TEST REPORT

Product	:	LTE MODULE
Trade mark	:	GlocalMe
Model/Type reference	:	GLMM18A02
Serial Number	:	N/A
Report Number	:	EED32K00246404
FCC ID	:	2AC88-GLMM18A02
Date of Issue	:	Feb. 22, 2019
Test Standards	:	47 CFR Part 2 47 CFR Part 22 subpart H 47 CFR Part 24 subpart E 47 CFR Part 27
Test result	:	PASS

Prepared for:

HONGKONG UCLOUDLINK NETWORK TECHNOLOGY LIMITED
Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung Sha Wan Road, Kowloon, HongKong

Prepared by:

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Date:	Feb. 22, 2019	Check No.:	3096318232

CENTRE TESTING INTERNATIONAL GROUP CO.,LTD. CTI Report Seal

2 Version

Version No.	Date	Description
00	Feb. 22, 2019	Original

3 Test Summary

GSM 850, WCDMA(Band V)			
Test Item	**Test Requirement**	**Test method**	**Result**
Conducted output power	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(ERP)	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
99%&26dB Occupied Bandwidth	Part 2.1049(h)	Part 22.917(b) &KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/Part 22.917(a)	Part 22.917(b) &KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/ Part 22.355	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
GSM 1900,WCDMA(Band II)			
Test Item	**Test Requirement**	**Test method**	**Result**
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v03r01	PASS
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016&KDB 971168 D01v03r01	PASS

WCDMA(Band IV)			
Test Item	**Test Requirement**	**Test method**	**Result**
Conducted output power	Part 2.1046(a) /Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	PASS
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 27.53(h) &KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) &KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016&KDB 971168 D01v03r01	PASS

Remark:
The tested samples and the sample information are provided by the client.
Tx: In this whole report Tx (or tx) means Transmitter.
Rx: In this whole report Rx (or rx) means Receiver.
RF: In this whole report RF means Radiated Frequency.
CH: In this whole report CH means channel.
Volt: In this whole report Volt means Voltage.
Temp: In this whole report Temp means Temperature.
Humid: In this whole report Humid means humidity.
Press: In this whole report Press means Pressure.
N/A: In this whole report not application

4 Content

5 Test Requirement

5.1 Test setup

5.1.1 For Radiated Emissions test setup

Radiated Emissions setup:

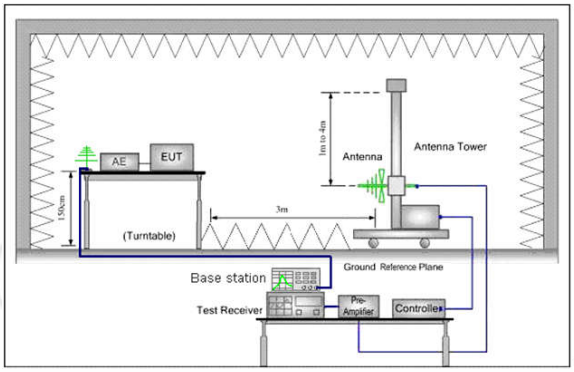


Figure 1.30MHz to 1GHz

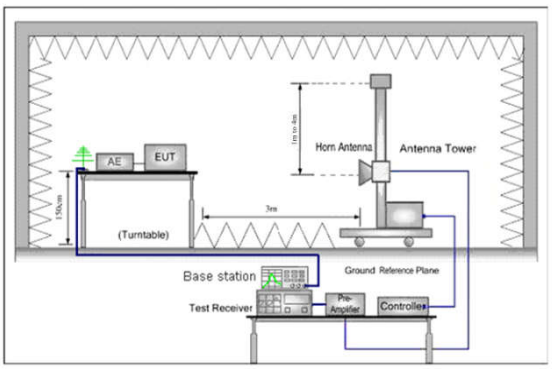


Figure 2. above 1GHz

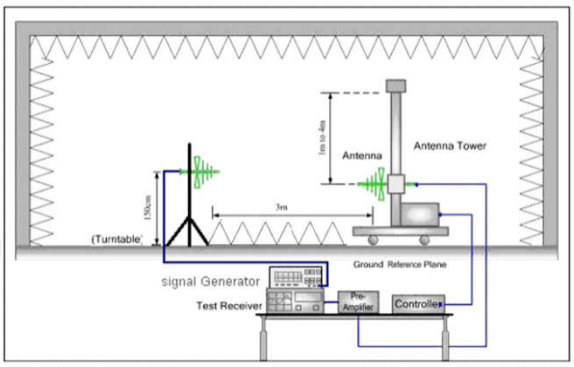


Figure 1. 30MHz to 1GHz

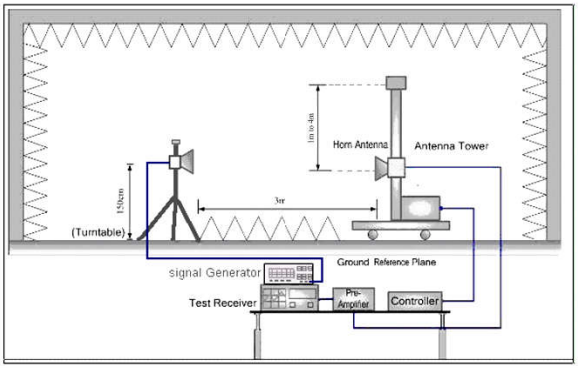


Figure 2. above 1GHz

5.2 Test Environment

Operating Environment:	
Temperature:	23°C
Humidity:	57 % RH
Atmospheric Pressure:	1010mbar

5.3 Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
GSM/GPRS/ EDGE850	Tx (824 MHz ~849 MHz)	Channel 128	Channel 190	Channel 251
		824.2MHz	836.6 MHz	848.8 MHz
	Rx (869 MHz ~894 MHz)	Channel 128	Channel 190	Channel 251
		869.2 MHz	881.6 MHz	893.8 MHz
WCDMA band V	Tx (824 MHz ~849 MHz)	Channel 4132	Channel 4182	Channel 4233
		826.4 MHz	836.4 MHz	846.6 MHz
	Rx (869 MHz ~894 MHz)	Channel 4357	Channel 4407	Channel 4458
		871.4 MHz	881.4 MHz	891.6 MHz
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
GSM/GPRS/ EDGE1900	Tx (1850 MHz ~1910 MHz)	Channel 512	Channel 661	Channel 810
		1850.2MHz	1880.0 MHz	1909.8 MHz
	Rx (1930 MHz ~1990 MHz)	Channel 512	Channel 661	Channel 810
		1930.2 MHz	1960.0 MHz	1989.8 MHz
WCDMA Band IV	Tx (1710 MHz ~1755 MHz)	Channel 1312	Channel 1413	Channel 1513
		1712.4MHz	1732.6MHz	1752.6MHz
	Rx (2110 MHz ~2155 MHz)	Channel 1537	Channel 1638	Channel 1738
		2112.4 MHz	2132.6 MHz	2152.6 MHz

Test mode:

band	Radiated	Conducted
GSM/GPRS/EDGE 850	1)GSM Link 2)GPRS 8 Link 3)EDGE 8 Link	1)GSM Link 2)GPRS 8 Link 3)EDGE 8 Link
GSM/GPRS/EDGE 1900	1)GSM Link 2)GPRS 8 Link 3)EDGE 8 Link	1)GSM Link 2)GPRS 8 Link 3)EDGE 8 Link
WCDMA Band V	1)RMC 12.2Kbps Link	1)RMC 12.2Kbps Link
WCDMA Band II	1)RMC 12.2Kbps Link	1)RMC 12.2Kbps Link
WCDMA Band IV	1)RMC 12.2Kbps Link	1)RMC 12.2Kbps Link

Test mode:

Test Mode	Test Modes description
GSM/TM1	GSM system, GSM, GMSK modulation
GSM/TM2	GSM system, GPRS, GMSK modulation
GSM/TM3	GSM system, EDGE, 8PSK modulation
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:	HONGKONG UCLOUDLINK NETWORK TECHNOLOGY LIMITED
Address of Applicant:	Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung Sha Wan Road, Kowloon, HongKong
Manufacturer:	HONGKONG UCLOUDLINK NETWORK TECHNOLOGY LIMITED
Address of Manufacturer:	Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung Sha Wan Road, Kowloon, HongKong
Factory:	SHENZHEN CHIHANG TECHNOLOGY CO., LTD
Address of Factory:	1-4/F, Building 5, Detai Industrial Park, Huarong Road, Dalang Street, Longhua, Shenzhen

6.2 General Description of EUT

Product Name:	LTE MODULE
Model No.(EUT):	GLMM18A02
Trade mark:	GlocalMe
EUT Supports Radios application:	4.0 BT Dual mode: 2402MHz to 2480MHz WiFi: IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz GPS: L1:1559MHz to 1610MHz GSM/GPRS/EGPRS 850: Tx: 824-849MHz, Rx: 869-894MHz GSM/GPRS/EGPRS 1900: Tx: 1850-1910MHz, Rx: 1930-1990MHz WCDMA Band 2: Tx: 1850-1910MHz, Rx: 1930-1990MHz WCDMA Band 4: Tx: 1850-1910MHz, Rx: 2110-2155MHz WCDMA Band 5: Tx: 824- 849MHz, Rx: 869 -894MHz LTE Band 2: Tx: 1850-1910MHz, Rx: 1930-1990MHz LTE Band 4: Tx: 1710-1755 MHz, Rx: 2110-2155 MHz LTE Band 5: Tx: 824-849 MHz, Rx: 869-894MHz LTE Band 7: TX:2500-2570 MHz, Rx: 2620-2690 MHz LTE Band 12: Tx: 699-716 MHz, Rx: 729-746 MHz LTE Band 13: Tx: 777-787 MHz, Rx: 746-756 MHz LTE Band 17: Tx: 704-716 MHz, Rx: 734-746 MHz LTE Band 26: Tx: 814-849 MHz, Rx: 859-894 MHz LTE Band 38: Tx: 2570- 2620MHz, Rx: 2570-2620MHz LTE Band 40: Tx:2305–2315 MHz, Rx:2305–2315MHz Tx:2350–2360 MHz, Rx:2350–2360MHz LTE Band 41: Tx: 2535-2655 MHz, Rx: 2535 -2655 MHz
Power Supply:	DC 3.3V
Firmware version:	GLMM18A01_TSV1.0.000.005.180821_userdebug(manufacturer declare)
Hardware version:	M2_VB(manufacturer declare)
Sample Received Date:	Sep. 10, 2018
Sample tested Date:	Sep. 11, 2018 to Feb. 22, 2019

6.3 Product Specification subjective to this standard

Frequency Band:	GSM/GPRS/EGPRS 850: Tx: 824-849MHz, Rx: 869-894MHz GSM/GPRS/EGPRS 1900: Tx: 1850-1910MHz, Rx: 1930-1990MHz WCDMA Band 2: Tx: 1850-1910MHz, Rx: 1930-1990MHz WCDMA Band 4: Tx: 1850-1910MHz, Rx: 2110-2155MHz WCDMA Band 5: Tx: 824- 849MHz, Rx: 869 -894MHz
Modulation Type:	GMSK (GSM/GPRS), GMSK/8PSK (EGPRS) QPSK for WCDMA, QPSK for HSDPA, QPSK for HSUPA
Antenna Type:	External Antenna
Antenna Gain:	-0.5dBi
Test Voltage:	DC 3.3V

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

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

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

No tests were sub-contracted.

FCC Designation No.: CN1164

6.6 Deviation from Standards

None.

6.7 Abnormalities from Standard Conditions

None.

6.8 Other Information Requested by the Customer

None.

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

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

7 Equipment List

Communication RF test system					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Spectrum Analyzer	Agilent	E4440A	MY46185649	11-13-2017	11-14-2018
Spectrum Analyzer	Agilent	E4440A	MY46185649	11-14-2018	11-13-2019
Signal Generator	Agilent	E4438C	MY45095744	03-13-2018	03-12-2019
Communication test set	Agilent	E5515C	GB47050534	03-16-2018	03-15-2019
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Communication test set	R&S	CMW500	152394	03-16-2018	03-15-2019
High-pass filter	Sinoscite	FL3CX03WG18NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA09CL12-0395-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA08CL12-0393-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA04CL12-0396-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA03CL12-0394-001	---	01-10-2018	01-09-2019
DC Power	Keysight	E3642A	MY54426112	03-13-2018	03-12-2019
DC Power	Keysight	E3642A	MY54426115	03-13-2018	03-12-2019
PC-2	Lenovo	R4960d	---	01-10-2018	01-09-2019
PC-3	Lenovo	R4960d	---	01-10-2018	01-09-2019
RF control unit	JS Tonscend	JS0806-1	158060004	03-13-2018	03-12-2019
DC power Box	JS Tonscend	JS0806-4	158060007	03-13-2018	03-12-2019
LTE Automatic test software	JS Tonscend	JS1120-1	---	03-30-2018	03-29-2019
WCDMA Automatic test software	JS Tonscend	JS1120-3	---	03-30-2018	03-29-2019
GSM Automatic test software	JS Tonscend	JS1120-3	---	03-30-2018	03-29-2019
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	10-11-2017	10-12-2018
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	10-12-2018	10-11-2019

3M Semi/full-anechoic Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06-04-2016	06-03-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-401	10-27-2017	10-28-2018
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-401	10-28-2018	10-27-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	07-30-2018	07-29-2019
Microwave Preamplifier	Agilent	8449B	3008A02425	08-21-2018	08-20-2019
Microwave Preamplifier	Tonscend	EMC051845 SE	980380	01-19-2018	01-18-2019
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1869	04-25-2018	04-23-2021
Horn Antenna	ETS-LINDGREN	3117	00057410	06-05-2018	06-03-2021
Double ridge horn antenna	A.H.SYSTEMS	SAS-574	6042	06-05-2018	06-04-2021
Pre-amplifier	A.H.SYSTEMS	PAP-1840-60	6041	06-05-2018	06-04-2021
Loop Antenna	ETS	6502	00071730	06-22-2017	06-21-2019
Spectrum Analyzer	R&S	FSP40	100416	05-11-2018	05-10-2019
Receiver	R&S	ESCI	100435	05-25-2018	05-24-2019
Receiver	R&S	ESCI7	100938-003	11-22-2017	11-23-2018
Receiver	R&S	ESCI7	100938-003	11-23-2018	11-22-2019
Multi device Controller	maturo	NCD/070/107 11112	---	01-10-2018	01-09-2019
LISN	schwarzbeck	NNBM8125	81251547	05-11-2018	05-10-2019
LISN	schwarzbeck	NNBM8125	81251548	05-11-2018	05-10-2019
Signal Generator	Agilent	E4438C	MY45095744	03-13-2018	03-12-2019
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	10-11-2017	10-12-2018
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	10-12-2018	10-11-2019
Communication test set	Agilent	E5515C	GB47050534	03-16-2018	03-15-2019
Cable line	Fulai(7M)	SF106	5219/6A	01-10-2018	01-09-2019
Cable line	Fulai(6M)	SF106	5220/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5216/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5217/6A	01-10-2018	01-09-2019
Communication test set	R&S	CMW500	104466	02-05-2018	02-04-2019
High-pass filter	Sinoscite	FL3CX03WG 18NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA0 9CL12-0395-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA0 8CL12-0393-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA0 4CL12-0396-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA0 3CL12-0394-001	---	01-10-2018	01-09-2019

8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 22	PART 22 – PUBLIC MOBILE SERVICES Subpart H – Cellular Radiotelephone Service
2	PART 24	PART 24 – PERSONAL COMMUNICATIONS SERVICES Subpart E – Broadband PCS
3	PART 27	PART 27 – MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES Subpart C – Technical Standards
3	PART 2	Frequency allocations and radio treaty matters; general rules and regulations
4	TIA-603-E-2016	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
5	KDB971168 D01	KDB971168 D01 Power Meas License Digital Systems v03r01

Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part 2.1046(a)/Part 22.913(a)/ part 24.232(c) Part 27.50(d)	TIA-603-E-2016& KDB 971168 D01v03r01	Conducted output power	PASS	Appendix A)
Part 24.232(d) Part 27.50(d)	KDB 971168 D01v03r01	peak-to-average ratio	PASS	Appendix B)
Part 2.1049(h)	Part 22.917(b)/ Part 24.238(b)/ Part 27.53(h) &KDB 971168 D01v03r01	99% &26dBOccupied Bandwidth	PASS	Appendix C)
Part 2.1051/Part 22.917(a)/ Part 24.238(a) Part 27.53(h)	Part 22.917(b)/ Part 24.238(b)/ Part 27.53(h) &KDB 971168 D01v03r01	Band Edge at antenna terminals	PASS	Appendix D)
Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)/ Part 24.238(a)(b) Part 27.53(h)	TIA-603-E-2016& KDB 971168 D01v03r01	Spurious emissions at antenna terminals	PASS	Appendix E)
Part 2.1055/ Part 22.355/ Part 24.235 Part 27.54	TIA-603-E-2016& KDB 971168 D01v03r01	Frequency stability	PASS	Appendix F)
Part 2.1053/ Part 2.1057/ Part 22.917(a)(b)/ Part 24.238(a)(b) Part 27.53(h)	TIA-603-E-2016& KDB 971168 D01v03r01	Field strength of spurious radiation	PASS	Appendix H)
Part 2.1046(a)/Part 22.913(a)/ Part 24.232(c) Part 27.50(d)	TIA-603-E-2016& KDB 971168 D01v03r01	Effective Radiated Power of Transmitter(ERP)	PASS	Appendix G)

Appendix A): RF Power Output

Test Requirement:	Part 2.1046(a)
Test Method:	TIA-603-E-2016 Clause 2.2.1
Test Setup:	Refer to section 5 for details
Limit:	<table><tr><td>Mode</td><td>GSM/GPRS/EDGE/ WCDMA 850</td><td>GSM/GPRS/EDG E/WCDMA 1900</td><td>WCDMA 1700</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 （ERP）</td><td>33.01dBm （EIRP）</td><td>30dBm （EIRP）</td></tr></table>
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading. The tests were performed at three frequencies (low channel, middle channel and high channel) and on the highest power levels, which can be setup on the transmitters.
Instruments Used:	Refer to section 7 for details
Test Results:	Pass

Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
GSM850	GSM/TM1	LCH	32.07	38.5	PASS
		MCH	32.36	38.5	PASS
		HCH	32.29	38.5	PASS
	GSM/TM2	LCH	32.08	38.5	PASS
		MCH	32.30	38.5	PASS
		HCH	32.27	38.5	PASS
	GSM/TM3	LCH	25.95	38.5	PASS
		MCH	26.14	38.5	PASS
		HCH	26.20	38.5	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
GSM1900	GSM/TM1	LCH	29.81	33	PASS
		MCH	29.87	33	PASS
		HCH	30.57	33	PASS
	GSM/TM2	LCH	29.85	33	PASS
		MCH	29.91	33	PASS
		HCH	30.43	33	PASS

	GSM/TM3	LCH	25.50	33	PASS
		MCH	24.77	33	PASS
		HCH	25.72	33	PASS

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA850	UMTS/TM1	LCH	23.37	38.5	PASS
		MCH	24.58	38.5	PASS
		HCH	24.08	38.5	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA850	UMTS/TM2	LCH	22.76	38.5	PASS
		MCH	22.58	38.5	PASS
		HCH	22.48	38.5	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA850	UMTS/TM3	LCH	21.44	38.5	PASS
		MCH	21.77	38.5	PASS
		HCH	21.61	38.5	PASS

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1700	UMTS/TM1	LCH	22.29	30	PASS
		MCH	22.77	30	PASS
		HCH	21.89	30	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1700	UMTS/TM2	LCH	21.95	30	PASS
		MCH	22.32	30	PASS
		HCH	21.91	30	PASS

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1700	UMTS/TM3	LCH	21.93	30	PASS
		MCH	22.91	30	PASS
		HCH	21.36	30	PASS

Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM1	LCH	23.05	33	PASS
		MCH	23.66	33	PASS
		HCH	23.32	33	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM2	LCH	23.63	33	PASS
		MCH	23.97	33	PASS
		HCH	23.60	33	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM3	LCH	21.10	33	PASS
		MCH	21.41	33	PASS
		HCH	21.95	33	PASS

Appendix B): Peak-to-Average Ratio

Test Requirement:	Part 24.232(d)/Part 27.50(d)
Test Method:	KDB 971168 D01
Test Setup:	Refer to section 5 for details
Limit:	13dB
Measurement Procedure:	Use one of the procedures to measure the total peak power and record as PPk. Use one of the applicable procedures to measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from: PAPR (dB) = PPk (dBm) - PAvg (dBm).
Instruments Used:	Refer to section 7 for details
Test Results:	Pass

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
GSM1900	GSM/TM1	LCH	2.64	13	PASS
		MCH	2.63	13	PASS
		HCH	2.64	13	PASS
	GSM/TM2	LCH	3.07	13	PASS
		MCH	2.63	13	PASS
		HCH	2.64	13	PASS
	GSM/TM3	LCH	5.47	13	PASS
		MCH	5.57	13	PASS
		HCH	5.62	13	PASS

Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1700	UMTS/TM1	LCH	3.12	13	PASS
		MCH	3.09	13	PASS
		HCH	3.16	13	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1700	UMTS/TM2	LCH	3.30	13	PASS
		MCH	3.31	13	PASS
		HCH	3.23	13	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit ((dbm)	Verdict
WCDMA1700	UMTS/TM3	LCH	4.55	13	PASS
		MCH	4.49	13	PASS
		HCH	4.43	13	PASS

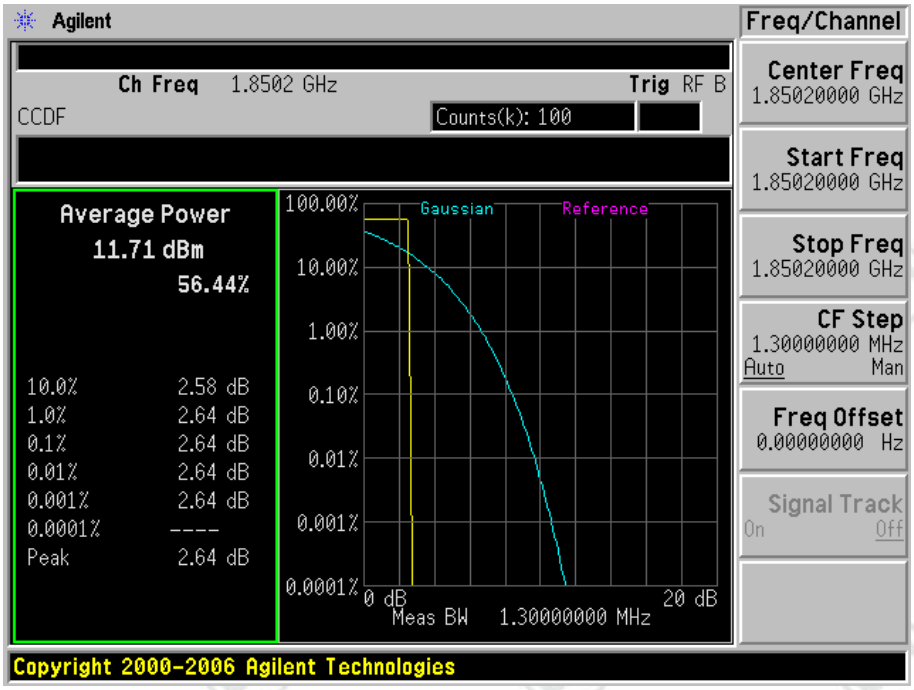
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM1	LCH	2.77	13	PASS
		MCH	2.94	13	PASS
		HCH	2.63	13	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM2	LCH	2.85	13	PASS
		MCH	3.00	13	PASS
		HCH	2.78	13	PASS
Test Band	Test Mode	Test Channel	Measured(dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM3	LCH	4.27	13	PASS
		MCH	4.23	13	PASS
		HCH	4.01	13	PASS

1 For GSM

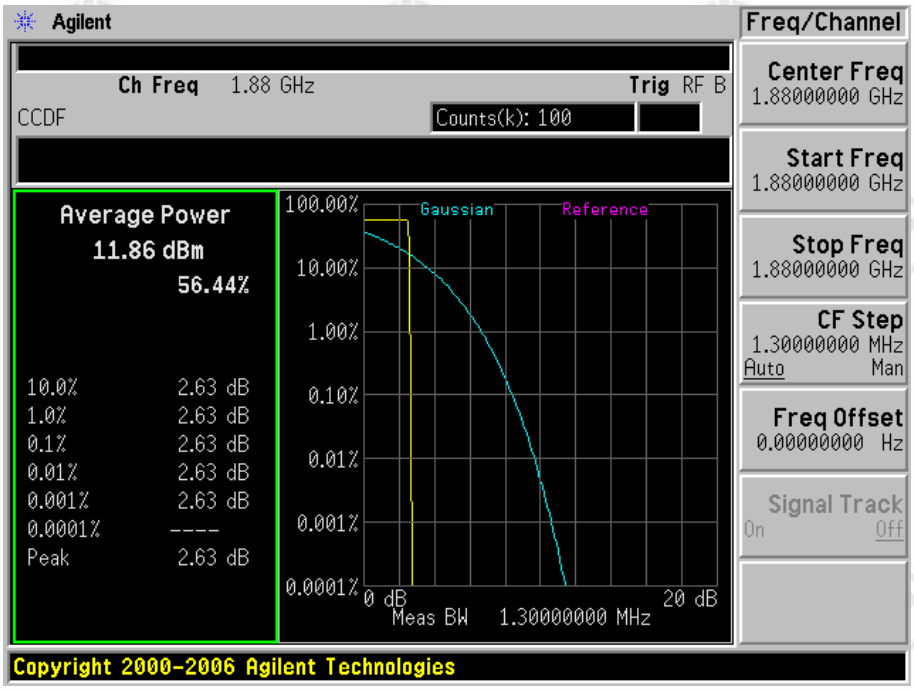
1.1 Test Band=GSM 1900

1.1.1 Test Mode=UMTS/TM1

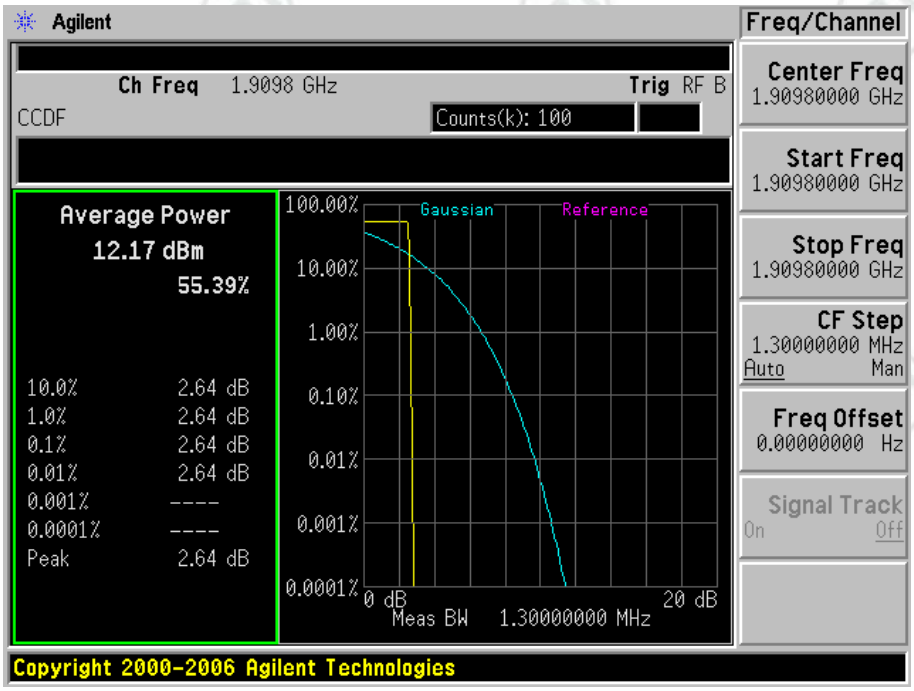
1.1.1.1 Test Channel=LCH



1.1.1.2 Test Channel=MCH

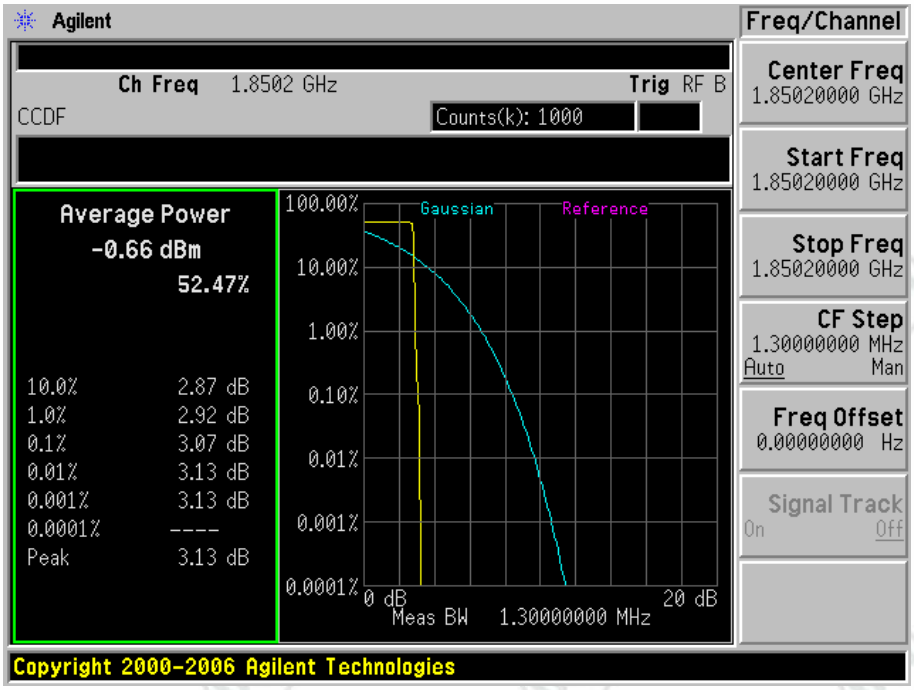


1.1.1.3 Test Channel=HCH

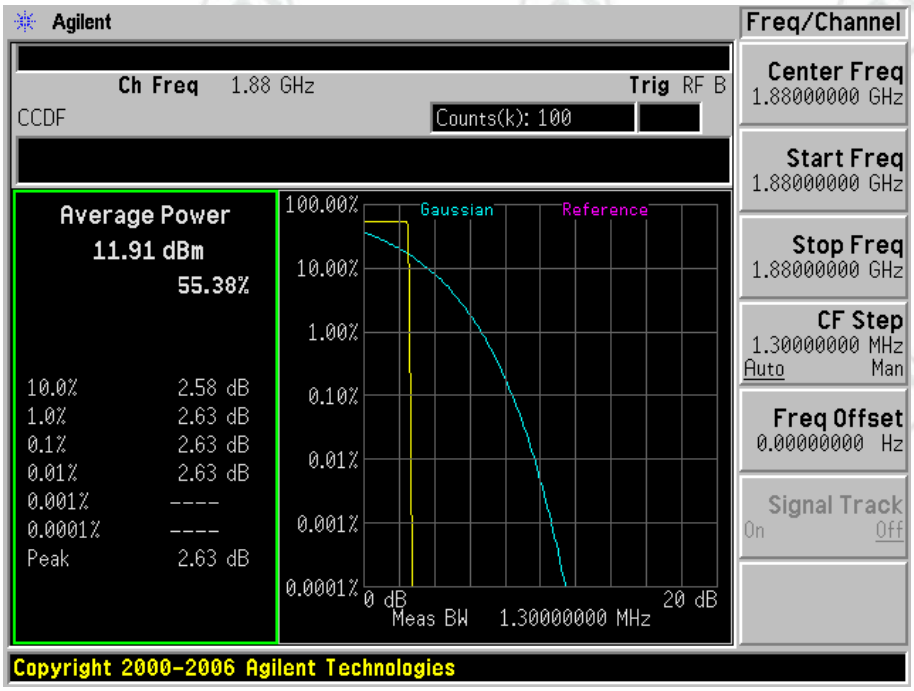


1.1.2 Test Mode=UMTS/TM2

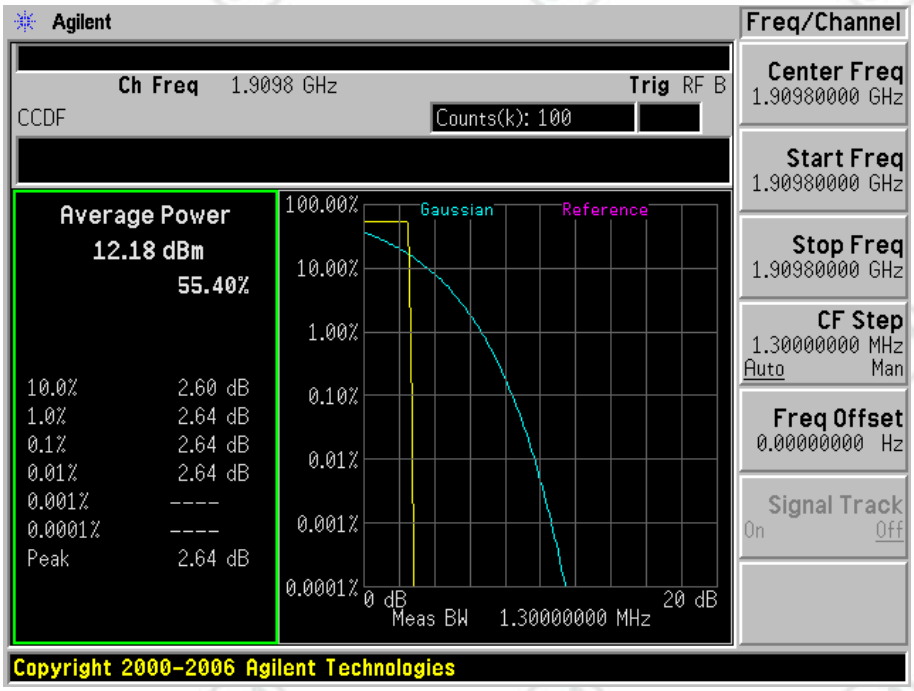
1.1.2.1 Test Channel=LCH



1.1.2.2 Test Channel=MCH

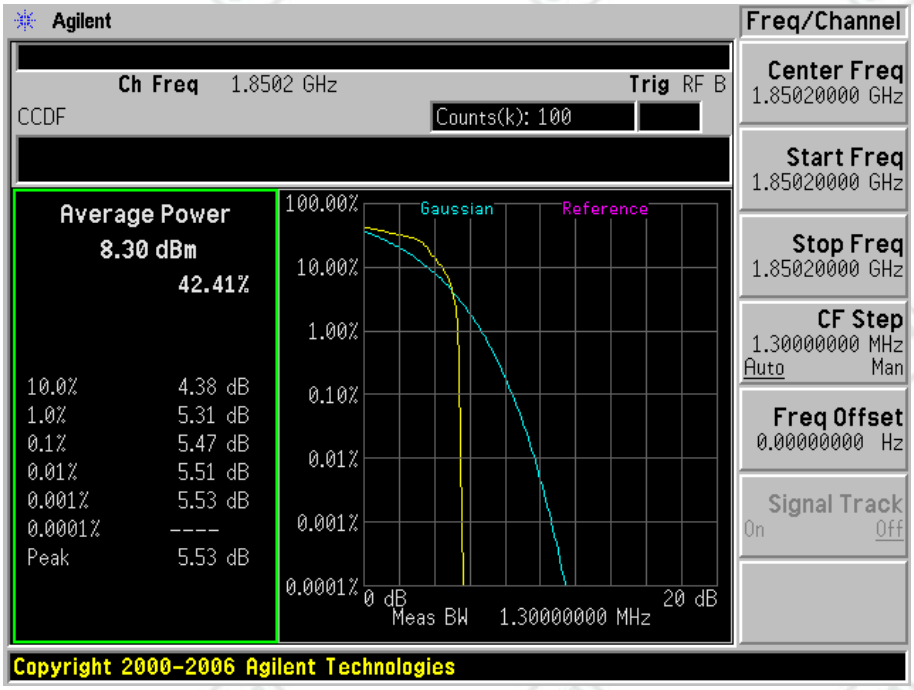


1.1.2.3 Test Channel=HCH

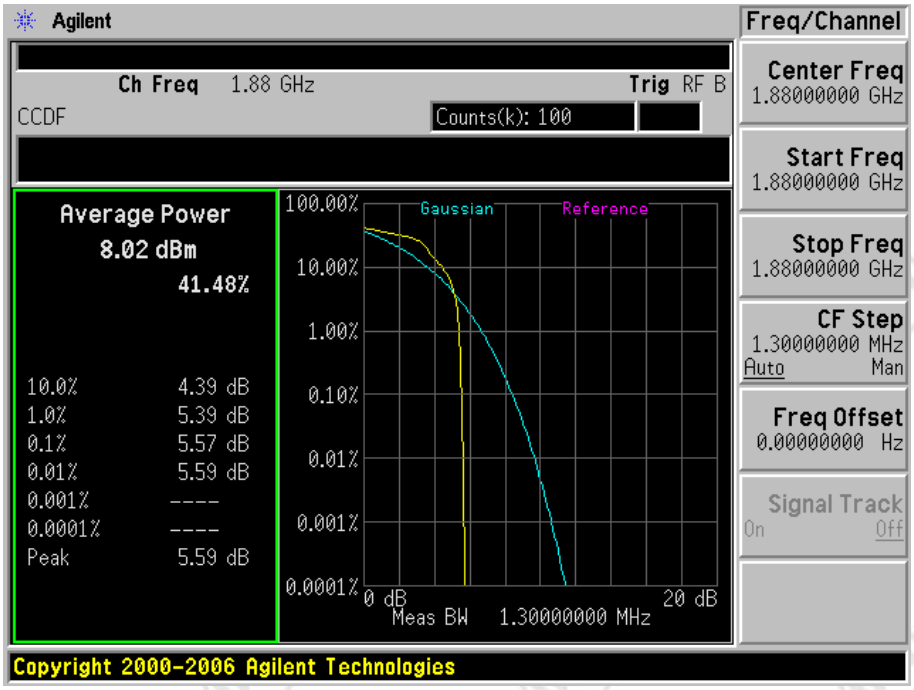


1.1.3 Test Mode=UMTS/TM3

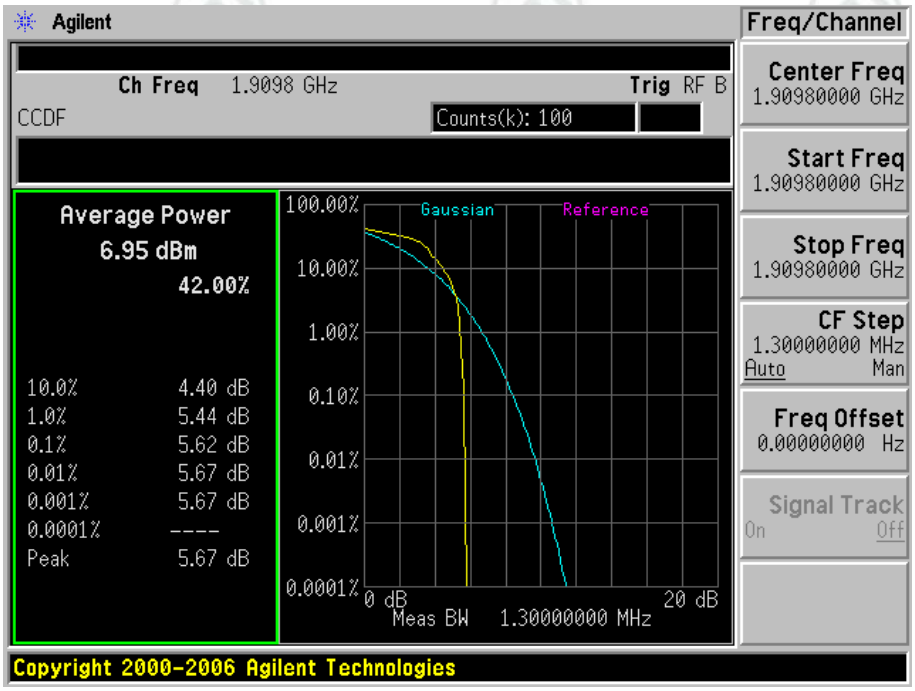
1.1.3.1 Test Channel=LCH



1.1.3.2 Test Channel=MCH



1.1.3.3 Test Channel=HCH

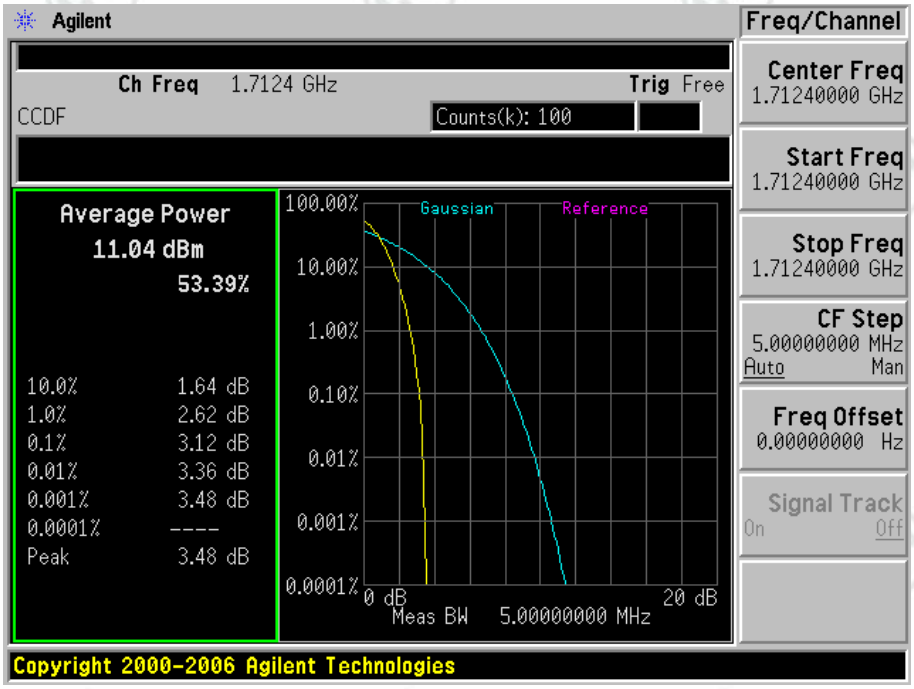


2 For WCDMA

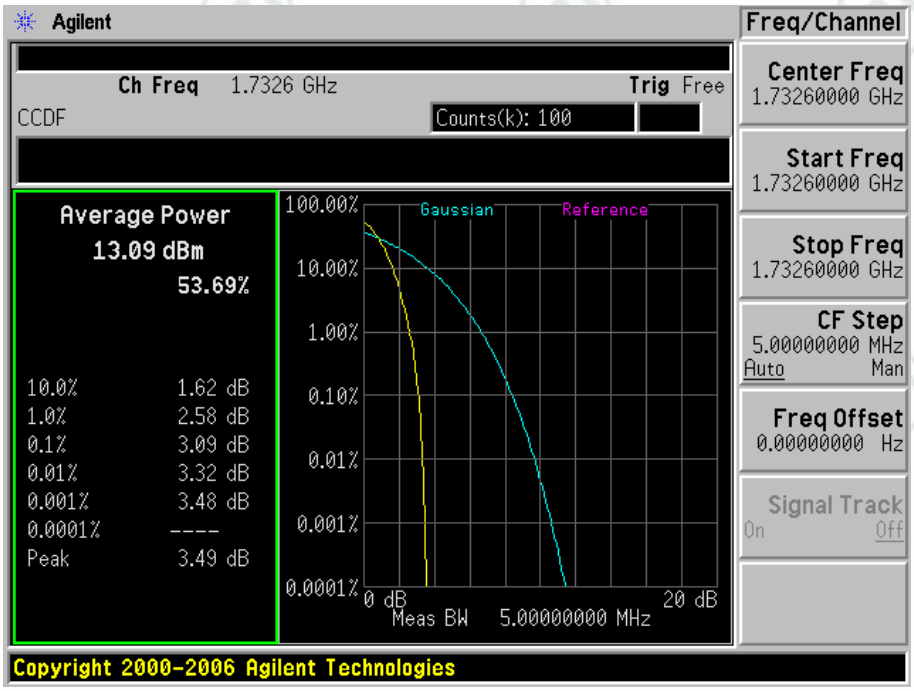
2.1 Test Band=WCDMA1700

2.1.1 Test Mode=UMTS/TM1

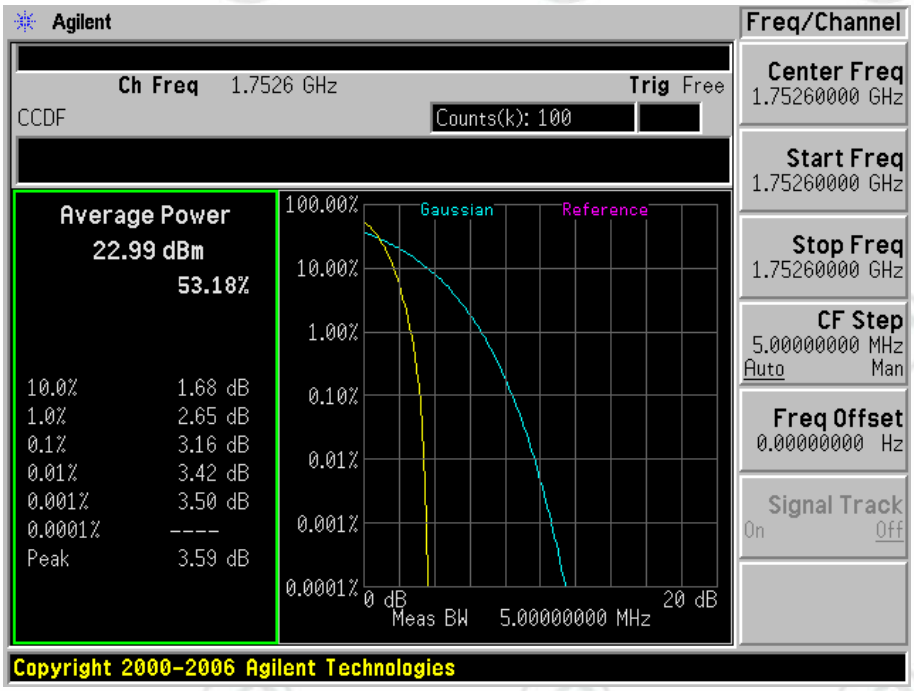
2.1.1.1 Test Channel=LCH



2.1.1.2 Test Channel=MCH

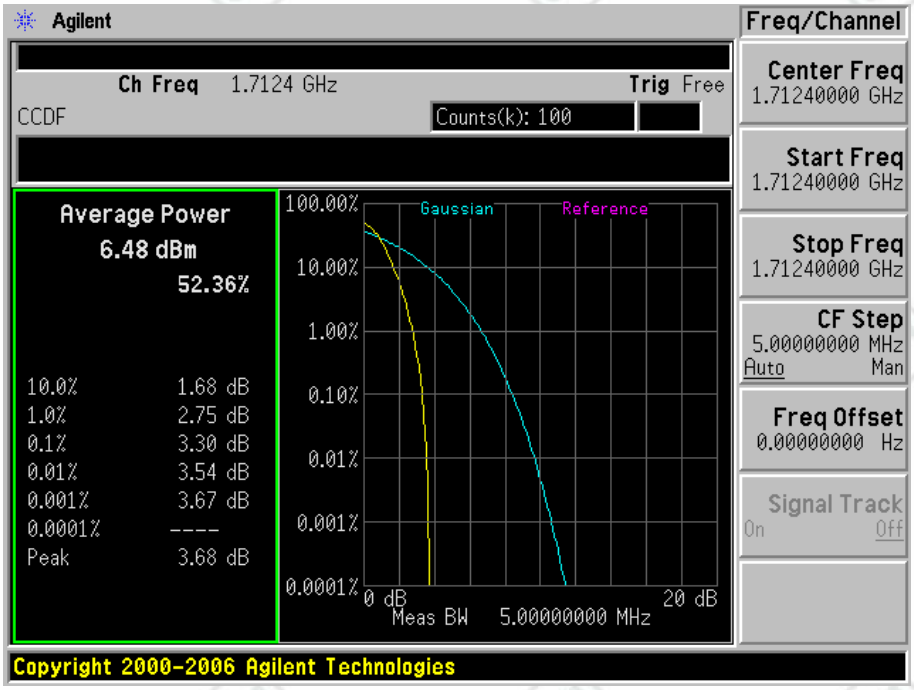


2.1.1.3 Test Channel=HCH

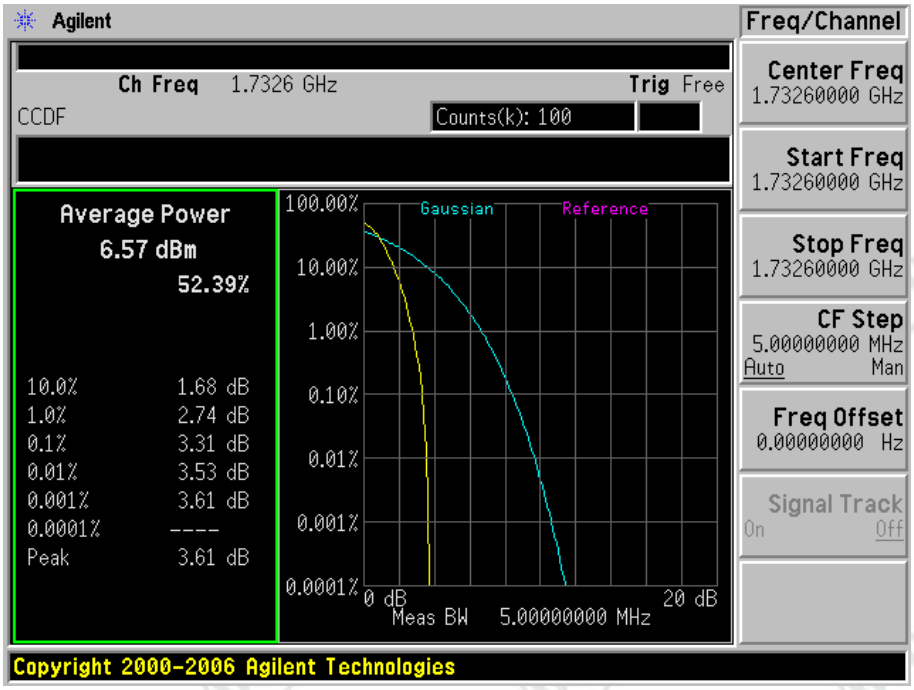


2.1.2 Test Mode=UMTS/TM2

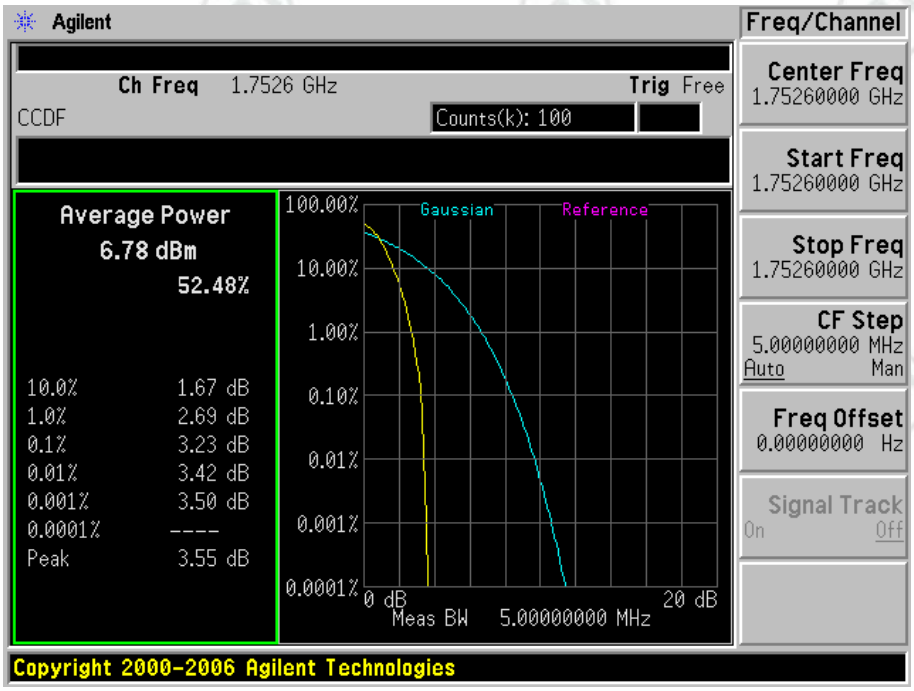
2.1.2.1 Test Channel=LCH



2.1.2.2 Test Channel=MCH

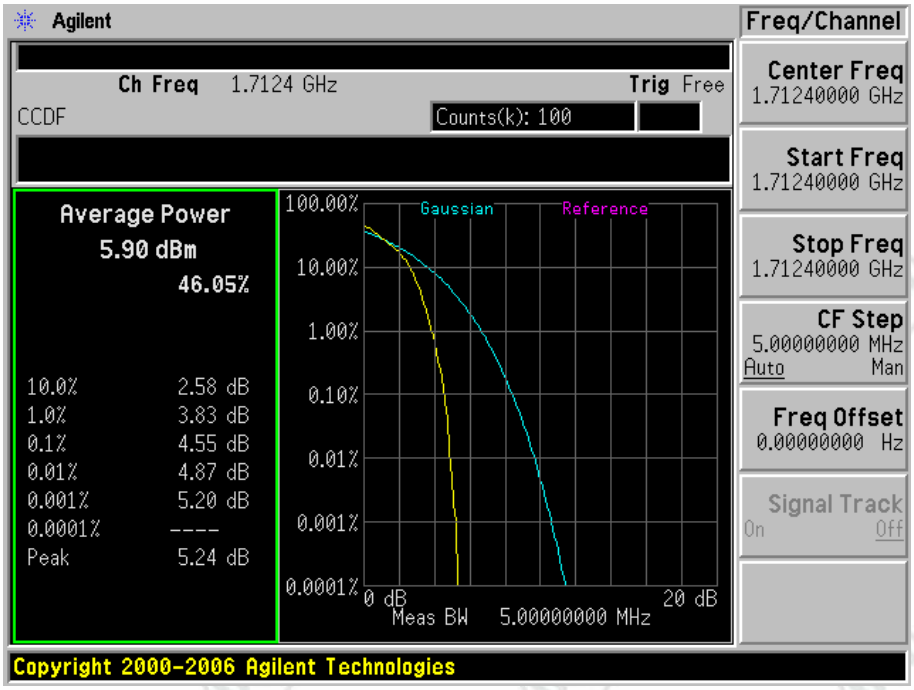


2.1.2.3 Test Channel=HCH

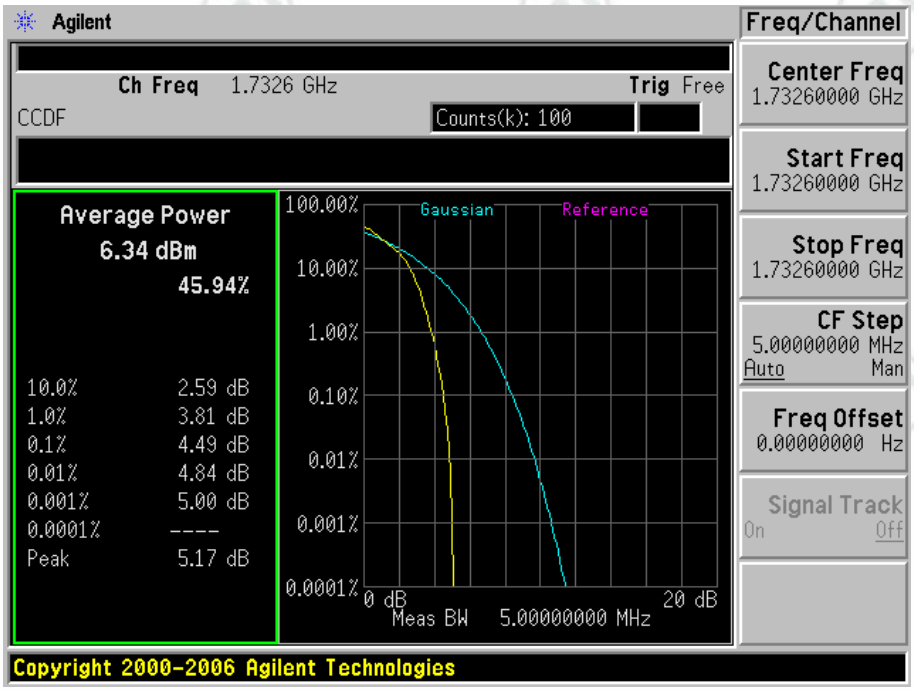


2.1.3 Test Mode=UMTS/TM3

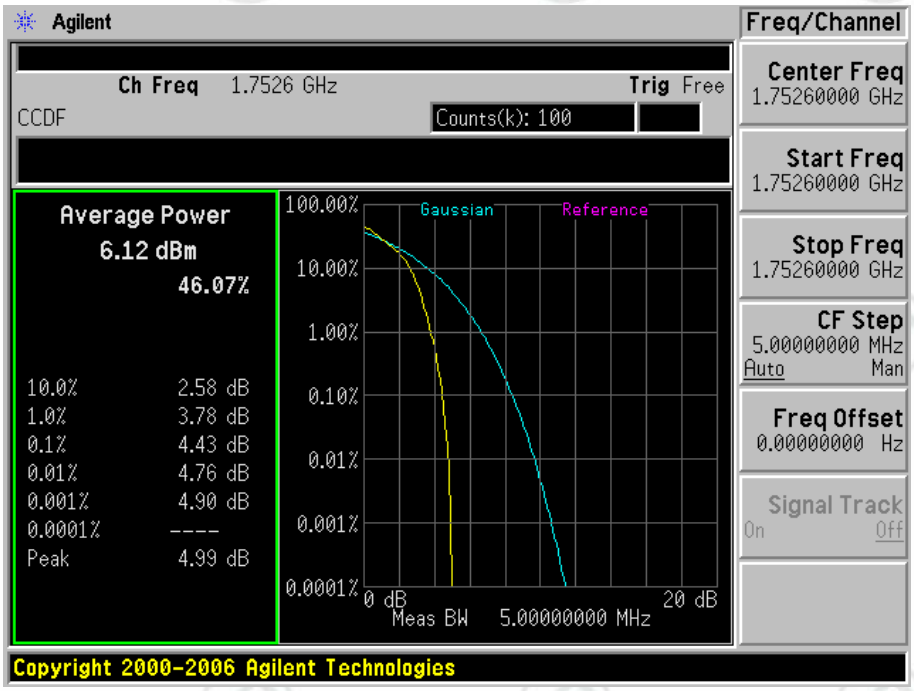
2.1.3.1 Test Channel=LCH



2.1.3.2 Test Channel=MCH



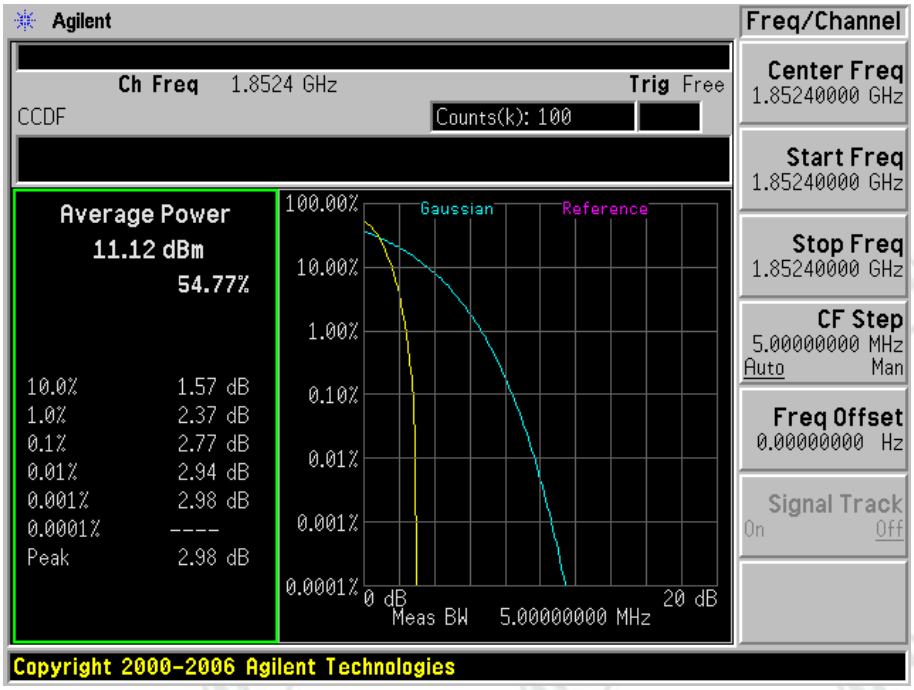
2.1.3.3 Test Channel=HCH



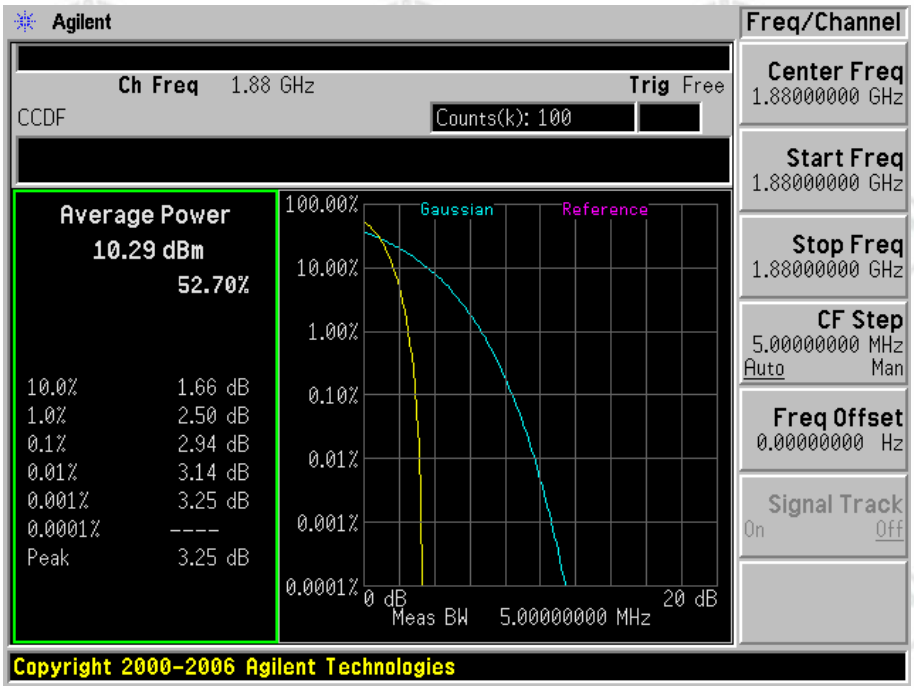
2.2 Test Band=WCDMA1900

2.2.1 Test Mode=UMTS/TM1

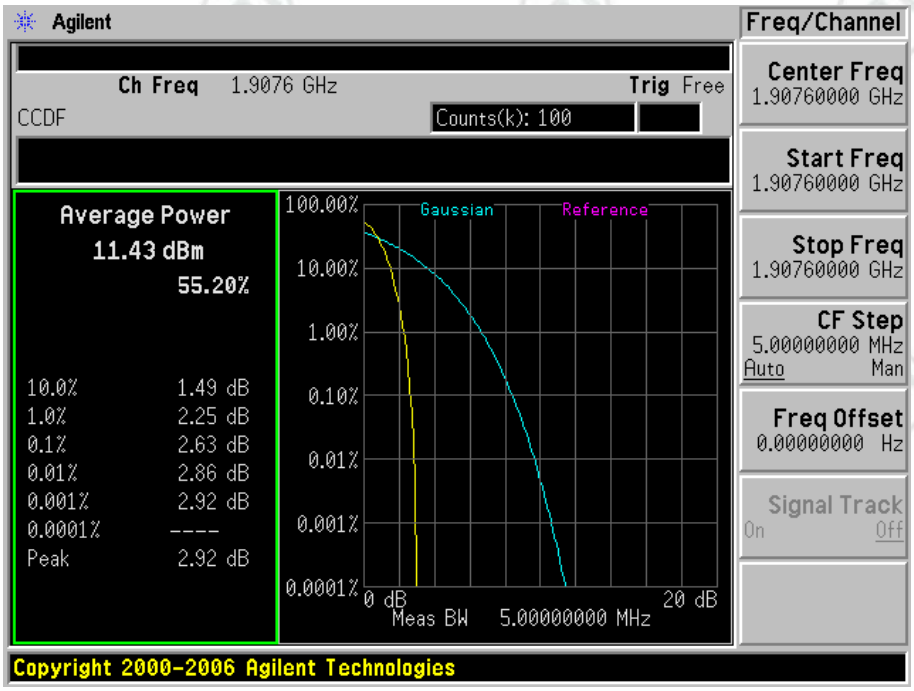
2.2.1.1 Test Channel=LCH



2.2.1.2 Test Channel=MCH

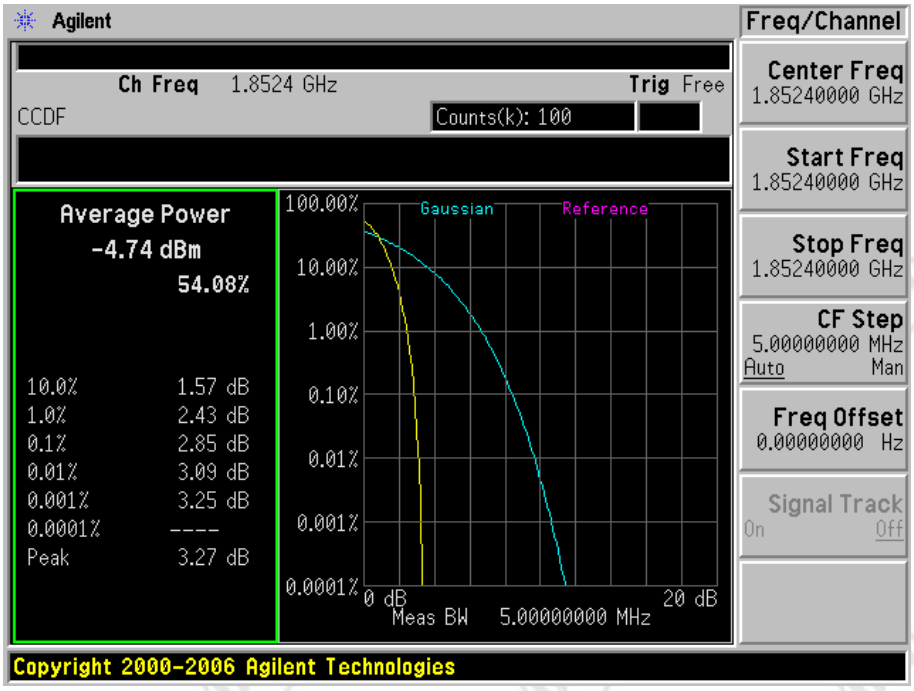


2.2.1.3 Test Channel=HCH

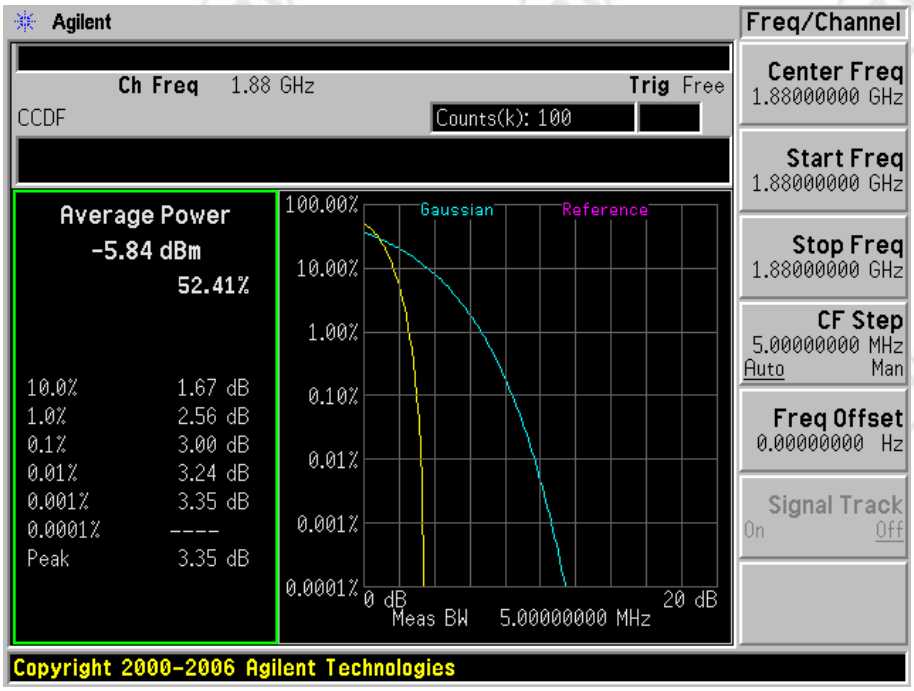


2.2.2 Test Mode=UMTS/TM2

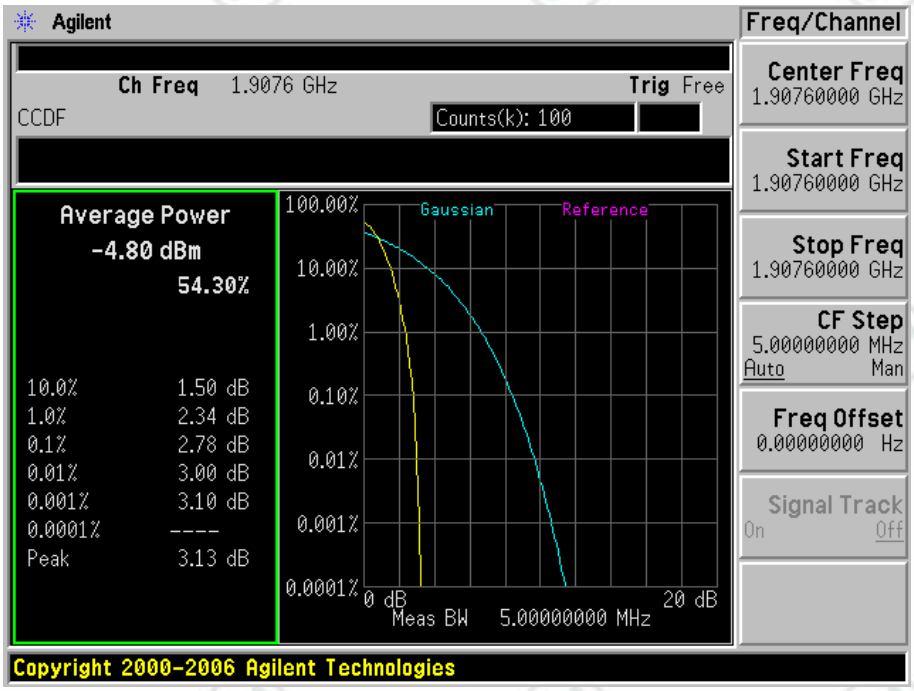
2.2.2.1 Test Channel=LCH



2.2.2.2 Test Channel=MCH

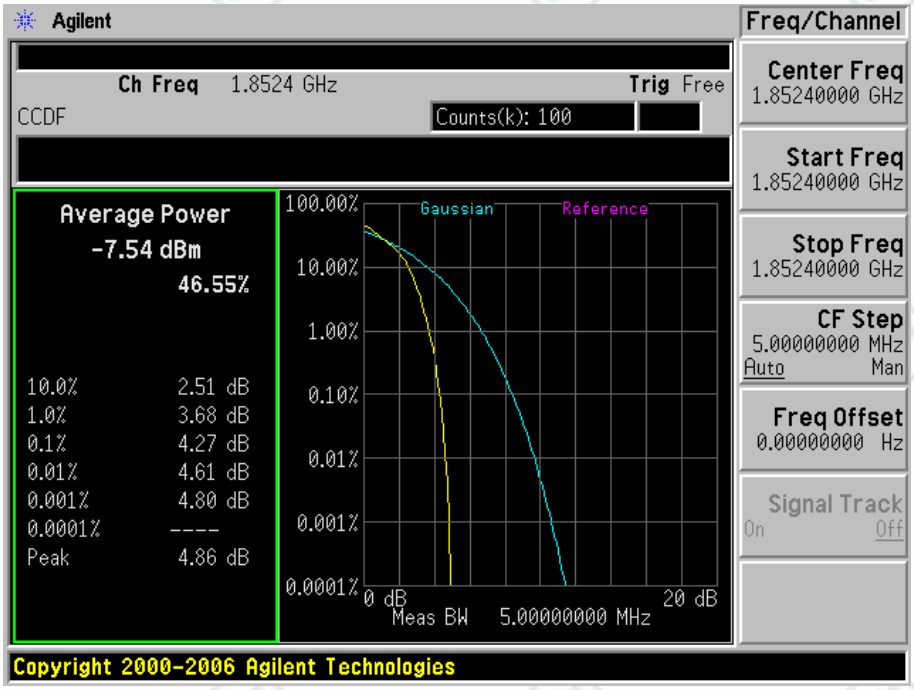


2.2.2.3 Test Channel=HCH

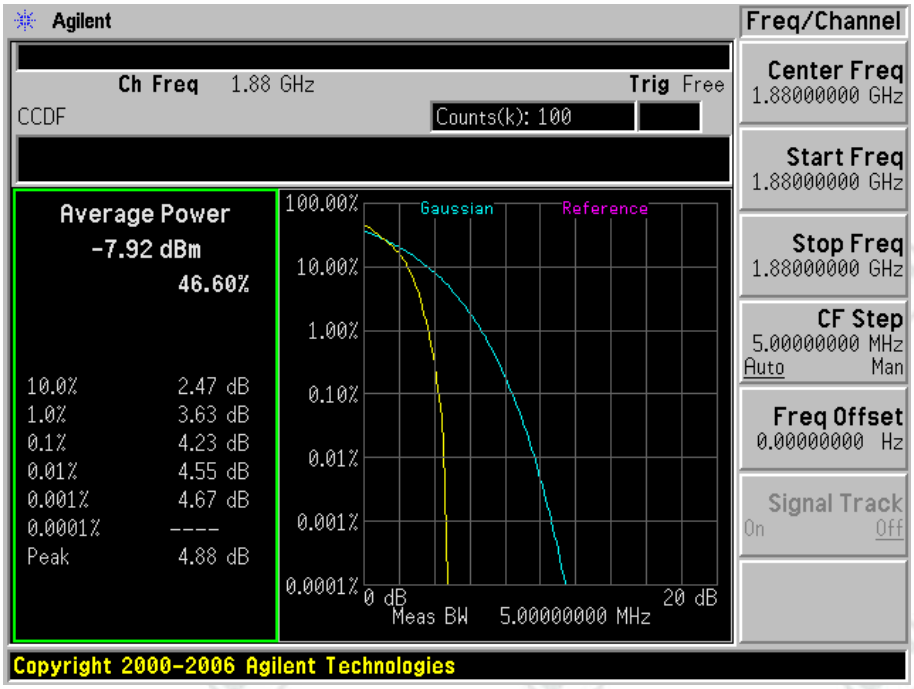


2.2.3 Test Mode=UMTS/TM3

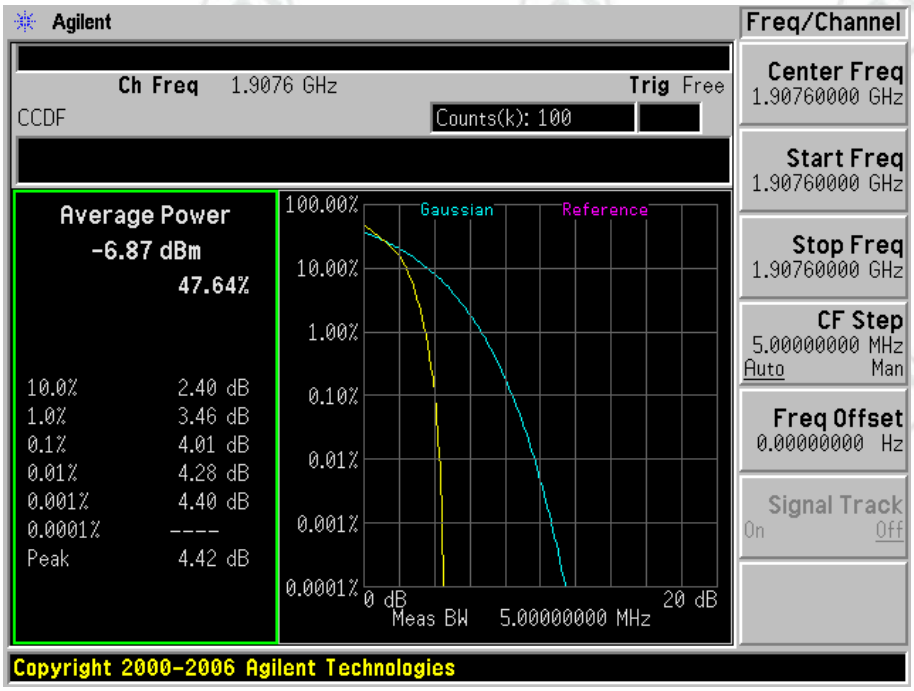
2.2.3.1 Test Channel=LCH



2.2.3.2 Test Channel=MCH



2.2.3.3 Test Channel=HCH



Appendix C): BandWidth

Test Requirement:	Part 2.1049(h)
Test Method:	Part 22.917(b)/Part 24.238(b)/Part 27.53(h)
Test Setup:	Refer to section 5 for details
Limit:	N/A
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel, middle channel and high channel).the resolution bandwidth of the analyser is set to 100kHz or 1% of the emission bandwidth, the EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.
Instruments Used:	Refer to section 7 for details
Test Results:	Pass

Test Band	Test Mode	Test Channel	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Verdict
GSM850	GSM/TM1	LCH	245.0	305	PASS
		MCH	245.2	305	PASS
		HCH	245.8	304	PASS
	GSM/TM2	LCH	245.3	321	PASS
		MCH	245.5	317	PASS
		HCH	245.1	312	PASS
	GSM/TM3	LCH	245.3	316	PASS
		MCH	244.9	311	PASS
		HCH	244.3	310	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Verdict
GSM1900	GSM/TM1	LCH	247.1	306	PASS
		MCH	246.4	304	PASS
		HCH	245.0	304	PASS
	GSM/TM2	LCH	246.5	315	PASS
		MCH	245.7	317	PASS
		HCH	245.7	323	PASS

	GSM/TM3	LCH	241.1	310	PASS
		MCH	241.2	311	PASS
		HCH	240.0	307	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Verdict
WCDMA850	UMTS/TM1	LCH	4133.1	4677	PASS
		MCH	4156.6	4727	PASS
		HCH	4177.8	4703	PASS
WCDMA850	UMTS/TM2	LCH	4127.3	4654	PASS
		MCH	4155.4	4683	PASS
		HCH	4144.0	4671	PASS
WCDMA850	UMTS/TM3	LCH	4170.7	4676	PASS
		MCH	4180.3	4723	PASS
		HCH	4141.7	4707	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Verdict
WCDMA1700	UMTS/TM1	LCH	4148.6	4694	PASS
		MCH	4152.2	4692	PASS
		HCH	4162.2	4707	PASS
WCDMA1700	UMTS/TM2	LCH	4146.8	4688	PASS
		MCH	4169.2	4692	PASS
		HCH	4150.4	4692	PASS
WCDMA1700	UMTS/TM3	LCH	4145.7	4714	PASS
		MCH	4153.5	4709	PASS
		HCH	4148.6	4704	PASS

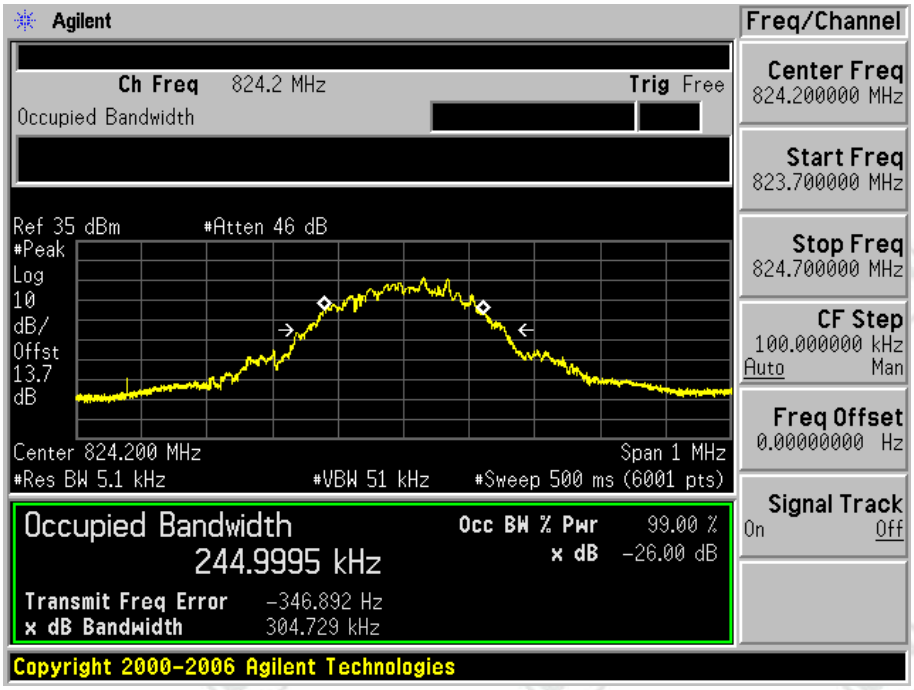
Test Band	Test Mode	Test Channel	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Verdict
WCDMA1900	UMTS/TM1	LCH	4158.2	4688	PASS
		MCH	4169.7	4691	PASS
		HCH	4146.4	4691	PASS
WCDMA1900	UMTS/TM2	LCH	4177.1	4707	PASS
		MCH	4170.6	4700	PASS
		HCH	4163.2	4705	PASS
WCDMA1900	UMTS/TM3	LCH	4158.7	4702	PASS
		MCH	4170.1	4703	PASS
		HCH	4142.5	4719	PASS

For GSM

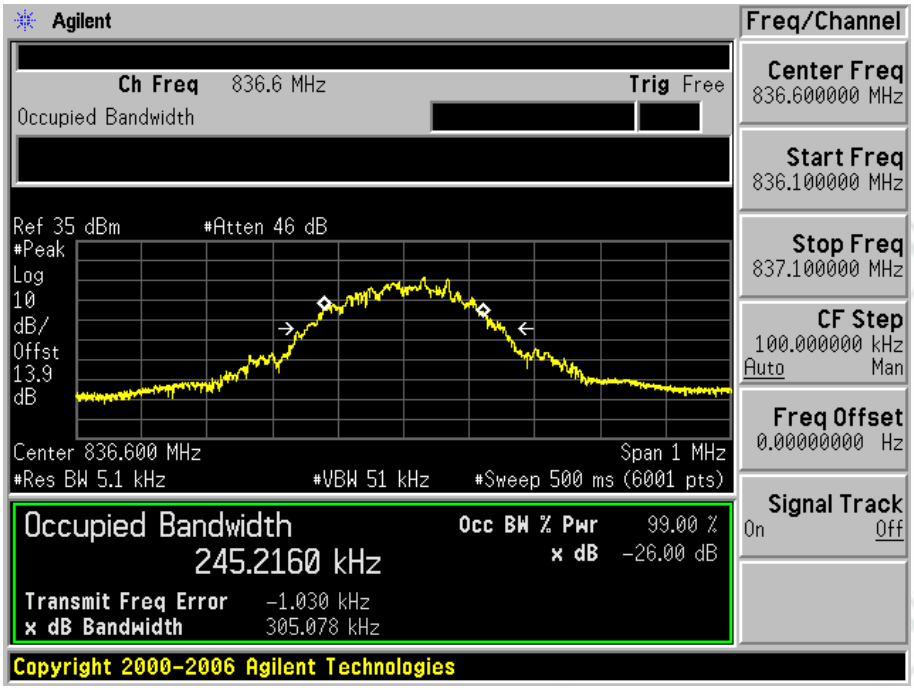
Test Band=GSM850

Test Mode=GSM/TM1

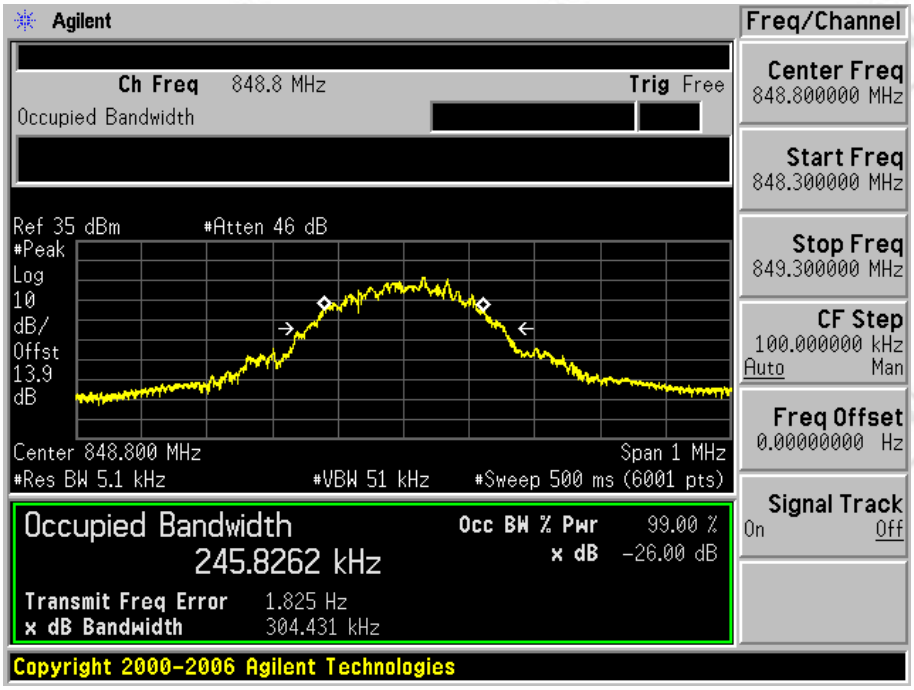
Test Channel=LCH



Test Channel=MCH

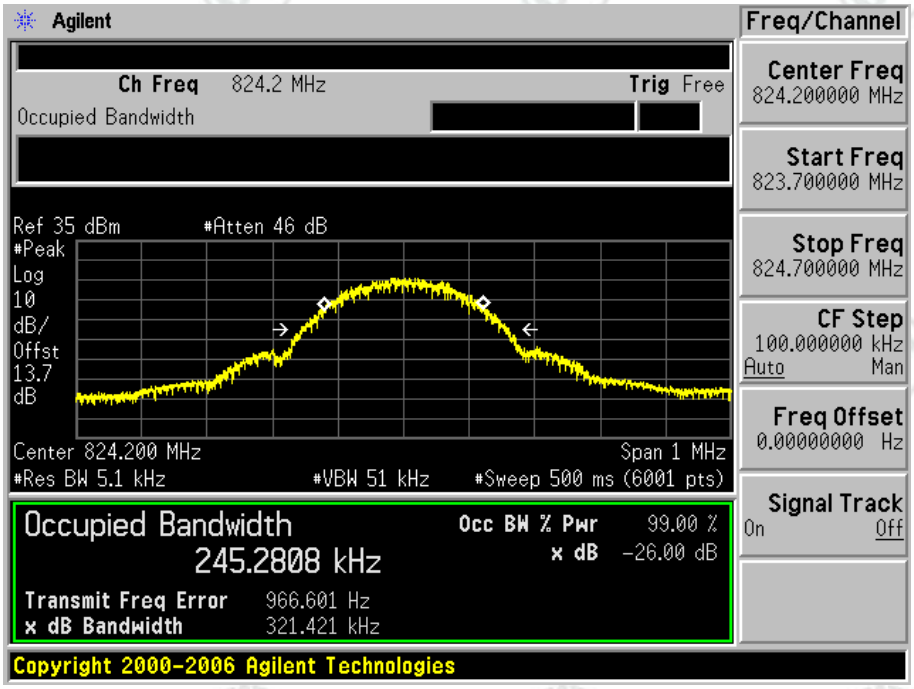


Test Channel=HCH

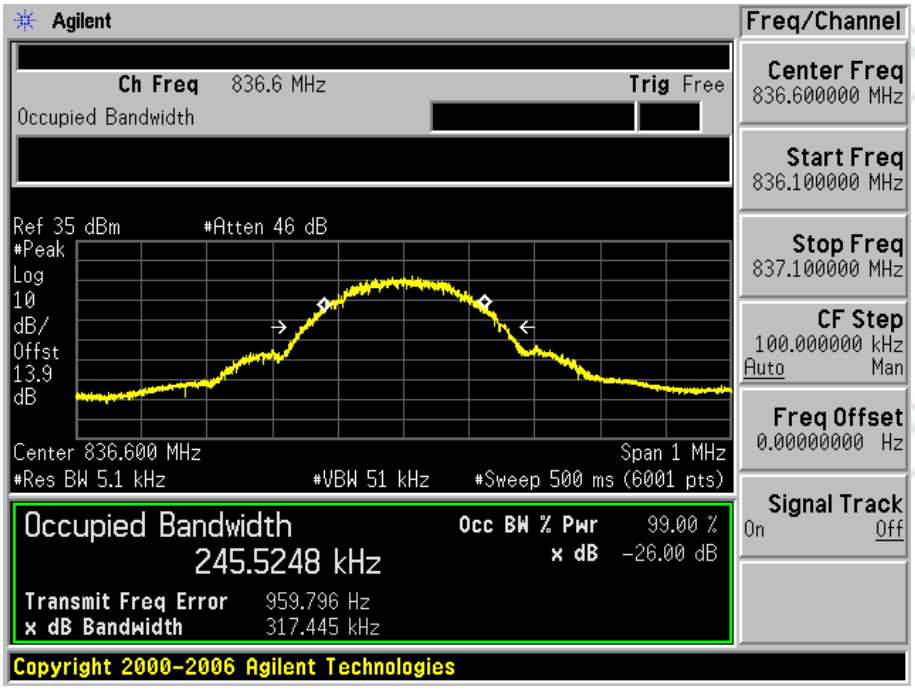


Test Mode=GSM/TM2

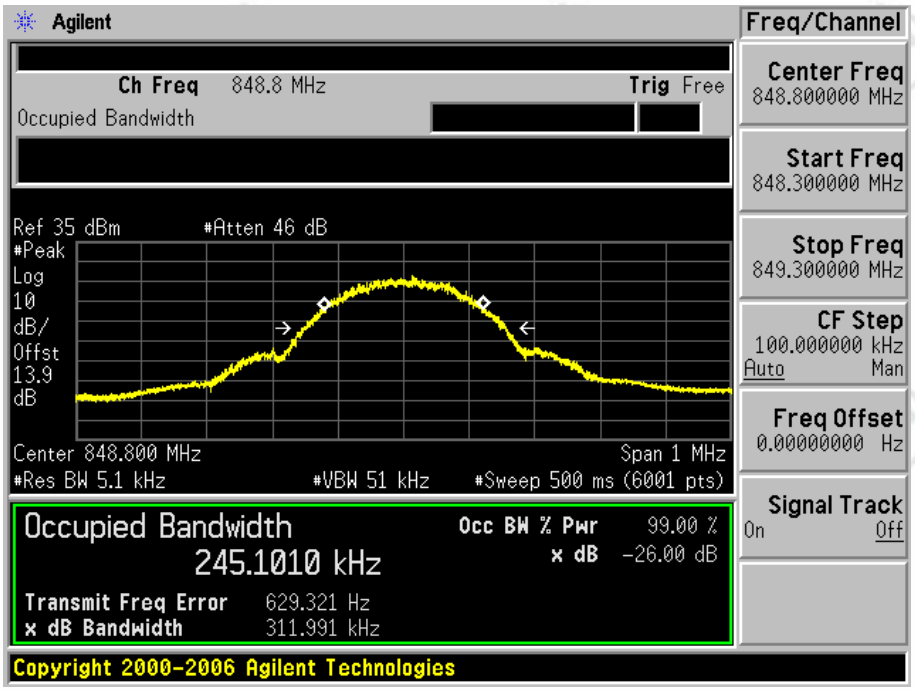
Test Channel=LCH



Test Channel=MCH

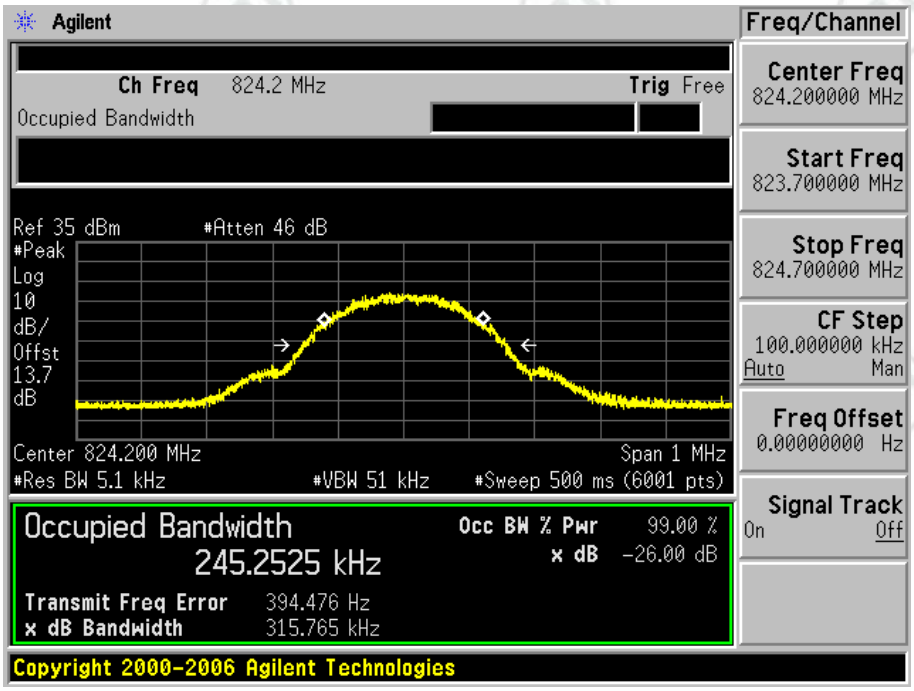


Test Channel=HCH

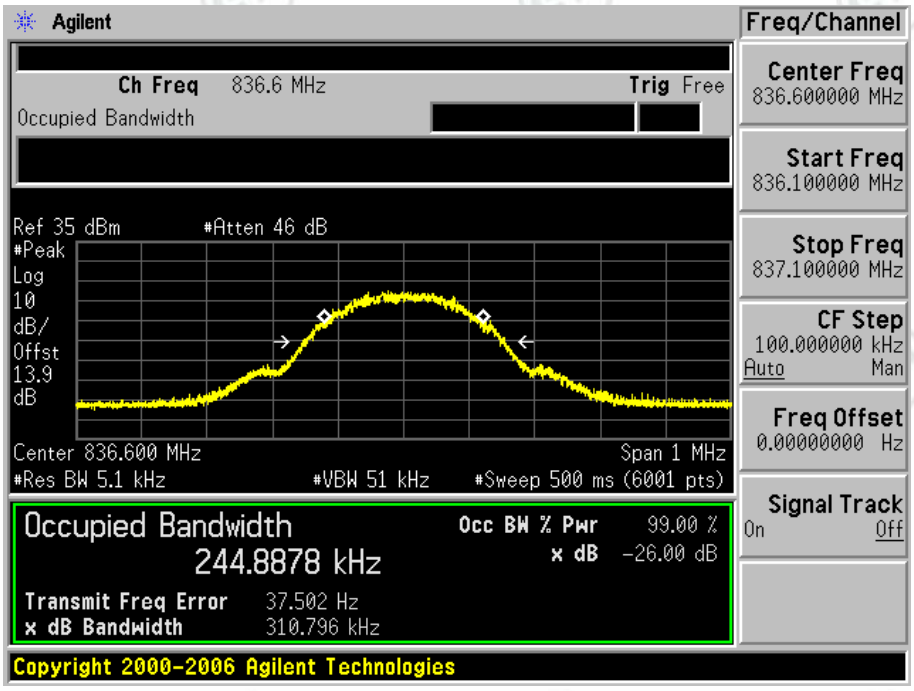


Test Mode=GSM/TM3

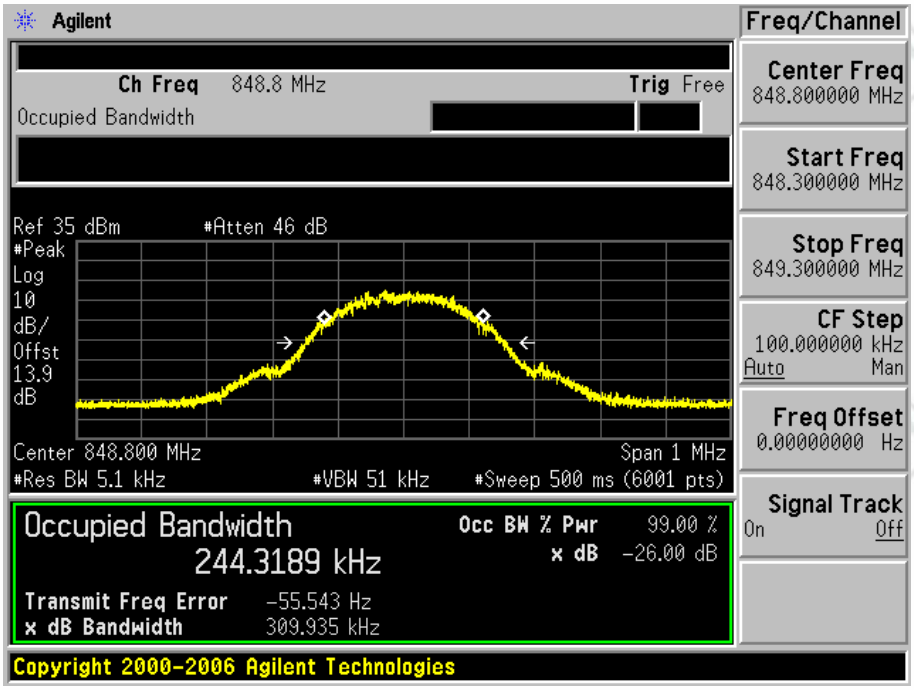
Test Channel=LCH



Test Channel=MCH



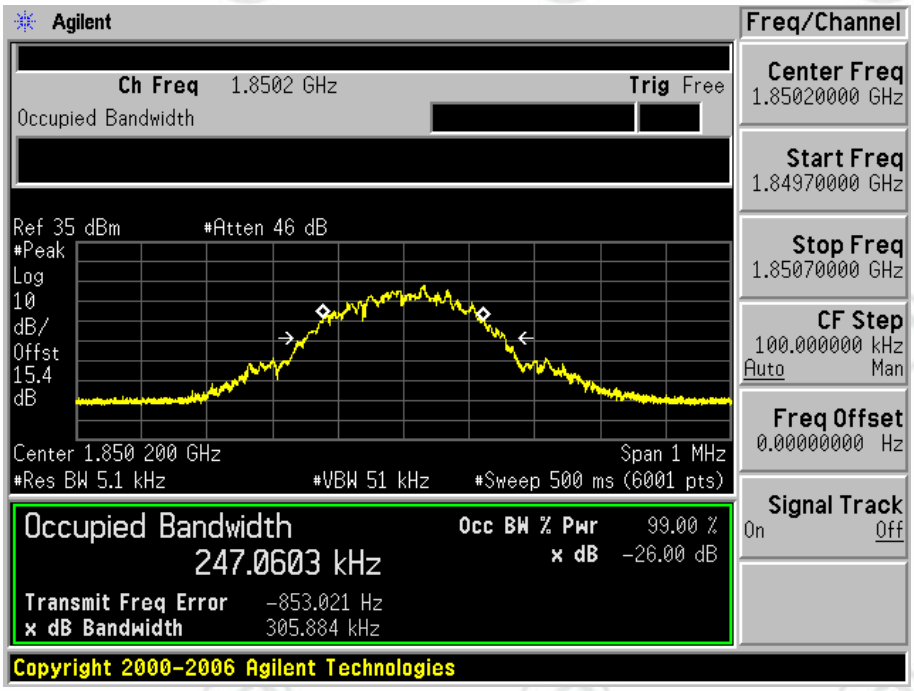
Test Channel=HCH



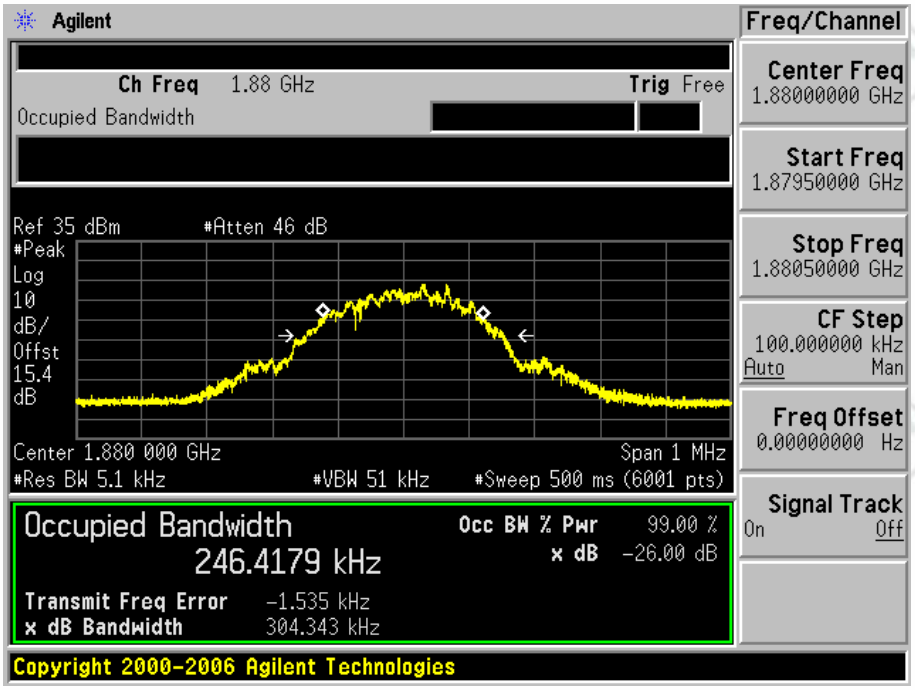
Test Band=GSM1900

Test Mode=GSM/TM1

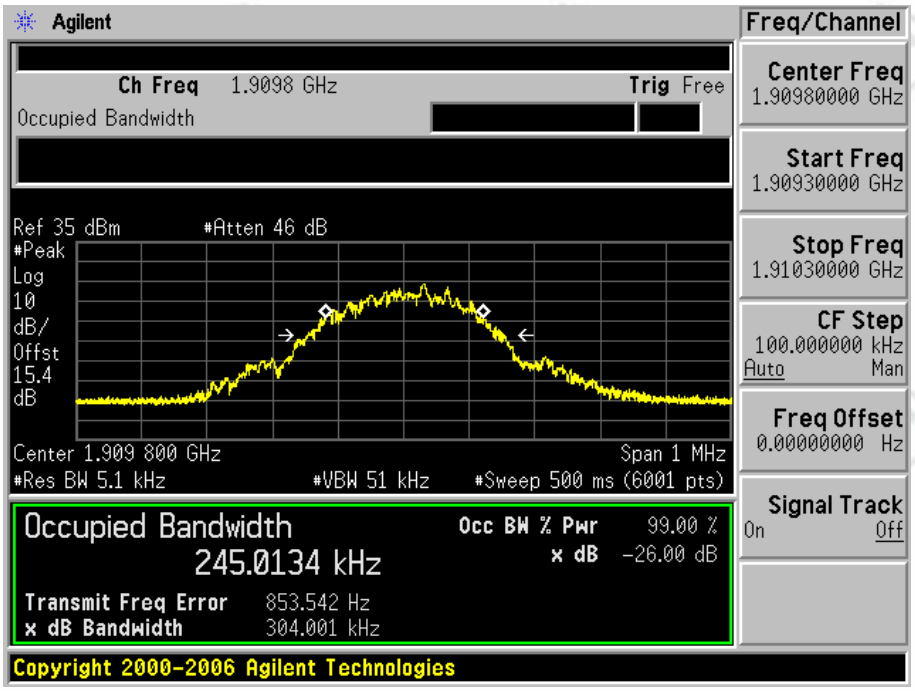
Test Channel=LCH



Test Channel=MCH

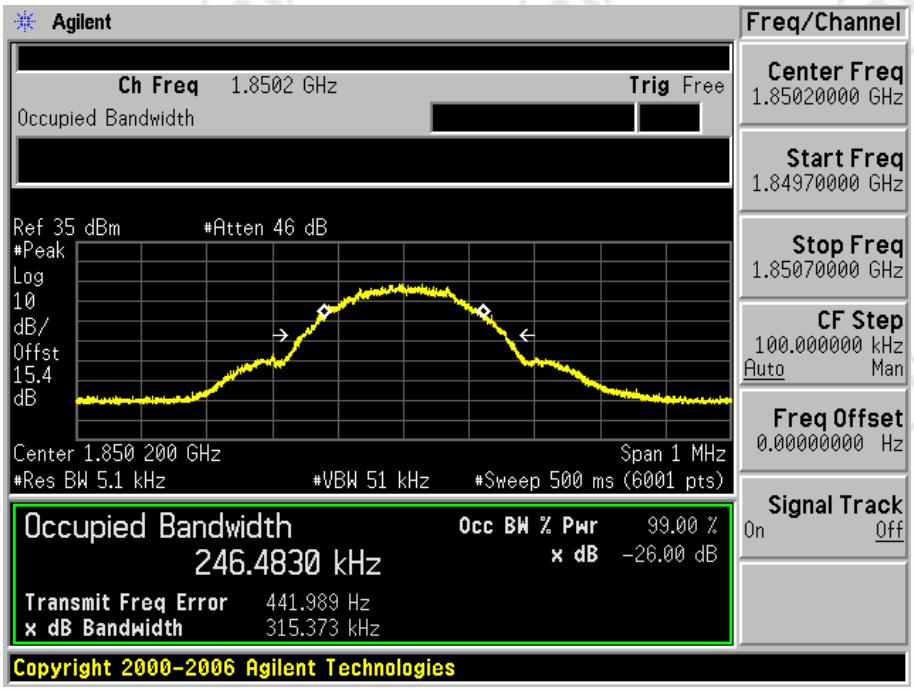


Test Channel=HCH

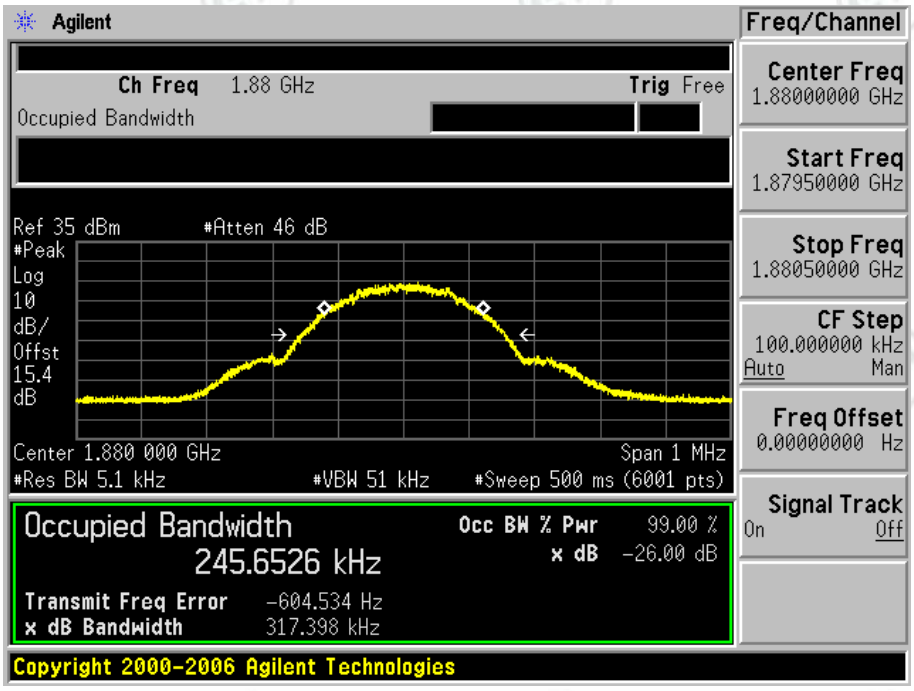


Test Mode=GSM/TM2

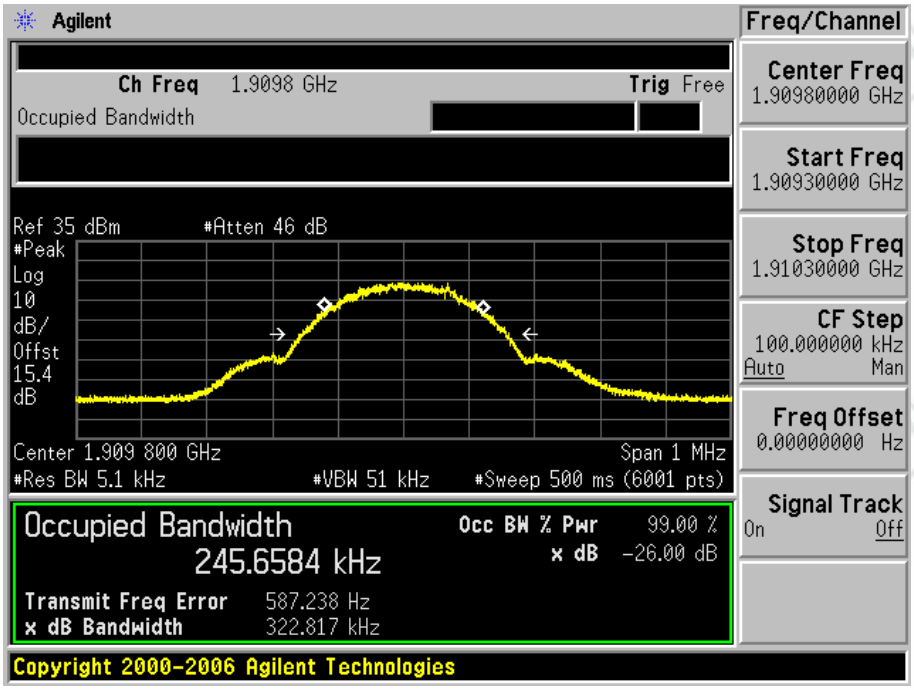
Test Channel=LCH



Test Channel=MCH

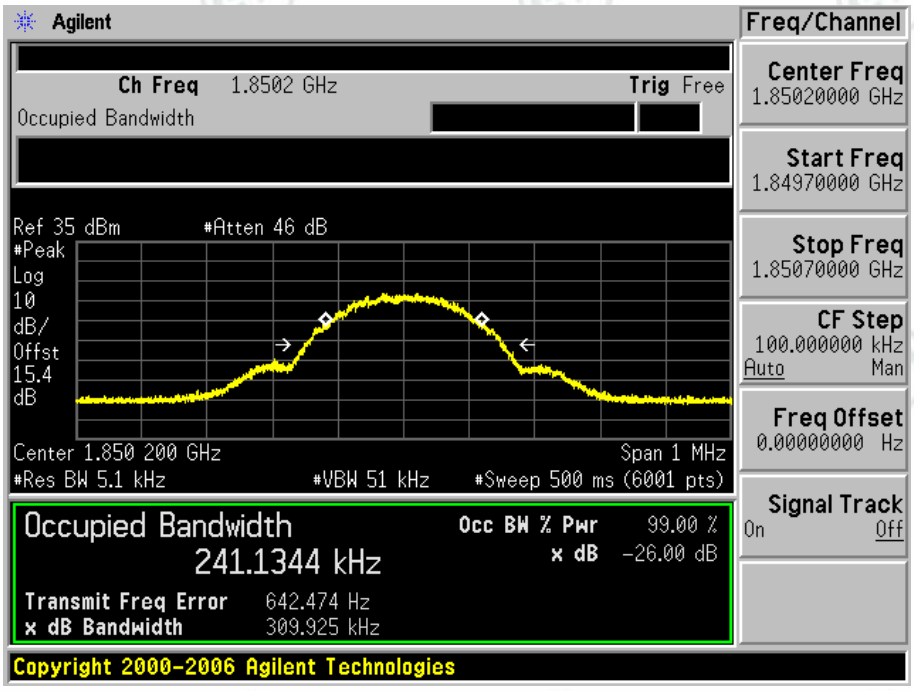


Test Channel=HCH

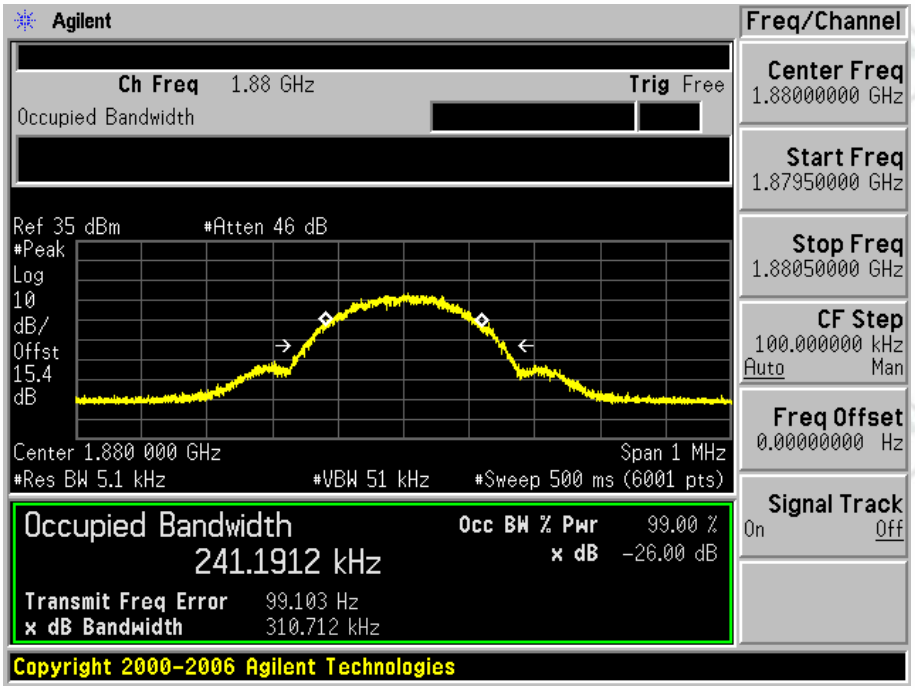


Test Mode=GSM/TM3

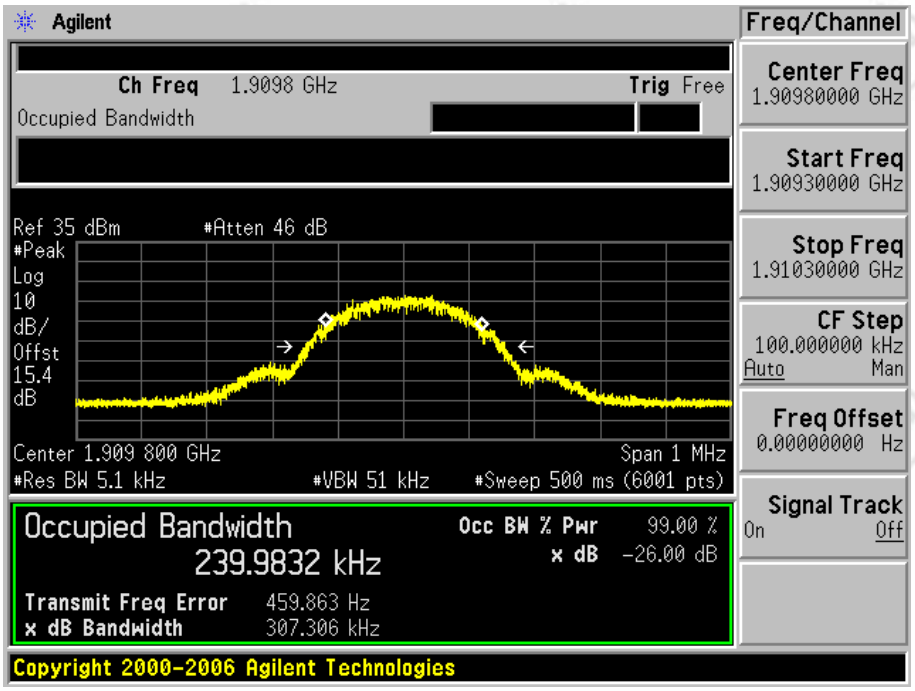
Test Channel=LCH



Test Channel=MCH



Test Channel=HCH

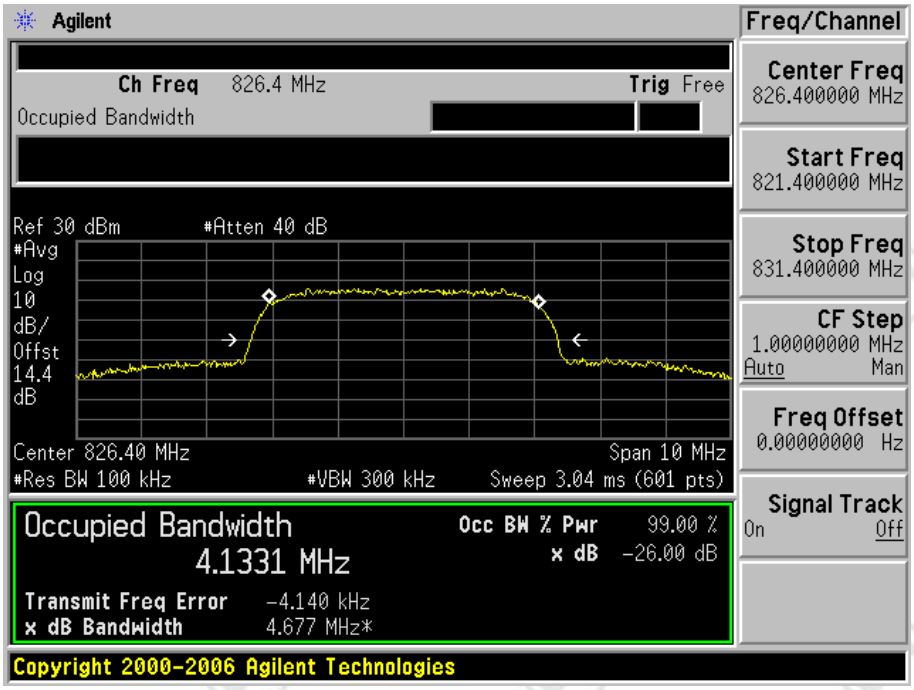


For WCDMA

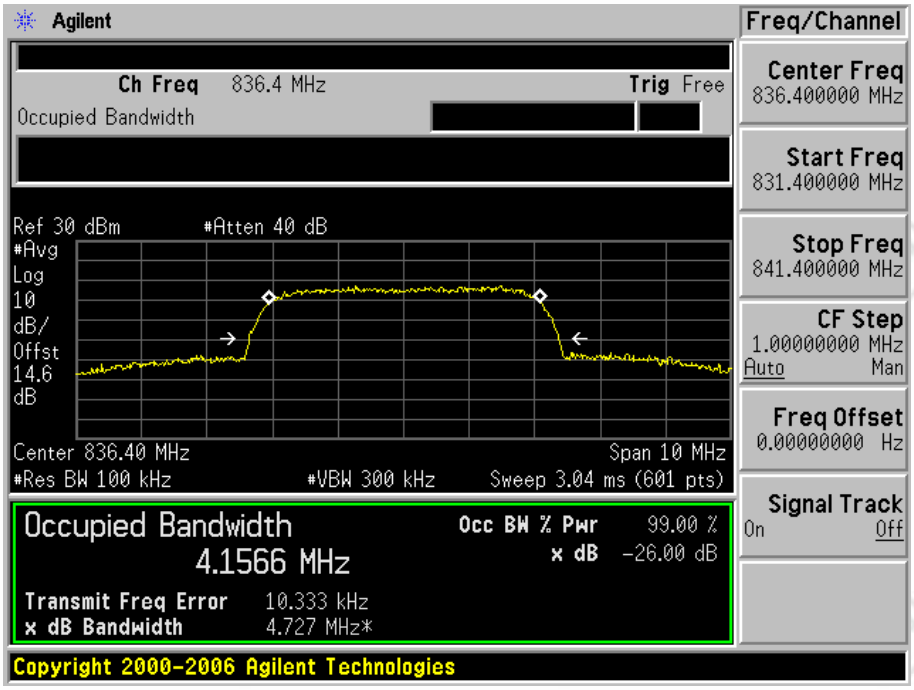
Test Band=WCDMA850

Test Mode=UMTS/TM1

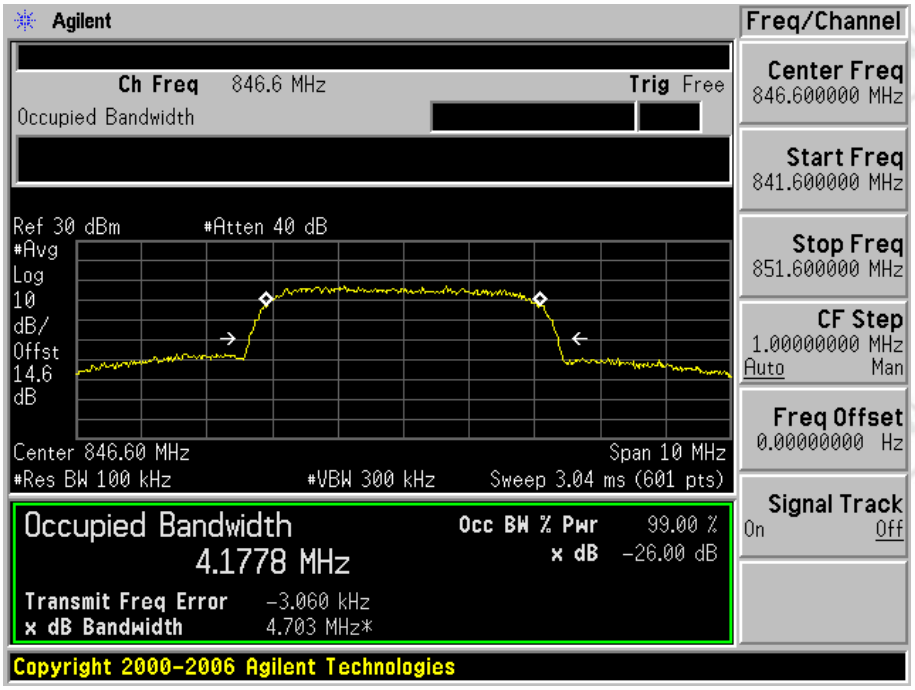
Test Channel=LCH



Test Channel=MCH

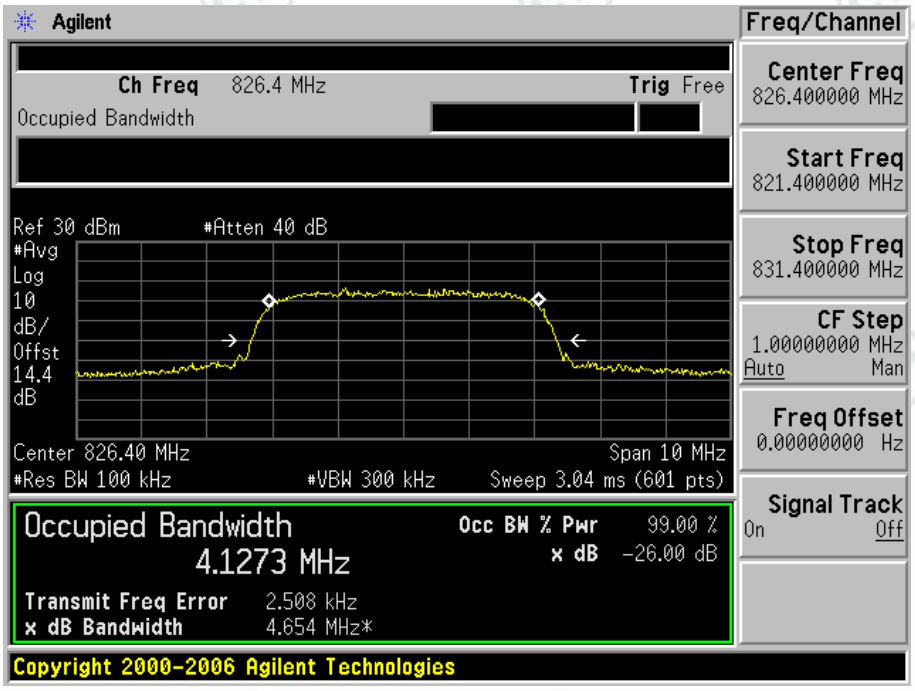


Test Channel=HCH

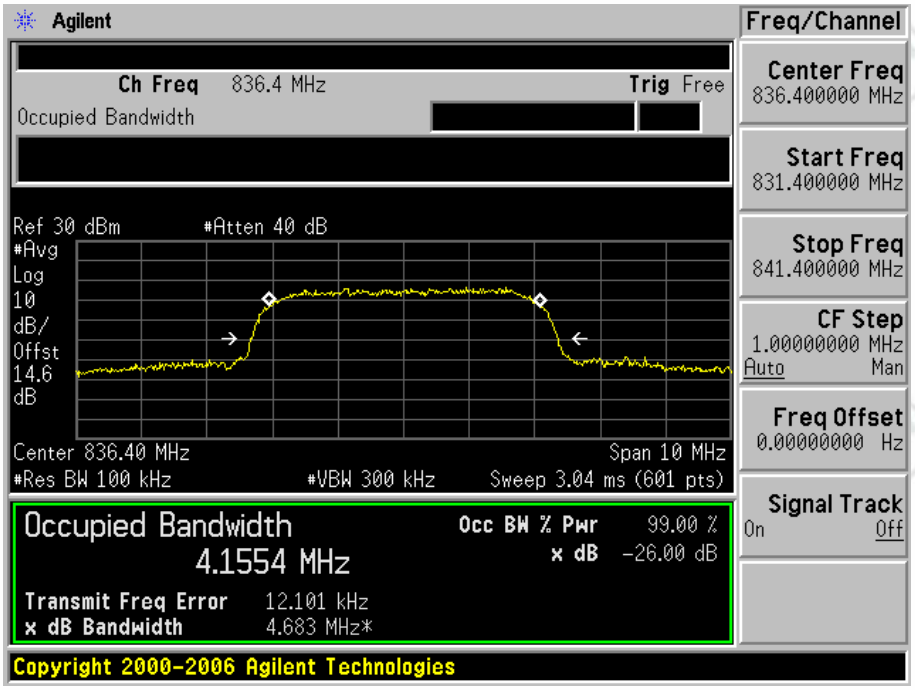


Test Mode=UMTS/TM2

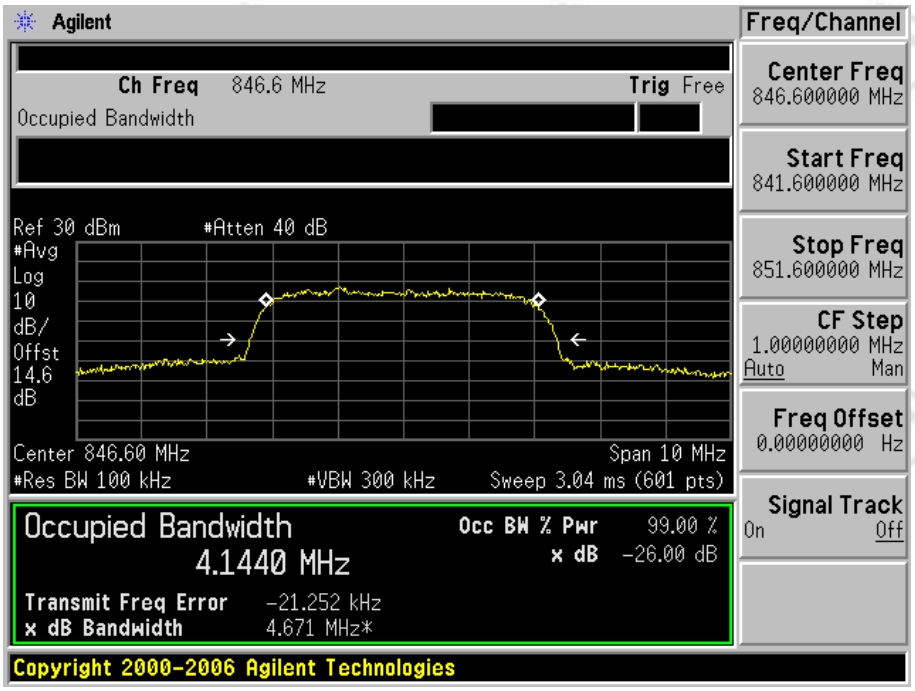
Test Channel=LCH



Test Channel=MCH

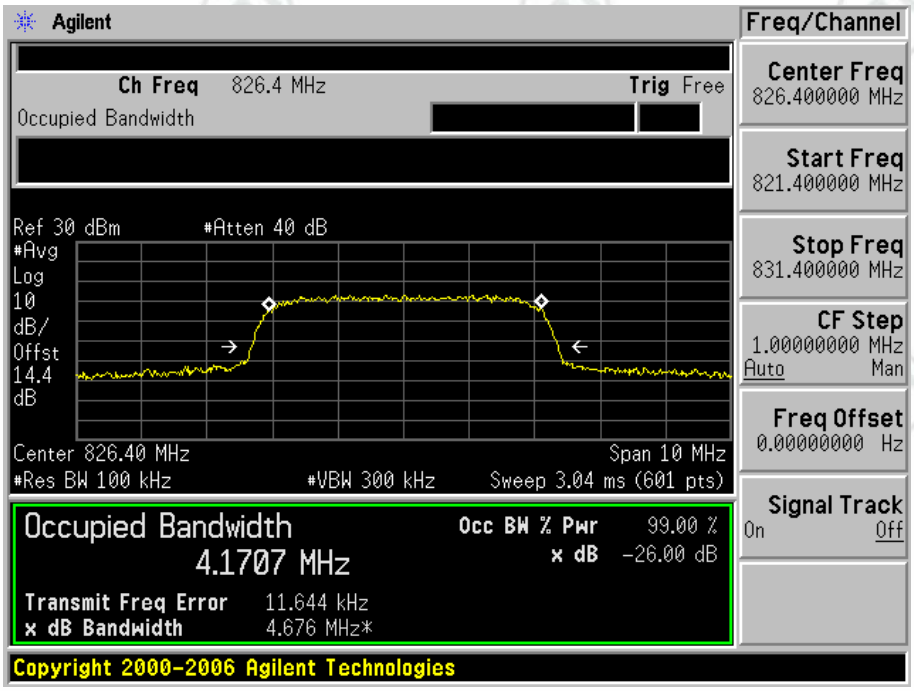


Test Channel=HCH

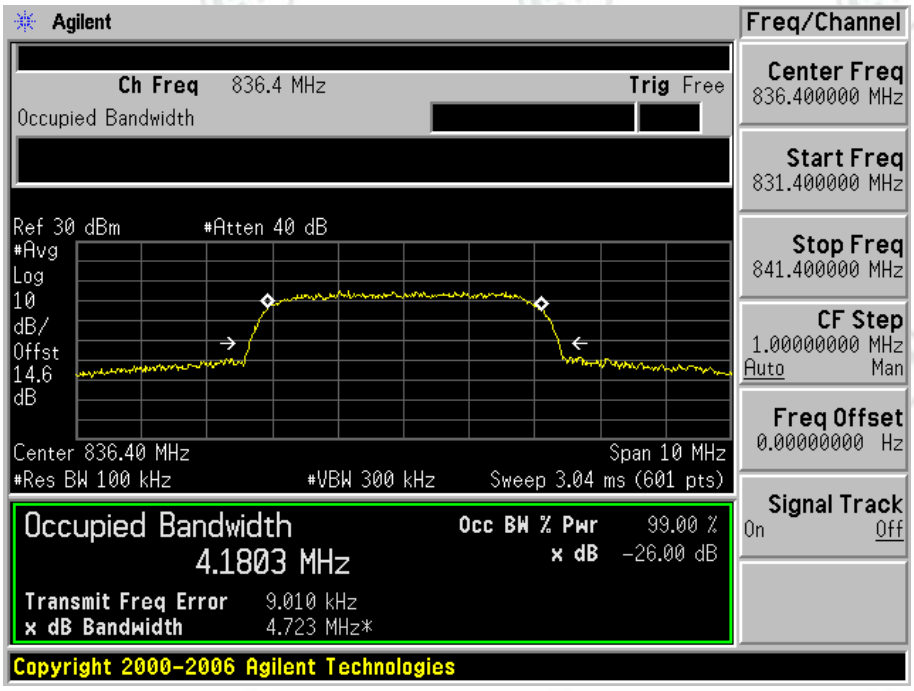


Test Mode=UMTS/TM3

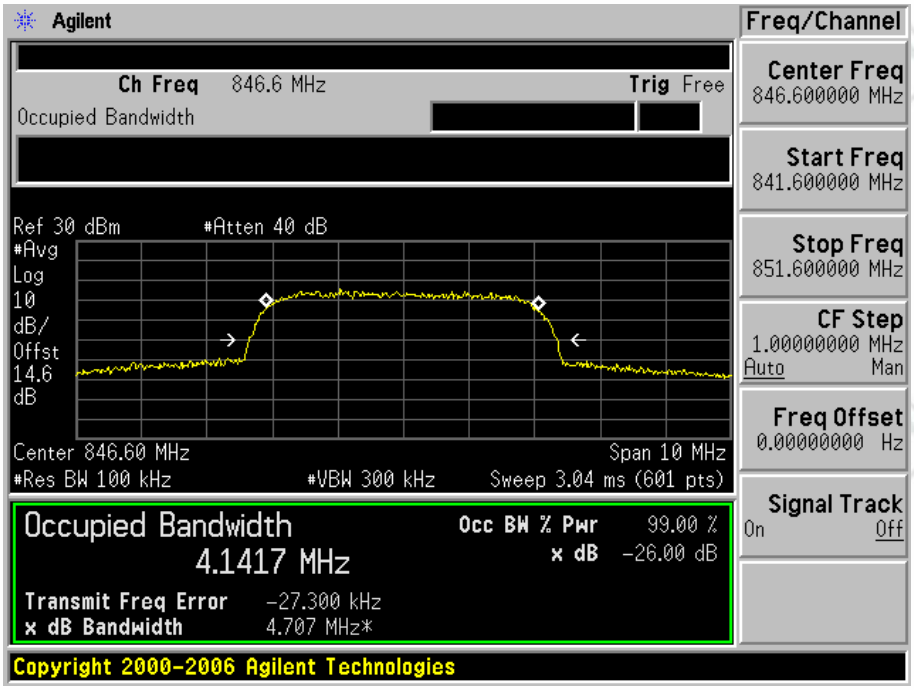
Test Channel=LCH



Test Channel=MCH



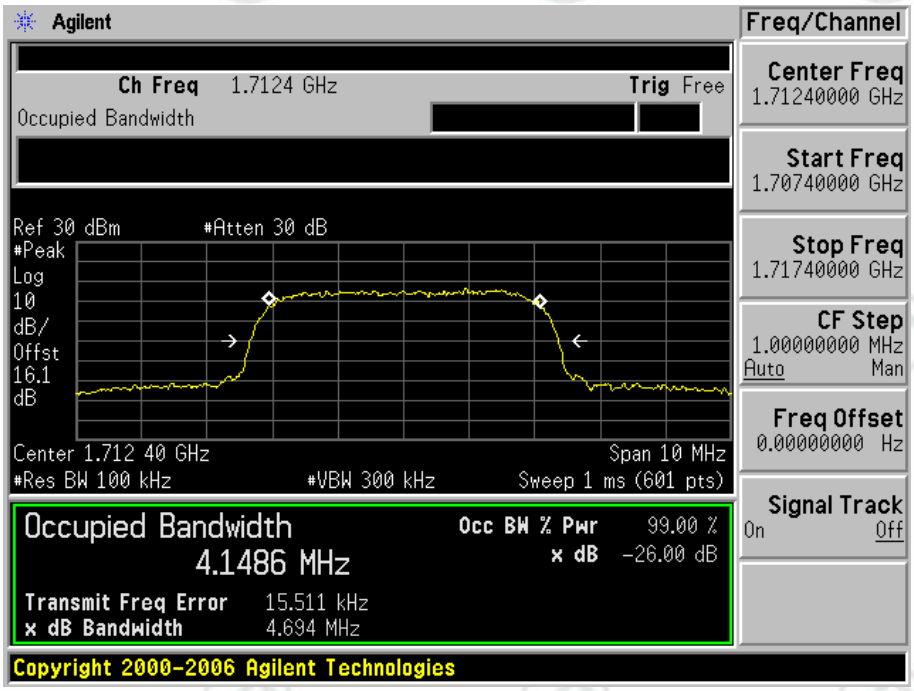
Test Channel=HCH



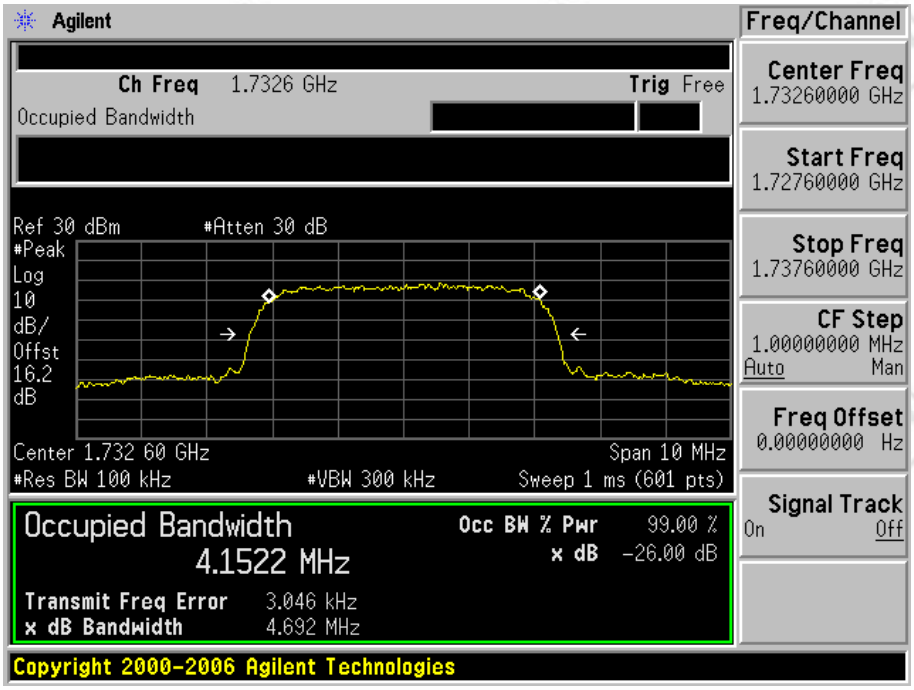
Test Band=WCDMA1700

Test Mode=UMTS/TM1

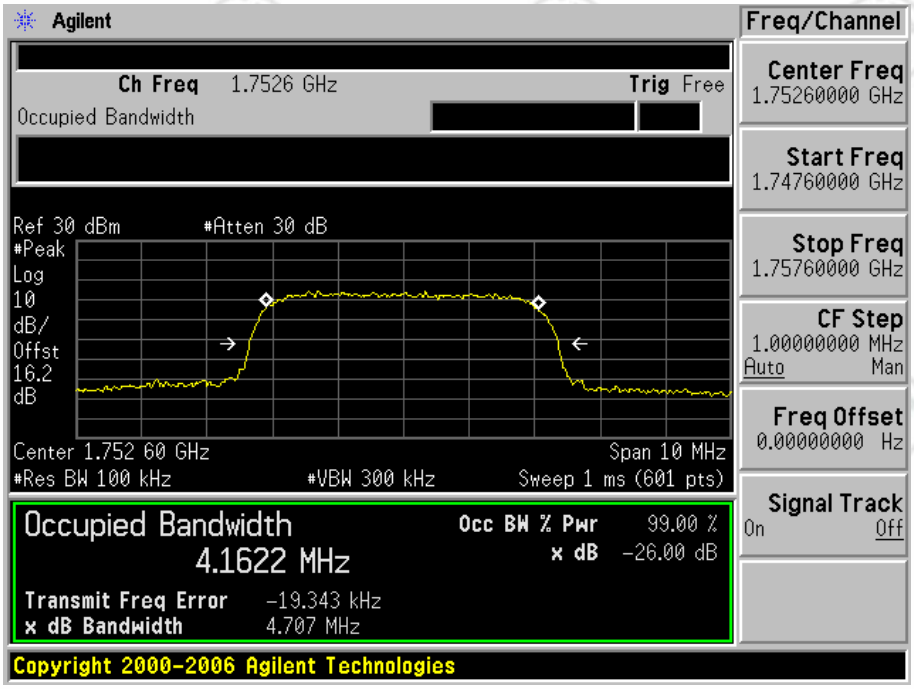
Test Channel=LCH



Test Channel=MCH

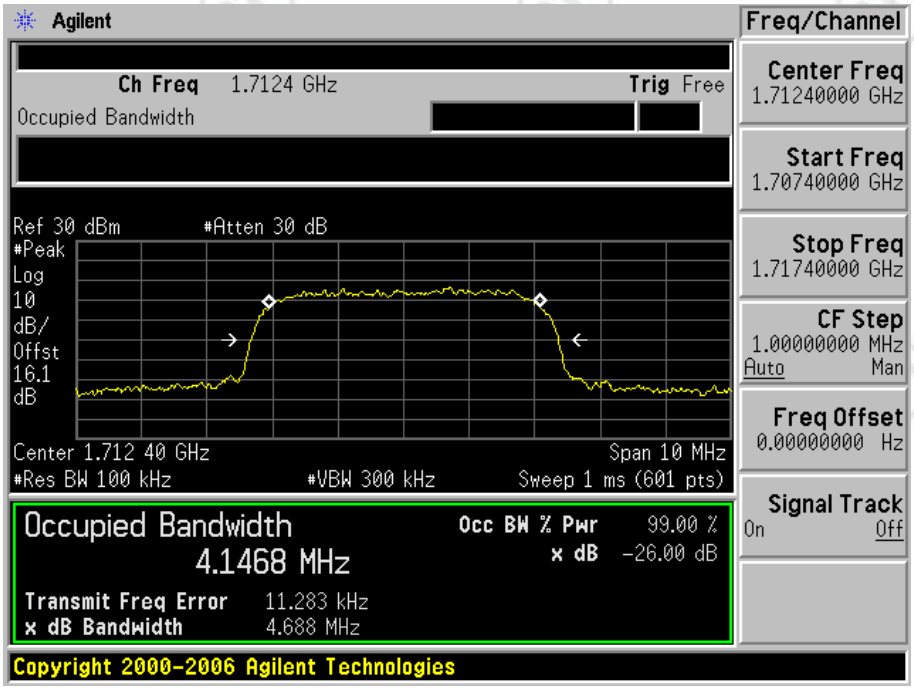


Test Channel=HCH

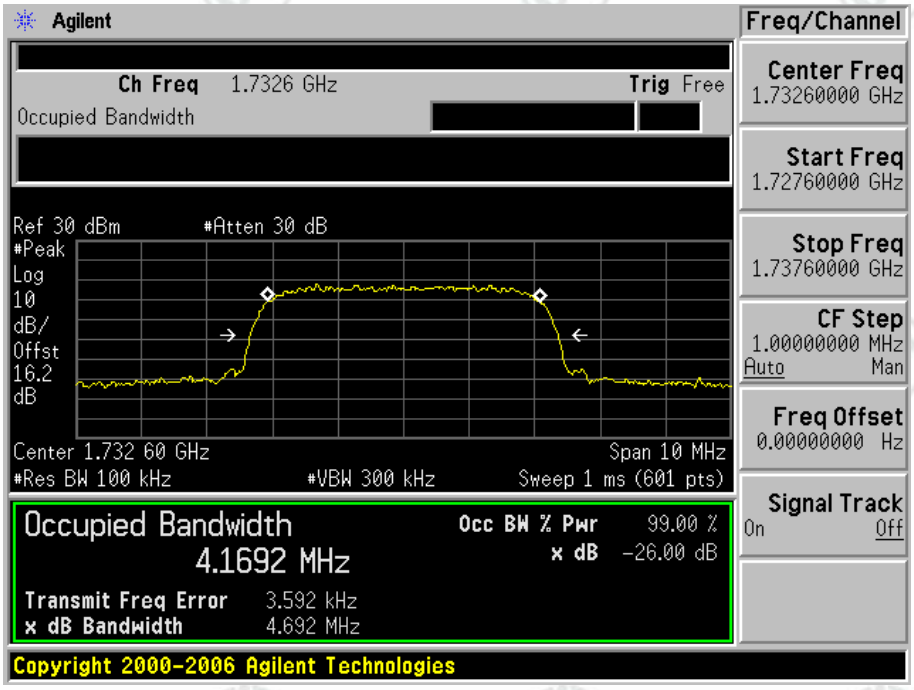


Test Mode=UMTS/TM2

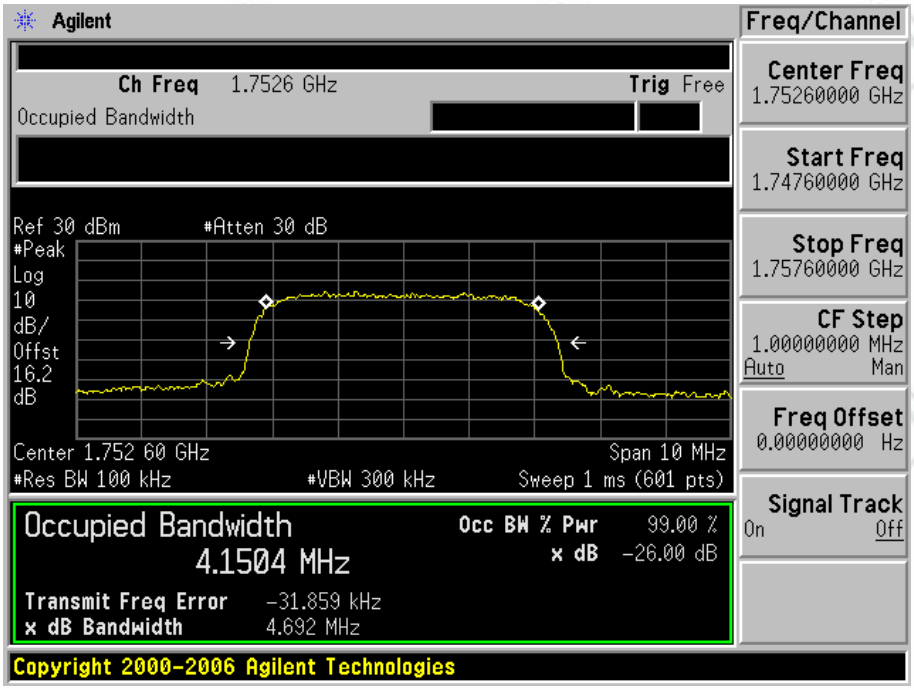
Test Channel=LCH



Test Channel=MCH

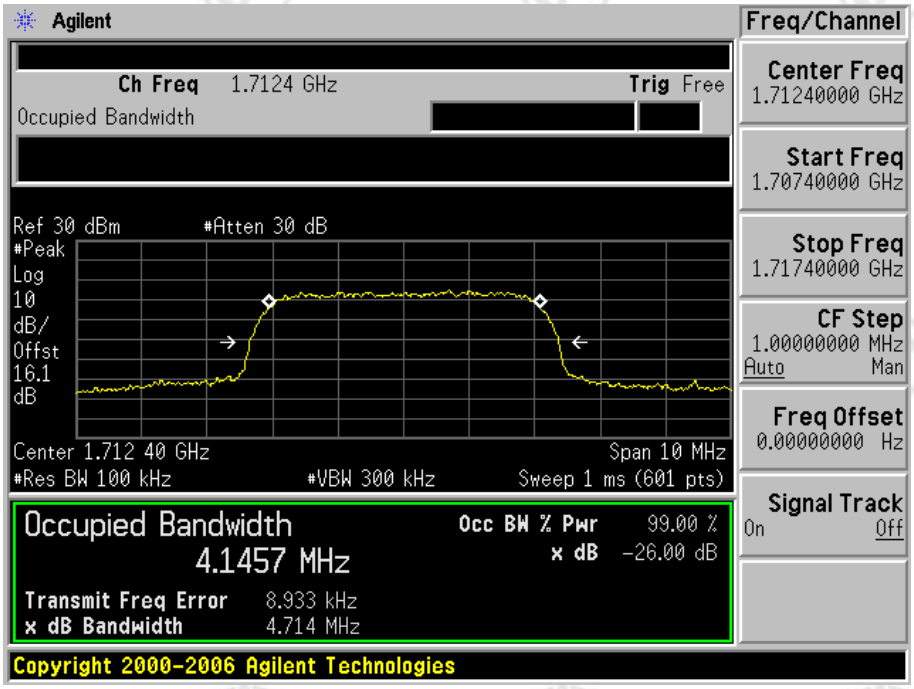


Test Channel=HCH

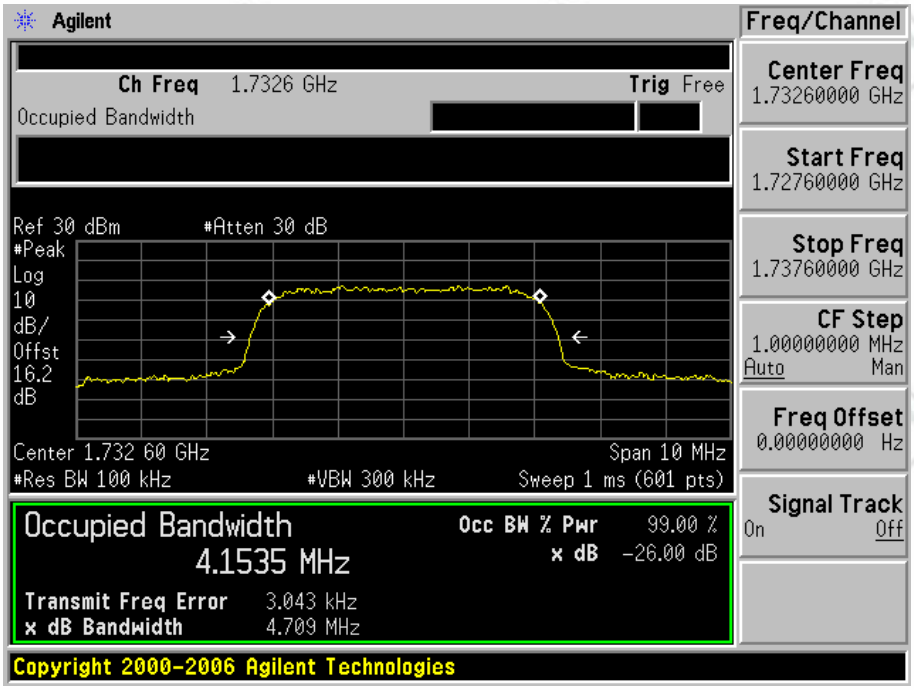


Test Mode=UMTS/TM3

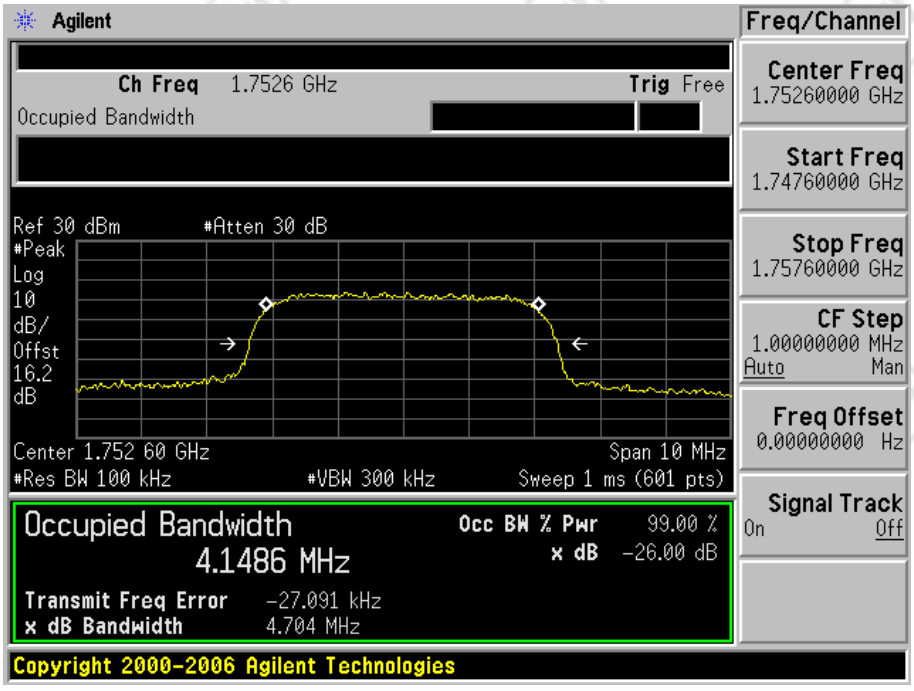
Test Channel=LCH



Test Channel=MCH



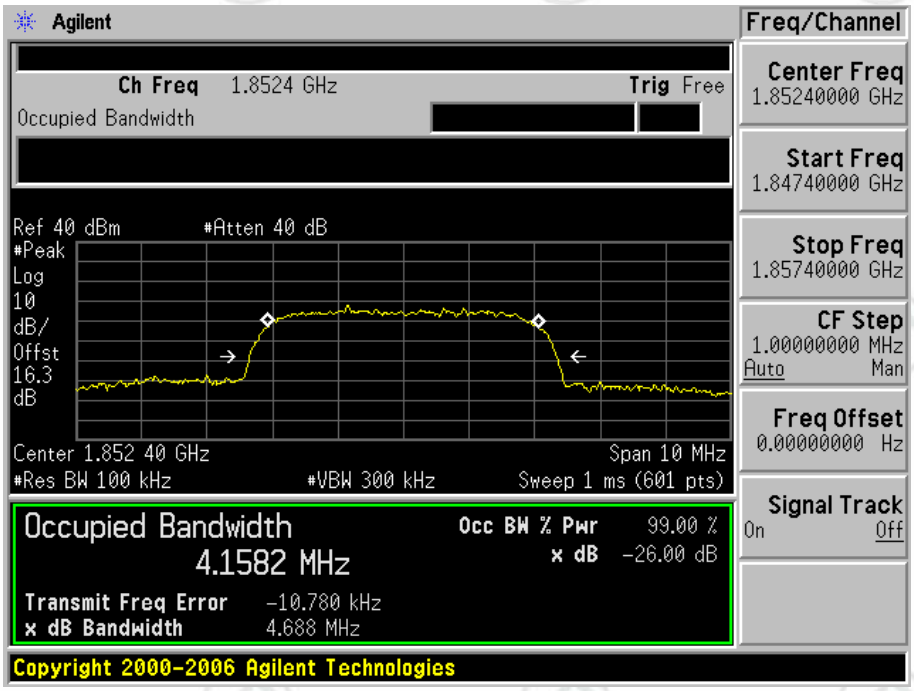
Test Channel=HCH



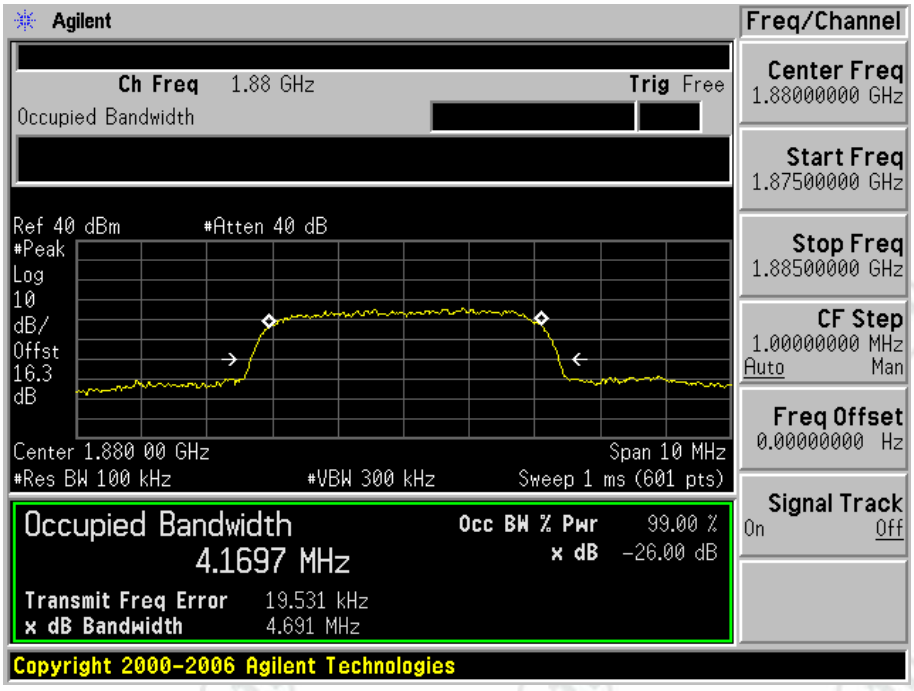
Test Band=WCDMA1900

Test Mode=UMTS/TM1

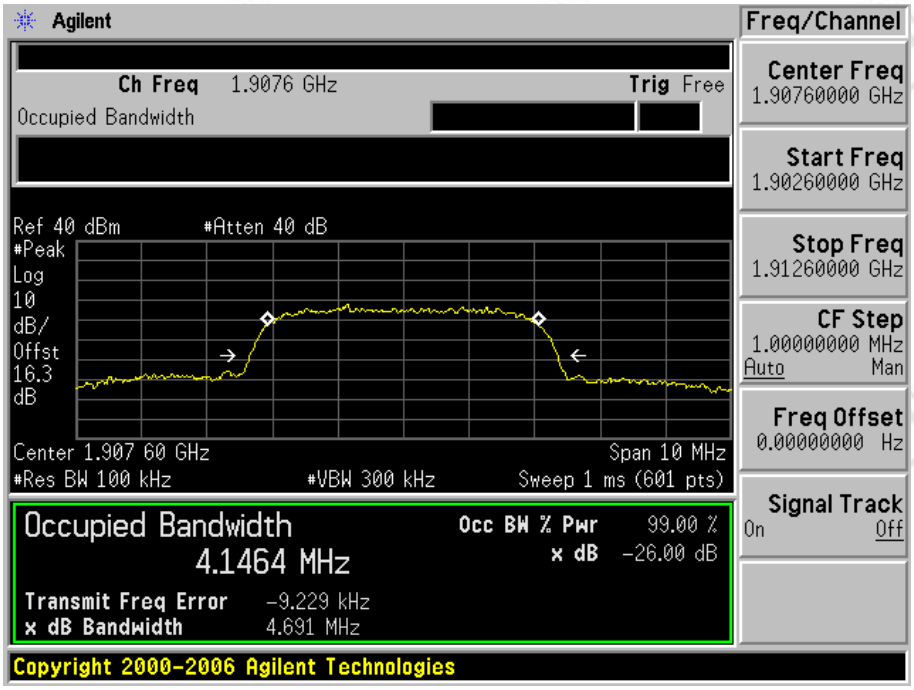
Test Channel=LCH



Test Channel=MCH

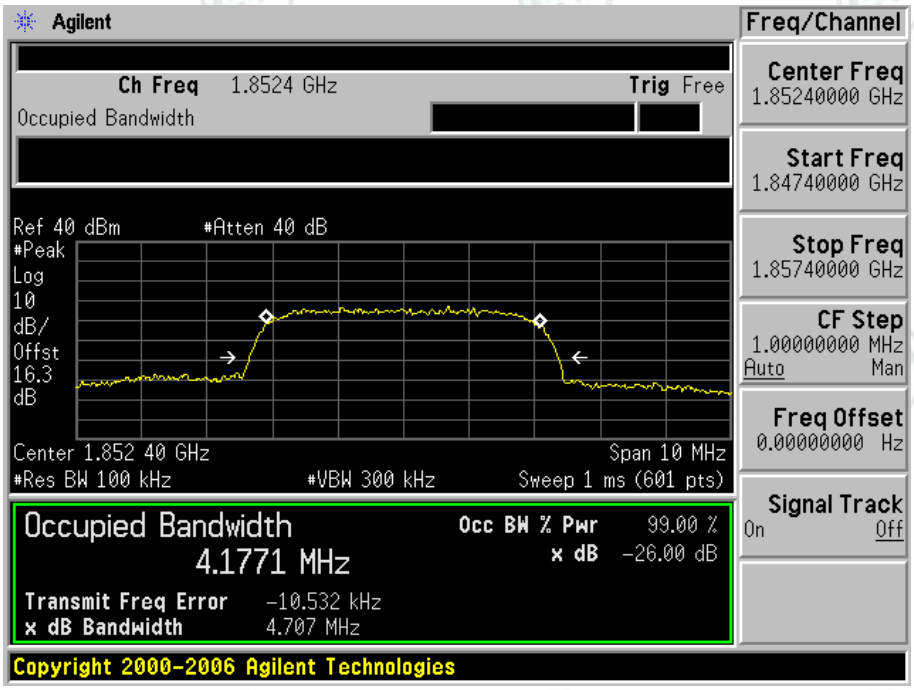


Test Channel=HCH

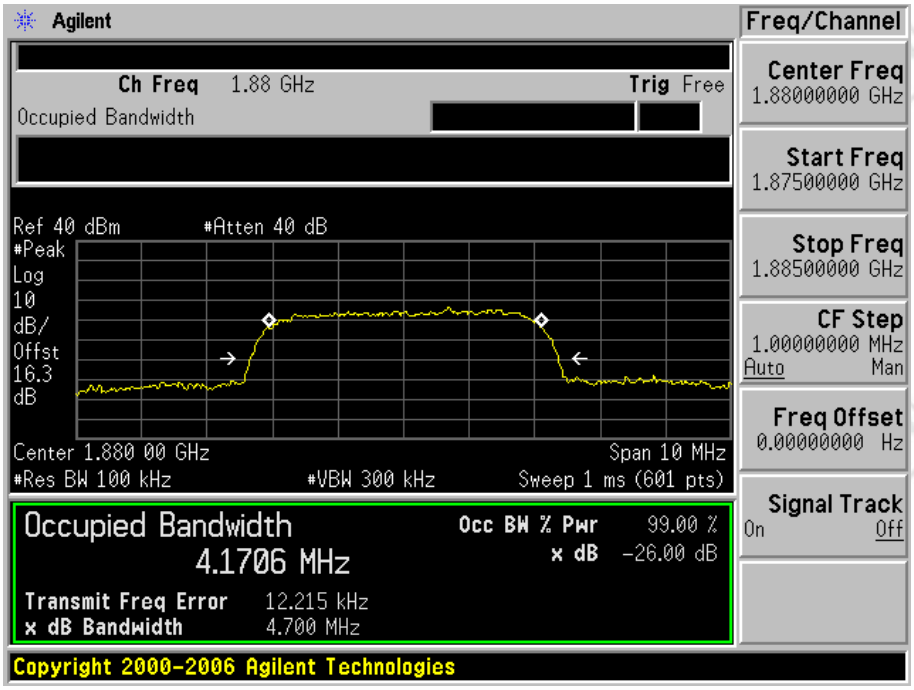


Test Mode=UMTS/TM2

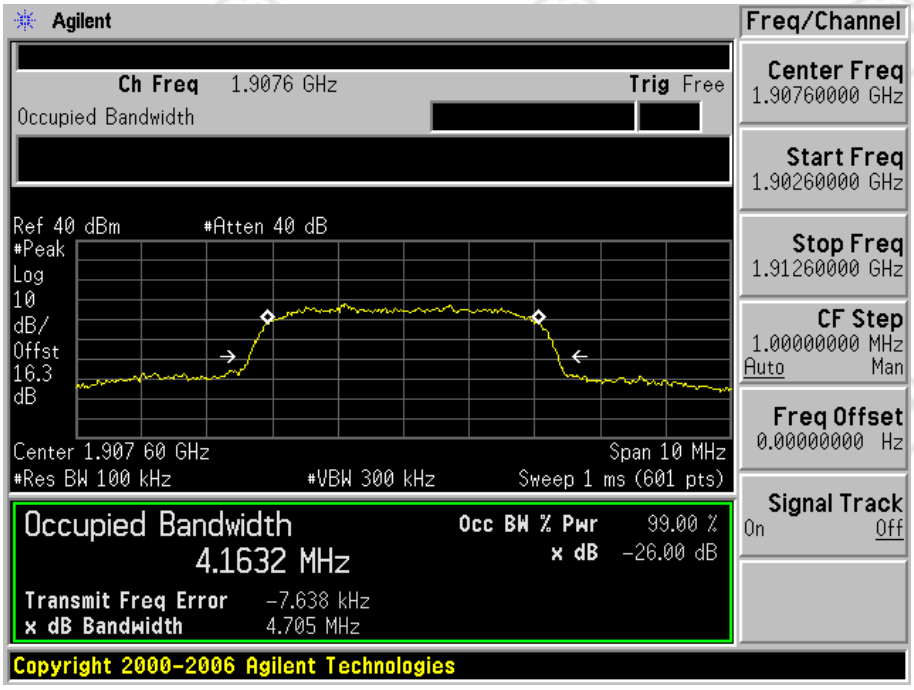
Test Channel=LCH



Test Channel=MCH

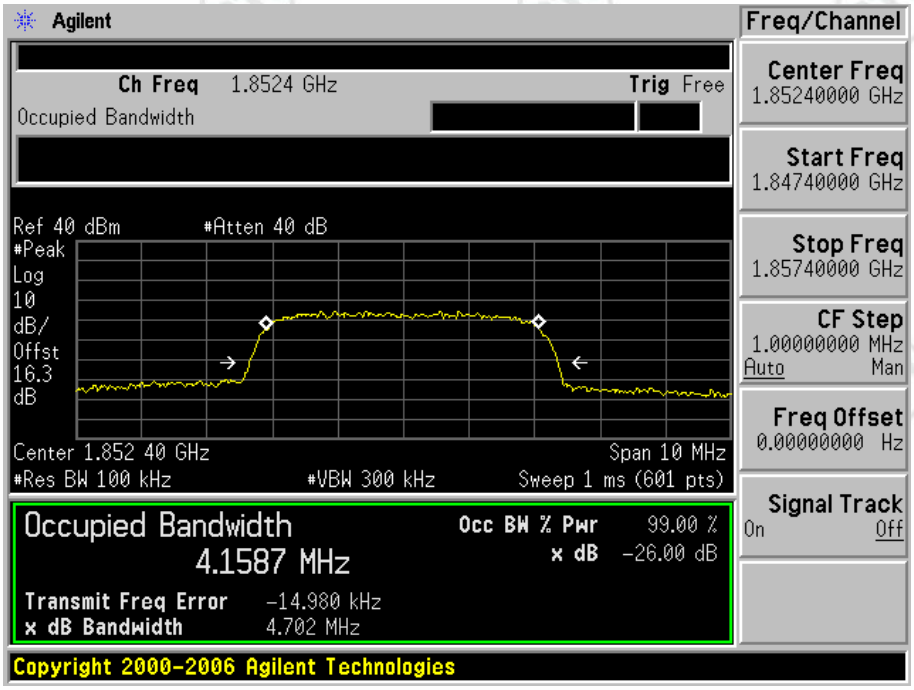


Test Channel=HCH

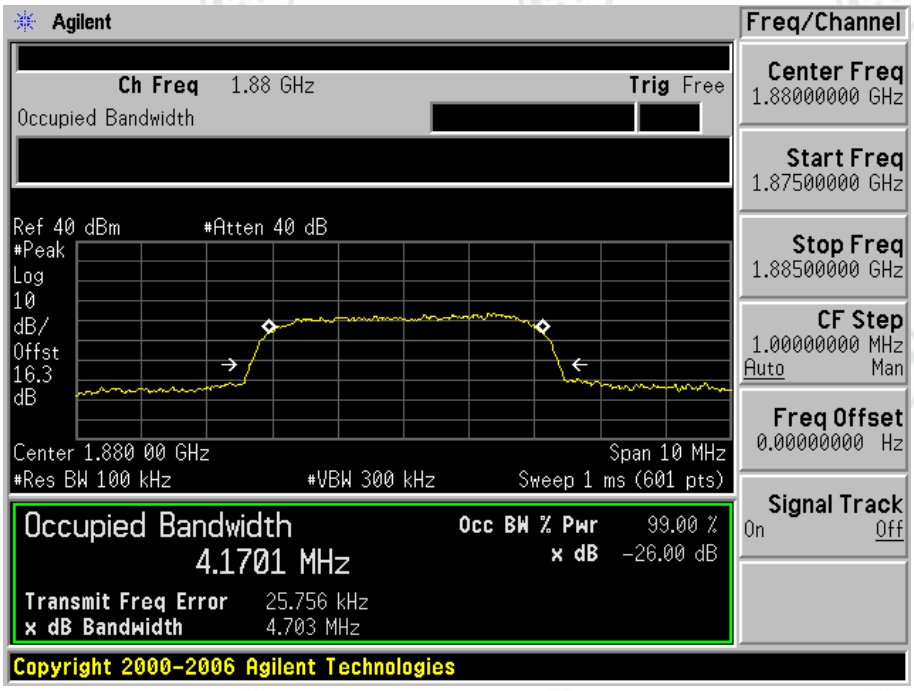


Test Mode=UMTS/TM3

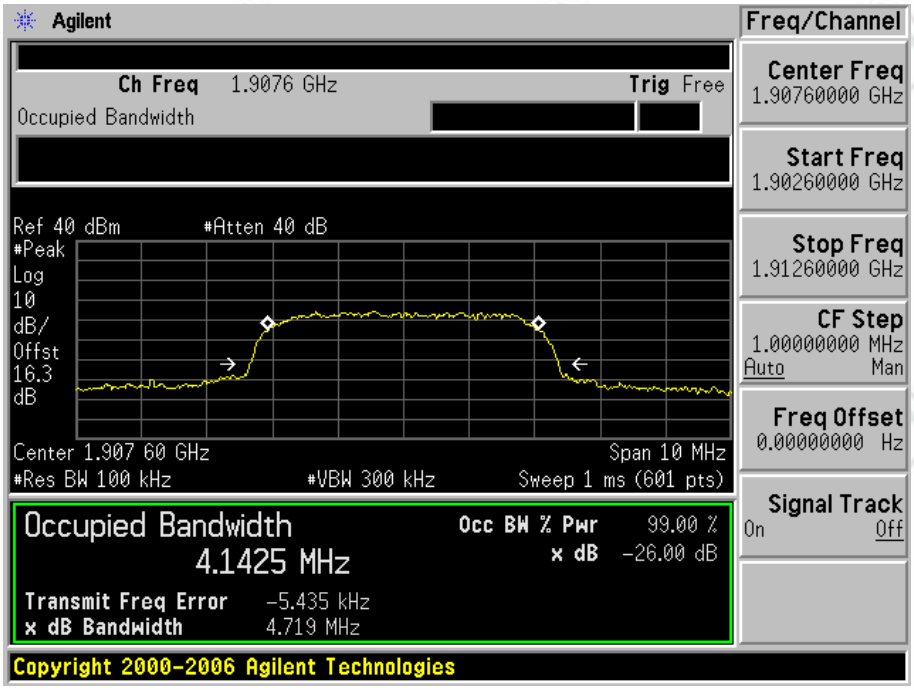
Test Channel=LCH



Test Channel=MCH



Test Channel=HCH



Appendix D): Band Edges Compliance

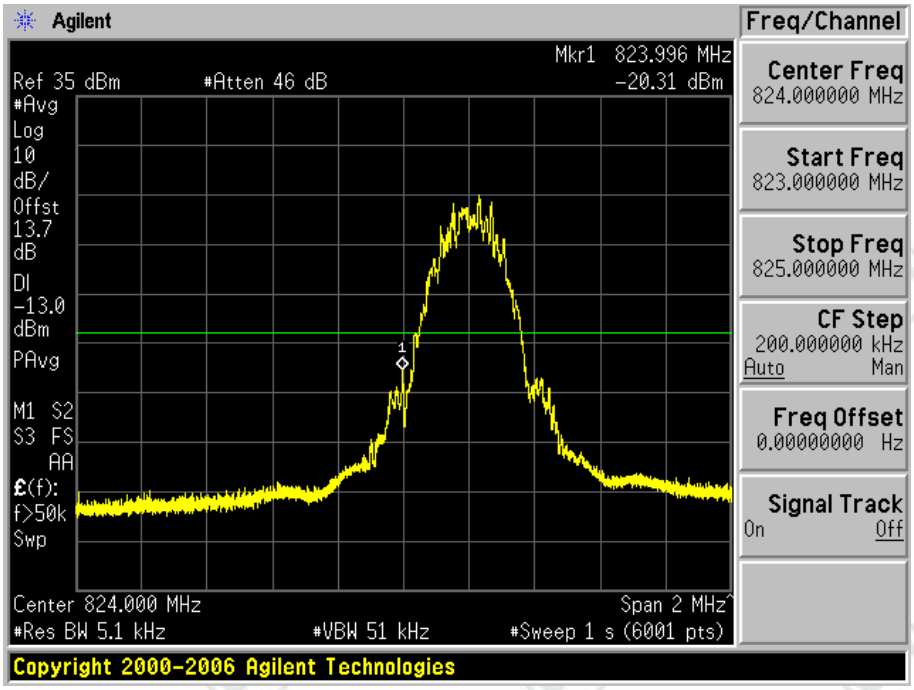
<table>
<tr><td>Test Requirement:</td><td>Part 2.1051</td></tr>
<tr><td>Test Method:</td><td>Part 22.917(b)/Part 24.238(b)/ Part 27.53(h)</td></tr>
<tr><td>Test Setup:</td><td>Refer to section 5 for details</td></tr>
<tr><td>Measurement Procedure:</td><td>The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Operation Band</td><td>Frequency Range (MHz)</td><td>Limit</td></tr>
<tr><td>GSM/GPRS/EDGE/ WCDMA 850</td><td>Below 824 and above 849</td><td>Attenuated at least 43+10log(P)</td></tr>
<tr><td>GSM/GPRS/EDGE/ WCDMA 1900</td><td>Below 1850 and above 1910</td><td>Attenuated at least 43+10log(P)</td></tr>
<tr><td>WCDMA 1700</td><td>Below 1710 and above 1755</td><td>Attenuated at least 43+10log(P)</td></tr>
</table>
</td></tr>
<tr><td>Instruments Used:</td><td>Refer to section 7 for details</td></tr>
<tr><td>Test Results:</td><td>Pass</td></tr>
</table>

For GSM

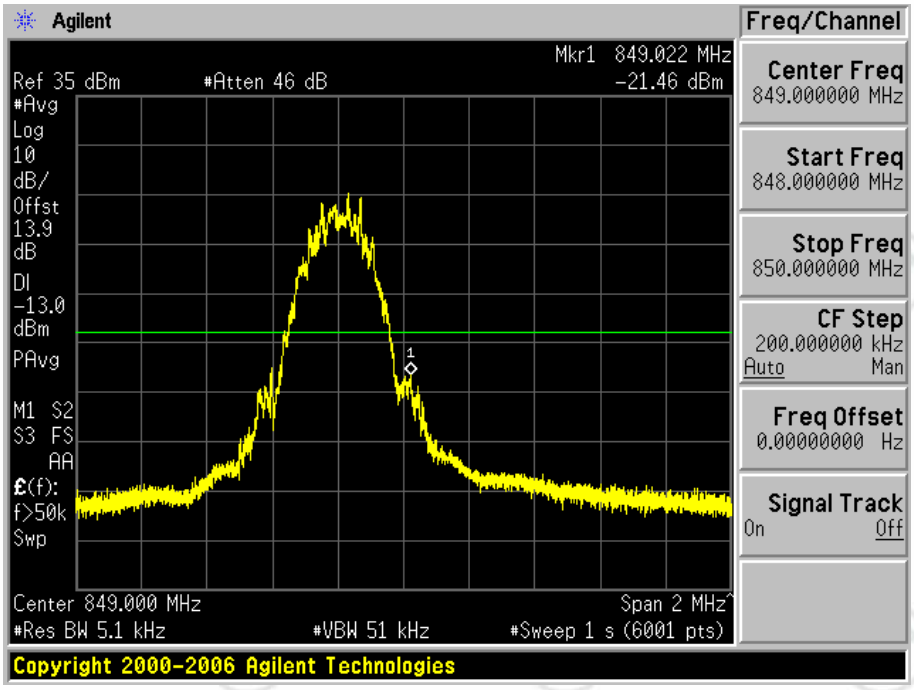
Test Band=GSM850

Test Mode=GSM/TM1

Test Channel=LCH

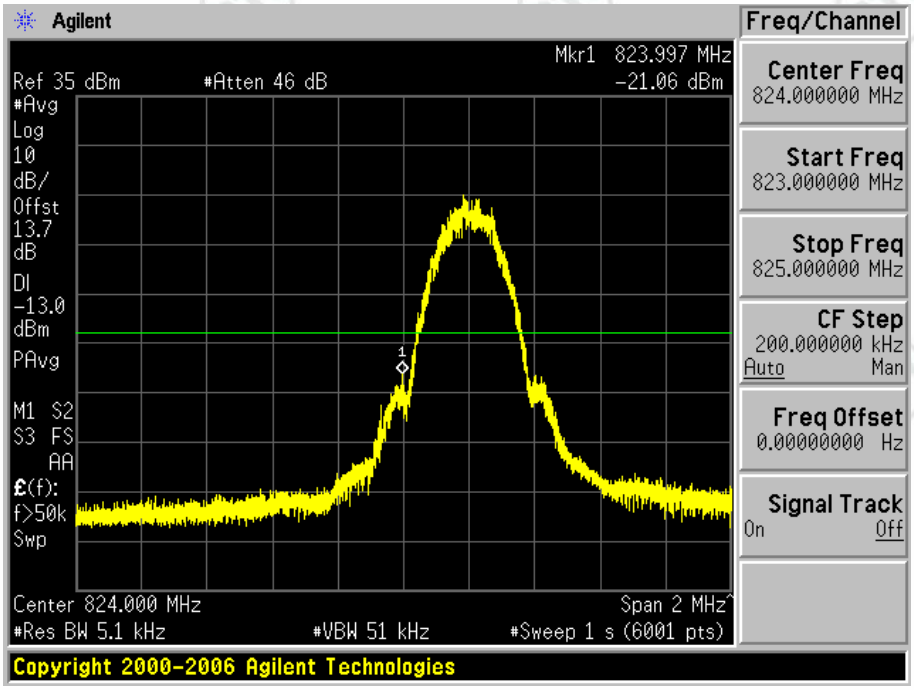


Test Channel=HCH

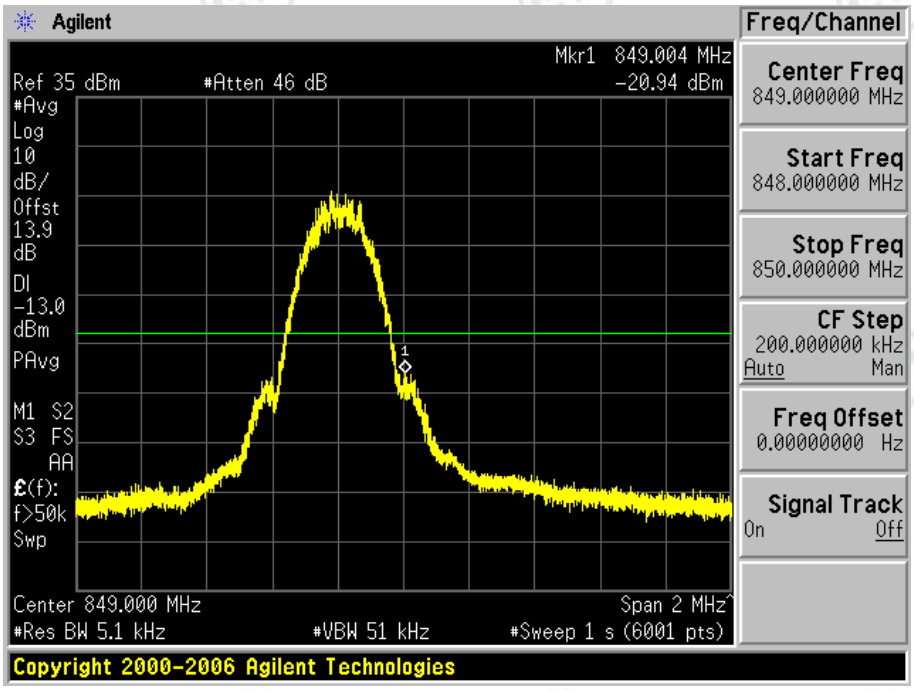


Test Mode=GSM/TM2

Test Channel=LCH

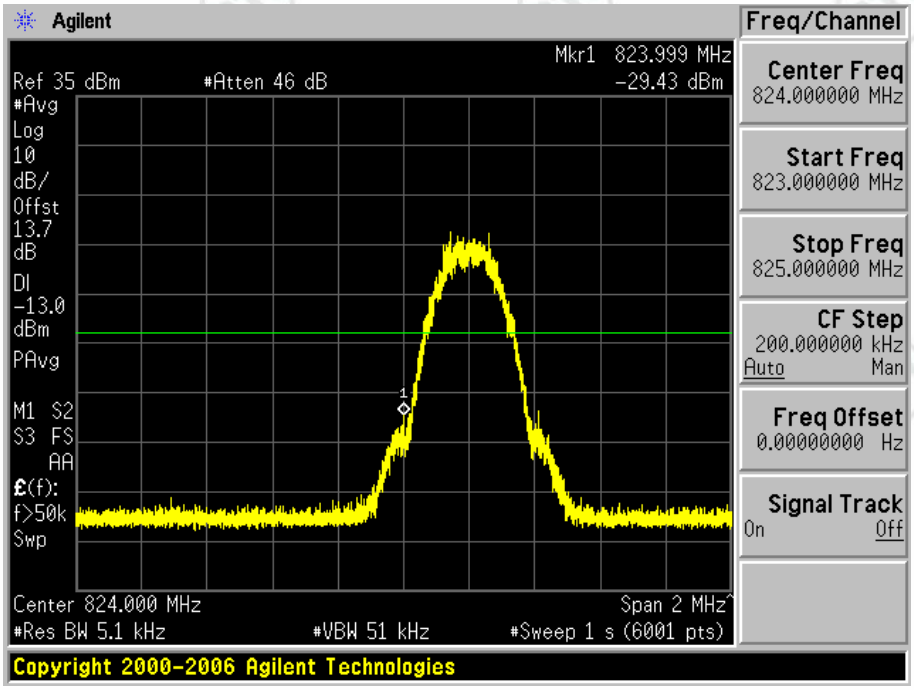


Test Channel=HCH

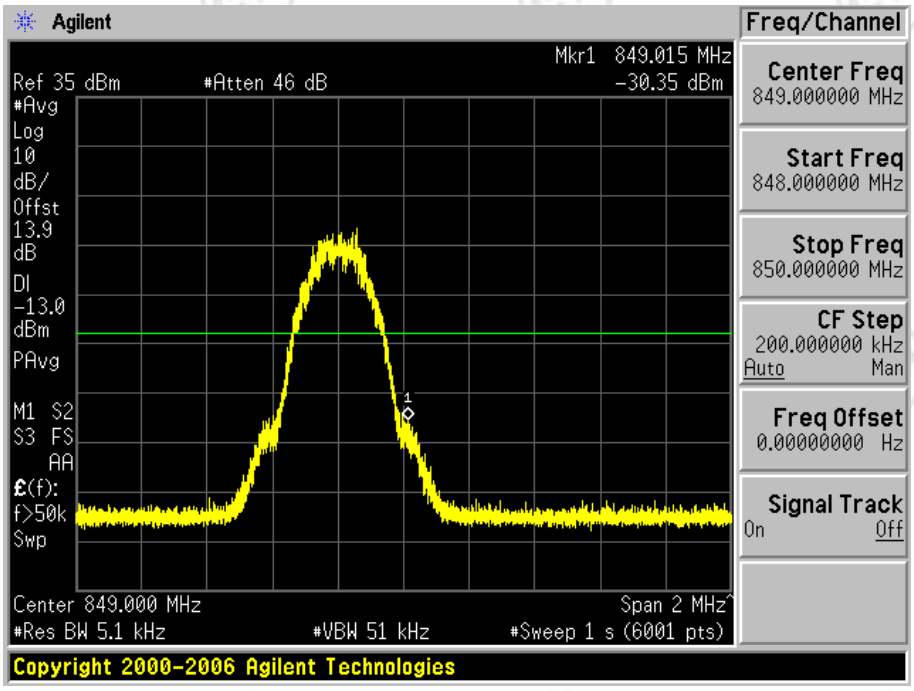


Test Mode=GSM/TM3

Test Channel=LCH



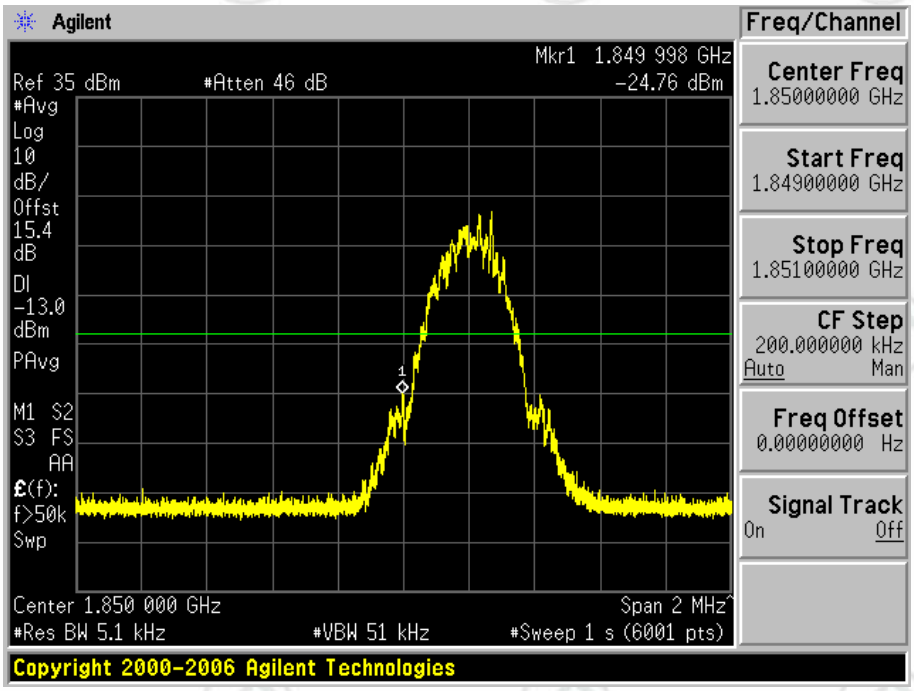
Test Channel=HCH



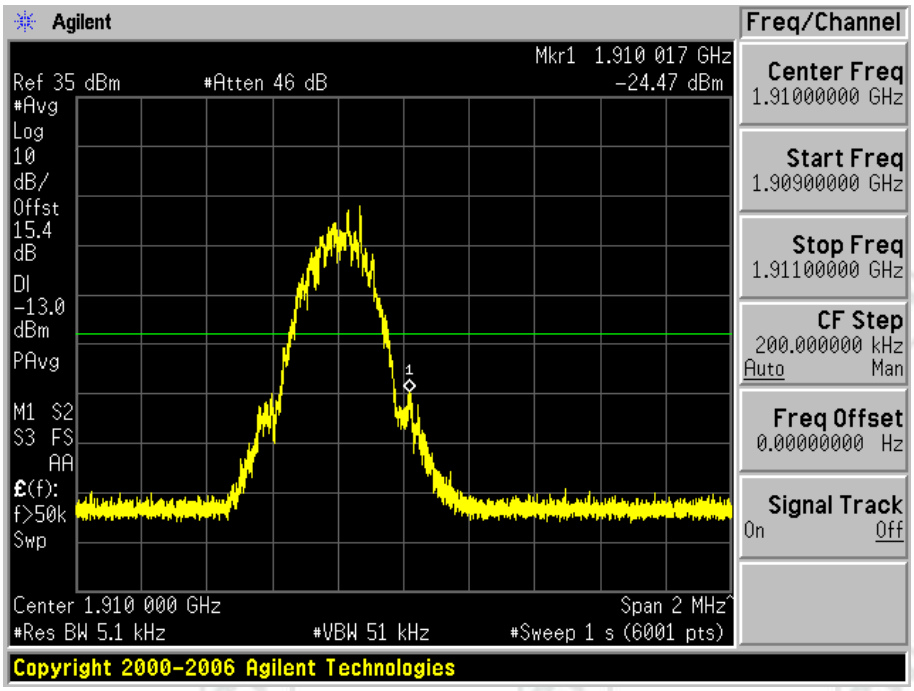
Test Band=GSM1900

Test Mode=GSM/TM1

Test Channel=LCH

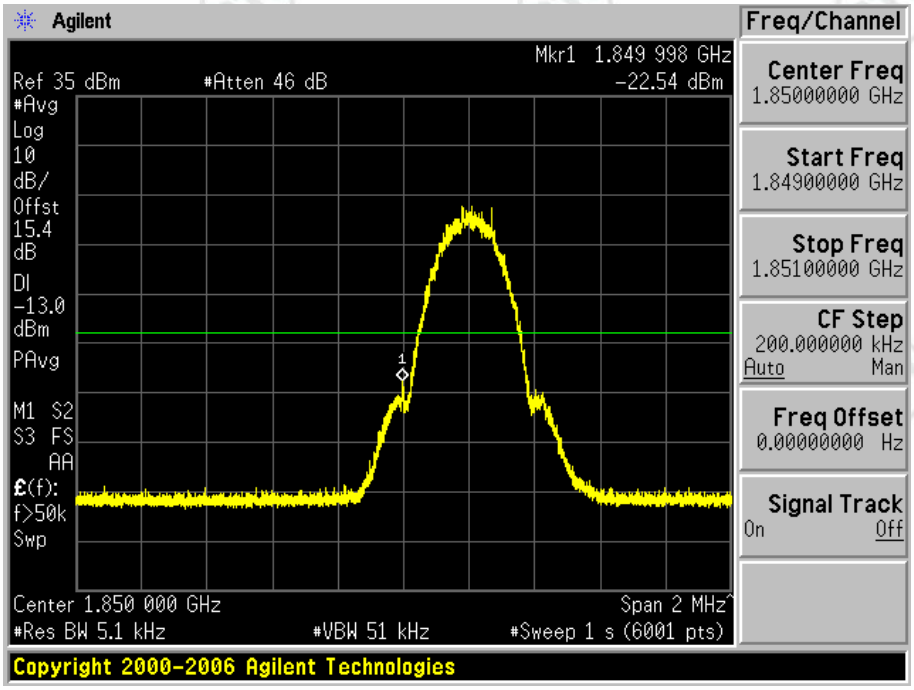


Test Channel=HCH

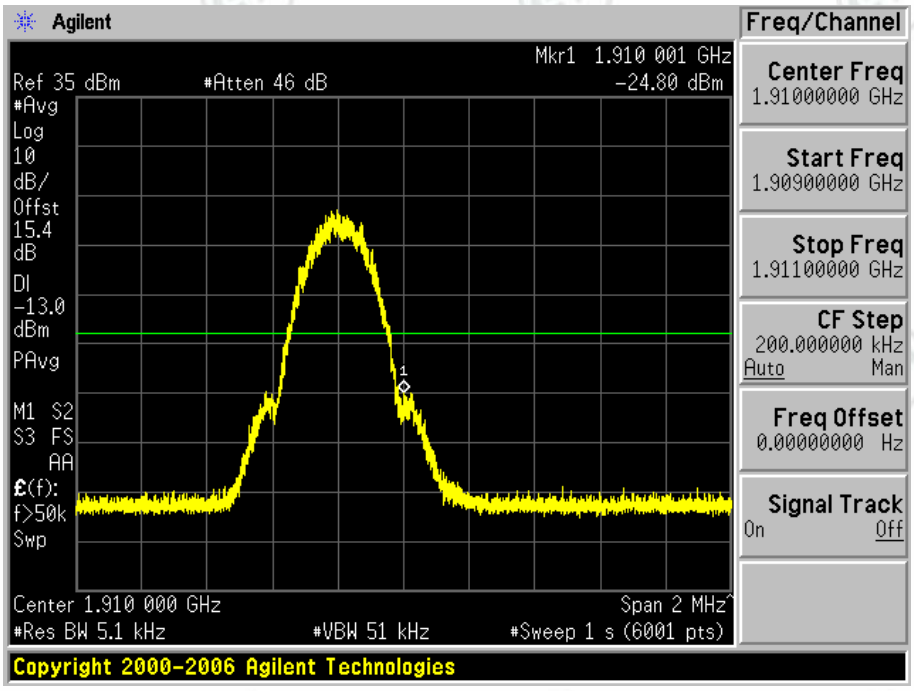


Test Mode=GSM/TM2

Test Channel=LCH

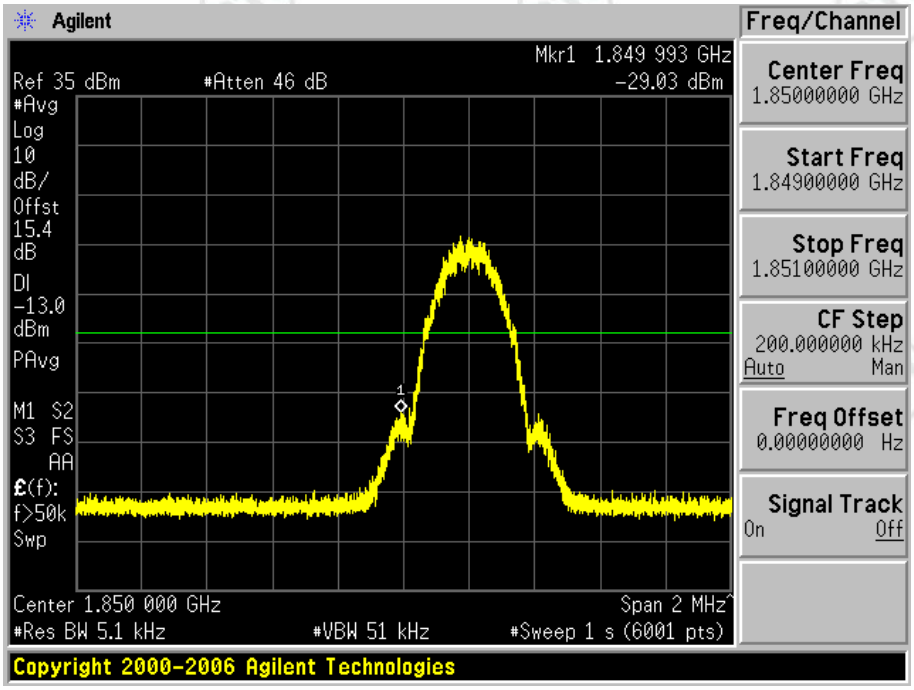


Test Channel=HCH

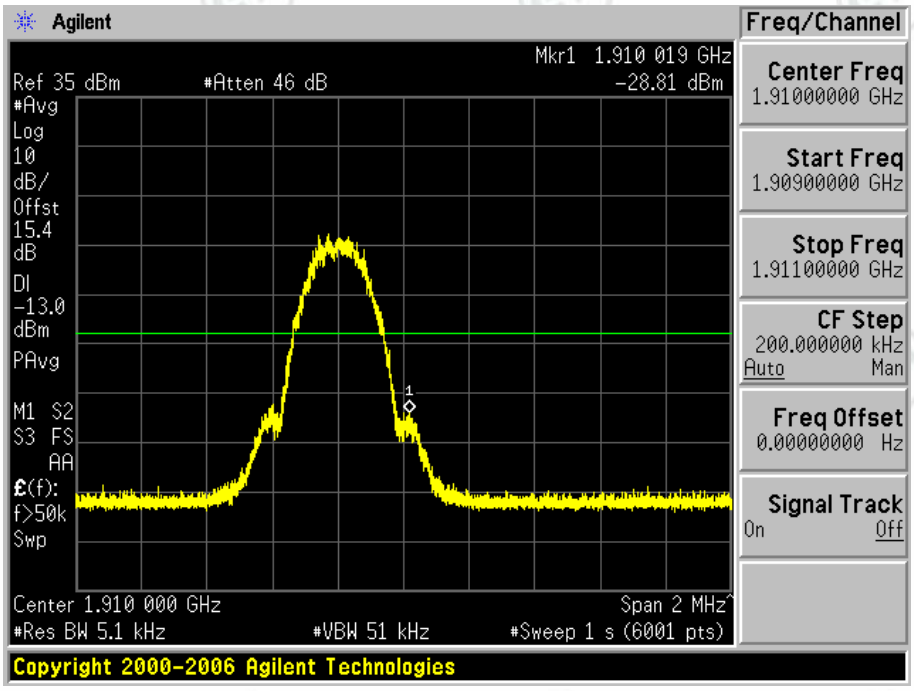


Test Mode=GSM/TM3

Test Channel=LCH



Test Channel=HCH

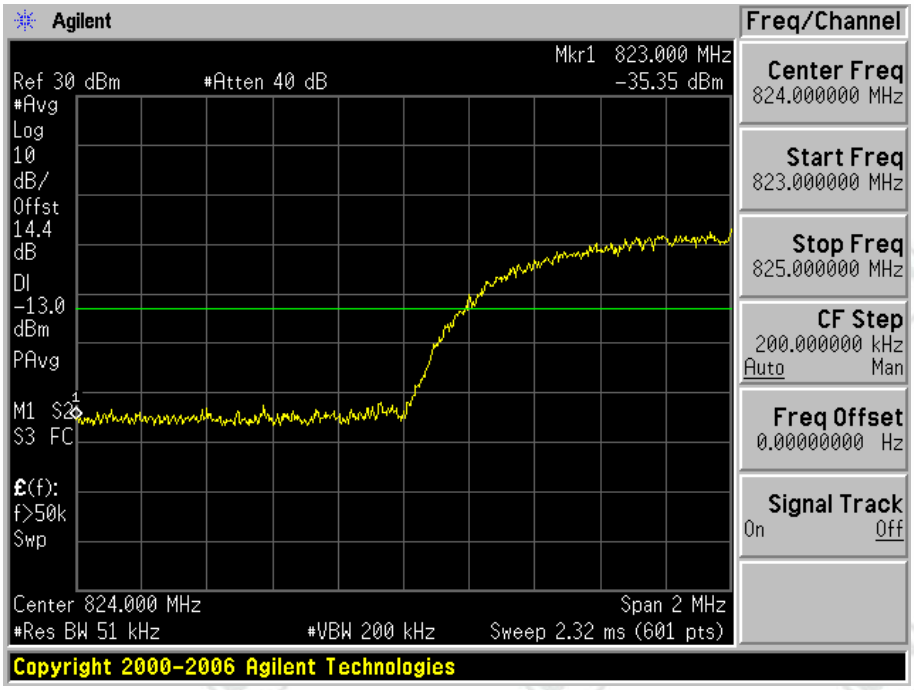


For WCDMA

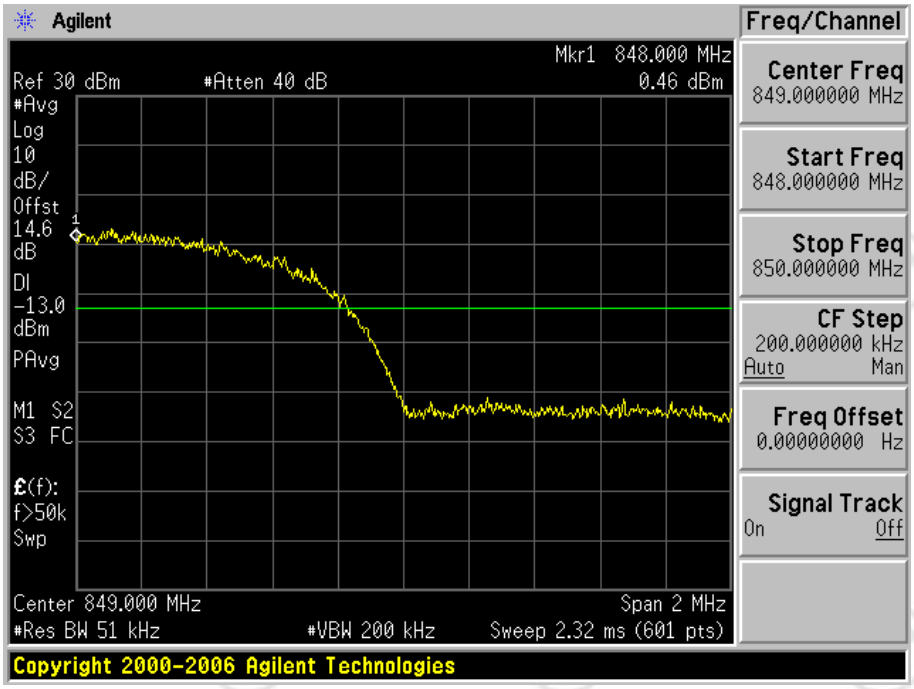
Test Band=WCDMA850

Test Mode=UMTS/TM1

Test Channel=LCH

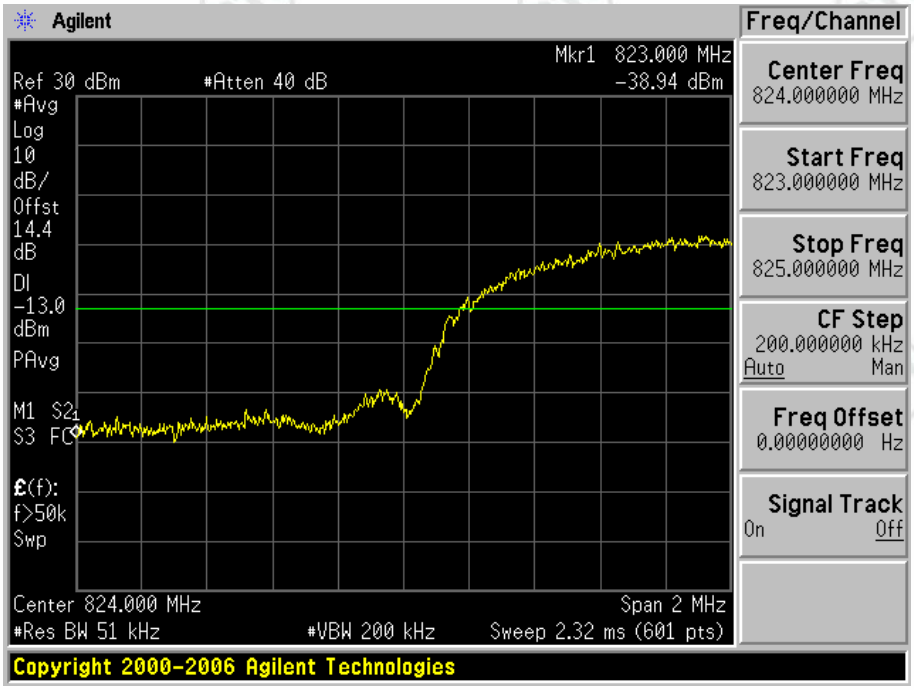


Test Channel=HCH

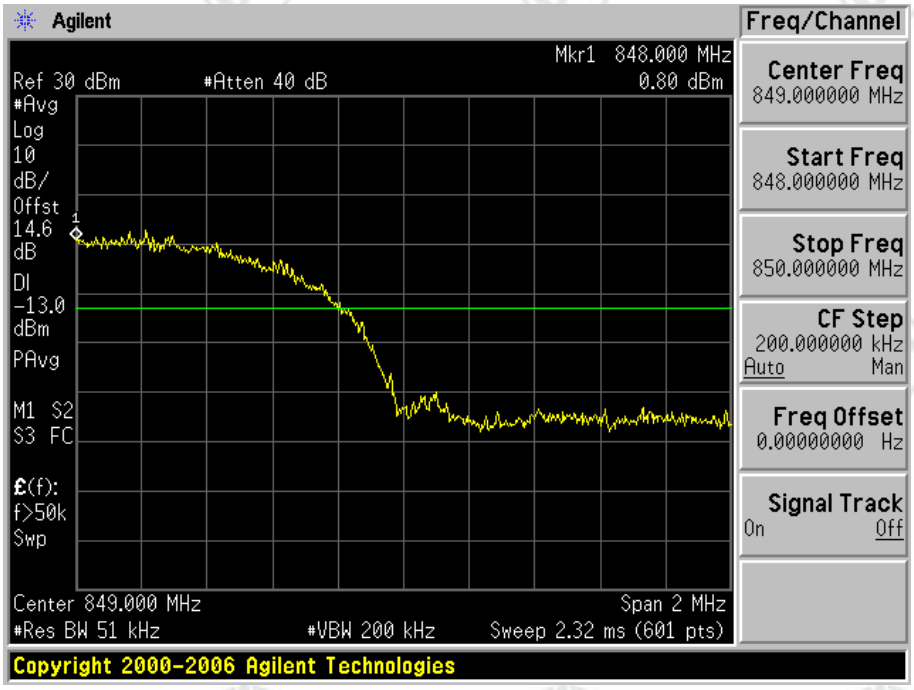


Test Mode=UMTS/TM2

Test Channel=LCH

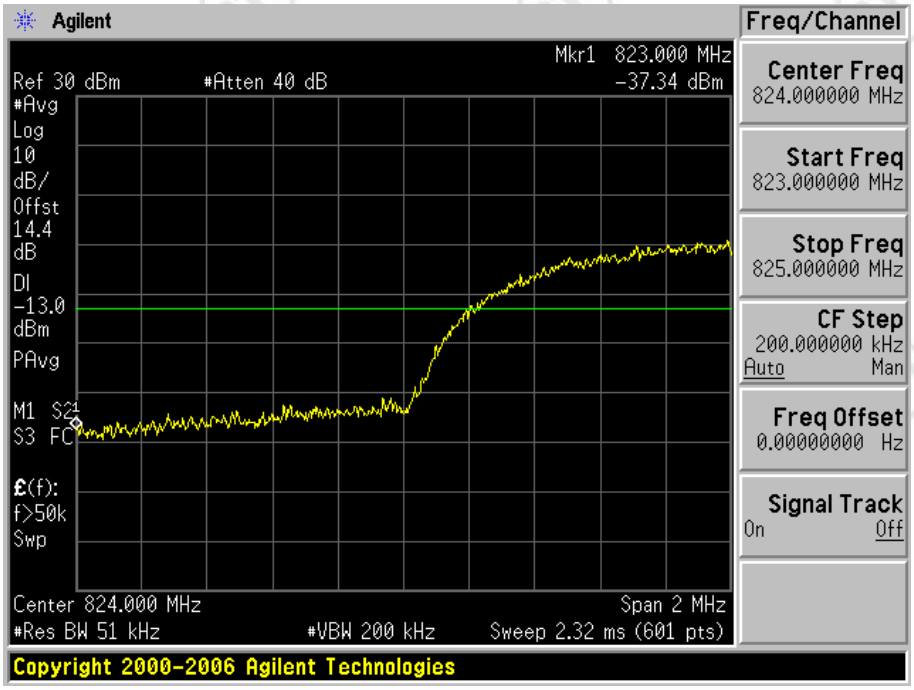


Test Channel=HCH

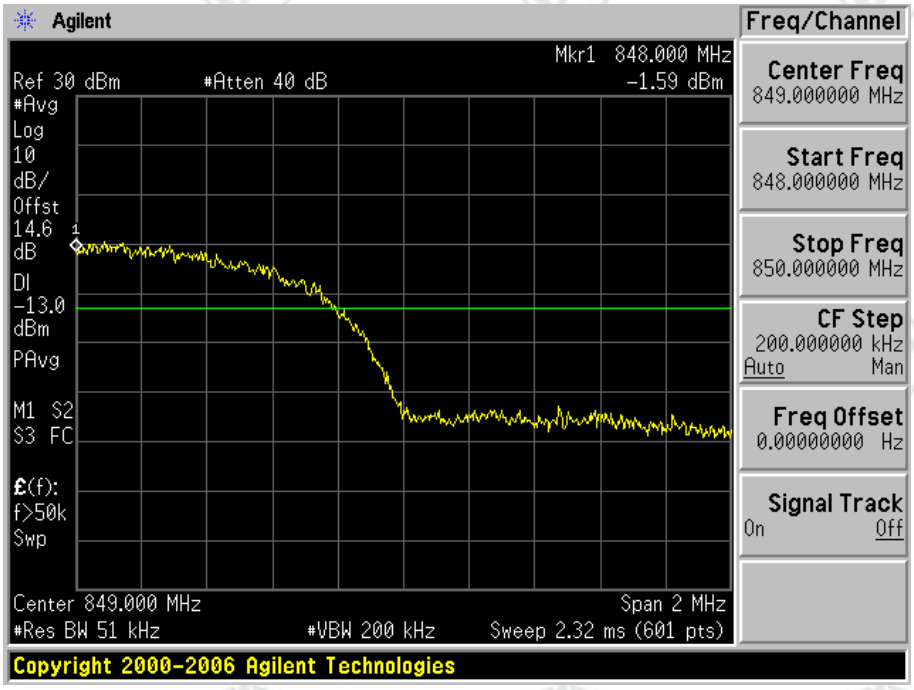


Test Mode=UMTS/TM3

Test Channel=LCH



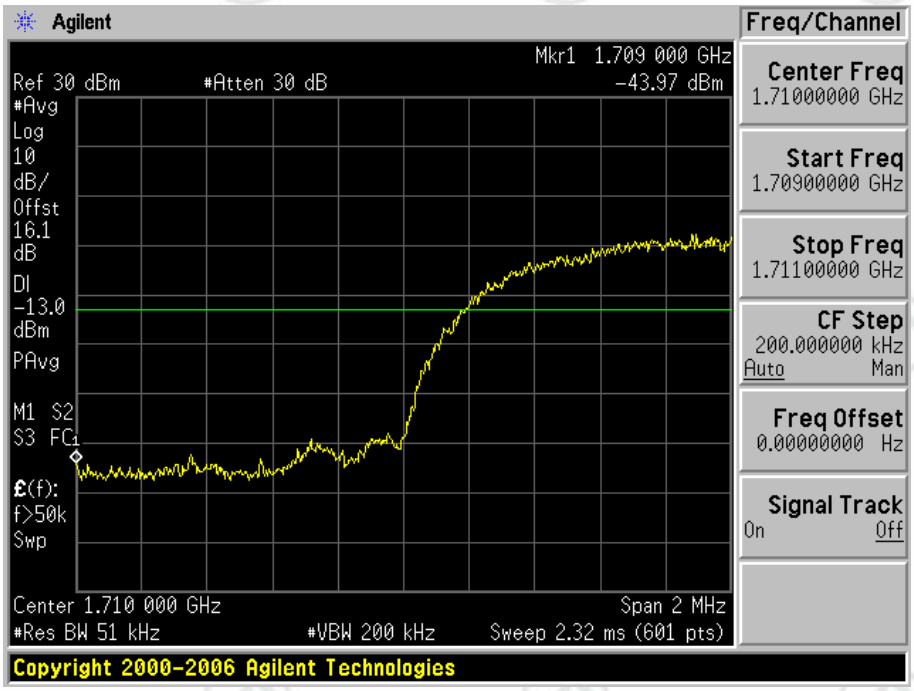
Test Channel=HCH



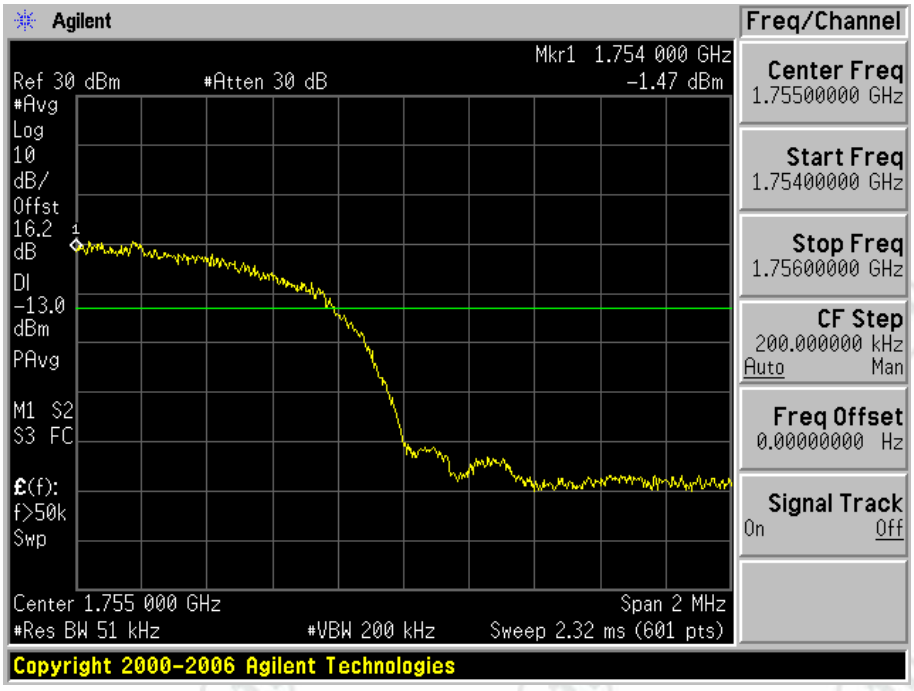
Test Band=WCDMA1700

Test Mode=UMTS/TM1

Test Channel=LCH

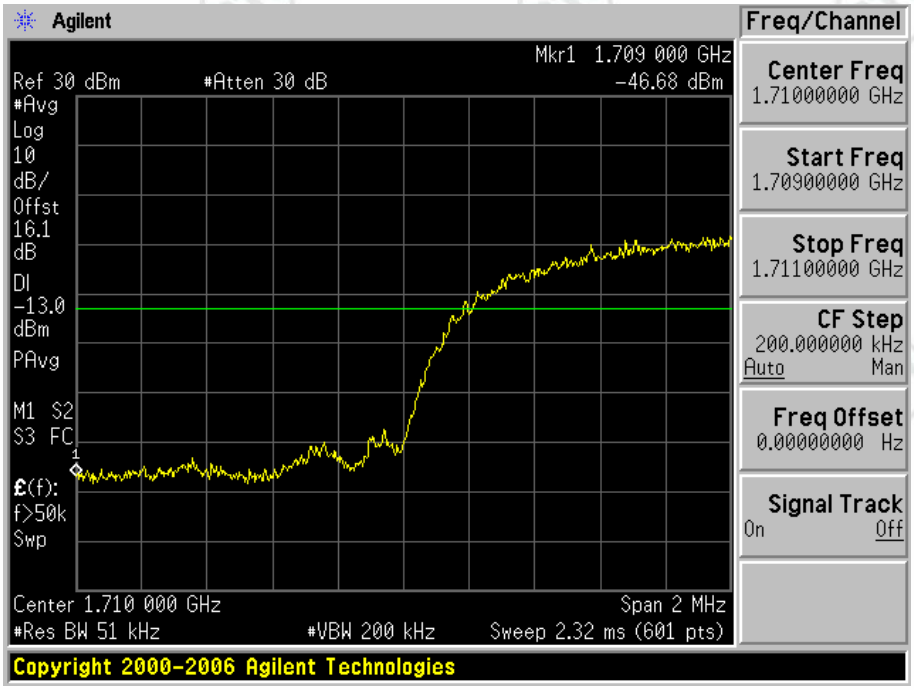


Test Channel=HCH

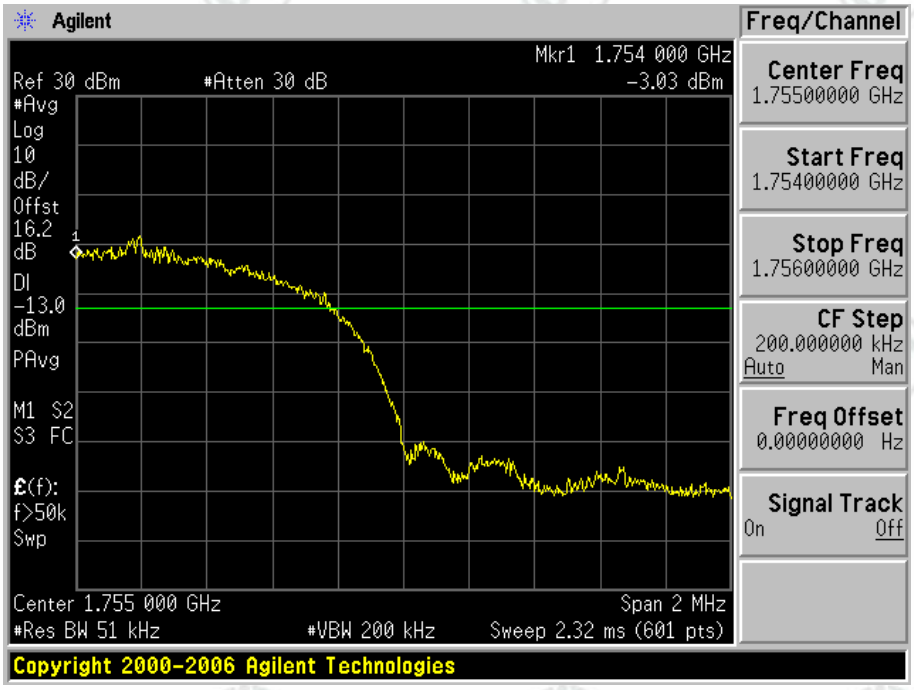


Test Mode=UMTS/TM2

Test Channel=LCH

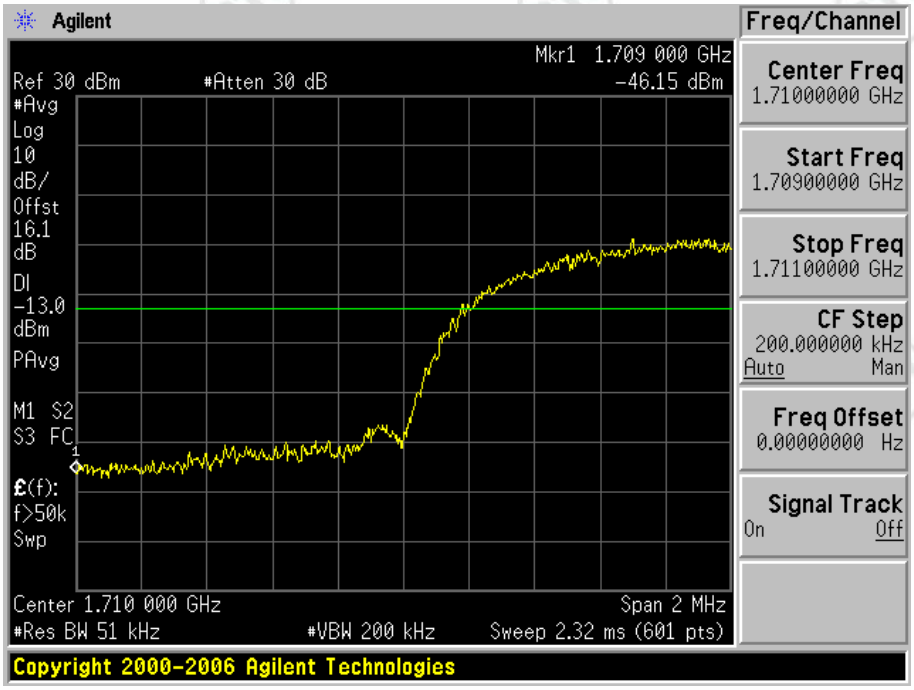


Test Channel=HCH

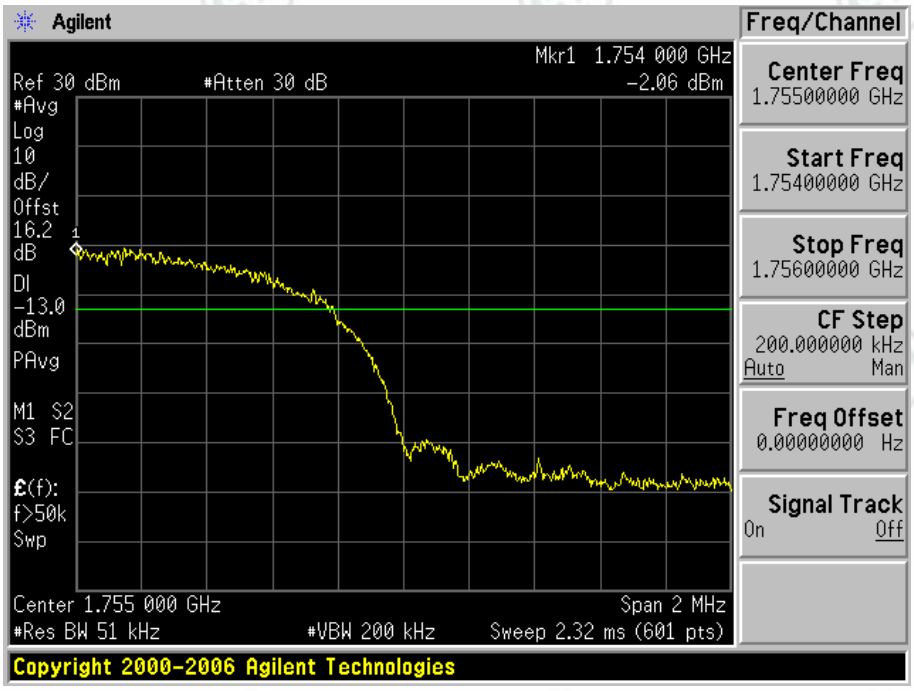


Test Mode=UMTS/TM3

Test Channel=LCH



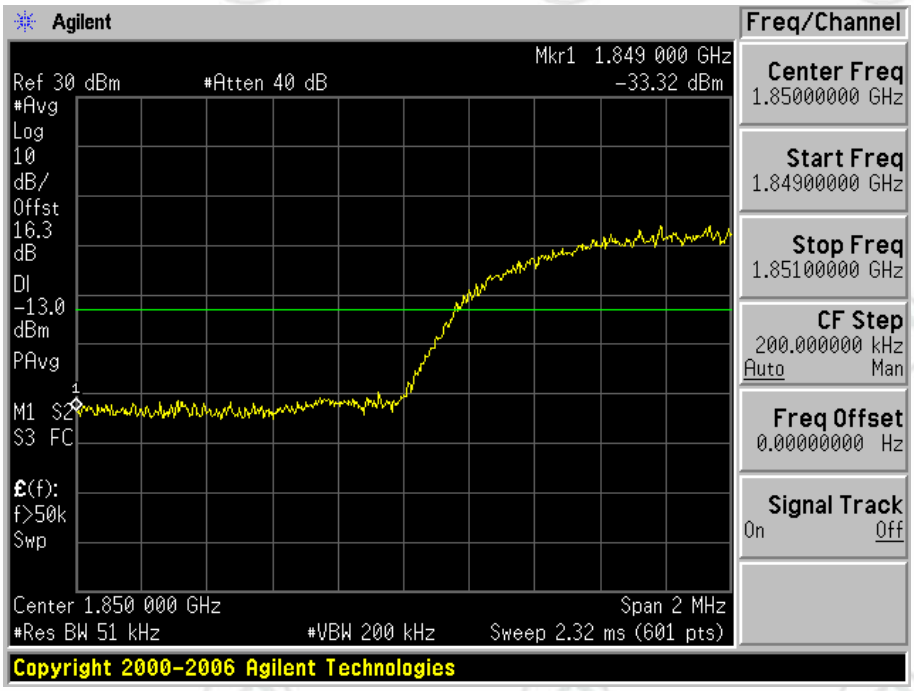
Test Channel=HCH



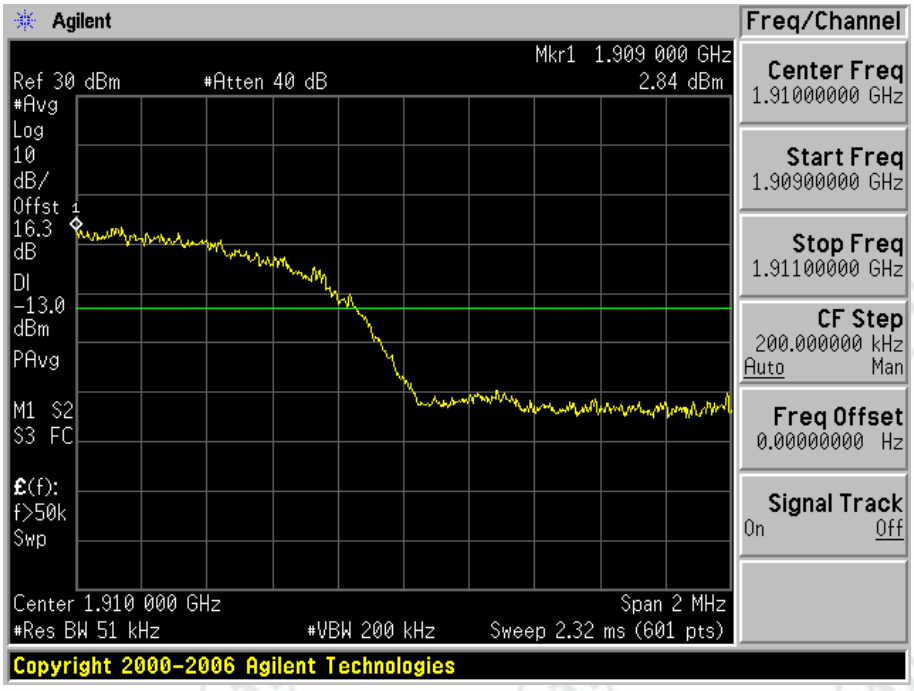
Test Band=WCDMA1900

Test Mode=UMTSTM1

Test Channel=LCH

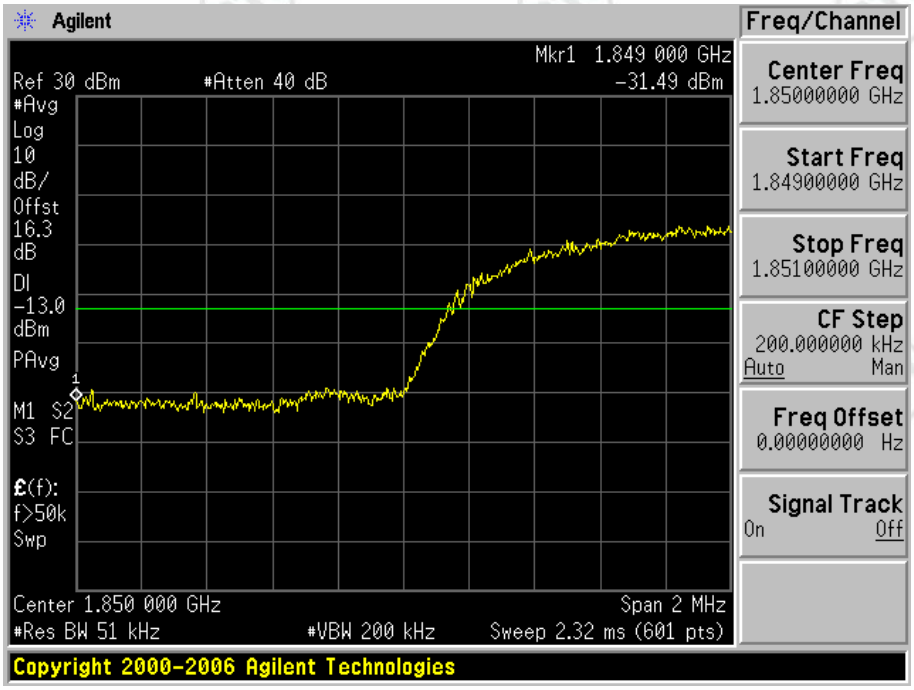


Test Channel=HCH

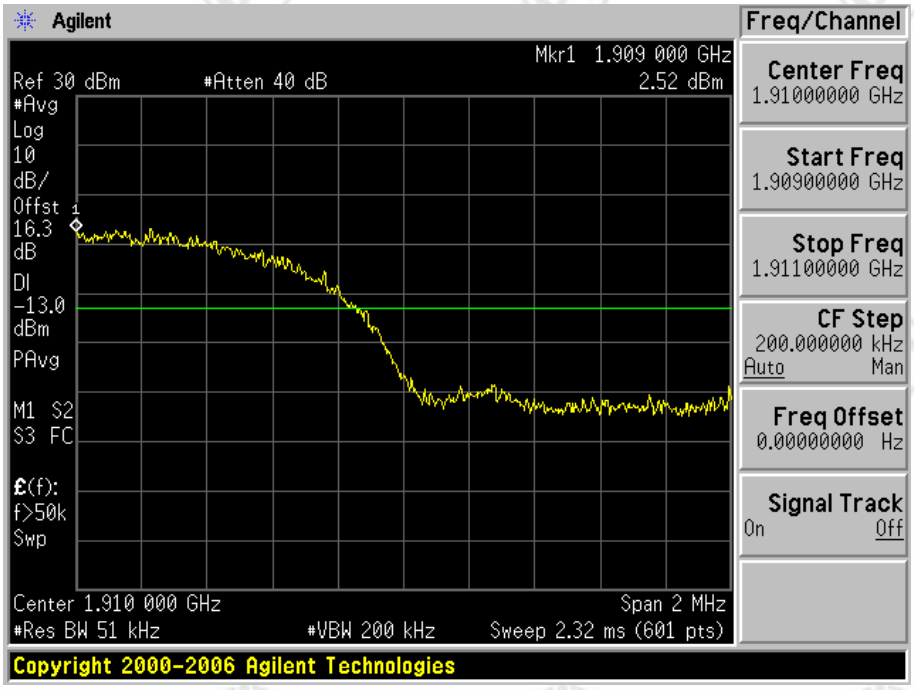


Test Mode=UMTS/TM2

Test Channel=LCH

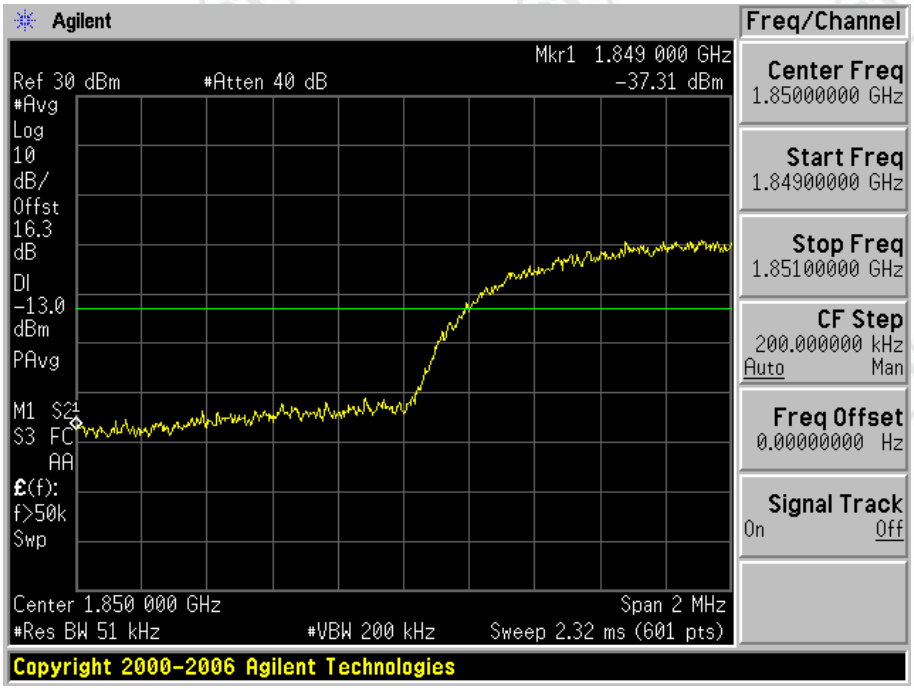


Test Channel=HCH

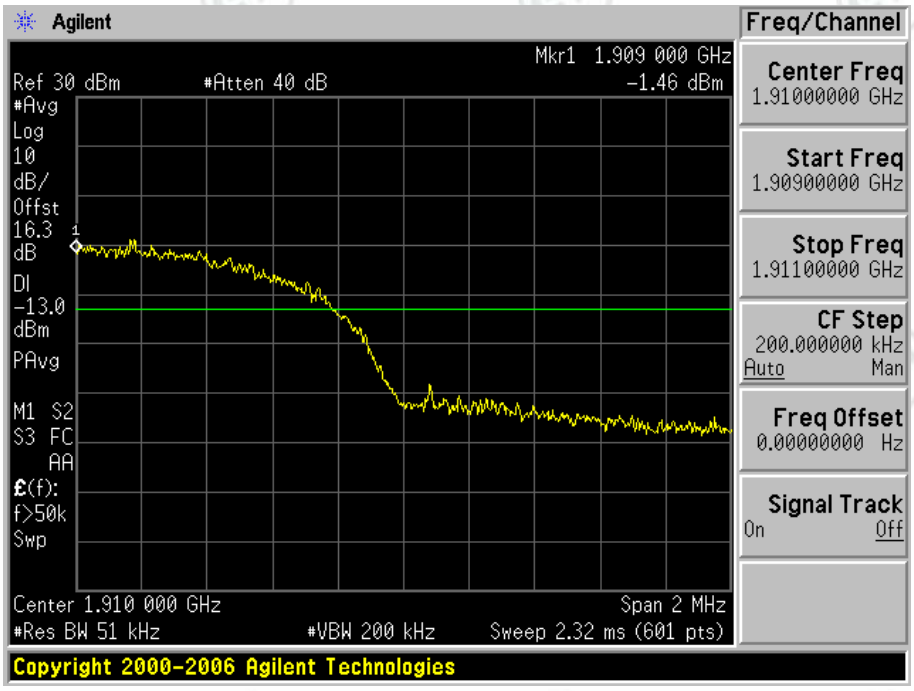


Test Mode=UMTS/TM3

Test Channel=LCH



Test Channel=HCH



Appendix E): Spurious Emission at Antenna Terminal

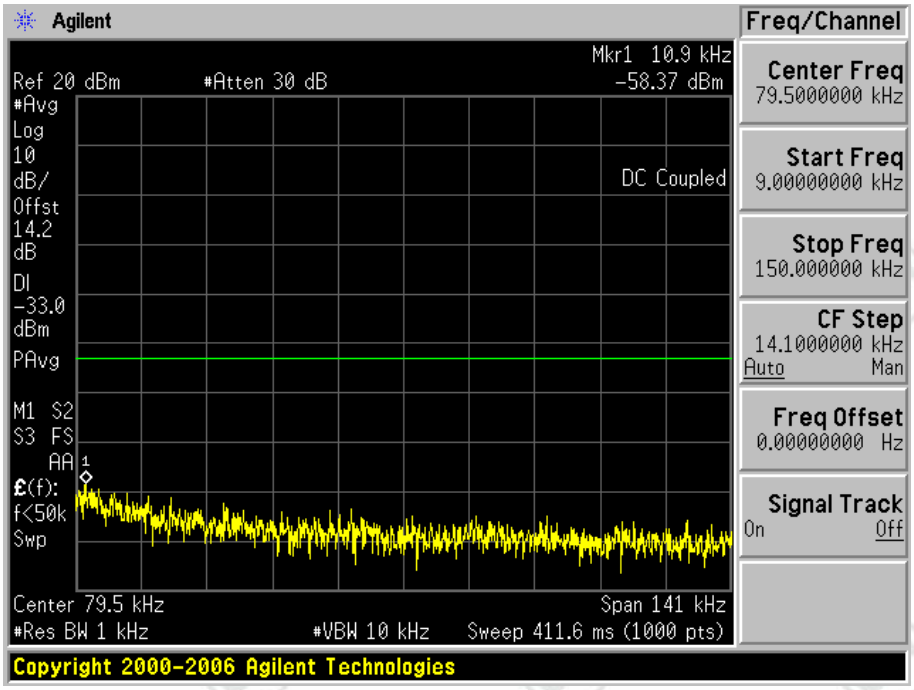
Test Requirement:	Part 2.1051/Part 2.1057
Test Method:	TIA-603-E-2016 Clause 2.2.13
Test Setup:	Refer to section 5 for details
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyzer, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).the equipment operates below 10GHz: to the tenth harmonic of the highest fundamental frequency or to 40GHz.whichever is lower, the resolution bandwidth of the spectrum analyzer was set at 100kHz for spurious emissions below 1 GHz, and 1 MHz for spurious emissions above 1GHz.the video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to mean or average power.
Instruments Used:	Refer to section 7 for details
Limit:	Attenuated at least 43+10log(P)
Test Results:	Pass

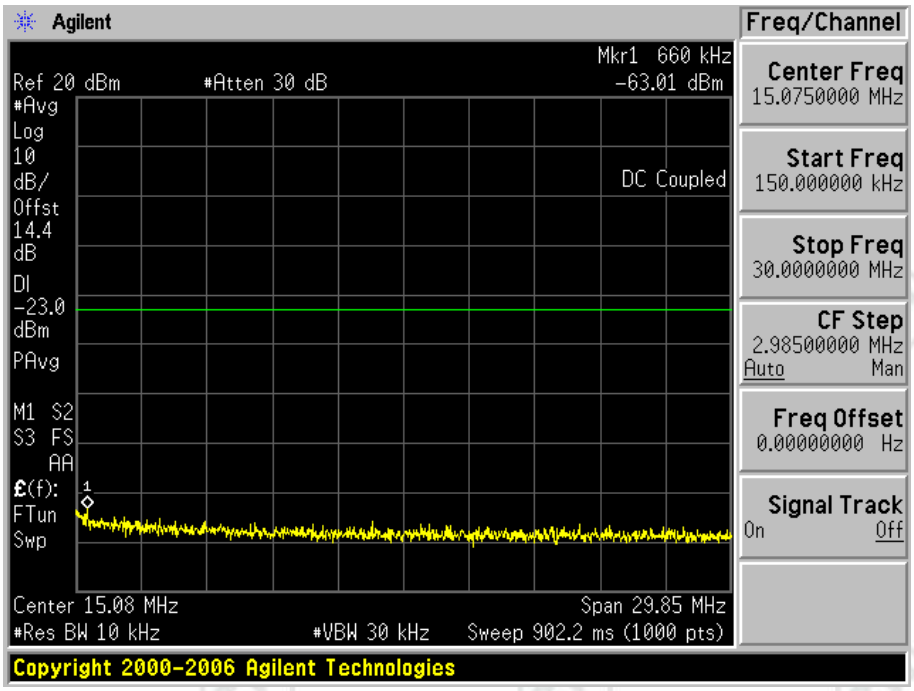
For GSM

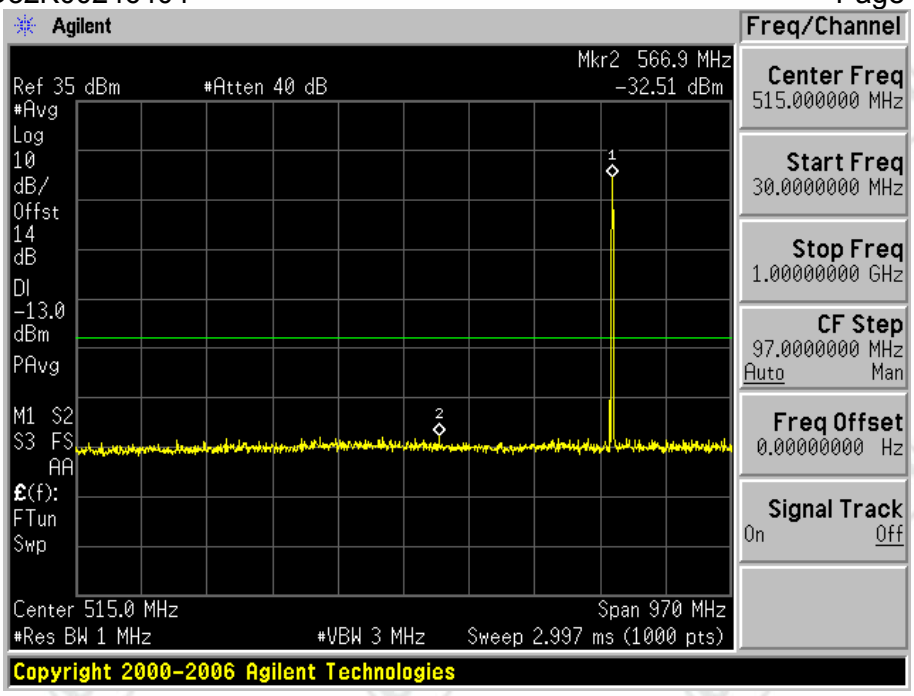
Test Band=GSM850

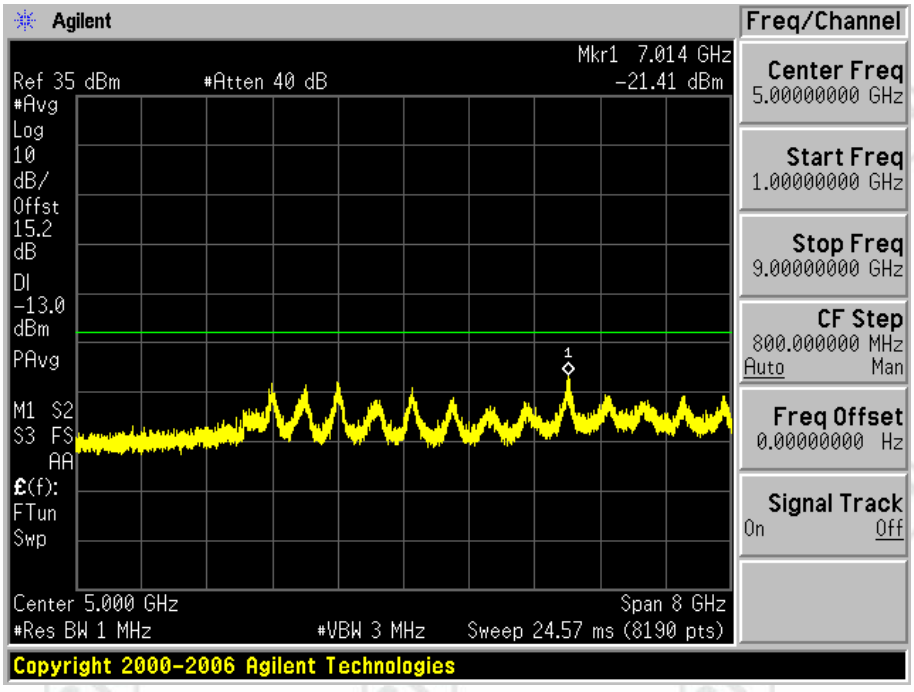
Test Mode=GSM/TM1

Test Channel=LCH

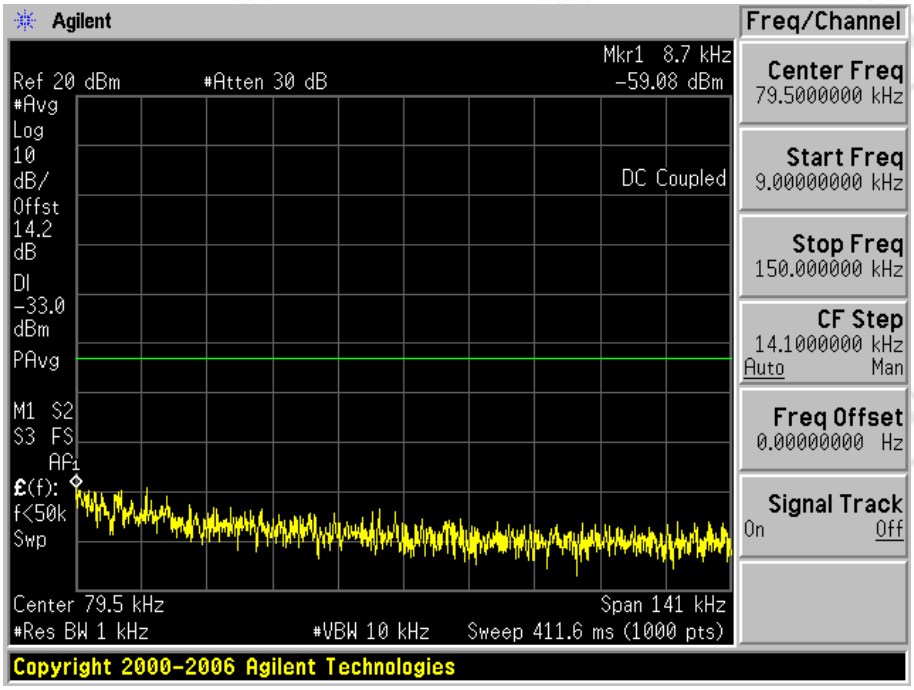


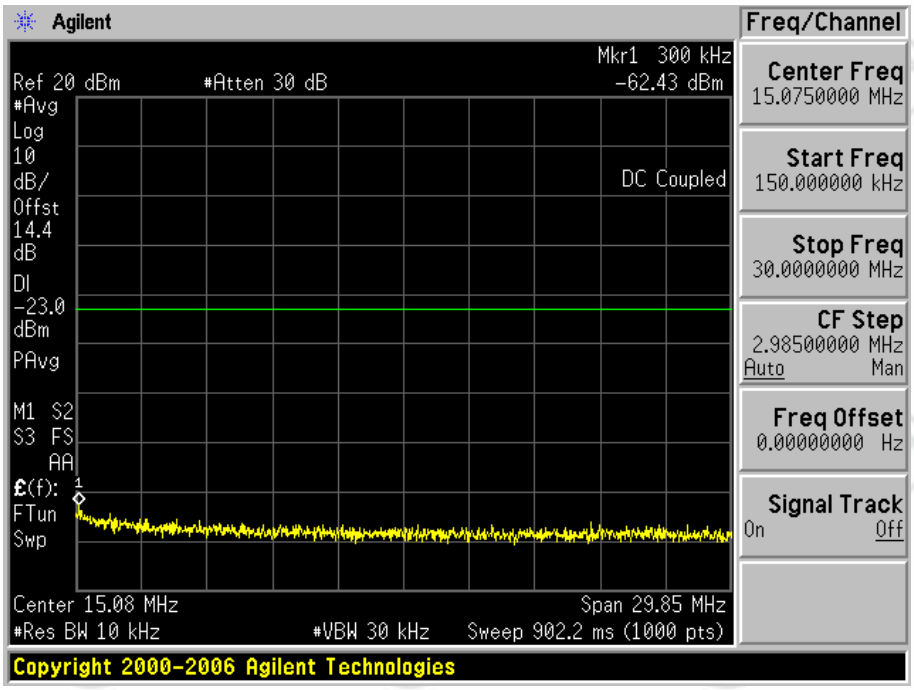


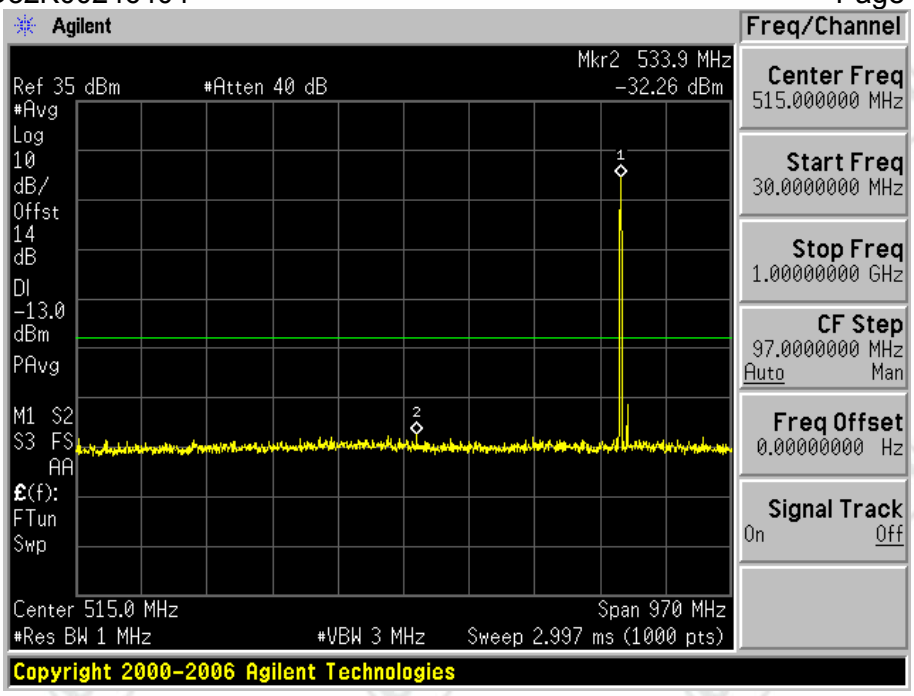

Agilent
Freq/Channel
Mkr2 566.9 MHz
Ref 35 dBm
#Atten 40 dB
-32.51 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

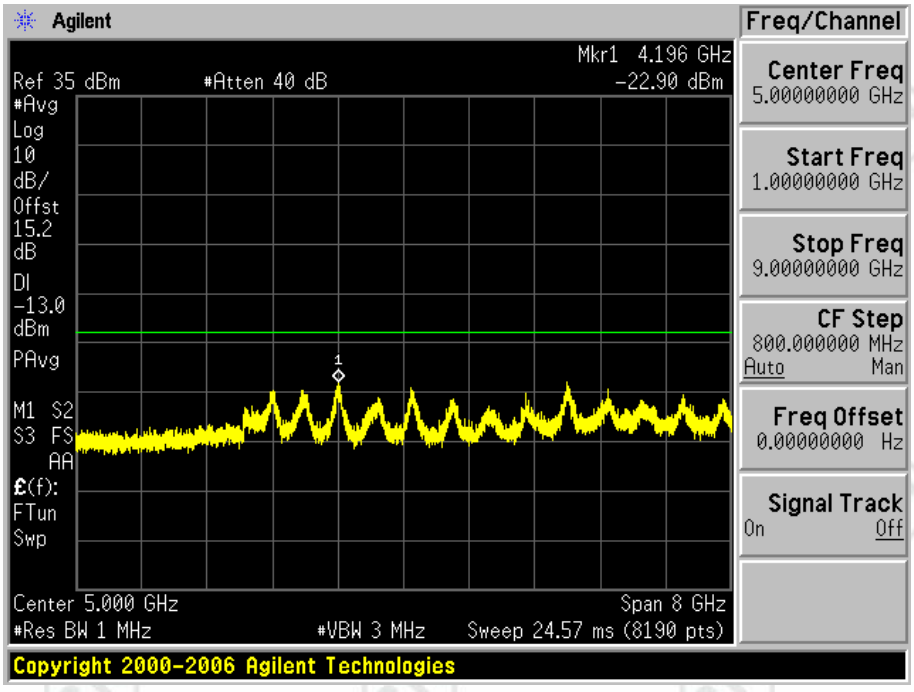

Agilent
Freq/Channel
Mkr1 7.014 GHz
Ref 35 dBm
#Atten 40 dB
-21.41 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=MCH

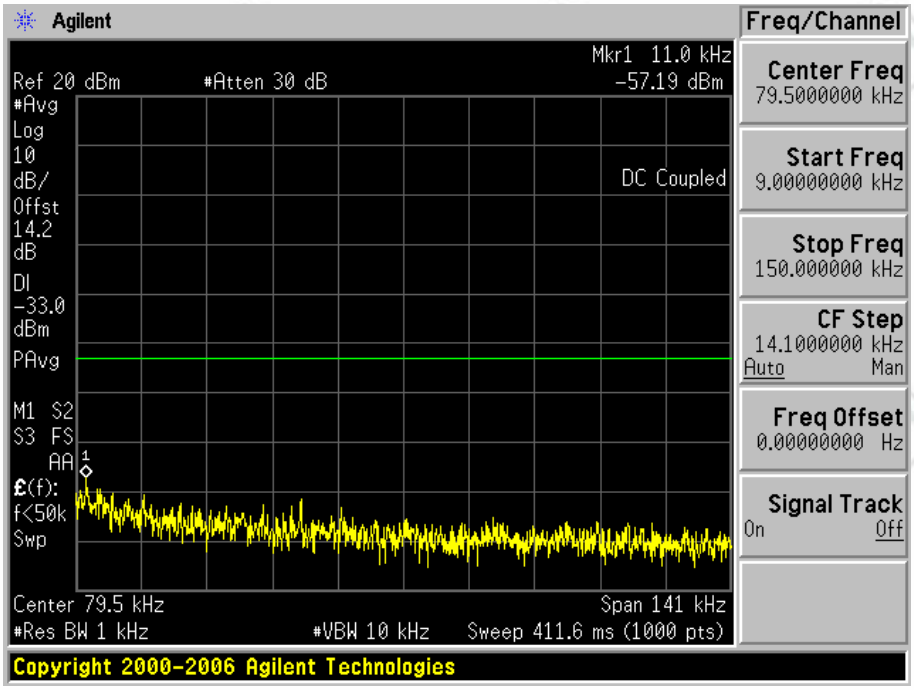


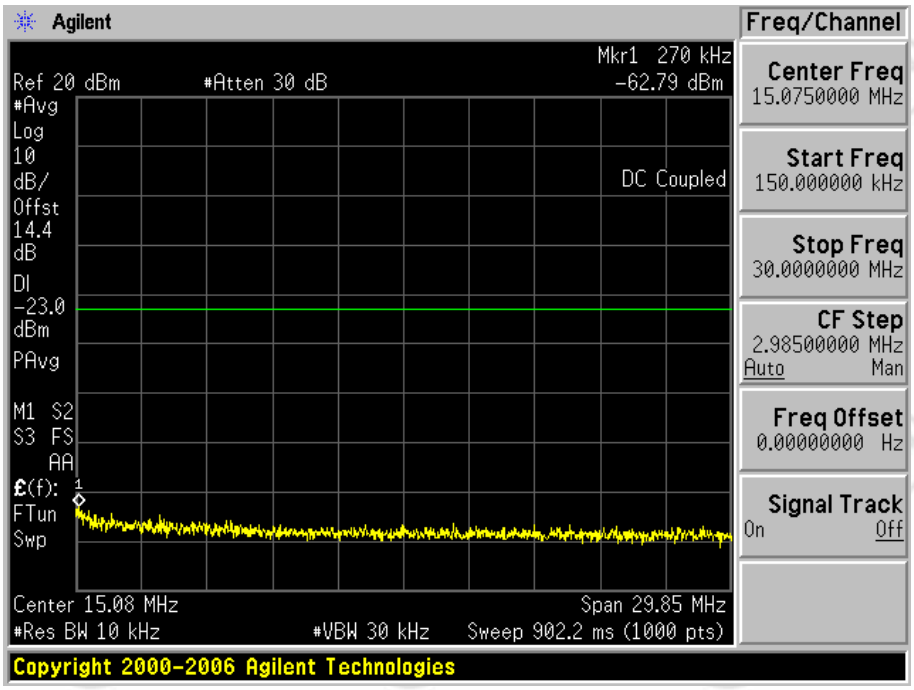


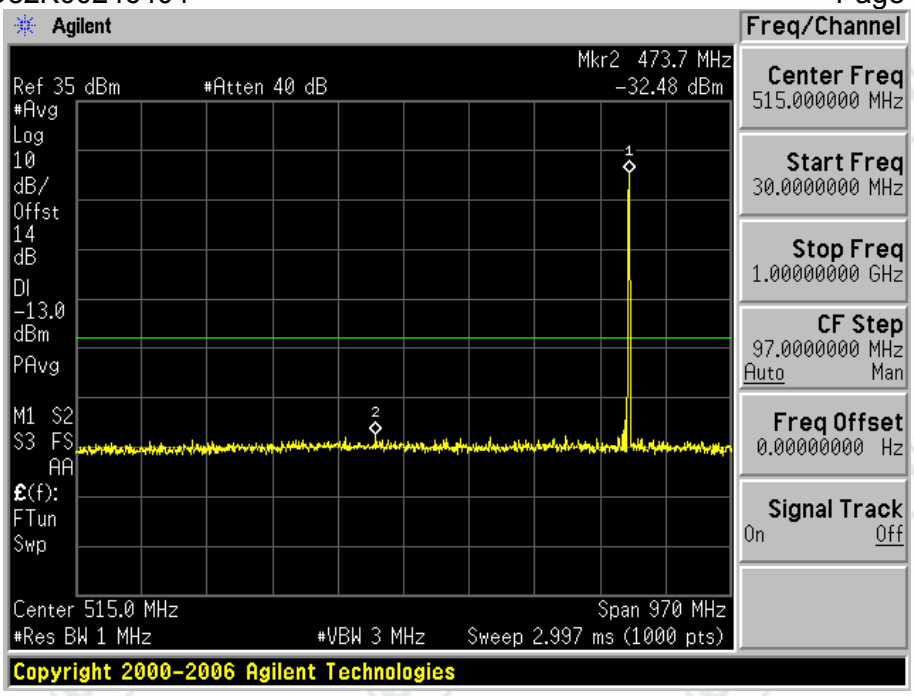

Agilent
Freq/Channel
Mkr2 533.9 MHz
Ref 35 dBm
#Atten 40 dB
-32.26 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

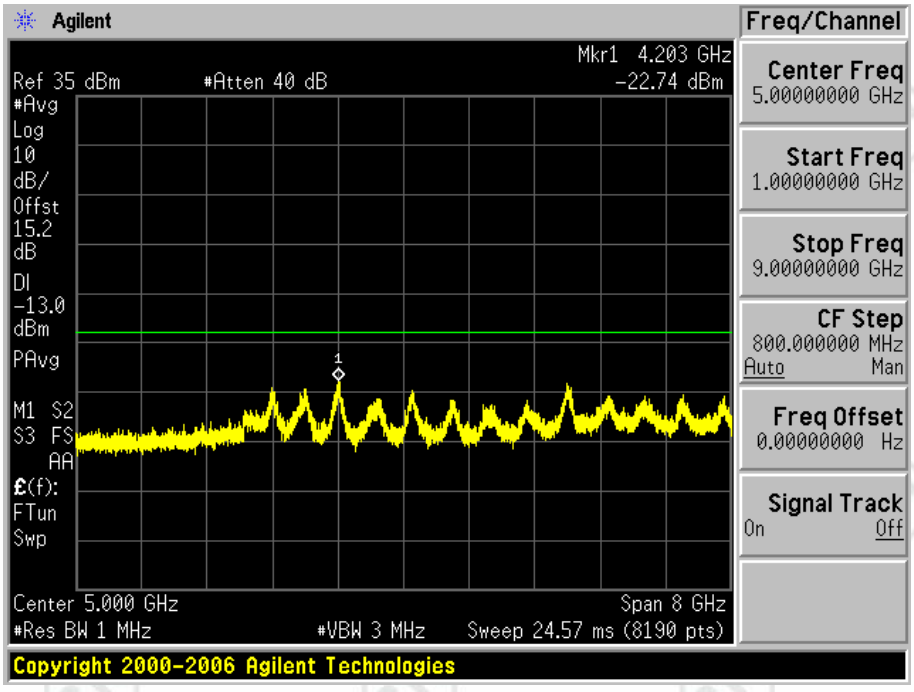

Agilent
Freq/Channel
Mkr1 4.196 GHz
Ref 35 dBm
#Atten 40 dB
-22.90 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH



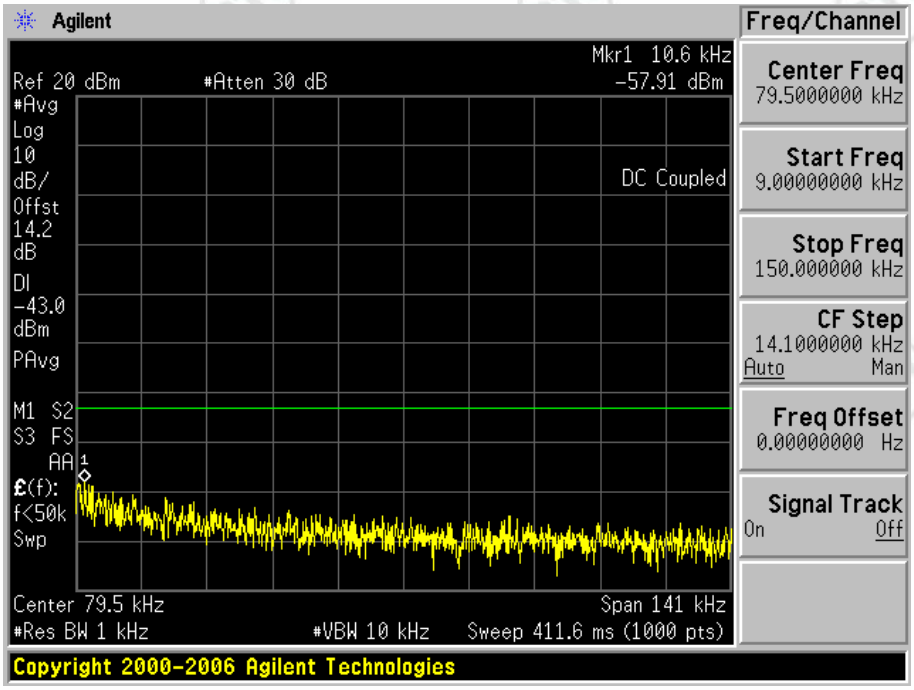


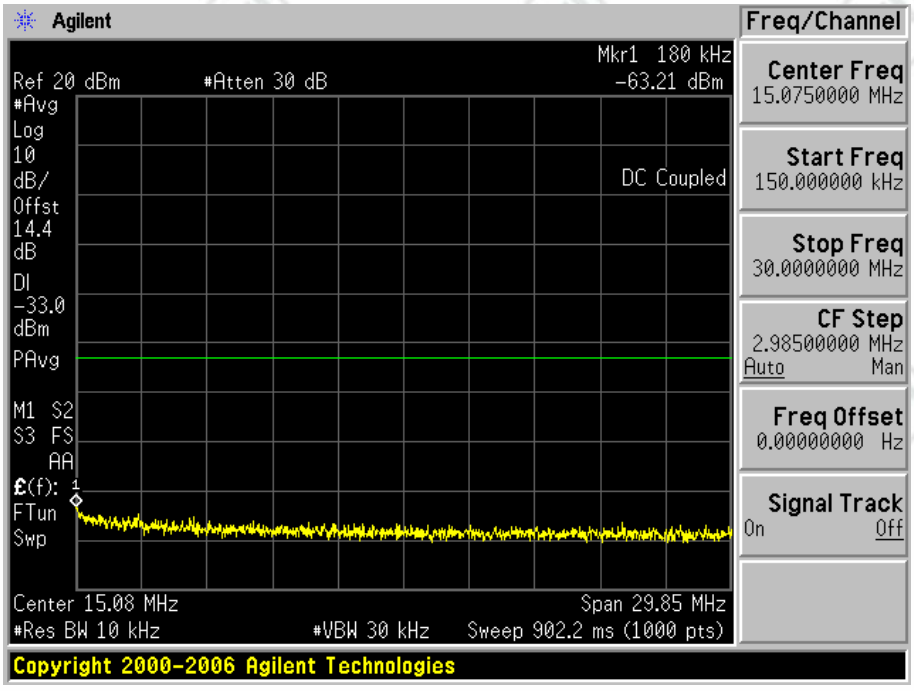

Agilent
Freq/Channel
Mkr2 473.7 MHz
Ref 35 dBm
#Atten 40 dB
-32.48 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

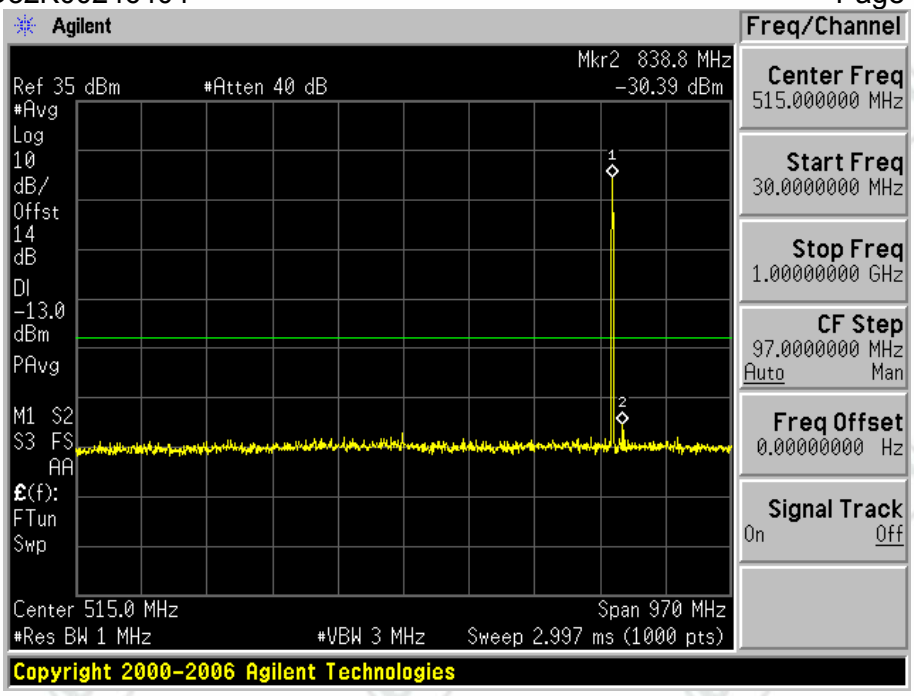

Agilent
Freq/Channel
Mkr1 4.203 GHz
Ref 35 dBm
#Atten 40 dB
-22.74 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

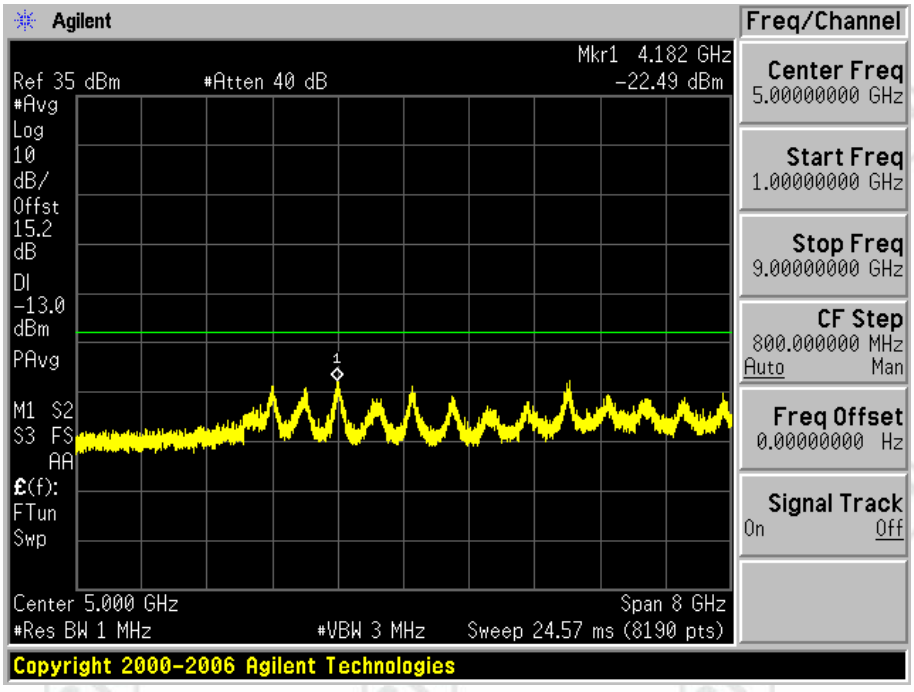
Test Mode=GSM/TM2

Test Channel=LCH

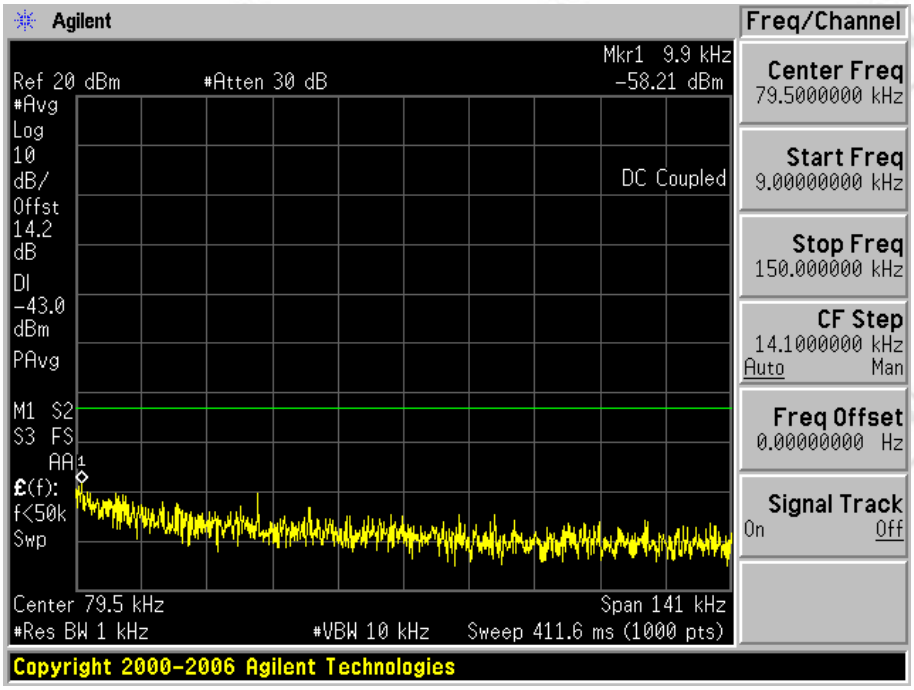


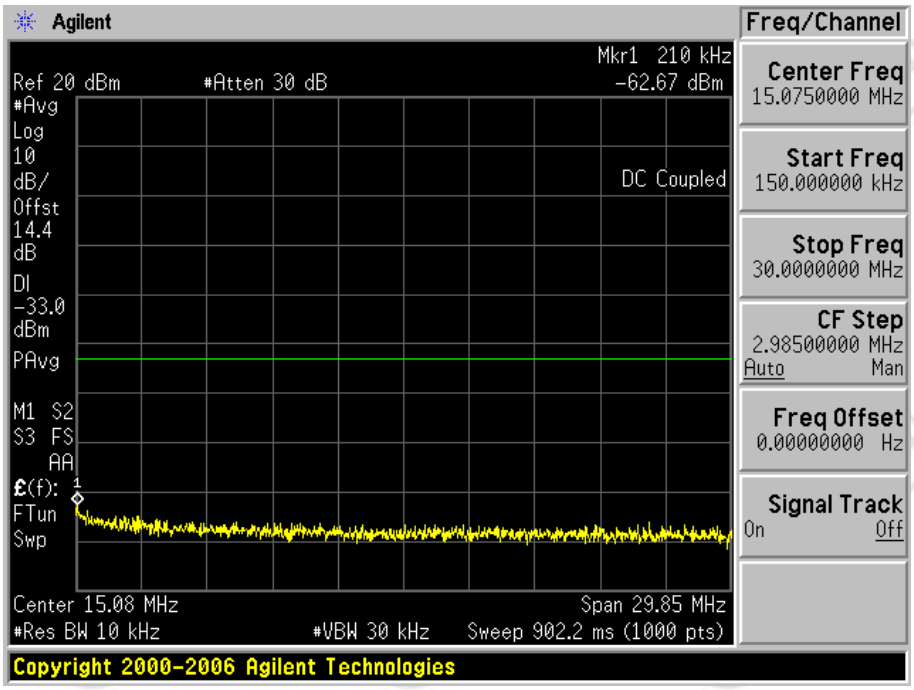


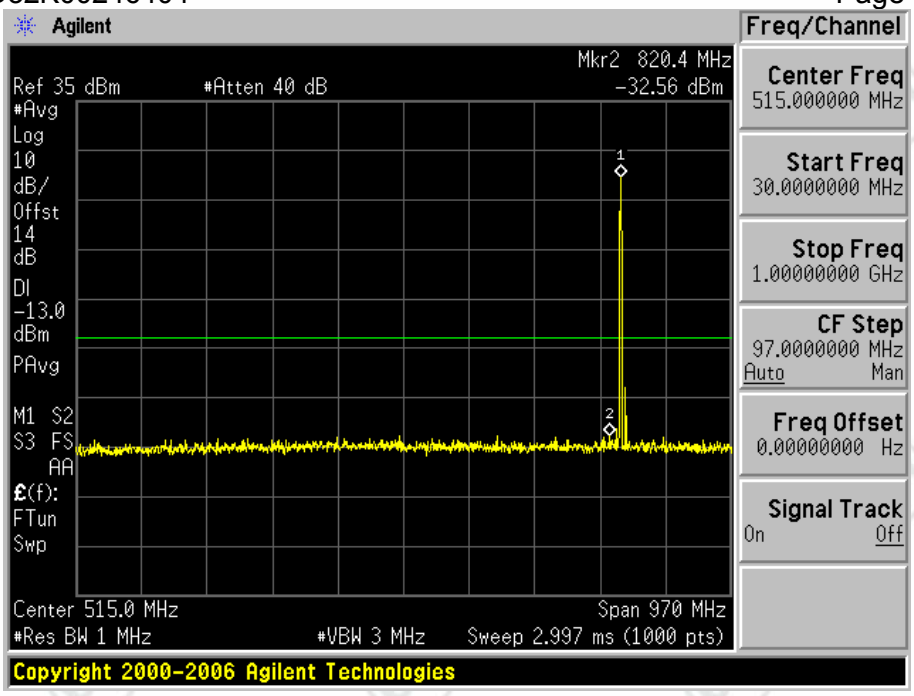

Agilent
Freq/Channel
Mkr2 838.8 MHz
Ref 35 dBm
#Atten 40 dB
-30.39 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

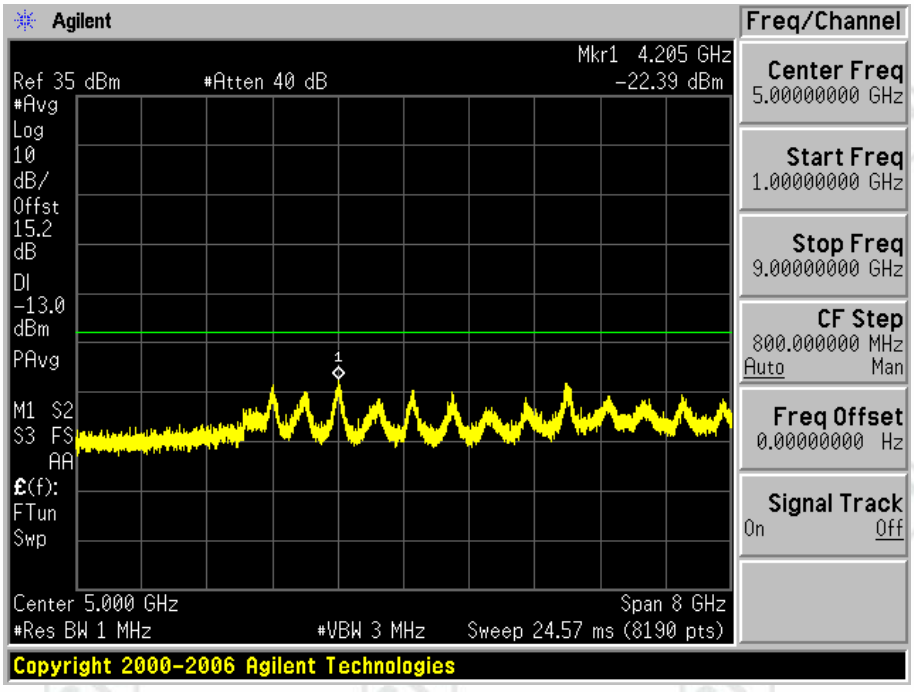

Agilent
Freq/Channel
Mkr1 4.182 GHz
Ref 35 dBm
#Atten 40 dB
-22.49 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=MCH

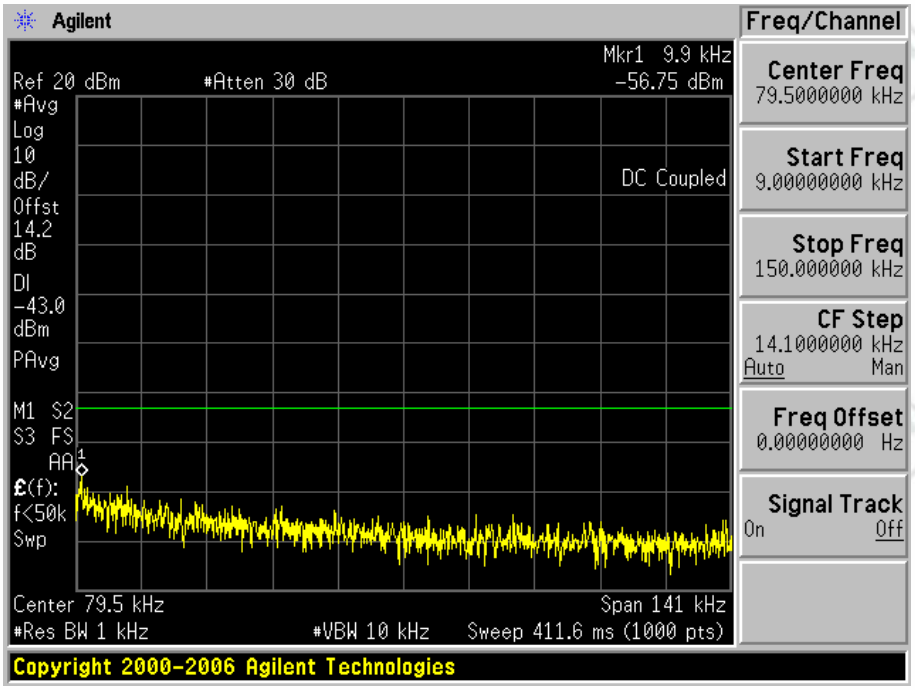


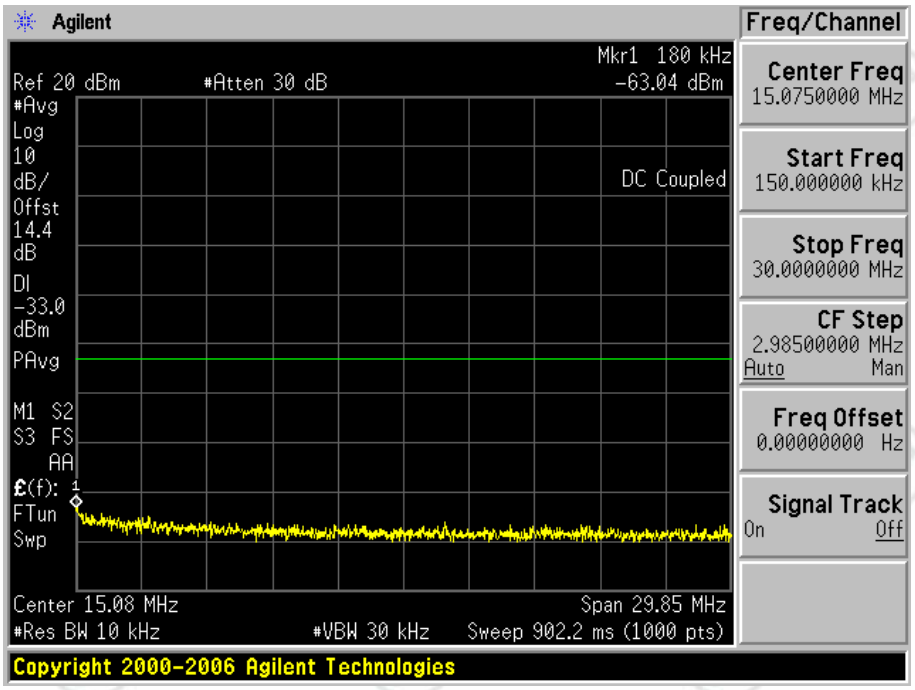


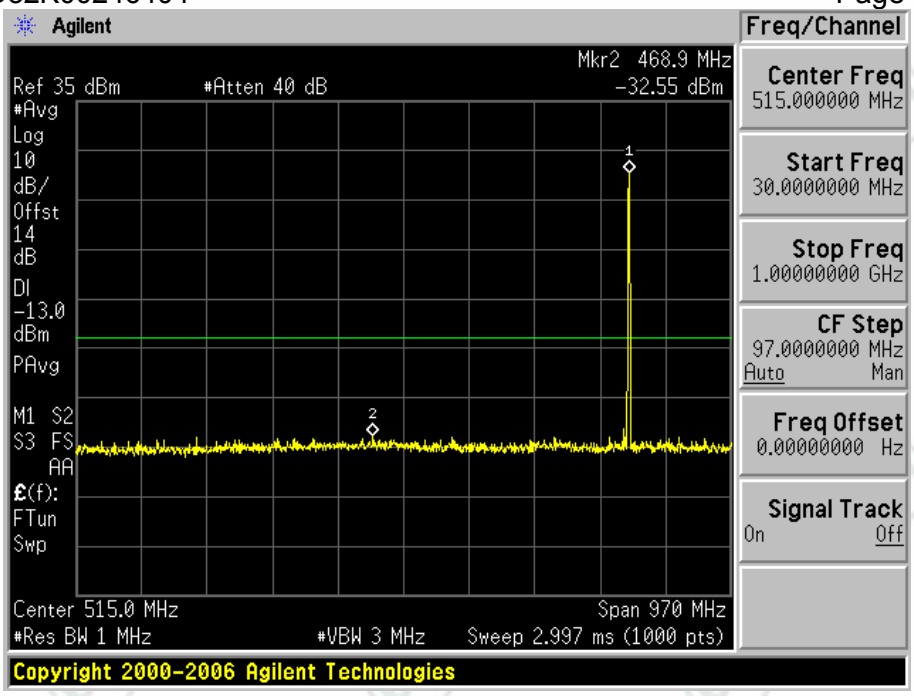

Agilent
Freq/Channel
Mkr2 820.4 MHz
Ref 35 dBm
#Atten 40 dB
-32.56 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

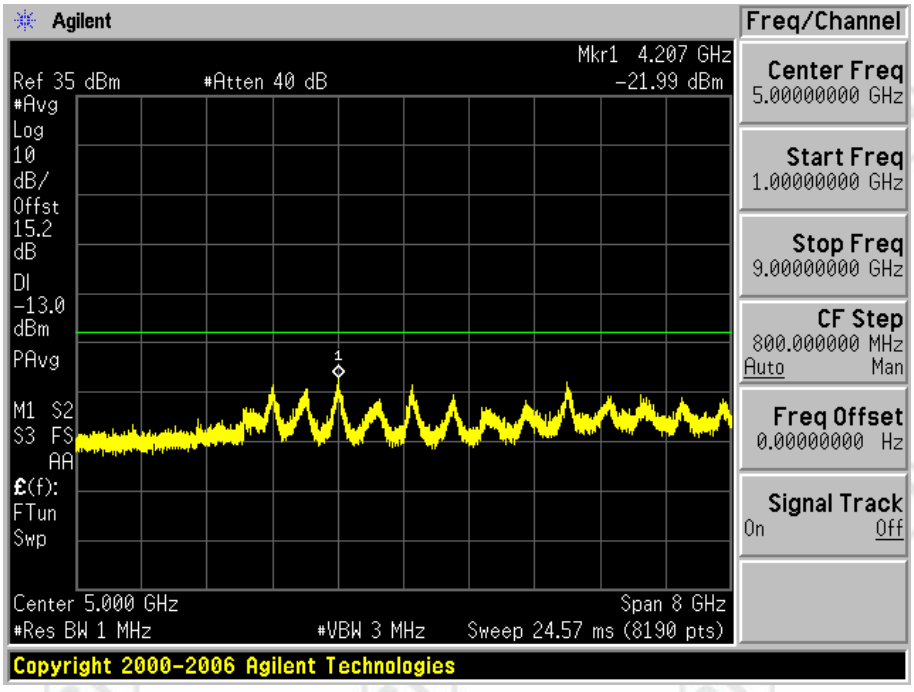

Agilent
Freq/Channel
Mkr1 4.205 GHz
Ref 35 dBm
#Atten 40 dB
-22.39 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH



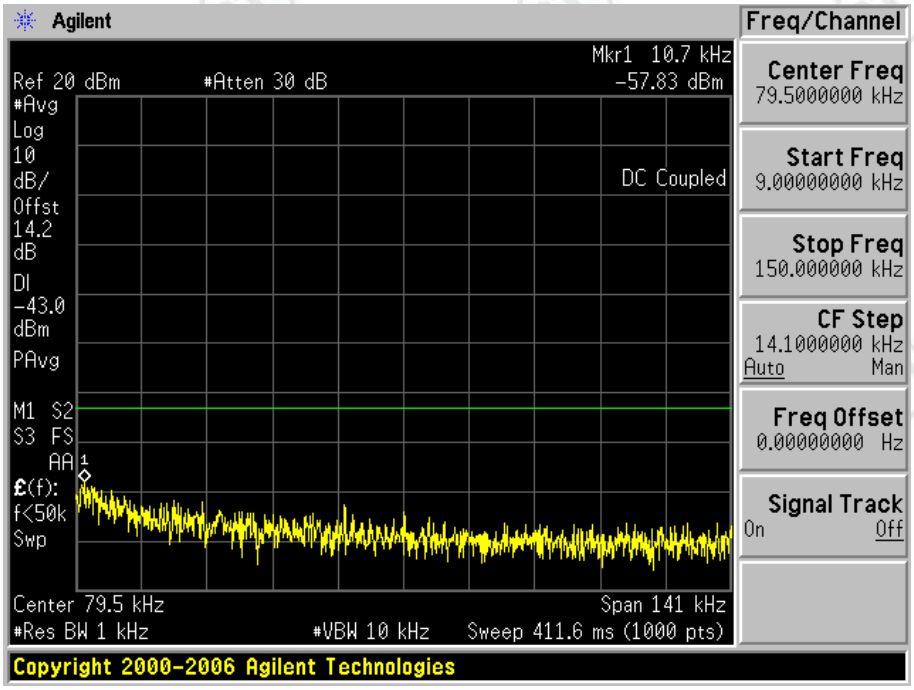


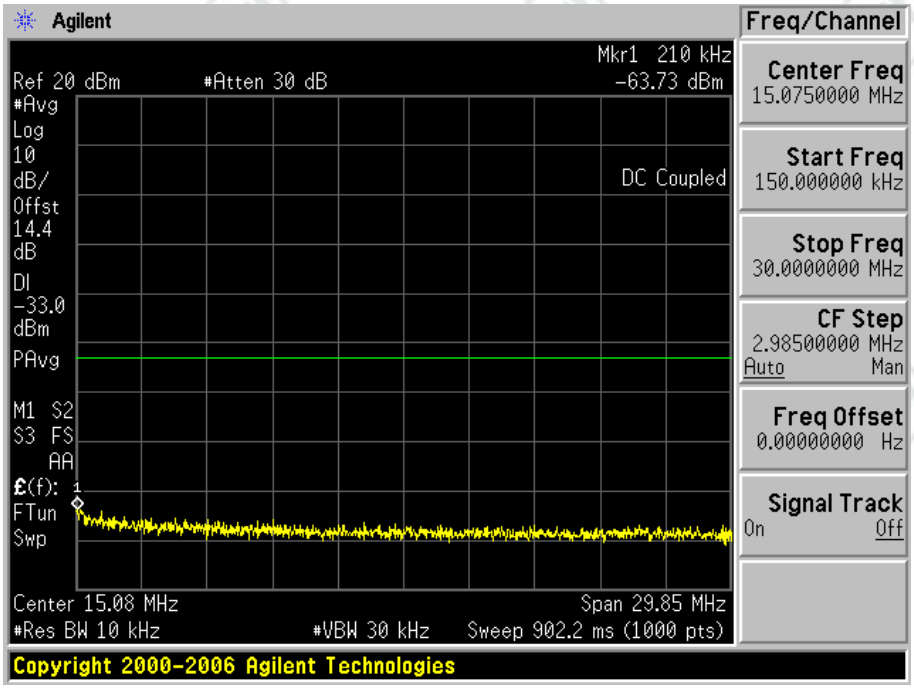

Agilent
Freq/Channel
Mkr2 468.9 MHz
Ref 35 dBm
#Atten 40 dB
-32.55 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

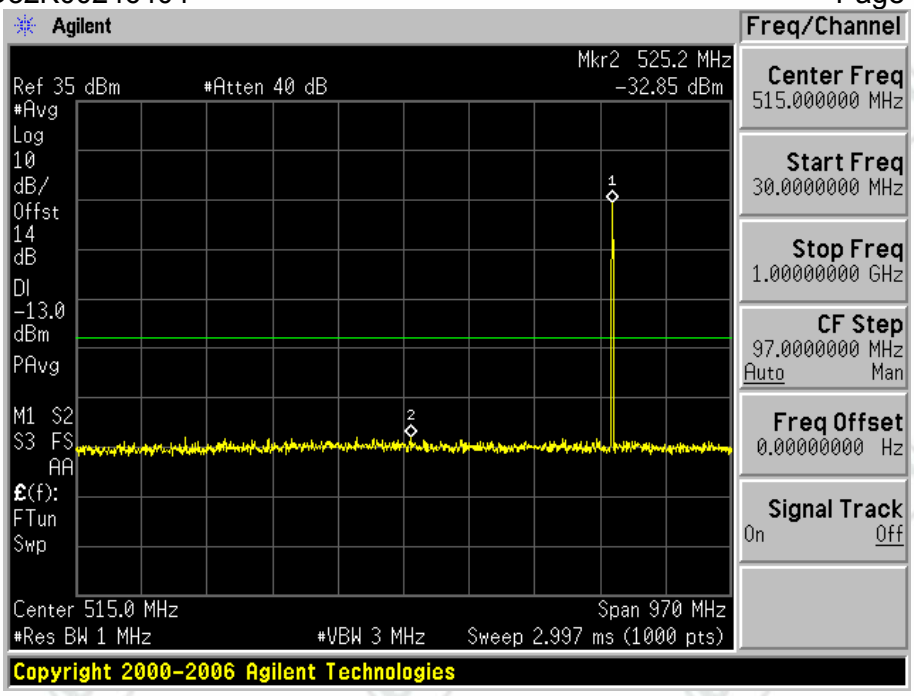

Agilent
Freq/Channel
Mkr1 4.207 GHz
Ref 35 dBm
#Atten 40 dB
-21.99 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

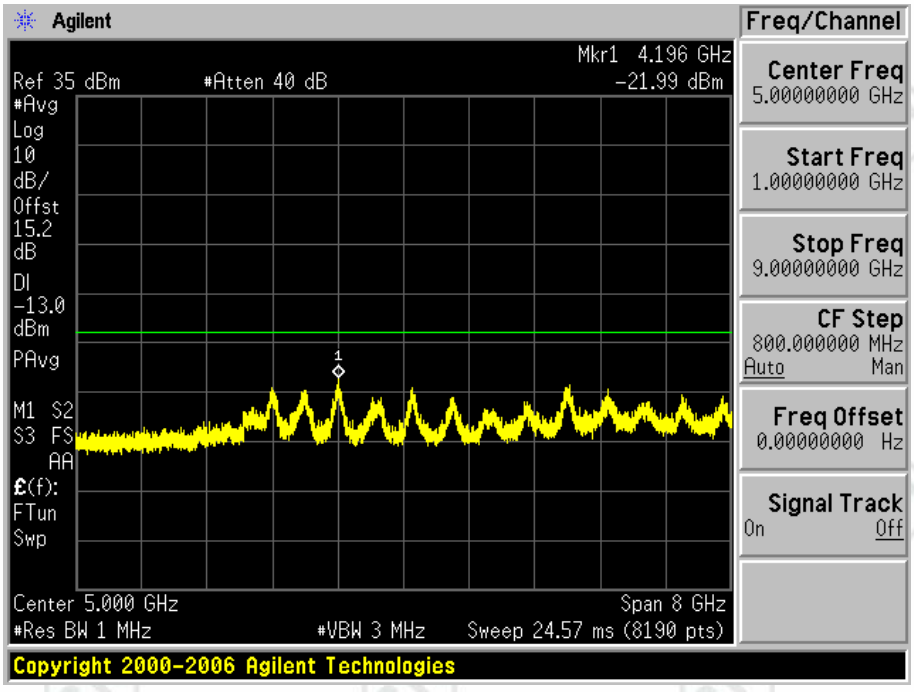
Test Mode=GSM/TM3

Test Channel=LCH






Agilent
Freq/Channel
Mkr2 525.2 MHz
Ref 35 dBm
#Atten 40 dB
-32.85 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 4.196 GHz
Ref 35 dBm
#Atten 40 dB
-21.99 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
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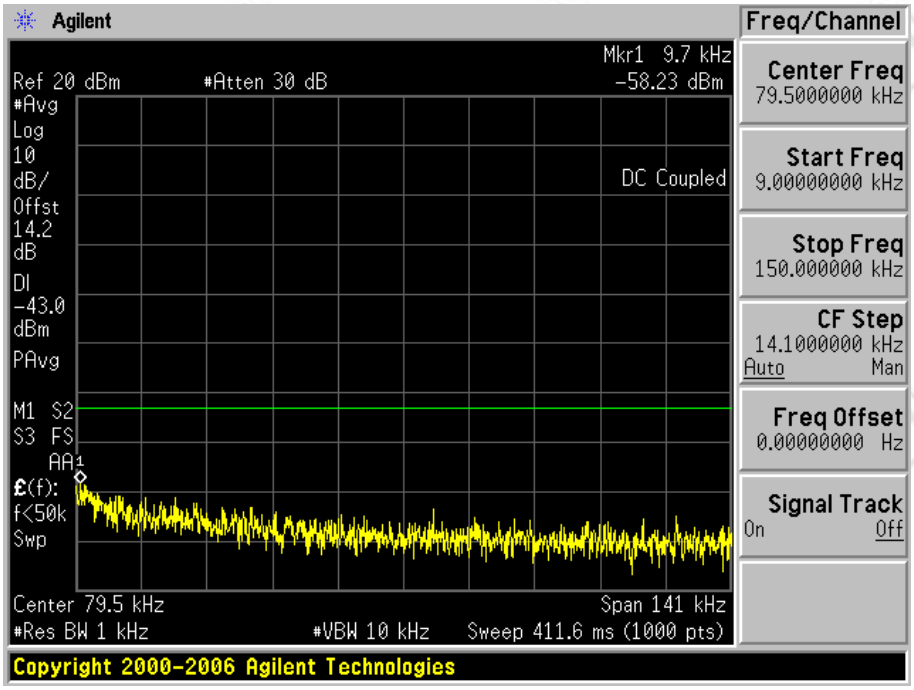
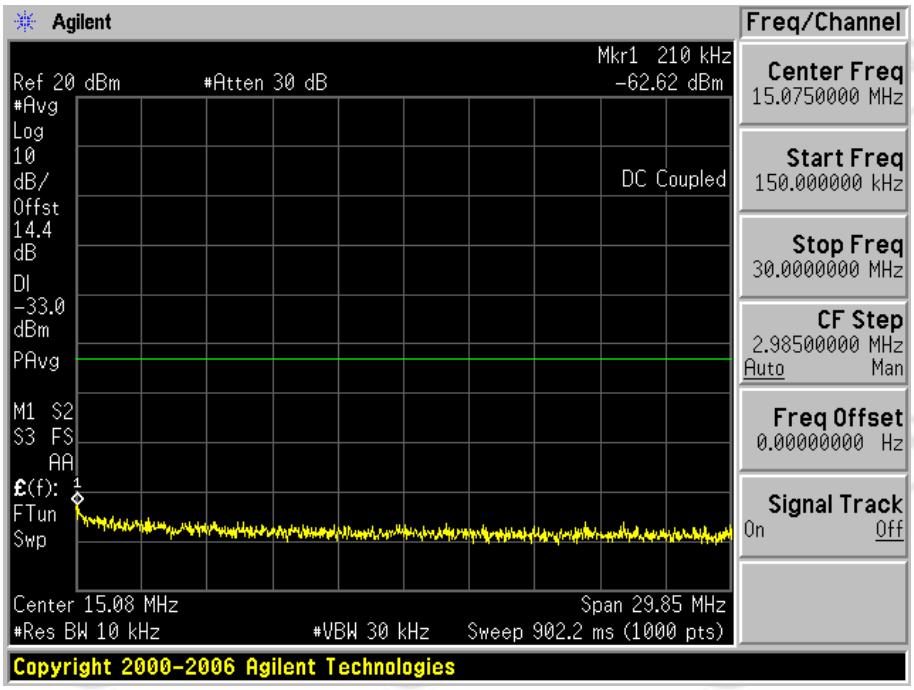
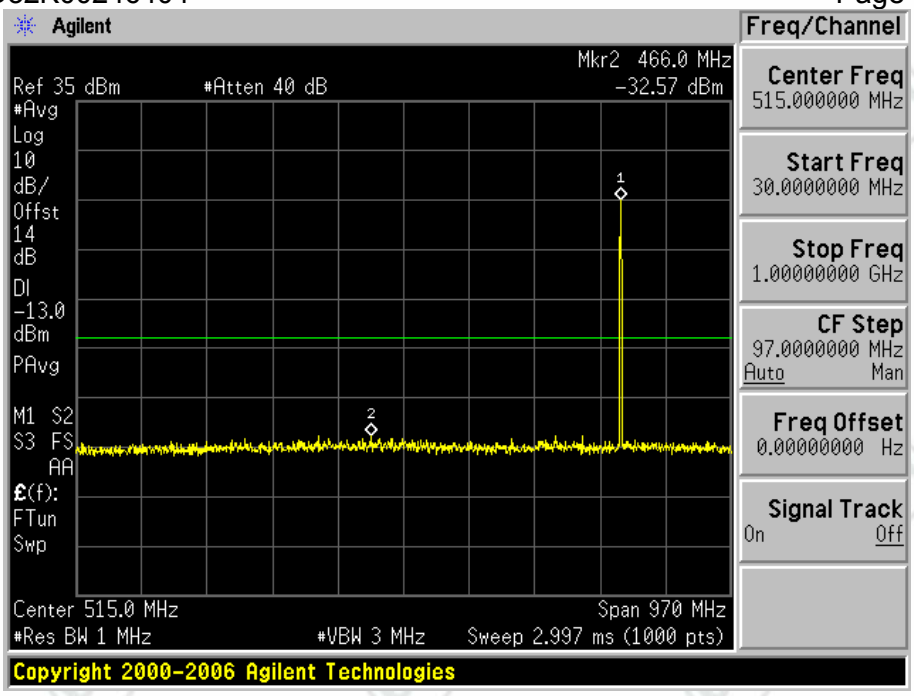
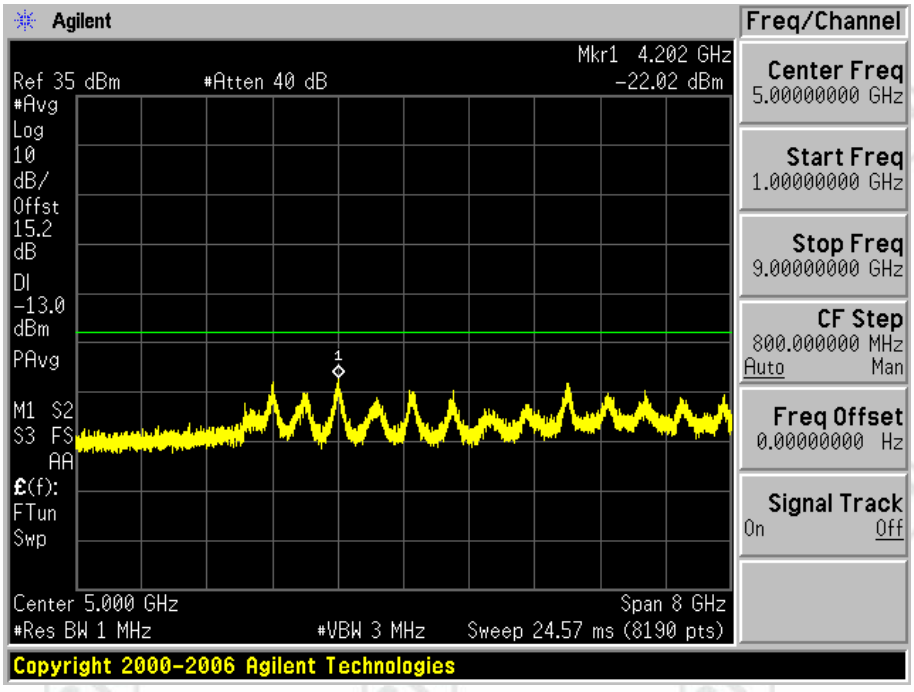
Test Channel=MCH

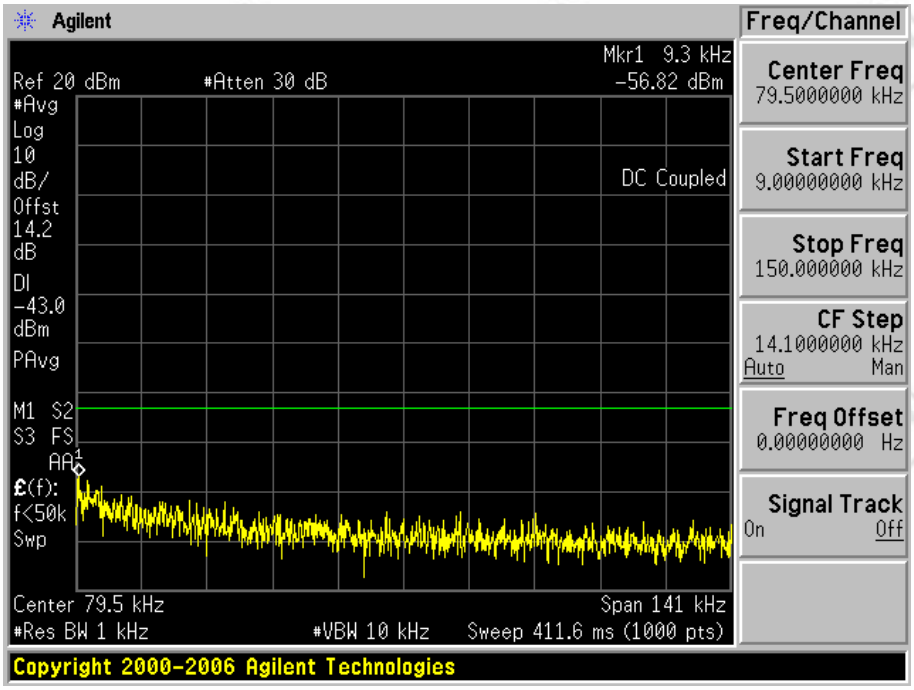


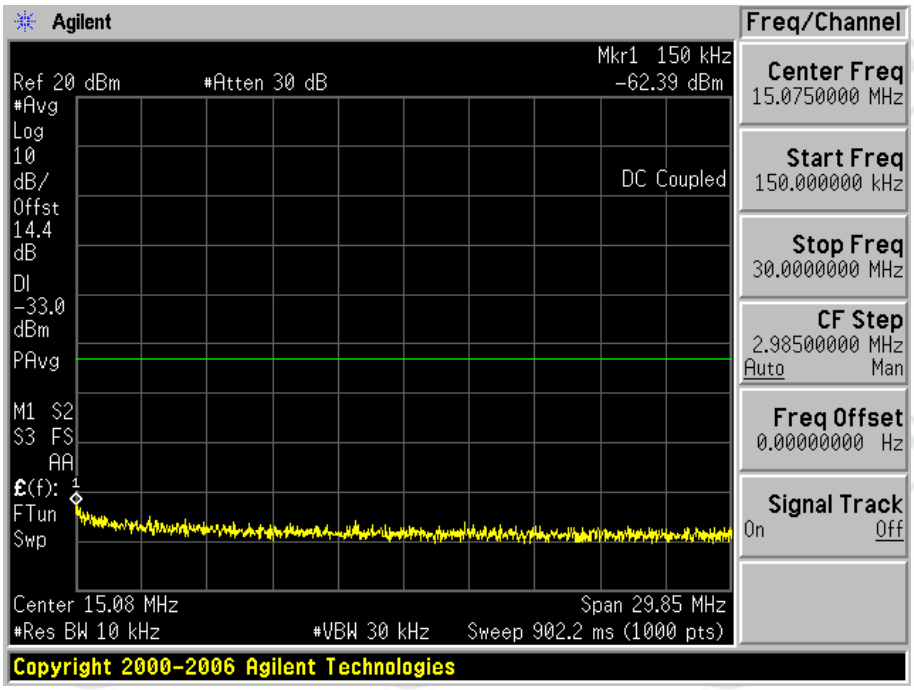


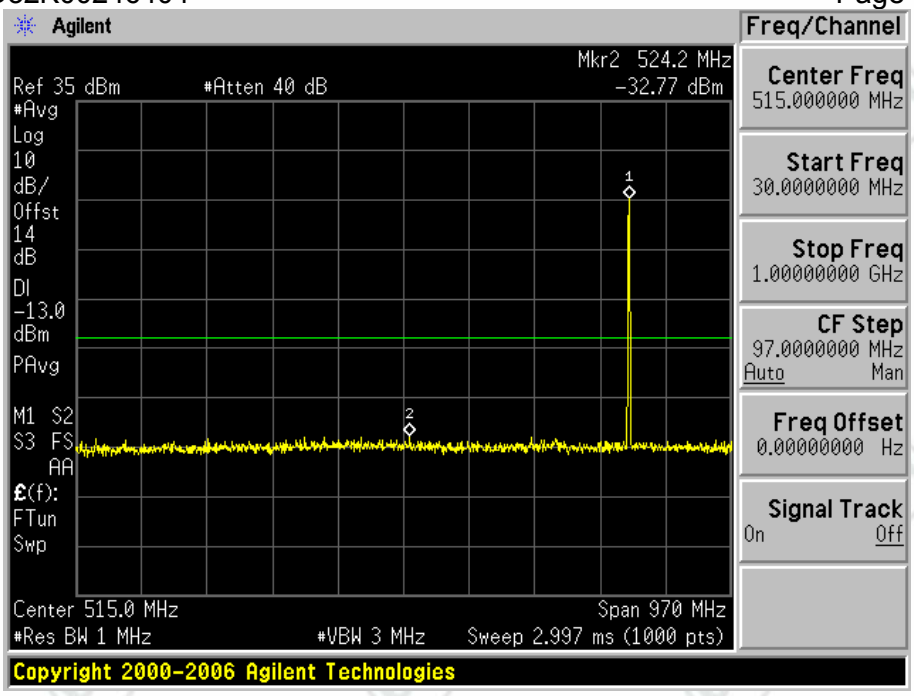

Agilent
Freq/Channel
Mkr2 466.0 MHz
Ref 35 dBm
#Atten 40 dB
-32.57 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

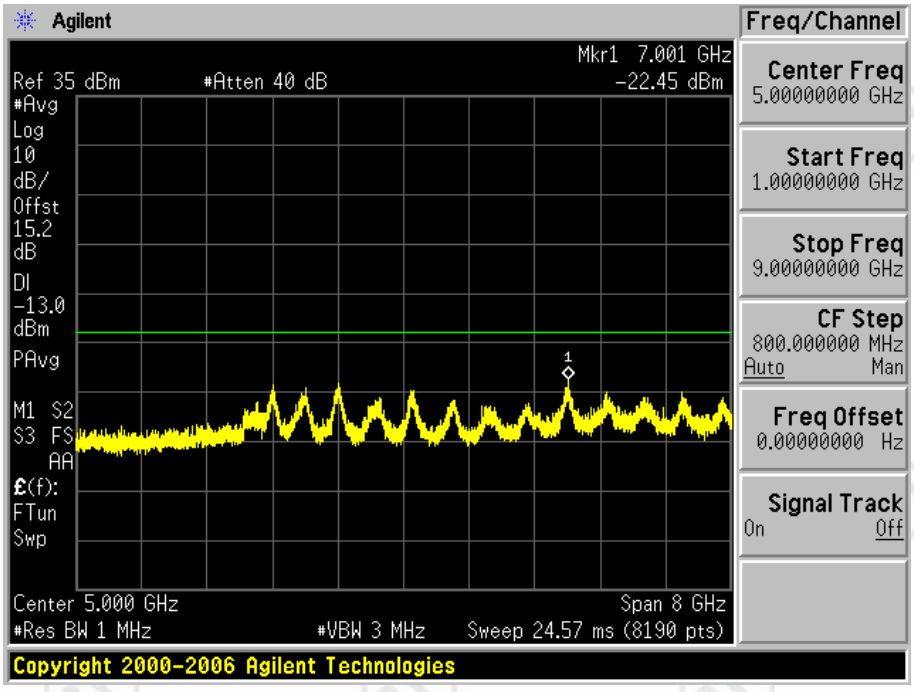

Agilent
Freq/Channel
Mkr1 4.202 GHz
Ref 35 dBm
#Atten 40 dB
-22.02 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH





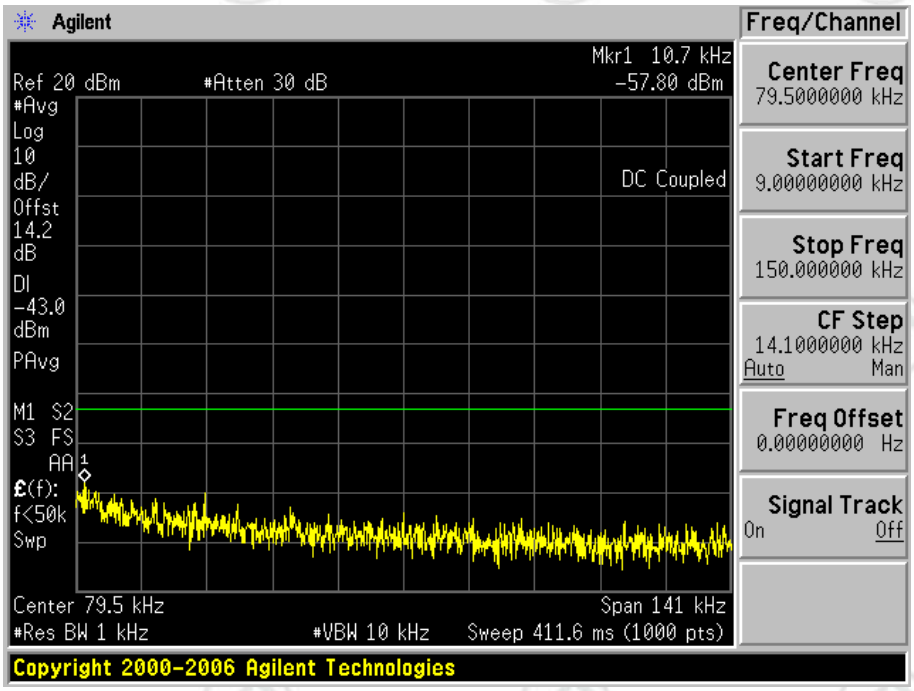

Agilent
Freq/Channel
Mkr2 524.2 MHz
Ref 35 dBm
#Atten 40 dB
-32.77 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

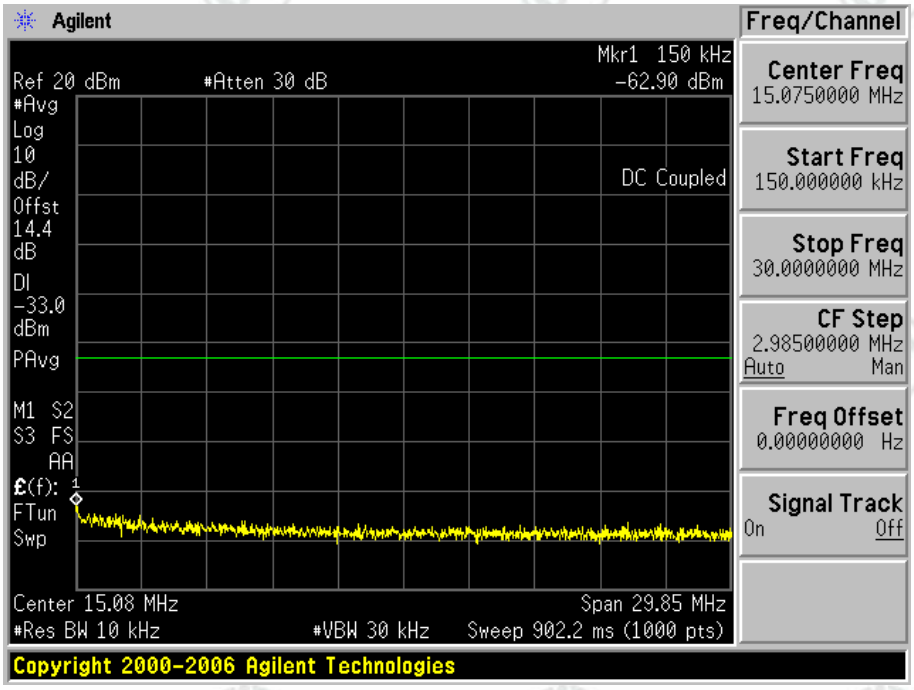

Agilent
Freq/Channel
Mkr1 7.001 GHz
Ref 35 dBm
#Atten 40 dB
-22.45 dBm
#Avg
Log
10
dB/
Offst
15.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.57 ms (8190 pts)
Copyright 2000-2006 Agilent Technologies

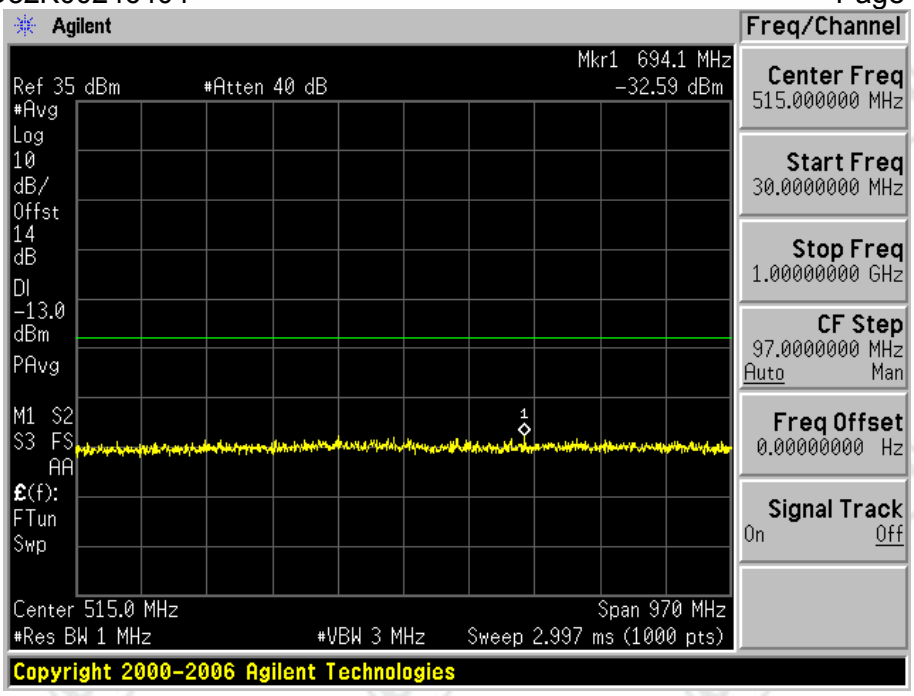
Test Band=GSM1900

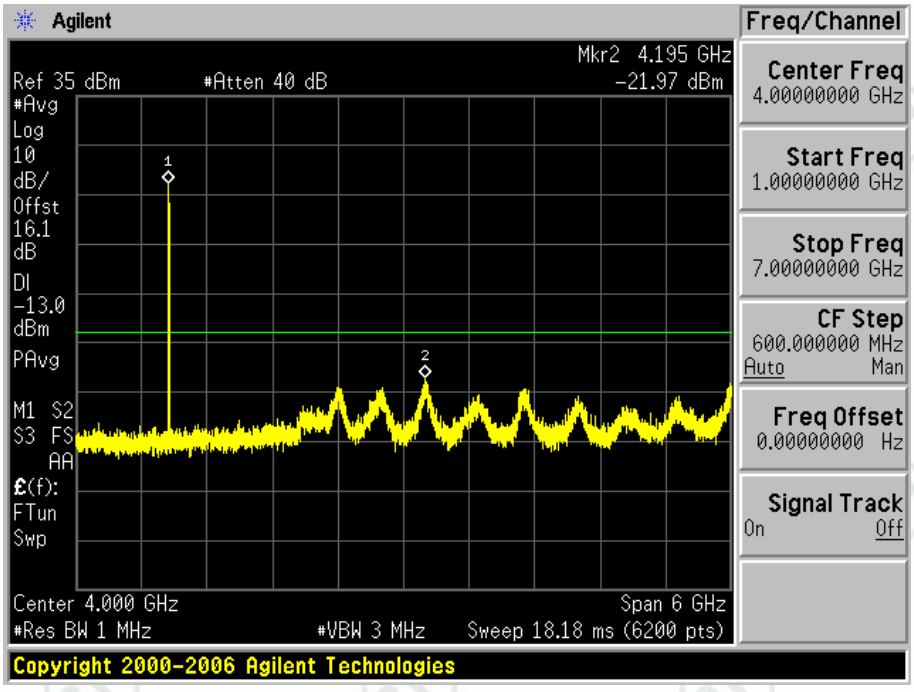
Test Mode=GSM/TM1

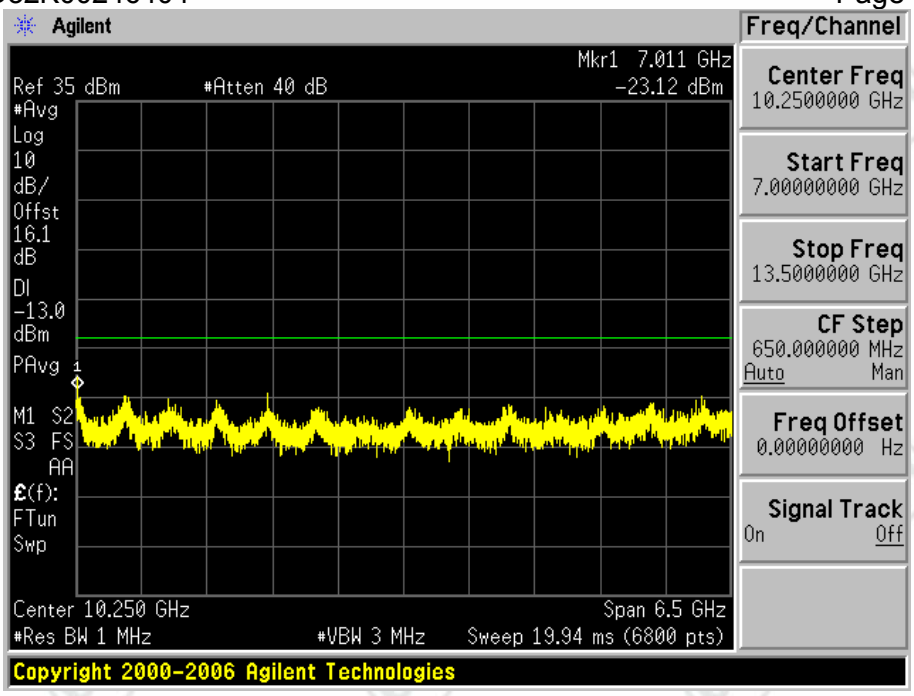
Test Channel=LCH

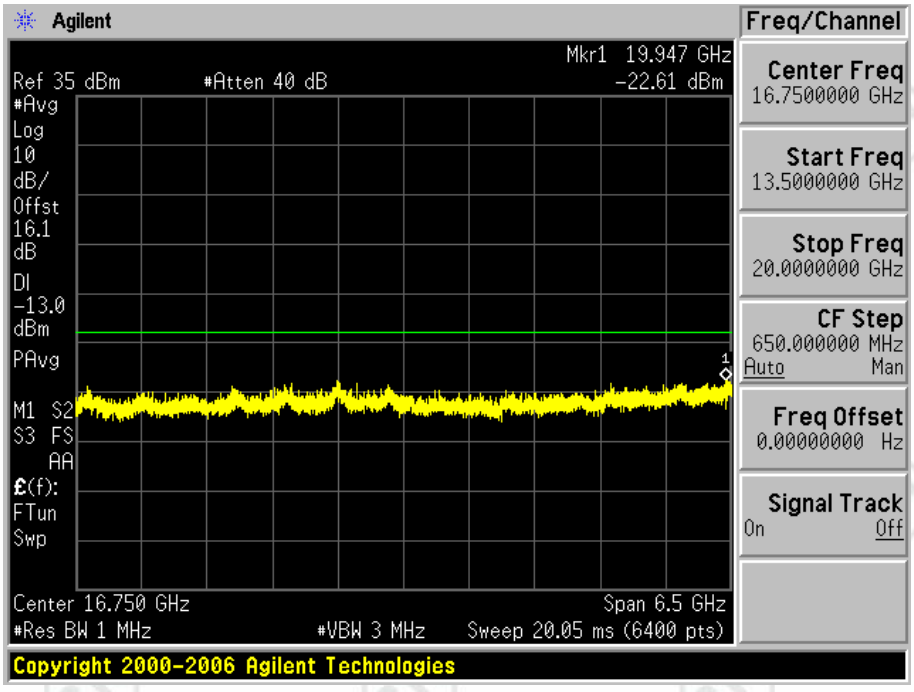




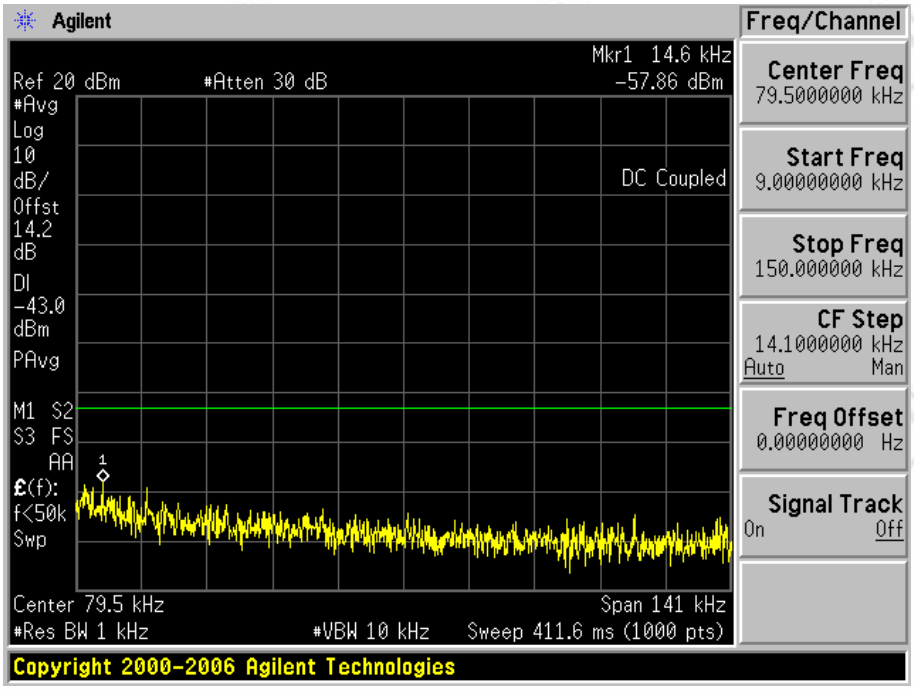

Agilent
Freq/Channel
Mkr1 694.1 MHz
Ref 35 dBm
#Atten 40 dB
-32.59 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

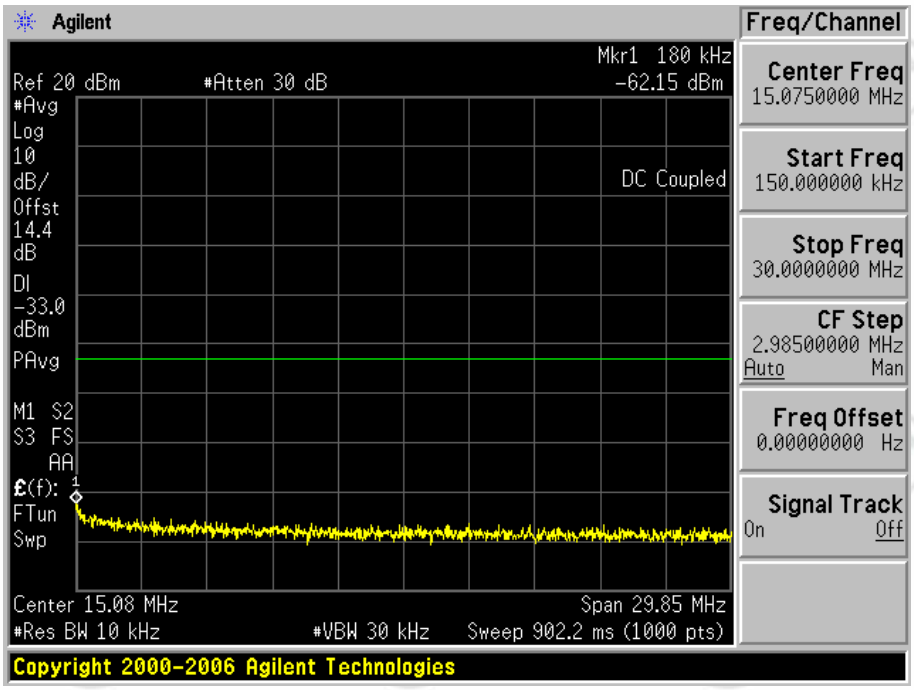

Agilent
Freq/Channel
Mkr2 4.195 GHz
Ref 35 dBm
#Atten 40 dB
-21.97 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

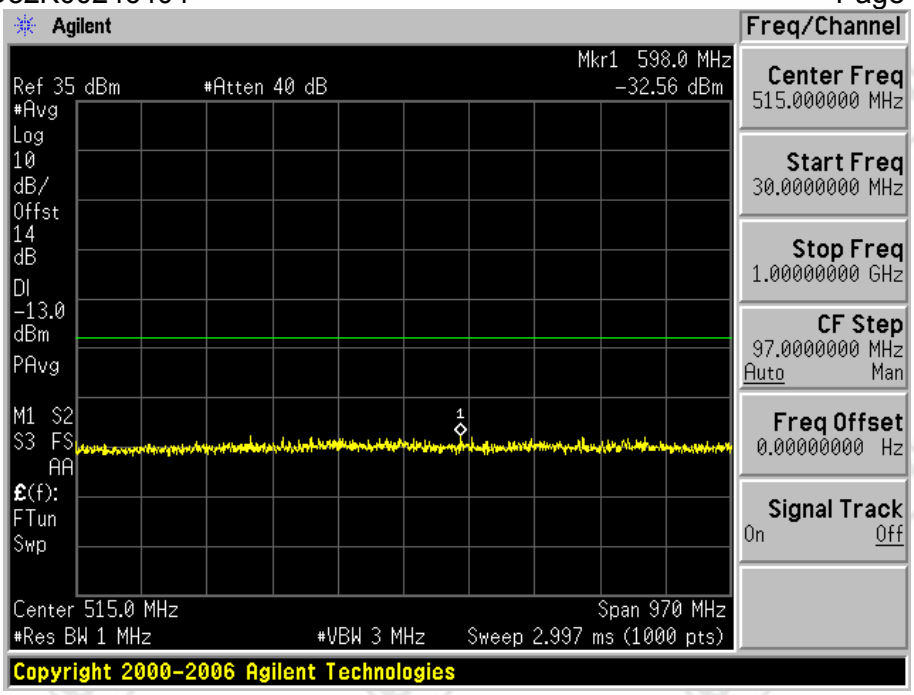

Agilent
Freq/Channel
Mkr1 7.011 GHz
Ref 35 dBm
#Atten 40 dB
-23.12 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.2500000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.5000000 GHz
CF Step
650.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.250 GHz
Span 6.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

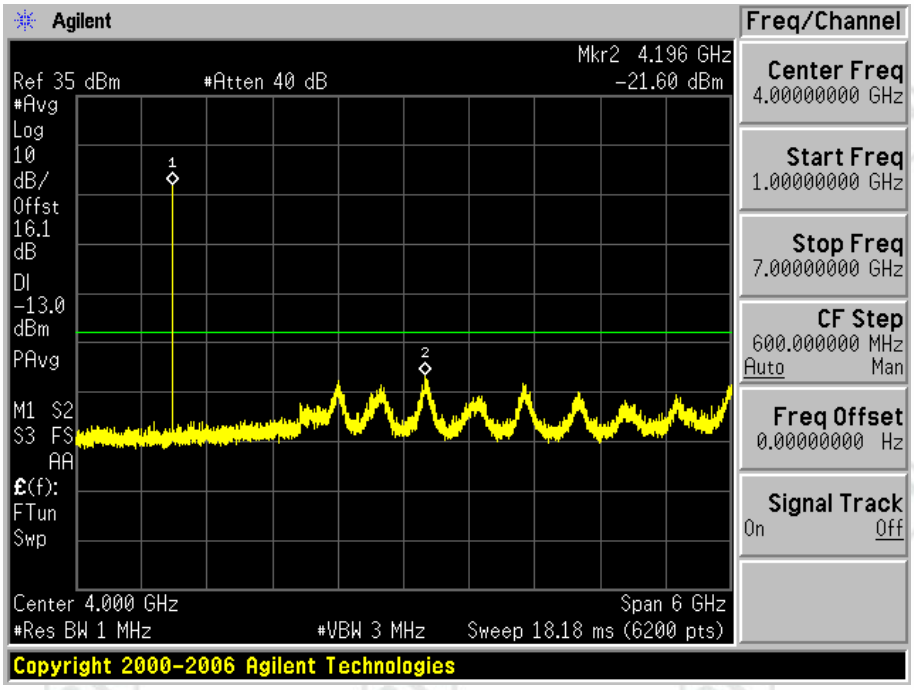

Agilent
Freq/Channel
Mkr1 19.947 GHz
Ref 35 dBm
#Atten 40 dB
-22.61 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.7500000 GHz
Start Freq
13.5000000 GHz
Stop Freq
20.0000000 GHz
CF Step
650.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.750 GHz
Span 6.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 20.05 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

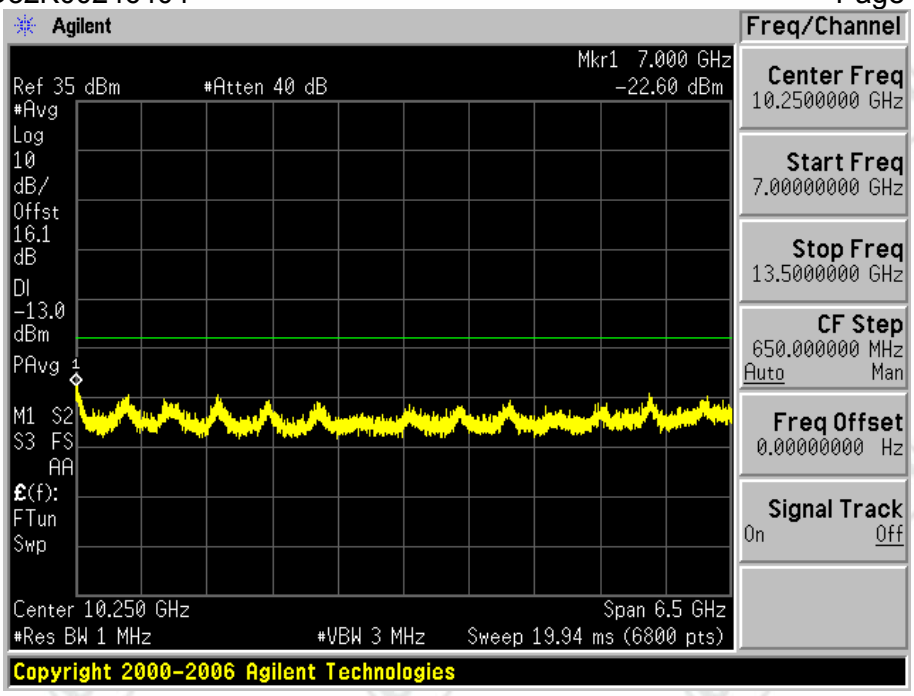
Test Channel=MCH

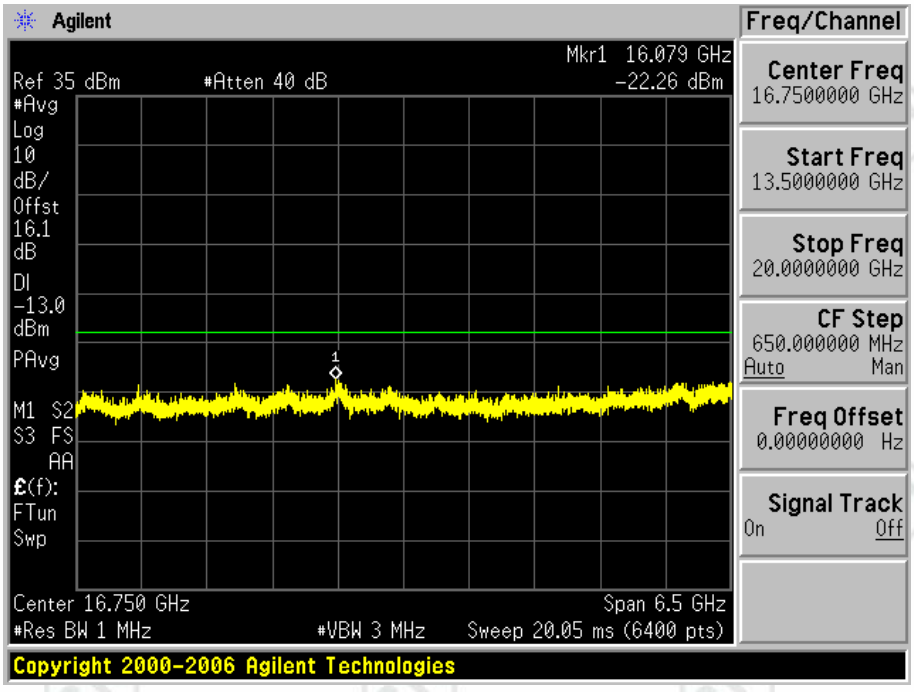




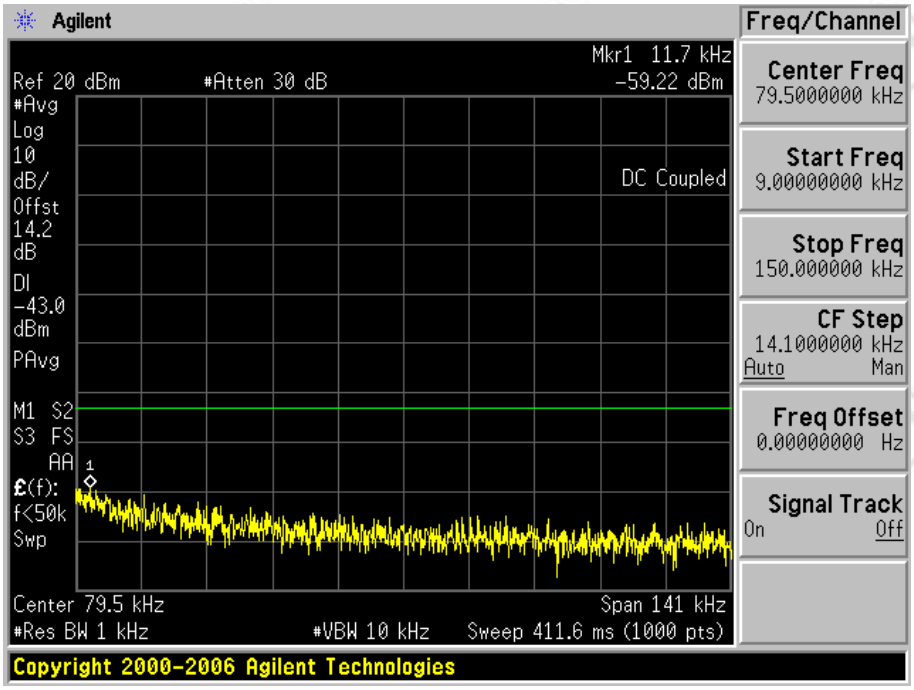

Agilent
Freq/Channel
Mkr1 598.0 MHz
Ref 35 dBm
#Atten 40 dB
-32.56 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

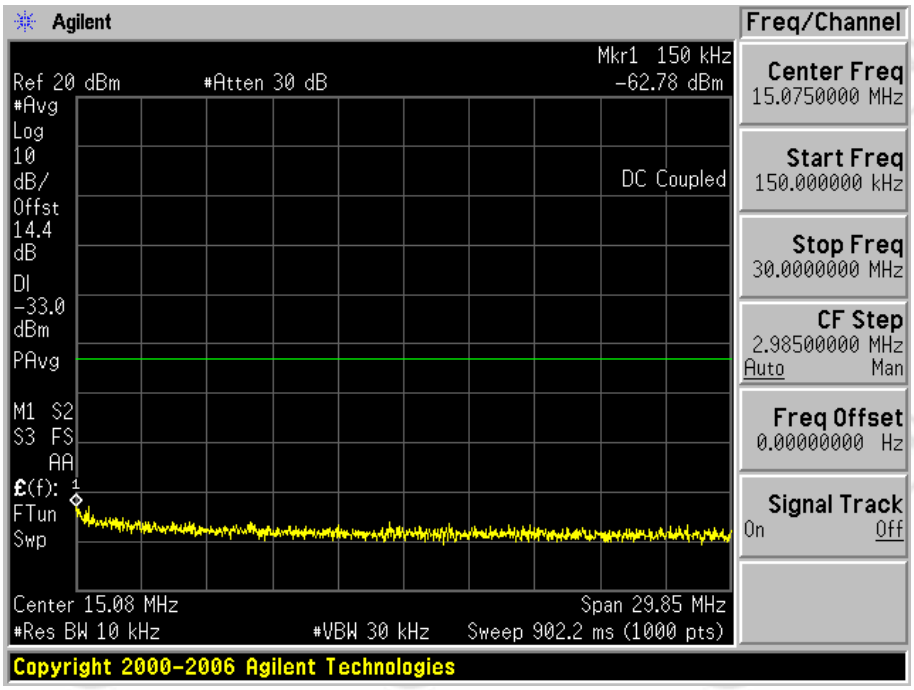

Agilent
Freq/Channel
Mkr2 4.196 GHz
Ref 35 dBm
#Atten 40 dB
-21.60 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

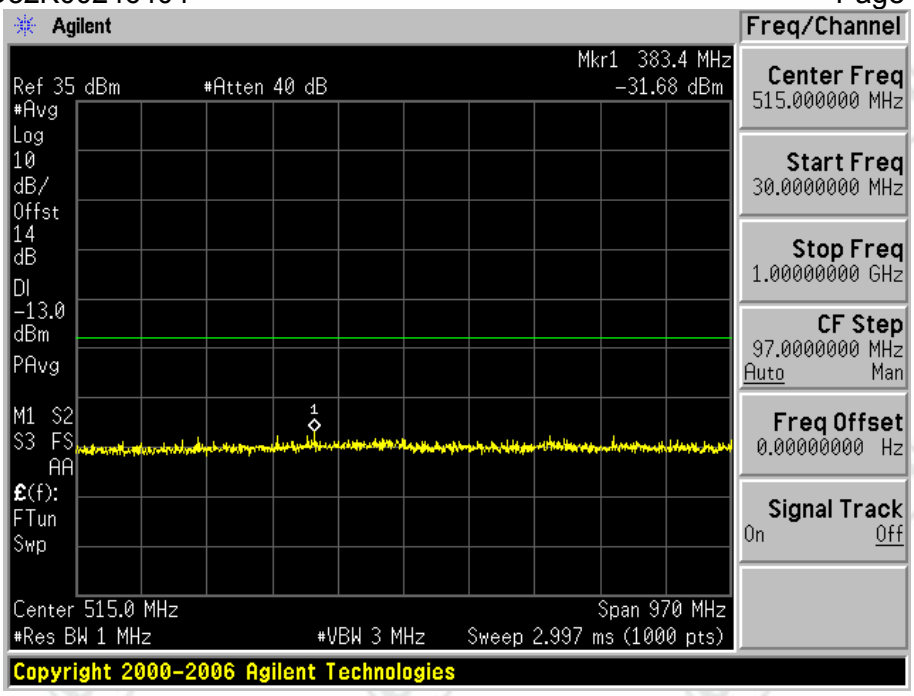

Agilent
Freq/Channel
Mkr1 7.000 GHz
Ref 35 dBm
#Atten 40 dB
-22.60 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.2500000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.5000000 GHz
CF Step
650.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.250 GHz
Span 6.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

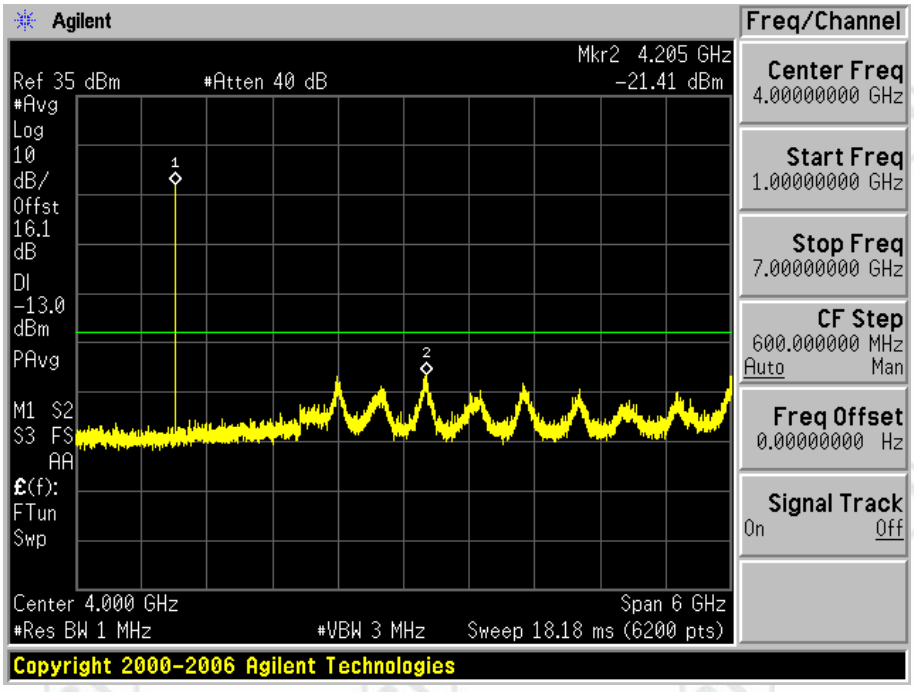

Agilent
Freq/Channel
Mkr1 16.079 GHz
Ref 35 dBm
#Atten 40 dB
-22.26 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.7500000 GHz
Start Freq
13.5000000 GHz
Stop Freq
20.0000000 GHz
CF Step
650.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.750 GHz
Span 6.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 20.05 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

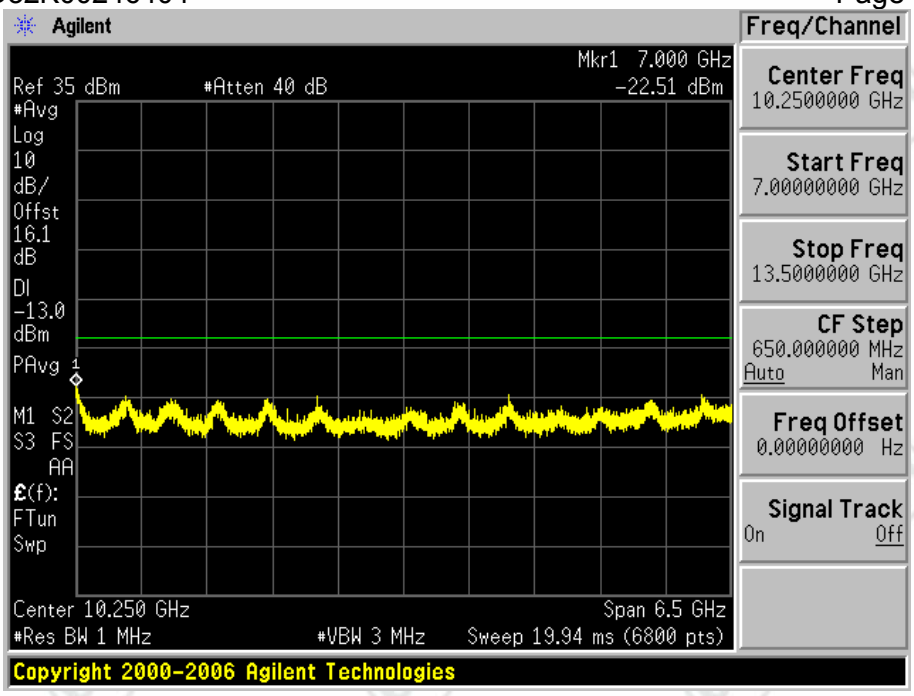
Test Channel=HCH

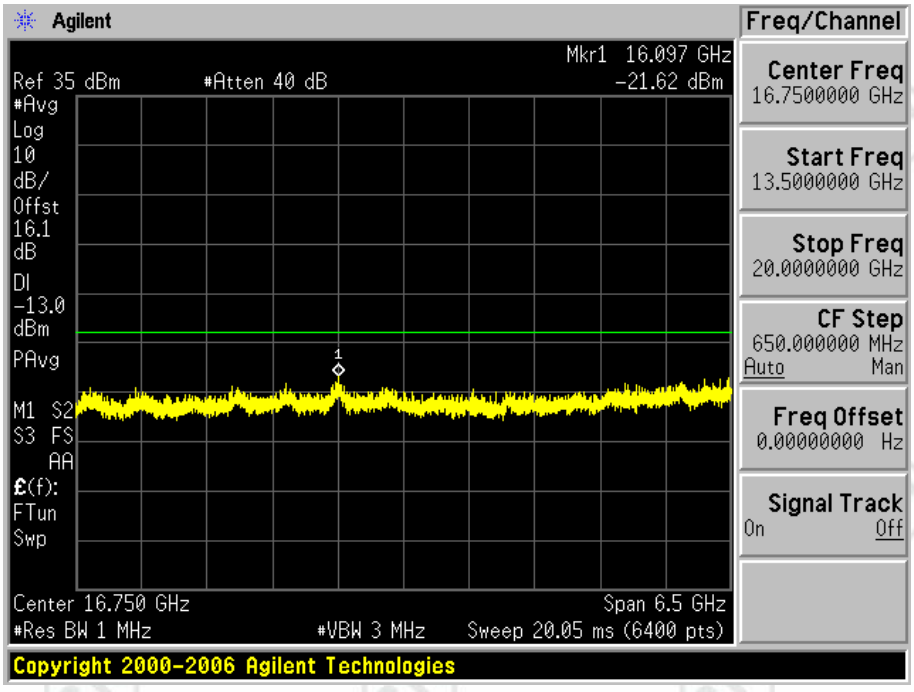





Agilent
Freq/Channel
Mkr1 383.4 MHz
Ref 35 dBm
#Atten 40 dB
-31.68 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

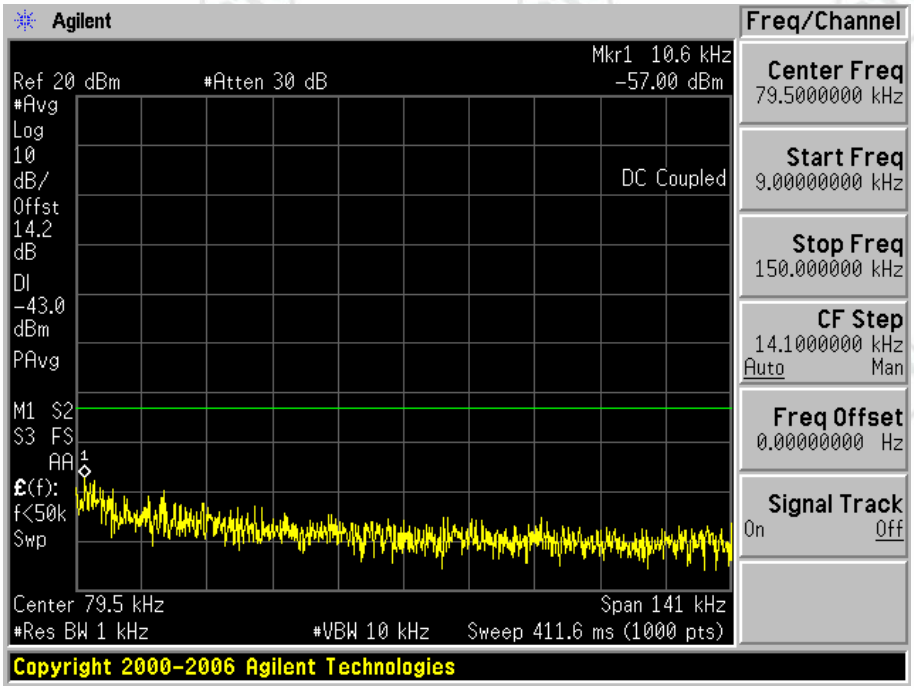

Agilent
Freq/Channel
Mkr2 4.205 GHz
Ref 35 dBm
#Atten 40 dB
-21.41 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

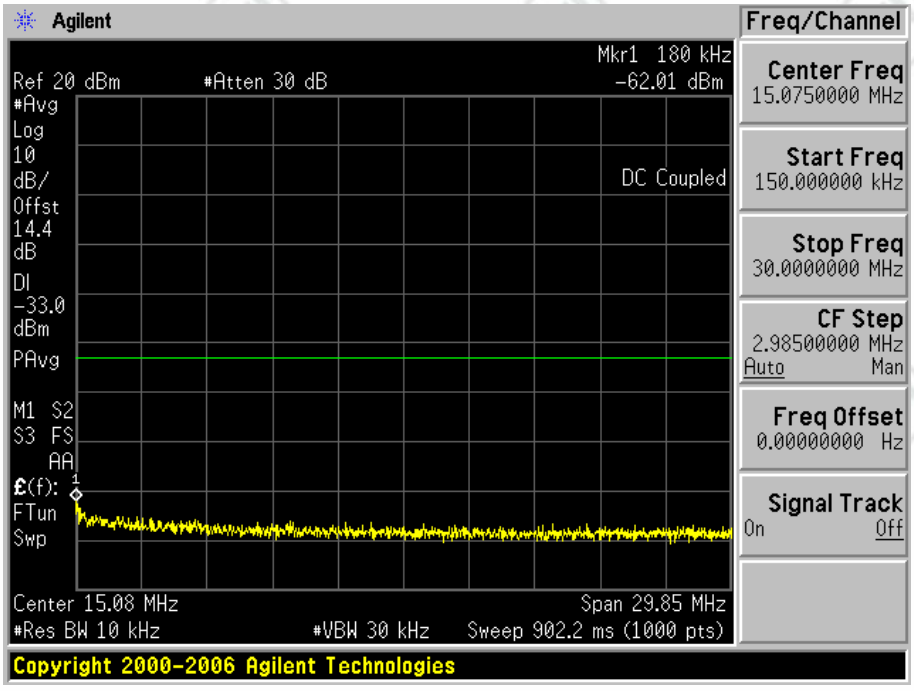

Agilent
Freq/Channel
Mkr1 7.000 GHz
Ref 35 dBm
#Atten 40 dB
-22.51 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.2500000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.5000000 GHz
CF Step
650.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.250 GHz
Span 6.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

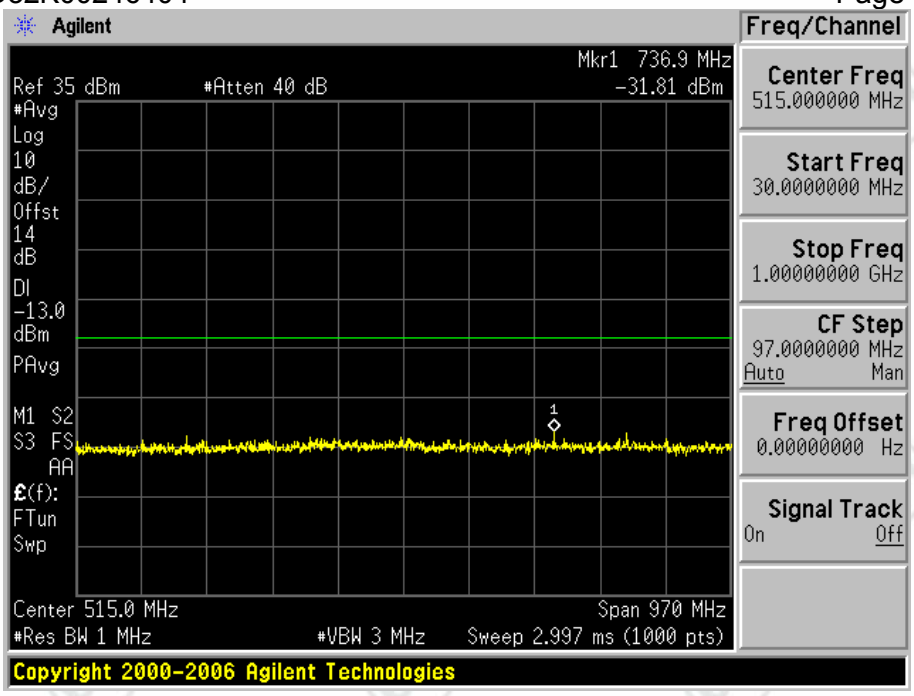

Agilent
Freq/Channel
Mkr1 16.097 GHz
Ref 35 dBm
#Atten 40 dB
-21.62 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.7500000 GHz
Start Freq
13.5000000 GHz
Stop Freq
20.0000000 GHz
CF Step
650.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.750 GHz
Span 6.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 20.05 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

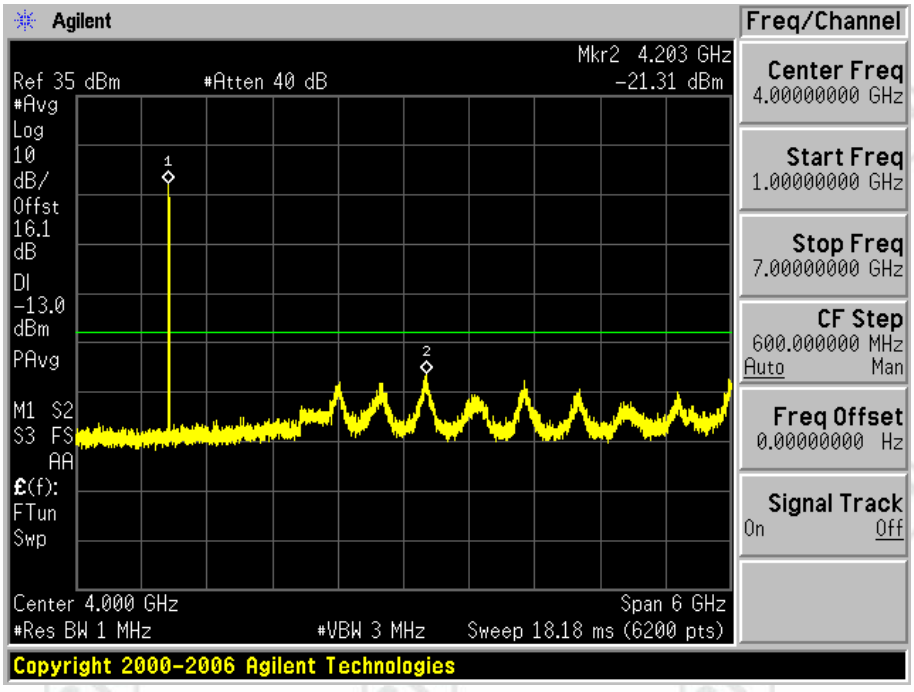
Test Mode=GSM/TM2

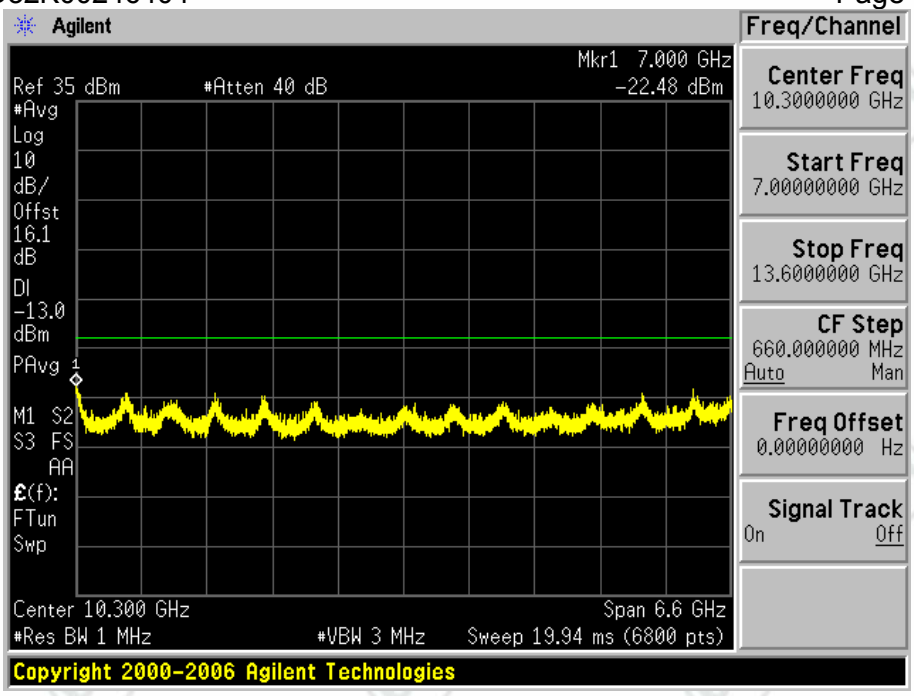
Test Channel=LCH

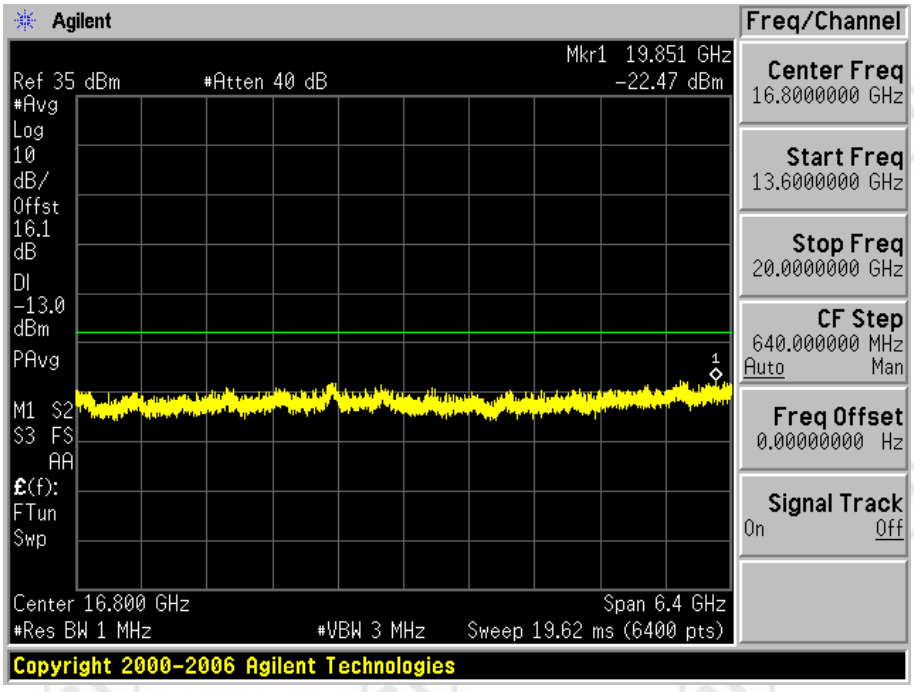




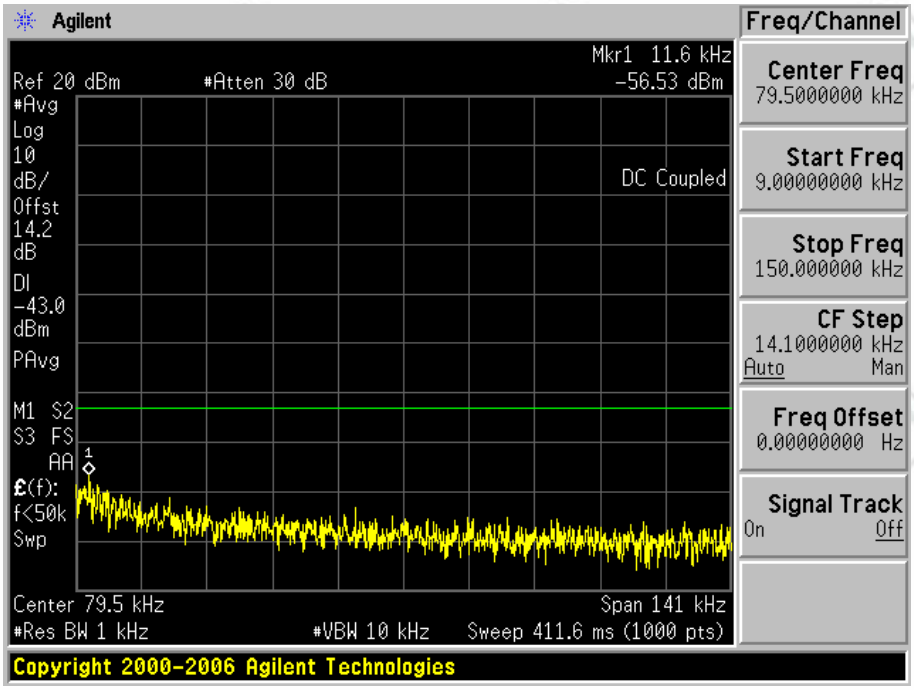

Agilent
Freq/Channel
Mkr1 736.9 MHz
Ref 35 dBm
#Atten 40 dB
-31.81 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

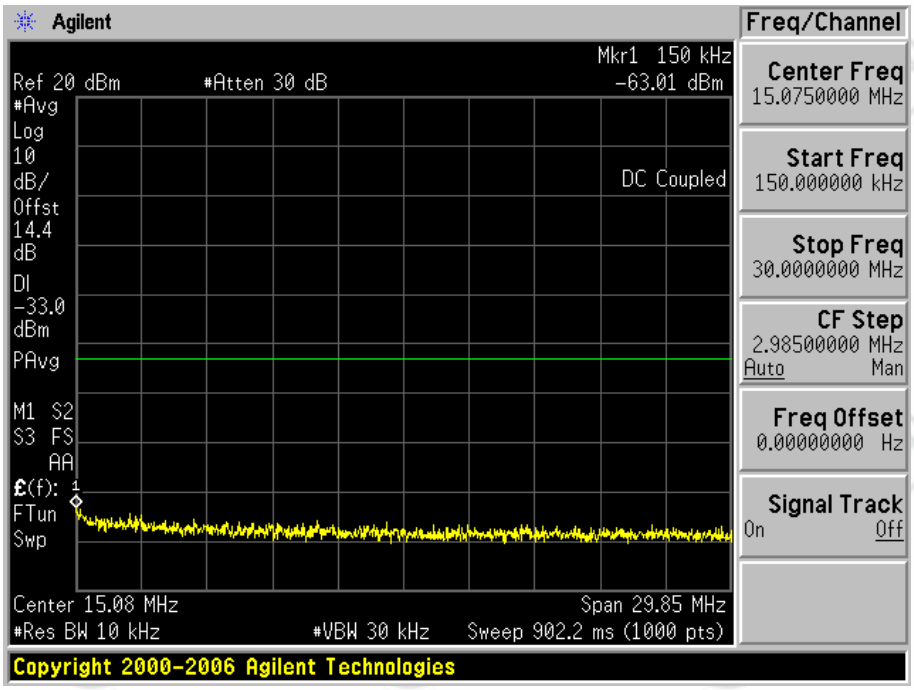

Agilent
Freq/Channel
Mkr2 4.203 GHz
Ref 35 dBm
#Atten 40 dB
-21.31 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

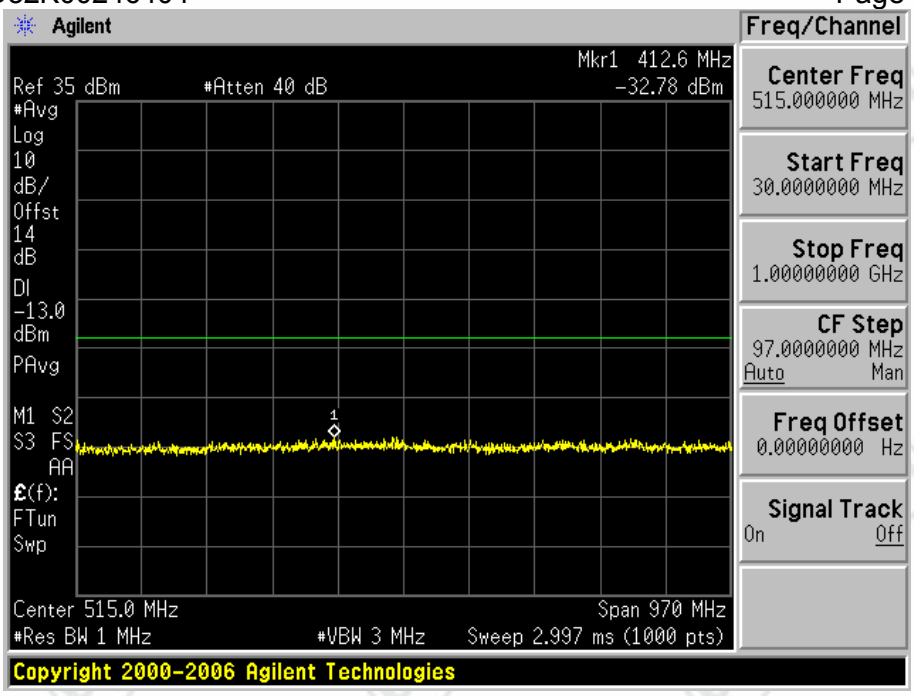

Agilent
Freq/Channel
Mkr1 7.000 GHz
Ref 35 dBm
#Atten 40 dB
-22.48 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

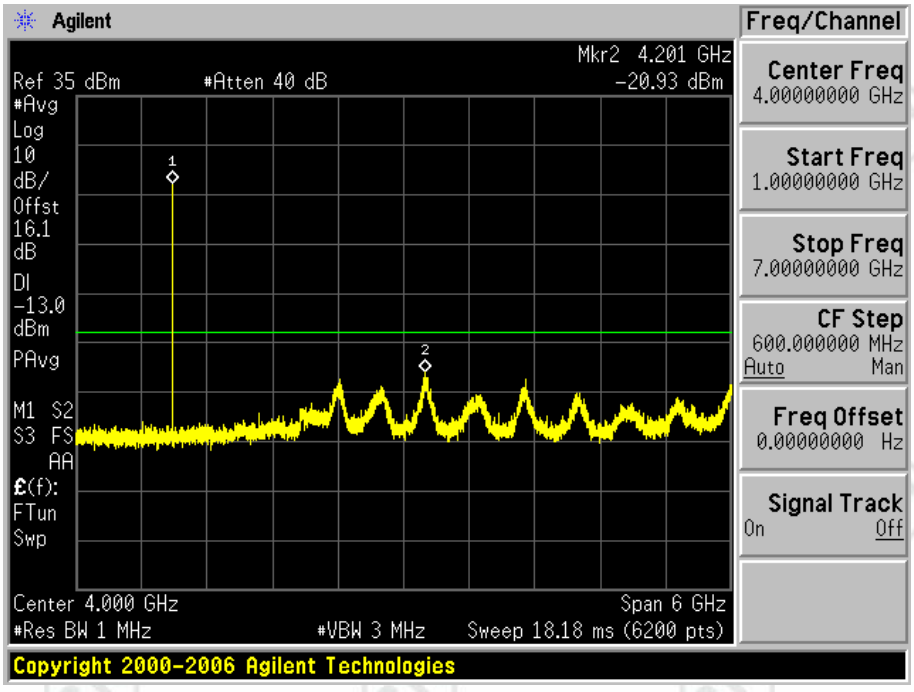

Agilent
Freq/Channel
Mkr1 19.851 GHz
Ref 35 dBm
#Atten 40 dB
-22.47 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

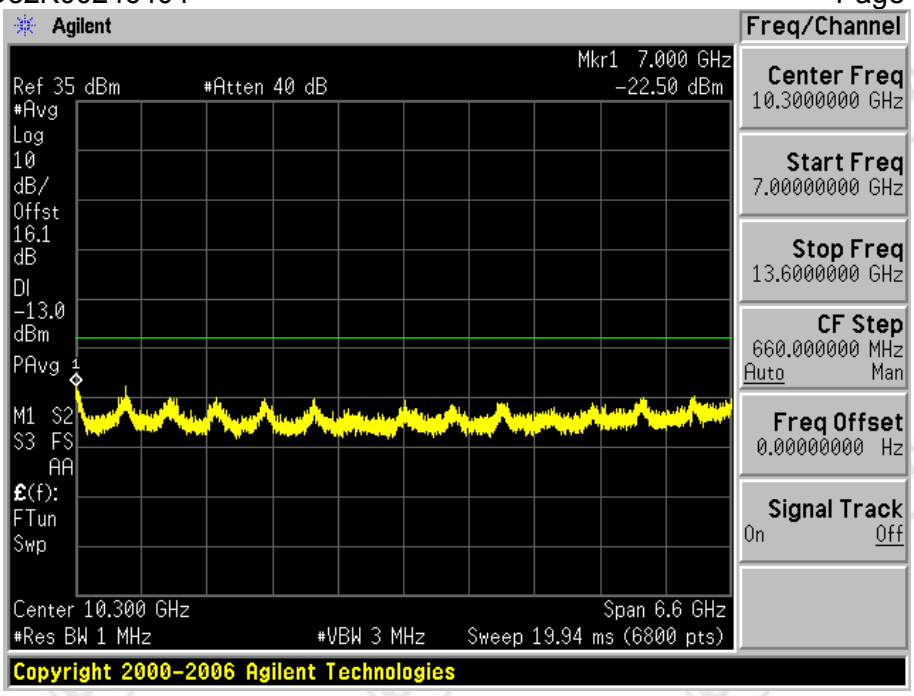
Test Channel=MCH

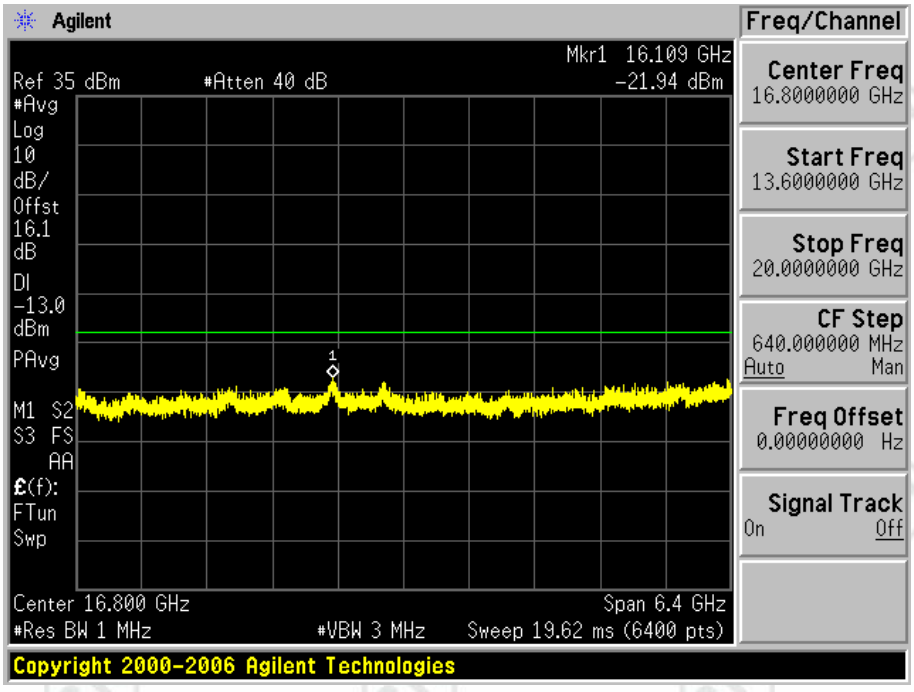




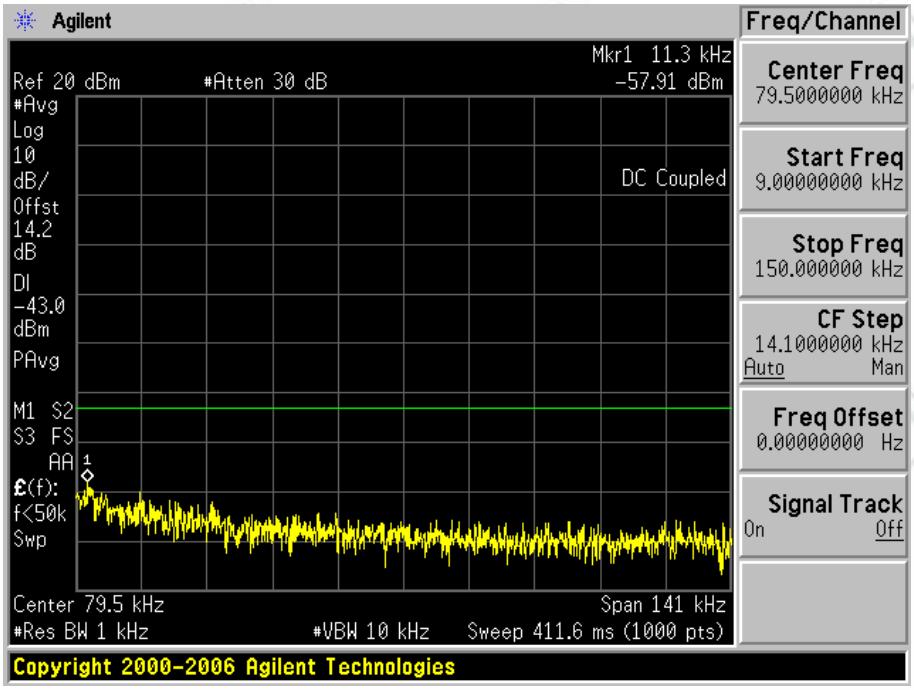

Agilent
Freq/Channel
Mkr1 412.6 MHz
Ref 35 dBm
#Atten 40 dB
-32.78 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

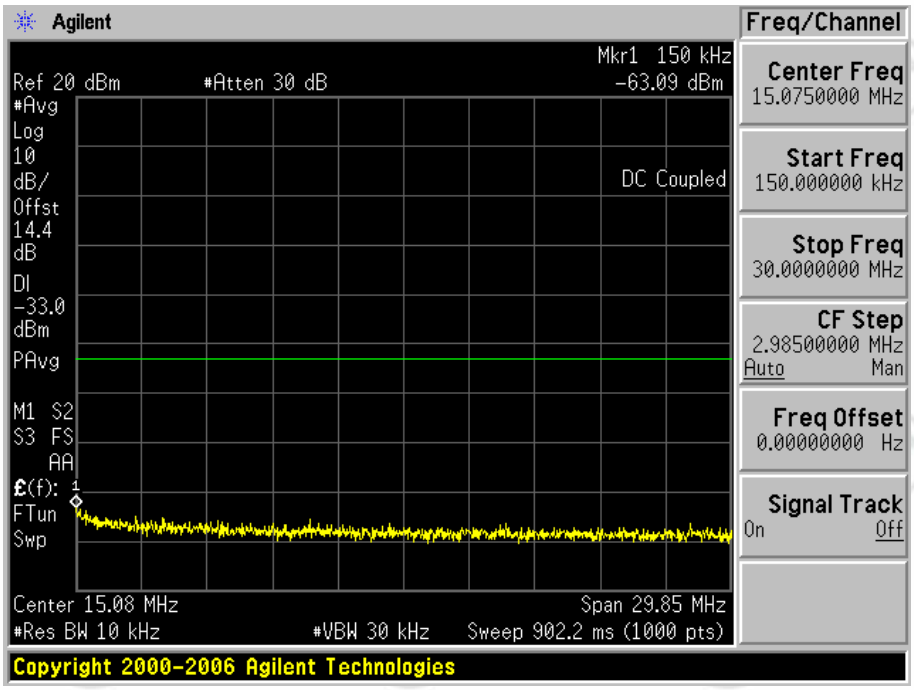

Agilent
Freq/Channel
Mkr2 4.201 GHz
Ref 35 dBm
#Atten 40 dB
-20.93 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

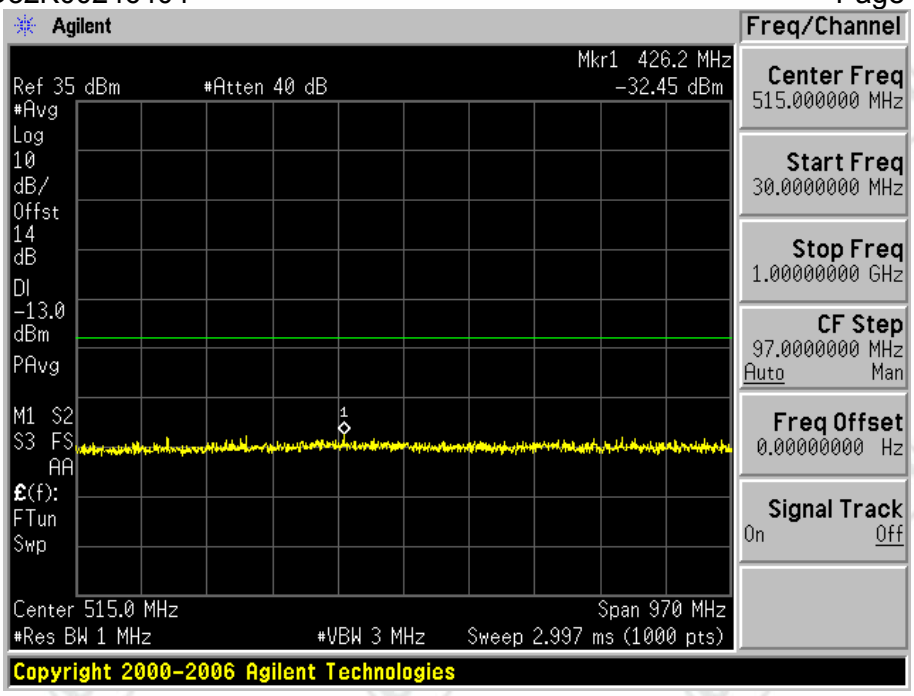

Agilent
Freq/Channel
Mkr1 7.000 GHz
Ref 35 dBm
#Atten 40 dB
-22.50 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

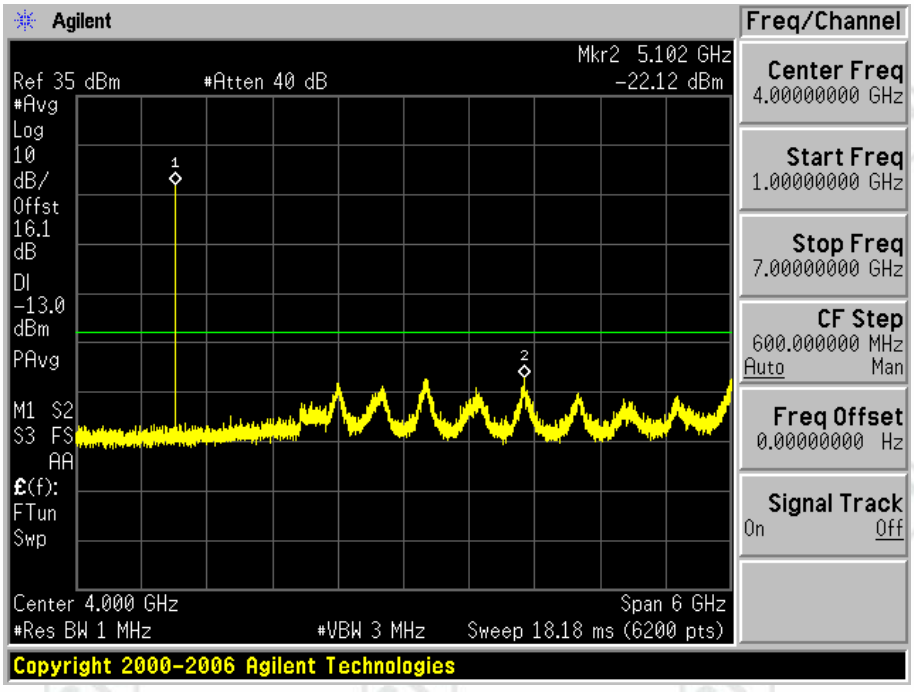

Agilent
Freq/Channel
Mkr1 16.109 GHz
Ref 35 dBm
#Atten 40 dB
-21.94 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

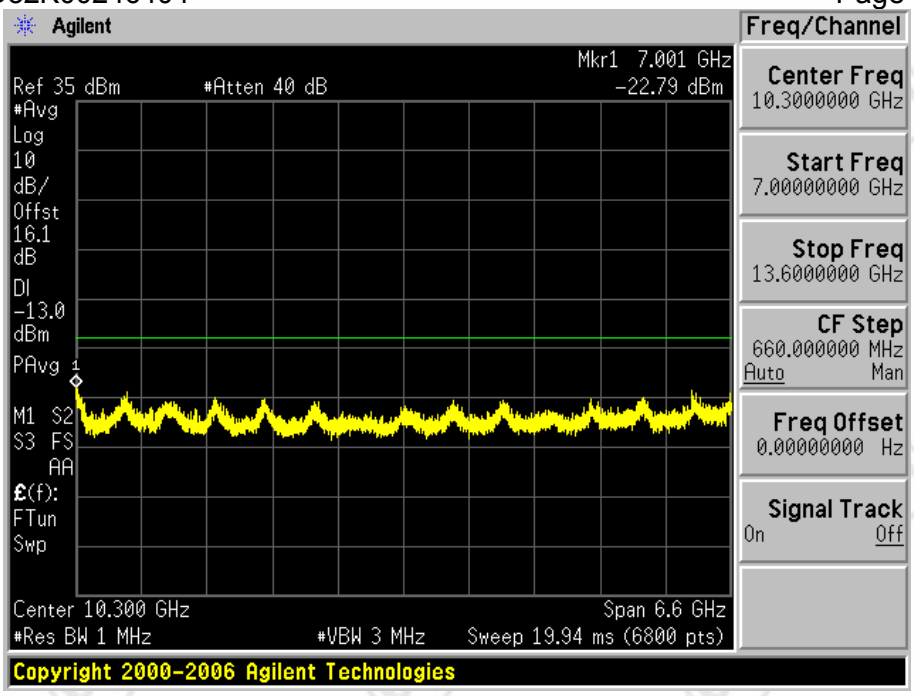
Test Channel=HCH

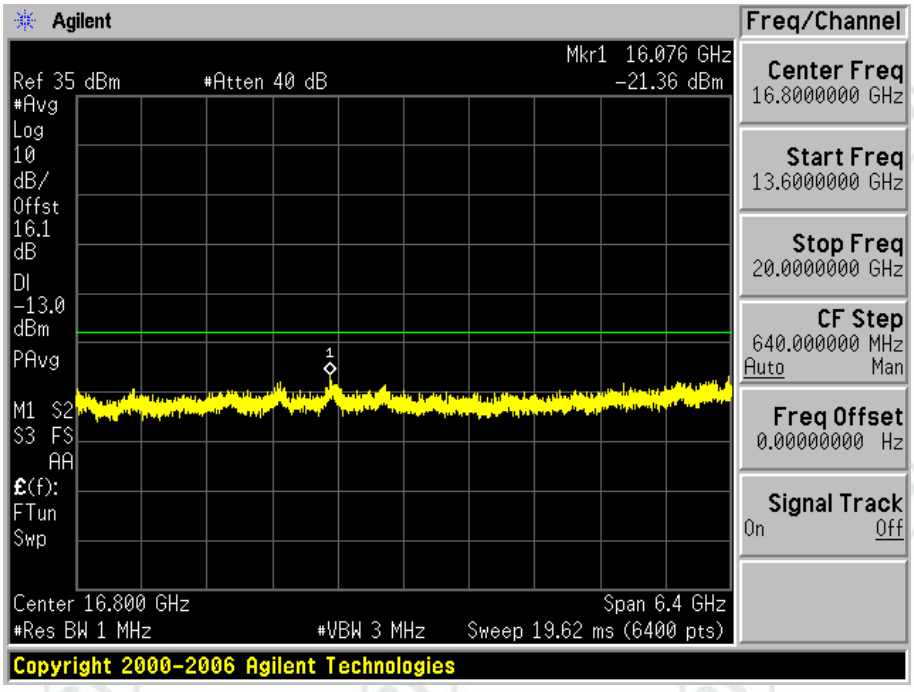





Agilent
Freq/Channel
Mkr1 426.2 MHz
Ref 35 dBm
#Atten 40 dB
-32.45 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

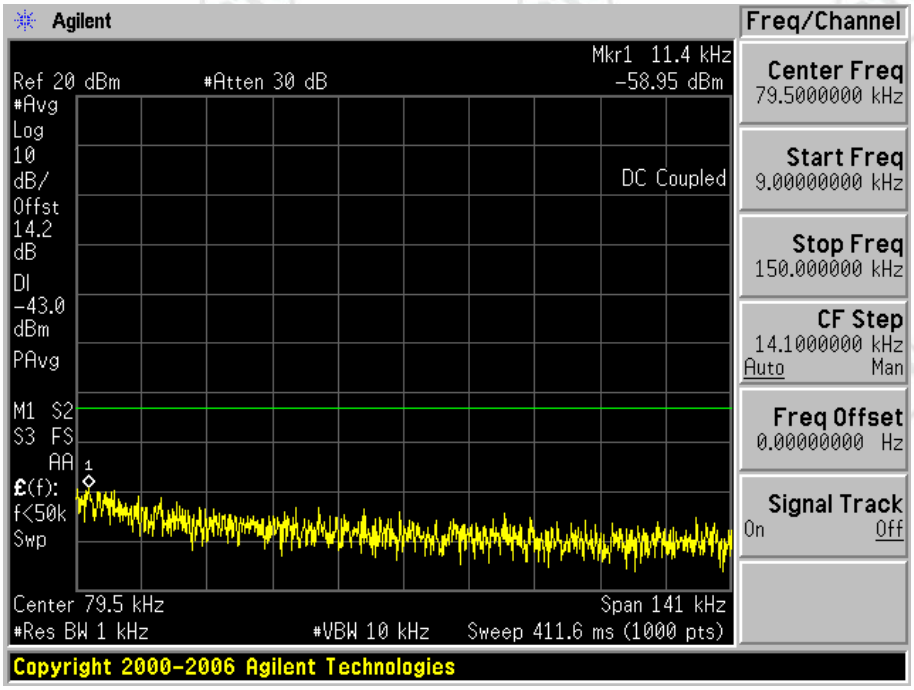

Agilent
Freq/Channel
Mkr2 5.102 GHz
Ref 35 dBm
#Atten 40 dB
-22.12 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

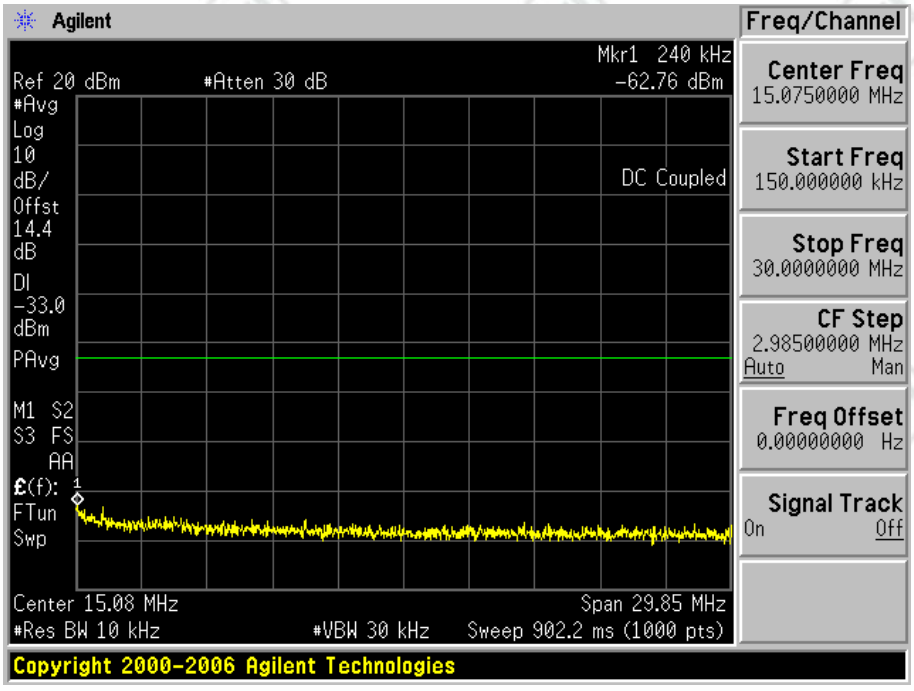

Agilent
Freq/Channel
Mkr1 7.001 GHz
Ref 35 dBm
#Atten 40 dB
-22.79 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

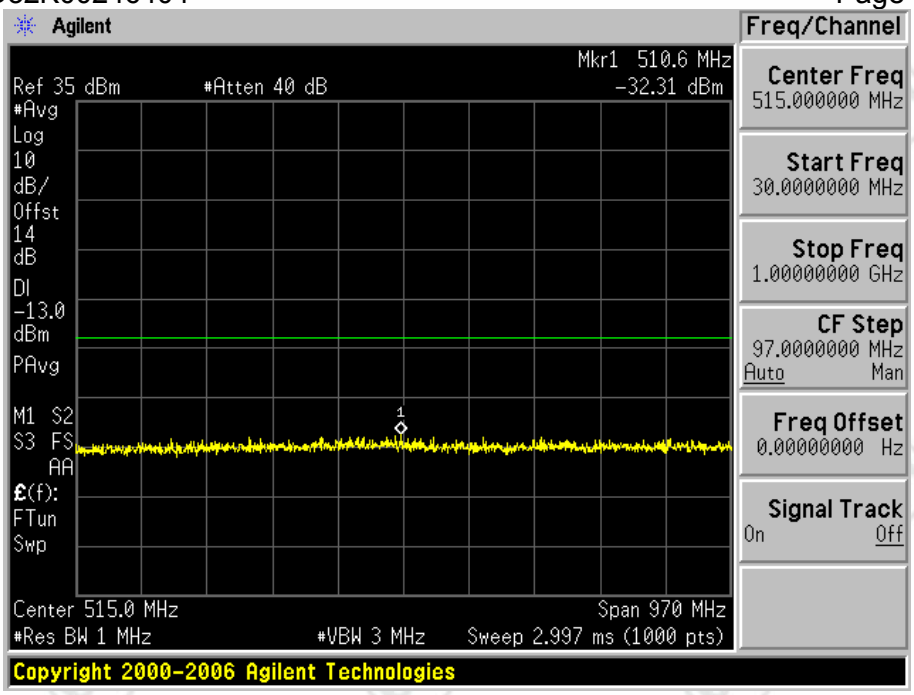

Agilent
Freq/Channel
Mkr1 16.076 GHz
Ref 35 dBm
#Atten 40 dB
-21.36 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

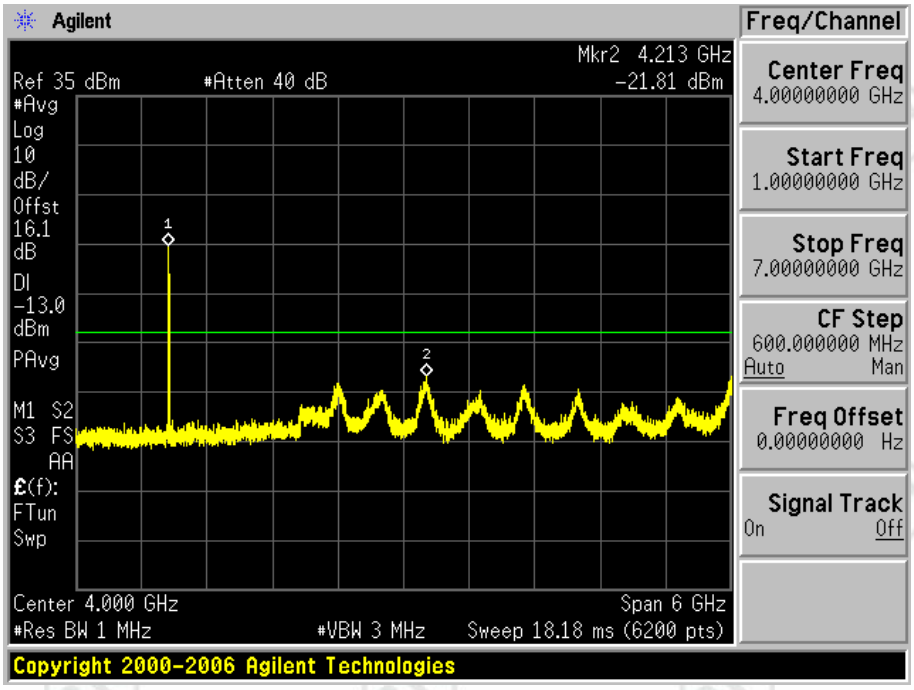
Test Mode=GSM/TM3

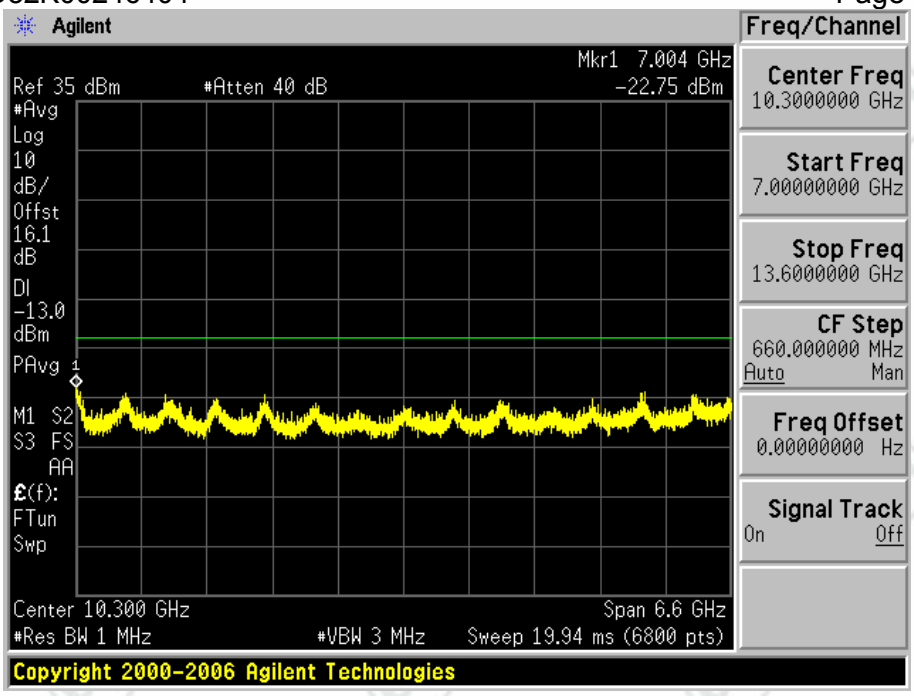
Test Channel=LCH

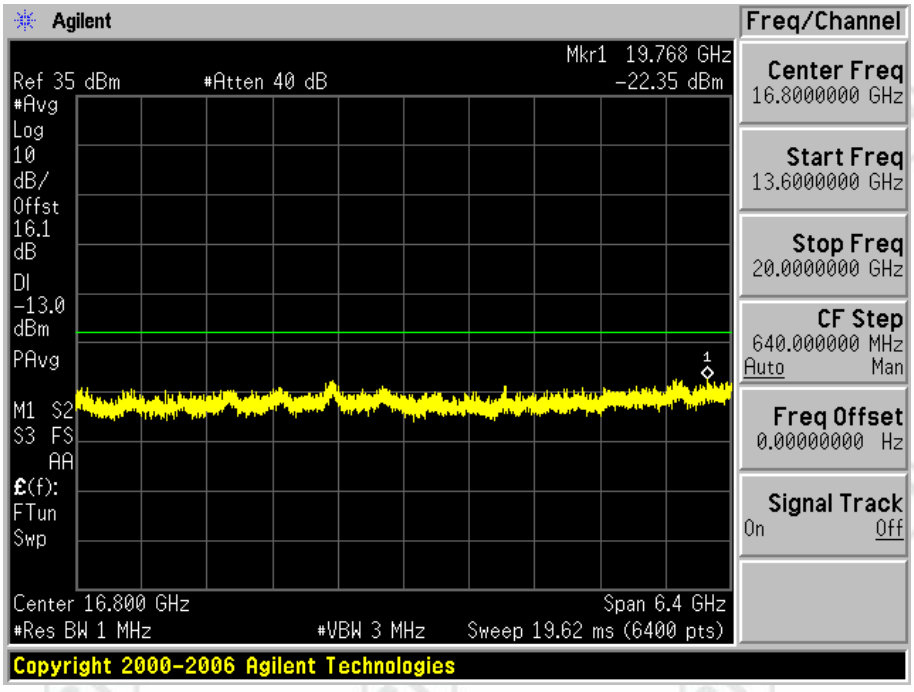




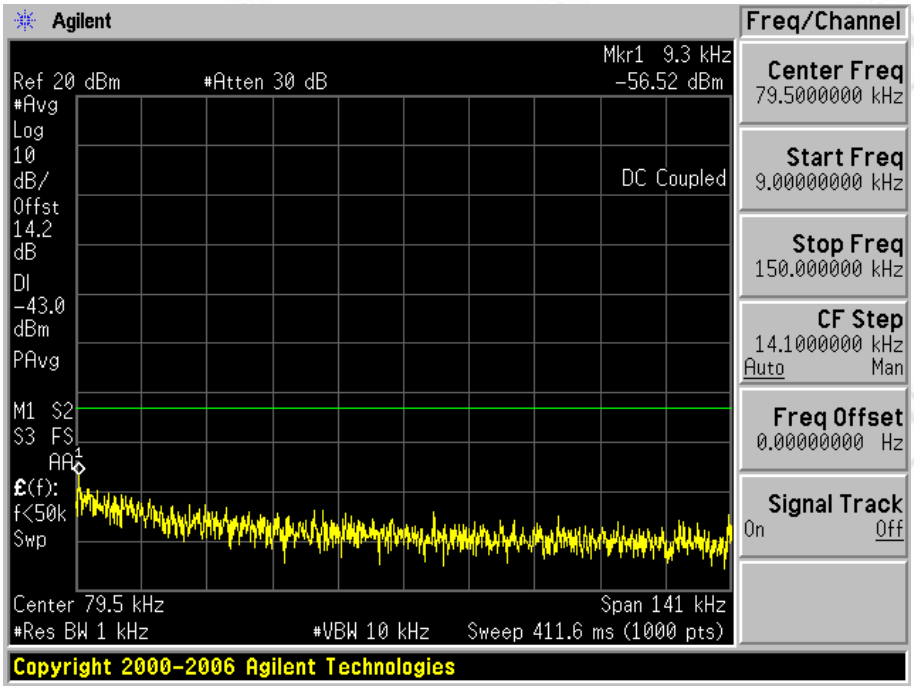

Agilent
Freq/Channel
Mkr1 510.6 MHz
Ref 35 dBm
#Atten 40 dB
-32.31 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

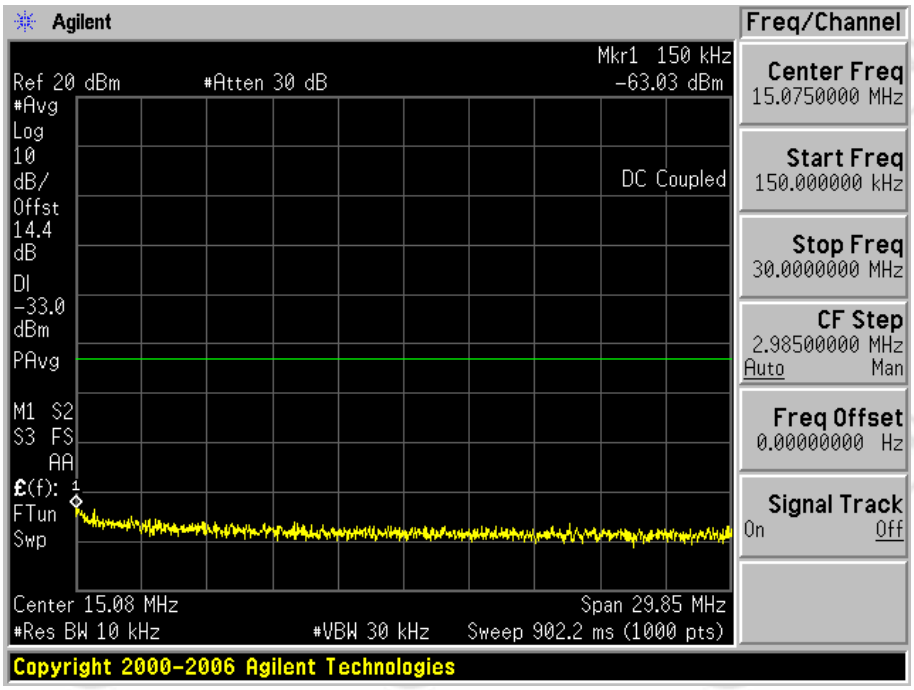

Agilent
Freq/Channel
Mkr2 4.213 GHz
Ref 35 dBm
#Atten 40 dB
-21.81 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

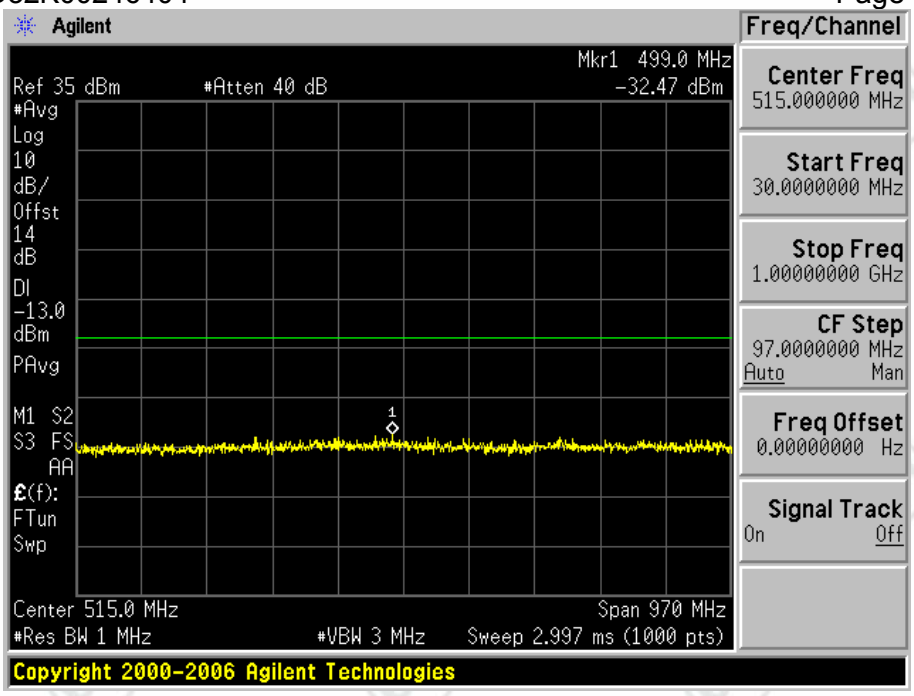

Agilent
Freq/Channel
Mkr1 7.004 GHz
Ref 35 dBm
#Atten 40 dB
-22.75 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

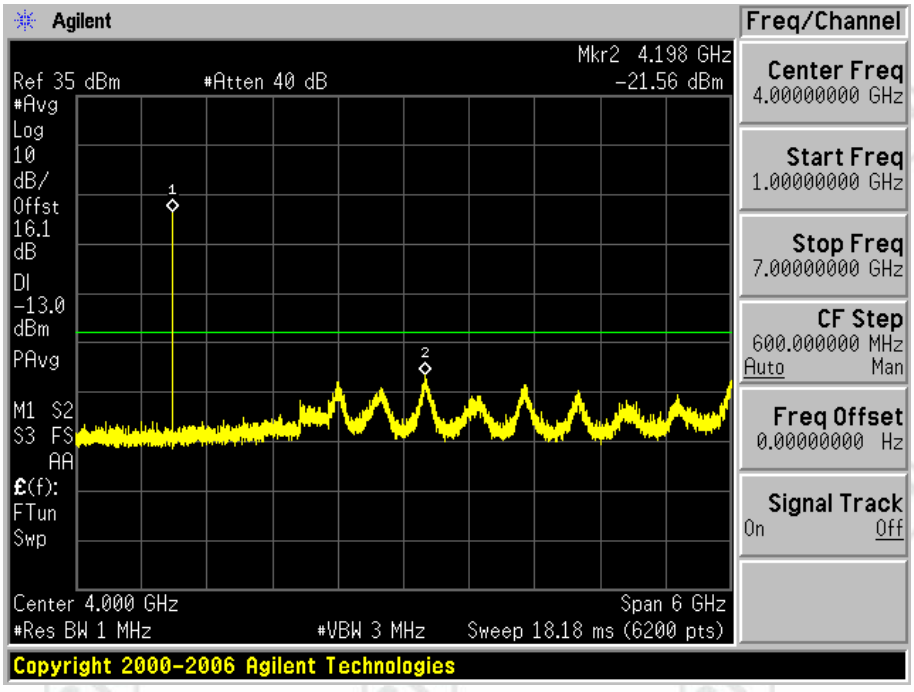

Agilent
Freq/Channel
Mkr1 19.768 GHz
Ref 35 dBm
#Atten 40 dB
-22.35 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

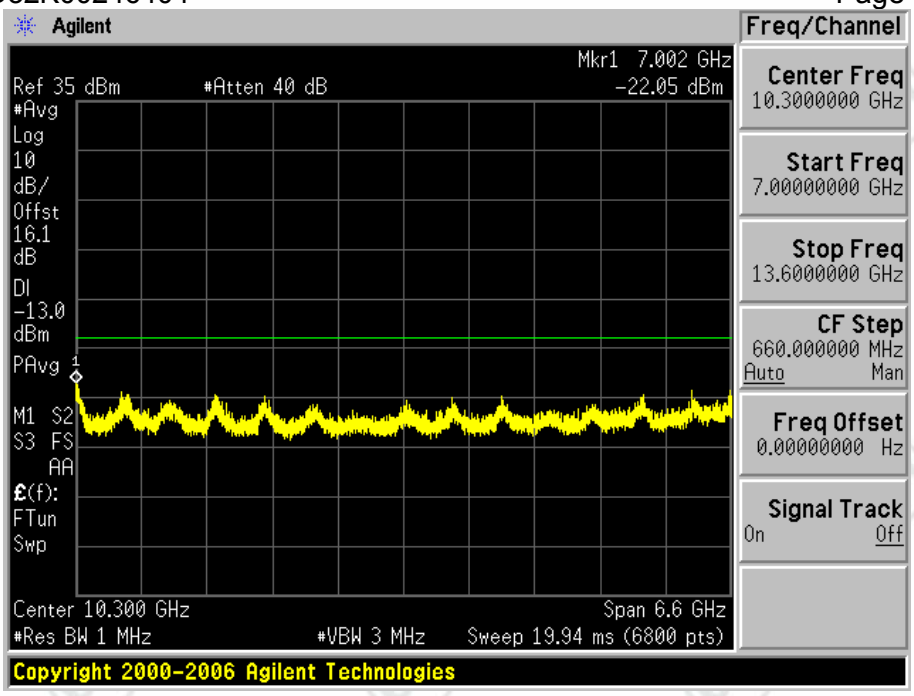
Test Channel=MCH

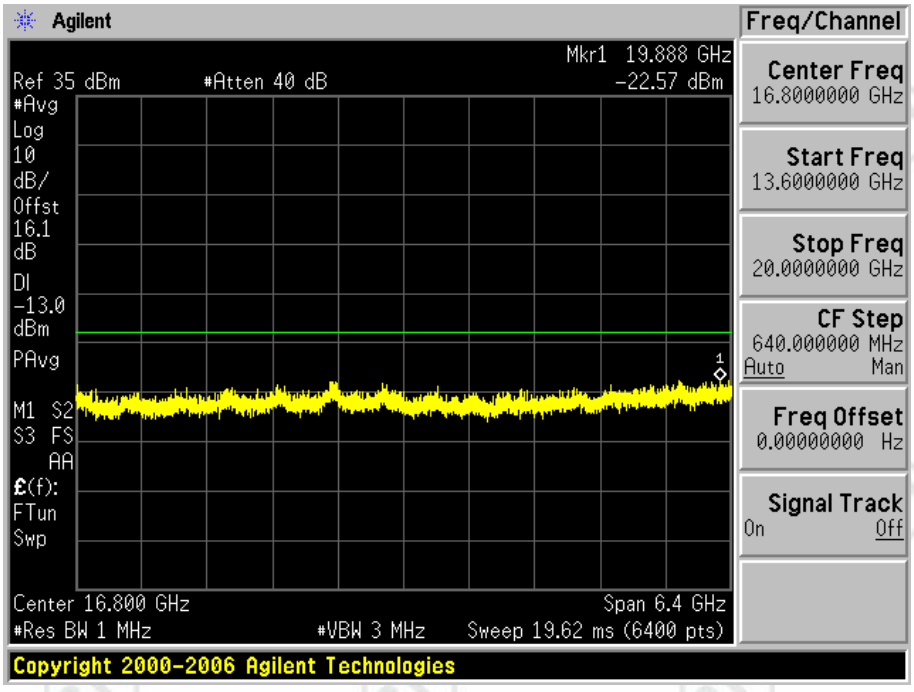




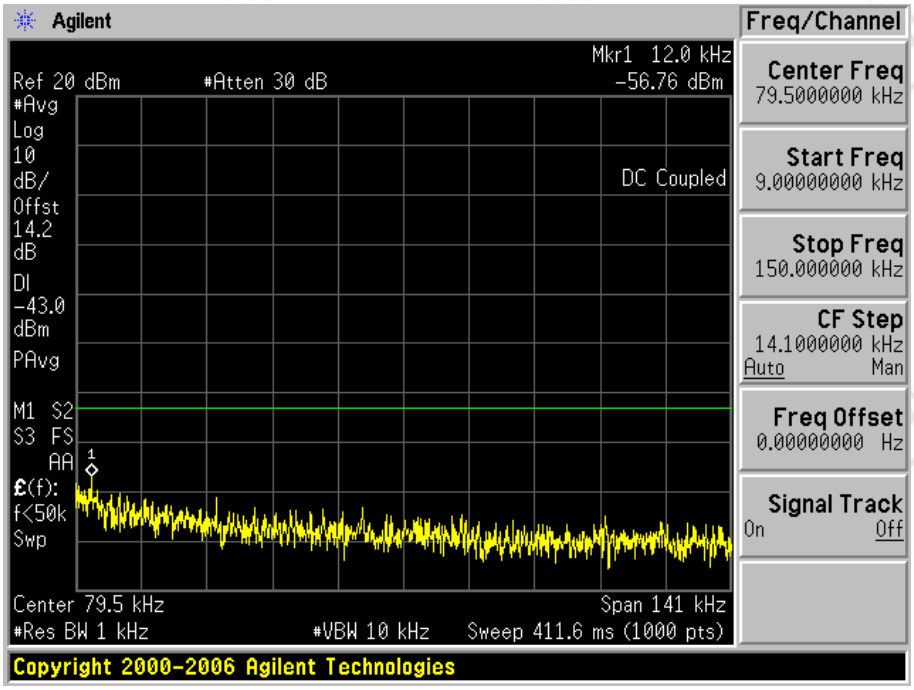

Agilent
Freq/Channel
Mkr1 499.0 MHz
Ref 35 dBm
#Atten 40 dB
-32.47 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

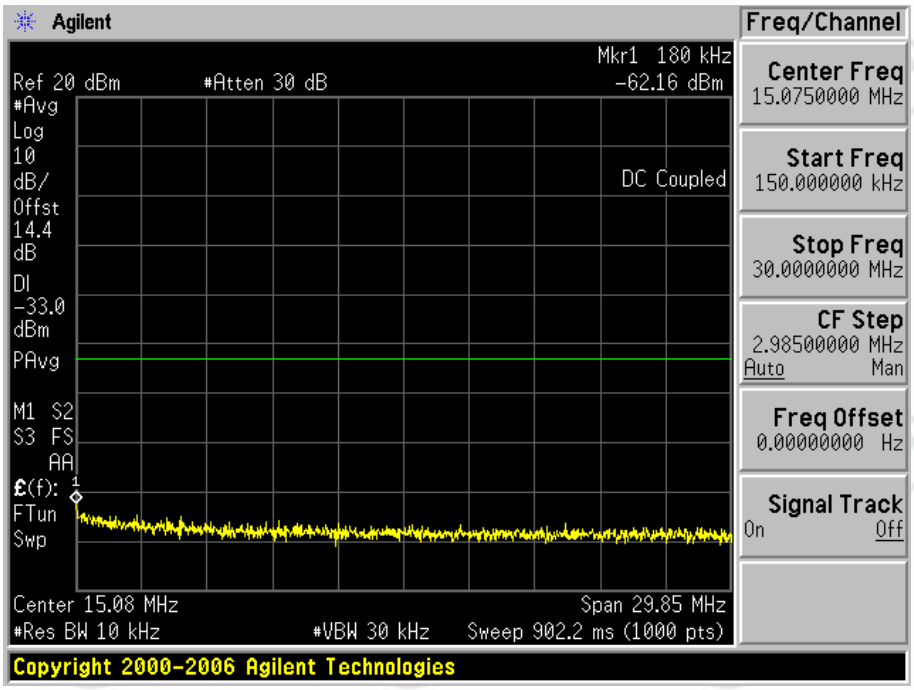

Agilent
Freq/Channel
Mkr2 4.198 GHz
Ref 35 dBm
#Atten 40 dB
-21.56 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

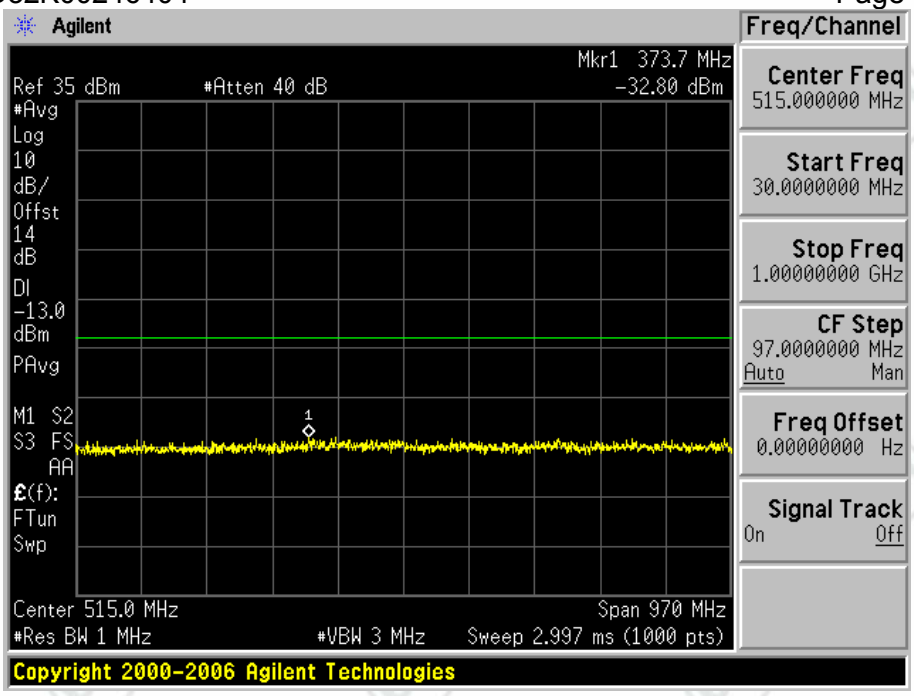

Agilent
Freq/Channel
Mkr1 7.002 GHz
Ref 35 dBm
#Atten 40 dB
-22.05 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

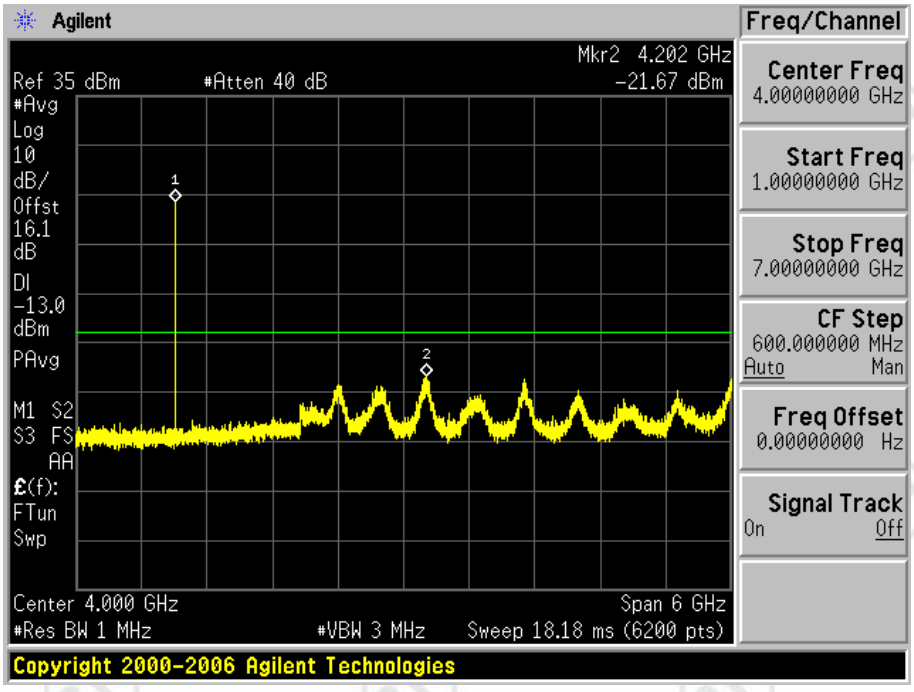

Agilent
Freq/Channel
Mkr1 19.888 GHz
Ref 35 dBm
#Atten 40 dB
-22.57 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH






Agilent
Freq/Channel
Mkr1 373.7 MHz
Ref 35 dBm
#Atten 40 dB
-32.80 dBm
#Avg
Log
10
dB/
Offst
14
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr2 4.202 GHz
Ref 35 dBm
#Atten 40 dB
-21.67 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
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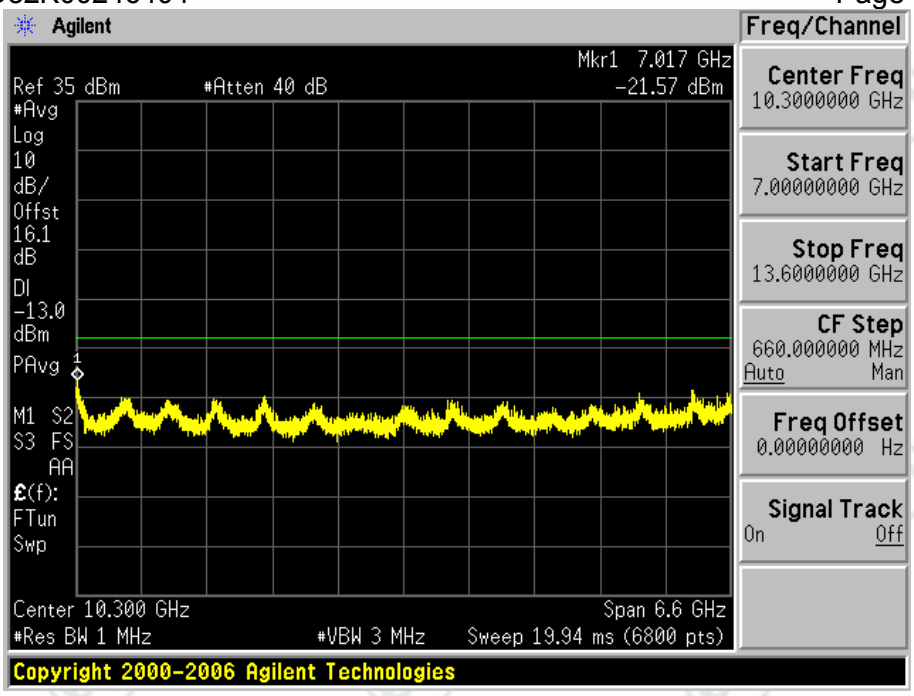
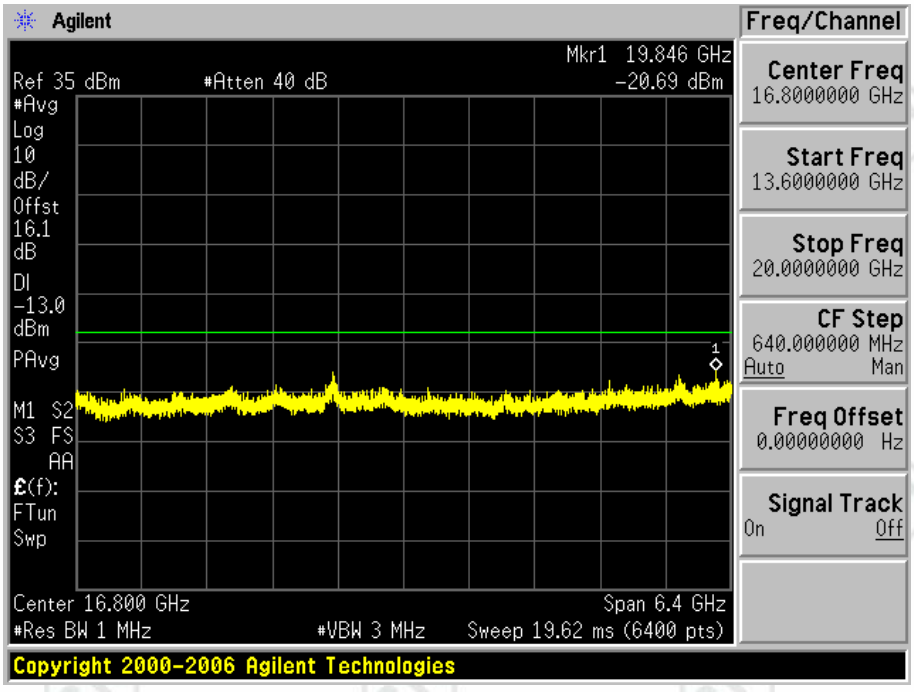

Agilent
Freq/Channel
Mkr1 7.017 GHz
Ref 35 dBm
#Atten 40 dB
-21.57 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

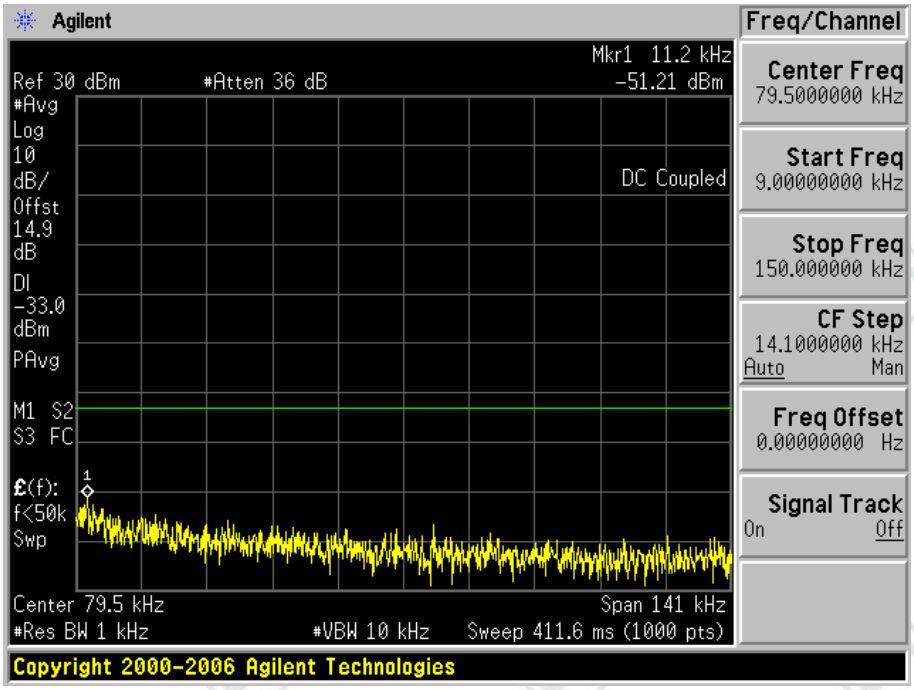

Agilent
Freq/Channel
Mkr1 19.846 GHz
Ref 35 dBm
#Atten 40 dB
-20.69 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

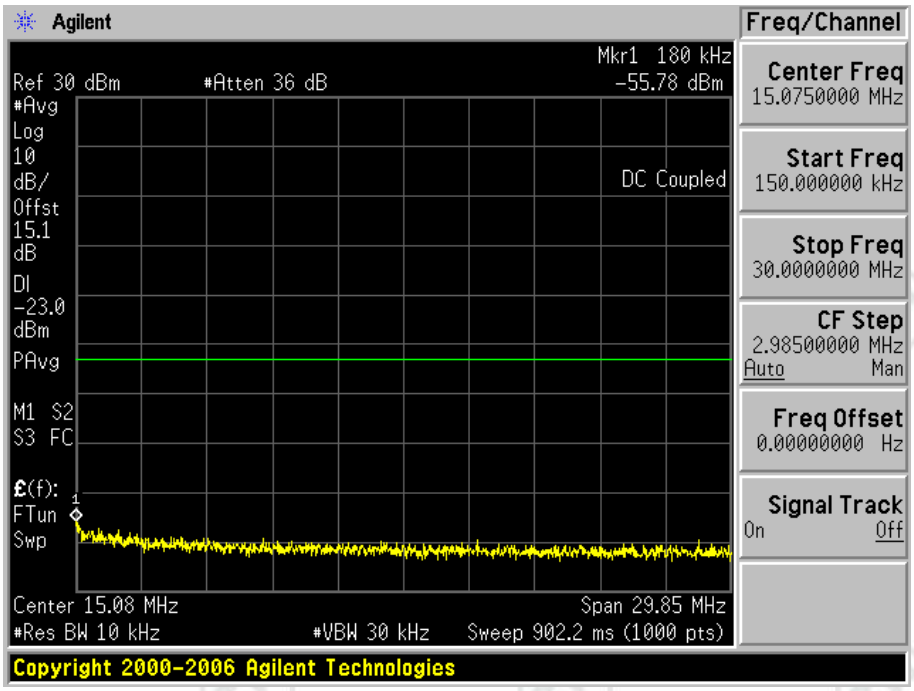
For WCDMA

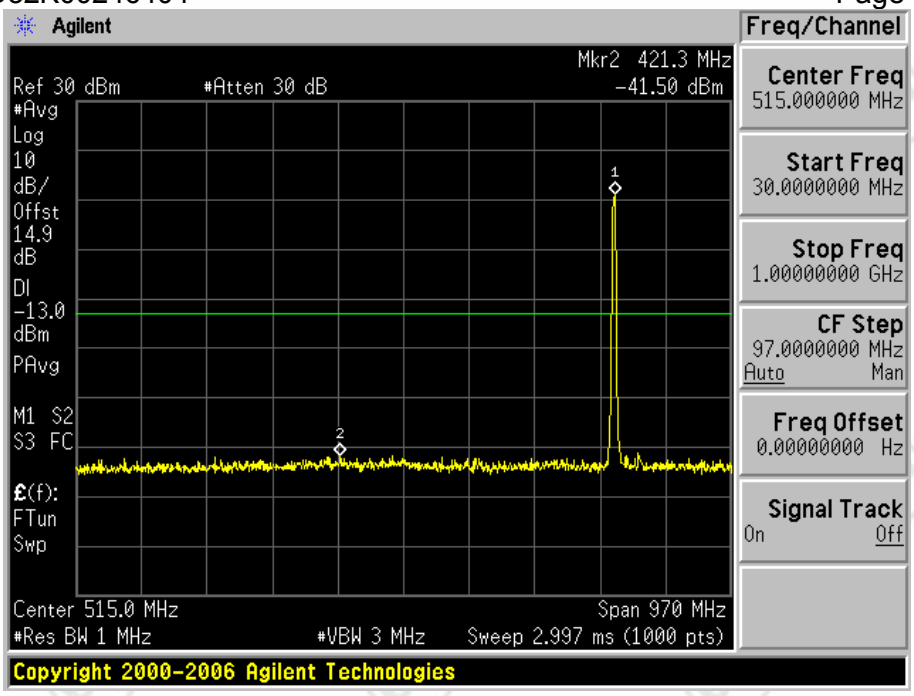
Test Band=WCDMA850

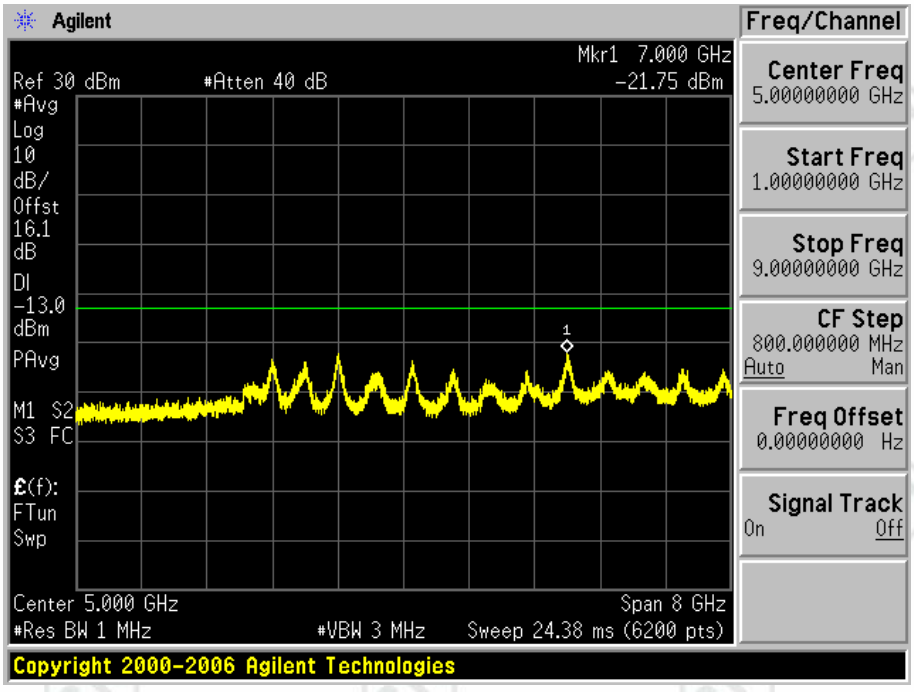
Test Mode=UMTS/TM1

Test Channel=LCH

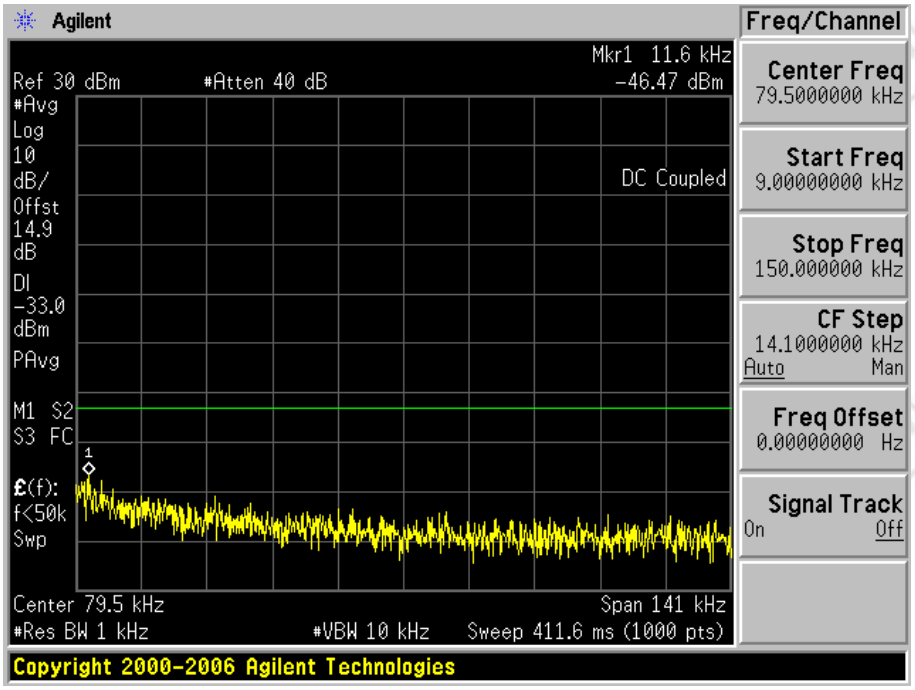


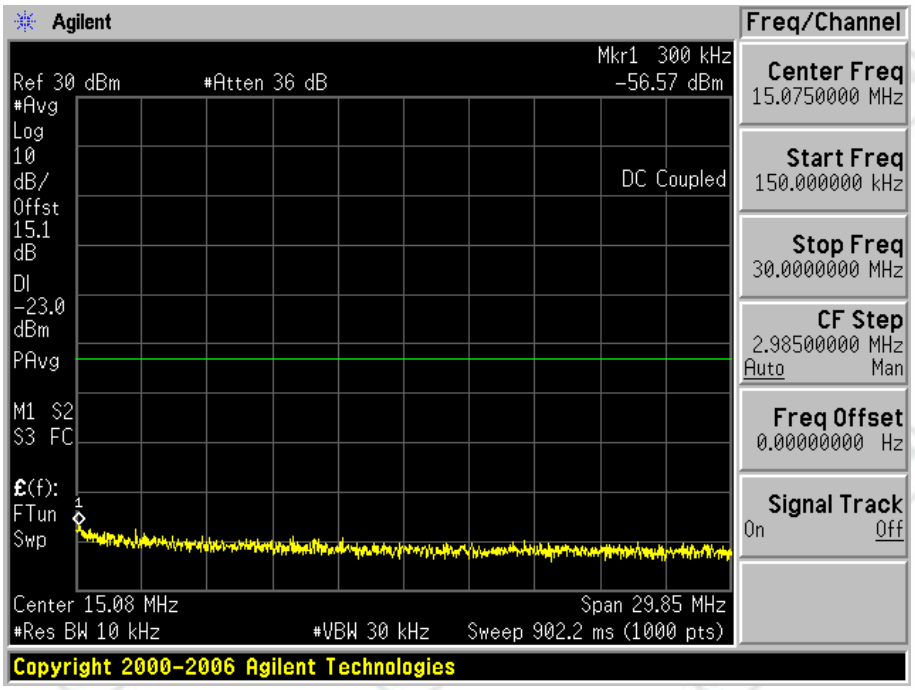


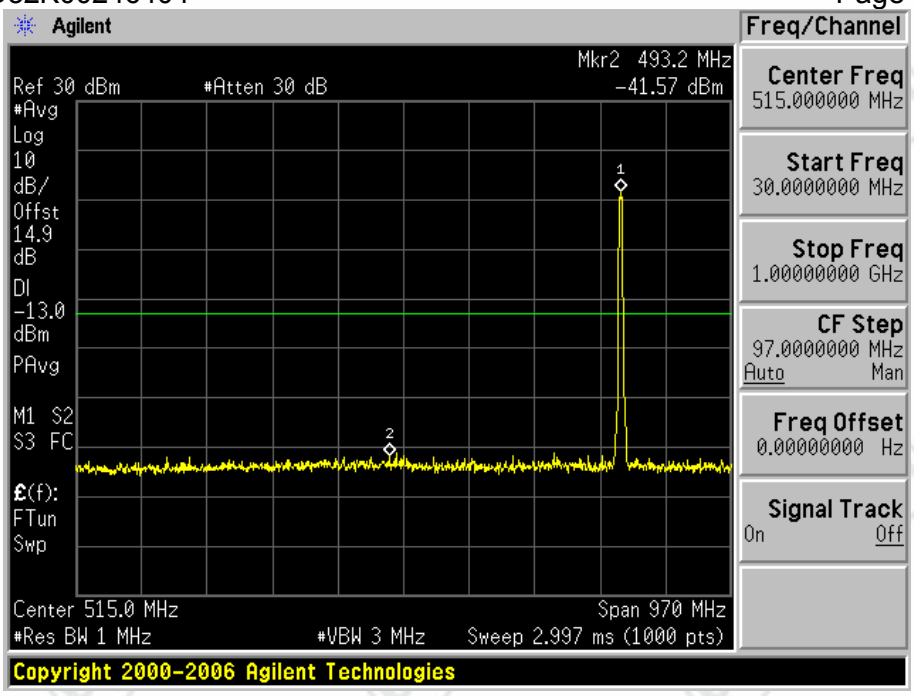

Agilent
Freq/Channel
Mkr2 421.3 MHz
Ref 30 dBm
#Atten 30 dB
-41.50 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

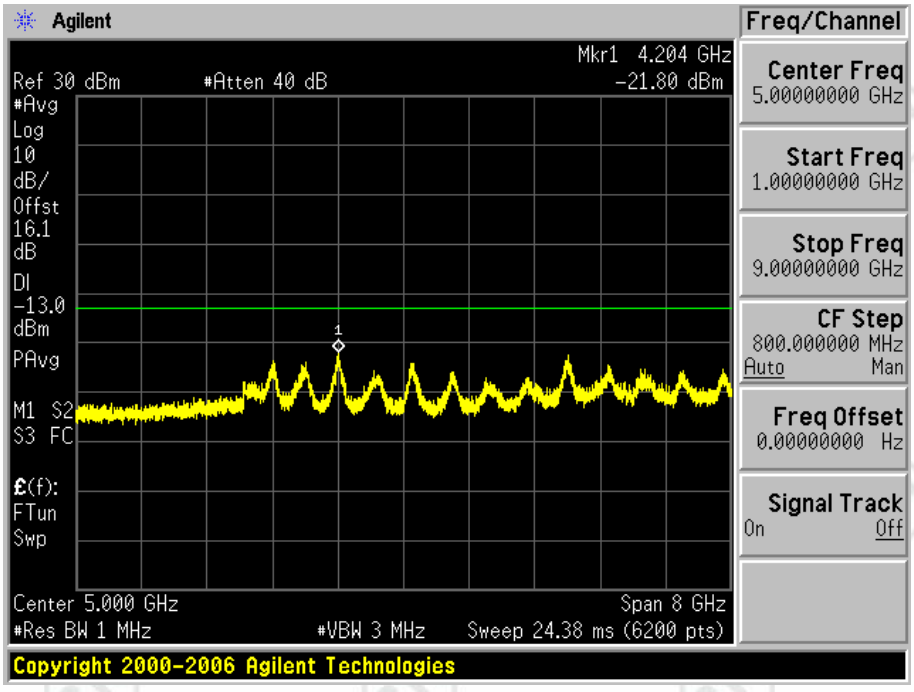

Agilent
Freq/Channel
Mkr1 7.000 GHz
Ref 30 dBm
#Atten 40 dB
-21.75 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=MCH

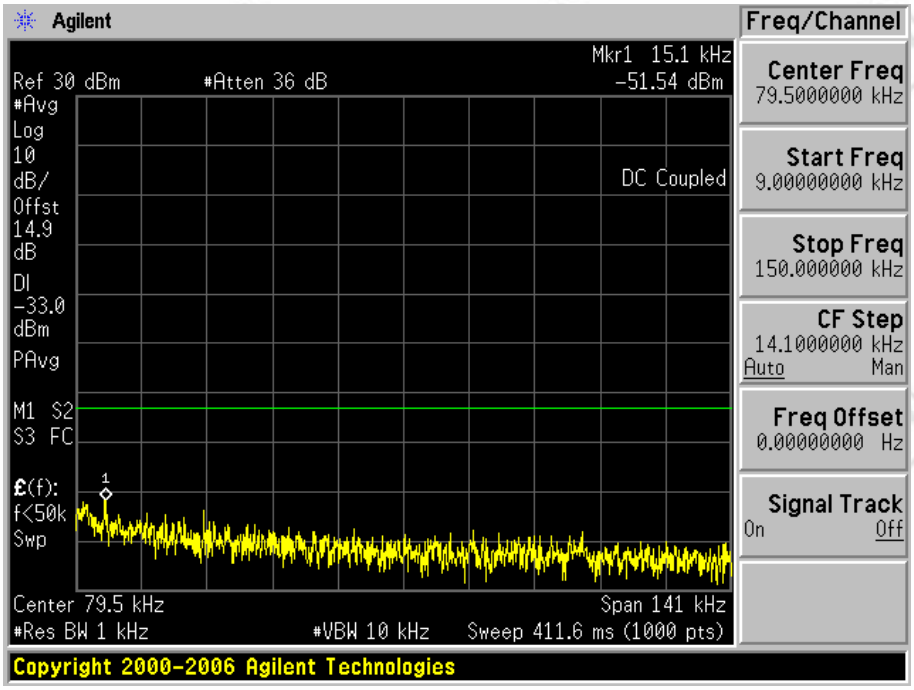


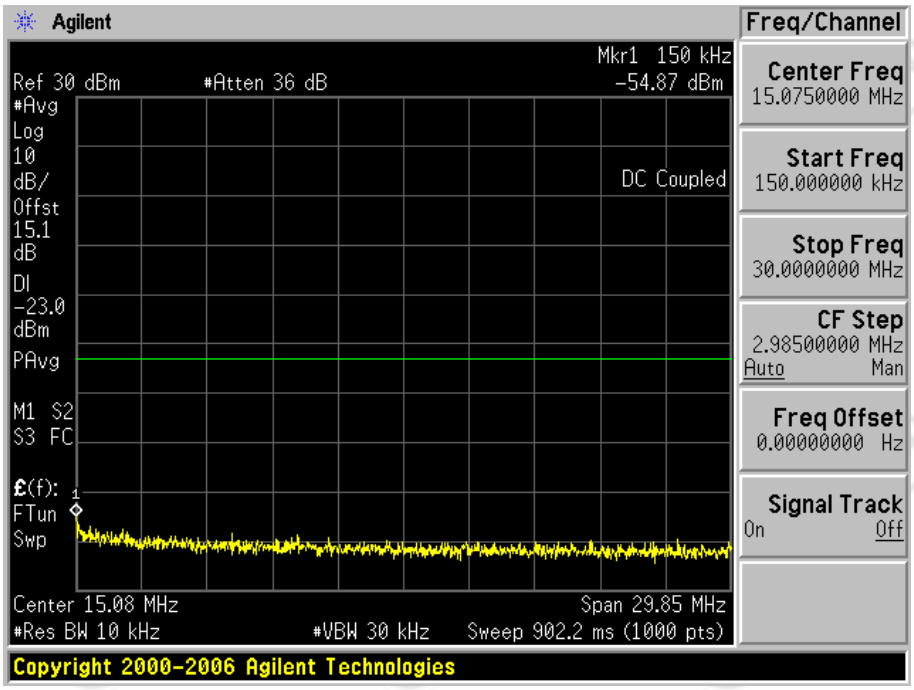


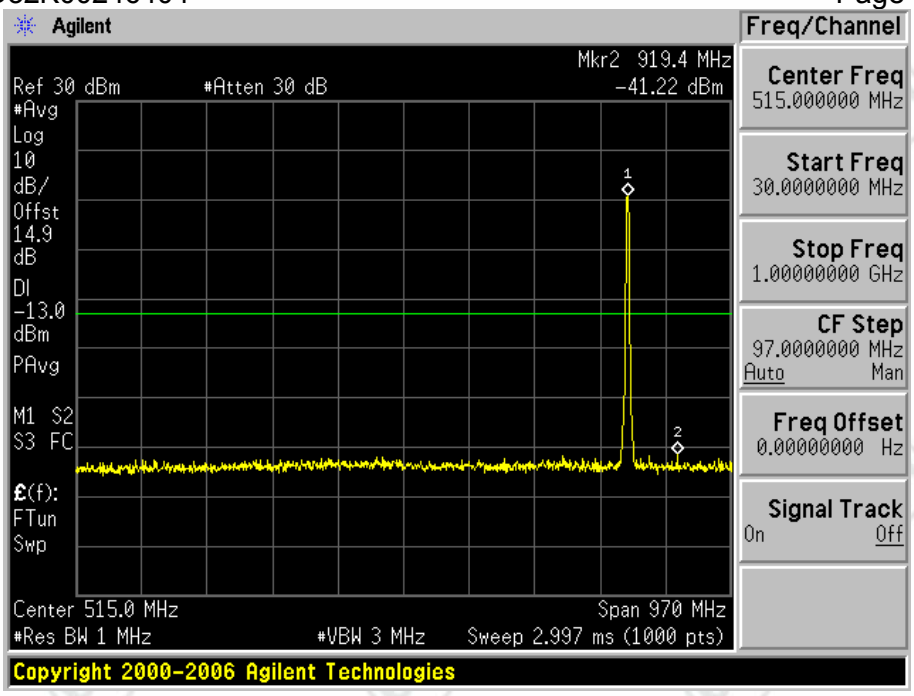

Agilent
Freq/Channel
Mkr2 493.2 MHz
Ref 30 dBm
#Atten 30 dB
-41.57 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

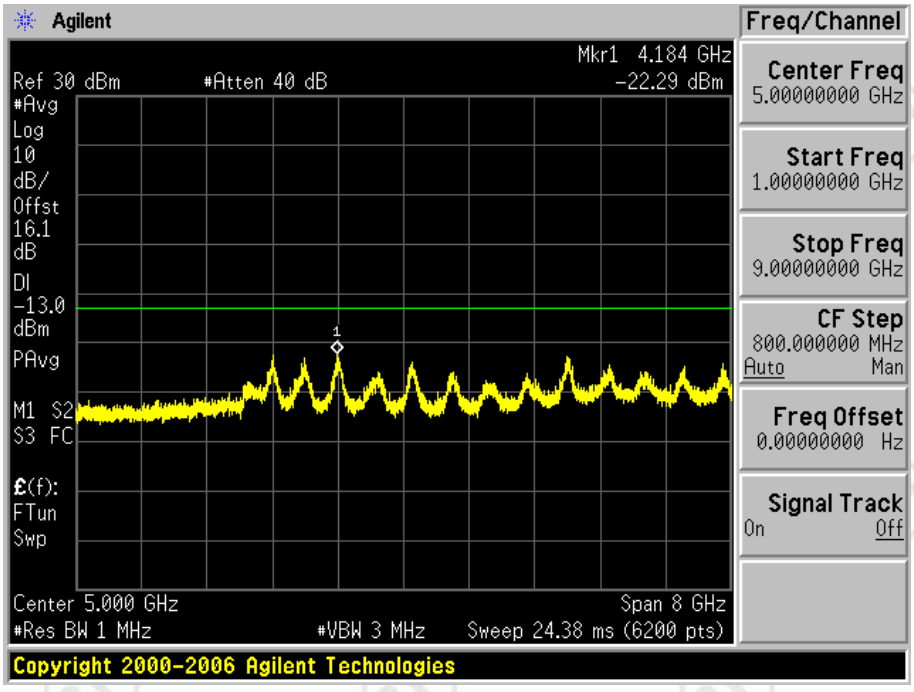

Agilent
Freq/Channel
Mkr1 4.204 GHz
Ref 30 dBm
#Atten 40 dB
-21.80 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH



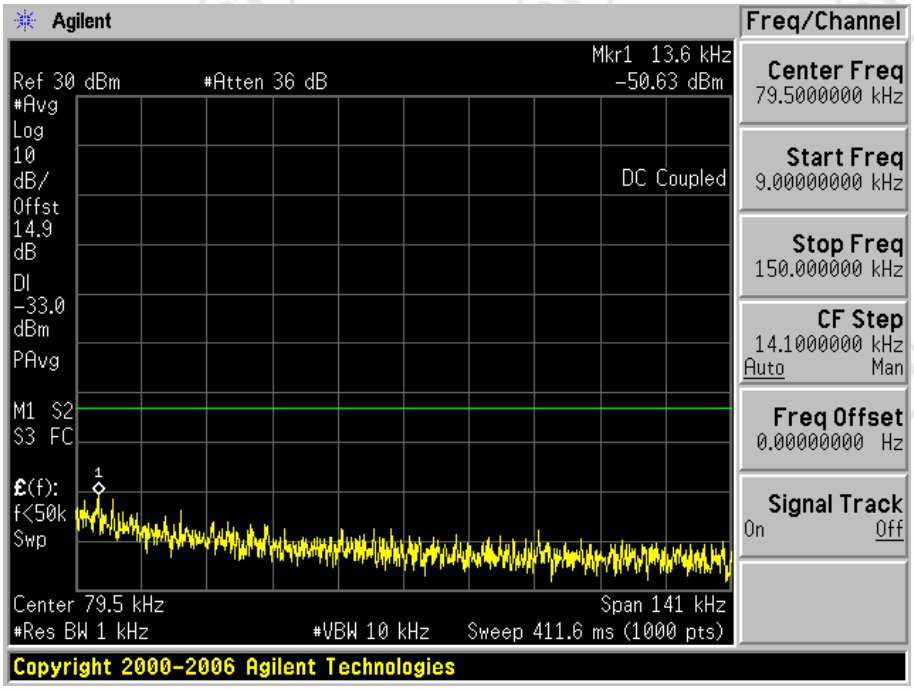


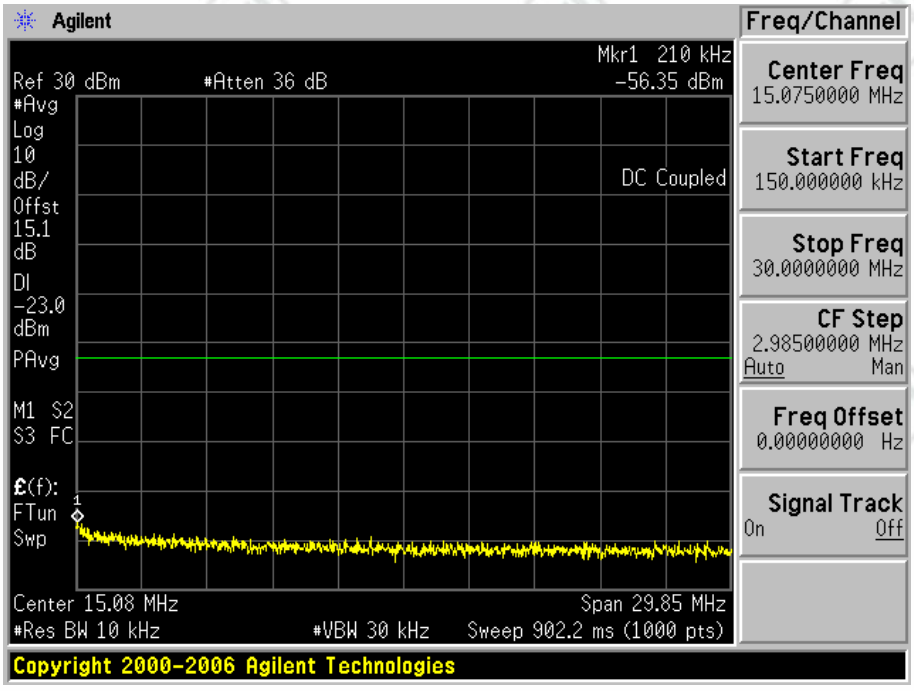

Agilent
Freq/Channel
Mkr2 919.4 MHz
Ref 30 dBm
#Atten 30 dB
-41.22 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

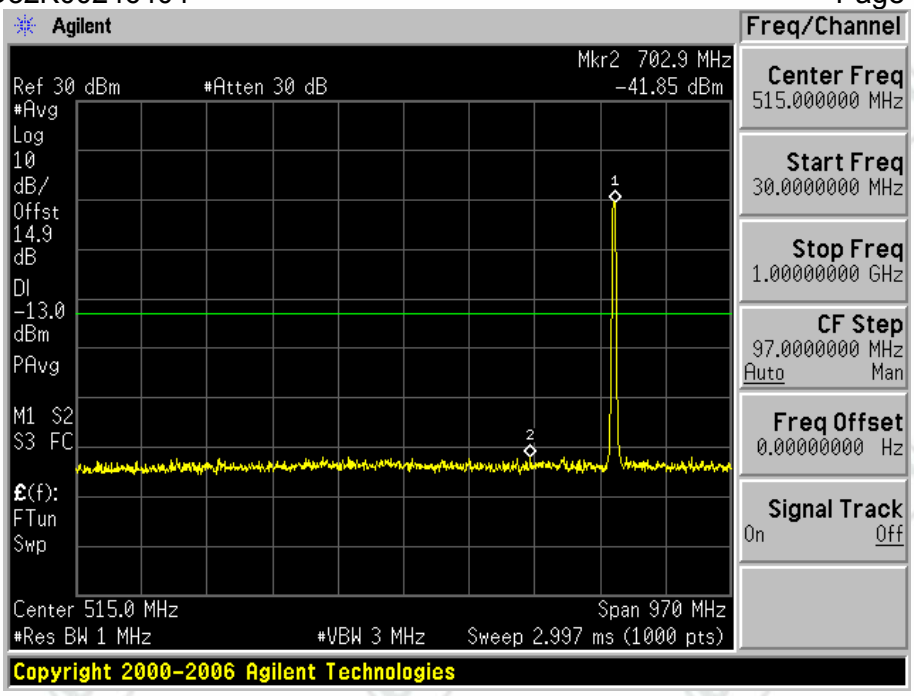

Agilent
Freq/Channel
Mkr1 4.184 GHz
Ref 30 dBm
#Atten 40 dB
-22.29 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

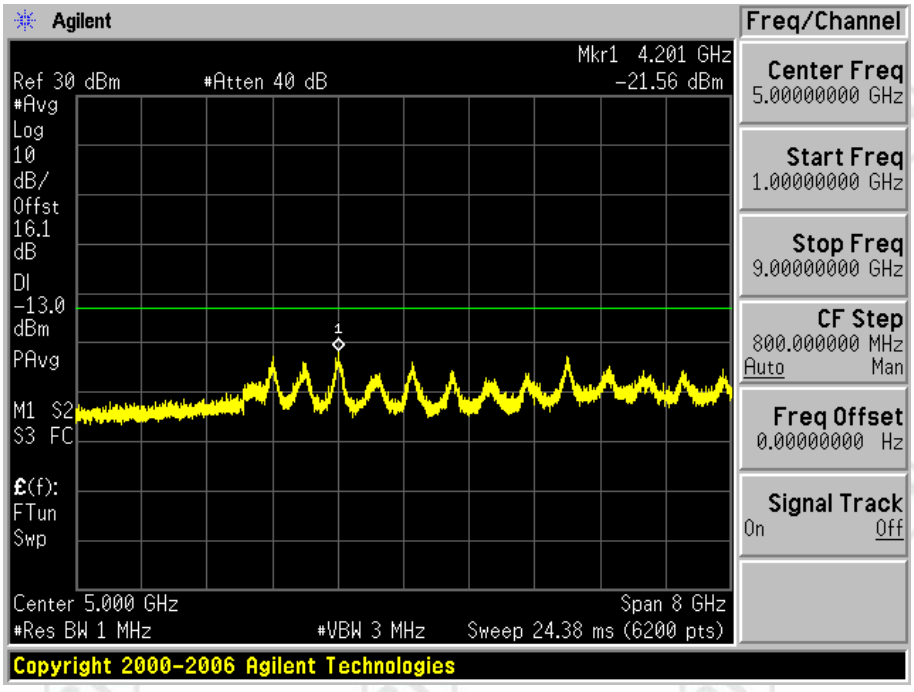
Test Mode=UMTS/TM2

Test Channel=LCH

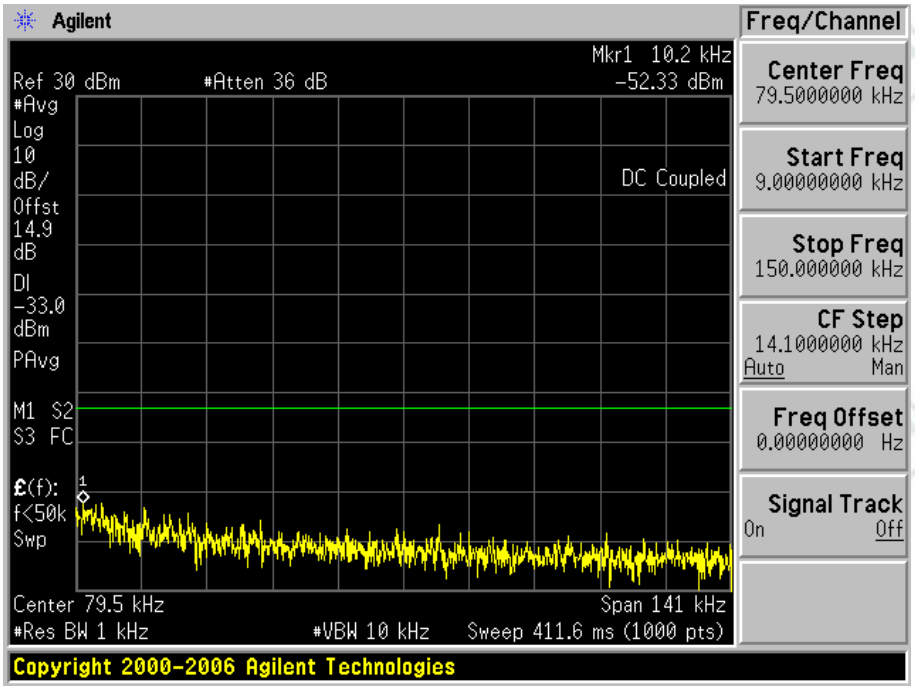


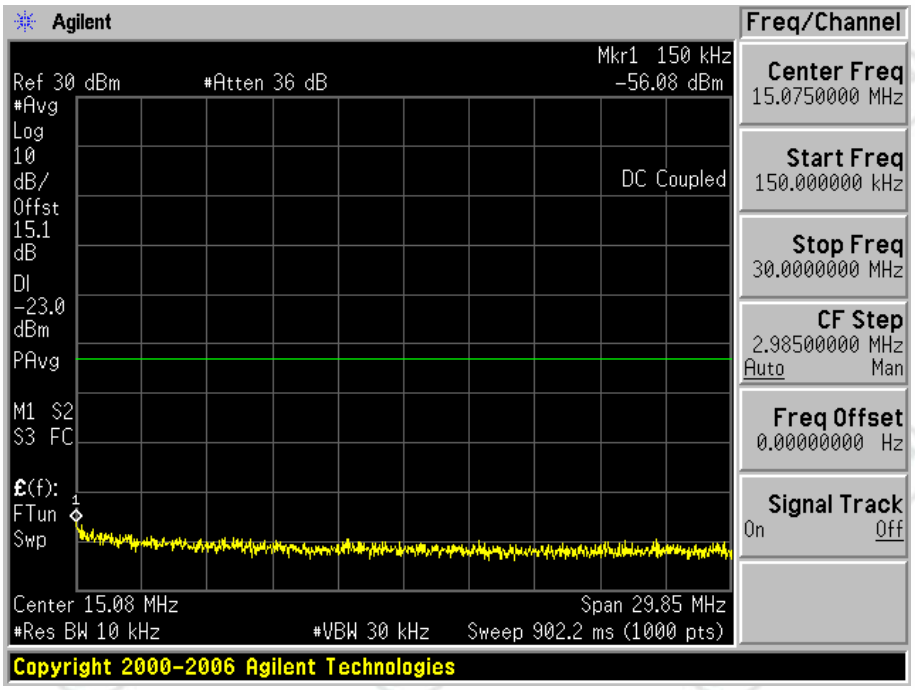


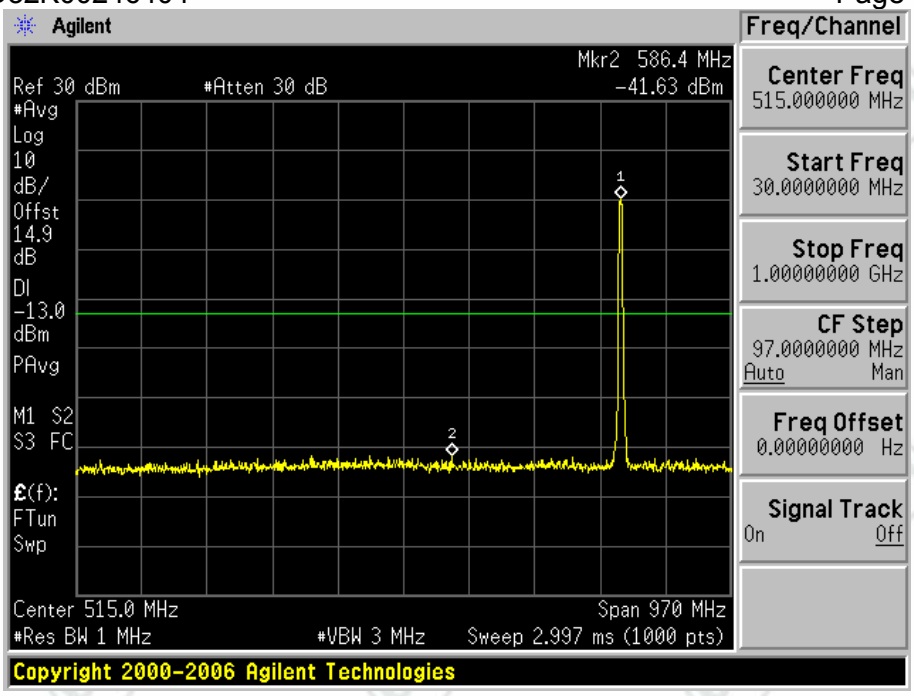

Agilent
Freq/Channel
Mkr2 702.9 MHz
Ref 30 dBm
#Atten 30 dB
-41.85 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

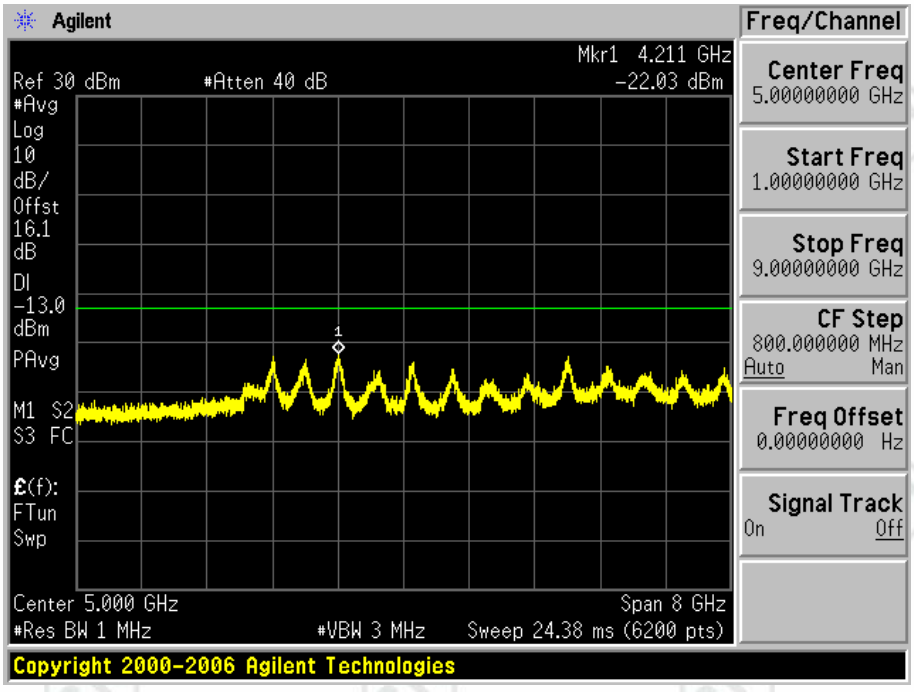

Agilent
Freq/Channel
Mkr1 4.201 GHz
Ref 30 dBm
#Atten 40 dB
-21.56 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=MCH

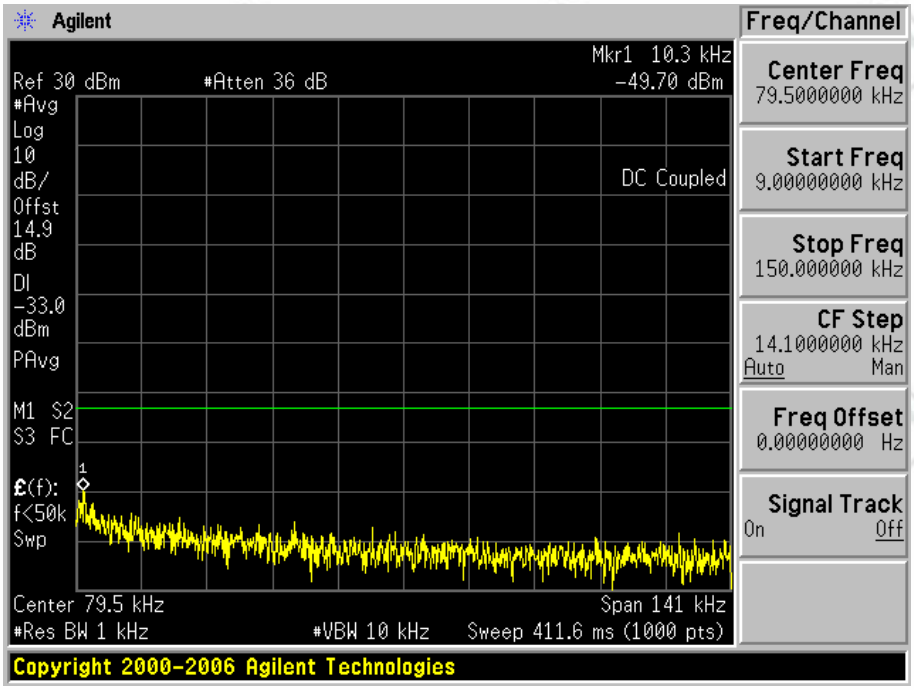


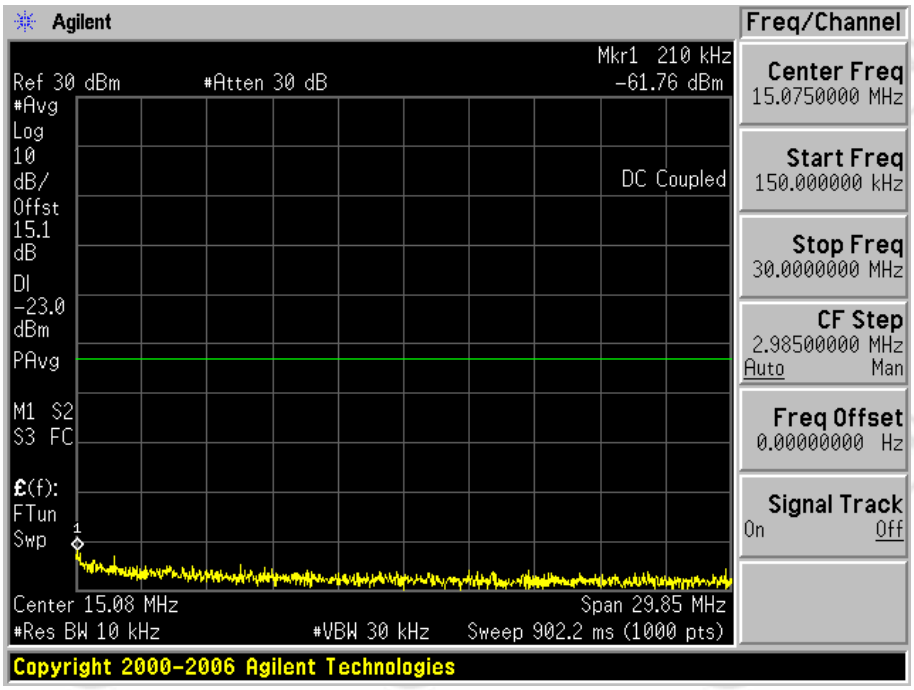


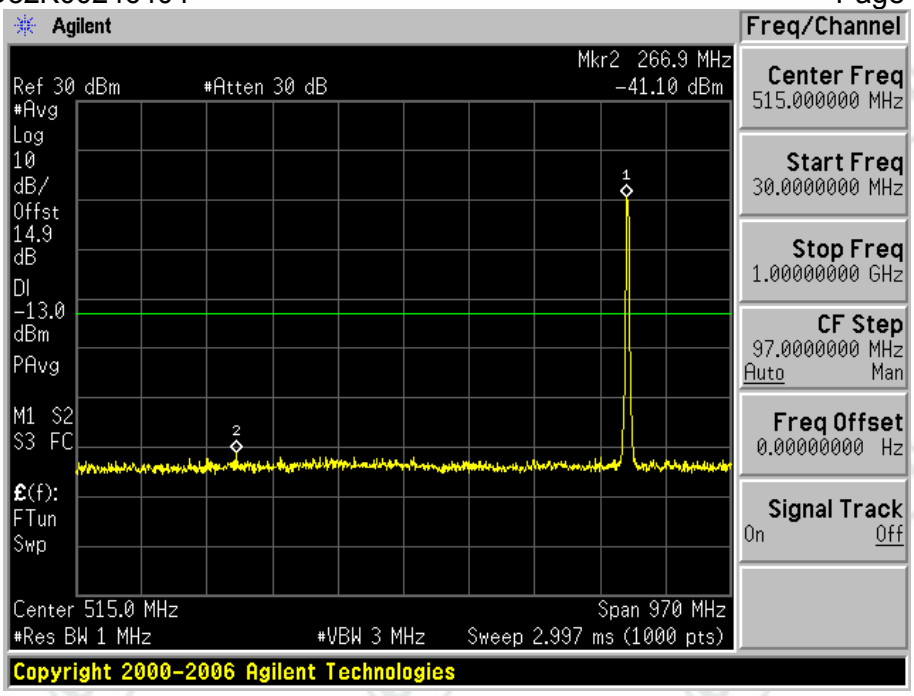

Agilent
Freq/Channel
Mkr2 586.4 MHz
Ref 30 dBm
#Atten 30 dB
-41.63 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

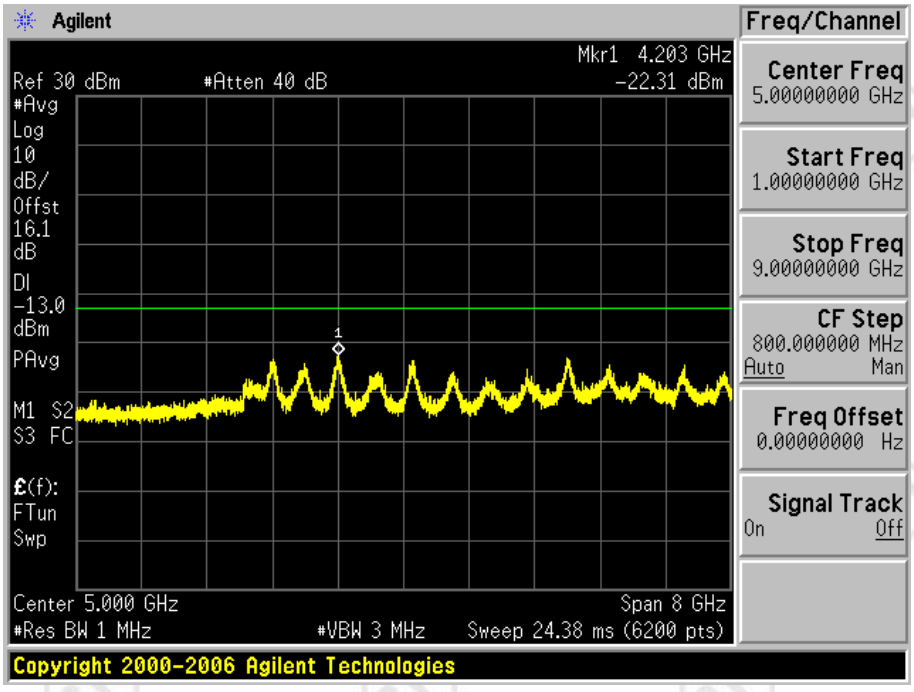

Agilent
Freq/Channel
Mkr1 4.211 GHz
Ref 30 dBm
#Atten 40 dB
-22.03 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH



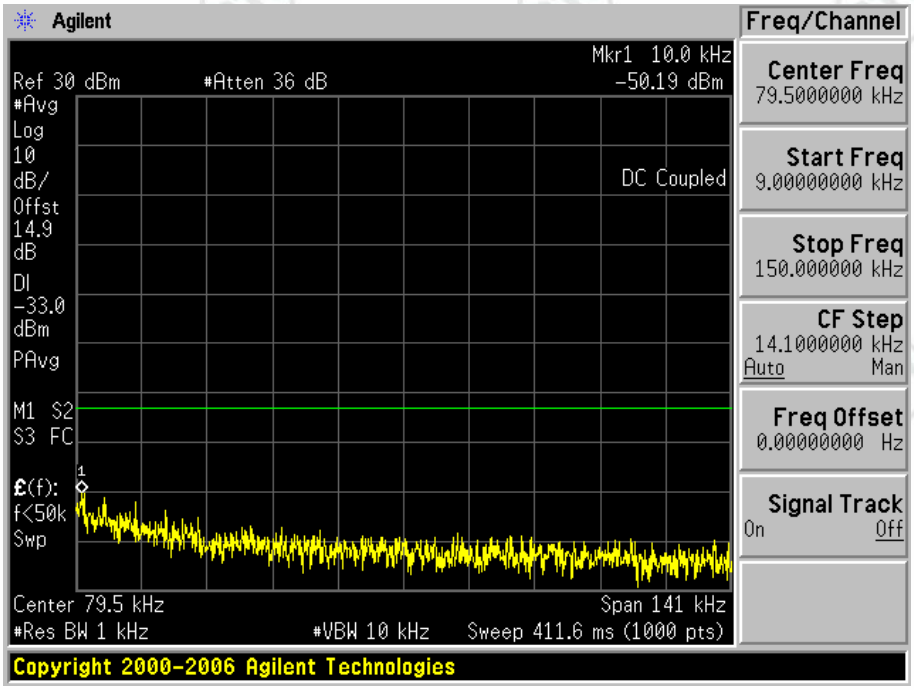


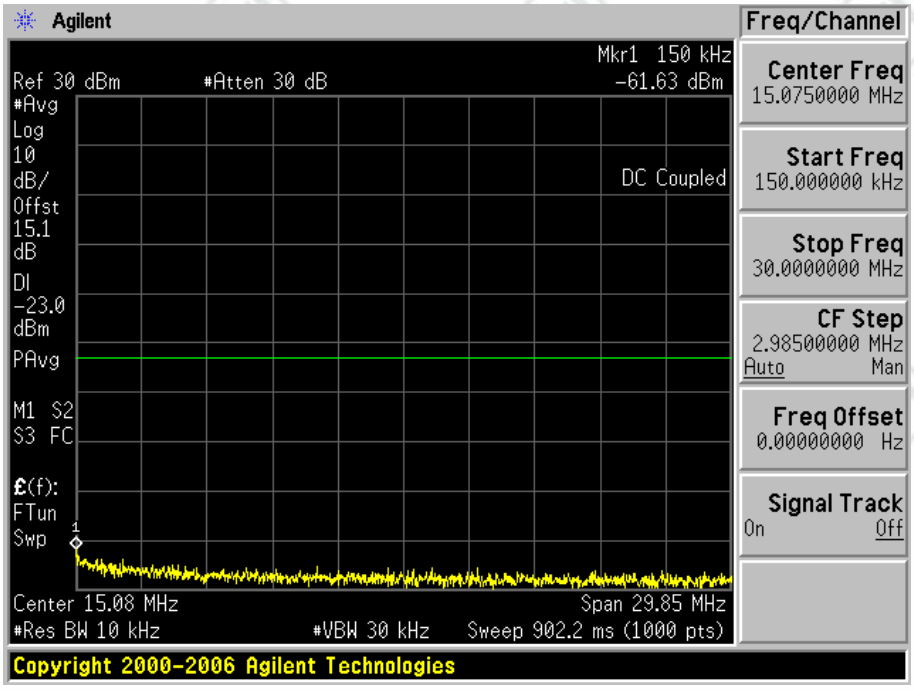

Agilent
Freq/Channel
Mkr2 266.9 MHz
Ref 30 dBm
#Atten 30 dB
-41.10 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

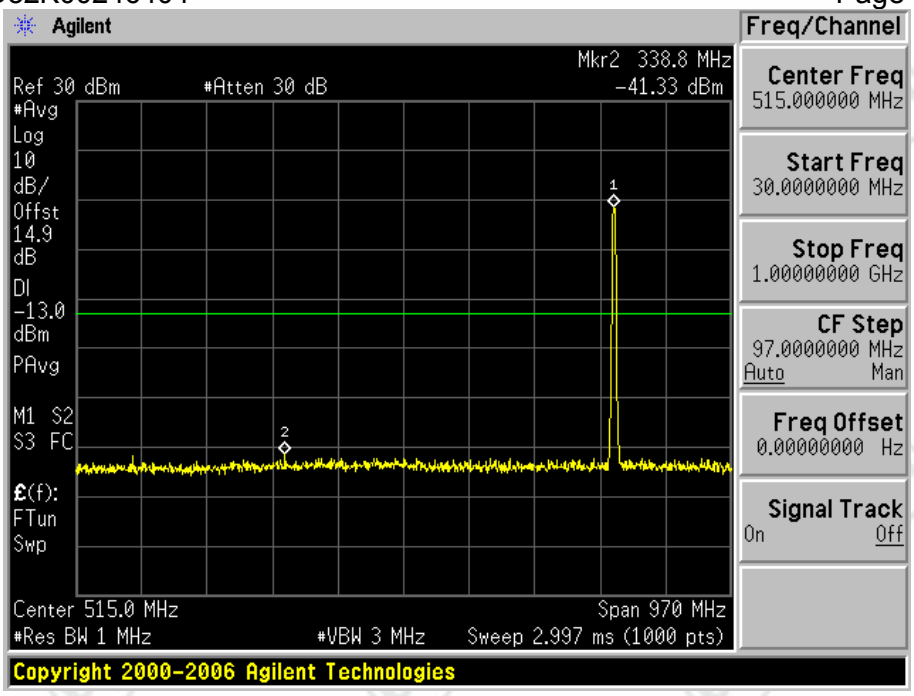

Agilent
Freq/Channel
Mkr1 4.203 GHz
Ref 30 dBm
#Atten 40 dB
-22.31 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

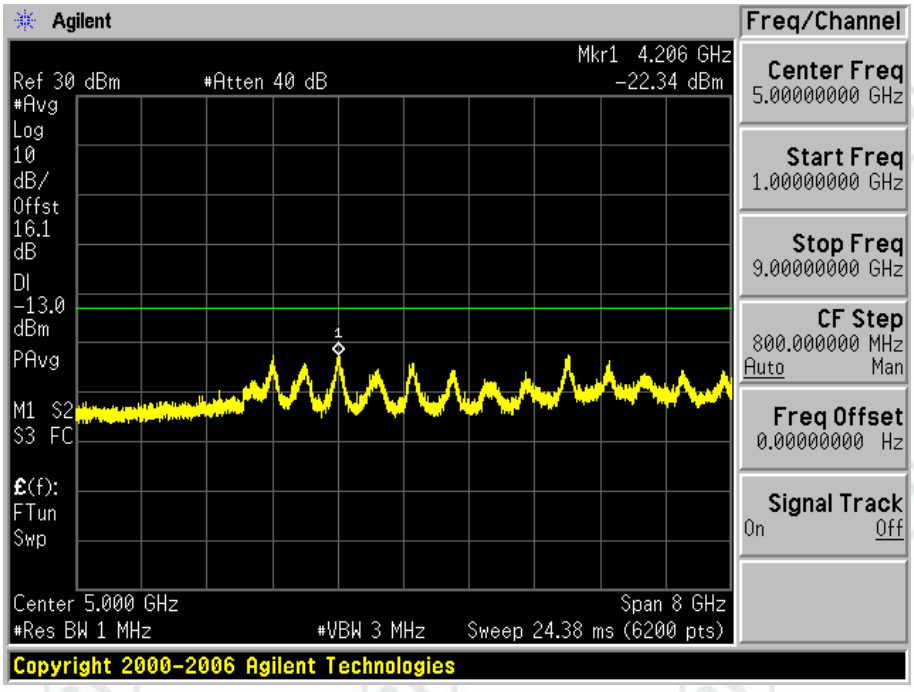
Test Mode=UMTS/TM3

Test Channel=LCH

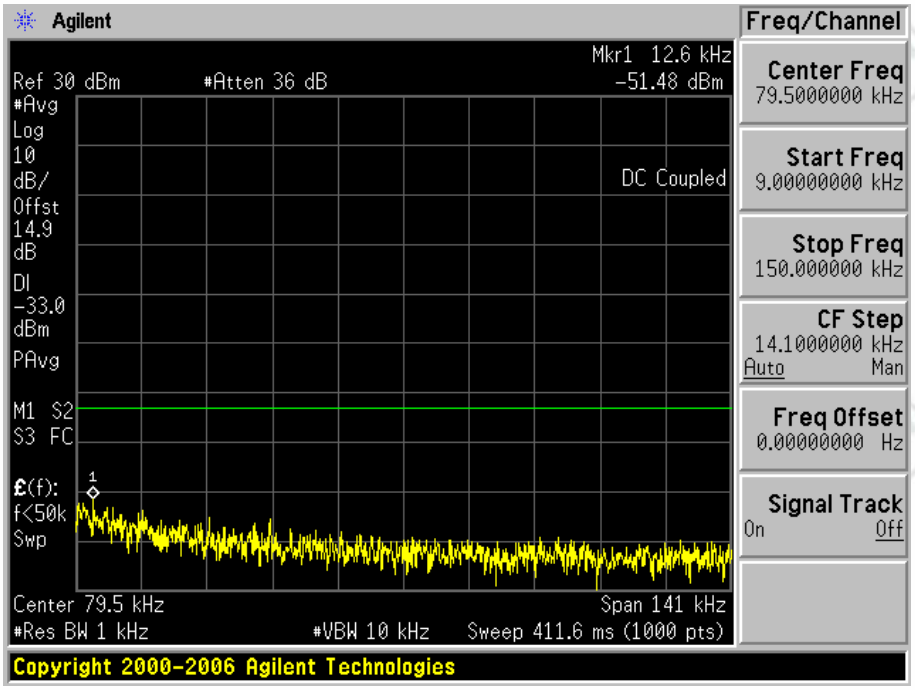


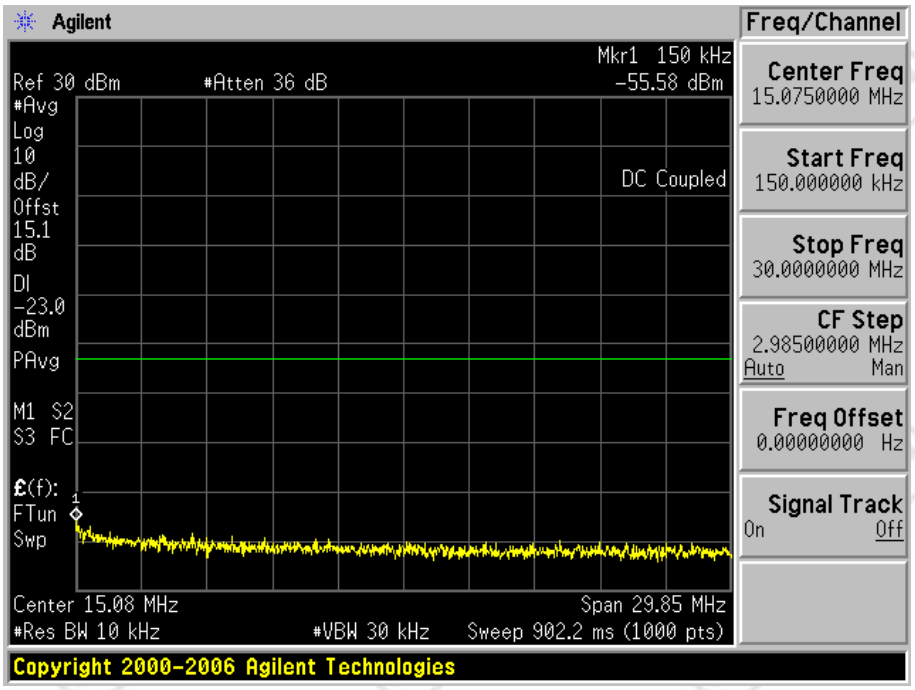


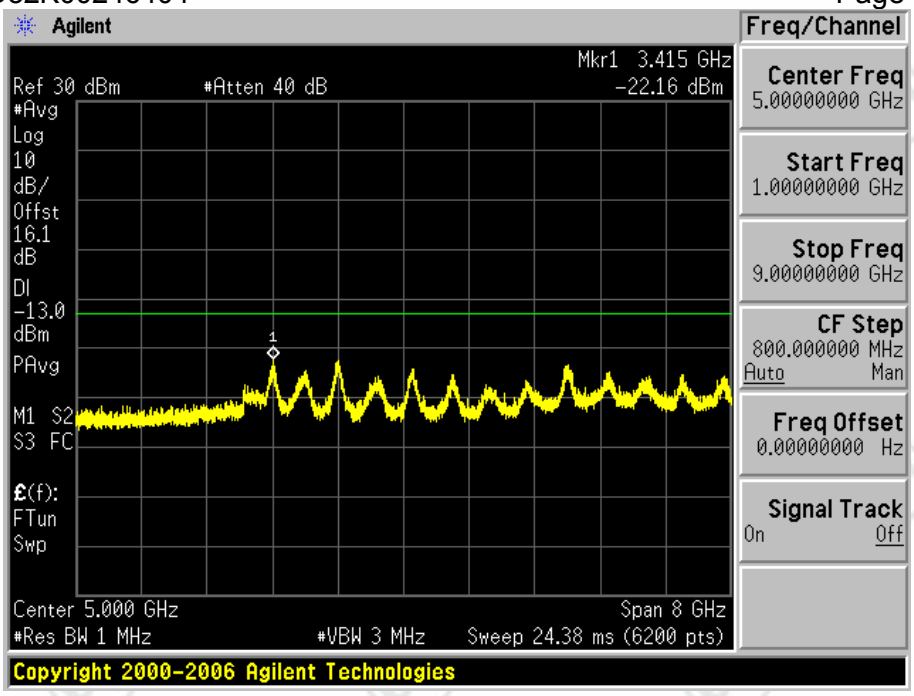

Agilent
Freq/Channel
Mkr2 338.8 MHz
Ref 30 dBm
#Atten 30 dB
-41.33 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

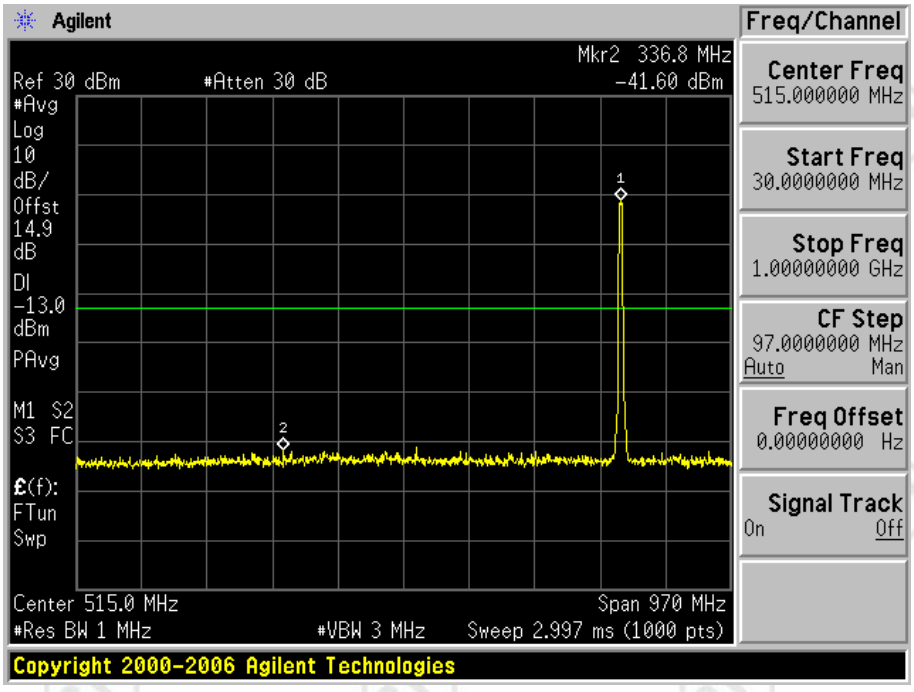

Agilent
Freq/Channel
Mkr1 4.206 GHz
Ref 30 dBm
#Atten 40 dB
-22.34 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=MCH

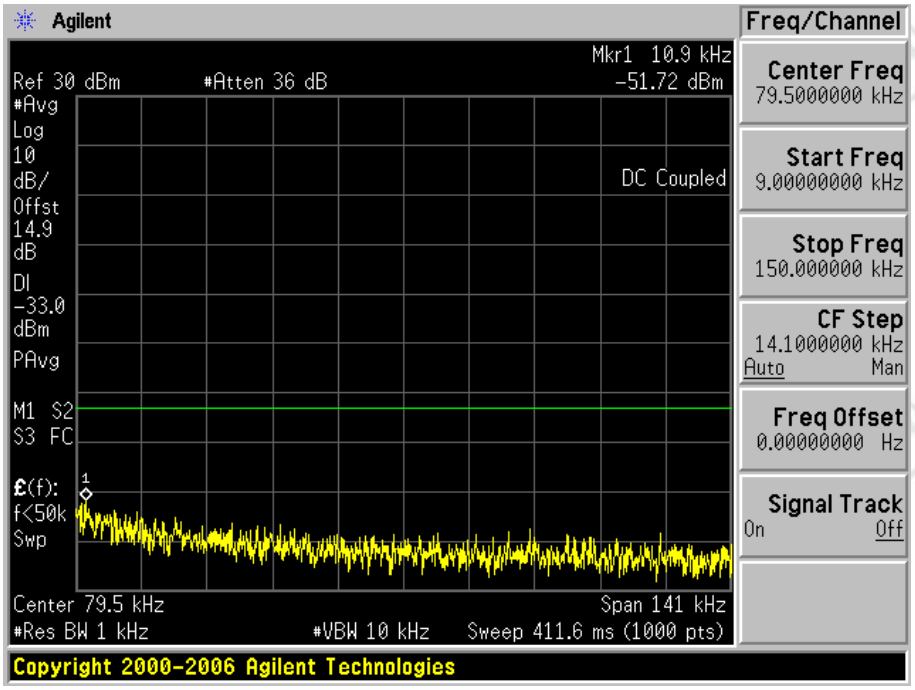


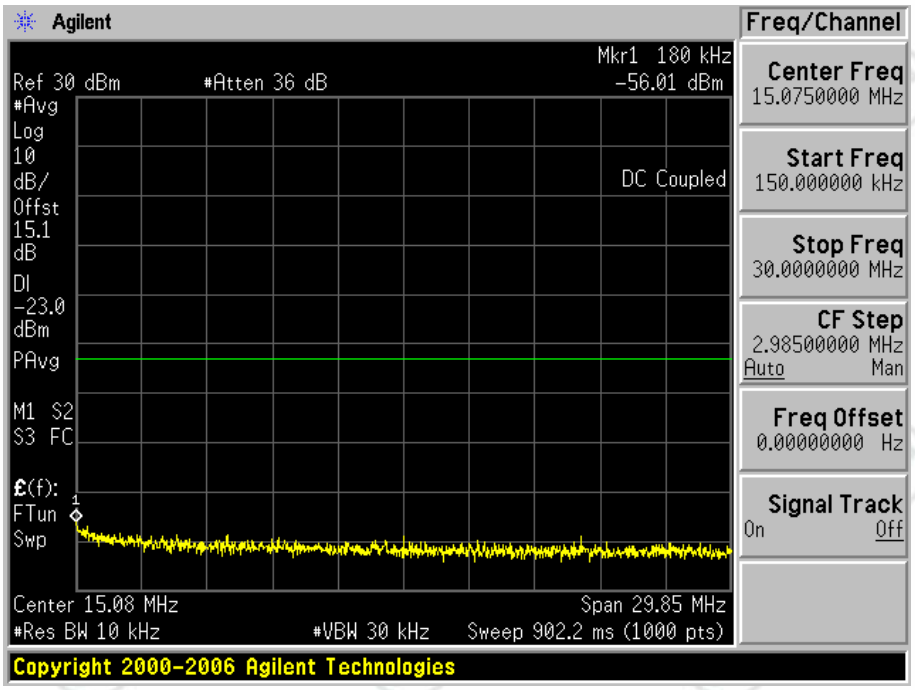


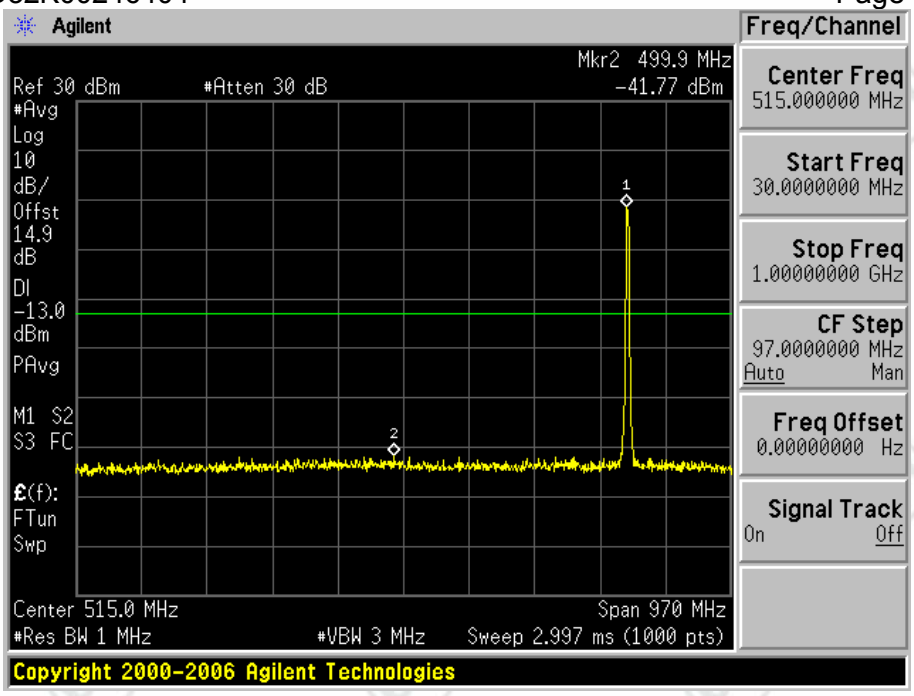

Agilent
Freq/Channel
Mkr1 3.415 GHz
Ref 30 dBm
#Atten 40 dB
-22.16 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

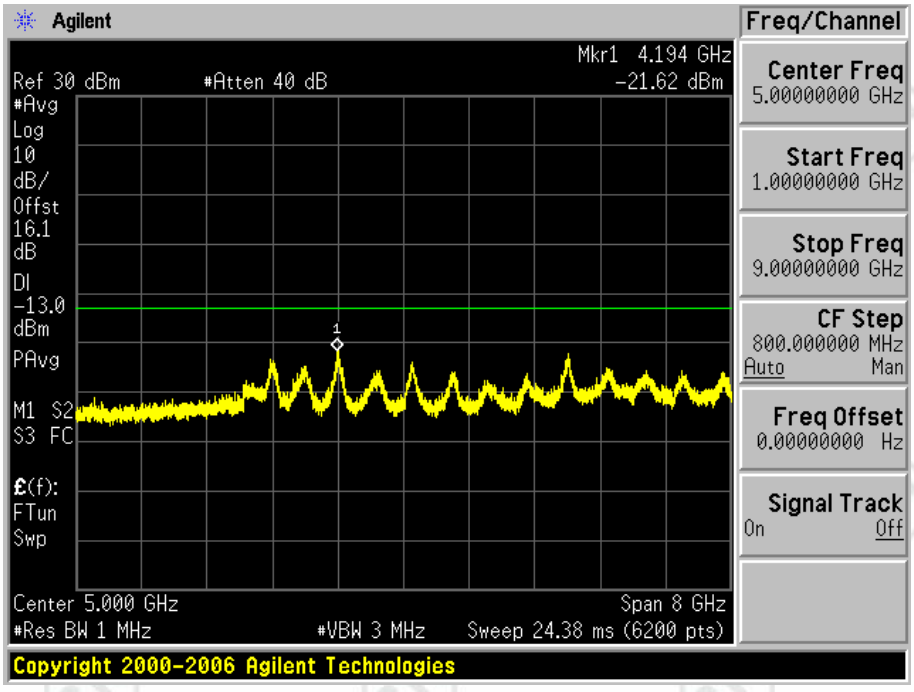

Agilent
Freq/Channel
Mkr2 336.8 MHz
Ref 30 dBm
#Atten 30 dB
-41.60 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

Test Channel=HCH





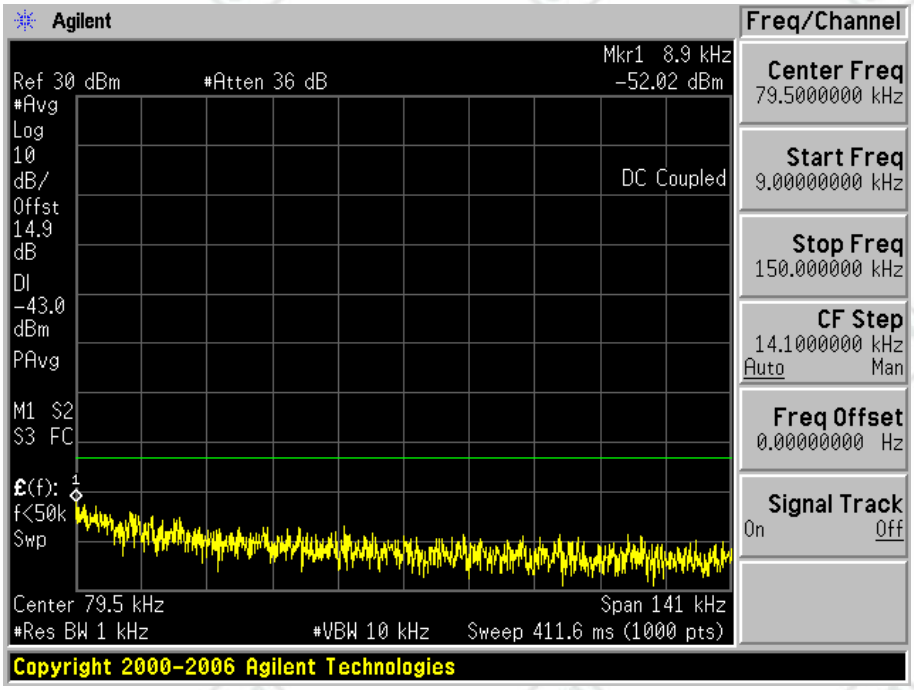

Agilent
Freq/Channel
Mkr2 499.9 MHz
Ref 30 dBm
#Atten 30 dB
-41.77 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

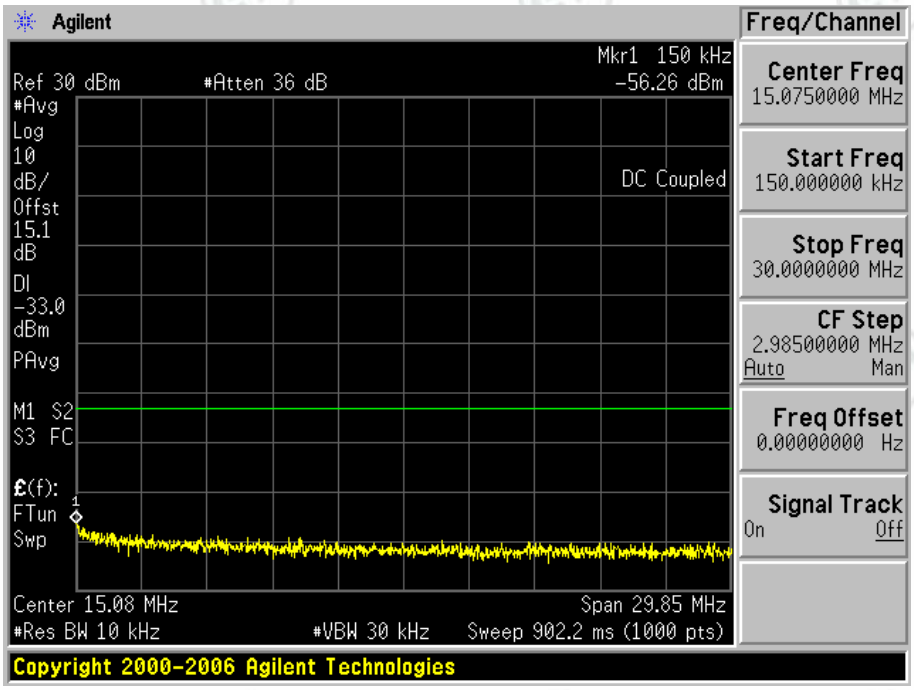

Agilent
Freq/Channel
Mkr1 4.194 GHz
Ref 30 dBm
#Atten 40 dB
-21.62 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

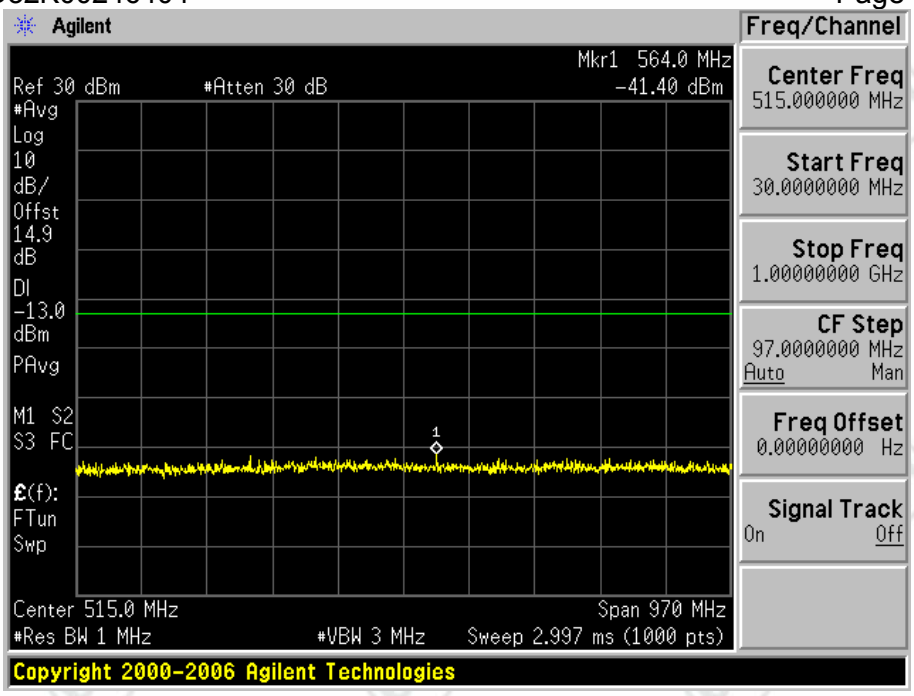
Test Band=WCDMA1700

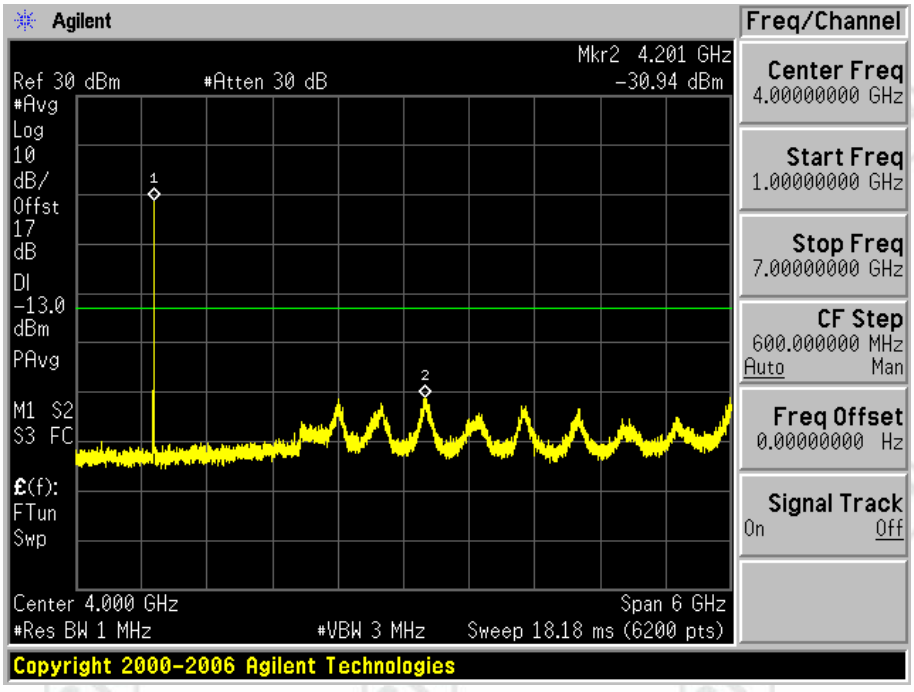
Test Mode=UMTS/TM1

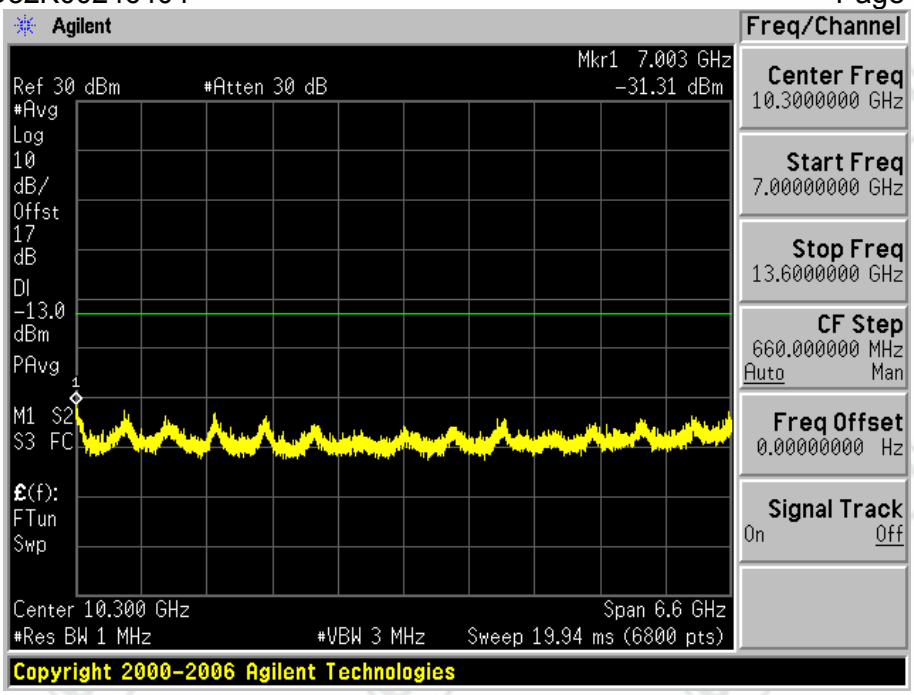
Test Channel=LCH

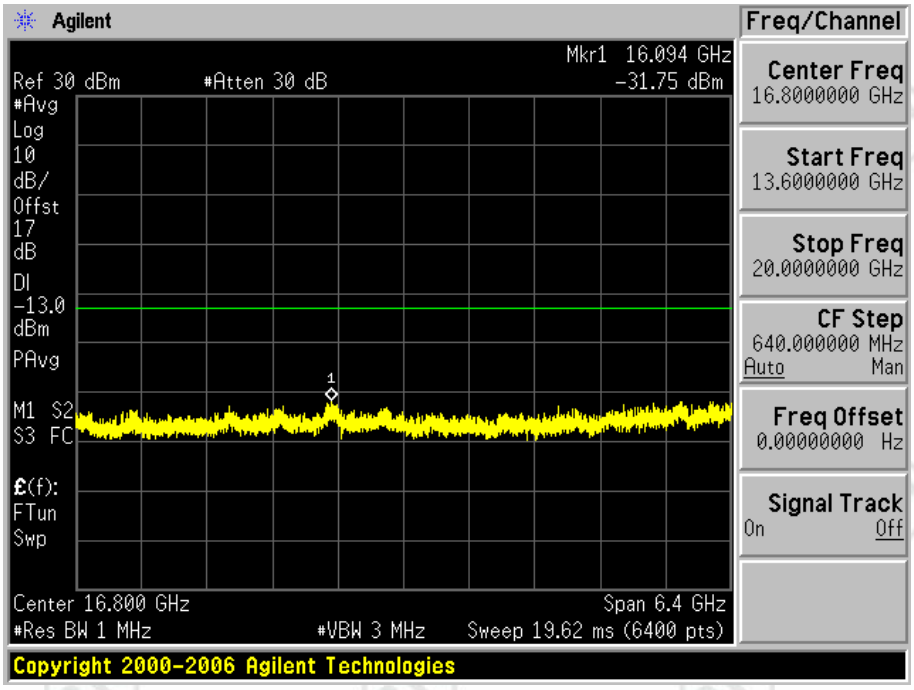




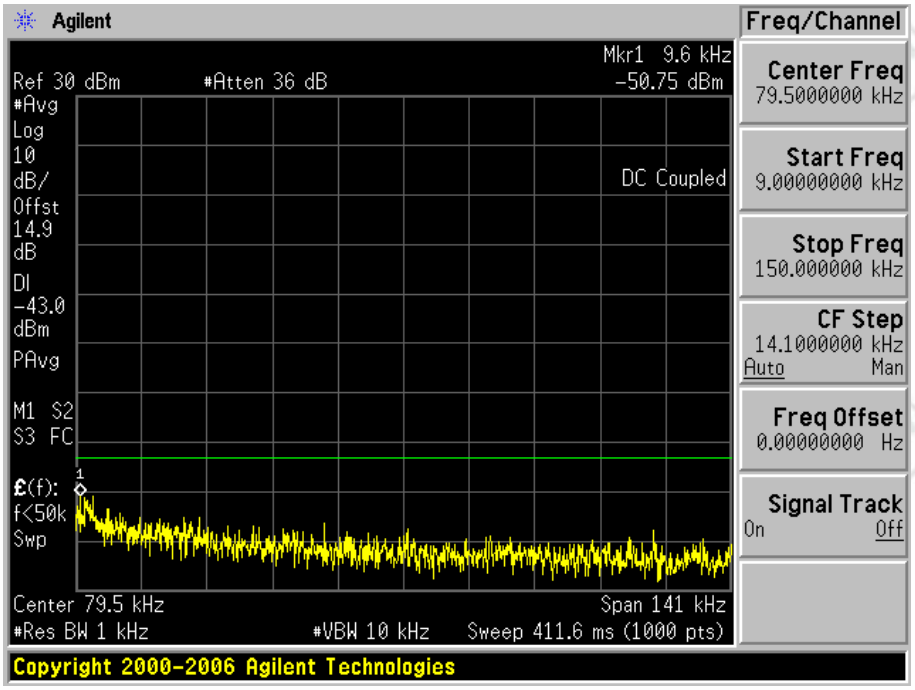

Agilent
Freq/Channel
Mkr1 564.0 MHz
Ref 30 dBm
#Atten 30 dB
-41.40 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

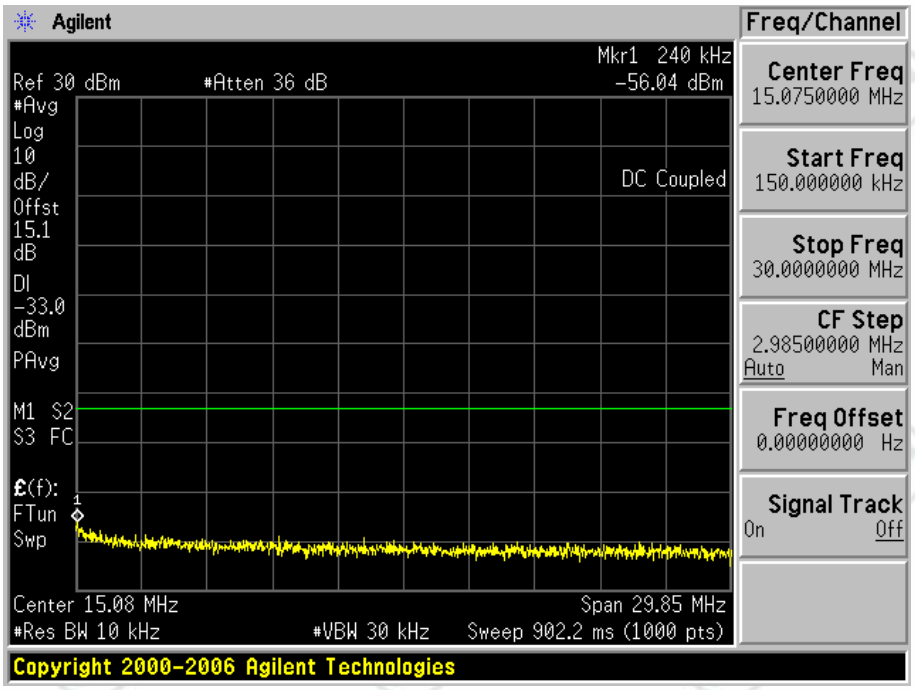

Agilent
Freq/Channel
Mkr2 4.201 GHz
Ref 30 dBm
#Atten 30 dB
-30.94 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

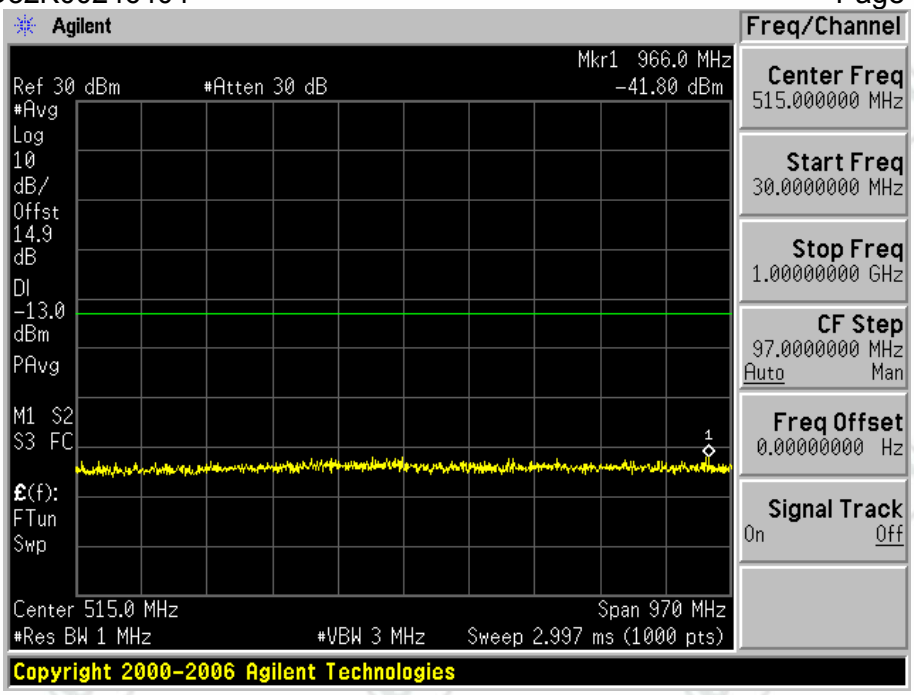

Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-31.31 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

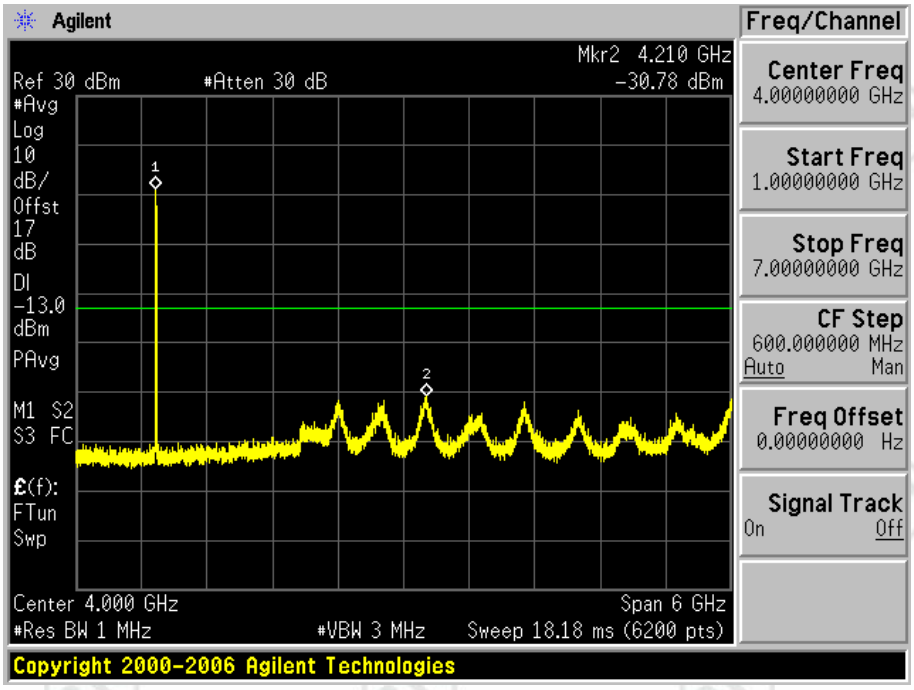

Agilent
Freq/Channel
Mkr1 16.094 GHz
Ref 30 dBm
#Atten 30 dB
-31.75 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

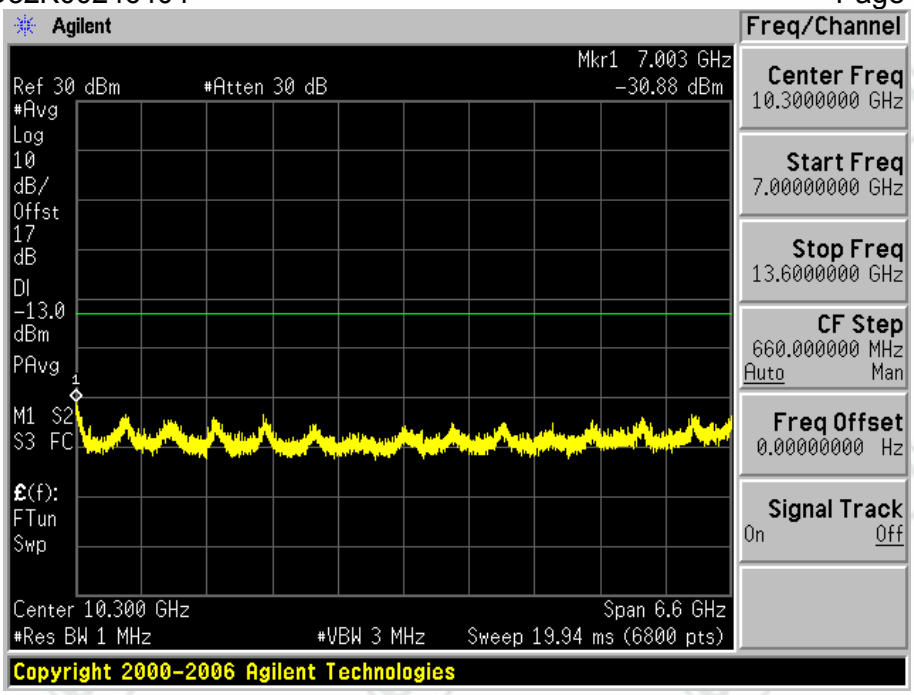
Test Channel=MCH

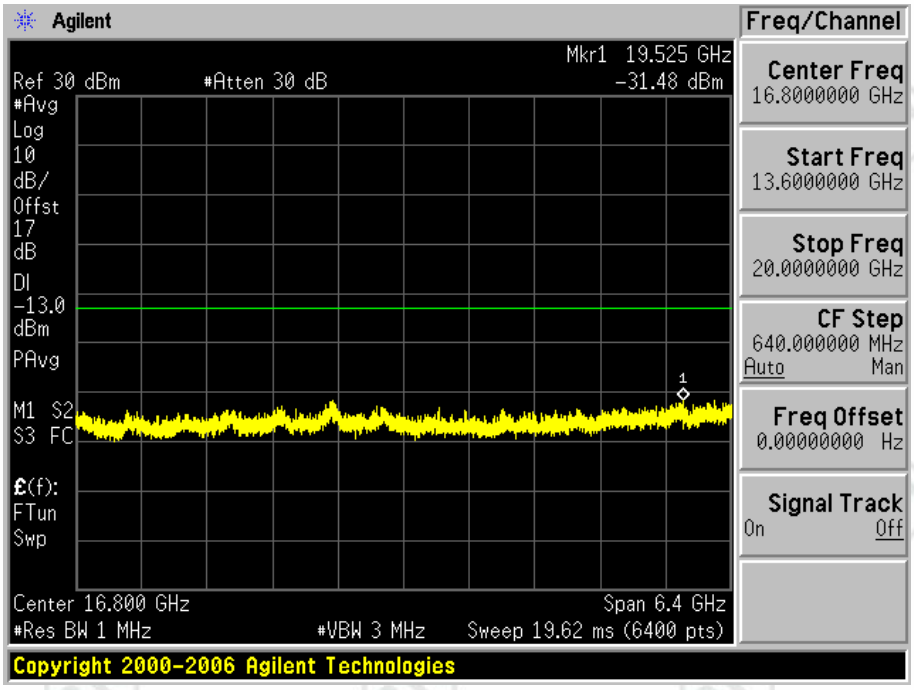




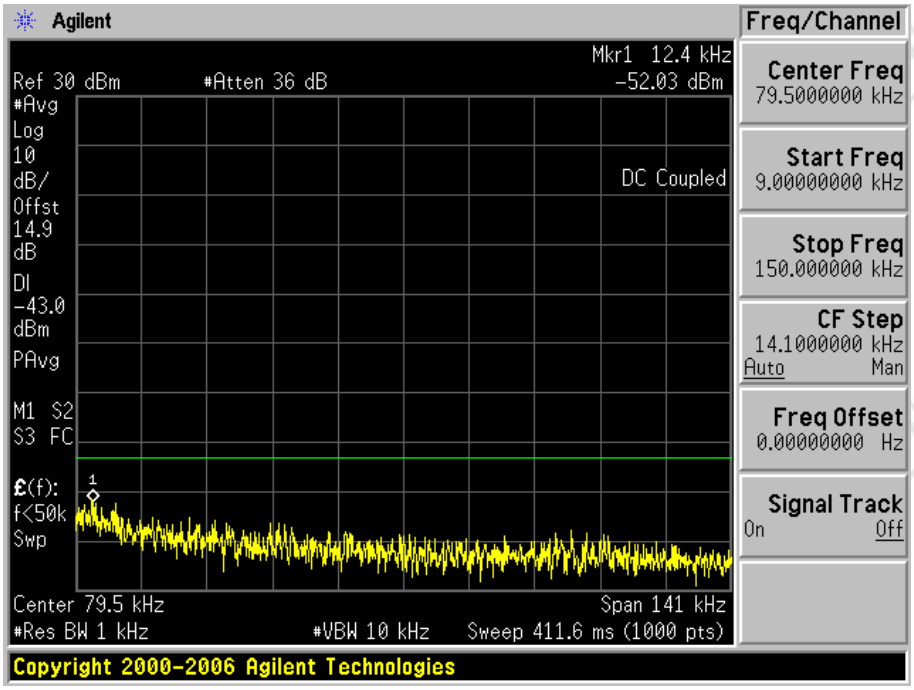

Agilent
Freq/Channel
Mkr1 966.0 MHz
Ref 30 dBm
#Atten 30 dB
-41.80 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

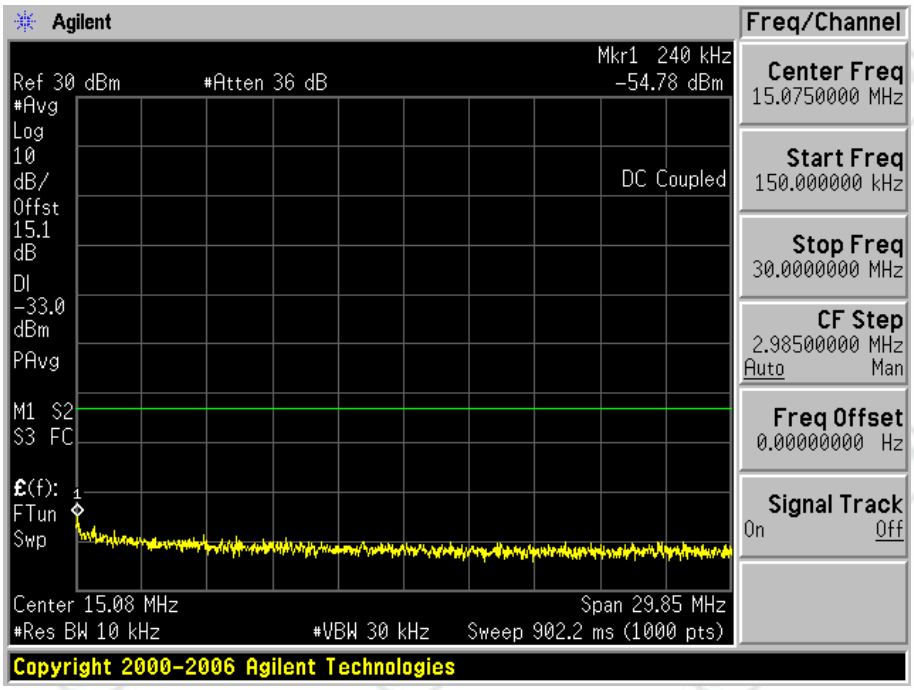

Agilent
Freq/Channel
Mkr2 4.210 GHz
Ref 30 dBm
#Atten 30 dB
-30.78 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

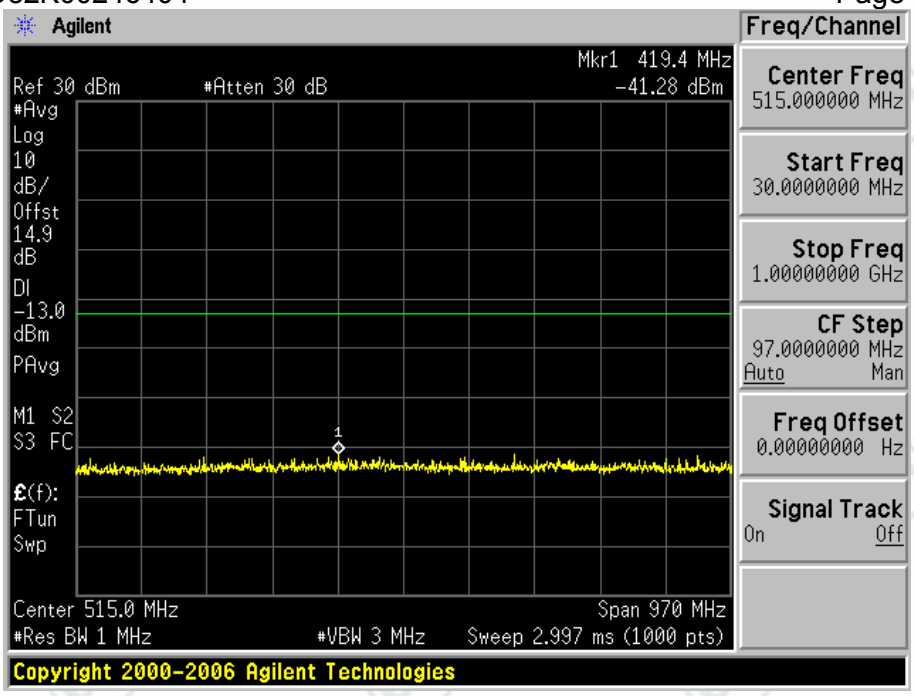

Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-30.88 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

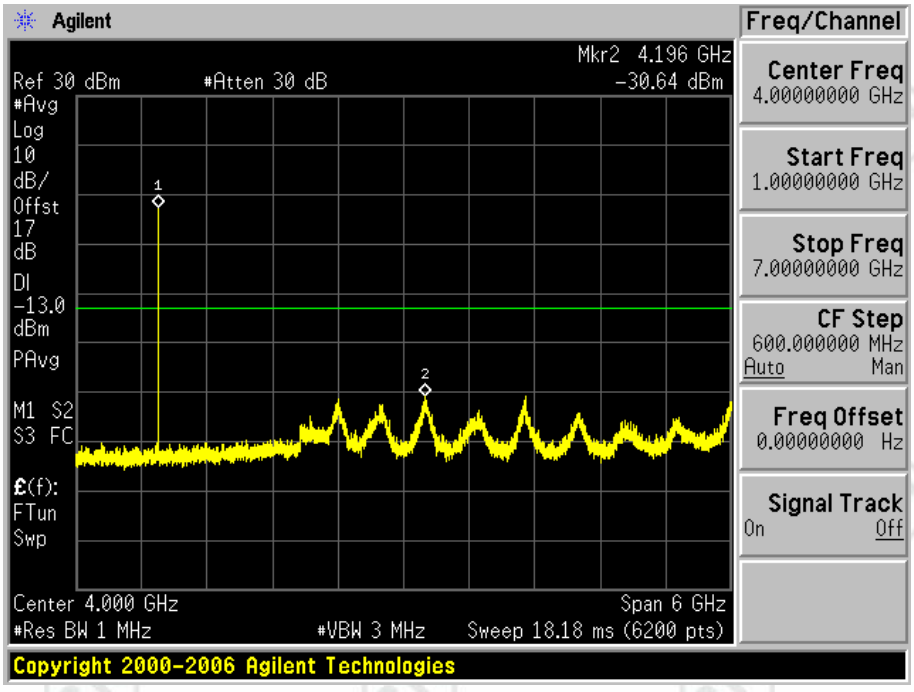

Agilent
Freq/Channel
Mkr1 19.525 GHz
Ref 30 dBm
#Atten 30 dB
-31.48 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

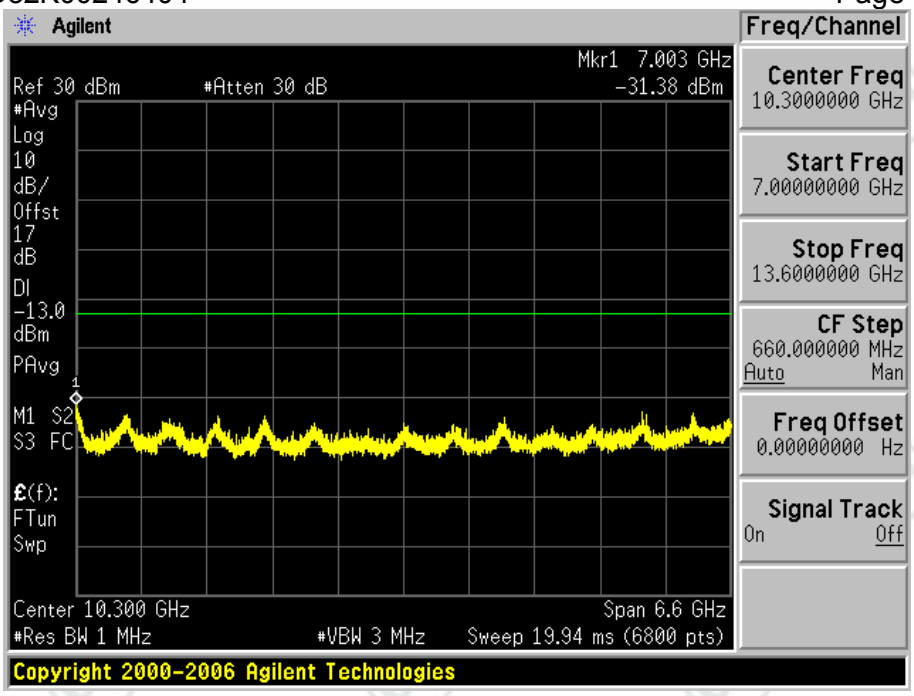
Test Channel=HCH

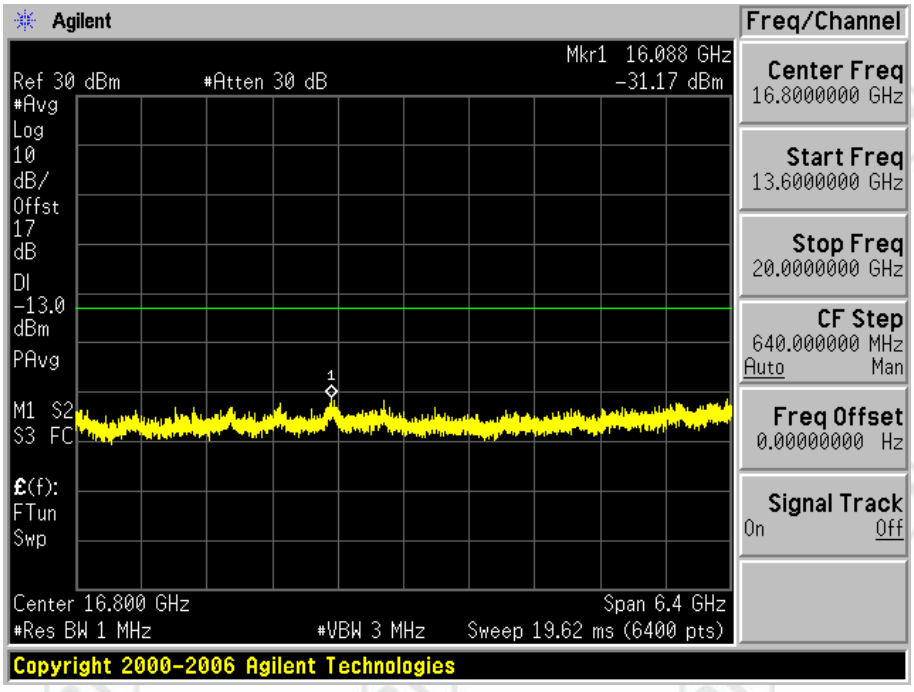





Agilent
Freq/Channel
Mkr1 419.4 MHz
Ref 30 dBm
#Atten 30 dB
-41.28 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr2 4.196 GHz
Ref 30 dBm
#Atten 30 dB
-30.64 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-31.38 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 16.088 GHz
Ref 30 dBm
#Atten 30 dB
-31.17 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
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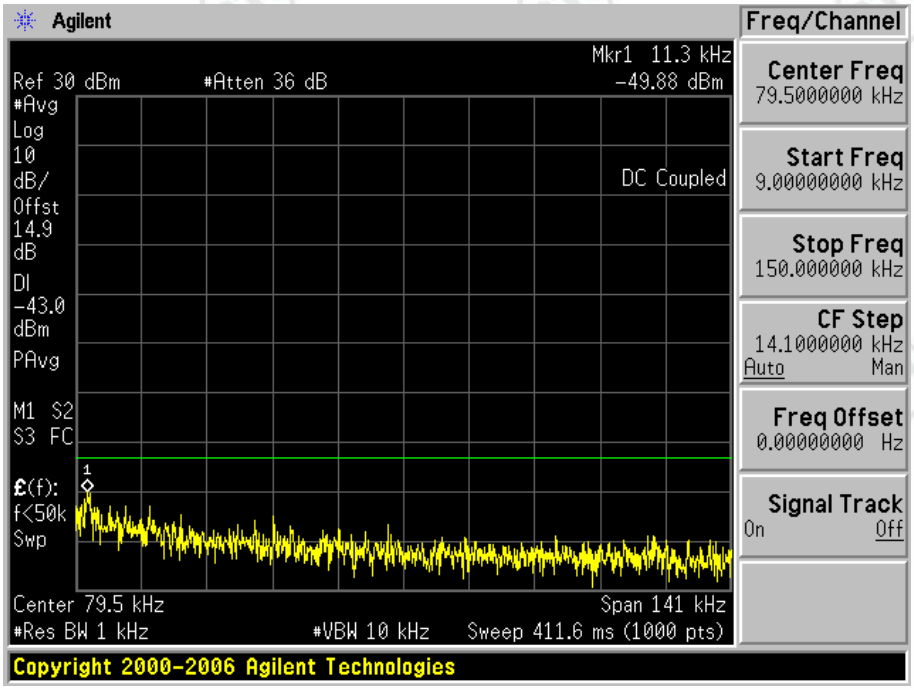
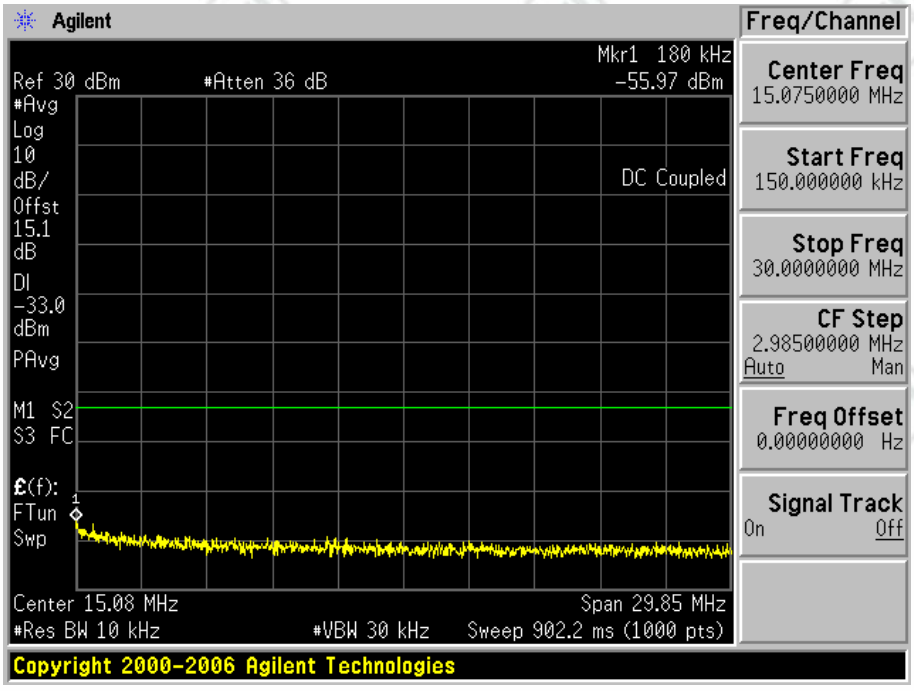
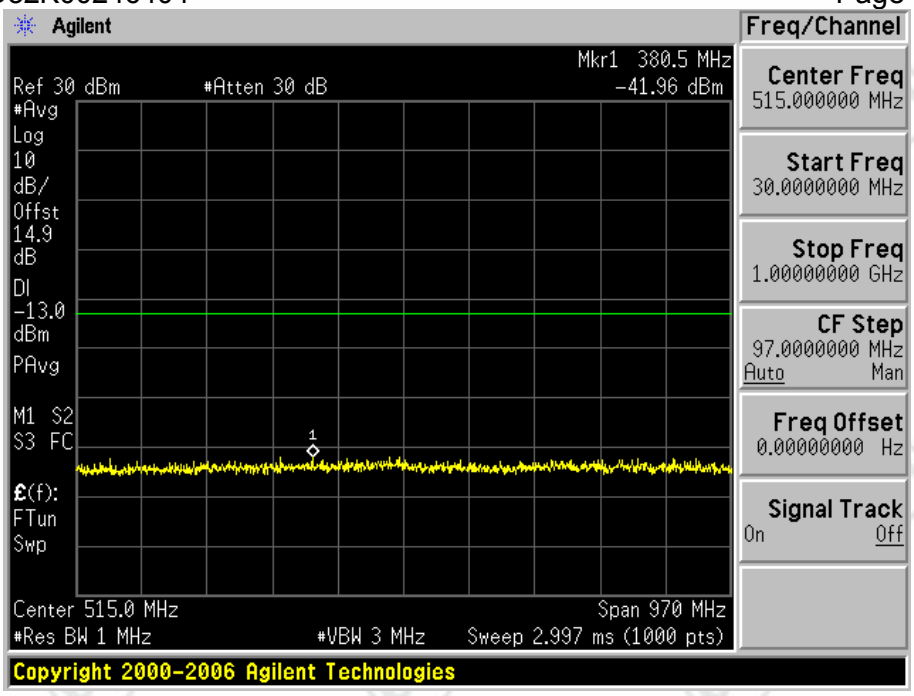
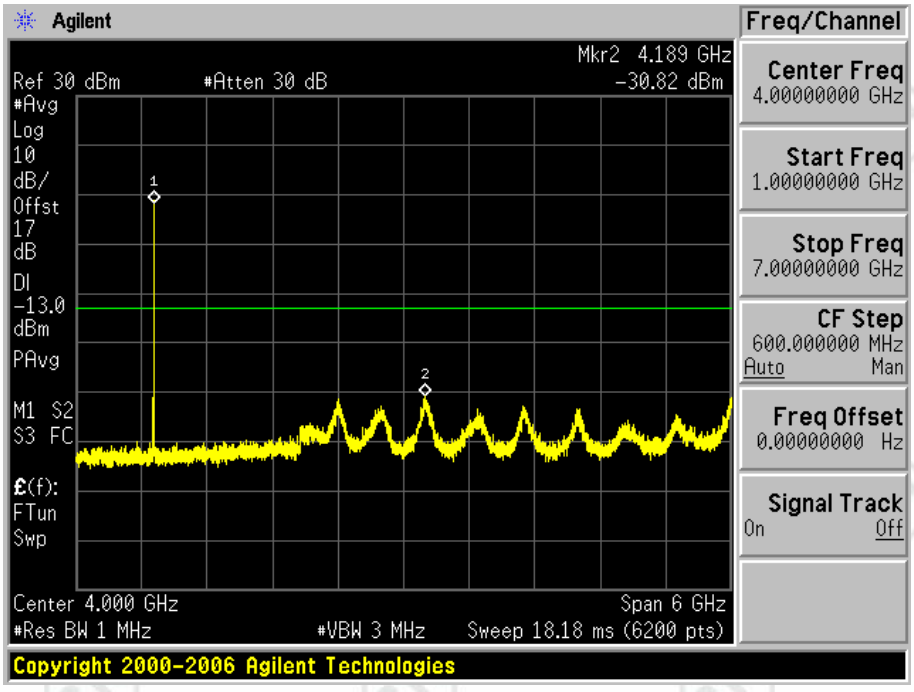
Test Mode=UMTS/TM2

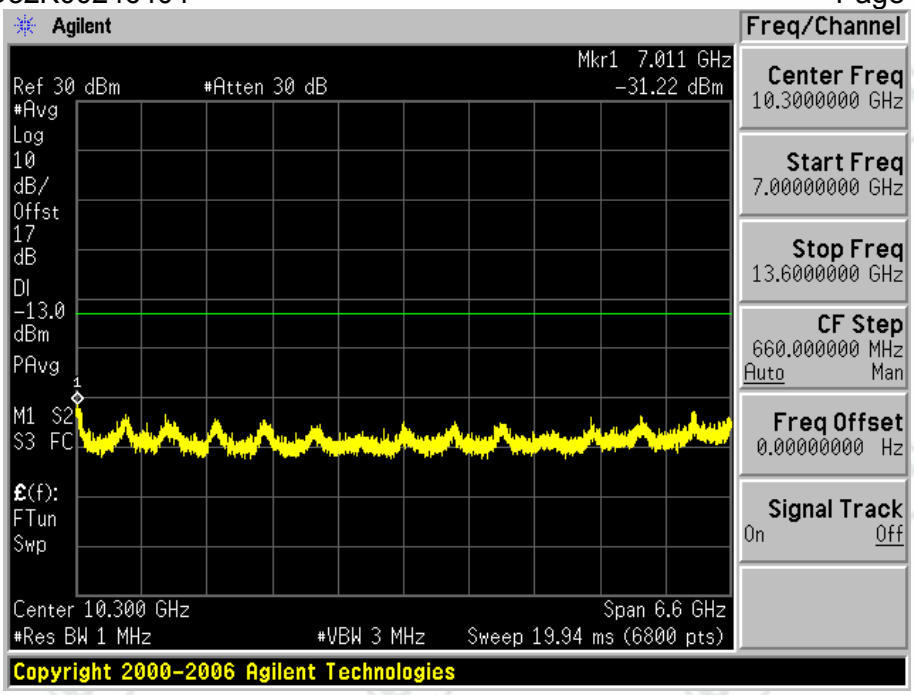
Test Channel=LCH

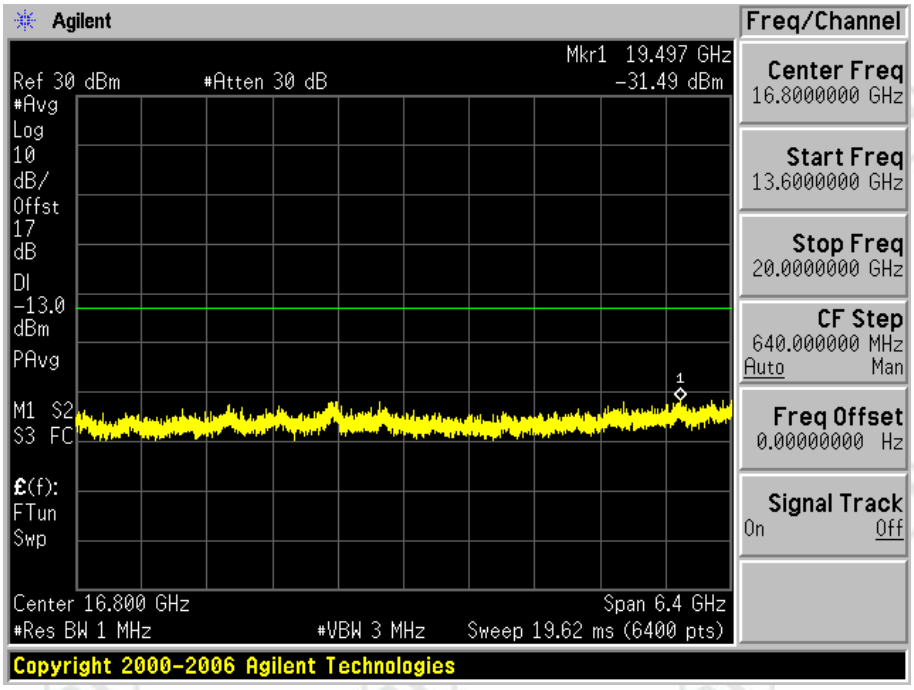




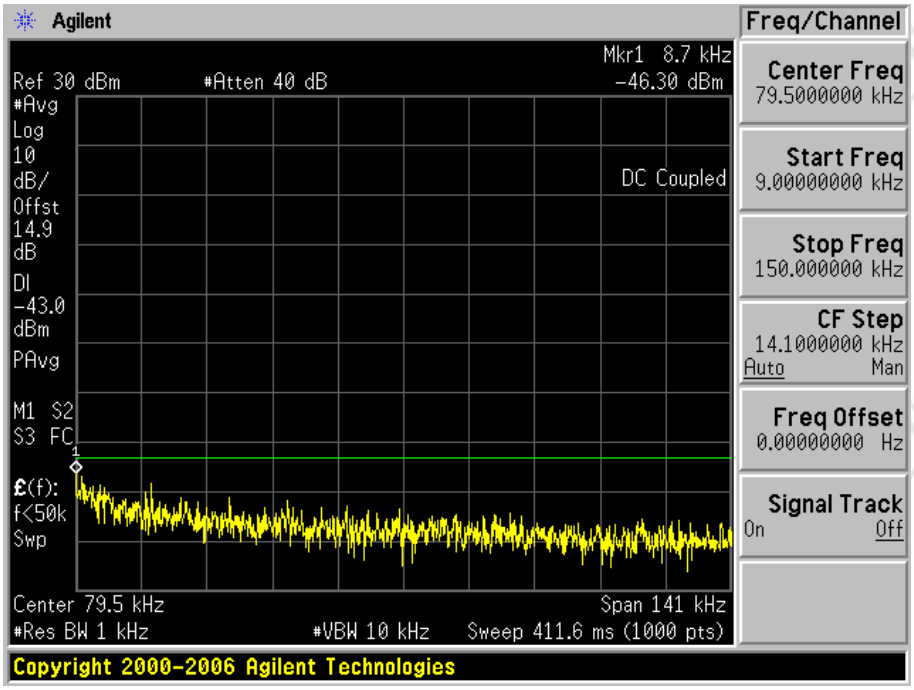

Agilent
Freq/Channel
Mkr1 380.5 MHz
Ref 30 dBm
#Atten 30 dB
-41.96 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

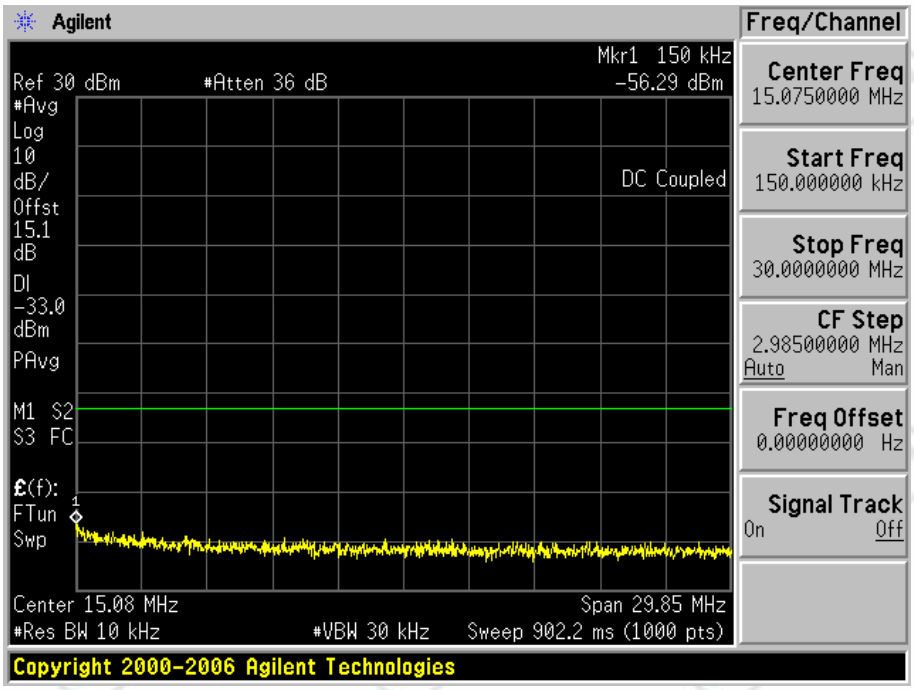

Agilent
Freq/Channel
Mkr2 4.189 GHz
Ref 30 dBm
#Atten 30 dB
-30.82 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

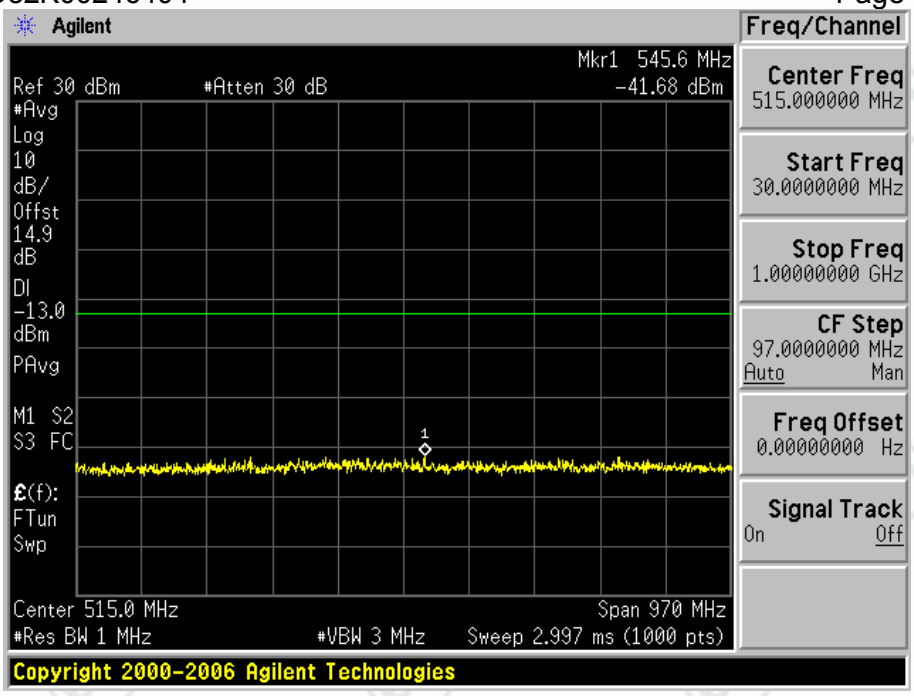

Agilent
Freq/Channel
Mkr1 7.011 GHz
Ref 30 dBm
#Atten 30 dB
-31.22 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

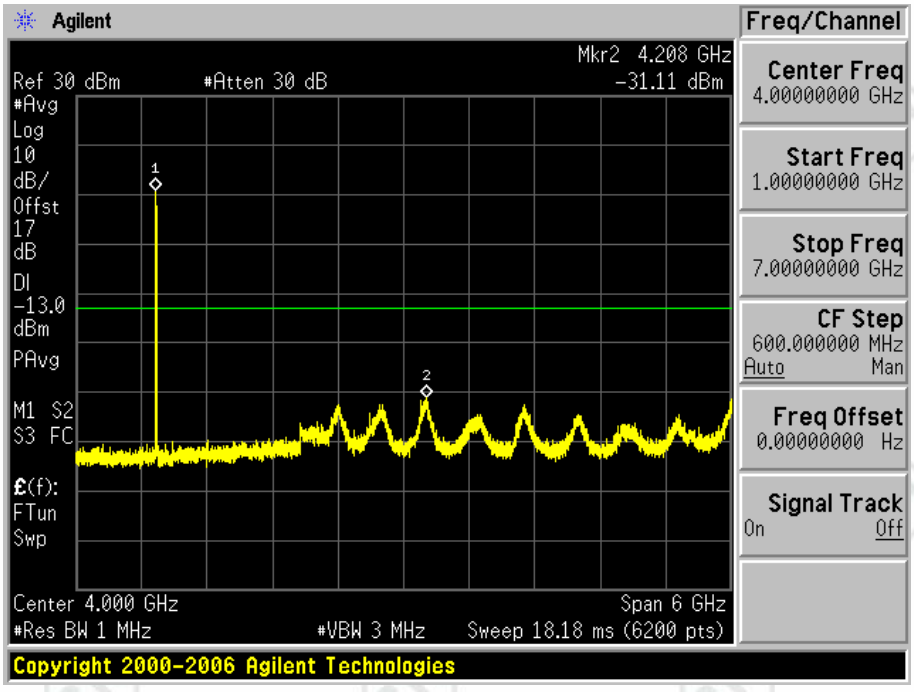

Agilent
Freq/Channel
Mkr1 19.497 GHz
Ref 30 dBm
#Atten 30 dB
-31.49 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

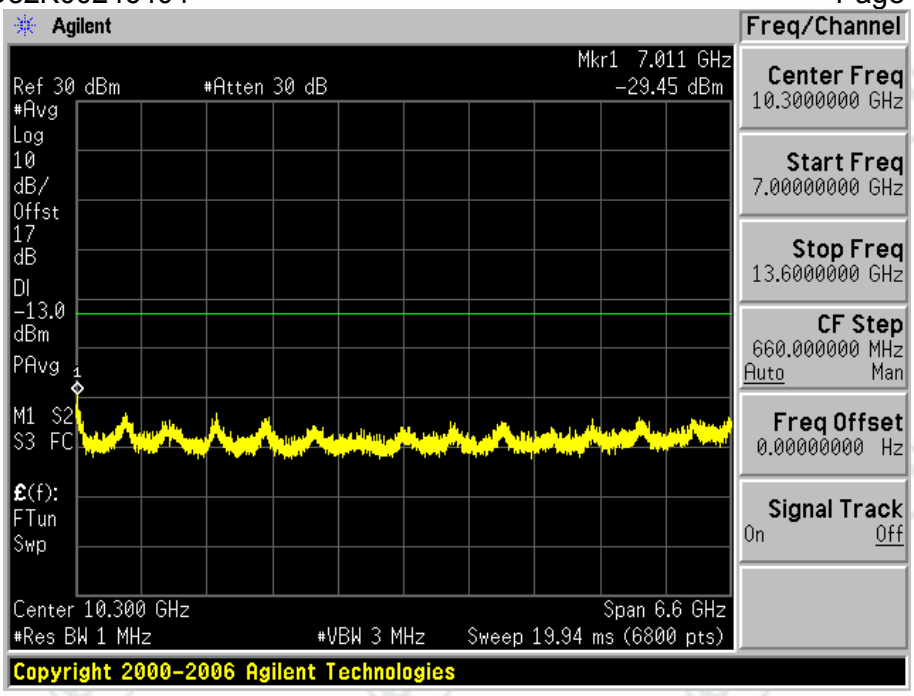
Test Channel=MCH

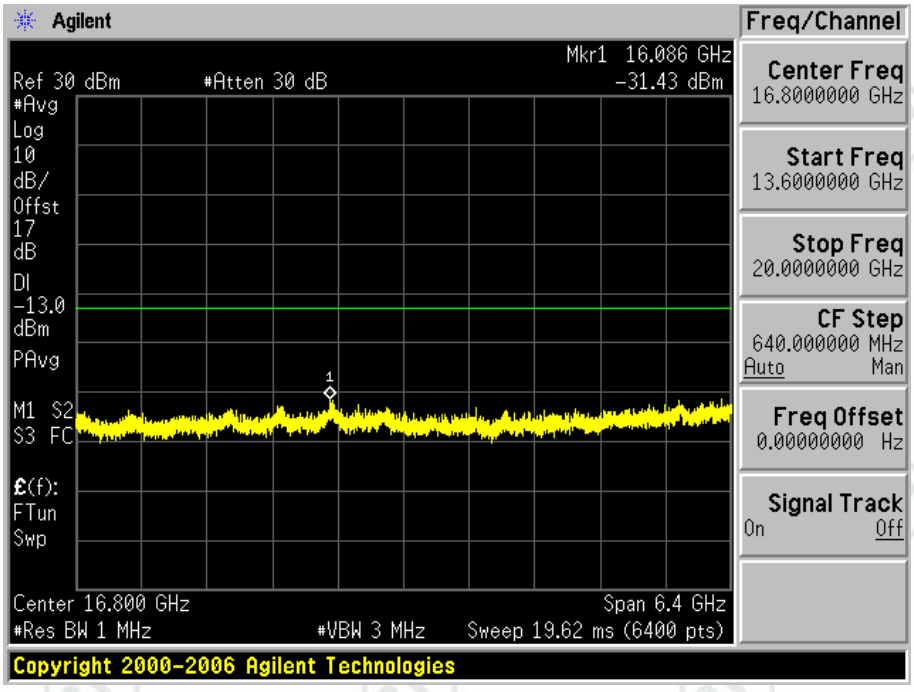




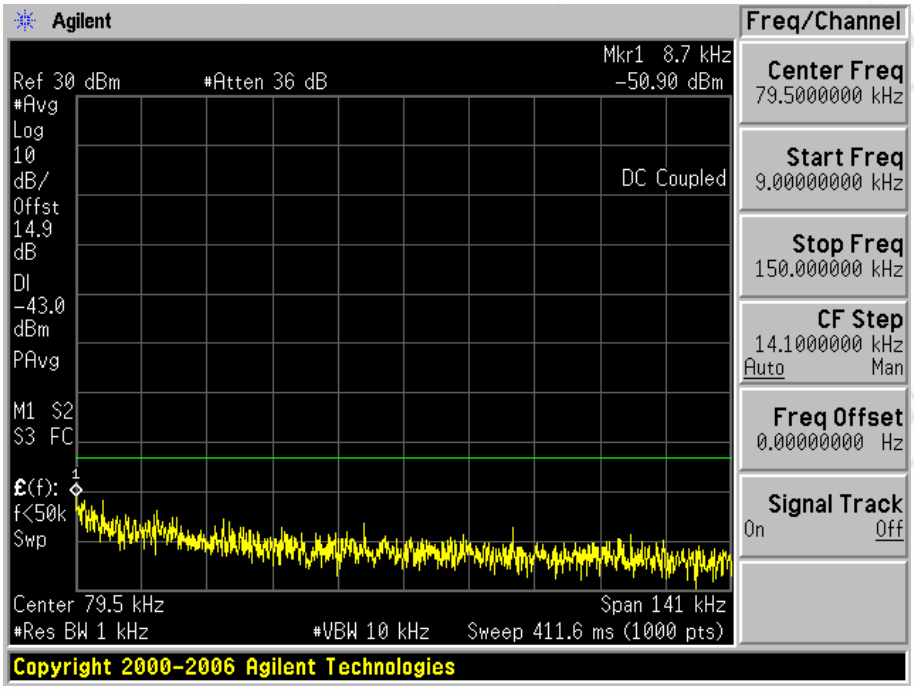

Agilent
Freq/Channel
Mkr1 545.6 MHz
Ref 30 dBm
#Atten 30 dB
-41.68 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

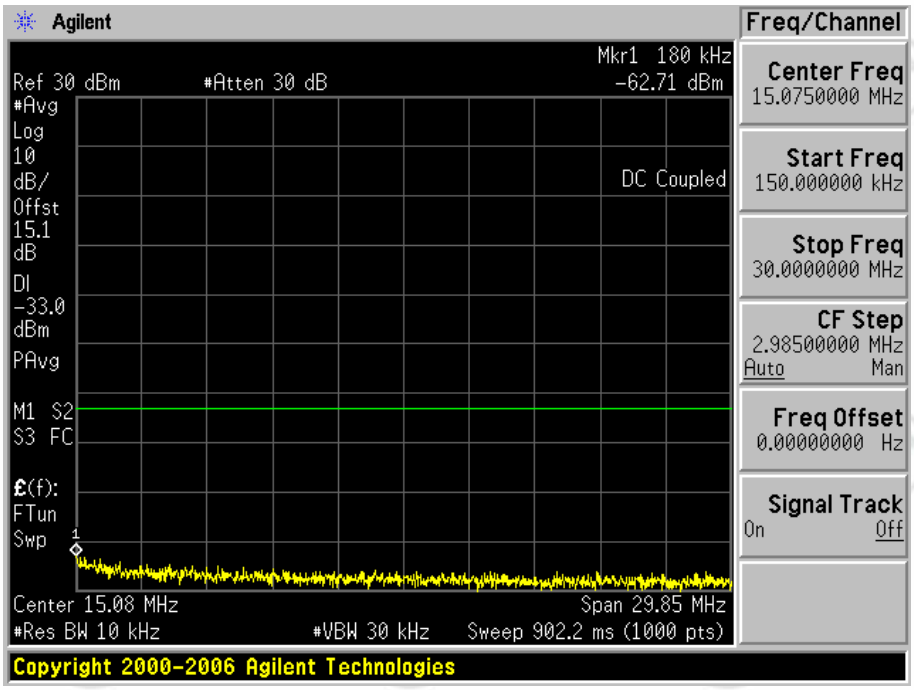

Agilent
Freq/Channel
Mkr2 4.208 GHz
Ref 30 dBm
#Atten 30 dB
-31.11 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

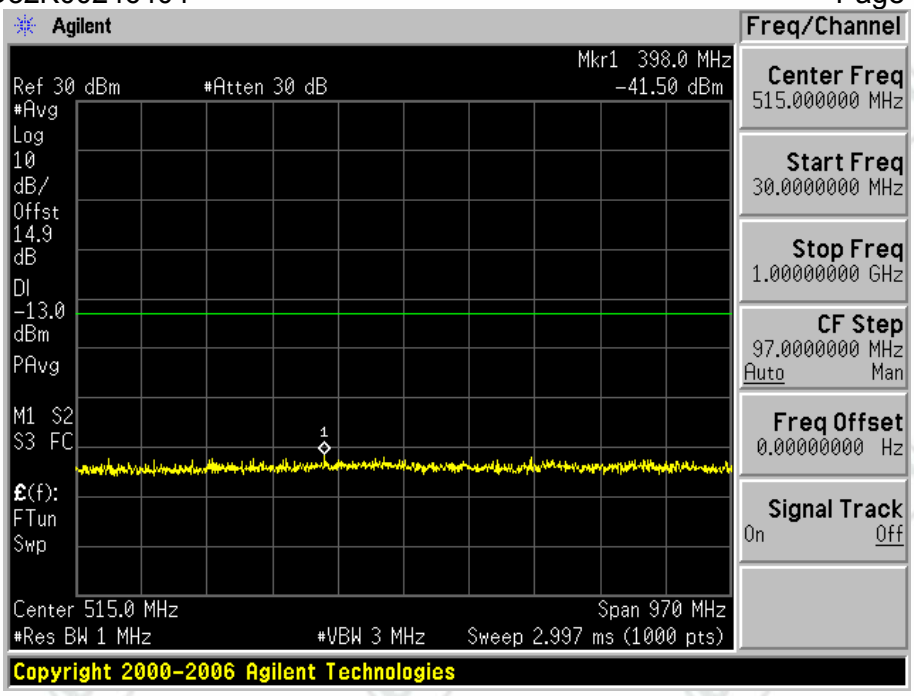

Agilent
Freq/Channel
Mkr1 7.011 GHz
Ref 30 dBm
#Atten 30 dB
-29.45 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

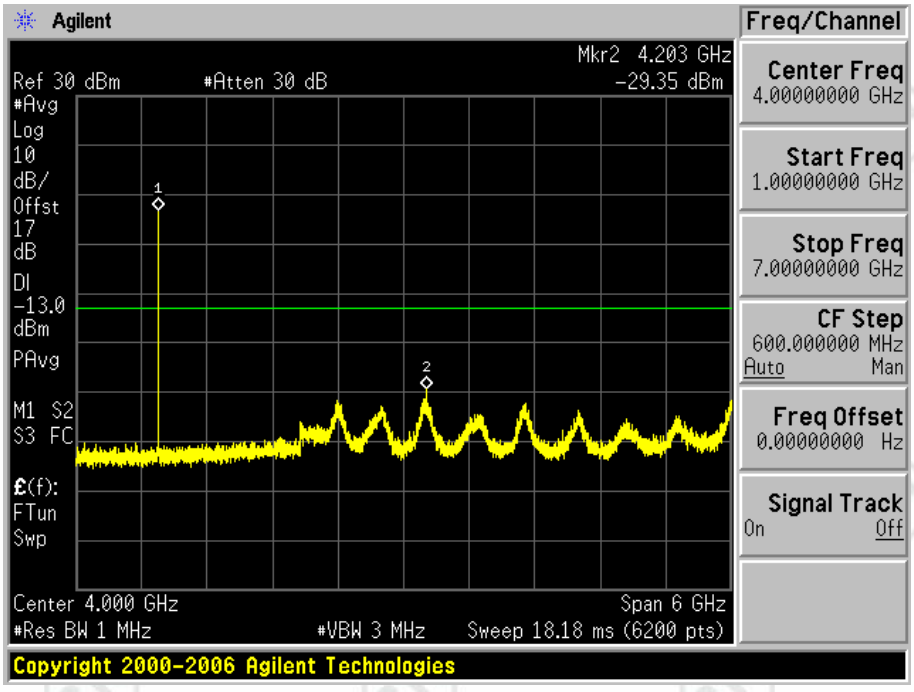

Agilent
Freq/Channel
Mkr1 16.086 GHz
Ref 30 dBm
#Atten 30 dB
-31.43 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

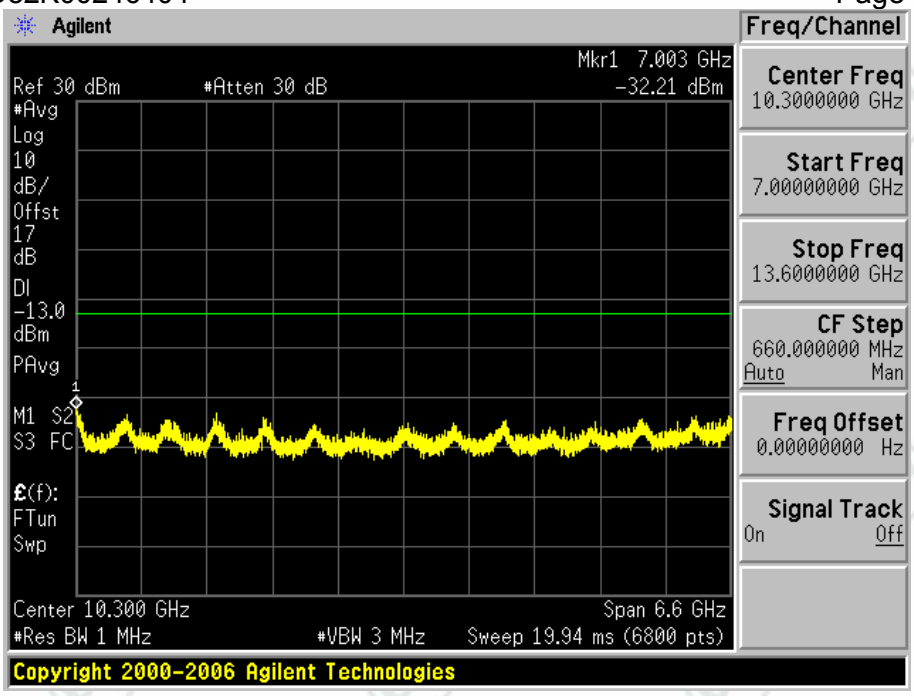
Test Channel=HCH

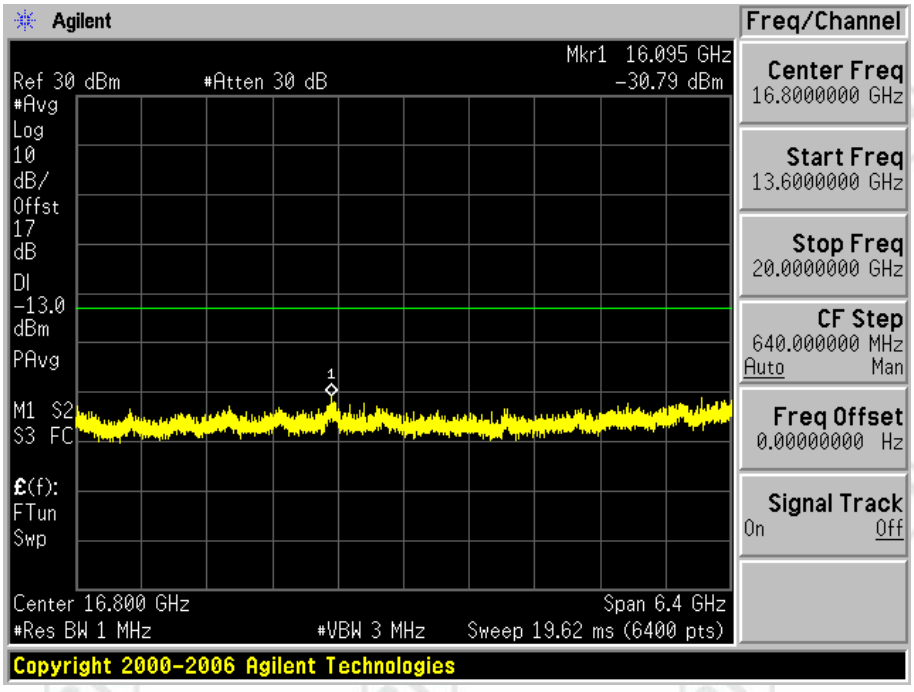





Agilent
Freq/Channel
Mkr1 398.0 MHz
Ref 30 dBm
#Atten 30 dB
-41.50 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

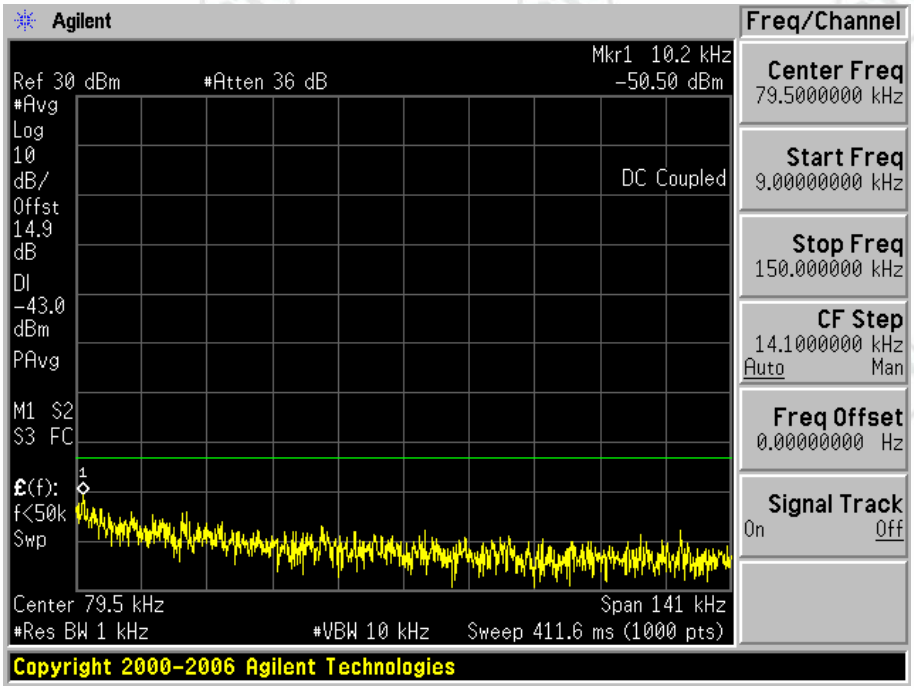

Agilent
Freq/Channel
Mkr2 4.203 GHz
Ref 30 dBm
#Atten 30 dB
-29.35 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

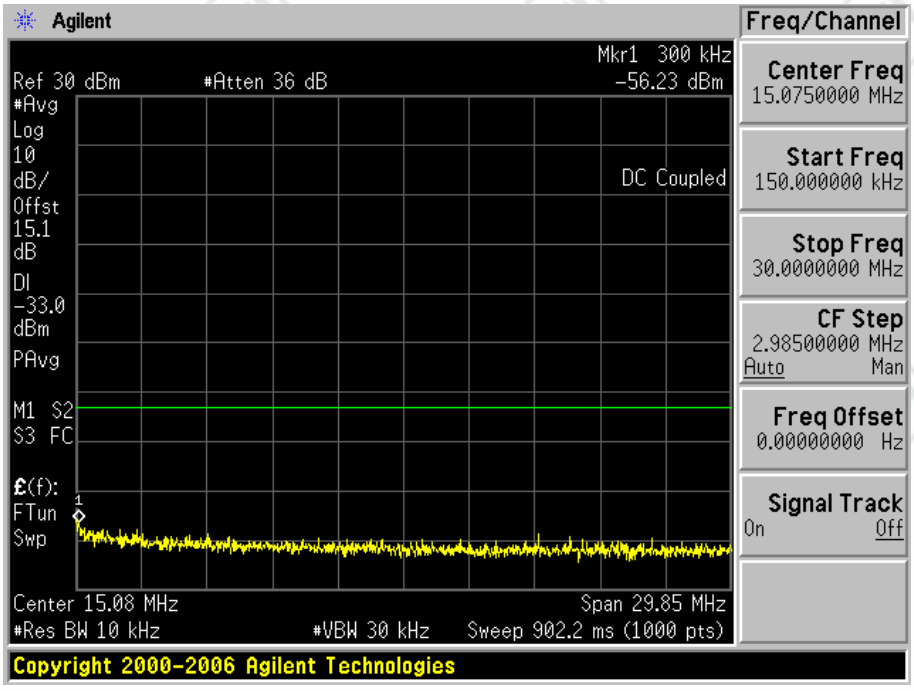

Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-32.21 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

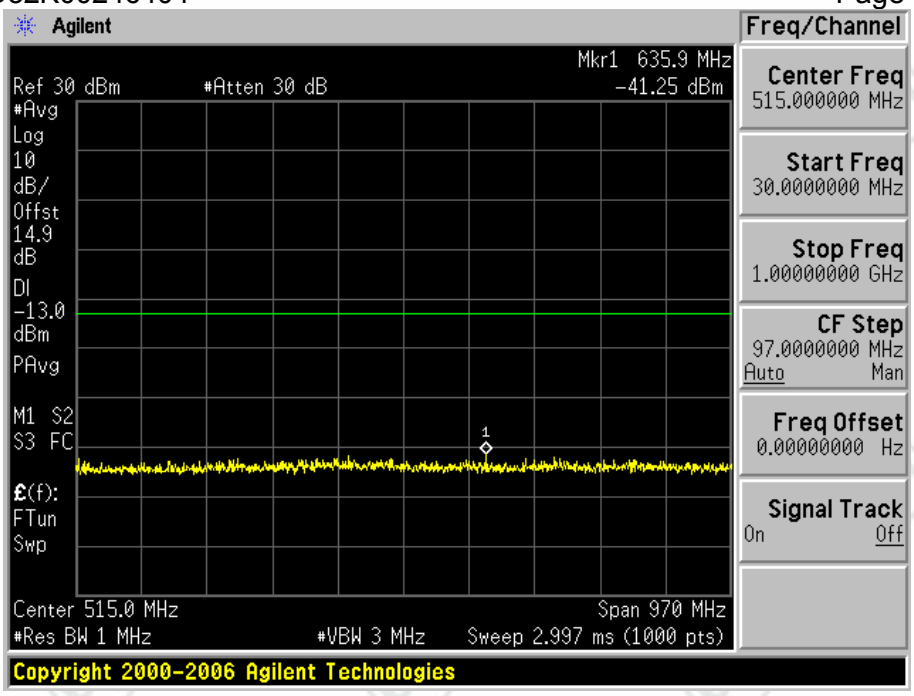

Agilent
Freq/Channel
Mkr1 16.095 GHz
Ref 30 dBm
#Atten 30 dB
-30.79 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

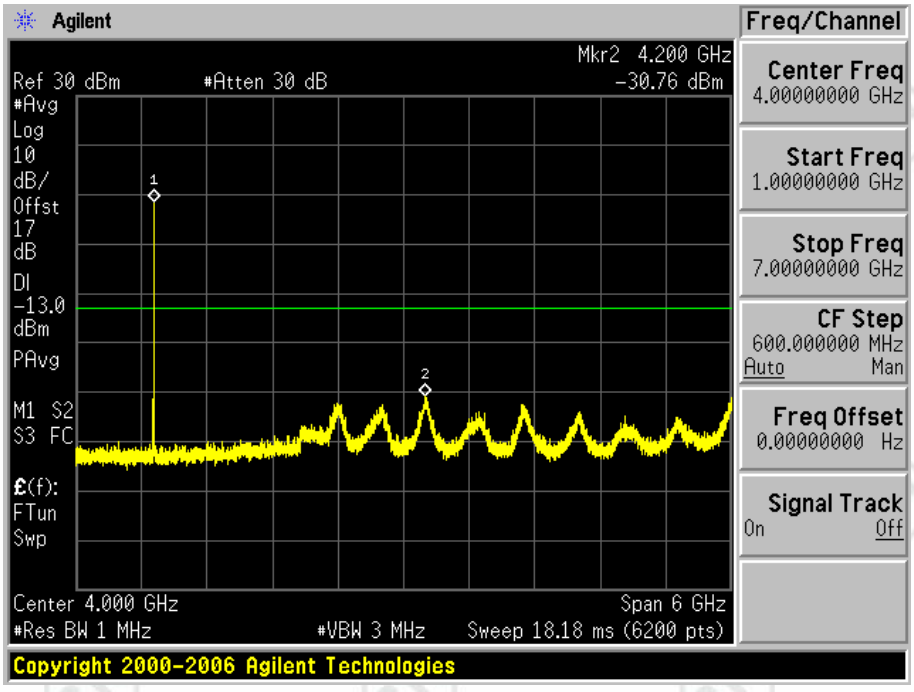
Test Mode=UMTS/TM3

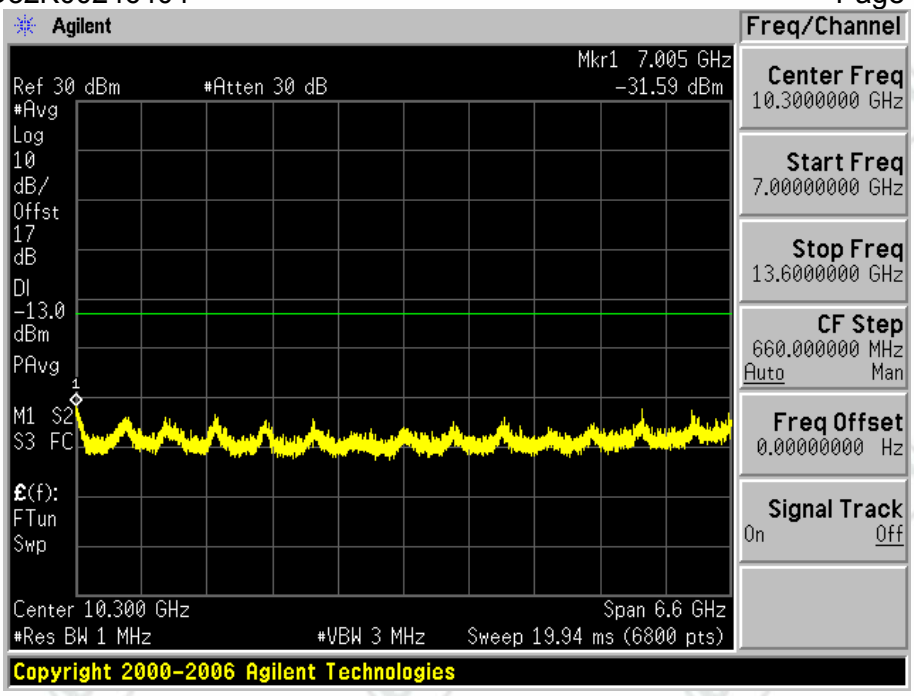
Test Channel=LCH

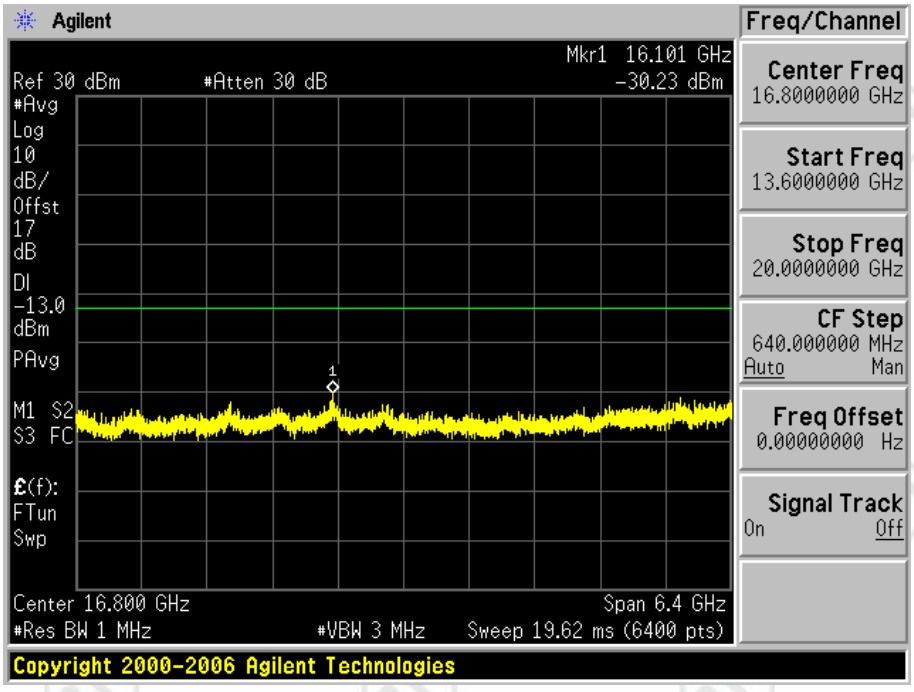




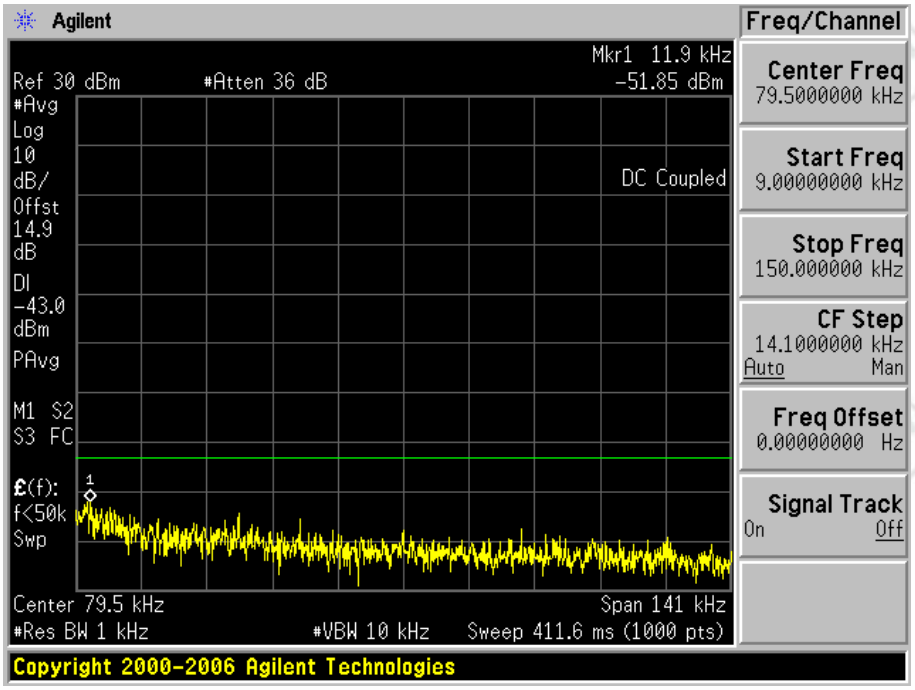

Agilent
Freq/Channel
Mkr1 635.9 MHz
Ref 30 dBm
#Atten 30 dB
-41.25 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

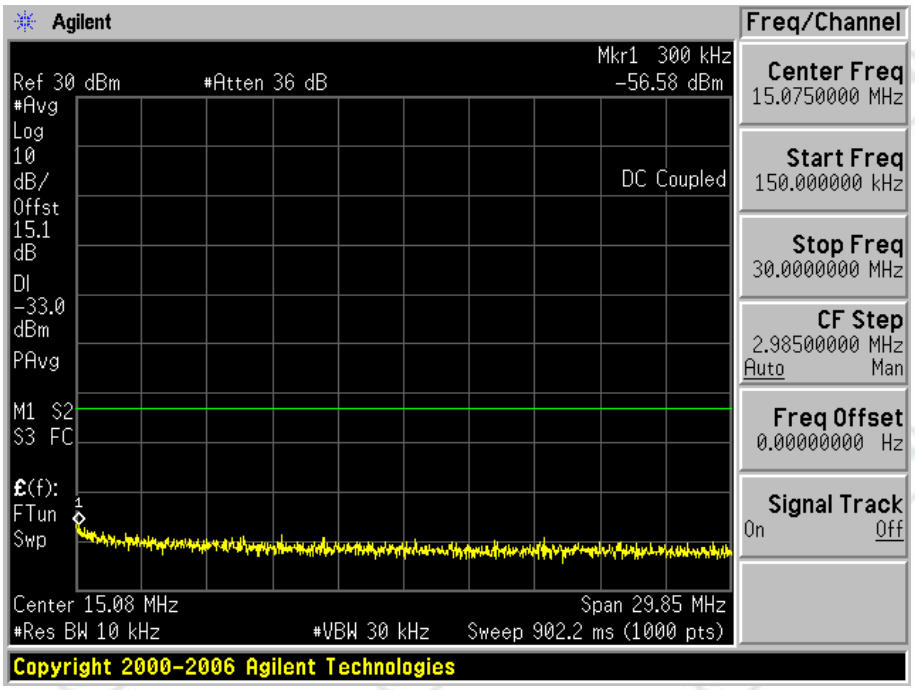

Agilent
Freq/Channel
Mkr2 4.200 GHz
Ref 30 dBm
#Atten 30 dB
-30.76 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

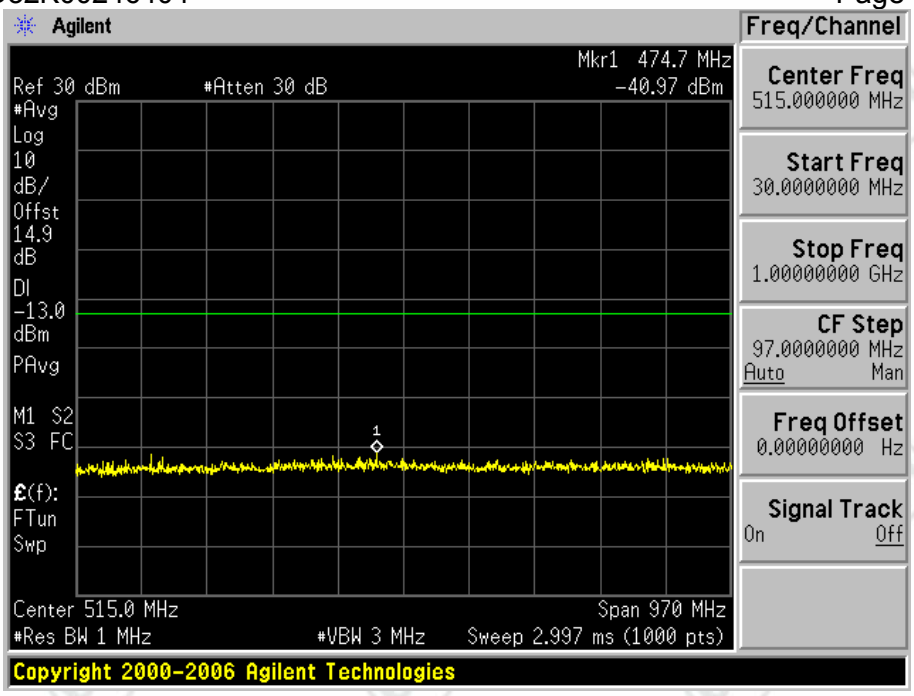

Agilent
Freq/Channel
Mkr1 7.005 GHz
Ref 30 dBm
#Atten 30 dB
-31.59 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

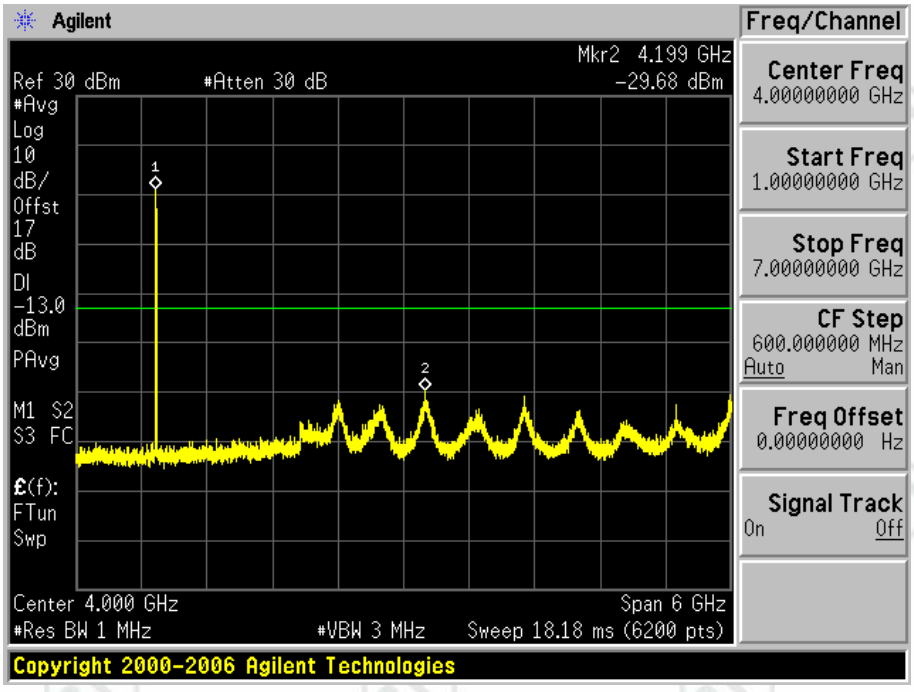

Agilent
Freq/Channel
Mkr1 16.101 GHz
Ref 30 dBm
#Atten 30 dB
-30.23 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

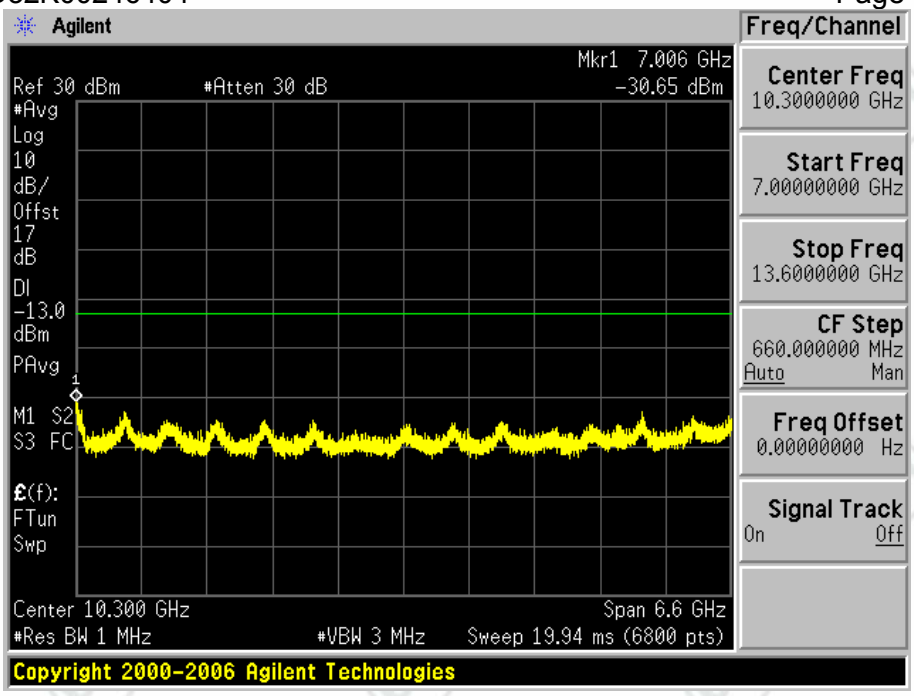
Test Channel=MCH

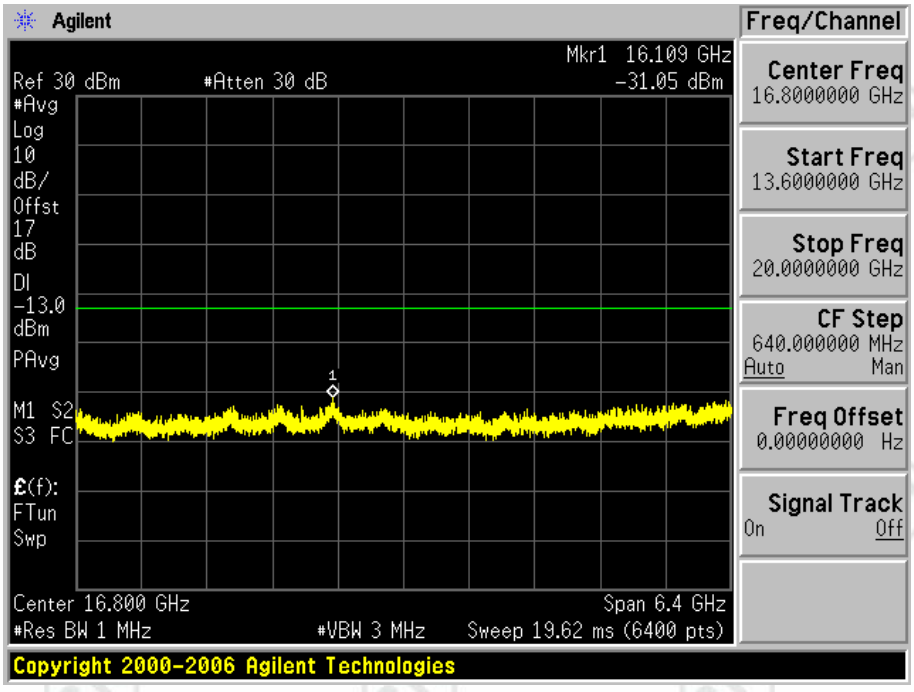




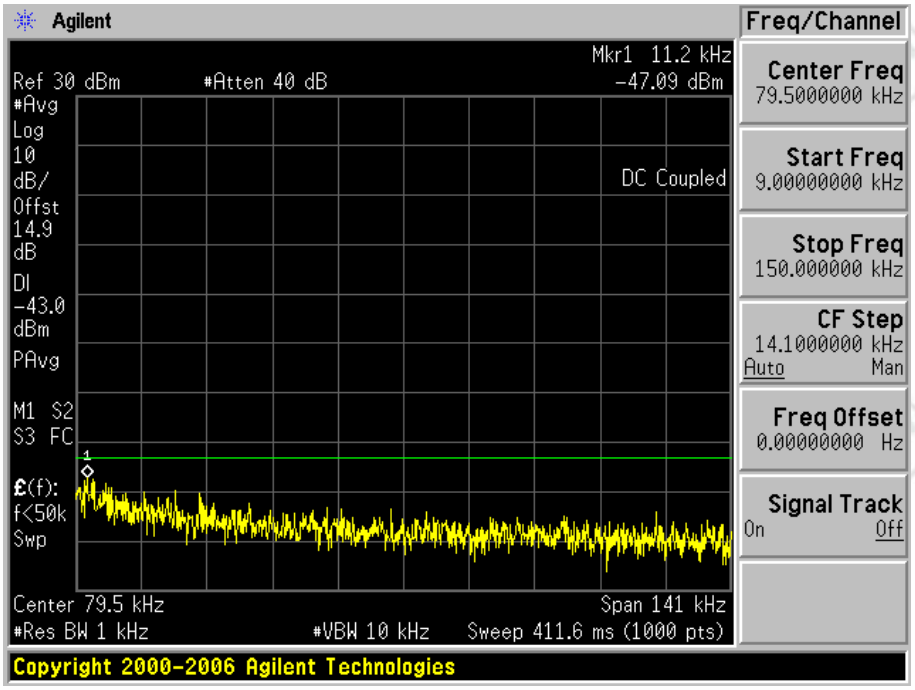

Agilent
Freq/Channel
Mkr1 474.7 MHz
Ref 30 dBm
#Atten 30 dB
-40.97 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

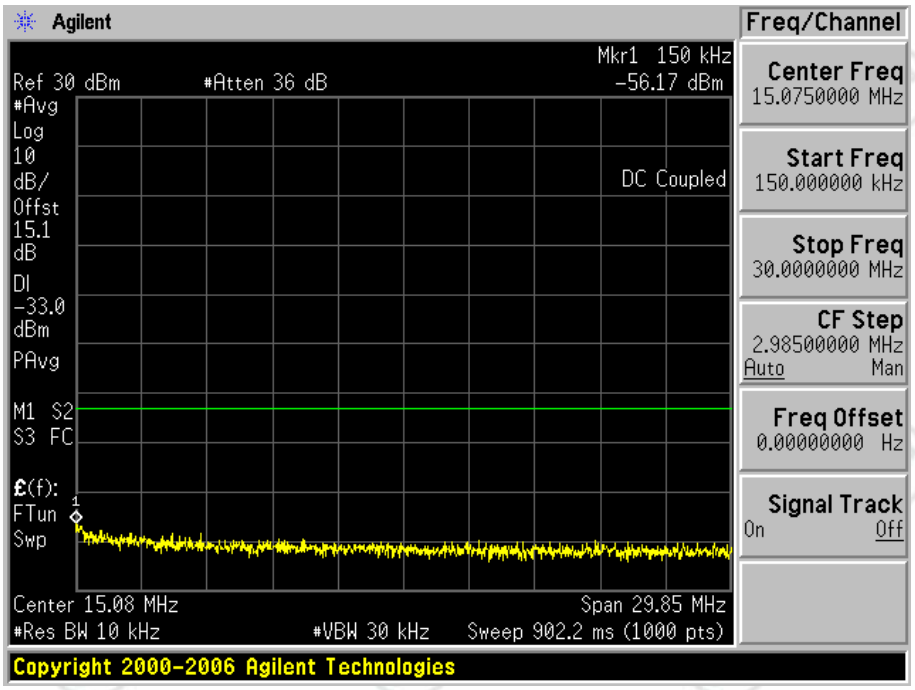

Agilent
Freq/Channel
Mkr2 4.199 GHz
Ref 30 dBm
#Atten 30 dB
-29.68 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

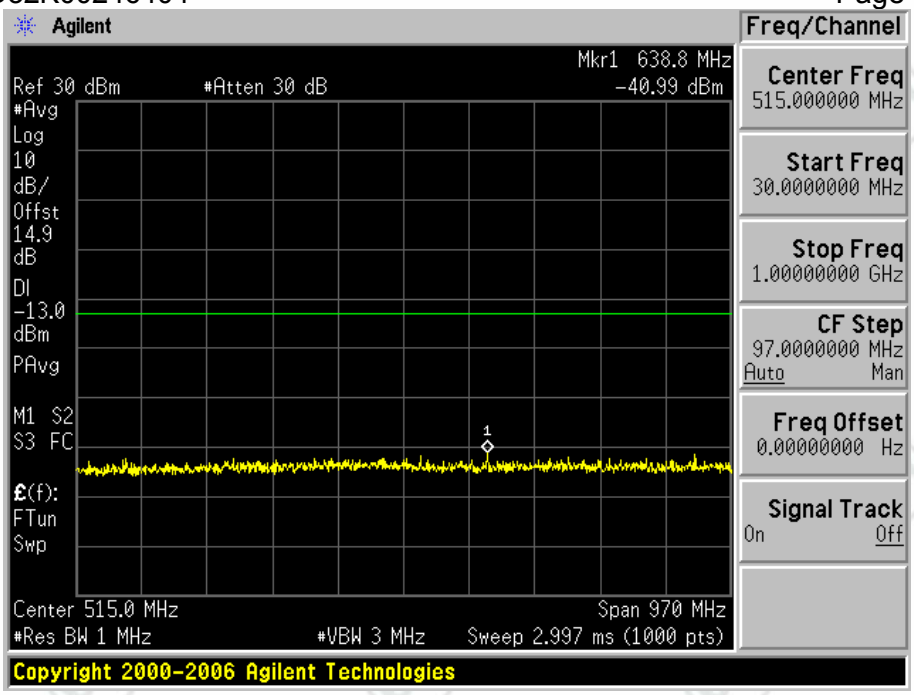

Agilent
Freq/Channel
Mkr1 7.006 GHz
Ref 30 dBm
#Atten 30 dB
-30.65 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

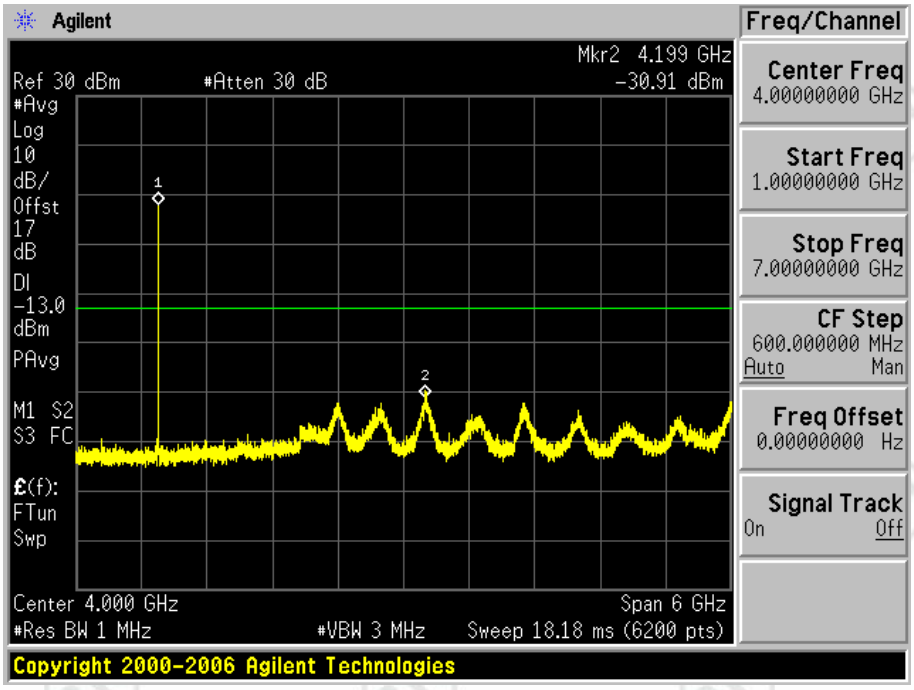

Agilent
Freq/Channel
Mkr1 16.109 GHz
Ref 30 dBm
#Atten 30 dB
-31.05 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

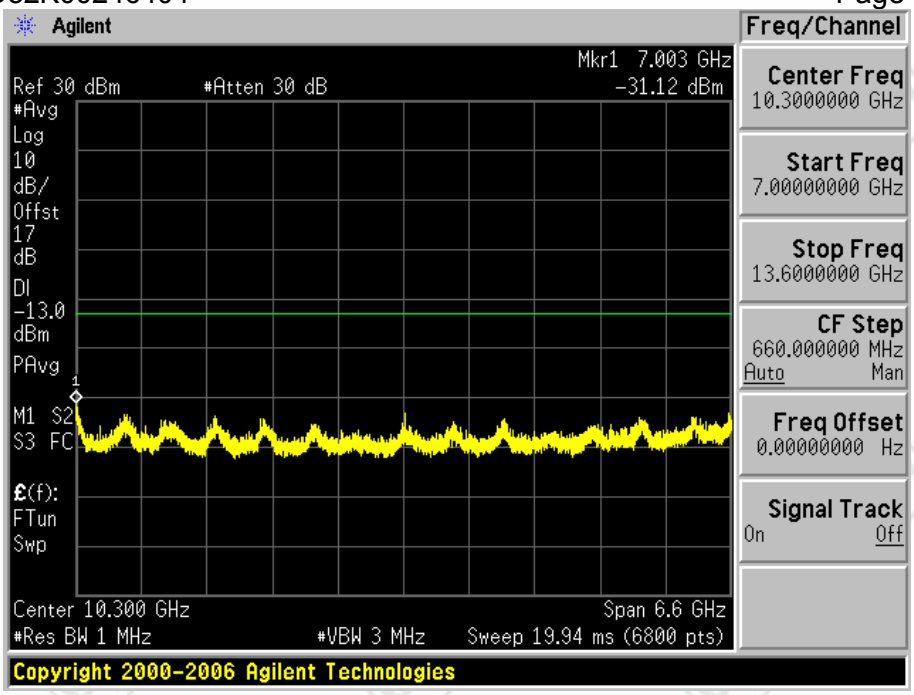
Test Channel=HCH

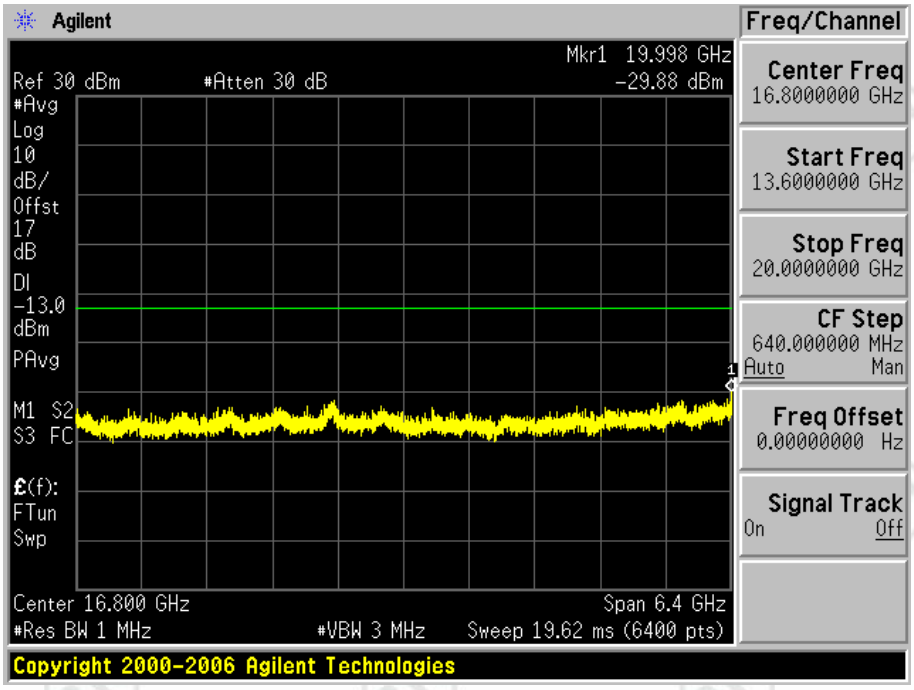





Agilent
Freq/Channel
Mkr1 638.8 MHz
Ref 30 dBm
#Atten 30 dB
-40.99 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr2 4.199 GHz
Ref 30 dBm
#Atten 30 dB
-30.91 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

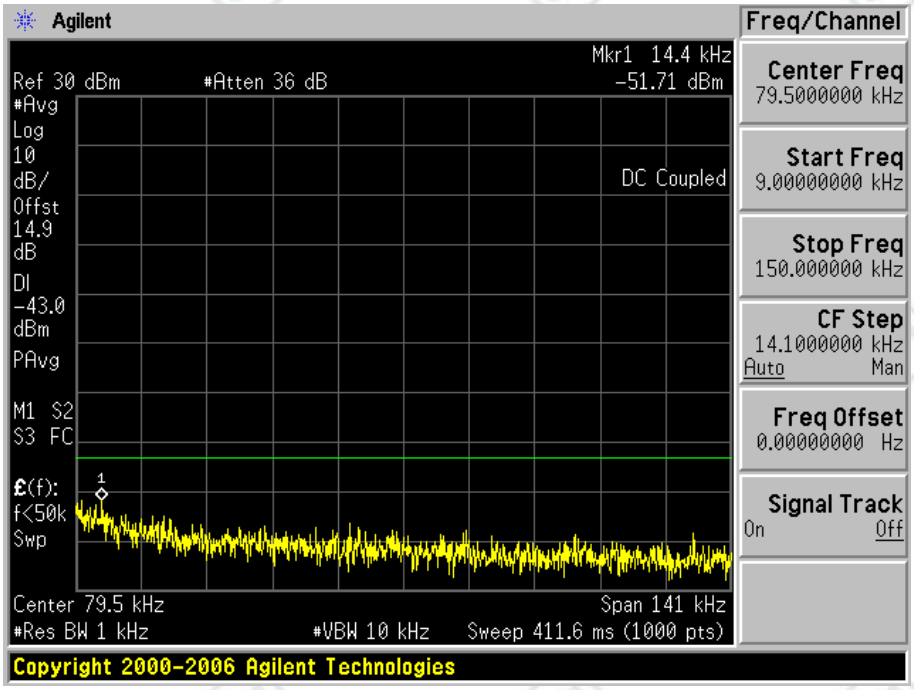

Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-31.12 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

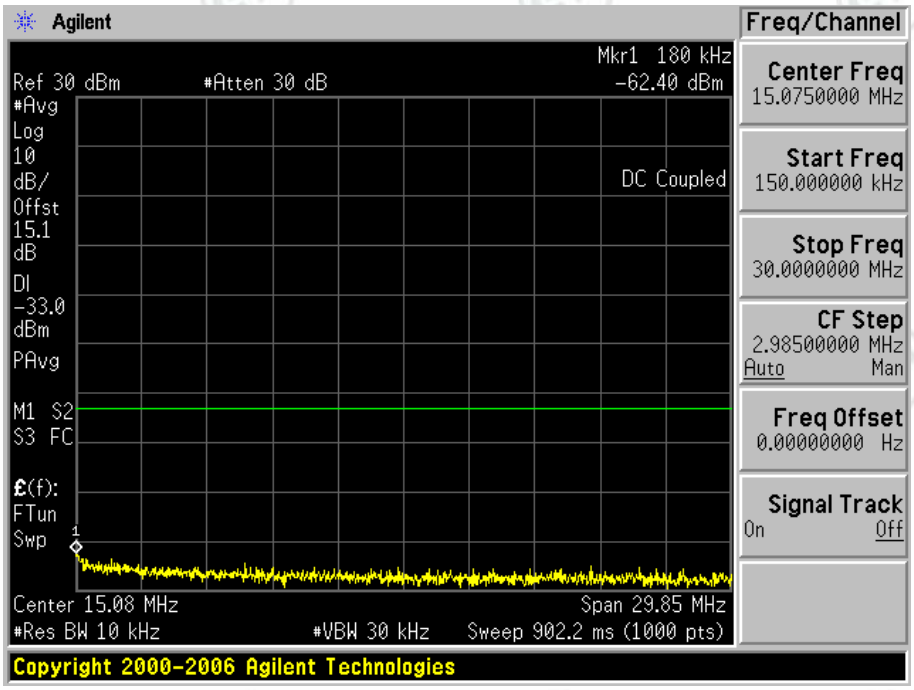

Agilent
Freq/Channel
Mkr1 19.998 GHz
Ref 30 dBm
#Atten 30 dB
-29.88 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

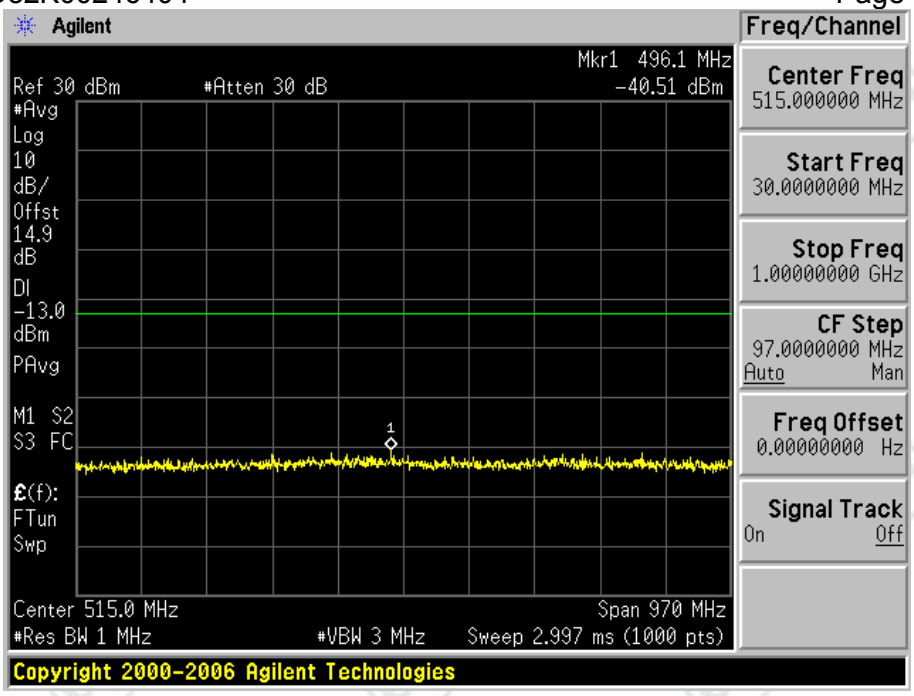
Test Band=WCDMA1900

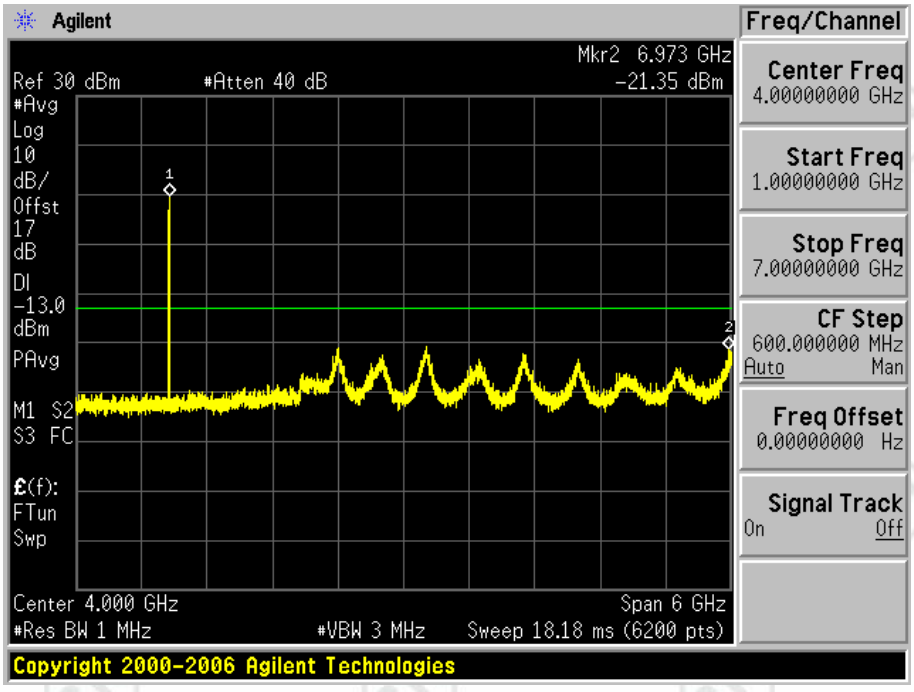
Test Mode=UMTS/TM1

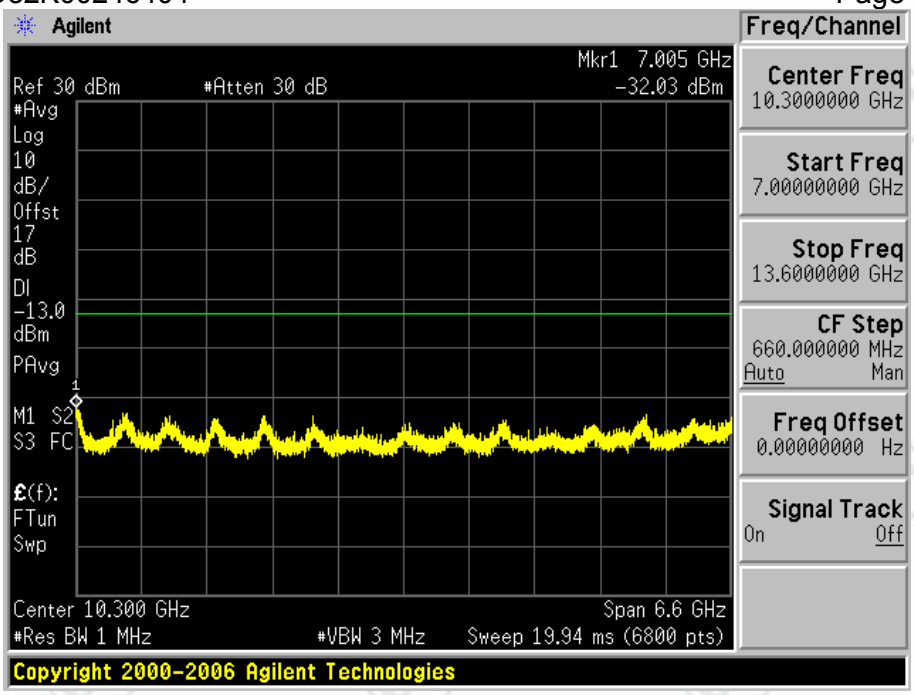
Test Channel=LCH

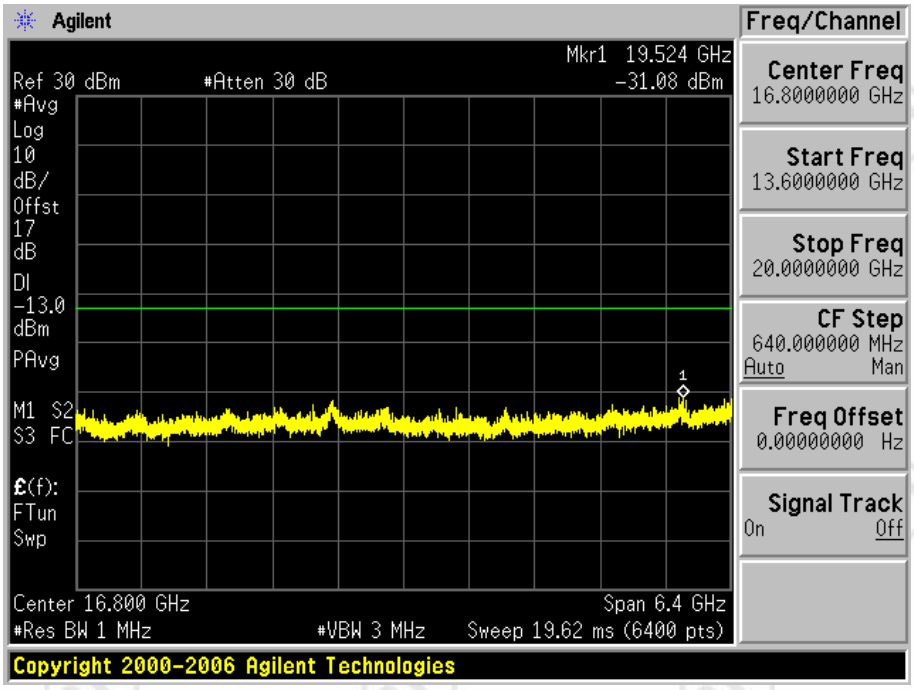




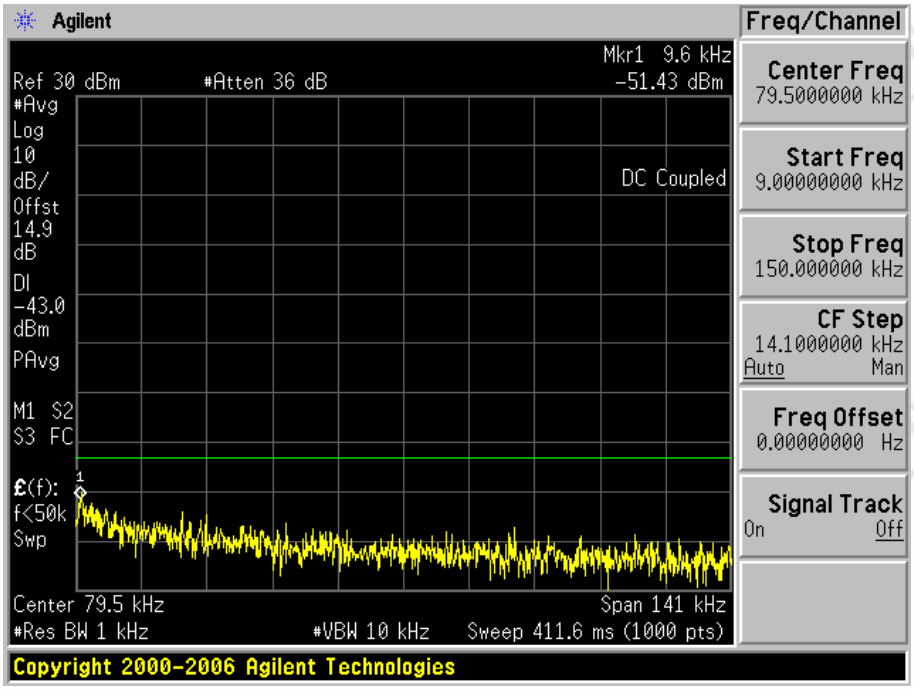

Agilent
Freq/Channel
Mkr1 496.1 MHz
Ref 30 dBm
#Atten 30 dB
-40.51 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

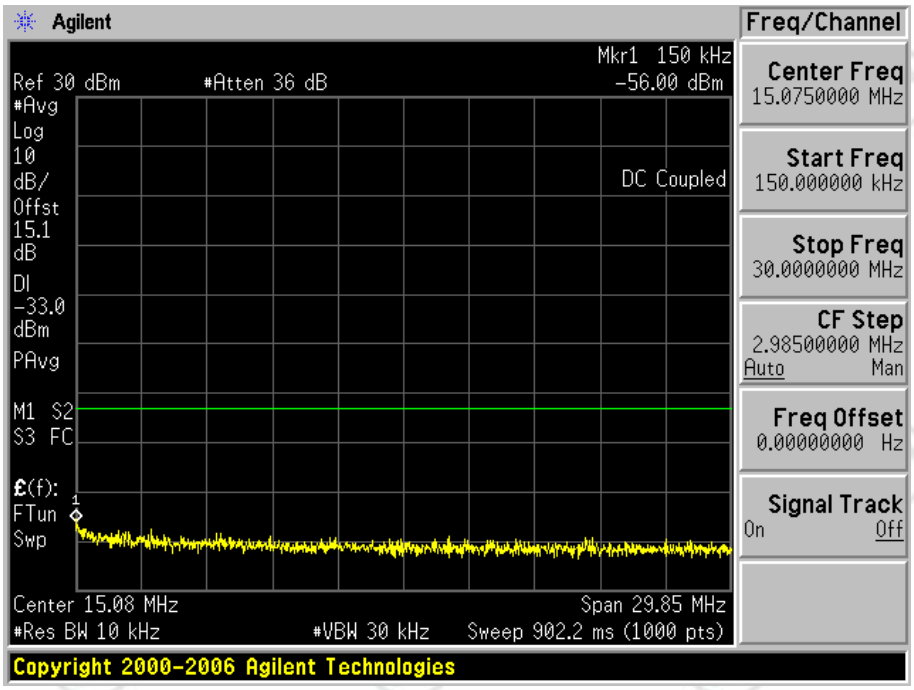

Agilent
Freq/Channel
Mkr2 6.973 GHz
Ref 30 dBm
#Atten 40 dB
-21.35 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

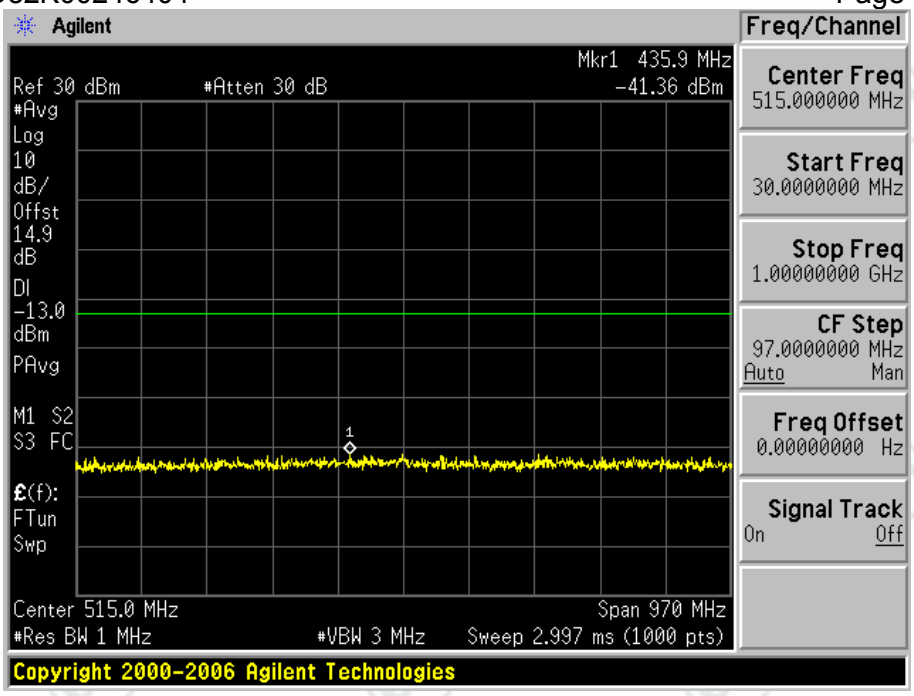

Agilent
Freq/Channel
Mkr1 7.005 GHz
Ref 30 dBm
#Atten 30 dB
-32.03 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

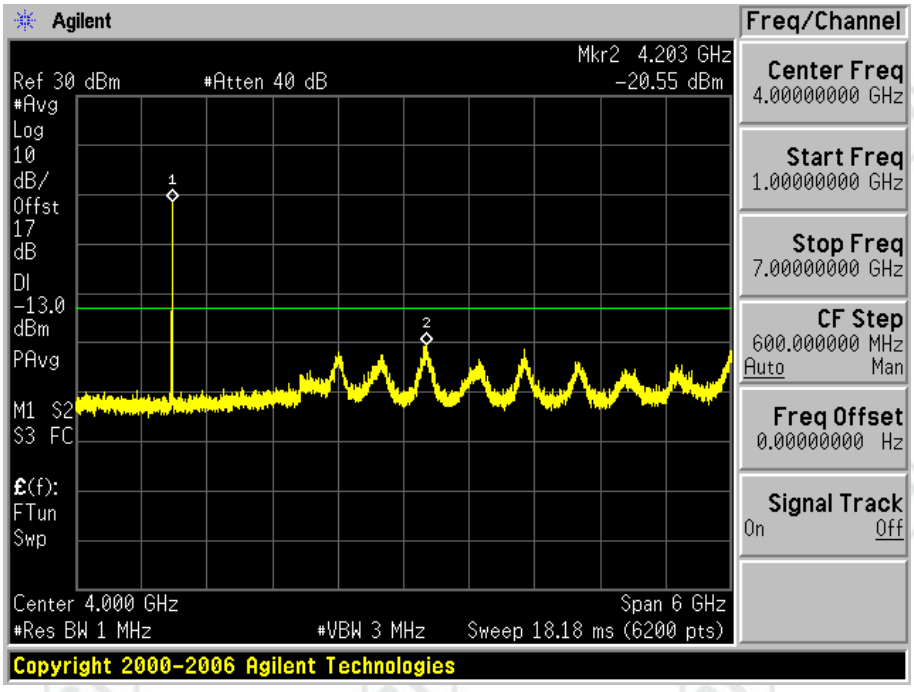

Agilent
Freq/Channel
Mkr1 19.524 GHz
Ref 30 dBm
#Atten 30 dB
-31.08 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

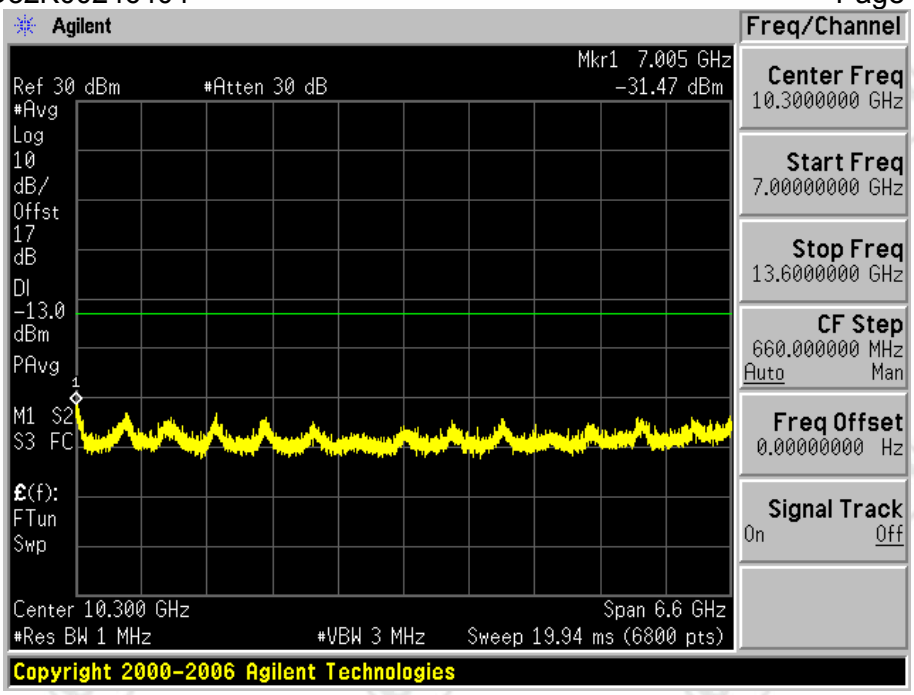
Test Channel=MCH

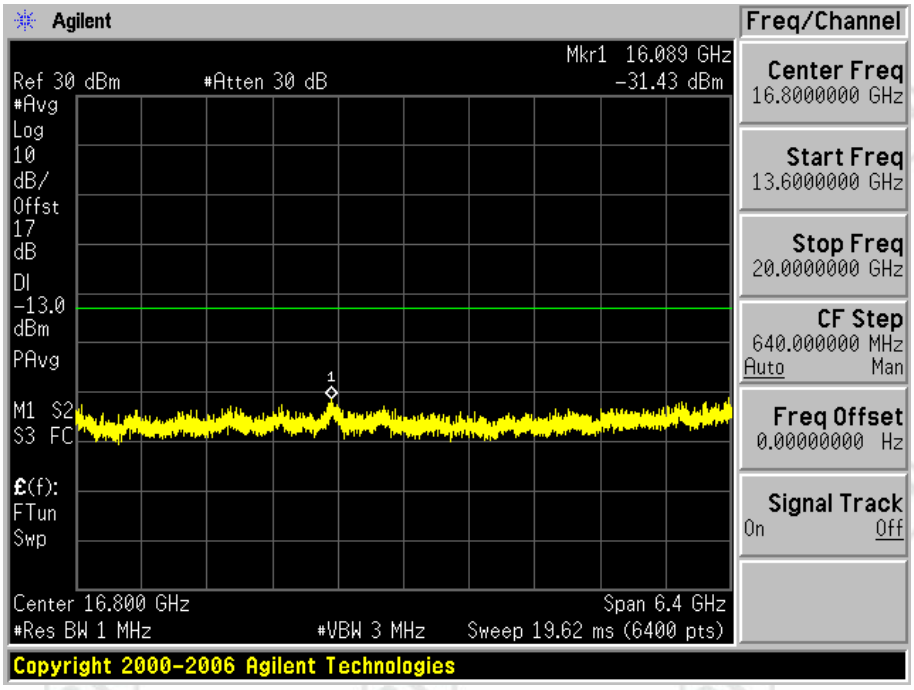




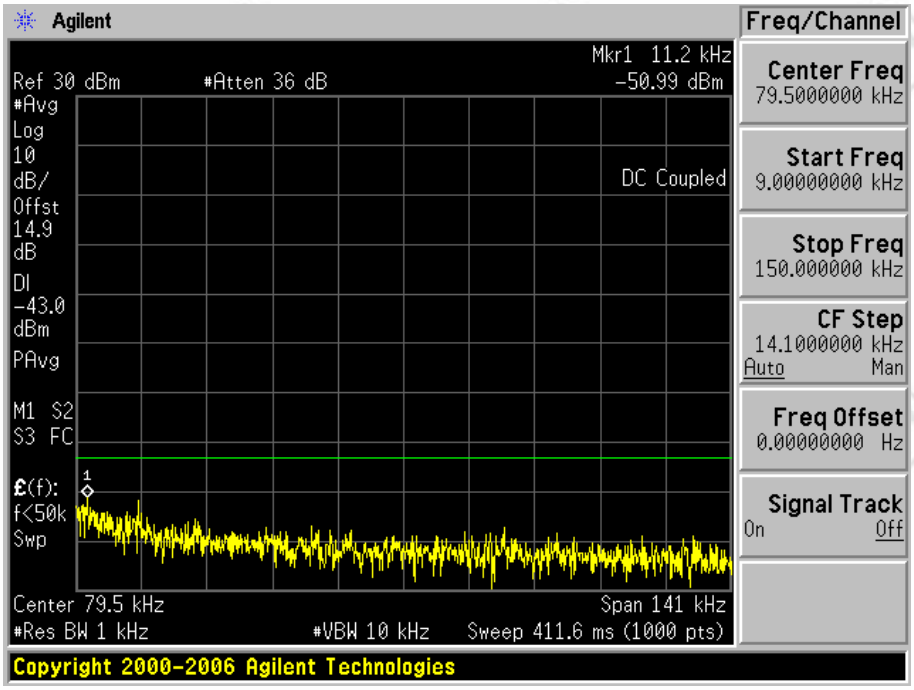

Agilent
Freq/Channel
Mkr1 435.9 MHz
Ref 30 dBm
#Atten 30 dB
-41.36 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

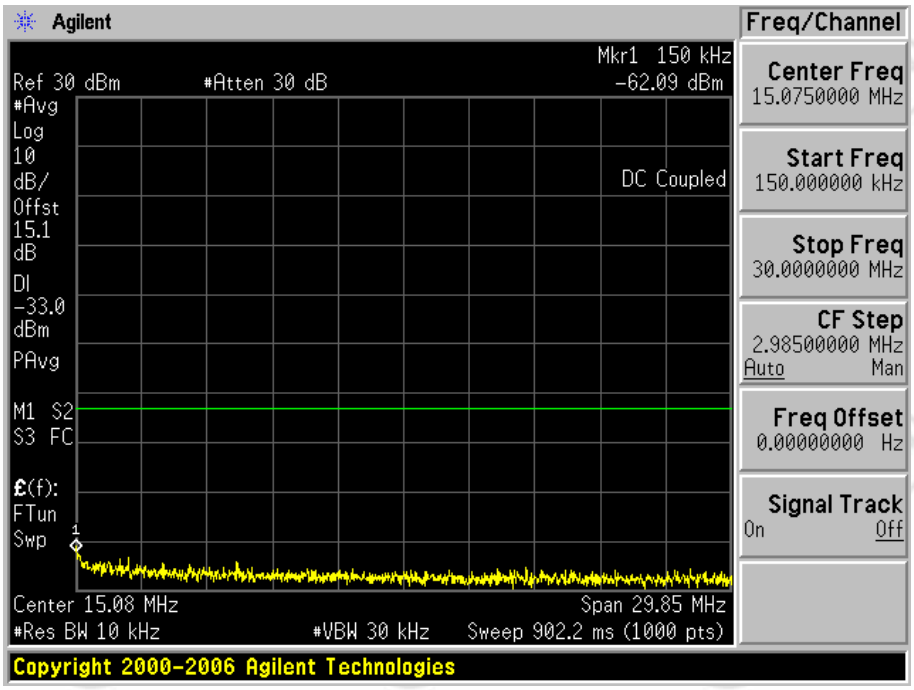

Agilent
Freq/Channel
Mkr2 4.203 GHz
Ref 30 dBm
#Atten 40 dB
-20.55 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

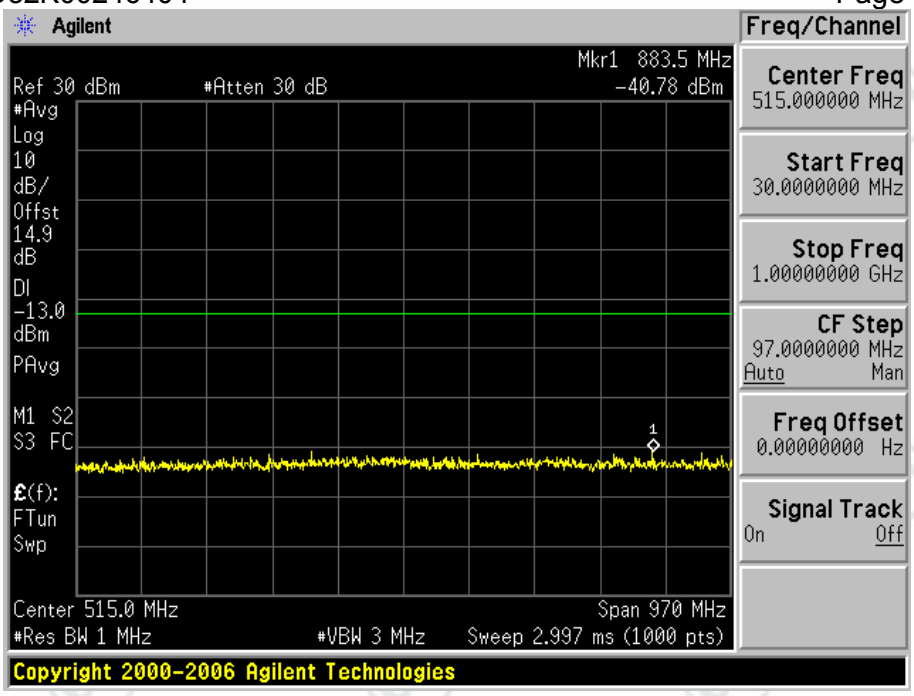

Agilent
Freq/Channel
Mkr1 7.005 GHz
Ref 30 dBm
#Atten 30 dB
-31.47 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

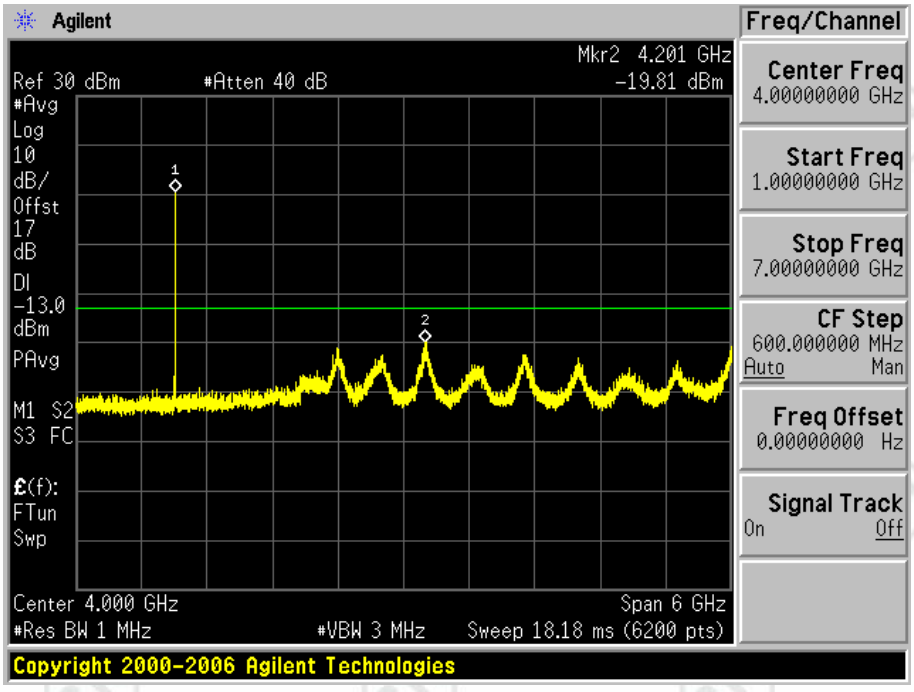

Agilent
Freq/Channel
Mkr1 16.089 GHz
Ref 30 dBm
#Atten 30 dB
-31.43 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

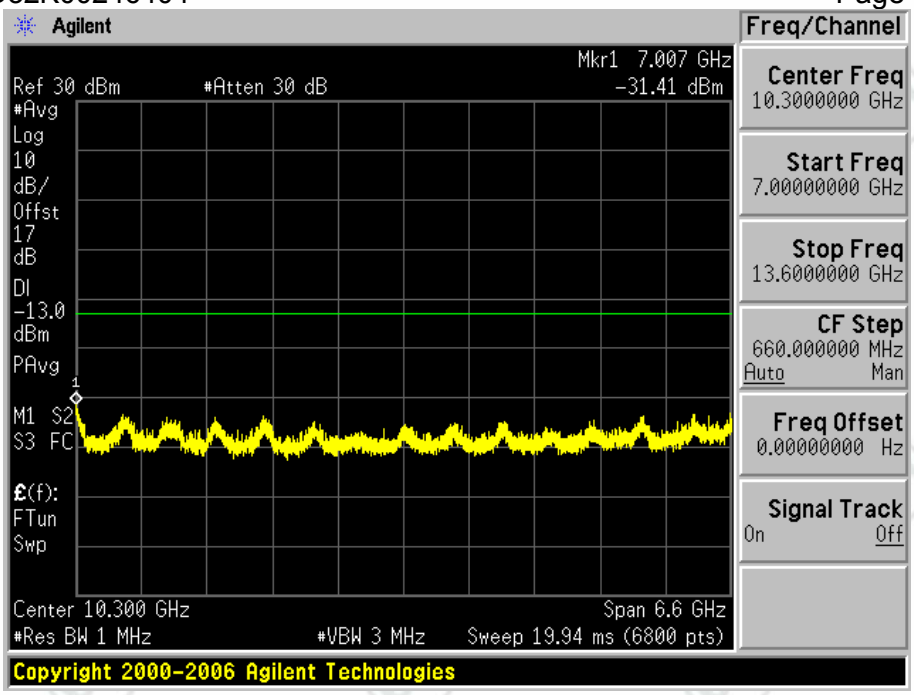
Test Channel=HCH

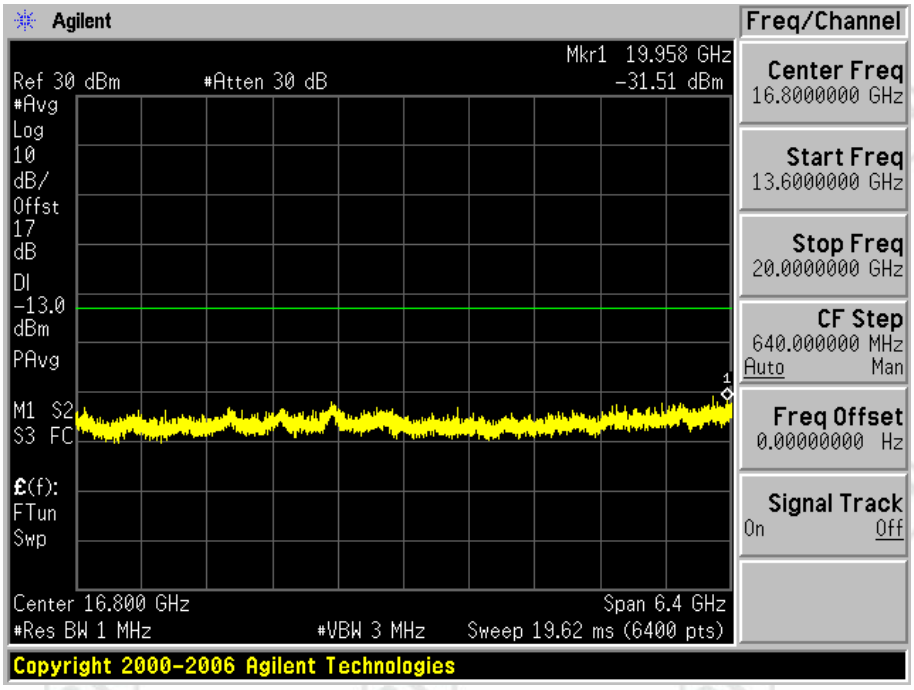





Agilent
Freq/Channel
Mkr1 883.5 MHz
Ref 30 dBm
#Atten 30 dB
-40.78 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

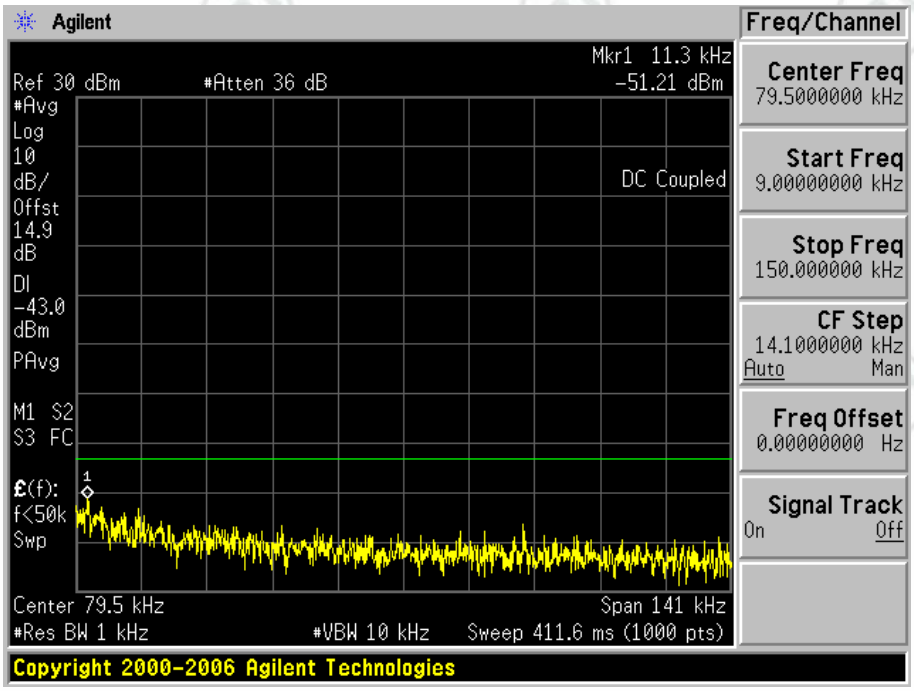

Agilent
Freq/Channel
Mkr2 4.201 GHz
Ref 30 dBm
#Atten 40 dB
-19.81 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

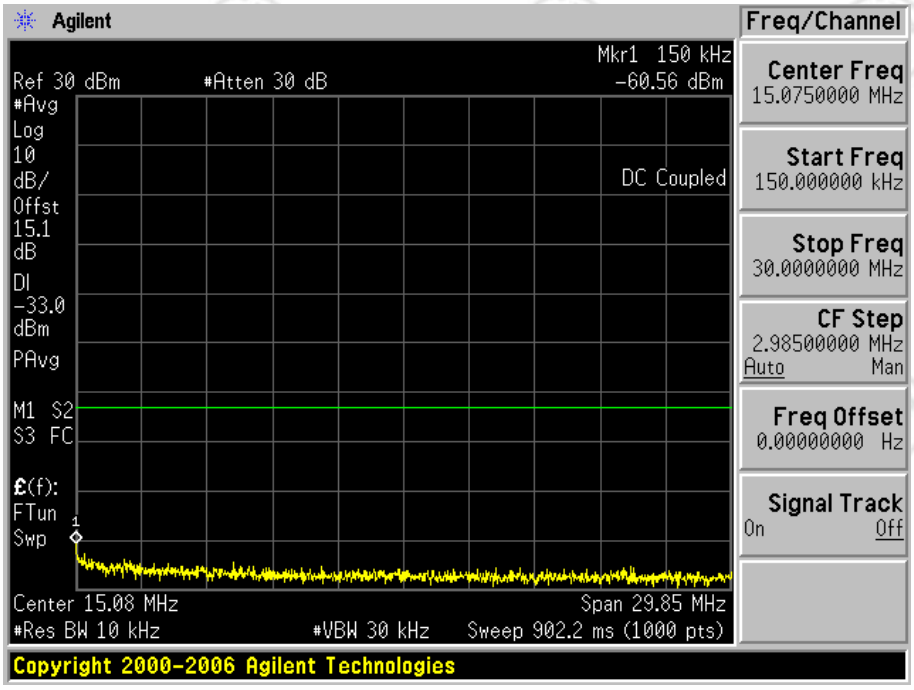

Agilent
Freq/Channel
Mkr1 7.007 GHz
Ref 30 dBm
#Atten 30 dB
-31.41 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

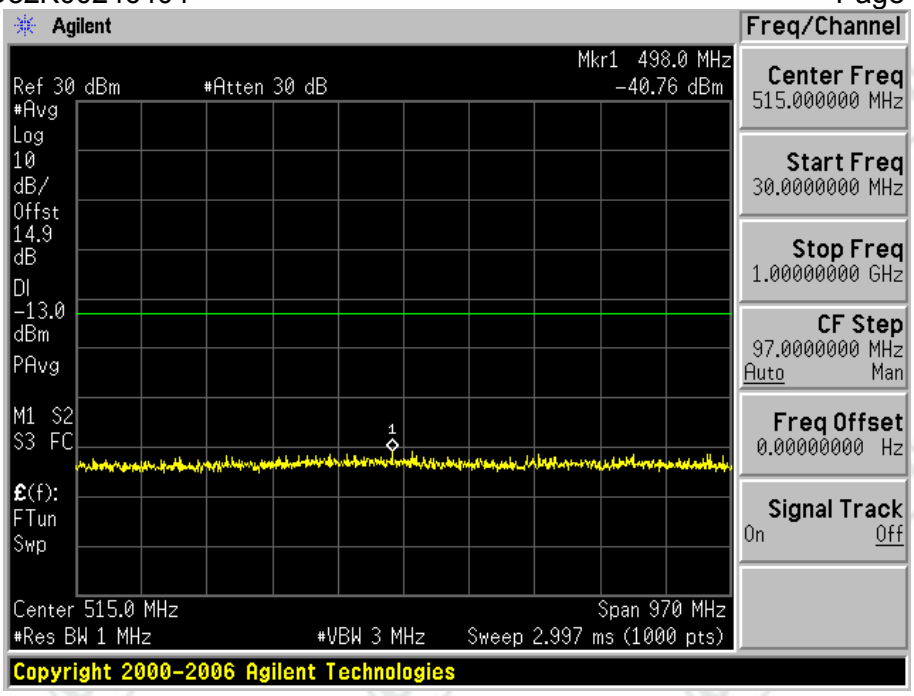

Agilent
Freq/Channel
Mkr1 19.958 GHz
Ref 30 dBm
#Atten 30 dB
-31.51 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

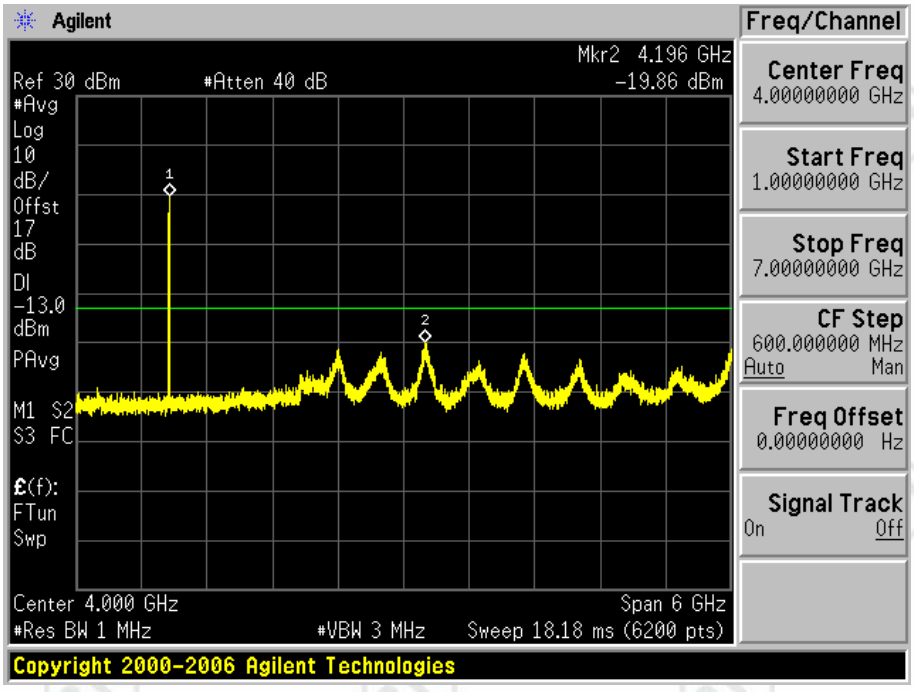
Test Mode=UMTS/TM2

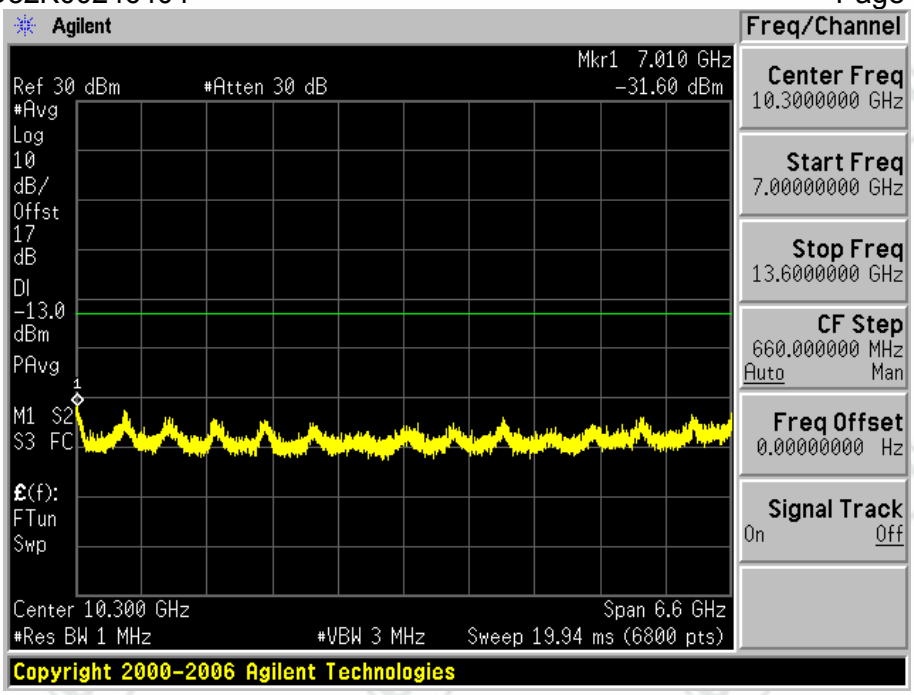
Test Channel=LCH

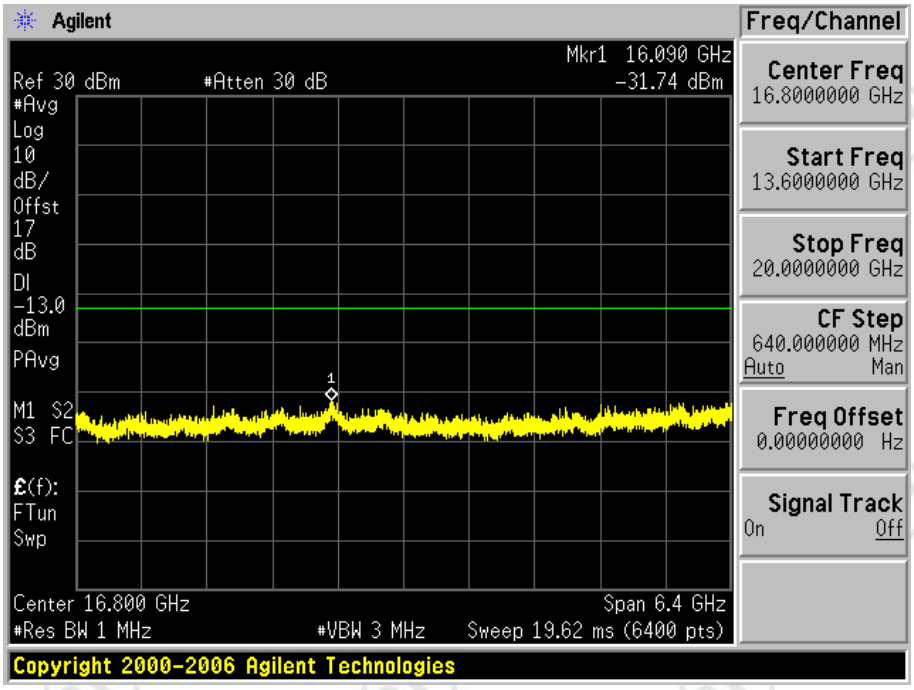




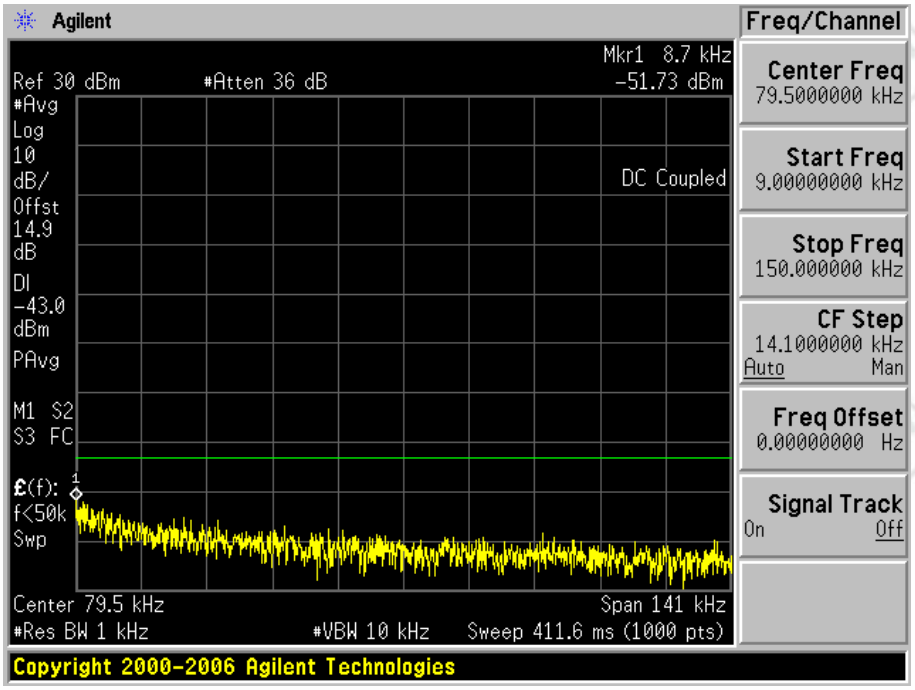

Agilent
Freq/Channel
Mkr1 498.0 MHz
Ref 30 dBm
#Atten 30 dB
-40.76 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

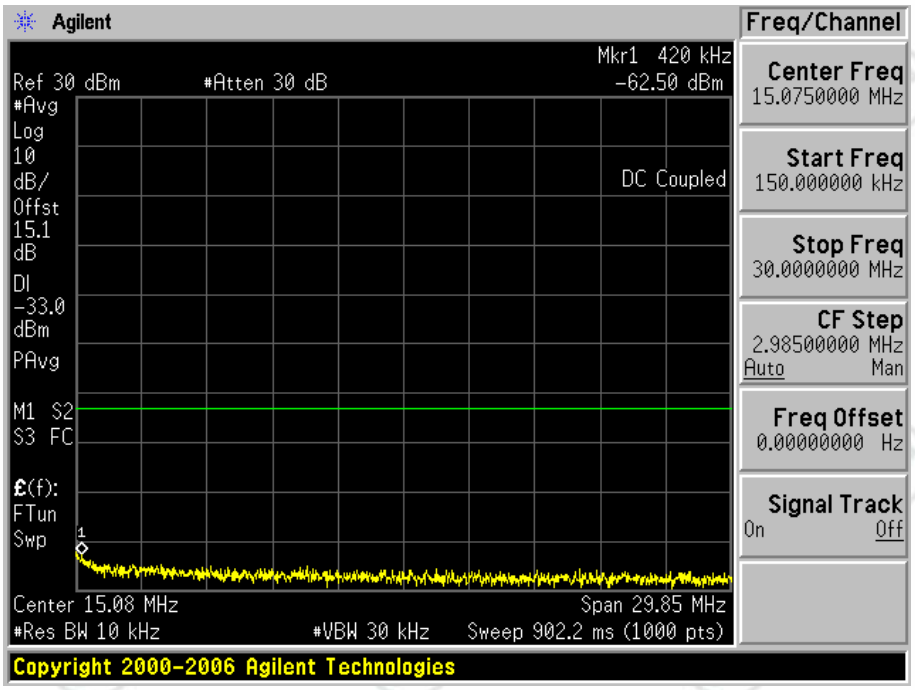

Agilent
Freq/Channel
Mkr2 4.196 GHz
Ref 30 dBm
#Atten 40 dB
-19.86 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

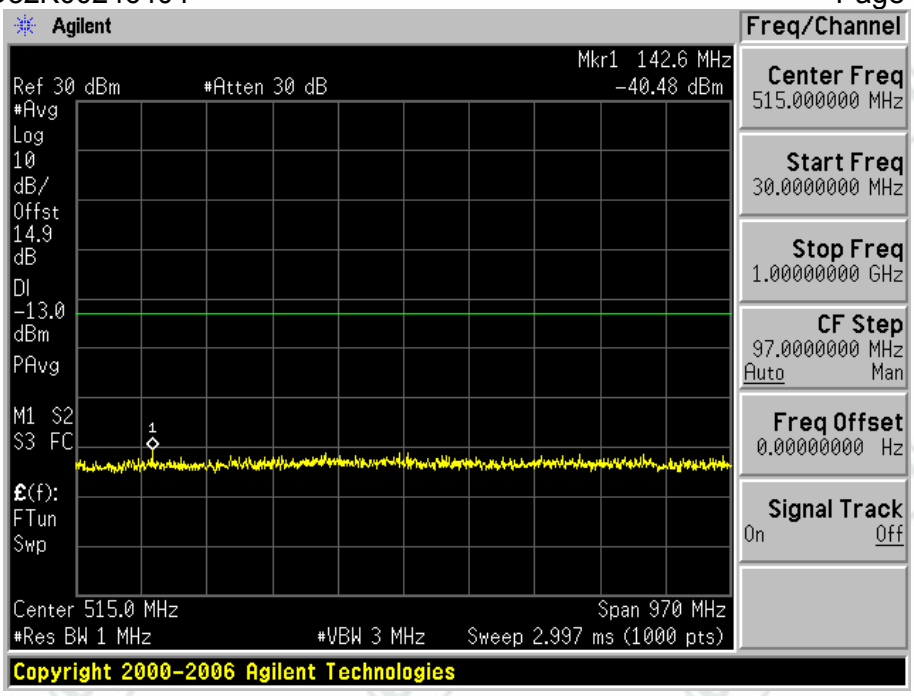

Agilent
Freq/Channel
Mkr1 7.010 GHz
Ref 30 dBm
#Atten 30 dB
-31.60 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

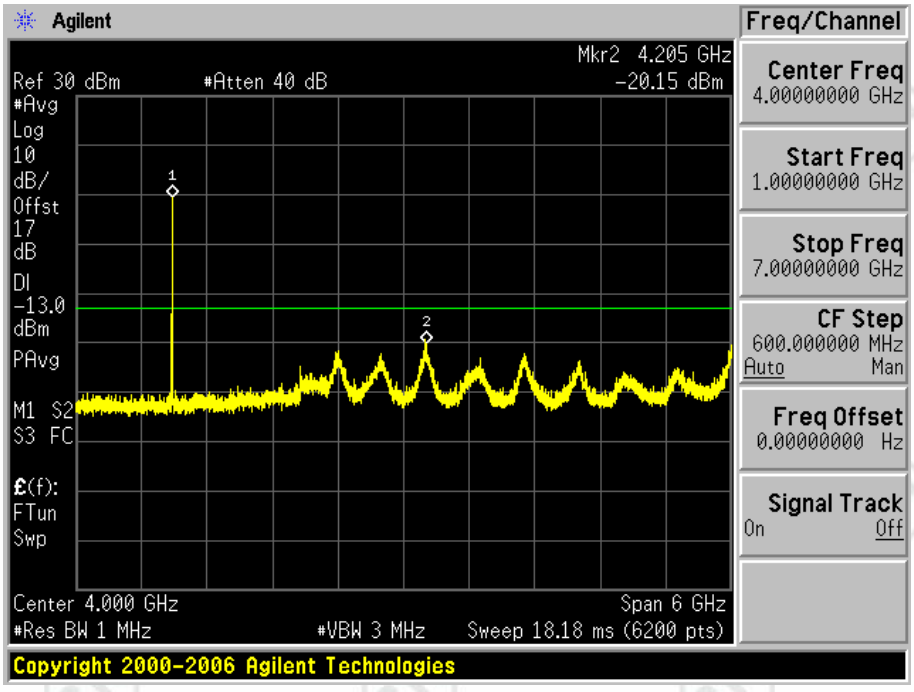

Agilent
Freq/Channel
Mkr1 16.090 GHz
Ref 30 dBm
#Atten 30 dB
-31.74 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

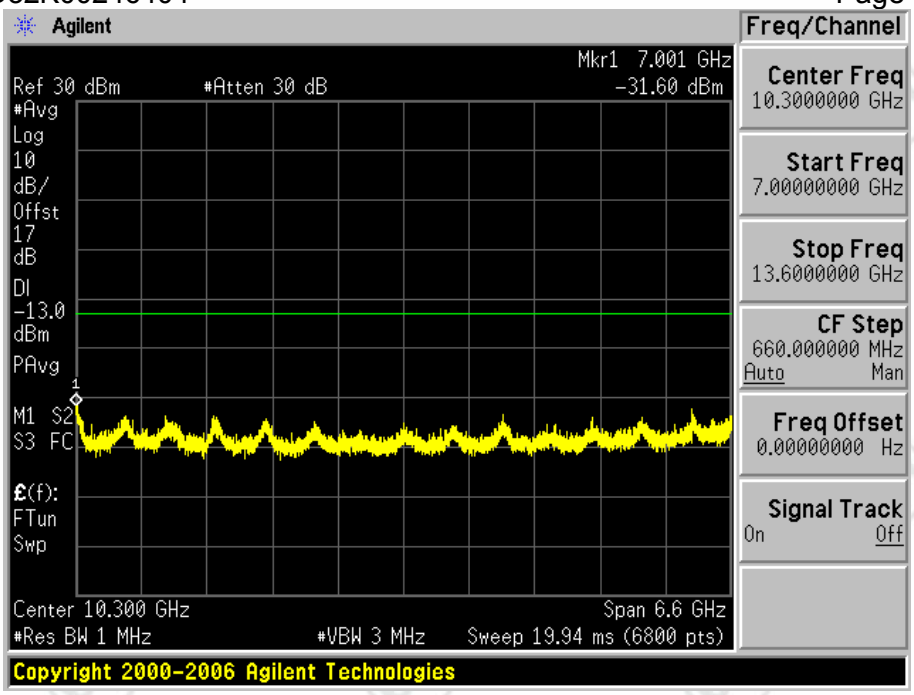
Test Channel=MCH

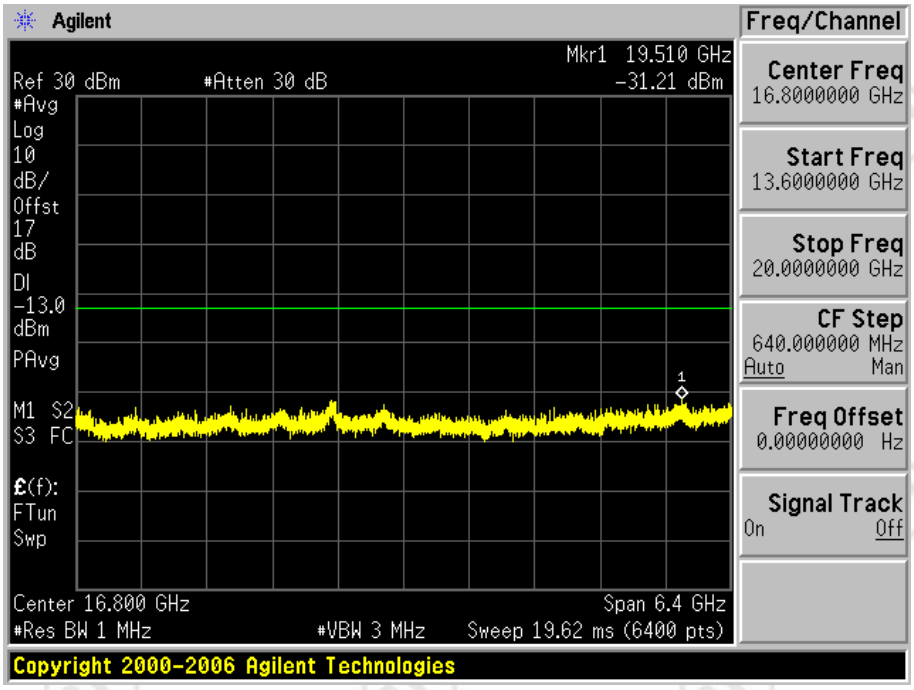




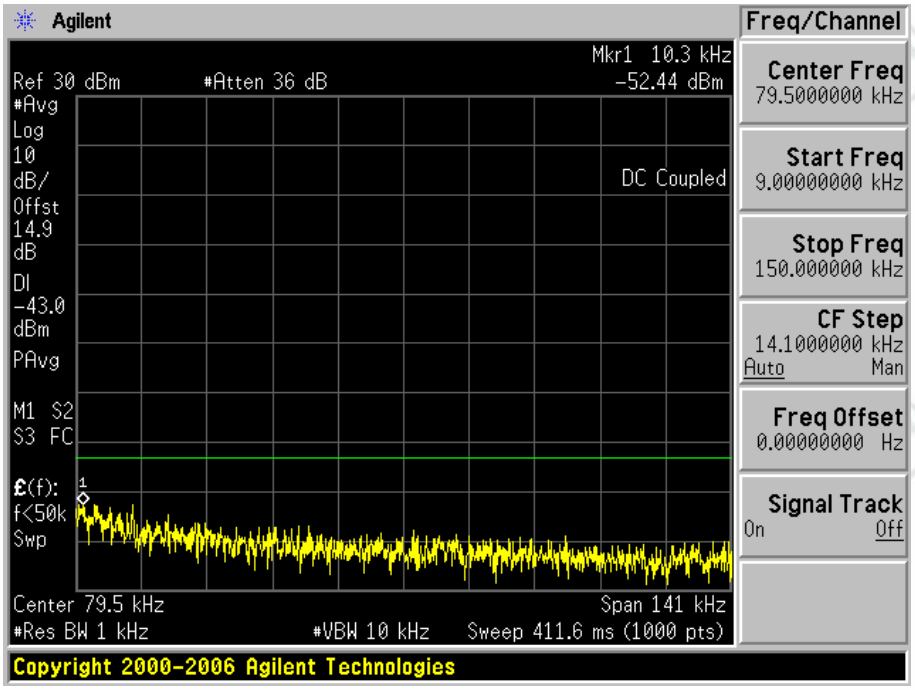

Agilent
Freq/Channel
Mkr1 142.6 MHz
Ref 30 dBm
#Atten 30 dB
-40.48 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

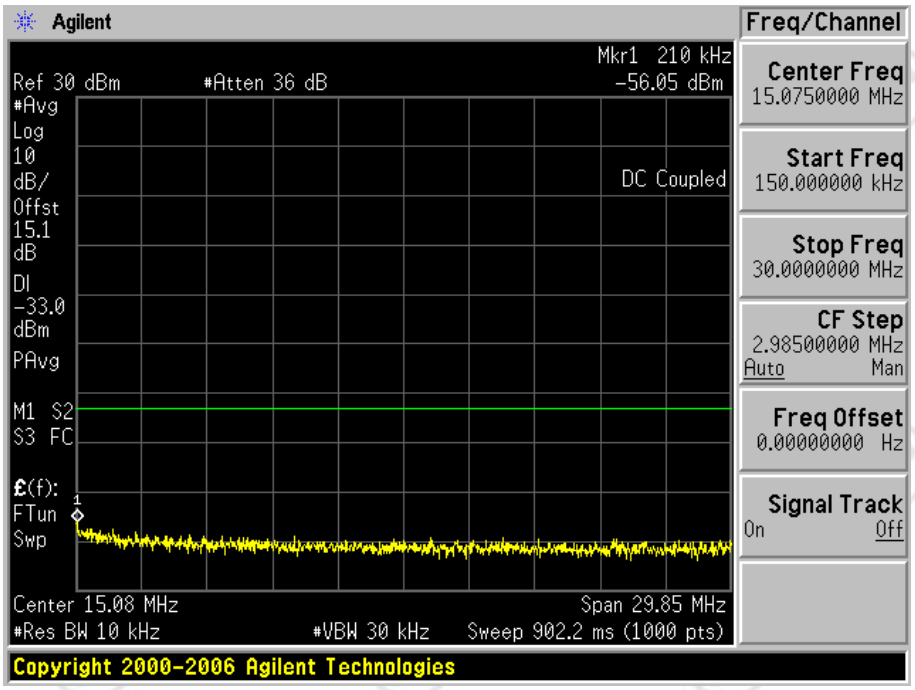

Agilent
Freq/Channel
Mkr2 4.205 GHz
Ref 30 dBm
#Atten 40 dB
-20.15 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

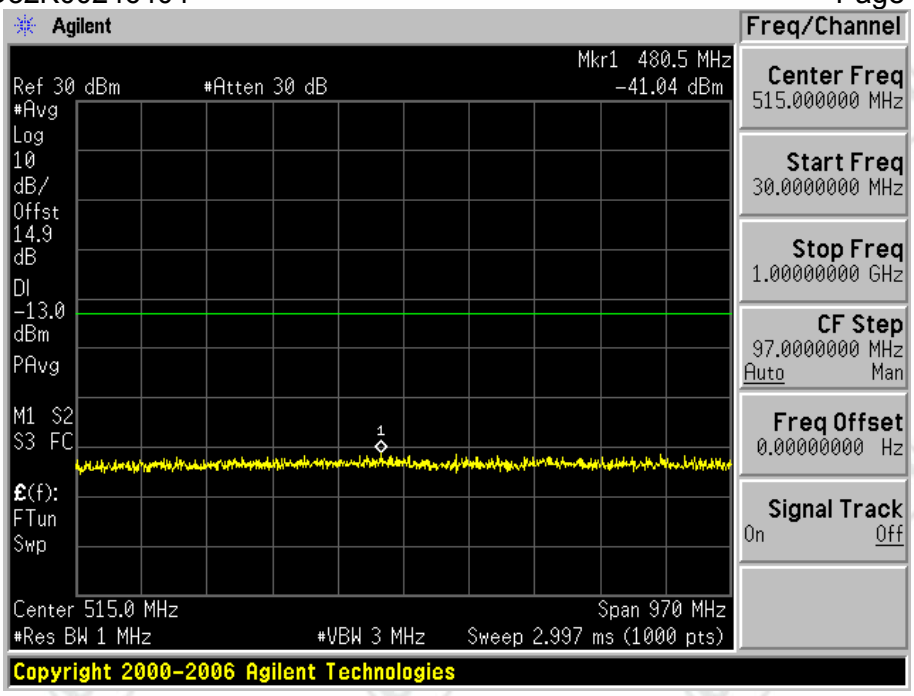

Agilent
Freq/Channel
Mkr1 7.001 GHz
Ref 30 dBm
#Atten 30 dB
-31.60 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

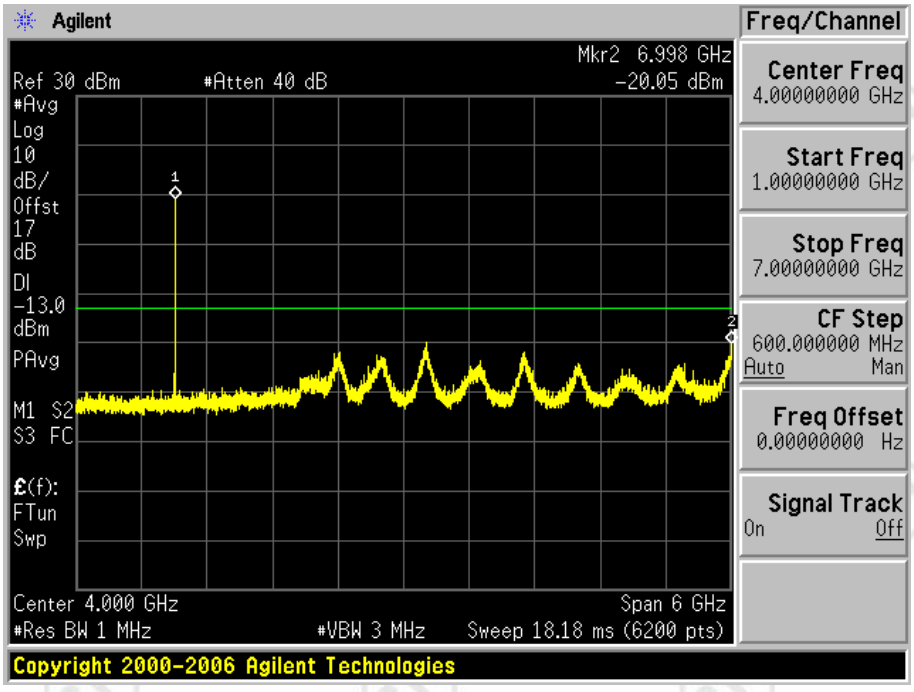

Agilent
Freq/Channel
Mkr1 19.510 GHz
Ref 30 dBm
#Atten 30 dB
-31.21 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

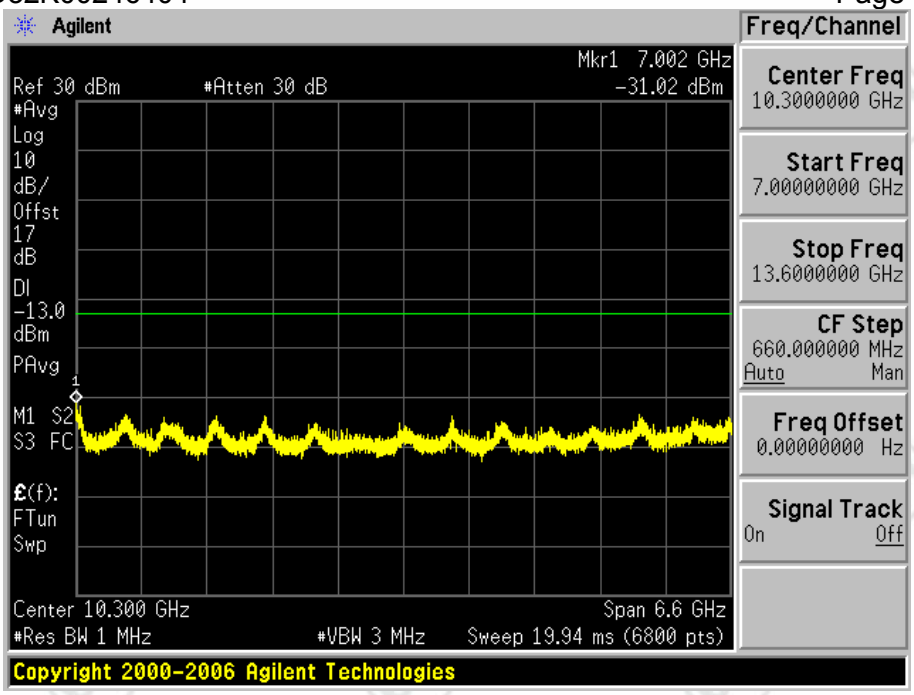
Test Channel=HCH

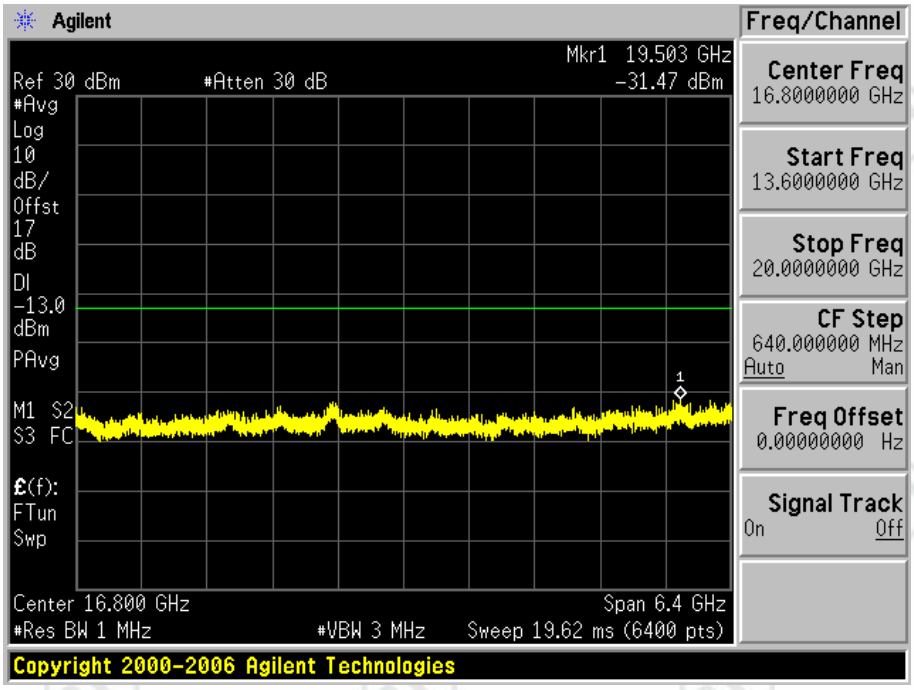





Agilent
Freq/Channel
Mkr1 480.5 MHz
Ref 30 dBm
#Atten 30 dB
-41.04 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr2 6.998 GHz
Ref 30 dBm
#Atten 40 dB
-20.05 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 7.002 GHz
Ref 30 dBm
#Atten 30 dB
-31.02 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 19.503 GHz
Ref 30 dBm
#Atten 30 dB
-31.47 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
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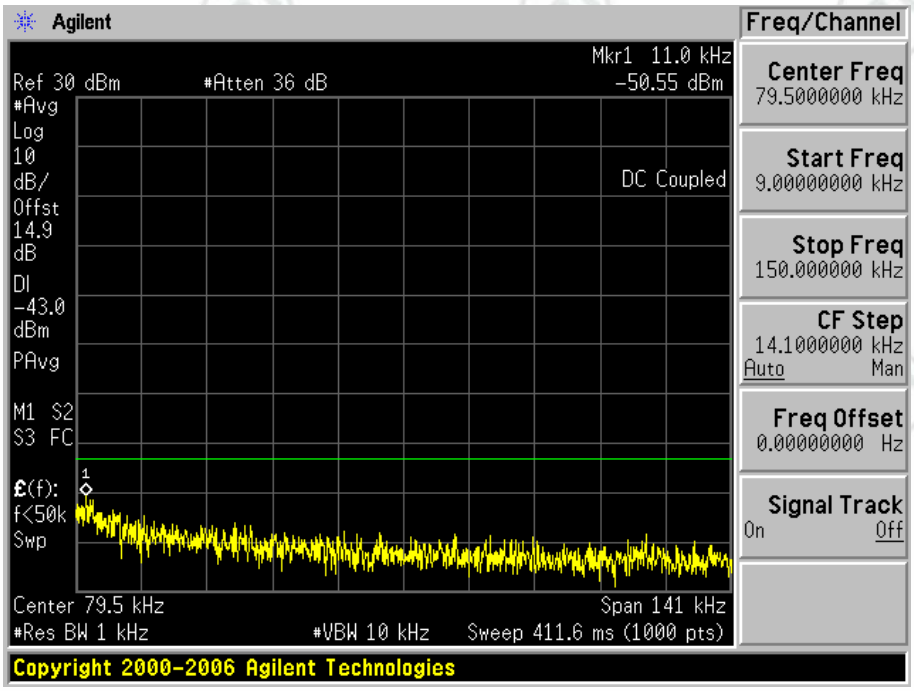
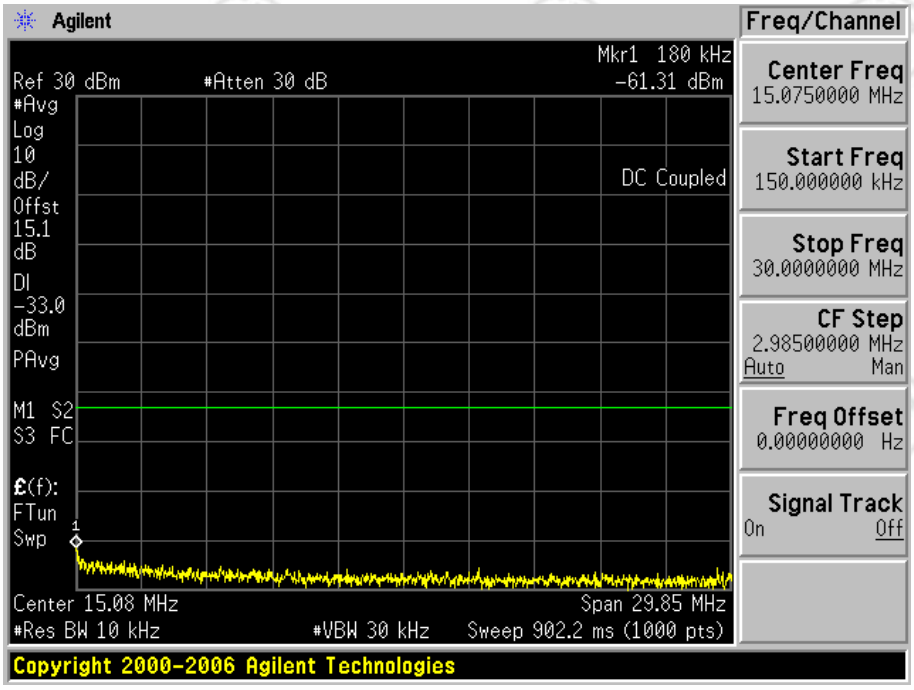
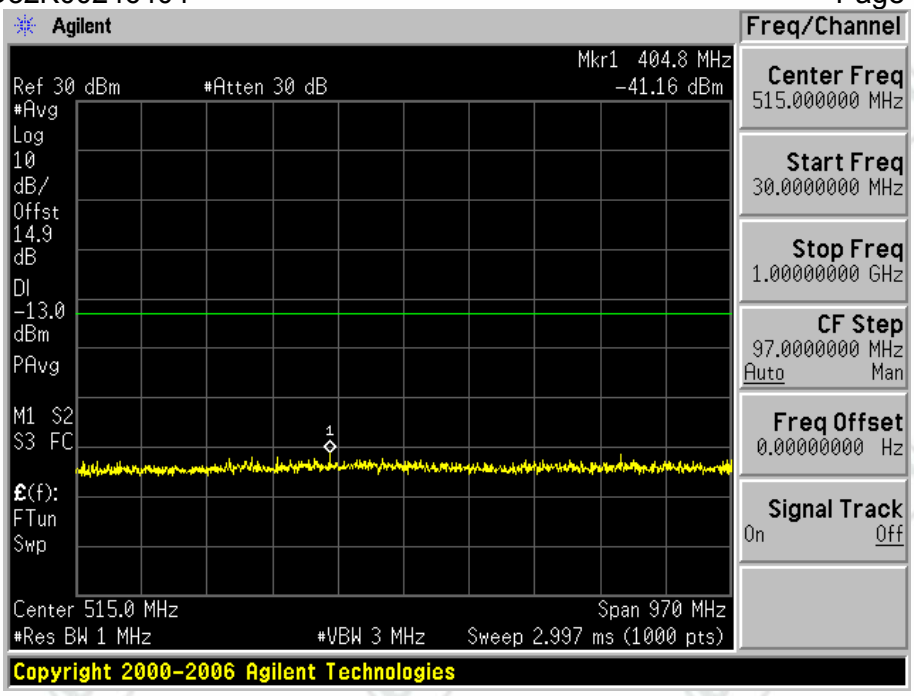
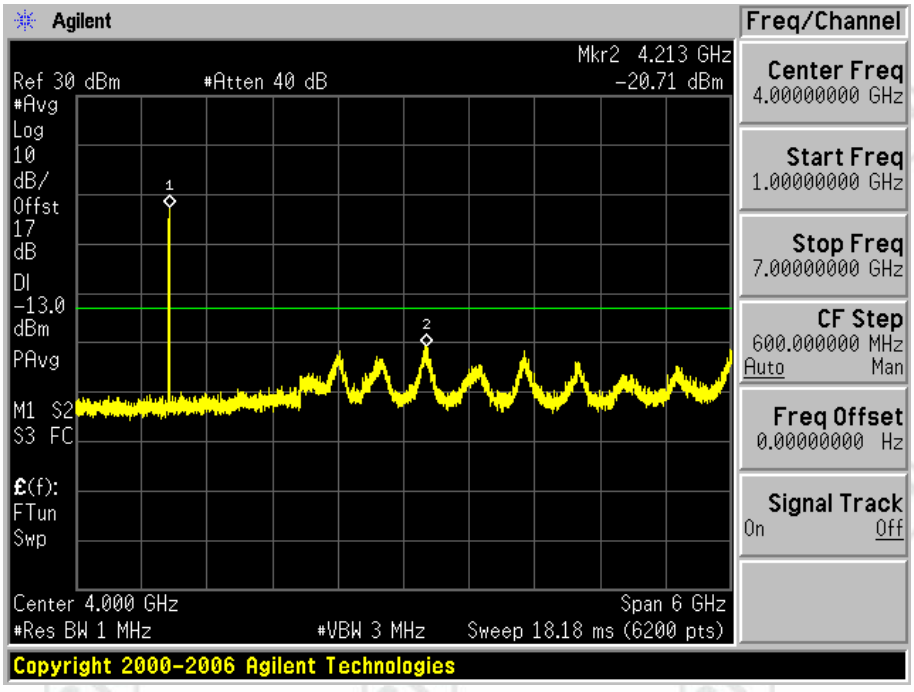
Test Mode=UMTS/TM3

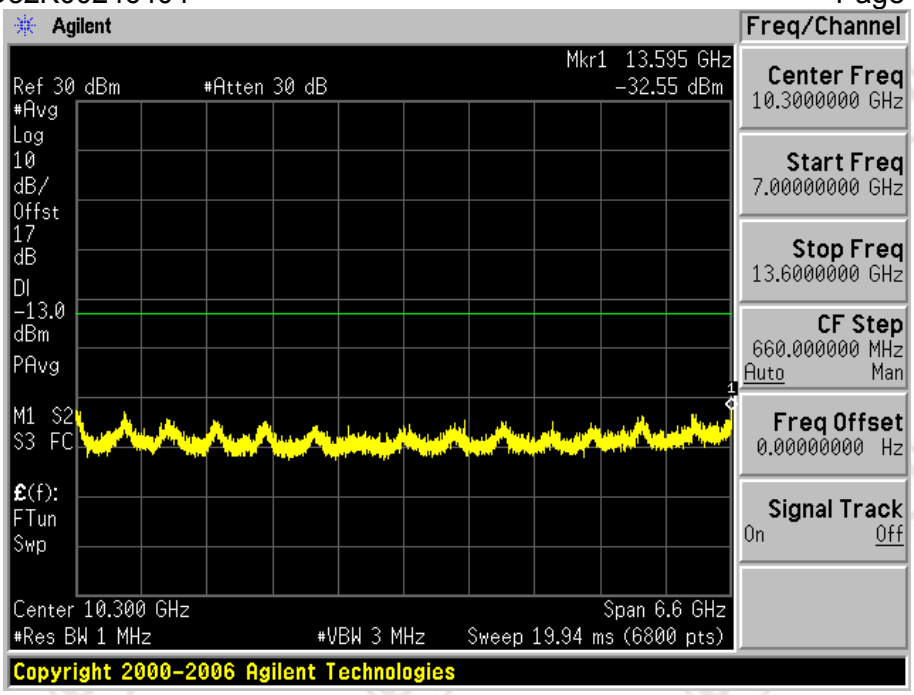
Test Channel=LCH

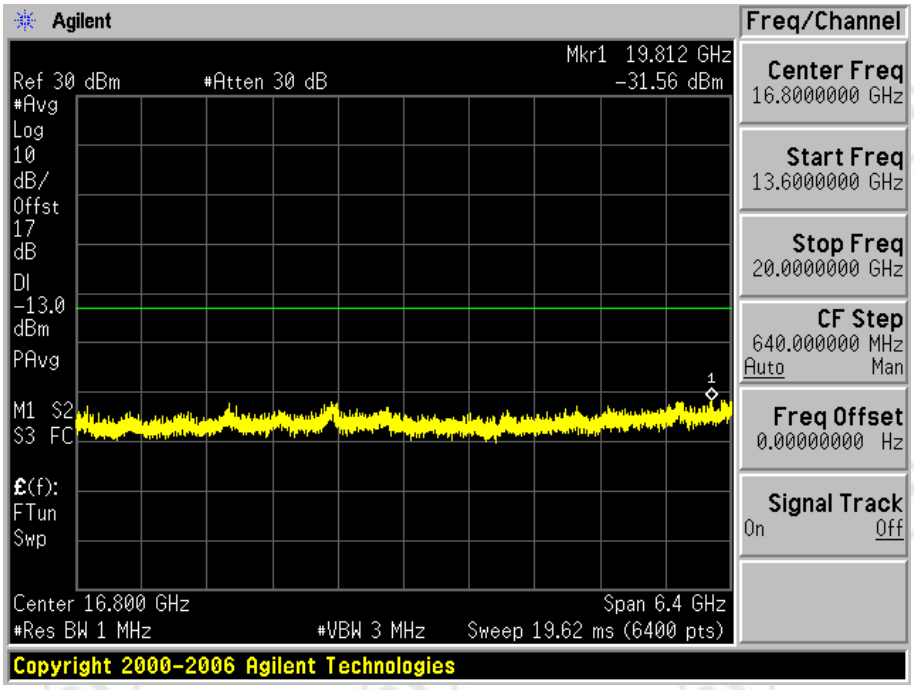




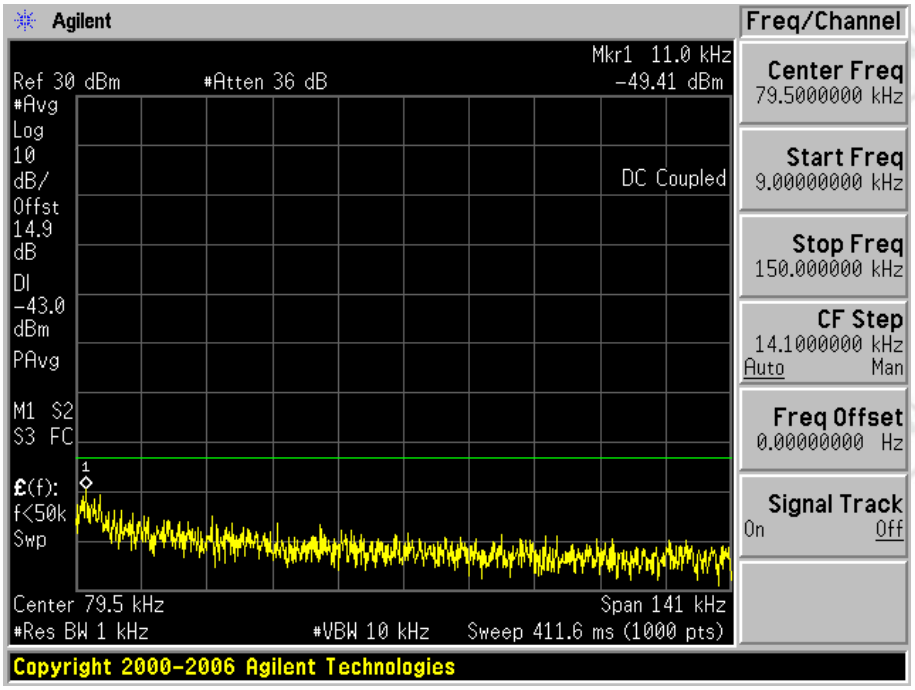

Agilent
Freq/Channel
Mkr1 404.8 MHz
Ref 30 dBm
#Atten 30 dB
-41.16 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

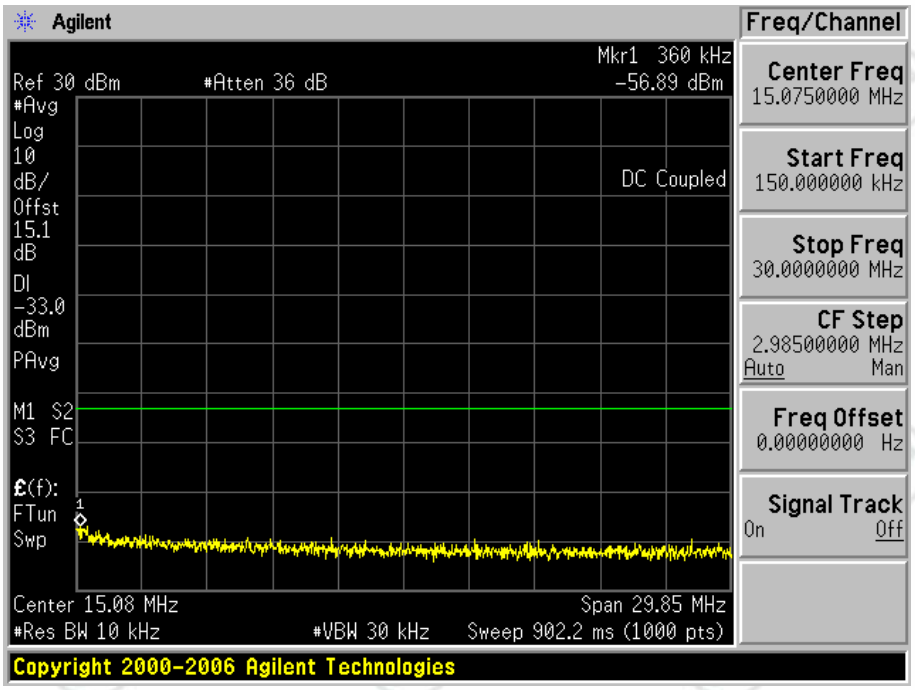

Agilent
Freq/Channel
Mkr2 4.213 GHz
Ref 30 dBm
#Atten 40 dB
-20.71 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

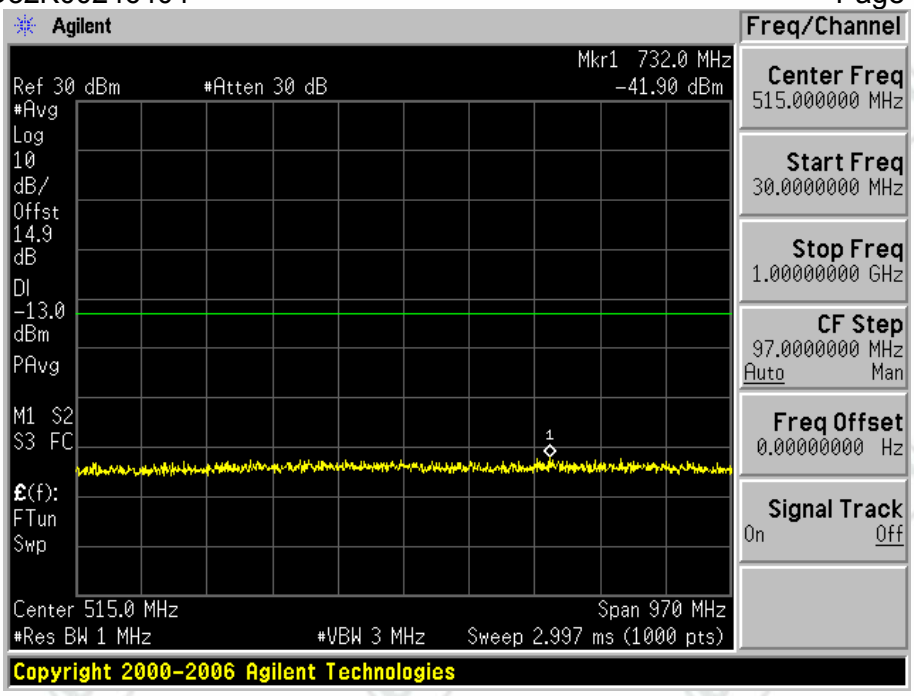

Agilent
Freq/Channel
Mkr1 13.595 GHz
Ref 30 dBm
#Atten 30 dB
-32.55 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

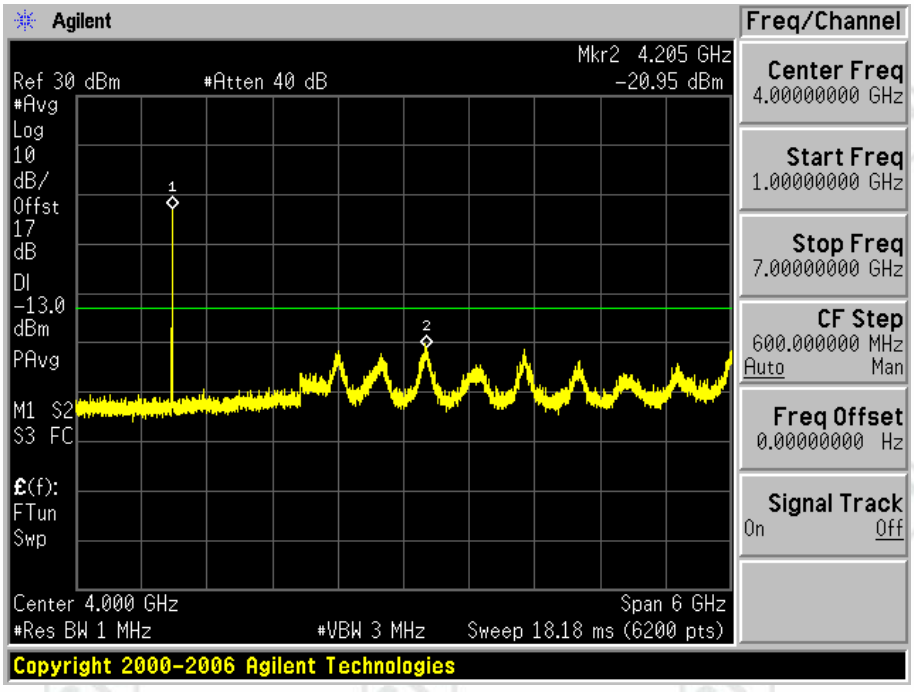

Agilent
Freq/Channel
Mkr1 19.812 GHz
Ref 30 dBm
#Atten 30 dB
-31.56 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

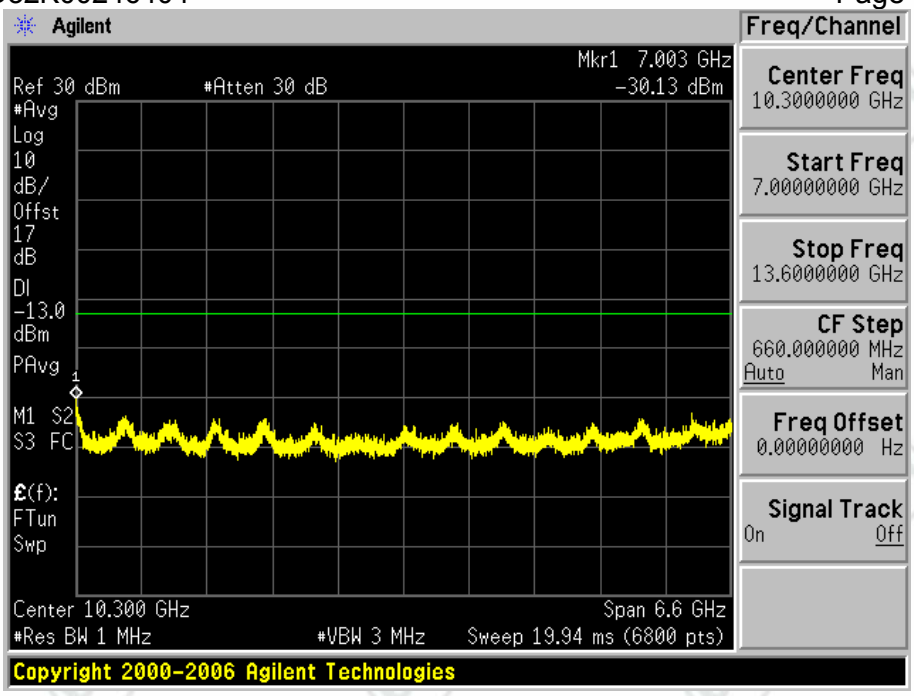
Test Channel=MCH

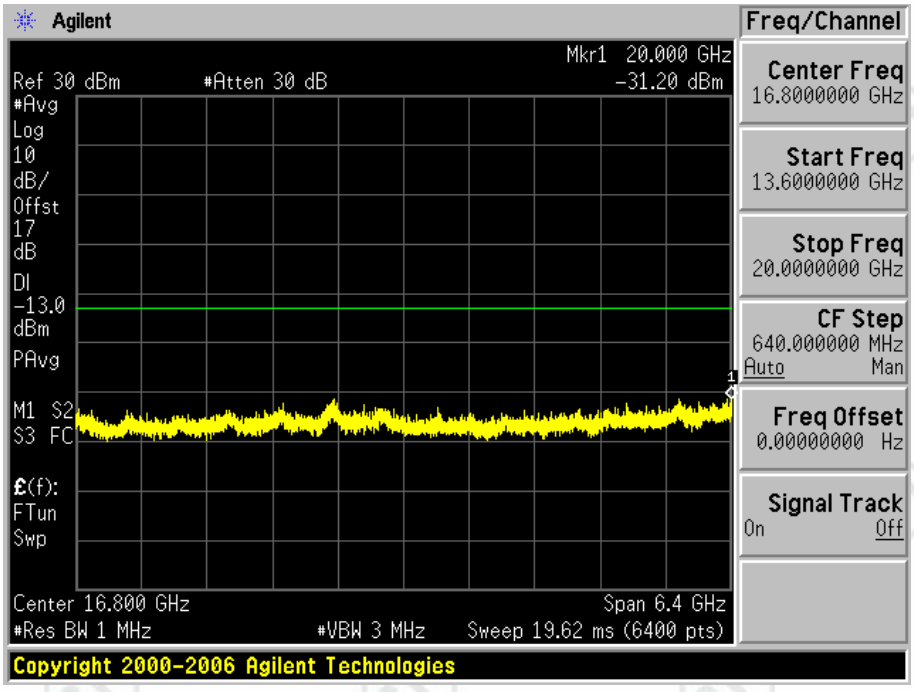




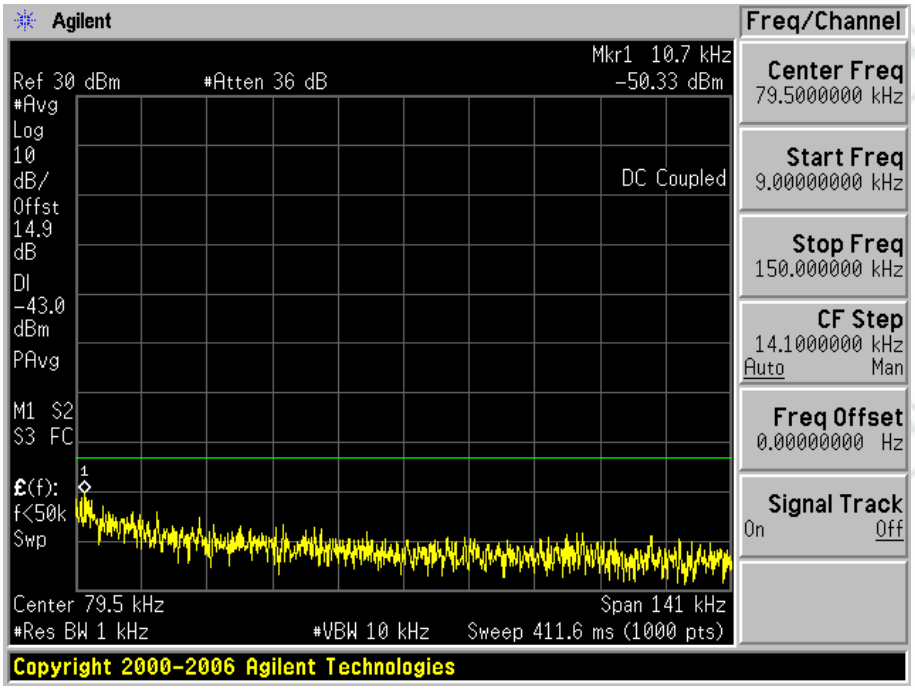

Agilent
Freq/Channel
Mkr1 732.0 MHz
Ref 30 dBm
#Atten 30 dB
-41.90 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

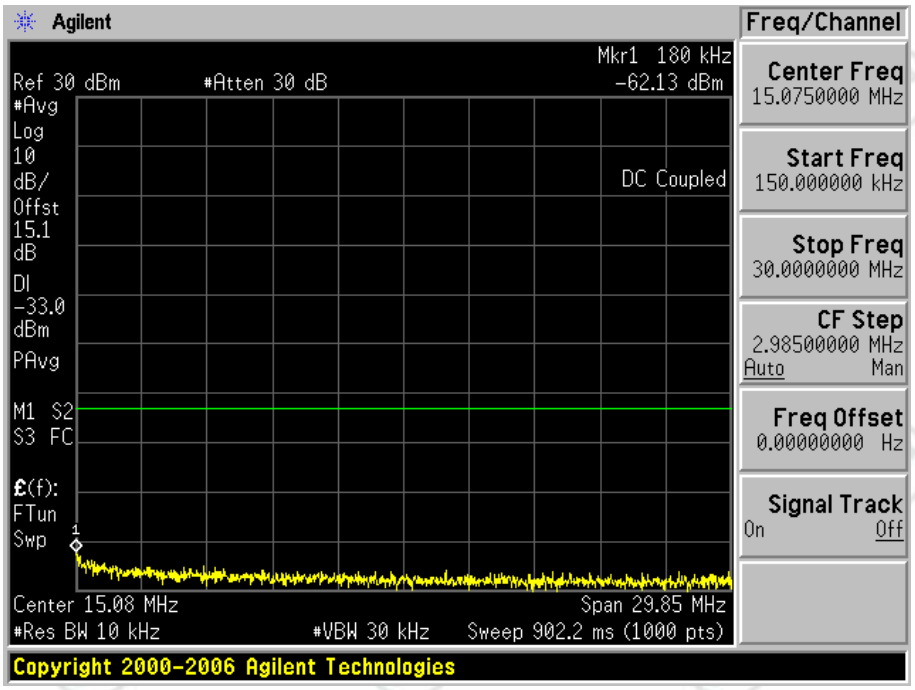

Agilent
Freq/Channel
Mkr2 4.205 GHz
Ref 30 dBm
#Atten 40 dB
-20.95 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

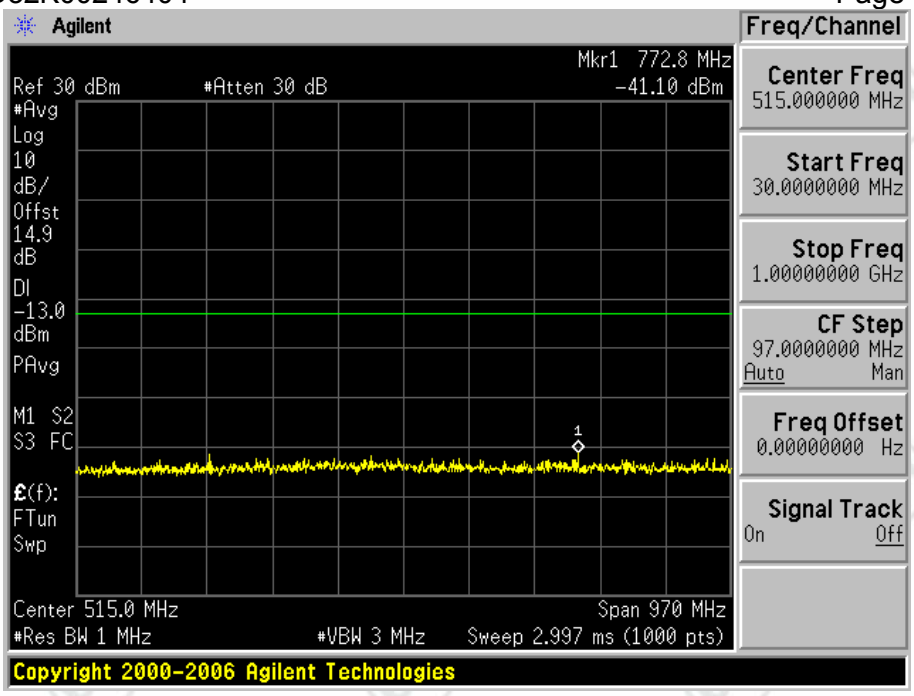

Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-30.13 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

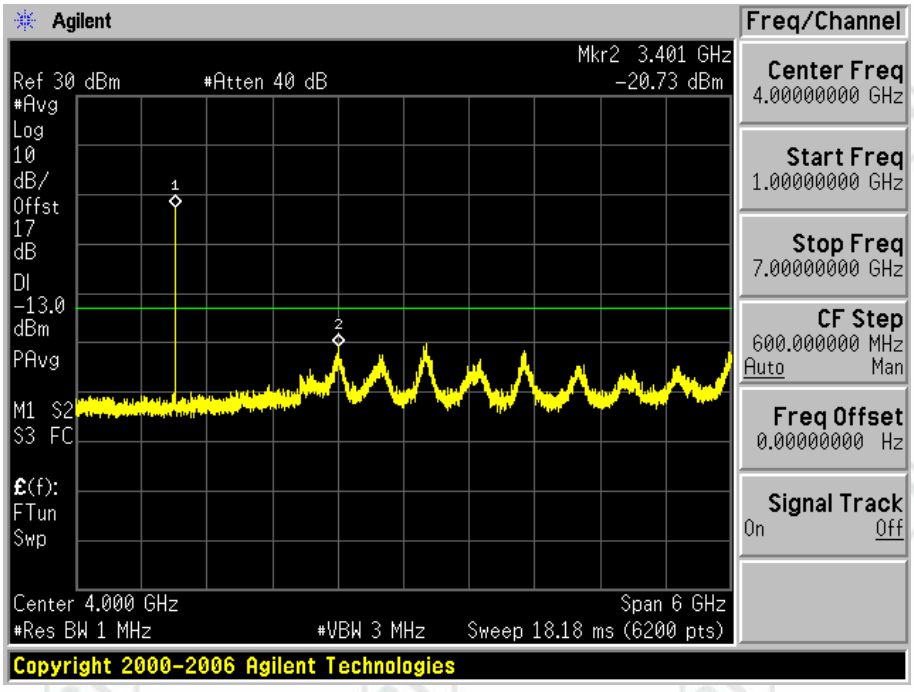

Agilent
Freq/Channel
Mkr1 20.000 GHz
Ref 30 dBm
#Atten 30 dB
-31.20 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

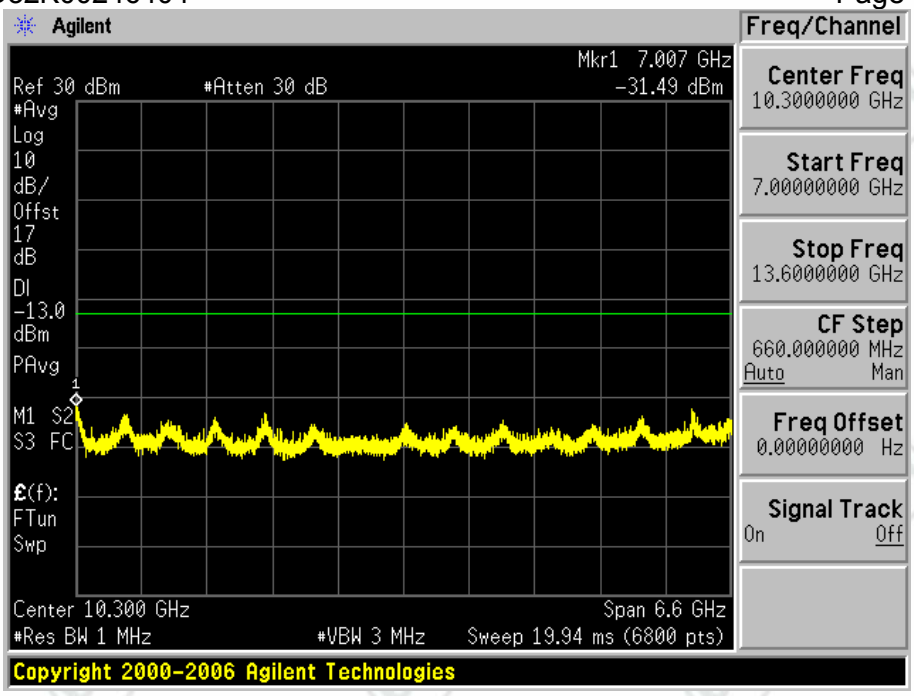
Test Channel=HCH

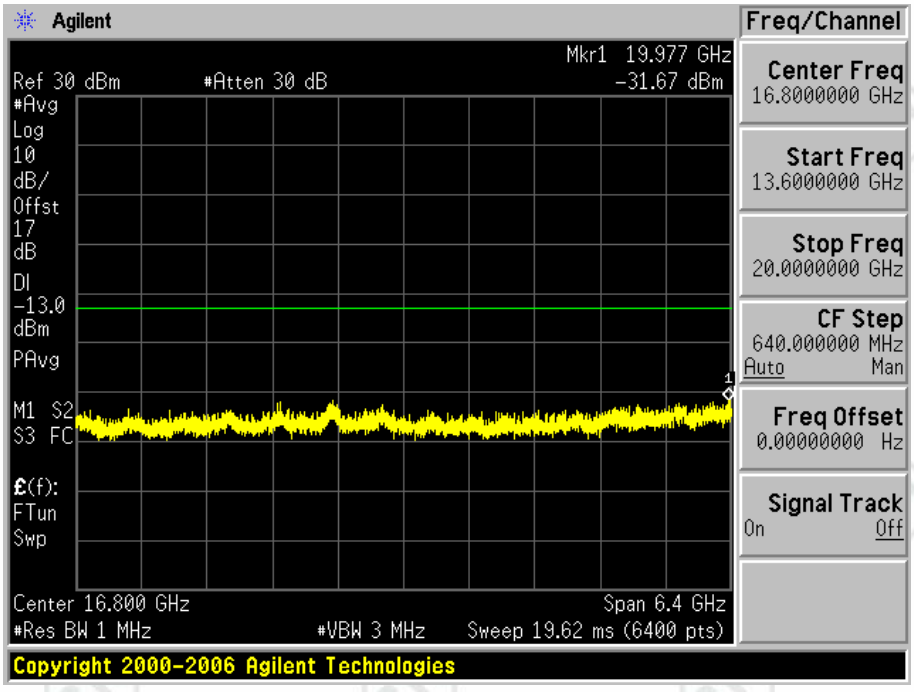





Agilent
Freq/Channel
Mkr1 772.8 MHz
Ref 30 dBm
#Atten 30 dB
-41.10 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr2 3.401 GHz
Ref 30 dBm
#Atten 40 dB
-20.73 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 7.007 GHz
Ref 30 dBm
#Atten 30 dB
-31.49 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 19.977 GHz
Ref 30 dBm
#Atten 30 dB
-31.67 dBm
#Avg
Log
10
dB/
Offst
17
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
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Appendix F): Frequency Stability

Test Requirement:	Part 2.1055
Test Method:	TIA-603-E-2016 Clause 2.2.2
Test Setup:	Refer to section 5 for details
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable and a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).The EUT was place in the temperature chamber, the DC leads and RF output cable exited the chamber though an opening made for that purpose. After Operate the equipment in standby conditions for 15 minutes before proceeding. The temperature was varied from -30°C to +55°C at intervals of not more than 10°C The frequency stability was read from the base station.Since the EUT is hand carried,battery powered equipment,at 25°C the input voltage was reduced from 3.8V(primary supply voltage) to 3.5V(end point voltage), the frequency stability and input voltage was record.
Instruments Used:	Refer to section 7 for details
Limit:	Operation Band: Frequency stability Limit(ppm) GSM/GPRS/EDGE/WCDMA 850: ±2.5ppm GSM/GPRS/EDGE/WCDMA 1900: --- WCDMA 1700: ---
Test Results:	Pass

(VL is 2.805V, VN is 3.3V, VH is 3.795V)

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	TM1	LCH	TN	VL	10.14	0.012303	±2.5	PASS
			TN	VN	6.84	0.008299	±2.5	PASS
			TN	VH	8.85	0.010738	±2.5	PASS
		MCH	TN	VL	6.97	0.008331	±2.5	PASS
			TN	VN	10.27	0.012276	±2.5	PASS
			TN	VH	10.33	0.012348	±2.5	PASS
		HCH	TN	VL	5.23	0.006162	±2.5	PASS
			TN	VN	7.43	0.008754	±2.5	PASS
			TN	VH	3.68	0.004336	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM2	LCH	TN	VL	3.49	0.004234	±2.5	PASS
			TN	VN	7.10	0.008614	±2.5	PASS
			TN	VH	7.30	0.008857	±2.5	PASS
		MCH	TN	VL	10.53	0.012587	±2.5	PASS
			TN	VN	10.46	0.012503	±2.5	PASS
			TN	VH	9.04	0.010806	±2.5	PASS
		HCH	TN	VL	8.59	0.010120	±2.5	PASS
			TN	VN	10.46	0.012323	±2.5	PASS
			TN	VH	7.55	0.008895	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM3	LCH	TN	VL	-7.68	-0.009318	±2.5	PASS
			TN	VN	-8.10	-0.009828	±2.5	PASS
			TN	VH	-6.23	-0.007559	±2.5	PASS
		MCH	TN	VL	-8.01	-0.009574	±2.5	PASS
			TN	VN	-9.81	-0.011726	±2.5	PASS
			TN	VH	-8.04	-0.009610	±2.5	PASS
		HCH	TN	VL	-7.65	-0.009013	±2.5	PASS
			TN	VN	-9.01	-0.010615	±2.5	PASS
			TN	VH	-9.75	-0.011487	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM1	LCH	TN	VL	-7.23	-0.003908	±2.5	PASS
			TN	VN	0.45	0.000243	±2.5	PASS
			TN	VH	-6.59	-0.003562	±2.5	PASS
		MCH	TN	VL	-6.91	-0.003676	±2.5	PASS
			TN	VN	-13.04	-0.006936	±2.5	PASS
			TN	VH	-5.81	-0.003090	±2.5	PASS
		HCH	TN	VL	-3.29	-0.001723	±2.5	PASS
			TN	VN	2.71	0.001419	±2.5	PASS
			TN	VH	-6.46	-0.003383	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM2	LCH	TN	VL	-6.65	-0.003594	±2.5	PASS
			TN	VN	0.65	0.000351	±2.5	PASS
			TN	VH	-12.40	-0.006702	±2.5	PASS
		MCH	TN	VL	-12.14	-0.006457	±2.5	PASS
			TN	VN	-2.13	-0.001133	±2.5	PASS
			TN	VH	-6.52	-0.003468	±2.5	PASS
		HCH	TN	VL	-2.52	-0.001320	±2.5	PASS
			TN	VN	-8.01	-0.004194	±2.5	PASS
			TN	VH	-6.97	-0.003650	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM3	LCH	TN	VL	-11.36	-0.006140	±2.5	PASS
			TN	VN	-7.78	-0.004205	±2.5	PASS
			TN	VH	-3.13	-0.001692	±2.5	PASS
		MCH	TN	VL	-8.52	-0.004532	±2.5	PASS
			TN	VN	-9.27	-0.004931	±2.5	PASS
			TN	VH	-9.17	-0.004878	±2.5	PASS
		HCH	TN	VL	-12.88	-0.006744	±2.5	PASS
			TN	VN	-14.37	-0.007524	±2.5	PASS
			TN	VH	-16.66	-0.008723	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM1	LCH	TN	VL	2.00	0.002419	±2.5	PASS
			TN	VN	4.90	0.005927	±2.5	PASS
			TN	VH	1.88	0.002271	±2.5	PASS
		MCH	TN	VL	0.34	0.000401	±2.5	PASS
			TN	VN	4.90	0.006841	±2.5	PASS
			TN	VH	-0.18	-0.000219	±2.5	PASS
		HCH	TN	VL	0.49	0.000577	±2.5	PASS
			TN	VN	4.90	0.003731	±2.5	PASS
			TN	VH	0.32	0.000378	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM2	LCH	TN	VL	10.33	0.012500	±2.5	PASS
			TN	VN	-35.42	-0.042855	±2.5	PASS
			TN	VH	136.44	0.165107	±2.5	PASS
		MCH	TN	VL	-81.73	-0.097712	±2.5	PASS
			TN	VN	-35.42	-0.087368	±2.5	PASS
			TN	VH	15.93	0.019046	±2.5	PASS
		HCH	TN	VL	50.80	0.060001	±2.5	PASS
			TN	VN	-35.42	0.061424	±2.5	PASS
			TN	VH	8.18	0.009661	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM3	LCH	TN	VL	-109.89	-0.132979	±2.5	PASS
			TN	VN	-45.91	-0.055559	±2.5	PASS
			TN	VH	34.27	0.041471	±2.5	PASS
		MCH	TN	VL	-21.38	-0.025559	±2.5	PASS
			TN	VN	-45.91	0.006130	±2.5	PASS
			TN	VH	-51.65	-0.061754	±2.5	PASS
		HCH	TN	VL	7.97	0.009408	±2.5	PASS
			TN	VN	-45.91	-0.051421	±2.5	PASS
			TN	VH	76.28	0.090100	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA170	TM1	LCH	TN	VL	-14.28	-0.008340	±2.5	PASS
			TN	VN	3.94	0.002299	±2.5	PASS
			TN	VH	9.81	0.005730	±2.5	PASS
		MCH	TN	VL	-2.84	-0.001638	±2.5	PASS
			TN	VN	3.94	-0.002263	±2.5	PASS
			TN	VH	-2.67	-0.001541	±2.5	PASS
		HCH	TN	VL	-8.58	-0.004893	±2.5	PASS
			TN	VN	3.94	-0.002586	±2.5	PASS
			TN	VH	3.08	0.001759	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA170	TM2	LCH	TN	VL	-32.47	-0.018962	±2.5	PASS
			TN	VN	43.72	0.025529	±2.5	PASS
			TN	VH	-33.54	-0.019586	±2.5	PASS
		MCH	TN	VL	56.66	0.032700	±2.5	PASS
			TN	VN	43.72	0.030058	±2.5	PASS
			TN	VH	31.77	0.018336	±2.5	PASS
		HCH	TN	VL	-13.05	-0.007444	±2.5	PASS
			TN	VN	43.72	-0.036175	±2.5	PASS
			TN	VH	24.87	0.014191	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA170	TM3	LCH	TN	VL	33.23	0.019408	±2.5	PASS
			TN	VN	-73.20	-0.042745	±2.5	PASS
			TN	VH	-45.84	-0.026768	±2.5	PASS
		MCH	TN	VL	78.55	0.045338	±2.5	PASS
			TN	VN	-73.20	-0.021894	±2.5	PASS
			TN	VH	-87.04	-0.050234	±2.5	PASS
		HCH	TN	VL	-178.30	-0.101734	±2.5	PASS
			TN	VN	-73.20	-0.061798	±2.5	PASS
			TN	VH	15.91	0.009081	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1900	TM1	LCH	TN	VL	-4.47	-0.002414	±2.5	PASS
			TN	VN	0.56	0.000305	±2.5	PASS
			TN	VH	7.25	0.003913	±2.5	PASS
		MCH	TN	VL	2.49	0.001323	±2.5	PASS
			TN	VN	0.56	-0.002605	±2.5	PASS
			TN	VH	0.26	0.000138	±2.5	PASS
		HCH	TN	VL	-4.04	-0.002120	±2.5	PASS
			TN	VN	0.56	-0.000056	±2.5	PASS
			TN	VH	-1.13	-0.000592	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1900	TM2	LCH	TN	VL	17.23	0.009300	±2.5	PASS
			TN	VN	-45.61	-0.024621	±2.5	PASS
			TN	VH	11.35	0.006129	±2.5	PASS
		MCH	TN	VL	42.86	0.022799	±2.5	PASS
			TN	VN	-45.61	-0.050257	±2.5	PASS
			TN	VH	-37.75	-0.020080	±2.5	PASS
		HCH	TN	VL	-80.64	-0.042274	±2.5	PASS
			TN	VN	-45.61	0.010967	±2.5	PASS
			TN	VH	-114.00	-0.059760	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1900	TM3	LCH	TN	VL	50.72	0.027381	±2.5	PASS
			TN	VN	9.43	0.005091	±2.5	PASS
			TN	VH	-166.90	-0.090100	±2.5	PASS
		MCH	TN	VL	-31.74	-0.016882	±2.5	PASS
			TN	VN	9.43	0.060532	±2.5	PASS
			TN	VH	82.24	0.043747	±2.5	PASS
		HCH	TN	VL	-35.69	-0.018710	±2.5	PASS
			TN	VN	9.43	-0.028668	±2.5	PASS
			TN	VH	48.00	0.025165	±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
GSM850	TM1	LCH	VN	-30	9.10	0.011041	±2.5	PASS
			VN	-20	10.27	0.012461	±2.5	PASS
			VN	-10	11.24	0.013637	±2.5	PASS
			VN	0	11.11	0.013480	±2.5	PASS
			VN	10	11.17	0.013553	±2.5	PASS
			VN	20	12.85	0.015591	±2.5	PASS
			VN	30	10.33	0.012533	±2.5	PASS
			VN	40	9.81	0.011902	±2.5	PASS
			VN	50	10.59	0.012849	±2.5	PASS
GSM850	TM1	MCH	VN	-30	8.01	0.009574	±2.5	PASS

			VN	-20	9.56	0.011427	±2.5	PASS
			VN	-10	5.49	0.006562	±2.5	PASS
			VN	0	9.75	0.011654	±2.5	PASS
			VN	10	10.14	0.012120	±2.5	PASS
			VN	20	6.84	0.008176	±2.5	PASS
			VN	30	6.97	0.008331	±2.5	PASS
			VN	40	8.78	0.010495	±2.5	PASS
			VN	50	8.59	0.010268	±2.5	PASS
GSM850	TM1	HCH	VN	-30	5.75	0.006774	±2.5	PASS
			VN	-20	5.29	0.006232	±2.5	PASS
			VN	-10	6.46	0.007611	±2.5	PASS
			VN	0	5.55	0.006539	±2.5	PASS
			VN	10	8.01	0.009437	±2.5	PASS
			VN	20	7.30	0.008600	±2.5	PASS
			VN	30	8.14	0.009590	±2.5	PASS
			VN	40	7.30	0.008600	±2.5	PASS
			VN	50	9.49	0.011180	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM2	LCH	VN	-30	11.49	0.013941	±2.5	PASS
			VN	-20	10.78	0.013079	±2.5	PASS
			VN	-10	7.94	0.009634	±2.5	PASS
			VN	0	9.10	0.011041	±2.5	PASS
			VN	10	7.36	0.008930	±2.5	PASS
			VN	20	10.65	0.012922	±2.5	PASS
			VN	30	9.17	0.011126	±2.5	PASS
			VN	40	9.30	0.011284	±2.5	PASS
			VN	50	8.85	0.010738	±2.5	PASS
GSM850	TM2	MCH	VN	-30	12.20	0.014583	±2.5	PASS
			VN	-20	11.11	0.013280	±2.5	PASS
			VN	-10	10.85	0.012969	±2.5	PASS
			VN	0	8.59	0.010268	±2.5	PASS
			VN	10	10.72	0.012814	±2.5	PASS
			VN	20	11.30	0.013507	±2.5	PASS
			VN	30	11.62	0.013890	±2.5	PASS

			VN	40	8.52	0.010184	±2.5	PASS
			VN	50	8.78	0.010495	±2.5	PASS
GSM850	TM2	HCH	VN	-30	8.20	0.009661	±2.5	PASS
			VN	-20	10.53	0.012406	±2.5	PASS
			VN	-10	8.07	0.009508	±2.5	PASS
			VN	0	8.78	0.010344	±2.5	PASS
			VN	10	7.75	0.009131	±2.5	PASS
			VN	20	8.33	0.009814	±2.5	PASS
			VN	30	7.49	0.008824	±2.5	PASS
			VN	40	10.33	0.012170	±2.5	PASS
			VN	50	7.43	0.008754	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM3	LCH	VN	-30	-6.91	-0.008384	±2.5	PASS
			VN	-20	-6.81	-0.008263	±2.5	PASS
			VN	-10	-10.11	-0.012266	±2.5	PASS
			VN	0	-9.85	-0.011951	±2.5	PASS
			VN	10	-9.20	-0.011162	±2.5	PASS
			VN	20	-11.82	-0.014341	±2.5	PASS
			VN	30	-11.72	-0.014220	±2.5	PASS
			VN	40	-9.46	-0.011478	±2.5	PASS
			VN	50	-9.56	-0.011599	±2.5	PASS
GSM850	TM3	MCH	VN	-30	-9.20	-0.010997	±2.5	PASS
			VN	-20	-10.04	-0.012001	±2.5	PASS
			VN	-10	-8.59	-0.010268	±2.5	PASS
			VN	0	-11.85	-0.014164	±2.5	PASS
			VN	10	-7.65	-0.009144	±2.5	PASS
			VN	20	-7.20	-0.008606	±2.5	PASS
			VN	30	-9.75	-0.011654	±2.5	PASS
			VN	40	-6.91	-0.008260	±2.5	PASS
			VN	50	-8.78	-0.010495	±2.5	PASS
GSM850	TM3	HCH	VN	-30	-9.81	-0.011557	±2.5	PASS
			VN	-20	-9.36	-0.011027	±2.5	PASS
			VN	-10	-9.69	-0.011416	±2.5	PASS
			VN	0	-11.78	-0.013878	±2.5	PASS

			VN	10	-10.30	-0.012135	±2.5	PASS
			VN	20	-8.43	-0.009932	±2.5	PASS
			VN	30	-8.30	-0.009779	±2.5	PASS
			VN	40	-10.40	-0.012253	±2.5	PASS
			VN	50	-8.65	-0.010191	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM1	LCH	VN	-30	-12.59	-0.006805	±2.5	PASS
			VN	-20	-2.52	-0.001362	±2.5	PASS
			VN	-10	-4.84	-0.002616	±2.5	PASS
			VN	0	-6.59	-0.003562	±2.5	PASS
			VN	10	-13.37	-0.007226	±2.5	PASS
			VN	20	-2.84	-0.001535	±2.5	PASS
			VN	30	-5.04	-0.002724	±2.5	PASS
			VN	40	-12.85	-0.006945	±2.5	PASS
			VN	50	-14.59	-0.007886	±2.5	PASS
GSM1900	TM1	MCH	VN	-30	-7.04	-0.003745	±2.5	PASS
			VN	-20	-4.20	-0.002234	±2.5	PASS
			VN	-10	-0.90	-0.000479	±2.5	PASS
			VN	0	-8.14	-0.004330	±2.5	PASS
			VN	10	-14.40	-0.007660	±2.5	PASS
			VN	20	-13.75	-0.007314	±2.5	PASS
			VN	30	-14.79	-0.007867	±2.5	PASS
			VN	40	-18.98	-0.010096	±2.5	PASS
			VN	50	-10.27	-0.005463	±2.5	PASS
GSM1900	TM1	HCH	VN	-30	-6.07	-0.003178	±2.5	PASS
			VN	-20	-6.59	-0.003451	±2.5	PASS
			VN	-10	2.00	0.001047	±2.5	PASS
			VN	0	-6.13	-0.003210	±2.5	PASS
			VN	10	-6.65	-0.003482	±2.5	PASS
			VN	20	-5.68	-0.002974	±2.5	PASS
			VN	30	-1.68	-0.000880	±2.5	PASS
			VN	40	-3.23	-0.001691	±2.5	PASS
			VN	50	-4.58	-0.002398	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM2	LCH	VN	-30	-1.49	-0.000805	±2.5	PASS
			VN	-20	-0.77	-0.000416	±2.5	PASS
			VN	-10	-4.26	-0.002302	±2.5	PASS
			VN	0	-6.39	-0.003454	±2.5	PASS
			VN	10	-6.39	-0.003454	±2.5	PASS
			VN	20	0.39	0.000211	±2.5	PASS
			VN	30	2.45	0.001324	±2.5	PASS
			VN	40	-1.68	-0.000908	±2.5	PASS
			VN	50	-2.52	-0.001362	±2.5	PASS
GSM1900	TM2	MCH	VN	-30	-4.84	-0.002574	±2.5	PASS
			VN	-20	-3.42	-0.001819	±2.5	PASS
			VN	-10	-1.68	-0.000894	±2.5	PASS
			VN	0	-5.81	-0.003090	±2.5	PASS
			VN	10	-6.65	-0.003537	±2.5	PASS
			VN	20	-2.13	-0.001133	±2.5	PASS
			VN	30	-4.26	-0.002266	±2.5	PASS
			VN	40	-2.39	-0.001271	±2.5	PASS
			VN	50	-5.29	-0.002814	±2.5	PASS
GSM1900	TM2	HCH	VN	-30	-3.36	-0.001759	±2.5	PASS
			VN	-20	-2.84	-0.001487	±2.5	PASS
			VN	-10	-2.84	-0.001487	±2.5	PASS
			VN	0	-5.17	-0.002707	±2.5	PASS
			VN	10	-10.72	-0.005613	±2.5	PASS
			VN	20	-14.85	-0.007776	±2.5	PASS
			VN	30	-1.87	-0.000979	±2.5	PASS
			VN	40	-6.59	-0.003451	±2.5	PASS
			VN	50	2.32	0.001215	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM3	LCH	VN	-30	-12.53	-0.006772	±2.5	PASS
			VN	-20	-15.01	-0.008113	±2.5	PASS
			VN	-10	-17.37	-0.009388	±2.5	PASS

			VN	0	-8.07	-0.004362	±2.5	PASS
			VN	10	-8.65	-0.004675	±2.5	PASS
			VN	20	-1.87	-0.001011	±2.5	PASS
			VN	30	-18.34	-0.009912	±2.5	PASS
			VN	40	-18.27	-0.009875	±2.5	PASS
			VN	50	-6.49	-0.003508	±2.5	PASS
GSM1900	TM3	MCH	VN	-30	-14.17	-0.007537	±2.5	PASS
			VN	-20	-12.11	-0.006441	±2.5	PASS
			VN	-10	-13.37	-0.007112	±2.5	PASS
			VN	0	-15.76	-0.008383	±2.5	PASS
			VN	10	-13.75	-0.007314	±2.5	PASS
			VN	20	-11.59	-0.006165	±2.5	PASS
			VN	30	-7.52	-0.004000	±2.5	PASS
			VN	40	-4.58	-0.002436	±2.5	PASS
			VN	50	-3.20	-0.001702	±2.5	PASS
GSM1900	TM3	HCH	VN	-30	-12.20	-0.006388	±2.5	PASS
			VN	-20	-6.01	-0.003147	±2.5	PASS
			VN	-10	-6.36	-0.003330	±2.5	PASS
			VN	0	-6.49	-0.003398	±2.5	PASS
			VN	10	-13.79	-0.007221	±2.5	PASS
			VN	20	-5.62	-0.002943	±2.5	PASS
			VN	30	-5.94	-0.003110	±2.5	PASS
			VN	40	-9.56	-0.005006	±2.5	PASS
			VN	50	-14.85	-0.007776	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM1	LCH	VN	-30	0.24	0.000295	±2.5	PASS
			VN	-20	0.50	0.000609	±2.5	PASS
			VN	-10	2.70	0.003268	±2.5	PASS
			VN	0	-0.55	-0.000665	±2.5	PASS
			VN	10	3.98	0.004819	±2.5	PASS
			VN	20	0.03	0.000037	±2.5	PASS
			VN	30	1.21	0.001459	±2.5	PASS
			VN	40	2.01	0.002437	±2.5	PASS
			VN	50	-0.46	-0.000554	±2.5	PASS

WCDMA850	TM1	MCH	VN	-30	-0.12	-0.000146	±2.5	PASS
			VN	-20	-0.53	-0.000639	±2.5	PASS
			VN	-10	1.28	0.001532	±2.5	PASS
			VN	0	0.23	0.000274	±2.5	PASS
			VN	10	3.07	0.003667	±2.5	PASS
			VN	20	5.19	0.006203	±2.5	PASS
			VN	30	3.34	0.003995	±2.5	PASS
			VN	40	2.49	0.002974	±2.5	PASS
			VN	50	-0.37	-0.000438	±2.5	PASS
WCDMA850	TM1	HCH	VN	-30	-1.56	-0.001838	±2.5	PASS
			VN	-20	3.89	0.004596	±2.5	PASS
			VN	-10	0.00	0.000000	±2.5	PASS
			VN	0	1.04	0.001226	±2.5	PASS
			VN	10	-1.56	-0.001838	±2.5	PASS
			VN	20	5.83	0.006885	±2.5	PASS
			VN	30	4.68	0.005533	±2.5	PASS
			VN	40	-2.24	-0.002649	±2.5	PASS
			VN	50	3.36	0.003965	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM1	LCH	VN	-30	0.24	0.000295	±2.5	PASS
			VN	-20	0.50	0.000609	±2.5	PASS
			VN	-10	2.70	0.003268	±2.5	PASS
			VN	0	-0.55	-0.000665	±2.5	PASS
			VN	10	3.98	0.004819	±2.5	PASS
			VN	20	0.03	0.000037	±2.5	PASS
			VN	30	1.21	0.001459	±2.5	PASS
			VN	40	2.01	0.002437	±2.5	PASS
			VN	50	-0.46	-0.000554	±2.5	PASS
WCDMA850	TM1	MCH	VN	-30	-0.12	-0.000146	±2.5	PASS
			VN	-20	-0.53	-0.000639	±2.5	PASS
			VN	-10	1.28	0.001532	±2.5	PASS
			VN	0	0.23	0.000274	±2.5	PASS
			VN	10	3.07	0.003667	±2.5	PASS
			VN	20	5.19	0.006203	±2.5	PASS

			VN	30	3.34	0.003995	±2.5	PASS
			VN	40	2.49	0.002974	±2.5	PASS
			VN	50	-0.37	-0.000438	±2.5	PASS
WCDMA850	TM1	HCH	VN	-30	-1.56	-0.001838	±2.5	PASS
			VN	-20	3.89	0.004596	±2.5	PASS
			VN	-10	0.00	0.000000	±2.5	PASS
			VN	0	1.04	0.001226	±2.5	PASS
			VN	10	-1.56	-0.001838	±2.5	PASS
			VN	20	5.83	0.006885	±2.5	PASS
			VN	30	4.68	0.005533	±2.5	PASS
			VN	40	-2.24	-0.002649	±2.5	PASS
			VN	50	3.36	0.003965	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM2	LCH	VN	-30	-46.34	-0.056076	±2.5	PASS
			VN	-20	-22.66	-0.027419	±2.5	PASS
			VN	-10	76.72	0.092838	±2.5	PASS
			VN	0	118.79	0.143744	±2.5	PASS
			VN	10	56.87	0.068816	±2.5	PASS
			VN	20	53.60	0.064865	±2.5	PASS
			VN	30	13.75	0.016636	±2.5	PASS
			VN	40	21.62	0.026164	±2.5	PASS
			VN	50	-92.74	-0.112225	±2.5	PASS
WCDMA850	TM2	MCH	VN	-30	-27.37	-0.032729	±2.5	PASS
			VN	-20	10.35	0.012369	±2.5	PASS
			VN	-10	-26.76	-0.031999	±2.5	PASS
			VN	0	-21.87	-0.026143	±2.5	PASS
			VN	10	39.28	0.046959	±2.5	PASS
			VN	20	-53.01	-0.063378	±2.5	PASS
			VN	30	34.41	0.041139	±2.5	PASS
			VN	40	-17.87	-0.021363	±2.5	PASS
			VN	50	21.18	0.025322	±2.5	PASS
WCDMA850	TM2	HCH	VN	-30	-29.88	-0.035290	±2.5	PASS
			VN	-20	35.34	0.041743	±2.5	PASS
			VN	-10	-18.17	-0.021466	±2.5	PASS
			VN	0	-120.48	-0.142314	±2.5	PASS

			VN	10	148.07	0.174901	±2.5	PASS
			VN	20	26.23	0.030983	±2.5	PASS
			VN	30	7.00	0.008273	±2.5	PASS
			VN	40	-35.37	-0.041779	±2.5	PASS
			VN	50	55.71	0.065804	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA850	TM3	LCH	VN	-30	34.44	0.041674	±2.5	PASS
			VN	-20	34.00	0.041138	±2.5	PASS
			VN	-10	-19.99	-0.024188	±2.5	PASS
			VN	0	108.76	0.131613	±2.5	PASS
			VN	10	24.66	0.029838	±2.5	PASS
			VN	20	29.17	0.035303	±2.5	PASS
			VN	30	-38.76	-0.046899	±2.5	PASS
			VN	40	14.43	0.017467	±2.5	PASS
			VN	50	65.69	0.079488	±2.5	PASS
WCDMA850	TM3	MCH	VN	-30	173.05	0.206898	±2.5	PASS
			VN	-20	-117.65	-0.140657	±2.5	PASS
			VN	-10	3.57	0.004269	±2.5	PASS
			VN	0	23.25	0.027803	±2.5	PASS
			VN	10	-24.35	-0.029116	±2.5	PASS
			VN	20	-48.07	-0.057467	±2.5	PASS
			VN	30	45.75	0.054694	±2.5	PASS
			VN	40	18.81	0.022494	±2.5	PASS
			VN	50	-72.59	-0.086784	±2.5	PASS
WCDMA850	TM3	HCH	VN	-30	131.65	0.155508	±2.5	PASS
			VN	-20	90.36	0.106736	±2.5	PASS
			VN	-10	33.68	0.039778	±2.5	PASS
			VN	0	109.54	0.129391	±2.5	PASS
			VN	10	61.74	0.072924	±2.5	PASS
			VN	20	30.18	0.035651	±2.5	PASS
			VN	30	-19.97	-0.023593	±2.5	PASS
			VN	40	-10.64	-0.012562	±2.5	PASS
			VN	50	-36.21	-0.042770	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1700	TM1	LCH	VN	-30	-1.74	-0.001016	±2.5	PASS
			VN	-20	-1.50	-0.000873	±2.5	PASS
			VN	-10	3.46	0.002023	±2.5	PASS
			VN	0	2.79	0.001631	±2.5	PASS
			VN	10	-4.10	-0.002397	±2.5	PASS
			VN	20	-9.32	-0.005444	±2.5	PASS
			VN	30	-9.95	-0.005810	±2.5	PASS
			VN	40	-6.07	-0.003546	±2.5	PASS
			VN	50	9.00	0.005257	±2.5	PASS
WCDMA1700	TM1	MCH	VN	-30	-0.32	-0.000185	±2.5	PASS
			VN	-20	10.07	0.005813	±2.5	PASS
			VN	-10	1.28	0.000740	±2.5	PASS
			VN	0	-7.28	-0.004201	±2.5	PASS
			VN	10	-4.15	-0.002395	±2.5	PASS
			VN	20	9.45	0.005451	±2.5	PASS
			VN	30	-1.97	-0.001136	±2.5	PASS
			VN	40	-3.80	-0.002193	±2.5	PASS
			VN	50	-4.21	-0.002431	±2.5	PASS
WCDMA1700	TM1	HCH	VN	-30	-0.32	-0.000183	±2.5	PASS
			VN	-20	7.51	0.004284	±2.5	PASS
			VN	-10	7.51	0.004284	±2.5	PASS
			VN	0	6.96	0.003970	±2.5	PASS
			VN	10	5.62	0.003204	±2.5	PASS
			VN	20	6.12	0.003491	±2.5	PASS
			VN	30	5.84	0.003335	±2.5	PASS
			VN	40	4.09	0.002333	±2.5	PASS
			VN	50	0.08	0.000044	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1700	TM2	LCH	VN	-30	74.84	0.043707	±2.5	PASS
			VN	-20	78.13	0.045623	±2.5	PASS
			VN	-10	47.71	0.027864	±2.5	PASS

			VN	0	-68.59	-0.040054	±2.5	PASS
			VN	10	28.72	0.016770	±2.5	PASS
			VN	20	-31.04	-0.018124	±2.5	PASS
			VN	30	-84.55	-0.049375	±2.5	PASS
			VN	40	-48.52	-0.028336	±2.5	PASS
			VN	50	37.00	0.021609	±2.5	PASS
WCDMA1700	TM2	MCH	VN	-30	23.68	0.013668	±2.5	PASS
			VN	-20	17.58	0.010146	±2.5	PASS
			VN	-10	-68.44	-0.039499	±2.5	PASS
			VN	0	-110.38	-0.063709	±2.5	PASS
			VN	10	99.20	0.057253	±2.5	PASS
			VN	20	-10.77	-0.006218	±2.5	PASS
			VN	30	-77.77	-0.044889	±2.5	PASS
			VN	40	-125.49	-0.072428	±2.5	PASS
			VN	50	14.62	0.008437	±2.5	PASS
WCDMA1700	TM2	HCH	VN	-30	-26.64	-0.015201	±2.5	PASS
			VN	-20	28.47	0.016246	±2.5	PASS
			VN	-10	60.21	0.034355	±2.5	PASS
			VN	0	4.27	0.002438	±2.5	PASS
			VN	10	-23.00	-0.013121	±2.5	PASS
			VN	20	17.00	0.009699	±2.5	PASS
			VN	30	-153.95	-0.087839	±2.5	PASS
			VN	40	-103.35	-0.058968	±2.5	PASS
			VN	50	3.89	0.002220	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1700	TM3	LCH	VN	-30	-5.05	-0.002949	±2.5	PASS
			VN	-20	134.57	0.078584	±2.5	PASS
			VN	-10	34.07	0.019898	±2.5	PASS
			VN	0	-100.54	-0.058713	±2.5	PASS
			VN	10	-24.03	-0.014034	±2.5	PASS
			VN	20	-41.76	-0.024389	±2.5	PASS
			VN	30	-129.79	-0.075795	±2.5	PASS
			VN	40	-10.16	-0.005935	±2.5	PASS
			VN	50	-29.27	-0.017091	±2.5	PASS

WCDMA1700	TM3	MCH	VN	-30	-94.67	-0.054638	±2.5	PASS
			VN	-20	-3.77	-0.002175	±2.5	PASS
			VN	-10	28.93	0.016698	±2.5	PASS
			VN	0	-18.31	-0.010568	±2.5	PASS
			VN	10	-9.89	-0.005707	±2.5	PASS
			VN	20	-33.05	-0.019076	±2.5	PASS
			VN	30	20.95	0.012092	±2.5	PASS
			VN	40	73.88	0.042643	±2.5	PASS
			VN	50	14.11	0.008146	±2.5	PASS
WCDMA1700	TM3	HCH	VN	-30	118.82	0.067797	±2.5	PASS
			VN	-20	-2.52	-0.001437	±2.5	PASS
			VN	-10	26.96	0.015384	±2.5	PASS
			VN	0	56.38	0.032170	±2.5	PASS
			VN	10	-30.55	-0.017430	±2.5	PASS
			VN	20	-54.18	-0.030916	±2.5	PASS
			VN	30	-71.46	-0.040772	±2.5	PASS
			VN	40	-63.86	-0.036436	±2.5	PASS
			VN	50	42.76	0.024395	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1900	TM1	LCH	VN	-30	-6.64	-0.003583	±2.5	PASS
			VN	-20	6.90	0.003723	±2.5	PASS
			VN	-10	7.51	0.004053	±2.5	PASS
			VN	0	-4.84	-0.002611	±2.5	PASS
			VN	10	1.37	0.000741	±2.5	PASS
			VN	20	2.67	0.001442	±2.5	PASS
			VN	30	-6.15	-0.003320	±2.5	PASS
			VN	40	9.72	0.005247	±2.5	PASS
			VN	50	3.14	0.001697	±2.5	PASS
WCDMA1900	TM1	MCH	VN	-30	2.04	0.001088	±2.5	PASS
			VN	-20	5.49	0.002922	±2.5	PASS
			VN	-10	-7.98	-0.004245	±2.5	PASS
			VN	0	-7.55	-0.004018	±2.5	PASS
			VN	10	-1.92	-0.001023	±2.5	PASS
			VN	20	-3.98	-0.002118	±2.5	PASS
			VN	30	-0.66	-0.000349	±2.5	PASS
			VN	40	-0.90	-0.000479	±2.5	PASS
			VN	50	0.82	0.000438	±2.5	PASS
WCDMA1900	TM1	HCH	VN	-30	2.14	0.001120	±2.5	PASS
			VN	-20	0.78	0.000408	±2.5	PASS
			VN	-10	0.50	0.000264	±2.5	PASS
			VN	0	3.34	0.001752	±2.5	PASS
			VN	10	-3.48	-0.001824	±2.5	PASS
			VN	20	-7.74	-0.004055	±2.5	PASS
			VN	30	4.17	0.002184	±2.5	PASS
			VN	40	-1.51	-0.000792	±2.5	PASS
			VN	50	1.42	0.000744	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1900	TM2	LCH	VN	-30	45.70	0.024671	±2.5	PASS
			VN	-20	-18.02	-0.009728	±2.5	PASS
			VN	-10	143.74	0.077595	±2.5	PASS
			VN	0	64.83	0.035000	±2.5	PASS

			VN	10	70.76	0.038196	±2.5	PASS
			VN	20	-20.19	-0.010898	±2.5	PASS
			VN	30	-46.19	-0.024934	±2.5	PASS
			VN	40	-42.48	-0.022933	±2.5	PASS
			VN	50	14.92	0.008056	±2.5	PASS
WCDMA1900	TM2	MCH	VN	-30	-149.12	-0.079321	±2.5	PASS
			VN	-20	50.86	0.027052	±2.5	PASS
			VN	-10	83.86	0.044608	±2.5	PASS
			VN	0	52.08	0.027701	±2.5	PASS
			VN	10	-48.81	-0.025964	±2.5	PASS
			VN	20	-81.30	-0.043244	±2.5	PASS
			VN	30	42.80	0.022766	±2.5	PASS
			VN	40	-4.59	-0.002443	±2.5	PASS
			VN	50	27.50	0.014626	±2.5	PASS
WCDMA1900	TM2	HCH	VN	-30	-7.28	-0.003815	±2.5	PASS
			VN	-20	0.15	0.000080	±2.5	PASS
			VN	-10	54.47	0.028556	±2.5	PASS
			VN	0	75.73	0.039699	±2.5	PASS
			VN	10	-71.01	-0.037227	±2.5	PASS
			VN	20	44.97	0.023573	±2.5	PASS
			VN	30	66.25	0.034731	±2.5	PASS
			VN	40	-8.64	-0.004527	±2.5	PASS
			VN	50	-39.05	-0.020469	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1900	TM3	LCH	VN	-30	79.91	0.043139	±2.5	PASS
			VN	-20	3.60	0.001944	±2.5	PASS
			VN	-10	0.05	0.000025	±2.5	PASS
			VN	0	-26.73	-0.014432	±2.5	PASS
			VN	10	-4.24	-0.002290	±2.5	PASS
			VN	20	-75.67	-0.040849	±2.5	PASS
			VN	30	2.66	0.001433	±2.5	PASS
			VN	40	-12.36	-0.006672	±2.5	PASS
			VN	50	22.92	0.012372	±2.5	PASS
WCDMA1900	TM3	MCH	VN	-30	-30.55	-0.016249	±2.5	PASS
			VN	-20	8.15	0.004334	±2.5	PASS

			VN	-10	18.34	0.009756	±2.5	PASS
			VN	0	-15.44	-0.008214	±2.5	PASS
			VN	10	-91.54	-0.048690	±2.5	PASS
			VN	20	4.35	0.002313	±2.5	PASS
			VN	30	-75.13	-0.039965	±2.5	PASS
			VN	40	-56.53	-0.030071	±2.5	PASS
			VN	50	10.38	0.005519	±2.5	PASS
WCDMA1900	TM3	HCH	VN	-30	3.71	0.001944	±2.5	PASS
			VN	-20	-13.24	-0.006943	±2.5	PASS
			VN	-10	-94.36	-0.049465	±2.5	PASS
			VN	0	9.80	0.005135	±2.5	PASS
			VN	10	-42.77	-0.022421	±2.5	PASS
			VN	20	-17.58	-0.009215	±2.5	PASS
			VN	30	-71.01	-0.037227	±2.5	PASS
			VN	40	-122.06	-0.063984	±2.5	PASS
			VN	50	-166.56	-0.087316	±2.5	PASS

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

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	peak	120kHz	300kHz	Peak
Above 1GHz	Peak	1MHz	3MHz	Peak

Measurement Procedure:

Test procedure as below:

The EUT was powered ON and placed on a 1.5m hight 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.

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.

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.

Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.

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.

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.

The output power into the substitution antenna was then measured.

Steps 6) and 7)were repeated with both antennas polarized.

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.

Test the EUT in the lowest channel, the middle channel the Highest channel

) 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.

) Repeat above procedures until all frequencies measured was complete.

Limit:

Mode	GSM850/WCDMA/ HSDPA/HSUPA Band V	GSM1900/WCDMA/ HSDPA/HSUPA Band II	WCDMA Band IV
Frequency	824 – 849MHz	1850 – 1910MHz	1710 – 1755MHz
Limit	38.45dBm（7W）	33.01dBm（2W）	30dBm （1W）

Measurement Data

GSM 850 (Voice)							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
128/824.2	150	347	29.22	38.45	9.23	Pass	H
	150	211	24.13	38.45	14.32	Pass	V
190/836.6	150	231	29.01	38.45	9.44	Pass	H
	150	336	23.11	38.45	15.34	Pass	V
251/848.8	150	215	28.19	38.45	10.26	Pass	H
	150	345	23.69	38.45	14.76	Pass	V

GPRS 850							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
128/824.2	150	43	24.55	38.45	13.90	Pass	H
	150	213	19.98	38.45	18.47	Pass	V
190/836.6	150	348	24.45	38.45	14.00	Pass	H
	150	211	19.34	38.45	19.11	Pass	V
251/848.8	150	344	24.31	38.45	14.14	Pass	H
	150	213	19.21	38.45	19.24	Pass	V

EDGE 850							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
128/824.2	150	43	21.31	38.45	17.14	Pass	H
	150	212	16.97	38.45	21.48	Pass	V
190/836.6	150	9	21.45	38.45	17.00	Pass	H
	150	215	16.86	38.45	21.59	Pass	V
251/848.8	150	344	21.20	38.45	17.25	Pass	H
	150	213	16.23	38.45	22.22	Pass	V

WCDMA band V							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
4132/ 826.4	150	348	20.98	38.45	17.47	Pass	H
	150	209	17.22	38.45	21.23	Pass	V
4182/ 836.6	150	344	20.72	38.45	17.73	Pass	H
	150	215	17.01	38.45	21.44	Pass	V
4233/ 846.6	150	42	20.85	38.45	17.60	Pass	H
	150	213	17.11	38.45	21.34	Pass	V

HSDPA band V							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
4132/ 826.4	150	3	17.98	38.45	20.47	Pass	H
	150	209	13.45	38.45	25.00	Pass	V
4182/ 836.6	150	344	18.65	38.45	19.80	Pass	H
	150	213	13.44	38.45	25.01	Pass	V
4233/ 846.6	150	337	18.34	38.45	20.11	Pass	H
	150	209	13.82	38.45	24.63	Pass	V

HSUPA band V							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
4132/ 826.4	150	100	17.22	38.45	21.23	Pass	H
	150	254	13.23	38.45	25.22	Pass	V
4182/ 836.6	150	121	17.36	38.45	21.09	Pass	H
	150	3	13.26	38.45	25.19	Pass	V
4233/ 846.6	150	119	17.40	38.45	21.05	Pass	H
	150	23	13.28	38.45	25.17	Pass	V

GSM 1900 (Voice)							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
512/1850.2	150	135	26.39	33.01	6.62	Pass	H
	150	238	22.25	33.01	10.76	Pass	V
661/1880.0	150	122	26.33	33.01	6.68	Pass	H
	150	240	22.31	33.01	10.70	Pass	V
810/1909.8	150	119	26.78	33.01	6.23	Pass	H
	150	25	22.50	33.01	10.51	Pass	V

GPRS 1900							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
512/1850.2	150	122	24.98	33.01	8.03	Pass	H
	150	238	22.12	33.01	10.89	Pass	V
661/1880.0	150	120	25.33	33.01	7.68	Pass	H
	150	238	22.21	33.01	10.80	Pass	V
810/1909.8	150	99	24.92	33.01	8.09	Pass	H
	150	236	22.13	33.01	10.88	Pass	V

EDGE1900							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
512/1850.2	150	122	24.22	33.01	8.79	Pass	H
	150	238	22.02	33.01	10.99	Pass	V
661/1880.0	150	119	25.01	33.01	8.00	Pass	H
	150	23	22.19	33.01	10.82	Pass	V
810/1909.8	150	123	24.39	33.01	8.62	Pass	H
	150	15	22.02	33.01	10.99	Pass	V

WCDMA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	120	21.21	33.01	11.80	Pass	H
	150	240	16.34	33.01	16.67	Pass	V
9400/1880.0	150	121	21.82	33.01	11.19	Pass	H
	150	239	16.44	33.01	16.57	Pass	V
9538/1907.6	150	121	21.76	33.01	11.25	Pass	H
	150	236	16.56	33.01	16.45	Pass	V

HSDPA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	356	19.33	33.01	13.68	Pass	H
	150	17	15.02	33.01	17.99	Pass	V
9400/1880.0	150	337	19.43	33.01	13.58	Pass	H
	150	359	15.23	33.01	17.78	Pass	V
9538/1907.6	150	150	19.32	33.01	13.69	Pass	H
	150	19	15.41	33.01	17.60	Pass	V

HSUPA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	338	19.21	33.01	13.80	Pass	H
	150	110	15.26	33.01	17.75	Pass	V
9400/1880.0	150	358	19.35	33.01	13.66	Pass	H
	150	16	15.34	33.01	17.67	Pass	V
9538/1907.6	150	342	19.29	33.01	13.72	Pass	H
	150	120	15.23	33.01	17.78	Pass	V

WCDMA band IV							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1312/1712.4	250	357	18.44	30.00	11.56	Pass	H
	200	16	15.42	30.00	14.58	Pass	V
1413/1732.6	150	340	18.53	30.00	11.47	Pass	H
	200	356	15.32	30.00	14.68	Pass	V
1513/1752.6	150	337	18.42	30.00	11.58	Pass	H
	150	357	15.23	30.00	14.77	Pass	V

HSDPA band IV							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1312/1712.4	250	338	17.87	30.00	12.13	Pass	H
	200	356	14.79	30.00	15.21	Pass	V
1413/1732.6	150	337	17.73	30.00	12.27	Pass	H
	200	357	14.52	30.00	15.48	Pass	V
1513/1752.6	150	358	17.66	30.00	12.34	Pass	H
	150	357	14.46	30.00	15.54	Pass	V

HSUPA band IV							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
1312/1712.4	250	89	17.67	30.00	12.33	Pass	H
	200	123	14.33	30.00	15.67	Pass	V
1413/1732.6	150	116	17.87	30.00	12.13	Pass	H
	200	162	14.21	30.00	15.79	Pass	V
1513/1752.6	150	72	17.55	30.00	12.45	Pass	H
	150	122	14.32	30.00	15.68	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:

The EUT was powered ON and placed on a 1.5m hight 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.

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.

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.

Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.

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.

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.

The output power into the substitution antenna was then measured.

Steps 6) and 7)were repeated with both antennas polarized.

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.

) Test the EUT in the lowest channel, the middle channel the Highest channel

) 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.

) Repeat above procedures until all frequencies measured was complete.

Limit: Attenuated at least 43+10log(P)

Test Data:

Mode:		GSM Traffic						
Band:		850		Channel:		128		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.9860	150	119	-78.07	-13.00	65.07	Pass	Horizontal
2	89.5699	150	13	-77.73	-13.00	64.73	Pass	Horizontal
3	156.7073	150	1	-67.34	-13.00	54.34	Pass	Horizontal
4	175.9172	150	48	-67.33	-13.00	54.33	Pass	Horizontal
5	375.0010	150	353	-73.55	-13.00	60.55	Pass	Horizontal
6	584.9510	150	295	-62.20	-13.00	49.20	Pass	Horizontal
7	1648.4000	150	260	-51.95	-13.00	38.95	Pass	Horizontal
8	2472.6000	150	318	-50.66	-13.00	37.66	Pass	Horizontal
9	3296.8000	150	15	-49.48	-13.00	36.48	Pass	Horizontal
10	6381.1691	150	188	-45.55	-13.00	32.55	Pass	Horizontal
11	11724.4362	150	247	-36.33	-13.00	23.33	Pass	Horizontal
12	15064.3532	150	226	-29.58	-13.00	16.58	Pass	Horizontal

Mode:		GSM Traffic						
Band:		850		Channel:		128		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.5979	150	24	-65.70	-13.00	52.70	Pass	Vertical
2	69.9720	150	330	-71.48	-13.00	58.48	Pass	Vertical
3	208.9038	150	59	-68.68	-13.00	55.68	Pass	Vertical
4	360.0600	150	24	-77.59	-13.00	64.59	Pass	Vertical
5	584.9510	150	271	-68.01	-13.00	55.01	Pass	Vertical
6	687.5975	150	317	-67.13	-13.00	54.13	Pass	Vertical
7	1648.4000	150	236	-52.85	-13.00	39.85	Pass	Vertical
8	2472.6000	150	154	-50.20	-13.00	37.20	Pass	Vertical
9	3296.8000	150	16	-46.17	-13.00	33.17	Pass	Vertical
10	4121.3061	150	304	-40.96	-13.00	27.96	Pass	Vertical
11	11509.1755	150	208	-37.20	-13.00	24.20	Pass	Vertical
12	14896.3448	150	149	-30.11	-13.00	17.11	Pass	Vertical

Mode:		GSM Traffic						
Band:		850		Channel:		190		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	63.1806	150	36	-78.34	-13.00	65.34	Pass	Horizontal
2	156.1252	150	13	-67.12	-13.00	54.12	Pass	Horizontal
3	173.3947	150	13	-67.18	-13.00	54.18	Pass	Horizontal
4	375.0010	150	333	-73.65	-13.00	60.65	Pass	Horizontal
5	476.2893	150	123	-73.24	-13.00	60.24	Pass	Horizontal
6	584.9510	150	308	-61.70	-13.00	48.70	Pass	Horizontal
7	1673.2000	150	214	-53.12	-13.00	40.12	Pass	Horizontal
8	2509.8000	150	1	-48.52	-13.00	35.52	Pass	Horizontal
9	3346.4000	150	167	-50.60	-13.00	37.60	Pass	Horizontal
10	4182.8091	150	129	-44.34	-13.00	31.34	Pass	Horizontal
11	8122.0061	150	342	-41.75	-13.00	28.75	Pass	Horizontal
12	14748.5874	150	264	-30.05	-13.00	17.05	Pass	Horizontal

Mode:		GSM Traffic						
Band:		850		Channel:		190		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.1502	150	133	-64.93	-13.00	51.93	Pass	Vertical
2	69.5839	150	320	-71.20	-13.00	58.20	Pass	Vertical
3	208.9038	150	204	-68.34	-13.00	55.34	Pass	Vertical
4	411.4803	150	133	-75.95	-13.00	62.95	Pass	Vertical
5	584.9510	150	157	-64.16	-13.00	51.16	Pass	Vertical
6	687.5975	150	309	-67.39	-13.00	54.39	Pass	Vertical
7	1673.2000	150	169	-52.42	-13.00	39.42	Pass	Vertical
8	2509.8000	150	169	-49.69	-13.00	36.69	Pass	Vertical
9	3346.4000	150	209	-46.09	-13.00	33.09	Pass	Vertical
10	4182.8091	150	112	-41.44	-13.00	28.44	Pass	Vertical
11	7961.4981	150	304	-41.79	-13.00	28.79	Pass	Vertical
12	15031.3516	150	74	-29.74	-13.00	16.74	Pass	Vertical

Mode:		GSM Traffic						
Band:		850		Channel:		251		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.0340	150	162	-74.92	-13.00	61.92	Pass	Horizontal
2	155.5431	150	349	-66.84	-13.00	53.84	Pass	Horizontal
3	171.8424	150	23	-67.09	-13.00	54.09	Pass	Horizontal
4	360.0600	150	190	-72.84	-13.00	59.84	Pass	Horizontal
5	584.9510	150	199	-70.85	-13.00	57.85	Pass	Horizontal
6	687.5975	150	88	-69.98	-13.00	56.98	Pass	Horizontal
7	1697.6000	150	256	-51.55	-13.00	38.55	Pass	Horizontal
8	2546.4000	150	0	-49.07	-13.00	36.07	Pass	Horizontal
9	3395.2000	150	61	-47.90	-13.00	34.90	Pass	Horizontal
10	4243.5622	150	246	-43.61	-13.00	30.61	Pass	Horizontal
11	8119.0060	150	30	-42.20	-13.00	29.20	Pass	Horizontal
12	15101.8551	150	184	-29.30	-13.00	16.30	Pass	Horizontal

Mode:		GSM Traffic						
Band:		850		Channel:		251		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.0158	150	68	-66.56	-13.00	53.56	Pass	Vertical
2	167.9616	150	340	-71.89	-13.00	58.89	Pass	Vertical
3	208.9038	150	180	-67.91	-13.00	54.91	Pass	Vertical
4	290.0120	150	3	-76.38	-13.00	63.38	Pass	Vertical
5	360.0600	150	86	-75.71	-13.00	62.71	Pass	Vertical
6	584.9510	150	151	-64.11	-13.00	51.11	Pass	Vertical
7	1697.6000	150	340	-50.61	-13.00	37.61	Pass	Vertical
8	2546.4000	150	77	-48.60	-13.00	35.60	Pass	Vertical
9	3395.2000	150	319	-45.82	-13.00	32.82	Pass	Vertical
10	4244.3122	150	15	-39.30	-13.00	26.30	Pass	Vertical
11	8152.7576	150	289	-41.86	-13.00	28.86	Pass	Vertical
12	15090.6045	150	15	-28.99	-13.00	15.99	Pass	Vertical

Mode:		GPRS Traffic						
Band:		850		Channel:		128		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.9416	150	161	-77.88	-13.00	64.88	Pass	Horizontal
2	110.5261	150	13	-77.36	-13.00	64.36	Pass	Horizontal
3	164.6629	150	180	-59.34	-13.00	46.34	Pass	Horizontal
4	358.8958	150	115	-71.89	-13.00	58.89	Pass	Horizontal
5	477.8416	150	115	-73.20	-13.00	60.20	Pass	Horizontal
6	687.5975	150	152	-70.78	-13.00	57.78	Pass	Horizontal
7	1648.4000	150	32	-54.26	-13.00	41.26	Pass	Horizontal
8	2472.6000	150	244	-50.38	-13.00	37.38	Pass	Horizontal
9	3296.8000	150	213	-49.22	-13.00	36.22	Pass	Horizontal
10	5183.3592	150	213	-46.80	-13.00	33.80	Pass	Horizontal
11	8842.0421	150	243	-40.39	-13.00	27.39	Pass	Horizontal
12	15104.1052	150	30	-29.78	-13.00	16.78	Pass	Horizontal

Mode:		GPRS Traffic						
Band:		850		Channel:		128		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	266	-66.93	-13.00	53.93	Pass	Vertical
2	69.9720	150	285	-70.29	-13.00	57.29	Pass	Vertical
3	162.9166	150	359	-62.77	-13.00	49.77	Pass	Vertical
4	208.9038	150	0	-68.41	-13.00	55.41	Pass	Vertical
5	360.0600	150	71	-74.57	-13.00	61.57	Pass	Vertical
6	687.5975	150	43	-68.77	-13.00	55.77	Pass	Vertical
7	1648.4000	150	359	-53.10	-13.00	40.10	Pass	Vertical
8	2472.6000	150	25	-50.16	-13.00	37.16	Pass	Vertical
9	3296.8000	150	1	-49.60	-13.00	36.60	Pass	Vertical
10	6326.4163	150	213	-45.64	-13.00	32.64	Pass	Vertical
11	11567.6784	150	336	-37.08	-13.00	24.08	Pass	Vertical
12	15050.1025	150	183	-29.74	-13.00	16.74	Pass	Vertical

Mode:		GPRS Traffic						
Band:		850		Channel:		190		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.7920	150	32	-78.13	-13.00	65.13	Pass	Horizontal
2	162.3345	150	135	-59.18	-13.00	46.18	Pass	Horizontal
3	359.8660	150	107	-72.61	-13.00	59.61	Pass	Horizontal
4	477.2595	150	125	-72.75	-13.00	59.75	Pass	Horizontal
5	584.9510	150	228	-69.18	-13.00	56.18	Pass	Horizontal
6	687.5975	150	153	-70.80	-13.00	57.80	Pass	Horizontal
7	1673.2000	150	218	-53.41	-13.00	40.41	Pass	Horizontal
8	2509.8000	150	237	-48.96	-13.00	35.96	Pass	Horizontal
9	3346.4000	150	92	-50.09	-13.00	37.09	Pass	Horizontal
10	5526.1263	150	137	-46.82	-13.00	33.82	Pass	Horizontal
11	9561.3281	150	75	-39.67	-13.00	26.67	Pass	Horizontal
12	15035.8518	150	61	-29.82	-13.00	16.82	Pass	Horizontal

Mode:		GPRS Traffic						
Band:		850		Channel:		190		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	48.4337	150	247	-66.28	-13.00	53.28	Pass	Vertical
2	69.3899	150	4	-70.91	-13.00	57.91	Pass	Vertical
3	164.6629	150	125	-62.67	-13.00	49.67	Pass	Vertical
4	208.9038	150	265	-68.73	-13.00	55.73	Pass	Vertical
5	360.0600	150	61	-75.79	-13.00	62.79	Pass	Vertical
6	584.9510	150	293	-69.66	-13.00	56.66	Pass	Vertical
7	1673.2000	150	172	-52.46	-13.00	39.46	Pass	Vertical
8	2509.8000	150	340	-49.04	-13.00	36.04	Pass	Vertical
9	3346.4000	150	246	-49.47	-13.00	36.47	Pass	Vertical
10	4752.8376	150	215	-46.46	-13.00	33.46	Pass	Vertical
11	8146.0073	150	30	-41.65	-13.00	28.65	Pass	Vertical
12	15066.6033	150	353	-29.11	-13.00	16.11	Pass	Vertical

Mode:		GPRS Traffic						
Band:		850		Channel:		251		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.9860	150	56	-78.54	-13.00	65.54	Pass	Horizontal
2	104.3169	150	19	-76.57	-13.00	63.57	Pass	Horizontal
3	160.3941	150	359	-50.34	-13.00	37.34	Pass	Horizontal
4	375.0010	150	130	-72.06	-13.00	59.06	Pass	Horizontal
5	479.5879	150	1	-71.90	-13.00	58.90	Pass	Horizontal
6	687.5975	150	10	-70.77	-13.00	57.77	Pass	Horizontal
7	1697.6000	150	213	-53.74	-13.00	40.74	Pass	Horizontal
8	2546.4000	150	19	-50.16	-13.00	37.16	Pass	Horizontal
9	3395.2000	150	130	-50.29	-13.00	37.29	Pass	Horizontal
10	5517.8759	150	344	-46.86	-13.00	33.86	Pass	Horizontal
11	9742.0871	150	36	-38.68	-13.00	25.68	Pass	Horizontal
12	15024.6012	150	130	-29.57	-13.00	16.57	Pass	Horizontal

Mode:		GPRS Traffic						
Band:		850		Channel:		251		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.1502	150	142	-66.51	-13.00	53.51	Pass	Vertical
2	167.7676	150	12	-57.40	-13.00	44.40	Pass	Vertical
3	208.9038	150	67	-68.14	-13.00	55.14	Pass	Vertical
4	290.0120	150	21	-76.57	-13.00	63.57	Pass	Vertical
5	399.2559	150	39	-75.95	-13.00	62.95	Pass	Vertical
6	687.5975	150	312	-67.43	-13.00	54.43	Pass	Vertical
7	1697.6000	150	67	-51.94	-13.00	38.94	Pass	Vertical
8	2546.4000	150	350	-48.64	-13.00	35.64	Pass	Vertical
9	3395.2000	150	12	-49.88	-13.00	36.88	Pass	Vertical
10	5534.3767	150	189	-47.51	-13.00	34.51	Pass	Vertical
11	10240.1120	150	74	-39.24	-13.00	26.24	Pass	Vertical
12	15122.1061	150	12	-29.58	-13.00	16.58	Pass	Vertical

Mode:		EGPRS Traffic						
Band:		850		Channel:		128		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.1800	150	30	-76.87	-13.00	63.87	Pass	Horizontal
2	133.6167	150	358	-67.16	-13.00	54.16	Pass	Horizontal
3	158.6477	150	349	-59.13	-13.00	46.13	Pass	Horizontal
4	182.3205	150	151	-58.77	-13.00	45.77	Pass	Horizontal
5	478.6177	150	133	-73.13	-13.00	60.13	Pass	Horizontal
6	687.5975	150	179	-70.53	-13.00	57.53	Pass	Horizontal
7	1648.4000	150	255	-53.75	-13.00	40.75	Pass	Horizontal
8	2472.6000	150	199	-50.50	-13.00	37.50	Pass	Horizontal
9	3296.8000	150	344	-50.70	-13.00	37.70	Pass	Horizontal
10	4749.8375	150	266	-47.08	-13.00	34.08	Pass	Horizontal
11	8118.2559	150	1	-42.18	-13.00	29.18	Pass	Horizontal
12	15065.1033	150	316	-29.63	-13.00	16.63	Pass	Horizontal

Mode:		EGPRS Traffic						
Band:		850		Channel:		128		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.5681	150	162	-66.72	-13.00	53.72	Pass	Vertical
2	173.0066	150	292	-64.01	-13.00	51.01	Pass	Vertical
3	208.9038	150	236	-68.59	-13.00	55.59	Pass	Vertical
4	290.0120	150	330	-76.84	-13.00	63.84	Pass	Vertical
5	399.2559	150	330	-75.64	-13.00	62.64	Pass	Vertical
6	584.9510	150	162	-67.13	-13.00	54.13	Pass	Vertical
7	1648.4000	150	133	-52.70	-13.00	39.70	Pass	Vertical
8	2472.6000	150	162	-48.55	-13.00	35.55	Pass	Vertical
9	3296.8000	150	267	-48.88	-13.00	35.88	Pass	Vertical
10	4774.5887	150	330	-47.12	-13.00	34.12	Pass	Vertical
11	8120.5060	150	109	-42.01	-13.00	29.01	Pass	Vertical
12	14920.3460	150	221	-28.86	-13.00	15.86	Pass	Vertical

Mode:		EGPRS Traffic						
Band:		850		Channel:		190		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.4039	150	279	-78.48	-13.00	65.48	Pass	Horizontal
2	120.0340	150	186	-76.72	-13.00	63.72	Pass	Horizontal
3	180.9622	150	28	-67.38	-13.00	54.38	Pass	Horizontal
4	375.0010	150	10	-73.66	-13.00	60.66	Pass	Horizontal
5	477.0654	150	139	-74.29	-13.00	61.29	Pass	Horizontal
6	687.5975	150	242	-71.75	-13.00	58.75	Pass	Horizontal
7	1160.2160	150	65	-49.39	-13.00	36.39	Pass	Horizontal
8	1673.2000	150	279	-52.72	-13.00	39.72	Pass	Horizontal
9	2509.8000	150	334	-50.19	-13.00	37.19	Pass	Horizontal
10	3346.4000	150	69	-50.52	-13.00	37.52	Pass	Horizontal
11	8027.5014	150	285	-41.85	-13.00	28.85	Pass	Horizontal
12	14894.8447	150	207	-29.52	-13.00	16.52	Pass	Horizontal

Mode:		EGPRS Traffic						
Band:		850		Channel:		190		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	170	-66.55	-13.00	53.55	Pass	Vertical
2	71.5243	150	30	-71.98	-13.00	58.98	Pass	Vertical
3	208.9038	150	179	-68.64	-13.00	55.64	Pass	Vertical
4	360.0600	150	96	-74.54	-13.00	61.54	Pass	Vertical
5	479.9760	150	356	-71.20	-13.00	58.20	Pass	Vertical
6	584.9510	150	161	-69.67	-13.00	56.67	Pass	Vertical
7	1296.2296	150	225	-48.52	-13.00	35.52	Pass	Vertical
8	1673.2000	150	179	-52.40	-13.00	39.40	Pass	Vertical
9	2509.8000	150	1	-50.08	-13.00	37.08	Pass	Vertical
10	3346.4000	150	145	-49.34	-13.00	36.34	Pass	Vertical
11	8071.0036	150	145	-41.72	-13.00	28.72	Pass	Vertical
12	14849.8425	150	7	-29.26	-13.00	16.26	Pass	Vertical

Mode:		EGPRS Traffic						
Band:		850		Channel:		251		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	48.6277	150	141	-78.20	-13.00	65.20	Pass	Horizontal
2	120.0340	150	198	-75.80	-13.00	62.80	Pass	Horizontal
3	179.2158	150	11	-67.47	-13.00	54.47	Pass	Horizontal
4	375.0010	150	356	-71.77	-13.00	58.77	Pass	Horizontal
5	584.9510	150	113	-65.82	-13.00	52.82	Pass	Horizontal
6	762.4965	150	290	-71.29	-13.00	58.29	Pass	Horizontal
7	1697.6000	150	360	-53.52	-13.00	40.52	Pass	Horizontal
8	2546.4000	150	95	-48.81	-13.00	35.81	Pass	Horizontal
9	3395.2000	150	161	-49.39	-13.00	36.39	Pass	Horizontal
10	5902.6451	150	21	-46.99	-13.00	33.99	Pass	Horizontal
11	8153.5077	150	268	-41.87	-13.00	28.87	Pass	Horizontal
12	15055.3528	150	223	-29.37	-13.00	16.37	Pass	Horizontal

Mode:		EGPRS Traffic						
Band:		850		Channel:		251		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	198	-67.18	-13.00	54.18	Pass	Vertical
2	69.9720	150	124	-70.96	-13.00	57.96	Pass	Vertical
3	208.9038	150	30	-68.85	-13.00	55.85	Pass	Vertical
4	360.0600	150	142	-75.32	-13.00	62.32	Pass	Vertical
5	411.4803	150	198	-75.30	-13.00	62.30	Pass	Vertical
6	687.5975	150	133	-68.85	-13.00	55.85	Pass	Vertical
7	1697.6000	150	235	-52.45	-13.00	39.45	Pass	Vertical
8	2546.4000	150	86	-49.33	-13.00	36.33	Pass	Vertical
9	3395.2000	150	316	-49.89	-13.00	36.89	Pass	Vertical
10	4956.0978	150	254	-47.33	-13.00	34.33	Pass	Vertical
11	8051.5026	150	192	-41.77	-13.00	28.77	Pass	Vertical
12	14574.5787	150	69	-29.86	-13.00	16.86	Pass	Vertical

Mode:		GSM Traffic						
Band:		1900		Channel:		512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.7476	150	354	-78.70	-13.00	65.70	Pass	Horizontal
2	141.5723	150	177	-57.11	-13.00	44.11	Pass	Horizontal
3	169.7079	150	1	-52.49	-13.00	39.49	Pass	Horizontal
4	266.7273	150	177	-74.25	-13.00	61.25	Pass	Horizontal
5	527.5155	150	107	-69.77	-13.00	56.77	Pass	Horizontal
6	779.9600	150	237	-72.30	-13.00	59.30	Pass	Horizontal
7	1342.6343	150	213	-48.34	-13.00	35.34	Pass	Horizontal
8	3700.4000	150	247	-50.47	-13.00	37.47	Pass	Horizontal
9	5550.6000	150	63	-48.86	-13.00	35.86	Pass	Horizontal
10	7400.8000	150	147	-46.07	-13.00	33.07	Pass	Horizontal
11	10756.8878	150	88	-38.91	-13.00	25.91	Pass	Horizontal
12	14981.0991	150	265	-29.95	-13.00	16.95	Pass	Horizontal

Mode:		GSM Traffic						
Band:		1900		Channel:		512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.2847	150	270	-66.85	-13.00	53.85	Pass	Vertical
2	169.3199	150	73	-69.44	-13.00	56.44	Pass	Vertical
3	208.9038	150	158	-68.48	-13.00	55.48	Pass	Vertical
4	360.0600	150	158	-76.10	-13.00	63.10	Pass	Vertical
5	411.4803	150	26	-74.90	-13.00	61.90	Pass	Vertical
6	796.4533	150	14	-67.26	-13.00	54.26	Pass	Vertical
7	1294.0294	150	195	-48.80	-13.00	35.80	Pass	Vertical
8	3700.4000	150	162	-50.87	-13.00	37.87	Pass	Vertical
9	5550.6000	150	14	-49.85	-13.00	36.85	Pass	Vertical
10	7400.8000	150	141	-46.28	-13.00	33.28	Pass	Vertical
11	11285.6643	150	0	-37.61	-13.00	24.61	Pass	Vertical
12	14984.8492	150	162	-29.21	-13.00	16.21	Pass	Vertical

Mode:		GSM Traffic						
Band:		1900		Channel:		661		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	169	-77.42	-13.00	64.42	Pass	Horizontal
2	143.5127	150	28	-70.30	-13.00	57.30	Pass	Horizontal
3	180.9622	150	346	-66.21	-13.00	53.21	Pass	Horizontal
4	357.3435	150	334	-69.54	-13.00	56.54	Pass	Horizontal
5	584.9510	150	63	-72.33	-13.00	59.33	Pass	Horizontal
6	687.5975	150	240	-71.02	-13.00	58.02	Pass	Horizontal
7	1294.6295	150	204	-48.24	-13.00	35.24	Pass	Horizontal
8	3760.0000	150	95	-49.46	-13.00	36.46	Pass	Horizontal
9	5640.0000	150	307	-50.35	-13.00	37.35	Pass	Horizontal
10	7520.0000	150	352	-45.81	-13.00	32.81	Pass	Horizontal
11	9700.8350	150	352	-38.85	-13.00	25.85	Pass	Horizontal
12	15032.8516	150	190	-29.14	-13.00	16.14	Pass	Horizontal

Mode:		GSM Traffic						
Band:		1900		Channel:		661		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.2847	150	102	-65.96	-13.00	52.96	Pass	Vertical
2	71.9124	150	44	-70.96	-13.00	57.96	Pass	Vertical
3	208.9038	150	149	-68.79	-13.00	55.79	Pass	Vertical
4	360.0600	150	91	-73.99	-13.00	60.99	Pass	Vertical
5	597.7576	150	9	-73.15	-13.00	60.15	Pass	Vertical
6	687.5975	150	359	-69.37	-13.00	56.37	Pass	Vertical
7	1395.0395	150	126	-47.96	-13.00	34.96	Pass	Vertical
8	3760.0000	150	304	-50.45	-13.00	37.45	Pass	Vertical
9	5640.0000	150	189	-50.40	-13.00	37.40	Pass	Vertical
10	7520.0000	150	266	-44.51	-13.00	31.51	Pass	Vertical
11	11275.9138	150	359	-36.98	-13.00	23.98	Pass	Vertical
12	15115.3558	150	227	-29.97	-13.00	16.97	Pass	Vertical

Mode:		GSM Traffic						
Band:		1900		Channel:		810		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	56.0012	150	115	-77.88	-13.00	64.88	Pass	Horizontal
2	120.0340	150	150	-70.39	-13.00	57.39	Pass	Horizontal
3	180.9622	150	32	-65.29	-13.00	52.29	Pass	Horizontal
4	356.9554	150	350	-69.31	-13.00	56.31	Pass	Horizontal
5	531.2022	150	80	-74.83	-13.00	61.83	Pass	Horizontal
6	687.5975	150	208	-71.03	-13.00	58.03	Pass	Horizontal
7	1310.2310	150	80	-48.00	-13.00	35.00	Pass	Horizontal
8	3819.6000	150	268	-50.04	-13.00	37.04	Pass	Horizontal
9	5729.4000	150	96	-50.38	-13.00	37.38	Pass	Horizontal
10	7639.2000	150	250	-44.47	-13.00	31.47	Pass	Horizontal
11	11488.9244	150	18	-36.96	-13.00	23.96	Pass	Horizontal
12	14973.5987	150	360	-29.63	-13.00	16.63	Pass	Horizontal

Mode:		GSM Traffic						
Band:		1900		Channel:		810		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.7025	150	54	-65.81	-13.00	52.81	Pass	Vertical
2	83.5547	150	30	-74.84	-13.00	61.84	Pass	Vertical
3	208.9038	150	171	-68.57	-13.00	55.57	Pass	Vertical
4	350.3581	150	114	-75.66	-13.00	62.66	Pass	Vertical
5	467.9456	150	230	-76.57	-13.00	63.57	Pass	Vertical
6	687.5975	150	242	-69.39	-13.00	56.39	Pass	Vertical
7	1399.6400	150	101	-47.36	-13.00	34.36	Pass	Vertical
8	3819.6000	150	172	-49.82	-13.00	36.82	Pass	Vertical
9	5729.4000	150	36	-49.78	-13.00	36.78	Pass	Vertical
10	7639.2000	150	268	-46.11	-13.00	33.11	Pass	Vertical
11	11478.4239	150	229	-37.56	-13.00	24.56	Pass	Vertical
12	15084.6042	150	18	-29.48	-13.00	16.48	Pass	Vertical

Mode:		GPRS Traffic						
Band:		1900		Channel:		512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	56.1952	150	203	-76.91	-13.00	63.91	Pass	Horizontal
2	128.9598	150	156	-75.09	-13.00	62.09	Pass	Horizontal
3	178.6337	150	25	-64.60	-13.00	51.60	Pass	Horizontal
4	354.4329	150	273	-65.00	-13.00	52.00	Pass	Horizontal
5	598.3397	150	333	-62.23	-13.00	49.23	Pass	Horizontal
6	796.6473	150	85	-65.58	-13.00	52.58	Pass	Horizontal
7	1264.0264	150	285	-48.43	-13.00	35.43	Pass	Horizontal
8	3700.4000	150	184	-51.22	-13.00	38.22	Pass	Horizontal
9	5550.6000	150	302	-49.43	-13.00	36.43	Pass	Horizontal
10	7400.8000	150	324	-45.56	-13.00	32.56	Pass	Horizontal
11	11099.6550	150	66	-36.57	-13.00	23.57	Pass	Horizontal
12	14970.5985	150	48	-29.56	-13.00	16.56	Pass	Horizontal

Mode:		GPRS Traffic						
Band:		1900		Channel:		512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.0158	150	304	-64.99	-13.00	51.99	Pass	Vertical
2	71.9124	150	106	-70.98	-13.00	57.98	Pass	Vertical
3	199.5899	150	154	-68.30	-13.00	55.30	Pass	Vertical
4	322.4165	150	60	-71.73	-13.00	58.73	Pass	Vertical
5	597.7576	150	351	-65.12	-13.00	52.12	Pass	Vertical
6	729.7039	150	130	-63.95	-13.00	50.95	Pass	Vertical
7	1293.0293	150	359	-47.41	-13.00	34.41	Pass	Vertical
8	3700.4000	150	68	-51.15	-13.00	38.15	Pass	Vertical
9	5550.6000	150	324	-49.87	-13.00	36.87	Pass	Vertical
10	7400.8000	150	264	-44.95	-13.00	31.95	Pass	Vertical
11	11490.4245	150	207	-37.14	-13.00	24.14	Pass	Vertical
12	15122.1061	150	12	-29.06	-13.00	16.06	Pass	Vertical

Mode:		GPRS Traffic						
Band:		1900		Channel:		661		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	55.2250	150	203	-76.16	-13.00	63.16	Pass	Horizontal
2	199.7840	150	214	-64.31	-13.00	51.31	Pass	Horizontal
3	290.2060	150	95	-67.74	-13.00	54.74	Pass	Horizontal
4	354.8210	150	274	-66.78	-13.00	53.78	Pass	Horizontal
5	599.5039	150	322	-64.48	-13.00	51.48	Pass	Horizontal
6	796.4533	150	35	-66.35	-13.00	53.35	Pass	Horizontal
7	1341.4341	150	120	-48.15	-13.00	35.15	Pass	Horizontal
8	3760.0000	150	64	-49.72	-13.00	36.72	Pass	Horizontal
9	5640.0000	150	302	-50.25	-13.00	37.25	Pass	Horizontal
10	7520.0000	150	324	-46.05	-13.00	33.05	Pass	Horizontal
11	10277.6139	150	45	-38.82	-13.00	25.82	Pass	Horizontal
12	14809.3405	150	182	-29.54	-13.00	16.54	Pass	Horizontal

Mode:		GPRS Traffic						
Band:		1900		Channel:		661		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.0906	150	215	-65.66	-13.00	52.66	Pass	Vertical
2	71.3303	150	192	-71.19	-13.00	58.19	Pass	Vertical
3	176.8874	150	132	-71.33	-13.00	58.33	Pass	Vertical
4	208.9038	150	61	-67.63	-13.00	54.63	Pass	Vertical
5	290.0120	150	1	-70.60	-13.00	57.60	Pass	Vertical
6	598.3397	150	321	-65.48	-13.00	52.48	Pass	Vertical
7	1398.6399	150	144	-42.29	-13.00	29.29	Pass	Vertical
8	3760.0000	150	143	-50.85	-13.00	37.85	Pass	Vertical
9	5640.0000	150	183	-49.46	-13.00	36.46	Pass	Vertical
10	7520.0000	150	204	-44.35	-13.00	31.35	Pass	Vertical
11	10174.1087	150	143	-38.78	-13.00	25.78	Pass	Vertical
12	15091.3546	150	244	-29.15	-13.00	16.15	Pass	Vertical

Mode:		GPRS Traffic						
Band:		1900		Channel:		810		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	56.9714	150	164	-77.64	-13.00	64.64	Pass	Horizontal
2	96.7494	150	188	-74.12	-13.00	61.12	Pass	Horizontal
3	178.6337	150	11	-64.62	-13.00	51.62	Pass	Horizontal
4	354.4329	150	281	-65.25	-13.00	52.25	Pass	Horizontal
5	597.5635	150	360	-62.23	-13.00	49.23	Pass	Horizontal
6	729.7039	150	352	-65.24	-13.00	52.24	Pass	Horizontal
7	1292.2292	150	153	-48.22	-13.00	35.22	Pass	Horizontal
8	3819.6000	150	54	-50.10	-13.00	37.10	Pass	Horizontal
9	5729.4000	150	265	-50.12	-13.00	37.12	Pass	Horizontal
10	7639.2000	150	149	-46.11	-13.00	33.11	Pass	Horizontal
11	11486.6743	150	33	-37.20	-13.00	24.20	Pass	Horizontal
12	15045.6023	150	324	-29.27	-13.00	16.27	Pass	Horizontal

Mode:		GPRS Traffic						
Band:		1900		Channel:		810		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.2847	150	246	-65.33	-13.00	52.33	Pass	Vertical
2	208.9038	150	258	-67.77	-13.00	54.77	Pass	Vertical
3	290.0120	150	200	-69.52	-13.00	56.52	Pass	Vertical
4	400.0320	150	270	-69.96	-13.00	56.96	Pass	Vertical
5	599.1158	150	316	-65.58	-13.00	52.58	Pass	Vertical
6	733.7788	150	118	-66.12	-13.00	53.12	Pass	Vertical
7	1396.6397	150	118	-45.10	-13.00	32.10	Pass	Vertical
8	3819.6000	150	227	-50.75	-13.00	37.75	Pass	Vertical
9	5729.4000	150	132	-50.00	-13.00	37.00	Pass	Vertical
10	7639.2000	150	188	-45.31	-13.00	32.31	Pass	Vertical
11	11528.6764	150	132	-36.91	-13.00	23.91	Pass	Vertical
12	15079.3540	150	247	-29.42	-13.00	16.42	Pass	Vertical

Mode:		EGPRS Traffic						
Band:		1900		Channel:		512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	109.5559	150	154	-72.51	-13.00	59.51	Pass	Horizontal
2	161.1702	150	1	-65.39	-13.00	52.39	Pass	Horizontal
3	322.2224	150	130	-65.03	-13.00	52.03	Pass	Horizontal
4	419.0478	150	24	-65.18	-13.00	52.18	Pass	Horizontal
5	597.1754	150	330	-67.32	-13.00	54.32	Pass	Horizontal
6	733.5847	150	154	-64.52	-13.00	51.52	Pass	Horizontal
7	1323.4323	150	35	-48.35	-13.00	35.35	Pass	Horizontal
8	3700.4000	150	210	-51.00	-13.00	38.00	Pass	Horizontal
9	5550.6000	150	210	-49.94	-13.00	36.94	Pass	Horizontal
10	7400.8000	150	286	-45.66	-13.00	32.66	Pass	Horizontal
11	9707.5854	150	56	-39.25	-13.00	26.25	Pass	Horizontal
12	15104.1052	150	74	-29.56	-13.00	16.56	Pass	Horizontal

Mode:		EGPRS Traffic						
Band:		1900		Channel:		512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.3443	150	161	-65.47	-13.00	52.47	Pass	Vertical
2	199.3959	150	173	-67.59	-13.00	54.59	Pass	Vertical
3	290.0120	150	358	-69.64	-13.00	56.64	Pass	Vertical
4	398.2857	150	184	-74.33	-13.00	61.33	Pass	Vertical
5	597.9516	150	43	-67.23	-13.00	54.23	Pass	Vertical
6	735.3311	150	149	-64.21	-13.00	51.21	Pass	Vertical
7	1326.8327	150	43	-48.53	-13.00	35.53	Pass	Vertical
8	3700.4000	150	263	-50.50	-13.00	37.50	Pass	Vertical
9	5550.6000	150	166	-49.15	-13.00	36.15	Pass	Vertical
10	7400.8000	150	342	-44.70	-13.00	31.70	Pass	Vertical
11	11564.6782	150	107	-37.20	-13.00	24.20	Pass	Vertical
12	15302.8651	150	12	-29.74	-13.00	16.74	Pass	Vertical

Mode:		EGPRS Traffic						
Band:		1900		Channel:		661		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	166	-73.67	-13.00	60.67	Pass	Horizontal
2	181.1562	150	201	-64.05	-13.00	51.05	Pass	Horizontal
3	354.6269	150	272	-64.77	-13.00	51.77	Pass	Horizontal
4	398.8678	150	13	-63.39	-13.00	50.39	Pass	Horizontal
5	599.8920	150	331	-57.52	-13.00	44.52	Pass	Horizontal
6	798.3937	150	48	-64.97	-13.00	51.97	Pass	Horizontal
7	1261.2261	150	166	-48.43	-13.00	35.43	Pass	Horizontal
8	3760.0000	150	247	-50.68	-13.00	37.68	Pass	Horizontal
9	5640.0000	150	264	-50.67	-13.00	37.67	Pass	Horizontal
10	7520.0000	150	342	-45.83	-13.00	32.83	Pass	Horizontal
11	9706.8353	150	226	-38.46	-13.00	25.46	Pass	Horizontal
12	15075.6038	150	208	-29.23	-13.00	16.23	Pass	Horizontal

Mode:		EGPRS Traffic						
Band:		1900		Channel:		661		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.3443	150	36	-65.45	-13.00	52.45	Pass	Vertical
2	71.3303	150	155	-72.31	-13.00	59.31	Pass	Vertical
3	199.2018	150	226	-67.06	-13.00	54.06	Pass	Vertical
4	290.0120	150	1	-70.23	-13.00	57.23	Pass	Vertical
5	597.7576	150	120	-67.30	-13.00	54.30	Pass	Vertical
6	796.6473	150	249	-65.77	-13.00	52.77	Pass	Vertical
7	1194.6195	150	298	-47.24	-13.00	34.24	Pass	Vertical
8	3760.0000	150	262	-50.60	-13.00	37.60	Pass	Vertical
9	5640.0000	150	359	-49.11	-13.00	36.11	Pass	Vertical
10	7520.0000	150	165	-45.74	-13.00	32.74	Pass	Vertical
11	12179.7090	150	183	-35.25	-13.00	22.25	Pass	Vertical
12	15593.8797	150	165	-29.30	-13.00	16.30	Pass	Vertical

Mode:		EGPRS Traffic						
Band:		1900		Channel:		810		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	163	-72.70	-13.00	59.70	Pass	Horizontal
2	161.1702	150	359	-65.75	-13.00	52.75	Pass	Horizontal
3	354.6269	150	268	-66.00	-13.00	53.00	Pass	Horizontal
4	418.8538	150	11	-67.05	-13.00	54.05	Pass	Horizontal
5	599.6979	150	46	-64.44	-13.00	51.44	Pass	Horizontal
6	738.6297	150	151	-65.43	-13.00	52.43	Pass	Horizontal
7	1323.8324	150	268	-48.31	-13.00	35.31	Pass	Horizontal
8	3819.6000	150	247	-49.50	-13.00	36.50	Pass	Horizontal
9	5729.4000	150	303	-49.81	-13.00	36.81	Pass	Horizontal
10	7639.2000	150	110	-44.96	-13.00	31.96	Pass	Horizontal
11	12269.7135	150	170	-37.03	-13.00	24.03	Pass	Horizontal
12	15103.3552	150	170	-29.74	-13.00	16.74	Pass	Horizontal

Mode:		EGPRS Traffic						
Band:		1900		Channel:		810		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.9562	150	130	-66.40	-13.00	53.40	Pass	Vertical
2	199.3959	150	177	-66.58	-13.00	53.58	Pass	Vertical
3	290.0120	150	189	-69.68	-13.00	56.68	Pass	Vertical
4	399.6439	150	318	-71.63	-13.00	58.63	Pass	Vertical
5	598.1456	150	283	-66.24	-13.00	53.24	Pass	Vertical
6	728.5397	150	130	-64.07	-13.00	51.07	Pass	Vertical
7	1194.8195	150	295	-44.67	-13.00	31.67	Pass	Vertical
8	3819.6000	150	187	-49.54	-13.00	36.54	Pass	Vertical
9	5729.4000	150	342	-49.87	-13.00	36.87	Pass	Vertical
10	7639.2000	150	148	-44.99	-13.00	31.99	Pass	Vertical
11	11784.4392	150	247	-37.12	-13.00	24.12	Pass	Vertical
12	15140.1070	150	131	-29.89	-13.00	16.89	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		II		Channel:		9263		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.8966	150	177	-78.01	-13.00	65.01	Pass	Horizontal
2	118.6757	150	155	-73.73	-13.00	60.73	Pass	Horizontal
3	179.0218	150	360	-69.29	-13.00	56.29	Pass	Horizontal
4	352.1044	150	343	-70.01	-13.00	57.01	Pass	Horizontal
5	464.8410	150	1	-71.76	-13.00	58.76	Pass	Horizontal
6	687.5975	150	283	-73.06	-13.00	60.06	Pass	Horizontal
7	1308.4308	150	1	-48.18	-13.00	35.18	Pass	Horizontal
8	2395.7396	150	155	-45.05	-13.00	32.05	Pass	Horizontal
9	3705.2000	150	0	-50.72	-13.00	37.72	Pass	Horizontal
10	5557.8000	150	71	-50.27	-13.00	37.27	Pass	Horizontal
11	7410.4000	150	110	-46.49	-13.00	33.49	Pass	Horizontal
12	15023.8512	150	342	-31.44	-13.00	18.44	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		II		Channel:		9263		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	283	-66.15	-13.00	53.15	Pass	Vertical
2	69.7780	150	272	-72.36	-13.00	59.36	Pass	Vertical
3	208.9038	150	71	-69.60	-13.00	56.60	Pass	Vertical
4	360.0600	150	119	-75.73	-13.00	62.73	Pass	Vertical
5	476.0952	150	248	-76.40	-13.00	63.40	Pass	Vertical
6	687.5975	150	84	-69.69	-13.00	56.69	Pass	Vertical
7	1399.2399	150	95	-46.00	-13.00	33.00	Pass	Vertical
8	2841.9842	150	71	-41.27	-13.00	28.27	Pass	Vertical
9	3705.2000	150	147	-51.33	-13.00	38.33	Pass	Vertical
10	5557.8000	150	186	-50.93	-13.00	37.93	Pass	Vertical
11	7410.4000	150	50	-46.89	-13.00	33.89	Pass	Vertical
12	15032.8516	150	108	-32.08	-13.00	19.08	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		II		Channel:		9400		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	55.2250	150	213	-77.97	-13.00	64.97	Pass	Horizontal
2	167.9616	150	35	-70.06	-13.00	57.06	Pass	Horizontal
3	353.8508	150	1	-70.57	-13.00	57.57	Pass	Horizontal
4	482.1104	150	142	-73.09	-13.00	60.09	Pass	Horizontal
5	584.9510	150	35	-72.34	-13.00	59.34	Pass	Horizontal
6	779.9600	150	320	-69.60	-13.00	56.60	Pass	Horizontal
7	1294.8295	150	131	-48.48	-13.00	35.48	Pass	Horizontal
8	3760.0000	150	148	-48.86	-13.00	35.86	Pass	Horizontal
9	5640.0000	150	91	-50.73	-13.00	37.73	Pass	Horizontal
10	7520.0000	150	285	-46.73	-13.00	33.73	Pass	Horizontal
11	9668.5834	150	130	-40.30	-13.00	27.30	Pass	Horizontal
12	14984.0992	150	342	-32.82	-13.00	19.82	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		II		Channel:		9400		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	48.8218	150	283	-66.73	-13.00	53.73	Pass	Vertical
2	69.7780	150	308	-72.55	-13.00	59.55	Pass	Vertical
3	167.9616	150	360	-73.97	-13.00	60.97	Pass	Vertical
4	208.9038	150	1	-69.65	-13.00	56.65	Pass	Vertical
5	687.5975	150	283	-70.07	-13.00	57.07	Pass	Vertical
6	799.7520	150	213	-70.65	-13.00	57.65	Pass	Vertical
7	1397.4397	150	106	-47.85	-13.00	34.85	Pass	Vertical
8	3760.0000	150	342	-50.13	-13.00	37.13	Pass	Vertical
9	5640.0000	150	187	-50.72	-13.00	37.72	Pass	Vertical
10	7520.0000	150	170	-46.76	-13.00	33.76	Pass	Vertical
11	9768.3384	150	131	-41.09	-13.00	28.09	Pass	Vertical
12	15032.1016	150	304	-32.96	-13.00	19.96	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		II		Channel:		9537		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	43.7768	150	69	-79.08	-13.00	66.08	Pass	Horizontal
2	120.0340	150	177	-75.88	-13.00	62.88	Pass	Horizontal
3	167.9616	150	33	-69.80	-13.00	56.80	Pass	Horizontal
4	360.2541	150	190	-71.52	-13.00	58.52	Pass	Horizontal
5	584.9510	150	33	-72.66	-13.00	59.66	Pass	Horizontal
6	687.5975	150	284	-71.77	-13.00	58.77	Pass	Horizontal
7	1292.4292	150	105	-48.05	-13.00	35.05	Pass	Horizontal
8	3814.8000	150	342	-50.74	-13.00	37.74	Pass	Horizontal
9	5722.2000	150	204	-50.97	-13.00	37.97	Pass	Horizontal
10	7629.6000	150	342	-47.29	-13.00	34.29	Pass	Horizontal
11	11736.4368	150	86	-39.80	-13.00	26.80	Pass	Horizontal
12	15032.8516	150	324	-34.63	-13.00	21.63	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		II		Channel:		9537		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.5383	150	72	-66.20	-13.00	53.20	Pass	Vertical
2	69.7780	150	192	-72.89	-13.00	59.89	Pass	Vertical
3	167.9616	150	156	-74.44	-13.00	61.44	Pass	Vertical
4	208.9038	150	263	-70.26	-13.00	57.26	Pass	Vertical
5	375.0010	150	156	-75.96	-13.00	62.96	Pass	Vertical
6	687.5975	150	275	-69.83	-13.00	56.83	Pass	Vertical
7	1274.6275	150	49	-48.43	-13.00	35.43	Pass	Vertical
8	3814.8000	150	262	-50.52	-13.00	37.52	Pass	Vertical
9	5722.2000	150	126	-50.45	-13.00	37.45	Pass	Vertical
10	7629.6000	150	341	-46.04	-13.00	33.04	Pass	Vertical
11	11815.1908	150	46	-40.66	-13.00	27.66	Pass	Vertical
12	15032.8516	150	6	-34.69	-13.00	21.69	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		II		Channel:		9263		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	91.3163	150	357	-77.65	-13.00	64.65	Pass	Horizontal
2	120.0340	150	179	-75.84	-13.00	62.84	Pass	Horizontal
3	180.9622	150	2	-70.10	-13.00	57.10	Pass	Horizontal
4	353.8508	150	357	-70.93	-13.00	57.93	Pass	Horizontal
5	475.7071	150	144	-74.59	-13.00	61.59	Pass	Horizontal
6	687.5975	150	240	-71.68	-13.00	58.68	Pass	Horizontal
7	1295.0295	150	168	-48.02	-13.00	35.02	Pass	Horizontal
8	3705.2000	150	223	-51.76	-13.00	38.76	Pass	Horizontal
9	5557.8000	150	223	-50.47	-13.00	37.47	Pass	Horizontal
10	7410.4000	150	47	-47.64	-13.00	34.64	Pass	Horizontal
11	11716.9358	150	302	-39.74	-13.00	26.74	Pass	Horizontal
12	15032.1016	150	105	-32.39	-13.00	19.39	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		II		Channel:		9263		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.5979	150	202	-65.00	-13.00	52.00	Pass	Vertical
2	71.5243	150	320	-73.27	-13.00	60.27	Pass	Vertical
3	167.9616	150	332	-73.85	-13.00	60.85	Pass	Vertical
4	208.9038	150	344	-70.40	-13.00	57.40	Pass	Vertical
5	343.1786	150	71	-76.37	-13.00	63.37	Pass	Vertical
6	687.5975	150	166	-69.42	-13.00	56.42	Pass	Vertical
7	1372.8373	150	226	-47.30	-13.00	34.30	Pass	Vertical
8	3705.2000	150	184	-50.68	-13.00	37.68	Pass	Vertical
9	5557.8000	150	66	-50.57	-13.00	37.57	Pass	Vertical
10	7410.4000	150	184	-47.82	-13.00	34.82	Pass	Vertical
11	9715.8358	150	224	-41.47	-13.00	28.47	Pass	Vertical
12	15032.1016	150	166	-33.55	-13.00	20.55	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		II		Channel:		9400		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.5979	150	25	-79.37	-13.00	66.37	Pass	Horizontal
2	120.0340	150	166	-76.83	-13.00	63.83	Pass	Horizontal
3	167.9616	150	2	-68.30	-13.00	55.30	Pass	Horizontal
4	353.8508	150	355	-72.51	-13.00	59.51	Pass	Horizontal
5	584.9510	150	120	-71.86	-13.00	58.86	Pass	Horizontal
6	687.5975	150	272	-71.56	-13.00	58.56	Pass	Horizontal
7	1322.8323	150	142	-48.01	-13.00	35.01	Pass	Horizontal
8	3760.0000	150	148	-50.79	-13.00	37.79	Pass	Horizontal
9	5640.0000	150	246	-51.39	-13.00	38.39	Pass	Horizontal
10	7520.0000	150	264	-47.49	-13.00	34.49	Pass	Horizontal
11	11822.6911	150	168	-40.94	-13.00	27.94	Pass	Horizontal
12	15032.1016	150	31	-34.76	-13.00	21.76	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		II		Channel:		9400		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.1502	150	360	-66.19	-13.00	53.19	Pass	Vertical
2	69.5839	150	360	-72.63	-13.00	59.63	Pass	Vertical
3	208.9038	150	154	-69.56	-13.00	56.56	Pass	Vertical
4	375.0010	150	106	-76.80	-13.00	63.80	Pass	Vertical
5	557.7856	150	13	-72.28	-13.00	59.28	Pass	Vertical
6	687.5975	150	248	-70.34	-13.00	57.34	Pass	Vertical
7	1278.6279	150	177	-48.25	-13.00	35.25	Pass	Vertical
8	3760.0000	150	6	-49.68	-13.00	36.68	Pass	Vertical
9	5640.0000	150	63	-50.97	-13.00	37.97	Pass	Vertical
10	7520.0000	150	105	-46.81	-13.00	33.81	Pass	Vertical
11	11854.1927	150	304	-40.57	-13.00	27.57	Pass	Vertical
12	15032.1016	150	168	-34.09	-13.00	21.09	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		II		Channel:		9537		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	116.9294	150	360	-76.45	-13.00	63.45	Pass	Horizontal
2	180.5741	150	2	-68.56	-13.00	55.56	Pass	Horizontal
3	348.6117	150	341	-72.64	-13.00	59.64	Pass	Horizontal
4	485.2150	150	117	-73.97	-13.00	60.97	Pass	Horizontal
5	584.9510	150	140	-74.32	-13.00	61.32	Pass	Horizontal
6	687.5975	150	235	-71.17	-13.00	58.17	Pass	Horizontal
7	1294.2294	150	317	-48.53	-13.00	35.53	Pass	Horizontal
8	3814.8000	150	342	-49.68	-13.00	36.68	Pass	Horizontal
9	5722.2000	150	169	-51.33	-13.00	38.33	Pass	Horizontal
10	7629.6000	150	0	-46.90	-13.00	33.90	Pass	Horizontal
11	11719.9360	150	32	-39.76	-13.00	26.76	Pass	Horizontal
12	15032.1016	150	32	-32.93	-13.00	19.93	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		II		Channel:		9537		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	74	-65.83	-13.00	52.83	Pass	Vertical
2	167.9616	150	358	-74.33	-13.00	61.33	Pass	Vertical
3	208.9038	150	62	-70.08	-13.00	57.08	Pass	Vertical
4	375.0010	150	74	-75.75	-13.00	62.75	Pass	Vertical
5	687.5975	150	170	-70.36	-13.00	57.36	Pass	Vertical
6	798.7818	150	2	-69.97	-13.00	56.97	Pass	Vertical
7	1328.6329	150	244	-48.51	-13.00	35.51	Pass	Vertical
8	3814.8000	150	215	-50.37	-13.00	37.37	Pass	Vertical
9	5722.2000	150	215	-51.07	-13.00	38.07	Pass	Vertical
10	7629.6000	150	197	-46.21	-13.00	33.21	Pass	Vertical
11	11805.4403	150	321	-40.75	-13.00	27.75	Pass	Vertical
12	15032.1016	150	55	-35.34	-13.00	22.34	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		II		Channel:		9400		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.5979	150	25	-78.77	-13.00	65.77	Pass	Horizontal
2	179.6039	150	25	-68.41	-13.00	55.41	Pass	Horizontal
3	375.0010	150	37	-75.13	-13.00	62.13	Pass	Horizontal
4	478.6177	150	143	-74.52	-13.00	61.52	Pass	Horizontal
5	584.9510	150	108	-71.99	-13.00	58.99	Pass	Horizontal
6	687.5975	150	263	-71.57	-13.00	58.57	Pass	Horizontal
7	1309.6310	150	121	-48.07	-13.00	35.07	Pass	Horizontal
8	3760.0000	150	324	-50.85	-13.00	37.85	Pass	Horizontal
9	5640.0000	150	224	-49.68	-13.00	36.68	Pass	Horizontal
10	7520.0000	150	324	-46.98	-13.00	33.98	Pass	Horizontal
11	11812.1906	150	145	-40.92	-13.00	27.92	Pass	Horizontal
12	15032.1016	150	324	-34.86	-13.00	21.86	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		II		Channel:		9400		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.7622	150	323	-65.68	-13.00	52.68	Pass	Vertical
2	69.7780	150	264	-72.25	-13.00	59.25	Pass	Vertical
3	208.9038	150	349	-69.70	-13.00	56.70	Pass	Vertical
4	398.2857	150	359	-75.73	-13.00	62.73	Pass	Vertical
5	584.9510	150	108	-73.47	-13.00	60.47	Pass	Vertical
6	687.5975	150	180	-70.23	-13.00	57.23	Pass	Vertical
7	1328.0328	150	13	-48.27	-13.00	35.27	Pass	Vertical
8	3760.0000	150	302	-49.45	-13.00	36.45	Pass	Vertical
9	5640.0000	150	86	-49.21	-13.00	36.21	Pass	Vertical
10	7520.0000	150	184	-47.65	-13.00	34.65	Pass	Vertical
11	9690.3345	150	86	-42.17	-13.00	29.17	Pass	Vertical
12	15032.1016	150	263	-34.47	-13.00	21.47	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		II		Channel:		9263		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	177	-74.34	-13.00	61.34	Pass	Horizontal
2	161.1702	150	13	-64.69	-13.00	51.69	Pass	Horizontal
3	290.5941	150	155	-68.07	-13.00	55.07	Pass	Horizontal
4	394.4049	150	119	-64.92	-13.00	51.92	Pass	Horizontal
5	476.8714	150	130	-56.34	-13.00	43.34	Pass	Horizontal
6	598.3397	150	332	-64.30	-13.00	51.30	Pass	Horizontal
7	1397.6398	150	36	-48.41	-13.00	35.41	Pass	Horizontal
8	3705.2000	150	303	-52.32	-13.00	39.32	Pass	Horizontal
9	5557.8000	150	130	-50.63	-13.00	37.63	Pass	Horizontal
10	7410.4000	150	0	-47.28	-13.00	34.28	Pass	Horizontal
11	9743.5872	150	0	-41.69	-13.00	28.69	Pass	Horizontal
12	15032.1016	150	303	-34.72	-13.00	21.72	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		II		Channel:		9263		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.5979	150	155	-66.04	-13.00	53.04	Pass	Vertical
2	166.2152	150	2	-72.14	-13.00	59.14	Pass	Vertical
3	199.5899	150	214	-67.54	-13.00	54.54	Pass	Vertical
4	398.8678	150	274	-70.68	-13.00	57.68	Pass	Vertical
5	479.5879	150	155	-66.17	-13.00	53.17	Pass	Vertical
6	599.1158	150	321	-64.27	-13.00	51.27	Pass	Vertical
7	1324.0324	150	119	-48.01	-13.00	35.01	Pass	Vertical
8	3705.2000	150	0	-51.22	-13.00	38.22	Pass	Vertical
9	5557.8000	150	109	-51.06	-13.00	38.06	Pass	Vertical
10	7410.4000	150	109	-48.84	-13.00	35.84	Pass	Vertical
11	9700.0850	150	246	-43.02	-13.00	30.02	Pass	Vertical
12	15032.1016	150	14	-33.99	-13.00	20.99	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		II		Channel:		9537		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	188	-73.61	-13.00	60.61	Pass	Horizontal
2	161.1702	150	341	-64.98	-13.00	51.98	Pass	Horizontal
3	290.0120	150	117	-67.60	-13.00	54.60	Pass	Horizontal
4	395.7632	150	128	-63.79	-13.00	50.79	Pass	Horizontal
5	478.0356	150	128	-56.48	-13.00	43.48	Pass	Horizontal
6	717.4795	150	153	-66.79	-13.00	53.79	Pass	Horizontal
7	1265.4265	150	153	-47.80	-13.00	34.80	Pass	Horizontal
8	3814.8000	150	110	-50.52	-13.00	37.52	Pass	Horizontal
9	5722.2000	150	72	-51.09	-13.00	38.09	Pass	Horizontal
10	7629.6000	150	33	-46.63	-13.00	33.63	Pass	Horizontal
11	9727.8364	150	265	-41.66	-13.00	28.66	Pass	Horizontal
12	15032.1016	150	33	-35.44	-13.00	22.44	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		II		Channel:		9537		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.9860	150	106	-66.48	-13.00	53.48	Pass	Vertical
2	208.9038	150	354	-69.78	-13.00	56.78	Pass	Vertical
3	289.8180	150	360	-71.26	-13.00	58.26	Pass	Vertical
4	479.1998	150	154	-66.39	-13.00	53.39	Pass	Vertical
5	599.8920	150	48	-67.44	-13.00	54.44	Pass	Vertical
6	738.2416	150	154	-67.13	-13.00	54.13	Pass	Vertical
7	1325.4325	150	12	-48.20	-13.00	35.20	Pass	Vertical
8	3814.8000	150	130	-50.35	-13.00	37.35	Pass	Vertical
9	5722.2000	150	246	-50.96	-13.00	37.96	Pass	Vertical
10	7629.6000	150	91	-47.38	-13.00	34.38	Pass	Vertical
11	11792.6896	150	14	-41.56	-13.00	28.56	Pass	Vertical
12	15032.1016	150	70	-35.04	-13.00	22.04	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		IV		Channel:		1313		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	167	-71.96	-13.00	58.96	Pass	Horizontal
2	161.1702	150	13	-63.61	-13.00	50.61	Pass	Horizontal
3	322.2224	150	143	-65.77	-13.00	52.77	Pass	Horizontal
4	384.3149	150	120	-63.27	-13.00	50.27	Pass	Horizontal
5	479.9760	150	238	-54.09	-13.00	41.09	Pass	Horizontal
6	598.9218	150	321	-62.18	-13.00	49.18	Pass	Horizontal
7	1274.8275	150	285	-48.95	-13.00	35.95	Pass	Horizontal
8	3425.2000	150	55	-50.18	-13.00	37.18	Pass	Horizontal
9	5137.8000	150	222	-50.47	-13.00	37.47	Pass	Horizontal
10	6850.4000	150	182	-50.26	-13.00	37.26	Pass	Horizontal
11	9762.3381	150	262	-42.07	-13.00	29.07	Pass	Horizontal
12	15032.1016	150	359	-34.82	-13.00	21.82	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		IV		Channel:		1313		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	356	-66.90	-13.00	53.90	Pass	Vertical
2	160.0060	150	332	-71.66	-13.00	58.66	Pass	Vertical
3	199.0078	150	138	-67.38	-13.00	54.38	Pass	Vertical
4	399.8380	150	273	-68.29	-13.00	55.29	Pass	Vertical
5	480.1700	150	75	-62.94	-13.00	49.94	Pass	Vertical
6	599.6979	150	332	-61.43	-13.00	48.43	Pass	Vertical
7	1337.4337	150	259	-48.81	-13.00	35.81	Pass	Vertical
8	3425.2000	150	49	-49.66	-13.00	36.66	Pass	Vertical
9	5137.8000	150	263	-50.52	-13.00	37.52	Pass	Vertical
10	6850.4000	150	167	-49.63	-13.00	36.63	Pass	Vertical
11	11805.4403	150	10	-41.37	-13.00	28.37	Pass	Vertical
12	15031.3516	150	146	-35.44	-13.00	22.44	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		IV		Channel:		1450		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	179	-73.03	-13.00	60.03	Pass	Horizontal
2	161.1702	150	2	-64.79	-13.00	51.79	Pass	Horizontal
3	290.0120	150	132	-67.92	-13.00	54.92	Pass	Horizontal
4	415.3611	150	14	-63.47	-13.00	50.47	Pass	Horizontal
5	478.4237	150	132	-57.15	-13.00	44.15	Pass	Horizontal
6	724.0768	150	346	-66.42	-13.00	53.42	Pass	Horizontal
7	1293.8294	150	37	-47.90	-13.00	34.90	Pass	Horizontal
8	3480.0000	150	126	-50.32	-13.00	37.32	Pass	Horizontal
9	5220.0000	150	342	-50.88	-13.00	37.88	Pass	Horizontal
10	6960.0000	150	65	-48.88	-13.00	35.88	Pass	Horizontal
11	9666.3333	150	166	-42.23	-13.00	29.23	Pass	Horizontal
12	15032.1016	150	126	-35.15	-13.00	22.15	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		IV		Channel:		1450		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	179	-73.03	-13.00	60.03	Pass	Vertical
2	161.1702	150	2	-64.79	-13.00	51.79	Pass	Vertical
3	290.0120	150	132	-67.92	-13.00	54.92	Pass	Vertical
4	415.3611	150	14	-63.47	-13.00	50.47	Pass	Vertical
5	478.4237	150	132	-57.15	-13.00	44.15	Pass	Vertical
6	724.0768	150	346	-66.42	-13.00	53.42	Pass	Vertical
7	1293.8294	150	37	-47.90	-13.00	34.90	Pass	Vertical
8	3480.0000	150	126	-50.32	-13.00	37.32	Pass	Vertical
9	5220.0000	150	342	-50.88	-13.00	37.88	Pass	Vertical
10	6960.0000	150	65	-48.88	-13.00	35.88	Pass	Vertical
11	9666.3333	150	166	-42.23	-13.00	29.23	Pass	Vertical
12	15032.1016	150	126	-35.15	-13.00	22.15	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		IV		Channel:		1512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	193	-75.17	-13.00	62.17	Pass	Horizontal
2	161.1702	150	357	-63.38	-13.00	50.38	Pass	Horizontal
3	322.2224	150	121	-68.04	-13.00	55.04	Pass	Horizontal
4	354.2388	150	287	-65.40	-13.00	52.40	Pass	Horizontal
5	479.3939	150	144	-50.60	-13.00	37.60	Pass	Horizontal
6	714.9570	150	108	-66.46	-13.00	53.46	Pass	Horizontal
7	1319.0319	150	157	-48.76	-13.00	35.76	Pass	Horizontal
8	3504.8000	150	64	-49.76	-13.00	36.76	Pass	Horizontal
9	5257.2000	150	262	-51.60	-13.00	38.60	Pass	Horizontal
10	7009.6000	150	183	-48.22	-13.00	35.22	Pass	Horizontal
11	9765.3383	150	143	-42.37	-13.00	29.37	Pass	Horizontal
12	15032.1016	150	222	-35.52	-13.00	22.52	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		IV		Channel:		1512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.9562	150	356	-65.01	-13.00	52.01	Pass	Vertical
2	69.7780	150	214	-72.94	-13.00	59.94	Pass	Vertical
3	199.7840	150	179	-64.91	-13.00	51.91	Pass	Vertical
4	479.9760	150	156	-67.87	-13.00	54.87	Pass	Vertical
5	598.5337	150	14	-63.79	-13.00	50.79	Pass	Vertical
6	796.6473	150	191	-64.79	-13.00	51.79	Pass	Vertical
7	1195.2195	150	285	-45.08	-13.00	32.08	Pass	Vertical
8	3504.8000	150	144	-49.60	-13.00	36.60	Pass	Vertical
9	5257.2000	150	47	-51.78	-13.00	38.78	Pass	Vertical
10	7009.6000	150	47	-49.33	-13.00	36.33	Pass	Vertical
11	9718.8359	150	65	-43.25	-13.00	30.25	Pass	Vertical
12	15031.3516	150	302	-35.49	-13.00	22.49	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		IV		Channel:		1313		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	146	-70.34	-13.00	57.34	Pass	Horizontal
2	161.3643	150	324	-64.99	-13.00	51.99	Pass	Horizontal
3	354.6269	150	276	-64.71	-13.00	51.71	Pass	Horizontal
4	476.8714	150	122	-57.18	-13.00	44.18	Pass	Horizontal
5	599.3099	150	300	-63.71	-13.00	50.71	Pass	Horizontal
6	723.1066	150	133	-65.92	-13.00	52.92	Pass	Horizontal
7	1399.4399	150	75	-47.25	-13.00	34.25	Pass	Horizontal
8	3425.2000	150	57	-49.29	-13.00	36.29	Pass	Horizontal
9	5137.8000	150	269	-50.06	-13.00	37.06	Pass	Horizontal
10	6850.4000	150	57	-50.01	-13.00	37.01	Pass	Horizontal
11	9766.0883	150	360	-42.06	-13.00	29.06	Pass	Horizontal
12	15032.1016	150	191	-35.73	-13.00	22.73	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		IV		Channel:		1313		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.9562	150	312	-67.16	-13.00	54.16	Pass	Vertical
2	199.5899	150	205	-65.36	-13.00	52.36	Pass	Vertical
3	399.4499	150	312	-69.51	-13.00	56.51	Pass	Vertical
4	479.9760	150	5	-58.80	-13.00	45.80	Pass	Vertical
5	598.9218	150	359	-65.89	-13.00	52.89	Pass	Vertical
6	799.3639	150	230	-67.02	-13.00	54.02	Pass	Vertical
7	1195.2195	150	170	-46.66	-13.00	33.66	Pass	Vertical
8	3425.2000	150	75	-49.92	-13.00	36.92	Pass	Vertical
9	5137.8000	150	153	-49.82	-13.00	36.82	Pass	Vertical
10	6850.4000	150	360	-49.26	-13.00	36.26	Pass	Vertical
11	8178.2589	150	75	-43.54	-13.00	30.54	Pass	Vertical
12	15032.1016	150	269	-35.33	-13.00	22.33	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		IV		Channel:		1450		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	158	-70.30	-13.00	57.30	Pass	Horizontal
2	161.1702	150	359	-64.78	-13.00	51.78	Pass	Horizontal
3	354.6269	150	265	-66.21	-13.00	53.21	Pass	Horizontal
4	478.0356	150	134	-57.19	-13.00	44.19	Pass	Horizontal
5	599.8920	150	324	-66.25	-13.00	53.25	Pass	Horizontal
6	725.8232	150	28	-66.74	-13.00	53.74	Pass	Horizontal
7	1396.8397	150	76	-47.56	-13.00	34.56	Pass	Horizontal
8	3480.0000	150	328	-49.53	-13.00	36.53	Pass	Horizontal
9	5220.0000	150	269	-50.50	-13.00	37.50	Pass	Horizontal
10	6960.0000	150	230	-48.42	-13.00	35.42	Pass	Horizontal
11	9755.5878	150	360	-42.30	-13.00	29.30	Pass	Horizontal
12	15031.3516	150	75	-35.36	-13.00	22.36	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		IV		Channel:		1450		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.7323	150	265	-66.90	-13.00	53.90	Pass	Vertical
2	69.5839	150	148	-72.49	-13.00	59.49	Pass	Vertical
3	199.7840	150	148	-64.16	-13.00	51.16	Pass	Vertical
4	480.3641	150	148	-67.05	-13.00	54.05	Pass	Vertical
5	597.5635	150	29	-66.68	-13.00	53.68	Pass	Vertical
6	723.1066	150	148	-66.89	-13.00	53.89	Pass	Vertical
7	1199.4199	150	325	-47.77	-13.00	34.77	Pass	Vertical
8	3480.0000	150	212	-49.70	-13.00	36.70	Pass	Vertical
9	5220.0000	150	152	-50.96	-13.00	37.96	Pass	Vertical
10	6960.0000	150	328	-49.20	-13.00	36.20	Pass	Vertical
11	11191.1596	150	173	-41.85	-13.00	28.85	Pass	Vertical
12	15032.1016	150	191	-35.60	-13.00	22.60	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		IV		Channel:		1512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	181	-69.89	-13.00	56.89	Pass	Horizontal
2	161.3643	150	3	-64.45	-13.00	51.45	Pass	Horizontal
3	180.3801	150	157	-68.07	-13.00	55.07	Pass	Horizontal
4	354.6269	150	288	-65.48	-13.00	52.48	Pass	Horizontal
5	479.5879	150	132	-57.35	-13.00	44.35	Pass	Horizontal
6	751.2422	150	192	-66.45	-13.00	53.45	Pass	Horizontal
7	1274.2274	150	157	-47.92	-13.00	34.92	Pass	Horizontal
8	3504.8000	150	137	-49.88	-13.00	36.88	Pass	Horizontal
9	5257.2000	150	216	-51.62	-13.00	38.62	Pass	Horizontal
10	7009.6000	150	97	-47.19	-13.00	34.19	Pass	Horizontal
11	11751.4376	150	216	-40.93	-13.00	27.93	Pass	Horizontal
12	15032.1016	150	137	-34.65	-13.00	21.65	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		IV		Channel:		1512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.9860	150	170	-67.07	-13.00	54.07	Pass	Vertical
2	69.9720	150	123	-72.52	-13.00	59.52	Pass	Vertical
3	208.9038	150	324	-69.59	-13.00	56.59	Pass	Vertical
4	478.4237	150	147	-67.01	-13.00	54.01	Pass	Vertical
5	597.3695	150	347	-64.49	-13.00	51.49	Pass	Vertical
6	725.8232	150	158	-66.46	-13.00	53.46	Pass	Vertical
7	1195.0195	150	158	-46.67	-13.00	33.67	Pass	Vertical
8	3504.8000	150	352	-48.76	-13.00	35.76	Pass	Vertical
9	5257.2000	150	313	-51.48	-13.00	38.48	Pass	Vertical
10	7009.6000	150	273	-47.84	-13.00	34.84	Pass	Vertical
11	9702.3351	150	273	-42.83	-13.00	29.83	Pass	Vertical
12	15032.1016	150	137	-35.01	-13.00	22.01	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		IV		Channel:		1313		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	207	-71.61	-13.00	58.61	Pass	Horizontal
2	161.3643	150	348	-64.74	-13.00	51.74	Pass	Horizontal
3	290.4001	150	112	-67.85	-13.00	54.85	Pass	Horizontal
4	455.3331	150	158	-60.08	-13.00	47.08	Pass	Horizontal
5	479.9760	150	100	-49.65	-13.00	36.65	Pass	Horizontal
6	724.6589	150	112	-65.79	-13.00	52.79	Pass	Horizontal
7	1195.8196	150	322	-48.56	-13.00	35.56	Pass	Horizontal
8	3425.2000	150	359	-50.39	-13.00	37.39	Pass	Horizontal
9	5137.8000	150	303	-50.17	-13.00	37.17	Pass	Horizontal
10	6850.4000	150	344	-50.47	-13.00	37.47	Pass	Horizontal
11	9730.8365	150	22	-41.49	-13.00	28.49	Pass	Horizontal
12	15032.1016	150	303	-34.86	-13.00	21.86	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		IV		Channel:		1313		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.3443	150	95	-65.69	-13.00	52.69	Pass	Vertical
2	208.9038	150	169	-69.80	-13.00	56.80	Pass	Vertical
3	290.2060	150	24	-70.71	-13.00	57.71	Pass	Vertical
4	399.2559	150	169	-67.14	-13.00	54.14	Pass	Vertical
5	597.5635	150	306	-67.39	-13.00	54.39	Pass	Vertical
6	732.6145	150	130	-65.91	-13.00	52.91	Pass	Vertical
7	1197.8198	150	306	-46.93	-13.00	33.93	Pass	Vertical
8	3425.2000	150	344	-50.18	-13.00	37.18	Pass	Vertical
9	5137.8000	150	18	-50.48	-13.00	37.48	Pass	Vertical
10	6850.4000	150	360	-48.64	-13.00	35.64	Pass	Vertical
11	9553.0777	150	36	-43.28	-13.00	30.28	Pass	Vertical
12	15031.3516	150	267	-34.85	-13.00	21.85	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		IV		Channel:		1450		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	159	-69.49	-13.00	56.49	Pass	Horizontal
2	161.1702	150	0	-64.41	-13.00	51.41	Pass	Horizontal
3	398.2857	150	78	-64.53	-13.00	51.53	Pass	Horizontal
4	478.0356	150	124	-57.10	-13.00	44.10	Pass	Horizontal
5	599.1158	150	324	-63.33	-13.00	50.33	Pass	Horizontal
6	752.0184	150	336	-67.38	-13.00	54.38	Pass	Horizontal
7	1354.2354	150	17	-48.61	-13.00	35.61	Pass	Horizontal
8	3480.0000	150	360	-50.64	-13.00	37.64	Pass	Horizontal
9	5220.0000	150	18	-50.79	-13.00	37.79	Pass	Horizontal
10	6960.0000	150	134	-49.10	-13.00	36.10	Pass	Horizontal
11	9616.8308	150	75	-42.92	-13.00	29.92	Pass	Horizontal
12	15032.1016	150	57	-35.89	-13.00	22.89	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		IV		Channel:		1450		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	290	-65.54	-13.00	52.54	Pass	Vertical
2	199.5899	150	146	-63.04	-13.00	50.04	Pass	Vertical
3	290.0120	150	2	-71.08	-13.00	58.08	Pass	Vertical
4	479.7820	150	72	-66.35	-13.00	53.35	Pass	Vertical
5	599.5039	150	325	-66.23	-13.00	53.23	Pass	Vertical
6	838.5597	150	36	-66.58	-13.00	53.58	Pass	Vertical
7	1196.8197	150	158	-45.83	-13.00	32.83	Pass	Vertical
8	3480.0000	150	356	-49.30	-13.00	36.30	Pass	Vertical
9	5220.0000	150	338	-50.80	-13.00	37.80	Pass	Vertical
10	6960.0000	150	338	-49.19	-13.00	36.19	Pass	Vertical
11	9818.5909	150	237	-42.48	-13.00	29.48	Pass	Vertical
12	15032.1016	150	140	-35.65	-13.00	22.65	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		IV		Channel:		1512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	157	-70.13	-13.00	57.13	Pass	Horizontal
2	161.3643	150	359	-63.66	-13.00	50.66	Pass	Horizontal
3	322.6105	150	121	-68.11	-13.00	55.11	Pass	Horizontal
4	399.2559	150	110	-63.65	-13.00	50.65	Pass	Horizontal
5	477.2595	150	133	-57.20	-13.00	44.20	Pass	Horizontal
6	599.8920	150	300	-62.11	-13.00	49.11	Pass	Horizontal
7	1397.2397	150	359	-46.96	-13.00	33.96	Pass	Horizontal
8	3504.8000	150	236	-49.58	-13.00	36.58	Pass	Horizontal
9	5257.2000	150	218	-51.05	-13.00	38.05	Pass	Horizontal
10	7009.6000	150	297	-48.56	-13.00	35.56	Pass	Horizontal
11	9775.0888	150	218	-42.39	-13.00	29.39	Pass	Horizontal
12	15031.3516	150	218	-35.74	-13.00	22.74	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		IV		Channel:		1512		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	48.6277	150	144	-65.69	-13.00	52.69	Pass	Vertical
2	161.3643	150	2	-72.77	-13.00	59.77	Pass	Vertical
3	199.7840	150	191	-65.14	-13.00	52.14	Pass	Vertical
4	480.3641	150	131	-61.29	-13.00	48.29	Pass	Vertical
5	597.3695	150	346	-63.64	-13.00	50.64	Pass	Vertical
6	722.3305	150	155	-66.04	-13.00	53.04	Pass	Vertical
7	1197.4197	150	299	-46.33	-13.00	33.33	Pass	Vertical
8	3504.8000	150	275	-49.23	-13.00	36.23	Pass	Vertical
9	5257.2000	150	336	-50.37	-13.00	37.37	Pass	Vertical
10	7009.6000	150	315	-49.96	-13.00	36.96	Pass	Vertical
11	10243.1122	150	76	-43.02	-13.00	30.02	Pass	Vertical
12	15032.1016	150	138	-35.98	-13.00	22.98	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		V		Channel:		4133		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.5979	150	349	-78.78	-13.00	65.78	Pass	Horizontal
2	96.9434	150	160	-70.15	-13.00	57.15	Pass	Horizontal
3	161.1702	150	359	-64.98	-13.00	51.98	Pass	Horizontal
4	398.2857	150	278	-63.21	-13.00	50.21	Pass	Horizontal
5	477.6475	150	124	-57.29	-13.00	44.29	Pass	Horizontal
6	599.6979	150	124	-63.28	-13.00	50.28	Pass	Horizontal
7	1653.2000	150	231	-53.92	-13.00	40.92	Pass	Horizontal
8	2479.8000	150	89	-50.10	-13.00	37.10	Pass	Horizontal
9	3306.4000	150	360	-50.84	-13.00	37.84	Pass	Horizontal
10	6432.9216	150	96	-46.94	-13.00	33.94	Pass	Horizontal
11	9738.3369	150	269	-42.84	-13.00	29.84	Pass	Horizontal
12	15032.1016	150	75	-35.27	-13.00	22.27	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		V		Channel:		4133		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.3443	150	336	-66.32	-13.00	53.32	Pass	Vertical
2	71.3303	150	300	-72.68	-13.00	59.68	Pass	Vertical
3	199.9780	150	134	-66.63	-13.00	53.63	Pass	Vertical
4	399.6439	150	265	-67.61	-13.00	54.61	Pass	Vertical
5	480.3641	150	148	-66.82	-13.00	53.82	Pass	Vertical
6	599.8920	150	17	-65.12	-13.00	52.12	Pass	Vertical
7	1653.2000	150	265	-53.95	-13.00	40.95	Pass	Vertical
8	2479.8000	150	64	-50.41	-13.00	37.41	Pass	Vertical
9	3306.4000	150	36	-48.82	-13.00	35.82	Pass	Vertical
10	6504.9252	150	1	-47.54	-13.00	34.54	Pass	Vertical
11	9764.5882	150	269	-43.09	-13.00	30.09	Pass	Vertical
12	15032.8516	150	75	-35.68	-13.00	22.68	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		V		Channel:		4175		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	159	-72.46	-13.00	59.46	Pass	Horizontal
2	161.3643	150	347	-64.28	-13.00	51.28	Pass	Horizontal
3	199.7840	150	99	-64.95	-13.00	51.95	Pass	Horizontal
4	355.0150	150	289	-66.61	-13.00	53.61	Pass	Horizontal
5	480.3641	150	301	-55.57	-13.00	42.57	Pass	Horizontal
6	740.1820	150	147	-66.45	-13.00	53.45	Pass	Horizontal
7	1670.0000	150	359	-53.24	-13.00	40.24	Pass	Horizontal
8	2505.0000	150	325	-50.26	-13.00	37.26	Pass	Horizontal
9	3340.0000	150	308	-51.11	-13.00	38.11	Pass	Horizontal
10	5046.1023	150	75	-47.00	-13.00	34.00	Pass	Horizontal
11	9718.8359	150	75	-42.64	-13.00	29.64	Pass	Horizontal
12	15032.1016	150	1	-36.20	-13.00	23.20	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		V		Channel:		4175		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.7622	150	325	-66.89	-13.00	53.89	Pass	Vertical
2	69.7780	150	300	-73.05	-13.00	60.05	Pass	Vertical
3	199.5899	150	194	-65.85	-13.00	52.85	Pass	Vertical
4	398.2857	150	218	-67.10	-13.00	54.10	Pass	Vertical
5	480.7522	150	276	-63.24	-13.00	50.24	Pass	Vertical
6	597.3695	150	0	-65.79	-13.00	52.79	Pass	Vertical
7	1670.0000	150	194	-52.97	-13.00	39.97	Pass	Vertical
8	2505.0000	150	241	-50.12	-13.00	37.12	Pass	Vertical
9	3340.0000	150	96	-51.16	-13.00	38.16	Pass	Vertical
10	6428.4214	150	96	-47.38	-13.00	34.38	Pass	Vertical
11	9708.3354	150	57	-42.27	-13.00	29.27	Pass	Vertical
12	15032.1016	150	360	-35.61	-13.00	22.61	Pass	Vertical

Mode:		WCDMA Traffic						
Band:		V		Channel:		4232		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	164	-71.02	-13.00	58.02	Pass	Horizontal
2	161.1702	150	336	-64.17	-13.00	51.17	Pass	Horizontal
3	398.4797	150	118	-64.54	-13.00	51.54	Pass	Horizontal
4	477.2595	150	118	-57.18	-13.00	44.18	Pass	Horizontal
5	597.3695	150	298	-64.35	-13.00	51.35	Pass	Horizontal
6	744.6449	150	23	-65.20	-13.00	52.20	Pass	Horizontal
7	1692.8000	150	58	-53.26	-13.00	40.26	Pass	Horizontal
8	2539.2000	150	106	-50.37	-13.00	37.37	Pass	Horizontal
9	3185.6000	150	152	-48.79	-13.00	35.79	Pass	Horizontal
10	5145.1073	150	96	-48.54	-13.00	35.54	Pass	Horizontal
11	9744.3372	150	307	-41.62	-13.00	28.62	Pass	Horizontal
12	15032.1016	150	328	-36.00	-13.00	23.00	Pass	Horizontal

Mode:		WCDMA Traffic						
Band:		V		Channel:		4232		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.9562	150	0	-67.05	-13.00	54.05	Pass	Vertical
2	199.2018	150	171	-66.75	-13.00	53.75	Pass	Vertical
3	290.2060	150	347	-71.82	-13.00	58.82	Pass	Vertical
4	399.8380	150	218	-68.72	-13.00	55.72	Pass	Vertical
5	478.0356	150	148	-66.88	-13.00	53.88	Pass	Vertical
6	599.6979	150	300	-65.63	-13.00	52.63	Pass	Vertical
7	1692.8000	150	6	-53.31	-13.00	40.31	Pass	Vertical
8	2539.2000	150	325	-48.38	-13.00	35.38	Pass	Vertical
9	3185.6000	150	36	-45.27	-13.00	32.27	Pass	Vertical
10	5144.3572	150	173	-48.89	-13.00	35.89	Pass	Vertical
11	8173.0087	150	251	-43.61	-13.00	30.61	Pass	Vertical
12	15032.1016	150	191	-35.11	-13.00	22.11	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		V		Channel:		4133		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	161	-70.36	-13.00	57.36	Pass	Horizontal
2	161.1702	150	359	-64.17	-13.00	51.17	Pass	Horizontal
3	395.1810	150	114	-65.50	-13.00	52.50	Pass	Horizontal
4	478.4237	150	125	-57.34	-13.00	44.34	Pass	Horizontal
5	598.1456	150	326	-63.24	-13.00	50.24	Pass	Horizontal
6	725.8232	150	137	-66.01	-13.00	53.01	Pass	Horizontal
7	1653.2000	150	291	-53.43	-13.00	40.43	Pass	Horizontal
8	2479.8000	150	79	-49.74	-13.00	36.74	Pass	Horizontal
9	3306.4000	150	135	-49.74	-13.00	36.74	Pass	Horizontal
10	5054.3527	150	292	-47.59	-13.00	34.59	Pass	Horizontal
11	9760.0880	150	349	-42.67	-13.00	29.67	Pass	Horizontal
12	15032.1016	150	57	-35.52	-13.00	22.52	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		V		Channel:		4133		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	48.4337	150	241	-65.41	-13.00	52.41	Pass	Vertical
2	71.9124	150	53	-71.65	-13.00	58.65	Pass	Vertical
3	199.0078	150	135	-66.33	-13.00	53.33	Pass	Vertical
4	290.0120	150	0	-71.12	-13.00	58.12	Pass	Vertical
5	477.6475	150	265	-67.15	-13.00	54.15	Pass	Vertical
6	598.5337	150	42	-64.86	-13.00	51.86	Pass	Vertical
7	1653.2000	150	6	-52.47	-13.00	39.47	Pass	Vertical
8	2479.8000	150	218	-50.37	-13.00	37.37	Pass	Vertical
9	3306.4000	150	1	-49.51	-13.00	36.51	Pass	Vertical
10	6481.6741	150	173	-47.45	-13.00	34.45	Pass	Vertical
11	9688.0844	150	18	-42.01	-13.00	29.01	Pass	Vertical
12	15032.1016	150	212	-35.63	-13.00	22.63	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		V		Channel:		4175		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	172	-70.36	-13.00	57.36	Pass	Horizontal
2	161.1702	150	0	-65.53	-13.00	52.53	Pass	Horizontal
3	322.4165	150	136	-66.73	-13.00	53.73	Pass	Horizontal
4	479.1998	150	125	-57.11	-13.00	44.11	Pass	Horizontal
5	597.5635	150	312	-64.05	-13.00	51.05	Pass	Horizontal
6	742.5105	150	336	-67.37	-13.00	54.37	Pass	Horizontal
7	1670.0000	150	125	-53.48	-13.00	40.48	Pass	Horizontal
8	2505.0000	150	66	-50.12	-13.00	37.12	Pass	Horizontal
9	3340.0000	150	249	-50.07	-13.00	37.07	Pass	Horizontal
10	6413.4207	150	305	-46.71	-13.00	33.71	Pass	Horizontal
11	9693.3347	150	287	-42.05	-13.00	29.05	Pass	Horizontal
12	15032.1016	150	1	-35.21	-13.00	22.21	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		V		Channel:		4175		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.7622	150	266	-65.95	-13.00	52.95	Pass	Vertical
2	69.7780	150	43	-71.04	-13.00	58.04	Pass	Vertical
3	208.9038	150	160	-69.53	-13.00	56.53	Pass	Vertical
4	290.4001	150	348	-70.31	-13.00	57.31	Pass	Vertical
5	479.5879	150	149	-66.63	-13.00	53.63	Pass	Vertical
6	597.7576	150	160	-69.35	-13.00	56.35	Pass	Vertical
7	1670.0000	150	54	-53.15	-13.00	40.15	Pass	Vertical
8	2505.0000	150	113	-49.43	-13.00	36.43	Pass	Vertical
9	3340.0000	150	95	-50.95	-13.00	37.95	Pass	Vertical
10	6369.9185	150	228	-48.09	-13.00	35.09	Pass	Vertical
11	11766.4383	150	249	-41.81	-13.00	28.81	Pass	Vertical
12	15032.1016	150	287	-36.50	-13.00	23.50	Pass	Vertical

Mode:		HSDPA Traffic						
Band:		V		Channel:		4232		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	148	-69.89	-13.00	56.89	Pass	Horizontal
2	161.3643	150	347	-64.33	-13.00	51.33	Pass	Horizontal
3	290.2060	150	136	-67.78	-13.00	54.78	Pass	Horizontal
4	479.1998	150	125	-57.15	-13.00	44.15	Pass	Horizontal
5	600.0860	150	325	-63.41	-13.00	50.41	Pass	Horizontal
6	722.7185	150	113	-64.09	-13.00	51.09	Pass	Horizontal
7	1692.8000	150	171	-53.75	-13.00	40.75	Pass	Horizontal
8	2539.2000	150	242	-49.61	-13.00	36.61	Pass	Horizontal
9	3185.6000	150	172	-48.00	-13.00	35.00	Pass	Horizontal
10	5137.6069	150	228	-48.02	-13.00	35.02	Pass	Horizontal
11	9691.0846	150	18	-42.41	-13.00	29.41	Pass	Horizontal
12	15032.1016	150	172	-35.82	-13.00	22.82	Pass	Horizontal

Mode:		HSDPA Traffic						
Band:		V		Channel:		4232		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.7622	150	136	-65.60	-13.00	52.60	Pass	Vertical
2	199.5899	150	195	-65.95	-13.00	52.95	Pass	Vertical
3	290.2060	150	9	-71.42	-13.00	58.42	Pass	Vertical
4	398.2857	150	149	-71.35	-13.00	58.35	Pass	Vertical
5	479.9760	150	301	-62.30	-13.00	49.30	Pass	Vertical
6	597.3695	150	348	-64.95	-13.00	51.95	Pass	Vertical
7	1692.8000	150	31	-53.41	-13.00	40.41	Pass	Vertical
8	2539.2000	150	325	-49.49	-13.00	36.49	Pass	Vertical
9	3185.6000	150	36	-46.54	-13.00	33.54	Pass	Vertical
10	5045.3523	150	113	-48.49	-13.00	35.49	Pass	Vertical
11	9770.5885	150	18	-42.84	-13.00	29.84	Pass	Vertical
12	15032.8516	150	18	-35.71	-13.00	22.71	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		V		Channel:		4133		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	126	-71.65	-13.00	58.65	Pass	Horizontal
2	178.0516	150	150	-65.60	-13.00	52.60	Pass	Horizontal
3	199.2018	150	197	-66.11	-13.00	53.11	Pass	Horizontal
4	354.6269	150	126	-64.68	-13.00	51.68	Pass	Horizontal
5	478.4237	150	126	-57.21	-13.00	44.21	Pass	Horizontal
6	599.3099	150	314	-62.20	-13.00	49.20	Pass	Horizontal
7	1653.2000	150	338	-53.49	-13.00	40.49	Pass	Horizontal
8	2479.8000	150	232	-49.02	-13.00	36.02	Pass	Horizontal
9	3306.4000	150	191	-49.37	-13.00	36.37	Pass	Horizontal
10	6483.1742	150	269	-47.08	-13.00	34.08	Pass	Horizontal
11	11818.9409	150	347	-41.31	-13.00	28.31	Pass	Horizontal
12	15032.1016	150	134	-34.66	-13.00	21.66	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		V		Channel:		4133		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.7323	150	347	-66.81	-13.00	53.81	Pass	Vertical
2	199.0078	150	112	-67.78	-13.00	54.78	Pass	Vertical
3	290.4001	150	0	-70.77	-13.00	57.77	Pass	Vertical
4	398.8678	150	148	-73.24	-13.00	60.24	Pass	Vertical
5	479.1998	150	148	-66.69	-13.00	53.69	Pass	Vertical
6	599.8920	150	347	-65.21	-13.00	52.21	Pass	Vertical
7	1653.2000	150	88	-53.45	-13.00	40.45	Pass	Vertical
8	2479.8000	150	28	-48.14	-13.00	35.14	Pass	Vertical
9	3306.4000	150	114	-48.84	-13.00	35.84	Pass	Vertical
10	4931.3466	150	153	-48.24	-13.00	35.24	Pass	Vertical
11	9070.0535	150	36	-42.78	-13.00	29.78	Pass	Vertical
12	15032.1016	150	290	-34.46	-13.00	21.46	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		V		Channel:		4175		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.7323	150	347	-66.81	-13.00	53.81	Pass	Horizontal
2	199.0078	150	112	-67.78	-13.00	54.78	Pass	Horizontal
3	290.4001	150	0	-70.77	-13.00	57.77	Pass	Horizontal
4	398.8678	150	148	-73.24	-13.00	60.24	Pass	Horizontal
5	479.1998	150	148	-66.69	-13.00	53.69	Pass	Horizontal
6	599.8920	150	347	-65.21	-13.00	52.21	Pass	Horizontal
7	1653.2000	150	88	-53.45	-13.00	40.45	Pass	Horizontal
8	2479.8000	150	28	-48.14	-13.00	35.14	Pass	Horizontal
9	3306.4000	150	114	-48.84	-13.00	35.84	Pass	Horizontal
10	4931.3466	150	153	-48.24	-13.00	35.24	Pass	Horizontal
11	9070.0535	150	36	-42.78	-13.00	29.78	Pass	Horizontal
12	15032.1016	150	290	-34.46	-13.00	21.46	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		V		Channel:		4175		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	134	-66.91	-13.00	53.91	Pass	Vertical
2	69.5839	150	336	-73.14	-13.00	60.14	Pass	Vertical
3	208.9038	150	160	-69.48	-13.00	56.48	Pass	Vertical
4	399.8380	150	230	-67.06	-13.00	54.06	Pass	Vertical
5	477.6475	150	148	-66.79	-13.00	53.79	Pass	Vertical
6	598.5337	150	325	-65.29	-13.00	52.29	Pass	Vertical
7	1670.0000	150	56	-53.30	-13.00	40.30	Pass	Vertical
8	2505.0000	150	8	-50.59	-13.00	37.59	Pass	Vertical
9	3340.0000	150	59	-51.02	-13.00	38.02	Pass	Vertical
10	6488.4244	150	238	-46.62	-13.00	33.62	Pass	Vertical
11	11812.9406	150	198	-41.10	-13.00	28.10	Pass	Vertical
12	15032.1016	150	198	-35.23	-13.00	22.23	Pass	Vertical

Mode:		HSUPA Traffic						
Band:		V		Channel:		4232		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	158	-71.32	-13.00	58.32	Pass	Horizontal
2	199.9780	150	218	-62.21	-13.00	49.21	Pass	Horizontal
3	290.5941	150	135	-67.19	-13.00	54.19	Pass	Horizontal
4	479.1998	150	123	-57.35	-13.00	44.35	Pass	Horizontal
5	597.9516	150	324	-63.90	-13.00	50.90	Pass	Horizontal
6	716.1212	150	147	-66.86	-13.00	53.86	Pass	Horizontal
7	1692.8000	150	112	-52.47	-13.00	39.47	Pass	Horizontal
8	2539.2000	150	0	-47.98	-13.00	34.98	Pass	Horizontal
9	3185.6000	150	360	-47.03	-13.00	34.03	Pass	Horizontal
10	5041.6021	150	75	-48.82	-13.00	35.82	Pass	Horizontal
11	9623.5812	150	191	-42.41	-13.00	29.41	Pass	Horizontal
12	15032.1016	150	96	-36.04	-13.00	23.04	Pass	Horizontal

Mode:		HSUPA Traffic						
Band:		V		Channel:		4232		
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	276	-66.48	-13.00	53.48	Pass	Vertical
2	166.6033	150	324	-72.20	-13.00	59.20	Pass	Vertical
3	199.2018	150	148	-67.36	-13.00	54.36	Pass	Vertical
4	290.4001	150	0	-71.08	-13.00	58.08	Pass	Vertical
5	477.6475	150	148	-66.89	-13.00	53.89	Pass	Vertical
6	598.9218	150	359	-65.84	-13.00	52.84	Pass	Vertical
7	1692.8000	150	194	-52.74	-13.00	39.74	Pass	Vertical
8	2539.2000	150	29	-48.88	-13.00	35.88	Pass	Vertical
9	3185.6000	150	329	-47.97	-13.00	34.97	Pass	Vertical
10	6465.1733	150	191	-46.63	-13.00	33.63	Pass	Vertical
11	9691.0846	150	173	-41.87	-13.00	28.87	Pass	Vertical
12	15032.1016	150	114	-35.73	-13.00	22.73	Pass	Vertical

Note:

Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

PHOTOGRAPHS OF TEST SETUP

Test model No.: GLMM18A02

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

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

Radiated spurious emission Test Setup-3(Close-up)

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32K00246401 for EUT external and internal photos.

*** End of Report ***