

TEST REPORT

Product : HANDHELD VITALSIGNS MONITORING
SYSTEM
Trade mark : **bewell**
connect
Model/Type reference : BW-X07HD
Serial Number : N/A
Report Number : EED32I00251304
FCC ID : 2AF8T-BW-X07HD
Date of Issue : Jun. 14, 2017
Test Standards : 47 CFR Part 2(2015)
47 CFR Part 24 subpart E(2015)
Test result : PASS

Prepared for:

BEWELL CONNECT CORP
SUITE 410, 185 ALEWIFE BROOK PARKWAY
CAMBRIDGE, Massachusetts, United States

Prepared by:

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Jun. 14, 2017

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Check No.: 2392125448

2 Version

Version No.	Date	Description
00	Jun. 14, 2017	Original

3 Test Summary

WCDMA(Band II)			
Test Item	Test Requirement	Test method	Result
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-D-2010&KDB 971168 D01v02r02	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v02r02	PASS
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS

Remark:The tested samples and the sample information are provided by the client.

4 Content

1 COVER PAGE	1
2 VERSION	2
3 TEST SUMMARY	3
4 CONTENT	4
5 TEST REQUIREMENT	5
5.1 TEST SETUP	5
5.1.1 For Radiated Emissions test setup	5
5.2 TEST ENVIRONMENT	5
5.3 TEST CONDITION	6
6 GENERAL INFORMATION	7
6.1 CLIENT INFORMATION	7
6.2 GENERAL DESCRIPTION OF EUT	7
6.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD	8
6.4 DESCRIPTION OF SUPPORT UNITS	8
6.5 TEST LOCATION	8
6.6 TEST FACILITY	8
6.7 DEVIATION FROM STANDARDS	8
6.8 ABNORMALITIES FROM STANDARD CONDITIONS	8
6.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER	8
6.10 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	8
7 EQUIPMENT LIST	9
8 RADIO TECHNICAL REQUIREMENTS SPECIFICATION	11
Appendix A) RF Power Output	12
Appendix B) Peak-to-Average Ratio	14
Appendix C) BandWidth	20
Appendix D) Band Edges Compliance	26
Appendix E) Spurious Emission at Antenna Terminal	29
Appendix F) Frequency Stability	56
Appendix G): Effective Radiated Power of Transmitter (ERP/EIRP)	61
Appendix H): Field strength of spurious radiation	63
PHOTOGRAPHS OF TEST SETUP	69
PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	70

5 Test Requirement

5.1 Test setup

5.1.1 For Radiated Emissions test setup

Radiated Emissions setup:

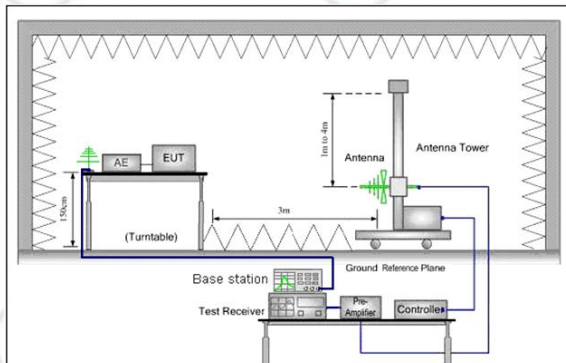


Figure 1.30MHz to 1GHz

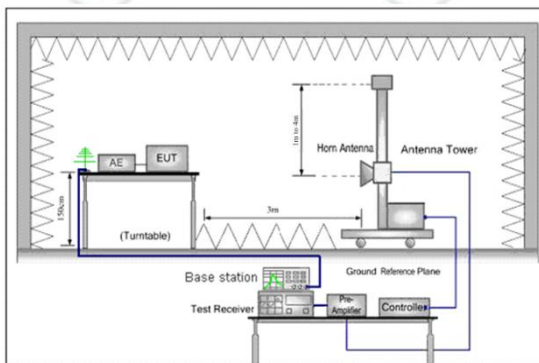


Figure 2. above 1GHz

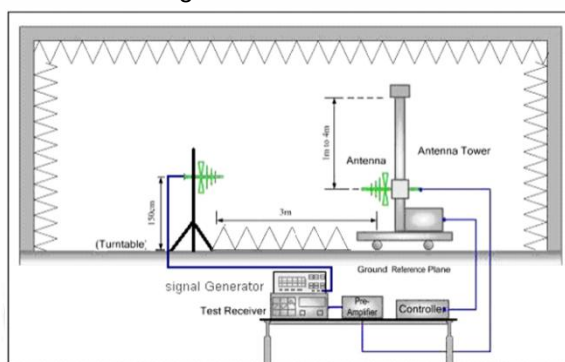


Figure 1. 30MHz to 1GHz

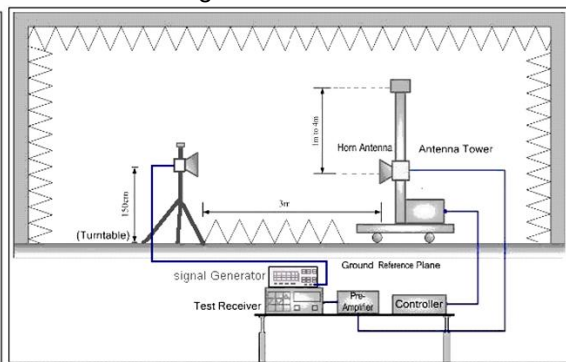


Figure 2. above 1GHz

5.2 Test Environment

Operating Environment:	
Temperature:	23°C
Humidity:	51% RH
Atmospheric Pressure:	1010mbar

5.3 Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
WCDMA Band II	Tx (1850 MHz ~1910 MHz)	Channel 9262	Channel 9400	Channel 9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz
	Rx (1930 MHz ~1990 MHz)	Channel 9662	Channel 9800	Channel 9938
		1932.4 MHz	1960.0 MHz	1987.6 MHz

Pre-scan all mode and data rates and positions,find worse case mode are chosen to the report ,the worse case mode as below:

band	Radiated	Conducted
WCDMA Band II	1) RMC 12.2Kbps Link 2) HSDPA 3) HSUPA	1) RMC 12.2Kbps Link 2) HSDPA 3) HSUPA

Test mode:

Test Mode	Test Modes description
UMTS/TM1	WCDMA system, QPSK modulation
UMTS/TM2	HSDPA system, QPSK modulation
UMTS/TM3	HSUPA system, QPSK modulation

6 General Information

6.1 Client Information

Applicant:	BEWELL CONNECT CORP
Address of Applicant:	SUITE 410, 185 ALEWIFE BROOK PARKWAY CAMBRIDGE, Massachusetts, United States
Manufacturer:	Visiomed Technology Co., Ltd
Address of Manufacturer:	2 Floor of No.1 Building, Jia An Technological Industrial Park, 67 District, Bao An, 518101 Shenzhen China
Factory:	Visiomed Technology Co., Ltd
Address of Factory:	2 Floor of No.1 Building, Jia An Technological Industrial Park, 67 District, Bao An, 518101 Shenzhen China

6.2 General Description of EUT

Product Name:	HANDHELD VITALSIGNS MONITORING SYSTEM	
Test Model No.(EUT):	BW-X07HD	
Trade mark:		
EUT Supports Radios application:	LTE Band 2: TX:1850 MHz to 1910 MHz RX:1930 MHz to 1990 MHz. LTE Band 4: TX:1710 MHz to 1755 MHz RX:2110 MHz to 2170 MHz. LTE band 7: TX:2500 MHz to 2570 MHz RX:2620 MHz to 2690 MHz. LTE band 12: TX: 699 MHz to 716 MHz RX: 729 MHz to 746 MHz. WCDMA1900: TX:1850 MHz to 1910 MHz RX:1930 MHz to 1990 MHz. WIFI 802.11b/g/n(20)/n(40): TX/RX:2412 MHz to 2462 MHz BT4.0 Dual mode: 2402 MHz to 2480 MHz. GPS:1575.42MHz	
Power Supply:	AC adapter:	MODEL No.:UE10WCP1-050200SPA PART No.:UE160106HKWY1-P INPUT:100-240V~50/60Hz, 500mA OUTPUT:5.0V  2.0A
	Battery:	2500mAh 3.7V (Rechargeable Li-ion Battery)
Hardware Version:	(manufacturer declare)H.VS.MSM8909.02	
Software Version:	(manufacturer declare)Visiocheck_1.0.6	
Sample Received Date:	Oct. 19, 2016	
Sample tested Date:	Oct. 19, 2016 to Jun. 13, 2017	

6.3 Product Specification subjective to this standard

Frequency Band:	WCDMA1900: TX:1850 MHz to 1910 MHz RX:1930 MHz to 1990 MHz.
Modulation Type:	QPSK for WCDMA QPSK for HSDPA QPSK for HSUPA
Sample Type:	Portable production
Antenna Type:	Internal antenna
Antenna Gain:	WCDMA1900: 2dBi
Test Voltage:	AC 120V, 60Hz

6.4 Description of Support Units

The EUT has been tested independently.

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

6.6 Test Facility

FCC-Registration No.: 886427

Centre Testing International Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 886427.

6.7 Deviation from Standards

None.

6.8 Abnormalities from Standard Conditions

None.

6.9 Other Information Requested by the Customer

None.

6.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.31dB (30MHz-1GHz)
		0.57dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-12.75GHz)
4	Conduction emission	3.6dB (9kHz to 150kHz)
		3.2dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	2.8%
7	DC power voltages	0.025%

7 Equipment List

Communication RF test system					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Agilent	E4440A	MY46185649	12-16-2016	12-15-2017
Signal Generator	Agilent	E4438C	MY45095744	03-14-2017	03-13-2018
Communication test set	Agilent	E5515C	GB47050534	03-14-2017	03-13-2018
Signal Generator	Keysight	E8257D	MY53401106	03-14-2017	03-13-2018
Communication test set	R&S	CMW500	152394	03-14-2017	03-13-2018
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-12-2017	01-11-2018
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX01CA09C L12-0395-001	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX01CA08C L12-0393-001	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX02CA04C L12-0396-002	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX02CA03C L12-0394-001	---	01-12-2017	01-11-2018
DC Power	Keysight	E3642A	MY54426112	03-14-2017	03-13-2018
DC Power	Keysight	E3642A	MY54426115	03-14-2017	03-13-2018
PC-2	Lenovo	R4960d	---	04-01-2017	03-31-2018
PC-3	Lenovo	R4960d	---	04-01-2017	03-31-2018
RF control unit	JS Tonscend	JS0806-1	158060004	03-14-2017	03-13-2018
DC power Box	JS Tonscend	JS0806-4	158060007	04-01-2017	03-31-2018
LTE Automatic test software	JS Tonscend	JS1120-1	---	04-01-2017	03-31-2018
WCDMA Automatic test software	JS Tonscend	JS1120-3	---	04-01-2017	03-31-2018
GSM Automatic test software	JS Tonscend	JS1120-3	---	04-01-2017	03-31-2018

Radiated Spurious Emission & Radiated Emission					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06-05-2016	06-05-2019
TRILOG Broadband Antenna	SCHWARZBECK	VULB9163	9163-618	07-28-2016	07-27-2017
Microwave Preamplifier	Agilent	8449B	3008A02425	02-16-2017	02-15-2018
Horn Antenna	ETS-LINDGREN	3117	00057407	07-20-2015	07-18-2018
Loop Antenna	ETS	6502	00071730	07-30-2015	07-28-2017
Spectrum Analyzer	R&S	FSP40	100416	06-16-2016	06-15-2017
Receiver	R&S	ESCI	100435	06-16-2016	06-15-2017
Multi device Controller	maturo	NCD/070/10711 112	---	01-12-2017	01-11-2018
LISN	schwarzbeck	NNBM8125	81251547	06-16-2016	06-15-2017
LISN	schwarzbeck	NNBM8125	81251548	06-16-2016	06-15-2017
Signal Generator	Agilent	E4438C	MY45095744	03-14-2017	03-13-2018
Signal Generator	Keysight	E8257D	MY53401106	03-14-2017	03-13-2018
Temperature/ Humidity Indicator	TAYLOR	1451	1905	05-08-2017	05-07-2018
Communication test set	Agilent	E5515C	GB47050534	03-14-2017	03-13-2018
Cable line	Fulai(7M)	SF106	5219/6A	01-12-2017	01-11-2018
Cable line	Fulai(6M)	SF106	5220/6A	01-12-2017	01-11-2018
Cable line	Fulai(3M)	SF106	5216/6A	01-12-2017	01-11-2018
Cable line	Fulai(3M)	SF106	5217/6A	01-12-2017	01-11-2018
Communication test set	R&S	CMW500	152394	03-14-2017	03-13-2018
High-pass filter(3-18GHz)	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-12-2017	01-11-2018
High-pass filter(6-18GHz)	MICRO-TRONICS	SPA-F-63029-4	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX01CA09C L12-0395-001	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX01CA08C L12-0393-001	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX02CA04C L12-0396-002	---	01-12-2017	01-11-2018
band rejection filter	Sinoscite	FL5CX02CA03C L12-0394-001	---	01-12-2017	01-11-2018

8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 24	PART 24 – PERSONAL COMMUNICATIONS SERVICES Subpart E – Broadband PCS
2	PART 2	Frequency allocations and radio treaty matters; general rules and regulations
3	TIA-603-E-2016	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
4	KDB 971168 D01	KDB971168 D01 Power Meas License Digital Systems v02r02

Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part 2.1046(a)/ part 24.232(c)	TIA-603-D&KDB 971168 D01v02r02	Conducted output power	PASS	Appendix A)
Part 24.232(d)	KDB 971168 D01v02r02	peak-to-average ratio	PASS	Appendix B)
Part 2.1049(h)	Part 24.238(b)&KDB 971168 D01v02r02	99% &26dB Occupied Bandwidth	PASS	Appendix C)
Part 2.1051/ Part 24.238(a)	Part 24.238(b)&KDB 971168 D01v02r02	Band Edge at antenna terminals	PASS	Appendix D)
Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-D &KDB 971168 D01v02r02	Spurious emissions at antenna terminals	PASS	Appendix E)
Part 2.1055/ Part 24.235	TIA-603-D &KDB 971168 D01v02r02	Frequency stability	PASS	Appendix F)
Part 2.1053/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-D &KDB 971168 D01v02r02	Field strength of spurious radiation	PASS	Appendix G)
Part 2.1046(a)/ Part 24.232(c)	TIA-603-D &KDB 971168 D01v02r02	Effective Radiated Power of Transmitter(ERP)	PASS	Appendix H)

Appendix A)RF Power Output

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM1	LCH	23.59	33	PASS
		MCH	23.51	33	PASS
		HCH	23.40	33	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM2	LCH_SubTest-1	22.23	33	PASS
		LCH_SubTest-2	22.56	33	PASS
		LCH_SubTest-3	22.43	33	PASS
		LCH_SubTest-4	22.42	33	PASS
		MCH_SubTest-1	22.61	33	PASS
		MCH_SubTest-2	22.80	33	PASS
		MCH_SubTest-3	22.87	33	PASS
		MCH_SubTest-4	22.78	33	PASS
		HCH_SubTest-1	22.29	33	PASS
		HCH_SubTest-2	22.60	33	PASS
		HCH_SubTest-3	22.60	33	PASS
		HCH_SubTest-4	22.60	33	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM3	LCH_SubTest-1	22.41	33	PASS
		LCH_SubTest-2	22.26	33	PASS
		LCH_SubTest-3	21.43	33	PASS
		LCH_SubTest-4	22.58	33	PASS
		LCH_SubTest-5	22.45	33	PASS
		MCH_SubTest-1	22.33	33	PASS
		MCH_SubTest-2	22.06	33	PASS
		MCH_SubTest-3	21.77	33	PASS

	MCH_SubTest-4	22.80	33	PASS
	MCH_SubTest-5	23.37	33	PASS
	HCH_SubTest-1	22.97	33	PASS
	HCH_SubTest-2	22.47	33	PASS
	HCH_SubTest-3	22.18	33	PASS
	HCH_SubTest-4	22.64	33	PASS
	HCH_SubTest-5	23.11	33	PASS

Appendix B) Peak-to-Average Ratio

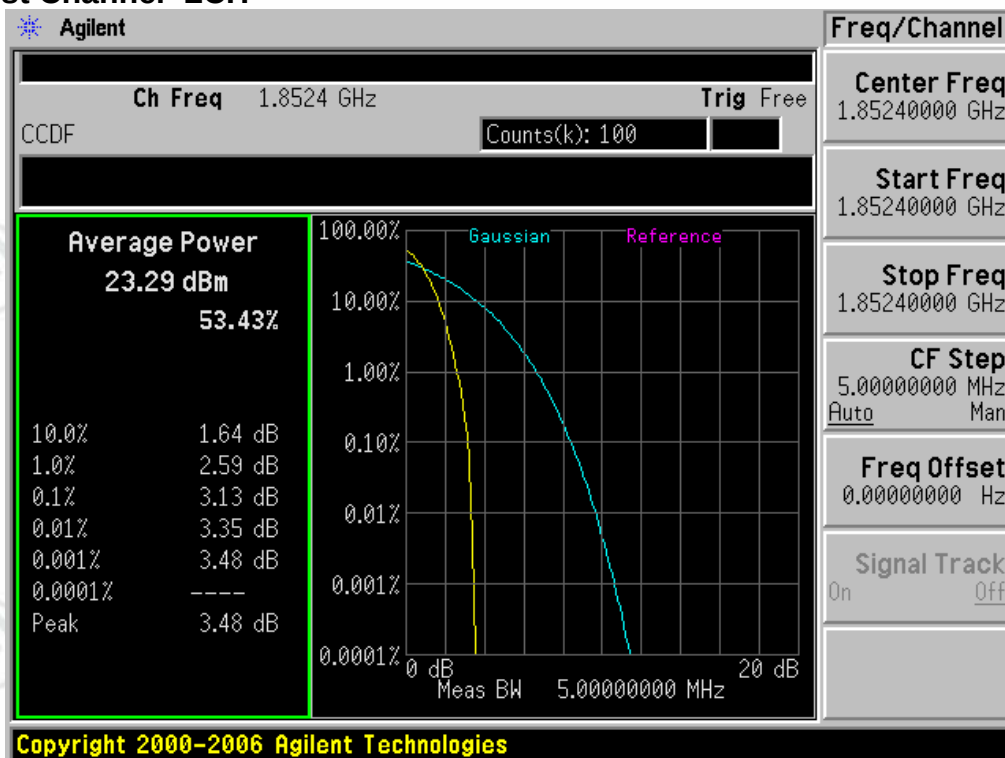
Test Band	Test Mode	Test Channel	Measured(db)	Limit (db)	Verdict
WCDMA1900	UMTS/TM1	LCH	3.13	13	PASS
		MCH	3.18	13	PASS
		HCH	3.19	13	PASS
Test Band	Test Mode	Test Channel	Measured(db)	Limit (db)	Verdict
WCDMA1900	UMTS/TM2	LCH	3.25	13	PASS
		MCH	3.18	13	PASS
		HCH	3.24	13	PASS
Test Band	Test Mode	Test Channel	Measured(db)	Limit (db)	Verdict
WCDMA1900	UMTS/TM3	LCH	4.49	13	PASS
		MCH	4.55	13	PASS
		HCH	4.68	13	PASS

1 For WCDMA

1.1 Test Band=WCDMA1900

1.1.1 Test Mode=UMTS/TM1

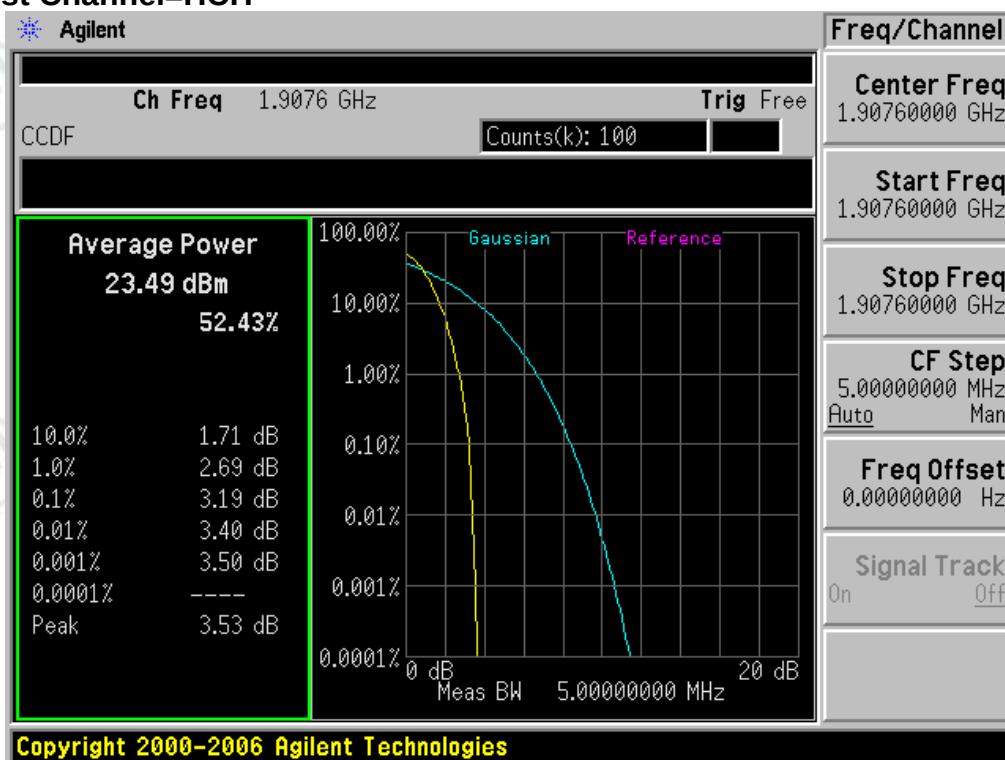
1.1.1.1 Test Channel=LCH



1.1.1.2 Test Channel=MCH

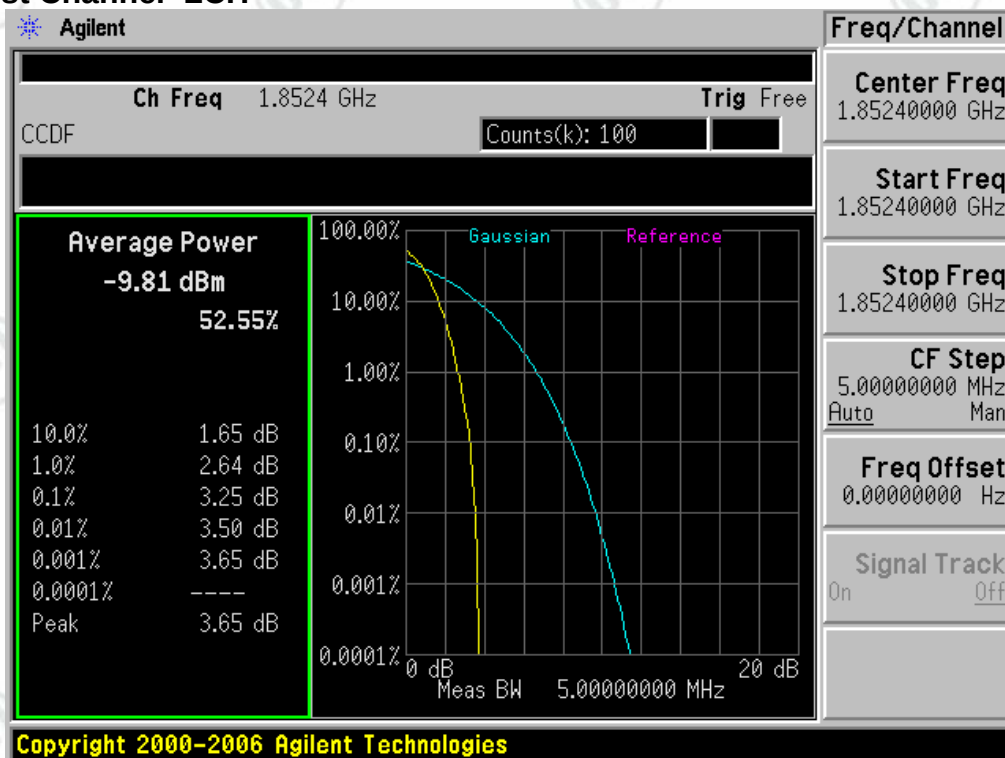


1.1.1.3 Test Channel=HCH

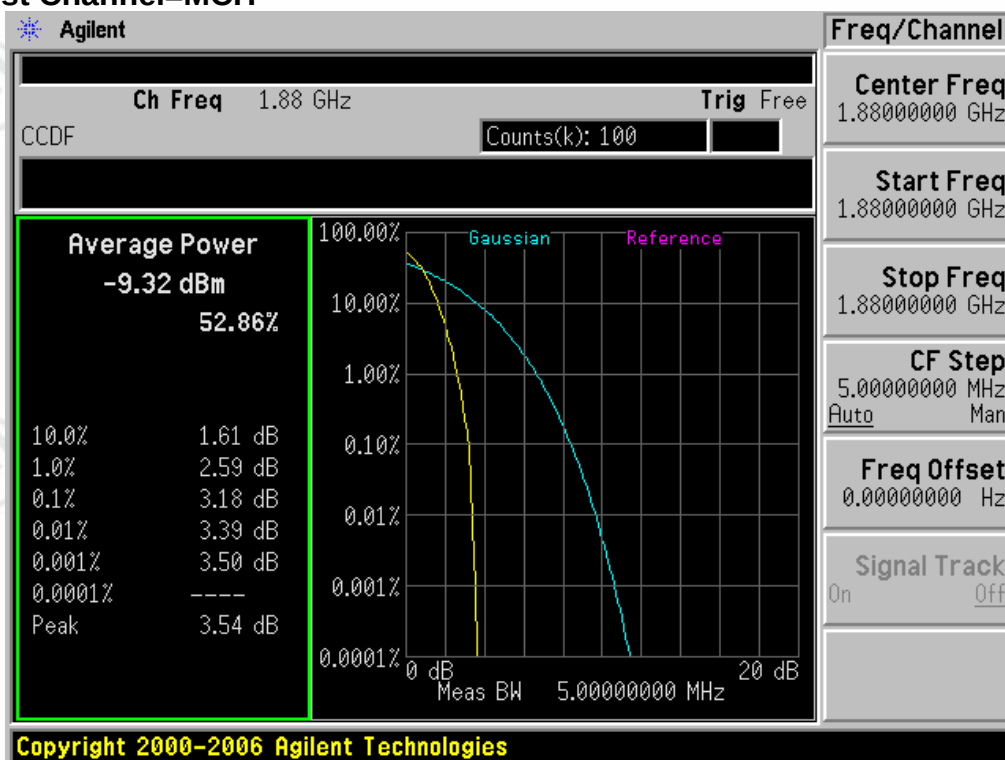


1.1.2 Test Mode=UMTS/TM2

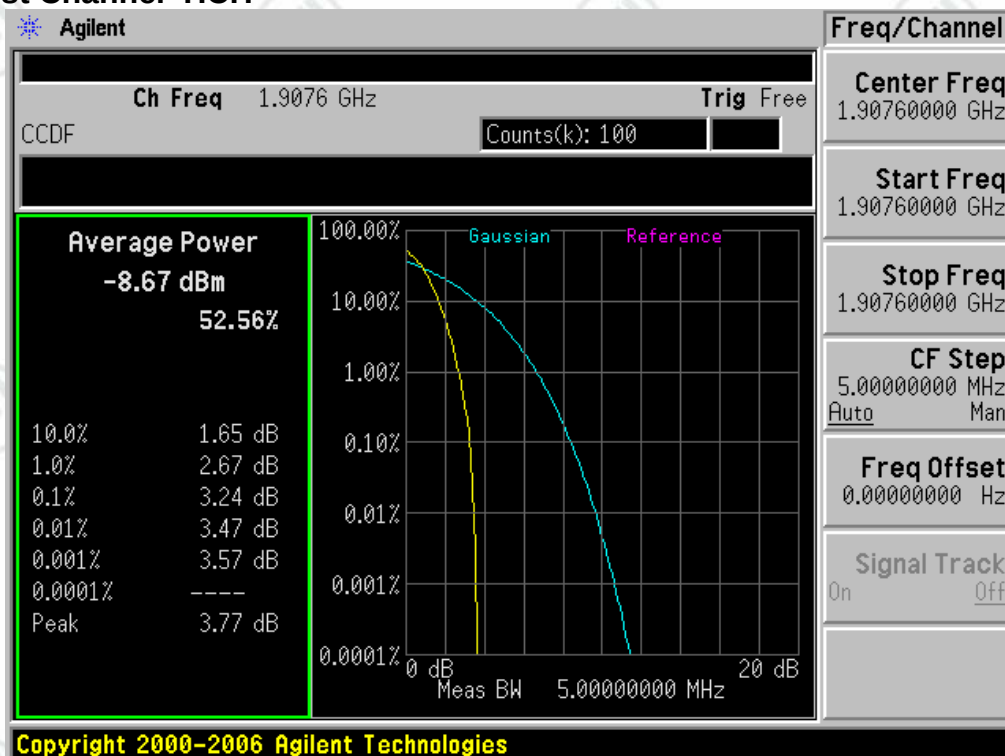
1.1.2.1 Test Channel=LCH



1.1.2.2 Test Channel=MCH

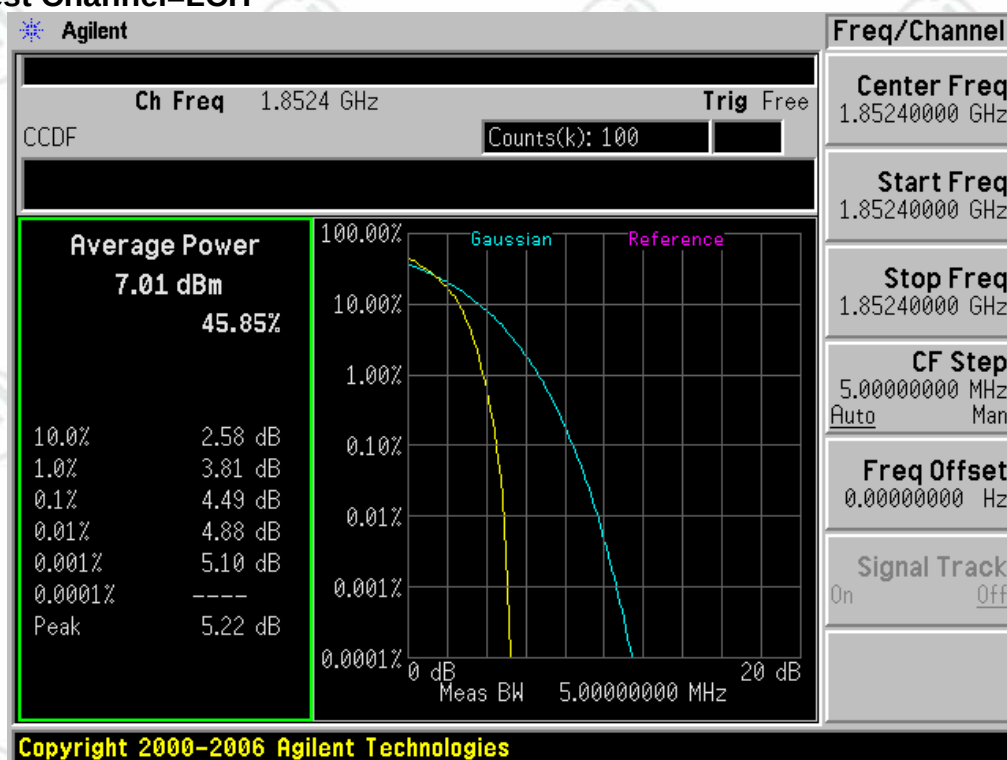


1.1.2.3 Test Channel=HCH

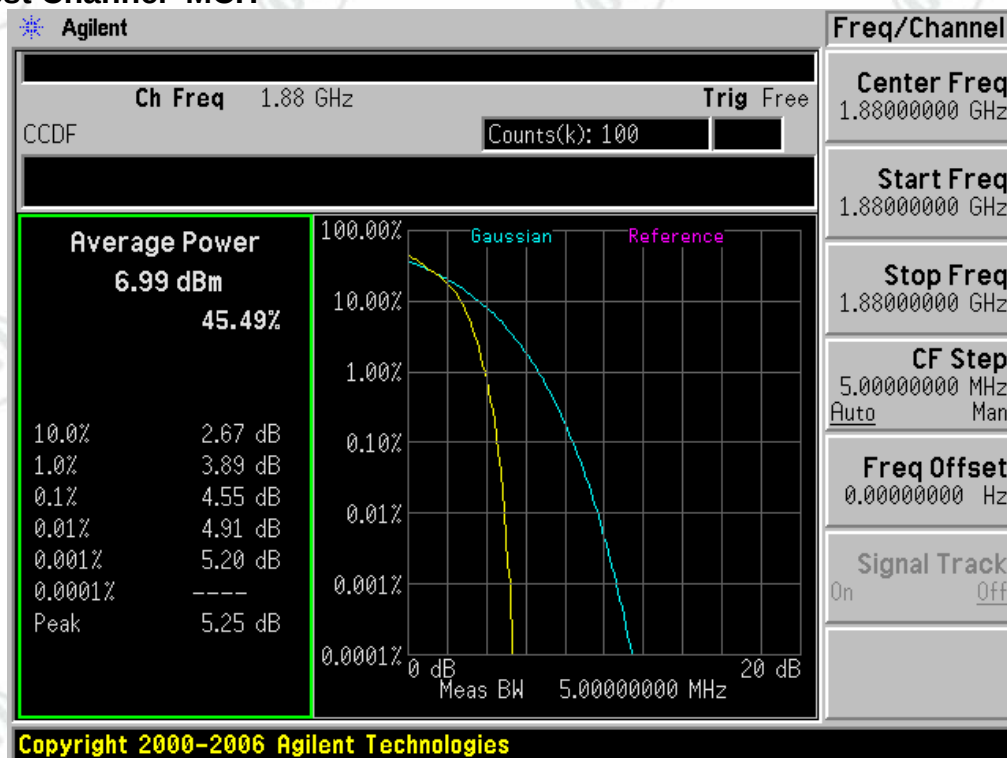


1.1.3 Test Mode=UMTS/TM3

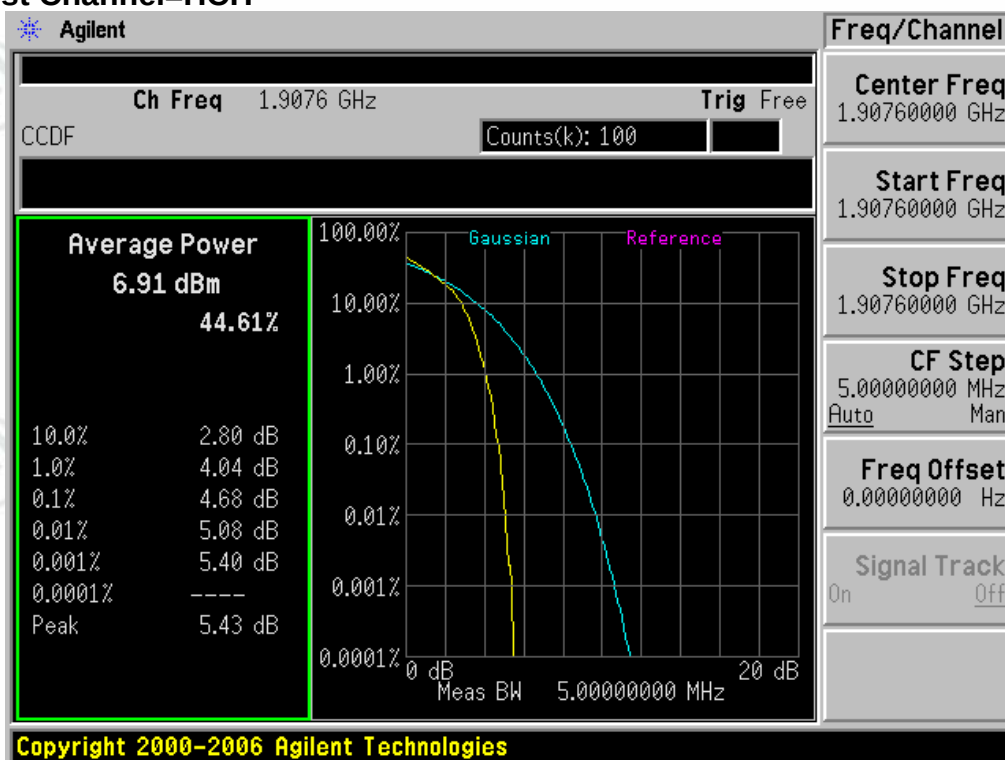
1.1.3.1 Test Channel=LCH



1.1.3.2 Test Channel=MCH



1.1.3.3 Test Channel=HCH



Appendix C)BandWidth

Test Band	Test Mode	Test Channel	Occupied Bandwidth (KHZ)	Emission Bandwidth (KHZ)	Verdict
WCDMA 1900	UMTS/TM1	LCH	4161.1	4757	PASS
		MCH	4159.9	4757	PASS
		HCH	4167.9	4747	PASS
WCDMA 1900	UMTS/TM2	LCH	4184.5	4764	PASS
		MCH	4185.4	4773	PASS
		HCH	4128.4	4747	PASS
WCDMA 1900	UMTS/TM3	LCH	4179.2	4750	PASS
		MCH	4161.5	4752	PASS
		HCH	4155.9	4756	PASS

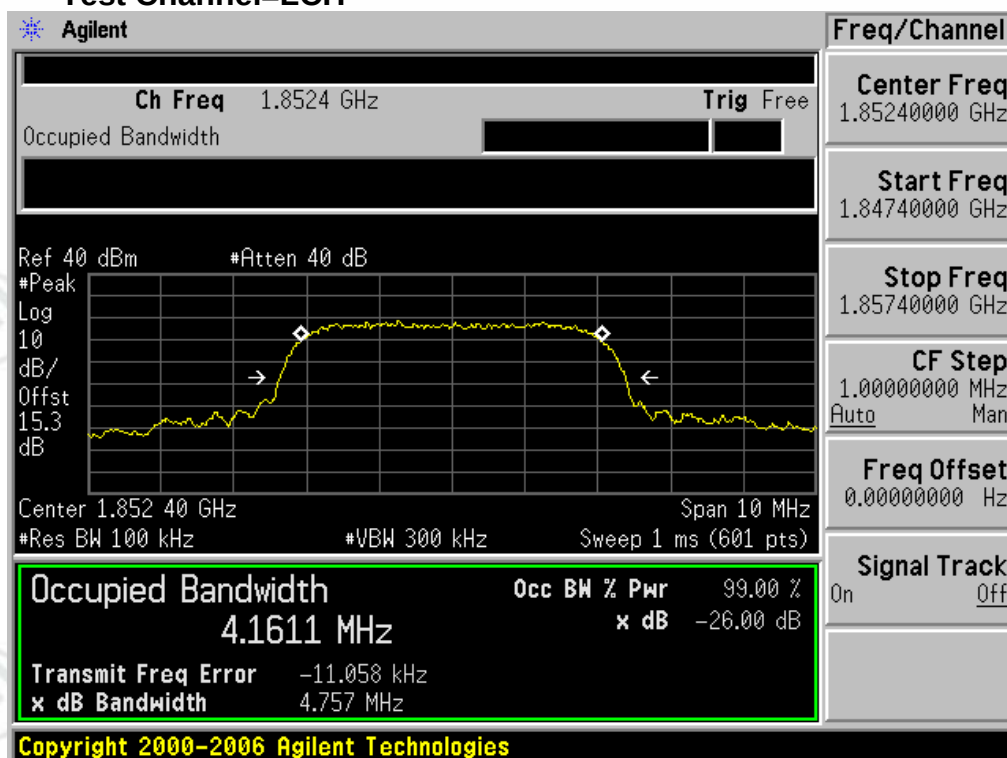
1

For WCDMA

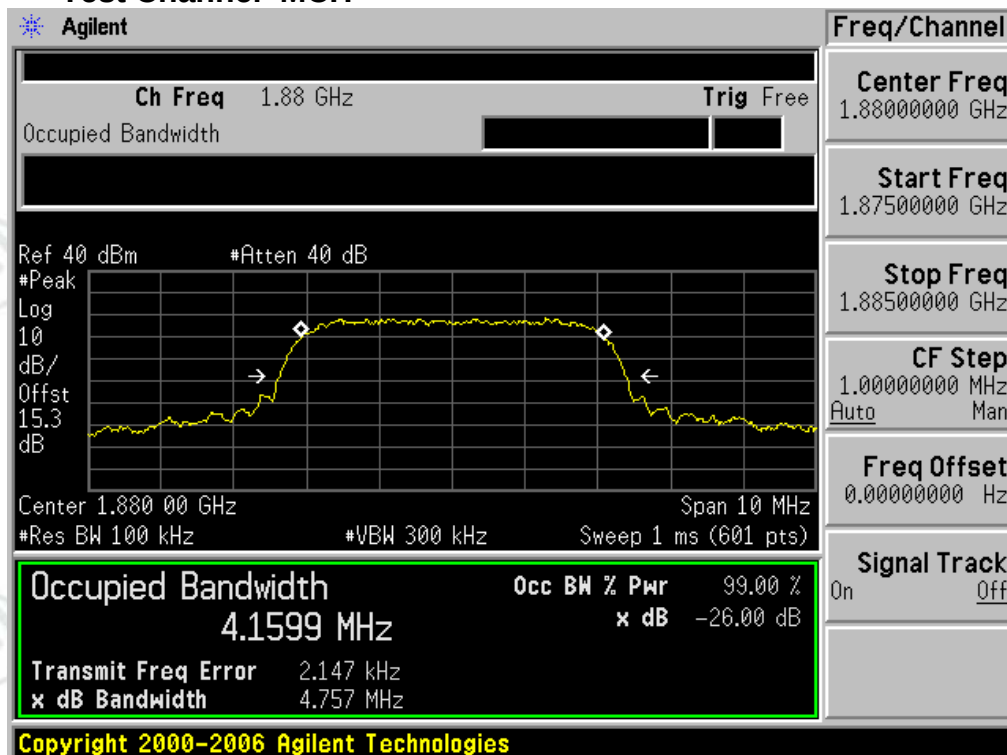
1.1 Test Band=WCDMA1900

1.1.1 Test Mode=UMTS/TM1

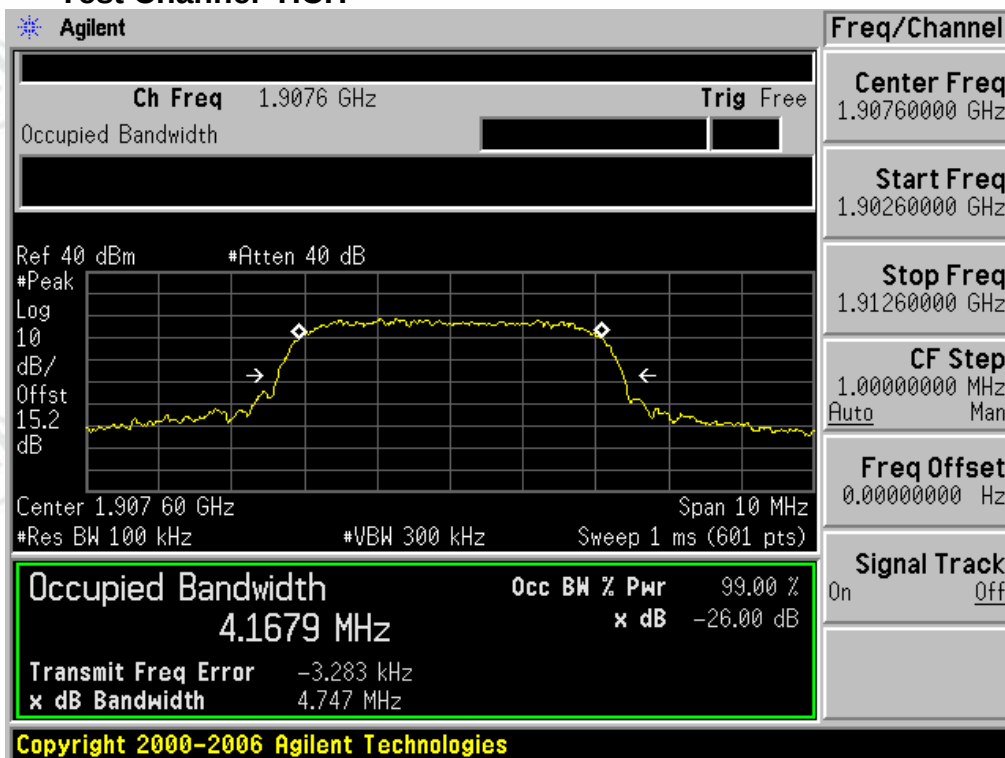
1.1.1.1 Test Channel=LCH



1.1.1.2 Test Channel=MCH

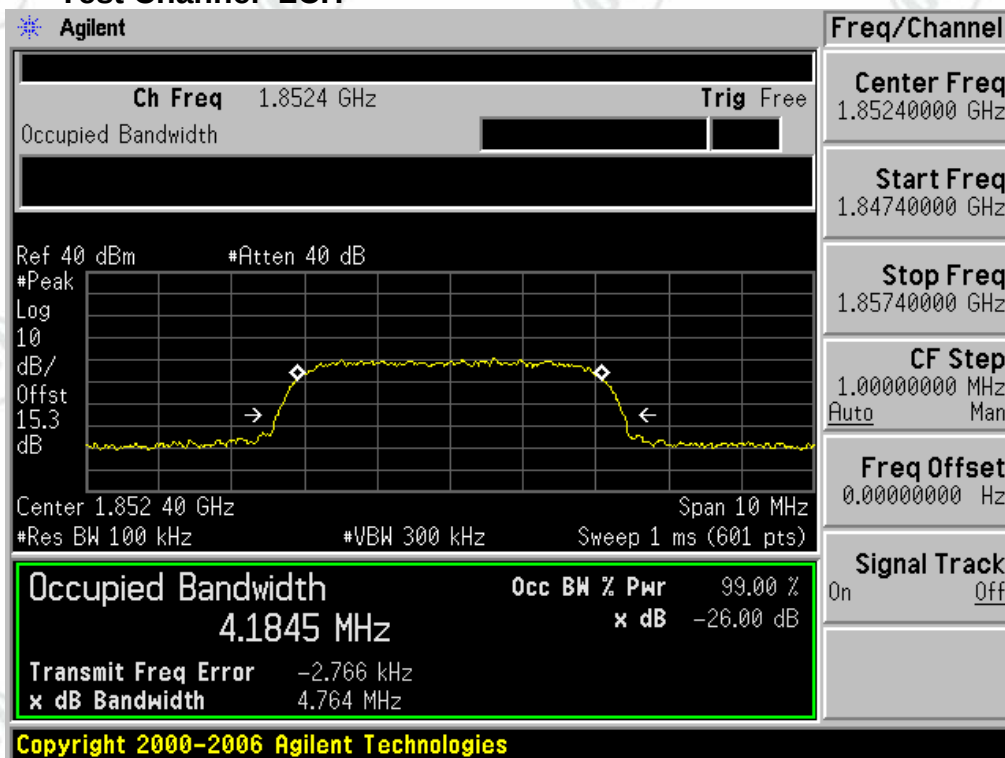


1.1.1.3 Test Channel=HCH

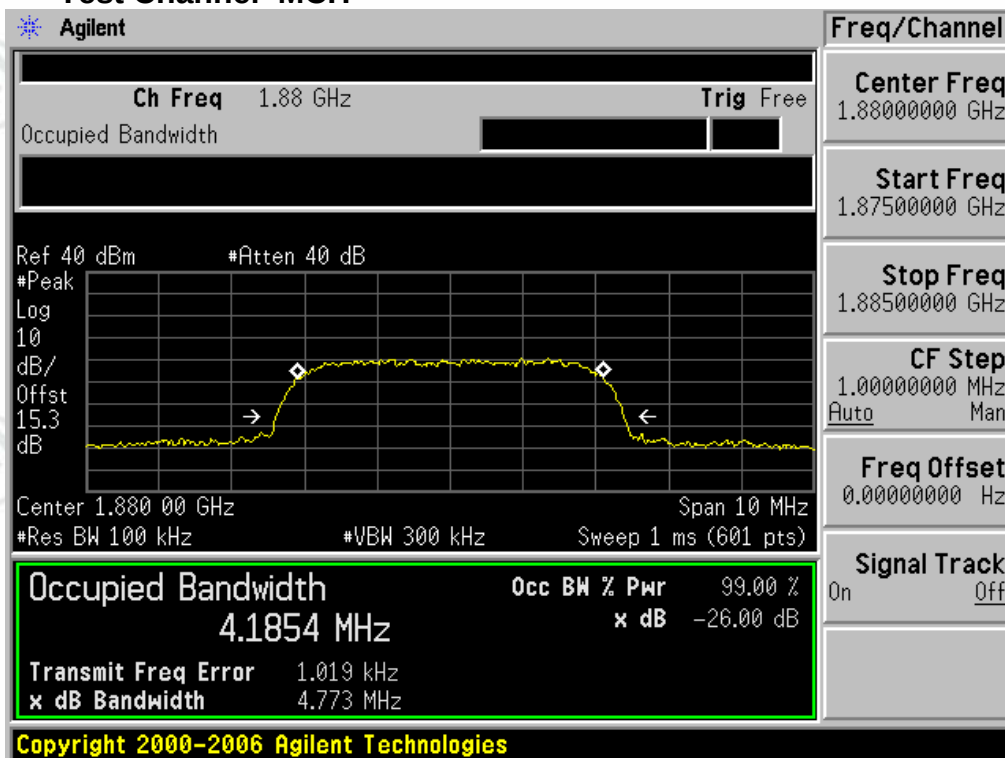


1.1.2 Test Mode=UMTS/TM2

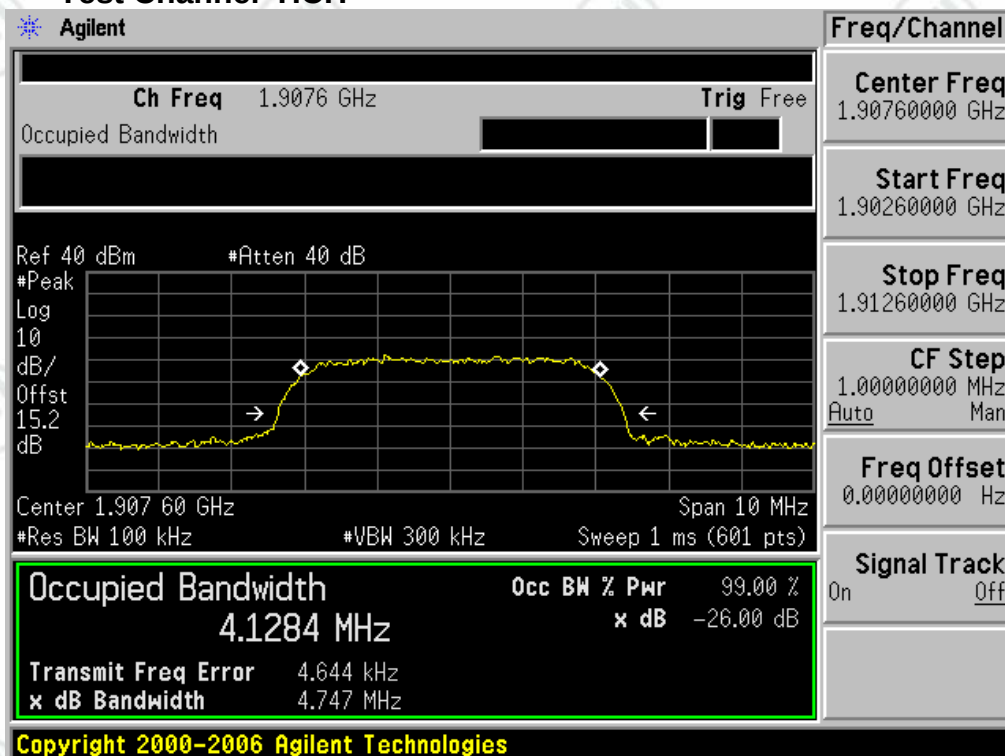
1.1.2.1 Test Channel=LCH



1.1.2.2 Test Channel=MCH

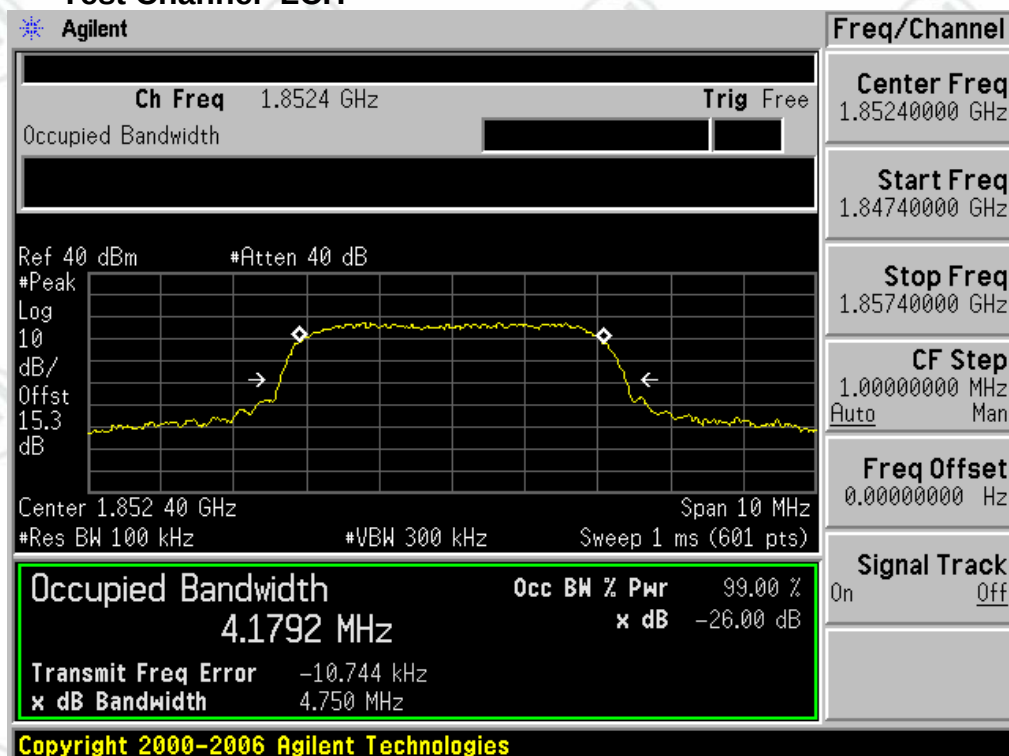


1.1.2.3 Test Channel=HCH

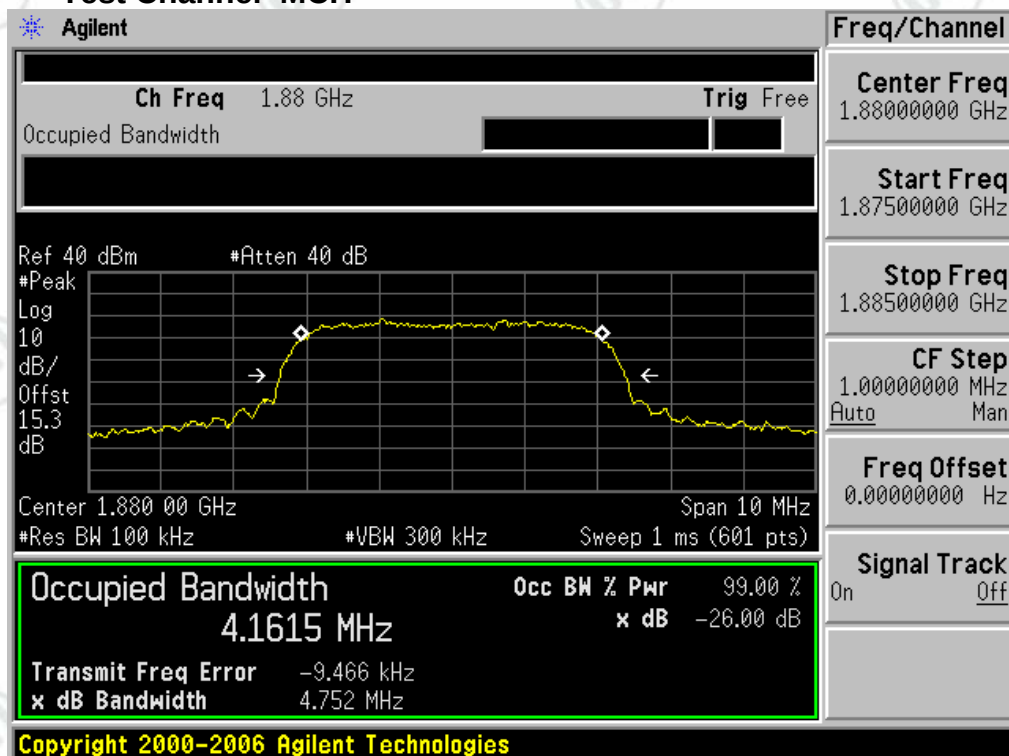


1.1.3 Test Mode=UMTS/TM3

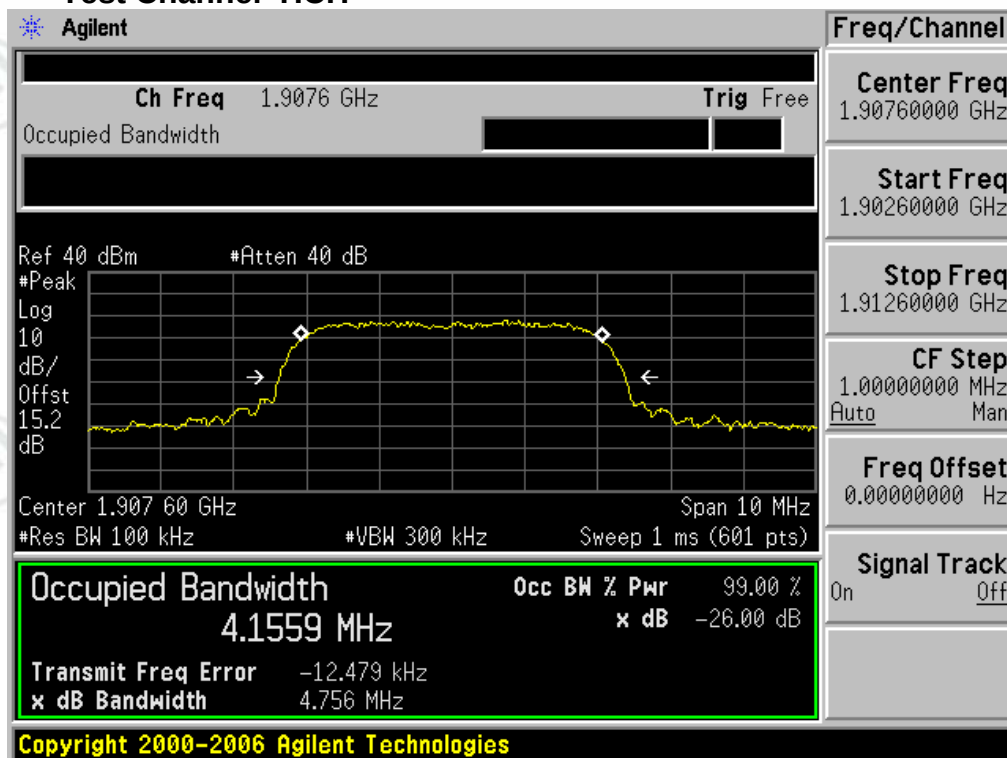
1.1.3.1 Test Channel=LCH



1.1.3.2 Test Channel=MCH



1.1.3.3 Test Channel=HCH



Appendix D)Band Edges Compliance

1 For WCDMA

1.1 Test Band=WCDMA1900

1.1.1 Test Mode=UMTSTM1

1.1.1.1 Test Channel=LCH

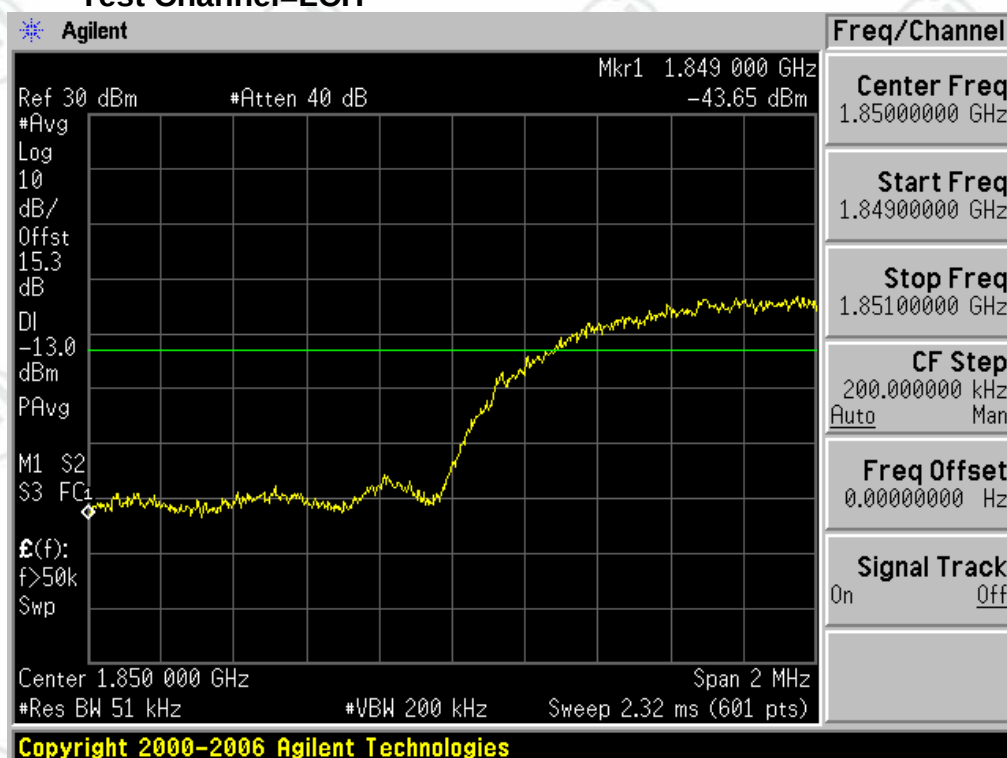


1.1.1.2 Test Channel=HCH

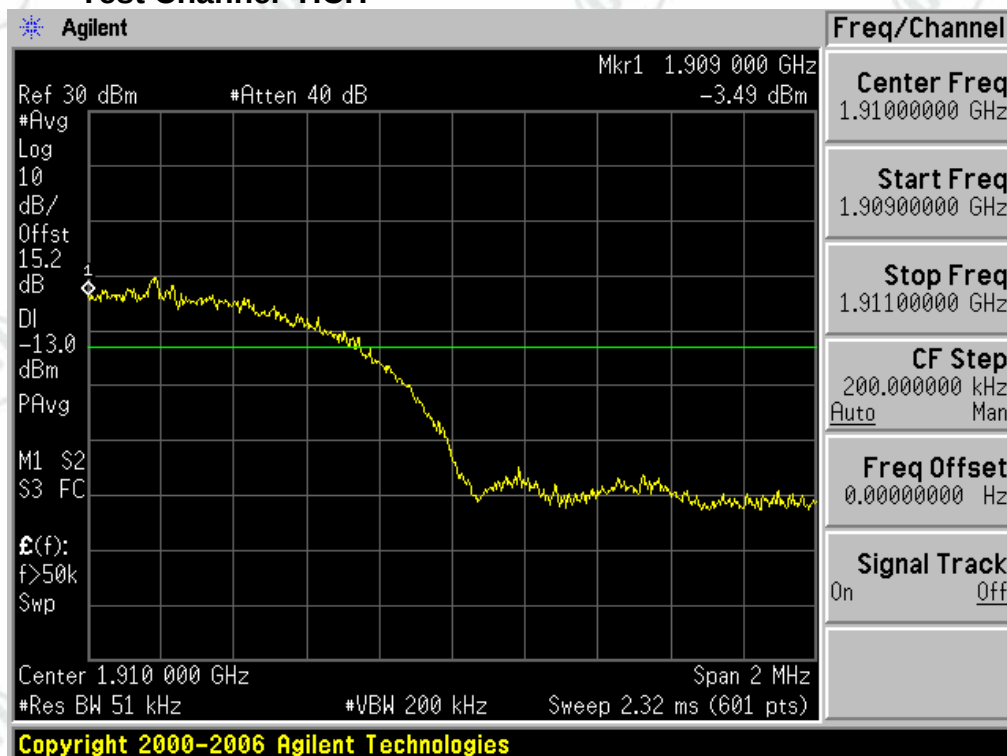


1.1.2 Test Mode=UMTS/TM2

1.1.2.1 Test Channel=LCH



1.1.2.2 Test Channel=HCH

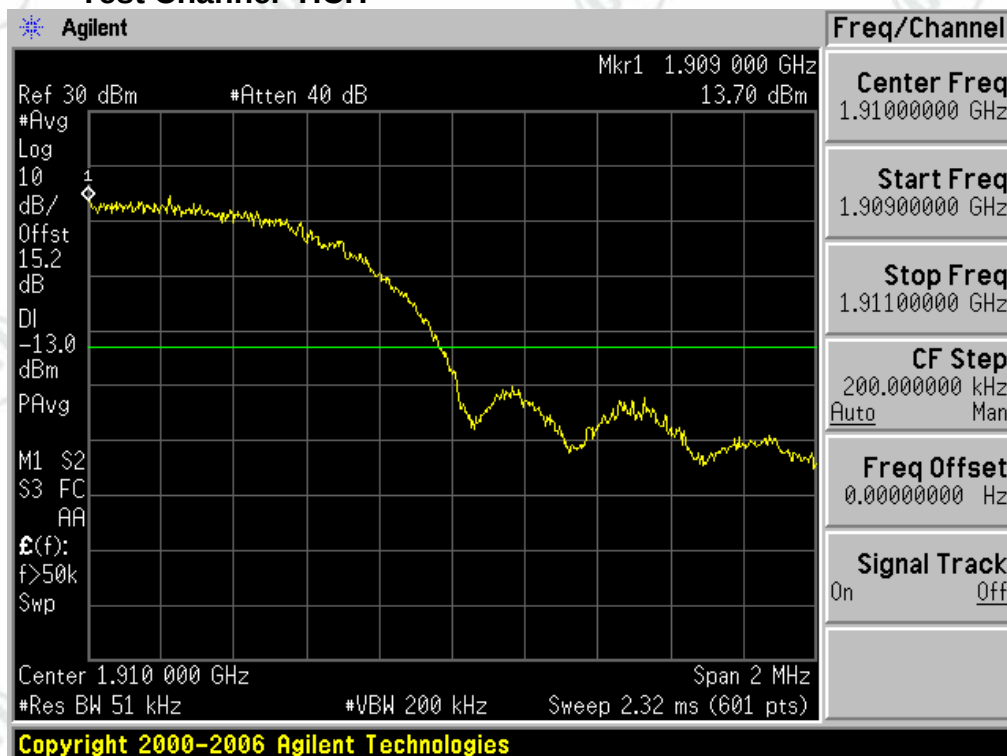


1.1.3 Test Mode=UMTS/TM3

1.1.3.1 Test Channel=LCH



1.1.3.2 Test Channel=HCH

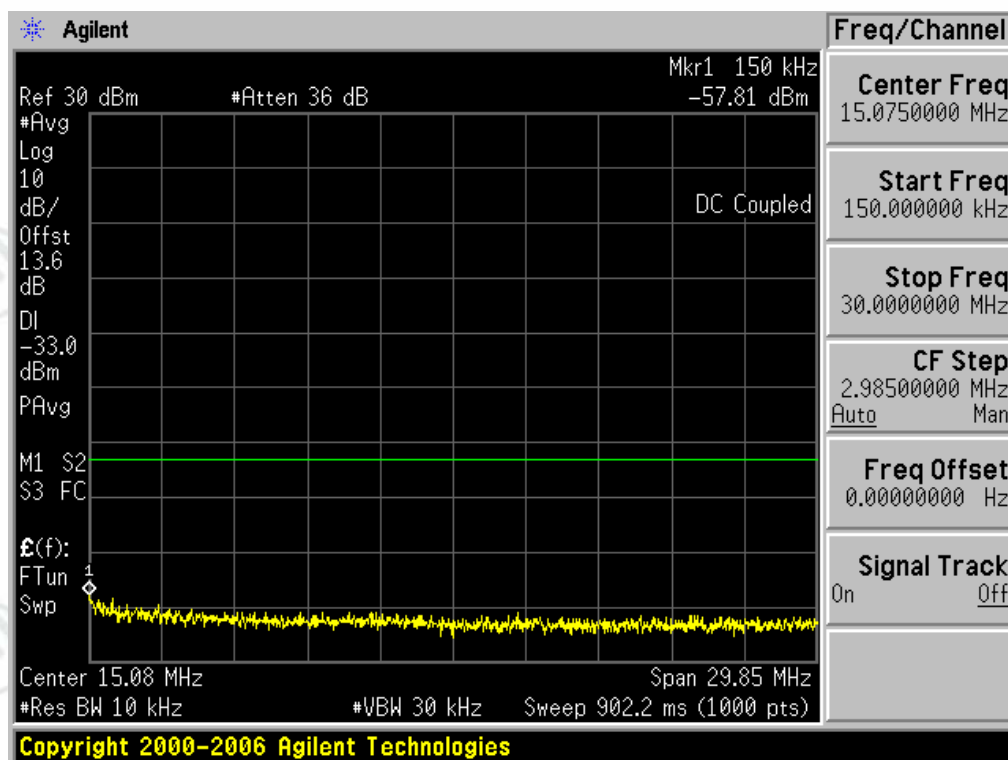
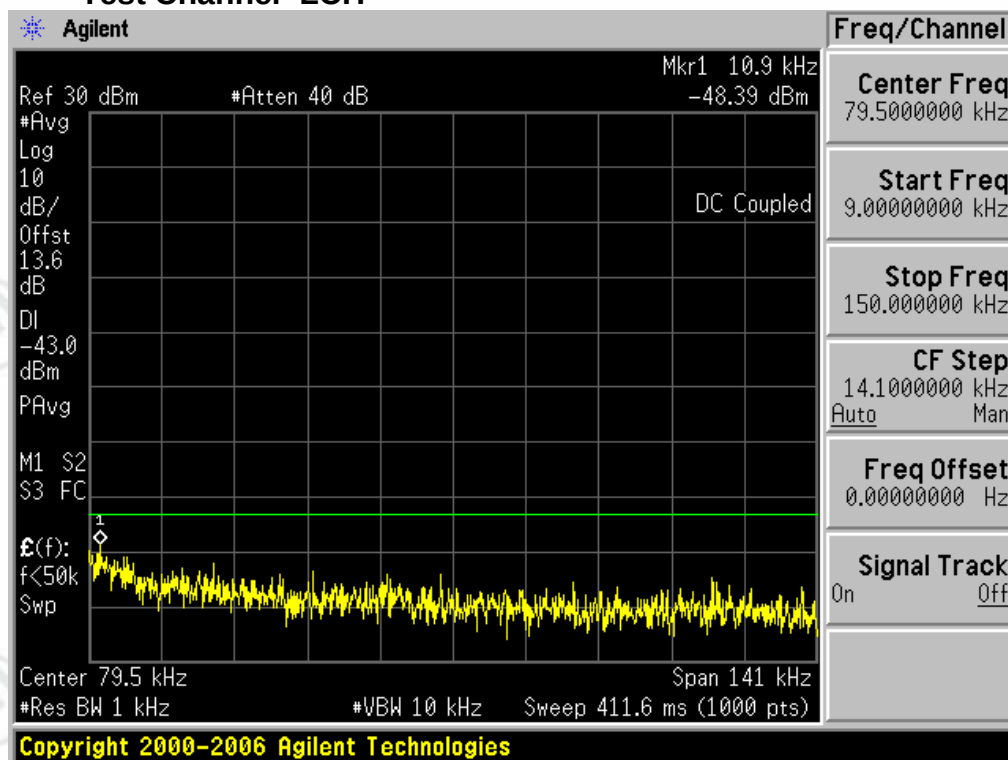


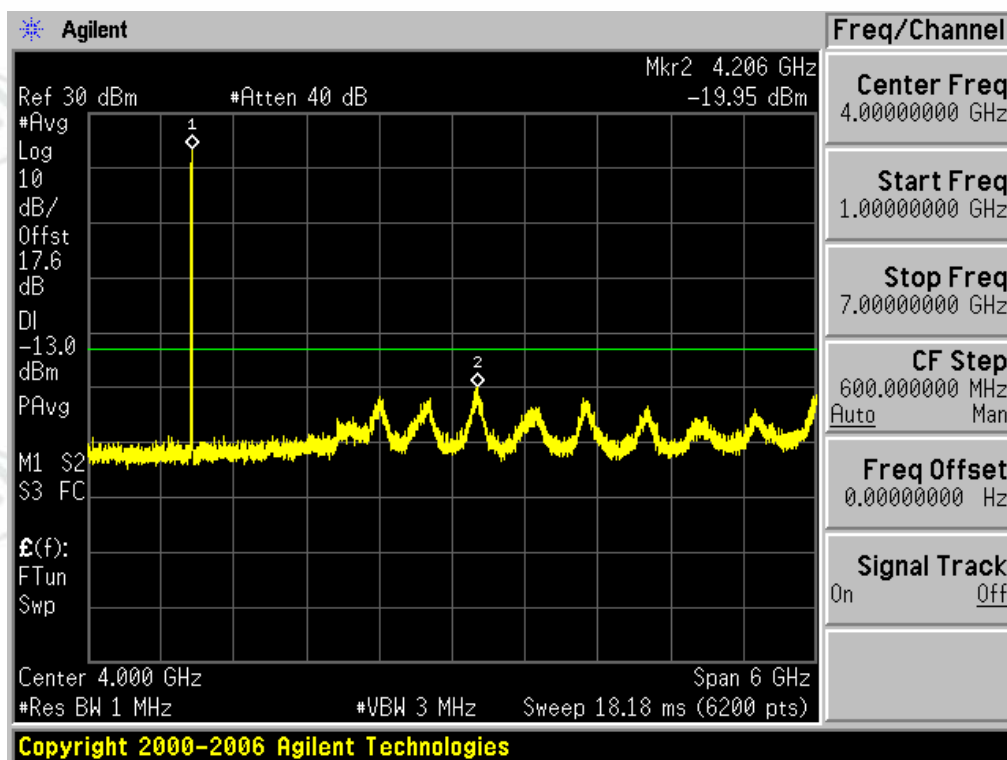
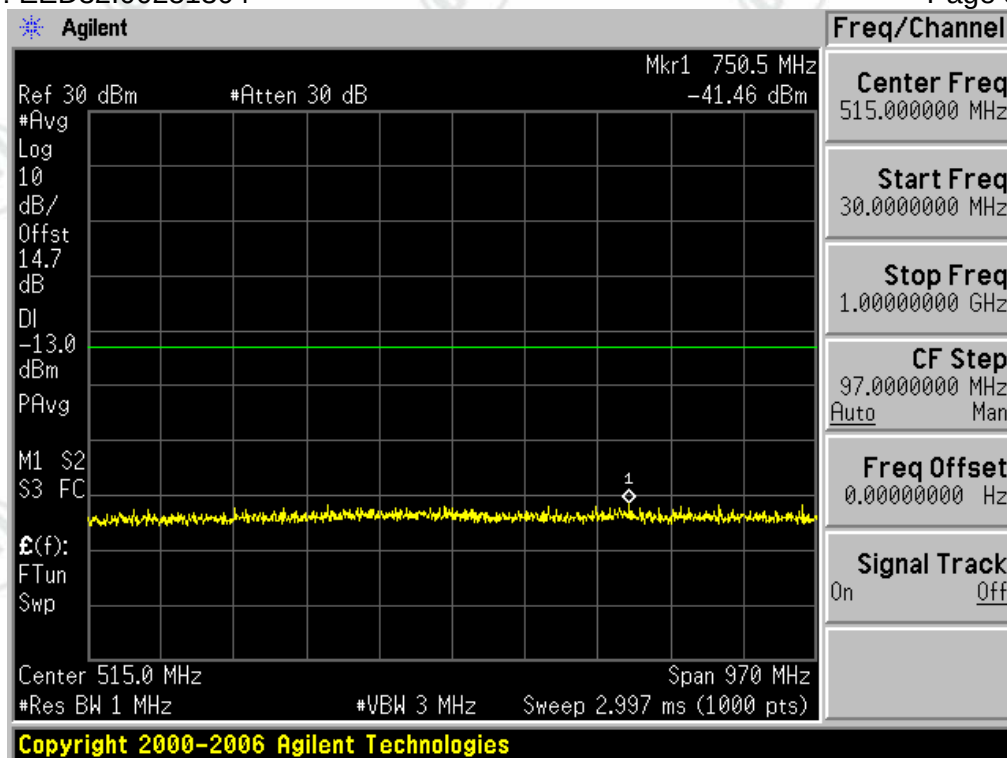
Appendix E)Spurious Emission at Antenna Terminal

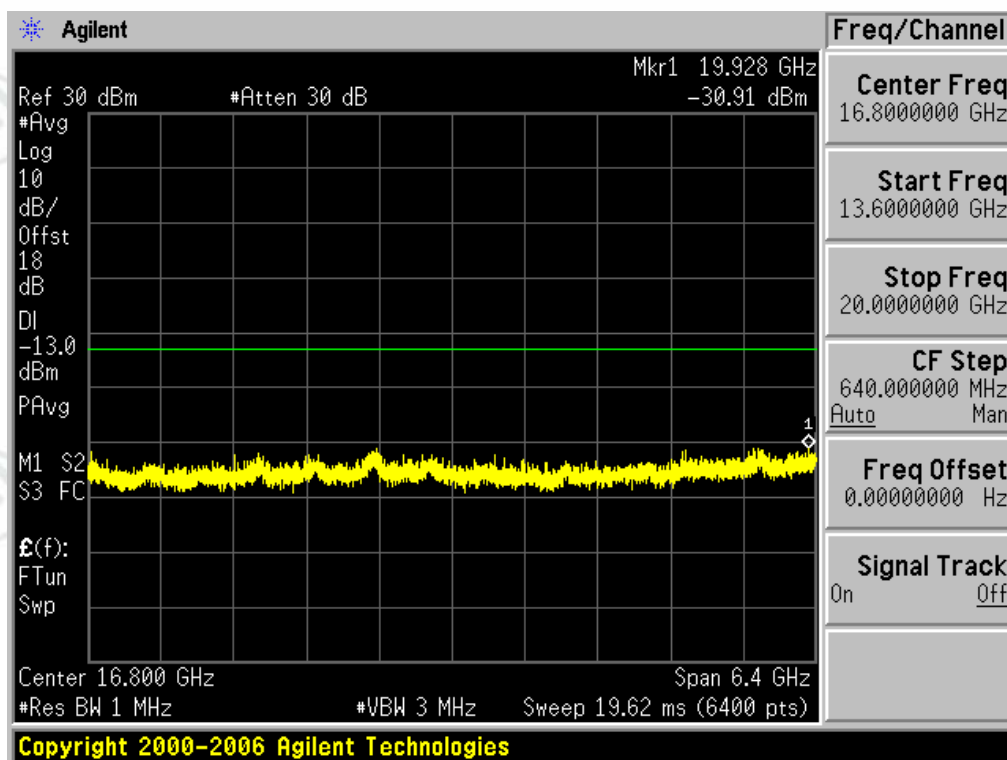
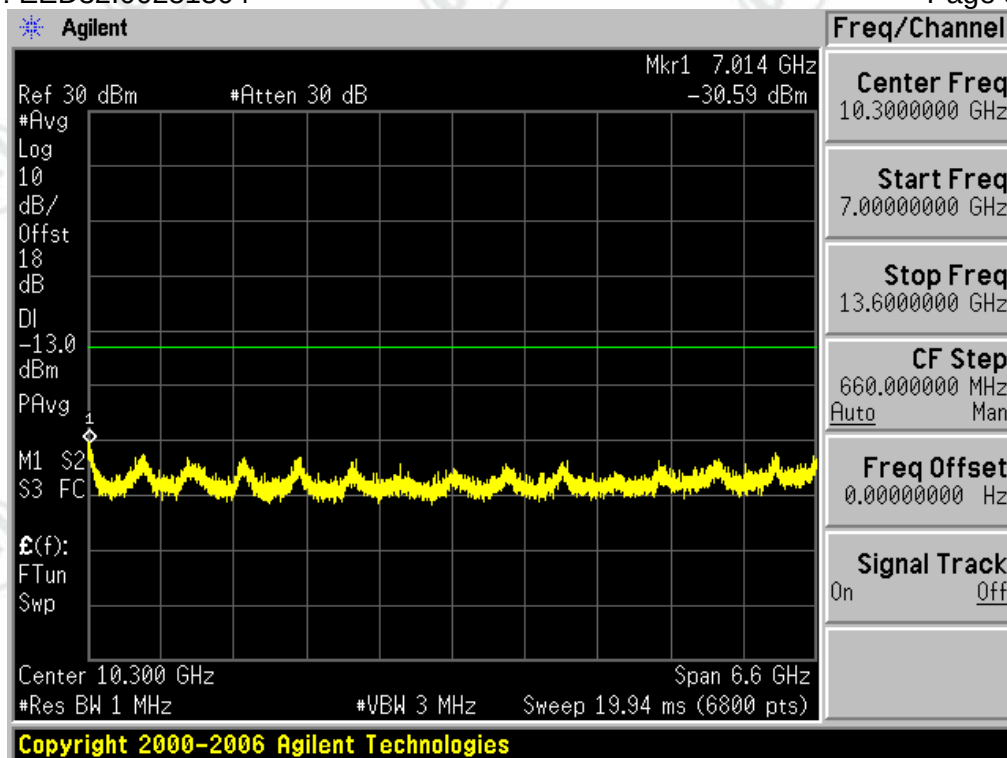
1.1 Test Band=WCDMA1900

1.1.1 Test Mode=UMTS/TM1

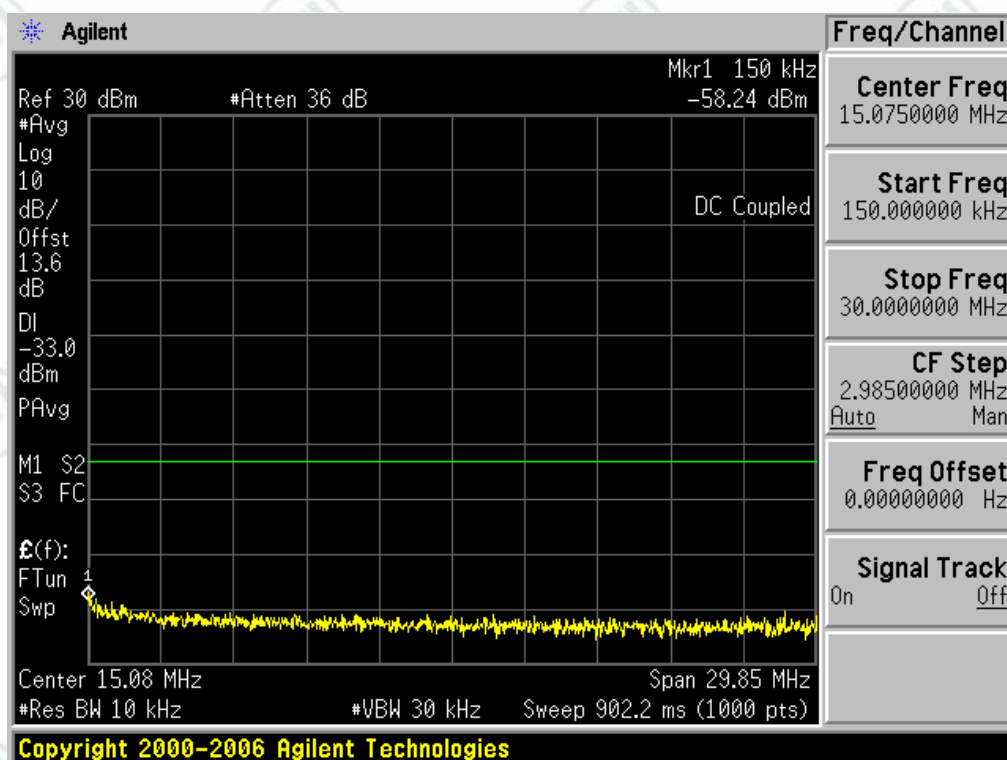
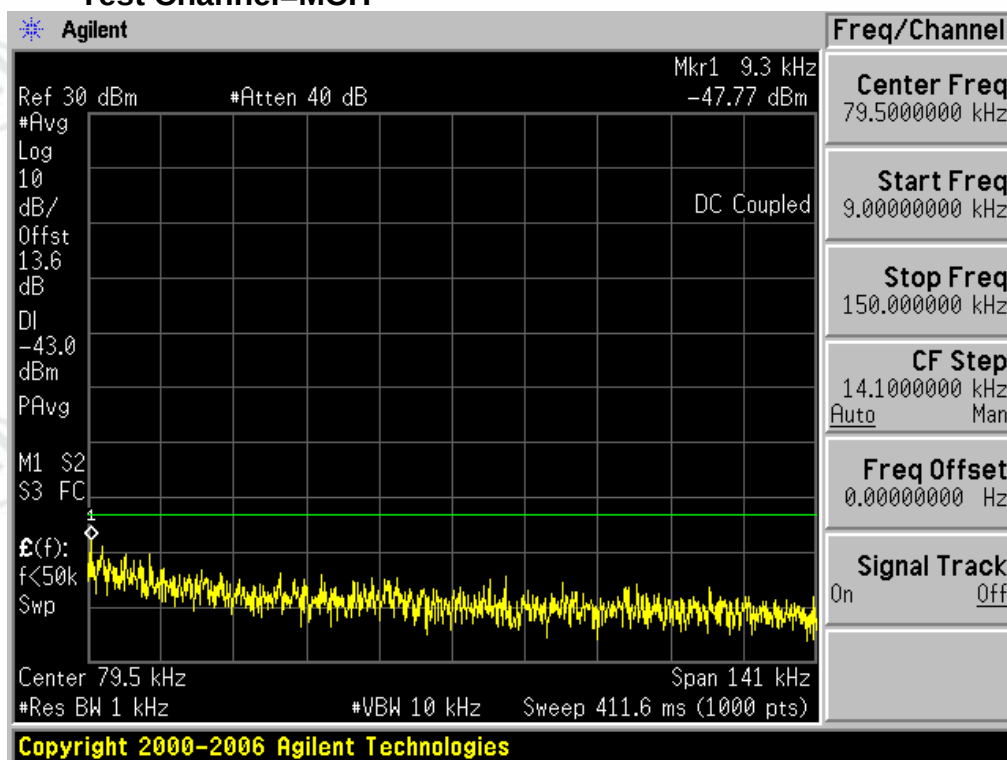
1.1.1.1 Test Channel=LCH

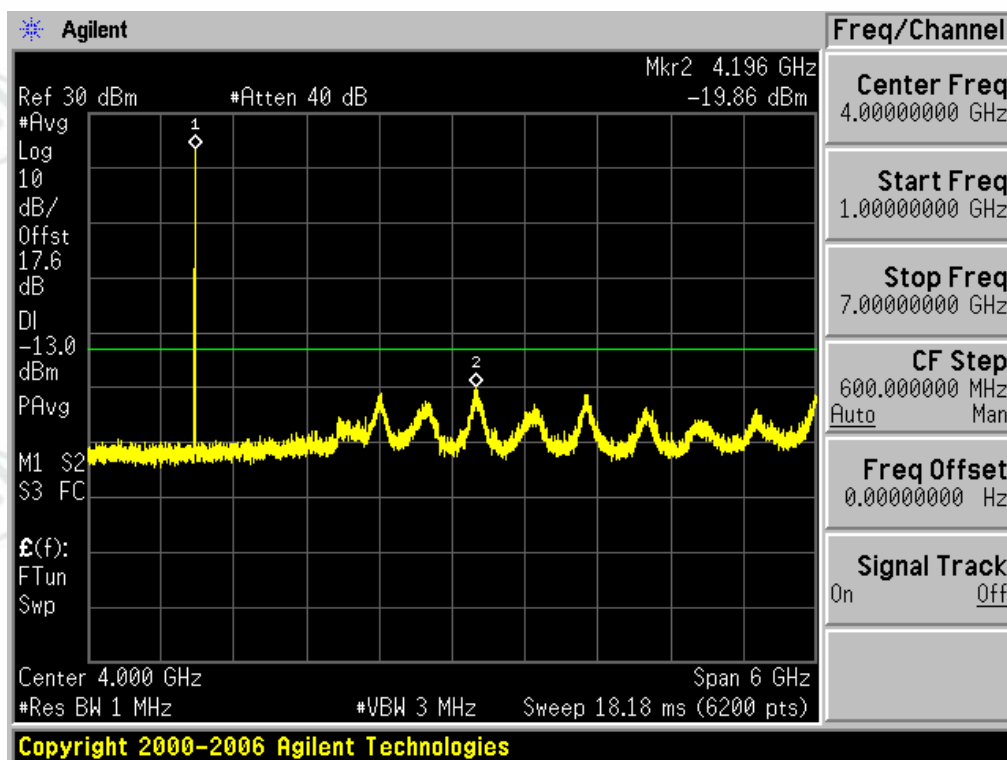
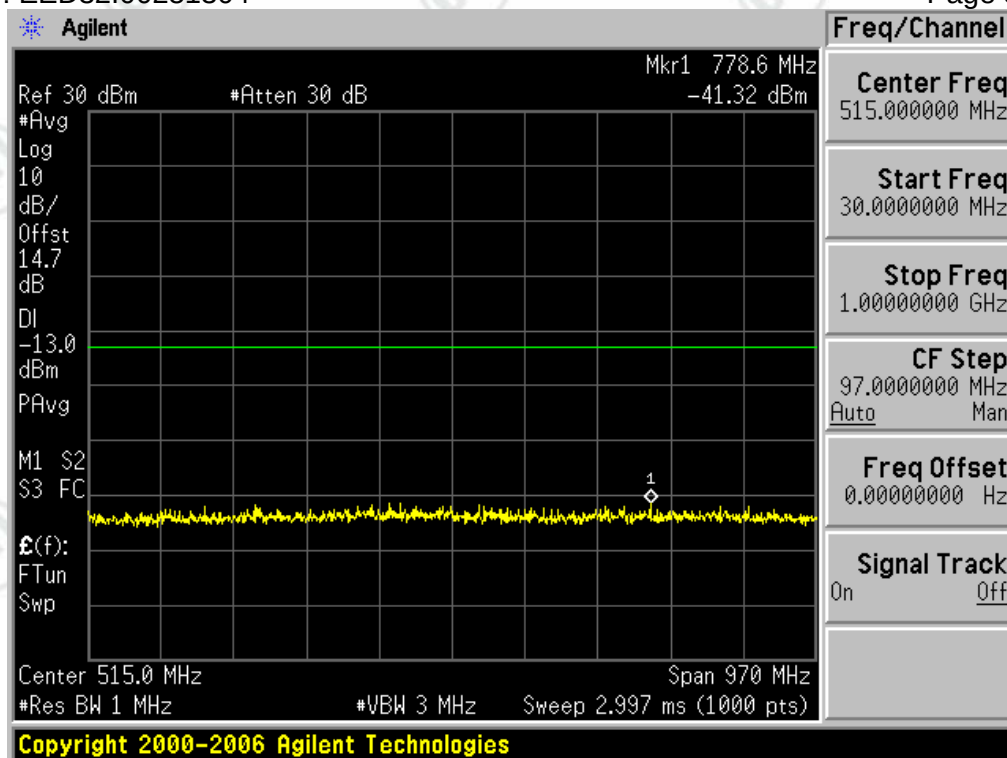


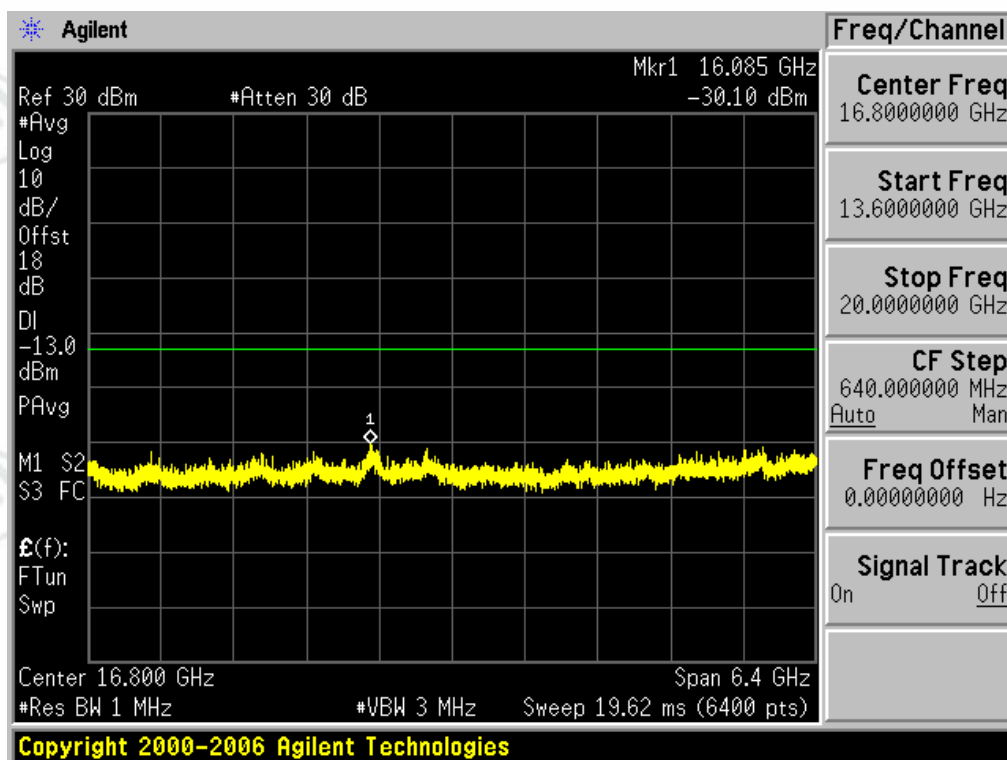
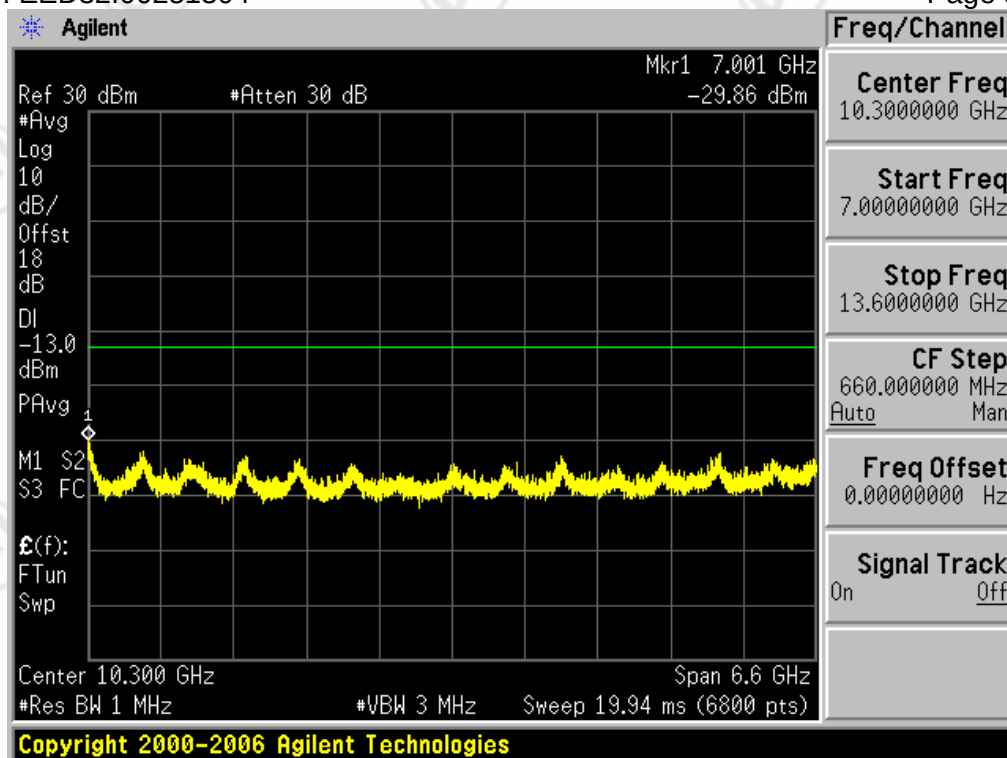




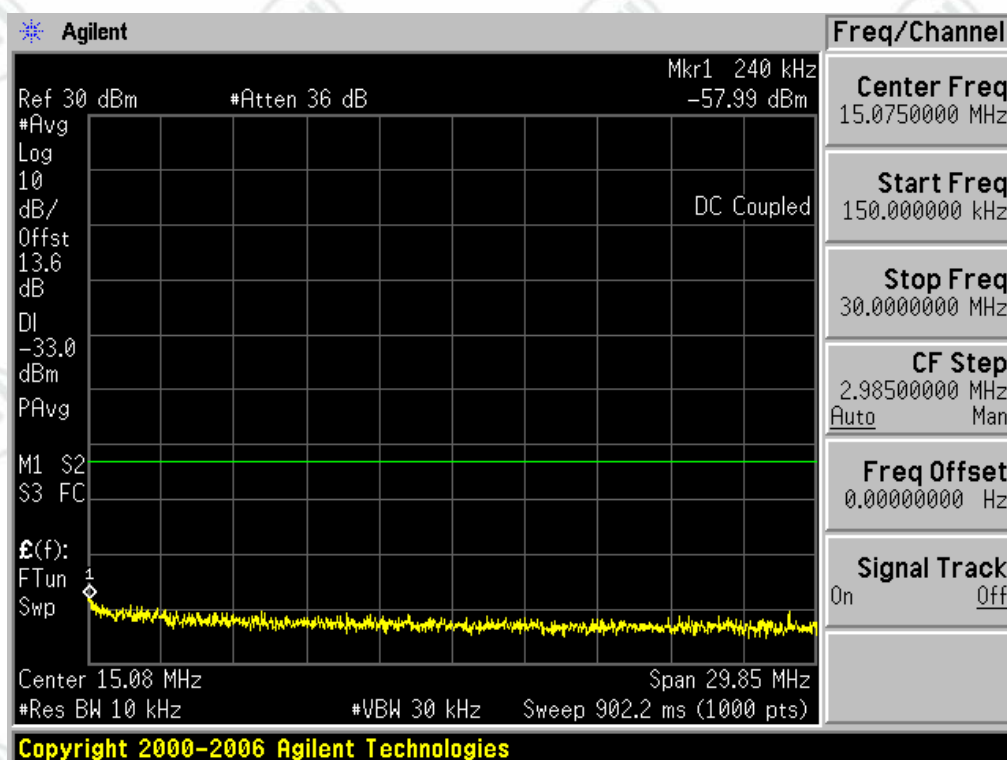
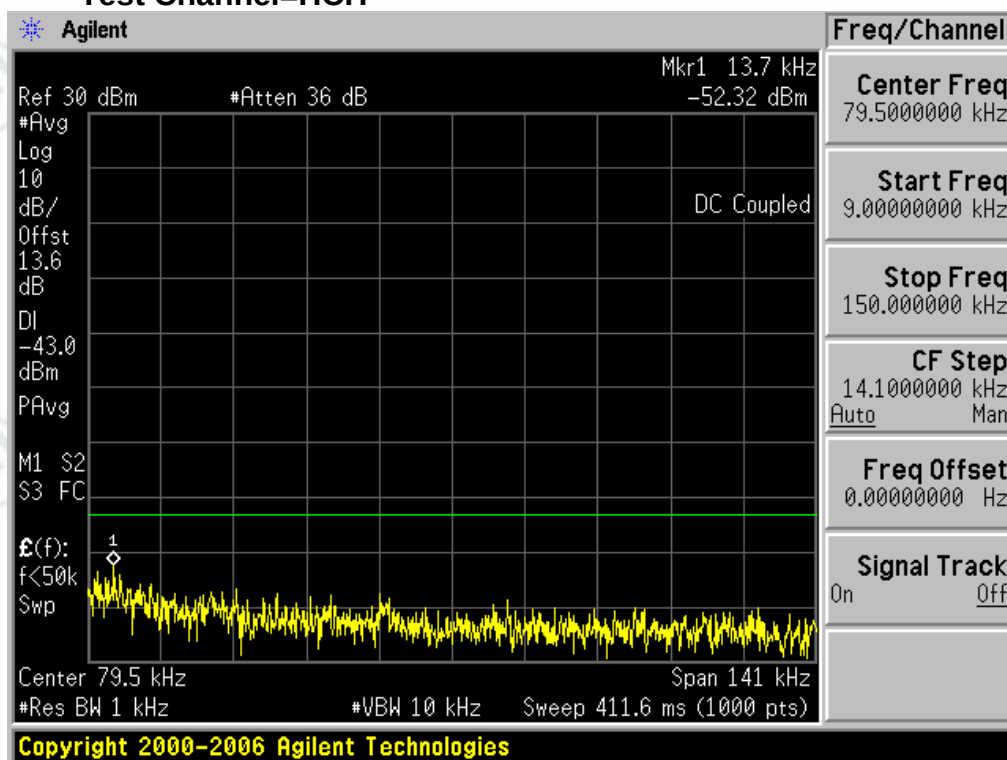
1.1.1.2 Test Channel=MCH

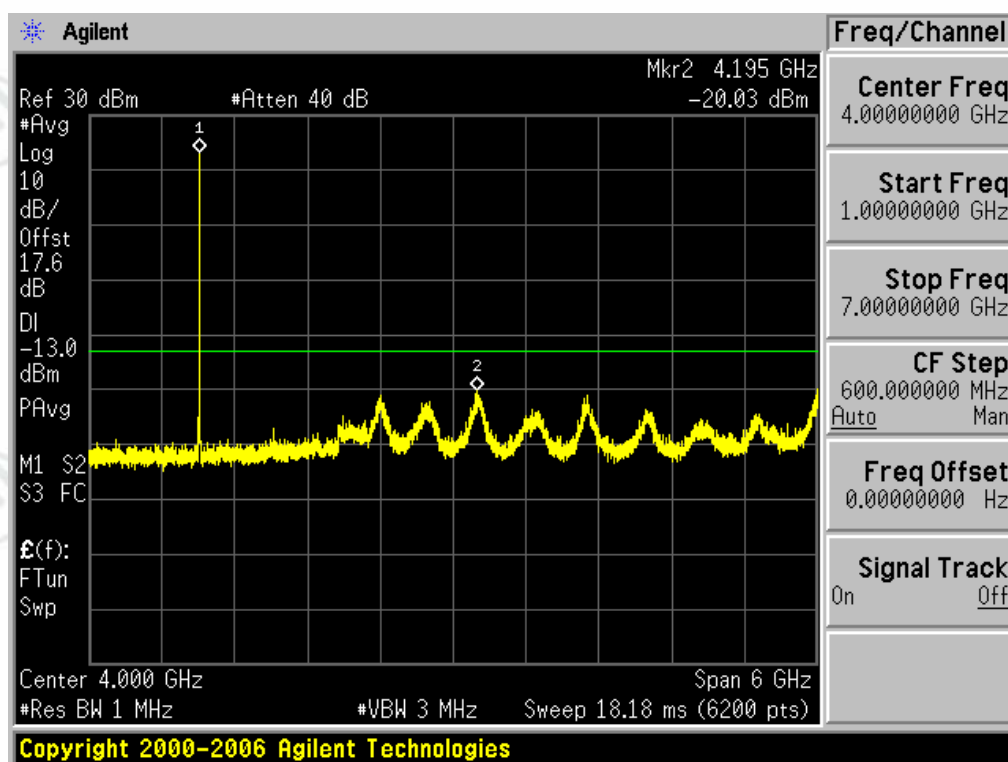
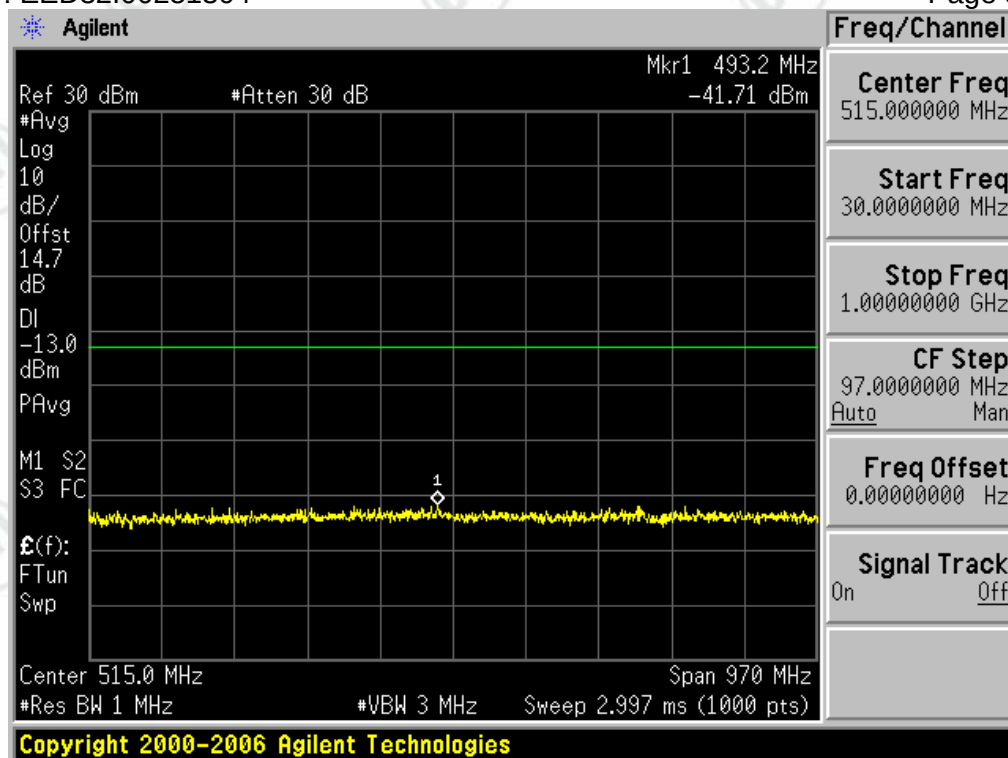


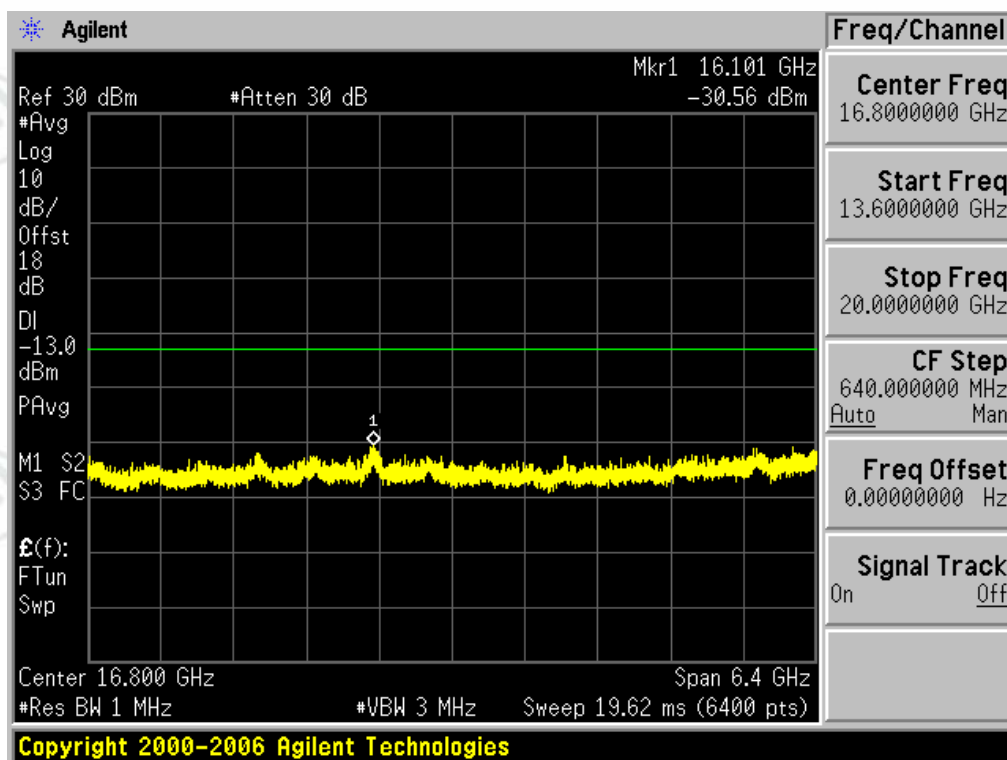
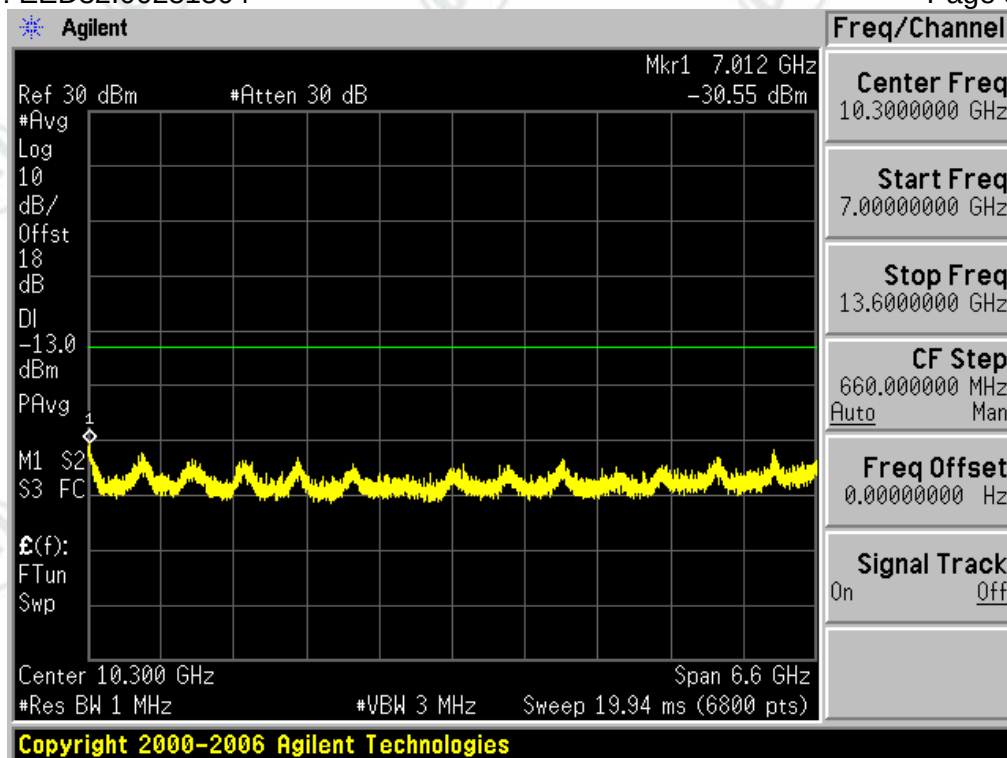




1.1.1.3 Test Channel=HCH

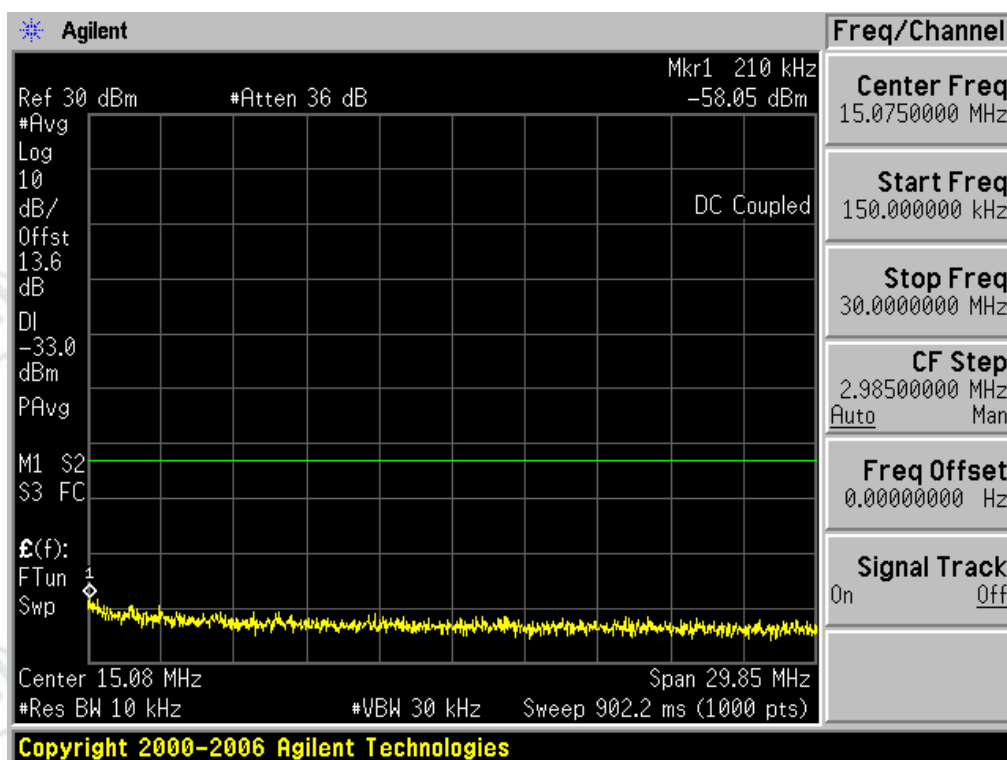
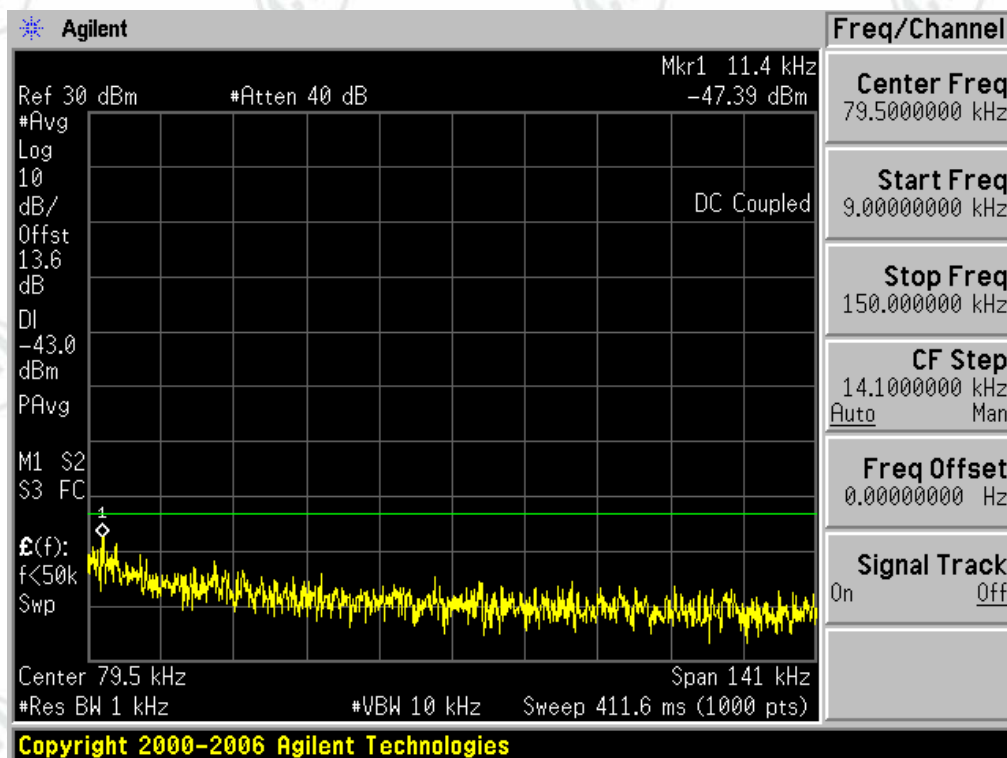


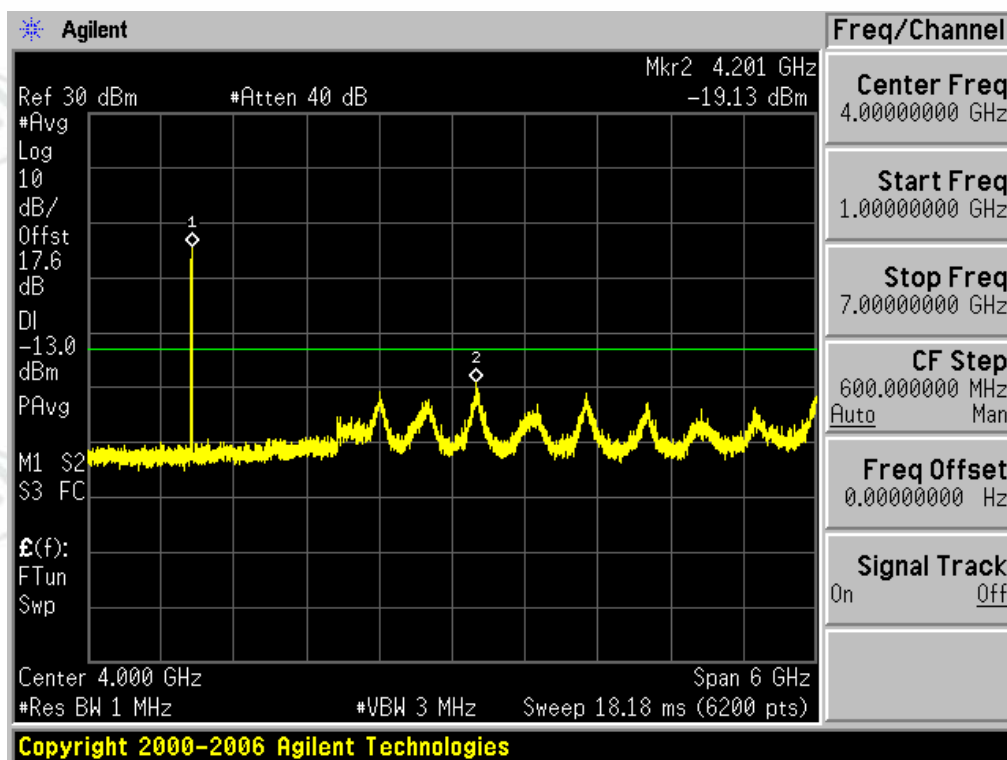
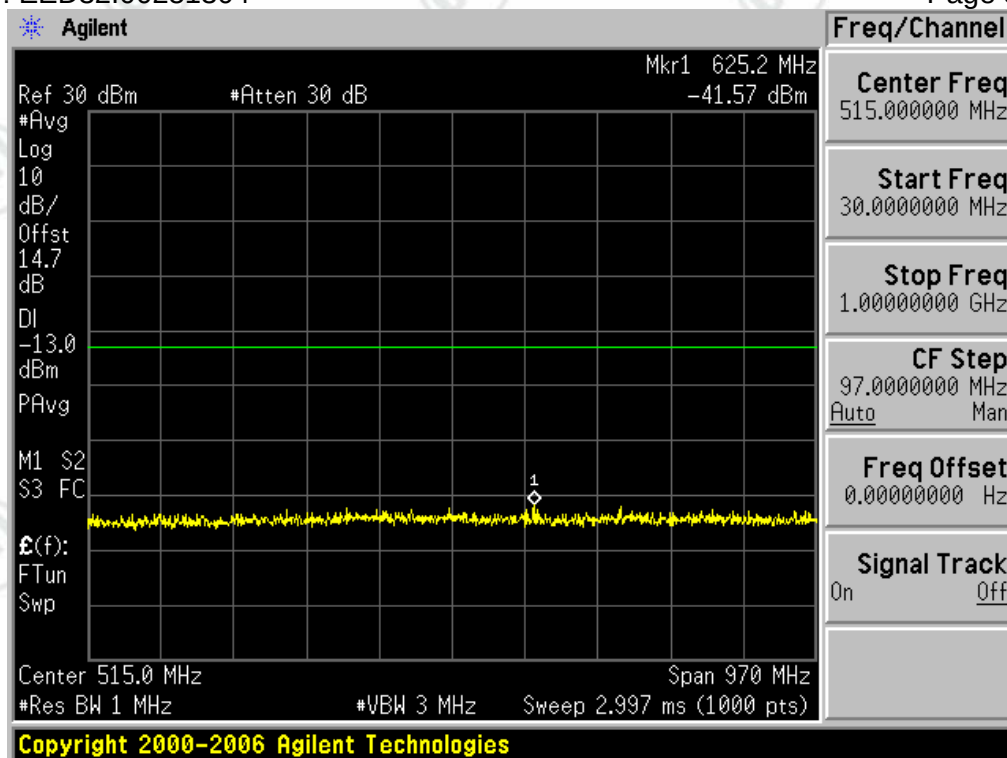


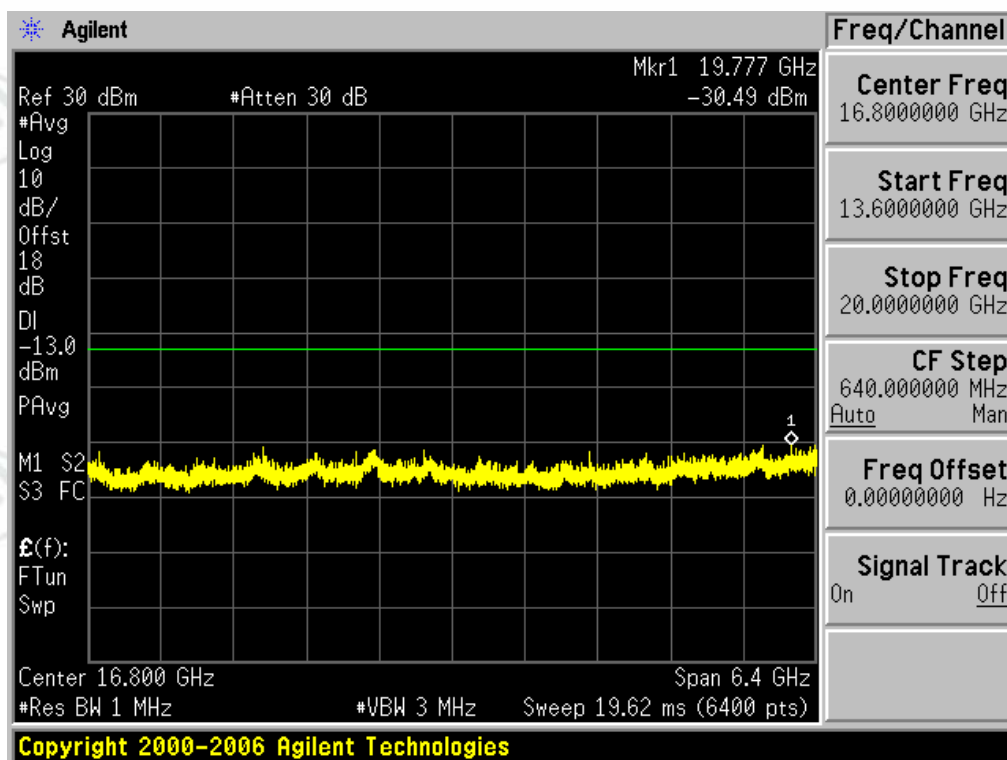
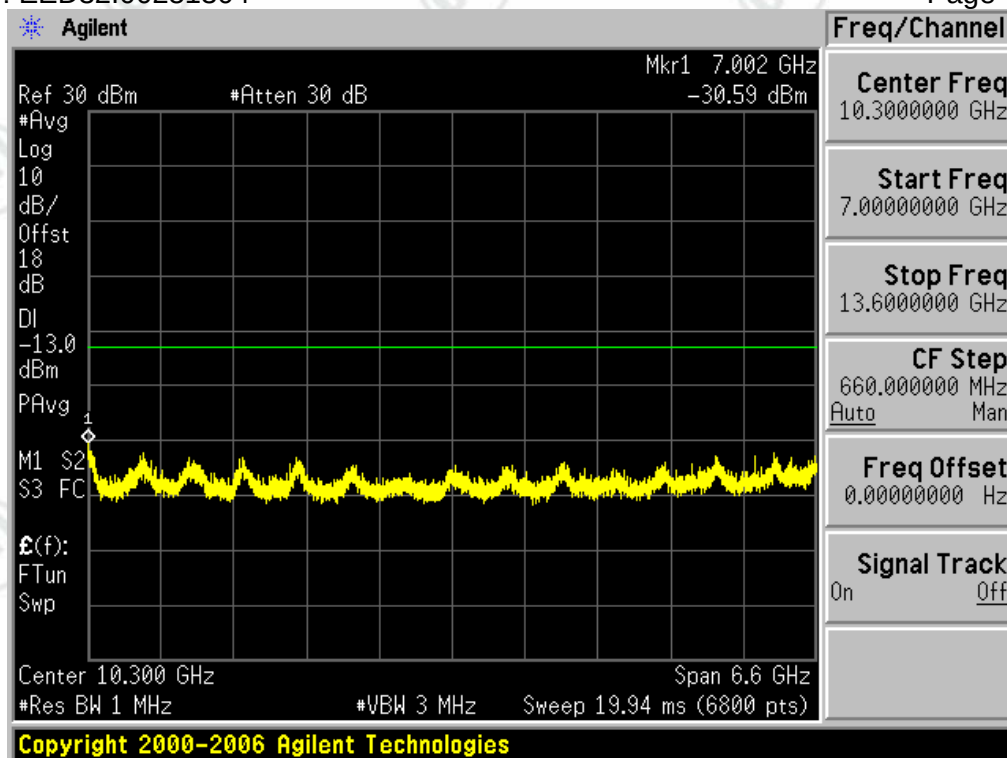


1.1.2 Test Mode=UMTS/TM2

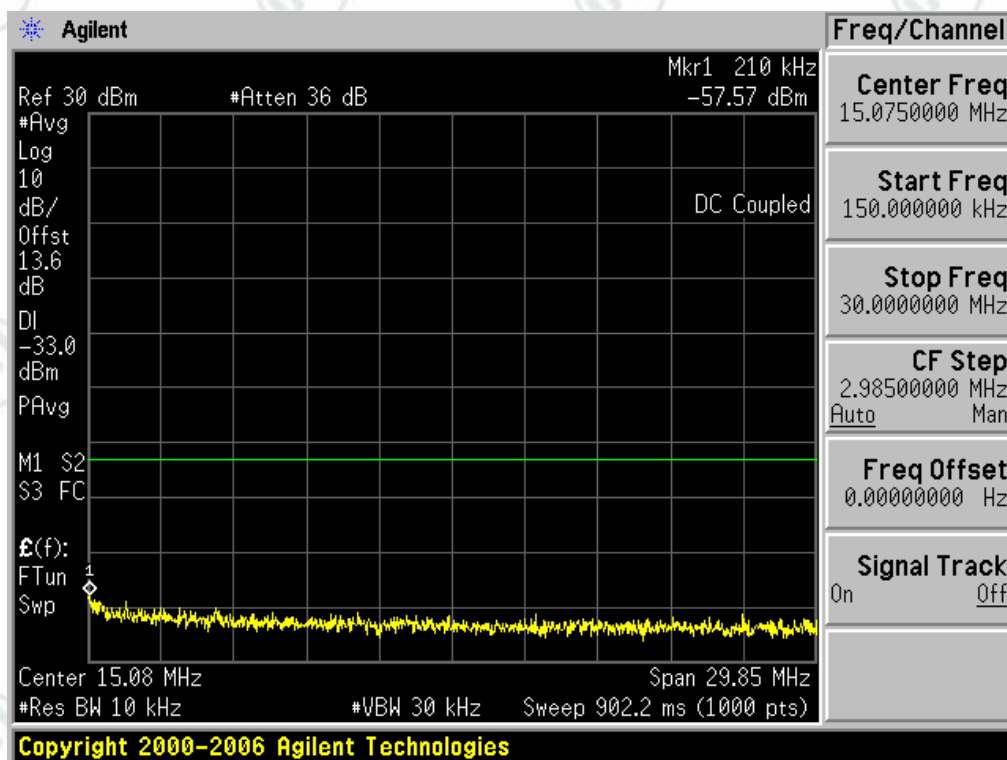
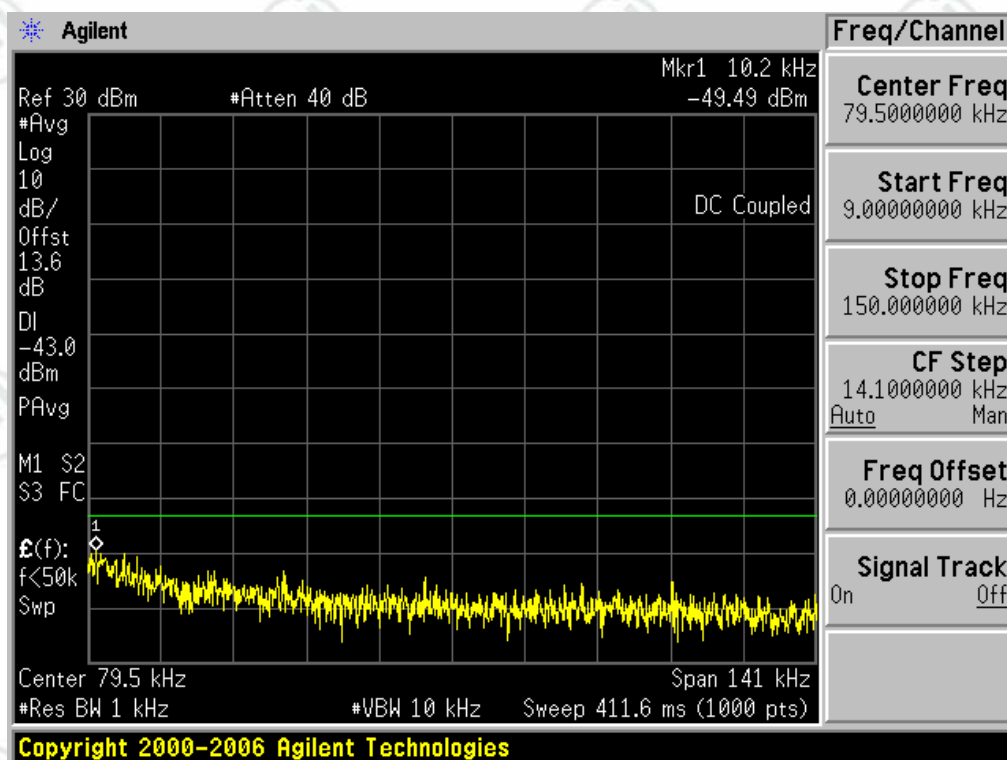
1.1.2.1 Test Channel=LCH

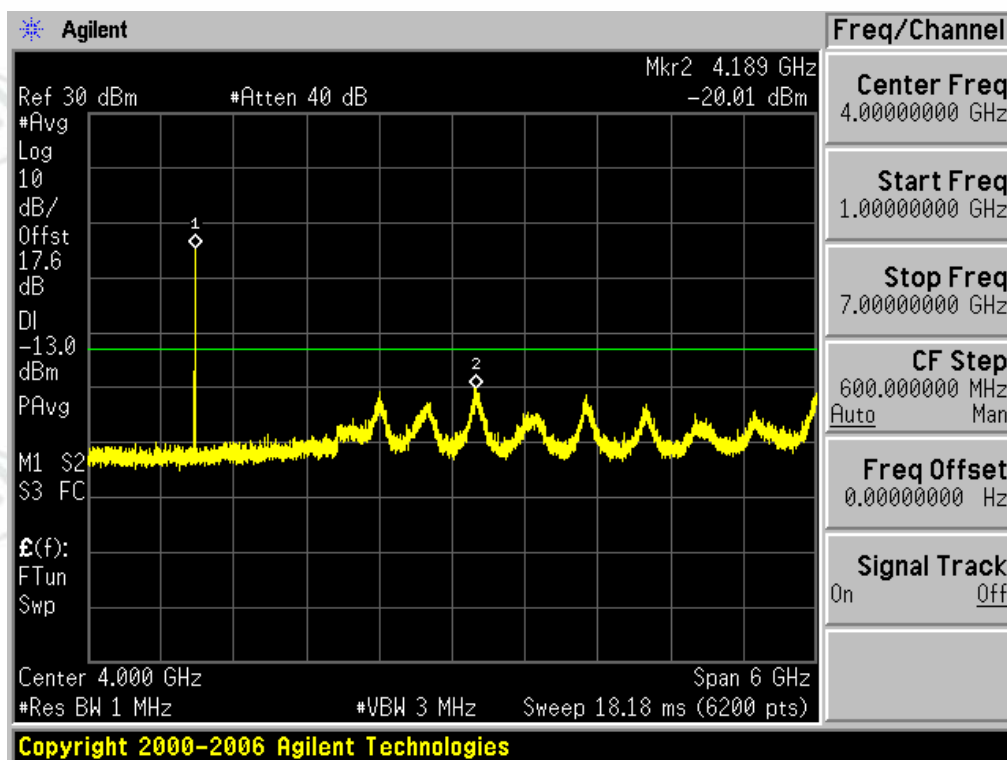
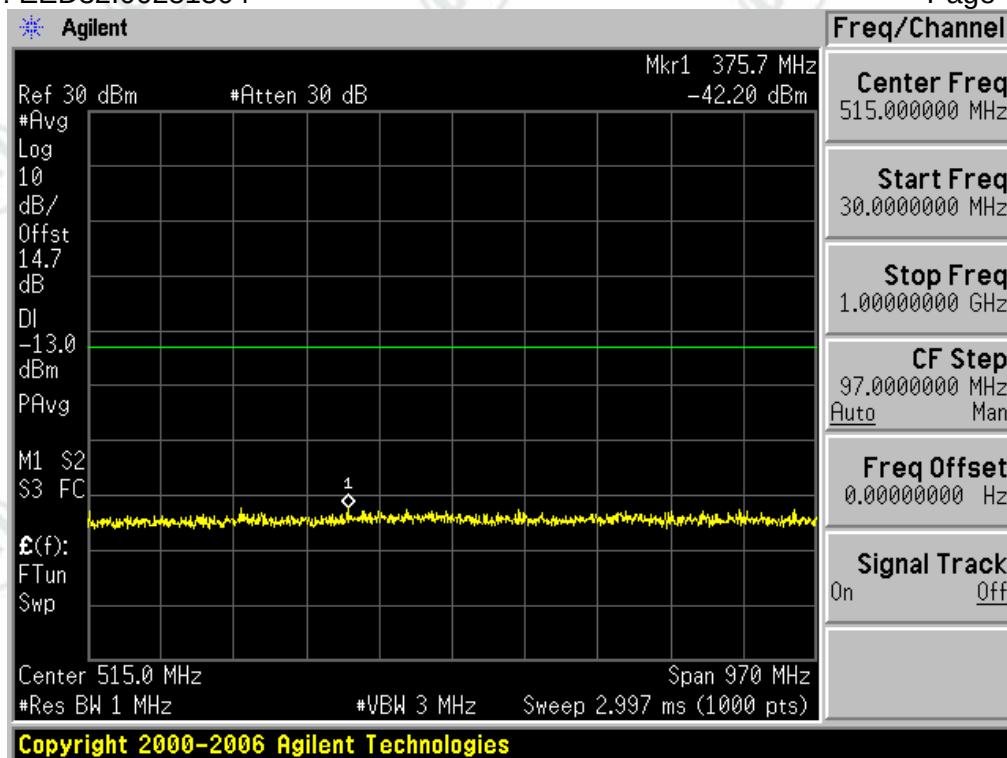


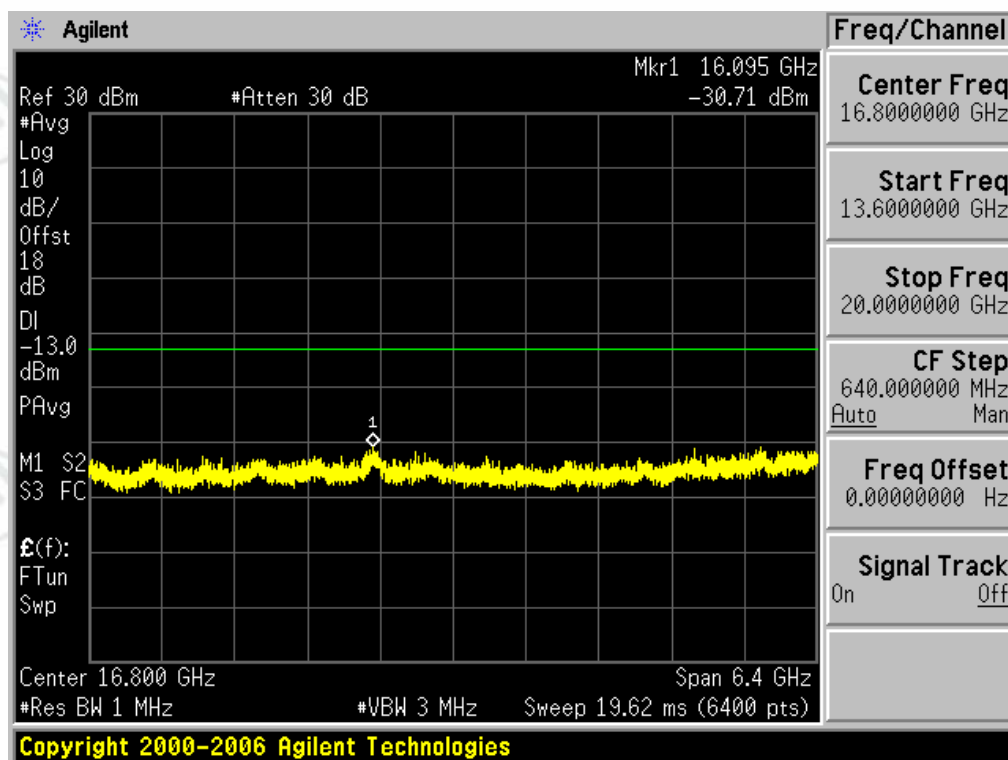
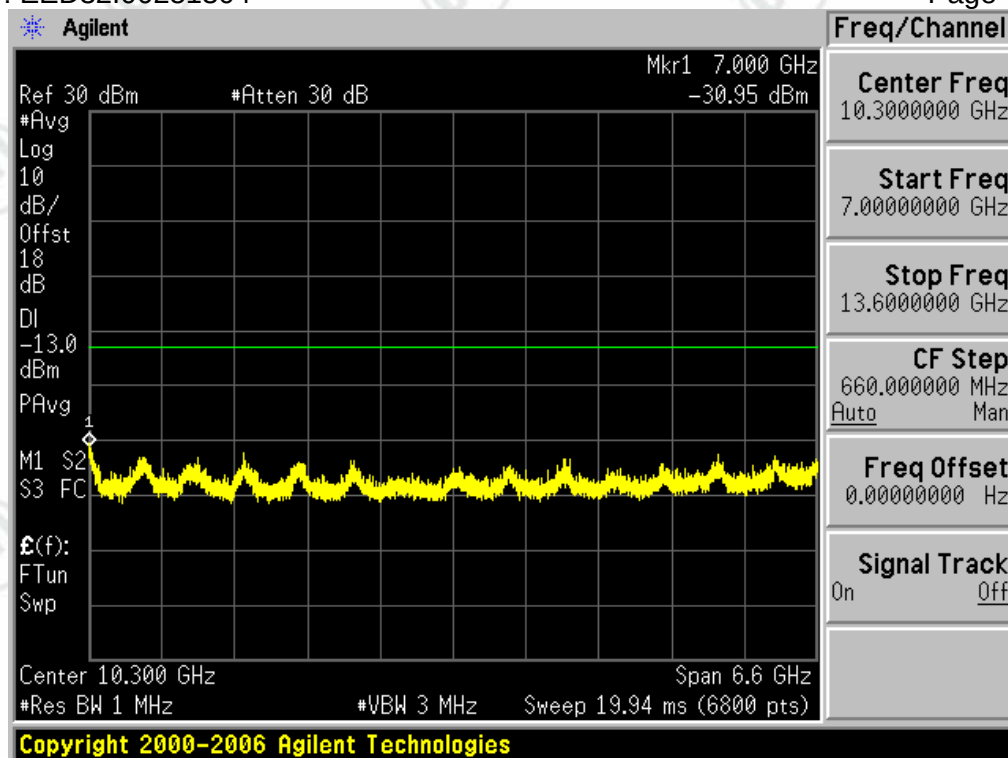




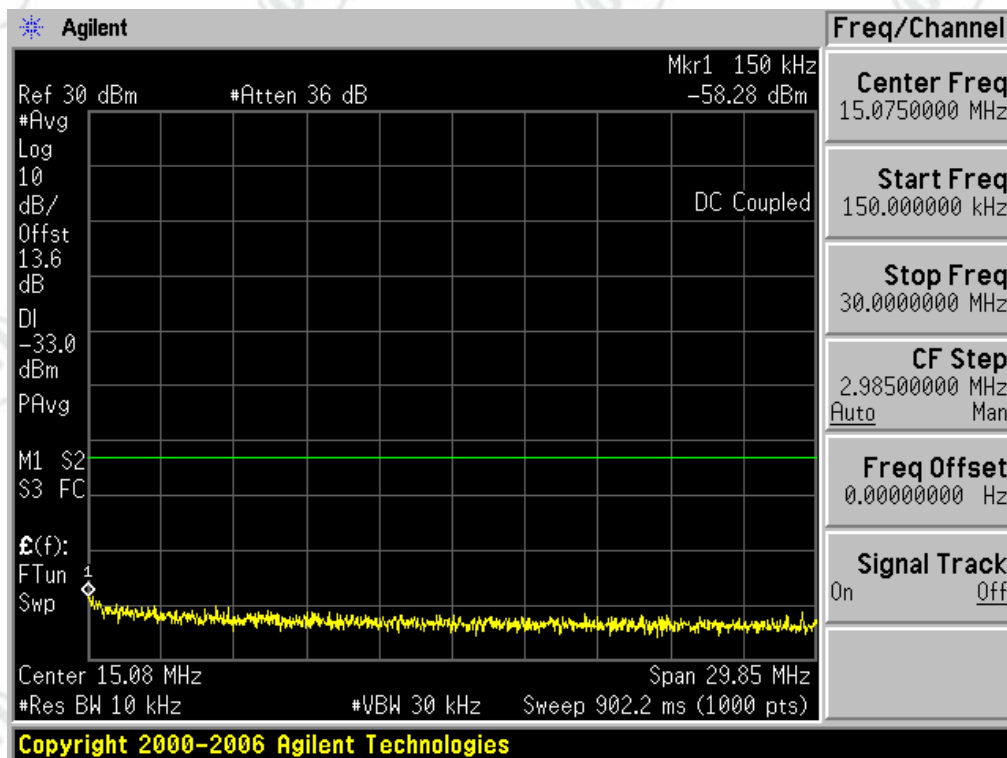
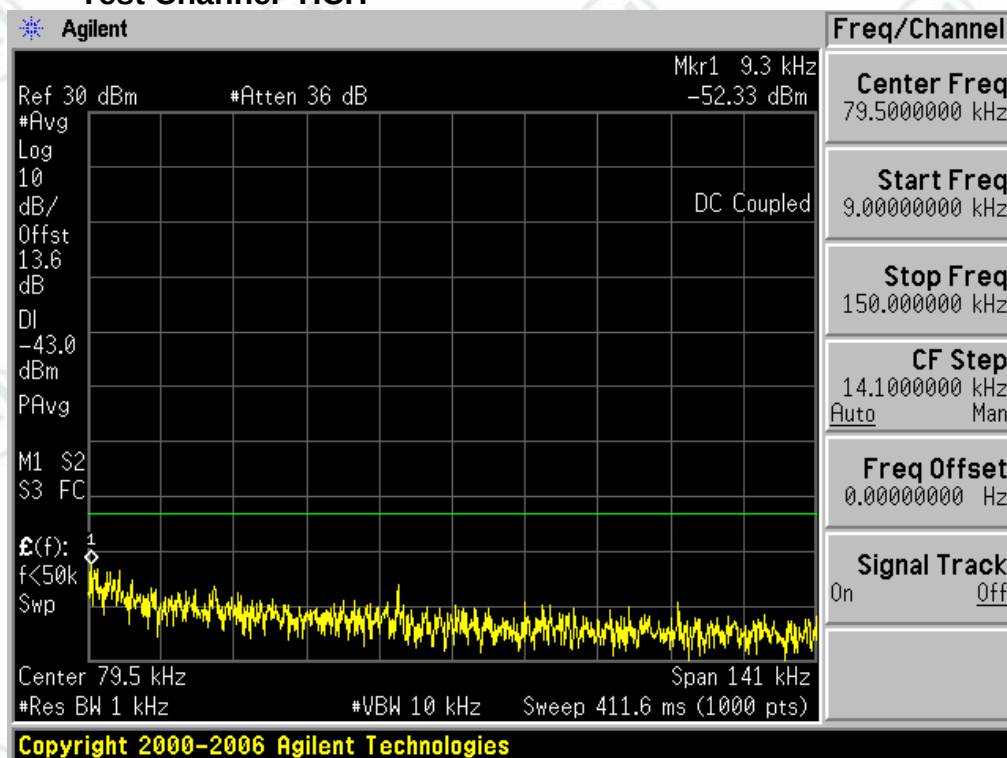
1.1.2.2 Test Channel=MCH

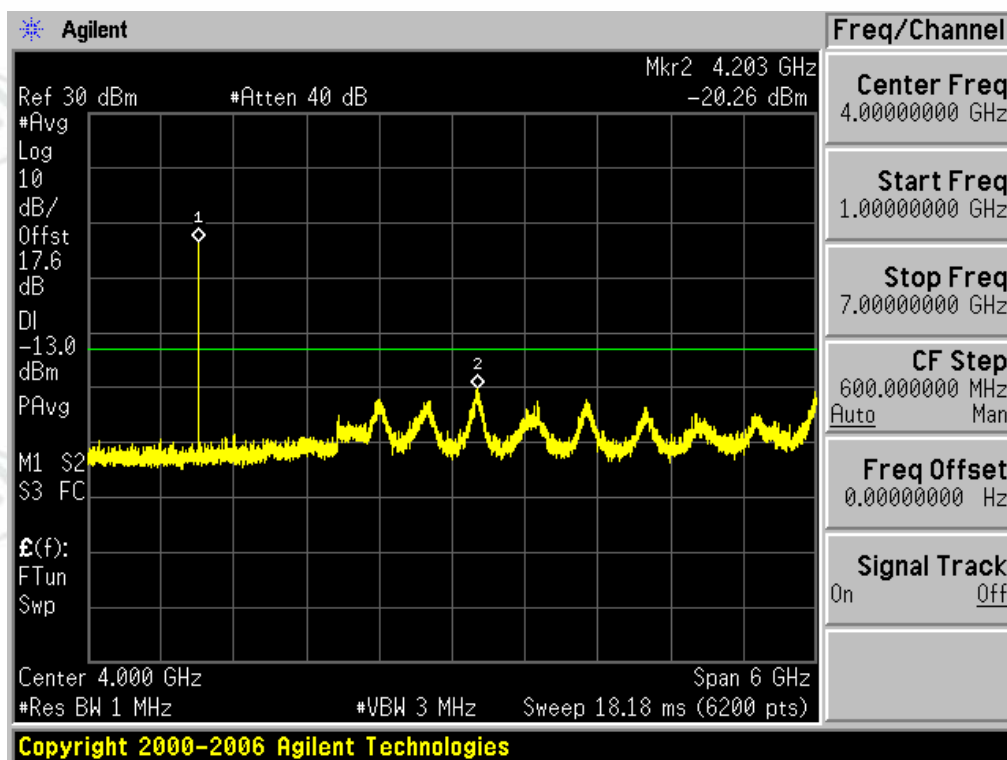
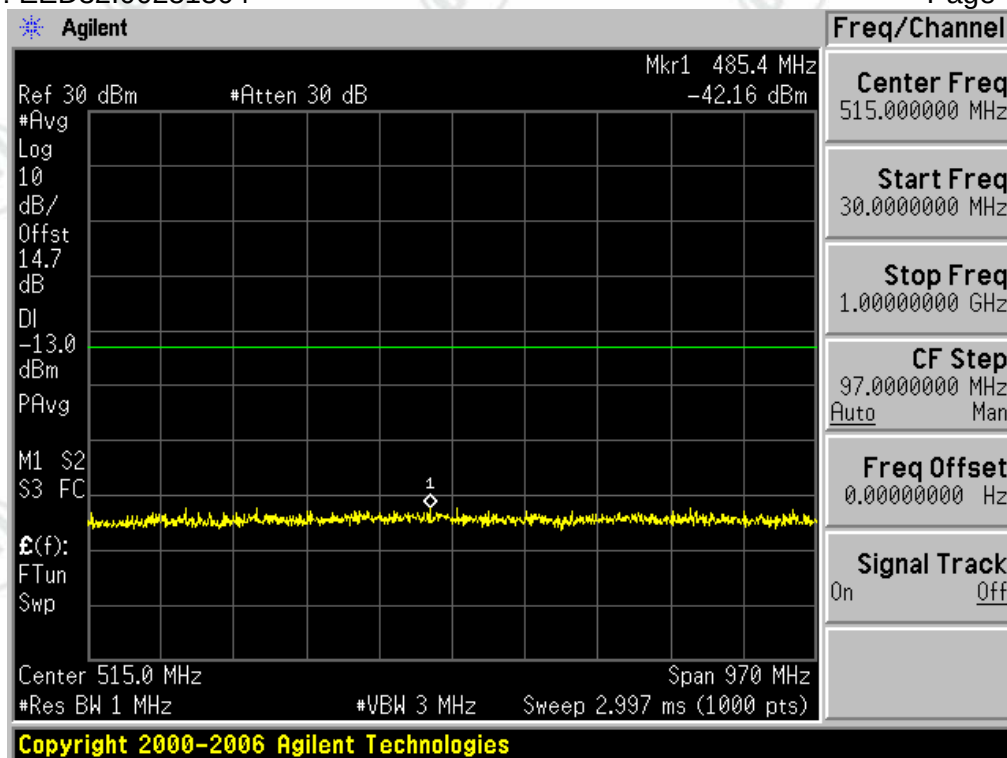


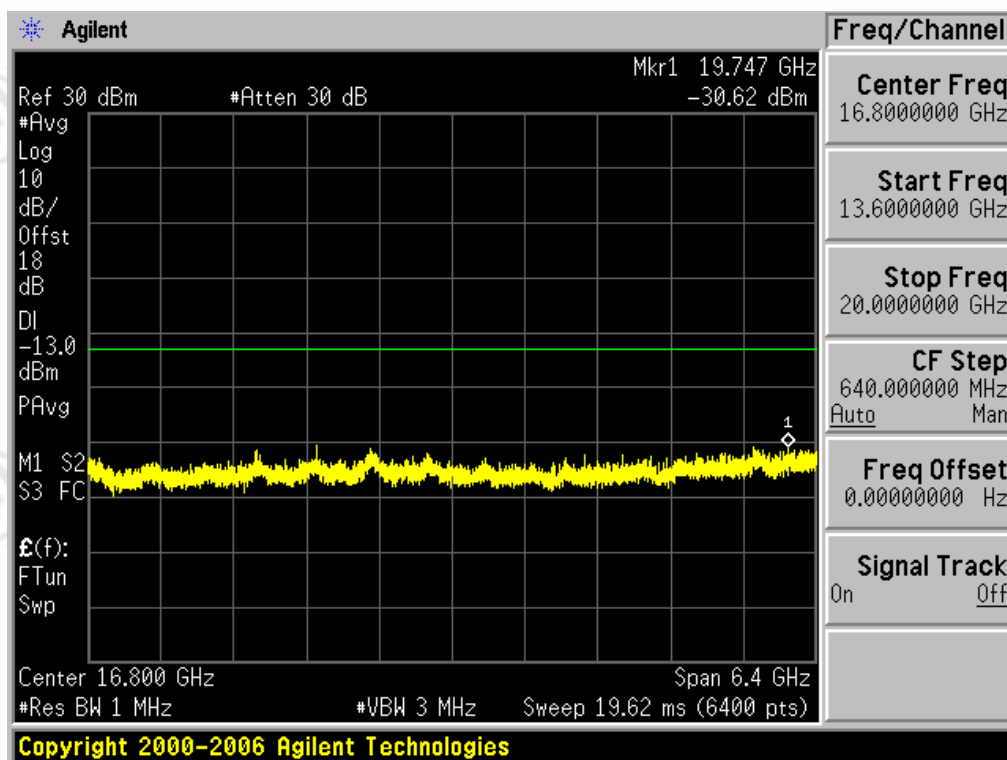
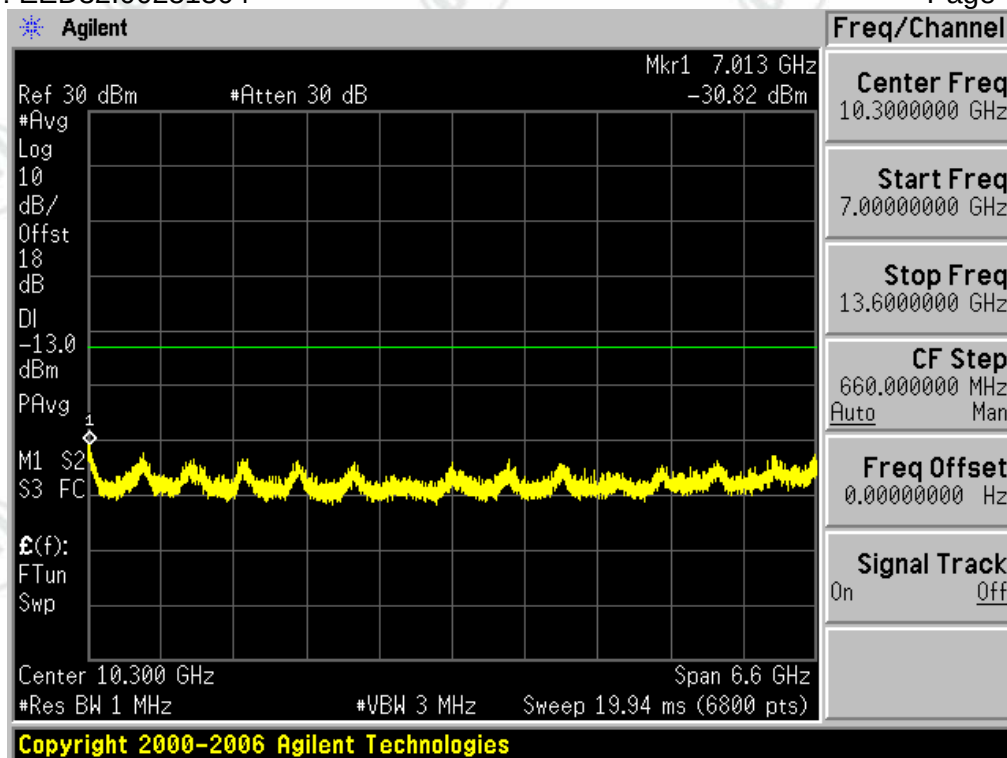




1.1.2.3 Test Channel=HCH

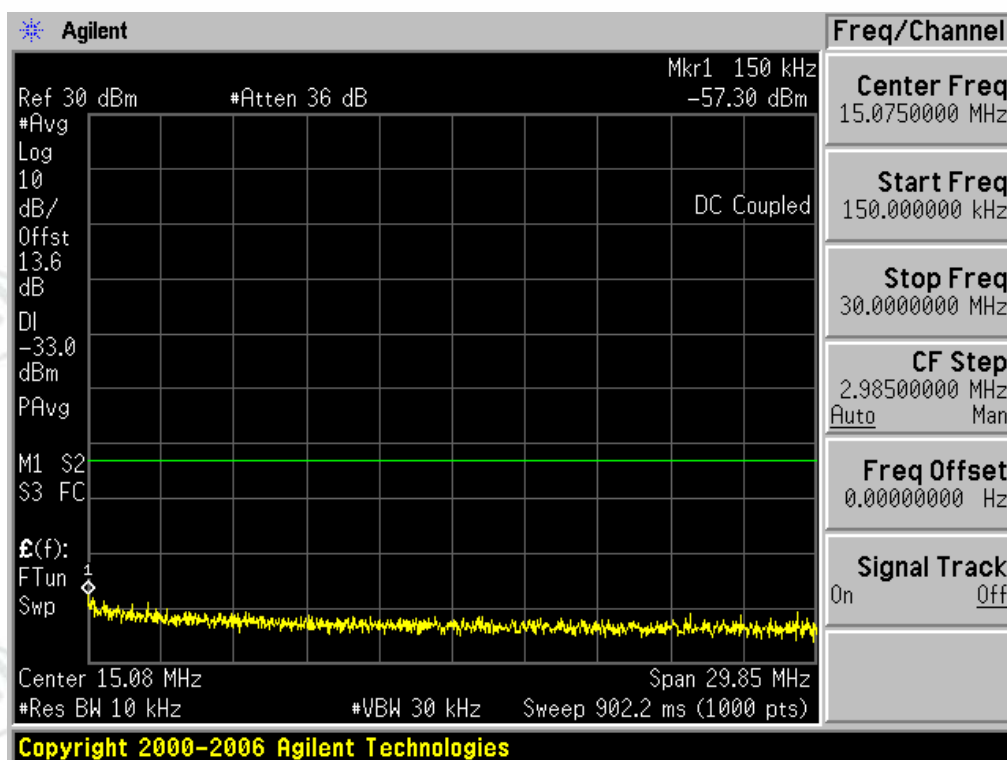
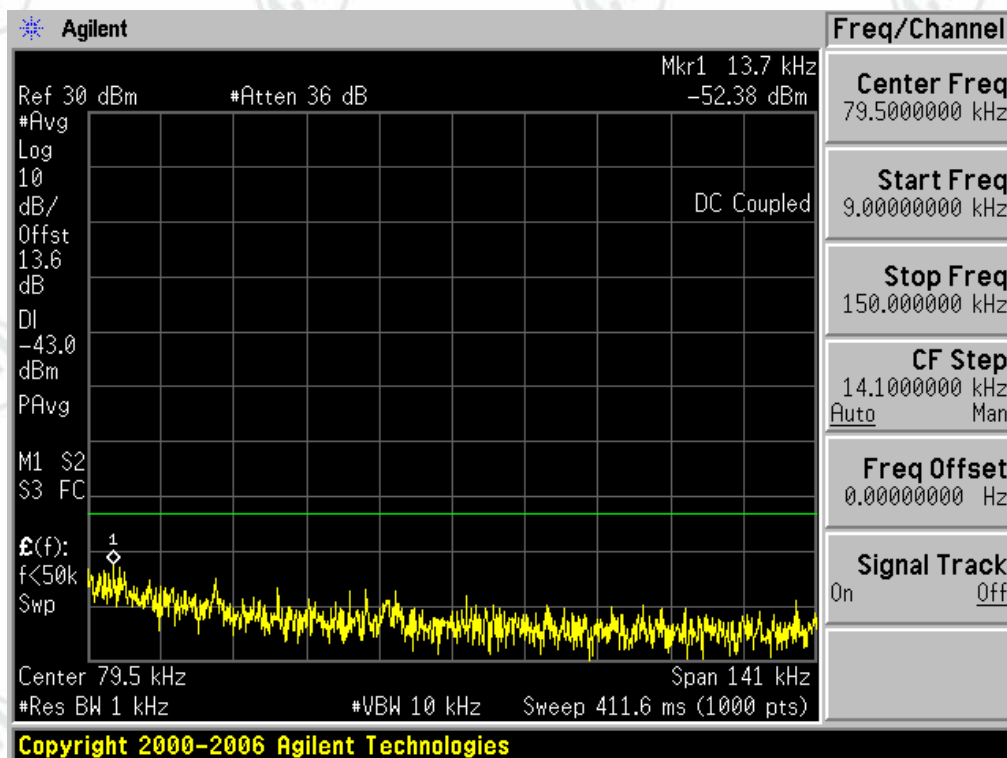


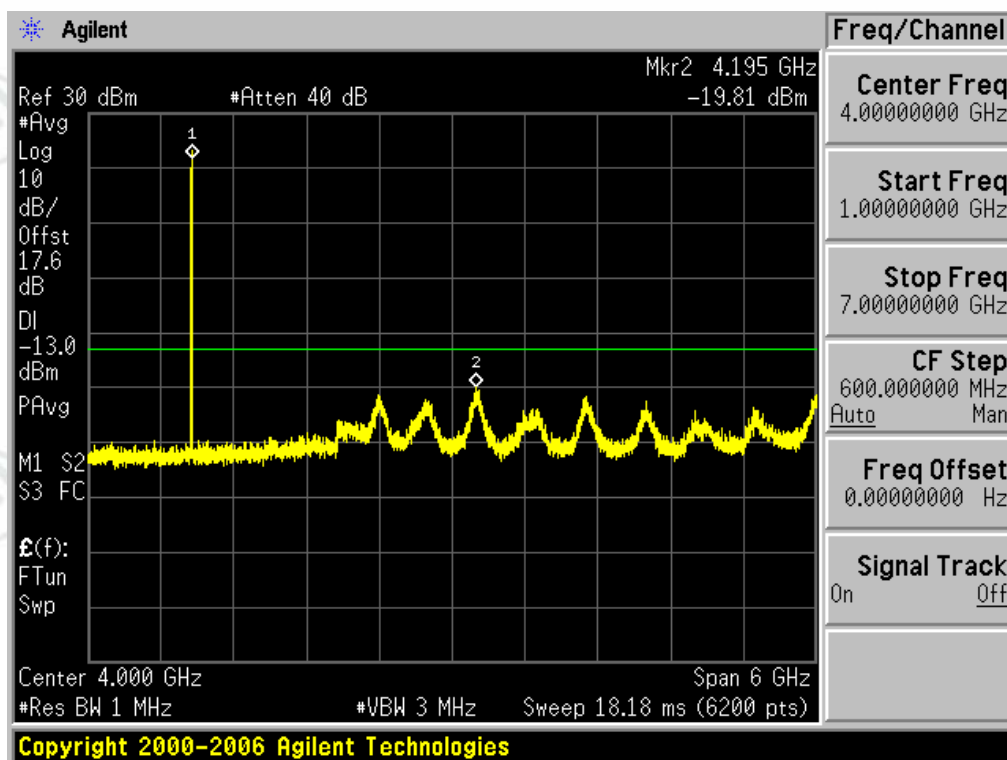
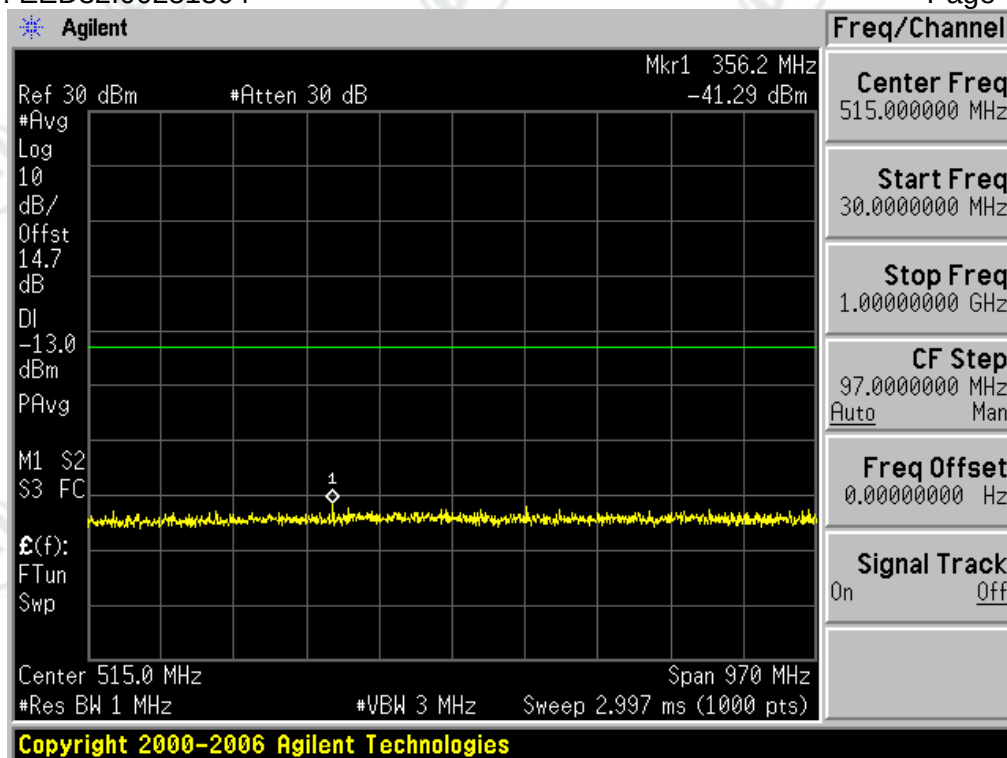


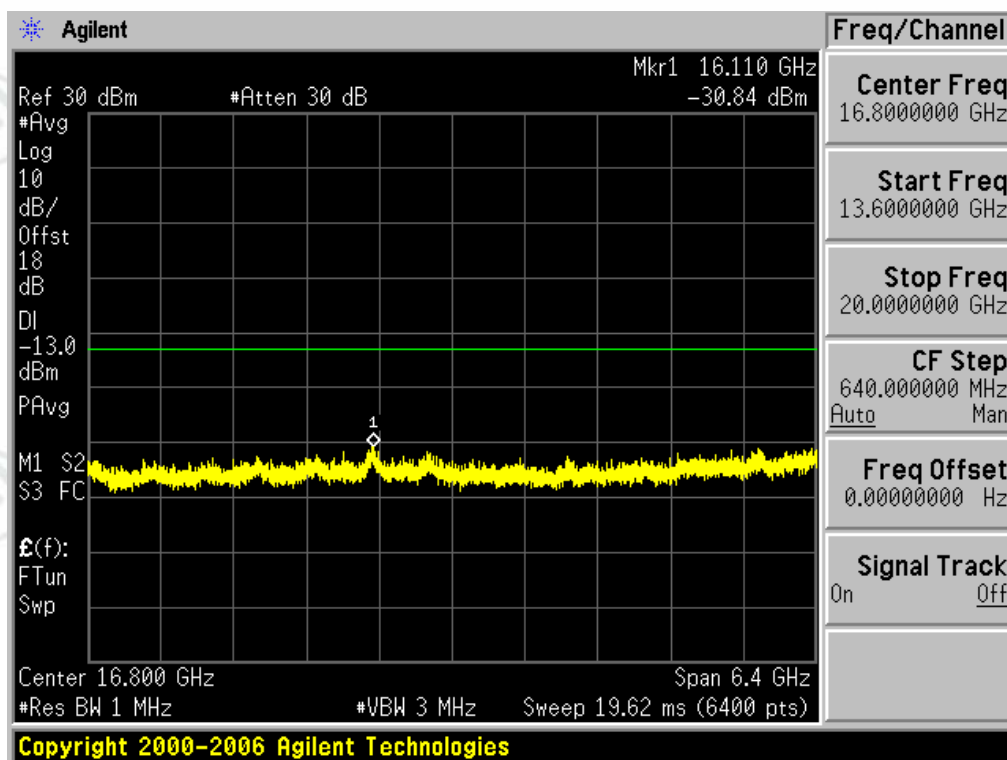
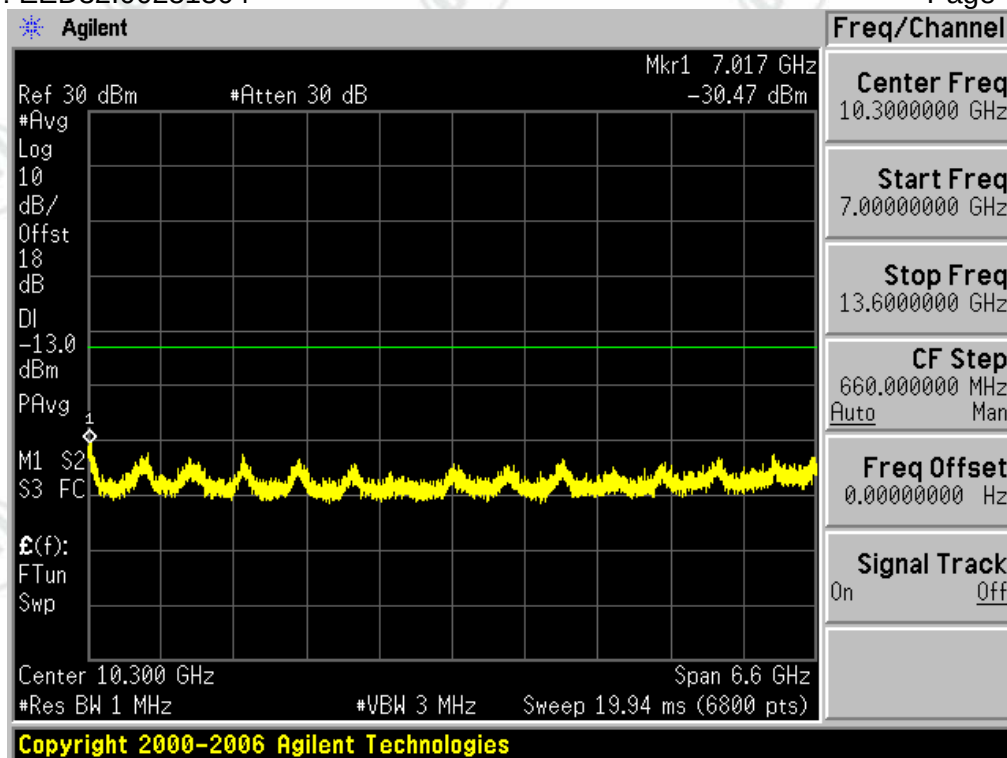


1.1.3 Test Mode=UMTS/TM3

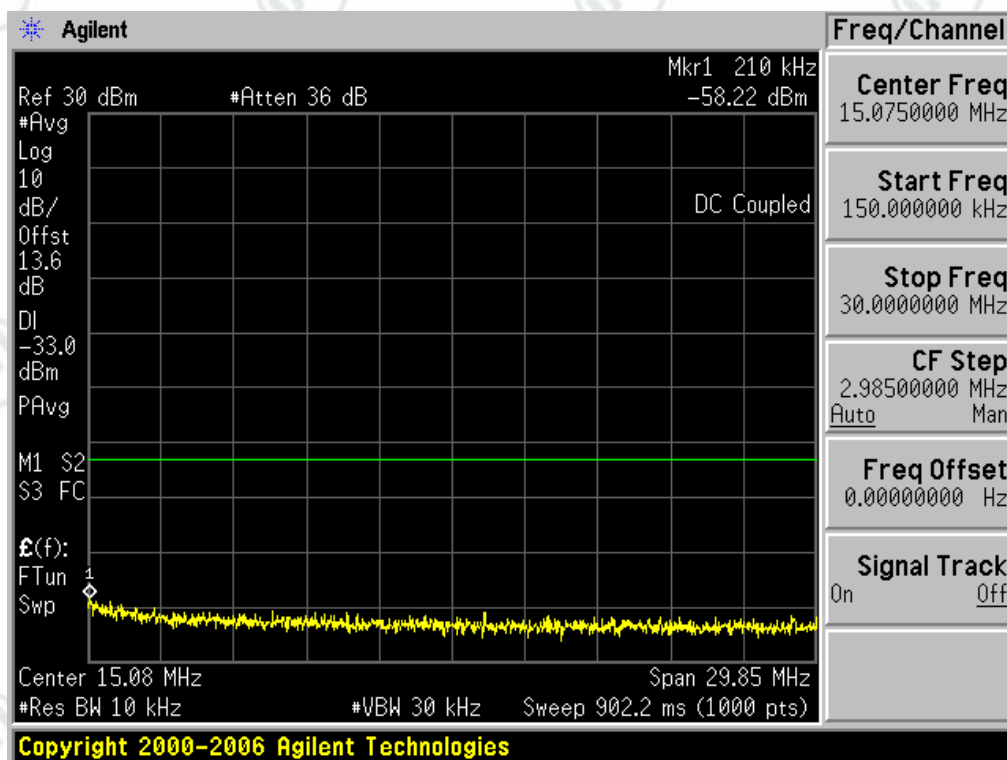
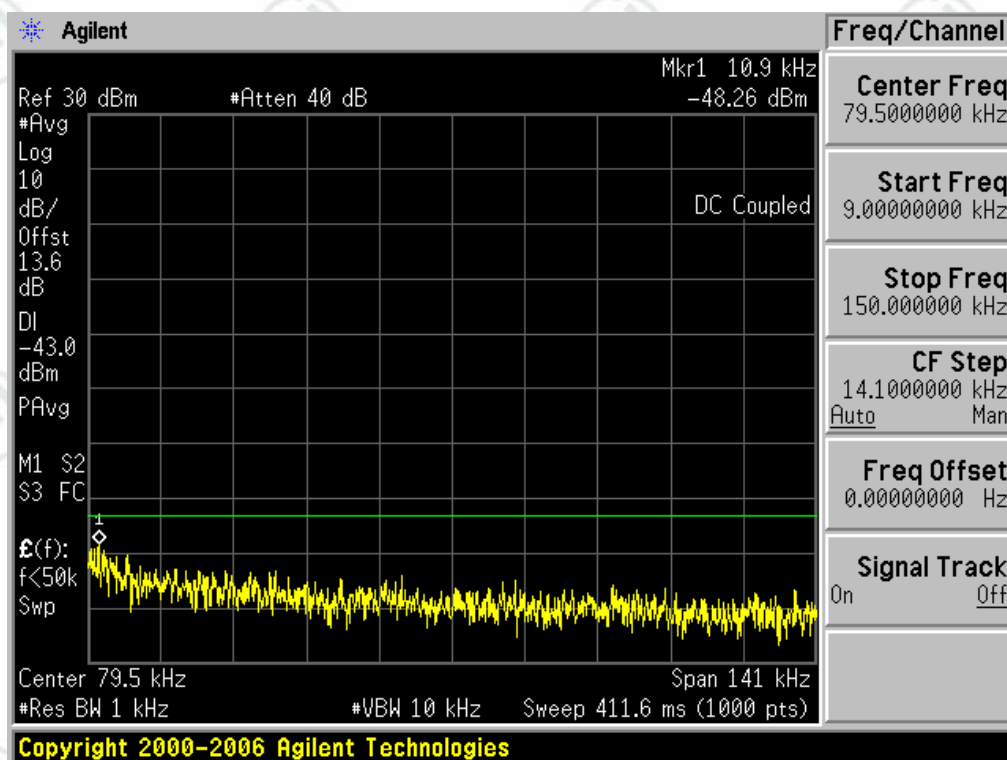
1.1.3.1 Test Channel=LCH

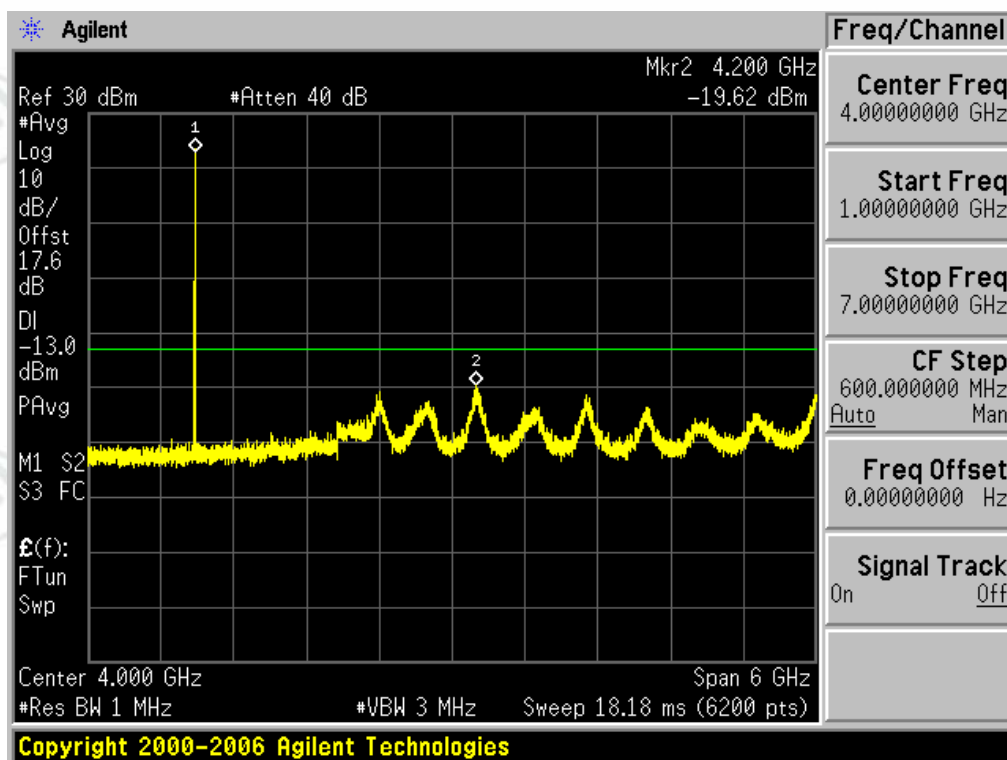
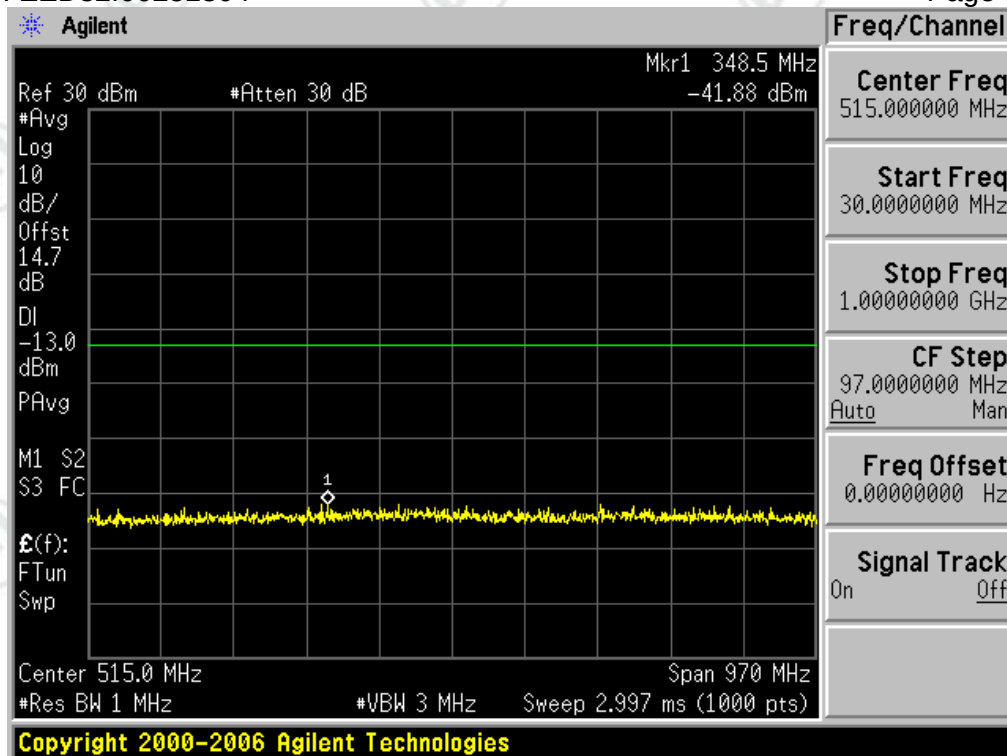


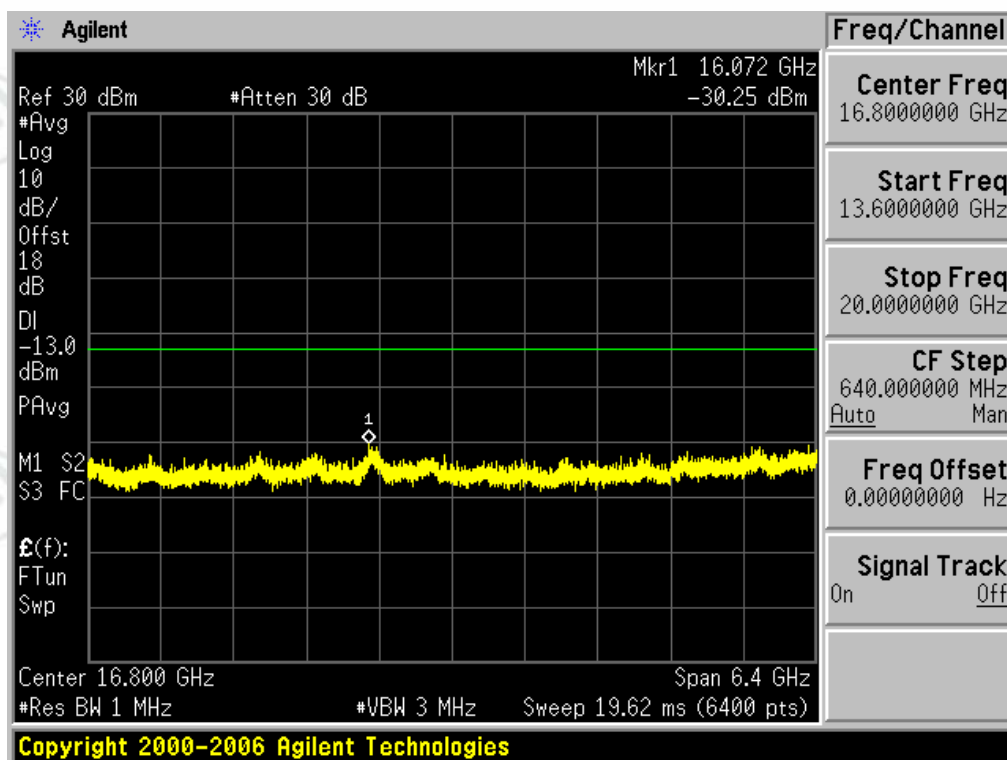
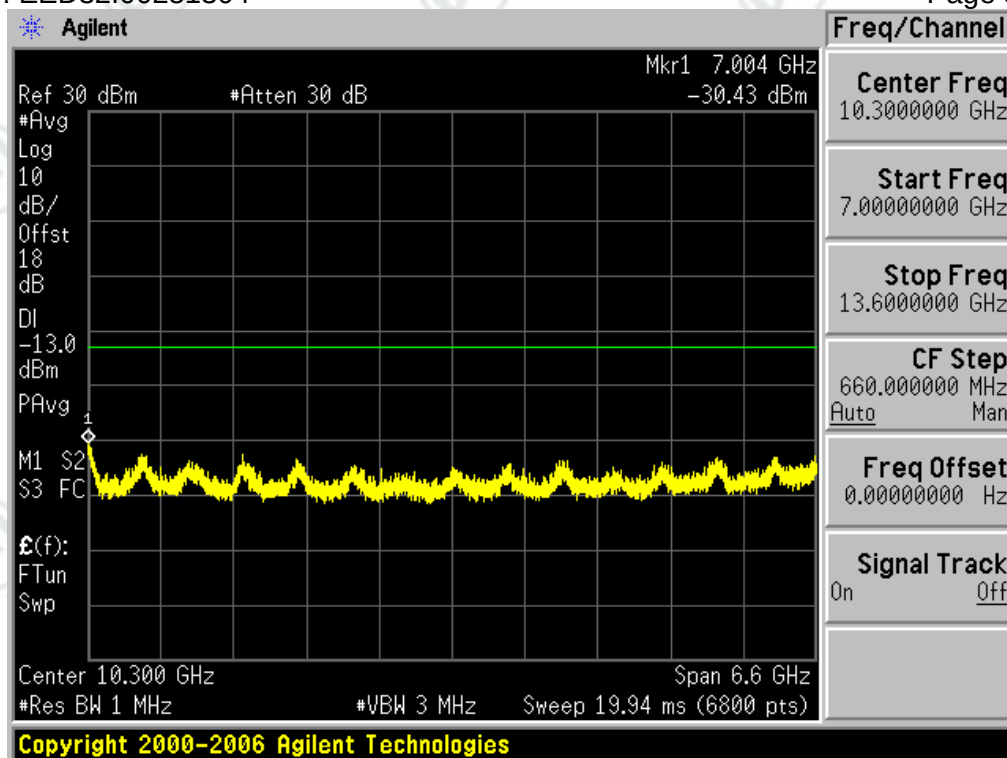




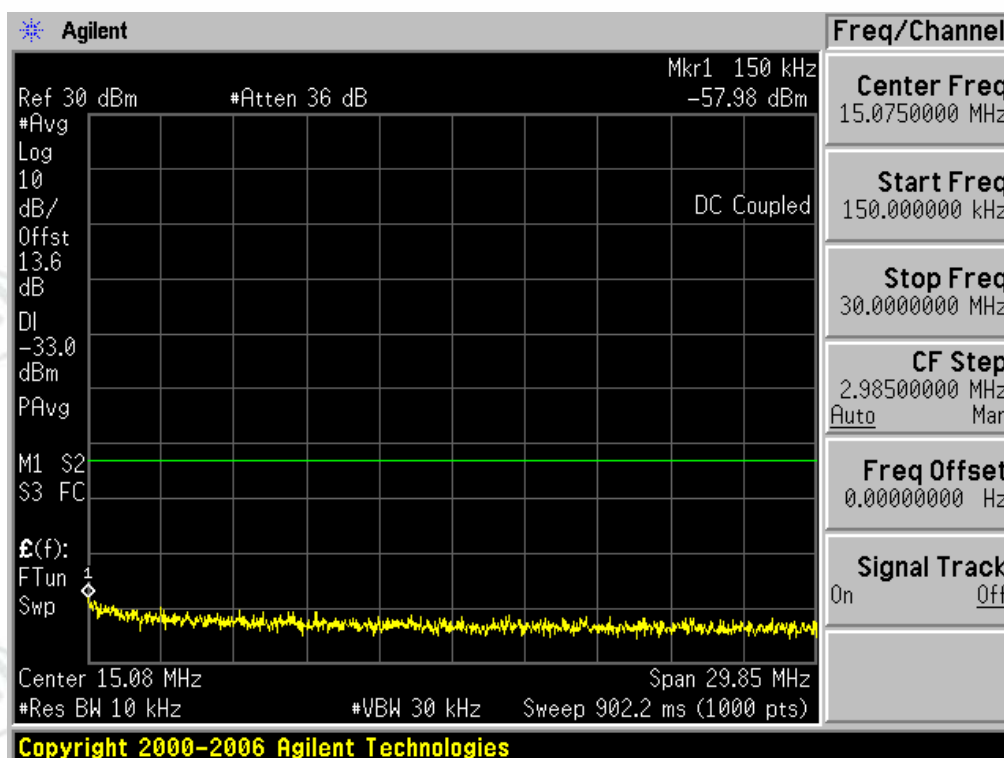
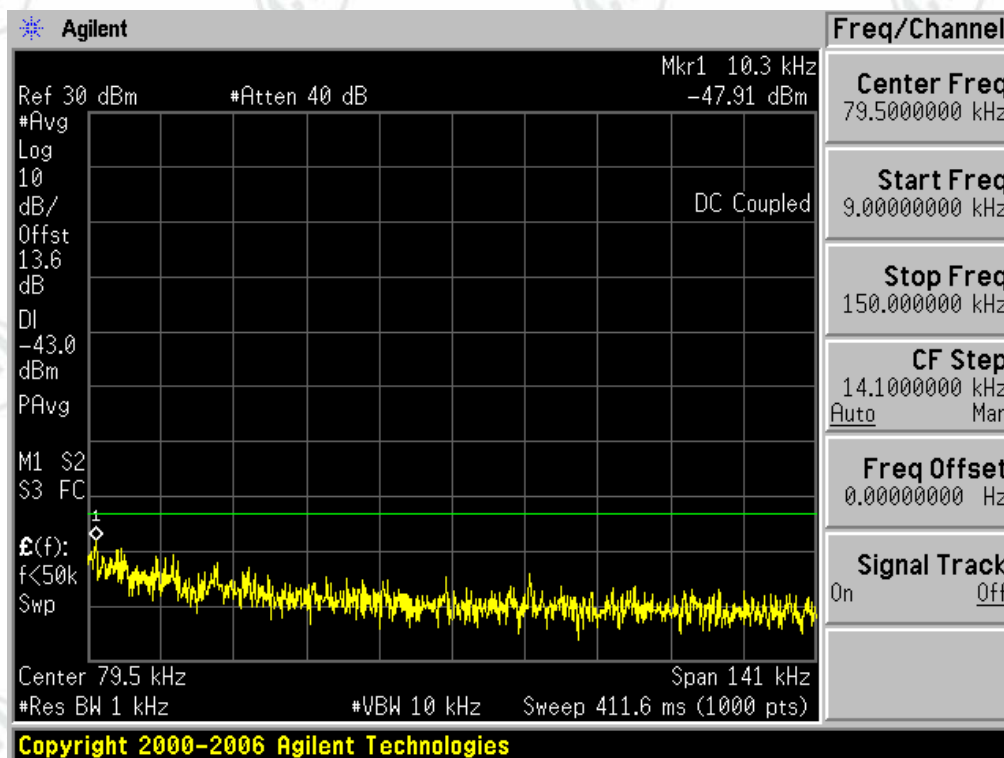
1.1.3.2 Test Channel=MCH

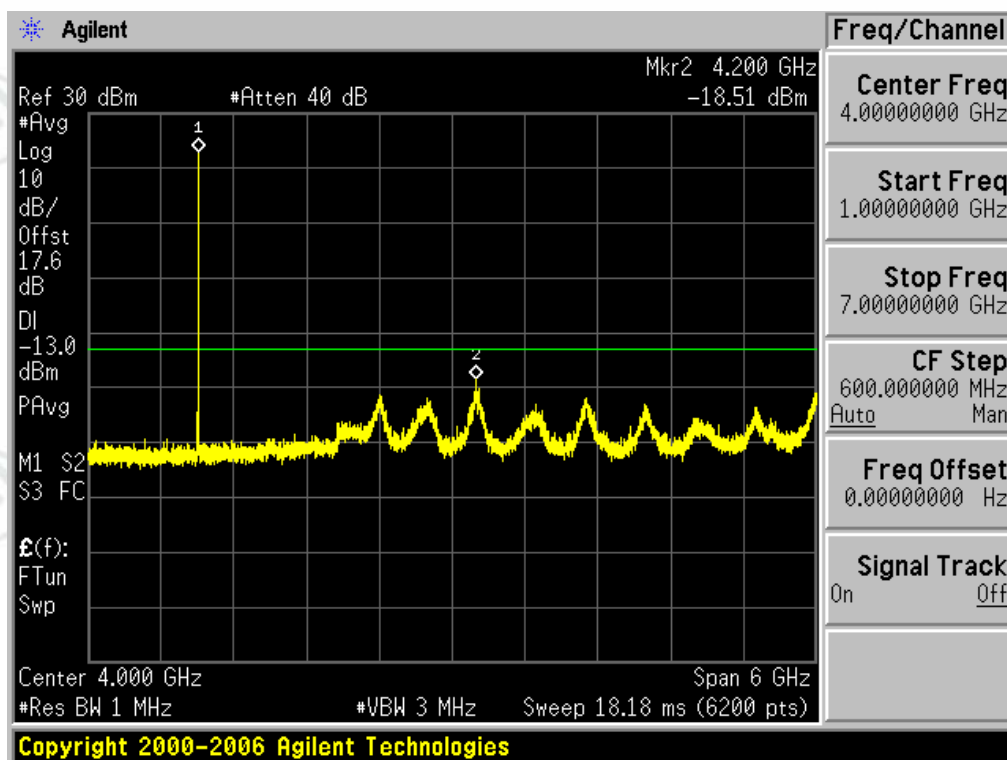
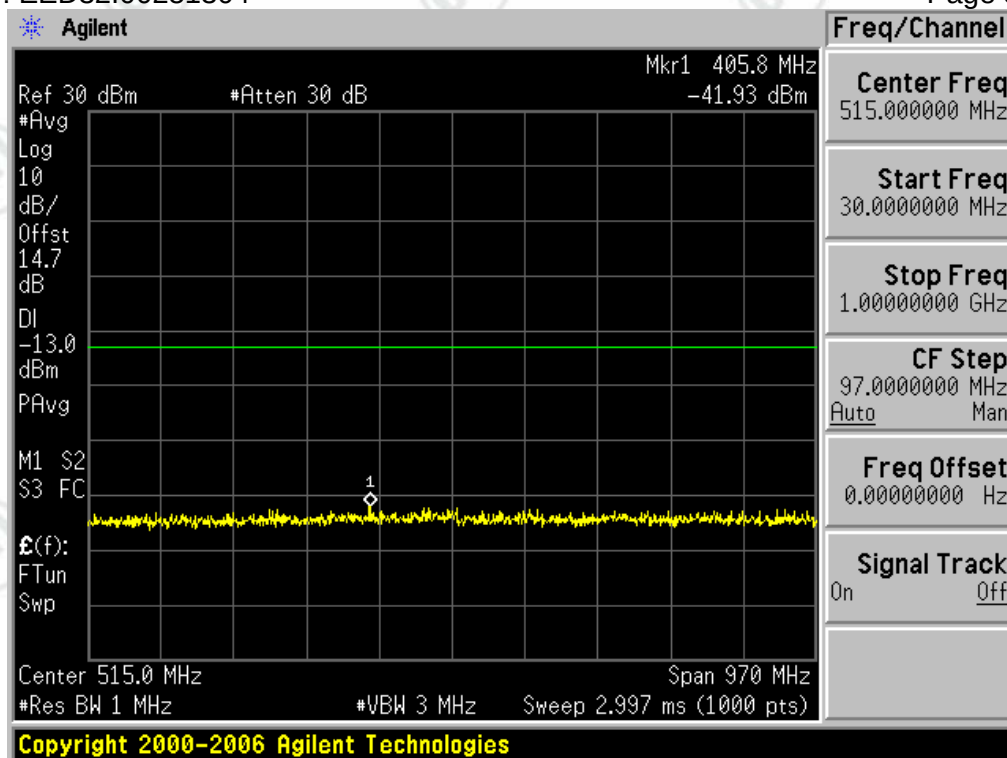


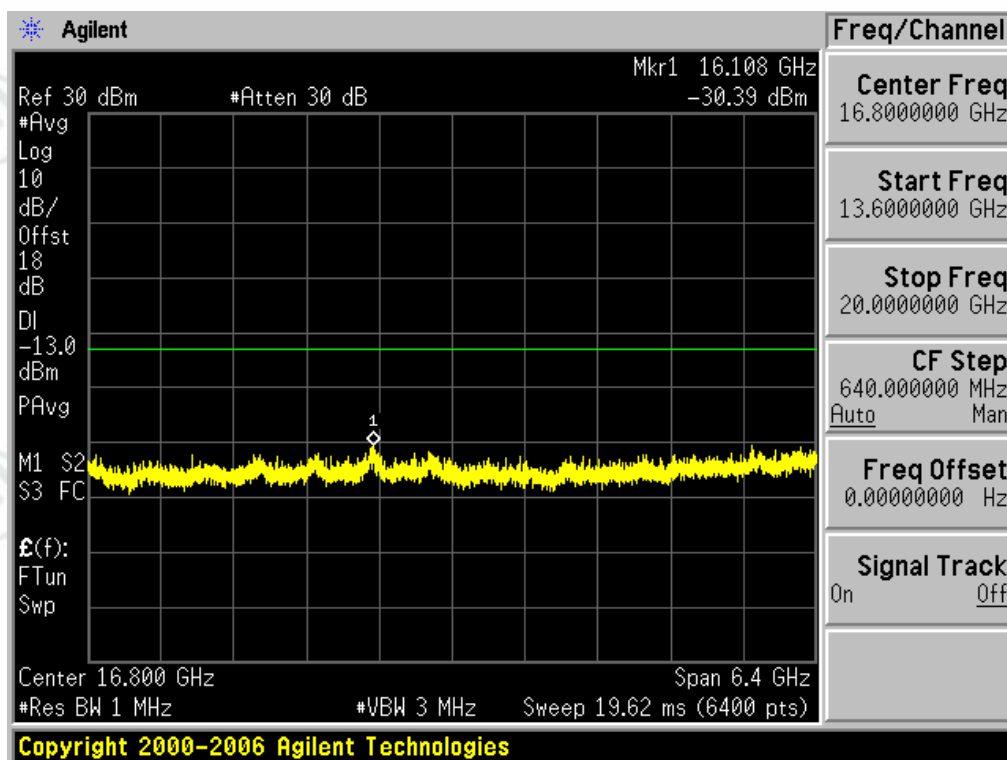
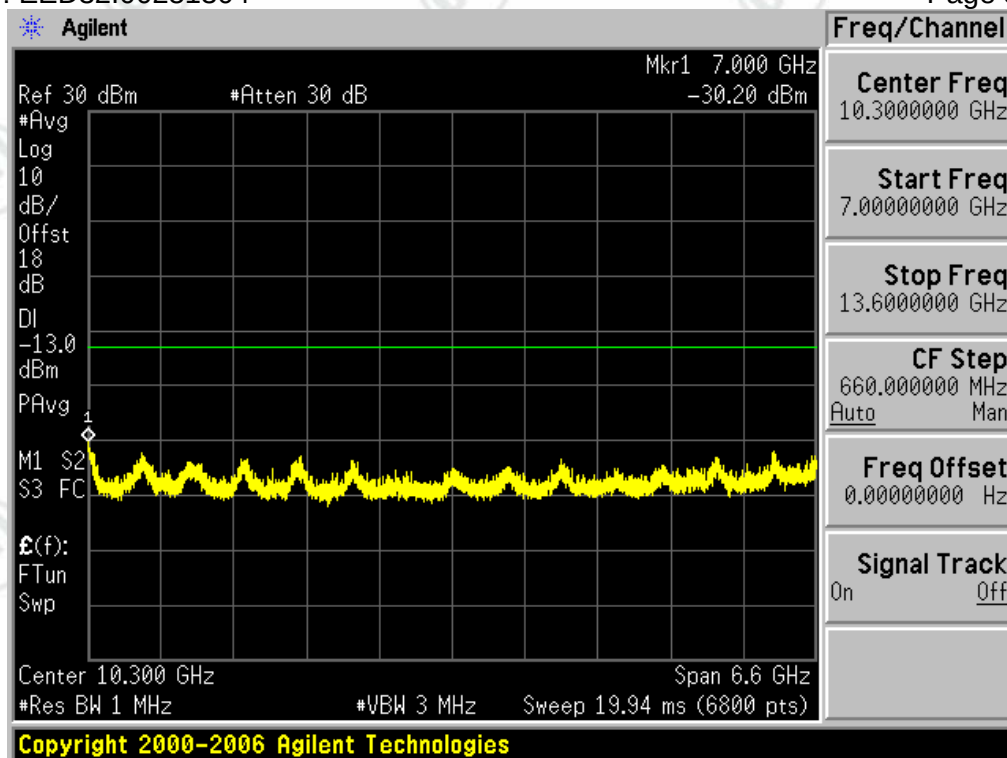




1.1.3.3 Test Channel=HCH







Appendix F) Frequency Stability

Frequency Error vs. Voltage:

VL is 3.5V, VN is 3.6V, VH is 3.7V.

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM1	LCH	TN	VL	15.20	0.008204	±2.5	PASS
			TN	VN	15.24	0.008229	±2.5	PASS
			TN	VH	14.80	0.007990	±2.5	PASS
		MCH	TN	VL	9.31	0.004951	±2.5	PASS
			TN	VN	15.24	0.005430	±2.5	PASS
			TN	VH	9.08	0.004829	±2.5	PASS
		HCH	TN	VL	1.14	0.000600	±2.5	PASS
			TN	VN	15.24	0.000456	±2.5	PASS
			TN	VH	-2.47	-0.001296	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM2	LCH	TN	VL	-64.15	-0.034630	±2.5	PASS
			TN	VN	66.59	0.035948	±2.5	PASS
			TN	VH	-33.40	-0.018031	±2.5	PASS
		MCH	TN	VL	-26.50	-0.014098	±2.5	PASS
			TN	VN	66.59	-0.035574	±2.5	PASS
			TN	VH	21.21	0.011282	±2.5	PASS
		HCH	TN	VL	60.76	0.031852	±2.5	PASS
			TN	VN	66.59	0.029860	±2.5	PASS
			TN	VH	83.45	0.043746	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM3	LCH	TN	VL	-93.63	-0.050544	±2.5	PASS
			TN	VN	-13.47	-0.007274	±2.5	PASS
			TN	VH	41.29	0.022290	±2.5	PASS
		MCH	TN	VL	-46.55	-0.024763	±2.5	PASS
			TN	VN	-13.47	0.047400	±2.5	PASS
			TN	VH	33.10	0.017604	±2.5	PASS
		HCH	TN	VL	-3.25	-0.001704	±2.5	PASS
			TN	VN	-13.47	-0.074086	±2.5	PASS
			TN	VH	9.84	0.005159	±2.5	PASS

Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM1	LCH	VN	-30	14.40	0.007776	±2.5	PASS
			VN	-20	10.64	0.005741	±2.5	PASS
			VN	-10	18.39	0.009926	±2.5	PASS
			VN	0	17.14	0.009250	±2.5	PASS
			VN	10	15.18	0.008196	±2.5	PASS
			VN	20	18.34	0.009901	±2.5	PASS
			VN	30	10.03	0.005412	±2.5	PASS
			VN	40	14.72	0.007949	±2.5	PASS
			VN	50	13.95	0.007529	±2.5	PASS
WCDMA 1900	TM1	MCH	VN	-30	6.27	0.003336	±2.5	PASS
			VN	-20	7.80	0.004147	±2.5	PASS
			VN	-10	12.39	0.006591	±2.5	PASS
			VN	0	13.15	0.006996	±2.5	PASS
			VN	10	6.68	0.003555	±2.5	PASS
			VN	20	8.18	0.004350	±2.5	PASS
			VN	30	7.25	0.003855	±2.5	PASS
			VN	40	11.09	0.005901	±2.5	PASS
			VN	50	11.11	0.005909	±2.5	PASS
WCDMA 1900	TM1	HCH	VN	-30	-0.15	-0.000080	±2.5	PASS
			VN	-20	1.28	0.000672	±2.5	PASS
			VN	-10	3.42	0.001792	±2.5	PASS
			VN	0	2.30	0.001208	±2.5	PASS
			VN	10	0.76	0.000400	±2.5	PASS
			VN	20	1.17	0.000616	±2.5	PASS
			VN	30	3.23	0.001696	±2.5	PASS
			VN	40	4.07	0.002136	±2.5	PASS
			VN	50	3.57	0.001872	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM2	LCH	VN	-30	24.17	0.013048	±2.5	PASS
			VN	-20	-12.91	-0.006969	±2.5	PASS
			VN	-10	44.74	0.024152	±2.5	PASS
			VN	0	-66.82	-0.036071	±2.5	PASS
			VN	10	-74.11	-0.040009	±2.5	PASS
			VN	20	5.42	0.002924	±2.5	PASS
			VN	30	36.39	0.019646	±2.5	PASS
			VN	40	108.18	0.058403	±2.5	PASS
			VN	50	-98.79	-0.053328	±2.5	PASS
WCDMA 1900	TM2	MCH	VN	-30	6.65	0.003539	±2.5	PASS
			VN	-20	24.86	0.013222	±2.5	PASS
			VN	-10	18.91	0.010056	±2.5	PASS
			VN	0	52.83	0.028099	±2.5	PASS
			VN	10	-116.90	-0.062180	±2.5	PASS
			VN	20	-54.37	-0.028919	±2.5	PASS
			VN	30	-172.93	-0.091983	±2.5	PASS
			VN	40	47.32	0.025169	±2.5	PASS
			VN	50	-44.75	-0.023805	±2.5	PASS
WCDMA 1900	TM2	HCH	VN	-30	65.64	0.034411	±2.5	PASS
			VN	-20	-10.01	-0.005247	±2.5	PASS
			VN	-10	115.86	0.060736	±2.5	PASS
			VN	0	-65.64	-0.034411	±2.5	PASS
			VN	10	7.48	0.003919	±2.5	PASS
			VN	20	88.97	0.046642	±2.5	PASS
			VN	30	21.84	0.011446	±2.5	PASS
			VN	40	31.22	0.016366	±2.5	PASS
			VN	50	-33.16	-0.017382	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM3	LCH	VN	-30	-48.84	-0.026368	±2.5	PASS
			VN	-20	93.63	0.050544	±2.5	PASS
			VN	-10	10.35	0.005585	±2.5	PASS
			VN	0	-66.33	-0.035808	±2.5	PASS
			VN	10	20.69	0.011170	±2.5	PASS
			VN	20	26.37	0.014234	±2.5	PASS
			VN	30	0.92	0.000494	±2.5	PASS
			VN	40	11.66	0.006293	±2.5	PASS
			VN	50	41.93	0.022636	±2.5	PASS
WCDMA 1900	TM3	MCH	VN	-30	-0.79	-0.000422	±2.5	PASS
			VN	-20	1.42	0.000755	±2.5	PASS
			VN	-10	66.64	0.035444	±2.5	PASS
			VN	0	77.55	0.041247	±2.5	PASS
			VN	10	60.75	0.032311	±2.5	PASS
			VN	20	60.20	0.032019	±2.5	PASS
			VN	30	-58.36	-0.031045	±2.5	PASS
			VN	40	-64.77	-0.034454	±2.5	PASS
			VN	50	1.22	0.000649	±2.5	PASS
WCDMA 1900	TM3	HCH	VN	-30	34.48	0.018078	±2.5	PASS
			VN	-20	118.47	0.062104	±2.5	PASS
			VN	-10	64.15	0.033628	±2.5	PASS
			VN	0	70.79	0.037107	±2.5	PASS
			VN	10	124.83	0.065439	±2.5	PASS
			VN	20	61.89	0.032444	±2.5	PASS
			VN	30	-78.87	-0.041347	±2.5	PASS
			VN	40	37.26	0.019533	±2.5	PASS
			VN	50	59.20	0.031036	±2.5	PASS

Appendix G): Effective Radiated Power of Transmitter (ERP/EIRP)

Receiver Setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>peak</td><td>120kHz</td><td>300kHz</td><td>Peak</td></tr><tr><td>Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr></table>	Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	peak	120kHz	300kHz	Peak	Above 1GHz	Peak	1MHz	3MHz	Peak
Frequency	Detector	RBW	VBW	Remark												
30MHz-1GHz	peak	120kHz	300kHz	Peak												
Above 1GHz	Peak	1MHz	3MHz	Peak												
Measurement Procedure:	Test procedure as below: 1) The EUT was powered ON and placed on a 1.5m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test. 2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. 4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization. 5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter. 6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions. 7) The output power into the substitution antenna was then measured. 8) Steps 6) and 7)were repeated with both antennas polarized. 9) Calculate power in dBm by the following formula: ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd) EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi) EIRP=ERP+2.15dB where: Pg is the generator output power into the substitution antenna. 10) Test the EUT in the lowest channel, the middle channel the Highest channel 11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode,And found the X axis positioning which it is worse case. 12) Repeat above procedures until all frequencies measured was complete.															
Limit:	<table><tr><td>Mode</td><td>WCDMA Band V</td><td>WCDMA Band II</td><td>WCDMA Band IV</td></tr><tr><td>Frequency</td><td>824 – 849MHz</td><td>1850 – 1910MHz</td><td>1710 – 1755MHz</td></tr><tr><td>Limit</td><td>38.45dBm (7W)</td><td>33.01dBm (2W)</td><td>30dBm (1W)</td></tr></table>	Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV	Frequency	824 – 849MHz	1850 – 1910MHz	1710 – 1755MHz	Limit	38.45dBm (7W)	33.01dBm (2W)	30dBm (1W)			
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV													
Frequency	824 – 849MHz	1850 – 1910MHz	1710 – 1755MHz													
Limit	38.45dBm (7W)	33.01dBm (2W)	30dBm (1W)													

Measurement Data

HSDPA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	342	11.77	33.01	-21.24	Pass	H
	150	15	19.70	33.01	-13.31	Pass	V
9400/1880.0	151	124	-0.30	33.01	-33.31	Pass	H
	150	20	6.72	33.01	-26.29	Pass	V
9538/1907.6	150	61	2.05	33.04	-30.99	Pass	H
	152	114	5.23	33.01	-27.78	Pass	V

HSUPA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	336	12.20	33.01	-20.81	Pass	H
	150	61	19.7	33.01	-13.31	Pass	V
9400/1880.0	151	72	0.16	33.01	-32.85	Pass	H
	150	200	4.87	33.01	-28.14	Pass	V
9538/1907.6	152	58	2.07	33.01	-30.94	Pass	H
	150	316	4.93	33.01	-28.08	Pass	V

RMC band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	151	342	11.53	33.01	-21.48	Pass	H
	154	151	18.85	33.01	-14.16	Pass	V
9400/1880.0	150	60	-0.46	33.01	-33.47	Pass	H
	151	87	6.47	33.01	-26.54	Pass	V
9538/1907.6	150	227	2.50	33.01	-30.51	Pass	H
	150	10	5.07	33.01	-27.94	Pass	V

Appendix H): Field strength of spurious radiation

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
	30MHz-1GHz	Peak	120kHz	300kHz	Peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Measurement Procedure:	1. Scan up to 10th harmonic, find the maximum radiation frequency to measure. 2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT. Test procedure as below: 1) The EUT was powered ON and placed on a 1.5m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test. 2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. 4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization. 5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter. 6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions. 7) The output power into the substitution antenna was then measured. 8) Steps 6) and 7) were repeated with both antennas polarized. 9) Calculate power in dBm by the following formula: $\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ $\text{EIRP} = \text{ERP} + 2.15\text{dB}$ where: Pg is the generator output power into the substitution antenna. 10) Test the EUT in the lowest channel, the middle channel the Highest channel 11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, And found the X axis positioning which it is worse case. 12) Repeat above procedures until all frequencies measured was complete.				
Limit:	Attenuated at least 43+10log(P)				

Test Data:
Above 1GHz

HSDPA band II 9262 channel/1852.4MHz(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	153	197	-50.15	-13.00	-37.15	Pass	H
1399.353	155	360	-51.94	-13.00	-38.94	Pass	H
3700.260	154	279	-43.69	-13.00	-30.69	Pass	H
4736.600	150	30	-48.94	-13.00	-35.94	Pass	H
6396.125	145	337	-45.70	-13.00	-32.70	Pass	H
9157.857	150	345	-45.32	-13.00	-32.32	Pass	H
1118.517	150	249	-53.15	-13.00	-40.15	Pass	V
1498.912	153	360	-53.06	-13.00	-40.06	Pass	V
3709.691	154	151	-47.30	-13.00	-34.30	Pass	V
5560.500	159	100	-46.30	-13.00	-33.30	Pass	V
6428.771	155	57	-45.87	-13.00	-32.87	Pass	V
8659.098	150	10	-46.43	-13.00	-33.43	Pass	V

HSDPA band II 9400 channel/1880MHz(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	155	282	-49.63	-13.00	-36.63	Pass	H
1498.912	154	284	-51.65	-13.00	-38.65	Pass	H
3766.785	148	61	-42.70	-13.00	-29.70	Pass	H
5776.922	160	70	-47.88	-13.00	-34.88	Pass	H
6428.771	155	17	-45.18	-13.00	-32.18	Pass	H
9251.580	154	59	-45.89	-13.00	-32.89	Pass	H
1118.517	150	71	-51.88	-13.00	-38.88	Pass	V
1498.912	151	207	-53.23	-13.00	-40.23	Pass	V
2920.248	150	49	-51.75	-13.00	-38.75	Pass	V
3757.208	155	218	-45.71	-13.00	-32.71	Pass	V
5646.079	150	67	-47.28	-13.00	-34.28	Pass	V
6412.427	150	201	-45.95	-13.00	-32.95	Pass	V

HSDPA band II 9538 channel/1907.6MHz(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	149	220	-53.18	-13.00	-40.18	Pass	H
1238.405	152	360	-53.09	-13.00	-40.09	Pass	H
3738.129	151	15	-49.86	-13.00	-36.86	Pass	H
4736.600	149	271	-49.68	-13.00	-36.68	Pass	H
6412.427	150	100	-45.45	-13.00	-32.45	Pass	H
8022.456	158	189	-47.11	-13.00	-34.11	Pass	H
1118.517	148	210	-50.93	-13.00	-37.93	Pass	V
1498.912	151	220	-52.45	-13.00	-39.45	Pass	V
3192.366	156	105	-51.21	-13.00	-38.21	Pass	V
3738.129	153	154	-50.15	-13.00	-37.15	Pass	V
5297.966	148	157	-48.91	-13.00	-35.91	Pass	V
6412.427	150	48	-45.53	-13.00	-32.53	Pass	V

HSUPA band II 9262 channel/1852.4MHz(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	155	58	-53.43	-13.00	-40.43	Pass	H
1399.353	151	100	-52.35	-13.00	-39.35	Pass	H
3700.260	150	221	-43.91	-13.00	-30.91	Pass	H
5311.469	145	162	-49.16	-13.00	-36.16	Pass	H
6445.156	152	100	-45.61	-13.00	-32.61	Pass	H
9088.188	151	240	-46.63	-13.00	-33.63	Pass	H
1118.517	156	21	-52.32	-13.00	-39.32	Pass	V
1498.912	151	328	-52.58	-13.00	-39.58	Pass	V
3709.691	153	15	-46.64	-13.00	-33.64	Pass	V
5560.500	150	100	-46.96	-13.00	-33.96	Pass	V
6428.771	150	360	-45.36	-13.00	-32.36	Pass	V
7981.717	149	70	-46.80	-13.00	-33.80	Pass	V

HSUPA band II 9400 channel/1880MHz(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	158	100	-50.75	-13.00	-37.75	Pass	H
1399.353	150	360	-51.85	-13.00	-38.85	Pass	H
3766.785	146	70	-42.84	-13.00	-29.84	Pass	H
5297.966	150	69	-49.06	-13.00	-36.06	Pass	H
6527.712	155	58	-46.29	-13.00	-33.29	Pass	H
8063.403	151	100	-47.20	-13.00	-34.20	Pass	H
1118.517	159	124	-51.22	-13.00	-38.22	Pass	V
1498.912	154	127	-53.65	-13.00	-40.65	Pass	V
3757.208	146	210	-46.55	-13.00	-33.55	Pass	V
5646.079	150	46	-47.27	-13.00	-34.27	Pass	V
6428.771	148	70	-45.84	-13.00	-32.84	Pass	V
7941.185	148	360	-46.93	-13.00	-33.93	Pass	V

HSUPA band II 9538 channel/1907.6MHz(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	146	10	-50.18	-13.00	-37.18	Pass	H
1498.912	150	70	-52.72	-13.00	-39.72	Pass	H
3738.129	151	360	-49.52	-13.00	-36.52	Pass	H
4736.600	150	15	-49.50	-13.00	-36.50	Pass	H
6396.125	148	100	-45.65	-13.00	-32.65	Pass	H
8527.851	150	254	-46.64	-13.00	-33.64	Pass	H
1118.517	151	88	-52.82	-13.00	-39.82	Pass	V
1498.912	150	61	-52.43	-13.00	-39.43	Pass	V
3728.625	153	288	-49.18	-13.00	-36.18	Pass	V
4724.558	150	360	-49.47	-13.00	-36.47	Pass	V
6445.156	156	162	-45.44	-13.00	-32.44	Pass	V
8022.456	148	189	-45.54	-13.00	-32.54	Pass	V

RMC band II 9262 channel/1852.4MHz(lowest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	158	180	-49.48	-13.00	-36.48	Pass	H
1498.912	149	246	-51.58	-13.00	-38.58	Pass	H
3700.260	146	10	-44.96	-13.00	-31.96	Pass	H
5560.500	150	70	-47.78	-13.00	-34.78	Pass	H
6445.156	151	360	-45.53	-13.00	-32.53	Pass	H
9181.198	150	15	-46.15	-13.00	-33.15	Pass	H
1118.517	148	215	-52.78	-13.00	-39.78	Pass	V
1336.682	151	247	-54.94	-13.00	-41.94	Pass	V
2500.251	150	336	-50.39	-13.00	-37.39	Pass	V
3709.691	150	107	-46.95	-13.00	-33.95	Pass	V
5560.500	150	60	-46.17	-13.00	-33.17	Pass	V
6428.771	150	321	-45.81	-13.00	-32.81	Pass	V

RMC band II 9400 channel/1880MHz(middle channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1118.517	152	15	-50.37	-13.00	-37.37	Pass	H
1498.912	150	178	-51.95	-13.00	-38.95	Pass	H
3757.208	150	126	-42.32	-13.00	-29.32	Pass	H
5462.297	149	258	-48.76	-13.00	-35.76	Pass	H
6428.771	152	36	-45.65	-13.00	-32.65	Pass	H
8571.377	148	360	-46.74	-13.00	-33.74	Pass	H
1118.517	150	36	-52.14	-13.00	-39.14	Pass	V
1498.912	149	180	-52.99	-13.00	-39.99	Pass	V
3757.208	151	360	-45.88	-13.00	-32.88	Pass	V
5646.079	152	168	-47.34	-13.00	-34.34	Pass	V
6445.156	153	94	-45.64	-13.00	-32.64	Pass	V
9065.084	150	30	-46.18	-13.00	-33.18	Pass	V

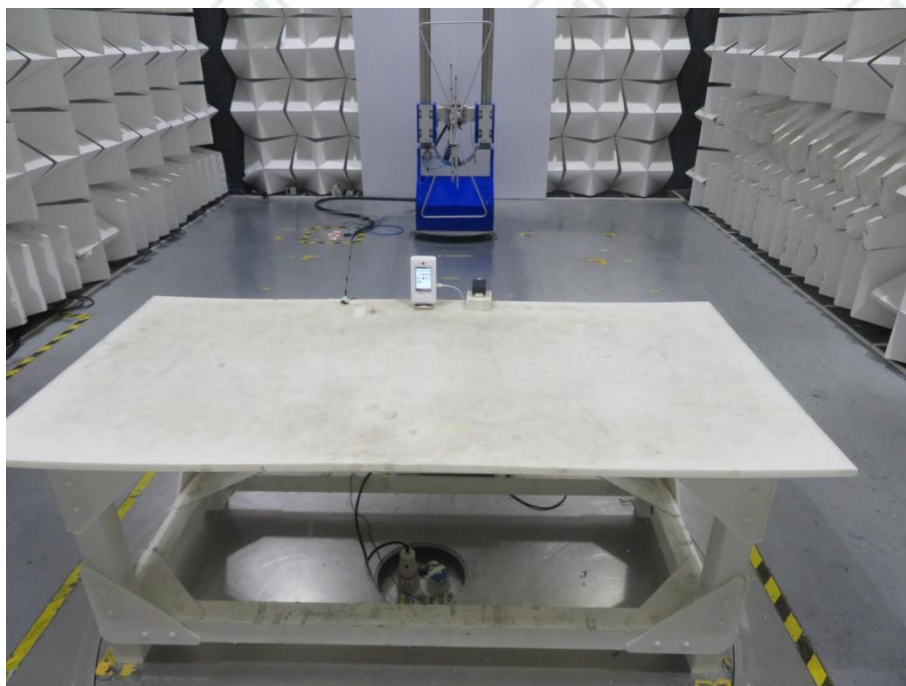
RMC band II 9538 channel/1907.6MHz(highest channel)							
Frequency (MHz)	Height (cm)	Azimuth (deg)	Spurious Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1399.353	150	18	-57.39	-13.00	-44.39	Pass	H
3225.037	149	180	-51.74	-13.00	-38.74	Pass	H
4712.547	151	297	-51.21	-13.00	-38.21	Pass	H
6561.030	152	168	-46.86	-13.00	-33.86	Pass	H
8002.061	153	94	-47.46	-13.00	-34.46	Pass	H
9181.198	150	30	-46.51	-13.00	-33.51	Pass	H
1118.517	150	179	-51.97	-13.00	-38.97	Pass	V
1498.912	151	100	-52.54	-13.00	-39.54	Pass	V
3883.622	150	25	-50.05	-13.00	-37.05	Pass	V
4760.776	152	360	-49.51	-13.00	-36.51	Pass	V
6428.771	148	236	-45.89	-13.00	-32.89	Pass	V
8104.559	153	271	-46.96	-13.00	-33.96	Pass	V

Note:

Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 1GHz are attenuated more than 20 dB below the applicable limit and not required to be reported, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

PHOTOGRAPHS OF TEST SETUP

Test model No.: BW-X07HD



Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.EED32I00251301 for EUT external and internal photos.

*** End of Report ***

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