TEST REPORT

Product	:	Intelligent Vehicle Network Gateway
Trade mark	:	TN-IVS-8000
Model/Type reference	:	TN-IVS-8000
Serial Number	:	N/A
Report Number	:	EED32I00216504
FCC ID	:	2AJDT-TNIVS8000
Date of Issue	:	Sep. 28, 2016
Test Standards	:	47 CFR Part 2(2015) 47 CFR Part 24 subpart E(2015)
Test result	:	PASS

Prepared for:

ZHEJIANG THIRD NET CO., LTD.
6th FL Building A, The Intelligence e Valley, No. 482 Qianmo Road, Binjiang District, Hangzhou, Zhejiang, china

Prepared by:

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Date:	Sep. 28, 2016		Check No.: 2402635644

2 Version

Version No.	Date	Description
00	Sep. 28, 2016	Original

3 Test Summary

LTE band 2			
Test Item	**Test Requirement**	**Test method**	**Result**
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-D-2010&KDB 971168 D01v02r02	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v02r02	PASS
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-D-2010 &KDB 971168 D01v02r02	PASS

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

Remark:

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

4 Content

5 Test Requirement

5.1 Test setup

5.1.1 For Radiated Emissions test setup

Radiated Emissions setup:

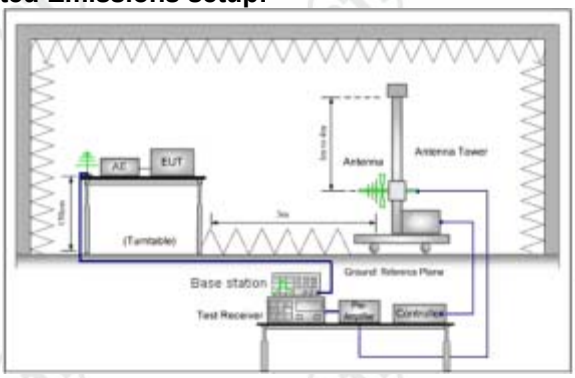


Figure 1.30MHz to 1GHz

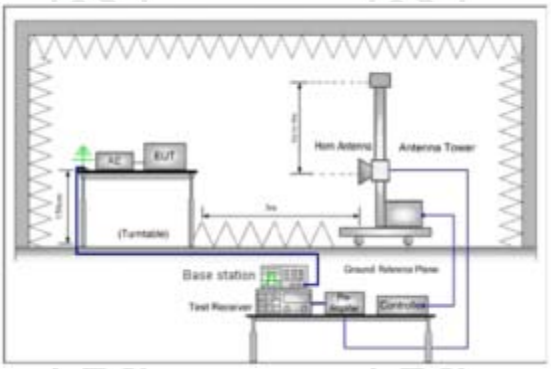


Figure 2. above 1GHz

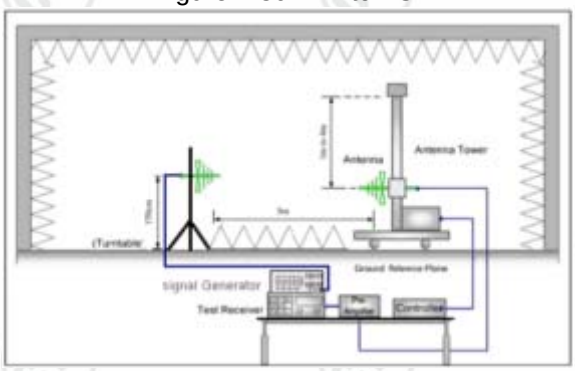


Figure 1. 30MHz to 1GHz

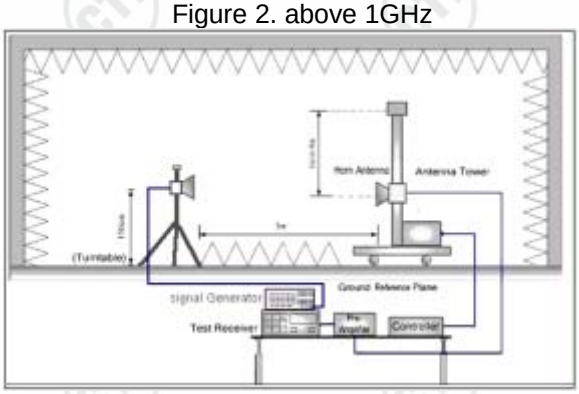


Figure 2. above 1GHz

5.2 Test Environment

Operating Environment:	
Temperature:	24°C
Humidity:	46% RH
Atmospheric Pressure:	1010mbar

5.3 Test Condition

Test channel:

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)	Number [DL]	Frequency of Downlink(MHz)
LTE band2 TX:1850-1910MHz RX:1930–1990MHz	Low Range	1.4	18607	1850.7	607	1930.7
		3	18615	1851.5	615	1931.5
		5	18625	1852.5	625	1932.5
		10	18650	1855	650	1935
		15	18675	1857.5	675	1937.5
		20	18700	1860	700	1940
	Mid Range	1.4/3/5/10/15/20	18900	1880	900	1960
	High Range	1.4	19193	1909.3	1193	1989.3
		3	19185	1908.5	1185	1988.5
		5	19175	1907.5	1175	1987.5
		10	19150	1905	1150	1985
		15	19125	1902.5	1125	1982.5
		20	19100	1900	1100	1980

6 General Information

6.1 Client Information

Applicant:	ZHEJIANG THIRD NET CO., LTD.
Address of Applicant:	6th FL Building A, The Intelligence e Valley, No. 482 Qianmo Road, Binjiang District, Hangzhou, Zhejiang, china
Manufacturer:	ZHEJIANG THIRD NET CO., LTD.
Address of Manufacturer:	6th FL Building A, The Intelligence e Valley, No. 482 Qianmo Road, Binjiang District, Hangzhou, Zhejiang, china

6.2 General Description of EUT

Product Name:	Intelligent Vehicle Network Gateway
Model No.(EUT):	TN-IVS-8000
Trade Mark:	TN-IVS-8000
EUT Supports Radios application	GPS: 1575.42MHz Wlan 2.4GHz 802.11b/g/n(HT20&HT40) UMTS: Band II(1900MHz), Band IV(1700MHz), Band V(850MHz) WCDMA LTE: Band 2, Band 4, Band 5, Band 17
Power Supply:	DC 9-36V
Sample Received Date:	Aug. 01, 2016
Sample tested Date:	Aug. 01, 2016 to Sep. 27, 2016

6.3 Product Specification subjective to this standard

Frequency Band:	**LTE Band 2:** Tx:1852.40 – 1907.60MHz; Rx:1932.40 – 1987.60MHz
Modulation Type:	LTE Mode with QPSK,16QAM Modulation
Sample Type:	Fixed production
Antenna Type:	Temporary antenna
Antenna Gain:	LTE Band 2: 1.5dBi, LTE Band 4: 1.5dBi, LTE Band 5: 1dBi, LTE Band 17: 1dBi
Test Voltage:	DC 12V

6.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Certification	Supplied by
DC Source	QIEKESI	10209898	FCC DOC	CTI

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

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

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

No tests were sub-contracted.

6.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories..

A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 886427

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

IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2 .

IC-Registration No.: 7408B-1

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.

NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

6.7 Deviation from Standards

None.

6.8 Abnormalities from Standard Conditions

None.

6.9 Other Information Requested by the Customer

None.

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

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

7 Equipment List

Communication RF test system					
Equipment	**Manufacturer**	**Mode No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Spectrum Analyzer	Agilent	E4440A	MY46185649	12-31-2015	12-29-2016
Signal Generator	Agilent	E4438C	MY45095744	04-01-2016	03-31-2017
Communication test set	Agilent	E5515C	GB47050534	04-01-2016	03-31-2017
Signal Generator	Keysight	E8257D	MY53401106	04-01-2016	03-31-2017
Communication test set	R&S	CMW500	152394	04-01-2016	03-31-2017
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-12-2016	01-11-2017
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX01CA09C L12-0395-001	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX01CA08C L12-0393-001	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX02CA04C L12-0396-002	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX02CA03C L12-0394-001	---	01-12-2016	01-11-2017
DC Power	Keysight	E3642A	MY54426112	04-08-2016	04-07-2017
DC Power	Keysight	E3642A	MY54426115	04-01-2016	03-31-2017
PC-2	Lenovo	R4960d	---	04-01-2016	03-31-2017
PC-3	Lenovo	R4960d	---	04-01-2016	03-31-2017
RF control unit	JS Tonscend	JS0806-1	158060004	04-01-2016	03-31-2017
DC power Box	JS Tonscend	JS0806-4	158060007	04-01-2016	03-31-2017
LTE Automatic test software	JS Tonscend	JS1120-1	---	04-01-2016	03-31-2017
WCDMA Automatic test software	JS Tonscend	JS1120-3	---	04-01-2016	03-31-2017
GSM Automatic test software	JS Tonscend	JS1120-3	---	04-01-2016	03-31-2017

Radiated Spurious Emission & Radiated Emission					
Equipment	**Manufacturer**	**Mode No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06-05-2016	06-05-2019
TRILOG Broadband Antenna	SCHWARZBECK	VULB9163	9163-617	05-23-2016	05-22-2017
Microwave Preamplifier	Agilent	8449B	3008A02425	02-04-2016	02-03-2017
Horn Antenna	ETS-LINDGREN	3117	00057407	07-20-2015	07-18-2018
Loop Antenna	ETS	6502	00071730	07-30-2015	07-28-2017
Spectrum Analyzer	R&S	FSP40	100416	06-16-2016	06-15-2017
Receiver	R&S	ESCI	100435	06-16-2016	06-15-2017
Multi device Controller	maturo	NCD/070/10711 112	---	01-12-2016	01-11-2017
LISN	schwarzbeck	NNBM8125	81251547	06-16-2016	06-15-2017
LISN	schwarzbeck	NNBM8125	81251548	06-16-2016	06-15-2017
Signal Generator	Agilent	E4438C	MY45095744	04-01-2016	03-31-2017
Signal Generator	Keysight	E8257D	MY53401106	04-01-2016	03-31-2017
Temperature/ Humidity Indicator	TAYLOR	1451	1905	04-27-2016	04-26-2017
Communication test set	Agilent	E5515C	GB47050534	04-01-2016	03-31-2017
Cable line	Fulai(7M)	SF106	5219/6A	01-12-2016	01-11-2017
Cable line	Fulai(6M)	SF106	5220/6A	01-12-2016	01-11-2017
Cable line	Fulai(3M)	SF106	5216/6A	01-12-2016	01-11-2017
Cable line	Fulai(3M)	SF106	5217/6A	01-12-2016	01-11-2017
Communication test set	R&S	CMW500	152394	04-01-2016	03-31-2017
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-12-2016	01-11-2017
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX01CA09C L12-0395-001	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX01CA08C L12-0393-001	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX02CA04C L12-0396-002	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX02CA03C L12-0394-001	---	01-12-2016	01-11-2017

8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 22 (2015)	PART 22 – PUBLIC MOBILE SERVICES Subpart H – Cellular Radiotelephone Service
2	PART 24 (2015)	PART 24 – PERSONAL COMMUNICATIONS SERVICES Subpart E – Broadband PCS
3	PART 27 (2015)	PART 27 – MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES Subpart C – Technical Standards
3	PART 2 (2015)	Frequency allocations and radio treaty matters; general rules and regulations
4	TIA-603-D-2010	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
5	KDB971168 D01	KDB971168 D01 Power Meas License Digital Systems v02r02

Test Results List:

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

Appendix A: 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:

1) 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.
2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
7) The output power into the substitution antenna was then measured.
8) Steps 6) and 7)were repeated with both antennas polarized.
9) Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)
EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)
EIRP=ERP+2.15dB

where:
Pg is the generator output power into the substitution antenna.

10) Test the EUT in the lowest channel, the middle channel the Highest channel
11) Repeat above procedures until all frequencies measured was complete.

Limit:

Mode	LTE band 2
Limit	33.01dBm（2W）

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.91	23.69	PASS
		1	3	22.93	23.63	PASS
		1	5	22.95	23.65	PASS
		3	0	22.96	23.66	PASS
		3	2	22.96	23.66	PASS
		3	3	22.97	23.67	PASS
		6	0	21.91	22.61	PASS
	MCH	1	0	23.21	24.14	PASS
		1	3	23.17	24.07	PASS
		1	5	23.23	24.13	PASS
		3	0	23.23	24.13	PASS
		3	2	23.18	24.08	PASS
		3	3	23.19	24.09	PASS
		6	0	22.19	23.09	PASS
	HCH	1	0	22.91	23.89	PASS
		1	3	22.85	23.84	PASS
		1	5	22.82	23.81	PASS
		3	0	22.74	23.73	PASS
		3	2	22.74	23.73	PASS
		3	3	22.87	23.86	PASS
		6	0	21.85	22.84	PASS
16QAM	LCH	1	0	21.85	22.40	PASS
		1	3	21.96	22.36	PASS
		1	5	22.01	22.21	PASS
		3	0	22.00	22.20	PASS
		3	2	22.05	22.35	PASS
		3	3	22.03	22.33	PASS
		6	0	20.81	21.31	PASS
	MCH	1	0	22.14	24.56	PASS
		1	3	22.29	24.49	PASS
		1	5	22.20	24.50	PASS
		3	0	22.24	24.54	PASS
		3	2	22.21	24.51	PASS
		3	3	22.23	24.43	PASS
		6	0	21.09	23.49	PASS
	HCH	1	0	21.90	22.51	PASS
		1	3	21.96	22.46	PASS
		1	5	21.71	22.21	PASS
		3	0	22.00	22.50	PASS
		3	2	21.91	22.41	PASS
		3	3	21.85	22.35	PASS
		6	0	20.76	21.26	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.53	23.71	PASS
		1	7	22.66	23.66	PASS
		1	14	22.64	23.64	PASS
		8	0	21.65	22.85	PASS
		8	4	21.75	22.95	PASS
		8	7	21.71	22.91	PASS
		15	0	21.72	22.92	PASS
	MCH	1	0	23.13	23.17	PASS
		1	7	23.15	23.18	PASS
		1	14	23.12	23.15	PASS
		8	0	22.23	22.26	PASS
		8	4	22.17	23.11	PASS
		8	7	22.20	22.23	PASS
		15	0	22.22	22.25	PASS
	HCH	1	0	22.95	23.79	PASS
		1	7	22.99	23.79	PASS
		1	14	22.79	23.59	PASS
		8	0	21.29	22.09	PASS
		8	4	20.66	21.46	PASS
		8	7	20.80	21.60	PASS
		15	0	21.94	22.74	PASS
16QAM	LCH	1	0	21.52	21.71	PASS
		1	7	21.56	21.76	PASS
		1	14	21.63	21.83	PASS
		8	0	20.69	20.89	PASS
		8	4	20.86	21.06	PASS
		8	7	20.75	20.95	PASS
		15	0	20.73	20.93	PASS
	MCH	1	0	22.06	22.49	PASS
		1	7	22.06	22.49	PASS
		1	14	22.01	22.41	PASS
		8	0	21.26	21.76	PASS
		8	4	21.35	21.85	PASS
		8	7	21.11	21.61	PASS
		15	0	21.20	21.70	PASS
	HCH	1	0	21.92	22.16	PASS
		1	7	21.88	22.08	PASS
		1	14	21.71	21.91	PASS
		8	0	21.14	21.34	PASS
		8	4	21.12	21.32	PASS
		8	7	20.94	21.14	PASS
		15	0	21.05	21.25	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.60	23.46	PASS
		1	12	22.74	23.44	PASS
		1	24	22.76	23.46	PASS
		12	0	21.57	22.37	PASS
		12	6	21.67	22.47	PASS
		12	13	21.70	22.50	PASS
		25	0	21.72	22.52	PASS
	MCH	1	0	23.18	24.24	PASS
		1	12	23.24	24.24	PASS
		1	24	23.03	24.13	PASS
		12	0	22.20	23.30	PASS
		12	6	22.21	23.31	PASS
		12	13	22.11	23.21	PASS
		25	0	22.10	23.20	PASS
	HCH	1	0	23.23	24.39	PASS
		1	12	23.08	24.08	PASS
		1	24	22.91	23.91	PASS
		12	0	22.07	23.07	PASS
		12	6	21.96	22.96	PASS
		12	13	21.99	22.99	PASS
		25	0	21.93	22.98	PASS
16QAM	LCH	1	0	21.52	22.36	PASS
		1	12	21.71	22.51	PASS
		1	24	21.73	22.53	PASS
		12	0	20.66	21.46	PASS
		12	6	20.75	21.55	PASS
		12	13	20.69	21.49	PASS
		25	0	20.72	21.52	PASS
	MCH	1	0	22.06	24.41	PASS
		1	12	22.03	24.33	PASS
		1	24	22.15	24.45	PASS
		12	0	21.07	23.37	PASS
		12	6	21.08	23.38	PASS
		12	13	21.07	23.37	PASS
		25	0	21.18	23.48	PASS
	HCH	1	0	22.04	22.51	PASS
		1	12	21.95	22.45	PASS
		1	24	21.81	22.31	PASS
		12	0	21.18	21.68	PASS
		12	6	21.06	21.56	PASS
		12	13	21.00	21.50	PASS
		25	0	20.99	22.49	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.40	23.12	PASS
		1	24	22.49	23.19	PASS
		1	49	22.52	23.22	PASS
		25	0	21.65	22.35	PASS
		25	12	21.58	22.28	PASS
		25	25	21.57	22.27	PASS
		50	0	21.62	22.32	PASS
	MCH	1	0	23.04	23.96	PASS
		1	24	23.19	24.09	PASS
		1	49	22.99	23.89	PASS
		25	0	22.02	22.92	PASS
		25	12	22.09	22.99	PASS
		25	25	21.96	22.86	PASS
		50	0	22.02	22.92	PASS
	HCH	1	0	22.99	23.23	PASS
		1	24	23.02	23.32	PASS
		1	49	22.80	23.10	PASS
		25	0	22.04	22.34	PASS
		25	12	22.01	22.31	PASS
		25	25	21.91	22.21	PASS
		50	0	21.92	22.22	PASS
16QAM	LCH	1	0	21.37	21.94	PASS
		1	24	21.38	21.88	PASS
		1	49	21.46	21.96	PASS
		25	0	20.67	21.17	PASS
		25	12	20.51	21.01	PASS
		25	25	20.73	21.23	PASS
		50	0	20.71	21.21	PASS
	MCH	1	0	21.87	23.42	PASS
		1	24	22.08	23.68	PASS
		1	49	21.91	23.51	PASS
		25	0	21.11	22.71	PASS
		25	12	21.08	22.68	PASS
		25	25	21.08	22.68	PASS
		50	0	21.00	22.60	PASS
	HCH	1	0	21.89	22.47	PASS
		1	24	22.03	22.63	PASS
		1	49	21.76	22.36	PASS
		25	0	21.15	21.75	PASS
		25	12	21.08	21.68	PASS
		25	25	21.04	21.64	PASS
		50	0	20.98	21.58	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.44	23.74	PASS
		1	37	22.48	23.78	PASS
		1	74	22.64	23.94	PASS
		37	0	21.49	22.79	PASS
		37	18	21.41	22.71	PASS
		37	38	21.52	22.82	PASS
		75	0	21.45	22.75	PASS
	MCH	1	0	22.95	23.53	PASS
		1	37	23.07	23.67	PASS
		1	74	22.83	23.43	PASS
		37	0	21.94	22.54	PASS
		37	18	22.05	22.65	PASS
		37	38	21.97	22.57	PASS
		75	0	21.96	22.56	PASS
	HCH	1	0	22.97	23.95	PASS
		1	37	22.96	23.96	PASS
		1	74	22.81	23.81	PASS
		37	0	21.94	22.94	PASS
		37	18	21.94	22.94	PASS
		37	38	21.99	22.99	PASS
		75	0	21.79	22.79	PASS
16QAM	LCH	1	0	21.33	22.22	PASS
		1	37	21.46	22.36	PASS
		1	74	21.49	22.39	PASS
		37	0	20.58	21.48	PASS
		37	18	20.55	21.45	PASS
		37	38	20.55	21.45	PASS
		75	0	20.68	21.58	PASS
	MCH	1	0	21.78	22.33	PASS
		1	37	21.95	22.55	PASS
		1	74	21.94	22.54	PASS
		37	0	20.99	21.59	PASS
		37	18	20.98	21.58	PASS
		37	38	20.98	21.58	PASS
		75	0	20.97	21.57	PASS
	HCH	1	0	21.92	21.52	PASS
		1	37	21.88	21.48	PASS
		1	74	21.76	22.36	PASS
		37	0	20.90	21.50	PASS
		37	18	21.02	22.62	PASS
		37	38	21.09	22.69	PASS
		75	0	20.94	22.54	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.59	23.56	PASS
		1	49	22.76	23.72	PASS
		1	99	22.94	23.90	PASS
		50	0	21.55	22.51	PASS
		50	25	21.52	22.48	PASS
		50	50	21.62	22.58	PASS
		100	0	21.56	22.52	PASS
	MCH	1	0	23.05	23.29	PASS
		1	49	23.25	23.49	PASS
		1	99	22.88	23.12	PASS
		50	0	21.99	22.23	PASS
		50	25	22.07	22.31	PASS
		50	50	21.94	22.18	PASS
		100	0	21.96	22.20	PASS
	HCH	1	0	22.97	23.32	PASS
		1	49	23.01	23.61	PASS
		1	99	22.94	23.54	PASS
		50	0	21.90	22.5	PASS
		50	25	21.93	22.53	PASS
		50	50	21.83	22.43	PASS
		100	0	21.89	22.49	PASS
16QAM	LCH	1	0	21.31	21.83	PASS
		1	49	21.46	21.96	PASS
		1	99	21.69	22.19	PASS
		50	0	20.55	21.05	PASS
		50	25	20.50	21.00	PASS
		50	50	20.65	21.15	PASS
		100	0	20.55	21.05	PASS
	MCH	1	0	21.74	22.56	PASS
		1	49	21.90	22.80	PASS
		1	99	21.53	22.43	PASS
		50	0	20.92	21.82	PASS
		50	25	20.94	21.84	PASS
		50	50	20.90	21.80	PASS
		100	0	20.93	21.83	PASS
	HCH	1	0	21.70	23.26	PASS
		1	49	21.80	23.20	PASS
		1	99	21.61	23.01	PASS
		50	0	20.87	22.27	PASS
		50	25	20.83	22.23	PASS
		50	50	20.88	22.28	PASS
		100	0	20.98	22.38	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.08	<13	PASS
		1	3	3.96	<13	PASS
		1	5	3.9	<13	PASS
		3	0	4.47	<13	PASS
		3	2	4.28	<13	PASS
		3	3	4.28	<13	PASS
		6	0	4.69	<13	PASS
	MCH	1	0	5.27	<13	PASS
		1	3	5.18	<13	PASS
		1	5	5.22	<13	PASS
		3	0	5.51	<13	PASS
		3	2	5.56	<13	PASS
		3	3	5.55	<13	PASS
		6	0	6.07	<13	PASS
	HCH	1	0	4.61	<13	PASS
		1	3	4.67	<13	PASS
		1	5	4.65	<13	PASS
		3	0	5.15	<13	PASS
		3	2	4.92	<13	PASS
		3	3	5.03	<13	PASS
		6	0	5.76	<13	PASS
16QAM	LCH	1	0	4.7	<13	PASS
		1	3	4.71	<13	PASS
		1	5	4.61	<13	PASS
		3	0	4.91	<13	PASS
		3	2	4.94	<13	PASS
		3	3	4.96	<13	PASS
		6	0	5.58	<13	PASS
	MCH	1	0	6.24	<13	PASS
		1	3	6.16	<13	PASS
		1	5	6.23	<13	PASS
		3	0	6.62	<13	PASS
		3	2	6.55	<13	PASS
		3	3	6.64	<13	PASS
		6	0	6.79	<13	PASS
	HCH	1	0	5.61	<13	PASS
		1	3	5.58	<13	PASS
		1	5	5.65	<13	PASS
		3	0	5.92	<13	PASS
		3	2	6.01	<13	PASS
		3	3	6.05	<13	PASS
		6	0	6.36	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.12	<13	PASS
		1	7	3.99	<13	PASS
		1	14	3.89	<13	PASS
		8	0	4.73	<13	PASS
		8	4	4.61	<13	PASS
		8	7	4.59	<13	PASS
		15	0	4.83	<13	PASS
	MCH	1	0	5.4	<13	PASS
		1	7	5.21	<13	PASS
		1	14	5.15	<13	PASS
		8	0	6.05	<13	PASS
		8	4	6.09	<13	PASS
		8	7	6.04	<13	PASS
		15	0	5.98	<13	PASS
	HCH	1	0	4.83	<13	PASS
		1	7	4.75	<13	PASS
		1	14	4.59	<13	PASS
		8	0	5.88	<13	PASS
		8	4	5.79	<13	PASS
		8	7	5.7	<13	PASS
		15	0	5.78	<13	PASS
16QAM	LCH	1	0	4.79	<13	PASS
		1	7	4.75	<13	PASS
		1	14	4.58	<13	PASS
		8	0	5.5	<13	PASS
		8	4	5.39	<13	PASS
		8	7	5.28	<13	PASS
		15	0	5.54	<13	PASS
	MCH	1	0	6.4	<13	PASS
		1	7	6.1	<13	PASS
		1	14	6.12	<13	PASS
		8	0	6.66	<13	PASS
		8	4	6.63	<13	PASS
		8	7	6.58	<13	PASS
		15	0	6.76	<13	PASS
	HCH	1	0	5.83	<13	PASS
		1	7	5.84	<13	PASS
		1	14	5.58	<13	PASS
		8	0	6.54	<13	PASS
		8	4	6.31	<13	PASS
		8	7	6.26	<13	PASS
		15	0	6.6	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.24	<13	PASS
		1	12	3.92	<13	PASS
		1	24	3.99	<13	PASS
		12	0	4.8	<13	PASS
		12	6	4.65	<13	PASS
		12	13	4.54	<13	PASS
		25	0	5.03	<13	PASS
	MCH	1	0	5.5	<13	PASS
		1	12	5.38	<13	PASS
		1	24	5.28	<13	PASS
		12	0	6.07	<13	PASS
		12	6	6.05	<13	PASS
		12	13	5.93	<13	PASS
		25	0	6.13	<13	PASS
	HCH	1	0	4.94	<13	PASS
		1	12	5.06	<13	PASS
		1	24	4.64	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.84	<13	PASS
		12	13	5.65	<13	PASS
		25	0	5.91	<13	PASS
16QAM	LCH	1	0	4.81	<13	PASS
		1	12	4.56	<13	PASS
		1	24	4.57	<13	PASS
		12	0	5.61	<13	PASS
		12	6	5.49	<13	PASS
		12	13	5.43	<13	PASS
		25	0	5.77	<13	PASS
	MCH	1	0	6.34	<13	PASS
		1	12	6.24	<13	PASS
		1	24	6.16	<13	PASS
		12	0	6.88	<13	PASS
		12	6	6.95	<13	PASS
		12	13	6.59	<13	PASS
		25	0	6.79	<13	PASS
	HCH	1	0	5.93	<13	PASS
		1	12	5.86	<13	PASS
		1	24	5.76	<13	PASS
		12	0	6.73	<13	PASS
		12	6	6.75	<13	PASS
		12	13	6.38	<13	PASS
		25	0	6.55	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.04	<13	PASS
		1	24	3.61	<13	PASS
		1	49	4.19	<13	PASS
		25	0	4.6	<13	PASS
		25	12	4.94	<13	PASS
		25	25	4.39	<13	PASS
		50	0	4.96	<13	PASS
	MCH	1	0	5.51	<13	PASS
		1	24	5.12	<13	PASS
		1	49	4.92	<13	PASS
		25	0	5.76	<13	PASS
		25	12	6.08	<13	PASS
		25	25	5.33	<13	PASS
		50	0	5.31	<13	PASS
	HCH	1	0	4.6	<13	PASS
		1	24	4.86	<13	PASS
		1	49	4.79	<13	PASS
		25	0	5.5	<13	PASS
		25	12	6.03	<13	PASS
		25	25	5.28	<13	PASS
		50	0	5.39	<13	PASS
16QAM	LCH	1	0	4.84	<13	PASS
		1	24	4.57	<13	PASS
		1	49	4.87	<13	PASS
		25	0	5.66	<13	PASS
		25	12	5.85	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.88	<13	PASS
	MCH	1	0	6.62	<13	PASS
		1	24	6.14	<13	PASS
		1	49	5.8	<13	PASS
		25	0	6.65	<13	PASS
		25	12	6.81	<13	PASS
		25	25	6.3	<13	PASS
		50	0	6.44	<13	PASS
	HCH	1	0	5.81	<13	PASS
		1	24	5.81	<13	PASS
		1	49	5.64	<13	PASS
		25	0	6.44	<13	PASS
		25	12	6.65	<13	PASS
		25	25	6.21	<13	PASS
		50	0	6.4	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.9	<13	PASS
		1	37	3.6	<13	PASS
		1	74	5.51	<13	PASS
		37	0	5.08	<13	PASS
		37	18	5.18	<13	PASS
		37	38	5.22	<13	PASS
		75	0	5.41	<13	PASS
	MCH	1	0	6.08	<13	PASS
		1	37	5.18	<13	PASS
		1	74	5.75	<13	PASS
		37	0	5.4	<13	PASS
		37	18	6.03	<13	PASS
		37	38	5.41	<13	PASS
		75	0	5.53	<13	PASS
	HCH	1	0	9.2	<13	PASS
		1	37	4.96	<13	PASS
		1	74	5.52	<13	PASS
		37	0	5.33	<13	PASS
		37	18	5.9	<13	PASS
		37	38	5.37	<13	PASS
		75	0	5.49	<13	PASS
16QAM	LCH	1	0	5.67	<13	PASS
		1	37	4.58	<13	PASS
		1	74	6.2	<13	PASS
		37	0	6.24	<13	PASS
		37	18	5.97	<13	PASS
		37	38	6.27	<13	PASS
		75	0	6.55	<13	PASS
	MCH	1	0	7.22	<13	PASS
		1	37	6.25	<13	PASS
		1	74	6.55	<13	PASS
		37	0	6.66	<13	PASS
		37	18	6.77	<13	PASS
		37	38	6.57	<13	PASS
		75	0	6.72	<13	PASS
	HCH	1	0	6.41	<13	PASS
		1	37	5.81	<13	PASS
		1	74	6.19	<13	PASS
		37	0	6.47	<13	PASS
		37	18	6.59	<13	PASS
		37	38	6.58	<13	PASS
		75	0	6.75	<13	PASS

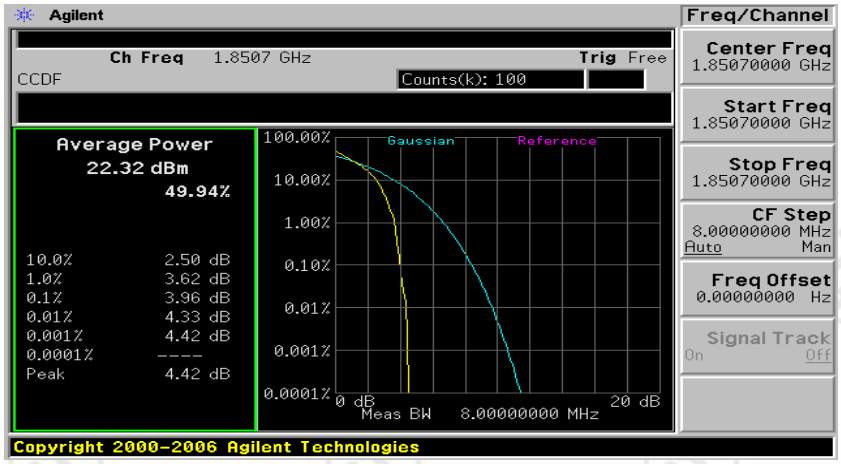
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	1.99	<13	PASS
		1	49	4.89	<13	PASS
		1	99	3.16	<13	PASS
		50	0	5.97	<13	PASS
		50	25	5.26	<13	PASS
		50	50	6.29	<13	PASS
		100	0	6.09	<13	PASS
	MCH	1	0	2.13	<13	PASS
		1	49	5.21	<13	PASS
		1	99	3.21	<13	PASS
		50	0	6.01	<13	PASS
		50	25	5.47	<13	PASS
		50	50	6.31	<13	PASS
		100	0	6.13	<13	PASS
	HCH	1	0	2.05	<13	PASS
		1	49	4.96	<13	PASS
		1	99	3.16	<13	PASS
		50	0	6.04	<13	PASS
		50	25	5.33	<13	PASS
		50	50	6.34	<13	PASS
		100	0	6.12	<13	PASS
16QAM	LCH	1	0	1.84	<13	PASS
		1	49	5.48	<13	PASS
		1	99	3.04	<13	PASS
		50	0	6.8	<13	PASS
		50	25	6.37	<13	PASS
		50	50	6.97	<13	PASS
		100	0	7	<13	PASS
	MCH	1	0	2.14	<13	PASS
		1	49	5.94	<13	PASS
		1	99	3.17	<13	PASS
		50	0	6.96	<13	PASS
		50	25	6.42	<13	PASS
		50	50	7.08	<13	PASS
		100	0	7.1	<13	PASS
	HCH	1	0	2.01	<13	PASS
		1	49	5.7	<13	PASS
		1	99	2.99	<13	PASS
		50	0	6.88	<13	PASS
		50	25	6.43	<13	PASS
		50	50	7	<13	PASS
		100	0	7.14	<13	PASS

Test Graphs
Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

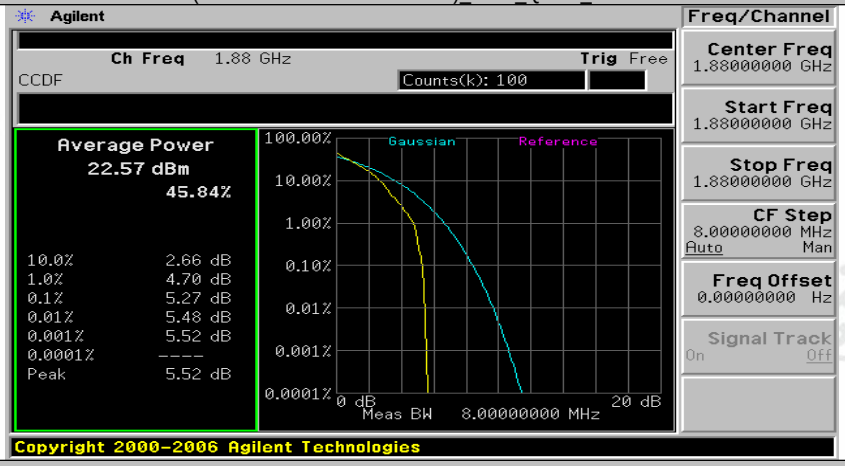
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

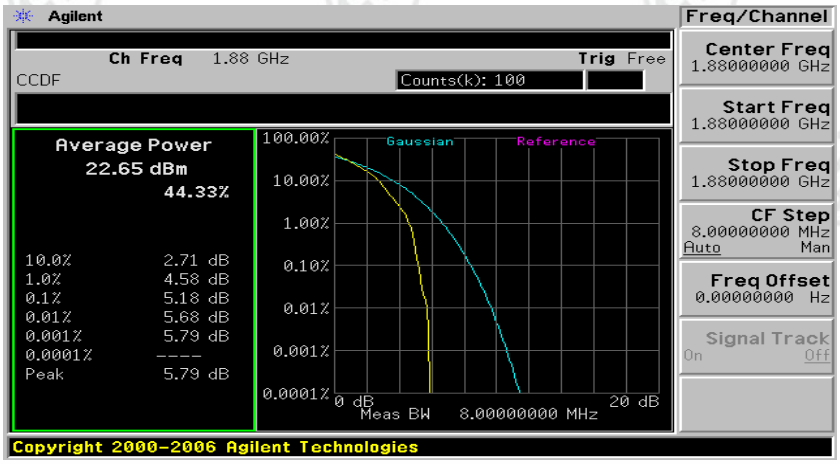
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

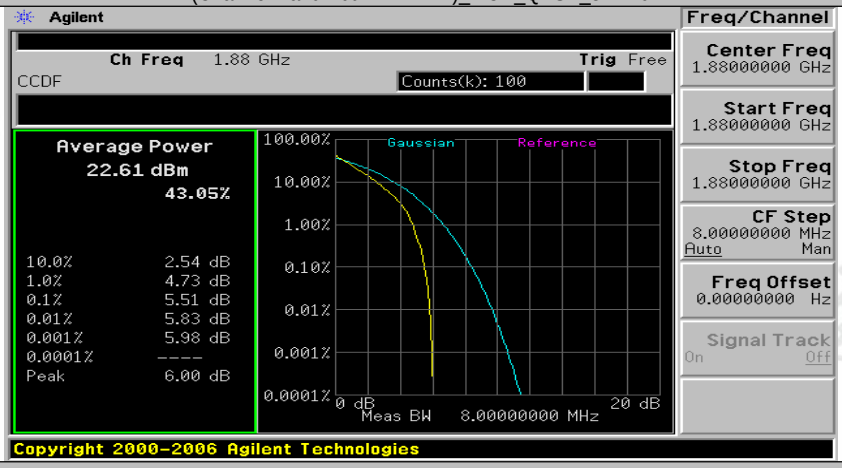


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

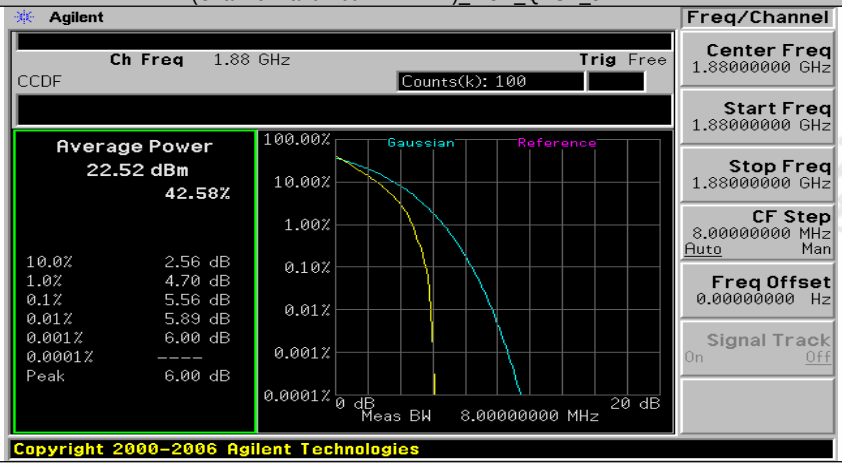


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

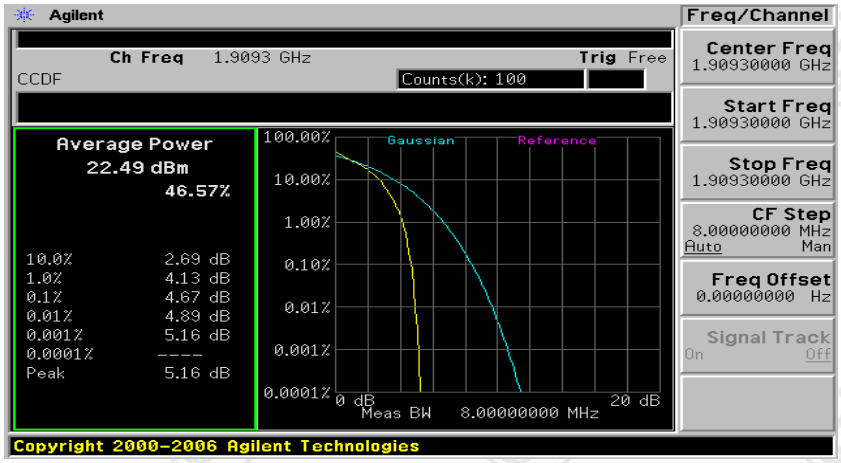


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

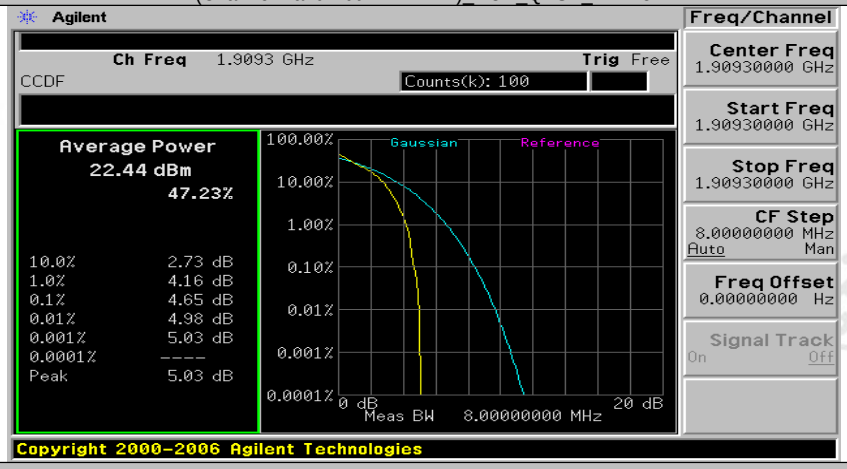
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



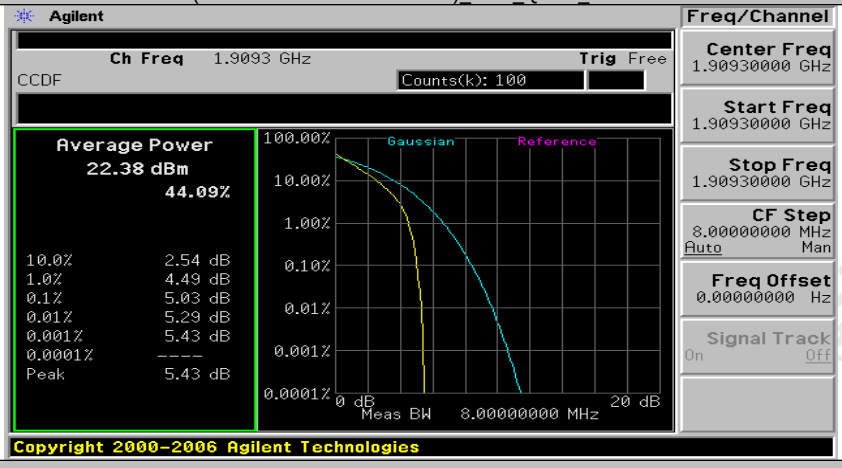
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

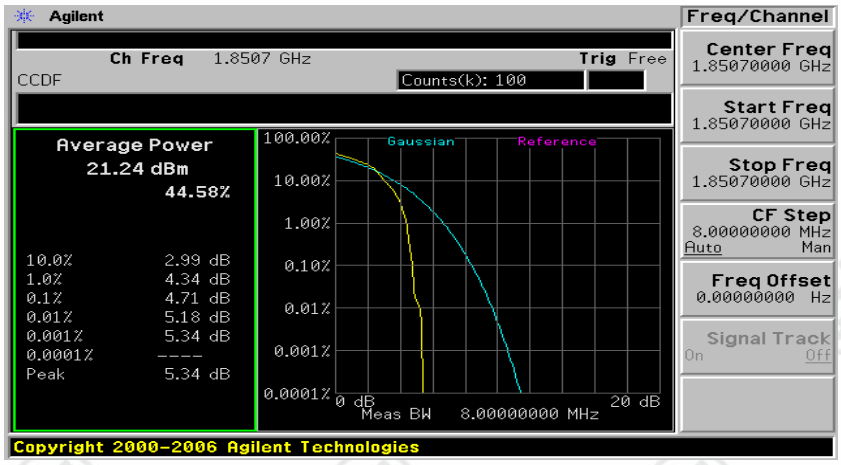
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

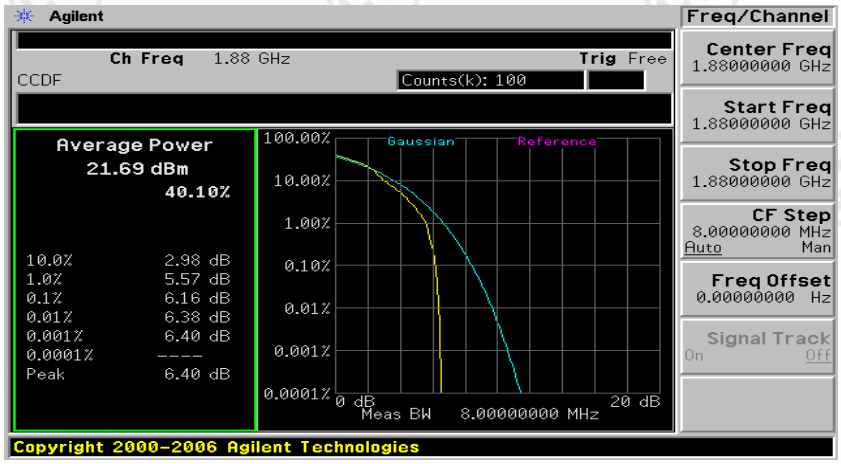
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0

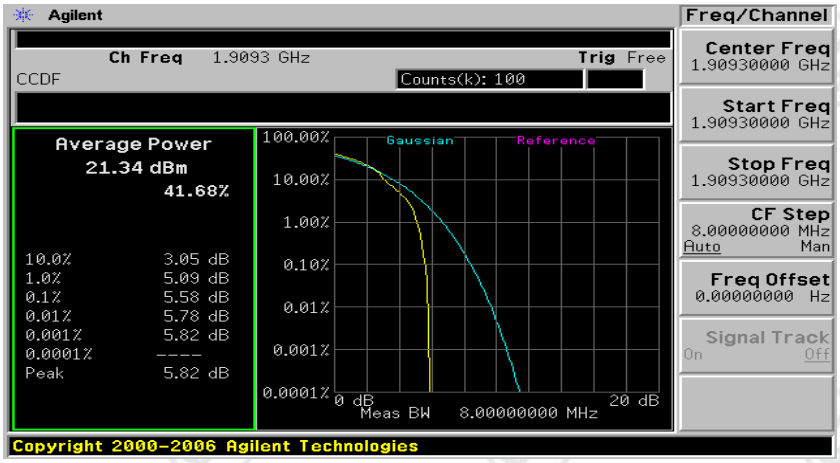
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3

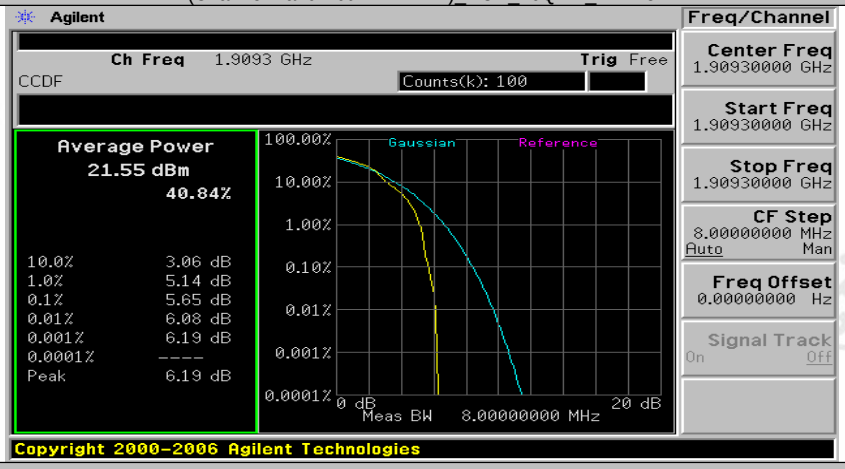
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

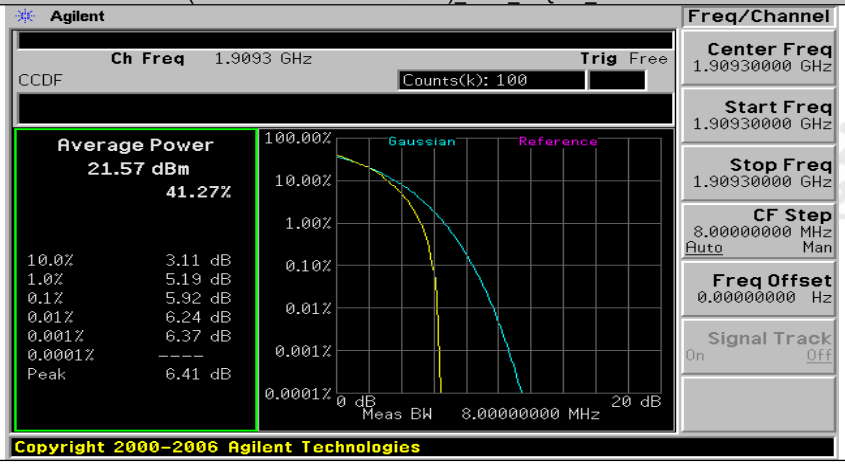
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

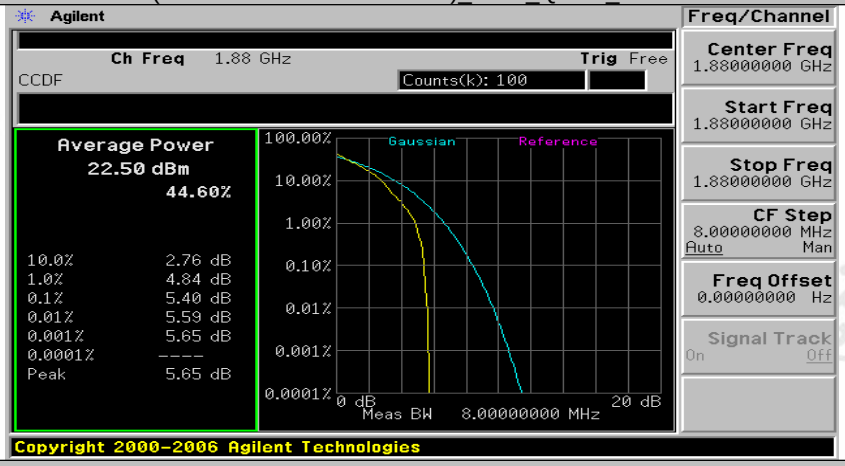
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

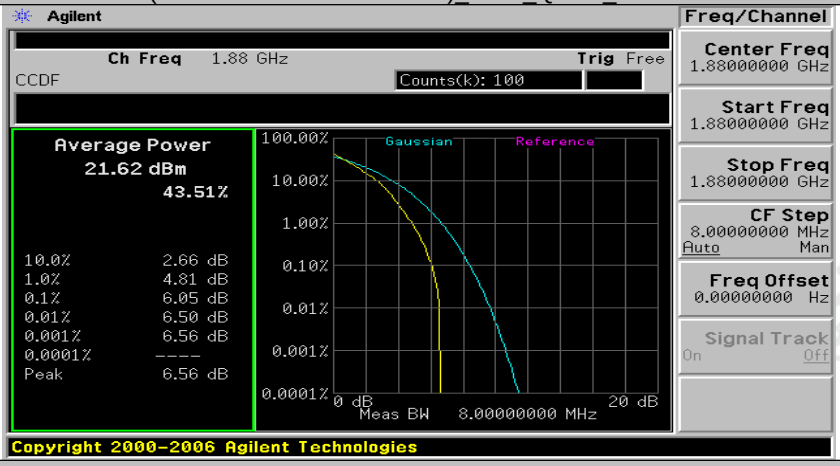
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



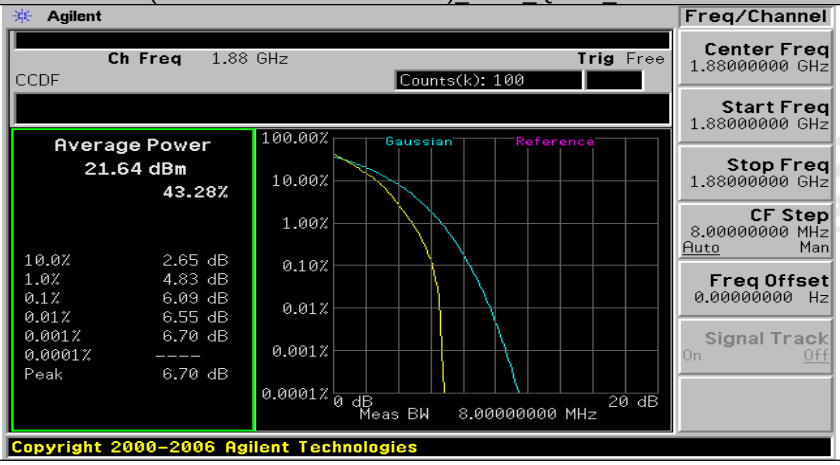
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0

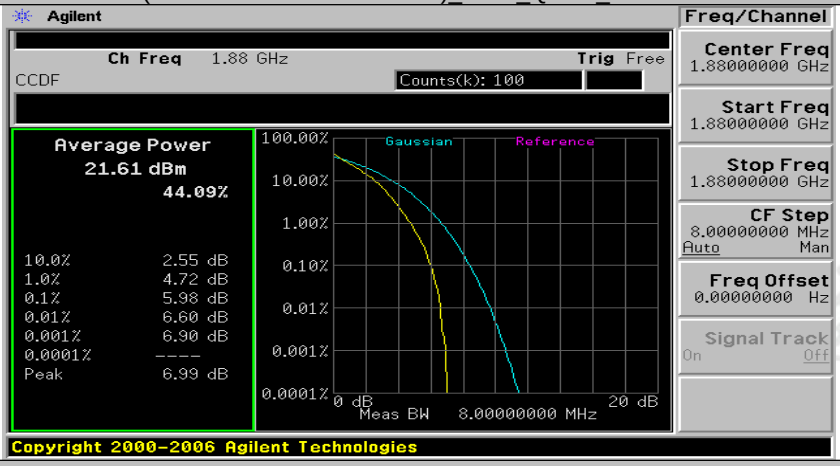


(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

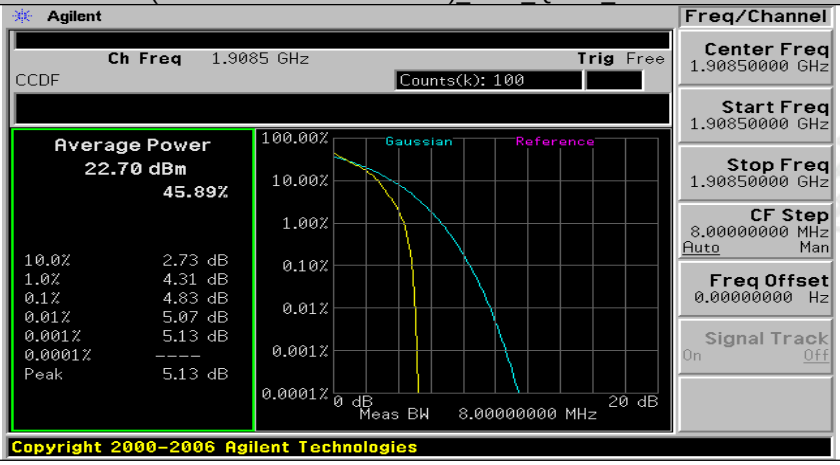


(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



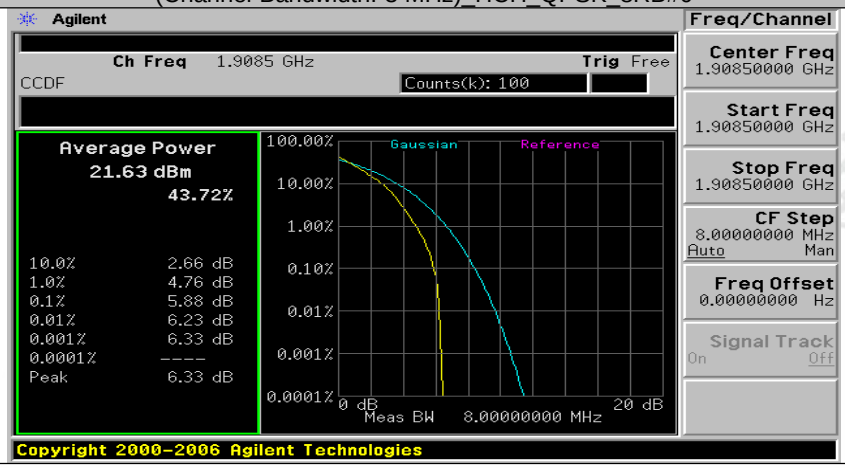
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

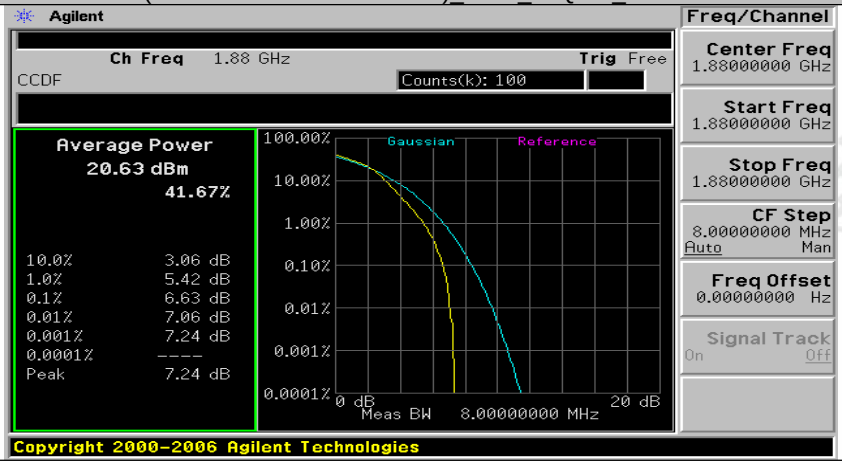
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

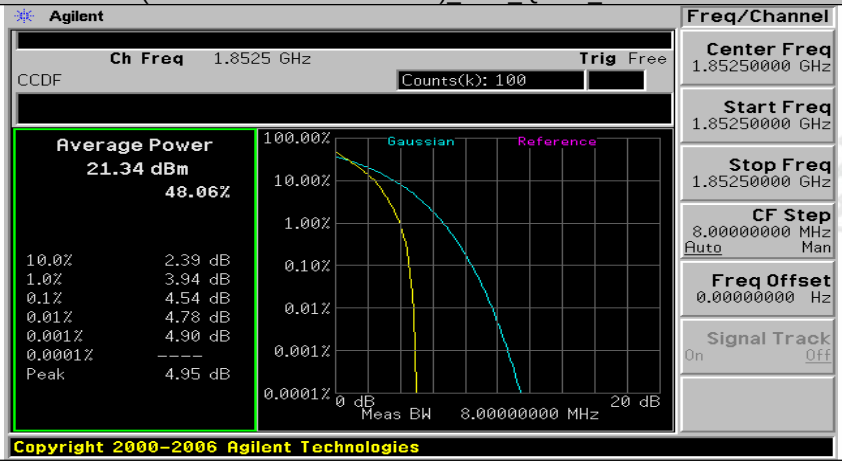
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

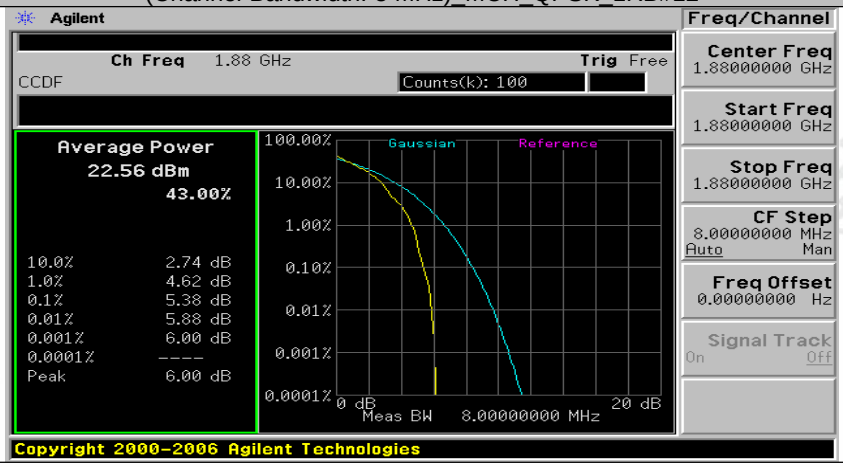
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

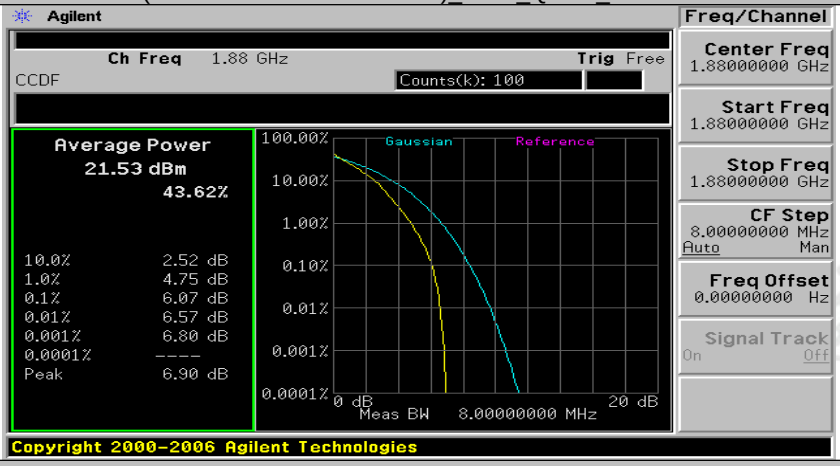
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

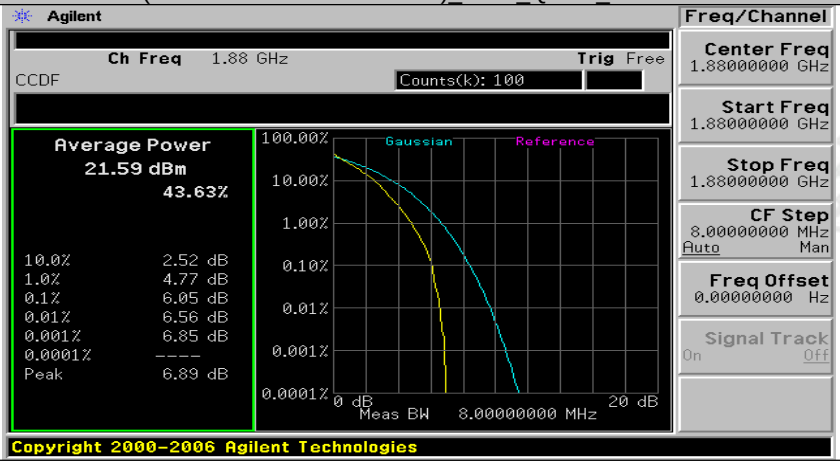


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

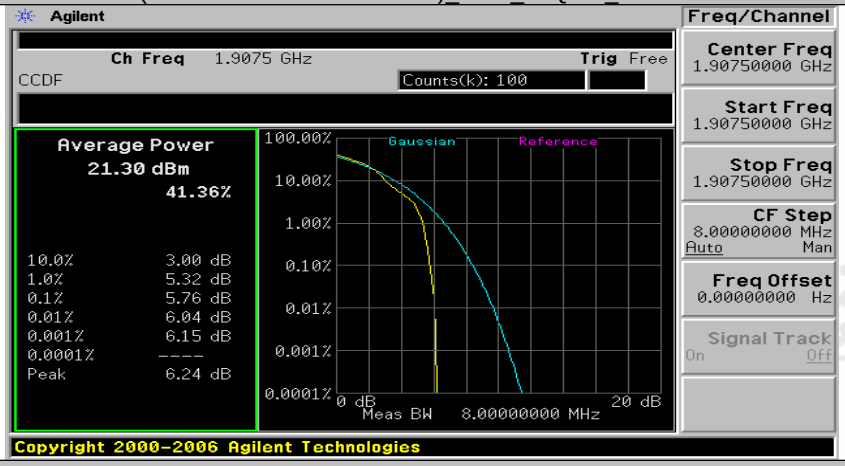
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

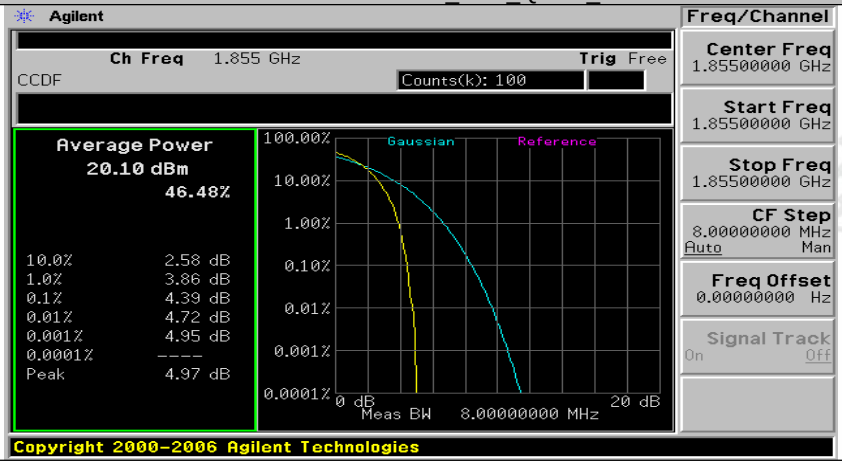
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

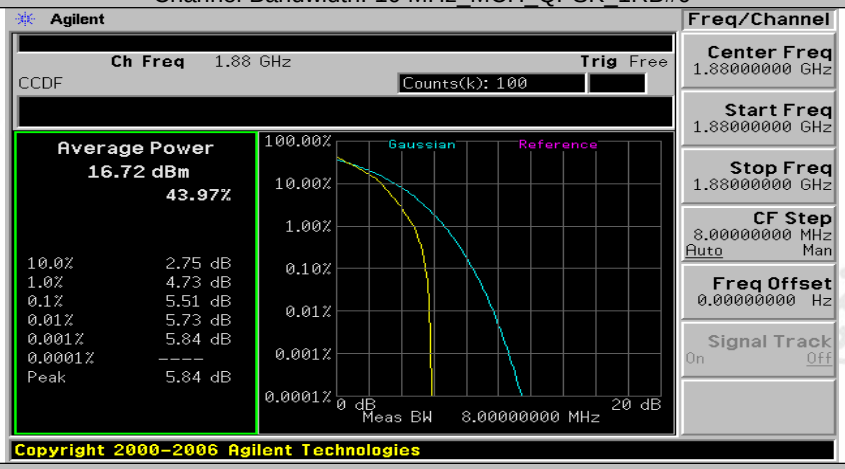
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

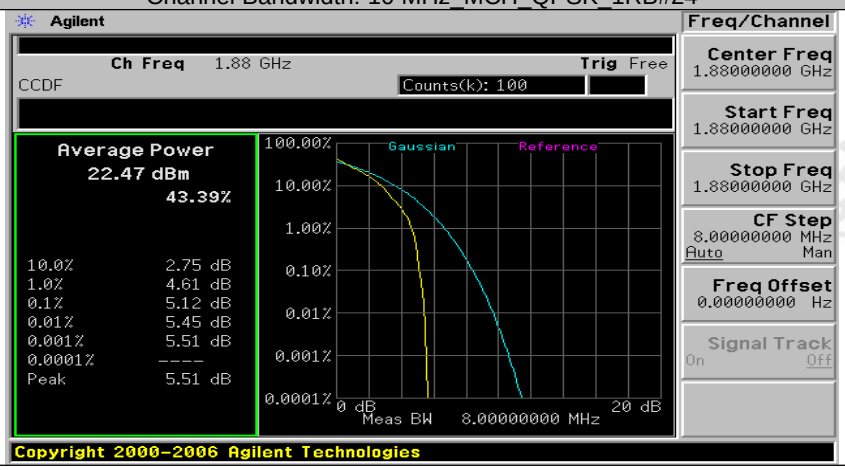


Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

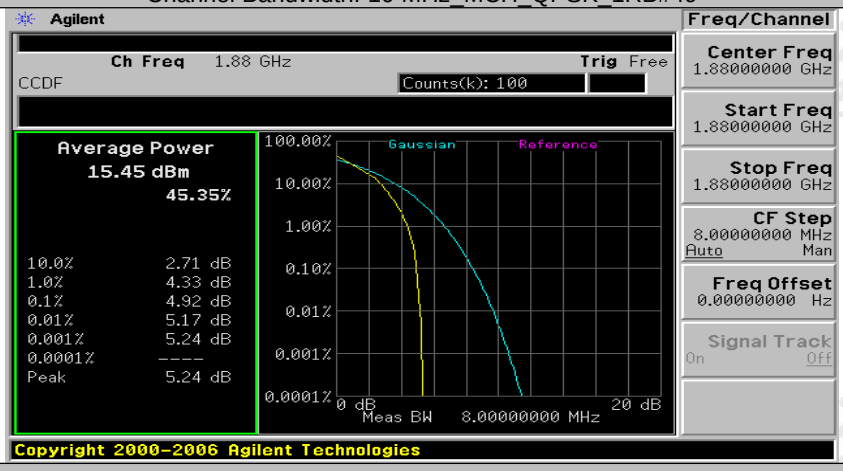
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



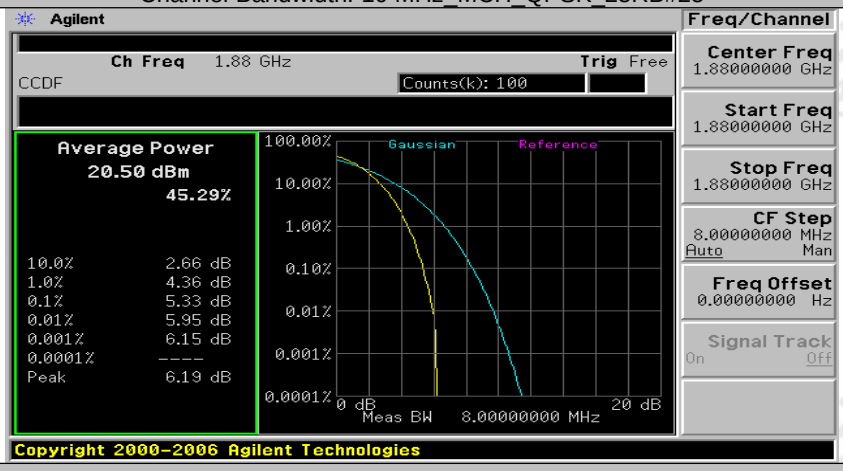
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



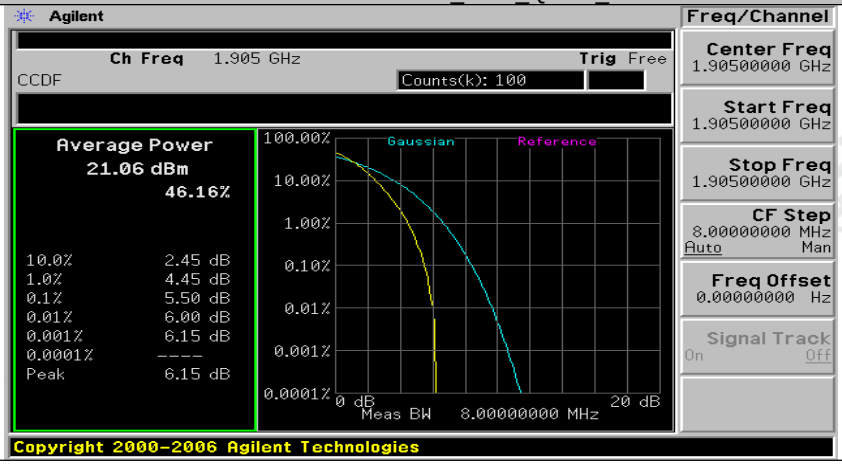
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

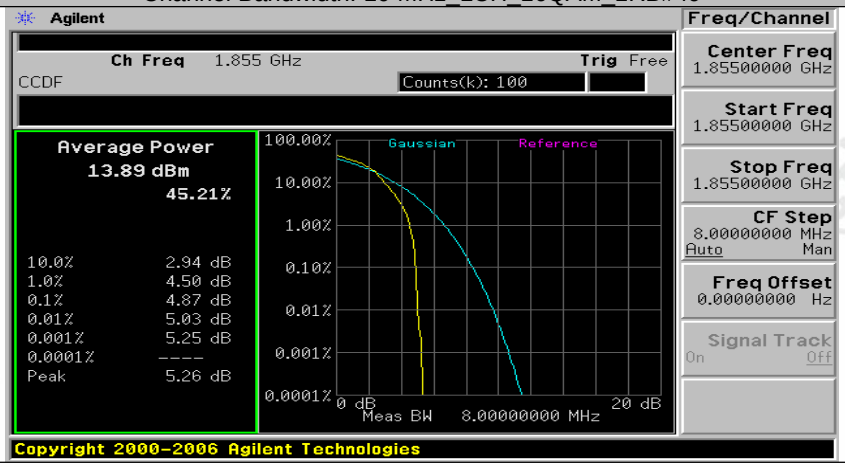
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

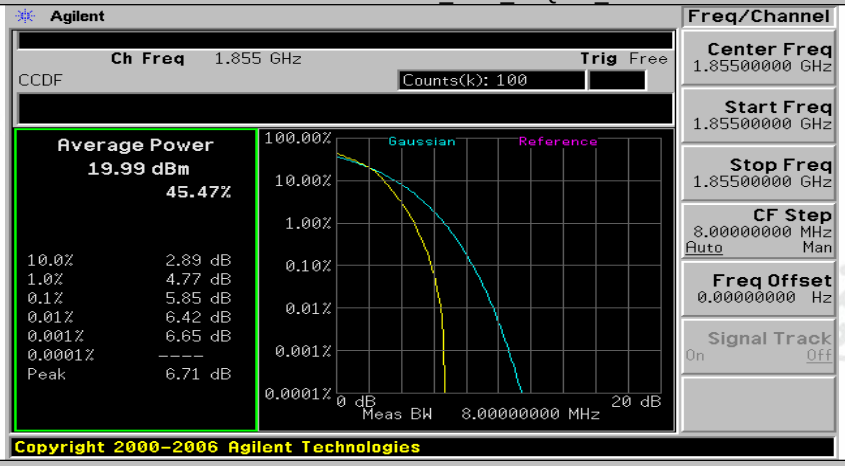
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

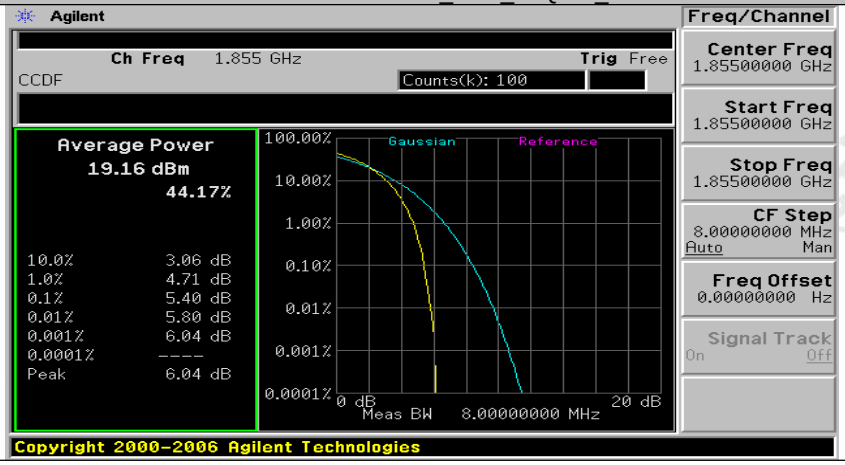


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

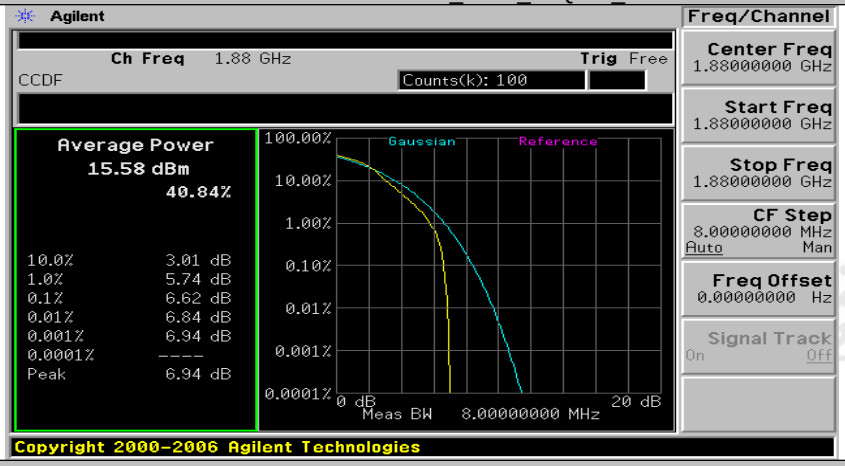


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

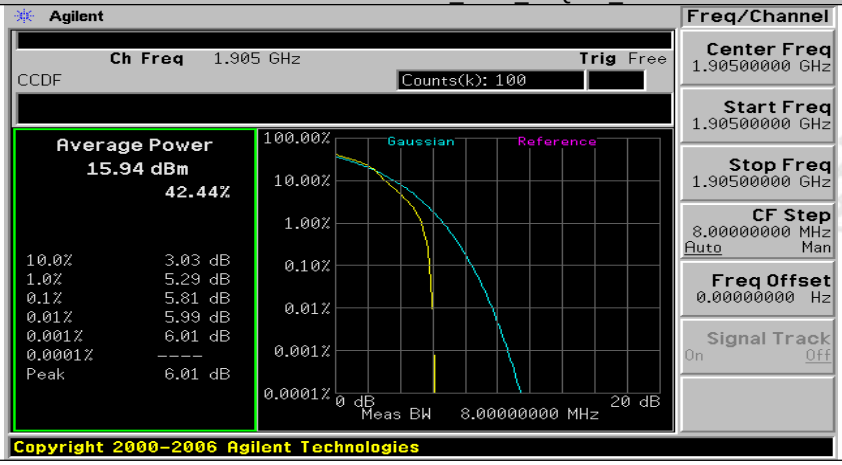
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

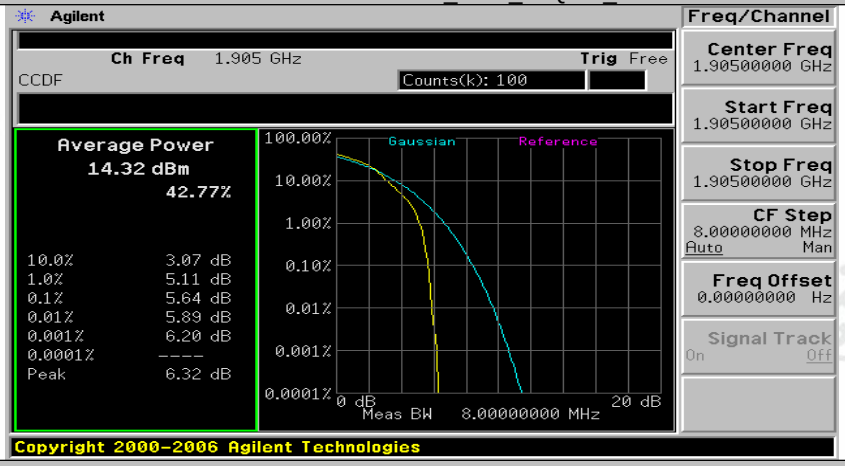
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

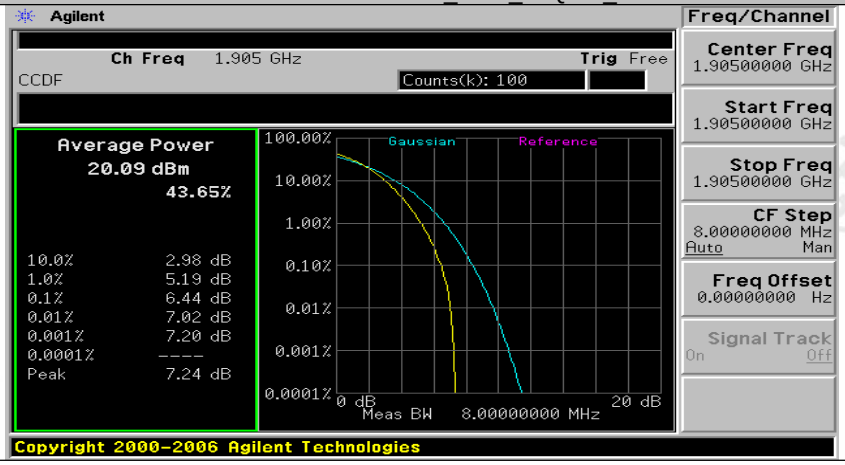


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

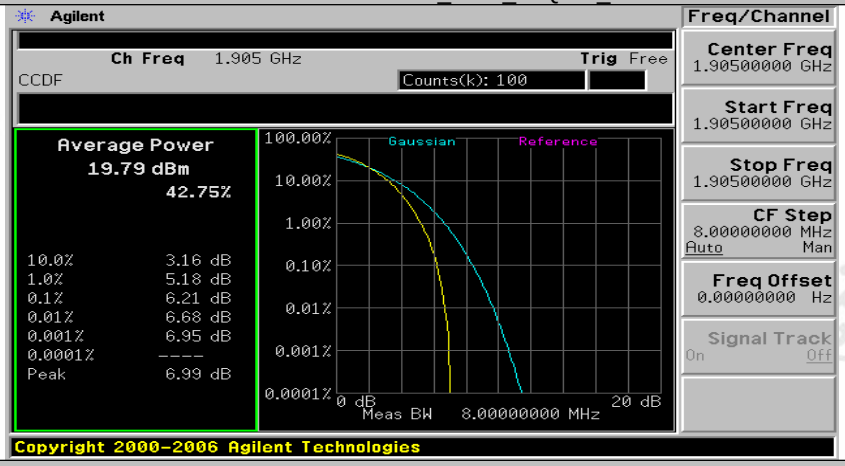


Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

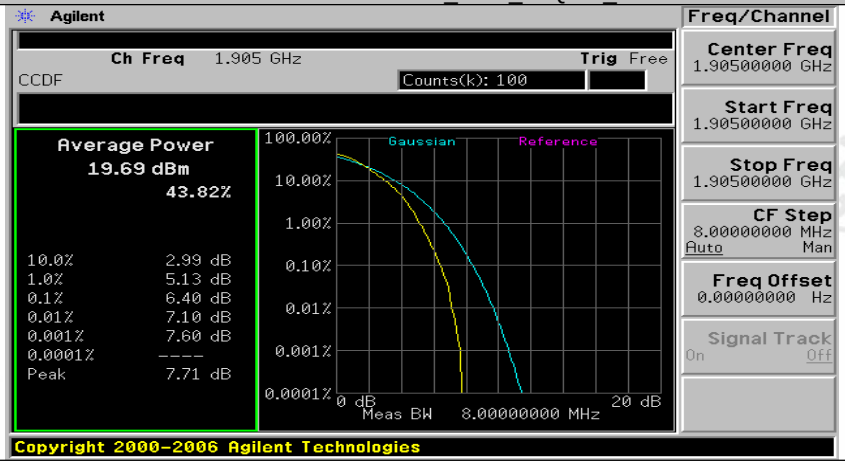


Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

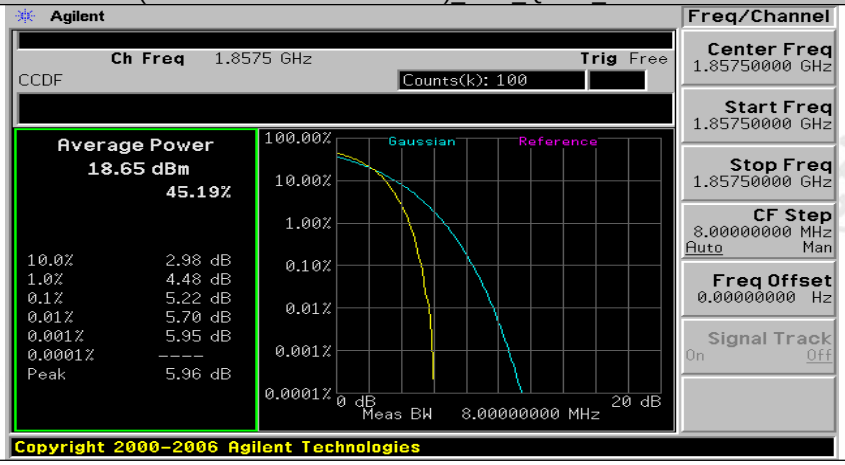
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

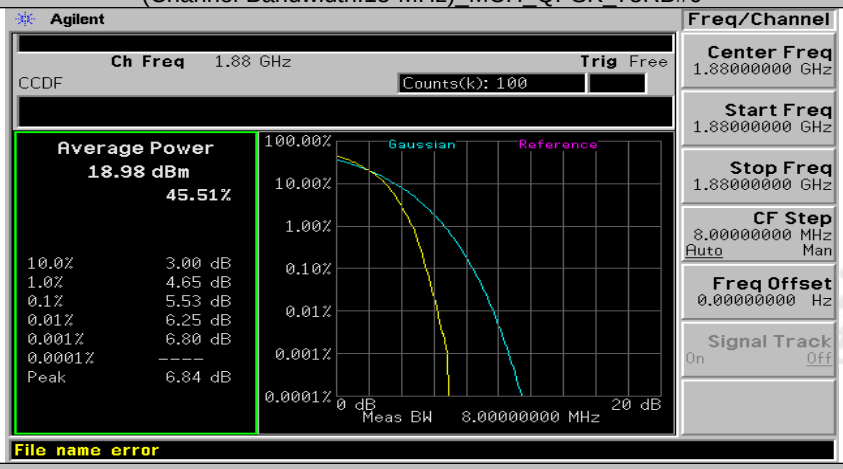
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

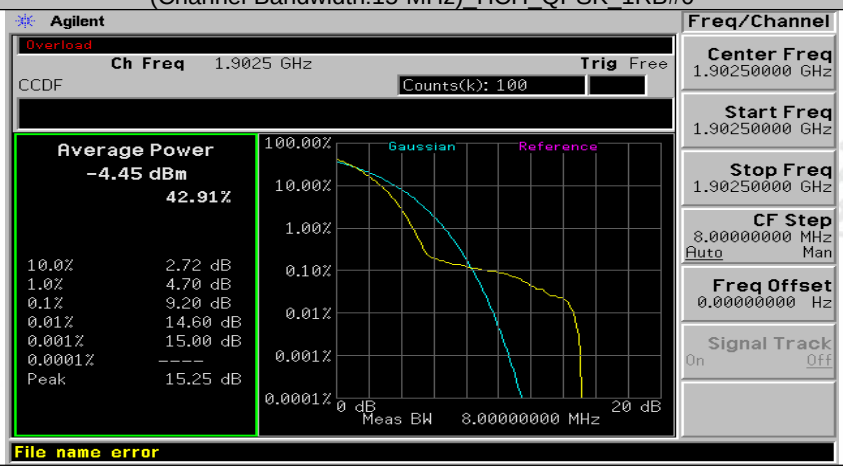
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38

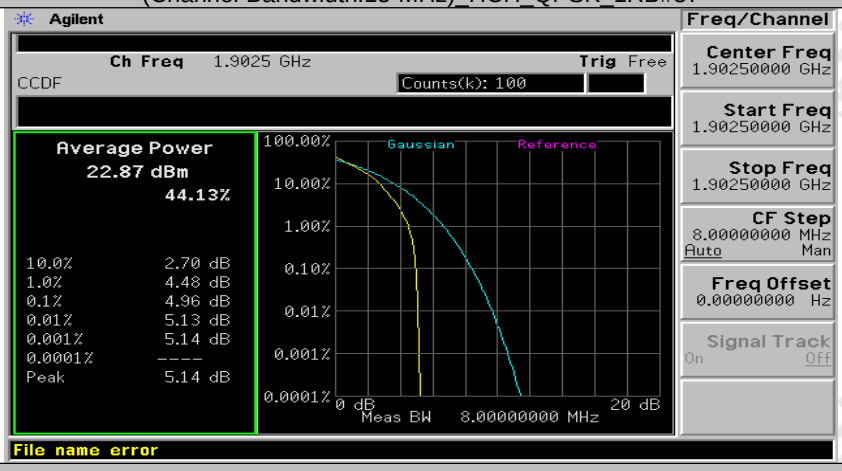
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



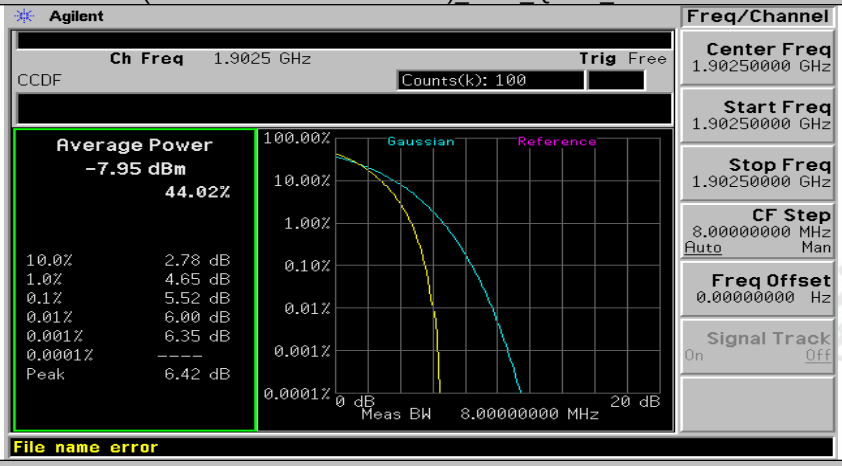
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



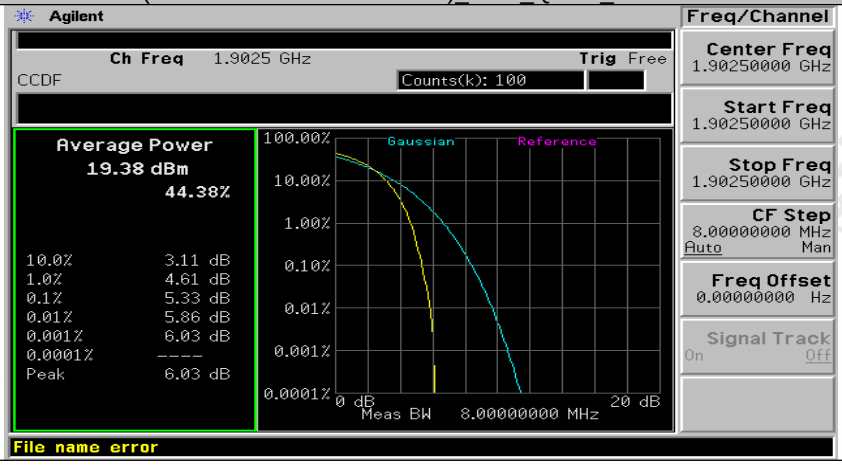
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



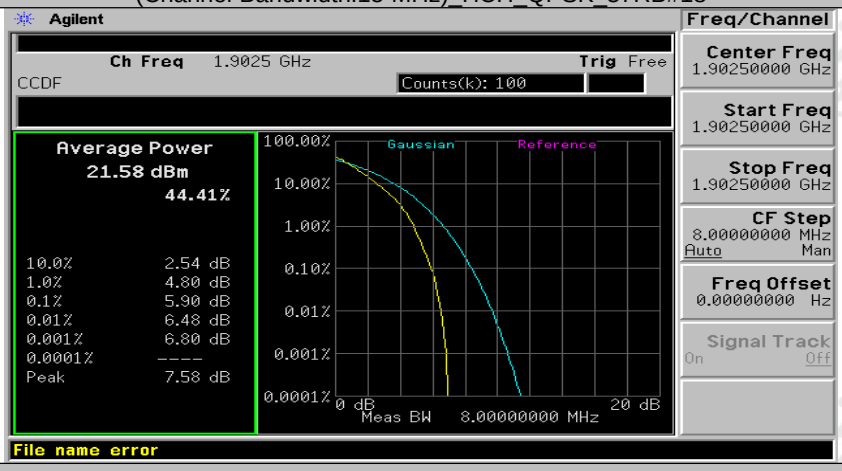
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

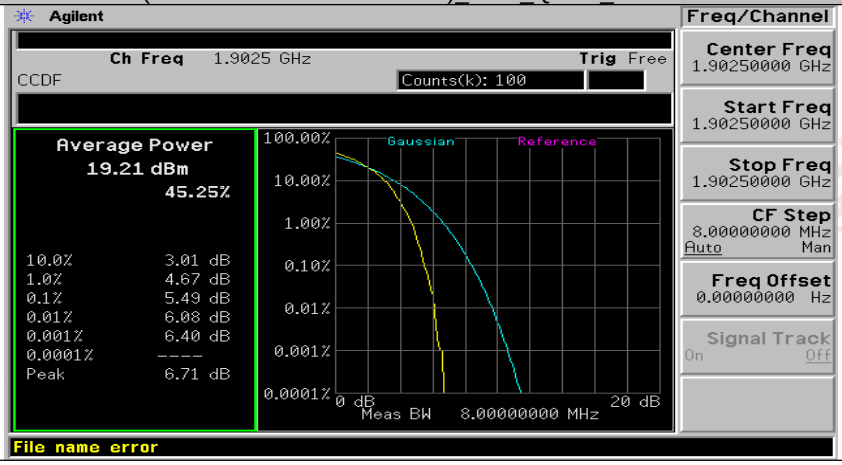


(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

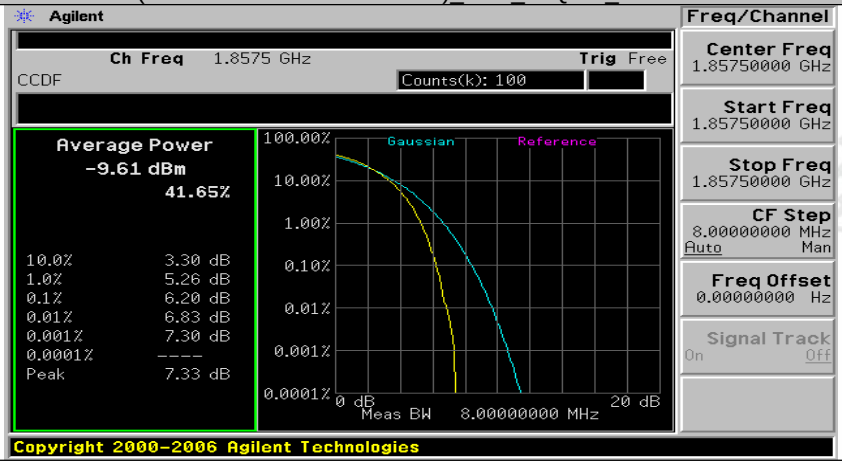
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0

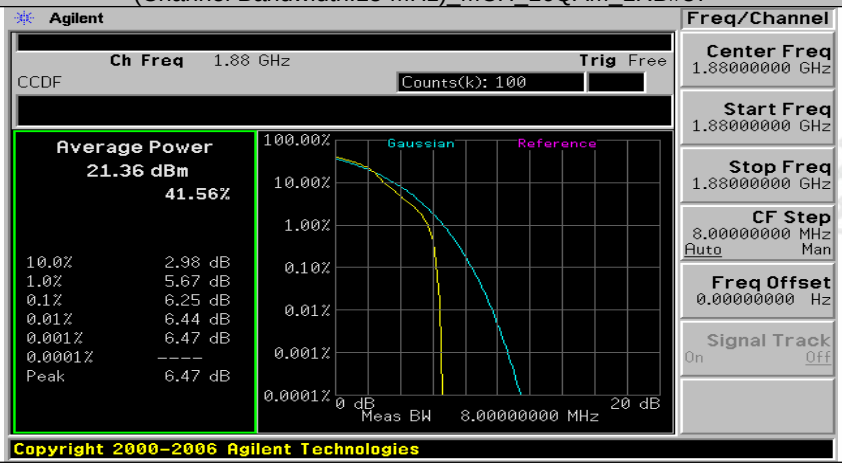
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

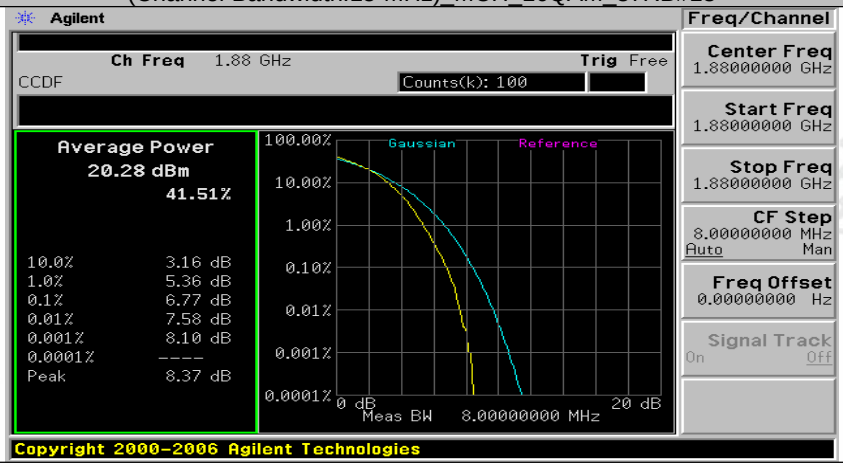
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74

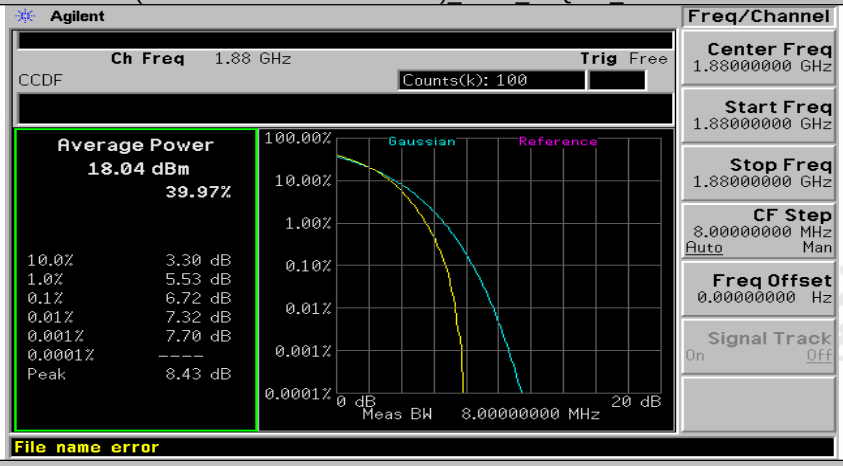
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18

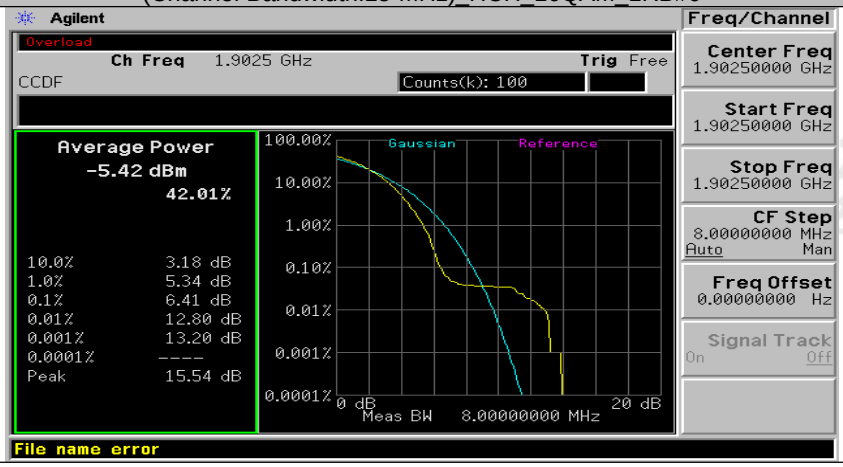


(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38

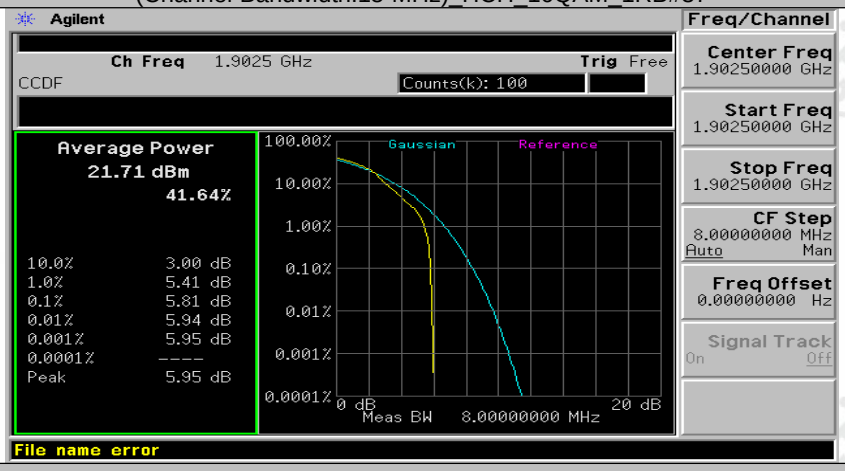
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

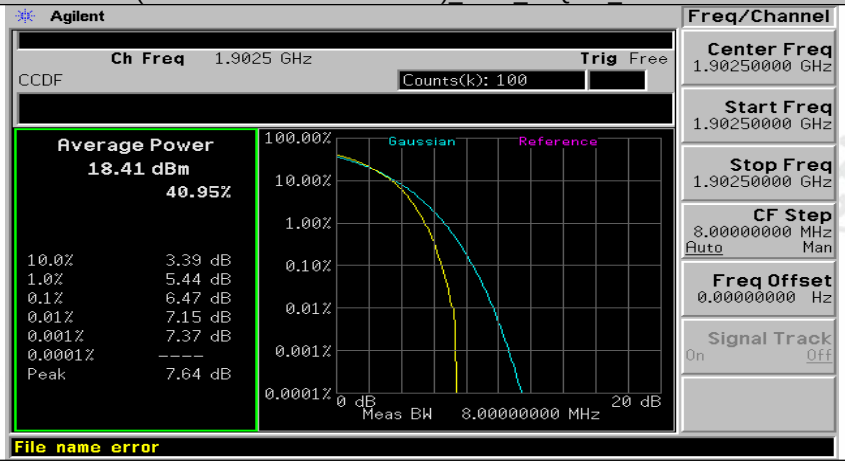


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

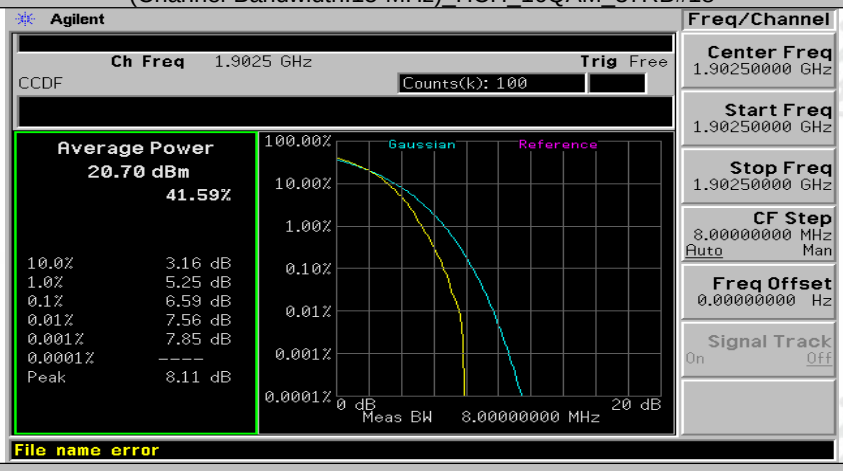


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

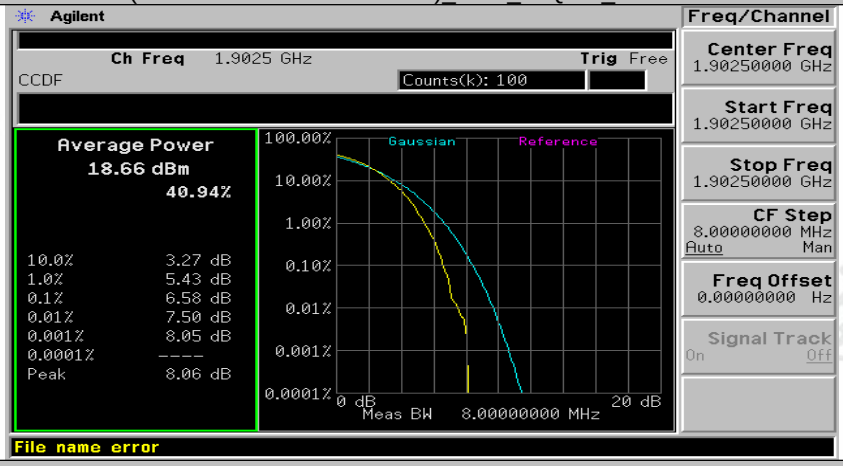
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



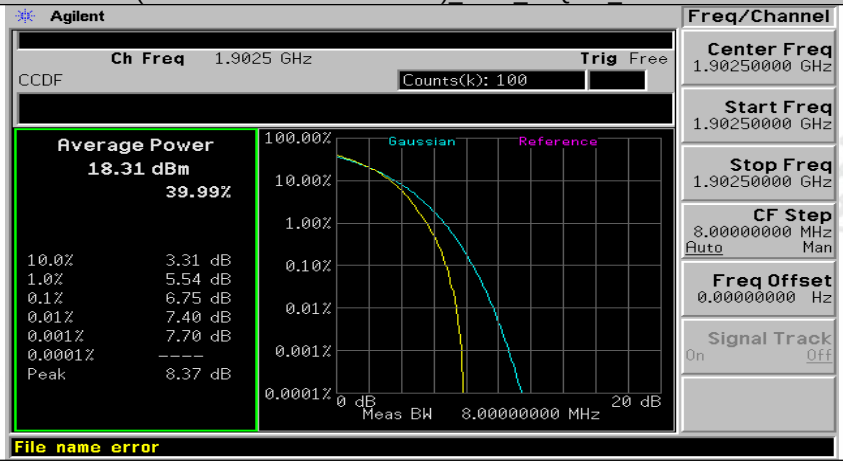
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38



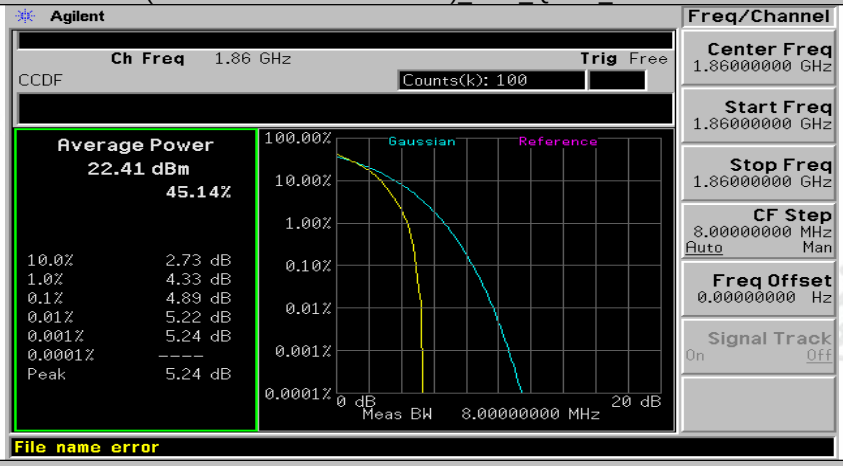
(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0



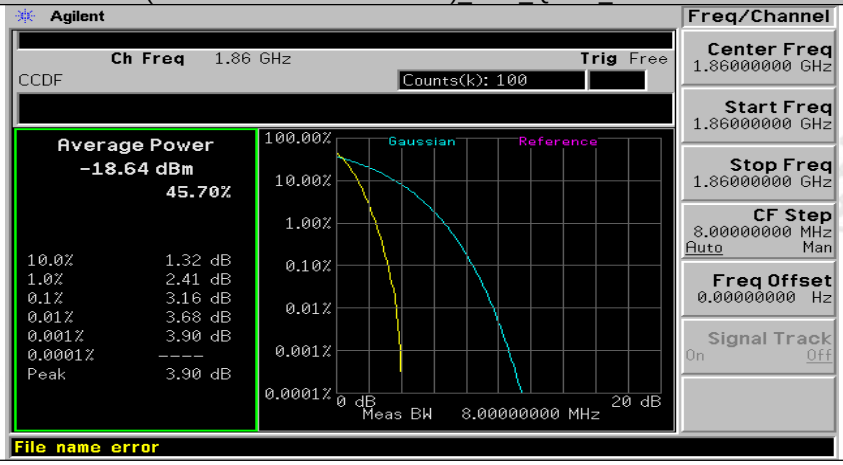
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

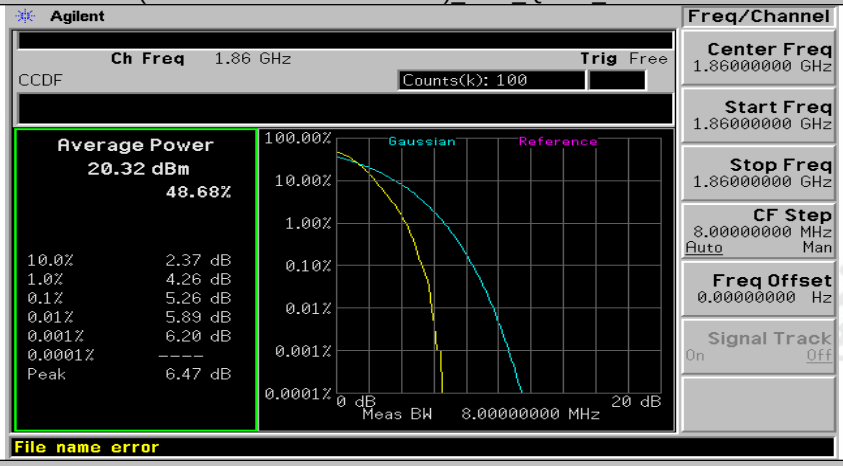


(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99

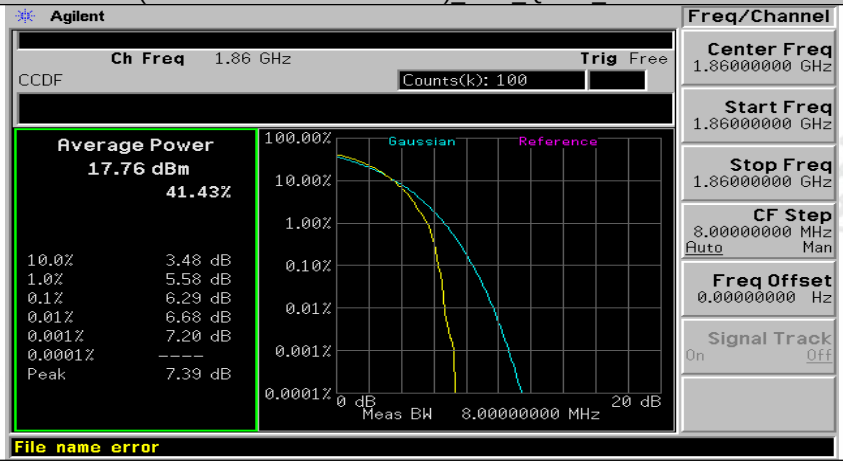


(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0

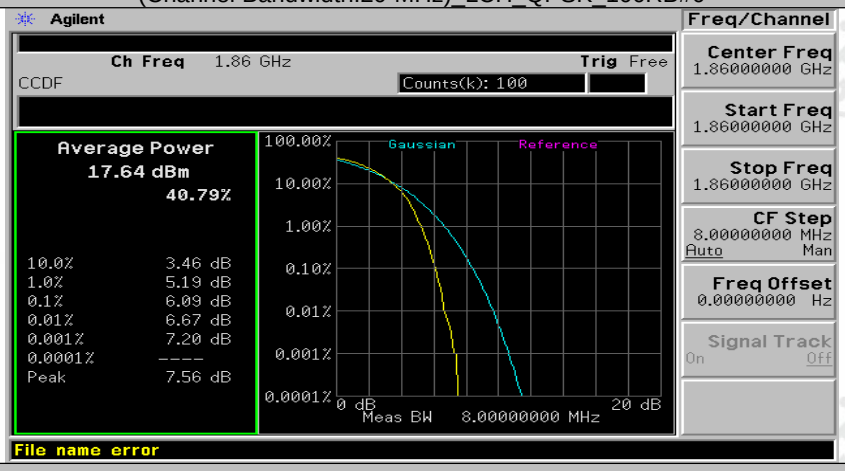
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25



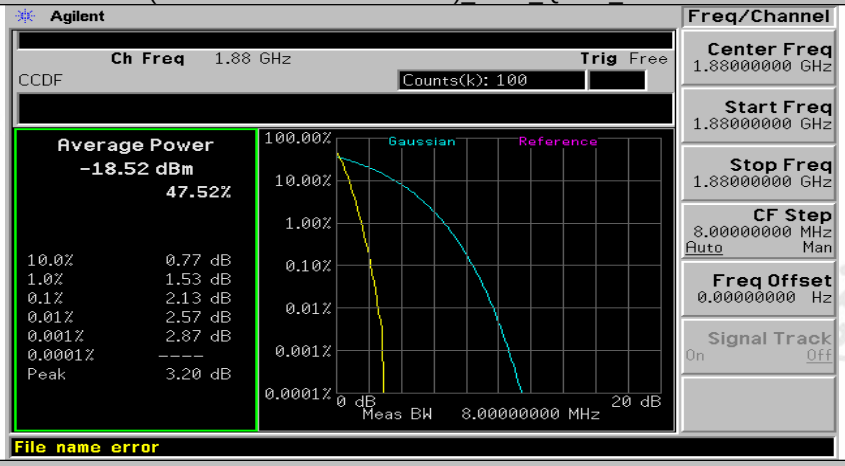
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



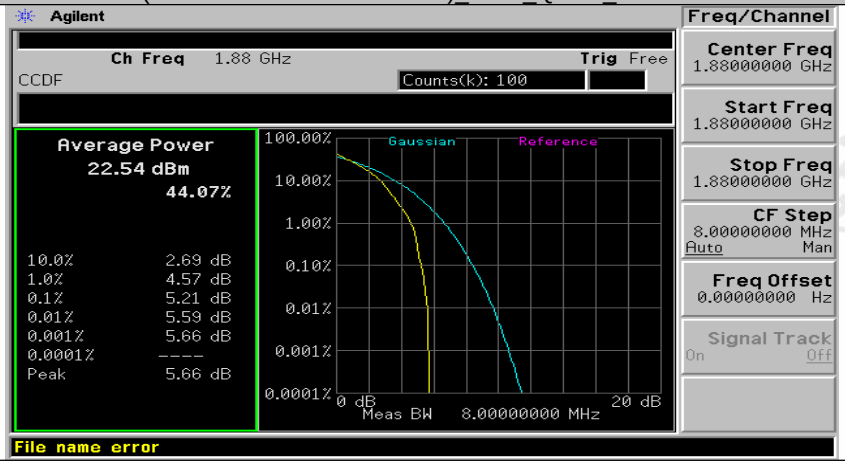
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

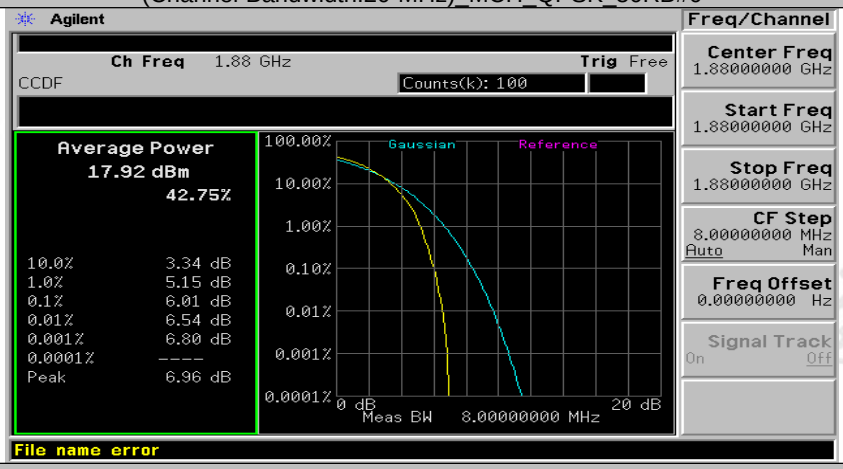


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

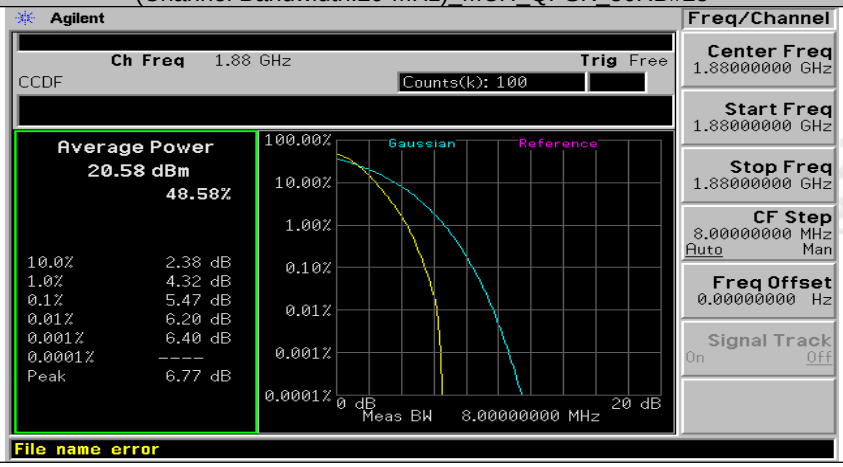


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

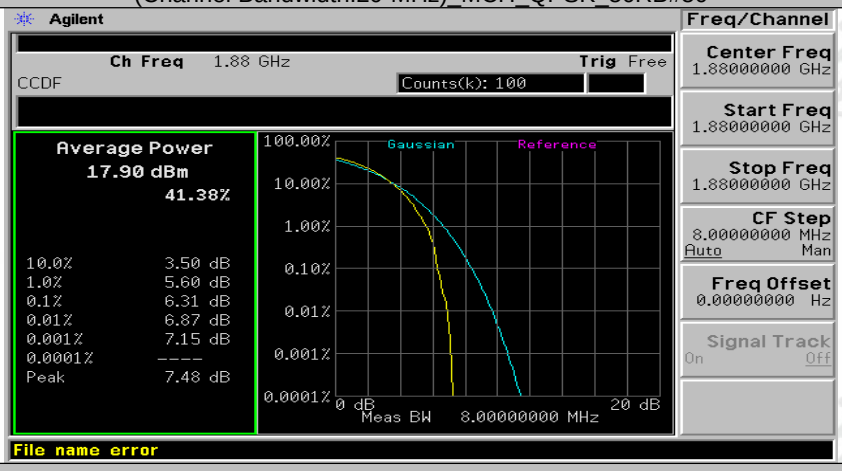
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#0



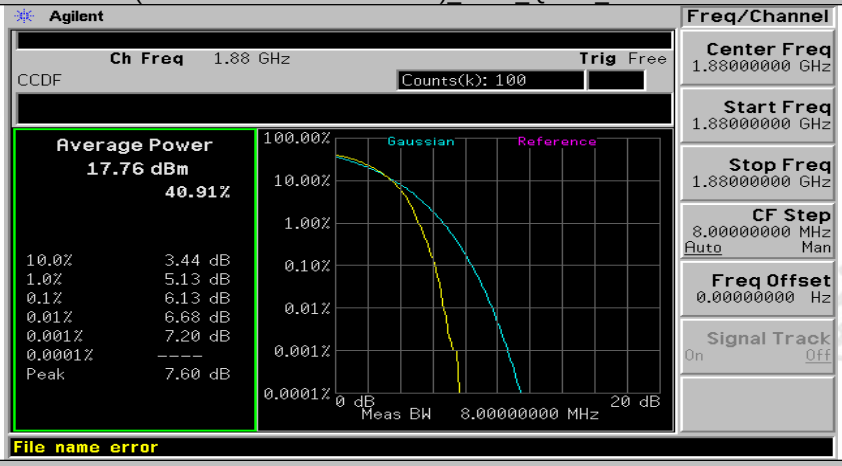
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#25



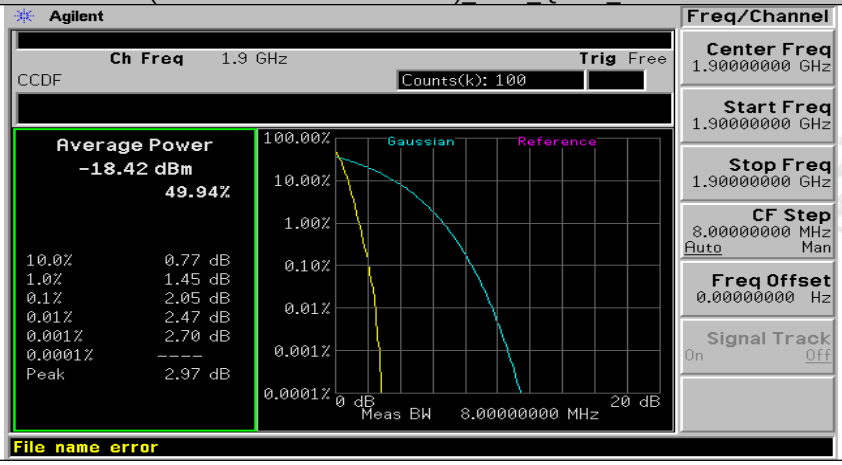
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#50



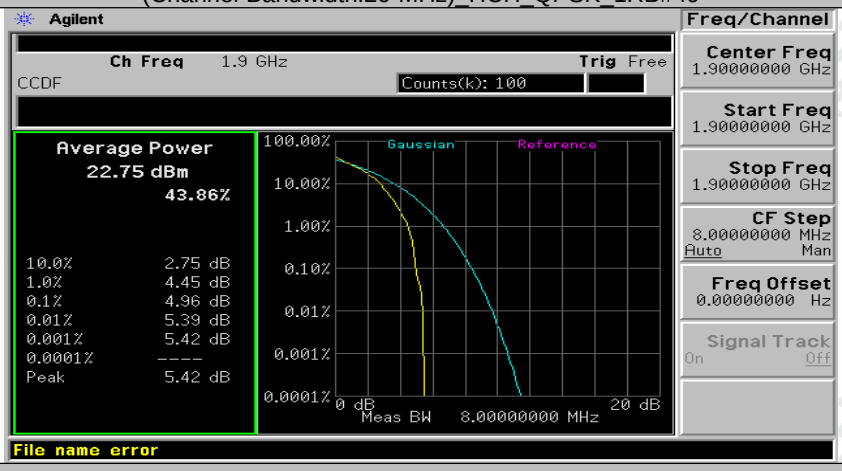
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0



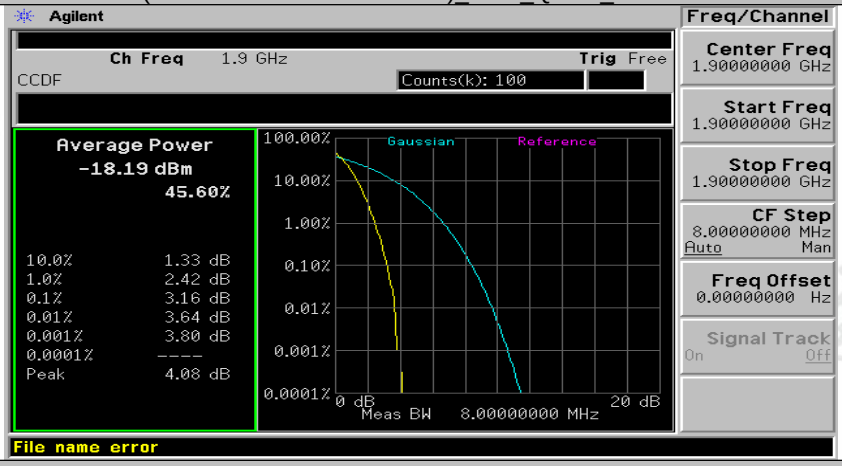
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



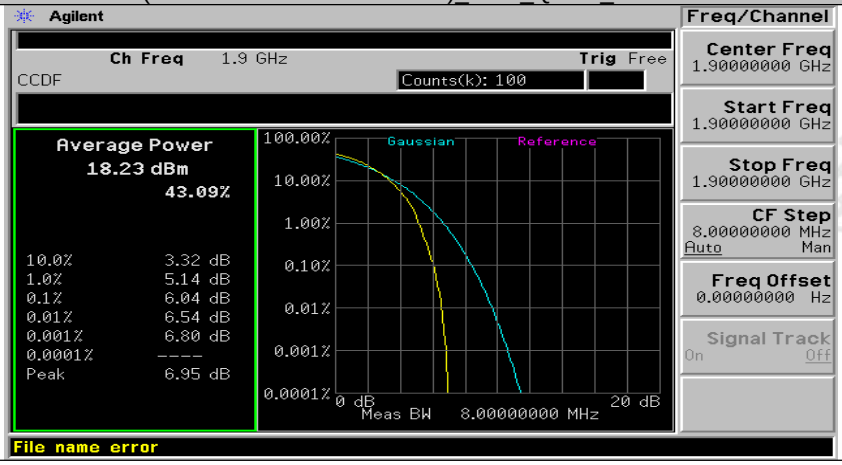
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



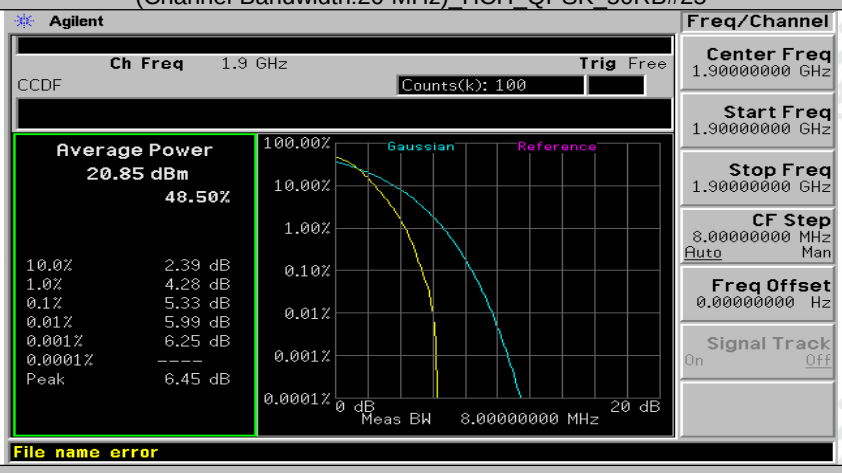
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



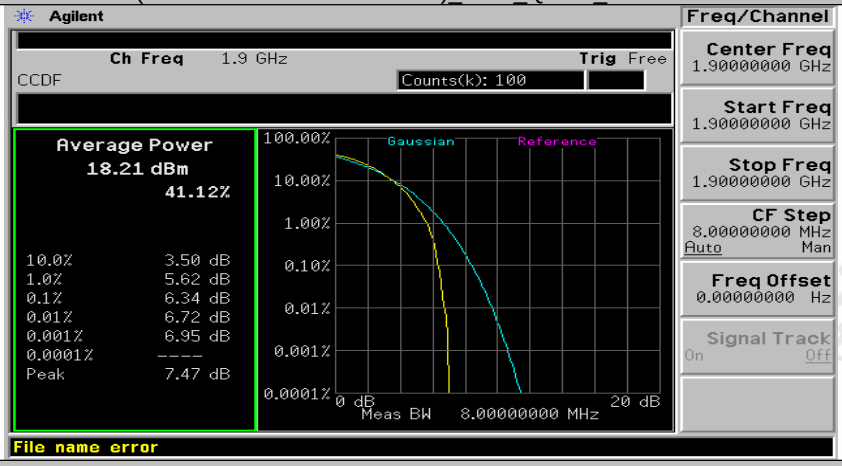
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0



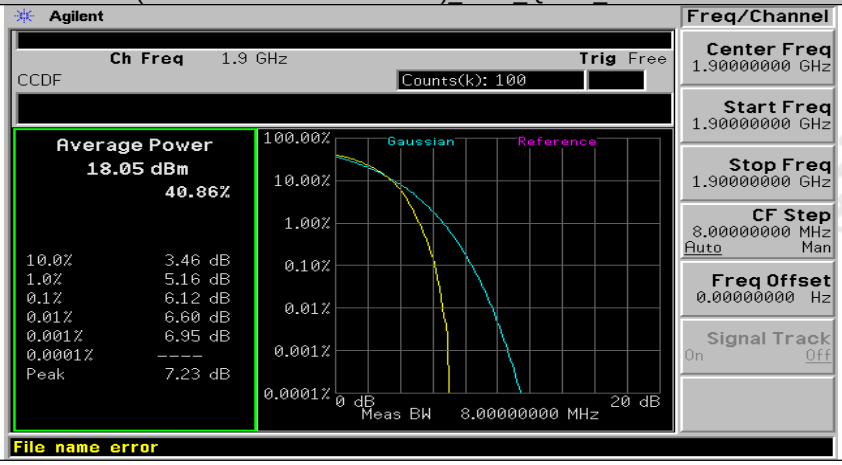
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25



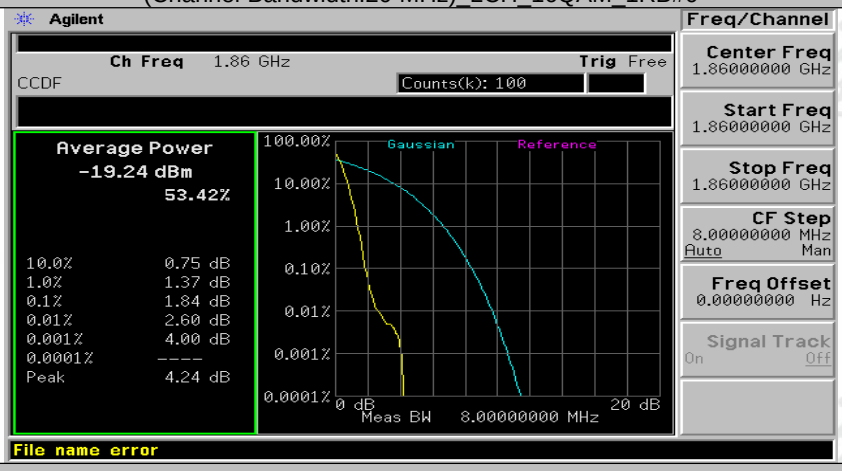
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50



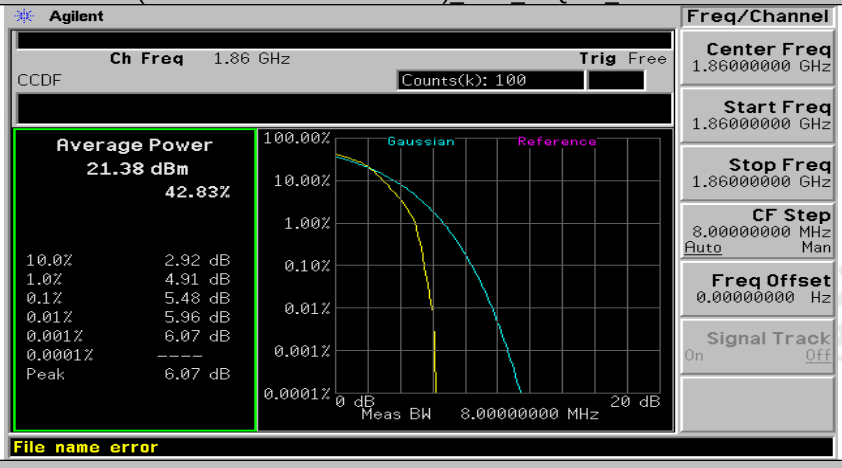
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



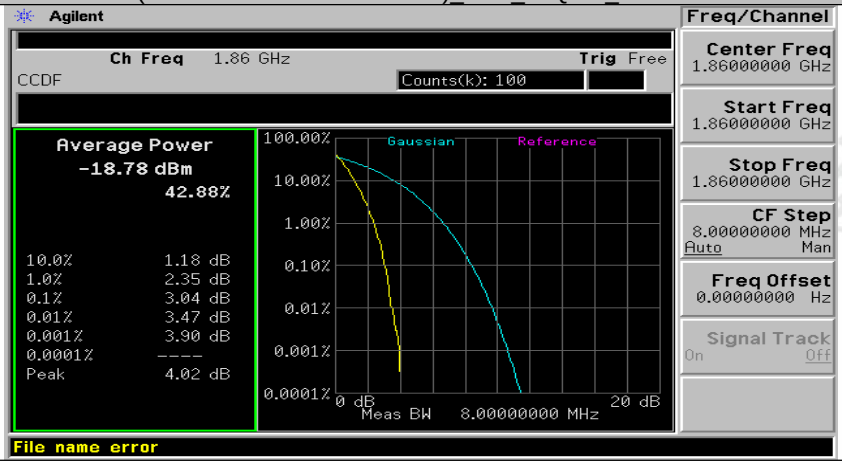
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



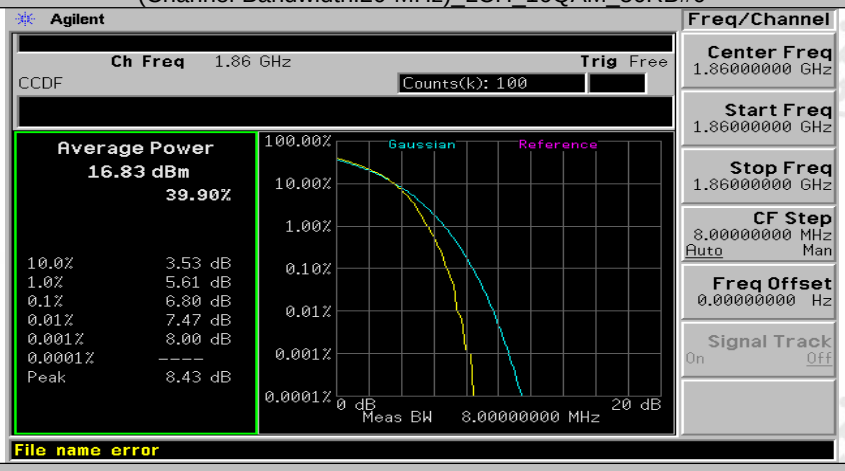
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



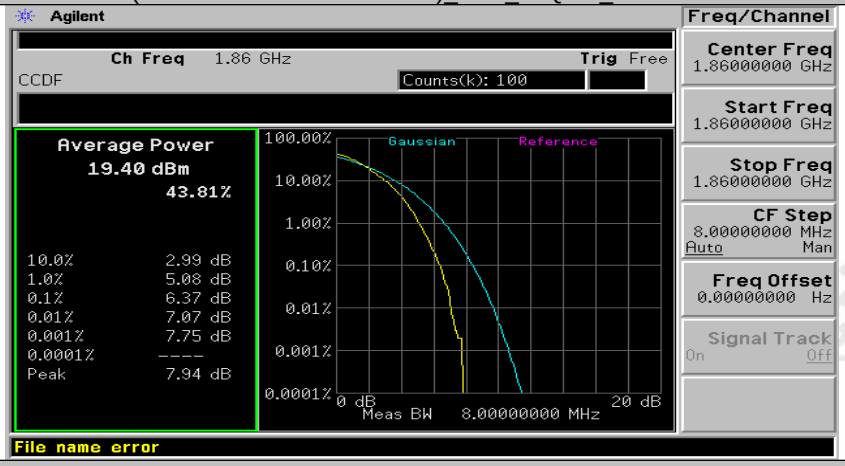
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99



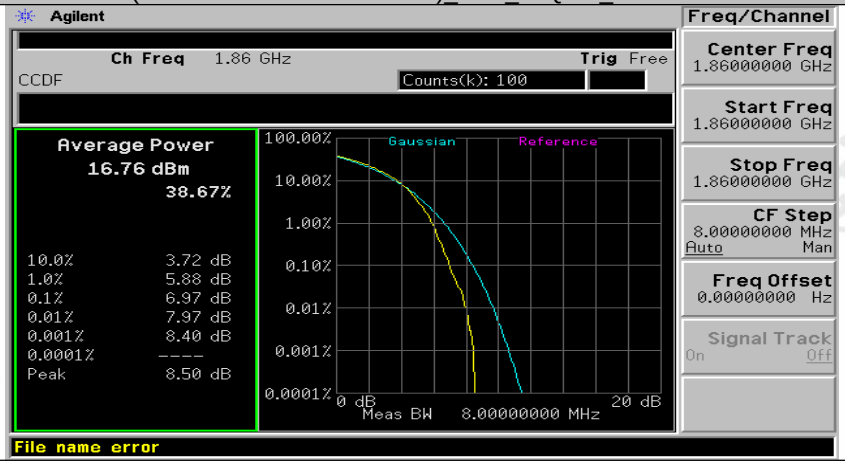
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0



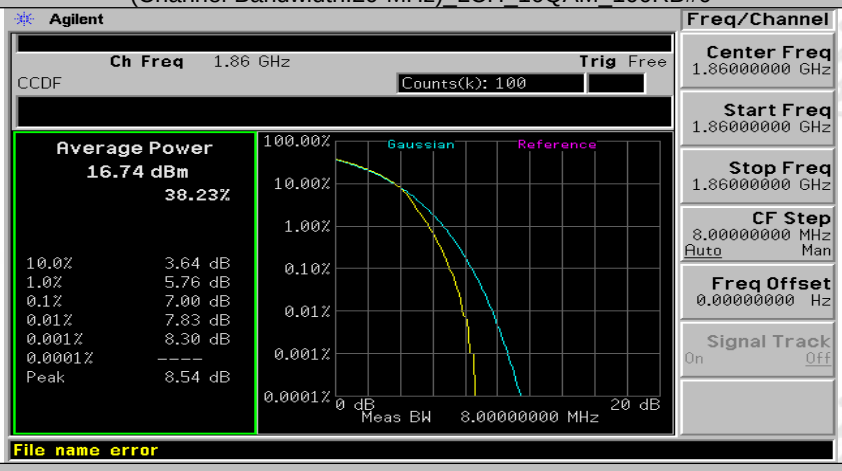
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25



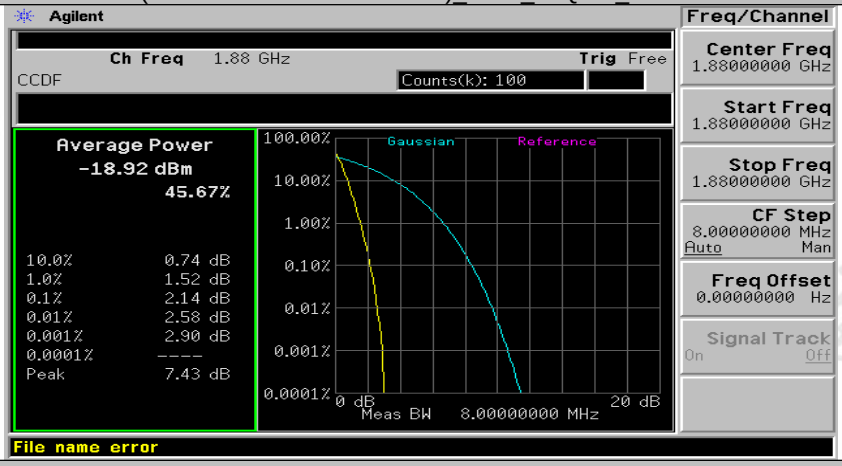
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50



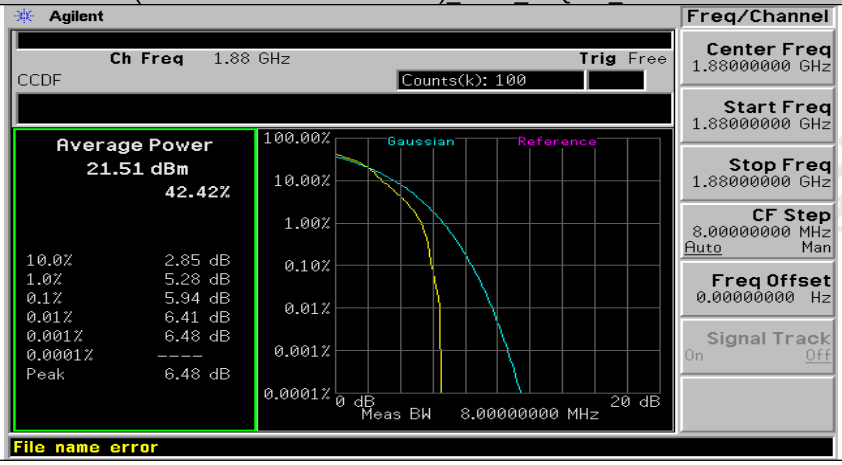
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



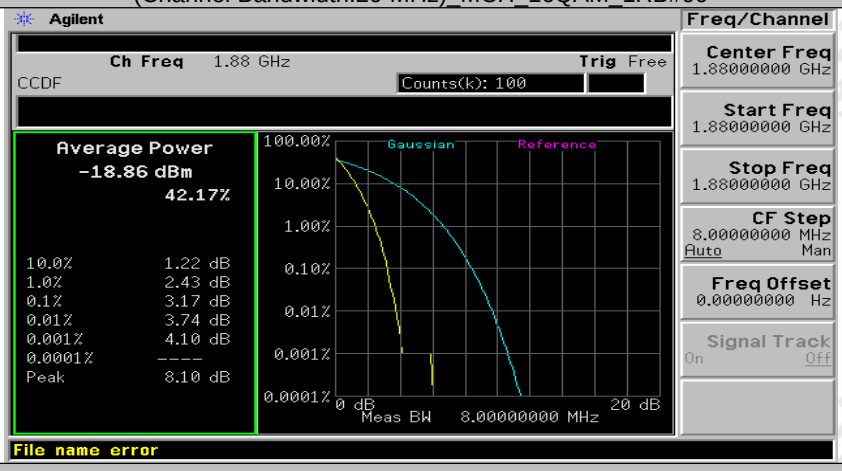
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



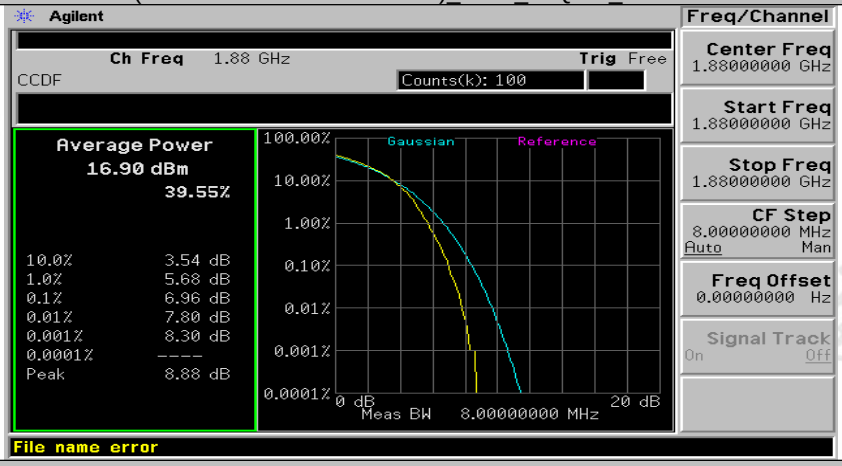
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



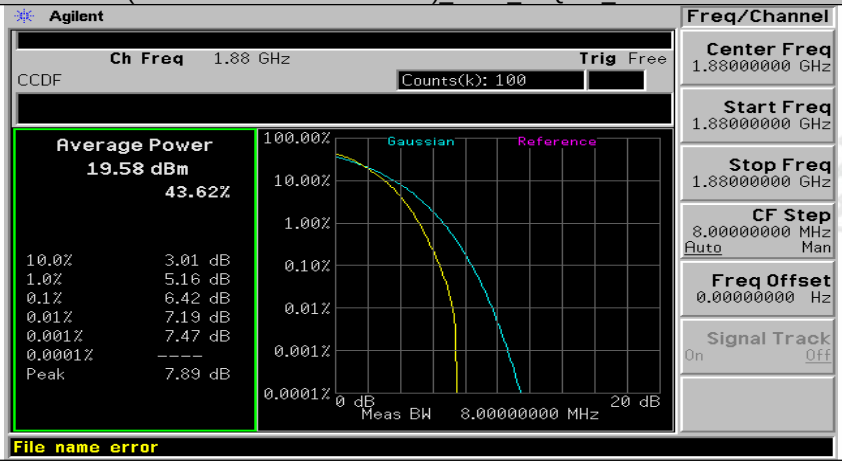
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



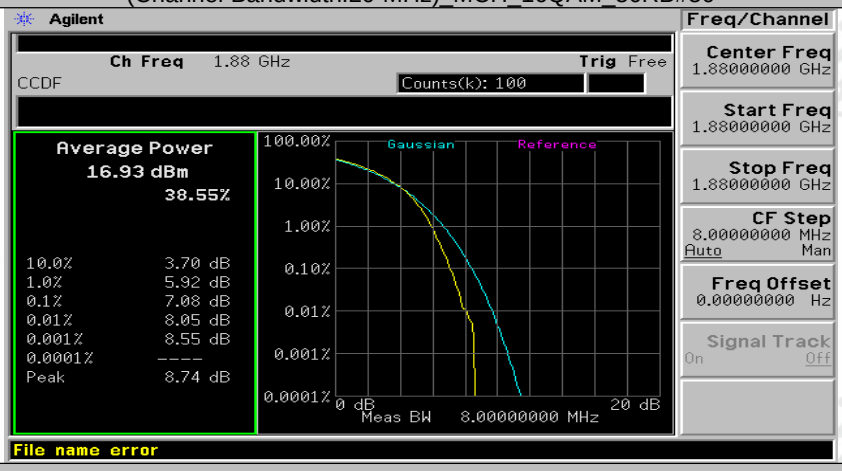
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0



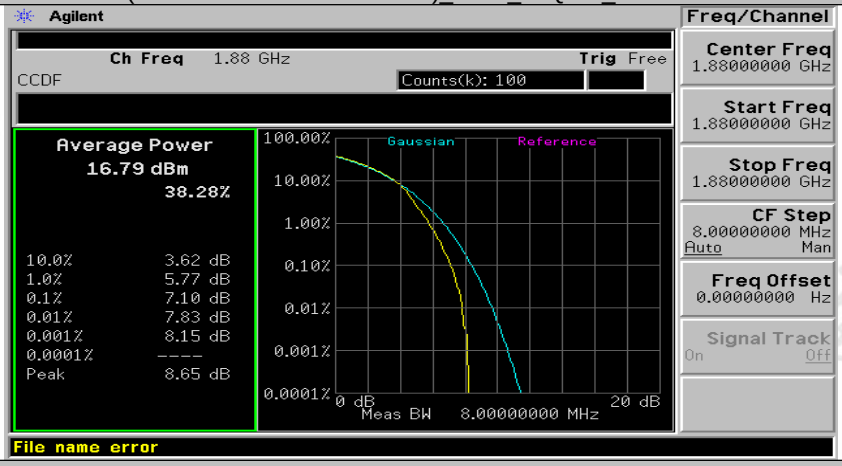
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25



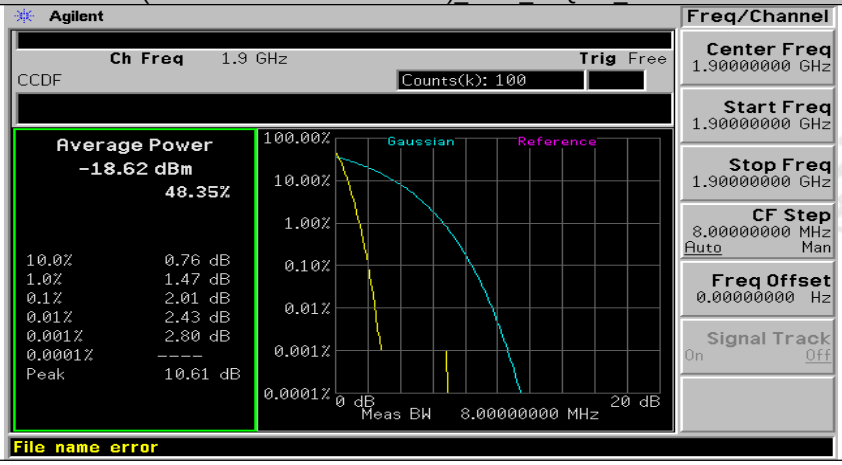
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50



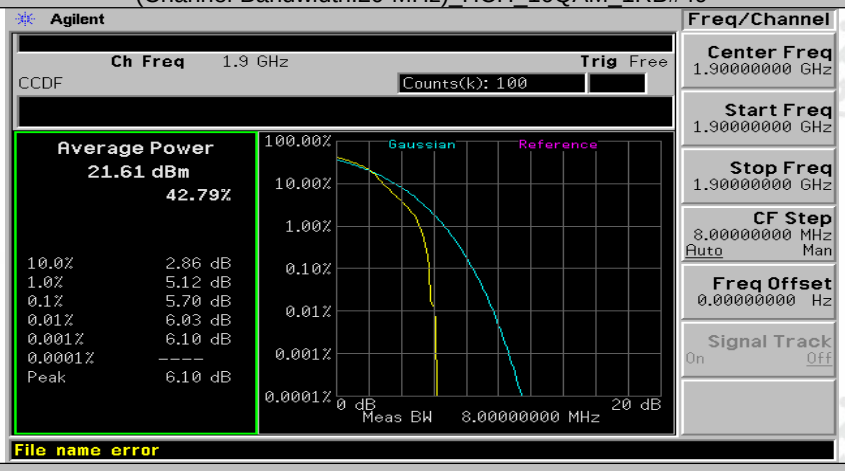
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



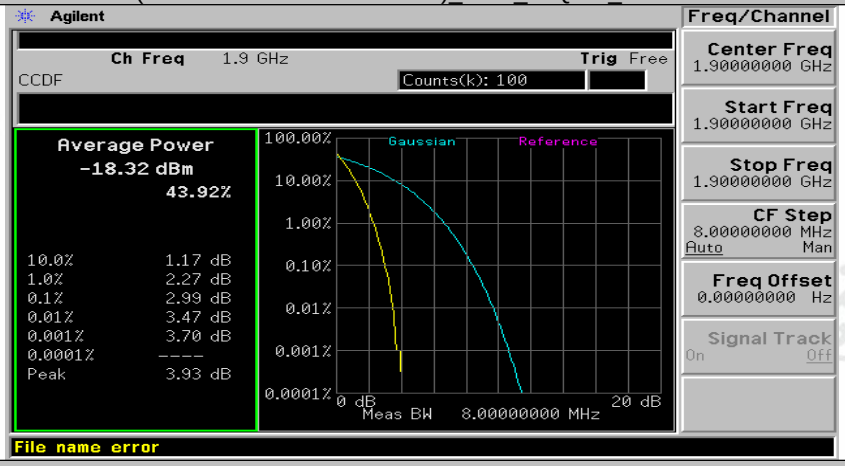
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



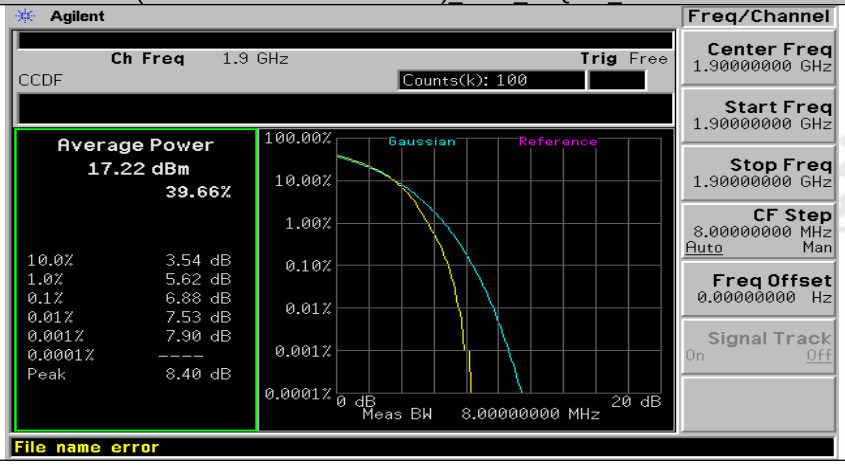
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



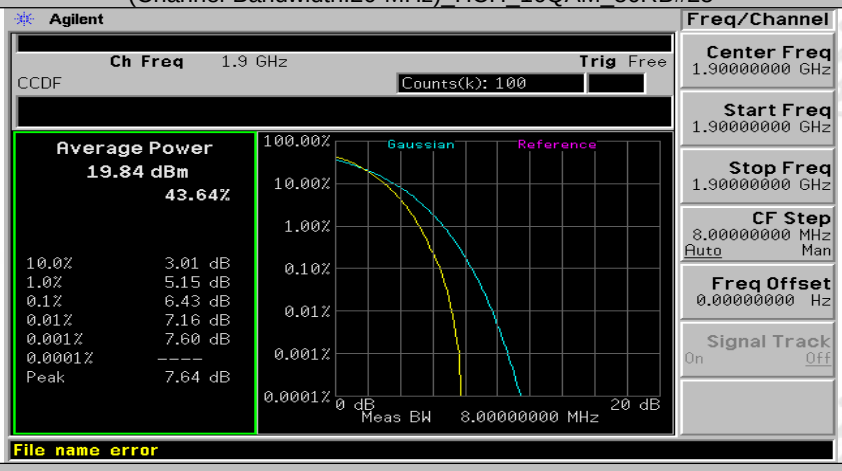
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



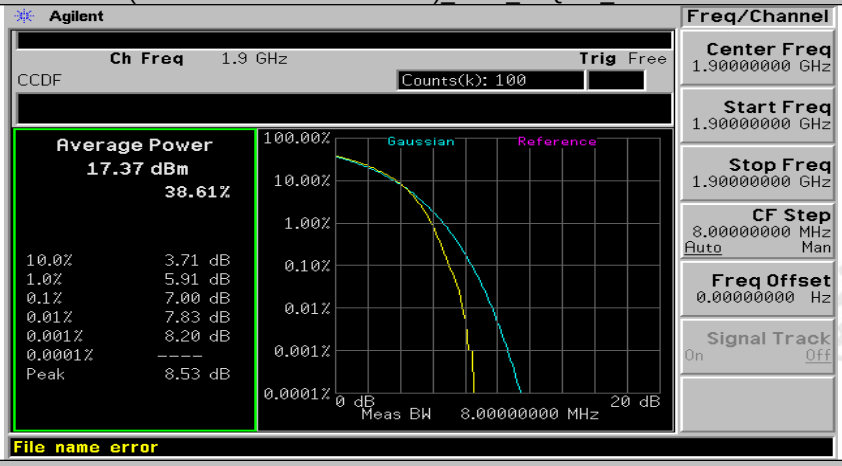
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0



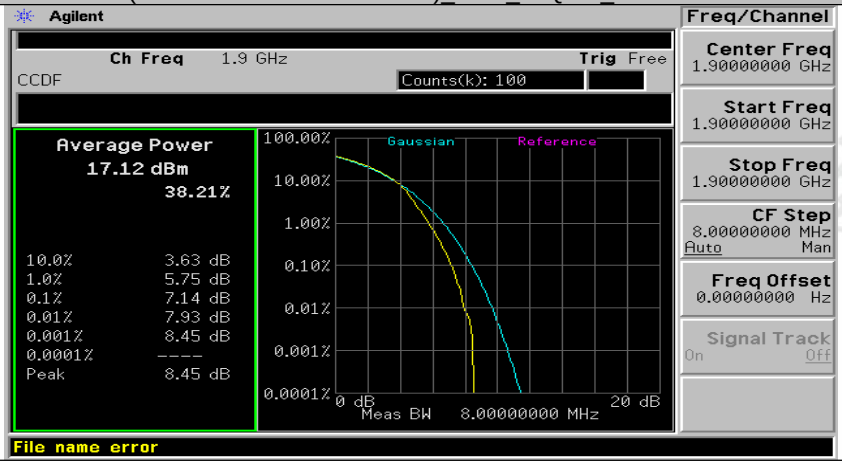
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0788	1.265	PASS
	MCH	6	0	1.0782	1.252	PASS
	HCH	6	0	1.0808	1.268	PASS
16QAM	LCH	6	0	1.0786	1.254	PASS
	MCH	6	0	1.0787	1.275	PASS
	HCH	6	0	1.0849	1.264	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6763	2.972	PASS
	MCH	15	0	2.6794	2.991	PASS
	HCH	15	0	2.6768	2.981	PASS
16QAM	LCH	15	0	2.6778	2.981	PASS
	MCH	15	0	2.6813	2.982	PASS
	HCH	15	0	2.6850	2.985	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4813	4.981	PASS
	MCH	25	0	4.4733	4.992	PASS
	HCH	25	0	4.4741	4.966	PASS
16QAM	LCH	25	0	4.4758	4.998	PASS
	MCH	25	0	4.4698	5.008	PASS
	HCH	25	0	4.4734	4.964	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9093	9.664	PASS
	MCH	50	0	8.9182	9.747	PASS
	HCH	50	0	8.9201	9.778	PASS
16QAM	LCH	50	0	8.9107	9.752	PASS
	MCH	50	0	8.9113	9.750	PASS
	HCH	50	0	8.9337	9.833	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.3631	14.521	PASS
	MCH	75	0	13.3860	14.706	PASS
	HCH	75	0	13.3680	14.528	PASS
16QAM	LCH	75	0	13.3488	14.464	PASS
	MCH	75	0	13.4002	14.593	PASS
	HCH	75	0	13.3905	14.588	PASS

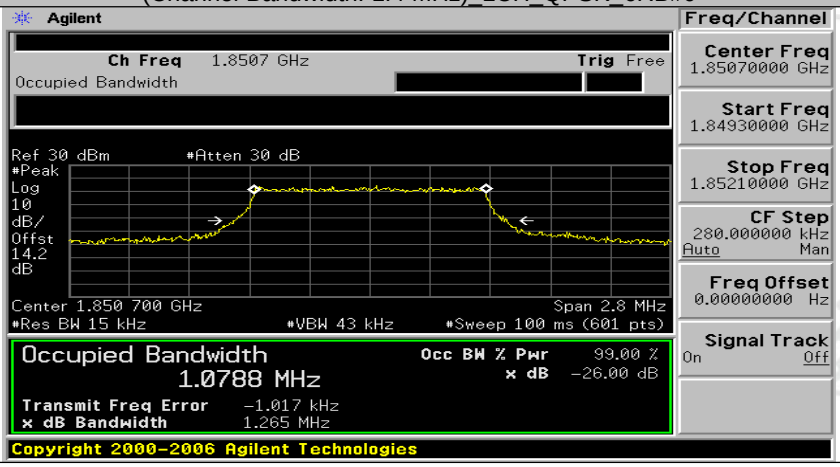
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.7982	19.208	PASS
	MCH	100	0	17.8380	19.322	PASS
	HCH	100	0	17.8270	19.225	PASS
16QAM	LCH	100	0	17.7883	19.141	PASS
	MCH	100	0	17.8571	19.296	PASS
	HCH	100	0	17.8017	19.204	PASS

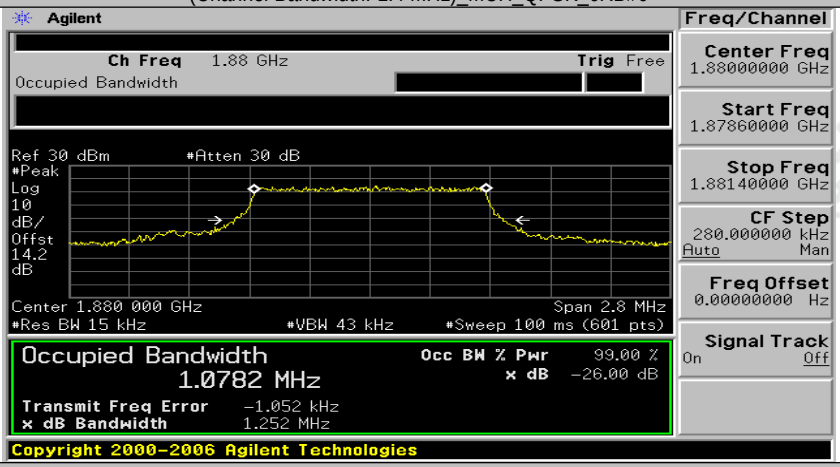
Test Graphs

Channel Bandwidth: 1.4 MHz

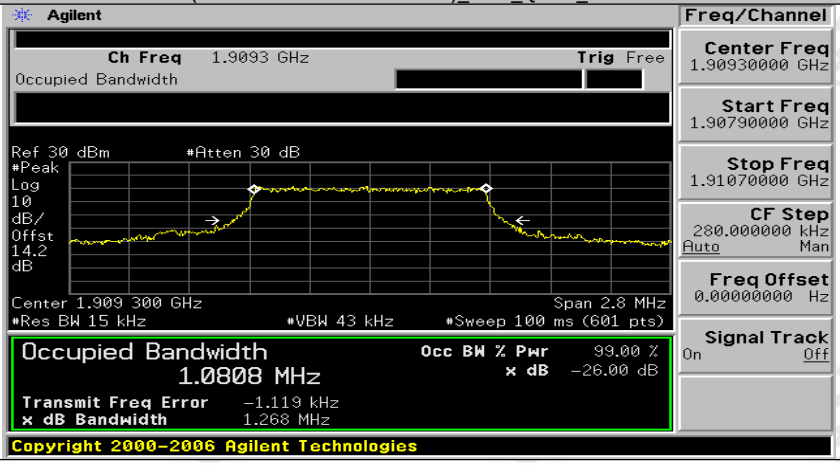
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



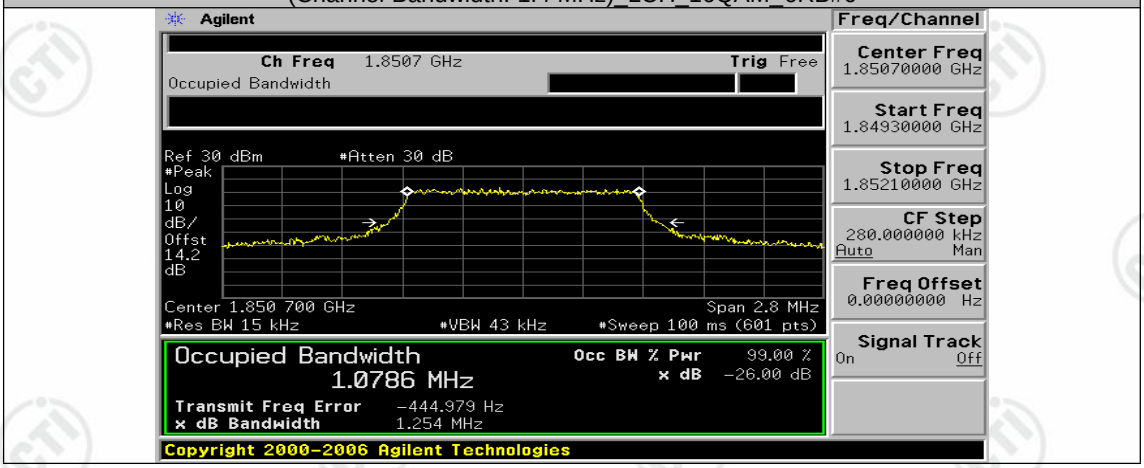
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



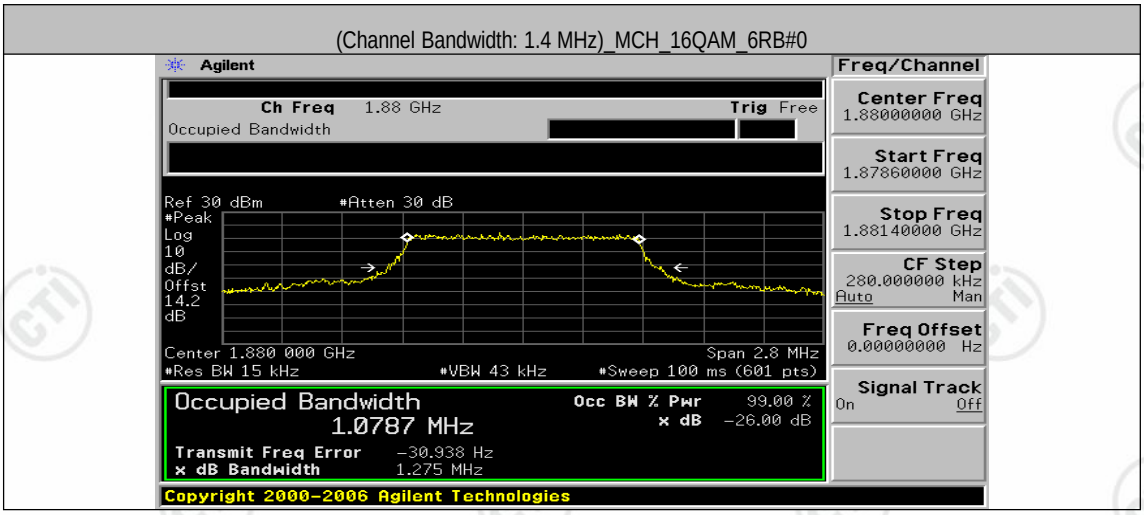
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



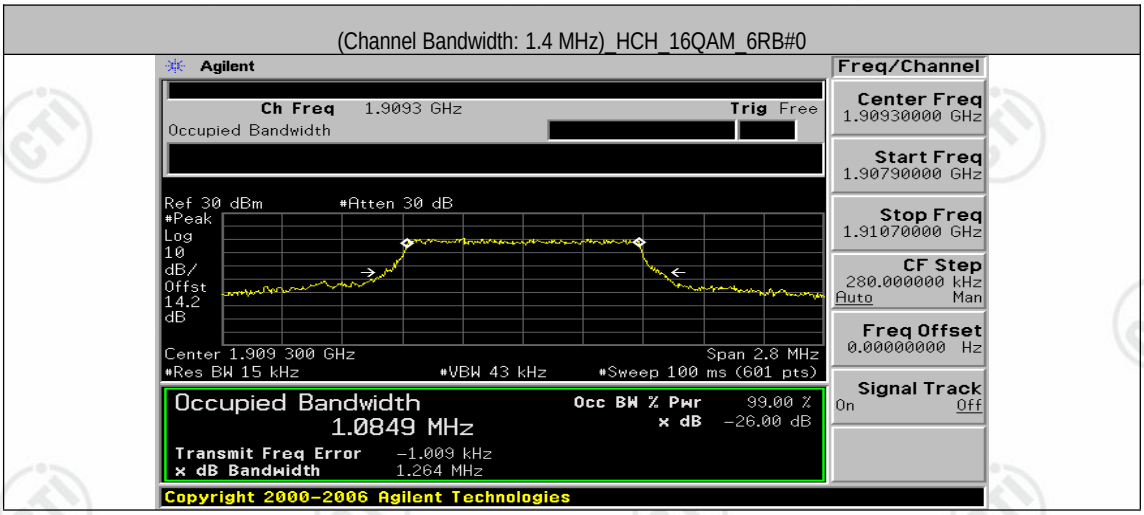
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

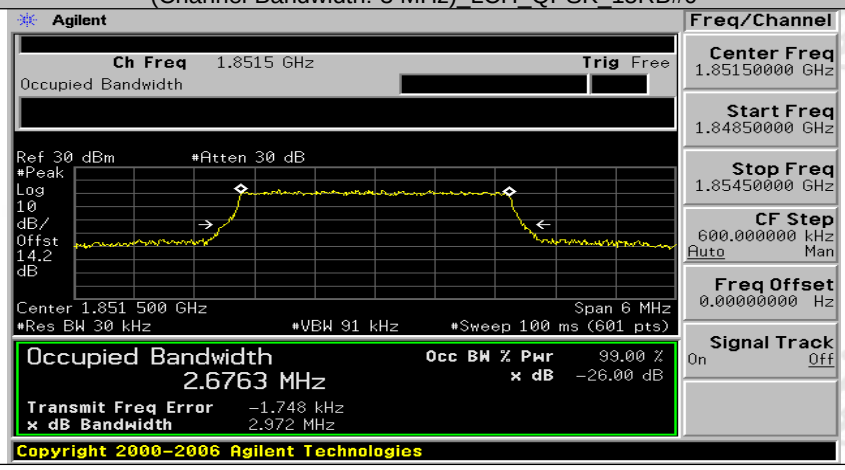


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

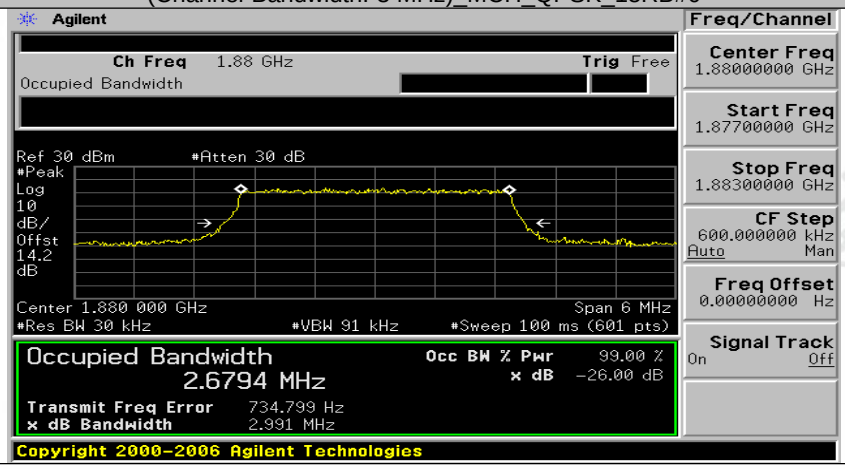


Channel Bandwidth: 3 MHz

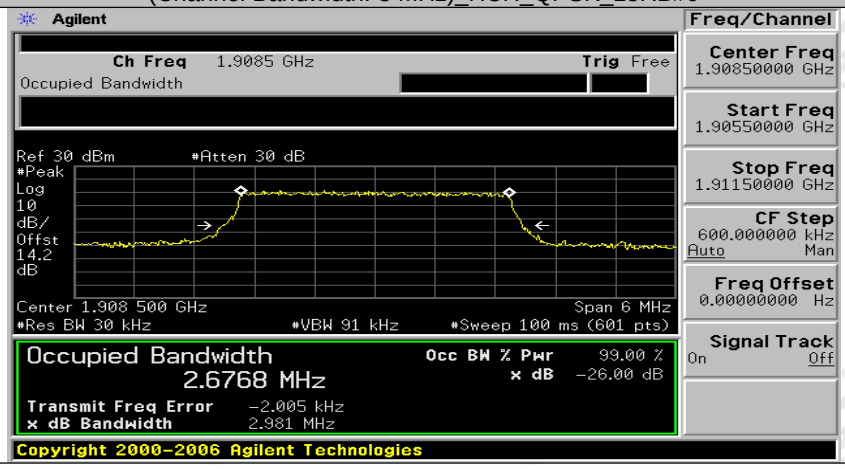
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



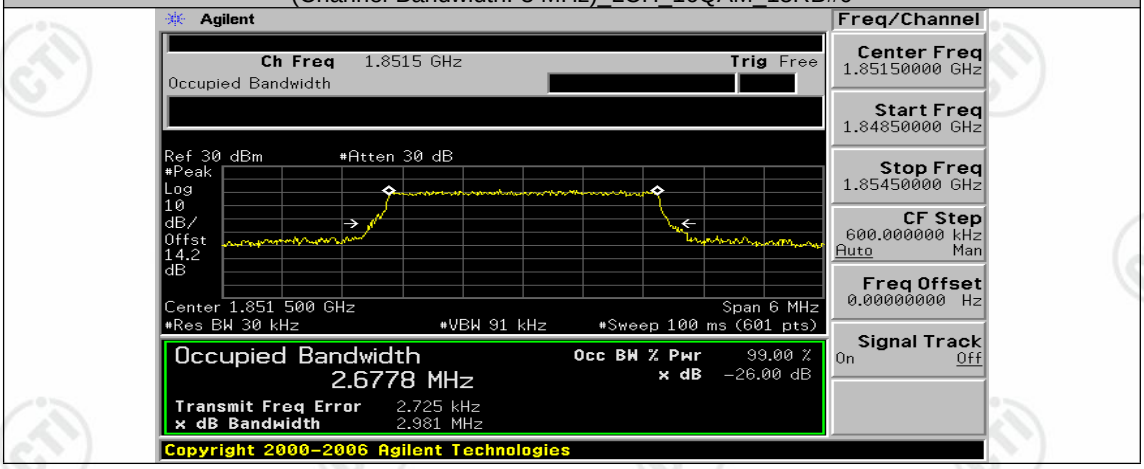
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



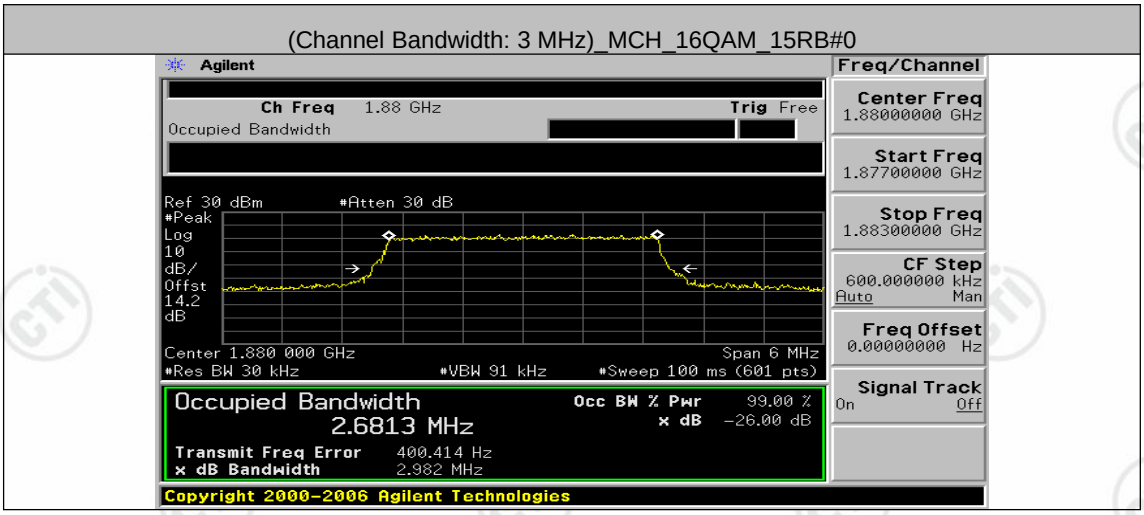
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



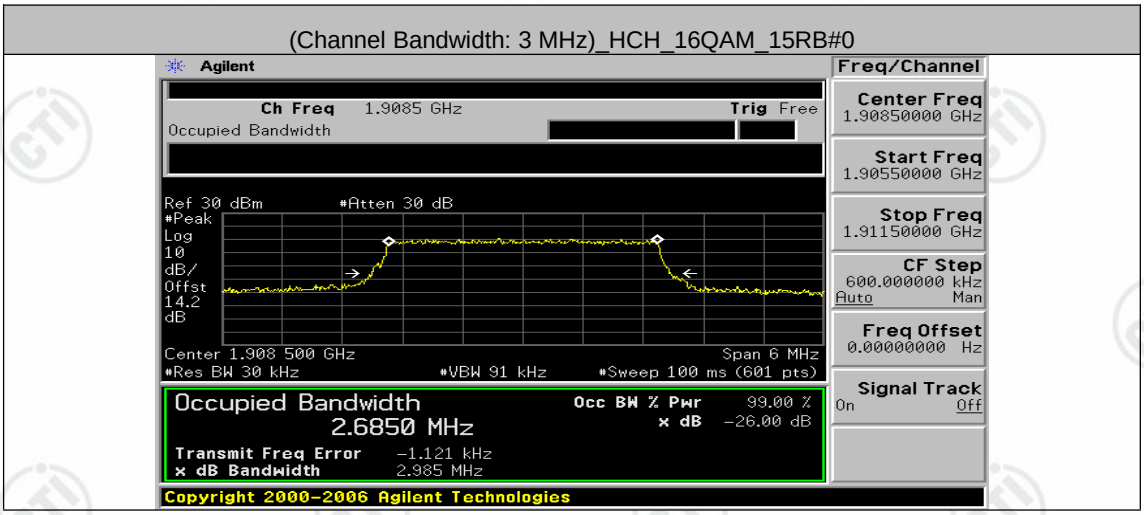
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

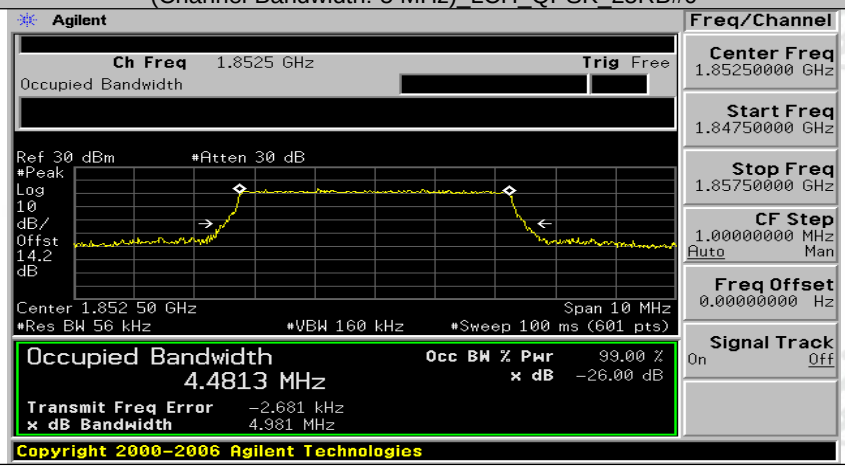


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

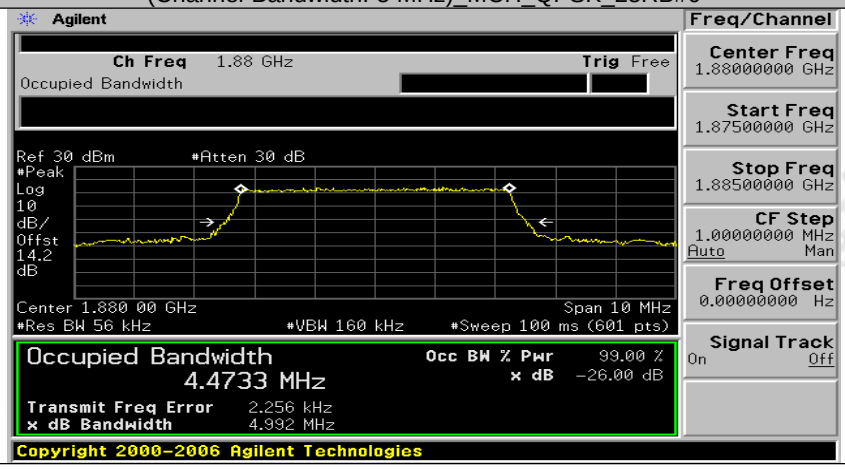


Channel Bandwidth: 5 MHz

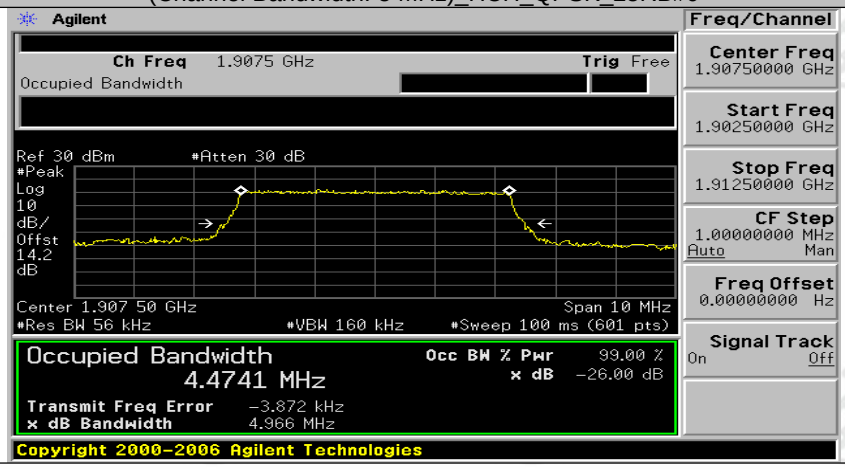
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



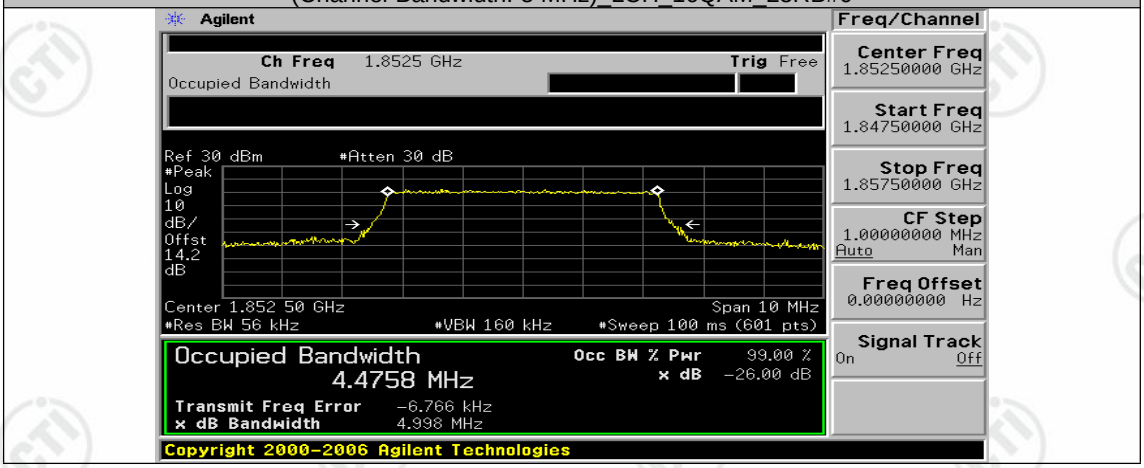
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



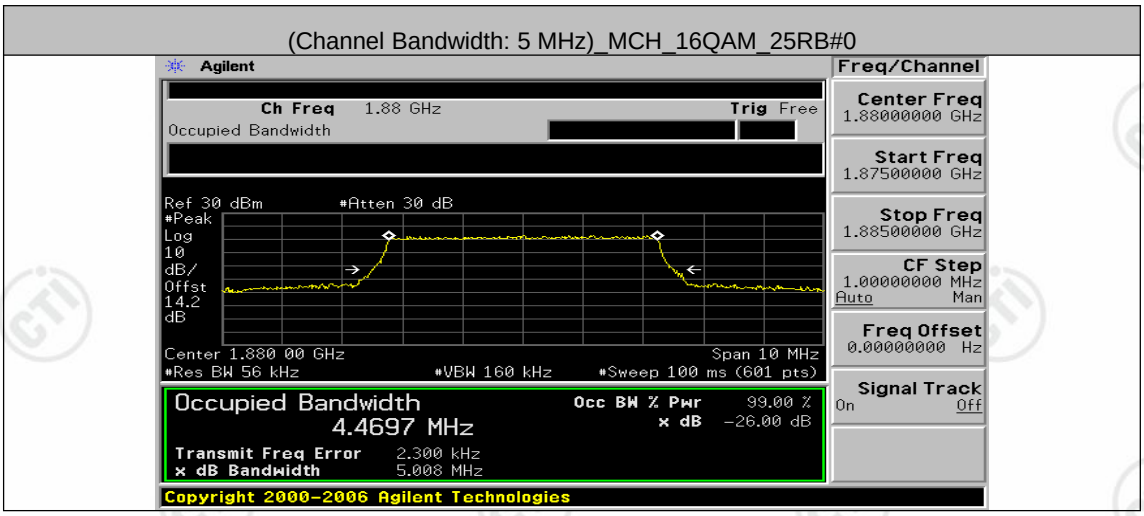
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



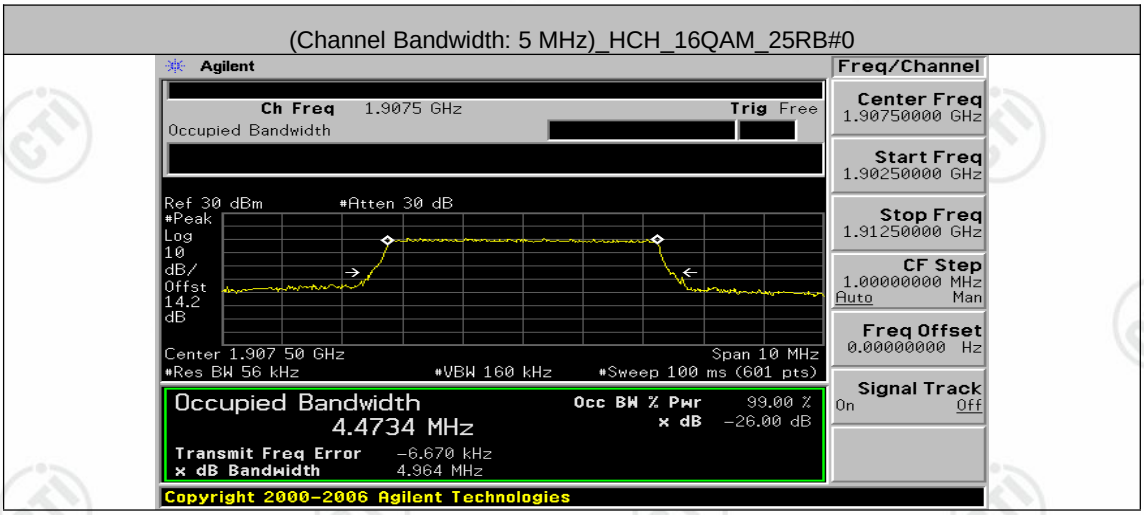
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

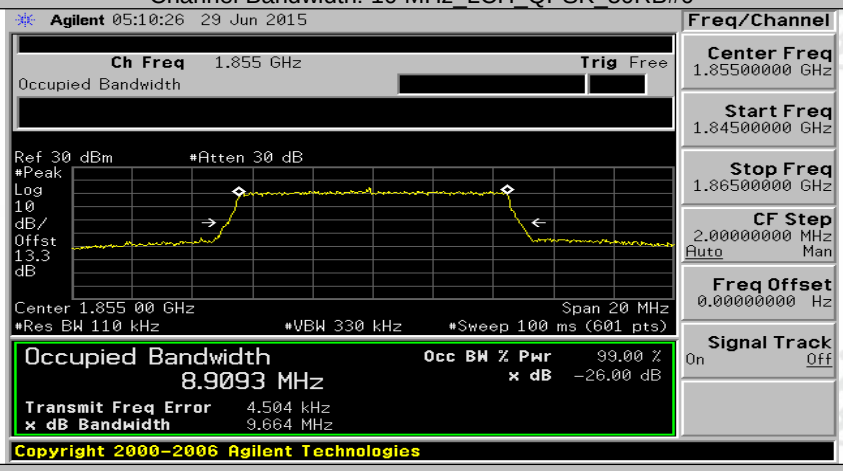


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

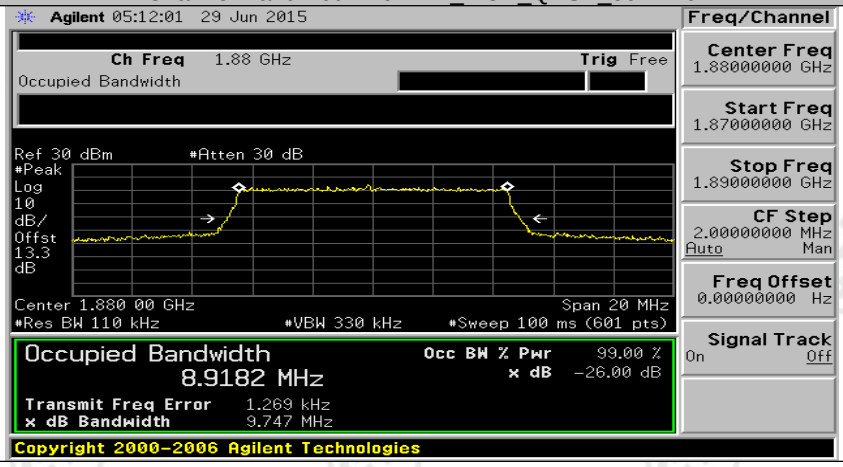


Channel Bandwidth: 10 MHz

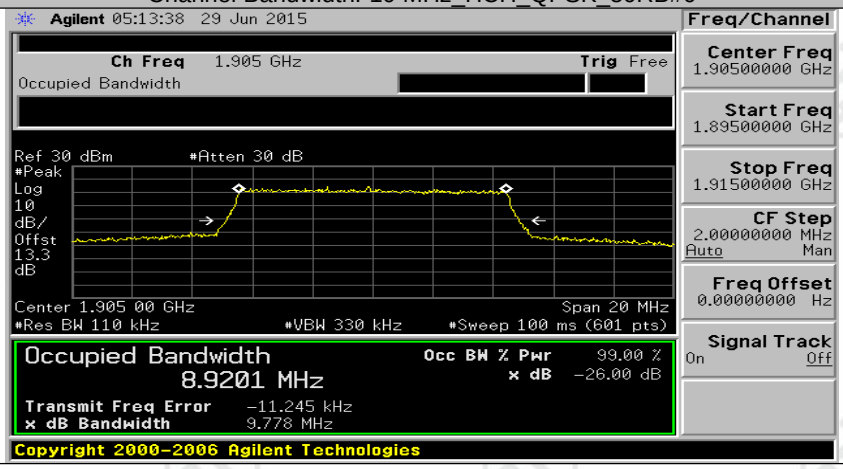
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



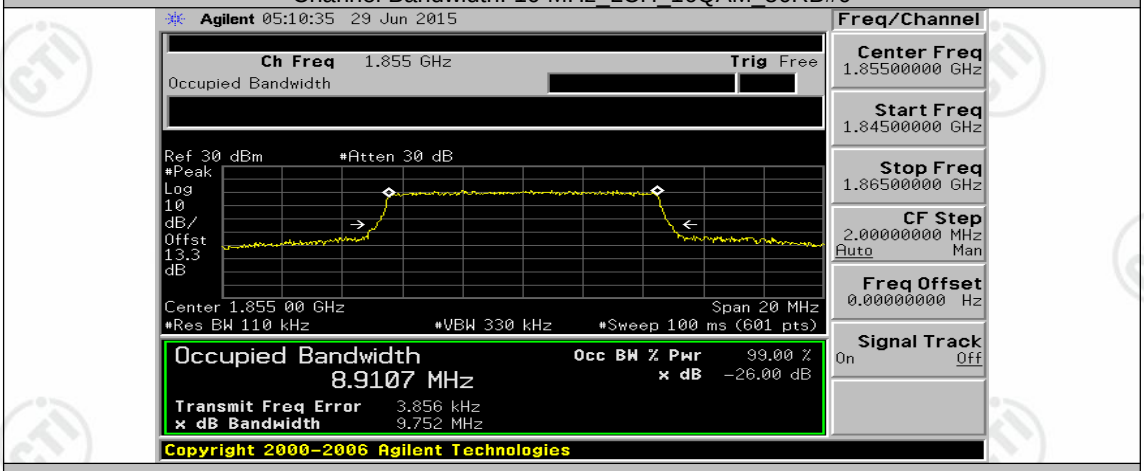
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



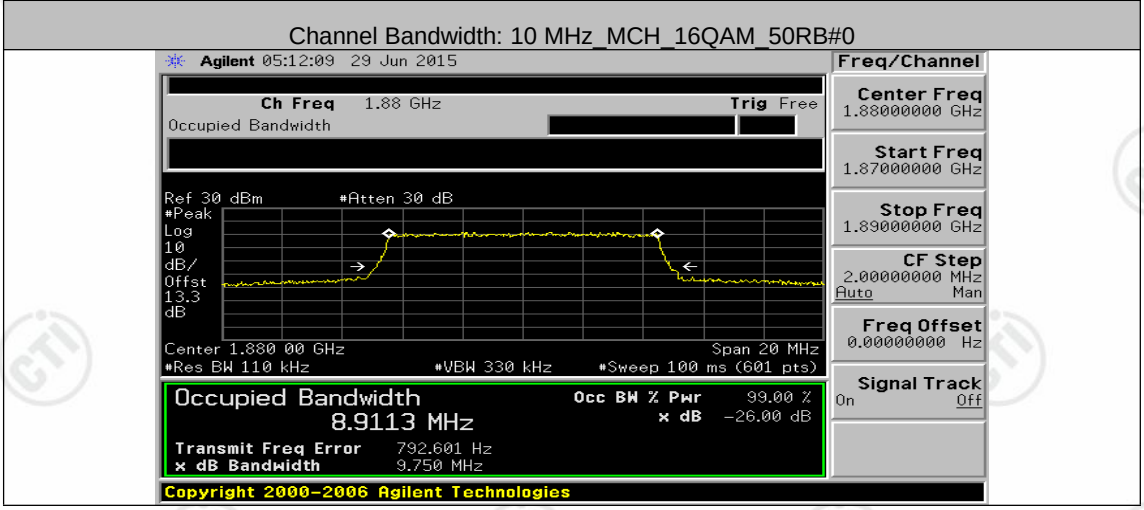
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



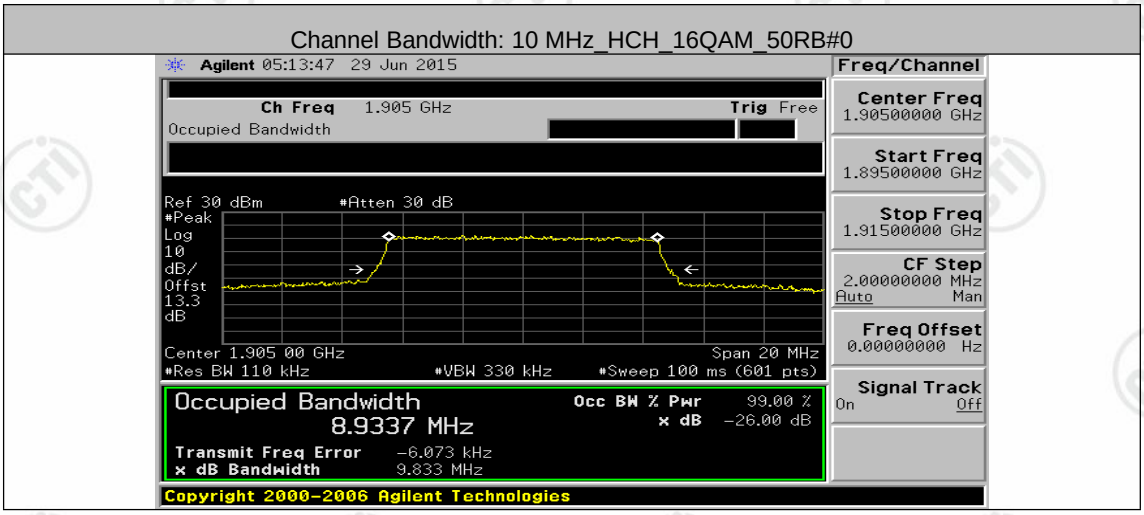
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

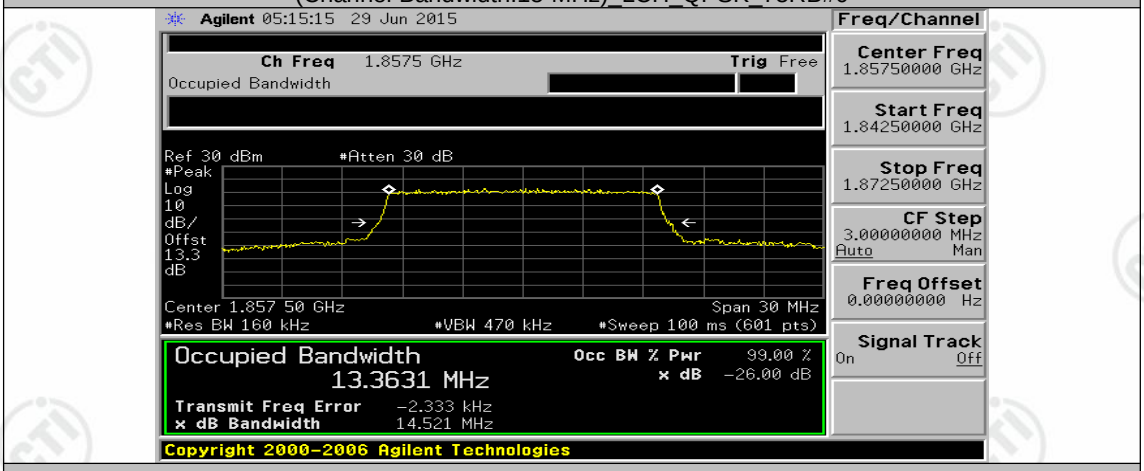


Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

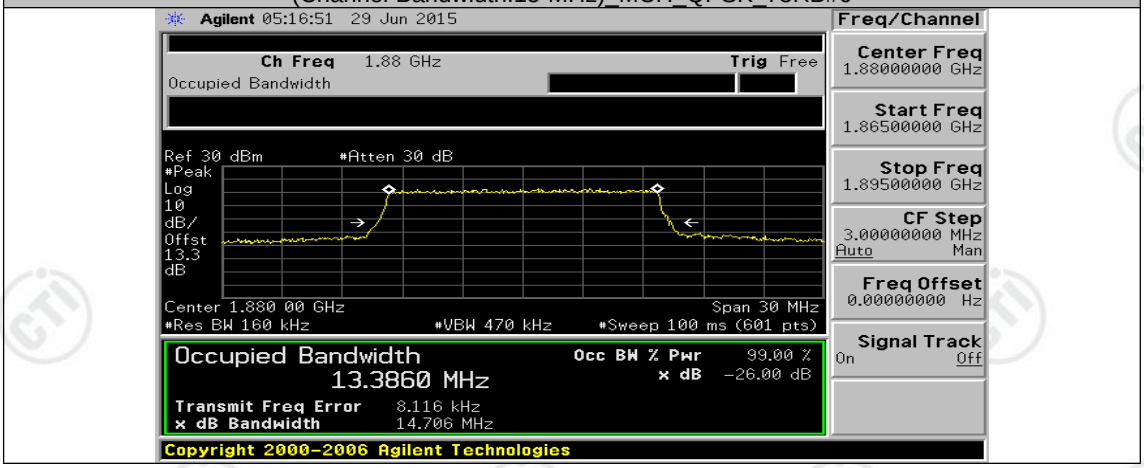


Channel Bandwidth: 15 MHz

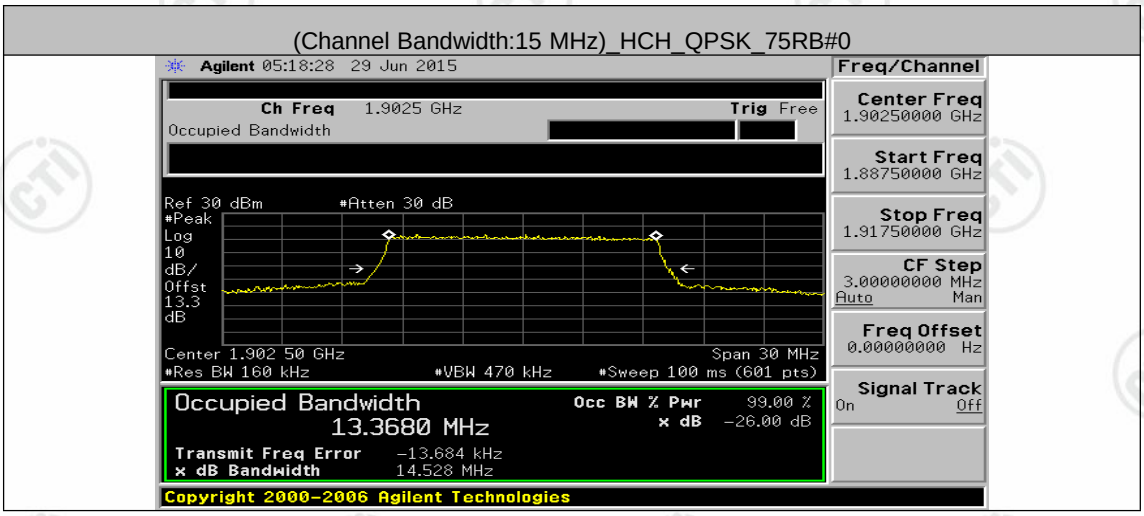
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



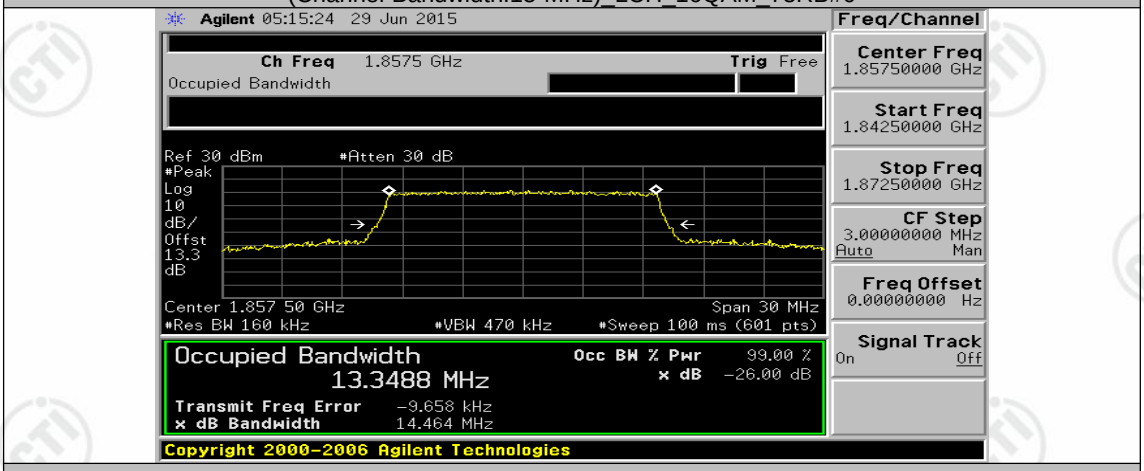
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



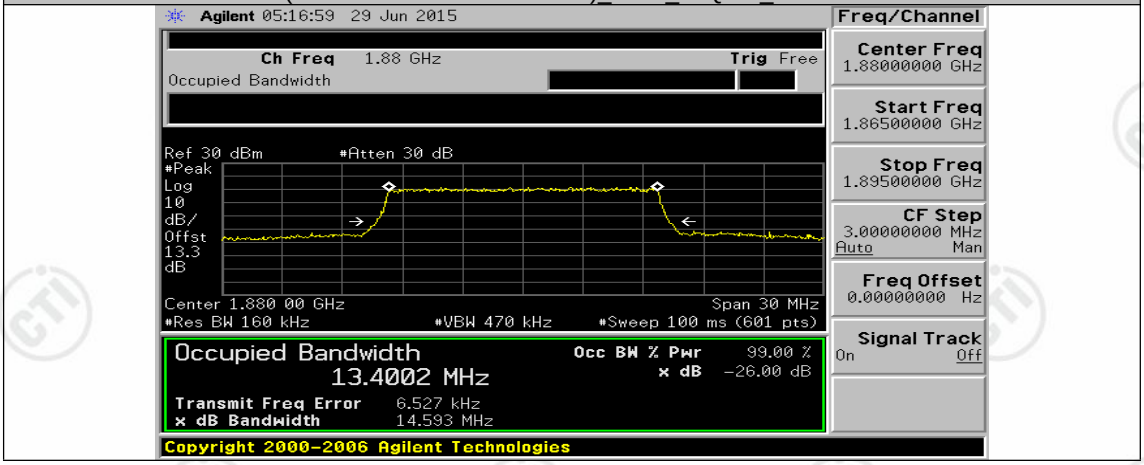
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



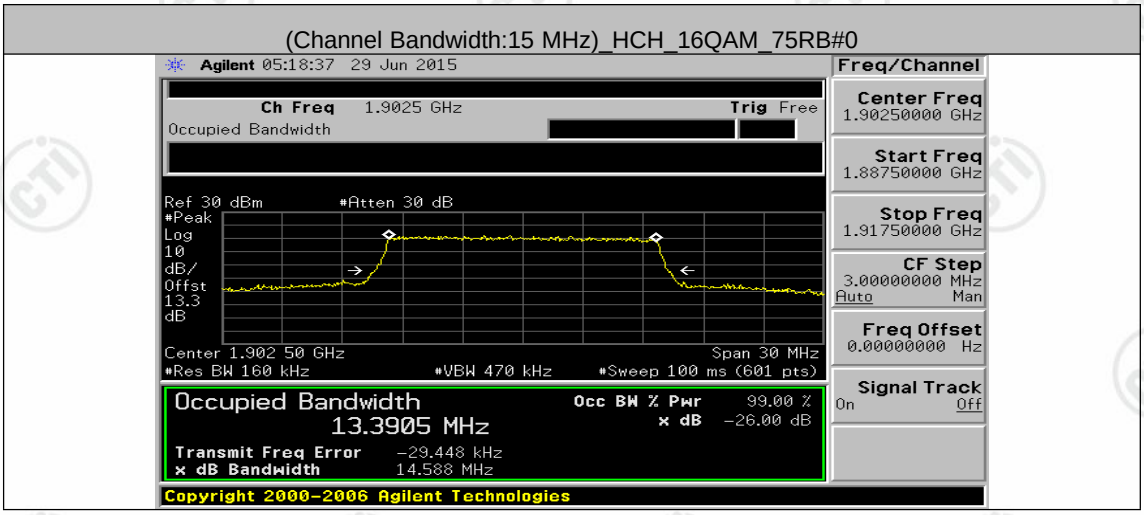
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

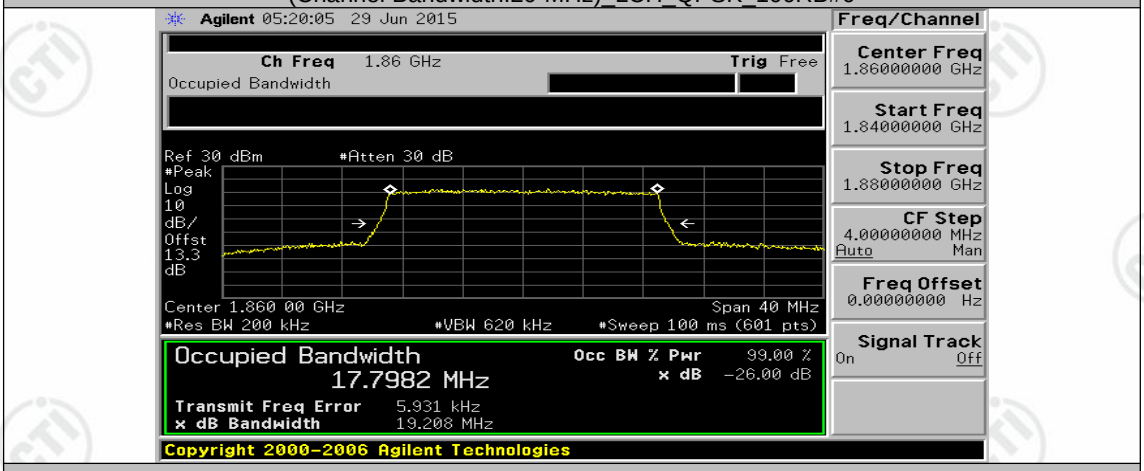


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

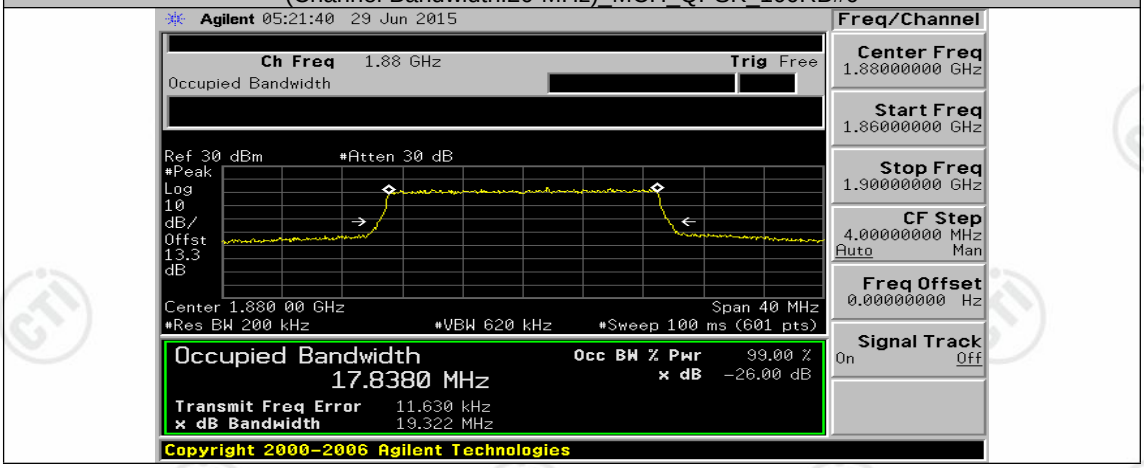


Channel Bandwidth: 20 MHz

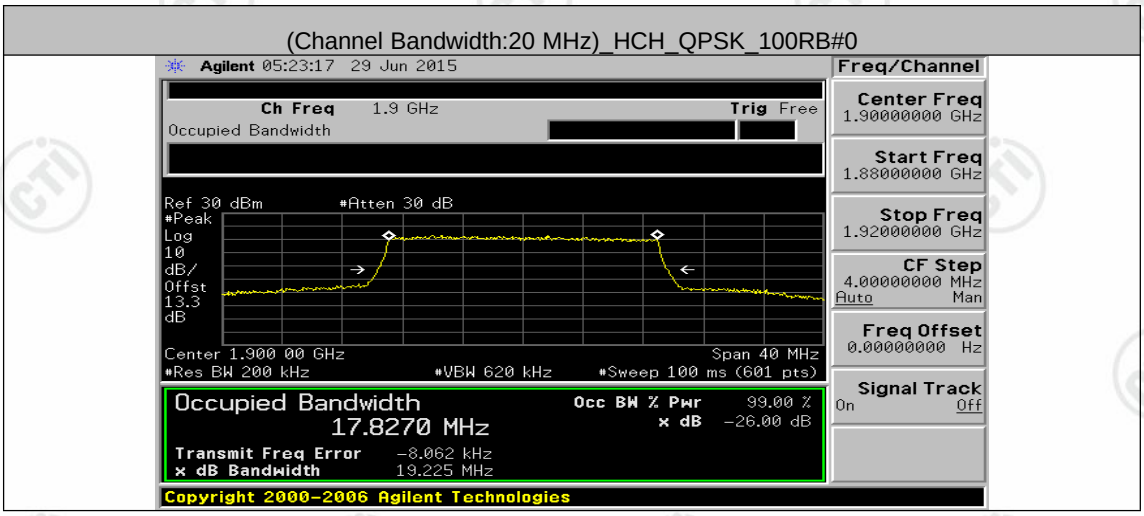
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



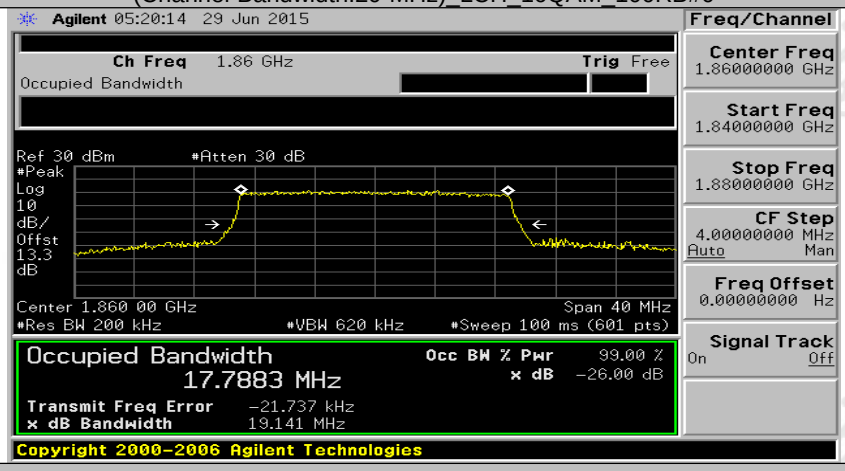
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0



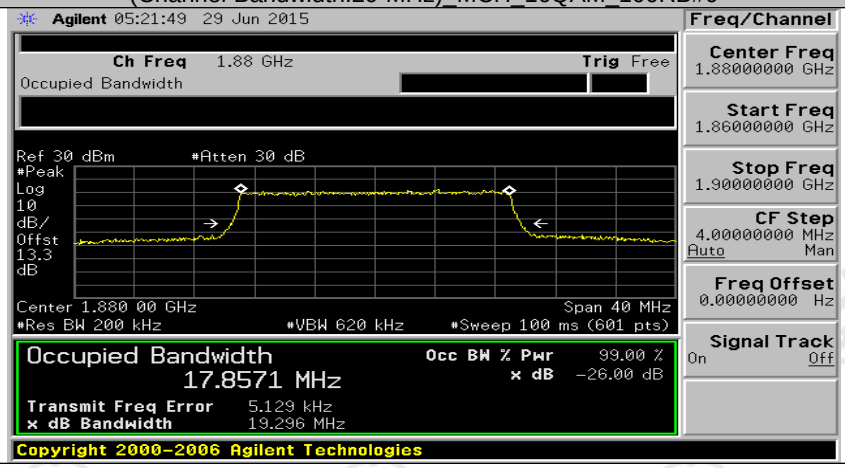
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



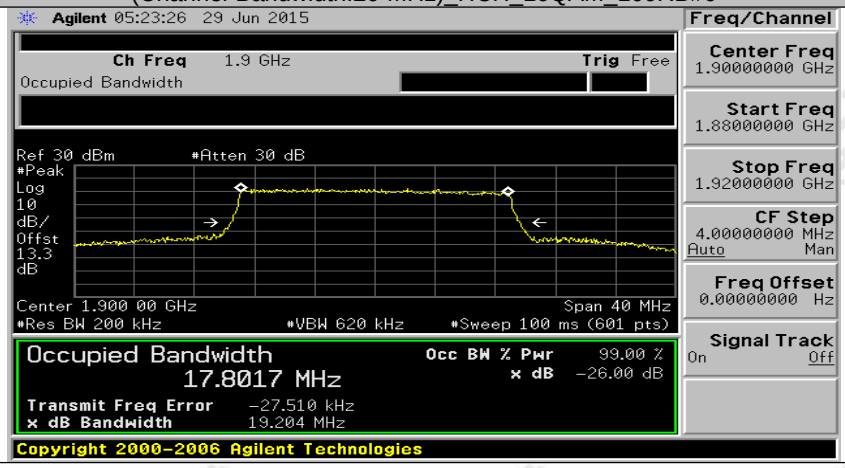
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

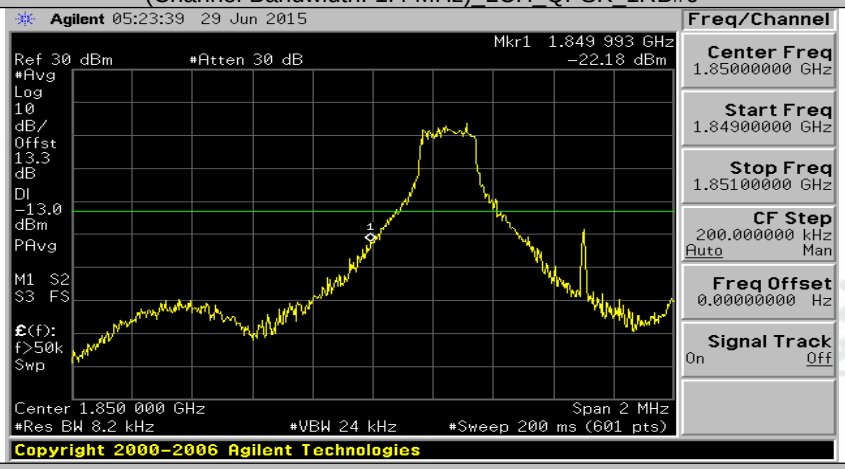


Appendix D: Band Edge

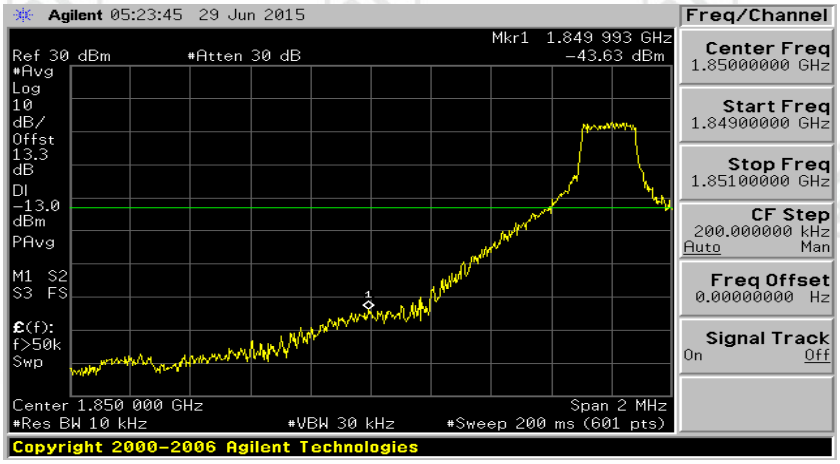
Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

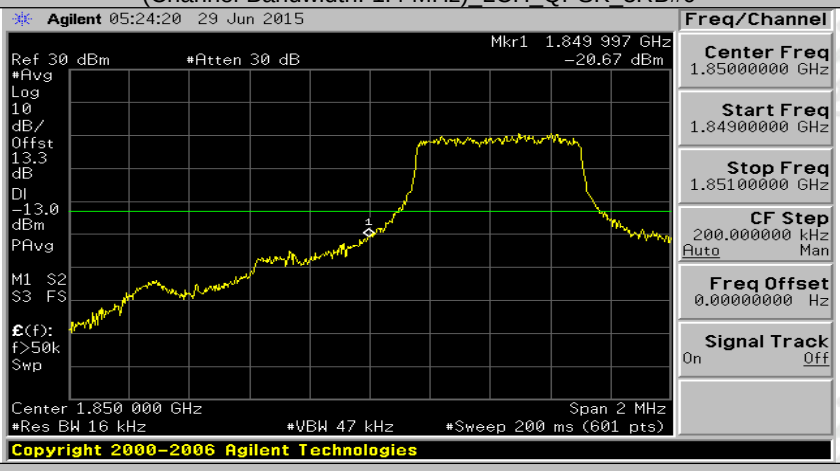


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

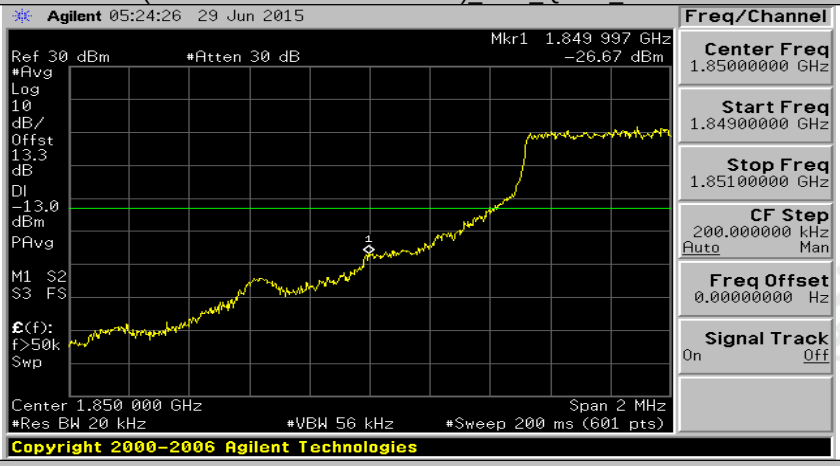


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

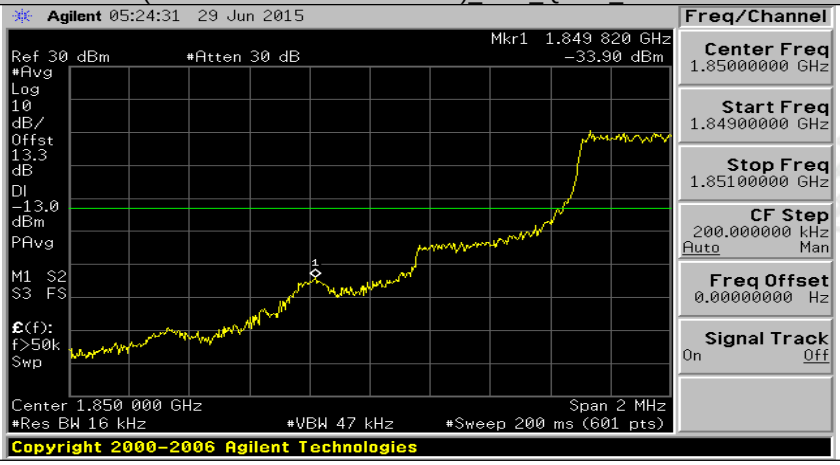
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



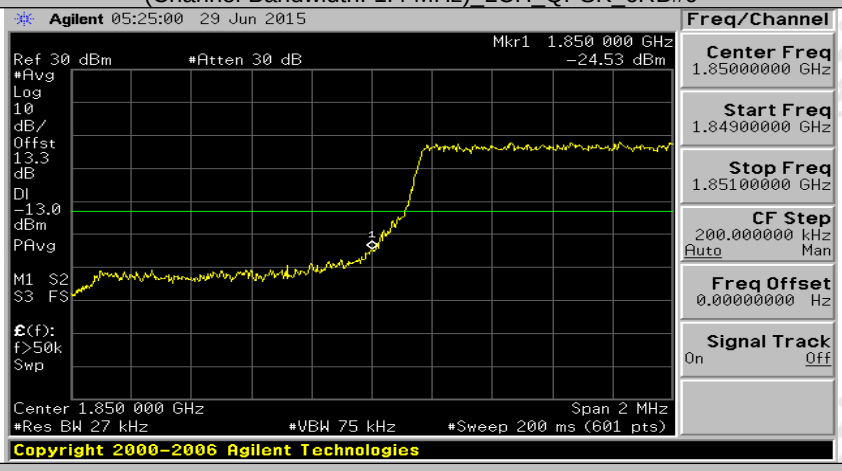
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



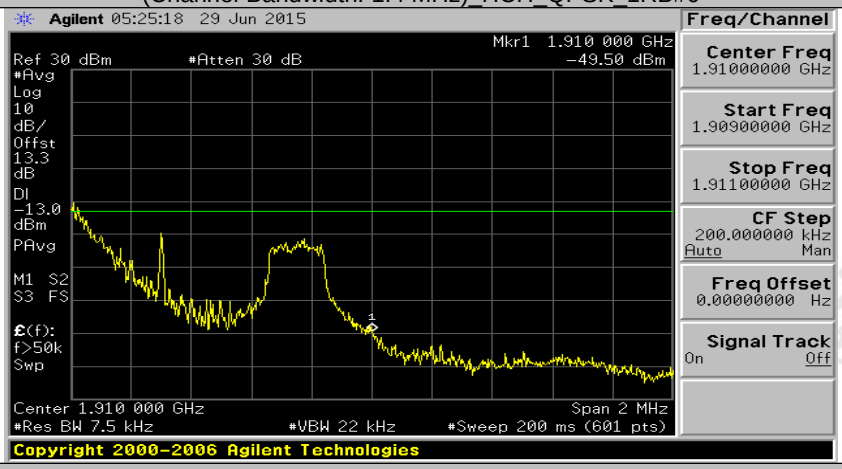
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



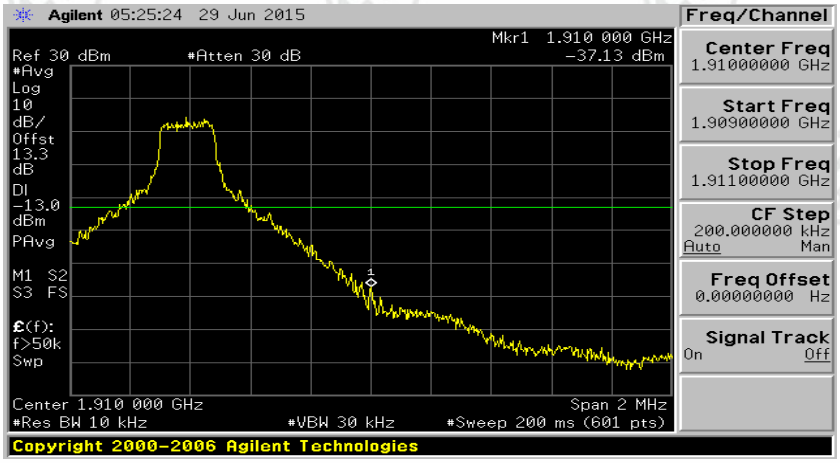
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



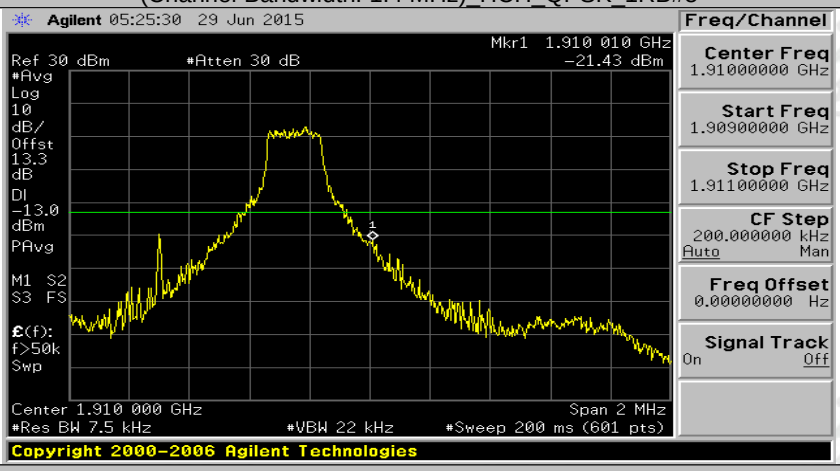
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



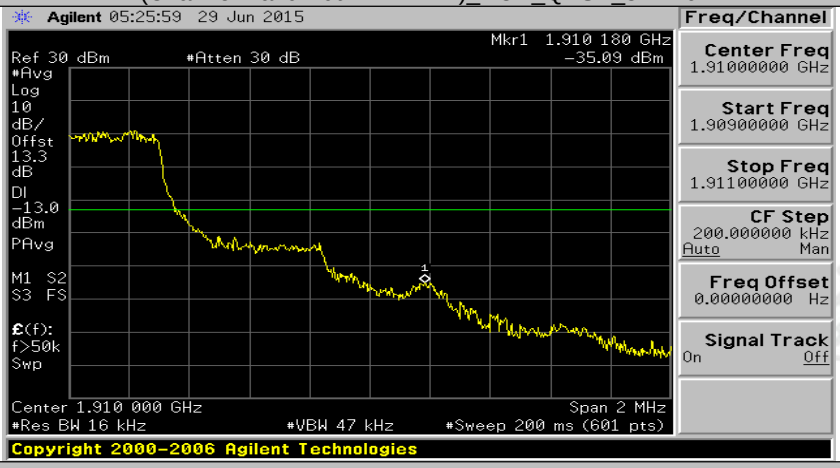
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

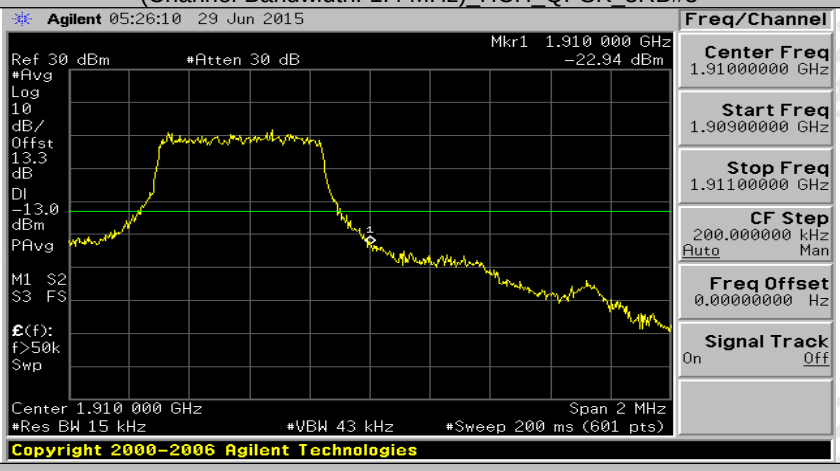


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



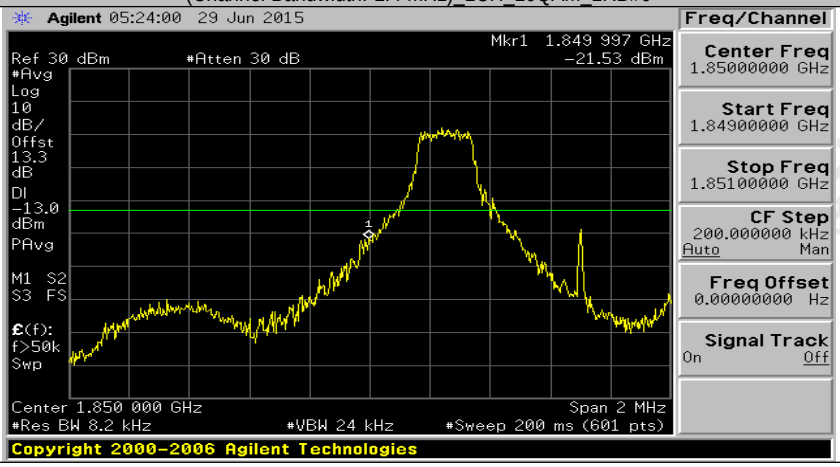
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

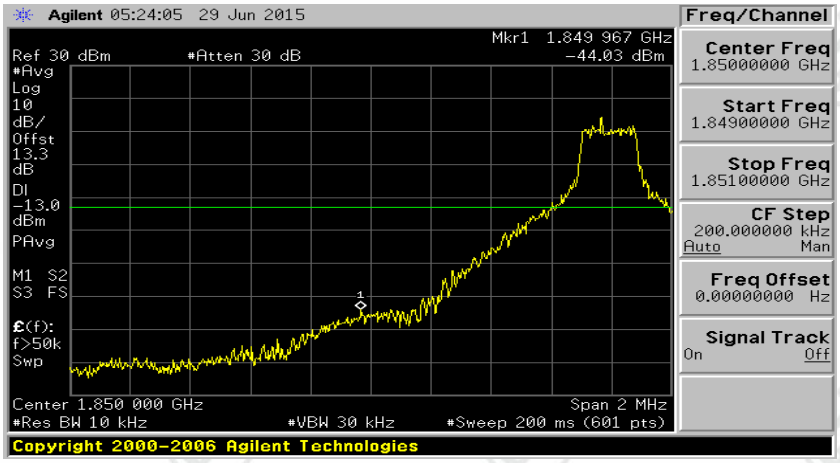


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

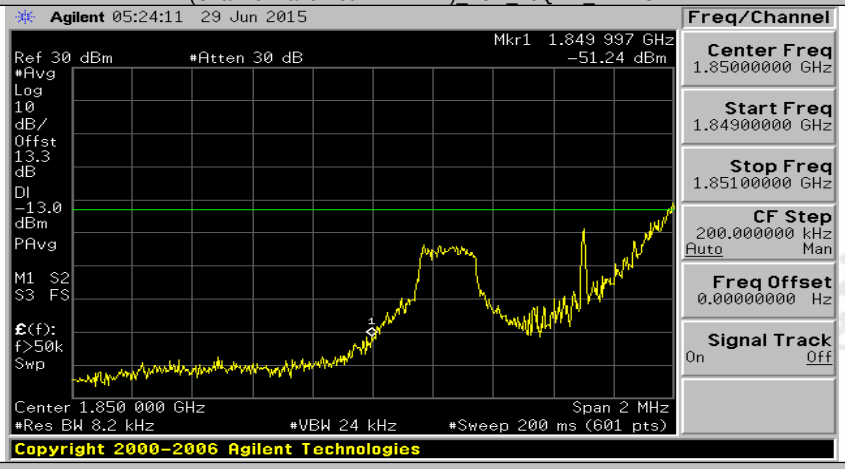
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



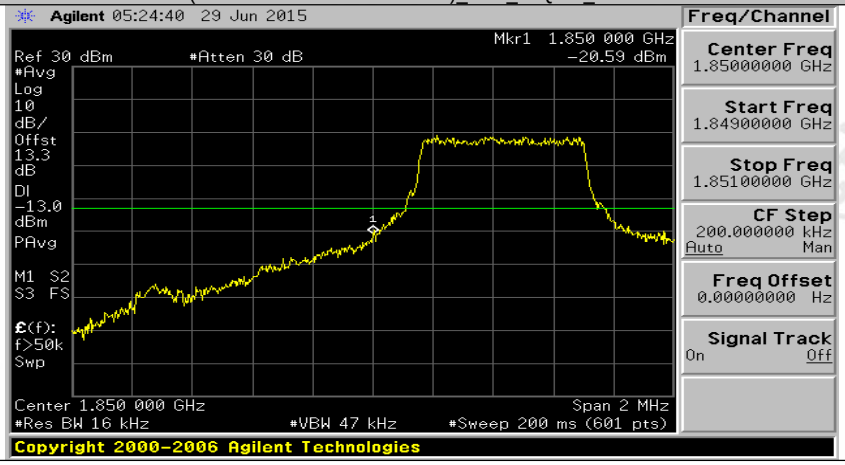
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



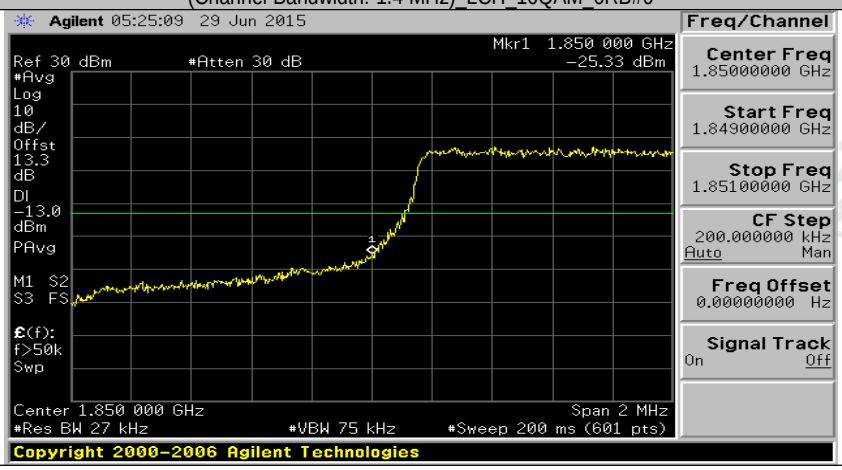
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



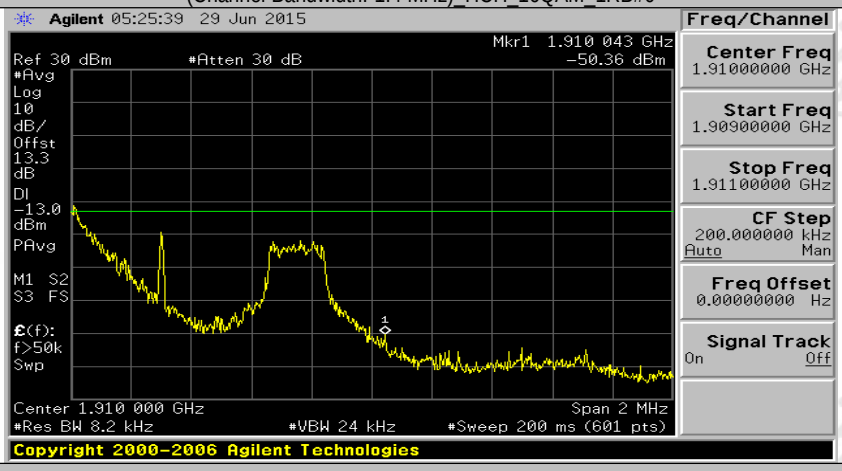
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

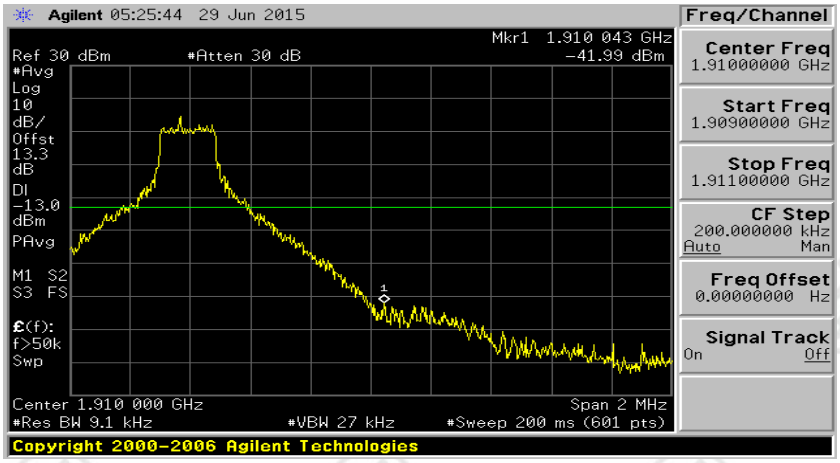
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



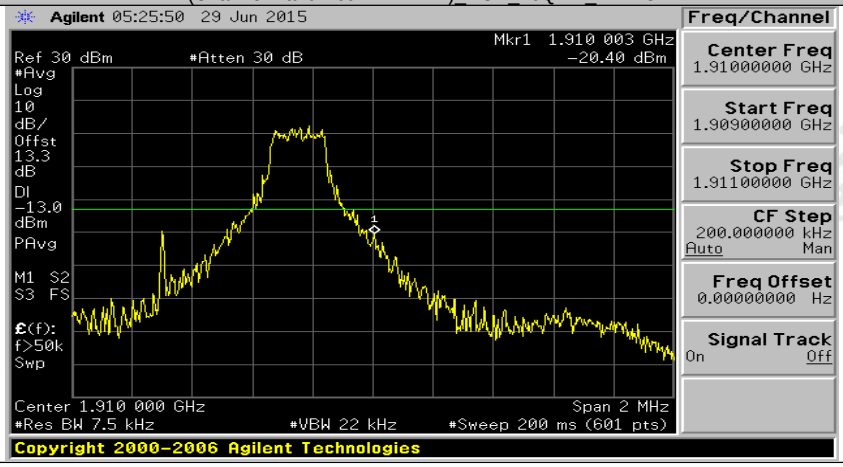
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



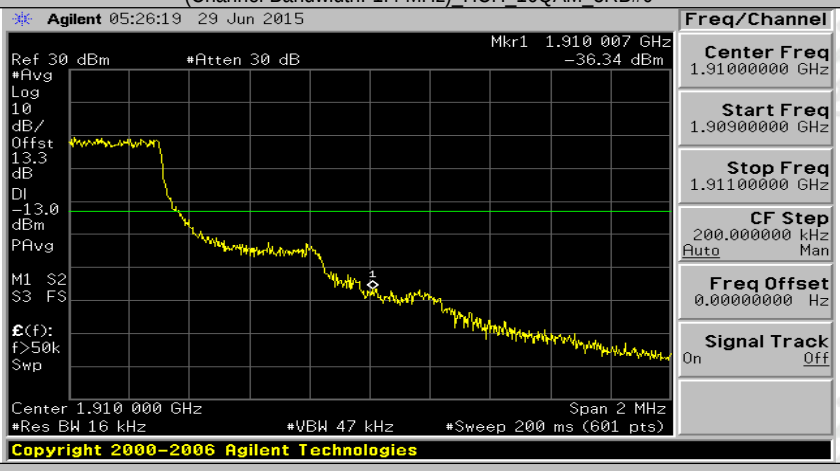
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



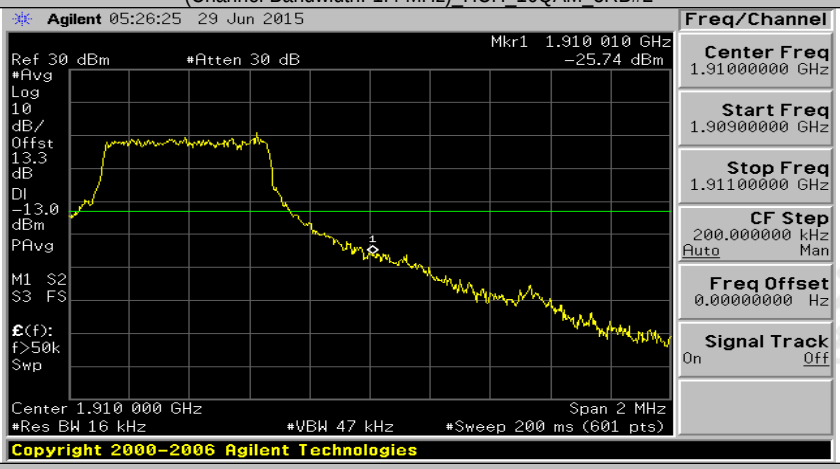
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

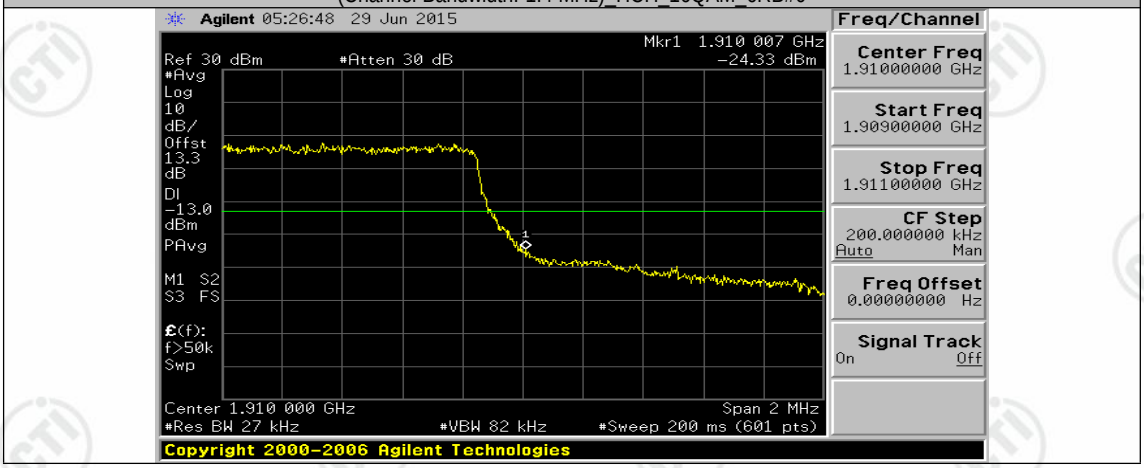


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



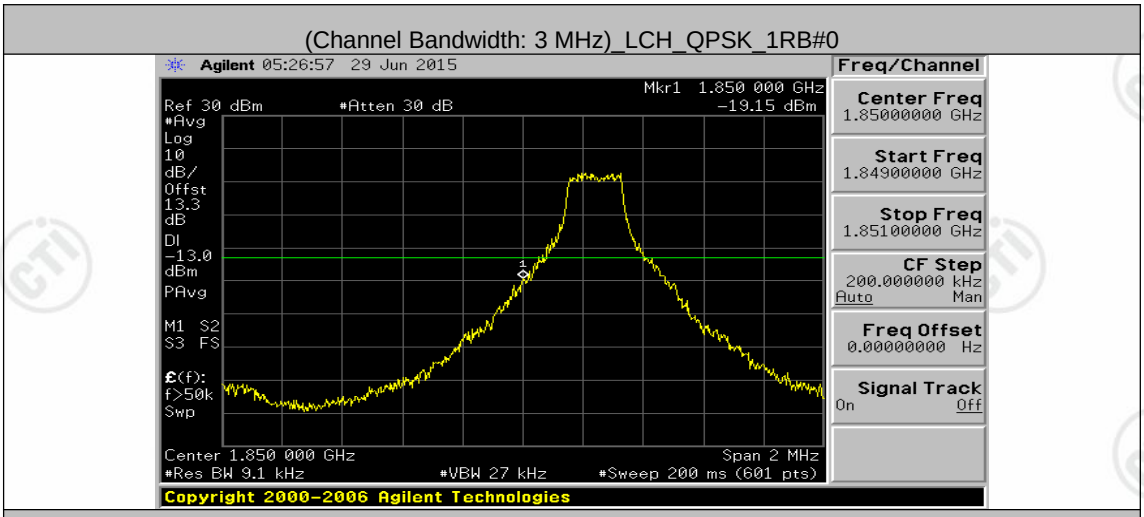
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

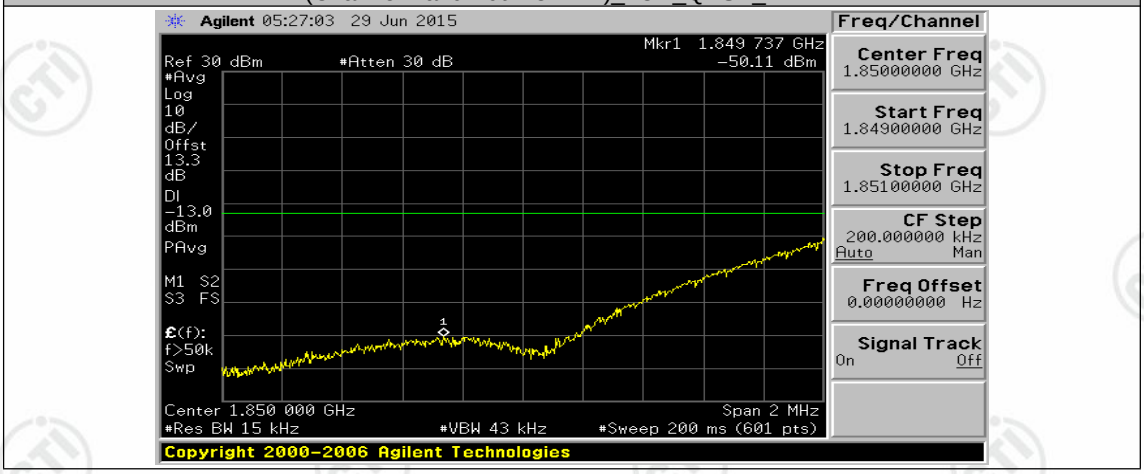


Channel Bandwidth: 3 MHz

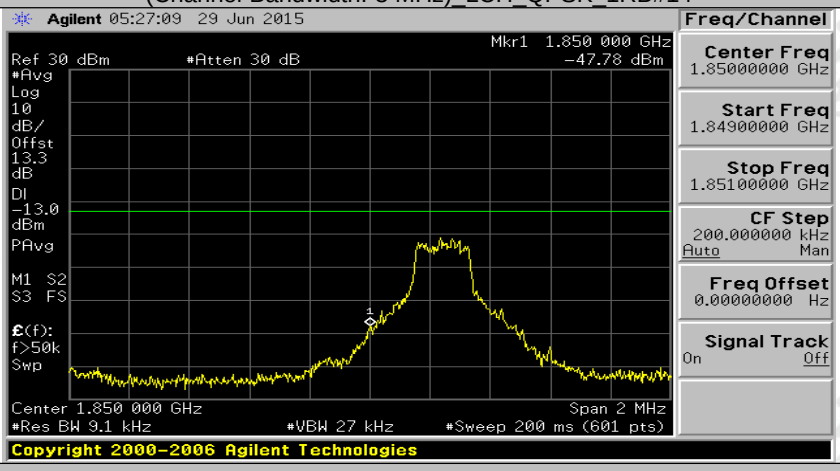
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



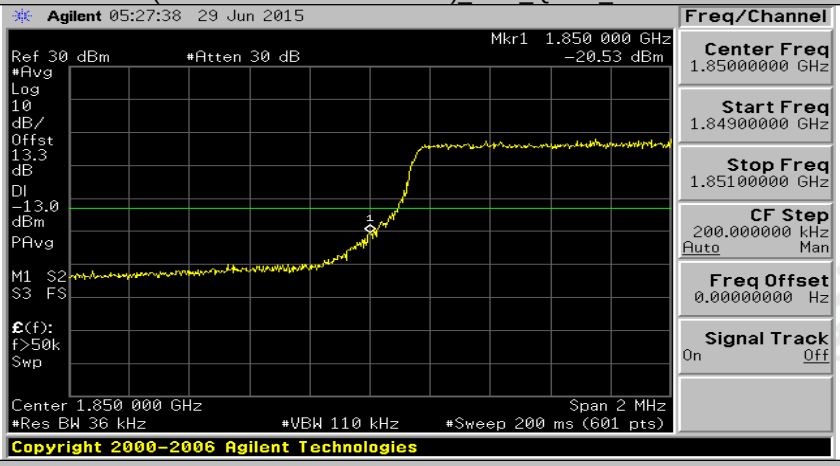
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



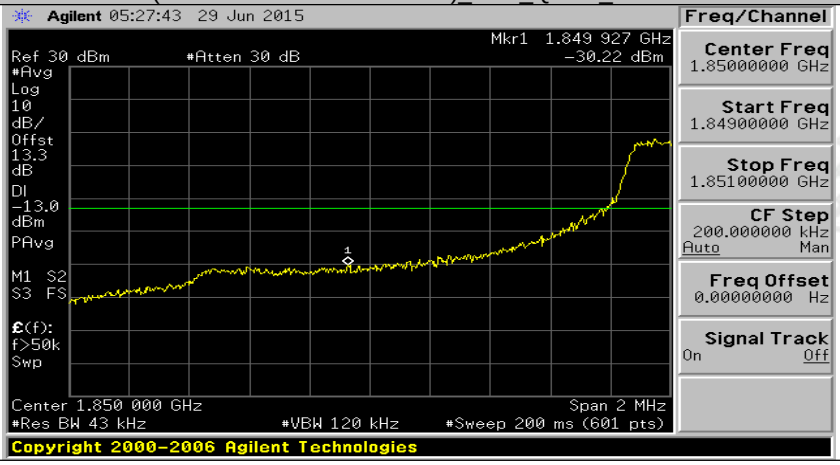
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



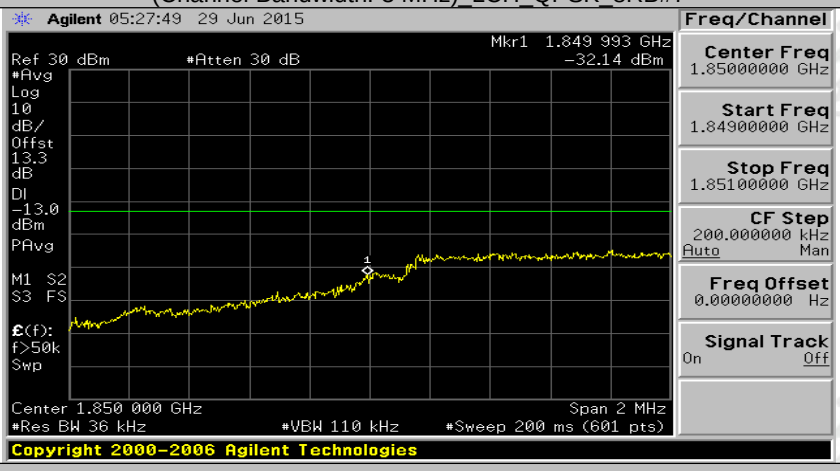
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



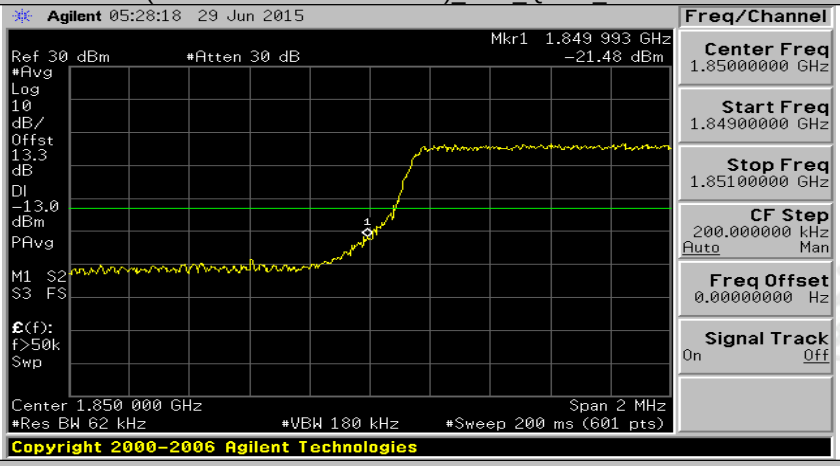
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



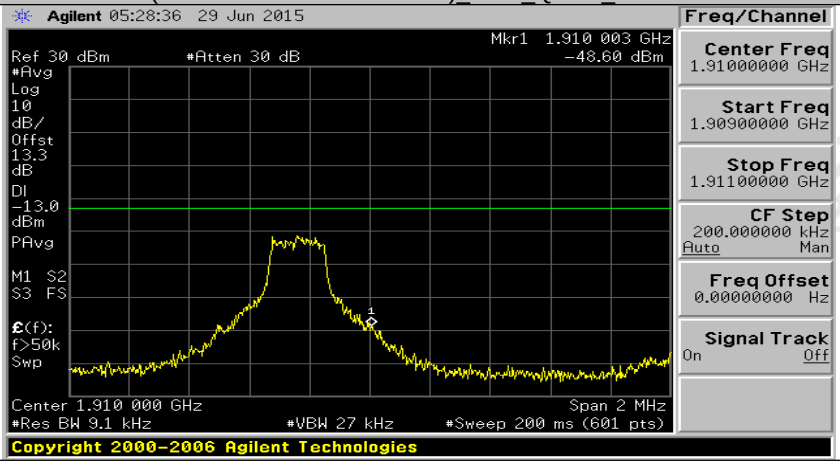
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



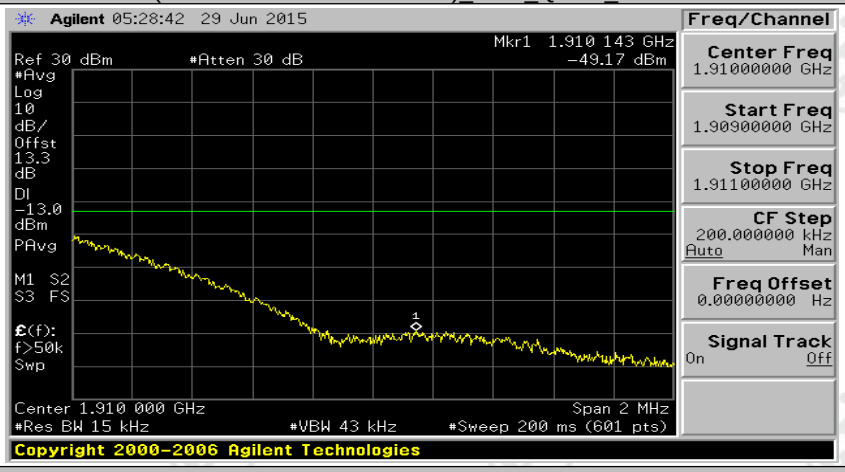
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



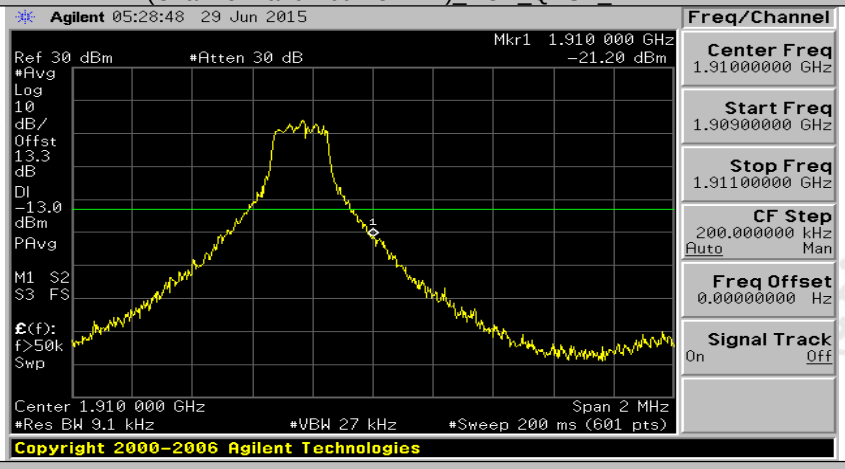
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



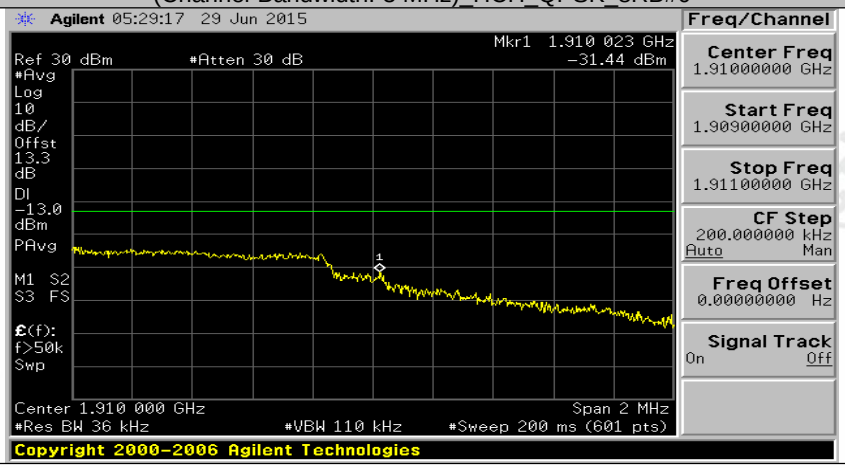
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



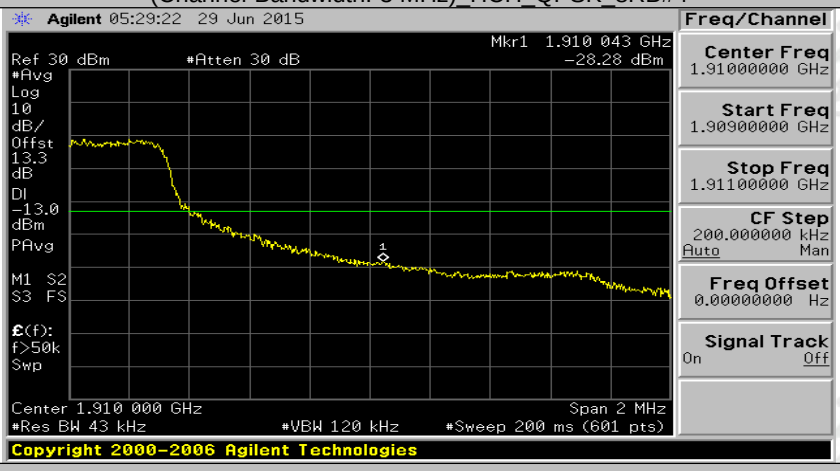
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



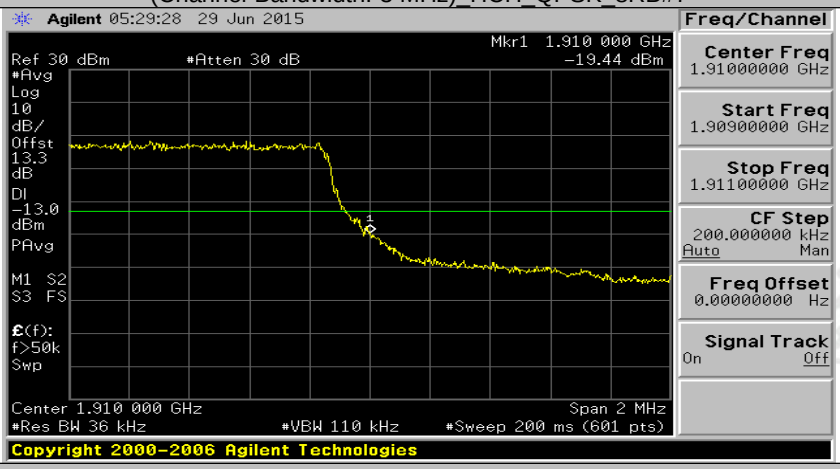
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



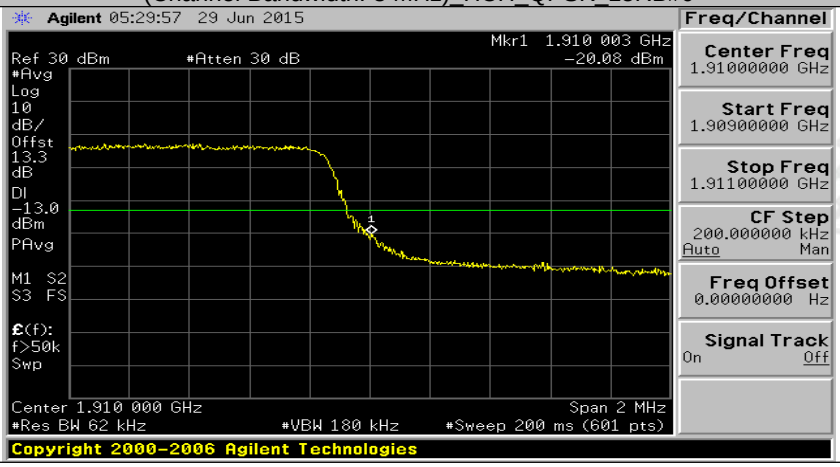
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



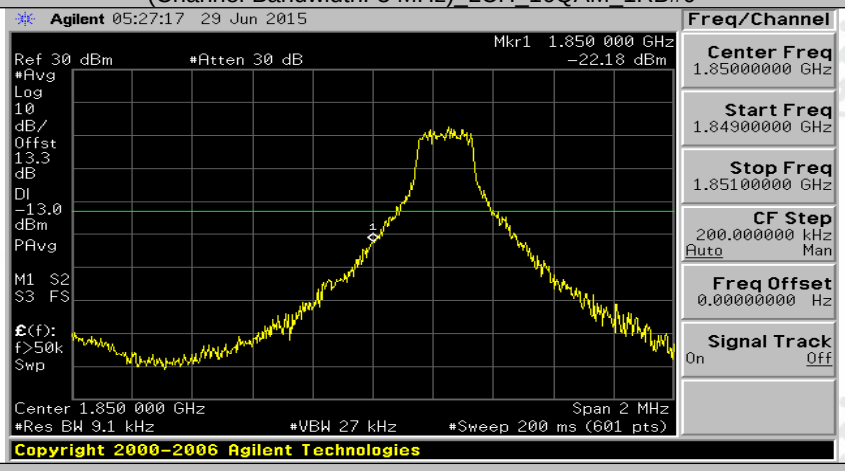
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



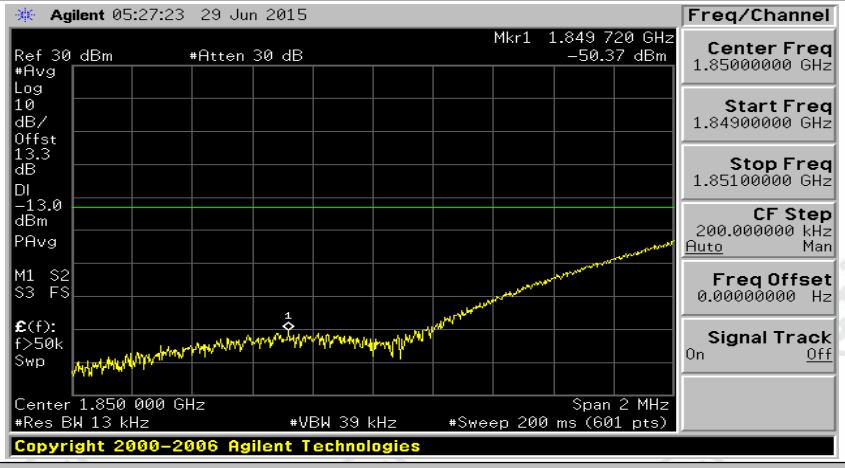
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



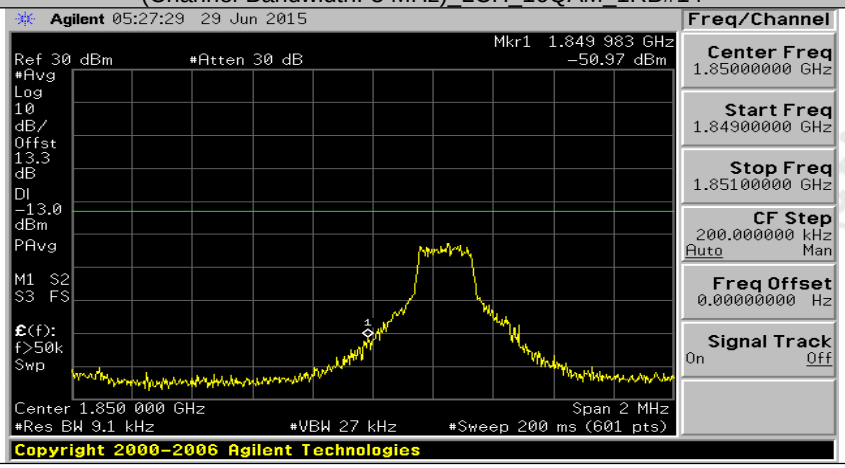
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



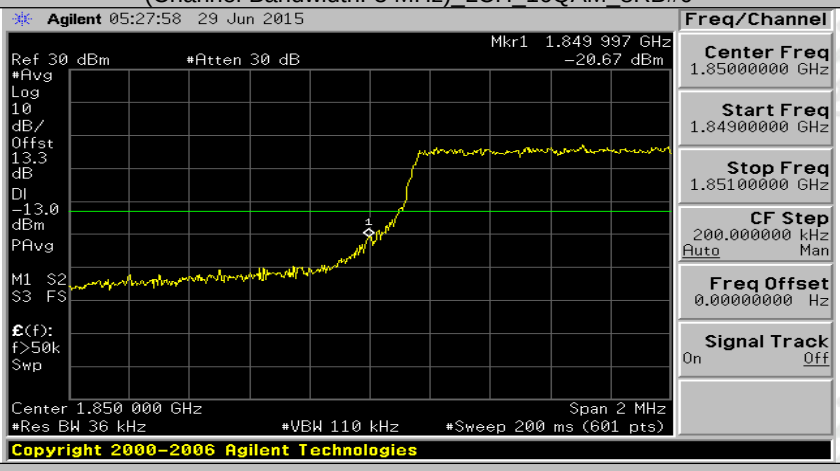
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



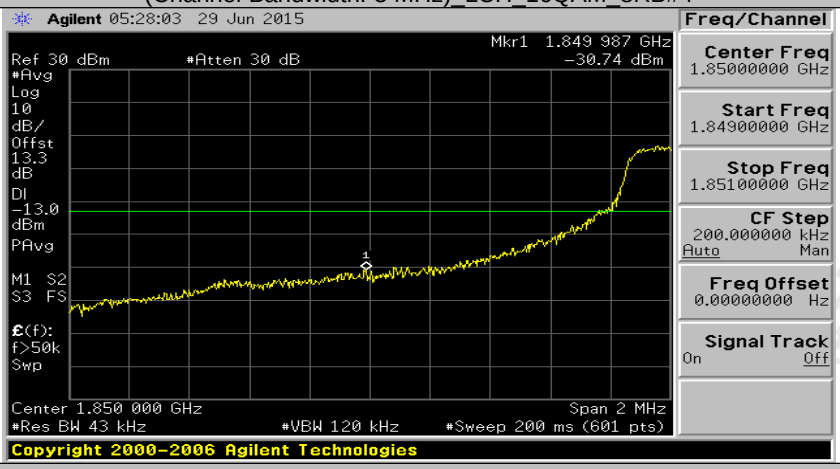
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



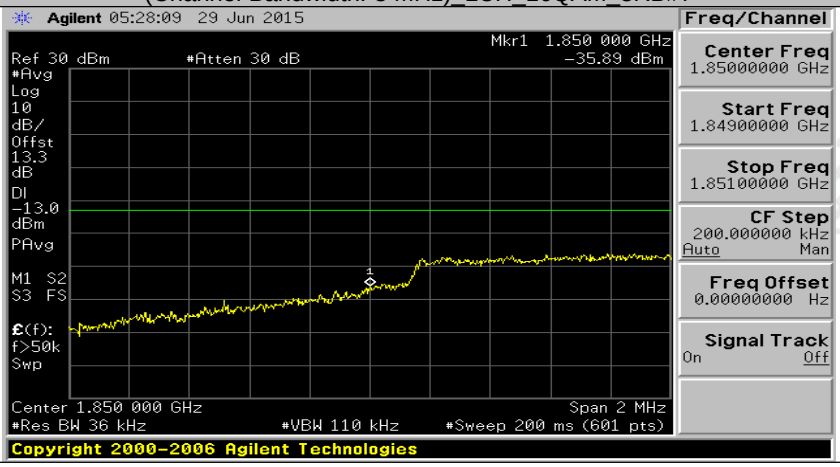
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



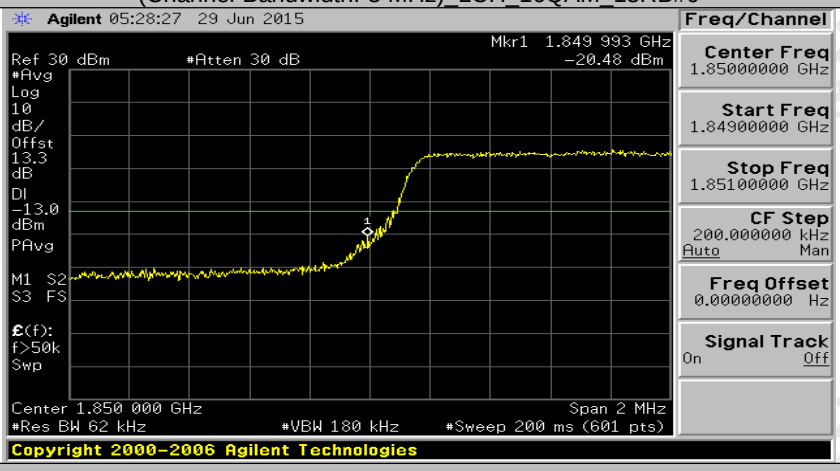
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



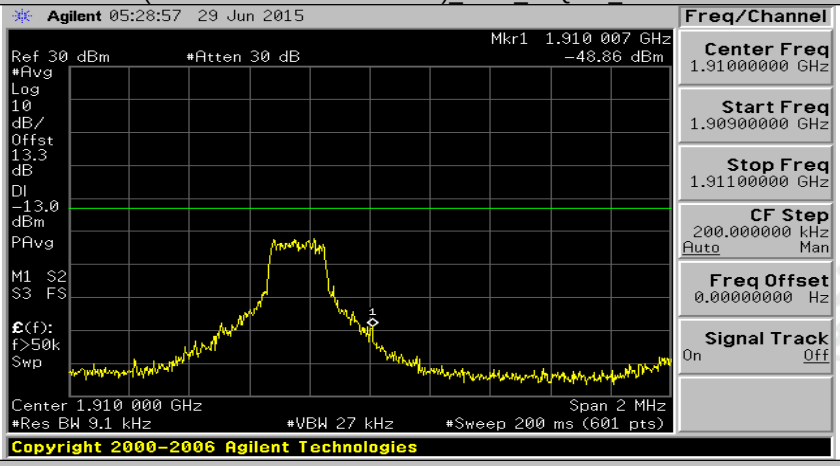
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



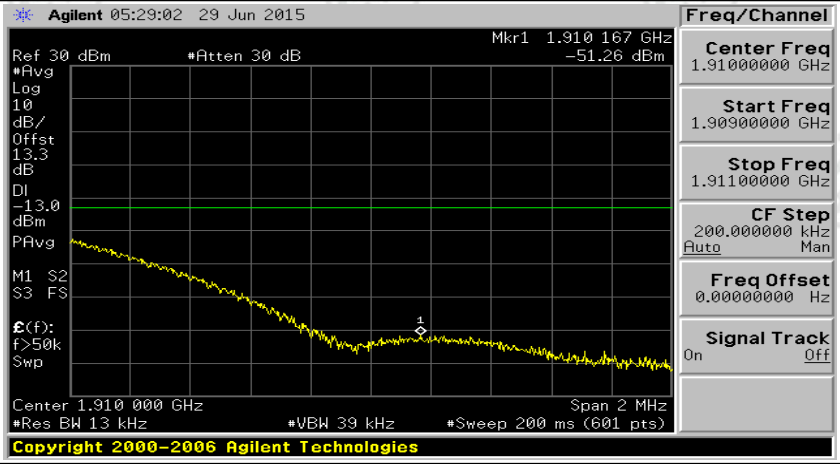
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



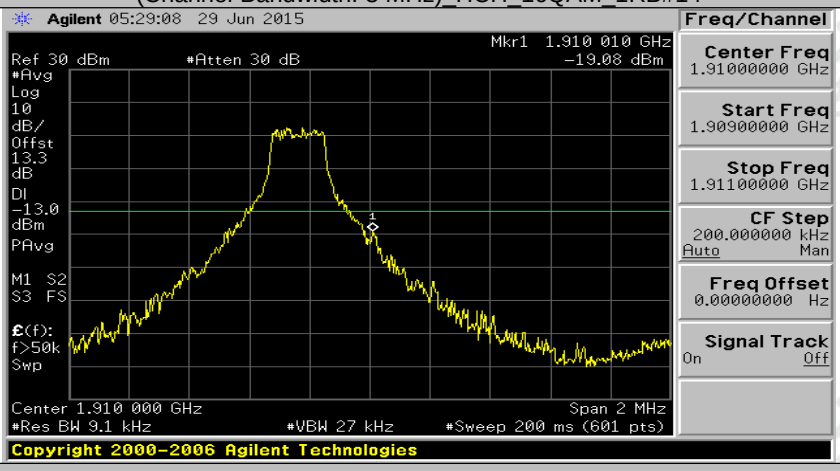
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



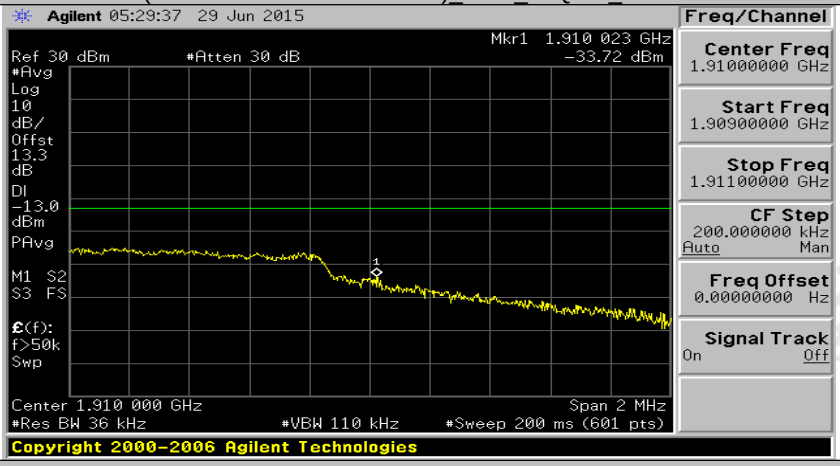
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



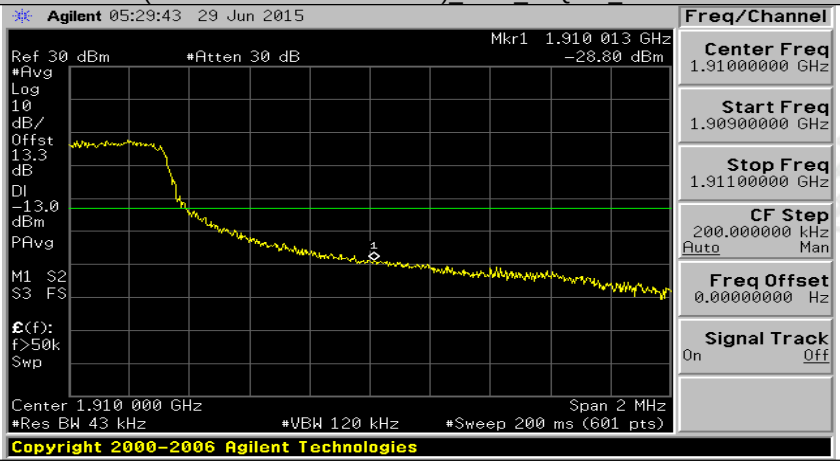
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



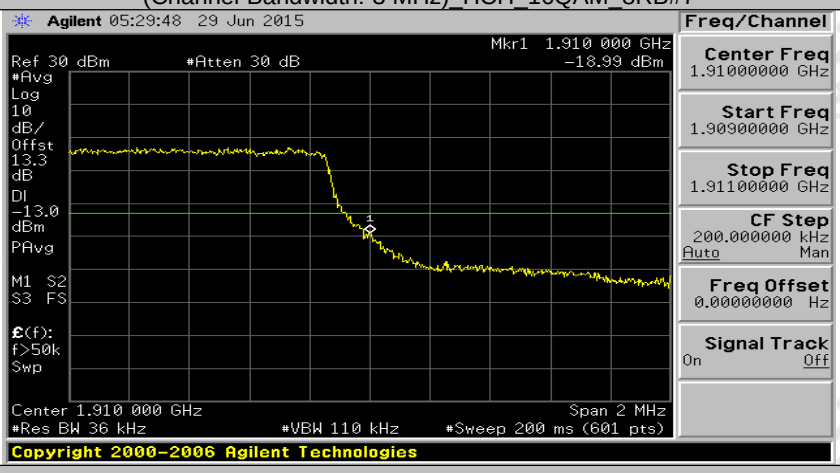
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



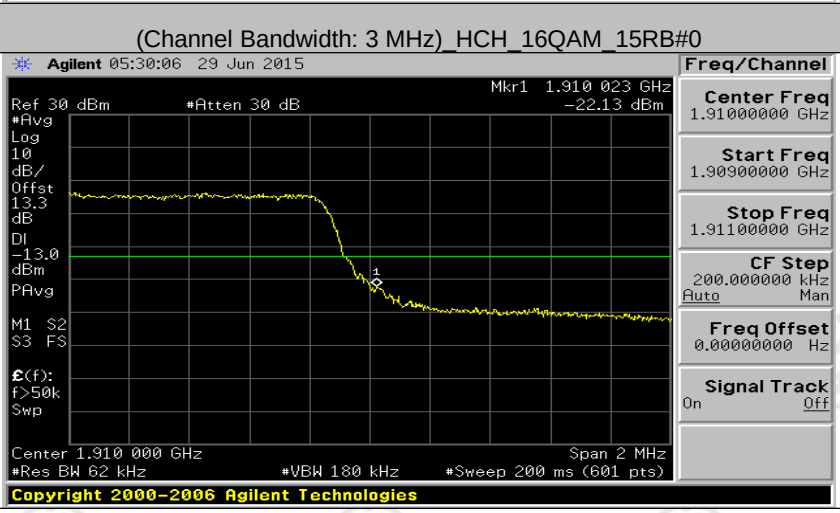
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

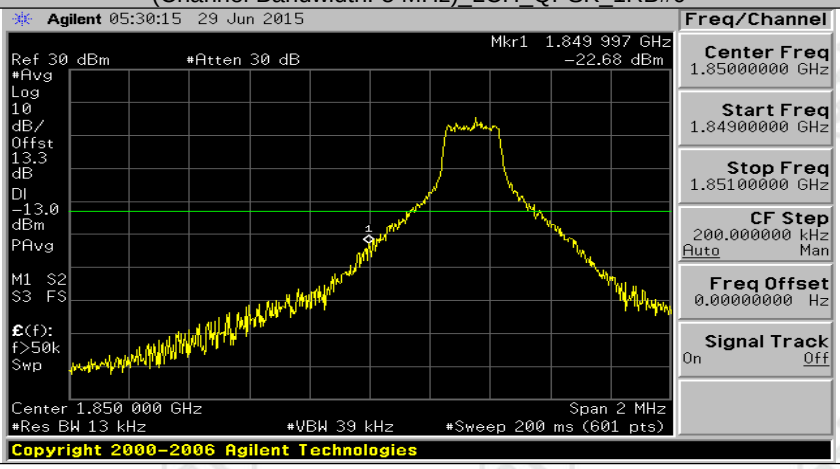


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

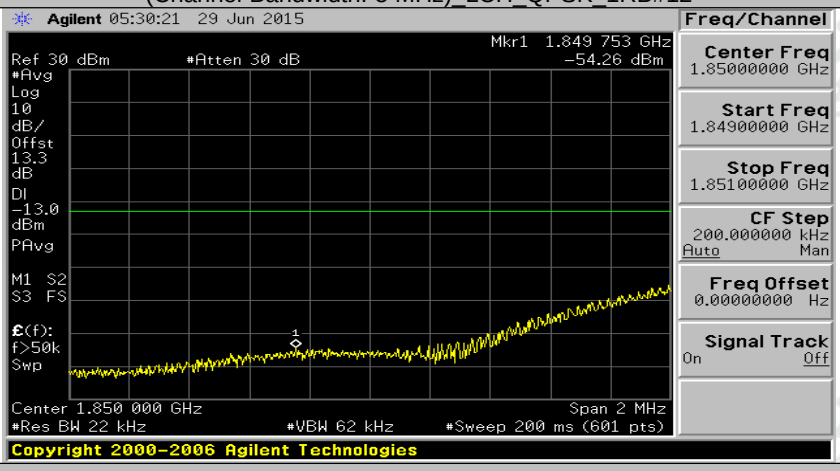


Channel Bandwidth: 5 MHz

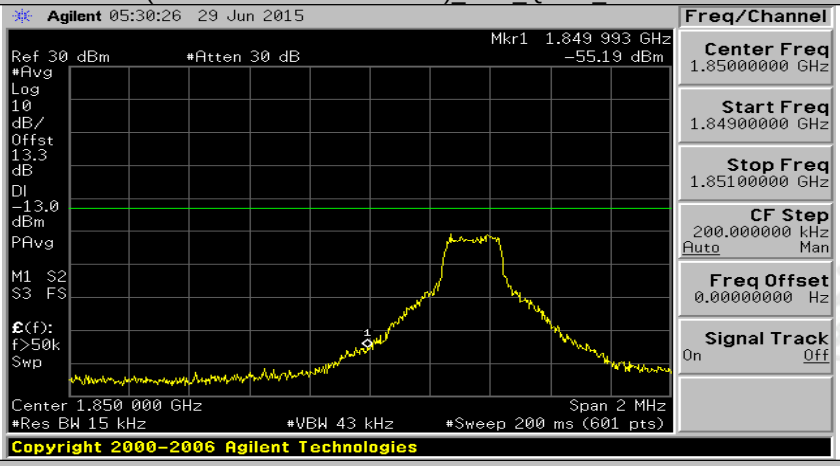
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



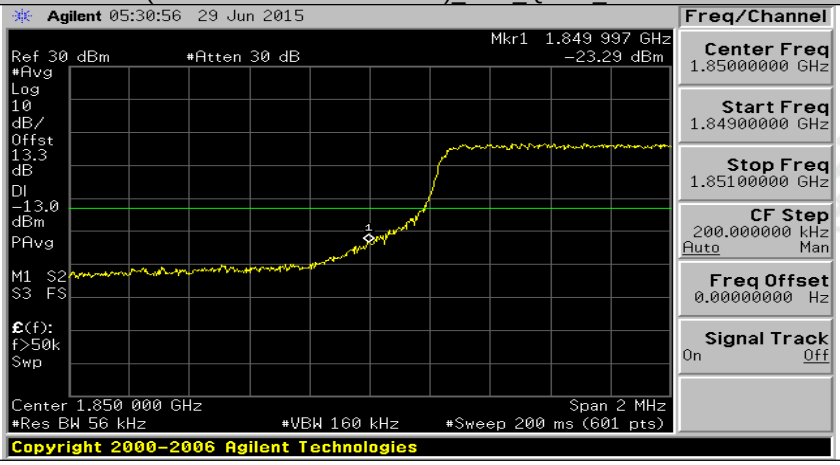
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



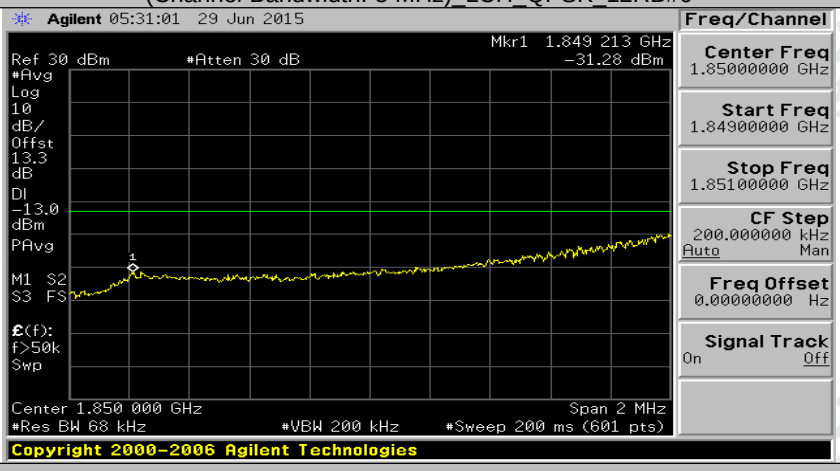
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



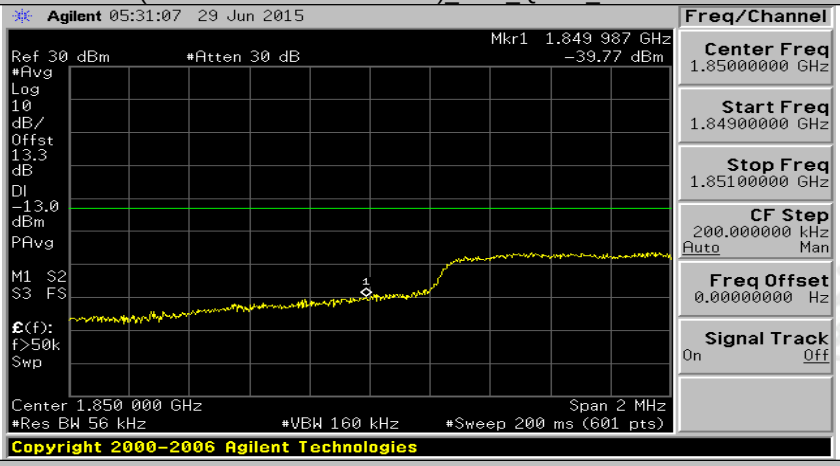
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



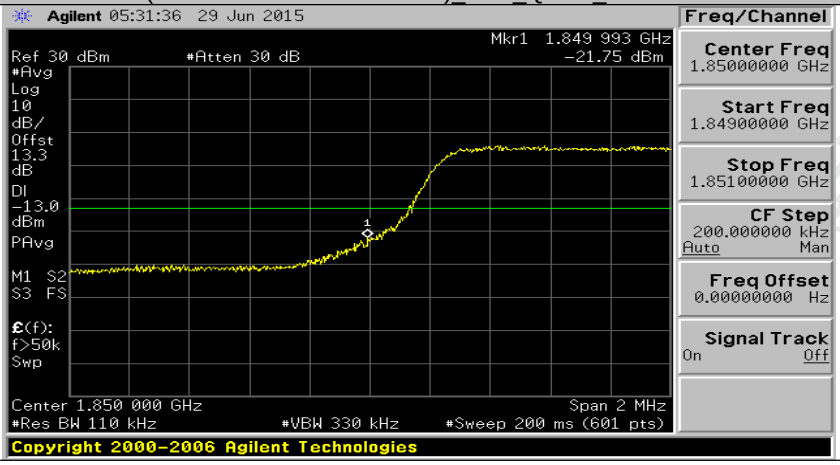
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



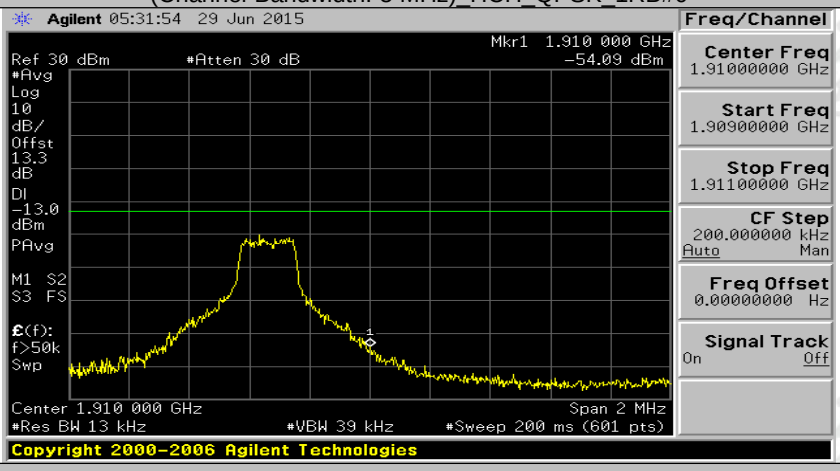
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



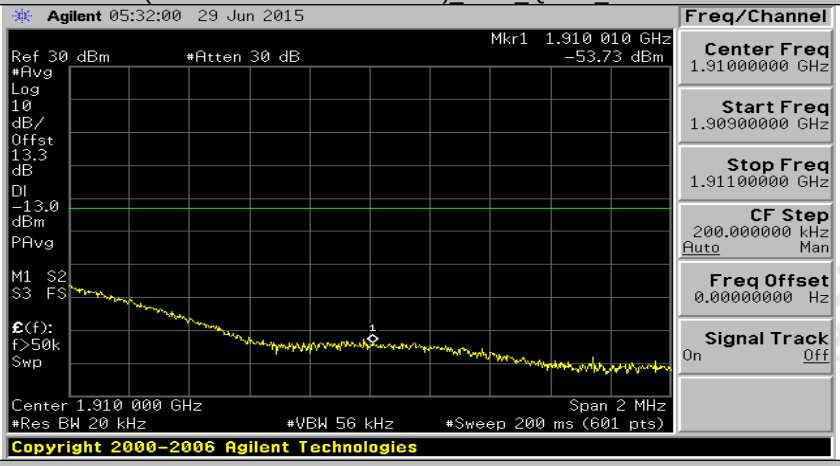
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



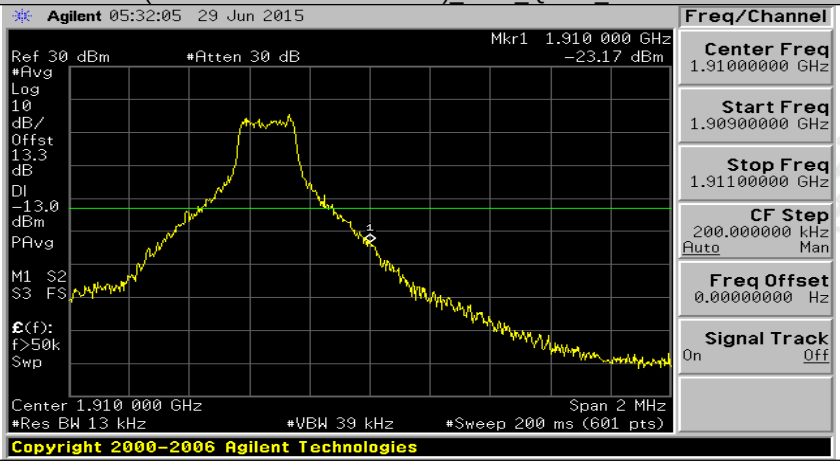
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



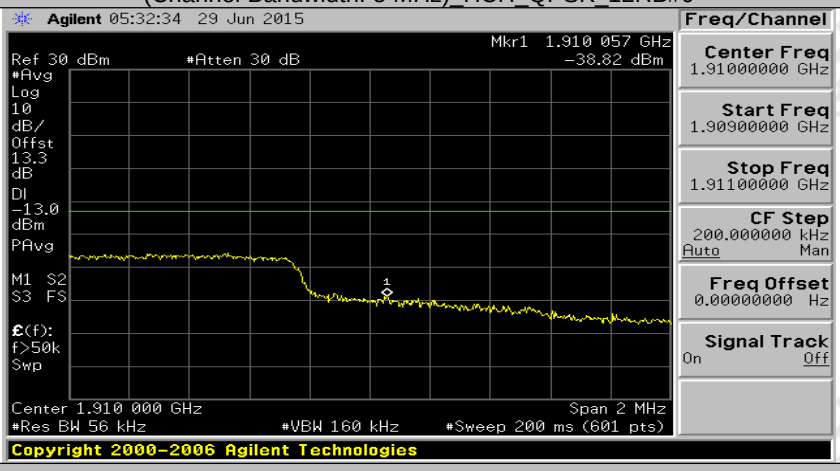
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



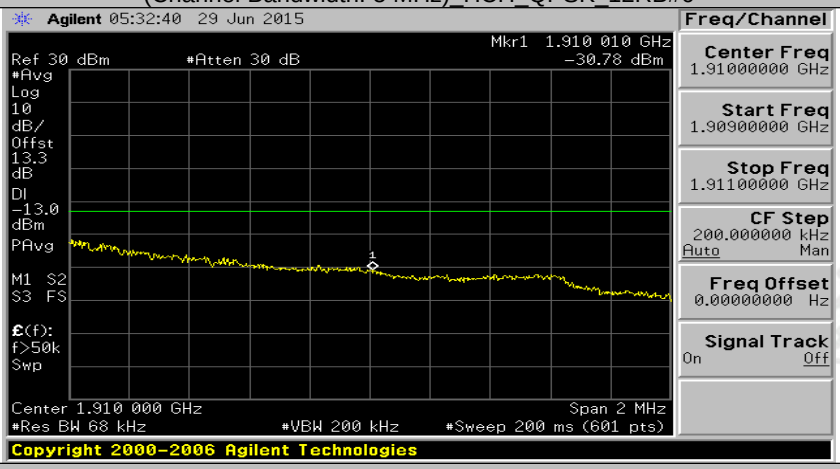
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



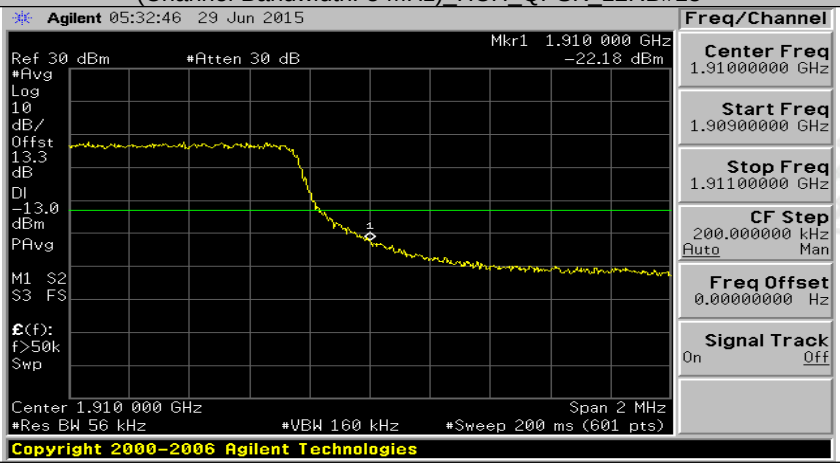
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



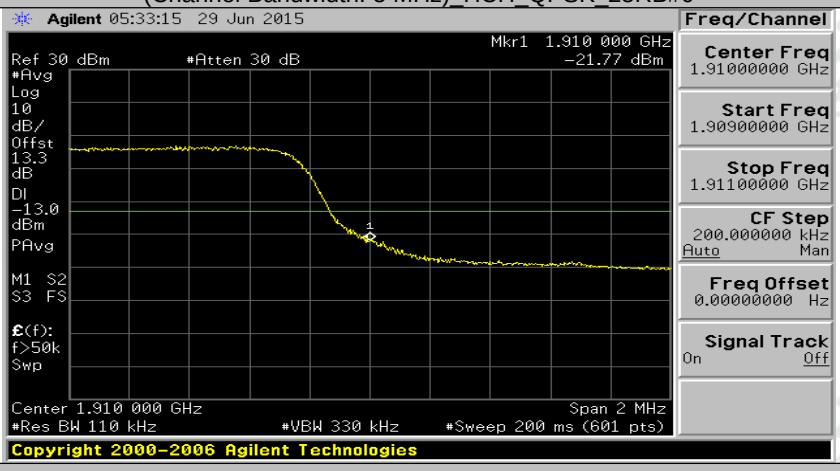
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



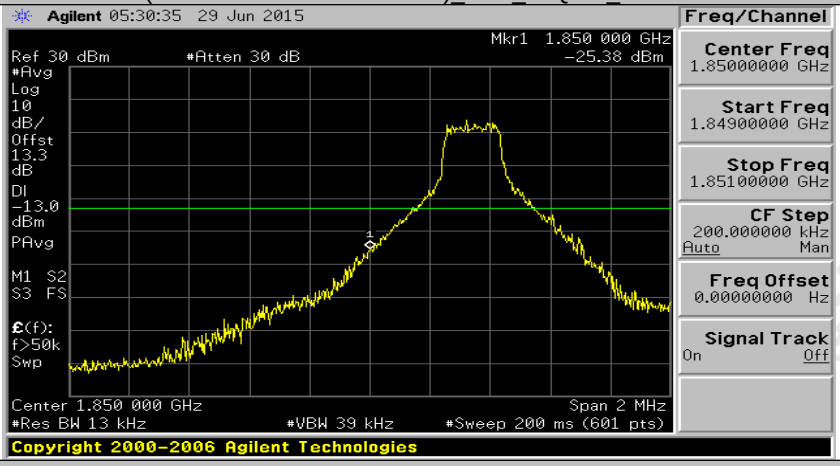
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



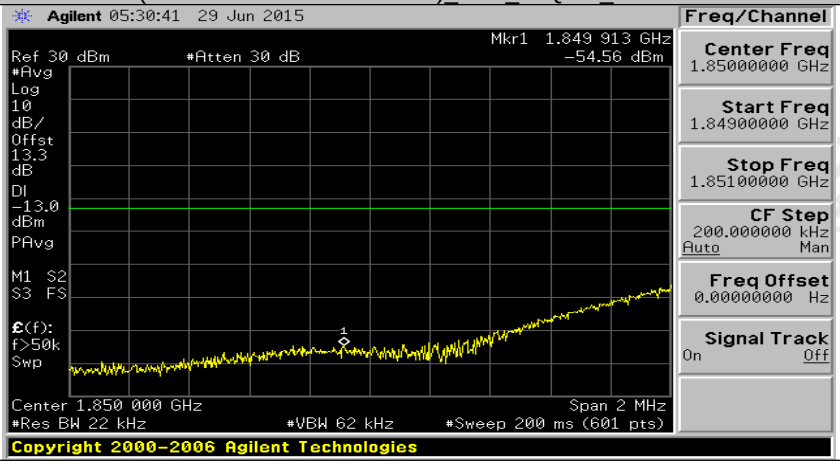
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



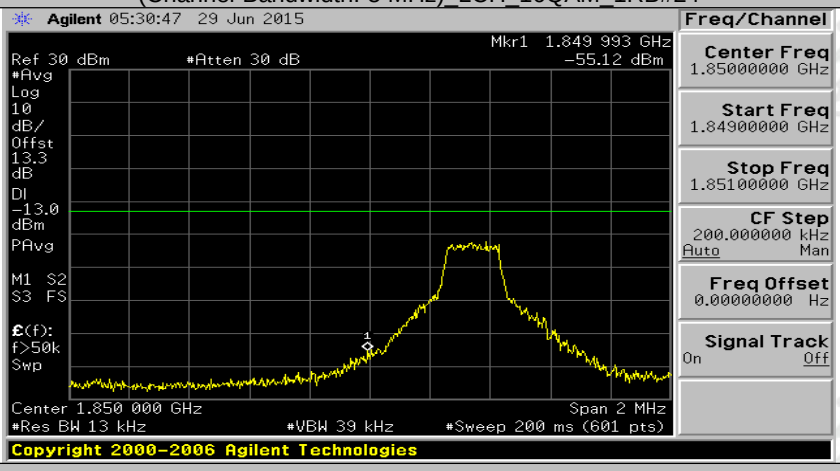
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



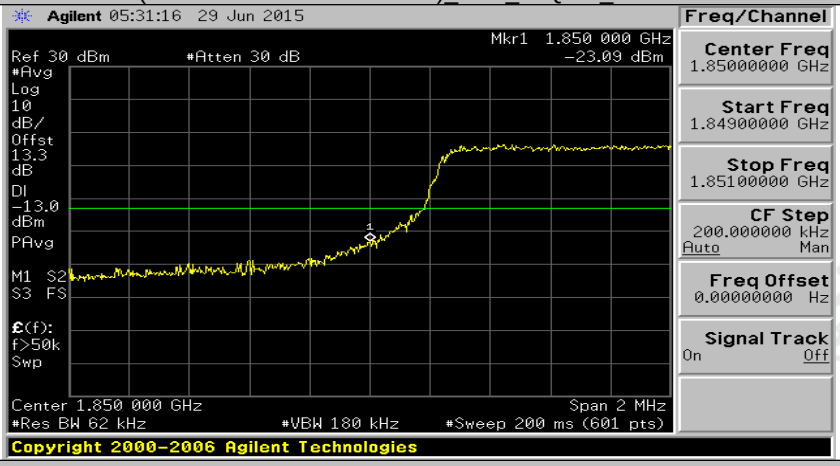
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



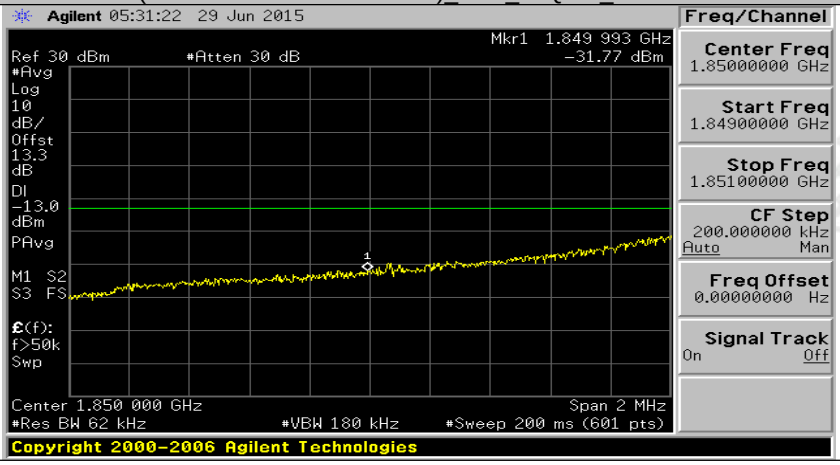
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



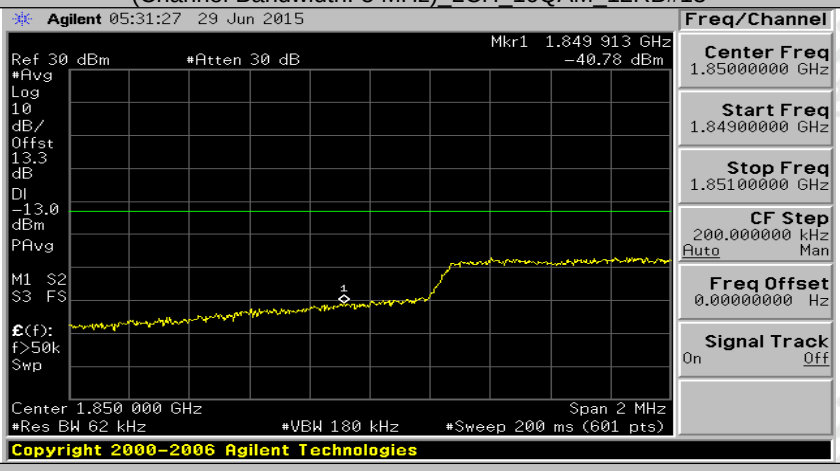
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



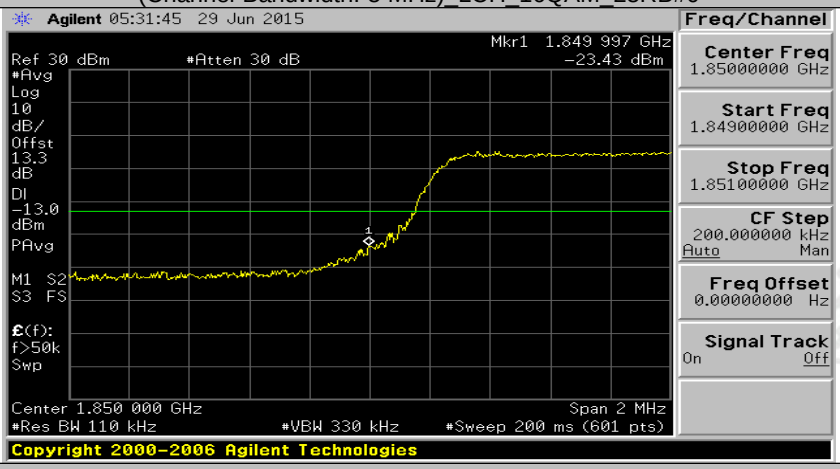
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



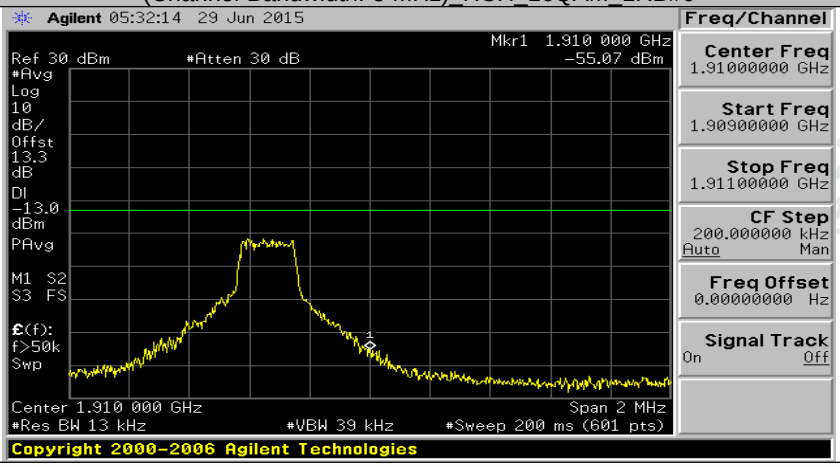
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



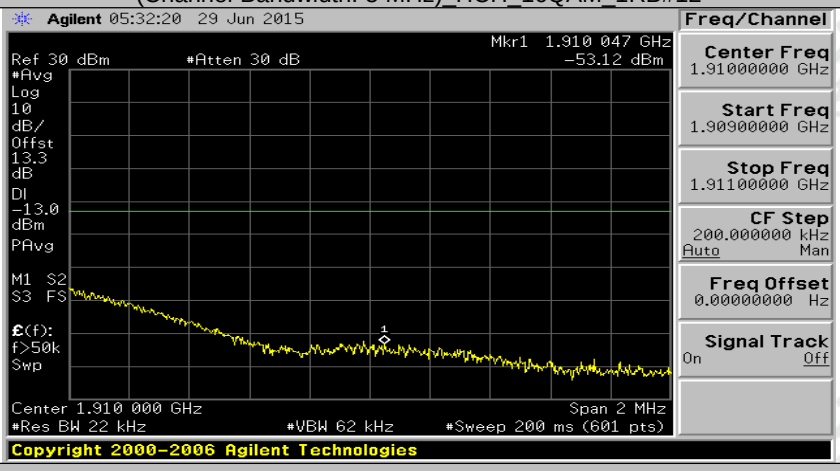
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



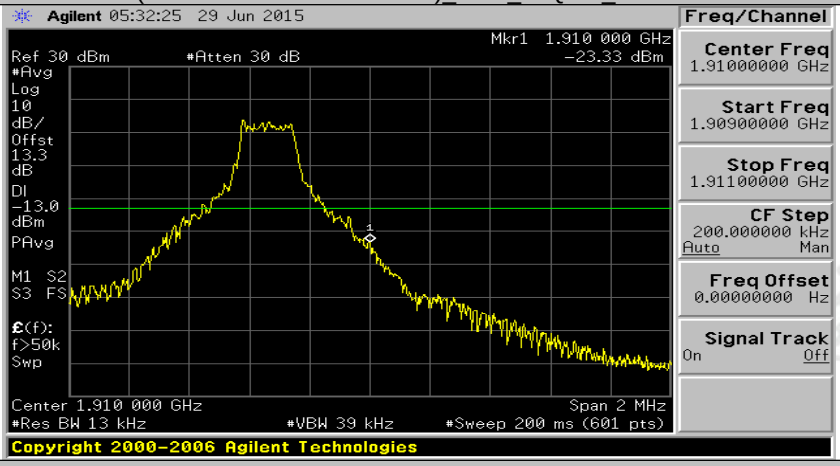
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



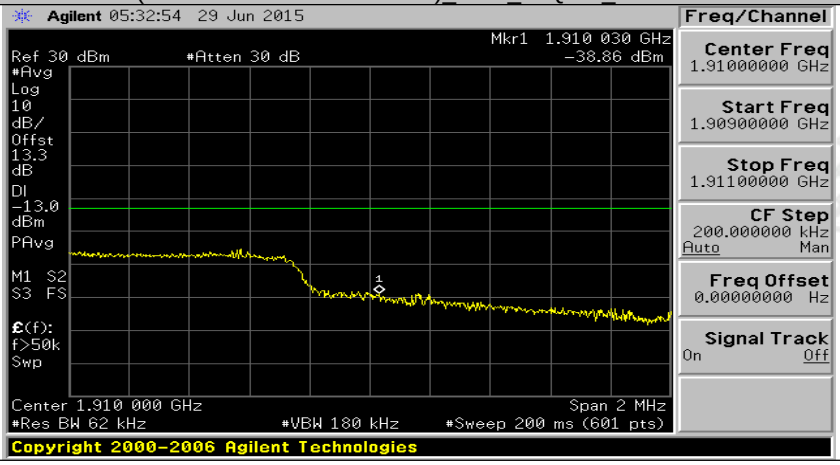
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



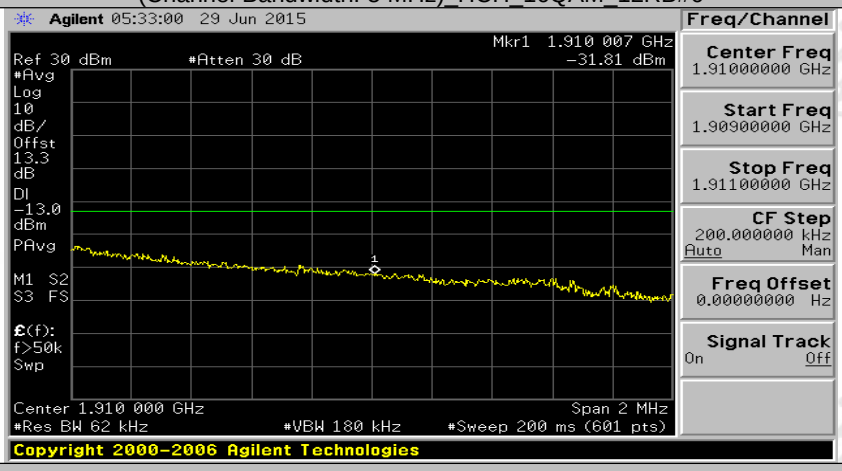
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



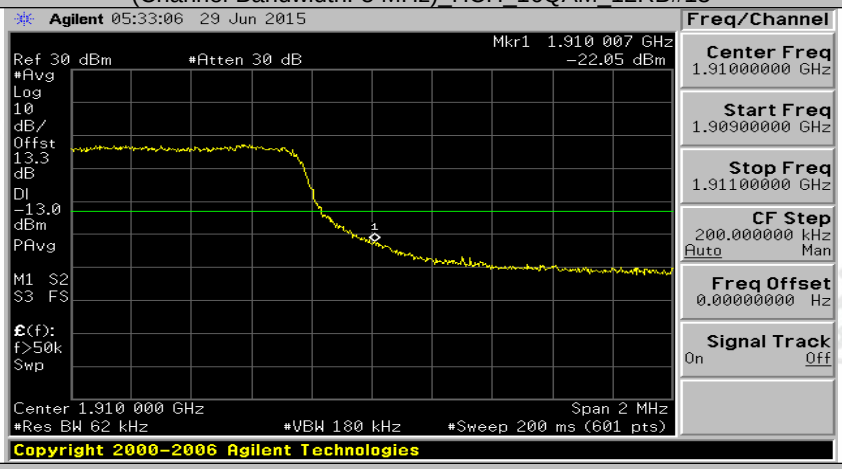
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



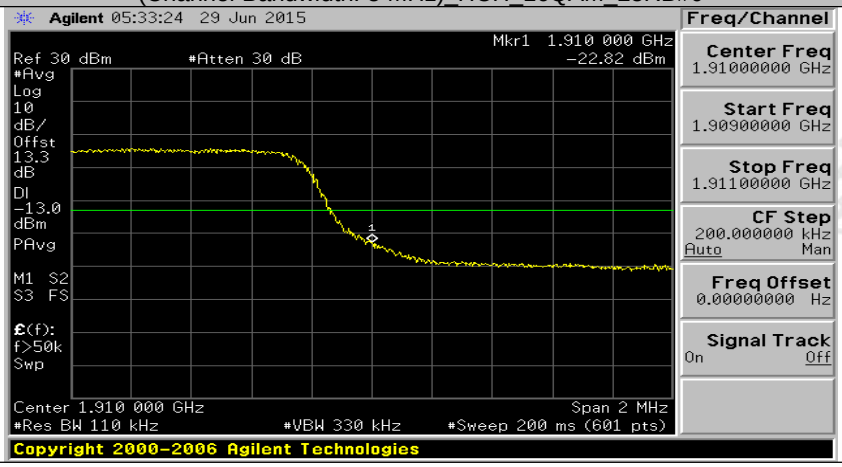
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

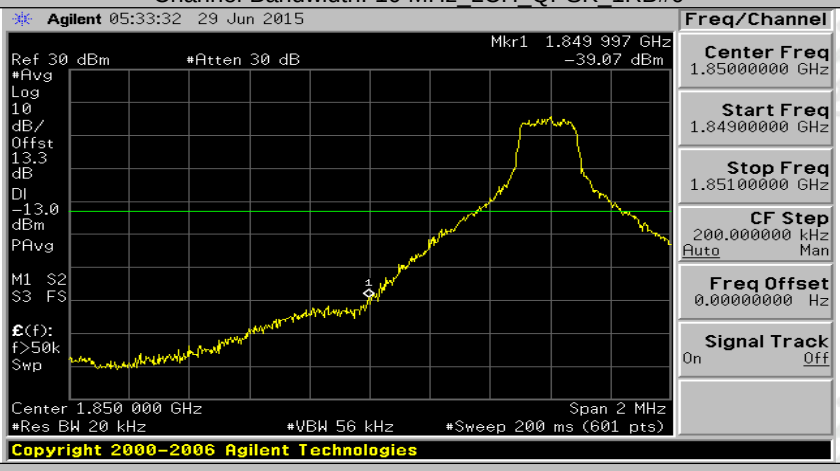


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

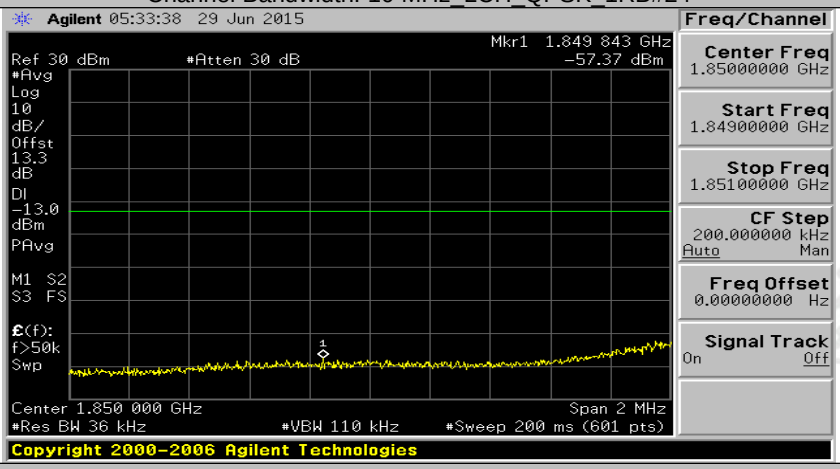


Channel Bandwidth: 10 MHz

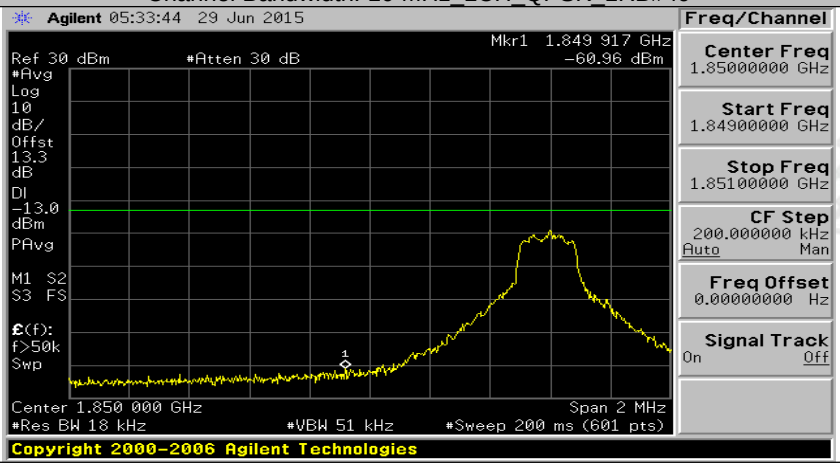
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



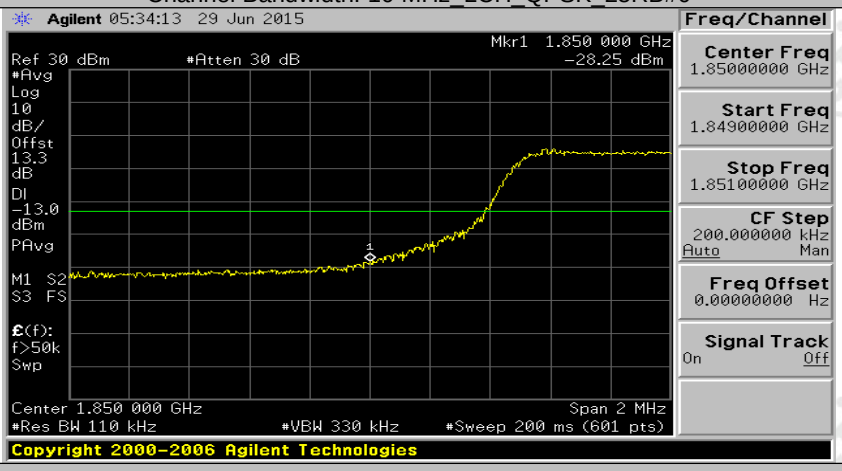
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



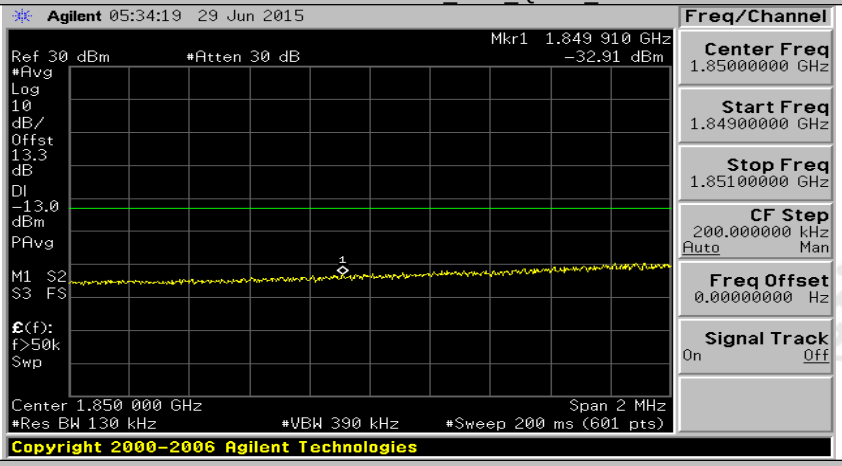
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



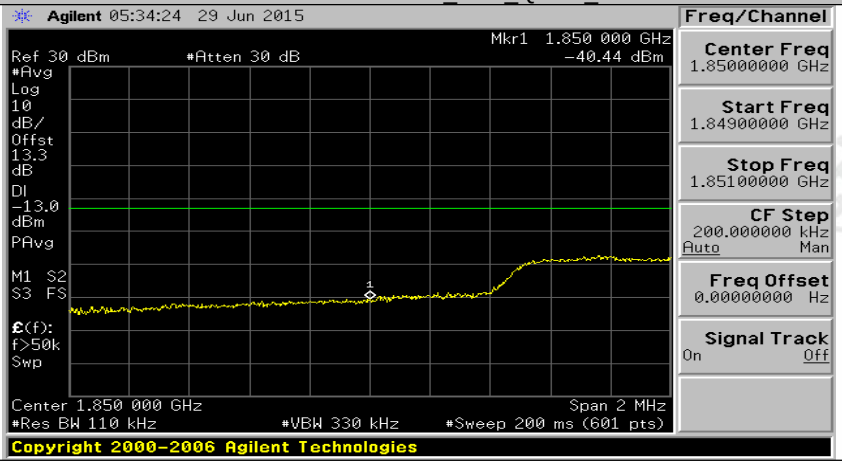
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



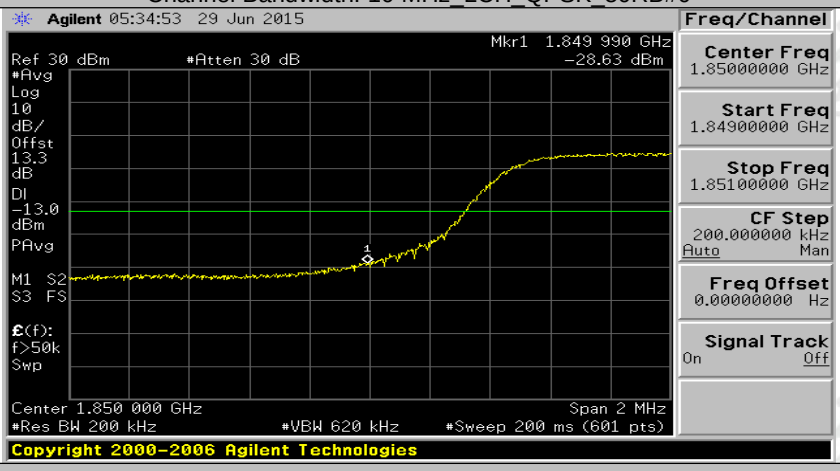
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



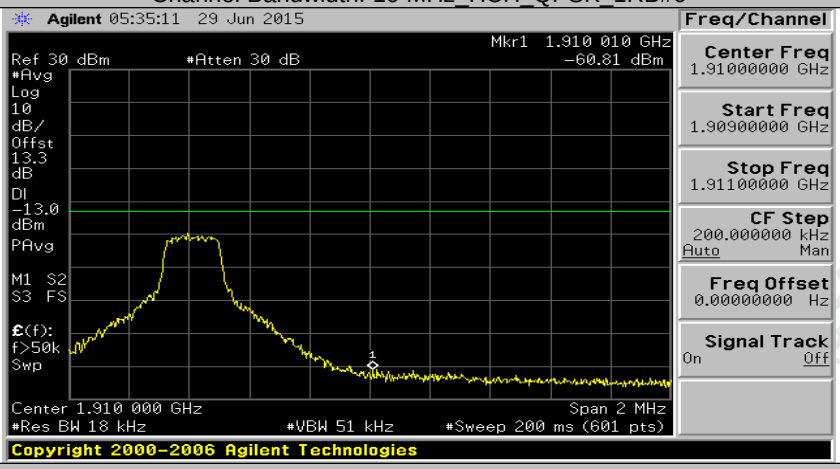
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



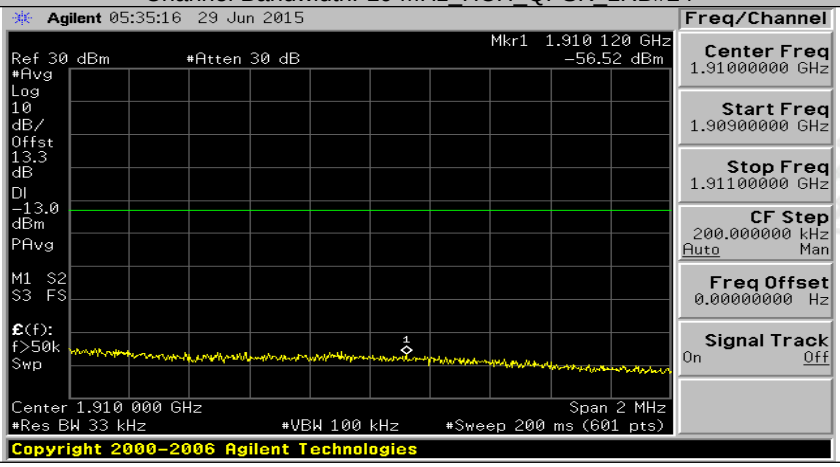
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



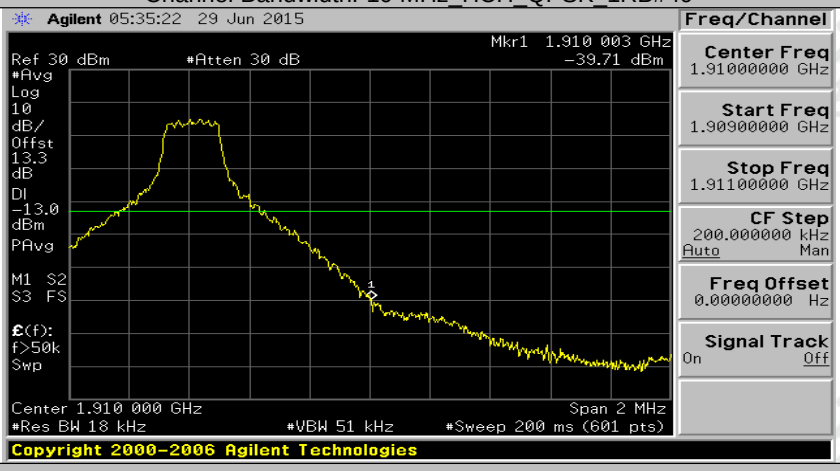
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



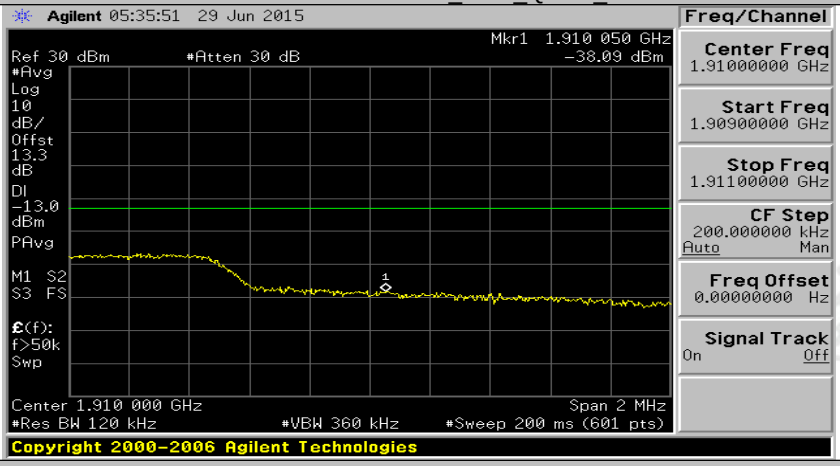
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



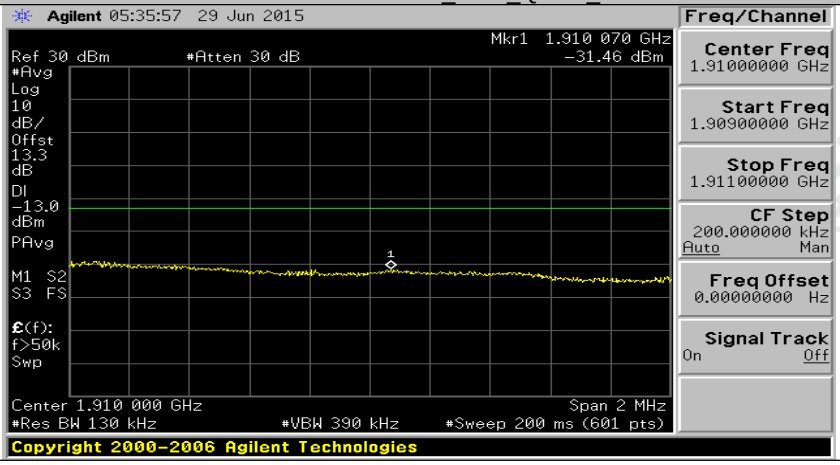
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



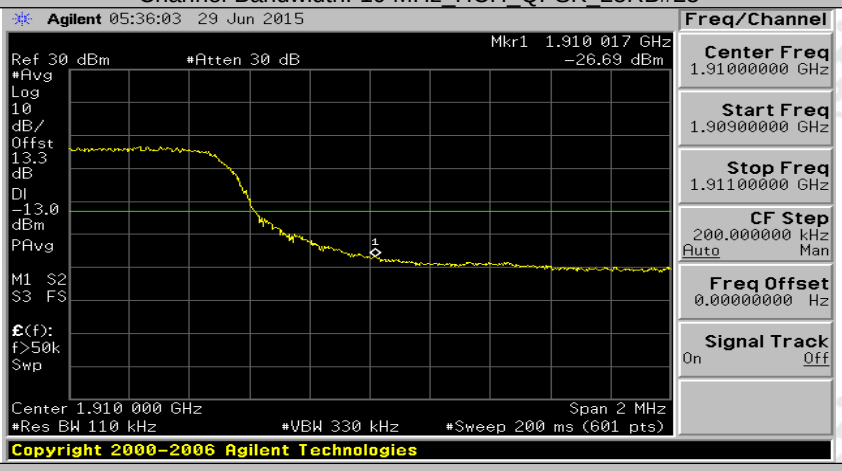
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



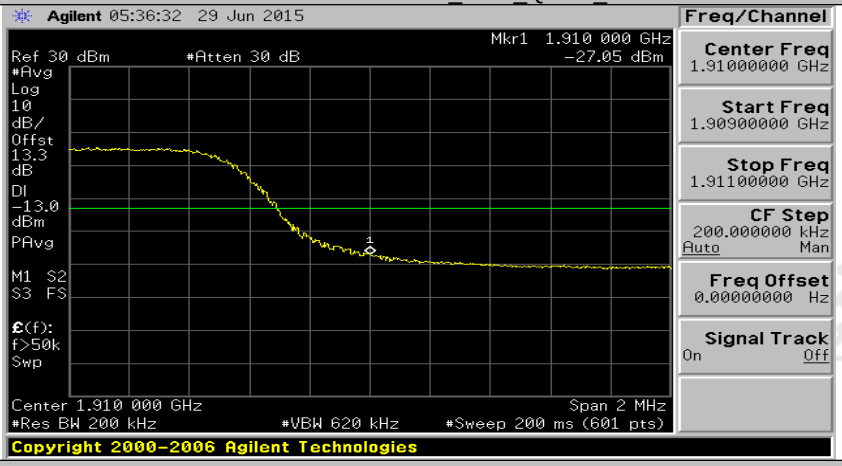
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



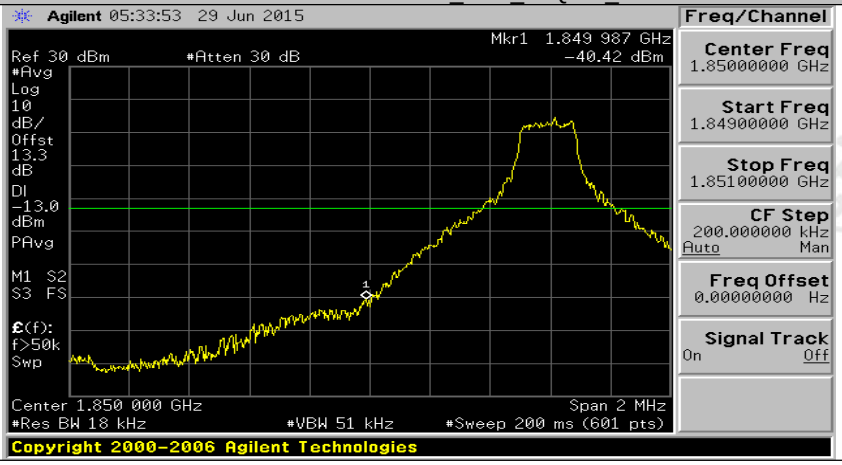
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



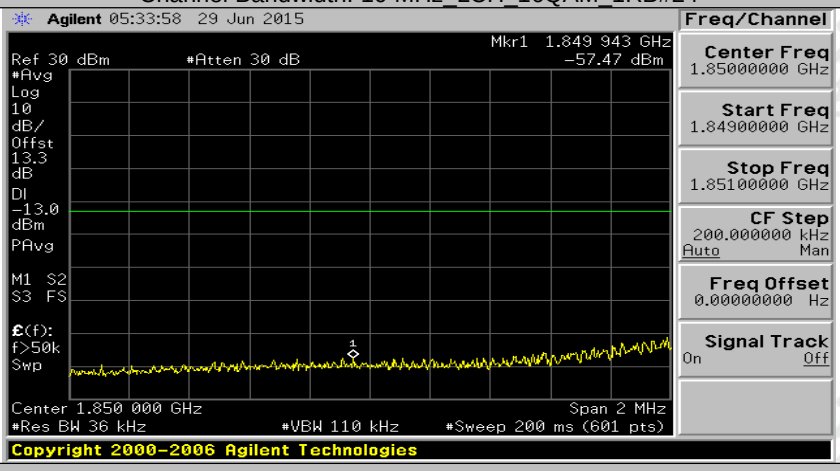
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



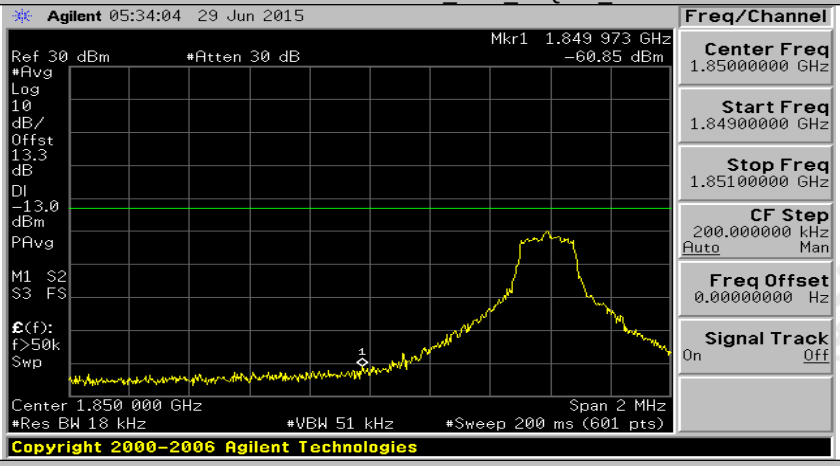
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



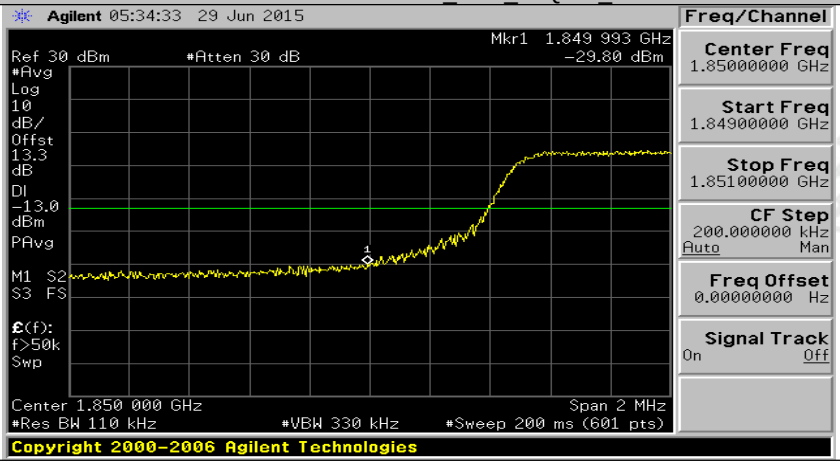
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



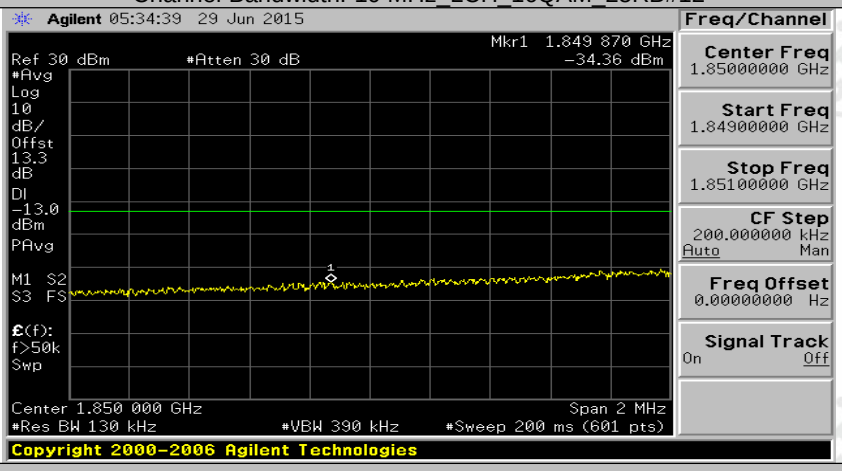
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



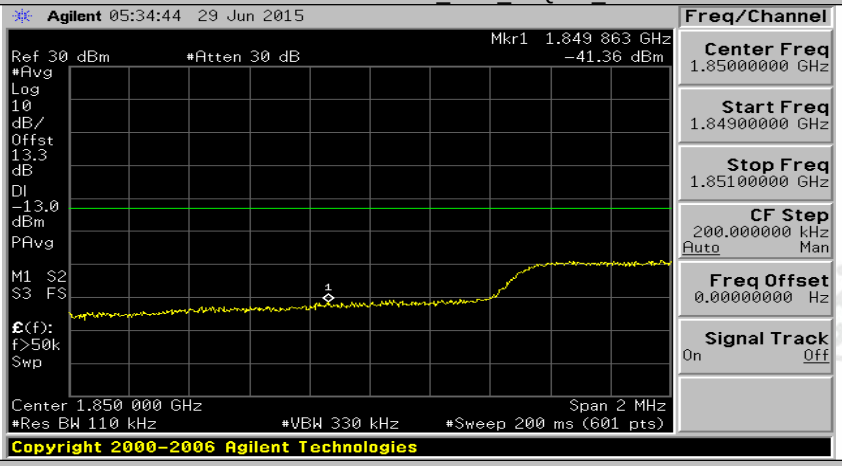
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



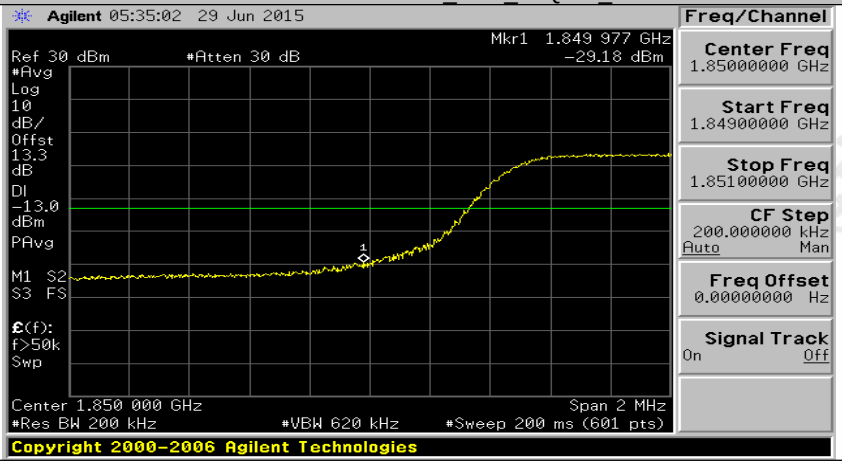
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



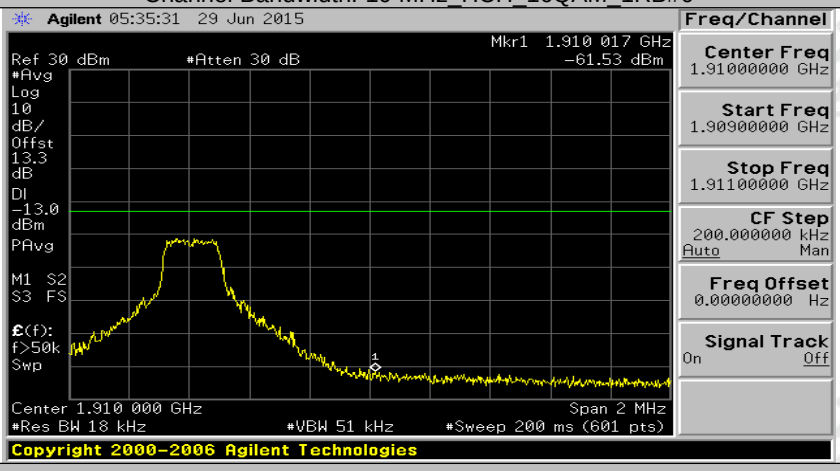
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



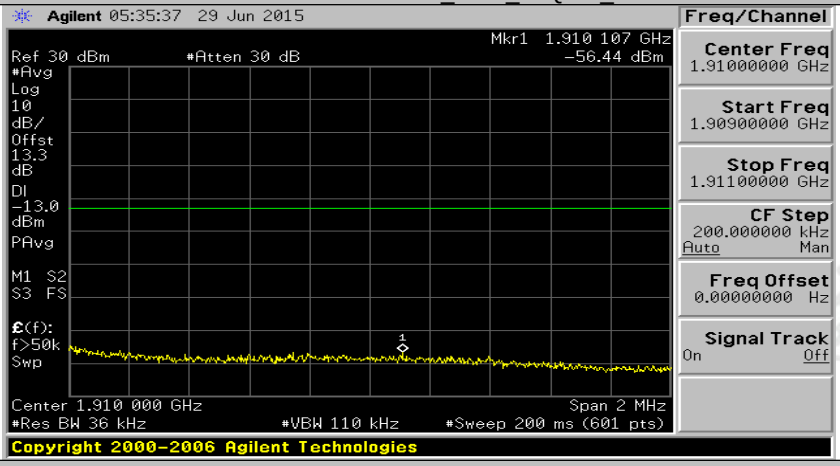
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



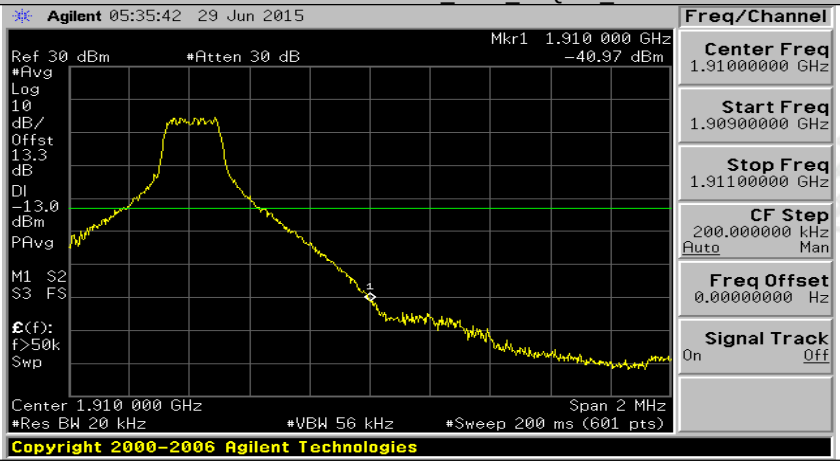
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



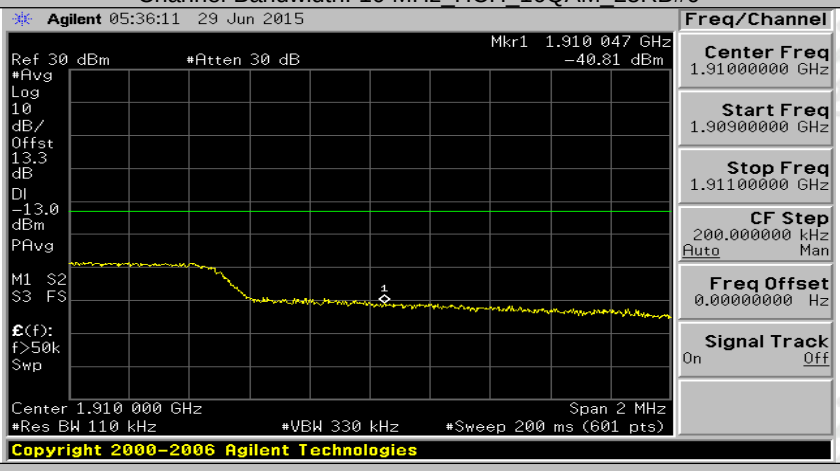
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



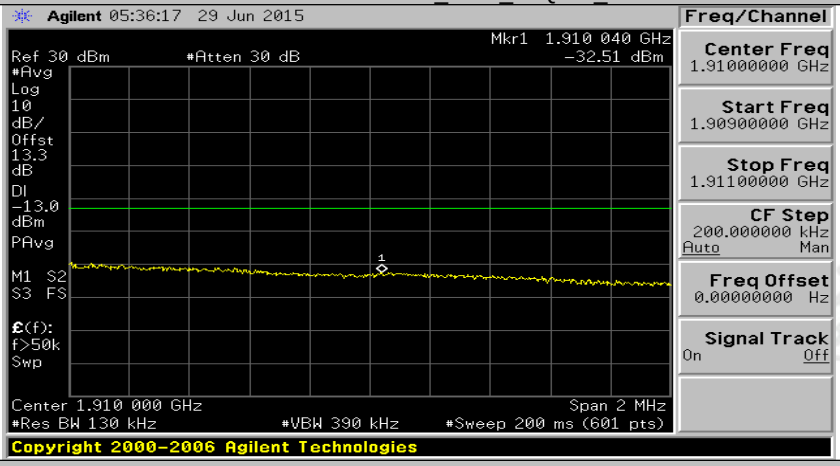
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



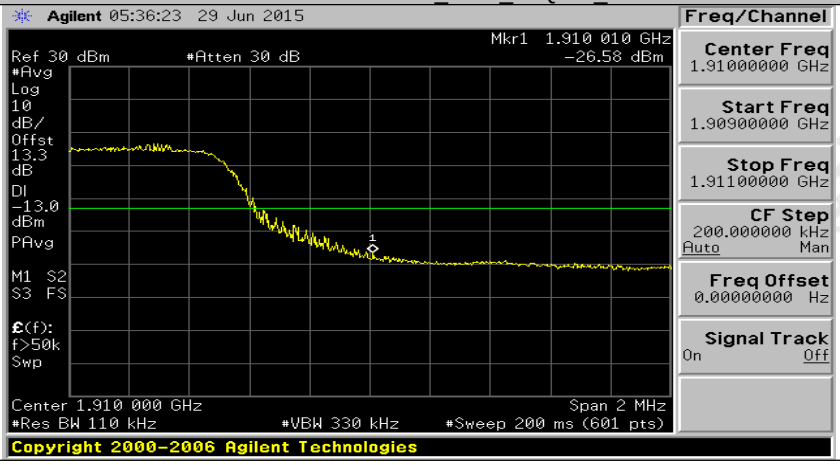
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



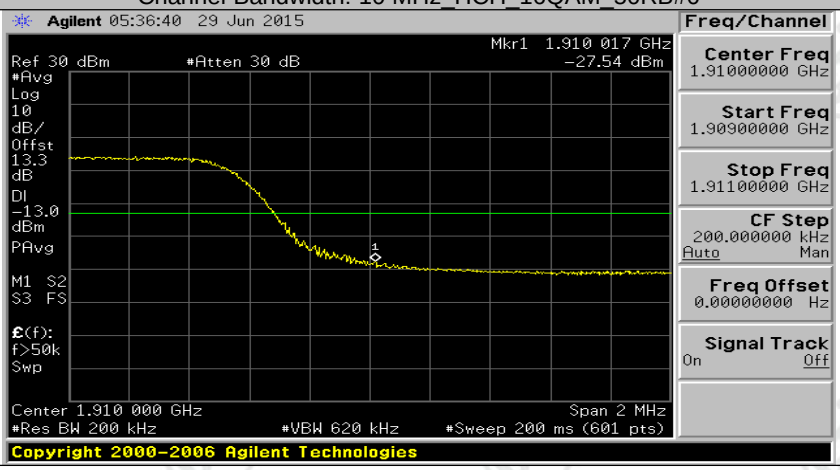
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

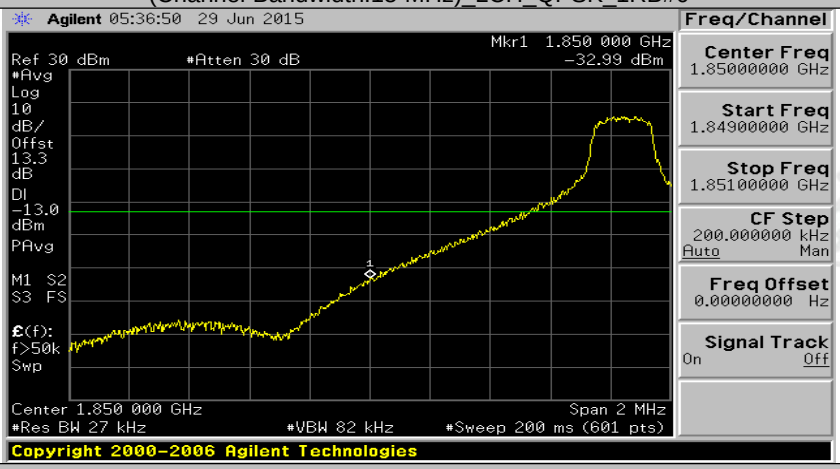


Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

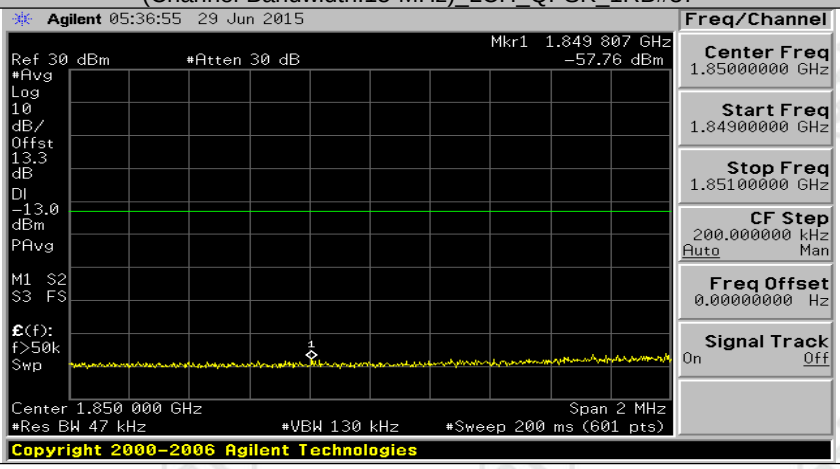


Channel Bandwidth: 15 MHz

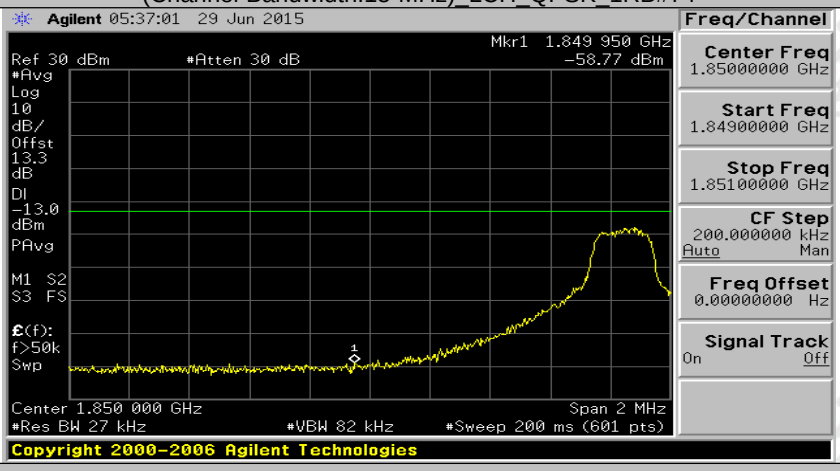
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



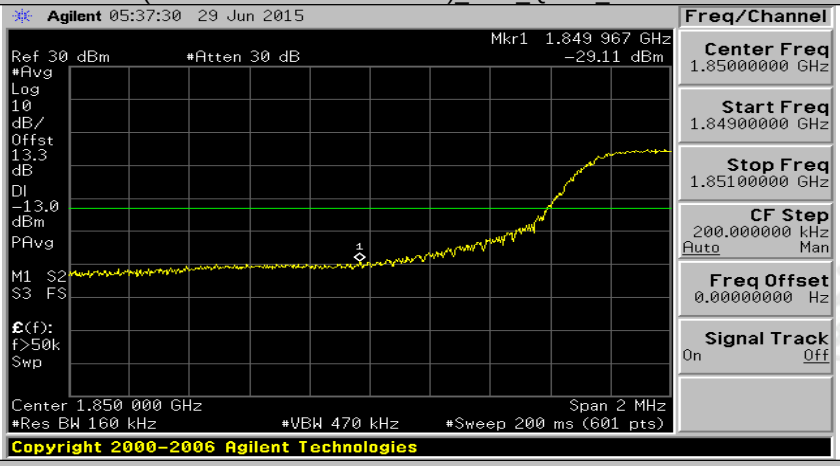
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



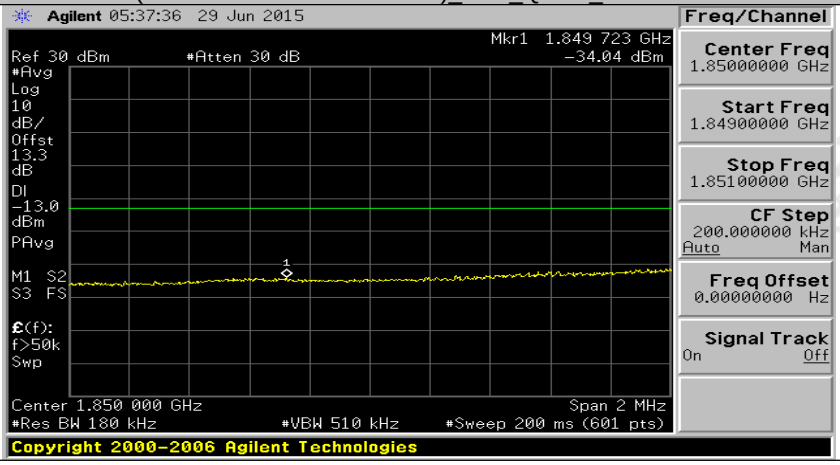
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



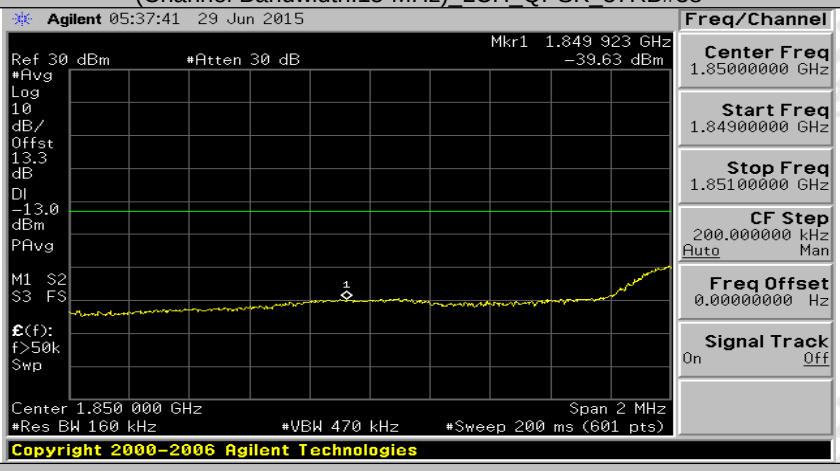
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



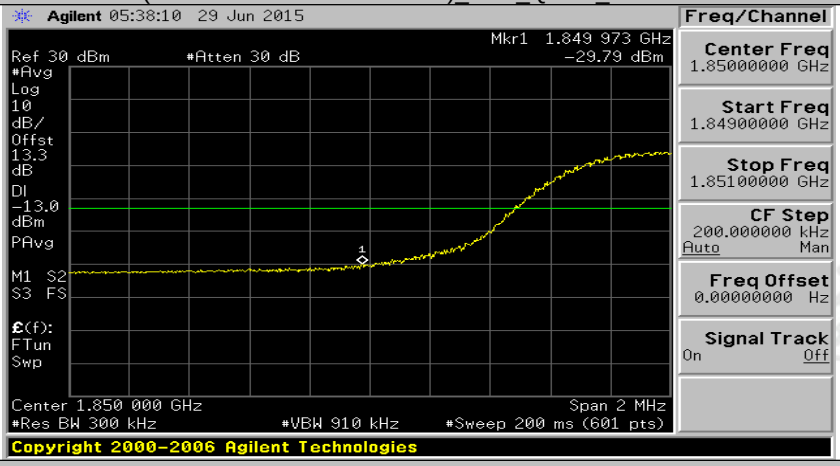
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



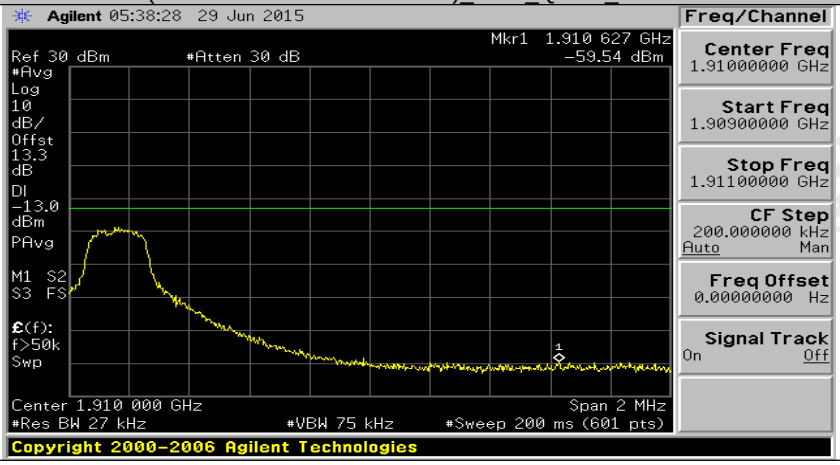
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



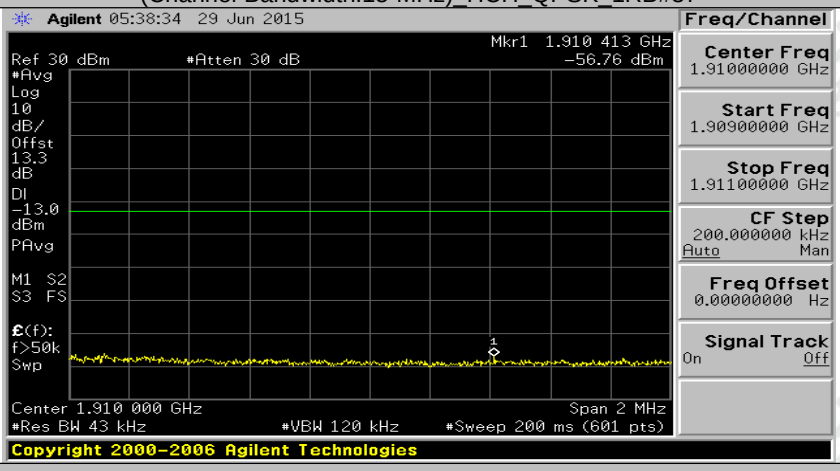
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



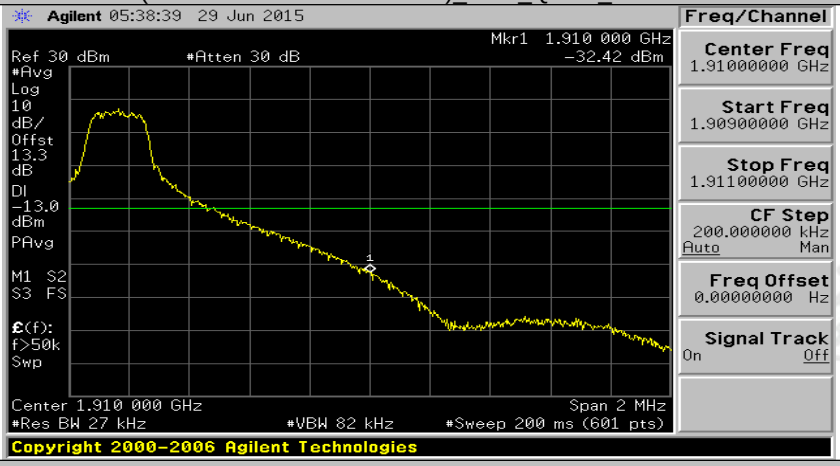
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



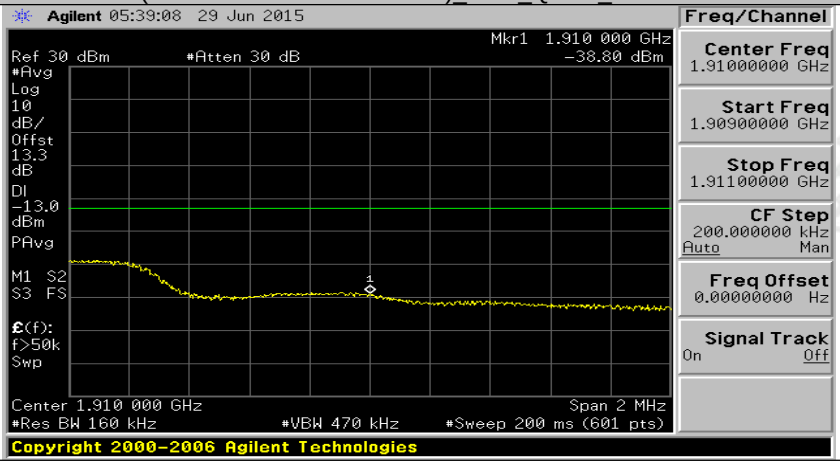
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



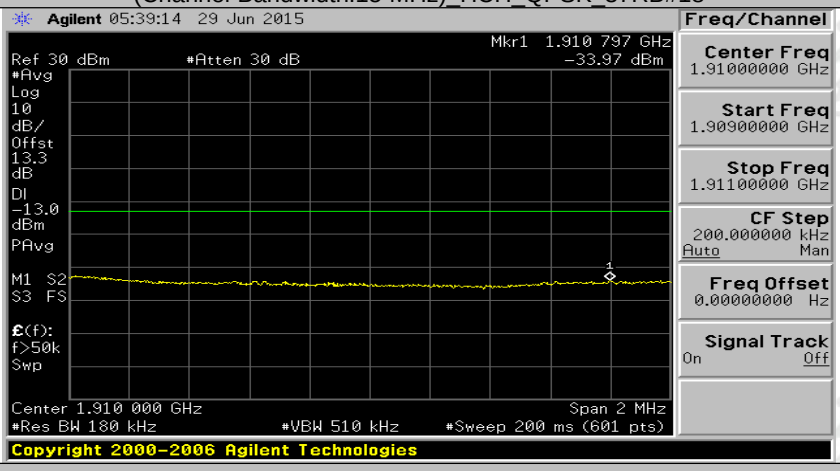
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



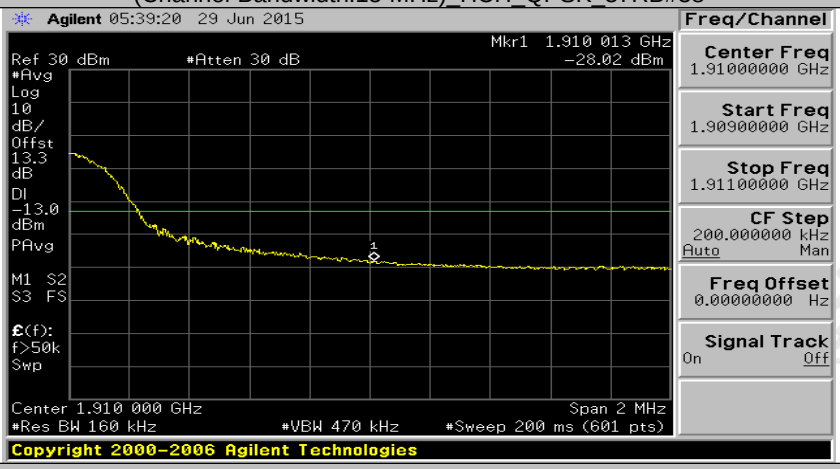
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



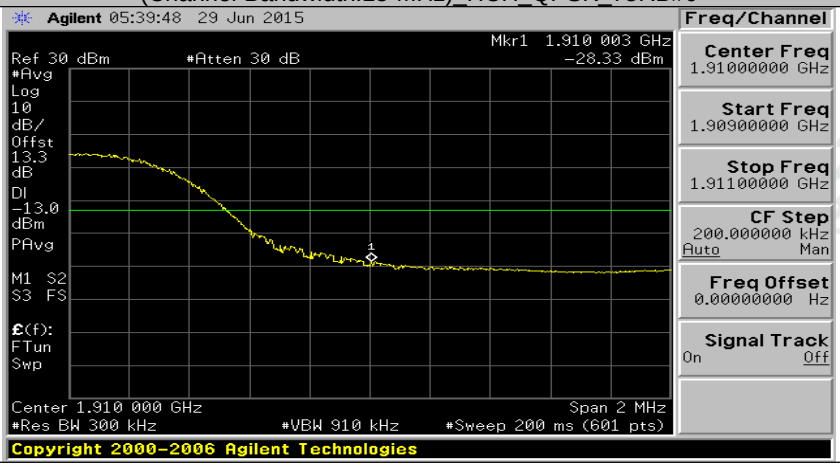
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



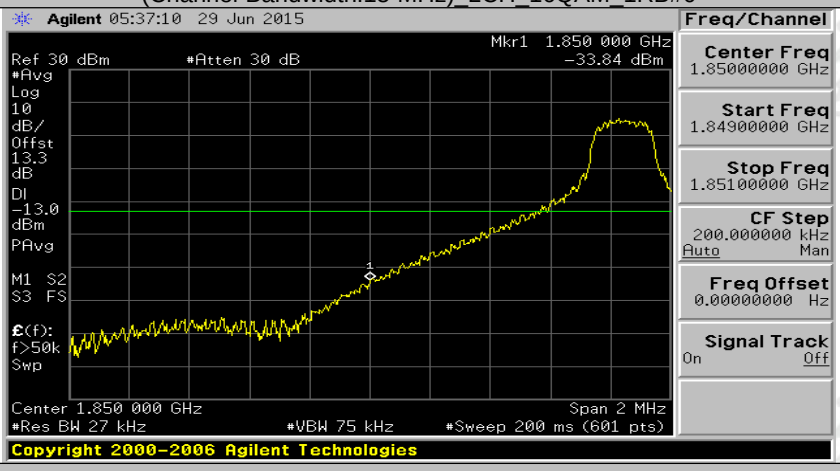
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



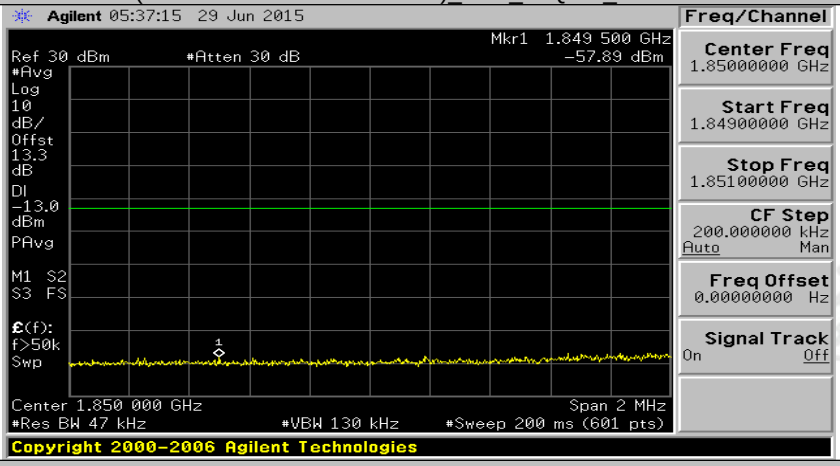
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



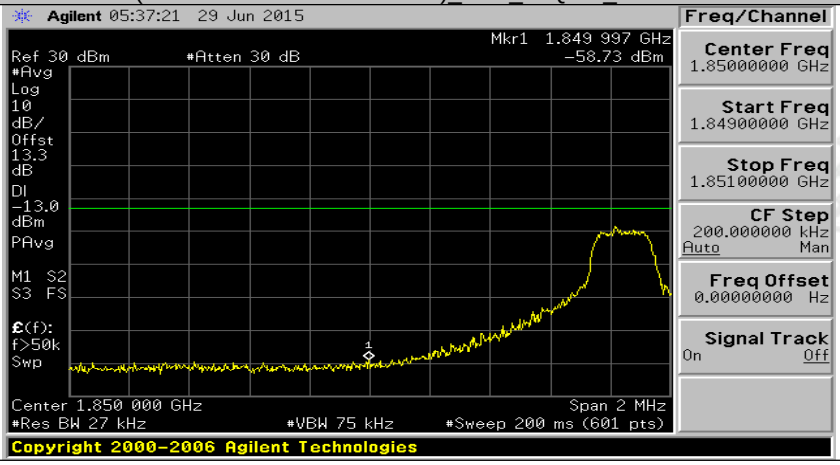
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



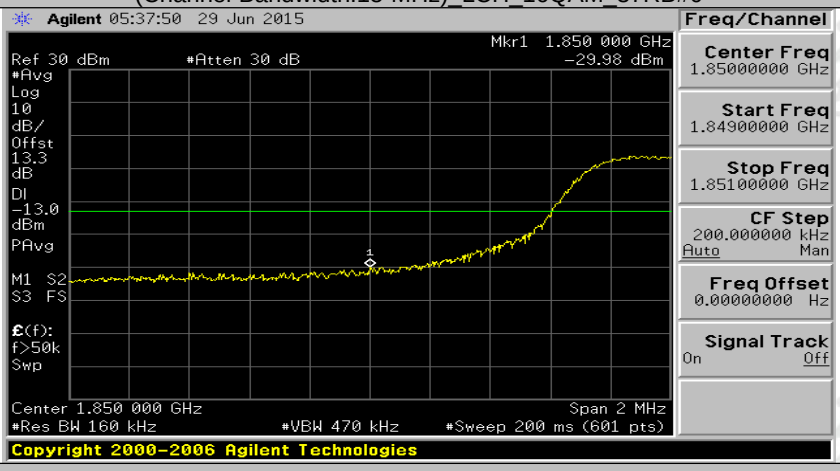
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



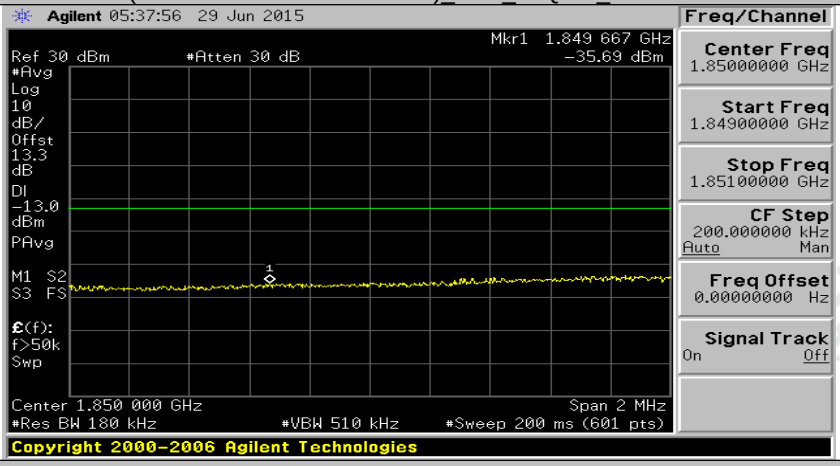
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



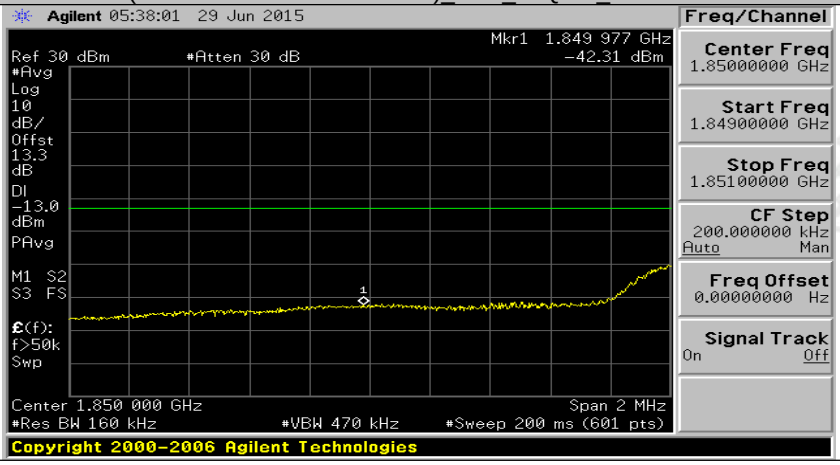
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



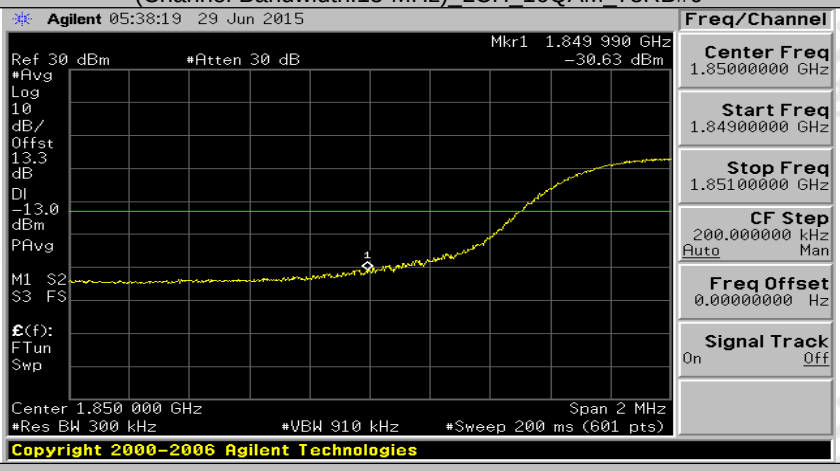
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



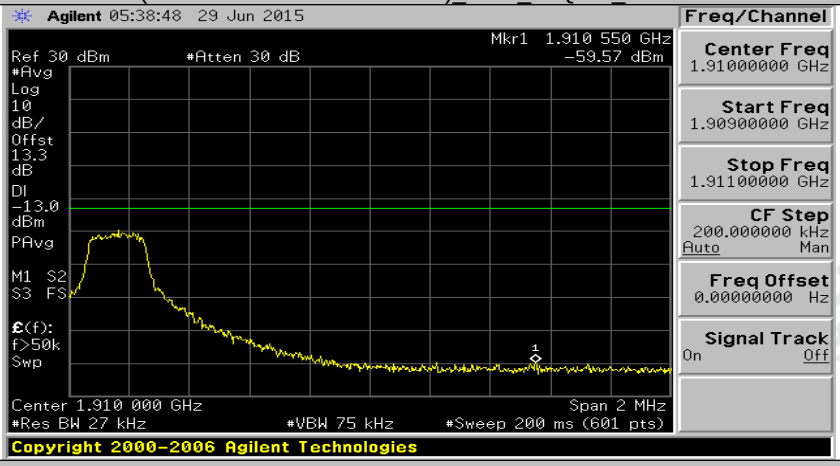
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



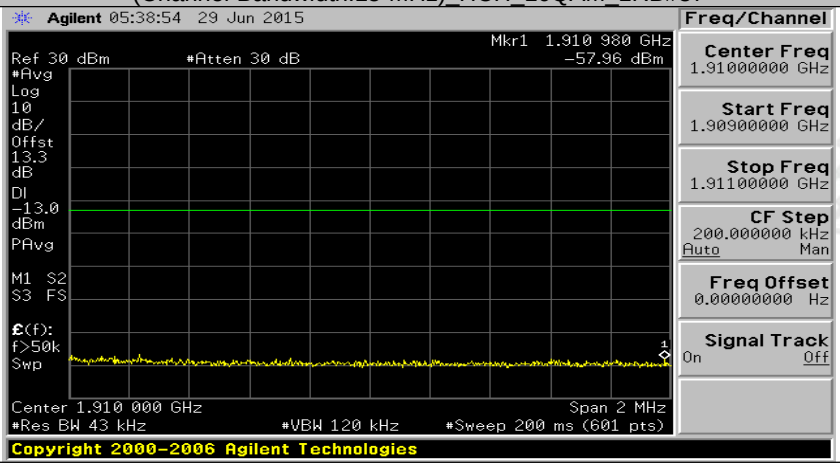
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



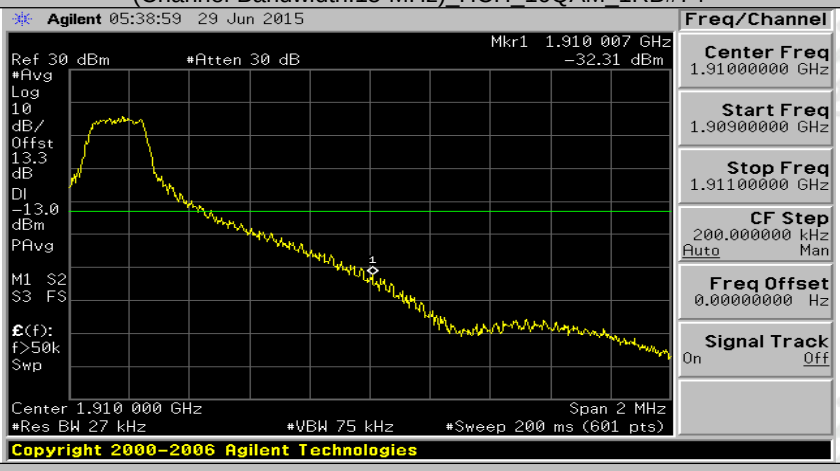
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



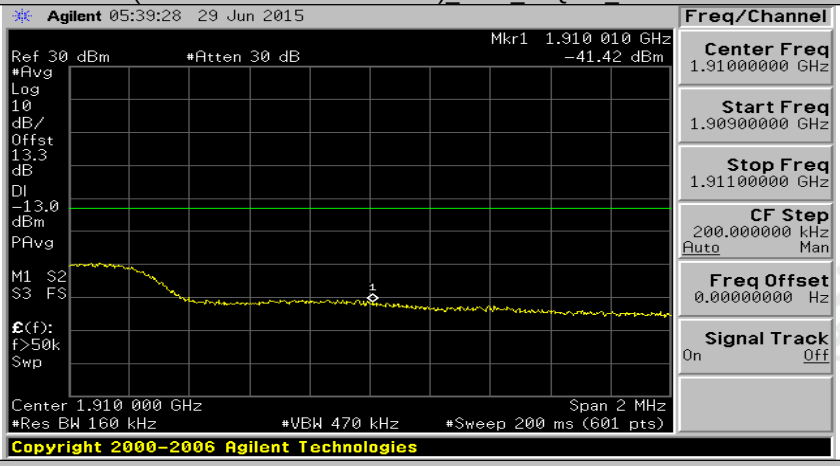
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



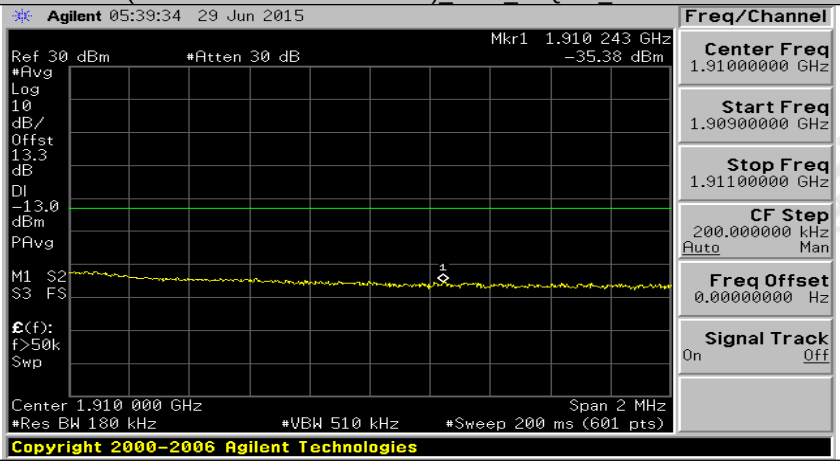
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



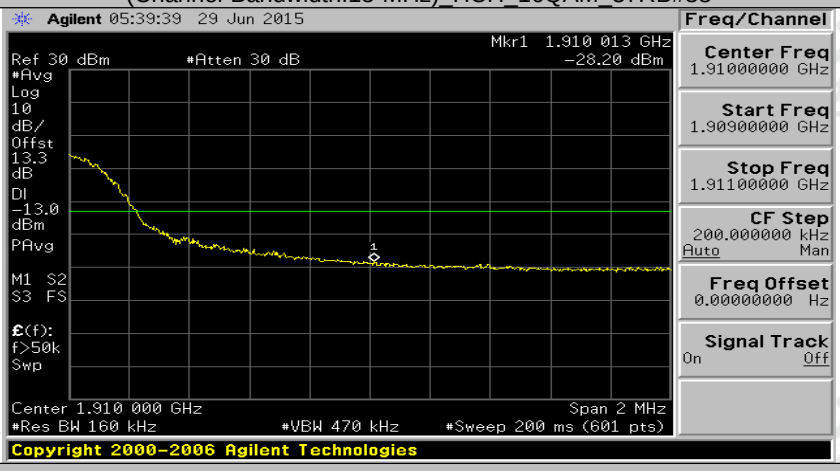
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



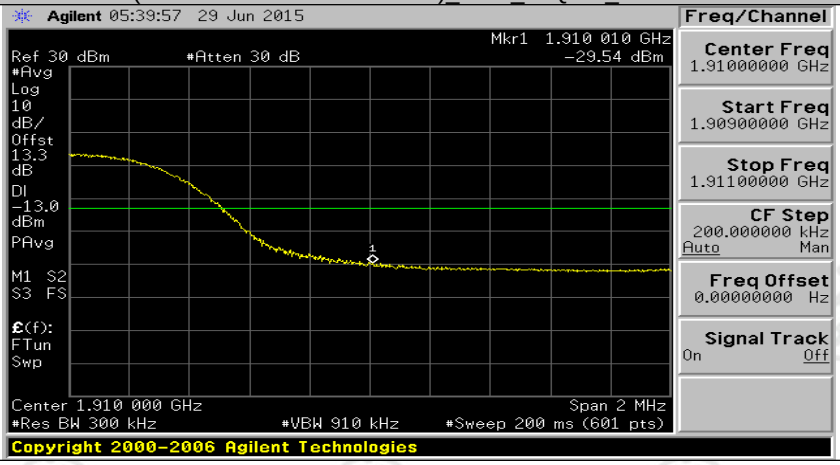
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

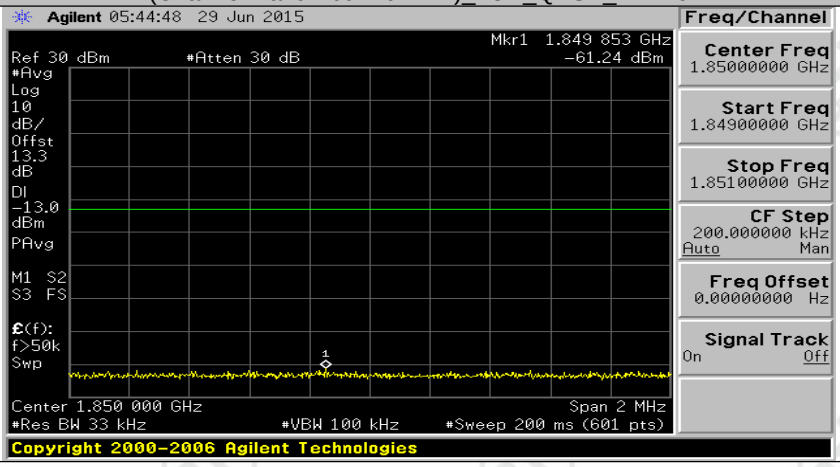


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

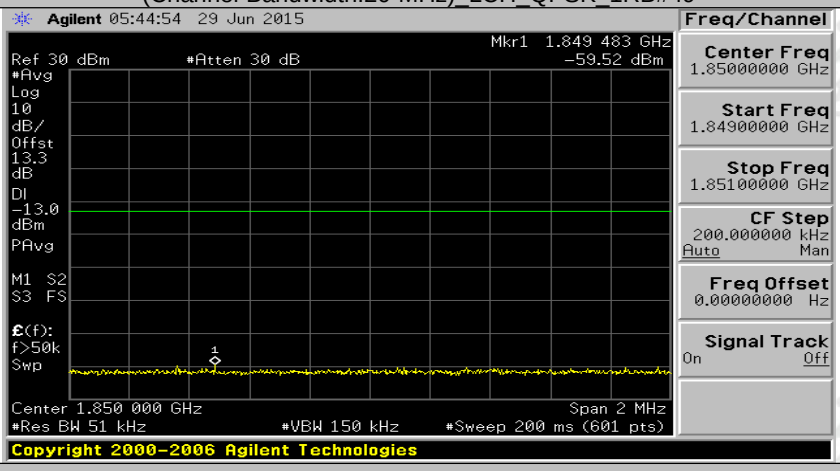


Channel Bandwidth: 20 MHz

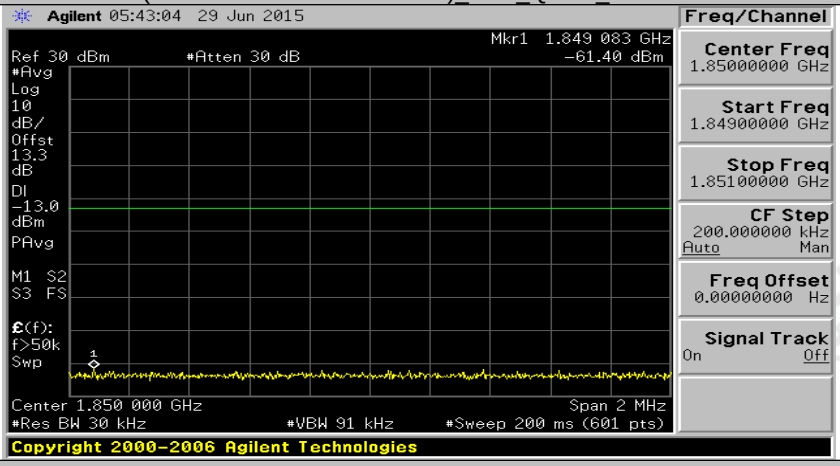
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



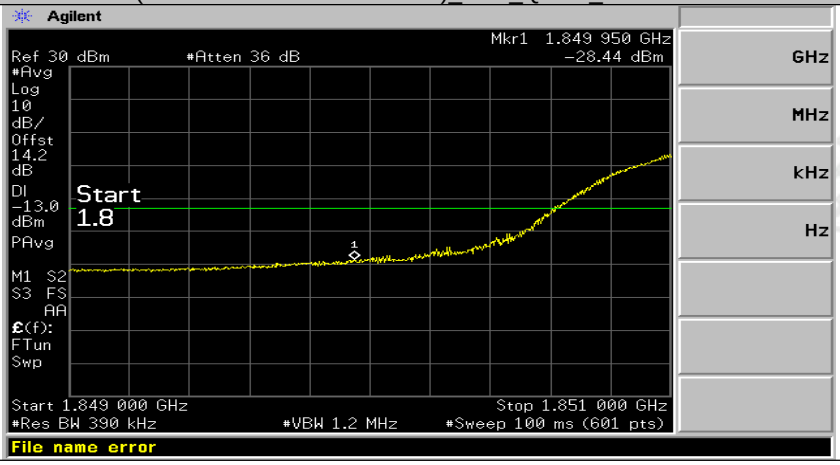
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



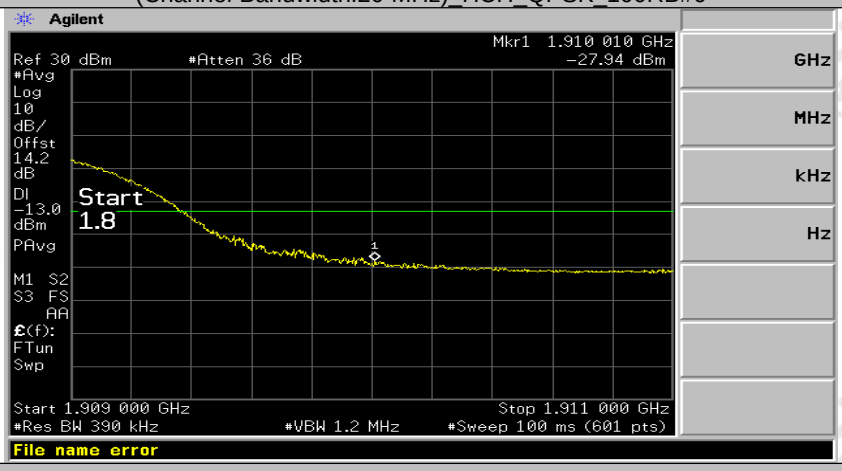
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



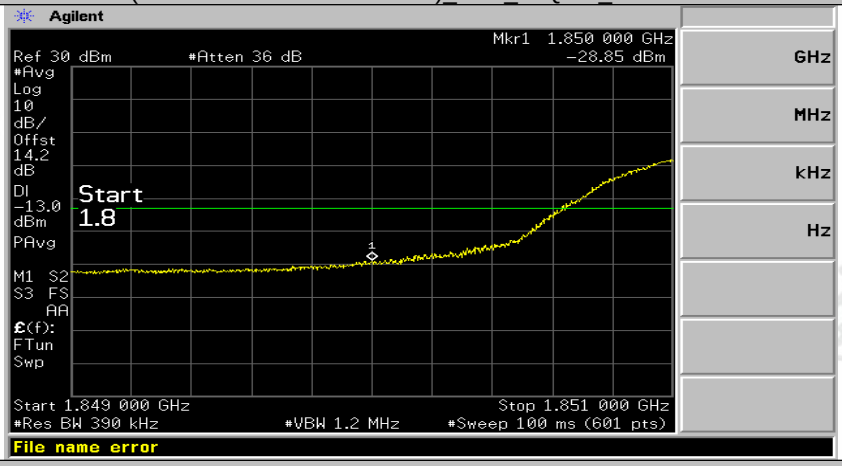
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0