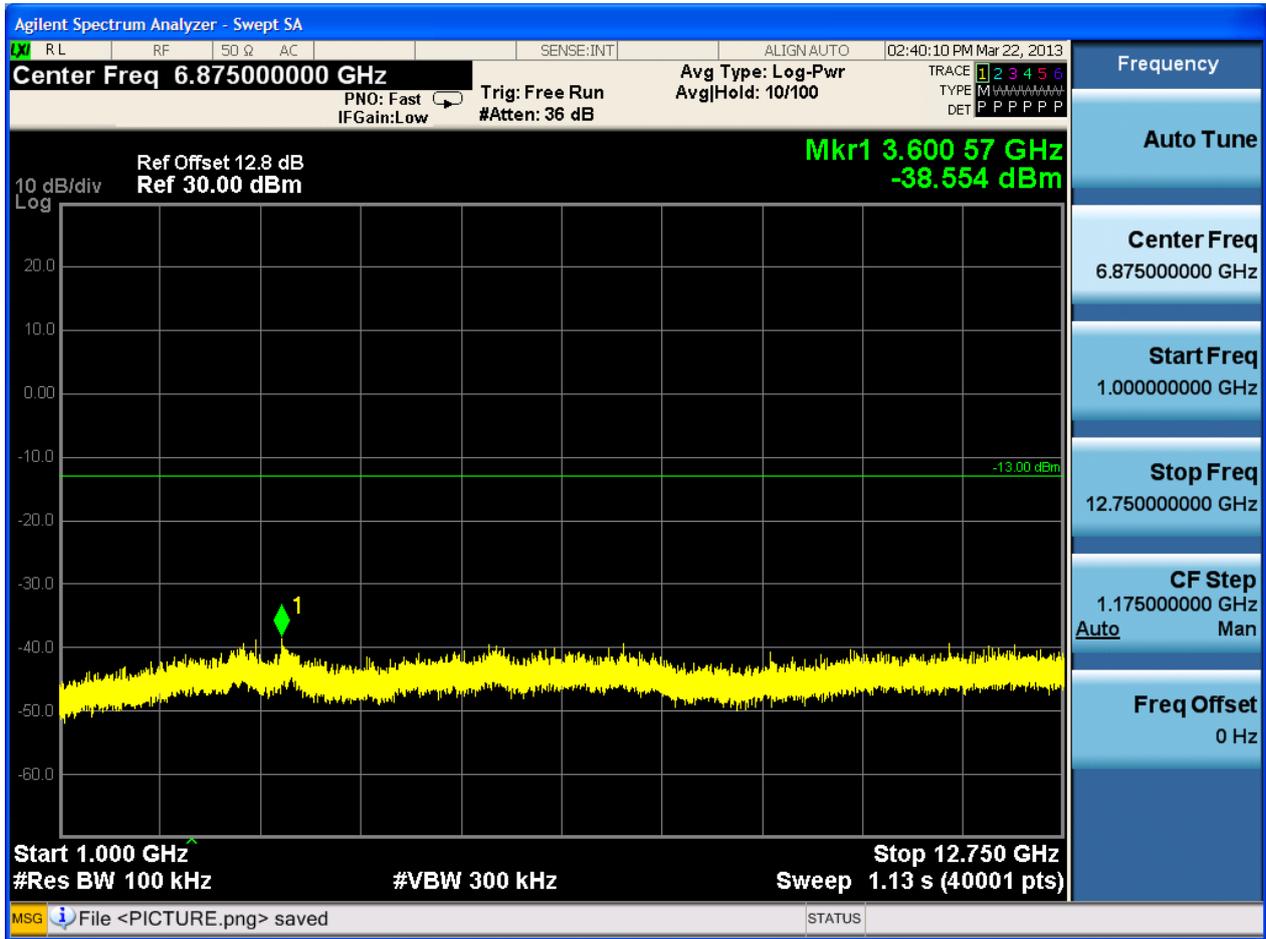




6.2.1.1.2 Test Channel = MCH

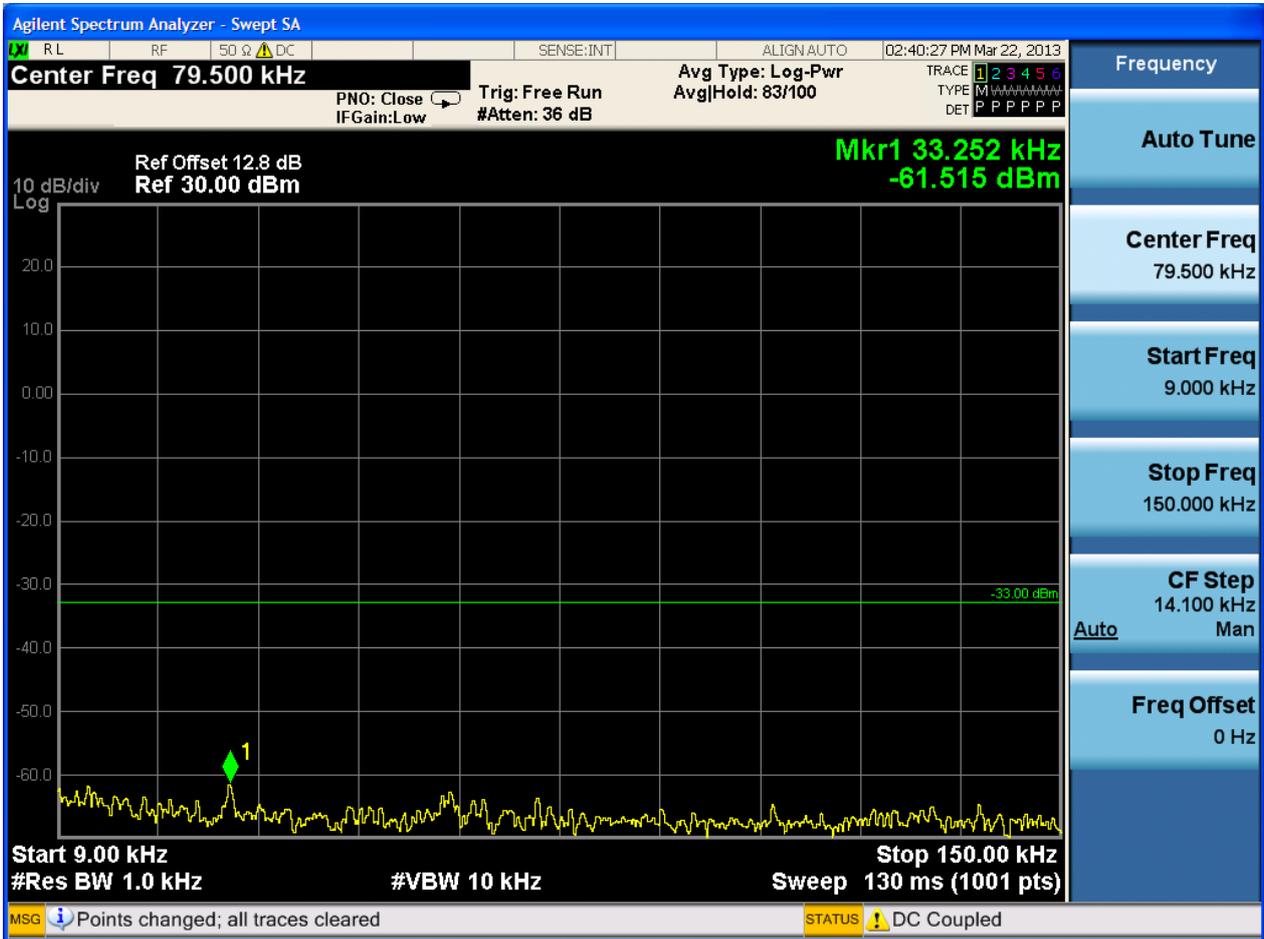


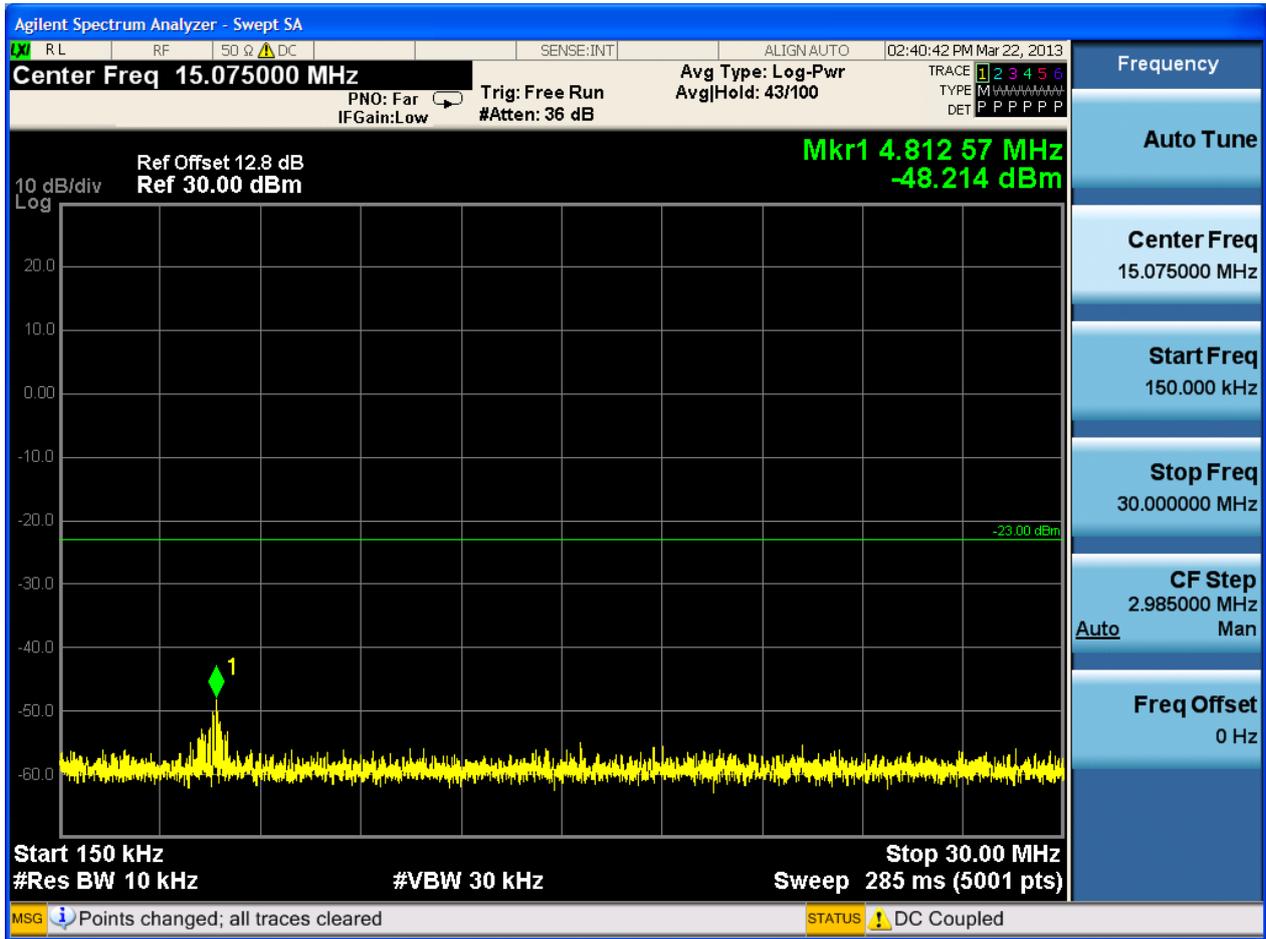


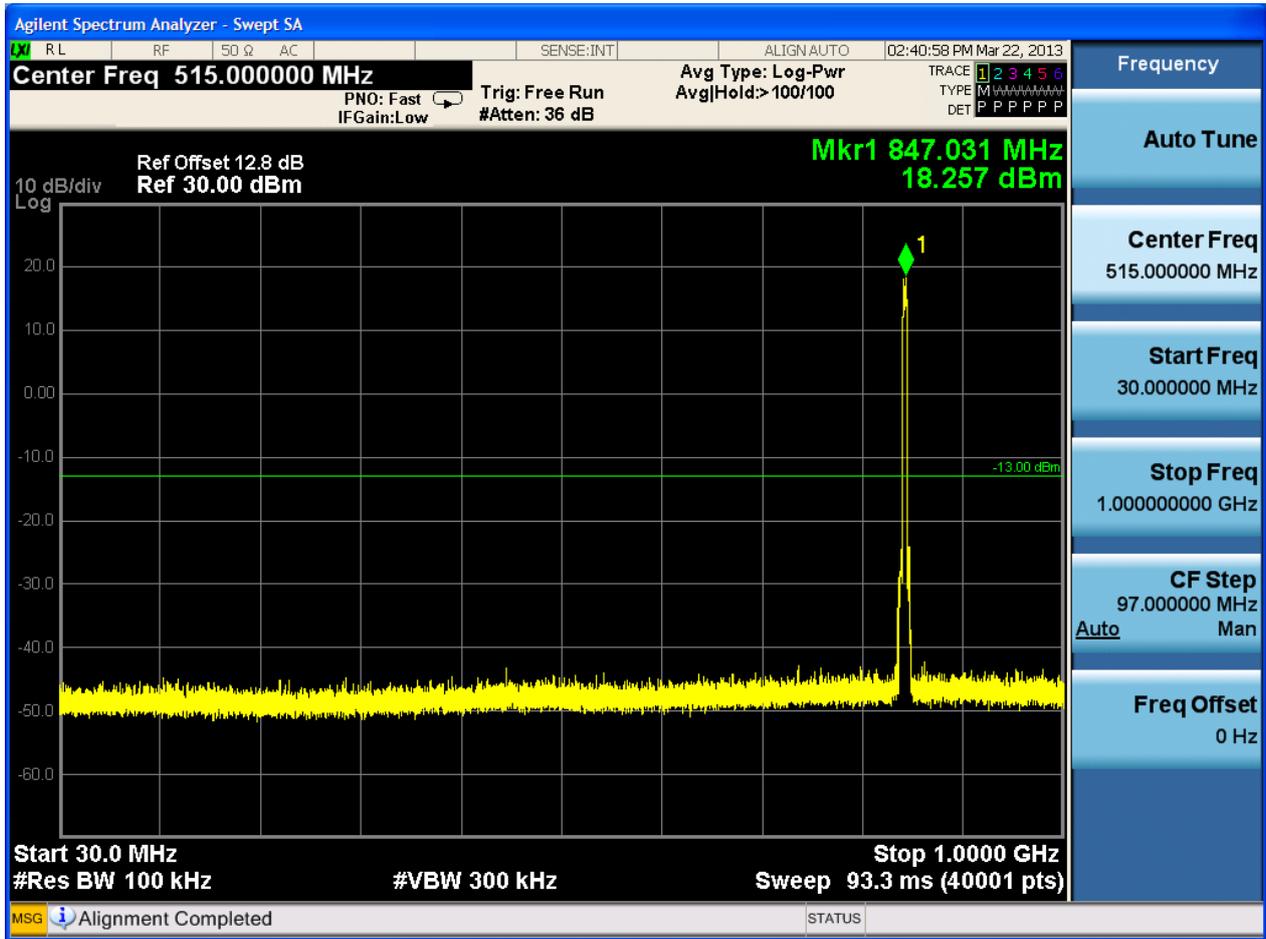


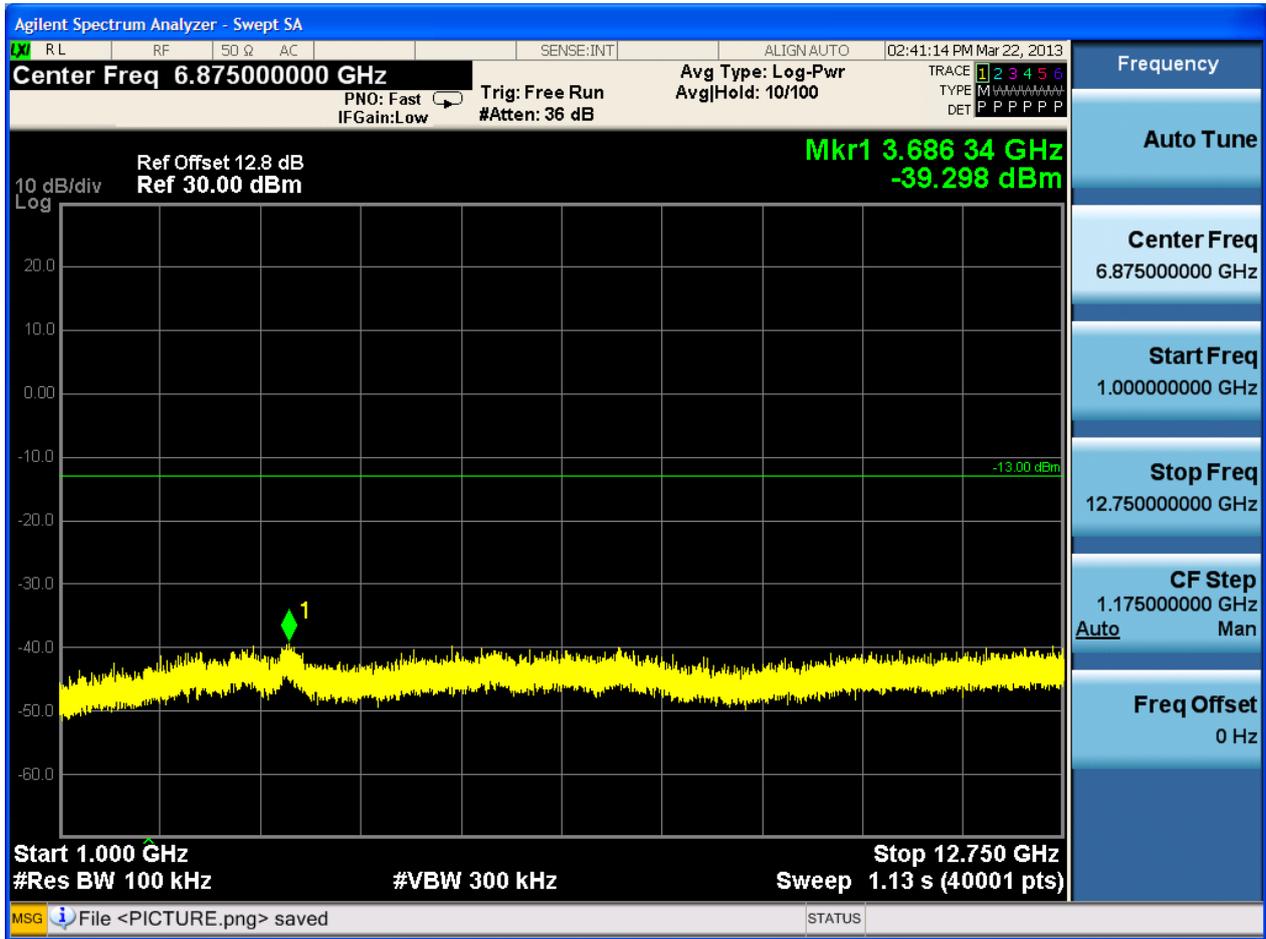


6.2.1.1.3 Test Channel = HCH







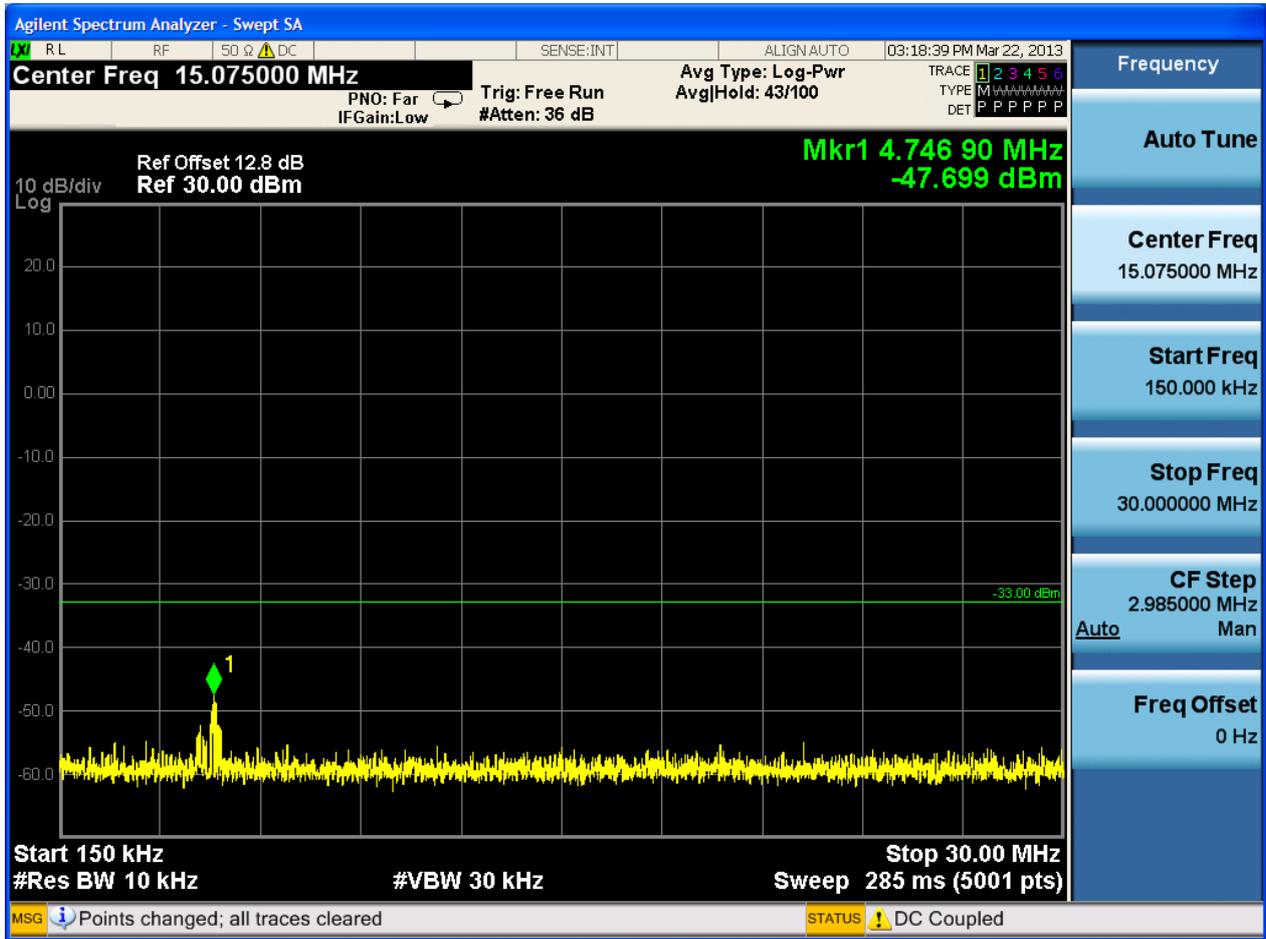


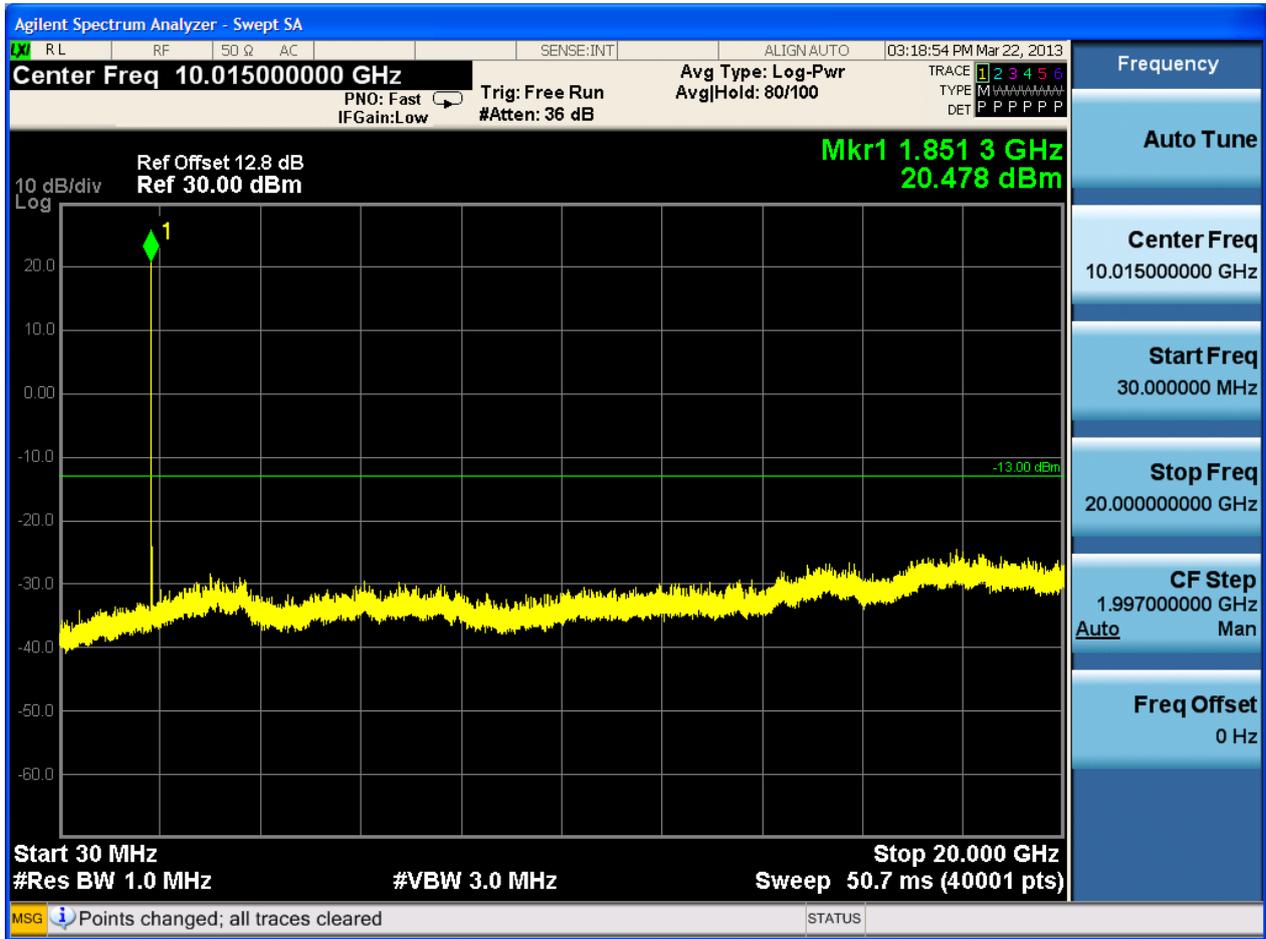
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

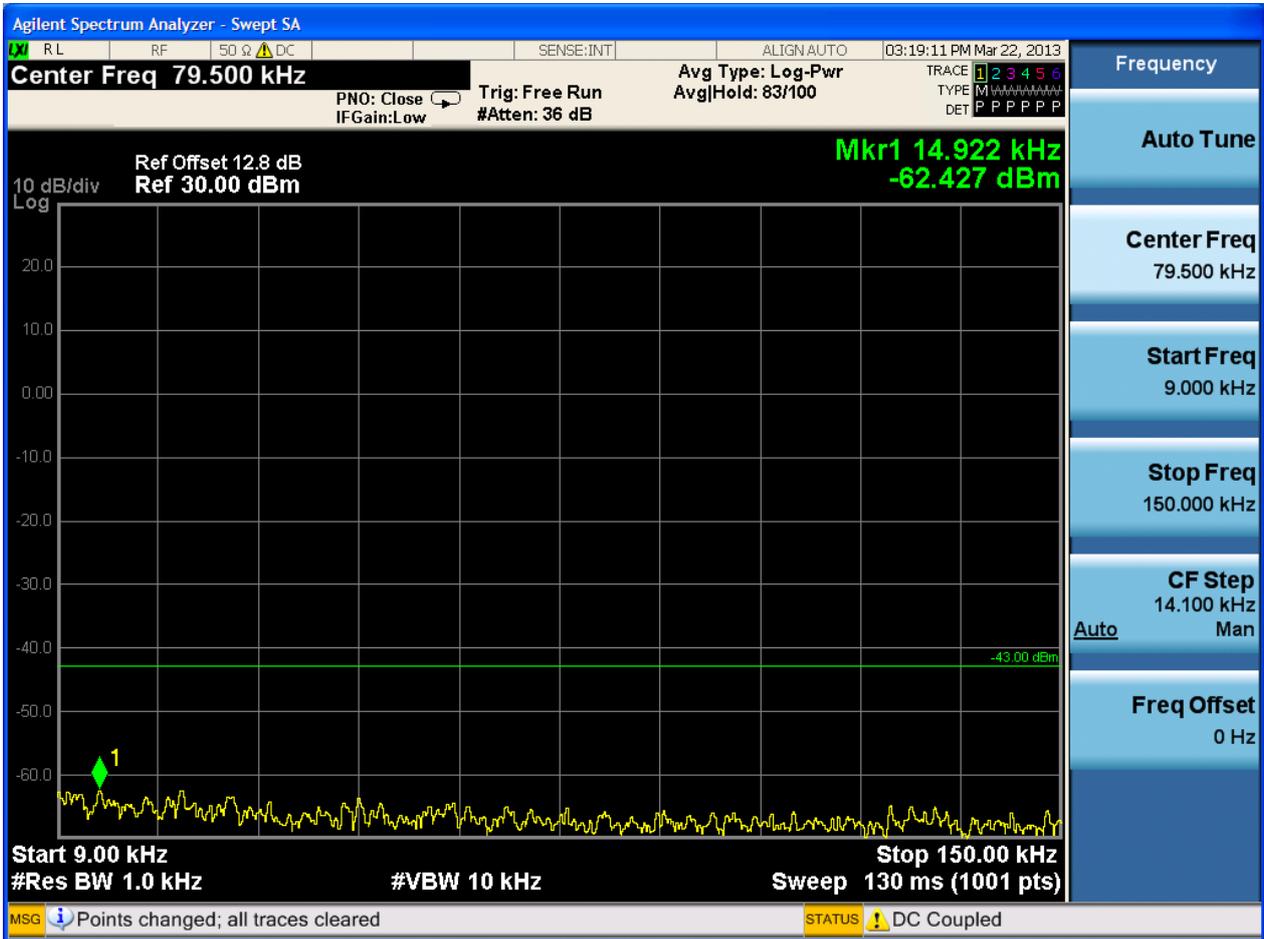
6.2.2.1.1 Test Channel = LCH

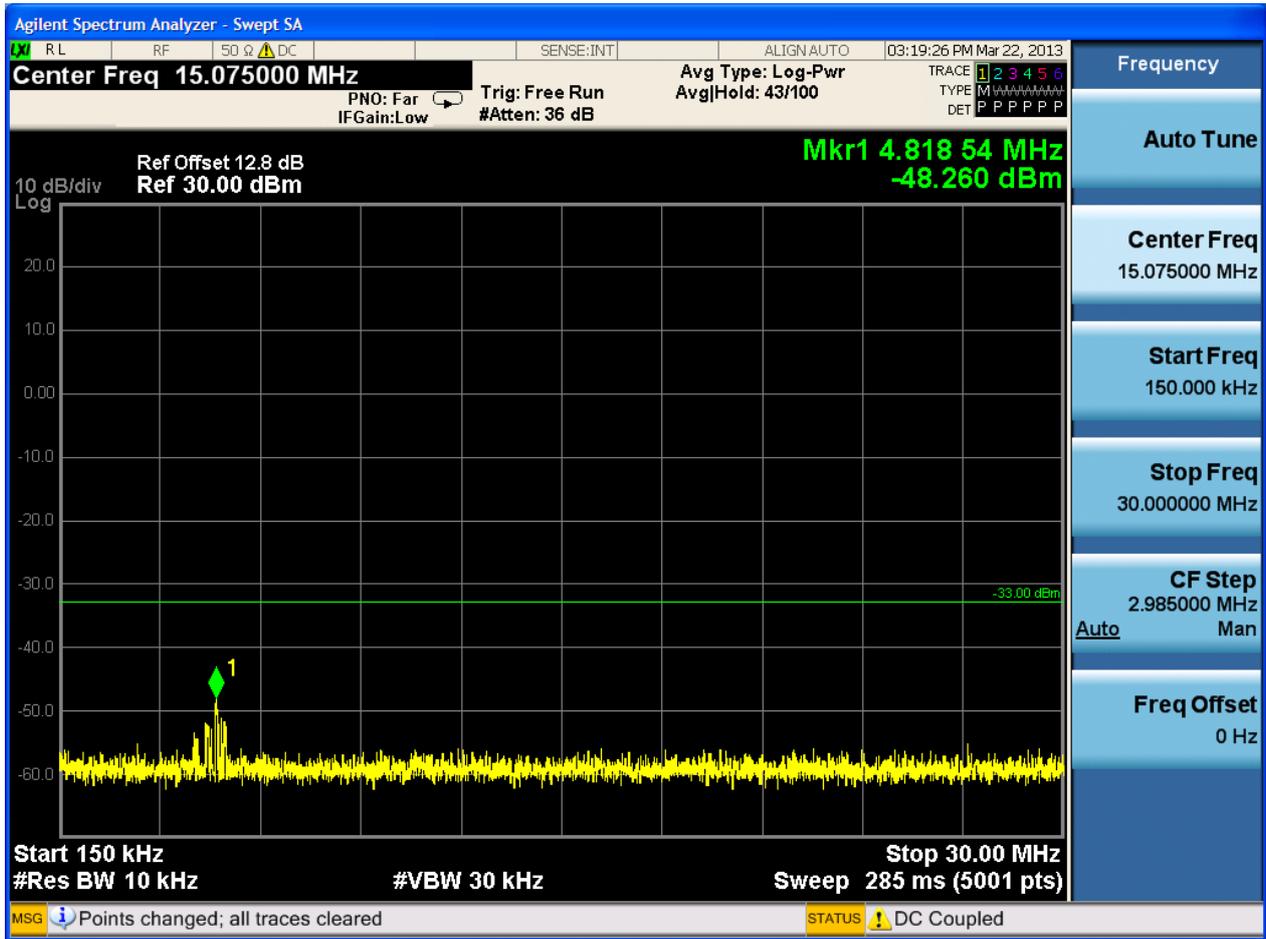


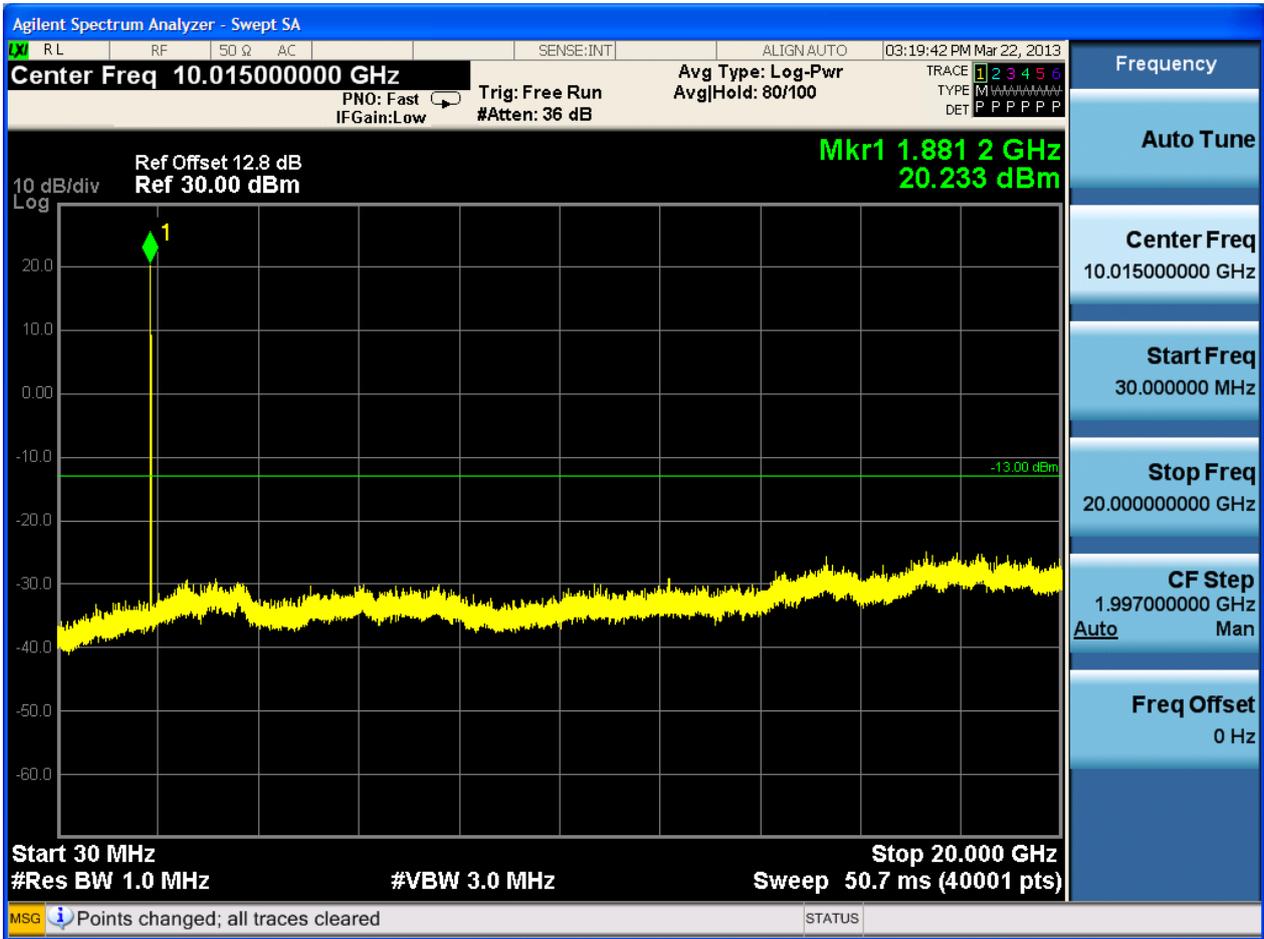


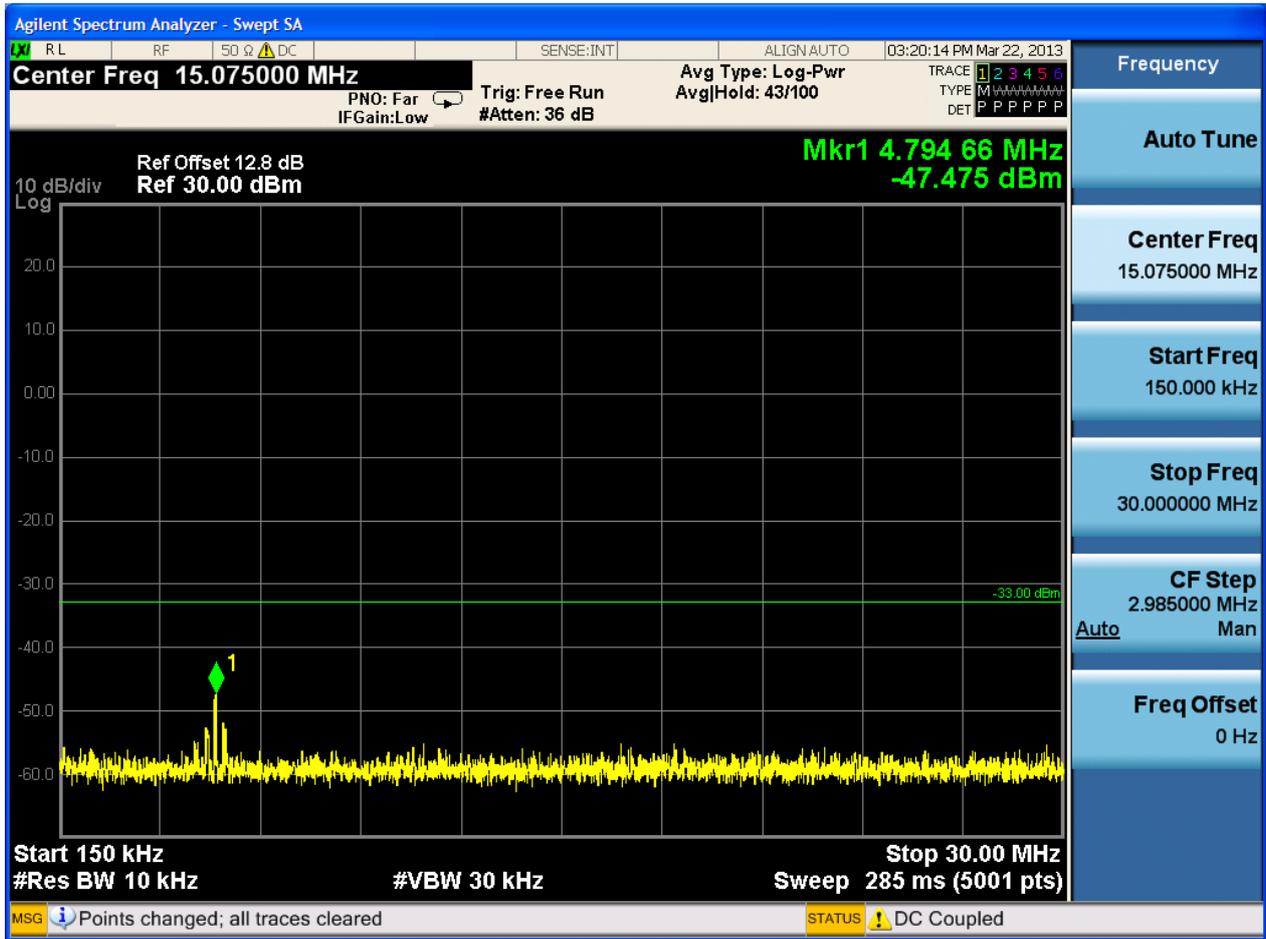


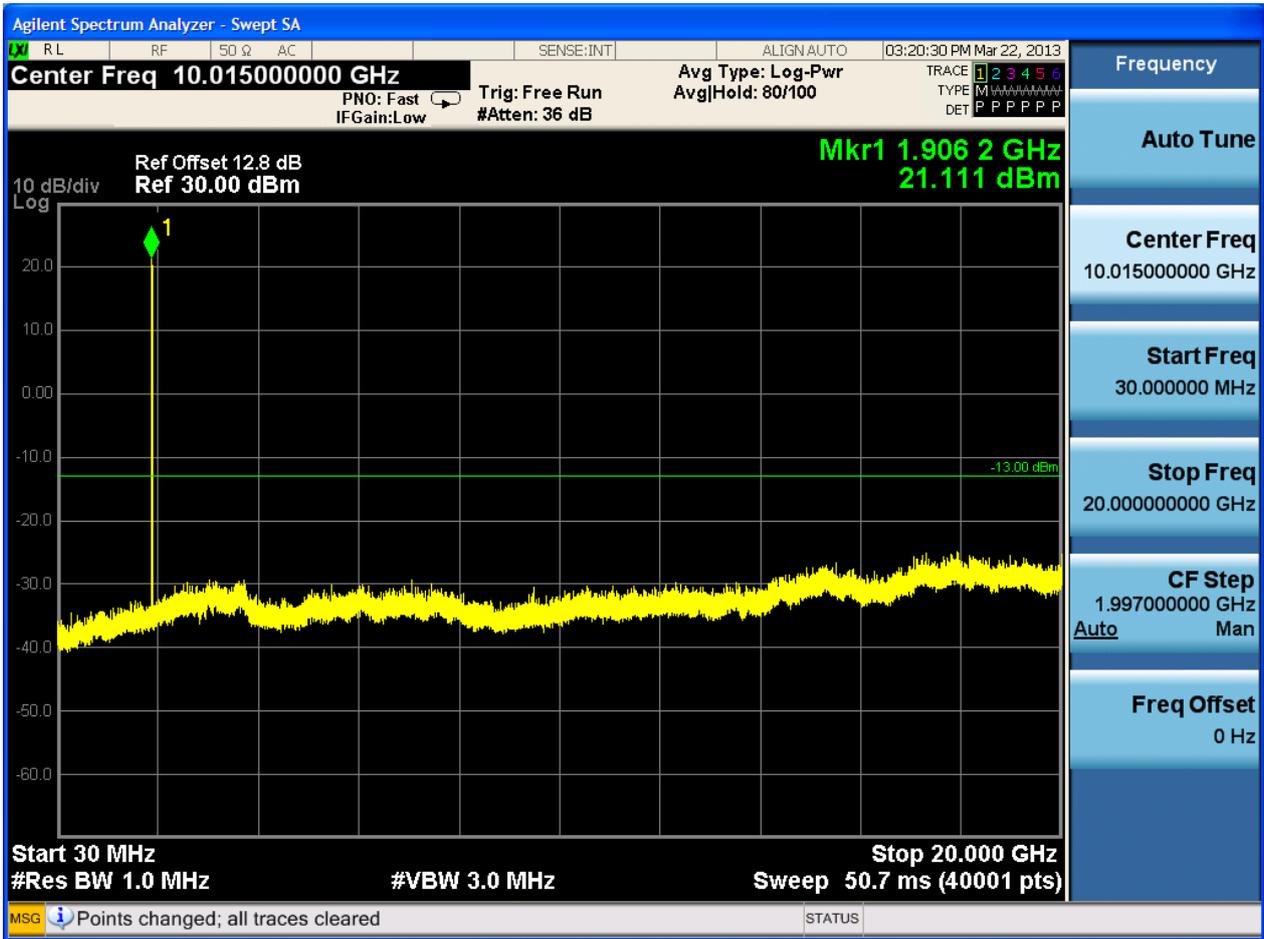
6.2.2.1.2 Test Channel = MCH











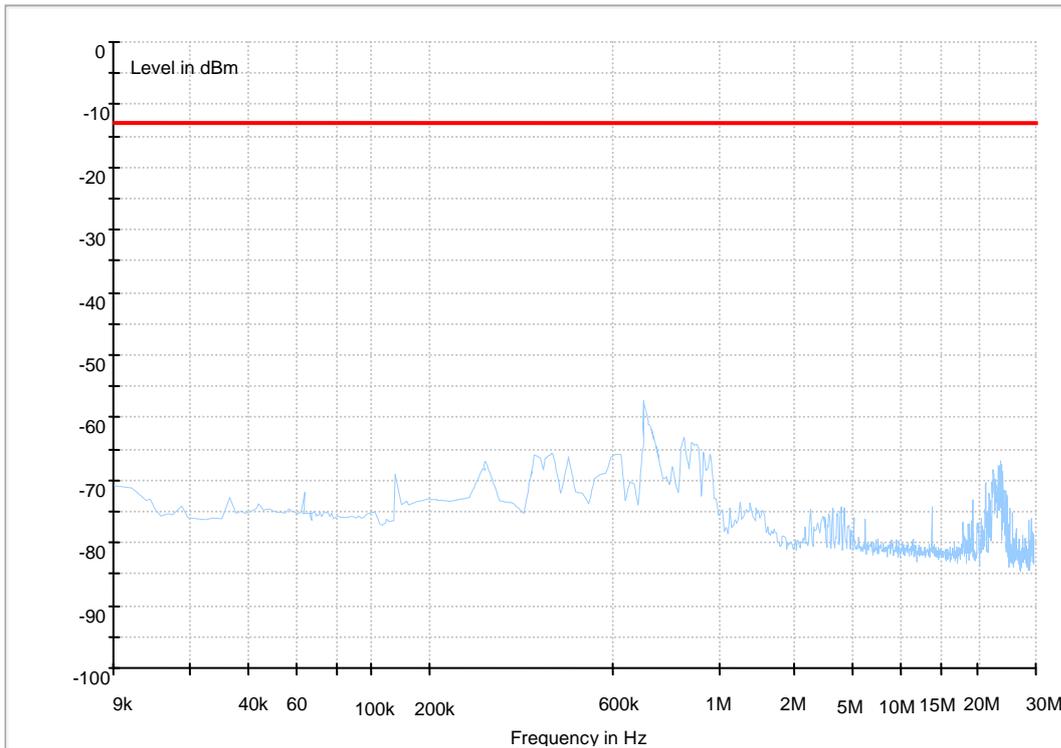
7Appendix_G: Field Strength of Spurious Radiation

7.1For GSM

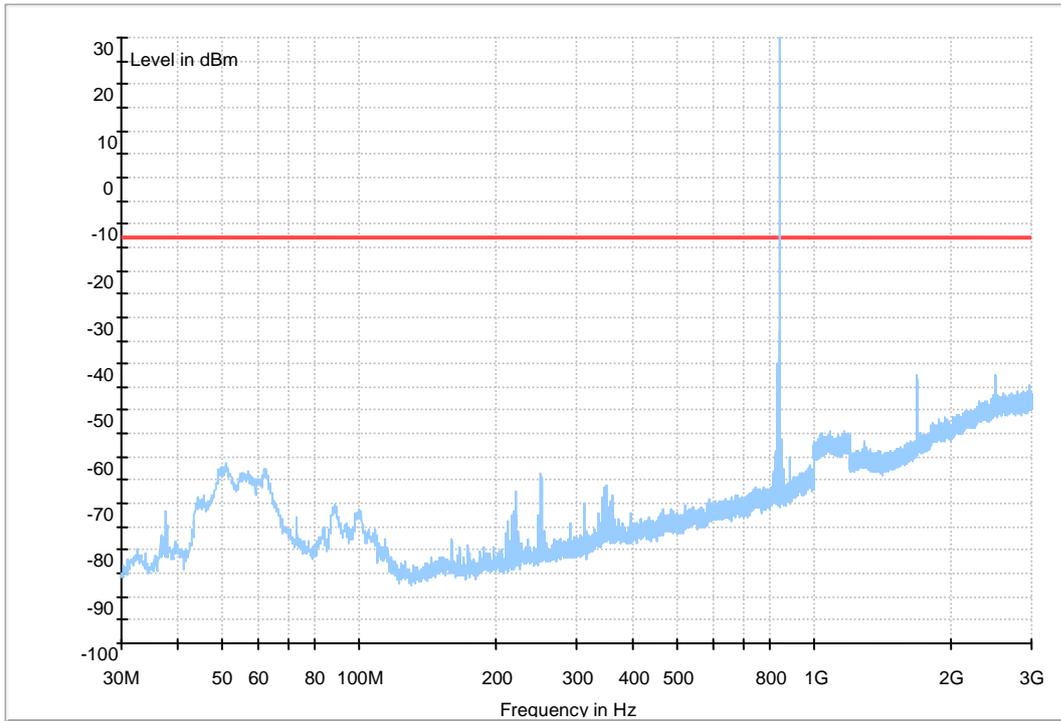
7.1.1Test Band=GSM850

7.1.1.1 Test Mode = GSM/TM1

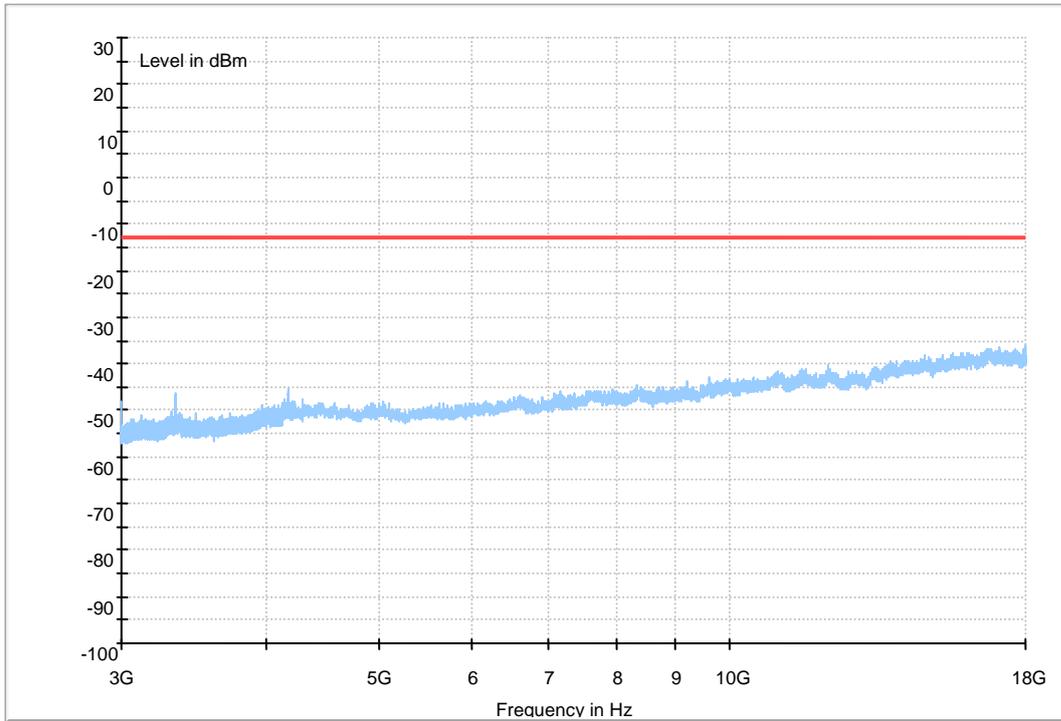
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

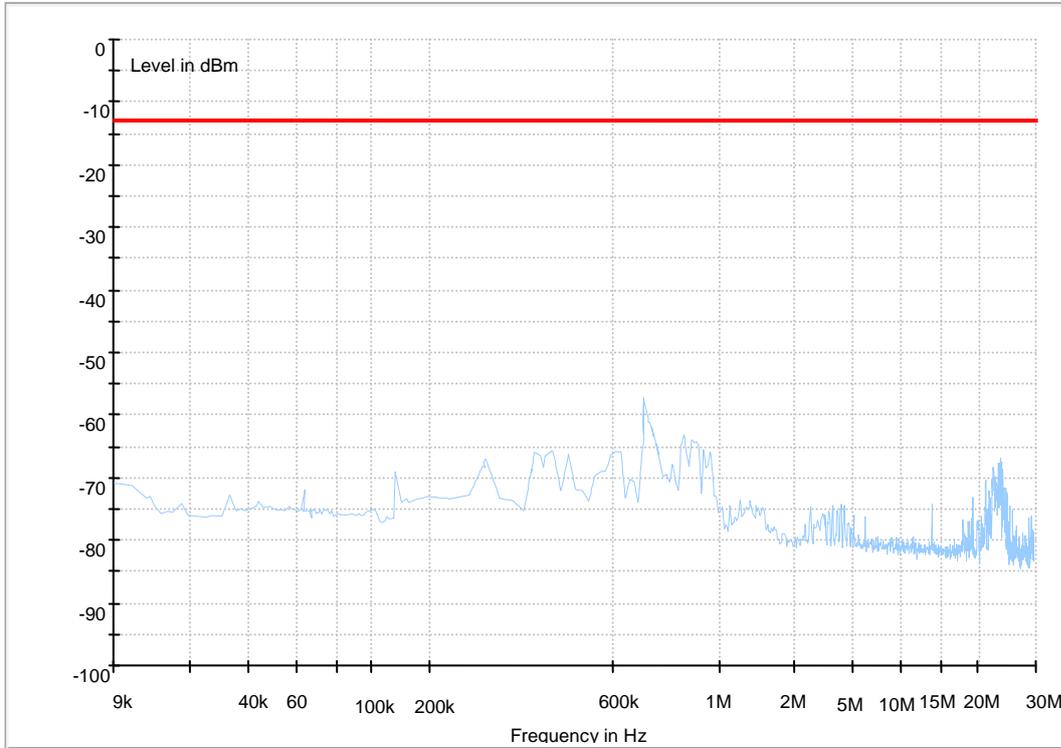


Traffic Mode (3GHz-18GHz)

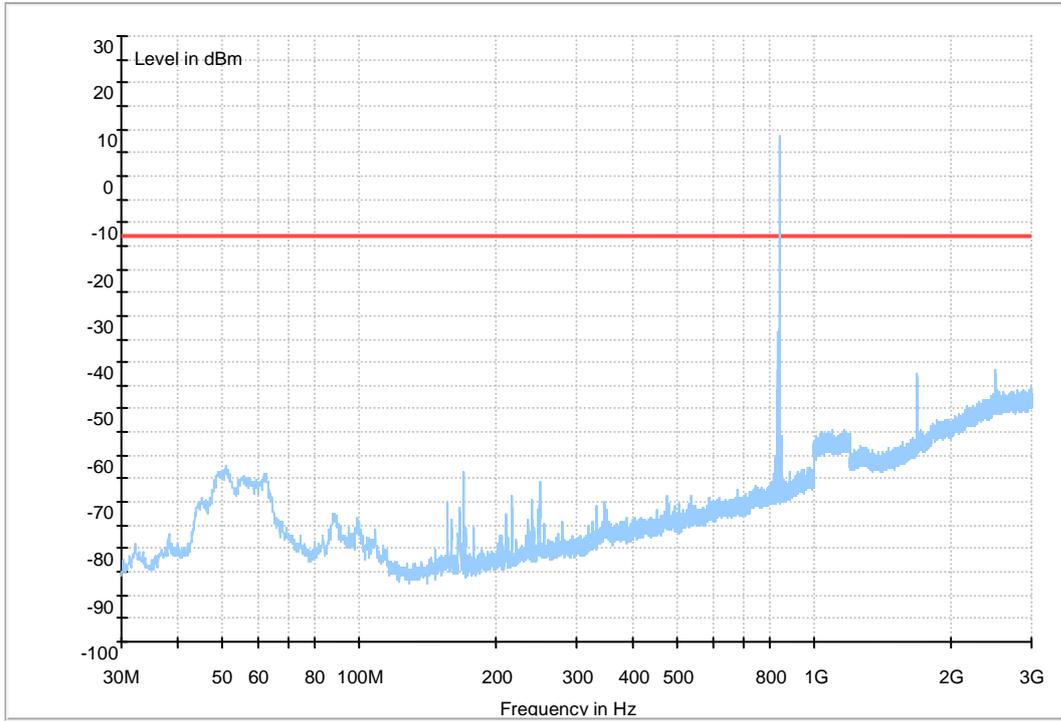


7.1.1.2 Test Mode = GSM/TM2

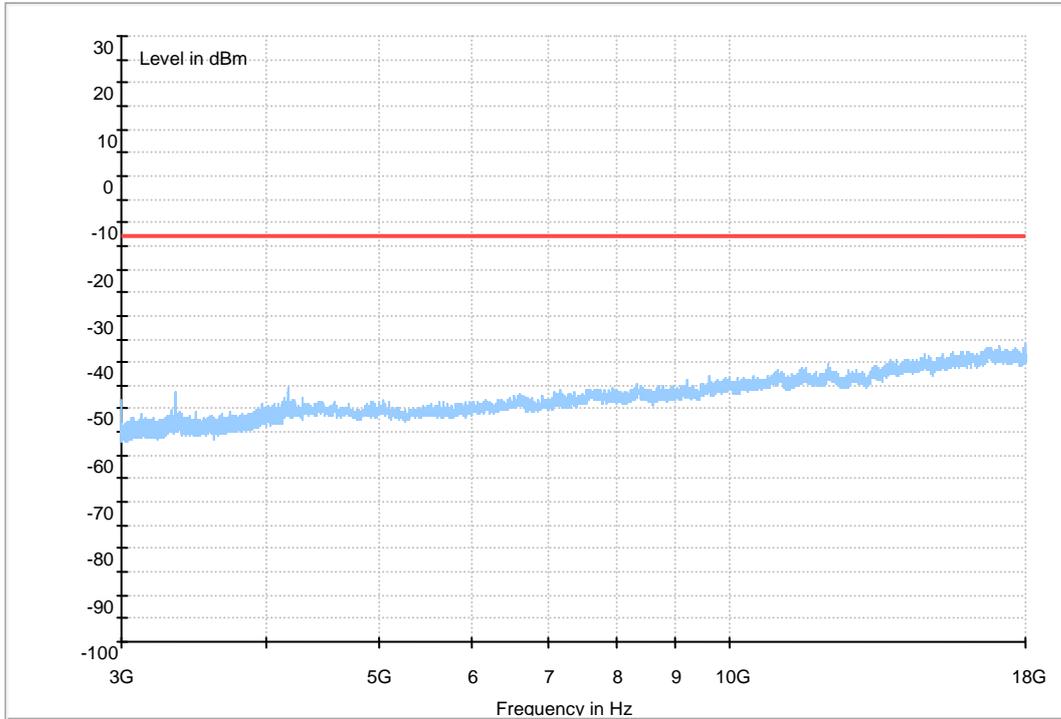
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



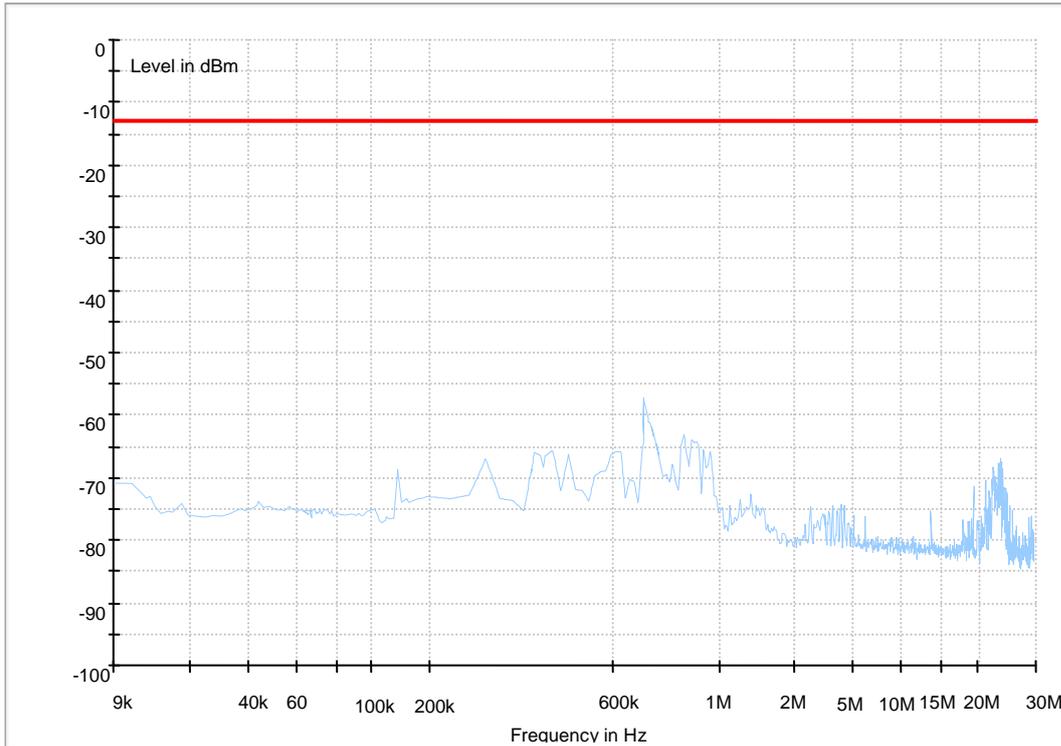
Traffic Mode (3GHz-18GHz)



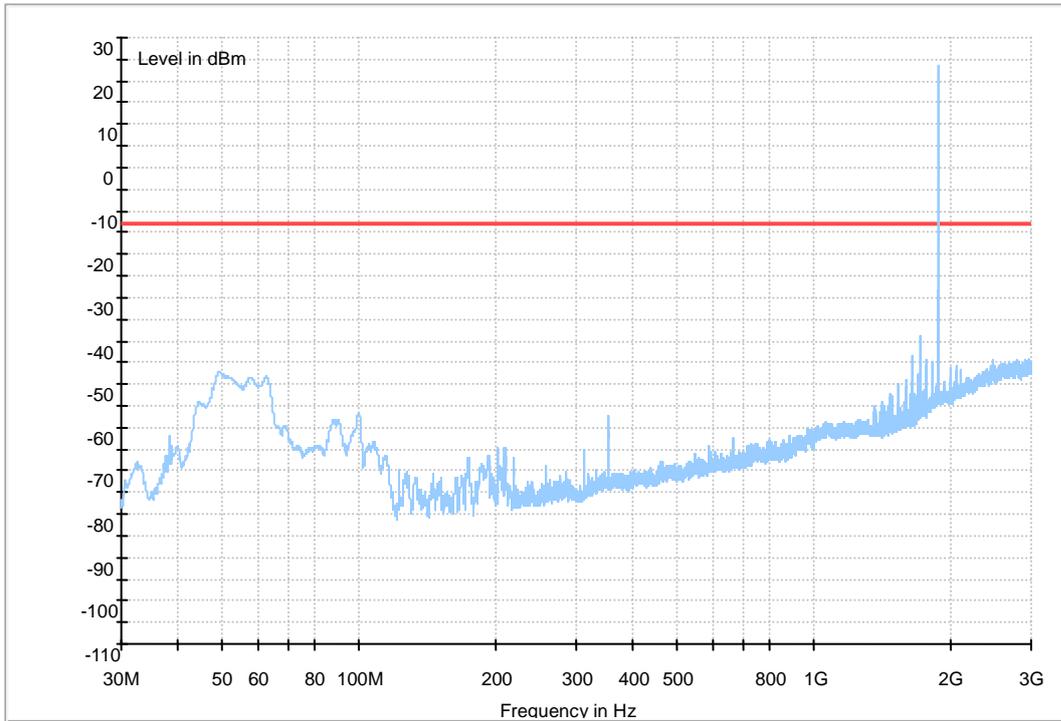
7.1.2 Test Band=GSM1900

7.1.2.1 Test Mode = GSM/TM1

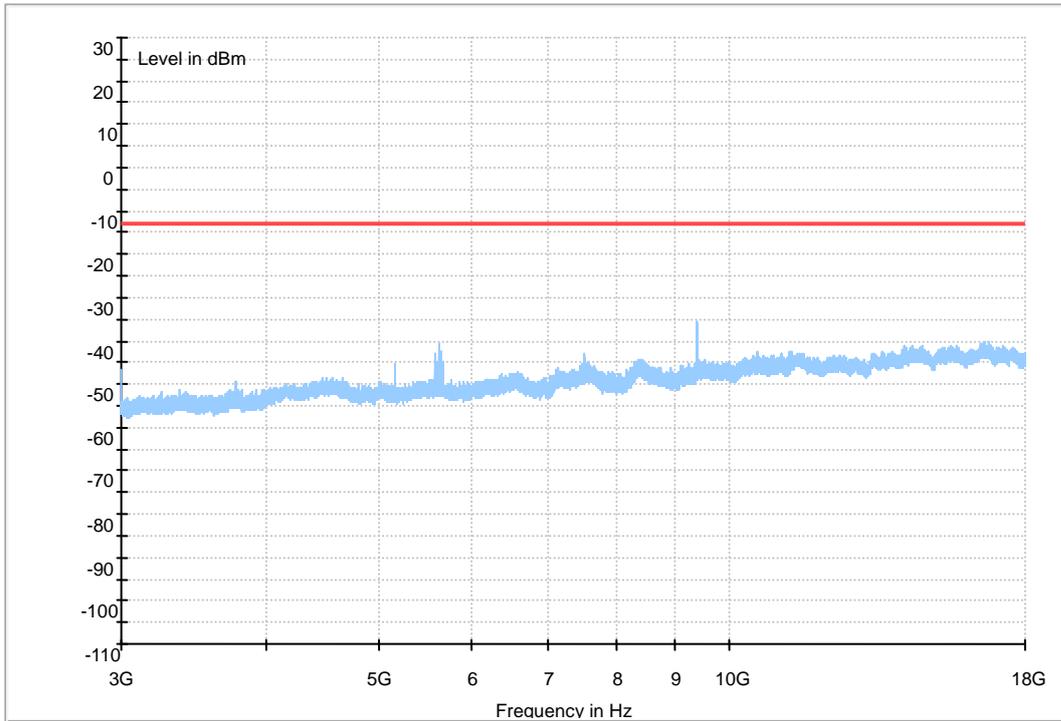
Traffic Mode (9kHz-30MHz)



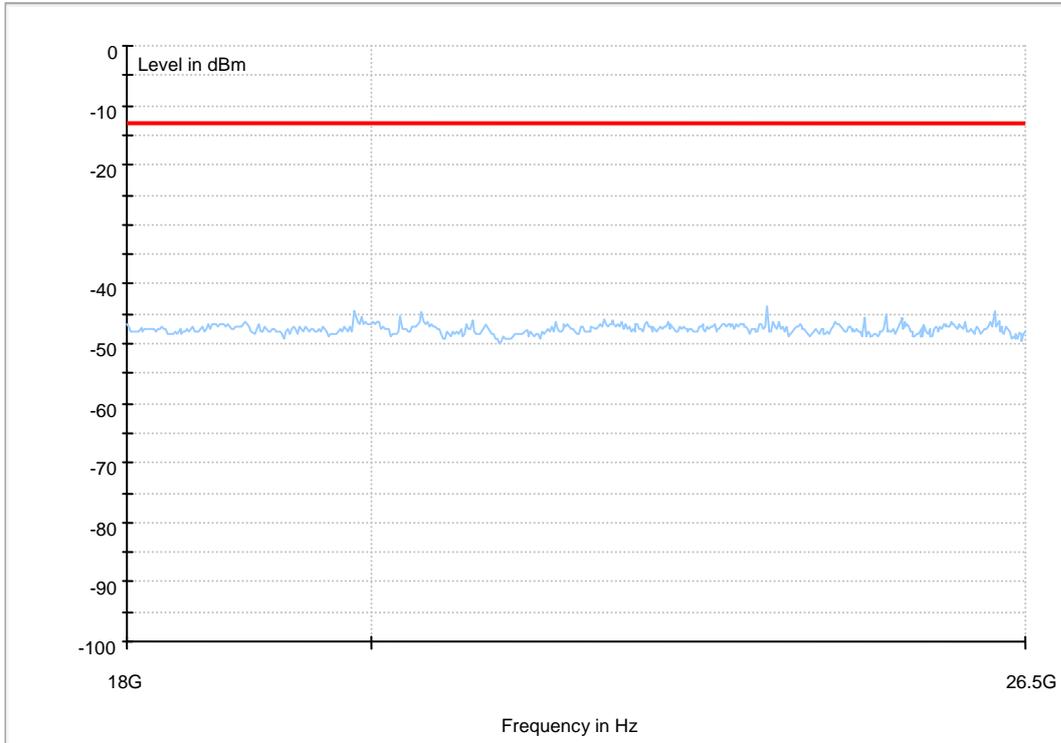
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

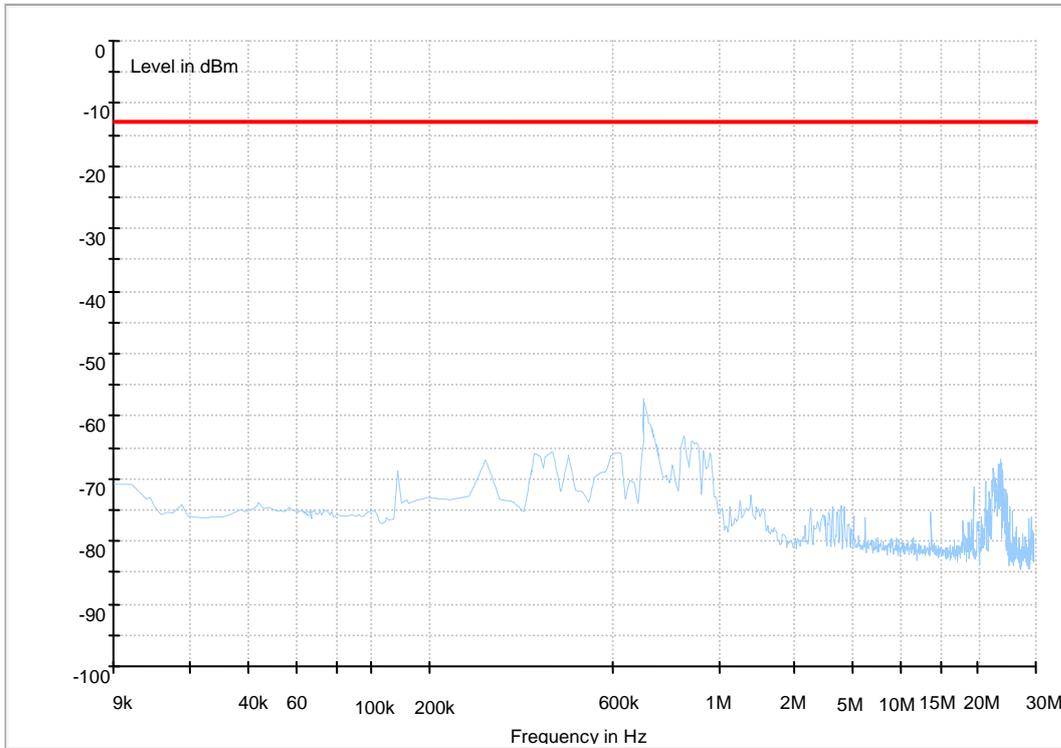


Traffic Mode (18GHz-26.5GHz)

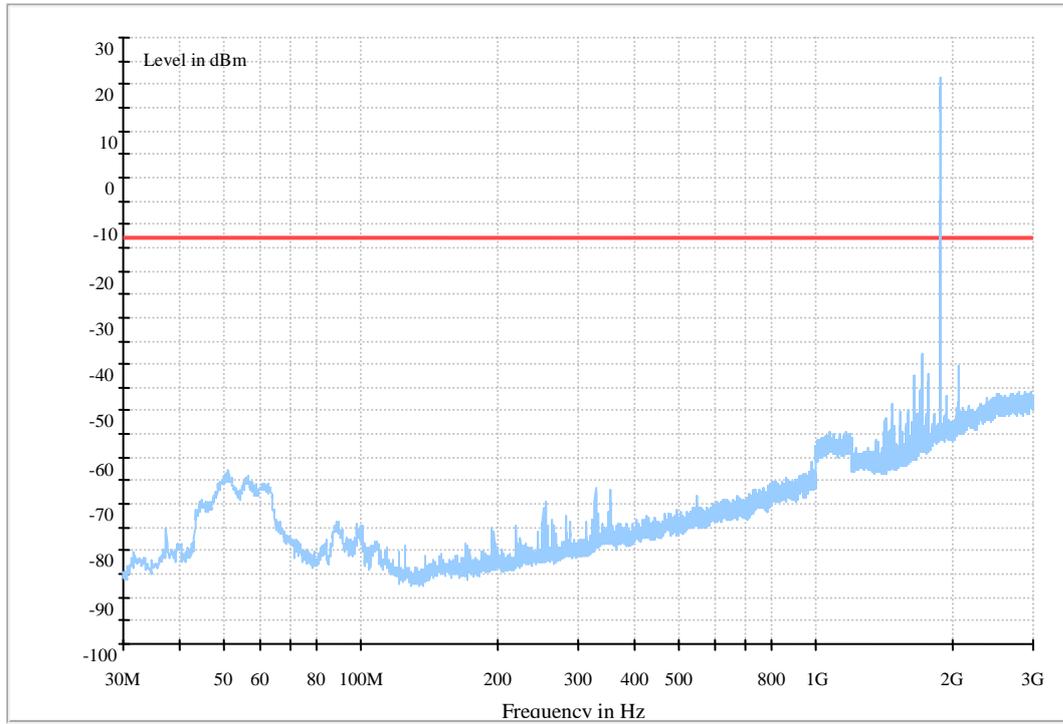


7.1.2.2 Test Mode = GSM/TM2

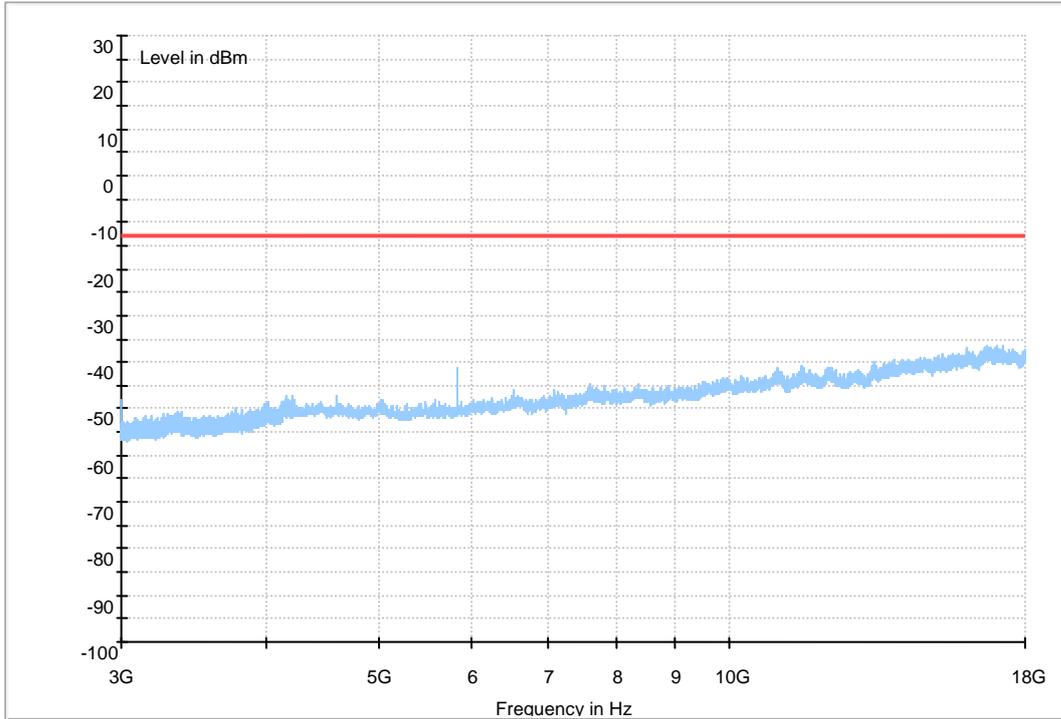
Traffic Mode (9kHz-30MHz)



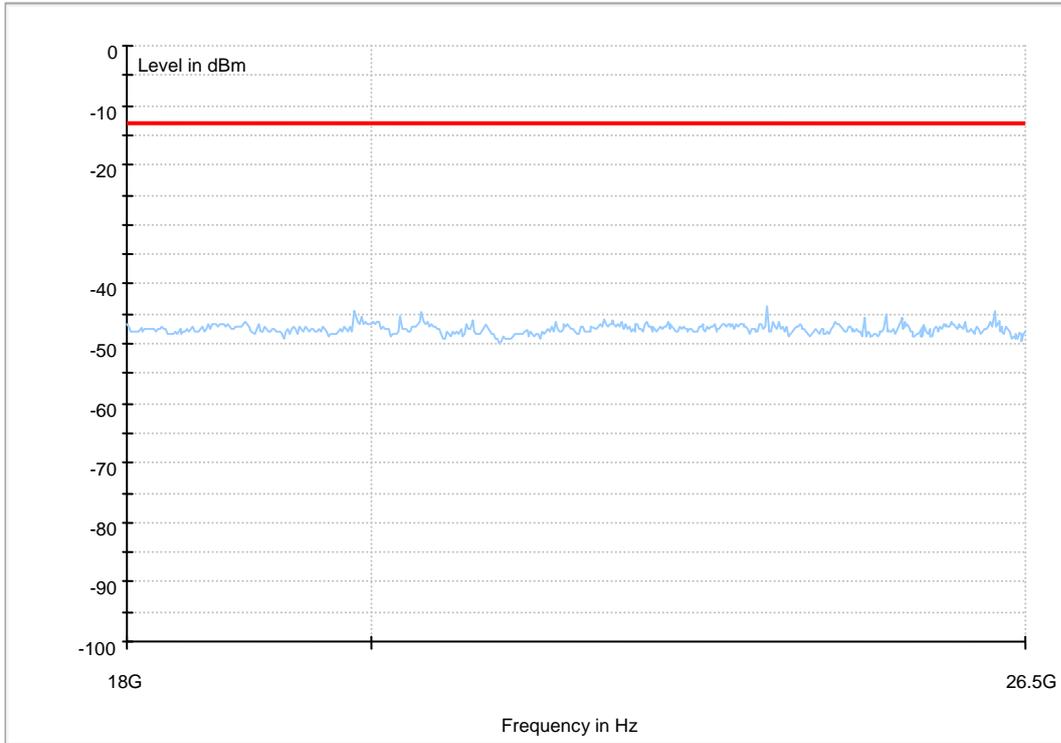
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)

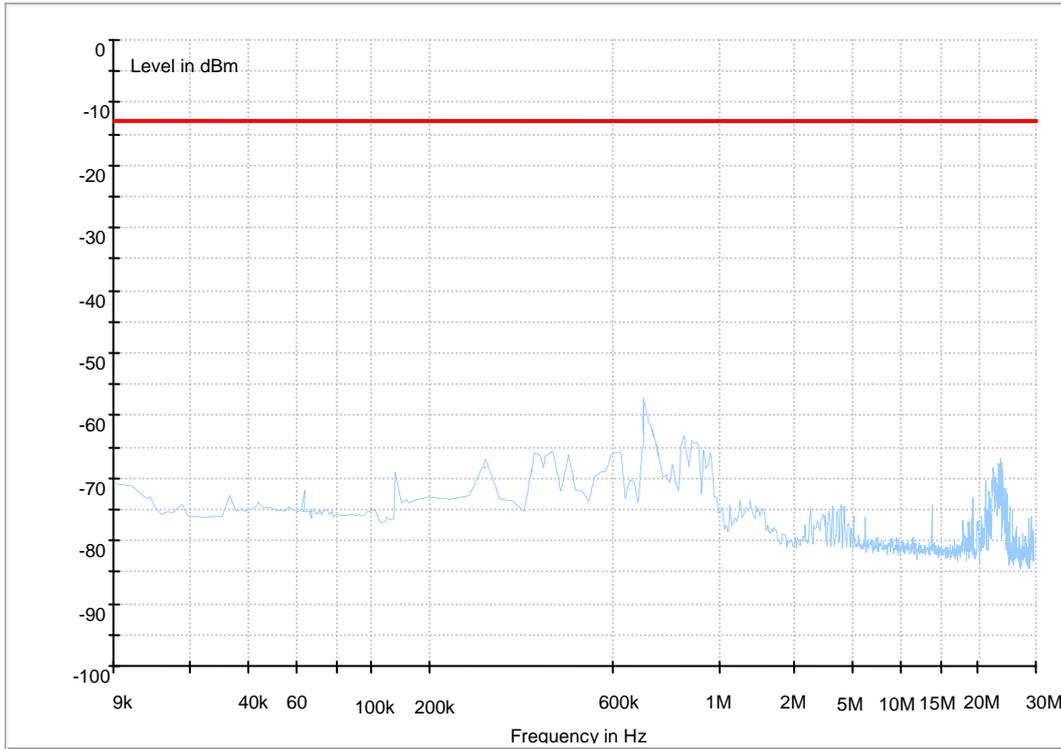


7.2 For UMTS

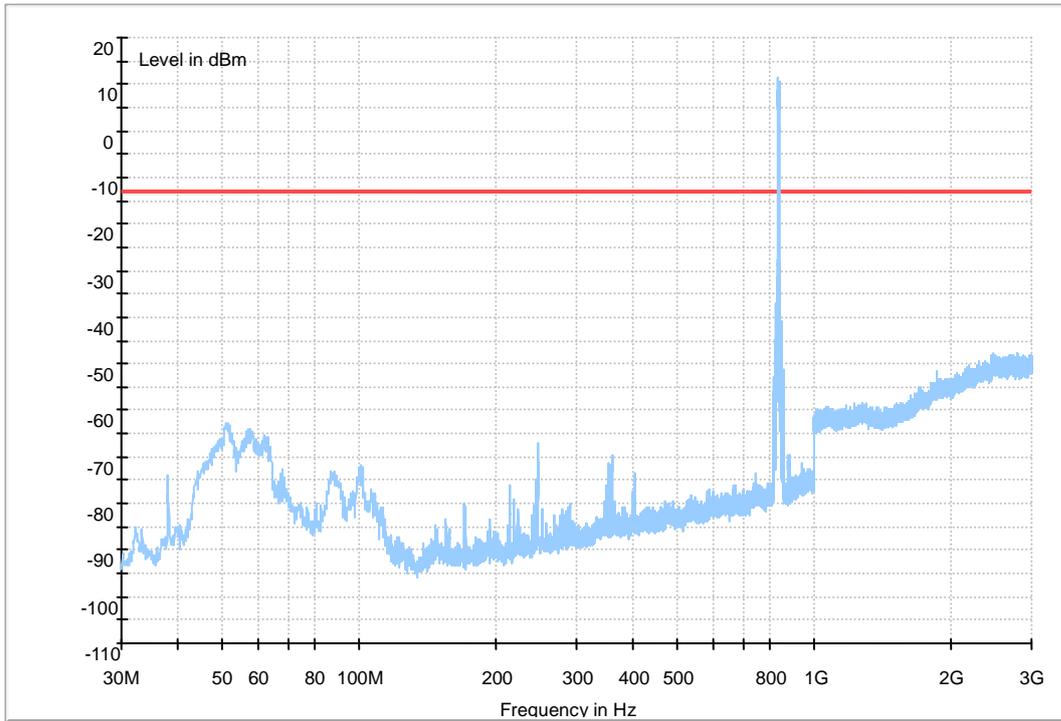
7.1.1 Test Band=WCDMA850

7.1.1.1 Test Mode = UMTS/TM1

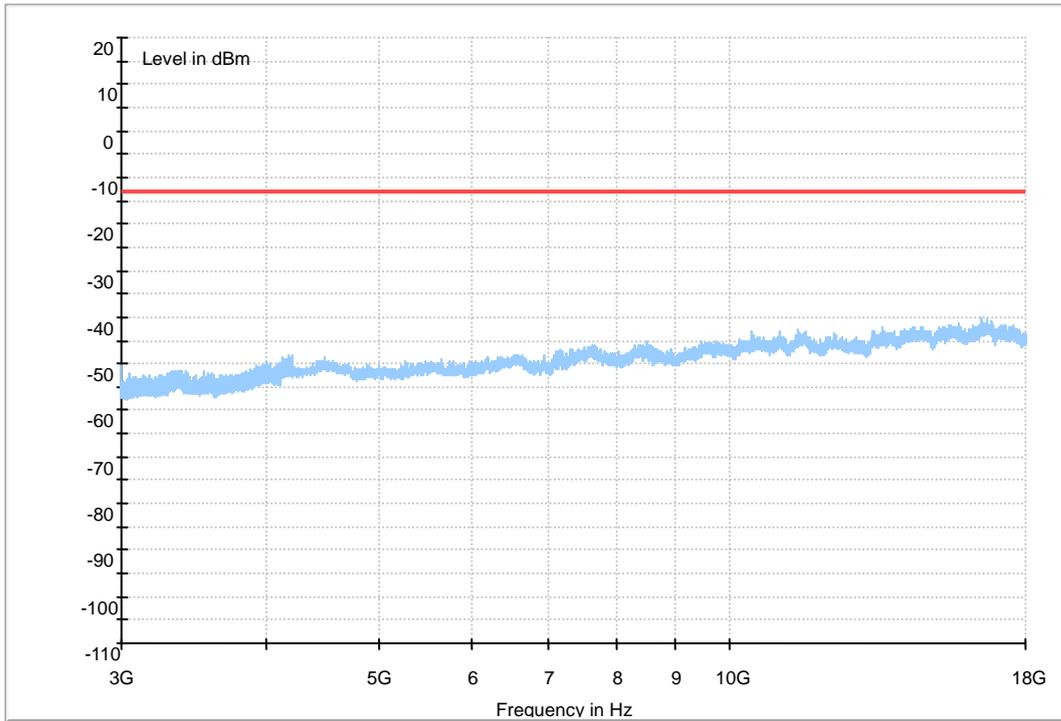
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



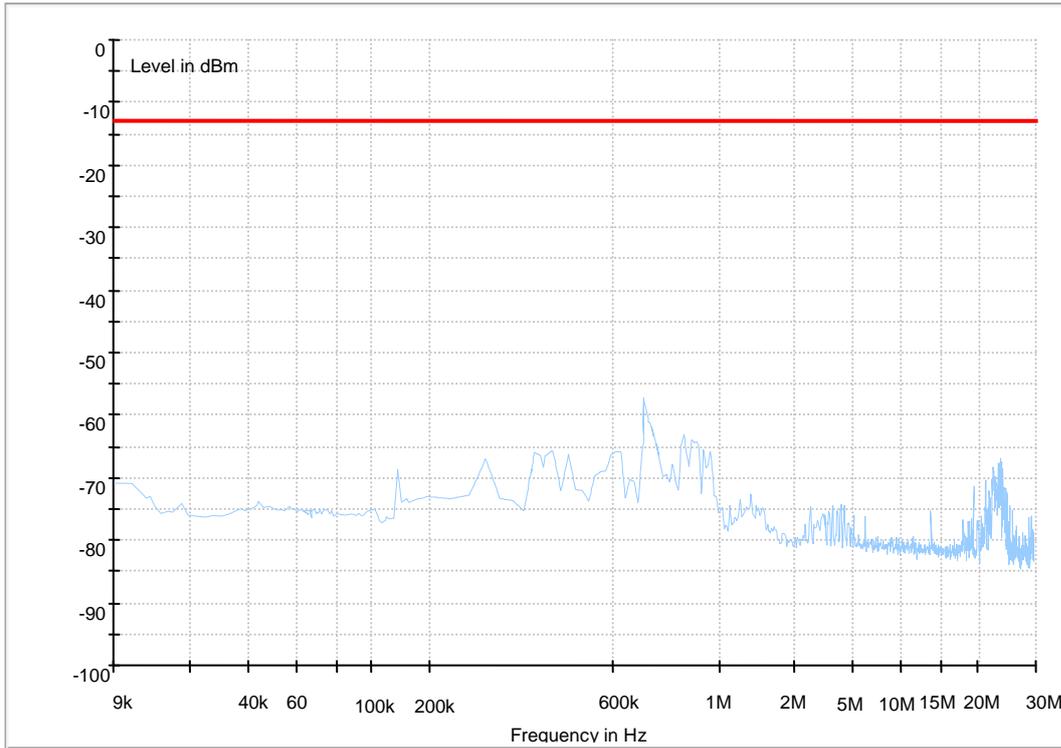
Traffic Mode (3GHz-18GHz)



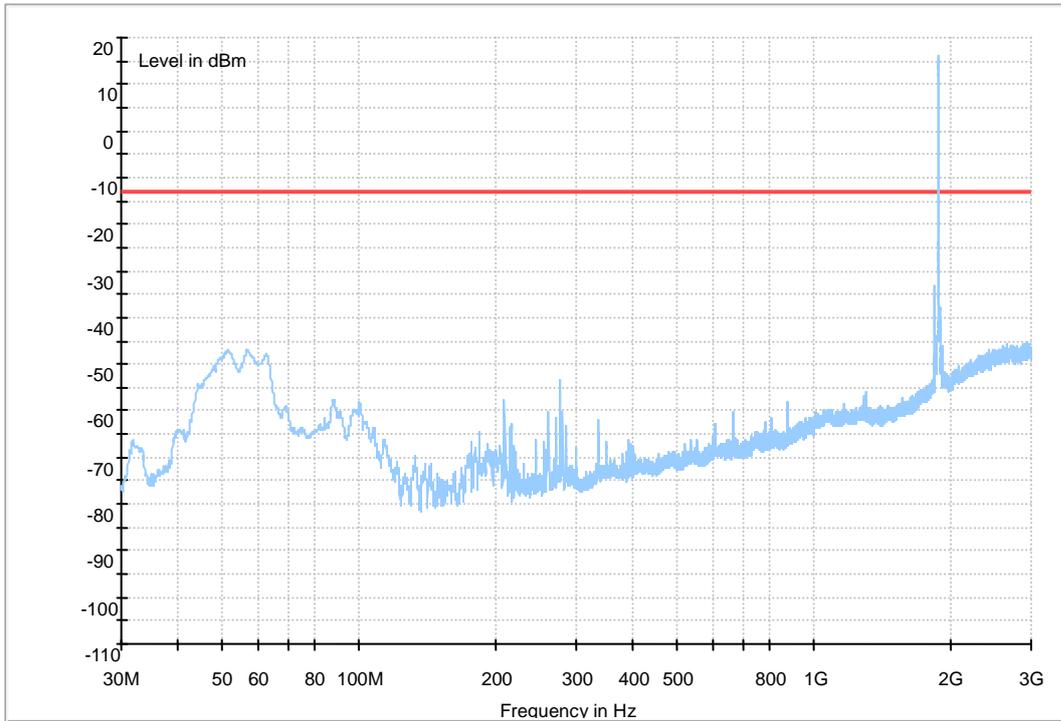
7.1.2 Test Band=WCDMA1900

7.1.2.1 Test Mode = UMTS/TM1

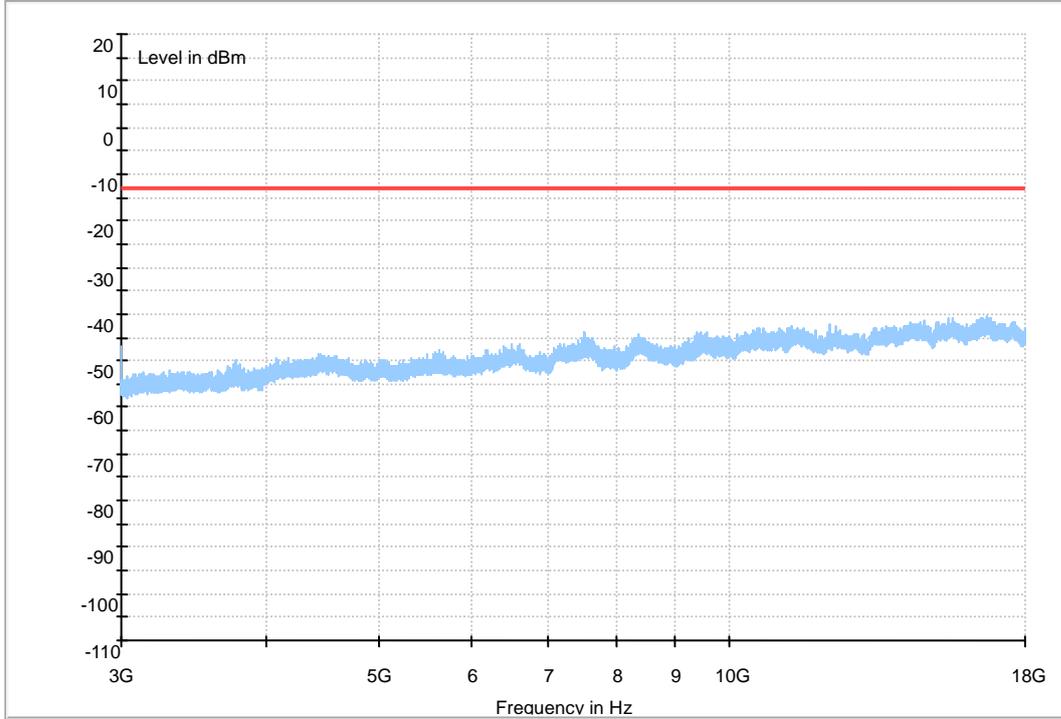
Traffic Mode (9kHz-30MHz)



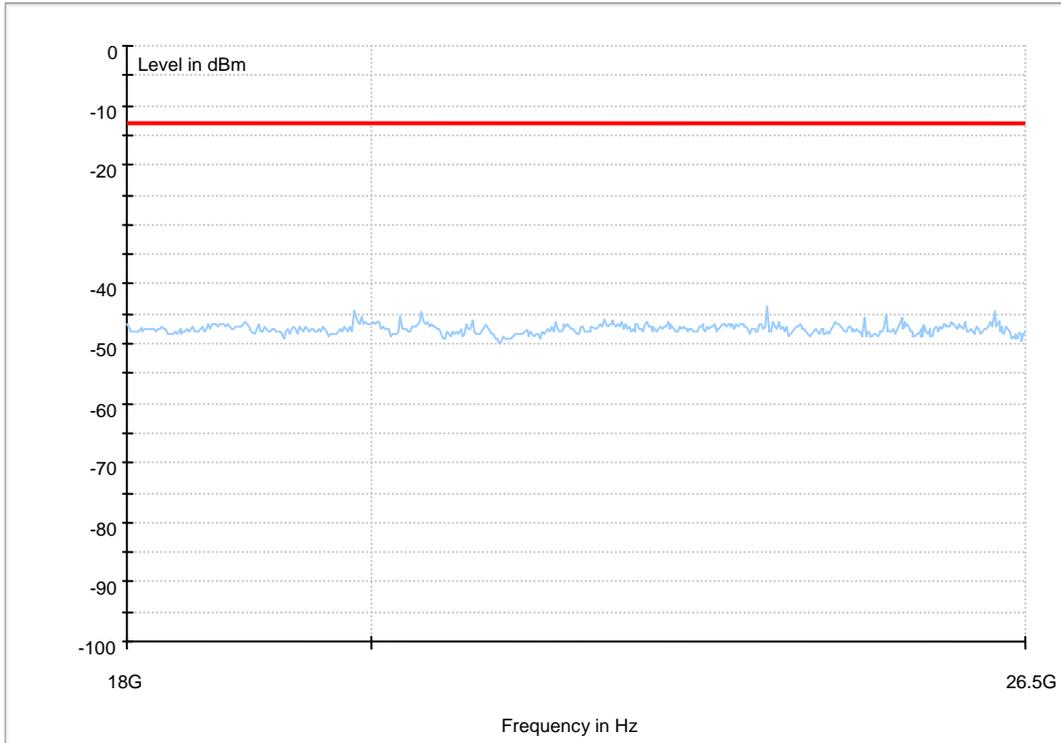
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)



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]	Limit [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-15.63	-0.01896	±2.5	PASS
				VN	-20.92	-0.02538	±2.5	PASS
				VH	-22.92	-0.02781	±2.5	PASS
		MCH	TN	VL	-8.20	-0.0098	±2.5	PASS
				VN	-13.24	-0.01583	±2.5	PASS
				VH	-20.40	-0.02438	±2.5	PASS
		HCH	TN	VL	-14.01	-0.01651	±2.5	PASS
				VN	-22.34	-0.02632	±2.5	PASS
				VH	-21.31	-0.02511	±2.5	PASS
	GSM/TM2	LCH	TN	VL	8.98	0.0109	±2.5	PASS
				VN	10.53	0.01278	±2.5	PASS
				VH	8.75	0.01062	±2.5	PASS
		MCH	TN	VL	19.95	0.02385	±2.5	PASS
				VN	15.72	0.01879	±2.5	PASS
				VH	11.75	0.01404	±2.5	PASS
		HCH	TN	VL	15.50	0.01826	±2.5	PASS
				VN	19.60	0.02309	±2.5	PASS
				VH	14.46	0.01704	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	34.35	0.01857	±2.5	PASS
				VN	38.16	0.02062	±2.5	PASS
				VH	22.41	0.01211	±2.5	PASS
		MCH	TN	VL	14.46	0.00769	±2.5	PASS
				VN	21.18	0.01127	±2.5	PASS
				VH	17.24	0.00917	±2.5	PASS
		HCH	TN	VL	11.82	0.00619	±2.5	PASS
				VN	12.40	0.00649	±2.5	PASS
				VH	12.27	0.00642	±2.5	PASS
	GSM/TM2	LCH	TN	VL	40.42	0.02185	±2.5	PASS
				VN	38.97	0.02106	±2.5	PASS
				VH	40.03	0.02164	±2.5	PASS
		MCH	TN	VL	37.48	0.01994	±2.5	PASS
				VN	31.58	0.0168	±2.5	PASS
				VH				

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				VH	30.83	0.0164	±2.5	PASS
		HCH	TN	VL	32.96	0.01726	±2.5	PASS
				VN	37.52	0.01965	±2.5	PASS
				VH	26.57	0.01391	±2.5	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]	Limit [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-26.41	-0.03204	±2.5	PASS
				-20	-30.74	-0.0373	±2.5	PASS
				-10	-30.41	-0.0369	±2.5	PASS
				0	-27.44	-0.03329	±2.5	PASS
				10	-30.61	-0.03714	±2.5	PASS
				20	-29.57	-0.03588	±2.5	PASS
				30	-23.83	-0.02891	±2.5	PASS
				40	-19.11	-0.02319	±2.5	PASS
		50	-14.33	-0.01739	±2.5	PASS		
		MCH	VN	-30	-6.26	-0.00748	±2.5	PASS
				-20	-7.62	-0.00911	±2.5	PASS
				-10	-10.01	-0.01197	±2.5	PASS
				0	-3.16	-0.00378	±2.5	PASS
				10	-5.81	-0.00694	±2.5	PASS
				20	-5.75	-0.00687	±2.5	PASS
				30	-7.30	-0.00873	±2.5	PASS
				40	-2.13	-0.00255	±2.5	PASS
		50	-7.43	-0.00888	±2.5	PASS		
		HCH	VN	-30	-10.07	-0.01186	±2.5	PASS
				-20	-12.72	-0.01499	±2.5	PASS
				-10	-16.98	-0.02	±2.5	PASS
				0	-15.24	-0.01795	±2.5	PASS
				10	-18.85	-0.02221	±2.5	PASS
				20	-17.05	-0.02009	±2.5	PASS
	30			-14.72	-0.01734	±2.5	PASS	
	40			-11.17	-0.01316	±2.5	PASS	
	50	-6.65	-0.00783	±2.5	PASS			
	GSM/TM2	LCH	VN	-30	17.31	0.021	±2.5	PASS
				-20	15.24	0.01849	±2.5	PASS
				-10	10.43	0.01265	±2.5	PASS
				0	9.72	0.01179	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict		
				10	7.46	0.00905	±2.5	PASS		
				20	4.29	0.00521	±2.5	PASS		
				30	5.55	0.00673	±2.5	PASS		
				40	7.81	0.00948	±2.5	PASS		
				50	3.36	0.00408	±2.5	PASS		
		MCH	VN	-30	12.88	0.0154	±2.5	PASS		
				-20	8.23	0.00984	±2.5	PASS		
				-10	11.24	0.01344	±2.5	PASS		
				0	14.37	0.01718	±2.5	PASS		
				10	11.14	0.01332	±2.5	PASS		
				20	11.17	0.01335	±2.5	PASS		
				30	11.78	0.01408	±2.5	PASS		
				40	13.53	0.01617	±2.5	PASS		
				50	14.24	0.01702	±2.5	PASS		
		HCH	VN	-30	15.37	0.01811	±2.5	PASS		
				-20	14.92	0.01758	±2.5	PASS		
				-10	12.79	0.01507	±2.5	PASS		
				0	15.82	0.01864	±2.5	PASS		
				10	15.63	0.01841	±2.5	PASS		
				20	14.27	0.01681	±2.5	PASS		
				30	14.59	0.01719	±2.5	PASS		
				40	14.59	0.01719	±2.5	PASS		
				50	13.75	0.0162	±2.5	PASS		
		GSM1900	GSM/TM1	LCH	VN	-30	17.31	0.00936	±2.5	PASS
						-20	20.47	0.01106	±2.5	PASS
						-10	14.66	0.00792	±2.5	PASS
						0	22.02	0.0119	±2.5	PASS
10	19.44					0.01051	±2.5	PASS		
20	11.11					0.006	±2.5	PASS		
30	9.10					0.00492	±2.5	PASS		
40	15.37					0.00831	±2.5	PASS		
50	11.17					0.00604	±2.5	PASS		
MCH	VN			-30	-7.04	-0.00374	±2.5	PASS		
				-20	2.84	0.00151	±2.5	PASS		
				-10	8.85	0.00471	±2.5	PASS		
				0	-2.07	-0.0011	±2.5	PASS		
				10	0.26	0.00014	±2.5	PASS		
				20	2.91	0.00155	±2.5	PASS		
				30	-4.97	-0.00264	±2.5	PASS		
				40	-6.52	-0.00347	±2.5	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
		HCH	VN	50	5.42	0.00288	±2.5	PASS
				-30	-9.56	-0.00501	±2.5	PASS
				-20	5.23	0.00274	±2.5	PASS
				-10	5.17	0.00271	±2.5	PASS
				0	-0.84	-0.00044	±2.5	PASS
				10	-2.71	-0.00142	±2.5	PASS
				20	9.23	0.00483	±2.5	PASS
				30	2.78	0.00146	±2.5	PASS
				40	11.11	0.00582	±2.5	PASS
				50	-1.68	-0.00088	±2.5	PASS
	GSM/TM2	LCH	VN	-30	34.58	0.01869	±2.5	PASS
				-20	49.33	0.02666	±2.5	PASS
				-10	44.81	0.02422	±2.5	PASS
				0	38.97	0.02106	±2.5	PASS
				10	42.81	0.02314	±2.5	PASS
				20	35.71	0.0193	±2.5	PASS
				30	35.06	0.01895	±2.5	PASS
				40	42.91	0.02319	±2.5	PASS
				50	33.58	0.01815	±2.5	PASS
				MCH	VN	-30	32.48	0.01728
		-20	19.53			0.01039	±2.5	PASS
		-10	30.99			0.01648	±2.5	PASS
		0	31.09			0.01654	±2.5	PASS
		10	32.25			0.01715	±2.5	PASS
		20	30.32			0.01613	±2.5	PASS
		30	24.63			0.0131	±2.5	PASS
		40	36.42			0.01937	±2.5	PASS
		50	42.13			0.02241	±2.5	PASS
		HCH	VN			-30	31.80	0.01665
				-20	37.68	0.01973	±2.5	PASS
				-10	30.64	0.01604	±2.5	PASS
				0	30.83	0.01614	±2.5	PASS
				10	38.26	0.02003	±2.5	PASS
				20	25.47	0.01334	±2.5	PASS
				30	41.78	0.02188	±2.5	PASS
				40	38.10	0.01995	±2.5	PASS
				50	38.29	0.02005	±2.5	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]	Limit [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	2.37	0.00287	±2.5	PASS
				VN	3.81	0.00461	±2.5	PASS
				VH	-0.93	-0.00113	±2.5	PASS
		MCH	TN	VL	2.18	0.00261	±2.5	PASS
				VN	-1.17	-0.0014	±2.5	PASS
				VH	-1.95	-0.00233	±2.5	PASS
		HCH	TN	VL	-14.92	-0.01763	±2.5	PASS
				VN	-1.66	-0.00196	±2.5	PASS
				VH	-3.91	-0.00462	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	8.07	0.00436	±2.5	PASS
				VN	-10.10	-0.00545	±2.5	PASS
				VH	-5.98	-0.00323	±2.5	PASS
		MCH	TN	VL	-17.82	-0.00948	±2.5	PASS
				VN	-13.87	-0.00738	±2.5	PASS
				VH	-10.39	-0.00553	±2.5	PASS
		HCH	TN	VL	5.02	0.00263	±2.5	PASS
				VN	-9.08	-0.00476	±2.5	PASS
				VH	-16.17	-0.00848	±2.5	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]	Limit [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	-2.37	-0.00287	±2.5	PASS
				-20	-1.50	-0.00181	±2.5	PASS
				-10	-1.50	-0.00181	±2.5	PASS
				0	0.63	0.00076	±2.5	PASS
				10	0.38	0.00046	±2.5	PASS
				20	4.00	0.00484	±2.5	PASS
				30	5.86	0.00709	±2.5	PASS
				40	-2.96	-0.00358	±2.5	PASS
				50	-0.47	-0.00057	±2.5	PASS
		MCH	VN	-30	-0.99	-0.00118	±2.5	PASS
				-20	-0.98	-0.00117	±2.5	PASS
				-10	-7.49	-0.00896	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict				
				0	-4.26	-0.00509	±2.5	PASS				
				10	9.29	0.01111	±2.5	PASS				
				20	-1.40	-0.00167	±2.5	PASS				
				30	9.77	0.01168	±2.5	PASS				
				40	-9.58	-0.01145	±2.5	PASS				
				50	-9.31	-0.01113	±2.5	PASS				
		HCH	VN	-30	-5.60	-0.00662	±2.5	PASS				
				-20	4.87	0.00575	±2.5	PASS				
				-10	0.89	0.00105	±2.5	PASS				
				0	-4.46	-0.00527	±2.5	PASS				
				10	-6.62	-0.00782	±2.5	PASS				
				20	-3.91	-0.00462	±2.5	PASS				
				30	-11.93	-0.01409	±2.5	PASS				
				40	-1.40	-0.00165	±2.5	PASS				
				50	-20.13	-0.02378	±2.5	PASS				
				WCDMA1900	UMTS/TM1	LCH	VN	-30	12.77	0.00689	±2.5	PASS
								-20	6.99	0.00377	±2.5	PASS
-10	-11.81	-0.00637	±2.5					PASS				
0	-7.22	-0.0039	±2.5					PASS				
10	9.77	0.00527	±2.5					PASS				
20	19.10	0.01031	±2.5					PASS				
30	-19.04	-0.01028	±2.5					PASS				
40	0.73	0.00039	±2.5					PASS				
50	1.24	0.00067	±2.5					PASS				
MCH	VN	-30	-32.15			-0.0171	±2.5	PASS				
		-20	-59.28			-0.03153	±2.5	PASS				
		-10	2.32			0.00123	±2.5	PASS				
		0	-7.11			-0.00378	±2.5	PASS				
		10	-26.93			-0.01432	±2.5	PASS				
		20	-36.27			-0.01929	±2.5	PASS				
		30	-15.73			-0.00837	±2.5	PASS				
		40	-9.14			-0.00486	±2.5	PASS				
		50	-12.36			-0.00657	±2.5	PASS				
HCH	VN	-30	-5.78			-0.00303	±2.5	PASS				
		-20	-10.36			-0.00543	±2.5	PASS				
		-10	-11.11			-0.00582	±2.5	PASS				
		0	-9.60			-0.00503	±2.5	PASS				
		10	-9.51			-0.00499	±2.5	PASS				
		20	-26.49			-0.01389	±2.5	PASS				



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				30	-16.33	-0.00856	±2.5	PASS
				40	-26.40	-0.01384	±2.5	PASS
				50	0.75	0.00039	±2.5	PASS

END