APPLICATION FOR CERTIFICATION

On Behalf of

Cregle Inc.

CregleBook

Model No.：CB1101

FCC ID：ZOBCB1101

Brand: Cregle

Prepared for : Cregle Inc.
4000 Legato Road, Suite 1100, Fairfax, VA

Prepared By : AUDIX Technology Corporation
EMC Department
No. 53-11, Tin-Fu Tsun, Lin-Kou,
Taipei, Taiwan.

Tel : (02) 2609-9301, 2609-2133
Fax: (02) 2609-9303

File Number	:	C1M1106165
Report Number	:	EM-F1000700
Date of Test	:	Jul. 18 ~ 28, 2011
Date of Report	:	Aug. 03, 2011

TABLE OF CONTENTS

TEST REPORT CERTIFICATION

Applicant	:	Cregle Inc.
Manufacturer	:	INVENTEC BESTA Co., Ltd.
EUT Description	:	CregleBook
FCC ID	:	**ZOBCB1101**
		(A) Model No. : CB1101
		(B) Serial No. : N/A
		(C) Brand : Cregle
		(D) Power Supply : DC 12V
		(E) Test Voltage : AC 120V/60Hz Via AC Adapter

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART C, Oct. 2010
AND ANSI C63.4/2003

(FCC CFR 47 Part 15C, §15.207 and §15.209 and §15.247)

The device described above was tested by AUDIX Technology Corporation to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 subpart C limits.

The measurement results are contained in this test report and AUDIX Technology Corporation is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX Technology Corporation.

Date of Test : Jul. 18 ~ 28, 2011 Date of Report : Aug. 03, 2011

Producer : _____
(Tina Huang/Administrator)

Signatory : _____
(Leon Liu/Deputy General Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	CregleBook (The EUT is built-in IEEE 802.11b/g/n + 802.15 BT combo card, this report for wireless LAN, the Bluetooth is tested in other report of EM-F1000701)
Model Number	:	CB1101
Serial Number	:	N/A
Brand	:	Cregle
IC	:	ZOBCB1101
Applicant	:	Cregle Inc. 4000 Legato Road, Suite 1100, Fairfax, VA
Manufacturer	:	Cregle Inc. 10FL., No. 36, Lane 513, Rui Guang Road, Nei Hu Dist., Taipei, Taiwan, R.O.C.
WLAN 802.11b/g/n + BT 2.1 EDR combo Slim Module (1T1R)	:	msi, M/N: MS-3871
Fundamental Range	:	2400MHz ~ 2483.5MHz
Frequency Channel	:	802.11b/g: 11 channels 802.11n-HT20: 11 channels 802.11n-HT40: 7 channels
Radio Technology	:	802.11b: DSSS Modulation (DBPSK/DQPSK/CCK) 802.11g/n: OFDM Modulation (BPSK/QPSK/16QAM/64QAM)
Data Transfer Rate	:	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: 6.5 to 150Mbps
Antenna Gain	:	4.4dBi (Peak)

AC Adapter	:	ENERTRONIX, M/N EXA0801XA I/P: AC 100-240V, 50-60Hz, 1.0A O/P: 12V, 3.0A DC Cord: Non-Shielded, Undetached, 1.8m Bonded a ferrite core AC Cord: Non-Shielded, Detached, 0.8m (2 Pin) Bonded a ferrite core
Date of Receipt of Sample	:	Jun. 16, 2011
Date of Test	:	Jul. 18 ~ 28, 2011

1.2. Data Rate Relative to Output Power

802.11b			
Channel	Modulation	Date Rate(Mbps)	Power(dBm)
1	DBPSK	1	17.055
1	DQPSK	2	17.023
1	CCK	5.5	17.022
1	CCK	11	16.986

802.11g			
Channel	Modulation	Date Rate(Mbps)	Power(dBm)
1	BPSK	6	14.016
1	BPSK	9	14.011
1	QPSK	12	14.002
1	QPSK	18	13.996
1	16-QAM	24	13.991
1	16-QAM	36	13.986
1	64-QAM	48	13.982
1	64-QAM	54	13.980

802.11n-HT20			
Channel	Modulation	Date Rate(Mbps)	Power(dBm)
1	BPSK	MCS0	13.944
1	QPSK	MCS1	13.941
1	QPSK	MCS2	13.939
1	16-QAM	MCS3	13.931
1	16-QAM	MCS4	13.922
1	64-QAM	MCS5	13.918
1	64-QAM	MCS6	13.912
1	64-QAM	MCS7	13.903

802.11g-HT40			
Channel	Modulation	Date Rate(Mbps)	Power(dBm)
3	BPSK	MCS0	14.042
3	QPSK	MCS1	14.039
3	QPSK	MCS2	14.032
3	16-QAM	MCS3	14.021
3	16-QAM	MCS4	14.011
3	64-QAM	MCS5	14.004
3	64-QAM	MCS6	13.995
3	64-QAM	MCS7	13.990

1.3. Test Configuration for Each Test Item

Test Item	802.11b	802.11g	802.11n-HT20	802.11n-HT40
	Data Rate for Test(Mbps)			
6dB BW	1	6	6.5	13.5
Peak Power Spectral Density	1	6	6.5	13.5
Peak Output Power	1	6	6.5	13.5
Band Edge	1	6	6.5	13.5
99% BW	1	6	6.5	13.5
Conducted Spurious Emission	1	6	6.5	13.5
Radiated Spurious Emission	1	6	6.5	13.5

1.4. Tested Supporting System Details

【ONLY FOR CONDUCTED EMISSION MEASUREMENT】

1.4.1. USB MOUSE

Model Number	:	M056U0A
Serial Number	:	G0D038FE
FCC ID	:	By DoC
BSMI ID	:	R41108
Manufacturer	:	DELL (Brand: DELL)
Data Cable	:	Shielded, Undetachable, 1.8m

1.4.2. I-POD PLAYER

Model Number	:	A1204
Serial Number	:	4H722T84VTE
BSMI ID	:	R33057
Manufacturer	:	APPLE
USB Data Cable	:	Shielded, Undetachable, 1m

1.4.3. EARPHONE

Model Number	:	N/A
Serial Number	:	N/A
Manufacturer	:	APPLE
Earphone Cable	:	Non-Shielded, Detachable, 0.9m

1.4.4. BLUETOOTH EARPHONE

Model Number	:	IH-05
Serial Number	:	N/A
Manufacturer	:	Innostar (Brand: Innostar)
FCC ID	:	UU9MBH200

1.4.5. SD CARD (INSTALL IN EUT)

Model Number	:	AP-SDC51201AC0G
Serial Number	:	390619200000
Manufacturer	:	Apacer
Capacity	:	512MB

1.5. Description of Test Facility

Name of Firm	:	**AUDIX Technology Corporation** EMC Department No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan
Test Site (C3/Semi-AC)	:	**No. 3 Shielded Room** No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan **Semi-Anechoic Chamber** No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan Federal Communication Commission Registration Number: 90993 Date of Renewal: May 14, 2009
NVLAP Lab. Code	:	200077-0
TAF Accreditation No	:	1724

1.6. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB), (V/m)
Conduction Test	150kHz~30MHz	±1.73dB
Radiation Test (Distance: 3m)	30MHz~300MHz	± 2.91dB
	300MHz~1000MHz	± 2.74dB
	Above 1GHz	± 5.02dB

Remark：Uncertainty = $ku_c(y)$

Test Item	Uncertainty
6dB Bandwidth	± 0.05kHz
Emission Limitations	± 0.13dB
Maximum peak output power	± 0.33dBm
Band edges	± 0.13dB
Power spectral density	± 0.13dB

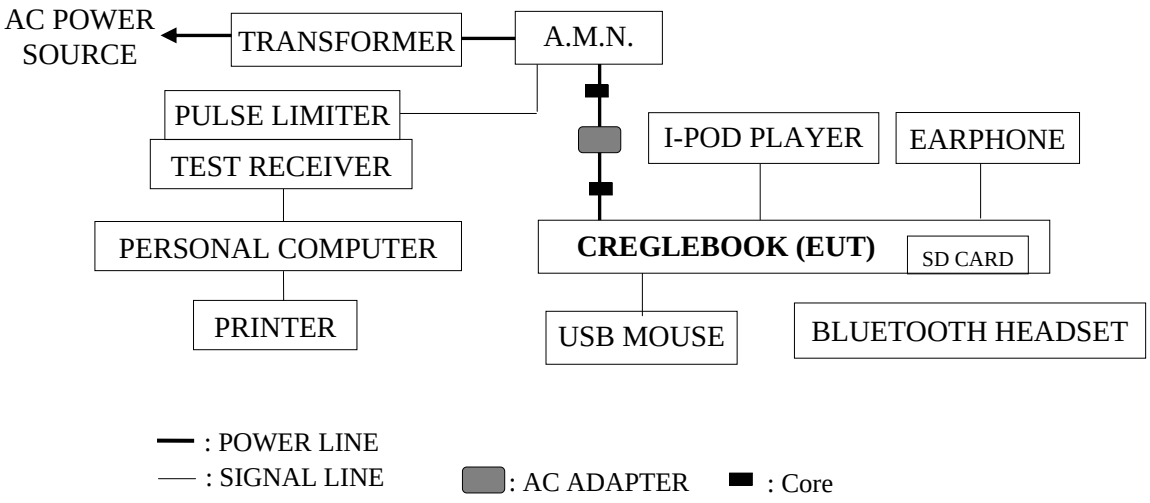
2. CONDUCTED EMISSION MEASUREMET

2.1. Test Equipment

The following test equipment was used during the conducted emission measurement：
(No. 3 Shielded Room)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESCS30	100337	Apr. 11, 11’	Apr. 10, 12’
2.	A.M.N.	Kyoritsu	KNW-244C	8-1373-5	Jul. 14, 11’	Jul. 13, 12’
4.	Pulse Limiter	R & S	ESH3Z2	100041	Feb. 01, 11’	Jan. 31, 12’

2.2. Block Diagram of Test Setup



2.3. Powerline Conducted Emission Limit (§15.207, Class B)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dBμV	56 ~ 46 dBμV
500kHz ~ 5MHz	56 dBμV	46 dBμV
5MHz ~ 30MHz	60 dBμV	50 dBμV

Remark 1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.
2.: The lower limit applies at the band edges.

2.4. Operating Condition of EUT

2.4.1. Set up the EUT and simulator as shown on 2.2.

2.4.2. Turn on the power of all equipment.

2.4.3. The Wireless LAN+BT combo slim module was installed in the CregleBook (EUT), the CregleBook was running test program "Ralink Wireless Utility" and to set the EUT on transmitting and receiving during all testing.

2.4.4. The other peripheral devices were driven and operated in turn during all testing.

2.5. Test Procedure

The EUT was put on table which was above the ground by 80cm and its AC adapter's power cord connected to the AC mains through an Artificial Mains Network (A.M.N.). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)
Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables should be manipulated according to FCC ANSI C63.4-2003 regulation during conducted measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 9kHz.

The frequency range from 150kHz to 30MHz was checked.

All the final readings from Test Receiver were measured with the Quasi-Peak detector and Average detector. Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

2.6. Conducted Emission Measurement Results

PASSED.
(All the emissions not reported below are too low against the prescribed limits.)

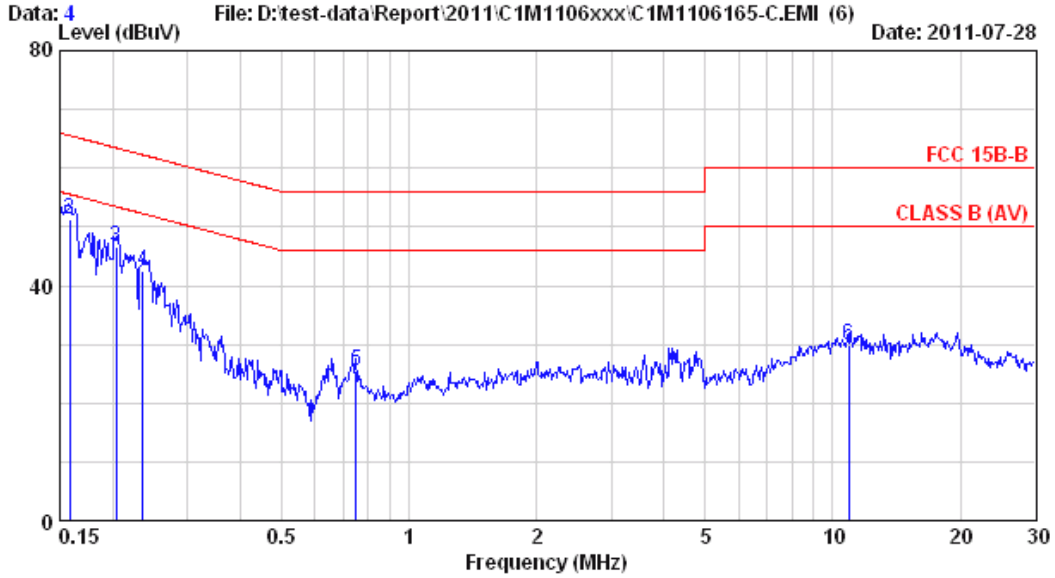
The EUT was performed during this section testing and all the test results are attached in next pages.

EUT：CregleBook M/N：CB1101

Test Date：Jul. 28, 2011 Temperature：25℃ Humidity：52%

Reference Test Data：Neutral # 4; Line # 3

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com

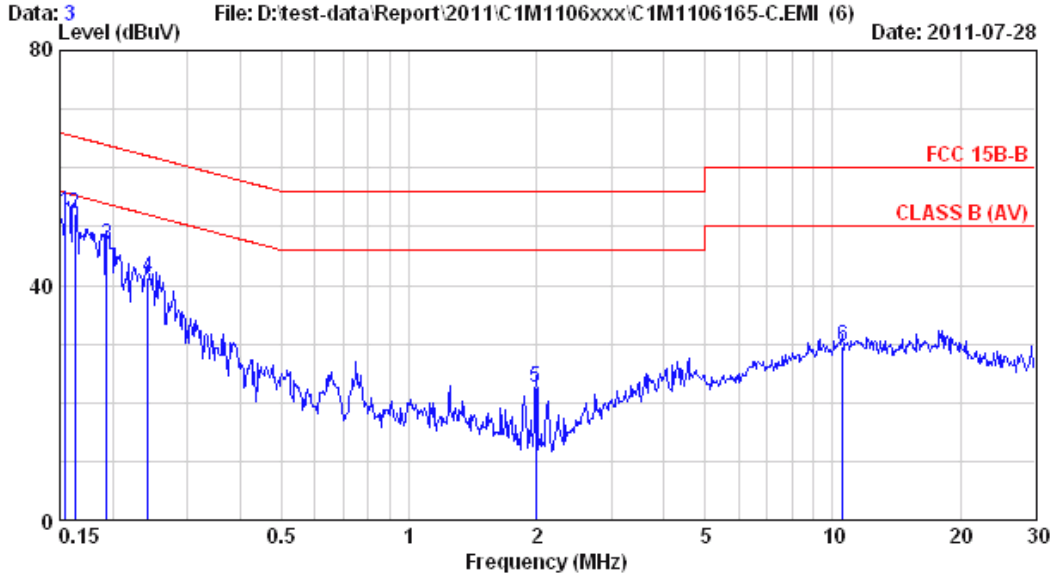


Site : No.3 Shielded Room Data : 4
Condition : KNW-244C Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 25*C / 52% ESCS 30 (337) Engineer: Edward
EUT M/N : CB1101
Power Rating : 120Vac / 60Hz
Test Mode : Operating

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.150	0.14	0.20	51.81	52.15	66.00	13.85	QP
2	0.158	0.13	0.20	50.96	51.29	65.56	14.27	QP
3	0.204	0.10	0.20	46.17	46.47	63.45	16.98	QP
4	0.235	0.10	0.20	42.17	42.47	62.26	19.79	QP
5	0.751	0.10	0.20	25.22	25.52	56.00	30.48	QP
6	10.905	0.32	0.70	28.98	30.00	60.00	30.00	QP

Remarks: 1.Emission Level= AMN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



Site : No.3 Shielded Room Data : 3
Condition : KNW-244C Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 25*C / 52% ESCS 30 (337) Engineer: Edward
EUT M/N : CB1101
Power Rating : 120Vac / 60Hz
Test Mode : Operating

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.155	0.14	0.20	52.25	52.59	65.74	13.15	QP
2	0.162	0.13	0.20	51.75	52.08	65.34	13.26	QP
3	0.193	0.10	0.20	46.54	46.84	63.89	17.04	QP
4	0.242	0.10	0.20	41.07	41.37	62.04	20.67	QP
5	1.991	0.10	0.40	21.97	22.47	56.00	33.53	QP
6	10.564	0.40	0.70	28.55	29.65	60.00	30.35	QP

Remarks: 1.Emission Level= AMN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipment was used during the radiated emission measurement:

3.1.1. For Frequency Range 30MHz~1000MHz (at Semi-Anechoic Chamber)

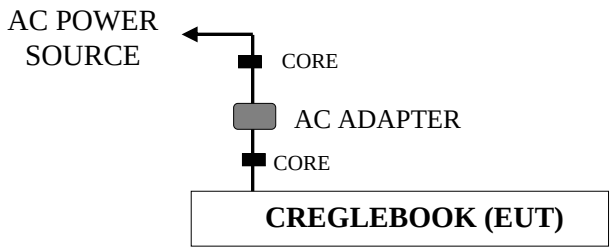
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’
2.	Test Receiver	R & S	ESCS30	100338	Jul. 12, 11’	Jul. 11, 12’
3.	Amplifier	HP	8447D	2944A06305	Feb. 10, 11’	Feb. 09, 12’
4.	Log Periodic Antenna	Schwarzbeck	UHALP 9108-A	0810	Mar. 08, 11’	Mar. 07, 12’
5.	Biconical Antenna	CHASE	VBA6106A	1264	Mar. 08, 11’	Mar. 07, 12’

3.1.2. For Frequency Above 1GHz (at Semi-Anechoic Chamber)

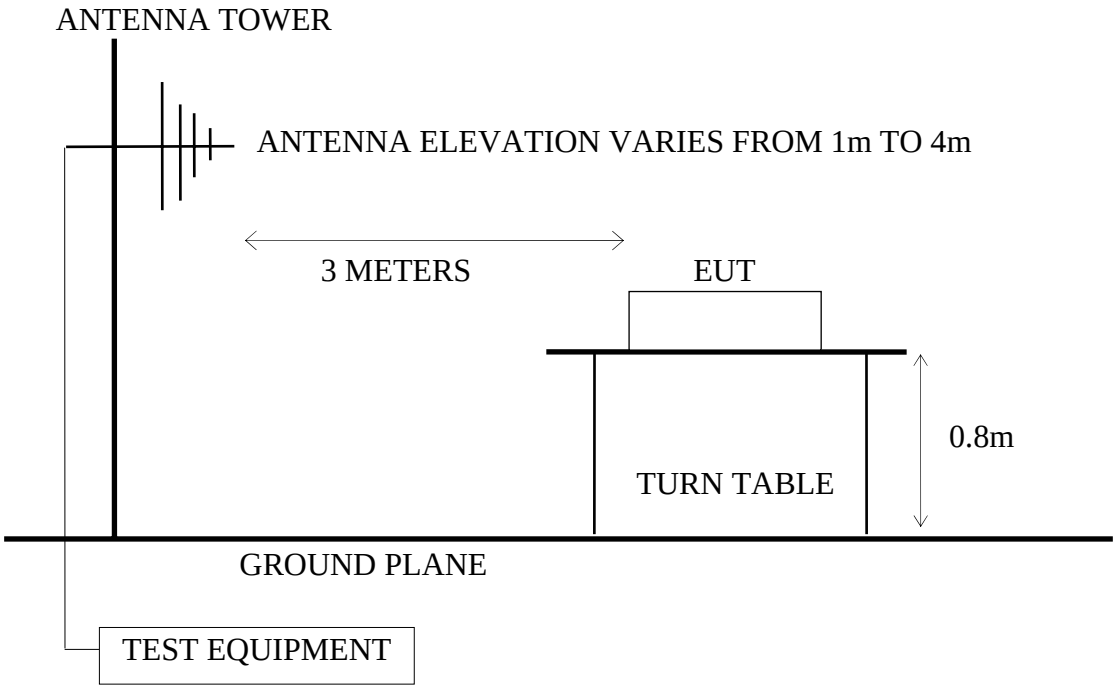
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’
2.	Test Receiver	R & S	ESCS30	100338	Jul. 12, 11’	Jul. 11, 12’
3.	Amplifier	HP	8449B	3008A00529	Dec. 10, 10’	Dec. 09, 11’
4.	Horn Antenna	EMCO	3115	9112-3775	May 09, 11’	May 08, 12’
5.	Horn Antenna	EMCO	3116	2653	Oct. 04, 10’	Oct. 03, 11’
6.	2.4GHz Notch Filter	EWT	EWT-14-0070-R1	G2	Dec. 05, 10’	Dec. 04, 11’
7.	3.5G High Pass Filter	HP	84300-80038	005	Jan. 05, 11’	Jan. 04, 12’

3.2. Test Setup

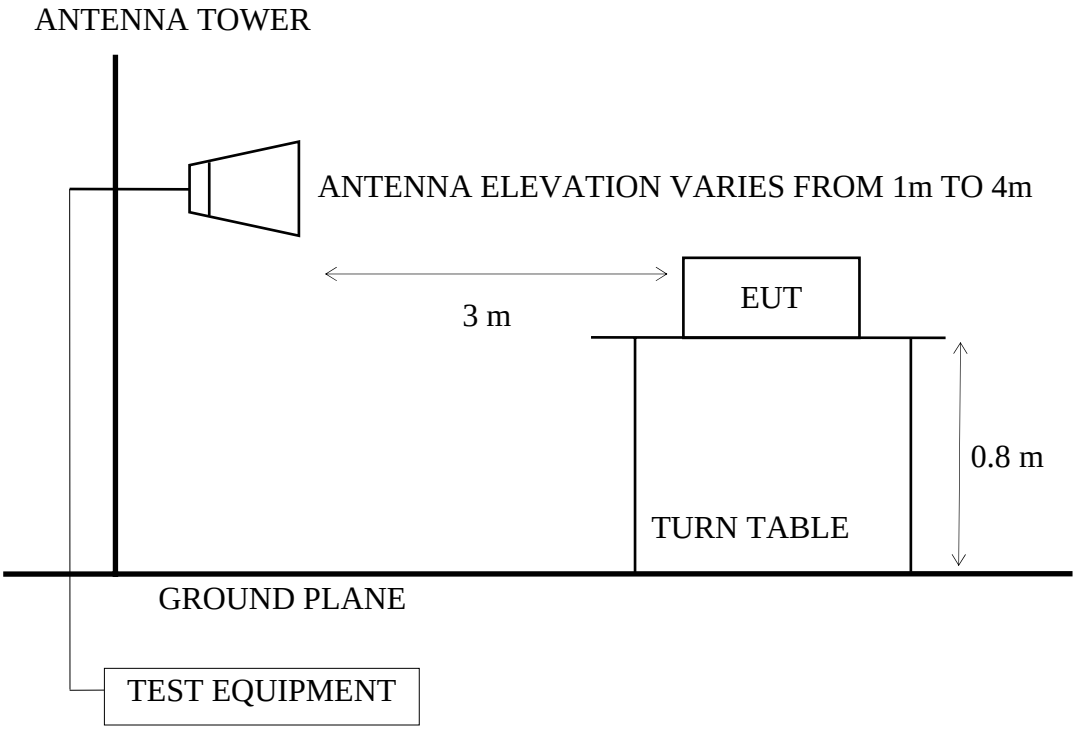
3.2.1. Block Diagram of connection between EUT and simulators



3.2.2. Semi-Anechoic Chamber (3m) Setup Diagram for 30-1000MHz



3.2.3. Semi-Anechoic Chamber (3m) Setup Diagram for above 1GHz



3.3. Radiated Emission Limits (§15.209)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMITS	
		μV/m	dBμV/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0
Above 1000	3	74.0 dBμV/m (Peak) 54.0 dBμV/m (Average)	

Remark：(1) Emission level (dBμV/m) = 20 log Emission level (μV/m)
(2) The tighter limit applies at the edge between two frequency bands.
(3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
(4) The limits in this table are based on CFR 47 Part 15.205(a)(b) and Part 15.209 (a).
(5) The over 1GHz limit, FCC limit is used based on CFR 47 Part 15.35(b) and Part 15.205(b) & Part 15.209(e) and Part 15.207(c).

3.4. Operating Condition of EUT

3.4.1. Set up the EUT (CregleBook) and simulator as shown on 3.2.

3.4.2. To turn on the power of all equipments.

3.4.3. The EUT using test program “Ralink Wireless Utility”.

802.11b/g/n-HT20

3.4.4. Transmit Mode: The EUT was set to continuously transmit signals at 2412Hz、2437MHz and 2462MHz during testing.

3.4.5. Receive Mode: The EUT was set to continuously receive signals at 2437MHz during testing.

802.11n-HT40

3.4.6. Transmit Mode: The EUT was set to continuously transmit signals at 2422Hz、2437MHz and 2452MHz during testing.

3.4.7. Receive Mode: The EUT was set to continuously receive signals at 2437MHz during testing.

3.5. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT was set to 3 meters away from the receiving antenna which was mounted on an antenna tower. The antenna moved up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna such as calibrated biconical and log-periodical antenna or horn antenna were used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-2003 regulation during radiated measurement.

The bandwidth of the R&S Test Receiver was set at 120kHz. (For 30MHz to 1000MHz)

The resolution bandwidth and video bandwidth of test spectrum analyzer is 1MHz for peak detection (PK) at frequency above 1GHz.

The resolution bandwidth of test spectrum analyzer is 1MHz and the video bandwidth is 10Hz for average detection (AV) at frequency above 1GHz.

The frequency range from 30MHz to 25GHz (Up to 10^{th} harmonics from fundamental frequency) was checked. 30MHz to 1000MHz was measured with Qusai-Peak detector. Above 1GHz was measured with peak and average detector. For average reading in frequency from 4.0G to 25GHz, we checked it in 1 meter distance and with a shorter cable 2 meter instead of original's. There is no signal exist.

3.6. Test Results

PASSED.
(All emissions not reported below are too low against the prescribed limits.)

EUT：CregleBook M/N：CB1101

Test Date：Jul. 27, 2011 Temperature：26℃ Humidity：50%

The radiation tests on three different axes (stand, lie and side), we assessed the value and we selected the worst radiation position “lie” link to AC adapter for our measured results.

For Frequency Range 30MHz~1000MHz:

The EUT with following test modes was performed during this section testing and all the test results are listed in section 3.6.1.
This module contains BT and WIFI and can transmit simultaneously, thus we also performed simultaneous mode and list result in BT test report.

Mode	Type of Network	Channel	Frequency	Test Mode	Reference Test Data	
					Horizontal	Vertical
1.	802.11b	CH 1	2412MHz	Transmit	# 10	# 9
2.		CH 6	2437MHz		# 10	# 9
3.		CH 11	2462MHz		# 10	# 9
4.		CH 6	2437MHz	Receive	# 6	# 5
5.	802.11g	CH 1	2412MHz	Transmit	# 10	# 9
6.		CH 6	2437MHz		# 10	# 9
7.		CH 11	2462MHz		# 10	# 9
8.		CH 6	2437MHz	Receive	# 6	# 5
9.	802.11n-HT20	CH 1	2412MHz	Transmit	# 10	# 9
10.		CH 6	2437MHz		# 10	# 9
11.		CH 11	2462MHz		# 10	# 9
12.		CH 6	2437MHz	Receive	# 6	# 5
13.	802.11n-HT40	CH 1	2422MHz	Transmit	# 10	# 9
14.		CH 6	2437MHz		# 10	# 9
15.		CH 7	2452MHz		# 10	# 9
16.		CH 6	2437MHz	Receive	# 6	# 5

* Above all final readings were measured with Quasi-Peak detector.

For Frequency above 1GHz:

The EUT with following test modes was performed during this section testing and all the test results are listed in section 3.6.2.

This module contains BT and WIFI and can transmit simultaneously, thus we also performed simultaneous mode and list result in BT test report.

Mode	Type of Network	Channel	Frequency	Test Mode	Reference Test Data			
					Horizontal		Vertical	
					Peak	Average	Peak	Average
1.	802.11b	CH 1	2412MHz	Transmit	# 2, # 3	# 12	# 1, # 4	# 11
2.		CH 6	2437MHz		# 6, # 7	# 12	# 5, # 8	# 11
3.		CH 11	2462MHz		# 6, # 7	# 12	# 5, # 8	# 11
4.		CH 6	2437MHz	Receive	# 4, # 3	# 8	# 1, # 2	# 7
5.	802.11g	CH 1	2412MHz	Transmit	# 6, # 7	# 12	# 5, # 8	# 11
6.		CH 6	2437MHz		# 6, # 7	# 12	# 5, # 8	# 11
7.		CH 11	2462MHz		# 6, # 7	# 12	# 5, # 8	# 11
8.		CH 6	2437MHz	Receive	# 4, # 3	# 8	# 1, # 2	# 7
9.	802.11n-HT20	CH 1	2412MHz	Transmit	# 6, # 7	# 12	# 5, # 8	# 11
10.		CH 6	2437MHz		# 6, # 7	# 12	# 5, # 8	# 11
11.		CH 11	2462MHz		# 6, # 7	# 12	# 5, # 8	# 11
12.		CH 6	2437MHz	Receive	# 4, # 3	# 8	# 1, # 2	# 7
13.	802.11n-HT40	CH 3	2422MHz	Transmit	# 6, # 7	# 12	# 5, # 8	# 11
14.		CH 6	2437MHz		# 6, # 7	# 12	# 5, # 8	# 11
15.		CH 9	2452MHz		# 6, # 7	# 12	# 5, # 8	# 11
16.		CH 6	2437MHz	Receive	# 4, # 3	# 8	# 1, # 2	# 7

Note: 1. Above all final readings were measured with Peak detector.
2. For measurements above 2.68GHz to 4GHz, the peak measured value complies with the average limit, it is unnecessary to perform an average measurement. (According to ANSI C63.4-2003 section 8.3.1.2)

For Restricted Bands:

The EUT was tested in restricted bands and all the test results are listed in section 3.6.3. (The restricted bands defined in part 15.205(a))

Mode	Type of Network	Channel	Frequency	Test Mode	Reference Test Data	
					Horizontal	Vertical
1.	802.11b	CH 1	2412MHz	Transmit	# 2, # 3	# 1, # 4
3.		CH 11	2462MHz		# 6, # 7	# 5, # 8
5.	802.11g	CH 1	2412MHz	Transmit	# 2, # 3	# 1, # 4
7.		CH 11	2462MHz		# 6, # 7	# 5, # 8
9.	802.11n-HT20	CH 1	2412MHz	Transmit	# 2, # 3	# 1, # 4
11.		CH 11	2462MHz		# 6, # 7	# 5, # 8
13.	802.11n-HT40	CH 3	2422MHz	Transmit	# 2, # 3	# 1, # 4
15.		CH 9	2452MHz		# 6, # 7	# 5, # 8

3.6.1. For 30-1000MHz Frequency Range Measurement Results

802.11b, Transmit, Frequency: 2412MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	133.790	19.89	2.40	13.84	36.13	43.50	7.37	
2	166.770	20.96	2.70	11.80	35.46	43.50	8.04	
3	268.620	24.86	3.70	10.50	39.06	46.00	6.94	
4	534.400	19.57	7.00	15.06	41.63	46.00	4.37	
5	761.380	23.68	6.70	13.16	43.54	46.00	2.46	
6	800.180	24.14	6.90	10.65	41.68	46.00	4.32	
7	865.170	26.00	7.20	6.82	40.02	46.00	5.98	
8	880.690	25.34	7.30	8.75	41.39	46.00	4.61	
9	891.360	25.06	7.30	10.31	42.67	46.00	3.33	
10	901.060	24.95	7.40	9.43	41.78	46.00	4.22	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.49	34.15	43.50	9.35	
2	244.370	23.40	3.50	5.78	32.69	46.00	13.31	
3	388.900	17.47	4.80	13.05	35.32	46.00	10.68	
4	534.400	19.57	7.00	14.32	40.89	46.00	5.11	
5	604.240	21.42	6.30	6.73	34.44	46.00	11.56	
6	767.200	23.86	6.80	8.60	39.26	46.00	6.74	
7	800.180	24.14	6.90	10.32	41.35	46.00	4.65	
8	866.140	25.97	7.20	6.88	40.05	46.00	5.95	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11b, Transmit, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	258.920	24.53	3.50	10.95	38.98	46.00	7.02	
2	267.650	24.79	3.70	9.53	38.02	46.00	7.98	
3	386.960	17.43	4.70	18.09	40.21	46.00	5.79	
4	432.550	17.28	5.20	18.52	40.99	46.00	5.01	
5	534.400	19.57	7.00	16.01	42.58	46.00	3.42	
6	599.390	21.30	6.30	7.73	35.32	46.00	10.68	
7	767.200	23.86	6.80	10.93	41.59	46.00	4.41	
8	802.120	24.17	6.90	9.19	40.26	46.00	5.74	
9	833.160	24.88	7.10	9.05	41.03	46.00	4.97	
10	866.140	25.97	7.20	7.46	40.63	46.00	5.37	
11	883.600	25.27	7.30	9.44	42.01	46.00	3.99	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.70	34.36	43.50	9.14	
2	534.400	19.57	7.00	15.25	41.82	46.00	4.18	@
3	567.380	20.97	6.50	7.67	35.15	46.00	10.85	
4	768.170	23.87	6.80	7.53	38.20	46.00	7.80	
5	800.180	24.14	6.90	9.76	40.79	46.00	5.21	
6	866.140	25.97	7.20	5.56	38.73	46.00	7.27	
7	900.090	24.96	7.37	3.92	36.25	46.00	9.75	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11b, Transmit, Frequency: 2462MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	266.680	24.74	3.70	12.47	40.91	46.00	5.09	
2	432.550	17.28	5.20	17.49	39.96	46.00	6.04	
3	480.080	18.68	6.05	12.51	37.24	46.00	8.76	
4	532.460	19.64	7.00	15.40	42.04	46.00	3.96	
5	767.200	23.86	6.80	10.26	40.92	46.00	5.08	
6	800.180	24.14	6.90	8.63	39.66	46.00	6.34	
7	865.170	26.00	7.20	6.95	40.15	46.00	5.85	
8	876.810	25.35	7.30	7.02	39.67	46.00	6.33	
9	898.150	24.98	7.30	4.86	37.14	46.00	8.86	
10	964.110	26.80	7.60	6.12	40.52	54.00	13.48	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.05	33.71	43.50	9.79	
2	480.080	18.68	6.05	8.28	33.01	46.00	12.99	
3	534.400	19.57	7.00	14.71	41.28	46.00	4.72	
4	565.440	20.49	6.60	7.33	34.41	46.00	11.59	
5	765.260	23.82	6.80	7.51	38.13	46.00	7.87	
6	800.180	24.14	6.90	10.01	41.04	46.00	4.96	
7	873.900	25.37	7.30	7.64	40.32	46.00	5.68	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11b, Receive, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	12.85	36.51	43.50	6.99	
2	268.620	24.86	3.70	10.70	39.26	46.00	6.74	
3	432.550	17.28	5.20	15.81	38.29	46.00	7.71	
4	534.400	19.57	7.00	13.62	40.19	46.00	5.81	
5	767.200	23.86	6.80	8.82	39.48	46.00	6.52	
6	798.240	24.09	6.90	14.72	45.71	46.00	0.29	
7	863.230	26.09	7.20	4.99	38.28	46.00	7.72	
8	931.130	25.11	7.50	8.35	40.95	46.00	5.05	
9	966.050	26.89	7.70	7.46	42.05	54.00	11.95	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	11.33	34.99	43.50	8.51	
2	478.140	18.61	6.00	9.45	34.06	46.00	11.94	
3	532.460	19.64	7.00	12.02	38.66	46.00	7.35	
4	604.240	21.42	6.30	7.17	34.88	46.00	11.12	
5	765.260	23.82	6.80	8.18	38.80	46.00	7.20	
6	800.180	24.14	6.90	8.99	40.02	46.00	5.98	
7	868.080	25.89	7.20	7.04	40.13	46.00	5.87	
8	887.480	25.16	7.30	8.16	40.62	46.00	5.38	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Transmit, Frequency: 2412MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	133.790	19.89	2.40	14.65	36.94	43.50	6.56	
2	434.490	17.36	5.24	17.58	40.18	46.00	5.82	
3	532.460	19.64	7.00	14.99	41.63	46.00	4.37	
4	768.170	23.87	6.80	10.82	41.49	46.00	4.51	
5	800.180	24.14	6.90	10.23	41.26	46.00	4.74	
6	830.250	24.75	7.10	9.80	41.65	46.00	4.35	
7	847.710	25.43	7.10	8.46	40.99	46.00	5.01	
8	876.810	25.35	7.30	8.37	41.02	46.00	4.98	
9	933.070	25.23	7.50	7.42	40.15	46.00	5.85	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	11.66	35.32	43.50	8.18	
2	478.140	18.61	6.00	8.82	33.43	46.00	12.57	
3	534.400	19.57	7.00	12.48	39.06	46.00	6.95	
4	767.200	23.86	6.80	7.83	38.49	46.00	7.51	
5	800.180	24.14	6.90	10.50	41.53	46.00	4.47	
6	837.040	24.94	7.10	6.07	38.10	46.00	7.90	
7	870.020	25.71	7.20	7.65	40.56	46.00	5.44	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.   : 10
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	167.740	20.97	2.70	12.10	35.78	43.50	7.72	
2	266.680	24.74	3.70	10.93	39.37	46.00	6.63	
3	432.550	17.28	5.20	18.54	41.01	46.00	4.99	
4	534.400	19.57	7.00	13.95	40.52	46.00	5.48	
5	765.260	23.82	6.80	10.40	41.02	46.00	4.98	
6	798.240	24.09	6.90	9.03	40.01	46.00	5.99	
7	964.110	26.80	7.60	5.30	39.70	54.00	14.30	

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                  Data no.   : 9
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	185.200	21.37	2.90	12.93	37.20	43.50	6.30	
2	240.490	23.10	3.40	7.88	34.39	46.00	11.61	
3	532.460	19.64	7.00	15.24	41.88	46.00	4.12	
4	602.300	21.37	6.30	6.88	34.55	46.00	11.45	
5	767.200	23.86	6.80	7.83	38.49	46.00	7.51	
6	800.180	24.14	6.90	10.44	41.47	46.00	4.53	
7	868.080	25.89	7.20	7.66	40.75	46.00	5.25	
8	933.070	25.23	7.50	3.22	35.95	46.00	10.05	

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

802.11g, Transmit, Frequency: 2462MHz

```
Site no.      : A/C Chamber                  Data no.   : 10
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	268.620	24.86	3.70	13.05	41.61	46.00	4.39	
2	432.550	17.28	5.20	17.79	40.26	46.00	5.74	
3	532.460	19.64	7.00	15.47	42.11	46.00	3.89	
4	777.870	24.18	6.80	9.98	40.96	46.00	5.04	
5	802.120	24.17	6.90	10.78	41.85	46.00	4.15	
6	819.580	23.66	7.00	9.89	40.55	46.00	5.45	
7	866.140	25.97	7.20	8.46	41.63	46.00	4.37	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                  Data no.   : 9
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	167.740	20.97	2.70	10.86	34.54	43.50	8.96	
2	480.080	18.68	6.05	8.63	33.36	46.00	12.64	
3	534.400	19.57	7.00	14.78	41.35	46.00	4.65	
4	602.300	21.37	6.30	6.90	34.57	46.00	11.43	
5	768.170	23.87	6.80	7.06	37.73	46.00	8.27	
6	798.240	24.09	6.90	11.85	42.84	46.00	3.16	
7	866.140	25.97	7.20	6.50	39.67	46.00	6.33	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Receive, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.  : 6
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	268.620	24.86	3.70	11.79	40.35	46.00	5.65	
2	399.570	17.69	4.80	16.22	38.70	46.00	7.30	
3	432.550	17.28	5.20	17.68	40.15	46.00	5.85	
4	480.080	18.68	6.05	13.42	38.15	46.00	7.85	
5	534.400	19.57	7.00	15.25	41.82	46.00	4.18	
6	772.050	24.04	6.80	11.39	42.23	46.00	3.77	
7	800.180	24.14	6.90	9.22	40.26	46.00	5.74	
8	868.080	25.89	7.20	7.86	40.95	46.00	5.05	
9	882.630	25.28	7.30	6.60	39.18	46.00	6.82	

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                  Data no.  : 5
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.82	34.48	43.50	9.02	
2	532.460	19.64	7.00	14.44	41.08	46.00	4.92	
3	602.300	21.37	6.30	7.23	34.90	46.00	11.10	
4	768.170	23.87	6.80	8.02	38.69	46.00	7.31	
5	800.180	24.14	6.90	10.60	41.63	46.00	4.37	
6	866.140	25.97	7.20	6.83	40.00	46.00	6.00	
7	931.130	25.11	7.50	3.72	36.32	46.00	9.68	

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

802.11n-HT20, Transmit, Frequency: 2412MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	267.650	24.79	3.70	11.29	39.78	46.00	6.22	
2	388.900	17.47	4.80	19.93	42.20	46.00	3.80	
3	432.550	17.28	5.20	18.91	41.38	46.00	4.62	
4	534.400	19.57	7.00	15.64	42.21	46.00	3.79	
5	767.200	23.86	6.80	10.75	41.41	46.00	4.59	
6	802.120	24.17	6.90	10.18	41.25	46.00	4.75	
7	848.680	25.51	7.10	8.67	41.28	46.00	4.72	
8	866.140	25.97	7.20	8.58	41.75	46.00	4.25	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.78	34.44	43.50	9.06	
2	480.080	18.68	6.05	8.91	33.64	46.00	12.36	
3	534.400	19.57	7.00	14.27	40.84	46.00	5.16	
4	765.260	23.82	6.80	7.13	37.75	46.00	8.25	
5	800.180	24.14	6.90	8.99	40.03	46.00	5.97	
6	843.830	25.23	7.10	6.09	38.42	46.00	7.58	
7	866.140	25.97	7.20	7.95	41.12	46.00	4.88	
8	898.150	24.98	7.30	5.92	38.20	46.00	7.80	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Transmit, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	39.560	16.02	4.40	21.63	42.05	46.00	3.95	
2	166.770	20.96	2.70	11.89	35.55	43.50	7.95	
3	266.680	24.74	3.70	10.16	38.60	46.00	7.40	
4	347.190	15.14	4.39	20.47	40.00	46.00	6.00	
5	388.900	17.47	4.80	18.74	41.01	46.00	4.99	
6	534.400	19.57	7.00	14.01	40.58	46.00	5.42	
7	770.110	23.93	6.80	9.96	40.69	46.00	5.31	
8	800.180	24.14	6.90	10.19	41.22	46.00	4.78	
9	868.080	25.89	7.20	8.81	41.90	46.00	4.10	
10	891.360	25.06	7.30	9.40	41.76	46.00	4.24	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.66	34.32	43.50	9.18	
2	480.080	18.68	6.05	8.19	32.92	46.00	13.08	
3	534.400	19.57	7.00	15.22	41.79	46.00	4.21	
4	602.300	21.37	6.30	6.51	34.18	46.00	11.82	
5	768.170	23.87	6.80	7.93	38.60	46.00	7.40	
6	800.180	24.14	6.90	10.81	41.84	46.00	4.16	
7	866.140	25.97	7.20	6.13	39.30	46.00	6.70	
8	886.510	25.19	7.30	6.81	39.30	46.00	6.70	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Transmit, Frequency: 2462MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	266.680	24.74	3.70	12.16	40.60	46.00	5.40	
2	432.550	17.28	5.20	17.93	40.40	46.00	5.60	
3	534.400	19.57	7.00	16.15	42.72	46.00	3.28	
4	768.170	23.87	6.80	10.46	41.13	46.00	4.87	
5	800.180	24.14	6.90	10.47	41.50	46.00	4.50	
6	815.700	23.89	7.00	10.51	41.40	46.00	4.60	
7	868.080	25.89	7.20	6.15	39.24	46.00	6.76	
8	935.010	25.42	7.50	7.65	40.58	46.00	5.42	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	179.380	21.30	2.90	9.58	33.79	43.50	9.71	
2	478.140	18.61	6.00	9.69	34.30	46.00	11.70	
3	534.400	19.57	7.00	14.87	41.44	46.00	4.56	
4	765.260	23.82	6.80	6.11	36.73	46.00	9.27	
5	802.120	24.17	6.90	7.34	38.41	46.00	7.59	
6	865.170	26.00	7.20	4.34	37.54	46.00	8.46	
7	886.510	25.19	7.30	8.70	41.19	46.00	4.81	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Receive, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	12.62	36.28	43.50	7.22	
2	432.550	17.28	5.20	17.30	39.77	46.00	6.23	
3	534.400	19.57	7.00	13.99	40.56	46.00	5.44	
4	767.200	23.86	6.80	10.74	41.40	46.00	4.60	
5	798.240	24.09	6.90	8.61	39.60	46.00	6.40	
6	810.850	24.09	7.00	10.68	41.77	46.00	4.23	
7	880.690	25.34	7.30	10.20	42.84	46.00	3.16	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	244.370	23.40	3.50	9.26	36.17	46.00	9.83	
2	480.080	18.68	6.05	9.84	34.57	46.00	11.43	
3	532.460	19.64	7.00	15.31	41.95	46.00	4.05	
4	800.180	24.14	6.90	10.65	41.68	46.00	4.32	
5	863.230	26.09	7.20	7.96	41.25	46.00	4.75	
6	887.480	25.16	7.30	7.98	40.44	46.00	5.56	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Transmit, Frequency: 2422MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2422MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	267.650	24.79	3.70	12.46	40.95	46.00	5.05	
2	432.550	17.28	5.20	18.94	41.41	46.00	4.59	
3	534.400	19.57	7.00	14.97	41.54	46.00	4.46	
4	778.840	24.15	6.80	12.35	43.30	46.00	2.70	
5	800.180	24.14	6.90	11.00	42.03	46.00	3.97	
6	868.080	25.89	7.20	6.57	39.66	46.00	6.34	
7	891.360	25.06	7.30	9.31	41.67	46.00	4.33	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2422MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	10.12	33.78	43.50	9.72	
2	532.460	19.64	7.00	15.24	41.88	46.00	4.12	
3	565.440	20.49	6.60	6.74	33.82	46.00	12.18	
4	768.170	23.87	6.80	8.76	39.43	46.00	6.57	
5	802.120	24.17	6.90	10.30	41.37	46.00	4.63	
6	866.140	25.97	7.20	6.18	39.35	46.00	6.65	
7	878.750	25.35	7.30	7.33	39.98	46.00	6.02	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Transmit, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	40.200	25.09	7.30	11.80	44.19	46.00	1.81	
2	266.680	24.74	3.70	10.48	38.92	46.00	7.08	
3	347.190	15.14	4.39	20.72	40.26	46.00	5.74	
4	385.990	17.41	4.70	17.49	39.60	46.00	6.40	
5	427.700	17.21	5.15	18.30	40.66	46.00	5.34	
6	532.460	19.64	7.00	11.61	38.25	46.00	7.75	
7	800.180	24.14	6.90	10.41	41.44	46.00	4.56	
8	865.170	26.00	7.20	7.11	40.31	46.00	5.69	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	167.740	20.97	2.70	11.28	34.96	43.50	8.54	
2	532.460	19.64	7.00	14.42	41.06	46.00	4.94	
3	768.170	23.87	6.80	7.51	38.18	46.00	7.82	
4	802.120	24.17	6.90	10.27	41.34	46.00	4.66	
5	865.170	26.00	7.20	6.46	39.66	46.00	6.34	
6	878.750	25.35	7.30	8.10	40.75	46.00	5.25	
7	898.150	24.98	7.30	6.68	38.96	46.00	7.04	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Transmit, Frequency: 2452MHz

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2452MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	167.740	20.97	2.70	11.00	34.68	43.50	8.82	
2	268.620	24.86	3.70	9.44	38.00	46.00	8.00	
3	386.960	17.43	4.70	19.05	41.17	46.00	4.83	
4	425.760	17.19	5.10	18.42	40.71	46.00	5.29	
5	532.460	19.64	7.00	12.92	39.56	46.00	6.44	
6	802.120	24.17	6.90	11.48	42.55	46.00	3.45	
7	868.080	25.89	7.20	8.77	41.86	46.00	4.15	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2452MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	9.68	33.34	43.50	10.16	
2	534.400	19.57	7.00	11.25	37.82	46.00	8.18	
3	602.300	21.37	6.30	6.33	34.00	46.00	12.00	
4	767.200	23.86	6.80	7.67	38.33	46.00	7.67	
5	800.180	24.14	6.90	10.09	41.12	46.00	4.88	
6	866.140	25.97	7.20	5.16	38.33	46.00	7.67	
7	898.150	24.98	7.30	4.13	36.41	46.00	9.59	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Receive, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	11.80	35.46	43.50	8.04	
2	386.960	17.43	4.70	17.89	40.02	46.00	5.98	
3	432.550	17.28	5.20	18.21	40.68	46.00	5.32	
4	534.400	19.57	7.00	15.03	41.60	46.00	4.40	
5	763.320	23.75	6.74	12.12	42.61	46.00	3.39	
6	800.180	24.14	6.90	11.04	42.07	46.00	3.93	
7	866.140	25.97	7.20	8.04	41.21	46.00	4.79	
8	898.150	24.98	7.30	9.35	41.63	46.00	4.37	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	166.770	20.96	2.70	9.86	33.52	43.50	9.98	
2	348.160	15.26	4.31	15.27	34.84	46.00	11.16	
3	534.400	19.57	7.00	14.80	41.37	46.00	4.63	
4	765.260	23.82	6.80	8.15	38.77	46.00	7.23	
5	800.180	24.14	6.90	9.37	40.41	46.00	5.59	
6	866.140	25.97	7.20	6.20	39.37	46.00	6.63	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3.6.2. For Above 1GHz Frequency Range Measurement Results

802.11b, Transmit, Frequency: 2412MHz

```
Site no.      : A/C Chamber                 Data no.  : 2
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	26.61	55.41	74.00	18.59	Peak
2	1594.720	26.10	6.12	21.53	53.75	74.00	20.25	Peak
3	2132.320	27.84	6.03	24.33	58.19	74.00	15.81	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 3
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3197.440	30.48	7.35	7.90	45.73	54.00	8.27	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	20.24	49.04	74.00	24.96	Peak
2	1330.960	25.22	4.93	23.89	54.03	74.00	19.97	Peak
3	1594.720	26.10	6.12	22.49	54.71	74.00	19.29	Peak
4	2128.960	27.82	6.02	25.93	59.78	74.00	14.22	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3197.440	30.48	7.35	10.04	47.87	54.00	6.13	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 12
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	19.29	48.09	54.00	5.91	Average
2	1594.720	26.10	6.12	14.17	46.39	54.00	7.61	Average
3	2132.320	27.84	6.03	17.11	50.98	54.00	3.02	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 11
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	15.01	43.81	54.00	10.19	Average
2	1330.960	25.22	4.93	17.05	47.20	54.00	6.80	Average
3	1594.720	26.10	6.12	13.98	46.20	54.00	7.80	Average
4	2128.960	27.82	6.02	16.44	50.28	54.00	3.72	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11b, Transmit, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	26.02	54.82	74.00	19.18	Peak
2	1196.560	24.88	4.58	18.33	47.79	74.00	26.21	Peak
3	1594.720	26.10	6.12	16.32	48.54	74.00	25.46	Peak
4	2132.320	27.84	6.03	23.49	57.35	74.00	16.65	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	7.77	45.59	54.00	8.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	19.76	48.57	74.00	25.43	Peak
2	1599.760	26.10	6.14	23.02	55.26	74.00	18.74	Peak
3	2128.960	27.82	6.02	22.60	56.45	74.00	17.55	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3197.440	30.48	7.35	9.44	47.27	54.00	6.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.   : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	16.74	45.54	54.00	8.46	Average
2	1196.560	24.88	4.58	12.29	41.75	54.00	12.26	Average
3	1594.720	26.10	6.12	10.17	42.39	54.00	11.61	Average
4	2132.320	27.84	6.03	15.21	49.08	54.00	4.92	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.   : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	13.94	42.75	54.00	11.25	Average
2	1599.760	26.10	6.14	14.92	47.16	54.00	6.84	Average
3	2128.960	27.82	6.02	15.55	49.39	54.00	4.61	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11b, Transmit, Frequency: 2462MHz

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	27.02	55.83	74.00	18.17	Peak
2	1594.720	26.10	6.12	21.53	53.75	74.00	20.25	Peak
3	1801.360	26.90	6.92	16.74	50.56	74.00	23.44	Peak
4	2128.960	27.82	6.02	23.27	57.12	74.00	16.88	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3197.440	30.48	7.35	8.20	46.03	54.00	7.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	19.42	48.22	74.00	25.78	Peak
2	1594.720	26.10	6.12	22.39	54.61	74.00	19.39	Peak
3	2128.960	27.82	6.02	25.06	58.91	74.00	15.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3204.040	30.51	7.36	8.68	46.56	54.00	7.44	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	18.84	47.65	54.00	6.35	Average
2	1594.720	26.10	6.12	13.10	45.32	54.00	8.68	Average
3	1801.360	26.90	6.92	10.05	43.87	54.00	10.13	Average
4	2128.960	27.82	6.02	16.40	50.24	54.00	3.76	Average

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	14.09	42.89	54.00	11.11	Average
2	1594.720	26.10	6.12	14.48	46.70	54.00	7.30	Average
3	2128.960	27.82	6.02	16.52	50.36	54.00	3.64	Average

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

802.11b, Receive, Frequency: 2437MHz

Site no. : A/C Chamber Data no. : 4
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1057.120	24.44	4.31	28.74	57.49	74.00	16.51	Peak
2	1330.960	25.22	4.93	17.86	48.00	74.00	26.00	Peak
3	1594.720	26.10	6.12	20.11	52.33	74.00	21.67	Peak
4	2128.960	27.82	6.02	22.25	56.10	74.00	17.90	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : RX2437MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3198.880	30.48	7.35	8.44	46.28	54.00	7.72	Peak
2	3734.680	31.68	8.15	6.80	46.63	54.00	7.37	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	22.07	50.87	74.00	23.13	Peak
2	1594.720	26.10	6.12	23.41	55.63	74.00	18.37	Peak
3	1796.320	26.90	6.92	15.62	49.44	74.00	24.56	Peak
4	2128.960	27.82	6.02	25.67	59.52	74.00	14.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 2
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.240	30.48	7.35	11.70	49.53	54.00	4.47	Peak
2	3729.040	31.68	8.13	8.46	48.27	54.00	5.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1057.120	24.44	4.31	20.60	49.35	54.00	4.65	Average
2	1330.960	25.22	4.93	12.74	42.88	54.00	11.12	Average
3	1594.720	26.10	6.12	12.89	45.12	54.00	8.88	Average
4	2128.960	27.82	6.02	14.83	48.67	54.00	5.33	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	15.09	43.89	54.00	10.11	Average
2	1594.720	26.10	6.12	13.65	45.88	54.00	8.13	Average
3	1796.320	26.90	6.92	8.86	42.68	54.00	11.32	Average
4	2128.960	27.82	6.02	17.13	50.97	54.00	3.03	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Transmit, Frequency: 2412MHz

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	27.14	55.94	74.00	18.06	Peak
2	1317.520	25.22	4.88	19.80	49.90	74.00	24.10	Peak
3	1594.720	26.10	6.12	20.78	53.00	74.00	21.00	Peak
4	1801.360	26.90	6.92	20.27	54.09	74.00	19.91	Peak
5	2128.960	27.82	6.02	25.20	59.05	74.00	14.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3200.080	30.48	7.35	9.31	47.15	54.00	6.85	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	21.88	50.68	74.00	23.32	Peak
2	1594.720	26.10	6.12	21.96	54.18	74.00	19.82	Peak
3	1804.720	26.90	6.88	18.99	52.77	74.00	21.23	Peak
4	2128.960	27.82	6.02	24.30	58.15	74.00	15.85	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3200.080	30.48	7.35	9.47	47.31	54.00	6.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	18.26	47.06	54.00	6.94	Average
2	1317.520	25.22	4.88	13.00	43.10	54.00	10.90	Average
3	1594.720	26.10	6.12	14.76	46.99	54.00	7.01	Average
4	1801.360	26.90	6.92	12.70	46.52	54.00	7.48	Average
5	2128.960	27.82	6.02	16.17	50.01	54.00	3.99	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	13.82	42.62	54.00	11.38	Average
2	1594.720	26.10	6.12	14.58	46.80	54.00	7.20	Average
3	1804.720	26.90	6.88	11.18	44.96	54.00	9.04	Average
4	2128.960	27.82	6.02	16.39	50.23	54.00	3.77	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.  : 6
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	25.44	54.24	74.00	19.76	Peak
2	1322.560	25.22	4.90	21.06	51.17	74.00	22.83	Peak
3	1599.760	26.10	6.14	19.39	51.63	74.00	22.37	Peak
4	1804.720	26.90	6.88	23.28	57.06	74.00	16.94	Peak
5	2128.960	27.82	6.02	24.64	58.49	74.00	15.51	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                  Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	7.79	45.61	54.00	8.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	21.37	50.18	74.00	23.82	Peak
2	1322.560	25.22	4.90	19.74	49.85	74.00	24.15	Peak
3	1594.720	26.10	6.12	21.71	53.93	74.00	20.07	Peak
4	1804.720	26.90	6.88	18.32	52.10	74.00	21.90	Peak
5	2128.960	27.82	6.02	23.51	57.36	74.00	16.64	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3186.880	30.48	7.35	8.57	46.40	54.00	7.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.   : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	17.57	46.37	54.00	7.63	Average
2	1322.560	25.22	4.90	15.11	45.22	54.00	8.78	Average
3	1599.760	26.10	6.14	14.51	46.75	54.00	7.25	Average
4	1804.720	26.90	6.88	16.37	50.15	54.00	3.85	Average
5	2128.960	27.82	6.02	16.79	50.63	54.00	3.37	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.   : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	14.44	43.25	54.00	10.75	Average
2	1322.560	25.22	4.90	12.73	42.85	54.00	11.16	Average
3	1594.720	26.10	6.12	14.58	46.80	54.00	7.20	Average
4	1804.720	26.90	6.88	13.58	47.36	54.00	6.64	Average
5	2128.960	27.82	6.02	16.18	50.02	54.00	3.98	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Transmit, Frequency: 2462MHz

```
Site no.      : A/C Chamber                 Data no.  : 6
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	24.79	53.59	74.00	20.41	Peak
2	1330.960	25.22	4.93	21.40	51.54	74.00	22.46	Peak
3	1594.720	26.10	6.12	19.66	51.88	74.00	22.12	Peak
4	1801.360	26.90	6.92	20.67	54.49	74.00	19.51	Peak
5	2128.960	27.82	6.02	24.35	58.20	74.00	15.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	8.82	46.64	54.00	7.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	21.41	50.21	74.00	23.79	Peak
2	1594.720	26.10	6.12	22.03	54.25	74.00	19.75	Peak
3	1804.720	26.90	6.88	16.95	50.73	74.00	23.27	Peak
4	2128.960	27.82	6.02	24.64	58.49	74.00	15.51	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	8.71	46.53	54.00	7.47	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	18.06	46.86	54.00	7.14	Average
2	1330.960	25.22	4.93	16.26	46.40	54.00	7.60	Average
3	1594.720	26.10	6.12	13.52	45.74	54.00	8.26	Average
4	1801.360	26.90	6.92	14.17	47.99	54.00	6.01	Average
5	2128.960	27.82	6.02	16.63	50.47	54.00	3.53	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	15.26	44.06	54.00	9.94	Average
2	1594.720	26.10	6.12	14.56	46.78	54.00	7.22	Average
3	1804.720	26.90	6.88	10.01	43.79	54.00	10.21	Average
4	2128.960	27.82	6.02	16.54	50.39	54.00	3.62	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11g, Receive, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                         ☐Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1057.120	24.44	4.31	28.60	57.35	74.00	16.65	Peak
2	1330.960	25.22	4.93	26.26	56.40	74.00	17.60	Peak
3	1599.760	26.10	6.14	20.86	53.10	74.00	20.90	Peak
4	2132.320	27.84	6.03	22.16	56.02	74.00	17.98	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                  Data no.  : 3
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                         ☐Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.240	30.48	7.35	8.31	46.14	54.00	7.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1057.120	24.44	4.31	22.18	50.93	74.00	23.07	Peak
2	1594.720	26.10	6.12	22.81	55.03	74.00	18.97	Peak
3	2128.960	27.82	6.02	25.95	59.80	74.00	14.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                Data no.  : 2
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3184.780	30.48	7.35	11.29	49.12	54.00	4.88	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1057.120	24.44	4.31	21.51	50.26	54.00	3.74	Average
2	1330.960	25.22	4.93	19.88	50.02	54.00	3.98	Average
3	1599.760	26.10	6.14	15.38	47.62	54.00	6.38	Average
4	2132.320	27.84	6.03	17.04	50.91	54.00	3.09	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1057.120	24.44	4.31	14.69	43.44	54.00	10.56	Average
2	1594.720	26.10	6.12	15.47	47.69	54.00	6.31	Average
3	2128.960	27.82	6.02	16.52	50.36	54.00	3.64	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Transmit, Frequency: 2412MHz

```
Site no.      : A/C Chamber                 Data no.   : 6
Dis. / Ant.   : 3m   3115(3775)             Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	29.48	58.28	74.00	15.72	Peak
2	1325.920	25.22	4.91	27.42	57.55	74.00	16.45	Peak
3	1594.720	26.10	6.12	21.32	53.54	74.00	20.46	Peak
4	2132.320	27.84	6.03	25.00	58.86	74.00	15.14	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.   : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	8.73	46.55	54.00	7.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	21.65	50.46	74.00	23.54	Peak
2	1594.720	26.10	6.12	22.03	54.25	74.00	19.75	Peak
3	1804.720	26.90	6.88	19.17	52.95	74.00	21.05	Peak
4	2132.320	27.84	6.03	23.86	57.72	74.00	16.28	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	9.44	47.26	54.00	6.74	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	21.22	50.02	54.00	3.98	Average
2	1325.920	25.22	4.91	19.52	49.65	54.00	4.35	Average
3	1594.720	26.10	6.12	13.88	46.10	54.00	7.90	Average
4	2132.320	27.84	6.03	16.50	50.37	54.00	3.63	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	16.77	45.58	54.00	8.42	Average
2	1594.720	26.10	6.12	15.85	48.07	54.00	5.93	Average
3	1801.360	26.90	6.92	12.00	45.82	54.00	8.18	Average
4	2128.960	27.82	6.02	15.76	49.60	54.00	4.40	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                 Data no.  : 6
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        ☐Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	26.28	55.08	74.00	18.92	Peak
2	1594.720	26.10	6.12	20.50	52.72	74.00	21.28	Peak
3	1804.720	26.90	6.88	21.21	54.99	74.00	19.01	Peak
4	2128.960	27.82	6.02	24.95	58.80	74.00	15.20	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        ☐Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3186.880	30.48	7.35	8.85	46.68	54.00	7.32	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	21.65	50.46	74.00	23.54	Peak
2	1594.720	26.10	6.12	22.03	54.25	74.00	19.75	Peak
3	1804.720	26.90	6.88	19.17	52.95	74.00	21.05	Peak
4	2132.320	27.84	6.03	23.86	57.72	74.00	16.28	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	9.44	47.26	54.00	6.74	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	17.48	46.28	54.00	7.72	Average
2	1594.720	26.10	6.12	11.47	43.69	54.00	10.31	Average
3	1804.720	26.90	6.88	13.02	46.80	54.00	7.20	Average
4	2128.960	27.82	6.02	16.60	50.44	54.00	3.56	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	14.88	43.69	54.00	10.31	Average
2	1594.720	26.10	6.12	14.48	46.70	54.00	7.30	Average
3	1804.720	26.90	6.88	12.09	45.87	54.00	8.13	Average
4	2132.320	27.84	6.03	15.81	49.68	54.00	4.32	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Transmit, Frequency: 2462MHz

```
Site no.      : A/C Chamber                  Data no.   : 6
Dis. / Ant.   : 3m   3115(3775)              Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	25.93	54.73	74.00	19.27	Peak
2	1325.920	25.22	4.91	22.04	52.17	74.00	21.83	Peak
3	1594.720	26.10	6.12	20.97	53.19	74.00	20.81	Peak
4	1801.360	26.90	6.92	21.32	55.14	74.00	18.86	Peak
5	2137.360	27.84	6.04	24.41	58.28	74.00	15.72	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                  Data no.   : 7
Dis. / Ant.   : 3m   3115(3775)              Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                          □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3200.080	30.48	7.35	8.00	45.84	54.00	8.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	22.02	50.82	74.00	23.18	Peak
2	1594.720	26.10	6.12	22.32	54.54	74.00	19.46	Peak
3	1804.720	26.90	6.88	18.04	51.82	74.00	22.18	Peak
4	2128.960	27.82	6.02	23.05	56.90	74.00	17.10	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3197.440	30.48	7.35	9.48	47.31	54.00	6.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	17.35	46.15	54.00	7.85	Average
2	1325.920	25.22	4.91	16.43	46.56	54.00	7.44	Average
3	1594.720	26.10	6.12	15.40	47.63	54.00	6.38	Average
4	1801.360	26.90	6.92	16.20	50.01	54.00	3.99	Average
5	2137.360	27.84	6.04	17.17	51.05	54.00	2.95	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	14.74	43.55	54.00	10.45	Average
2	1594.720	26.10	6.12	16.25	48.47	54.00	5.53	Average
3	1804.720	26.90	6.88	9.72	43.50	54.00	10.50	Average
4	2128.960	27.82	6.02	14.69	48.53	54.00	5.47	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT20, Receive, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	28.36	57.16	74.00	16.84	Peak
2	1594.720	26.10	6.12	19.80	52.02	74.00	21.98	Peak
3	2128.960	27.82	6.02	21.86	55.71	74.00	18.29	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                  Data no.  : 3
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.240	30.48	7.35	9.59	47.42	54.00	6.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	22.30	51.10	74.00	22.90	Peak
2	1594.720	26.10	6.12	22.99	55.21	74.00	18.79	Peak
3	2128.960	27.82	6.02	26.11	59.96	74.00	14.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 2
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.240	30.48	7.35	10.63	48.46	54.00	5.54	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	19.88	48.69	54.00	5.31	Average
2	1594.720	26.10	6.12	14.36	46.58	54.00	7.42	Average
3	2128.960	27.82	6.02	14.94	48.78	54.00	5.22	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT20)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	16.08	44.89	54.00	9.12	Average
2	1594.720	26.10	6.12	16.47	48.69	54.00	5.31	Average
3	2128.960	27.82	6.02	17.18	51.02	54.00	2.98	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Transmit, Frequency: 2422MHz

```
Site no.      : A/C Chamber                  Data no.   : 6
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	26.89	55.69	74.00	18.31	Peak
2	1330.960	25.22	4.93	23.49	53.63	74.00	20.37	Peak
3	1594.720	26.10	6.12	21.85	54.07	74.00	19.93	Peak
4	1801.360	26.90	6.92	23.47	57.29	74.00	16.71	Peak
5	2128.960	27.82	6.02	25.18	59.03	74.00	14.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                  Data no.   : 7
Dis. / Ant.   : 3m   3115(3775)              Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                         □Jarwei Wang
EUT           : CB1101
Power Rating : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3193.480	30.48	7.35	8.48	46.31	54.00	7.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	22.68	51.48	74.00	22.52	Peak
2	1199.920	24.88	4.59	19.38	48.85	74.00	25.15	Peak
3	1330.960	25.22	4.93	20.45	50.59	74.00	23.41	Peak
4	1594.720	26.10	6.12	23.22	55.44	74.00	18.56	Peak
5	1804.720	26.90	6.88	20.86	54.64	74.00	19.36	Peak
6	2128.960	27.82	6.02	24.32	58.17	74.00	15.83	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3186.880	30.48	7.35	9.33	47.16	54.00	6.84	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	19.76	48.57	54.00	5.43	Average
2	1330.960	25.22	4.93	16.76	46.90	54.00	7.10	Average
3	1594.720	26.10	6.12	15.80	48.03	54.00	5.97	Average
4	1801.360	26.90	6.92	16.28	50.10	54.00	3.90	Average
5	2128.960	27.82	6.02	17.38	51.22	54.00	2.78	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	16.68	45.48	54.00	8.52	Average
2	1199.920	24.88	4.59	12.79	42.26	54.00	11.74	Average
3	1330.960	25.22	4.93	13.33	43.48	54.00	10.52	Average
4	1594.720	26.10	6.12	16.03	48.26	54.00	5.74	Average
5	1804.720	26.90	6.88	12.66	46.45	54.00	7.56	Average
6	2128.960	27.82	6.02	16.37	50.21	54.00	3.79	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                 Data no.  : 6
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	26.61	55.41	74.00	18.59	Peak
2	1334.320	25.27	4.94	21.18	51.39	74.00	22.61	Peak
3	1603.120	26.10	6.18	21.61	53.89	74.00	20.11	Peak
4	1801.360	26.90	6.92	23.07	56.89	74.00	17.11	Peak
5	2132.320	27.84	6.03	23.89	57.75	74.00	16.25	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3186.880	30.48	7.35	8.23	46.06	54.00	7.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	23.00	51.80	74.00	22.20	Peak
2	1599.760	26.10	6.14	23.09	55.33	74.00	18.67	Peak
3	1801.360	26.90	6.92	18.57	52.39	74.00	21.61	Peak
4	2128.960	27.82	6.02	25.11	58.96	74.00	15.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.480	30.48	7.35	9.52	47.35	54.00	6.65	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	18.76	47.56	54.00	6.44	Average
2	1334.320	25.27	4.94	16.10	46.30	54.00	7.70	Average
3	1603.120	26.10	6.18	14.97	47.25	54.00	6.75	Average
4	1801.360	26.90	6.92	15.76	49.58	54.00	4.42	Average
5	2132.320	27.84	6.03	15.27	49.14	54.00	4.86	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	16.46	45.27	54.00	8.74	Average
2	1599.760	26.10	6.14	14.56	46.80	54.00	7.20	Average
3	1801.360	26.90	6.92	12.20	46.02	54.00	7.98	Average
4	2128.960	27.82	6.02	16.47	50.31	54.00	3.69	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Transmit, Frequency: 2452MHz

```
Site no.      : A/C Chamber                 Data no.  : 6
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2452MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	26.95	55.76	74.00	18.24	Peak
2	1322.560	25.22	4.90	22.67	52.78	74.00	21.22	Peak
3	1599.760	26.10	6.14	21.60	53.84	74.00	20.16	Peak
4	1804.720	26.90	6.88	23.10	56.88	74.00	17.12	Peak
5	2128.960	27.82	6.02	24.30	58.15	74.00	15.85	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2452MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3190.840	30.48	7.35	9.12	46.94	54.00	7.06	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2452MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	23.50	52.31	74.00	21.69	Peak
2	1594.720	26.10	6.12	22.79	55.01	74.00	18.99	Peak
3	1801.360	26.90	6.92	19.34	53.16	74.00	20.84	Peak
4	2128.960	27.82	6.02	24.83	58.68	74.00	15.32	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2452MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.480	30.48	7.35	10.08	47.91	54.00	6.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2452MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	17.57	46.38	54.00	7.62	Average
2	1322.560	25.22	4.90	15.69	45.80	54.00	8.20	Average
3	1599.760	26.10	6.14	14.03	46.27	54.00	7.73	Average
4	1804.720	26.90	6.88	15.18	48.96	54.00	5.04	Average
5	2128.960	27.82	6.02	15.94	49.78	54.00	4.22	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2452MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1065.520	24.49	4.32	15.28	44.09	54.00	9.91	Average
2	1594.720	26.10	6.12	14.76	46.98	54.00	7.02	Average
3	1801.360	26.90	6.92	12.45	46.27	54.00	7.73	Average
4	2128.960	27.82	6.02	16.34	50.18	54.00	3.82	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

802.11n-HT40, Receive, Frequency: 2437MHz

```
Site no.      : A/C Chamber                 Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	28.63	57.43	74.00	16.57	Peak
2	1330.960	25.22	4.93	21.88	52.02	74.00	21.98	Peak
3	1594.720	26.10	6.12	21.11	53.33	74.00	20.67	Peak
4	2128.960	27.82	6.02	21.89	55.74	74.00	18.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 3
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3193.240	30.48	7.35	10.37	48.20	54.00	5.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                        ☐Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	22.75	51.55	74.00	22.45	Peak
2	1594.720	26.10	6.12	22.70	54.92	74.00	19.08	Peak
3	2128.960	27.82	6.02	25.67	59.52	74.00	14.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 2
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        ☐Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3184.780	30.48	7.35	11.08	48.91	54.00	5.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	21.22	50.03	54.00	3.97	Average
2	1330.960	25.22	4.93	15.24	45.38	54.00	8.62	Average
3	1594.720	26.10	6.12	14.72	46.94	54.00	7.06	Average
4	2128.960	27.82	6.02	14.71	48.55	54.00	5.45	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                        □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : RX2437MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	1062.160	24.49	4.31	16.53	45.33	54.00	8.67	Average
2	1594.720	26.10	6.12	13.73	45.96	54.00	8.04	Average
3	2128.960	27.82	6.02	16.50	50.34	54.00	3.66	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

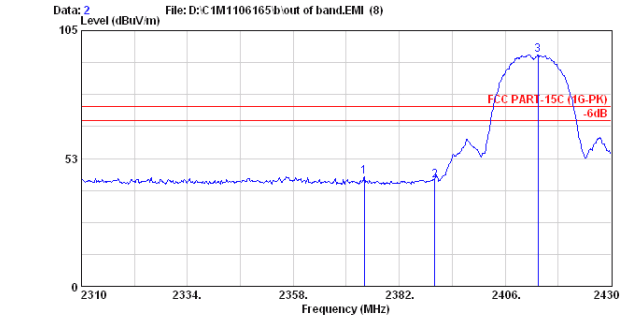
3.6.3. Restricted Bands Measurement Results

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11b, Transmit, Channel: 01, Frequency: 2412MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

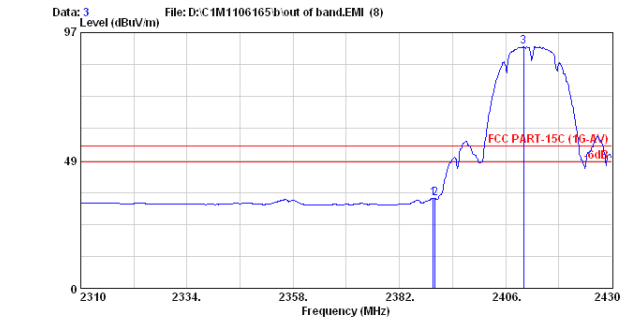



```
Site no.      : A/C Chamber                Data no.  : 2
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2374.080	28.08	6.32	10.61	45.01	74.00	28.99	Peak
2	2390.040	28.10	6.34	9.16	43.60	74.00	30.40	Peak
3	2413.440	28.11	6.36	60.54	95.02	74.00	-21.02	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



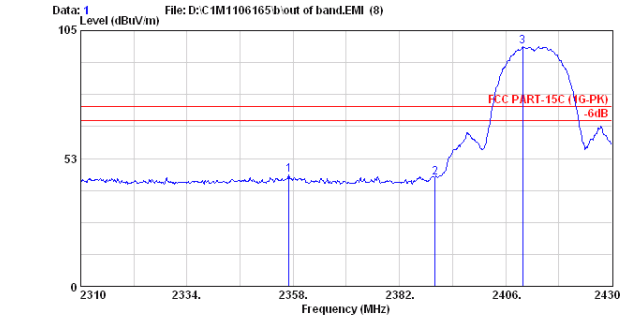

```
Site no.      : A/C Chamber                Data no.  : 3
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.680	28.10	6.34	-0.16	34.28	54.00	19.72	Average
2	2390.040	28.10	6.34	-0.18	34.26	54.00	19.74	Average
3	2410.080	28.11	6.36	57.22	91.69	54.00	-37.69	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test：	Jul. 27, 2011	Temperature：	26℃
EUT：	CregleBook	Humidity：	50%
Test Mode：	802.11b, Transmit, Channel: 01, Frequency: 2412MHz		

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

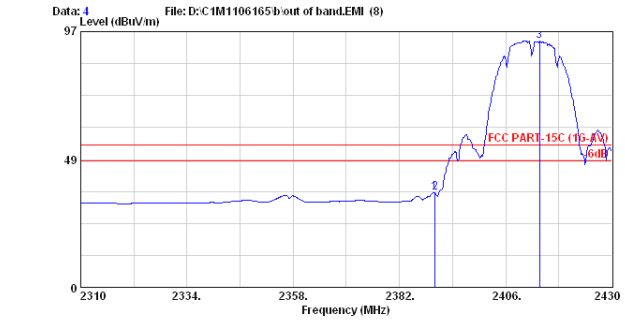



```
Site no.      : A/C Chamber                Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2357.040	28.06	6.29	11.53	45.89	74.00	28.11	Peak
2	2390.040	28.10	6.34	10.29	44.73	74.00	29.27	Peak
3	2409.840	28.11	6.36	64.00	98.47	74.00	-24.47	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	1.32	35.75	54.00	18.25	Average
2	2390.040	28.10	6.34	1.28	35.72	54.00	18.28	Average
3	2413.680	28.11	6.36	59.05	93.53	54.00	-39.53	Average

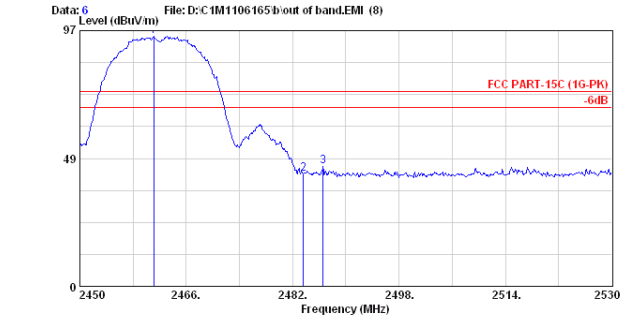
```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11b, Transmit, Channel: 11, Frequency: 2462MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

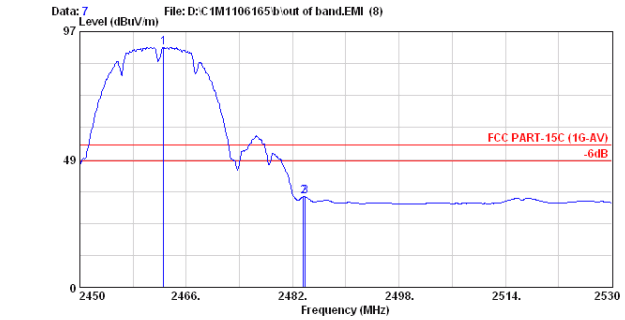


Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2461.120	28.17	6.42	60.21	94.80	74.00	-20.80	Peak
2	2483.600	28.18	6.45	8.17	42.81	74.00	31.19	Peak
3	2486.560	28.18	6.45	10.69	45.33	74.00	28.67	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



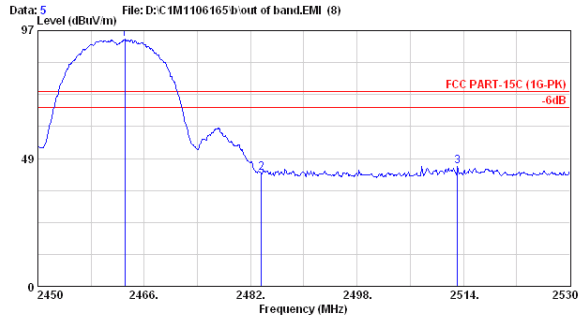
Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.560	28.17	6.42	56.44	91.03	54.00	-37.03	Average
2	2483.600	28.18	6.45	-0.24	34.40	54.00	19.60	Average
3	2483.920	28.18	6.45	-0.23	34.40	54.00	19.60	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test：	Jul. 27, 2011	Temperature：	26℃
EUT：	CregleBook	Humidity：	50%
Test Mode：	802.11b, Transmit, Channel: 11, Frequency: 2462MHz		

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

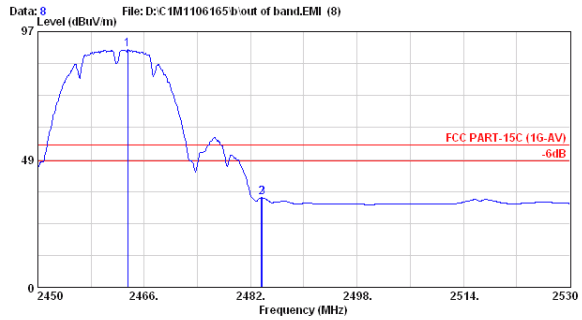



```
Site no.      : A/C Chamber                Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2463.120	28.17	6.42	59.06	93.65	74.00	-19.65	Peak
2	2483.600	28.18	6.45	8.33	42.96	74.00	31.04	Peak
3	2513.120	28.26	6.49	10.84	45.59	74.00	28.41	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2463.520	28.17	6.42	55.49	90.08	54.00	-36.08	Average
2	2483.600	28.18	6.45	-0.69	33.95	54.00	20.05	Average
3	2483.760	28.18	6.45	-0.67	33.96	54.00	20.04	Average

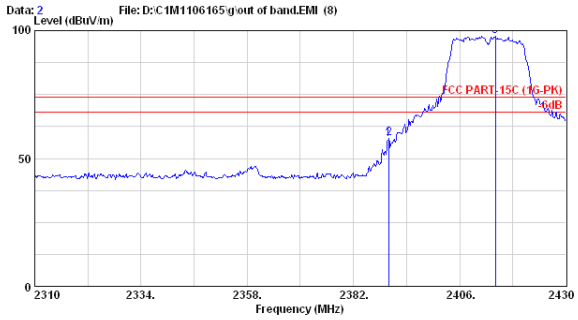
```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11g, Transmit, Channel: 01, Frequency: 2412MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

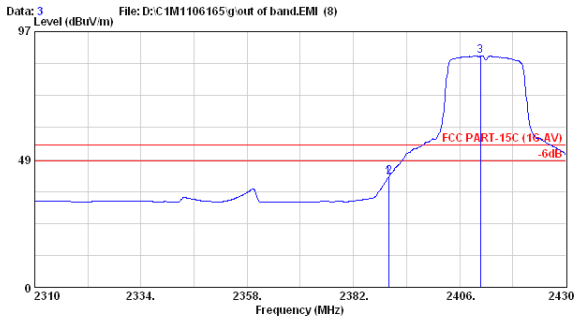


Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	23.02	57.45	74.00	16.55	Peak
2	2390.040	28.10	6.34	23.34	57.78	74.00	16.22	Peak
3	2414.040	28.11	6.36	63.26	97.74	74.00	-23.74	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	7.27	41.71	54.00	12.29	Average
2	2390.040	28.10	6.34	7.53	41.97	54.00	12.03	Average
3	2410.680	28.11	6.36	53.45	87.93	54.00	-33.93	Average

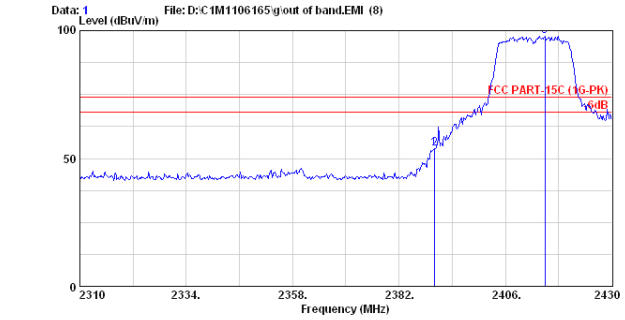
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11g, Transmit, Channel: 01, Frequency: 2412MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

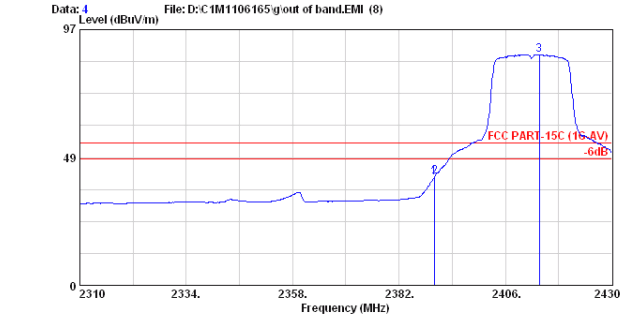



```
Site no.      : A/C Chamber                Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	19.33	53.77	74.00	20.23	Peak
2	2390.040	28.10	6.34	19.59	54.03	74.00	19.97	Peak
3	2414.880	28.11	6.36	63.45	97.92	74.00	-23.92	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2412MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	6.37	40.81	54.00	13.19	Average
2	2390.040	28.10	6.34	6.65	41.09	54.00	12.91	Average
3	2413.680	28.11	6.36	53.10	87.58	54.00	-33.58	Average

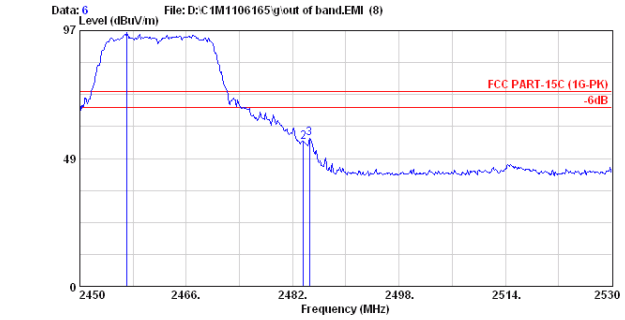
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11g, Transmit, Channel: 11, Frequency: 2462MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

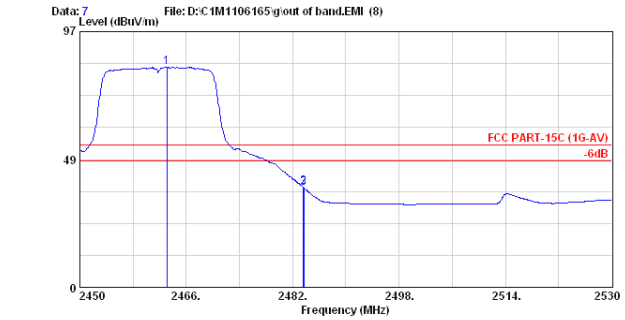



```
Site no.      : A/C Chamber                Data no.  : 6
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2457.120	28.17	6.42	61.71	96.30	74.00	-22.30	Peak
2	2483.600	28.18	6.45	20.22	54.86	74.00	19.14	Peak
3	2484.560	28.18	6.45	21.64	56.27	74.00	17.73	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



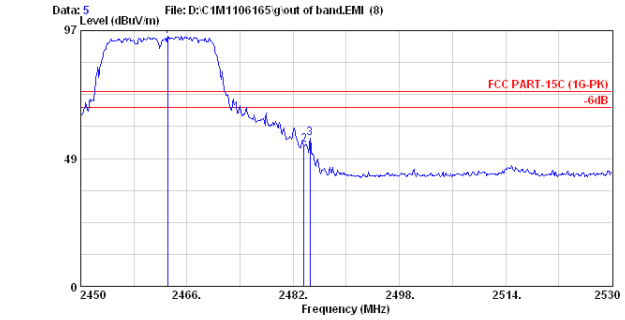

```
Site no.      : A/C Chamber                Data no.  : 7
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2463.120	28.17	6.42	48.93	83.52	54.00	-29.52	Average
2	2483.600	28.18	6.45	3.36	37.99	54.00	16.01	Average
3	2483.680	28.18	6.45	3.19	37.82	54.00	16.18	Average

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

Date of Test：	Jul. 27, 2011	Temperature：	26℃
EUT：	CregleBook	Humidity：	50%
Test Mode：	802.11g, Transmit, Channel: 11, Frequency: 2462MHz		

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

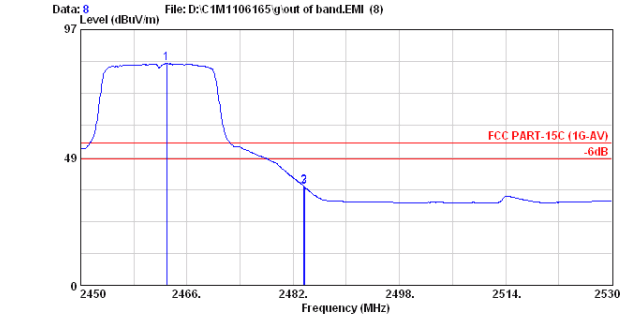



```
Site no.      : A/C Chamber                Data no.  : 5
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2463.120	28.17	6.42	60.34	94.93	74.00	-20.93	Peak
2	2483.600	28.18	6.45	18.89	53.53	74.00	20.47	Peak
3	2484.560	28.18	6.45	21.64	56.27	74.00	17.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                Data no.  : 8
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2462MHz(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.960	28.17	6.42	49.62	84.21	54.00	-30.21	Average
2	2483.600	28.18	6.45	2.95	37.59	54.00	16.41	Average
3	2483.680	28.18	6.45	2.80	37.44	54.00	16.56	Average

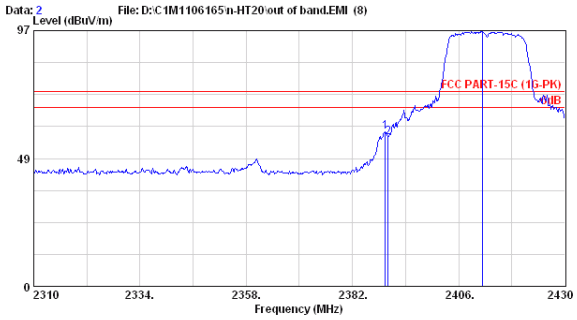
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11n-HT20, Transmit, Channel: 01, Frequency: 2412MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

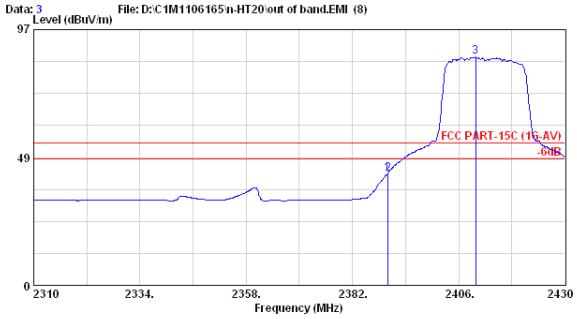


Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.440	28.10	6.34	24.02	58.46	74.00	15.54	Peak
2	2390.040	28.10	6.34	22.04	56.48	74.00	17.52	Peak
3	2411.280	28.11	6.36	62.43	96.91	74.00	-22.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



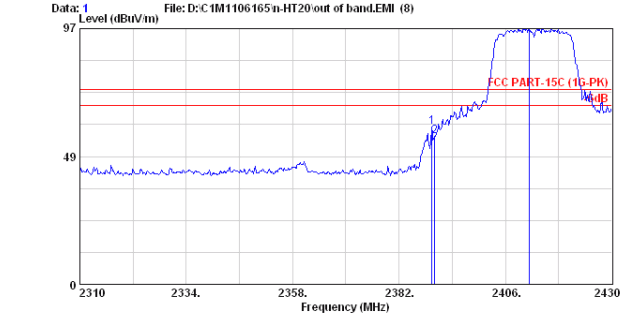
Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	7.76	42.20	54.00	11.80	Average
2	2390.040	28.10	6.34	7.94	42.38	54.00	11.62	Average
3	2409.840	28.11	6.36	52.16	86.63	54.00	-32.63	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test：	Jul. 27, 2011	Temperature：	26℃
EUT：	CregleBook	Humidity：	50%
Test Mode：	802.11n-HT20, Transmit, Channel: 01, Frequency: 2412MHz		

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

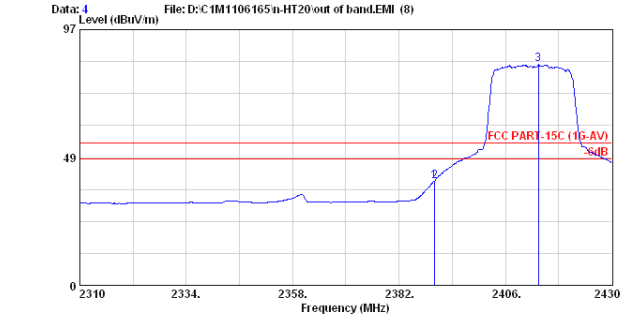


Site no. : A/C Chamber Data no. : 1
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.440	28.10	6.34	25.34	59.78	74.00	14.22	Peak
2	2390.040	28.10	6.34	21.65	56.09	74.00	17.91	Peak
3	2411.280	28.11	6.36	62.98	97.46	74.00	-23.46	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



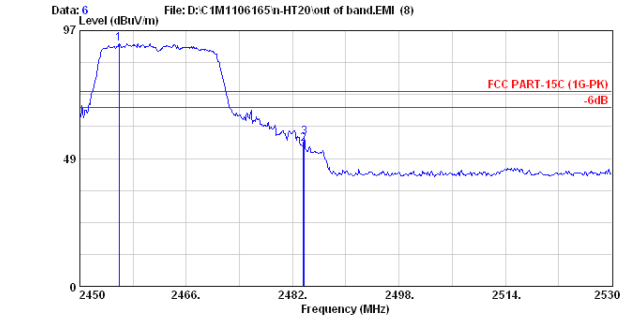
Site no. : A/C Chamber Data no. : 4
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2412MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.10	6.34	4.96	39.40	54.00	14.60	Average
2	2390.040	28.10	6.34	5.10	39.54	54.00	14.46	Average
3	2413.440	28.11	6.36	49.24	83.72	54.00	-29.72	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test：	Jul. 27, 2011	Temperature：	26℃
EUT：	CregleBook	Humidity：	50%
Test Mode：	802.11n-HT20, Transmit, Channel: 11, Frequency: 2462MHz		

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

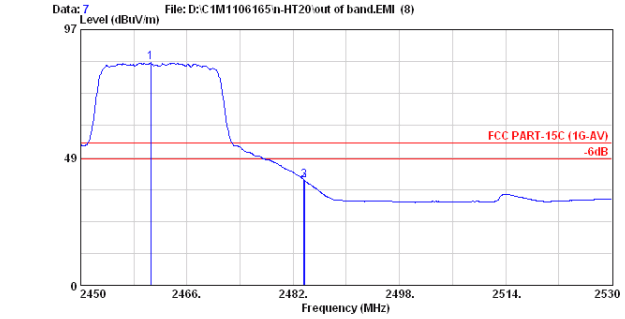


Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2455.920	28.17	6.42	57.55	92.14	74.00	-18.14	Peak
2	2483.600	28.18	6.45	19.38	54.01	74.00	19.99	Peak
3	2483.760	28.18	6.45	21.86	56.49	74.00	17.51	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2460.560	28.17	6.42	49.83	84.41	54.00	-30.41	Average
2	2483.600	28.18	6.45	5.32	39.95	54.00	14.05	Average
3	2483.680	28.18	6.45	5.17	39.80	54.00	14.20	Average

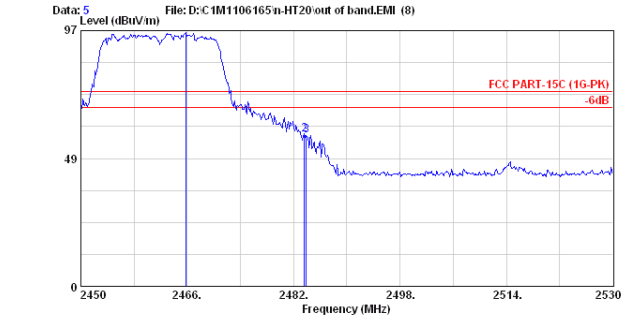
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11n-HT20, Transmit, Channel: 11, Frequency: 2462MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

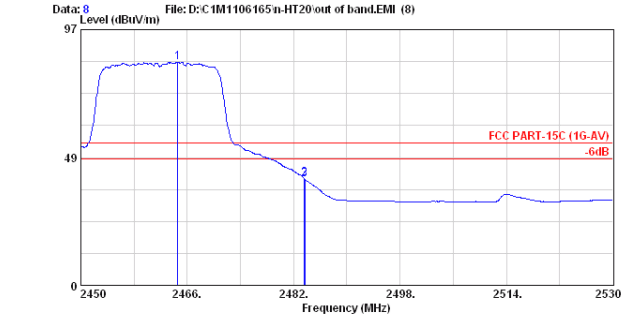


Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2465.760	28.17	6.42	61.59	96.18	74.00	-22.18	Peak
2	2483.600	28.18	6.45	22.89	57.53	74.00	16.47	Peak
3	2483.920	28.18	6.45	22.57	57.20	74.00	16.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



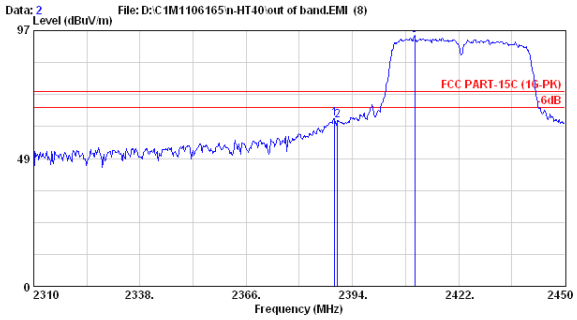
Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2462MHz(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2464.560	28.17	6.42	50.08	84.67	54.00	-30.67	Average
2	2483.600	28.18	6.45	5.77	40.41	54.00	13.59	Average
3	2483.680	28.18	6.45	5.60	40.24	54.00	13.76	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test：	Jul. 27, 2011	Temperature：	26℃
EUT：	CregleBook	Humidity：	50%
Test Mode：	802.11n-HT40, Transmit, Channel: 03, Frequency: 2422MHz		

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

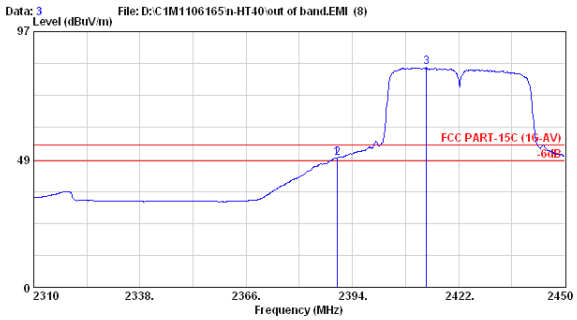


Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2422MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.380	28.10	6.34	29.07	63.51	74.00	10.49	Peak
2	2390.080	28.10	6.34	28.51	62.95	74.00	11.05	Peak
3	2410.380	28.11	6.36	60.70	95.17	74.00	-21.17	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2422MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.940	28.10	6.34	14.73	49.17	54.00	4.83	Average
2	2390.080	28.10	6.34	14.76	49.20	54.00	4.80	Average
3	2413.460	28.11	6.36	48.85	83.33	54.00	-29.33	Average

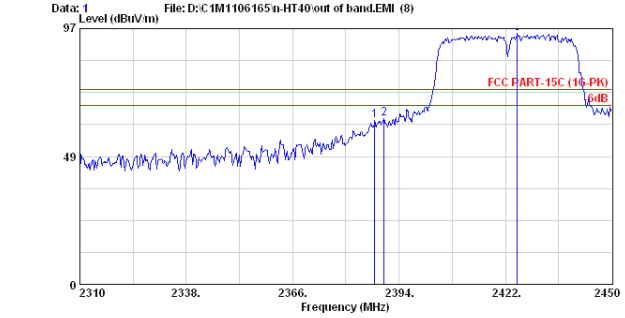
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11n-HT40, Transmit, Channel: 03, Frequency: 2422MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

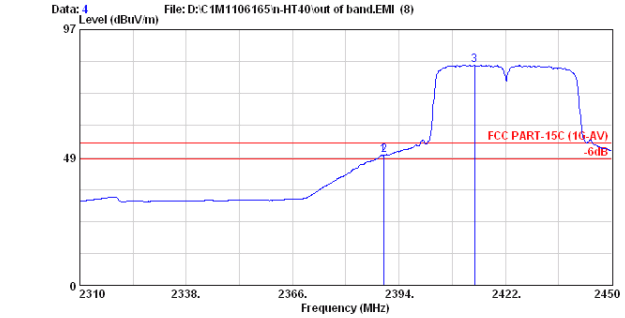



```
Site no.      : A/C Chamber                Data no.  : 1
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2387.560	28.10	6.34	27.82	62.26	74.00	11.74	Peak
2	2390.080	28.10	6.34	28.39	62.83	74.00	11.17	Peak
3	2425.080	28.13	6.38	60.60	95.12	74.00	-21.12	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                Data no.  : 4
Dis. / Ant.   : 3m   3115(3775)            Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : E4446A 26℃/50%                       □Jarwei Wang
EUT           : CB1101
Power Rating  : 120Vac/60Hz
Test Mode     : TX2422MHz(802.11n-HT40)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.940	28.10	6.34	14.91	49.34	54.00	4.66	Average
2	2390.080	28.10	6.34	14.98	49.42	54.00	4.58	Average
3	2413.880	28.11	6.36	49.04	83.52	54.00	-29.52	Average

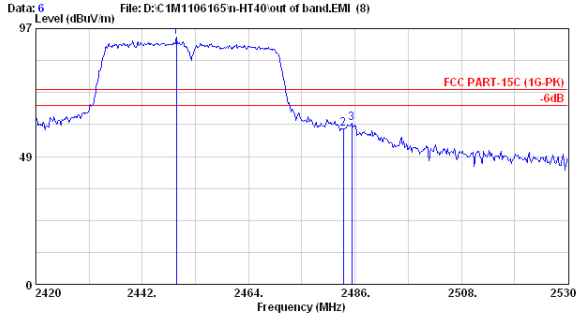
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11n-HT40, Transmit, Channel: 09, Frequency: 2452MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

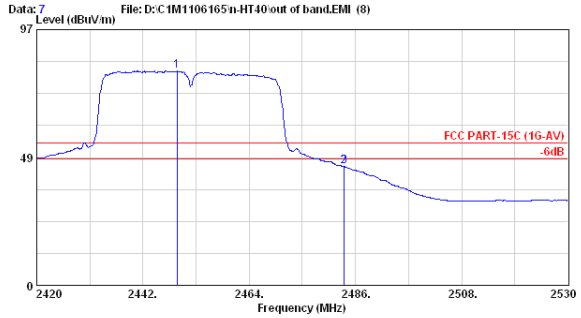


Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2452MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2449.040	28.15	6.41	59.09	93.65	74.00	-19.65	Peak
2	2483.580	28.18	6.45	24.26	58.89	74.00	15.11	Peak
3	2485.340	28.18	6.45	26.63	61.27	74.00	12.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2452MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2449.040	28.15	6.41	46.71	81.27	54.00	-27.27	Average
2	2483.580	28.18	6.45	10.55	45.19	54.00	8.81	Average
3	2483.690	28.18	6.45	10.53	45.16	54.00	8.84	Average

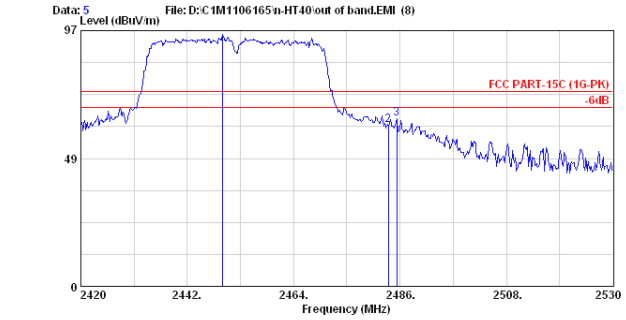
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Date of Test： Jul. 27, 2011 Temperature： 26℃

EUT： CregleBook Humidity： 50%

Test Mode： 802.11n-HT40, Transmit, Channel: 09, Frequency: 2452MHz

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw

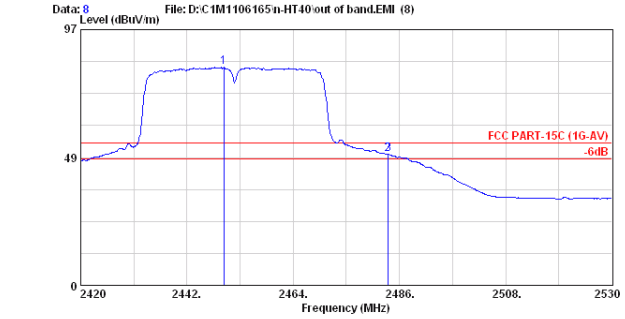


Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2452MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2449.370	28.15	6.41	61.18	95.74	74.00	-21.74	Peak
2	2483.580	28.18	6.45	26.49	61.12	74.00	12.88	Peak
3	2485.340	28.18	6.45	28.80	63.44	74.00	10.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:ttemc@ttemc.com.tw



Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : E4446A 26℃/50% ☐Jarwei Wang
EUT : CB1101
Power Rating : 120Vac/60Hz
Test Mode : TX2452MHz(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2449.590	28.15	6.41	48.14	82.70	54.00	-28.70	Average
2	2483.580	28.18	6.45	15.16	49.79	54.00	4.21	Average
3	2483.690	28.18	6.45	15.15	49.78	54.00	4.22	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

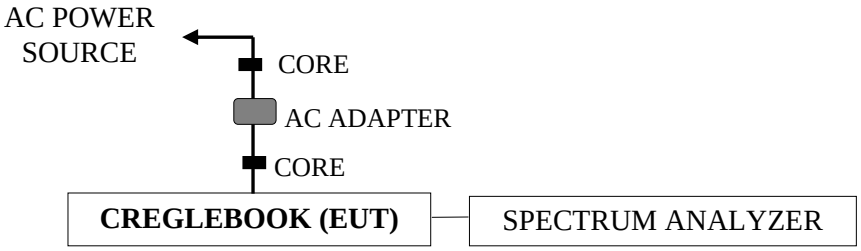
4. 6dB BANDWIDTH MEASUREMENT

4.1. Test Equipment

The following test equipment was used during the Emission Bandwidth measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10'	Aug. 03, 11'

4.2. Block Diagram of Test Setup



4.3. Specification Limits (§15.247(a)(2))

The minimum 6dB bandwidth shall be at least 500kHz.

4.4. Operating Condition of EUT

The test program "Ralink Wireless Utility" was used to enable the EUT to transmit data at different channel frequency individually.

4.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.
The measurement guideline was according to KDB 558074.

4.6. Test Results

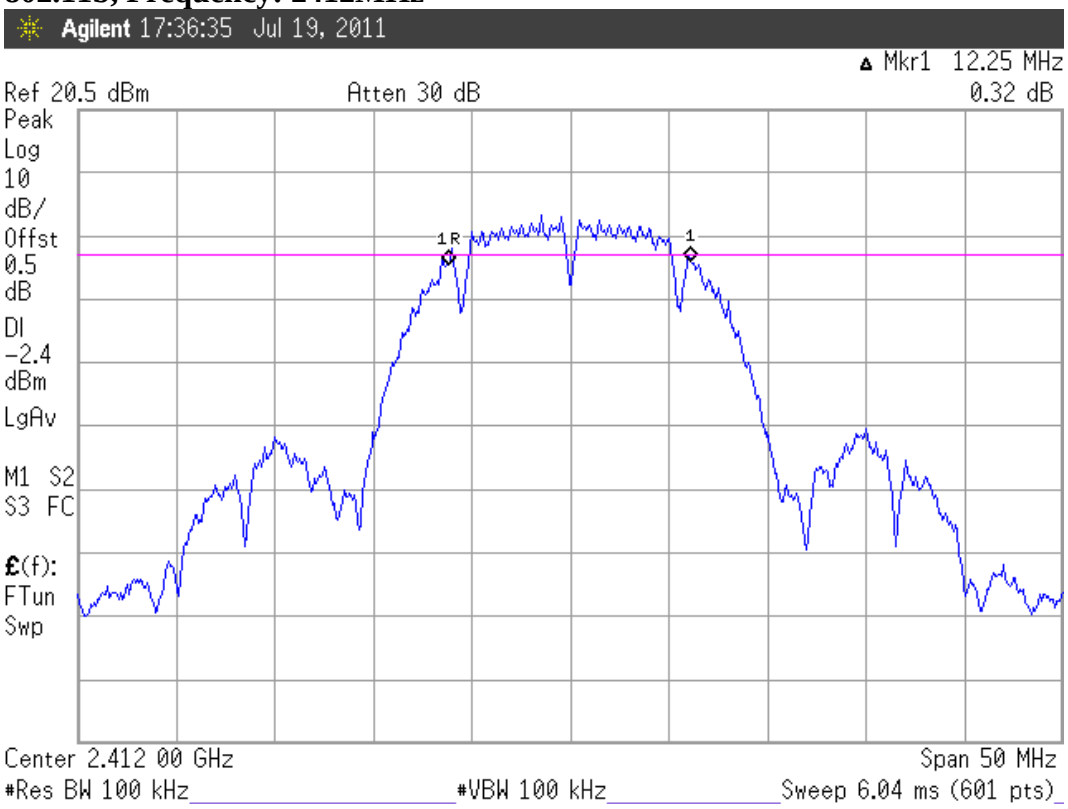
PASSED. All the test results are attached in next pages.

Test Date: Jul. 19, 2011 Temperature : 26℃ Humidity : 49 %

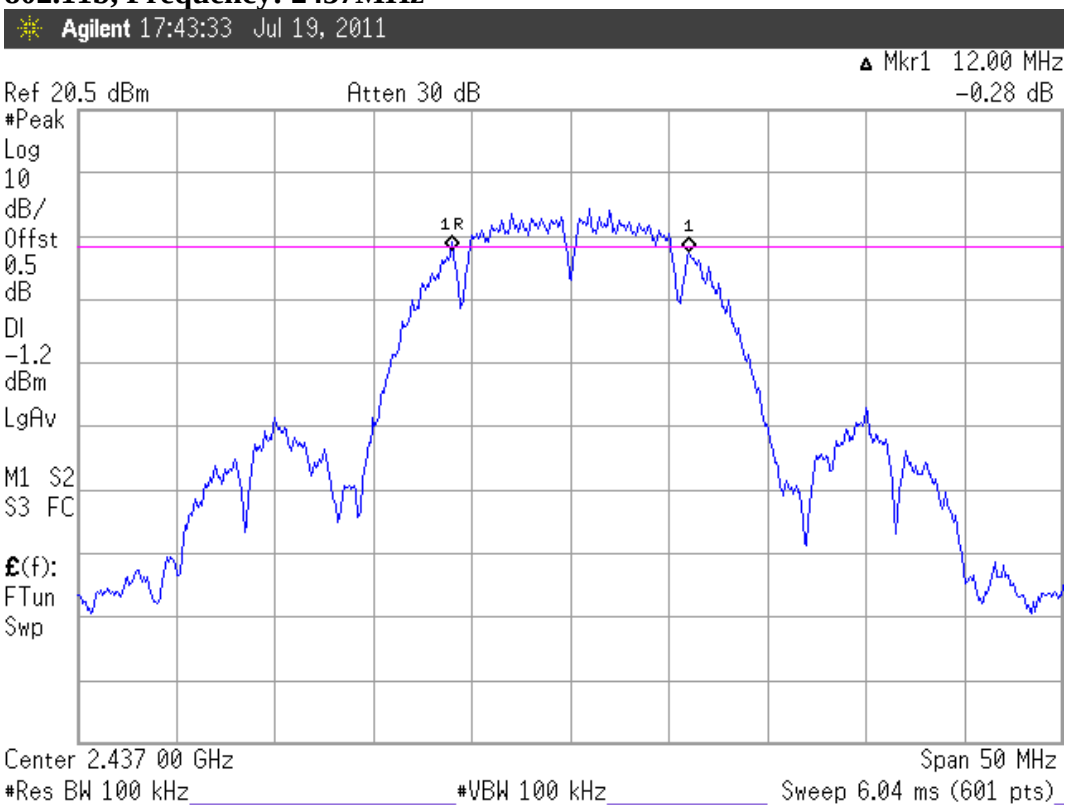
Mode	Type of Network	Channel	Frequency	**6dB Bandwidth**
1.	802.11b	CH 1	2412MHz	**12.25MHz**
2.		CH 6	2437MHz	**12.00MHz**
3.		CH 11	2462MHz	**12.75MHz**
4.	802.11g	CH 1	2412MHz	**16.33MHz**
5.		CH 6	2437MHz	**16.17MHz**
6.		CH 11	2462MHz	**16.08MHz**
7.	802.11n-HT20	CH 1	2412MHz	**17.17MHz**
8.		CH 6	2437MHz	**16.17MHz**
9.		CH 11	2462MHz	**16.92MHz**
10.	802.11n-HT40	CH 3	2422MHz	**35.60MHz**
11.		CH 6	2437MHz	**35.73MHz**
12.		CH 9	2452MHz	**35.47MHz**

[Limit: least 500kHz]

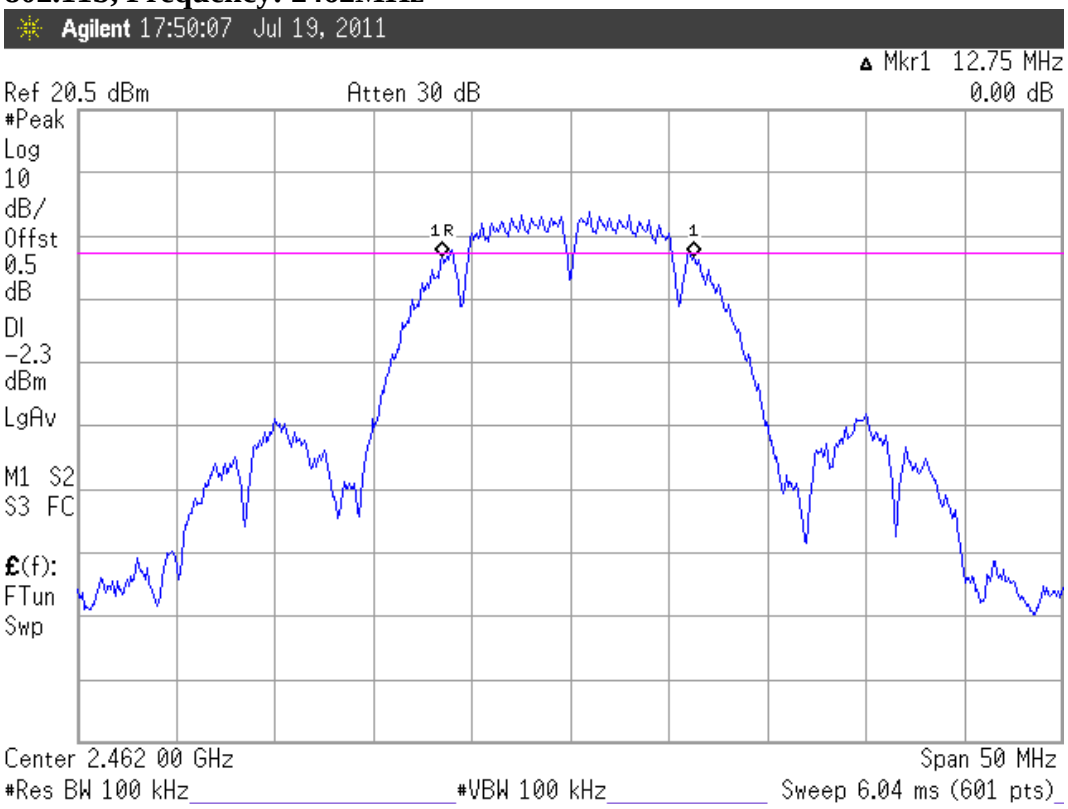
802.11b, Frequency: 2412MHz



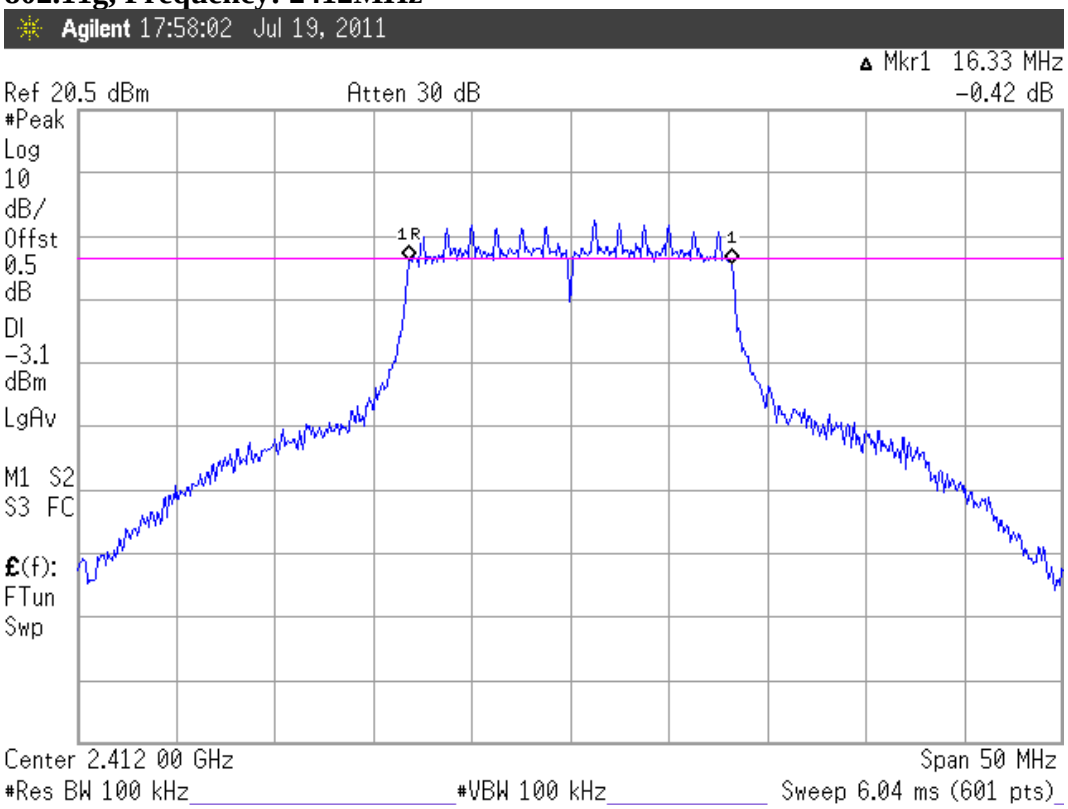
802.11b, Frequency: 2437MHz



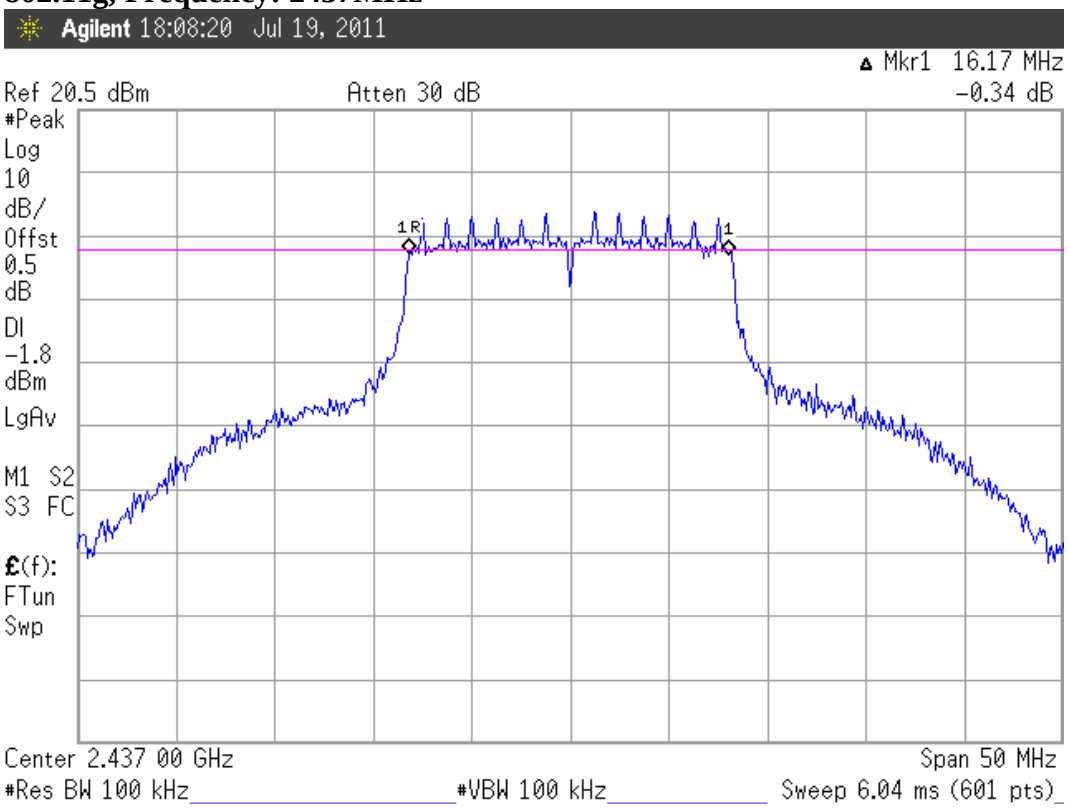
802.11b, Frequency: 2462MHz



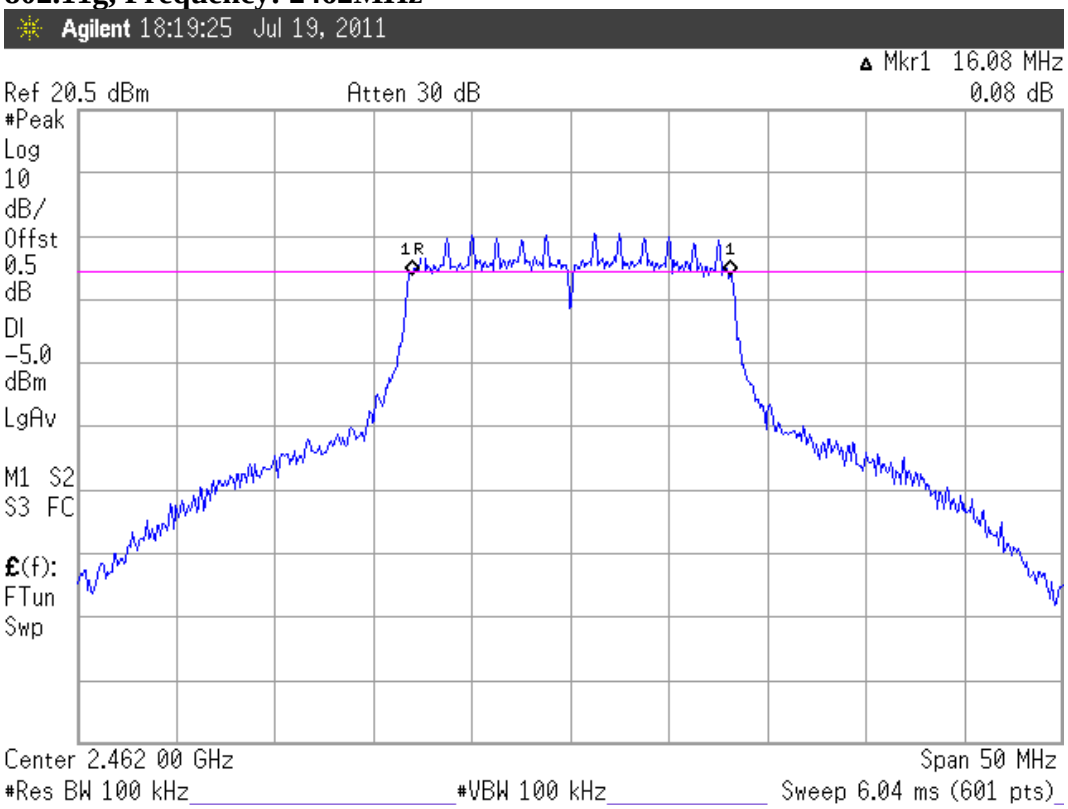
802.11g, Frequency: 2412MHz



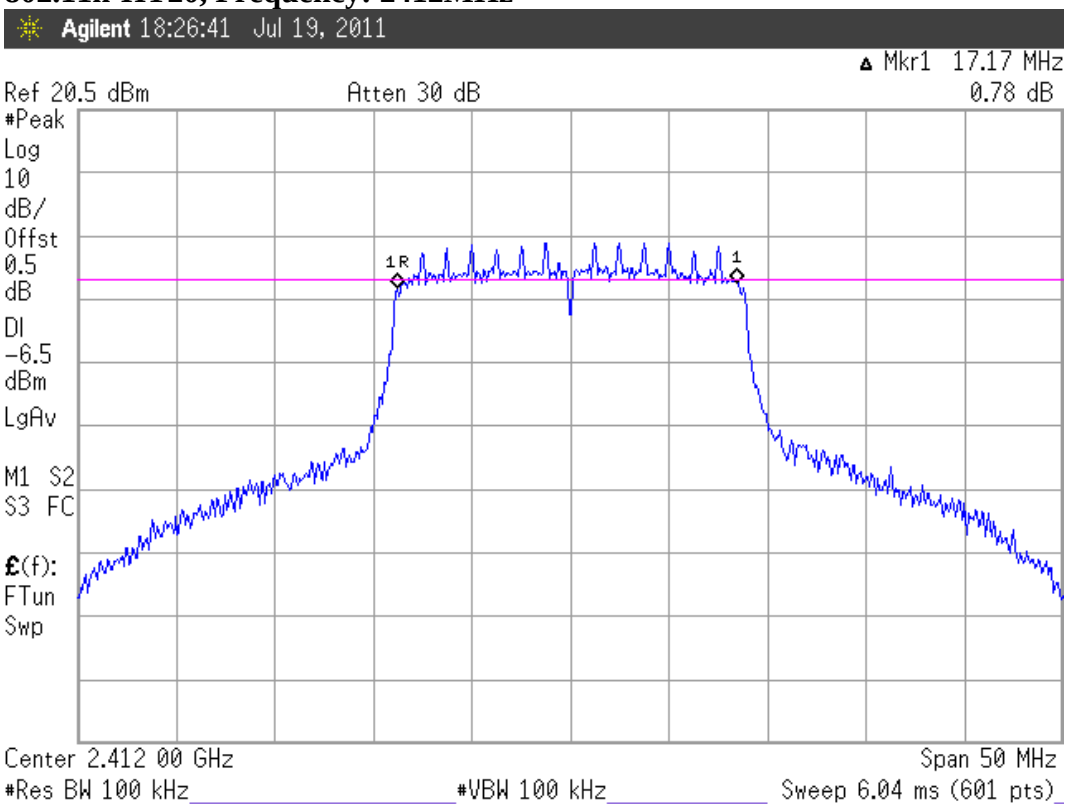
802.11g, Frequency: 2437MHz



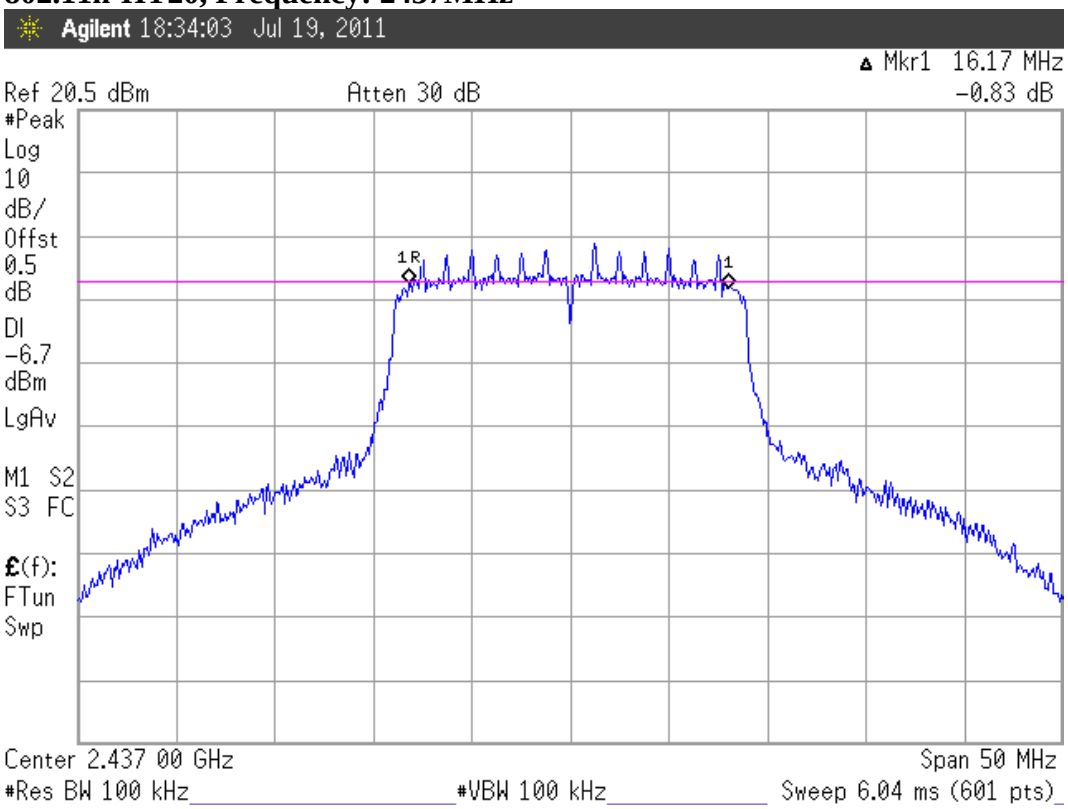
802.11g, Frequency: 2462MHz



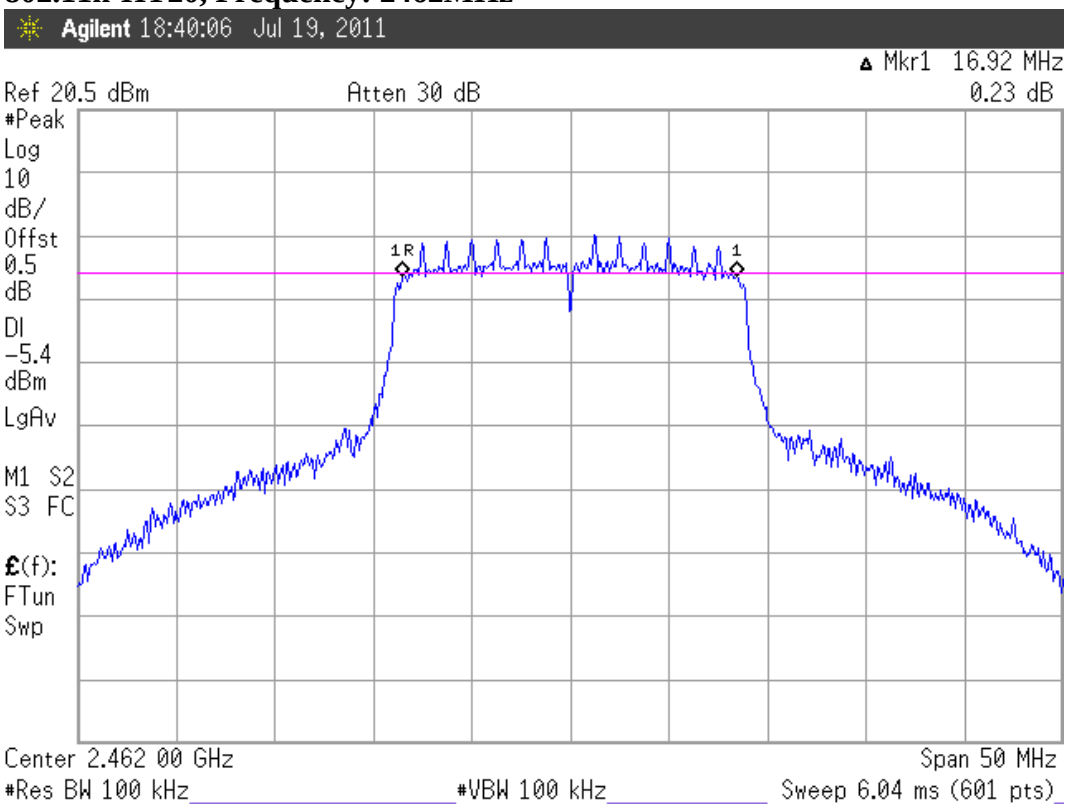
802.11n-HT20, Frequency: 2412MHz



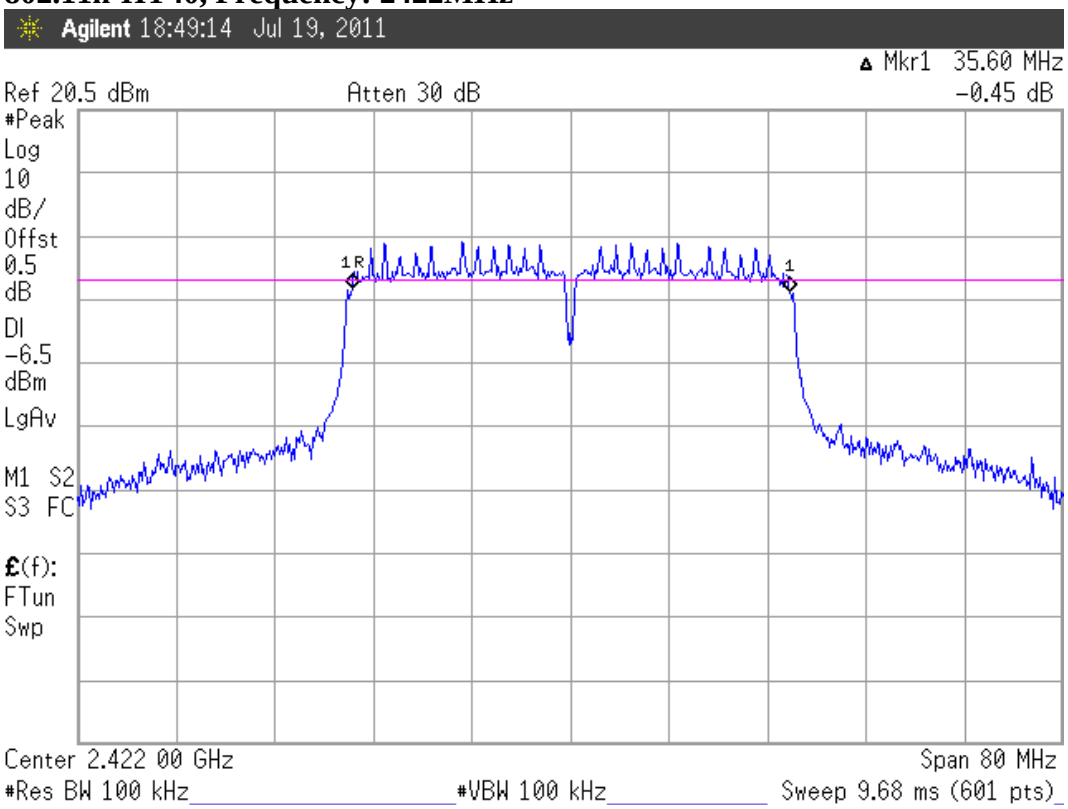
802.11n-HT20, Frequency: 2437MHz



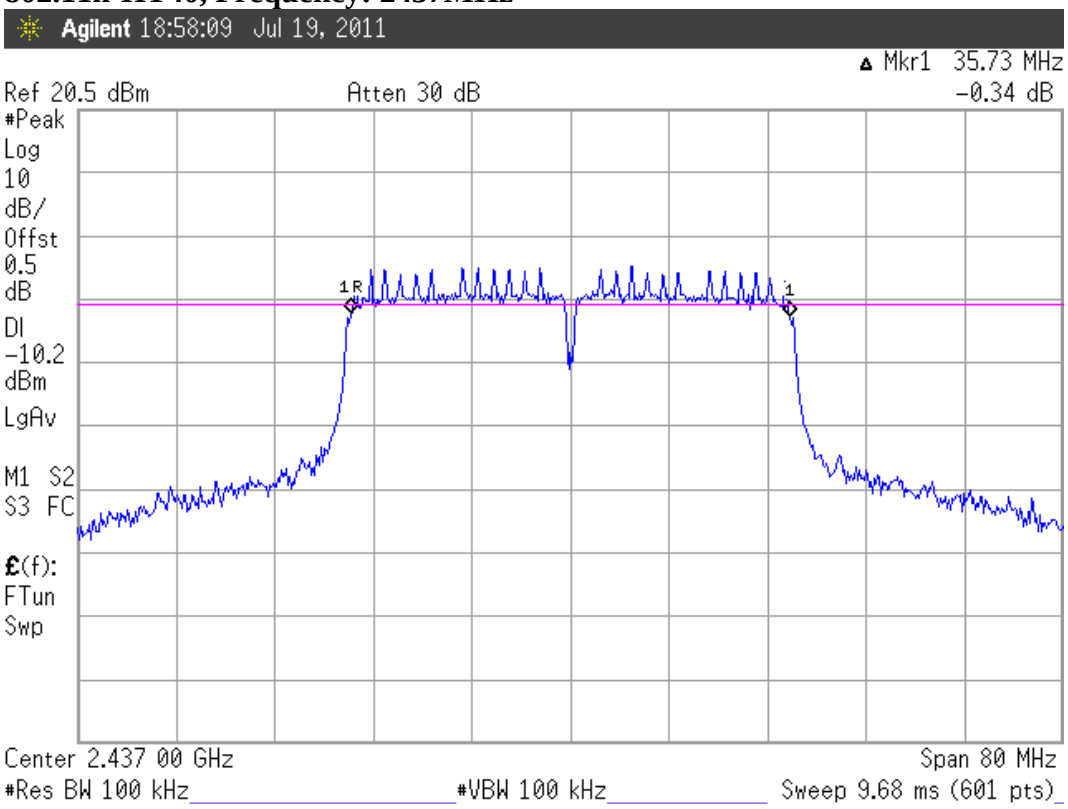
802.11n-HT20, Frequency: 2462MHz



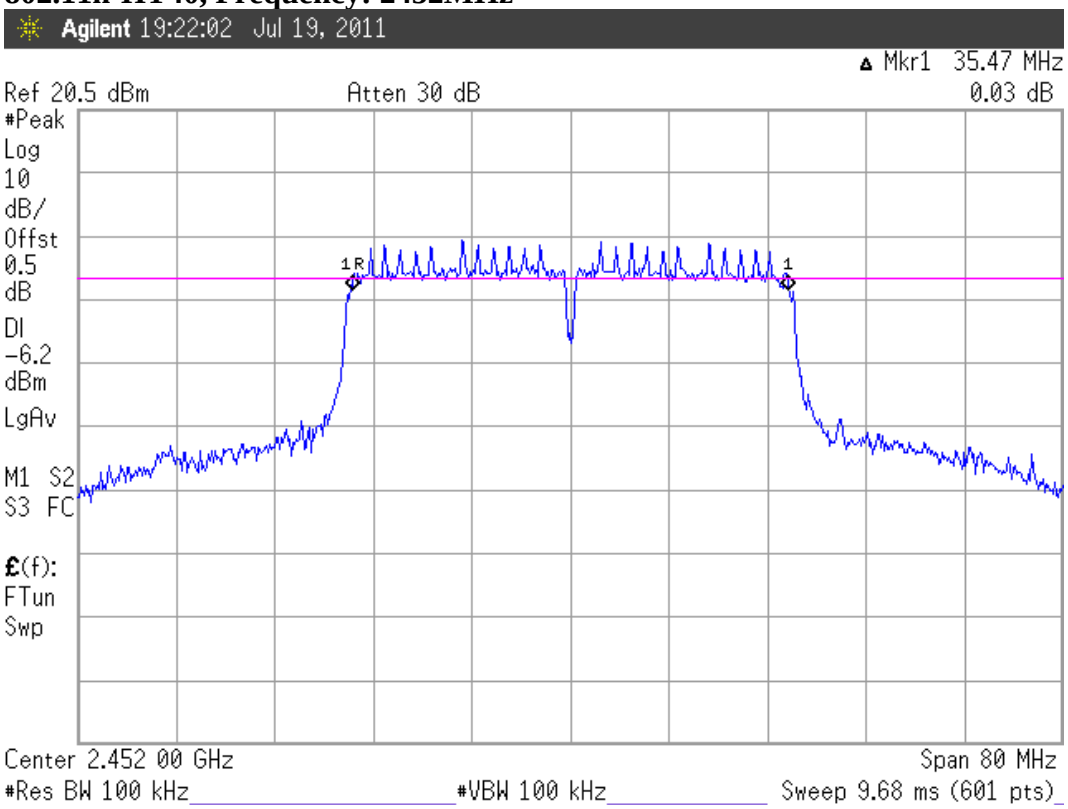
802.11n-HT40, Frequency: 2422MHz



802.11n-HT40, Frequency: 2437MHz



802.11n-HT40, Frequency: 2452MHz



5. MAXIMUM PEAK OUTPUT POWER MEASUREMENT

5.1. Test Equipment

The following test equipment was used during the maximum peak output power measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’

5.2. Block Diagram of Test Setup

The same as section.4.2.

5.3. Specification Limits (§15.247(b)-(3))

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is: 1Watt. (30dBm)

5.4. Operating Condition of EUT

The test program “Ralink Wireless Utility” was used to enable the EUT to transmit data at different channel frequency individually.

5.5. Test Procedure

Setting span to encompass the entire bandwidth and RBW=1MHz, VBW≧3MHz, sample detector was used for bin width < 0.5 RBW. After averaging 100 traces, we use the integrated power function of spectrum to couput power by integrating the spectrum across the 26 dB emission bandwidth.
The measurement guideline was according to KDB 558074.

5.6. Test Results

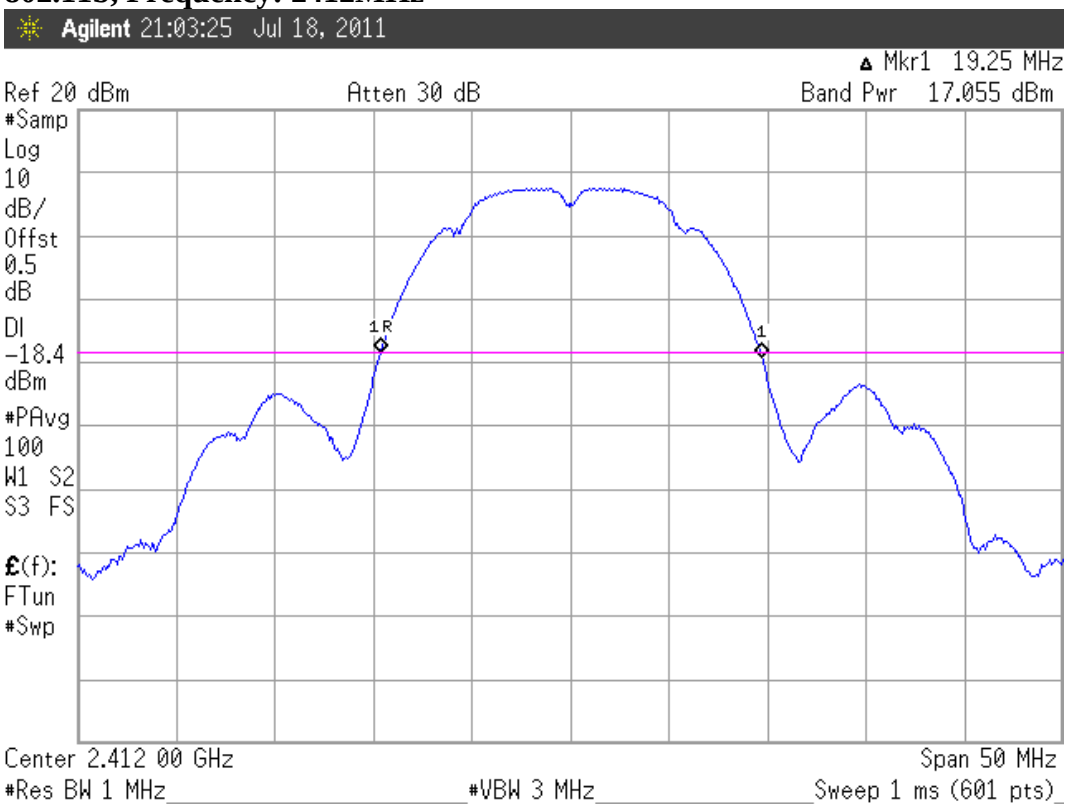
PASSED. All the test results are listed below.

Test Date: Jul. 18, 2011 Temperature : 26℃ Humidity : 52 %

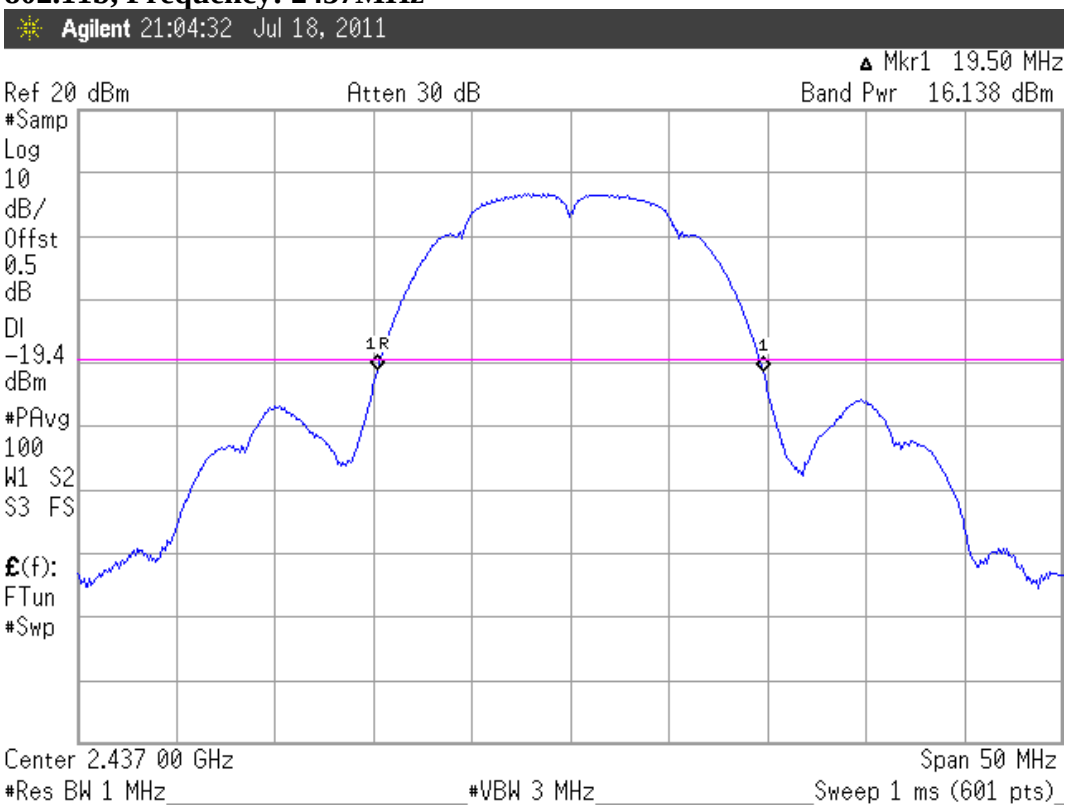
Mode	Type of Network	Channel	Frequency	**Peak Output Power (dBm)**
1.	802.11b	CH 1	2412MHz	**17.055dBm**
2.		CH 6	2437MHz	**16.138dBm**
3.		CH 11	2462MHz	**17.167dBm**
4.	802.11g	CH 1	2412MHz	**14.016dBm**
5.		CH 6	2437MHz	**14.867dBm**
6.		CH 11	2462MHz	**14.300dBm**
7.	802.11n-HT20	CH 1	2412MHz	**13.944dBm**
8.		CH 6	2437MHz	**12.266dBm**
9.		CH 11	2462MHz	**13.629dBm**
10.	802.11n-HT40	CH 3	2422MHz	**14.042dBm**
11.		CH 6	2437MHz	**13.910dBm**
12.		CH 9	2452MHz	**13.714dBm**

[Limit: 1Watt. (30dBm)]

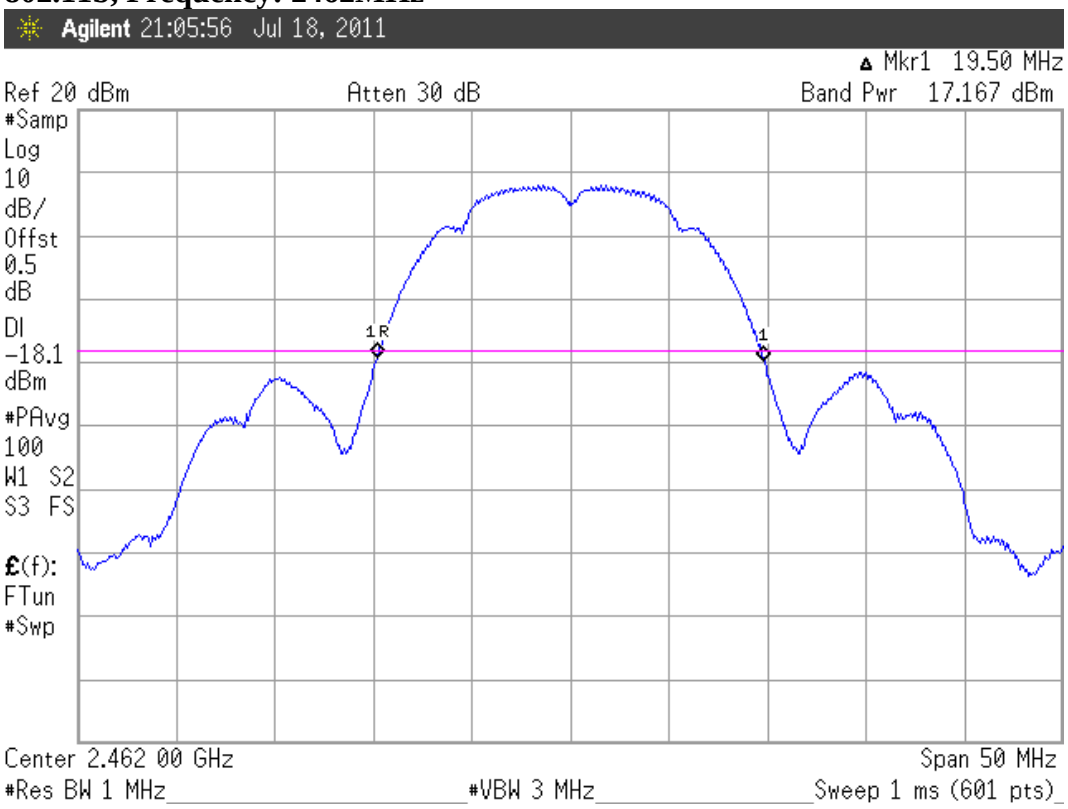
802.11b, Frequency: 2412MHz



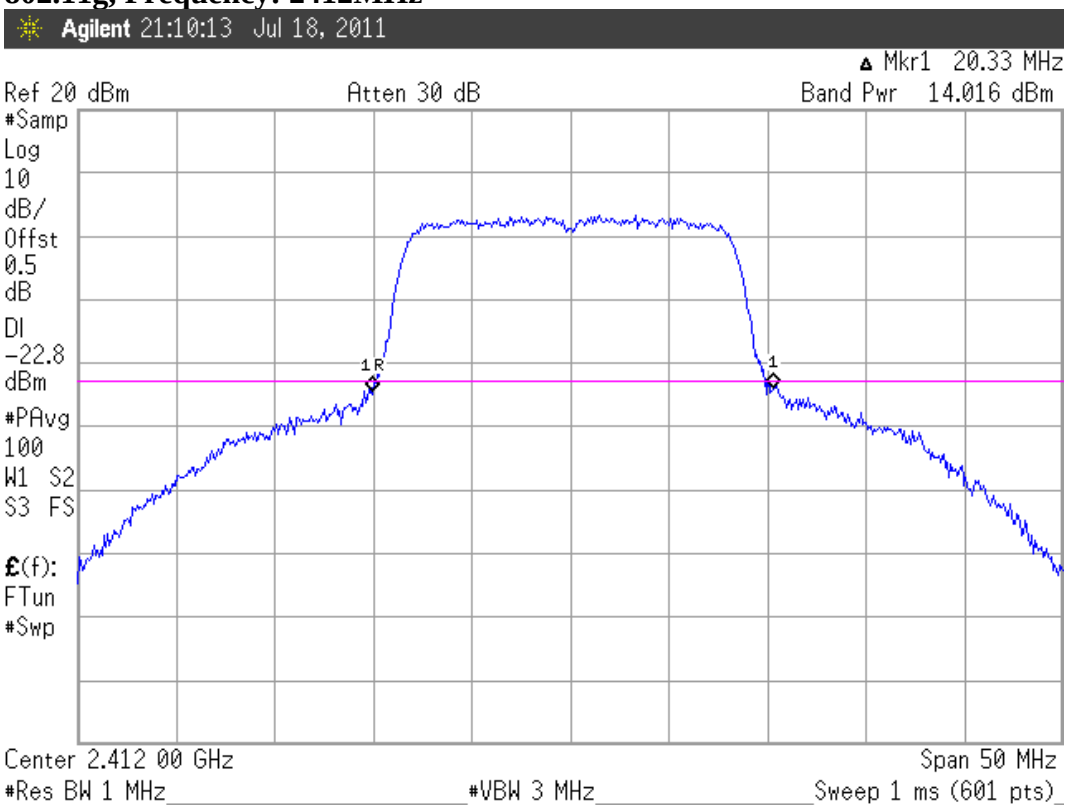
802.11b, Frequency: 2437MHz



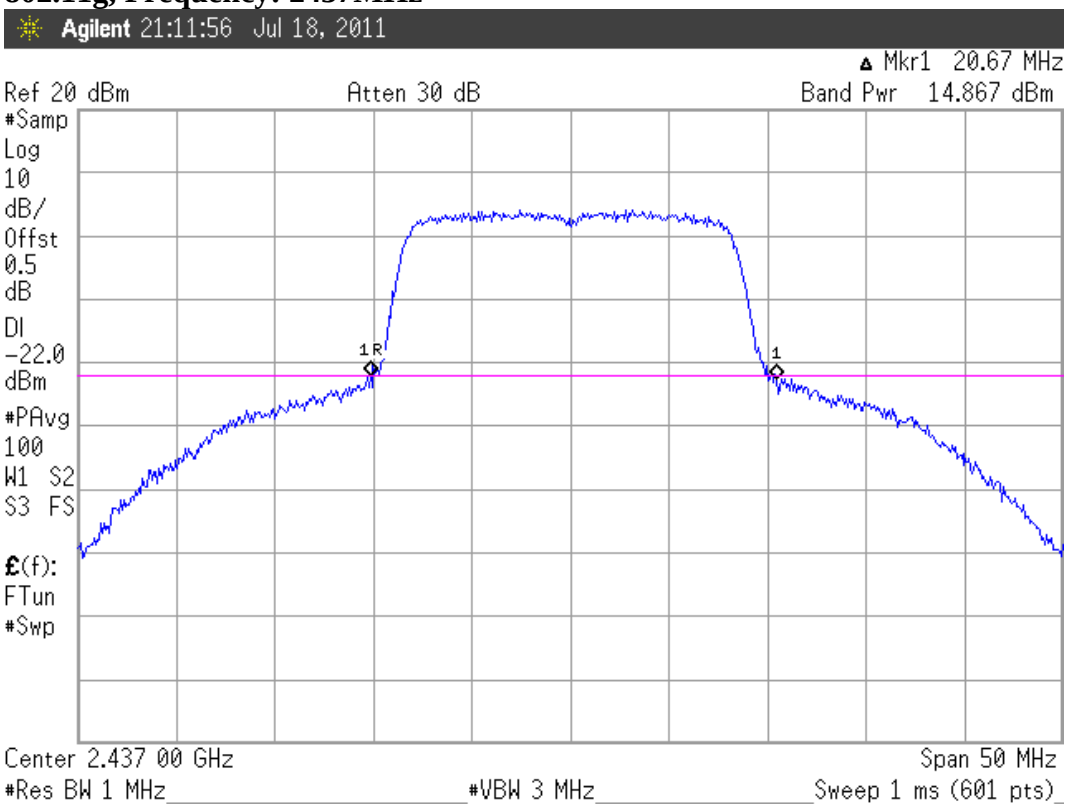
802.11b, Frequency: 2462MHz



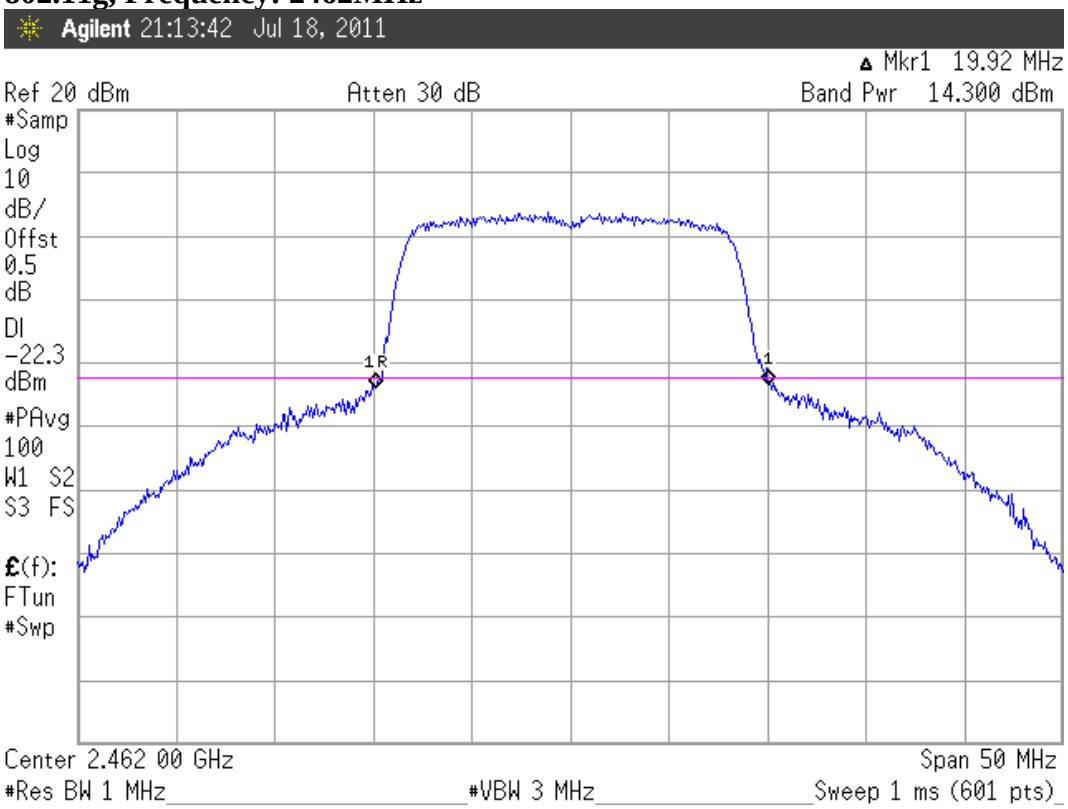
802.11g, Frequency: 2412MHz



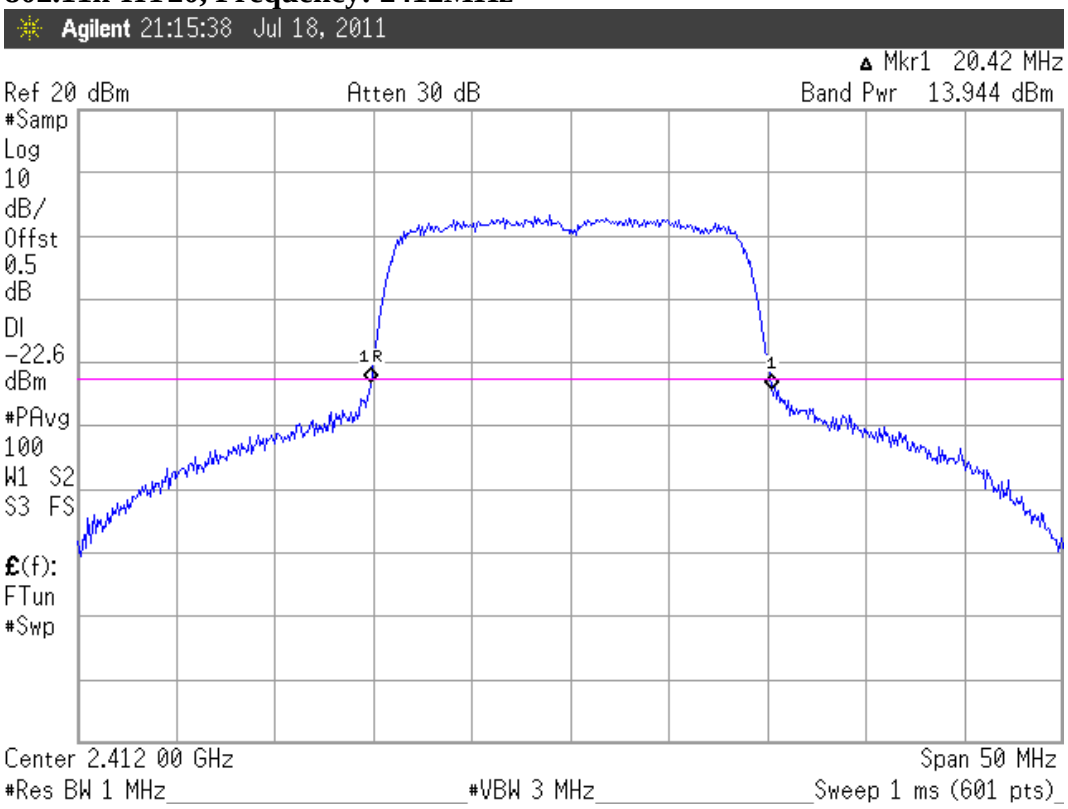
802.11g, Frequency: 2437MHz



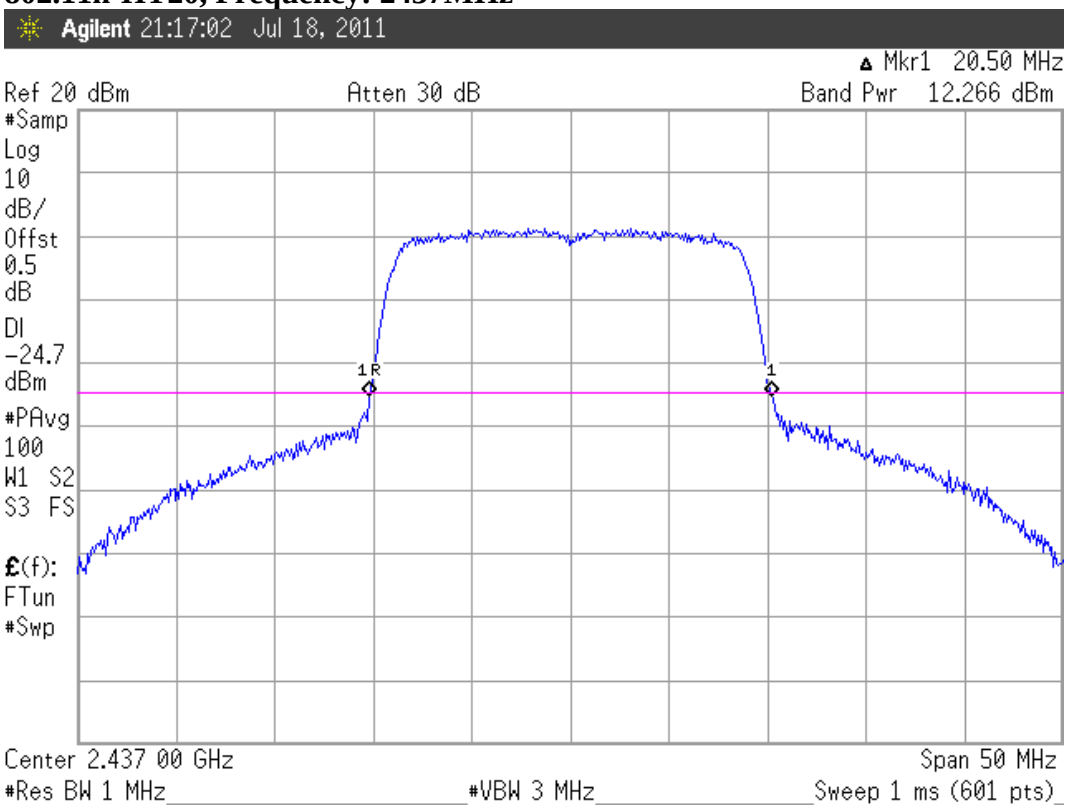
802.11g, Frequency: 2462MHz



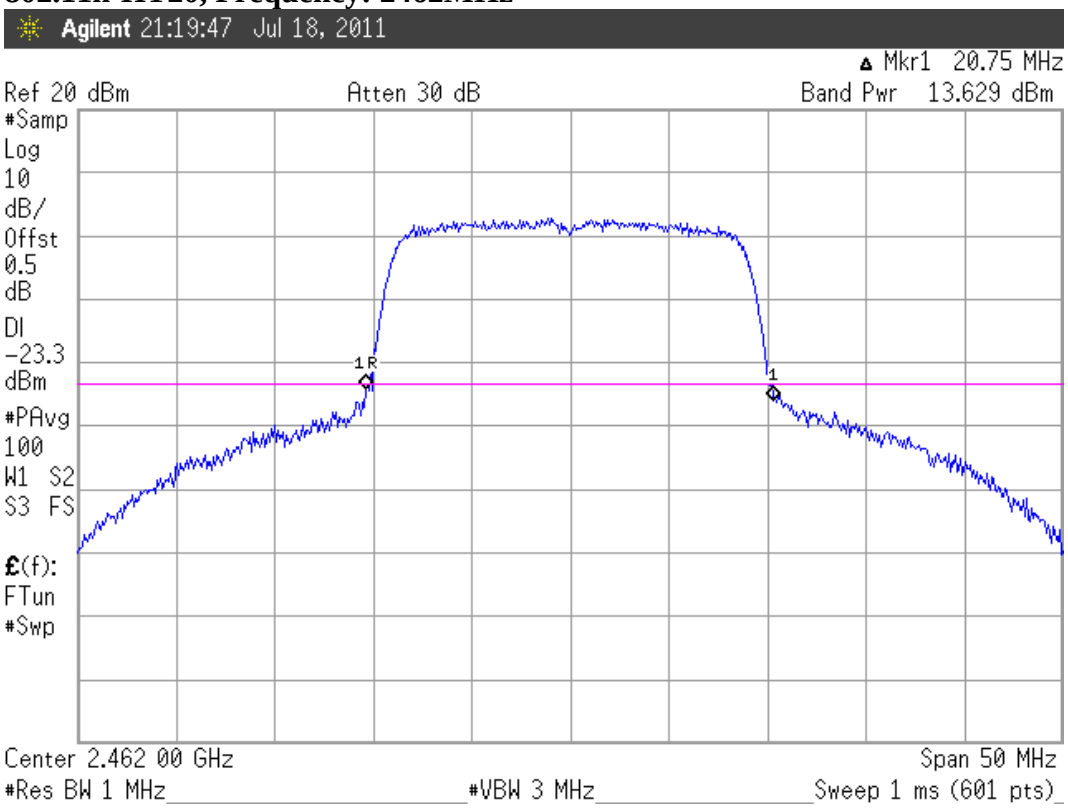
802.11n-HT20, Frequency: 2412MHz



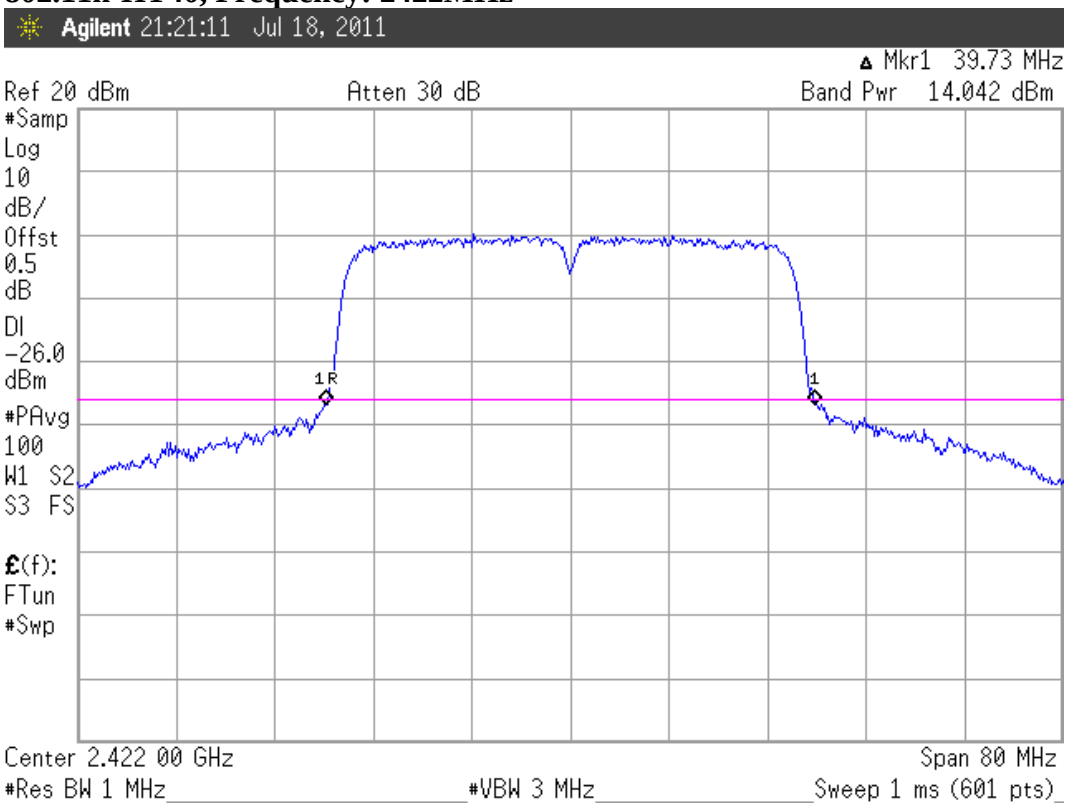
802.11n-HT20, Frequency: 2437MHz



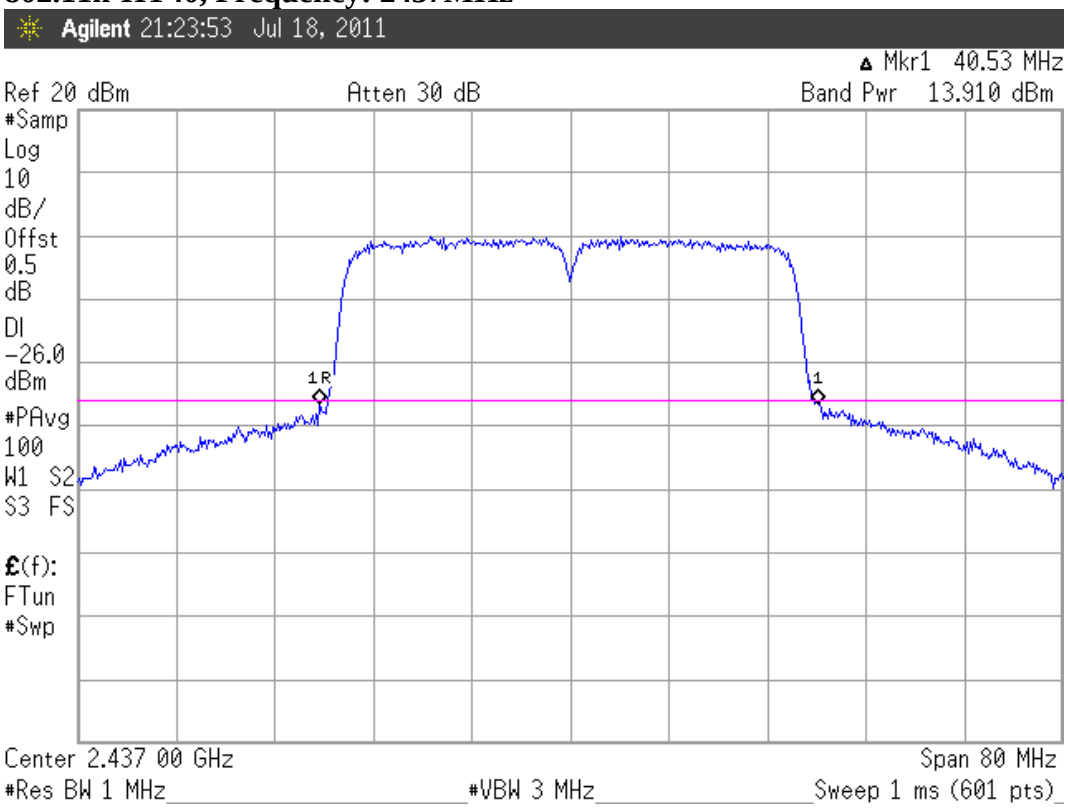
802.11n-HT20, Frequency: 2462MHz



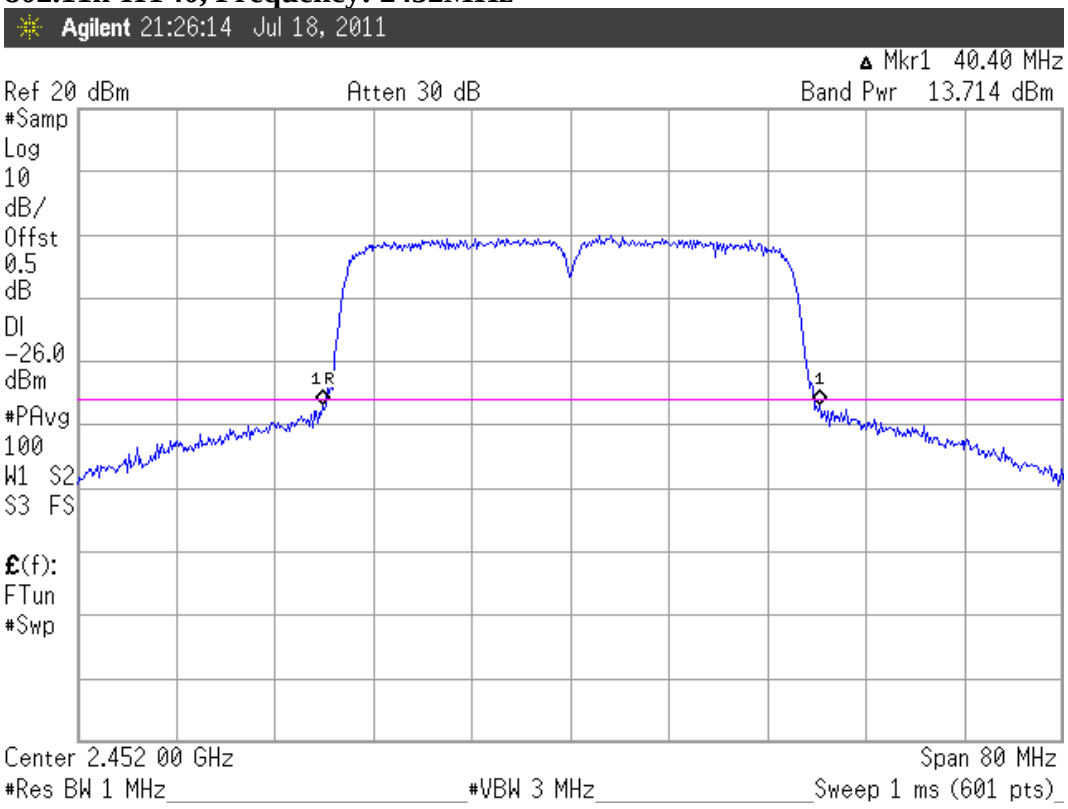
802.11n-HT40, Frequency: 2422MHz



802.11n-HT40, Frequency: 2437MHz



802.11n-HT40, Frequency: 2452MHz



6. EMISSION LIMITATIONS MEASUREMENT

6.1. Test Equipment

The following test equipment was used during the emission limitations test：

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’

6.2. Block Diagram of Test Setup

The same as section.4.2.

6.3. Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)).(※ This test result attaching to §3.6.3)

6.4. Operating Condition of EUT

The test program “Ralink Wireless Utility” was used to enable the EUT to transmit data at different channel frequency individually.

6.5. Test Procedure

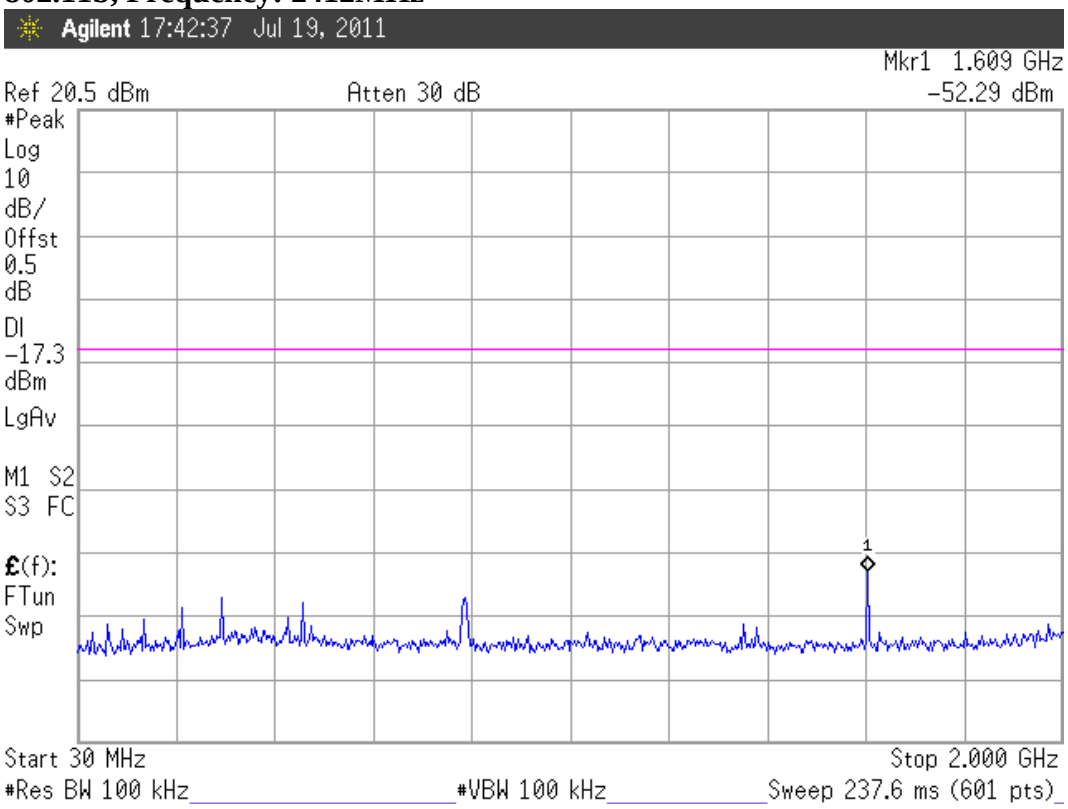
The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW.
The measurement guideline was according to KDB 558074.

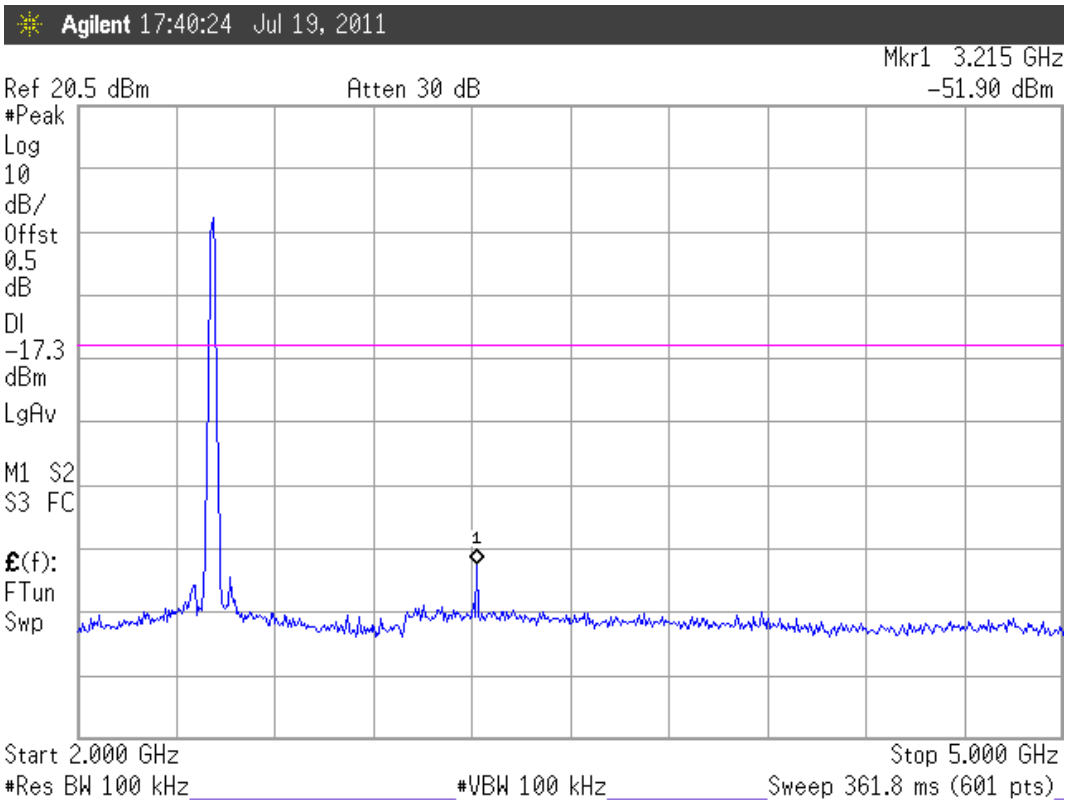
6.6. Test Results

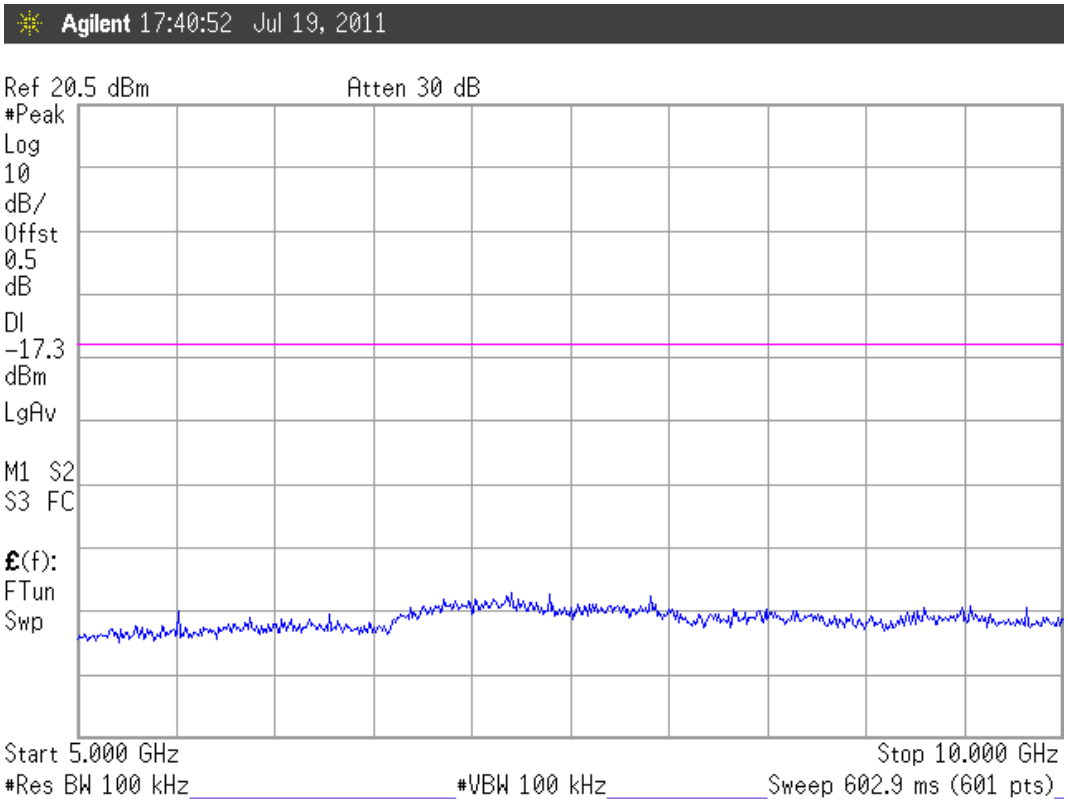
PASSED. The testing data was attached in the next pages.

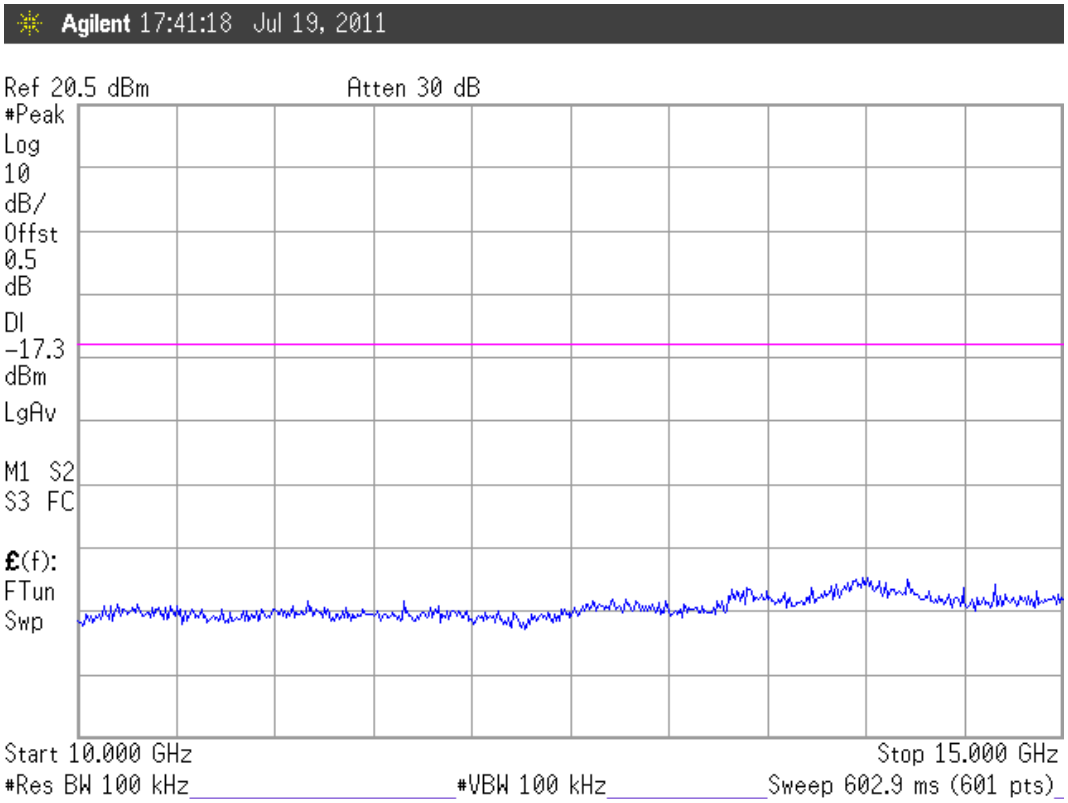
Test Date: Jun. 19, 2011 Temperature : 26℃ Humidity : 49 %

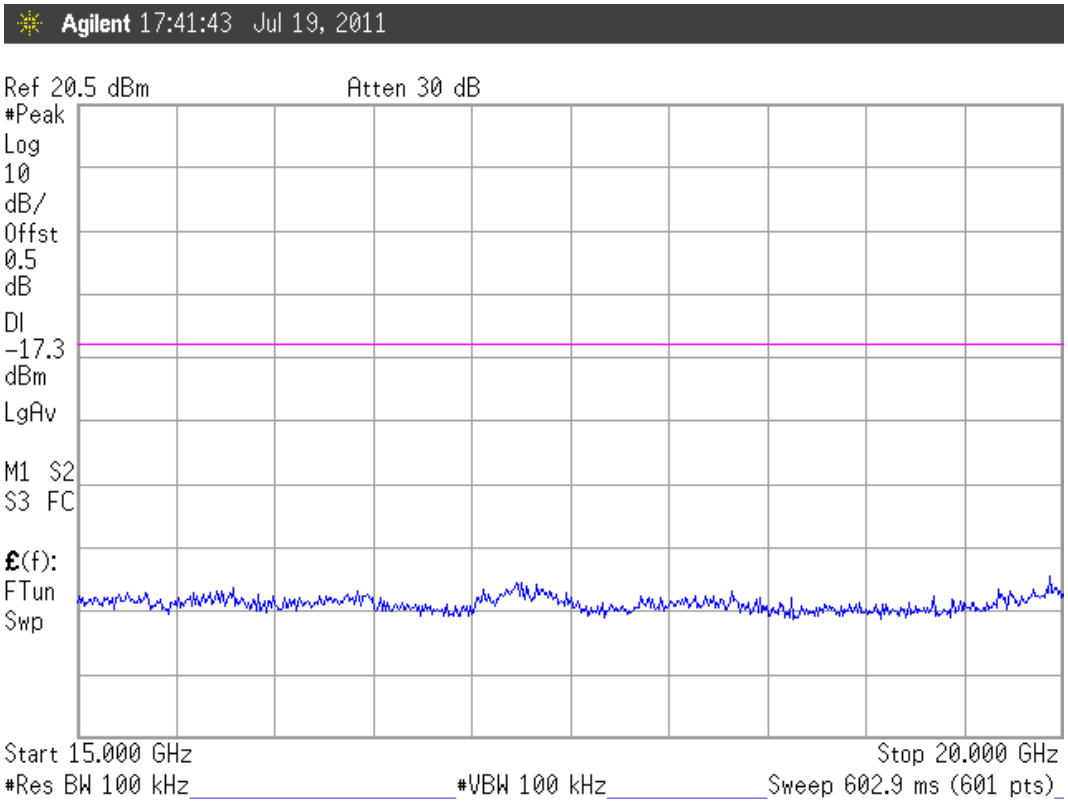
802.11b, Frequency: 2412MHz

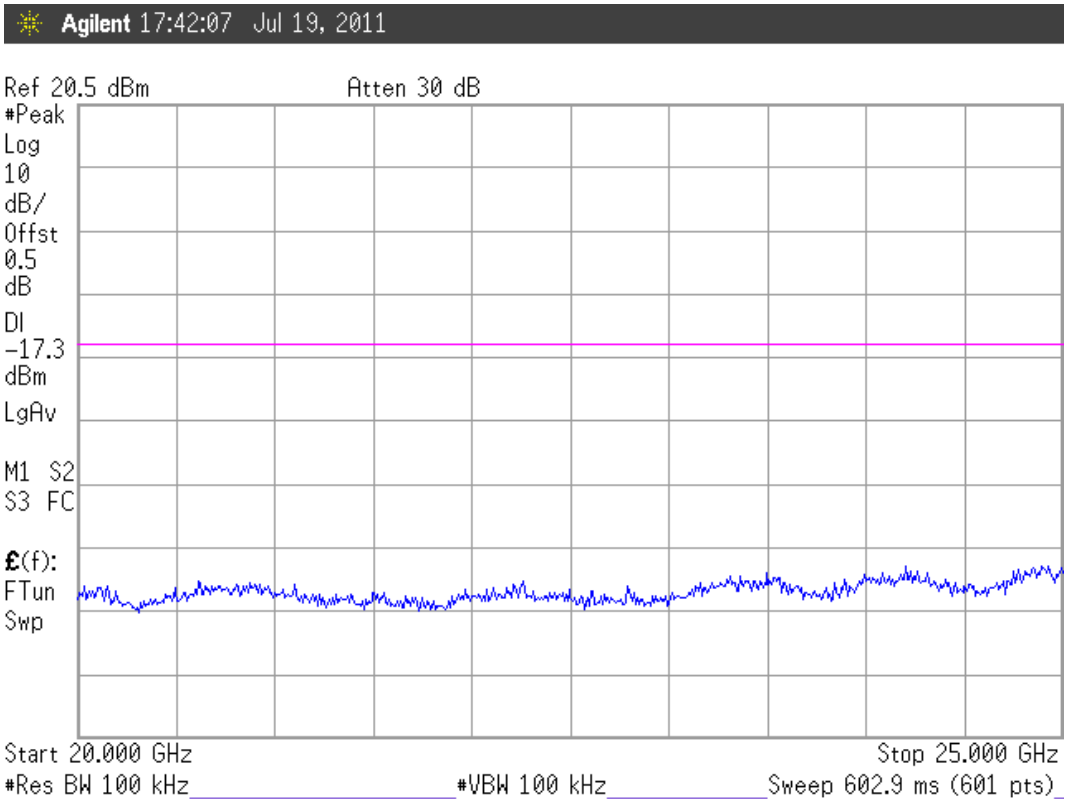




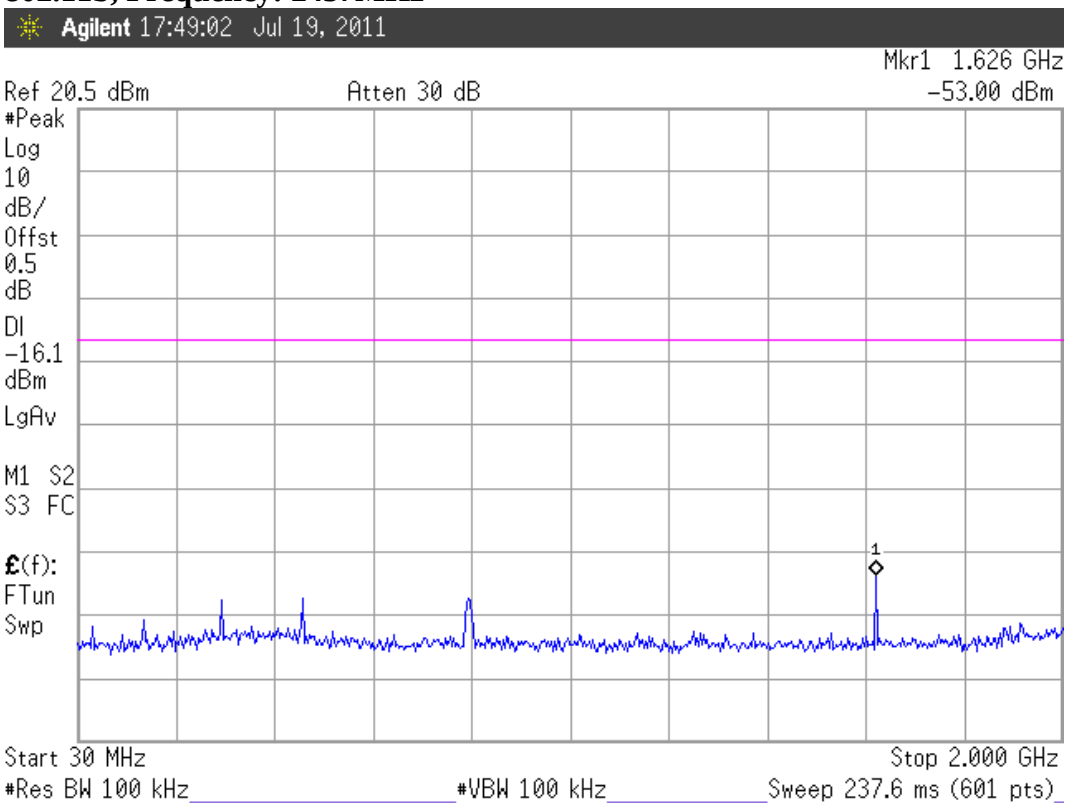

Agilent 17:40:52 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

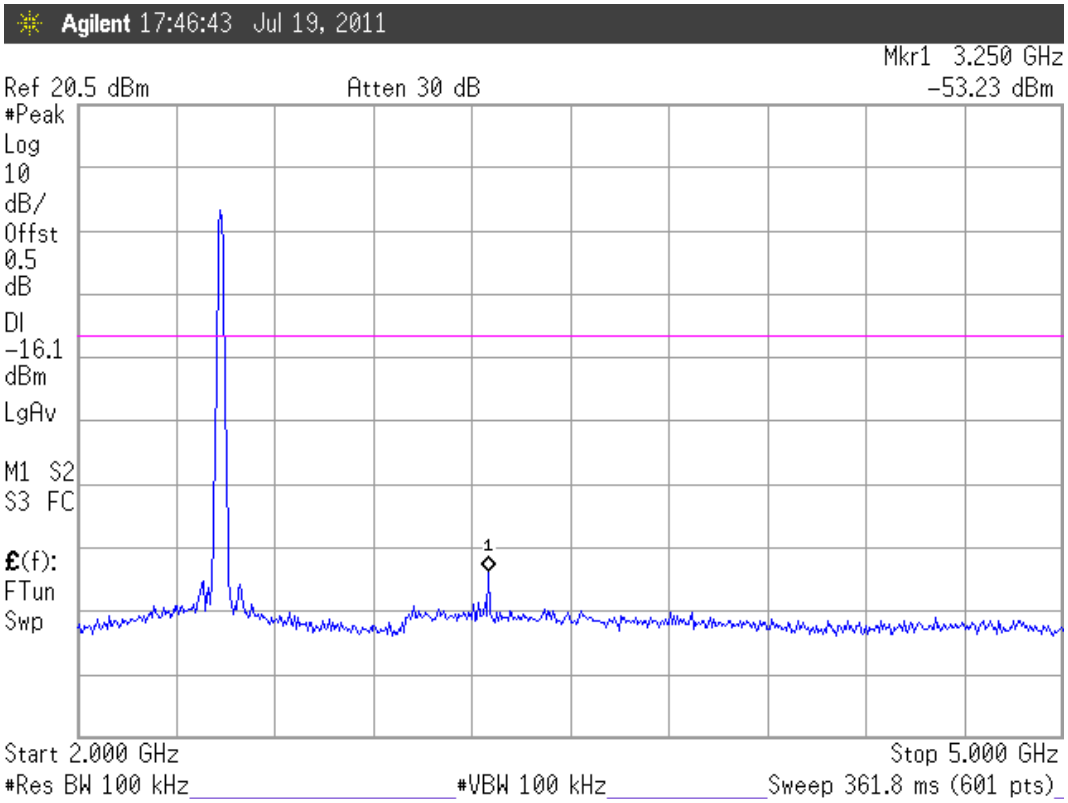

Agilent 17:41:18 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

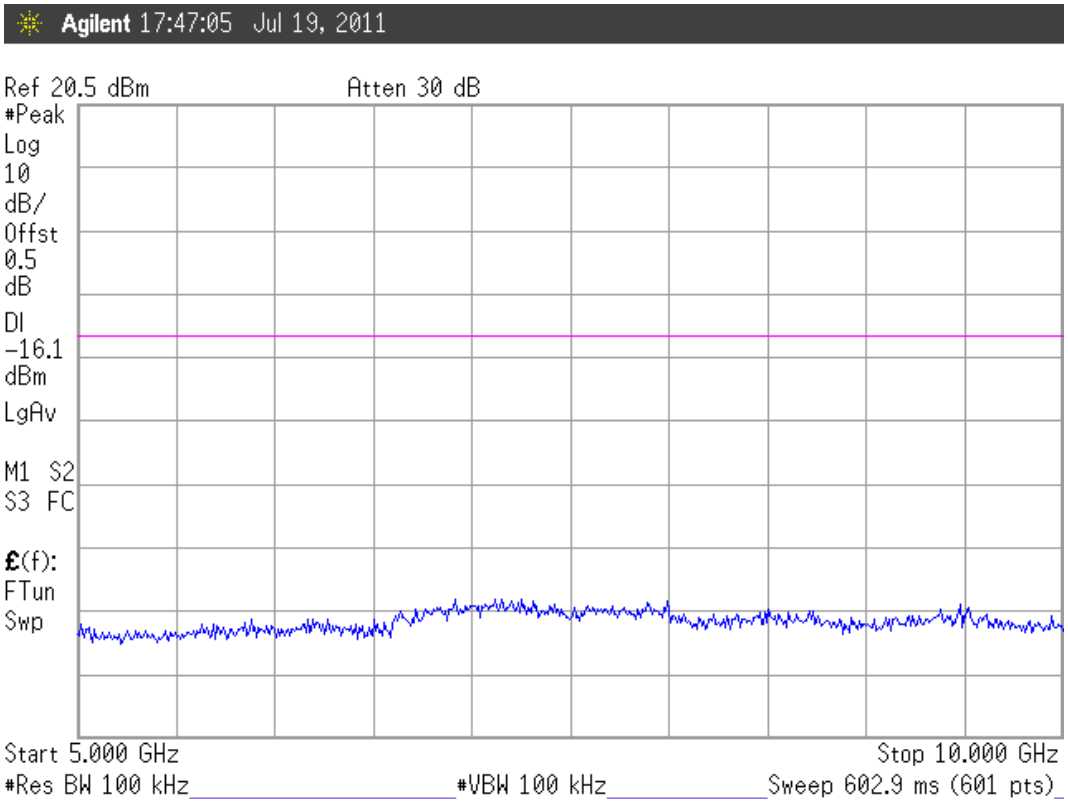

Agilent 17:41:43 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

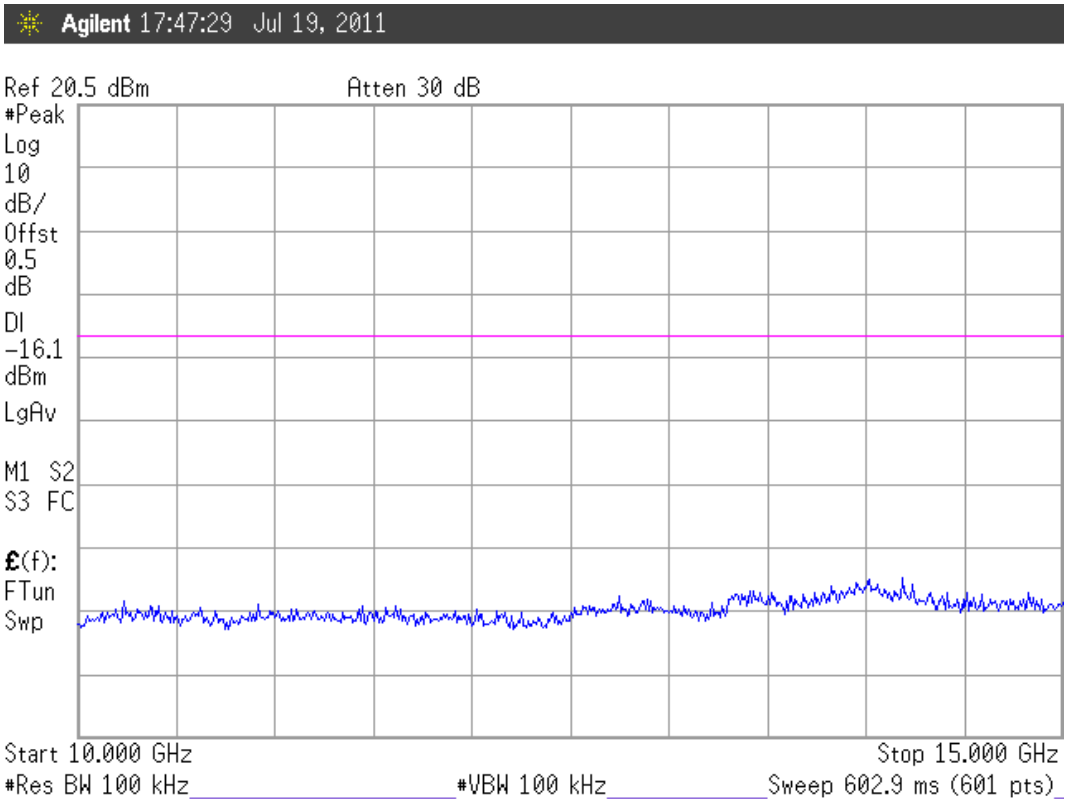

Agilent 17:42:07 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

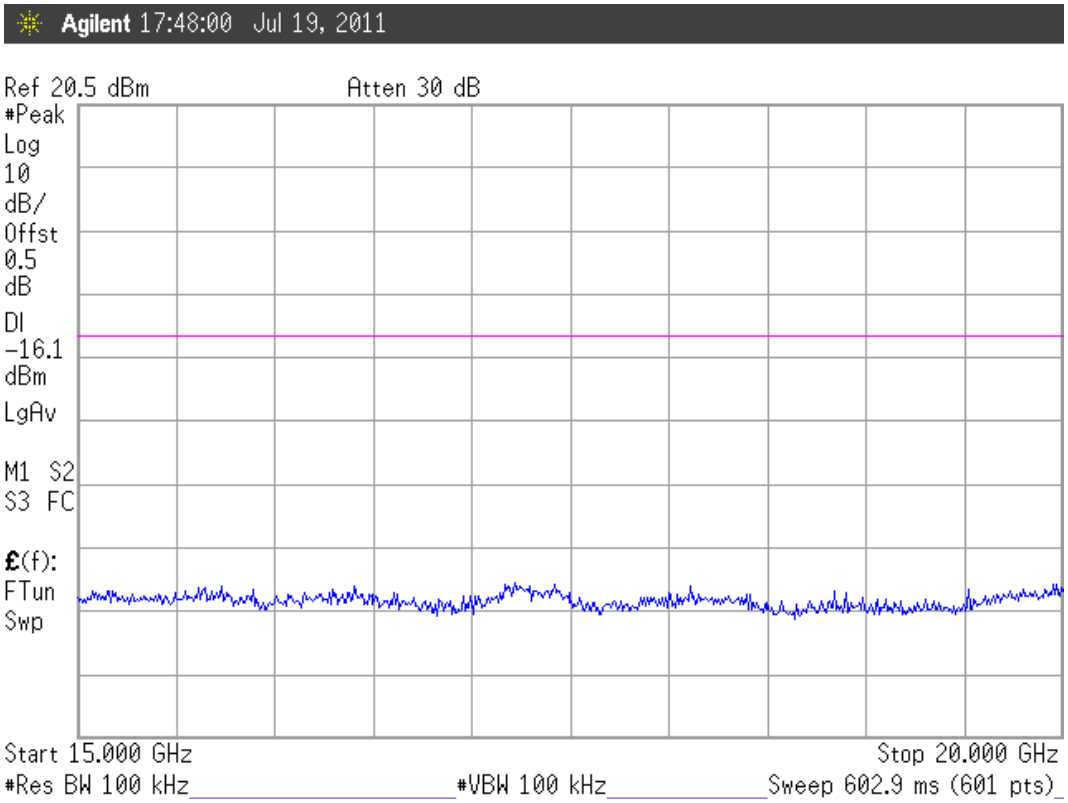
802.11b, Frequency: 2437MHz

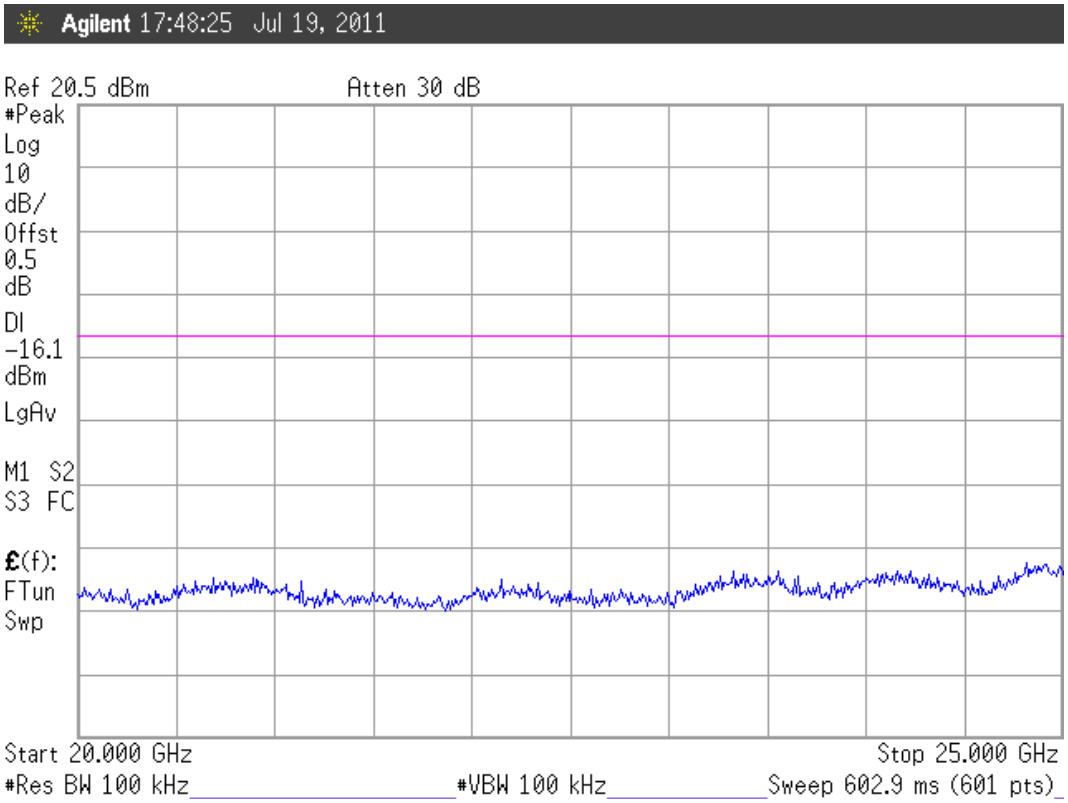




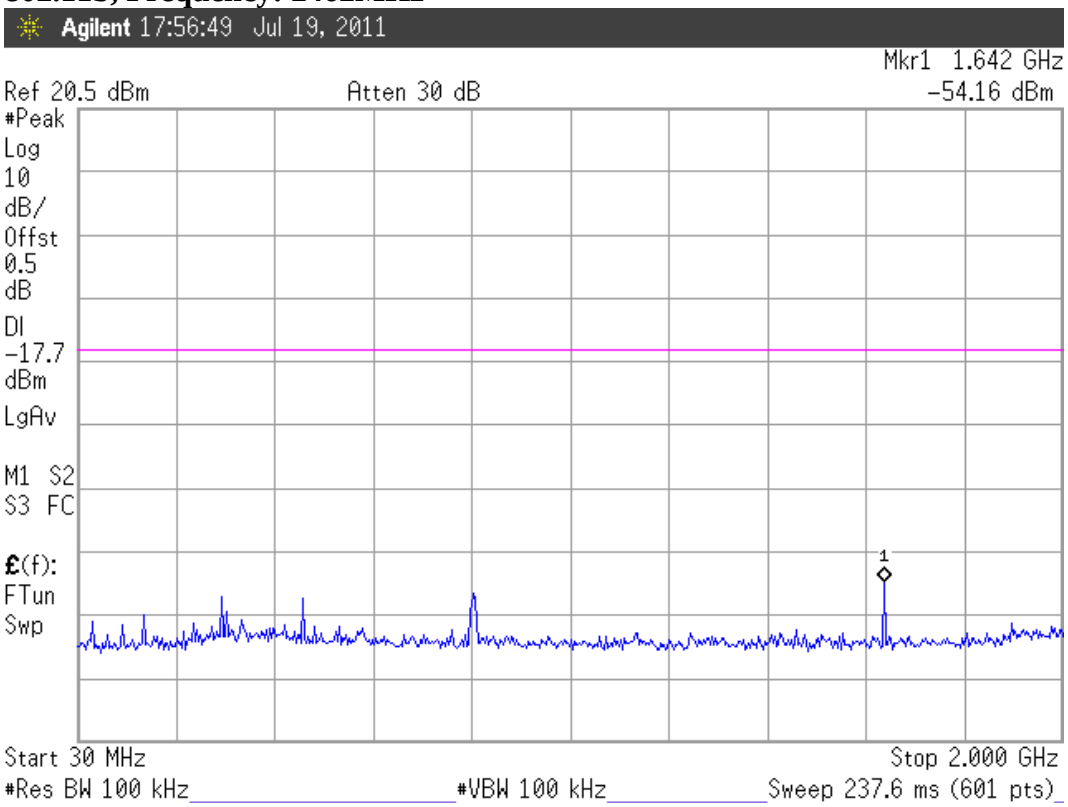

Agilent 17:47:05 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-16.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

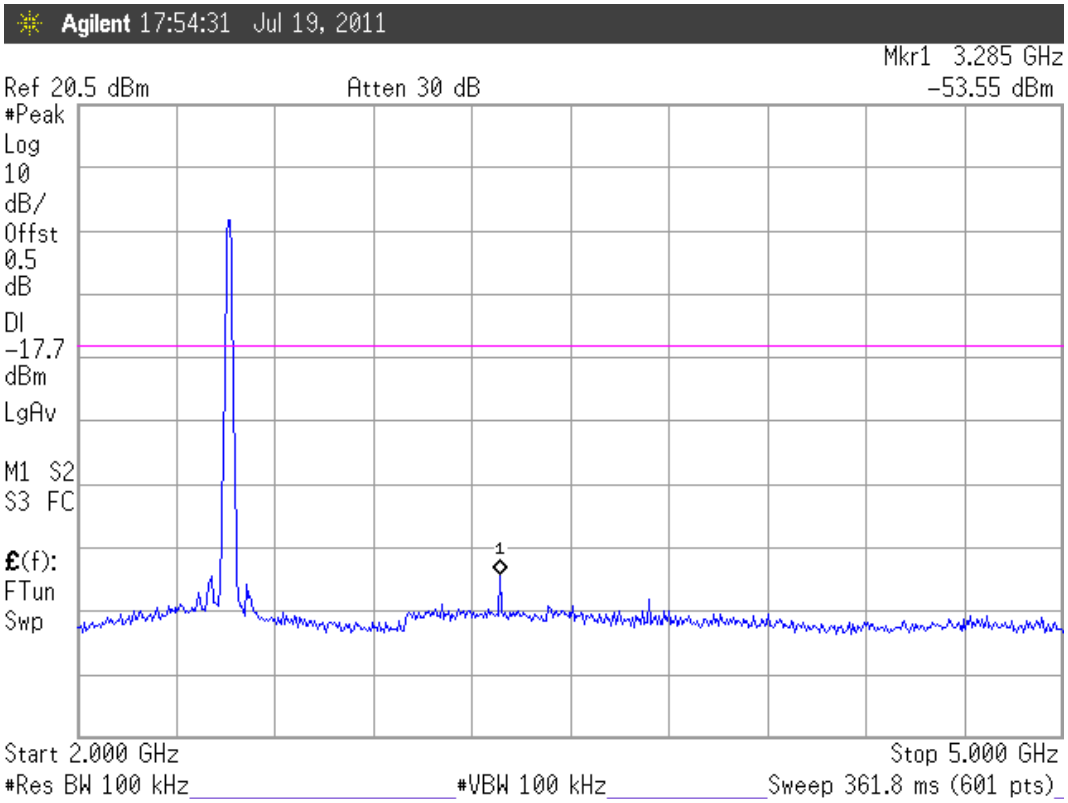

Agilent 17:47:29 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-16.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

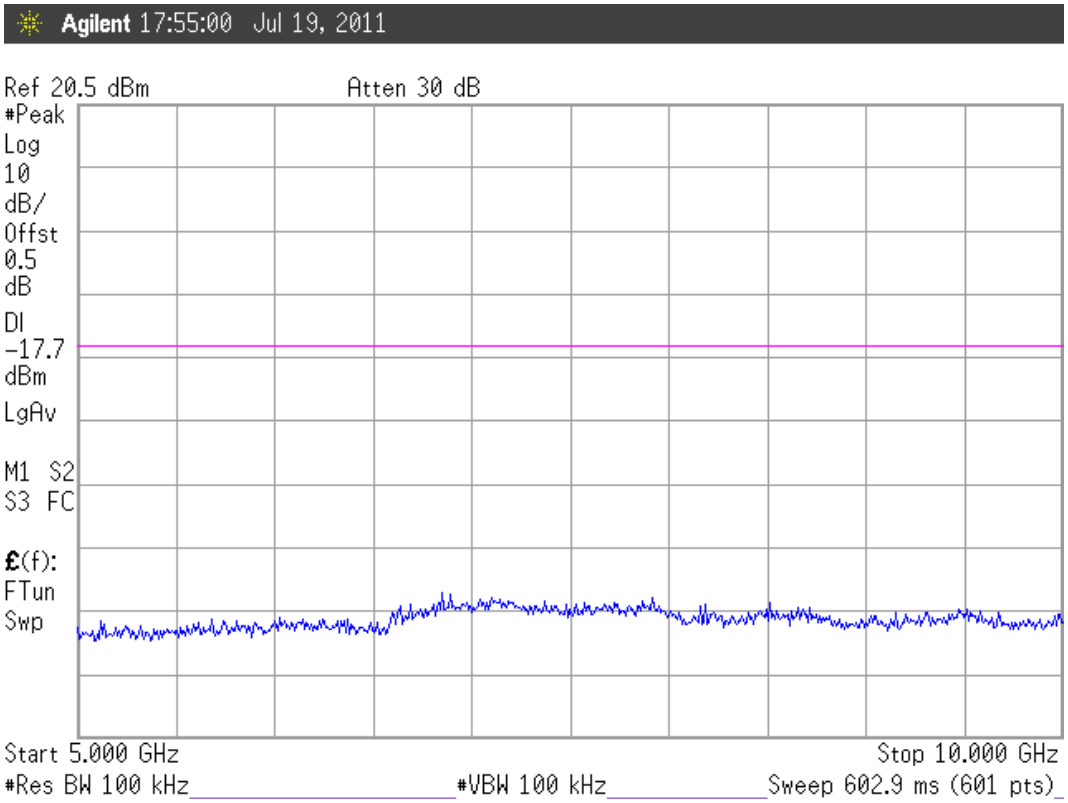

Agilent 17:48:00 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-16.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

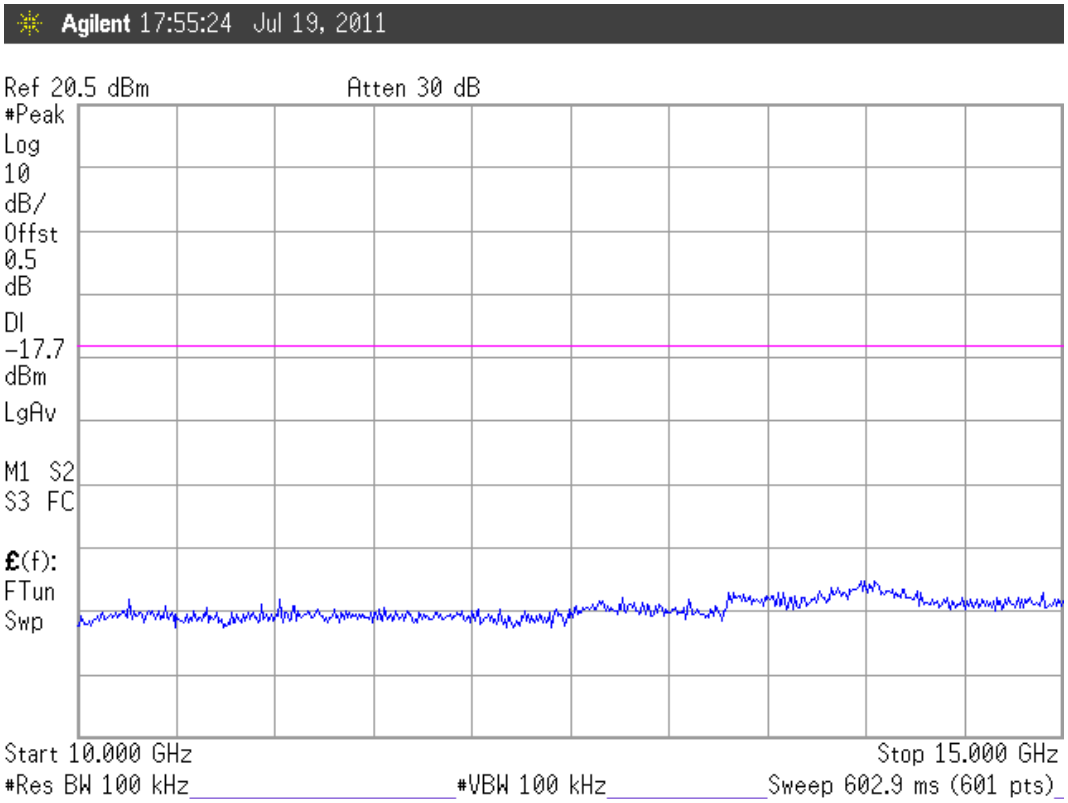

Agilent 17:48:25 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-16.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

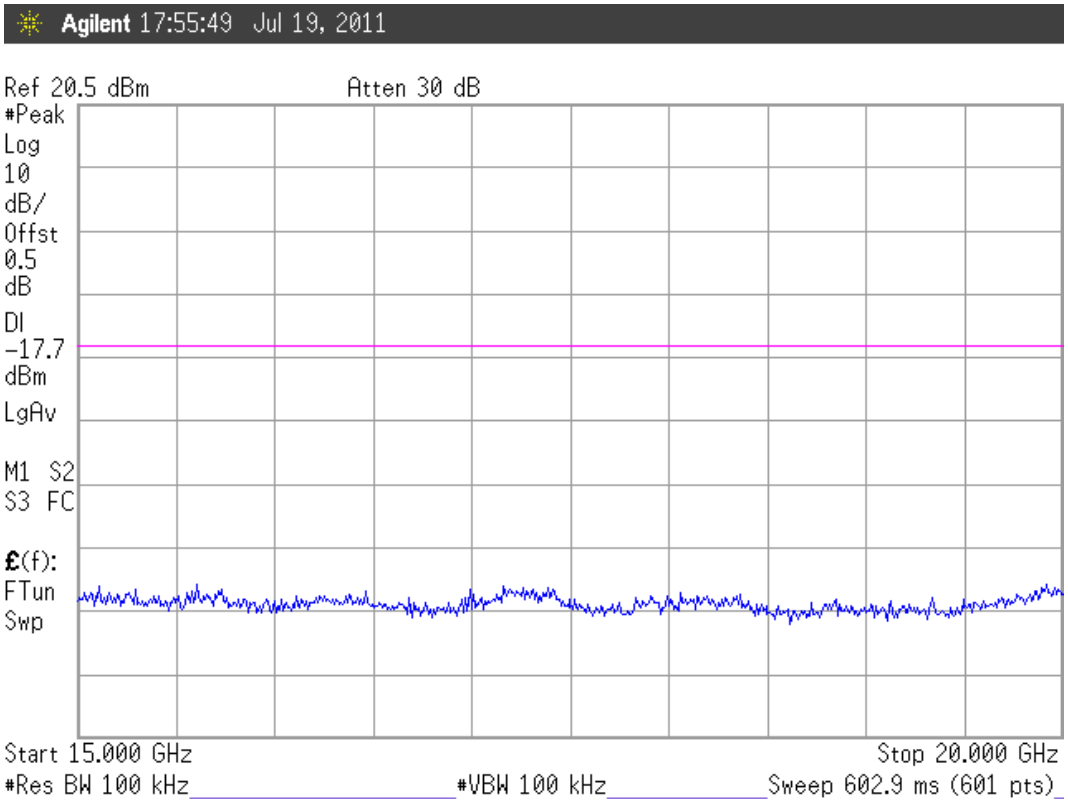
802.11b, Frequency: 2462MHz

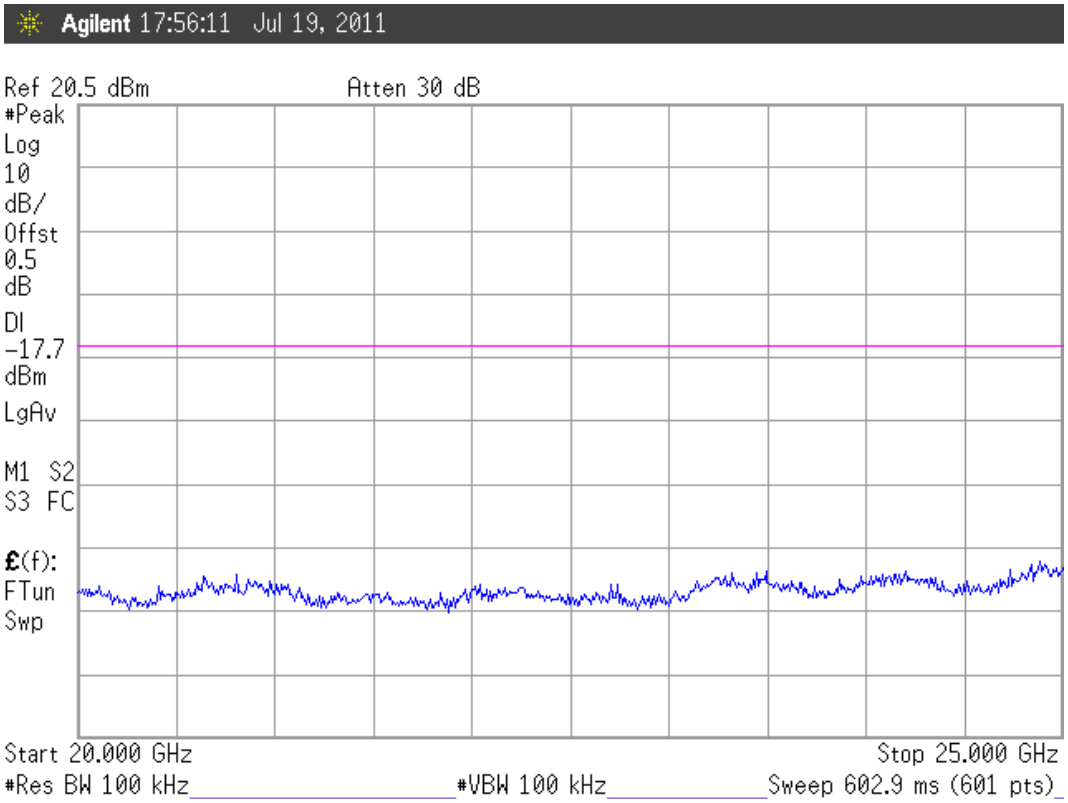




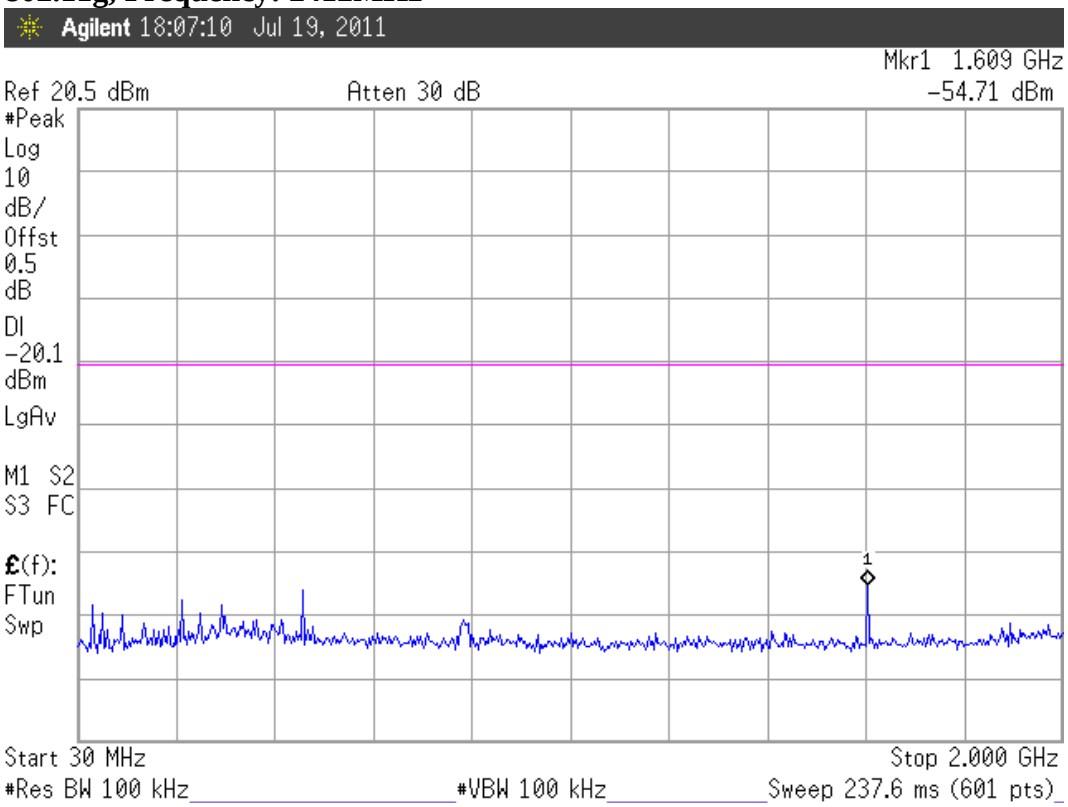

Agilent 17:55:00 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.7
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

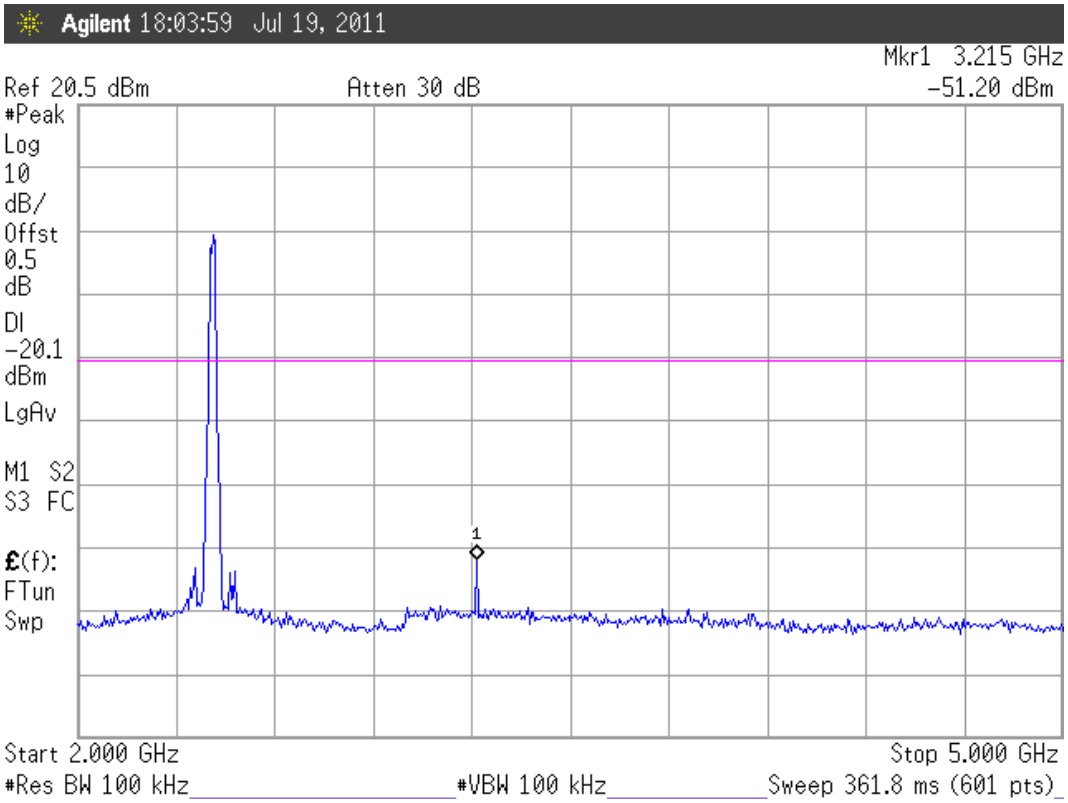

Agilent 17:55:24 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.7
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

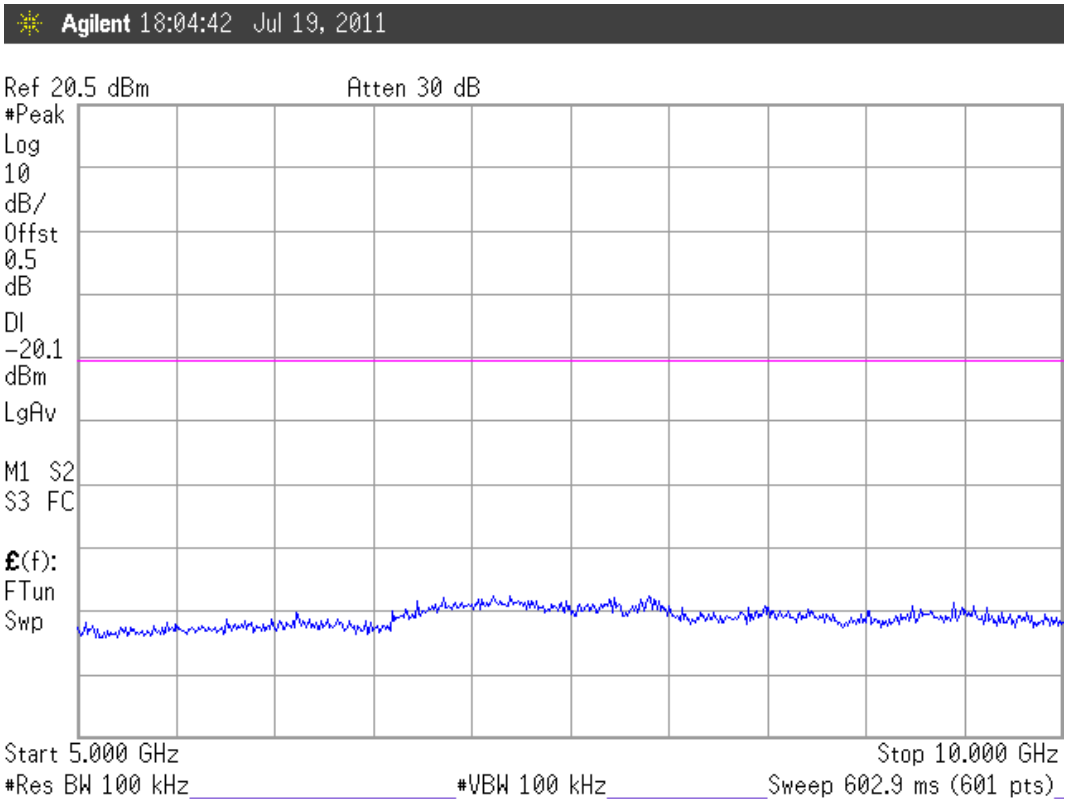

Agilent 17:55:49 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.7
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

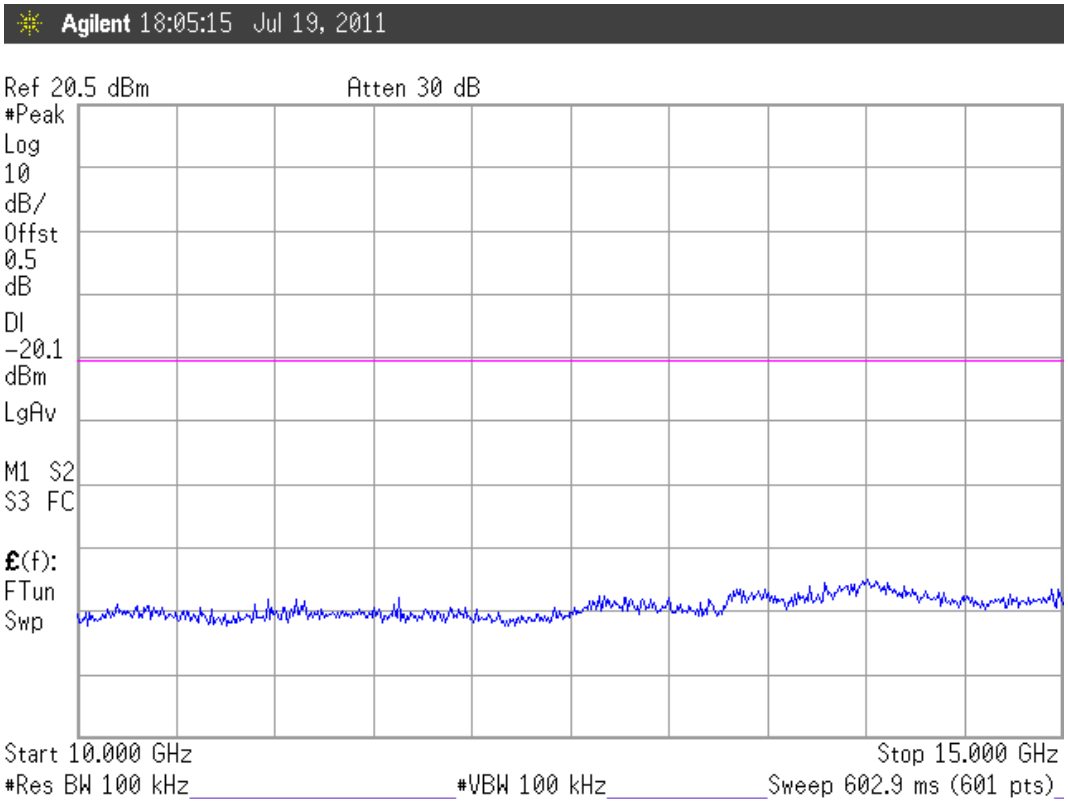

Agilent 17:56:11 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.7
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

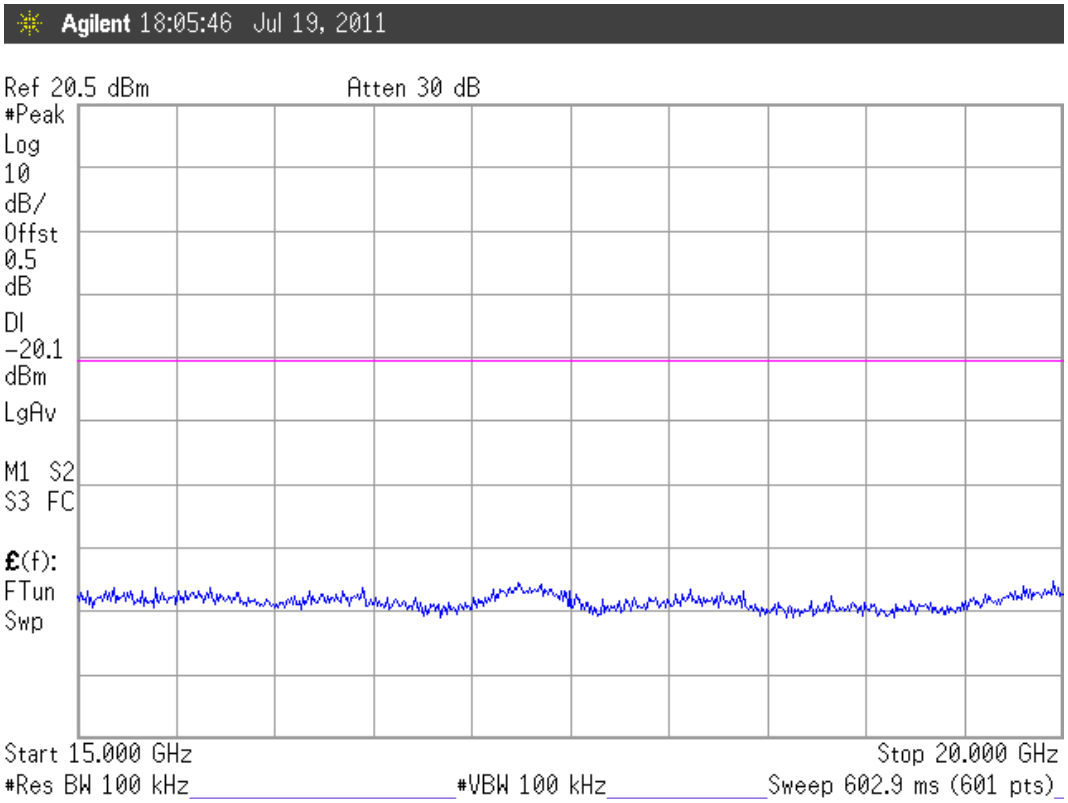
802.11g, Frequency: 2412MHz

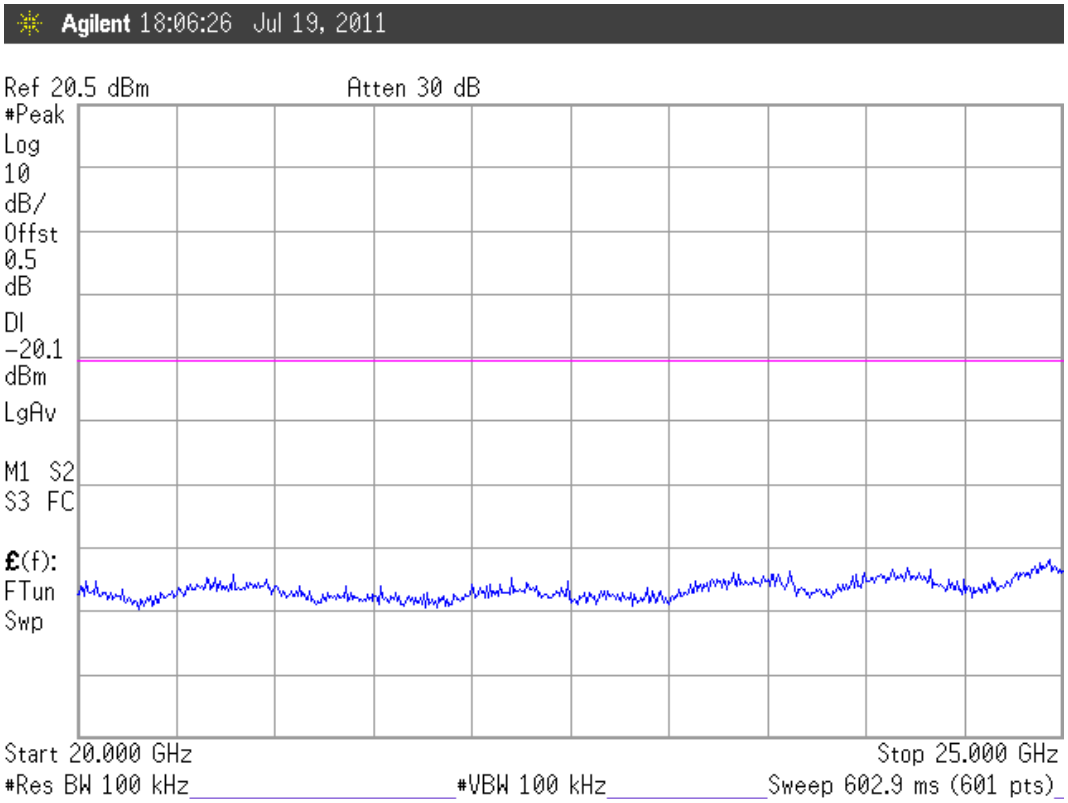




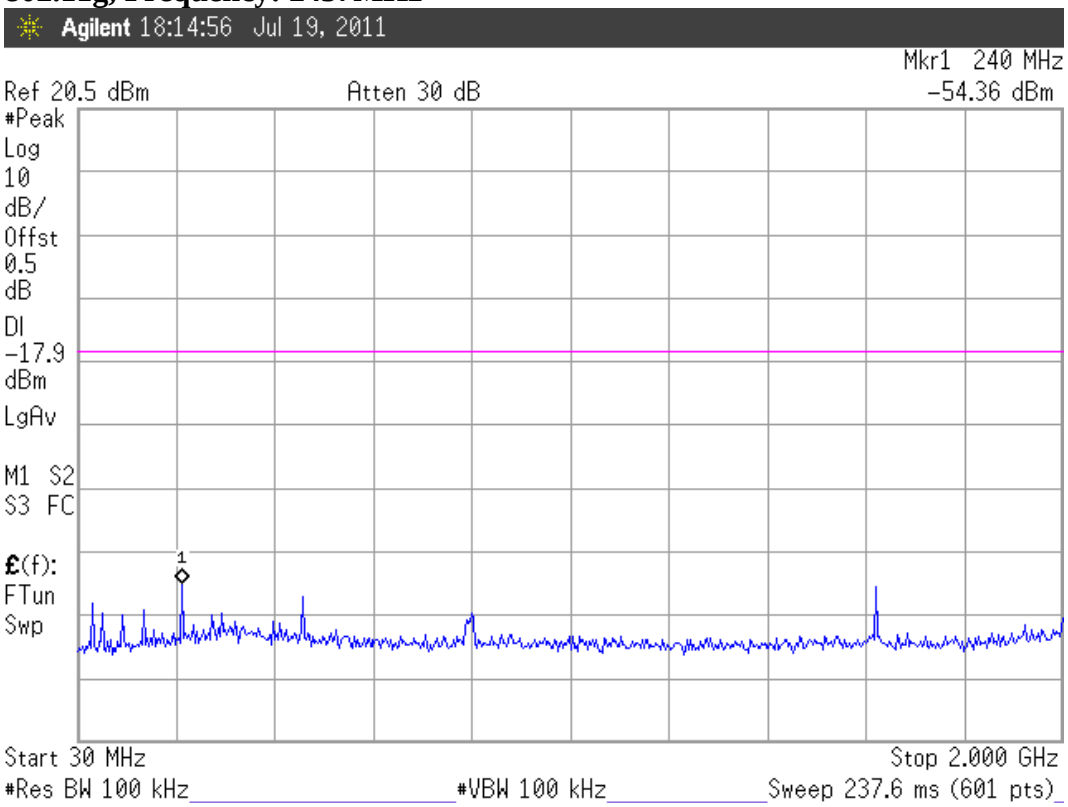

Agilent 18:04:42 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

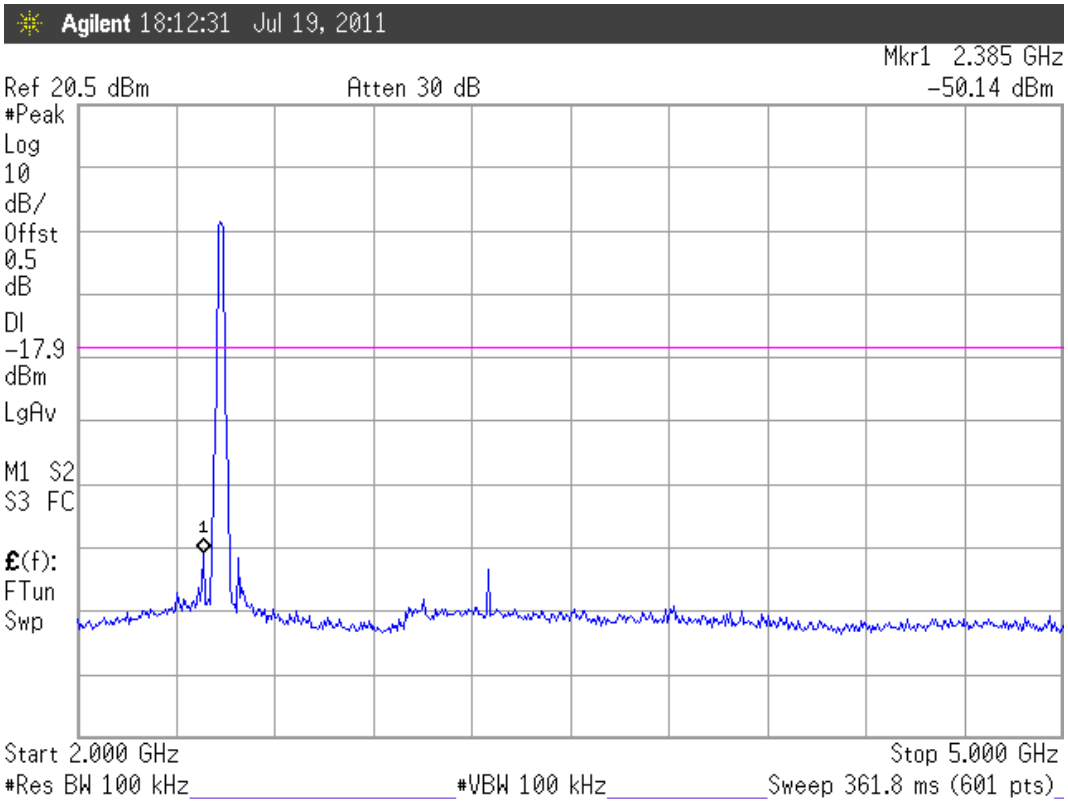

Agilent 18:05:15 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

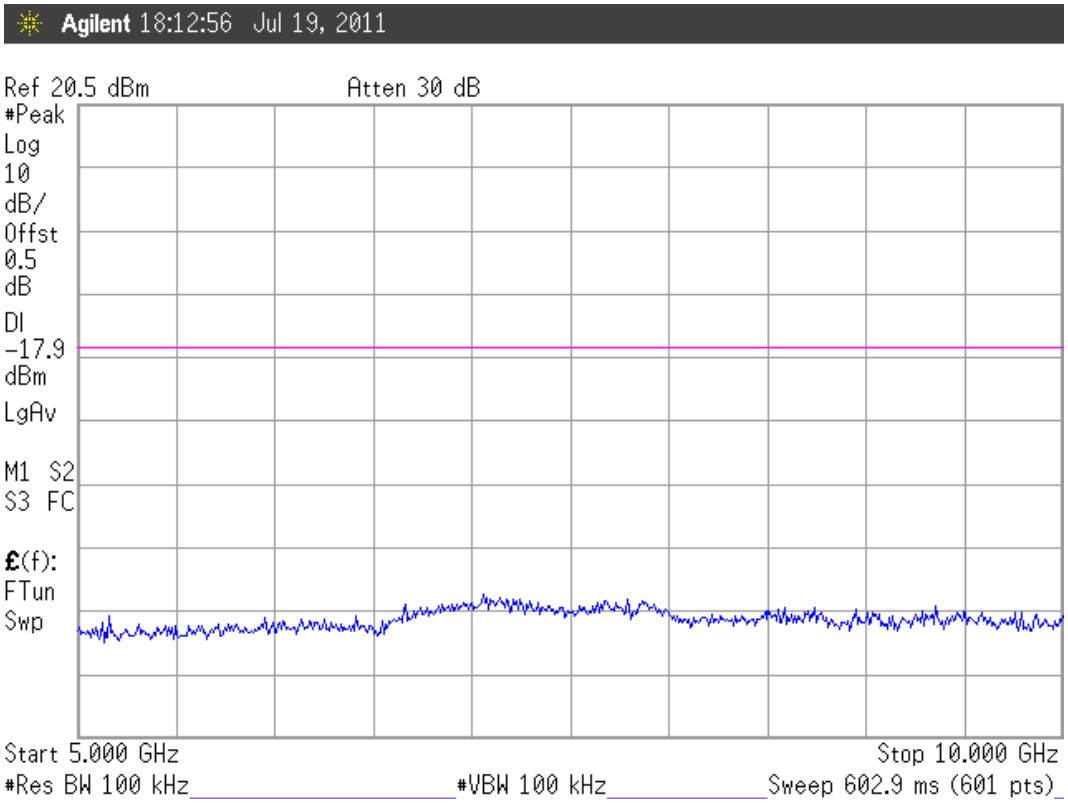

Agilent 18:05:46 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

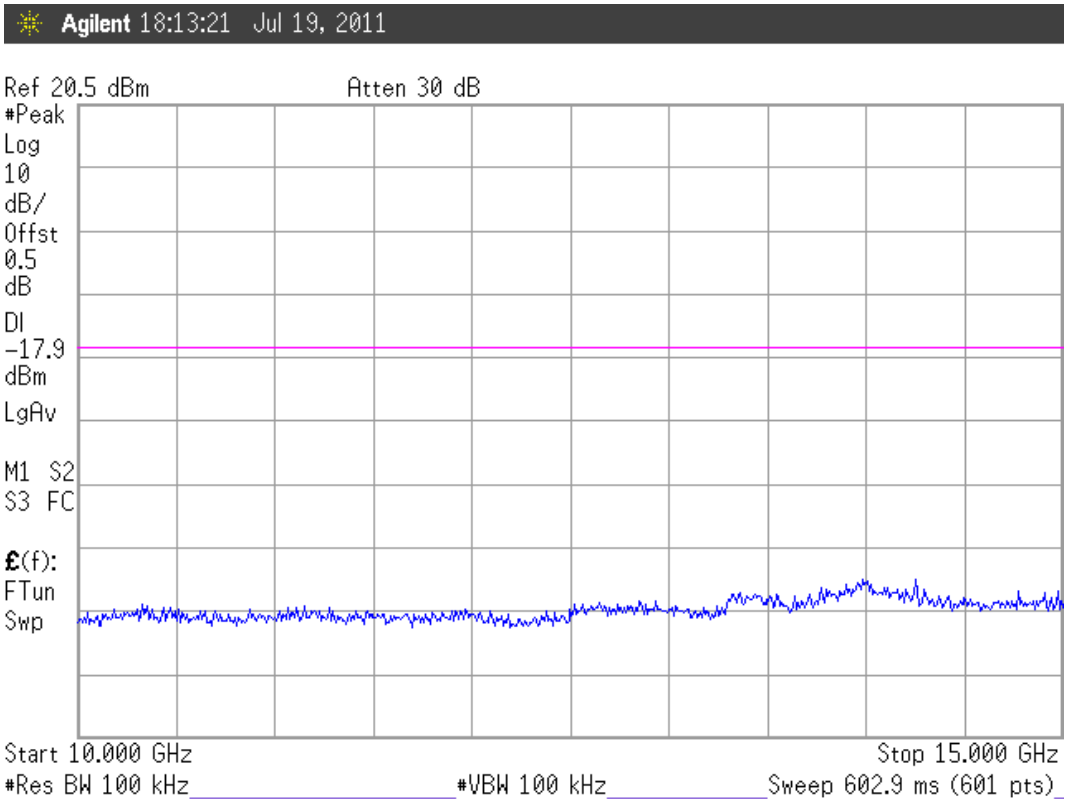

Agilent 18:06:26 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

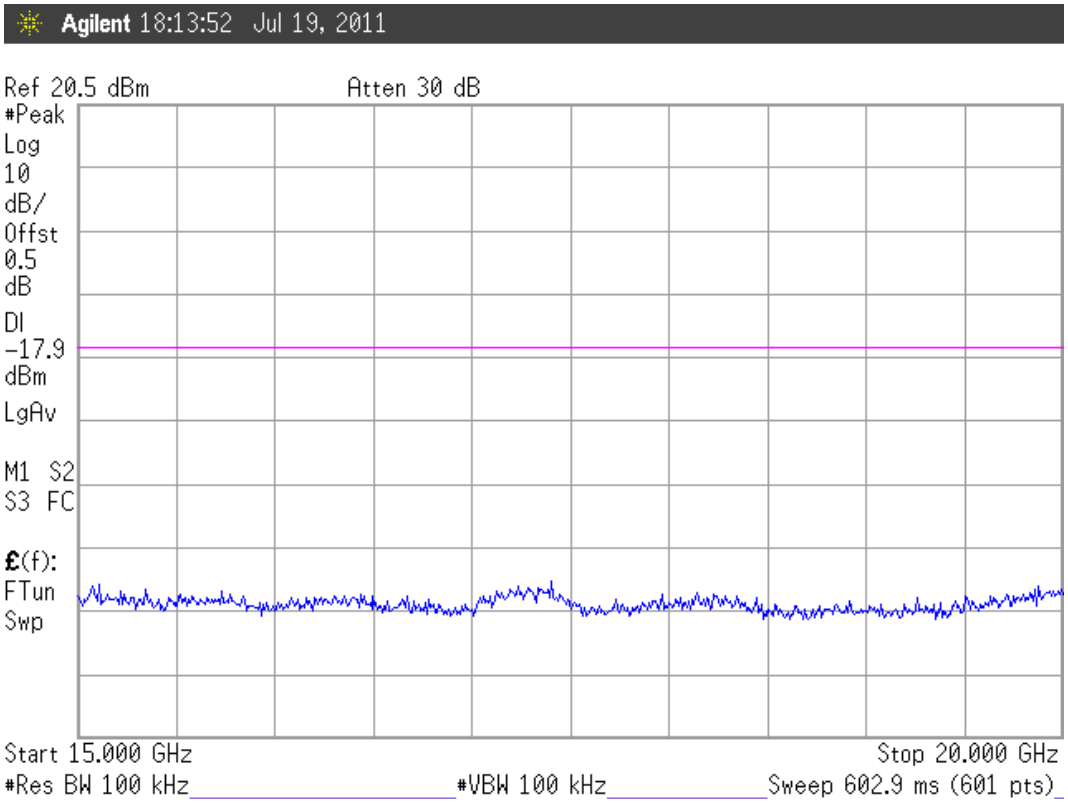
802.11g, Frequency: 2437MHz

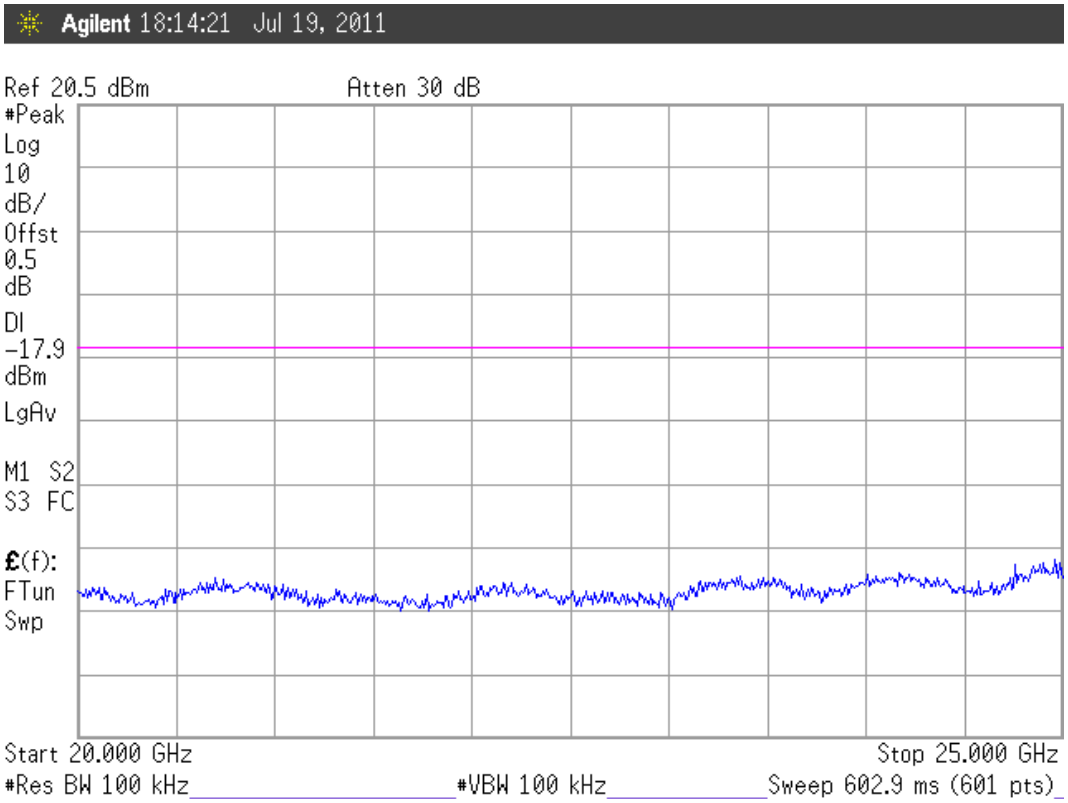




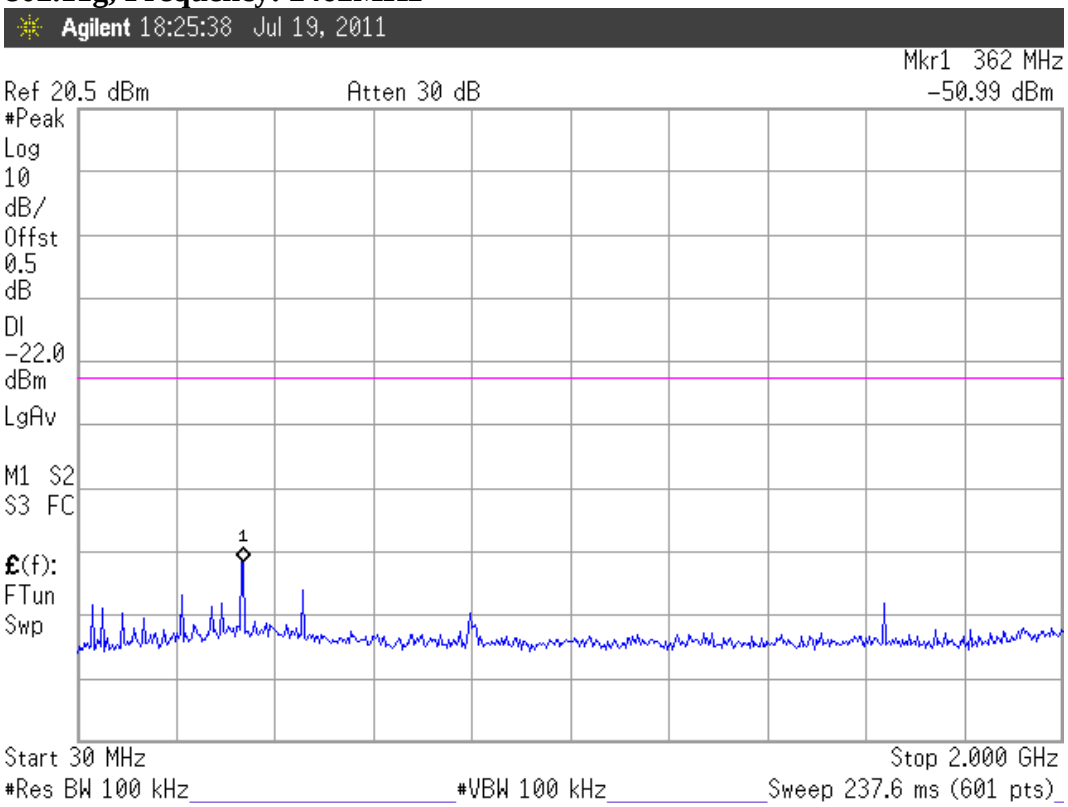

Agilent 18:12:56 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

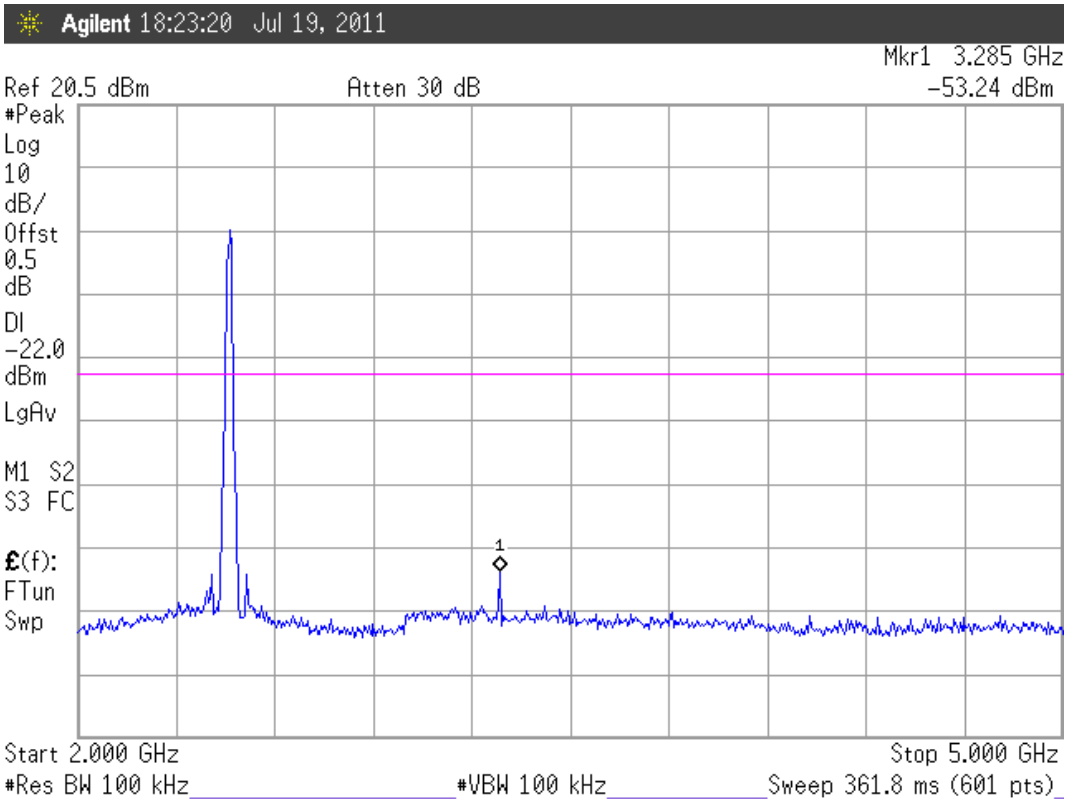

Agilent 18:13:21 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

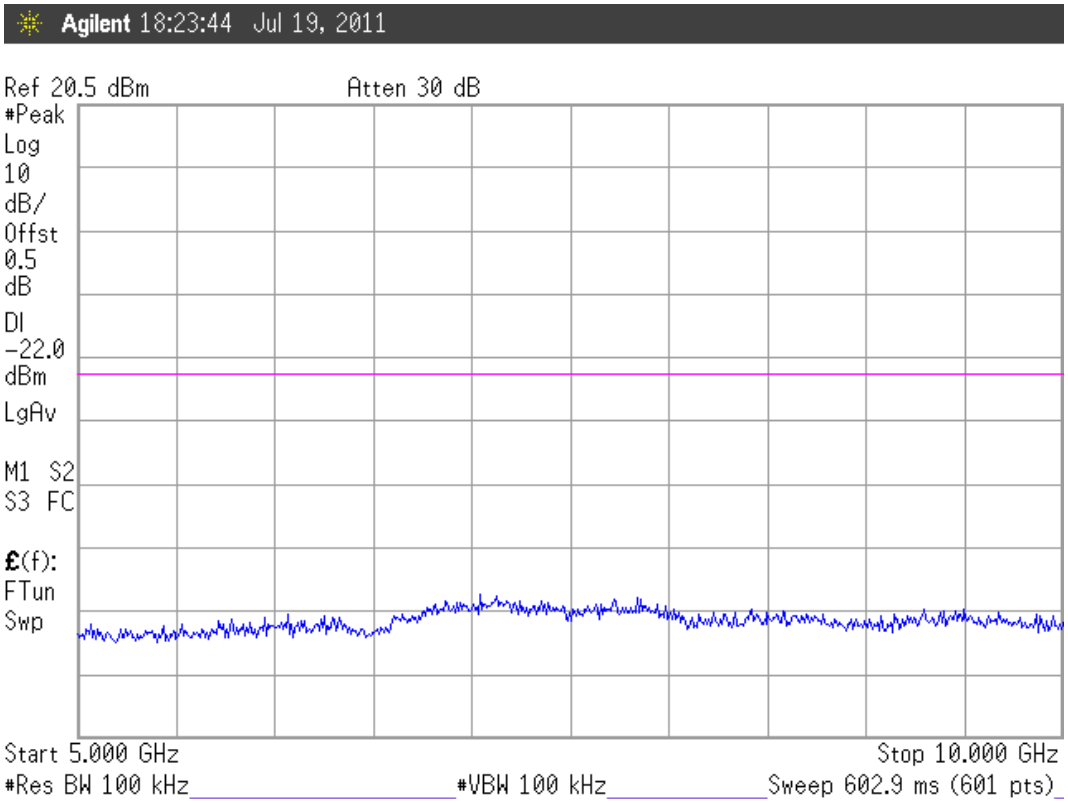

Agilent 18:13:52 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

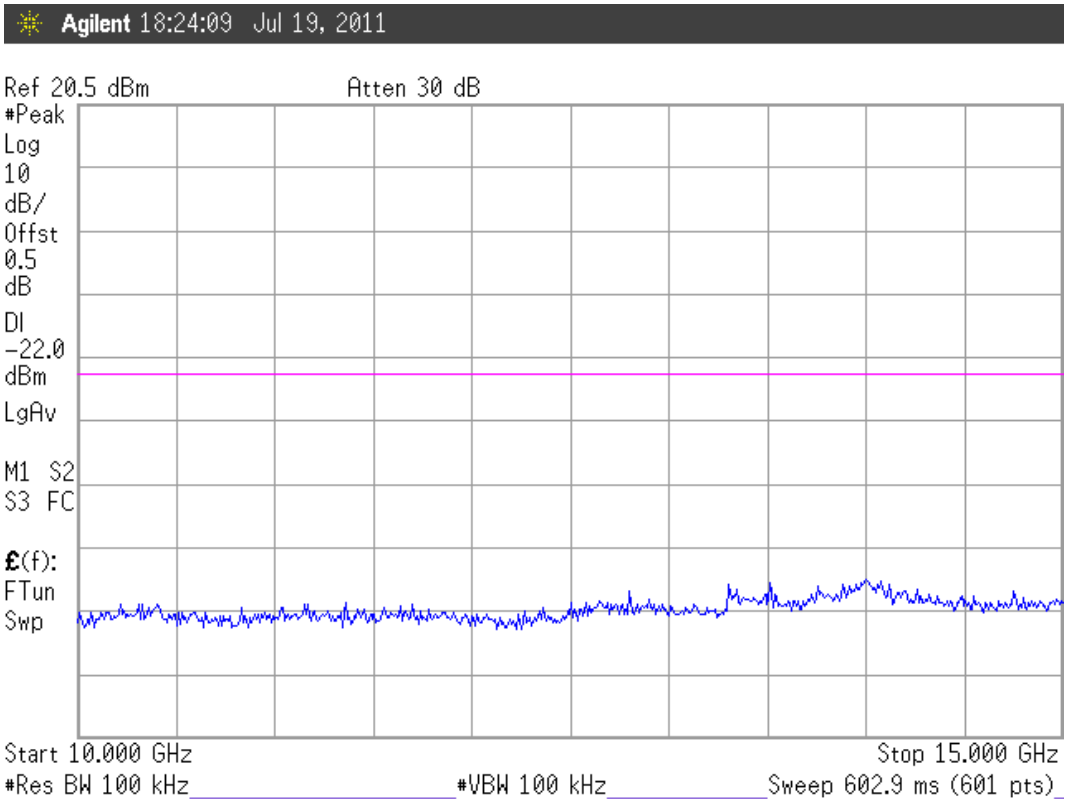

Agilent 18:14:21 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-17.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

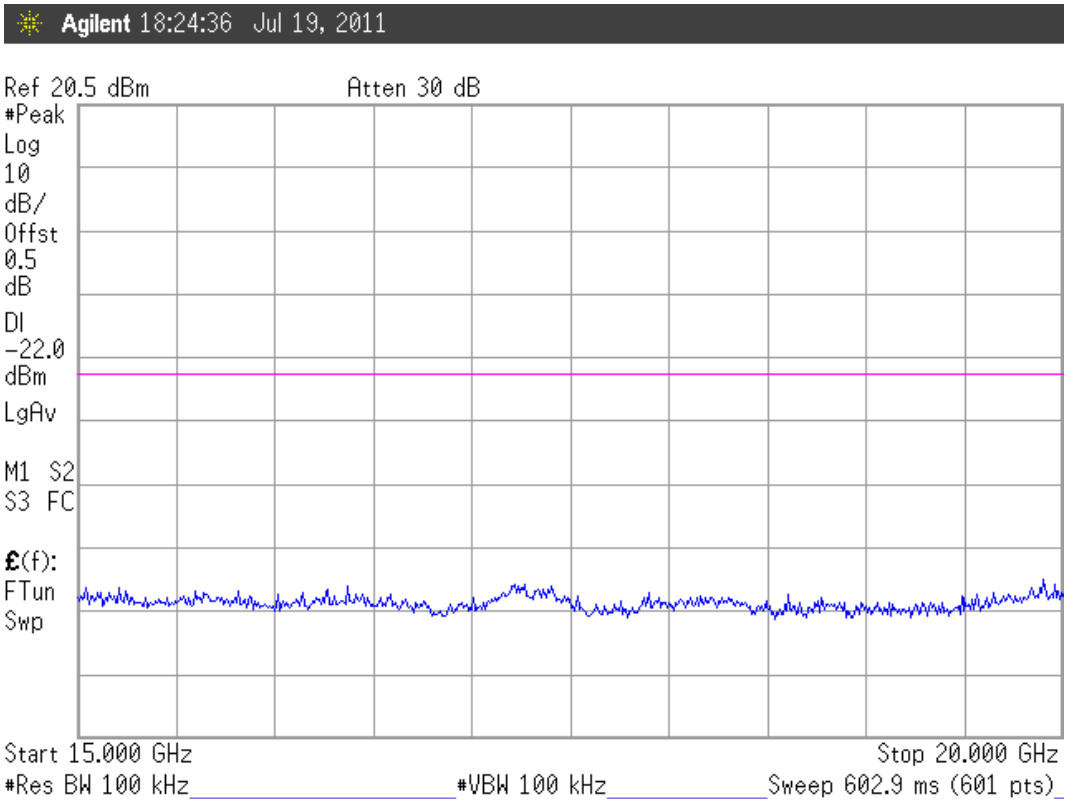
802.11g, Frequency: 2462MHz

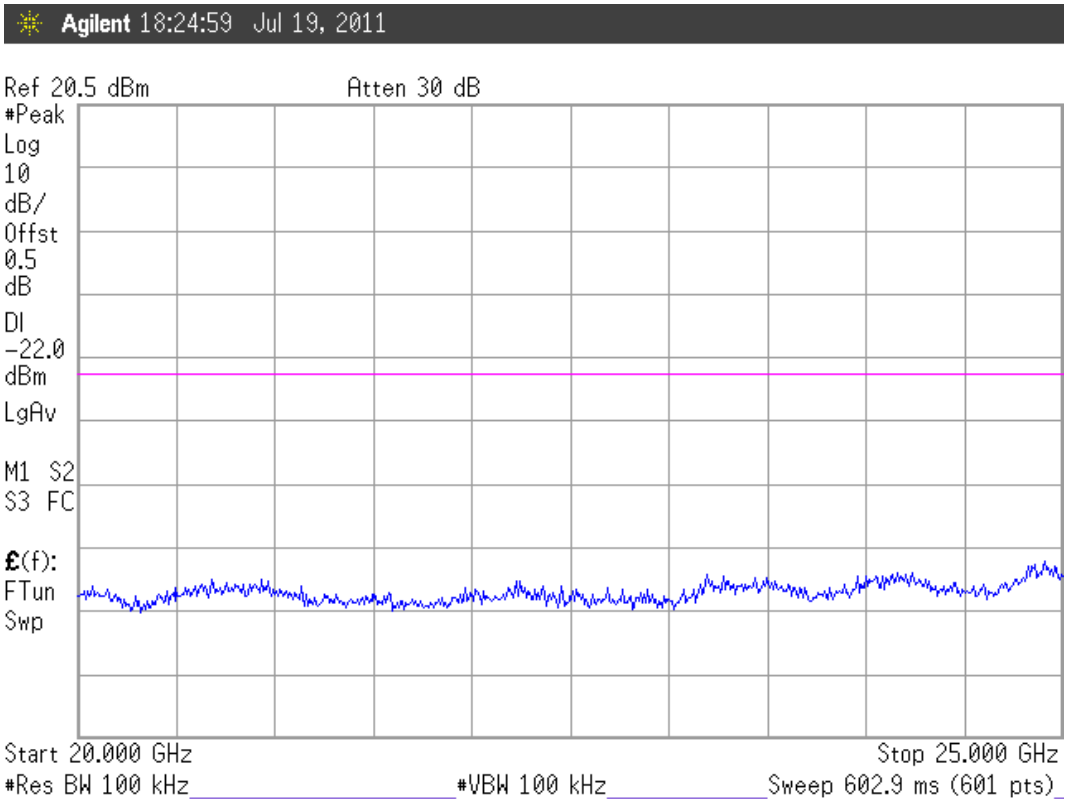




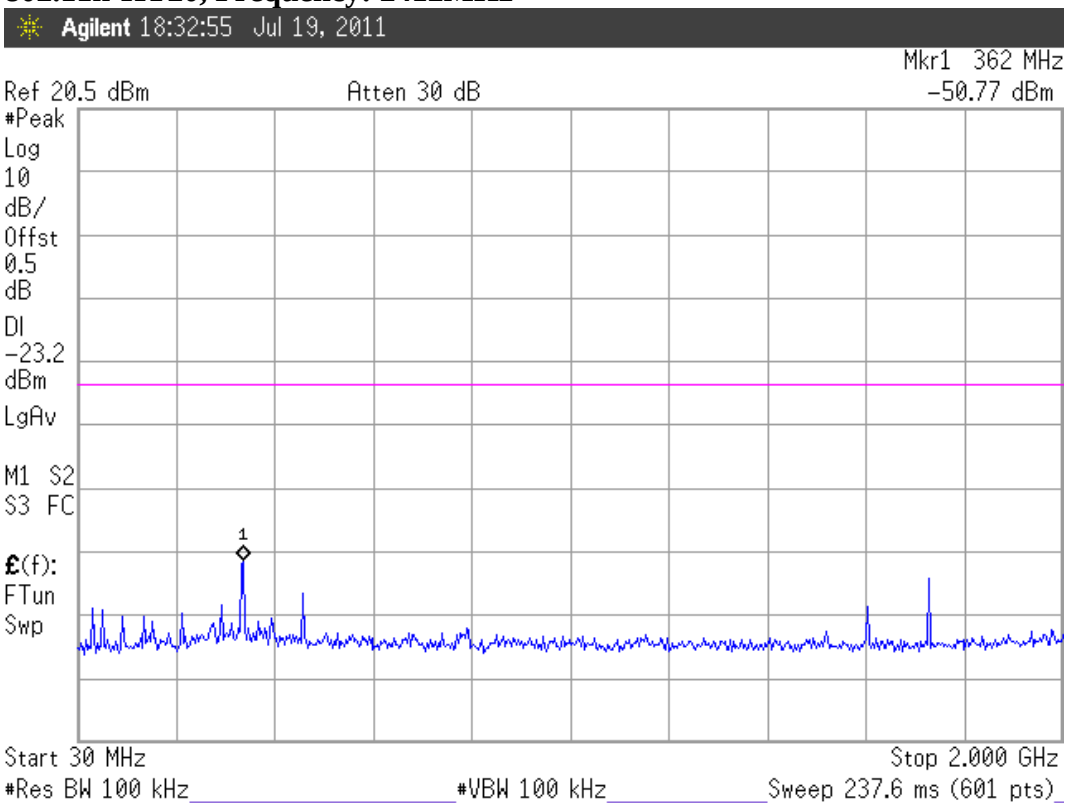

Agilent 18:23:44 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-22.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

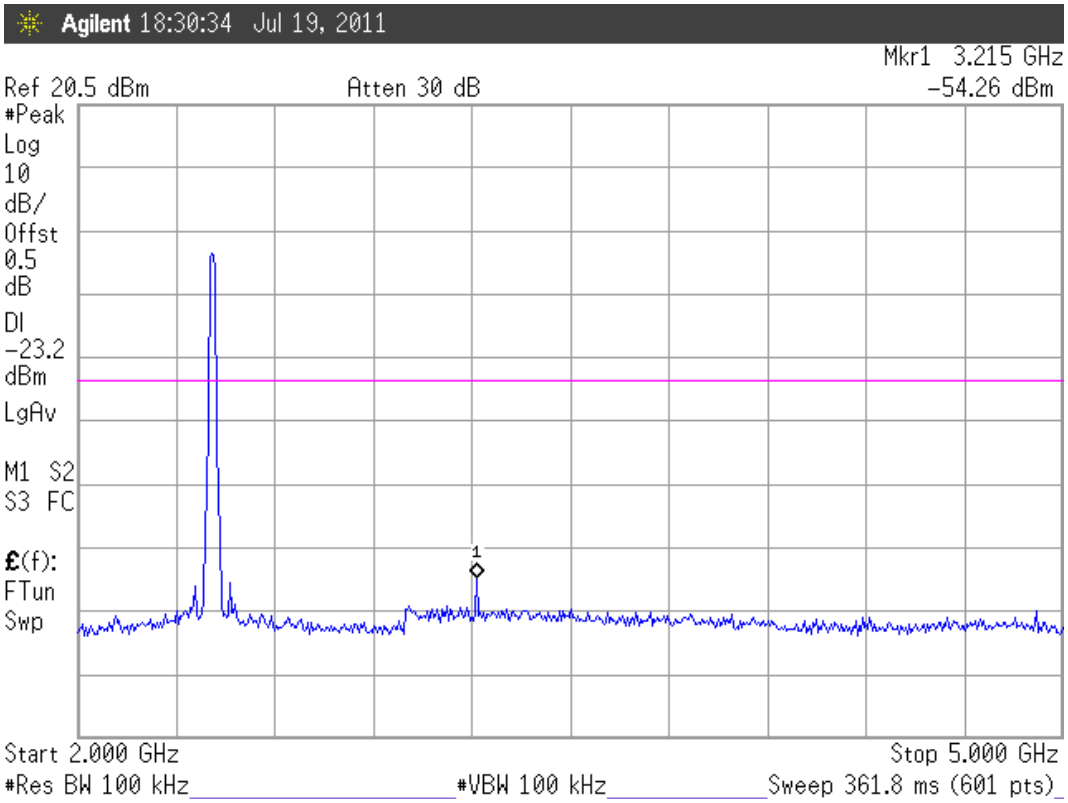

Agilent 18:24:09 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-22.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

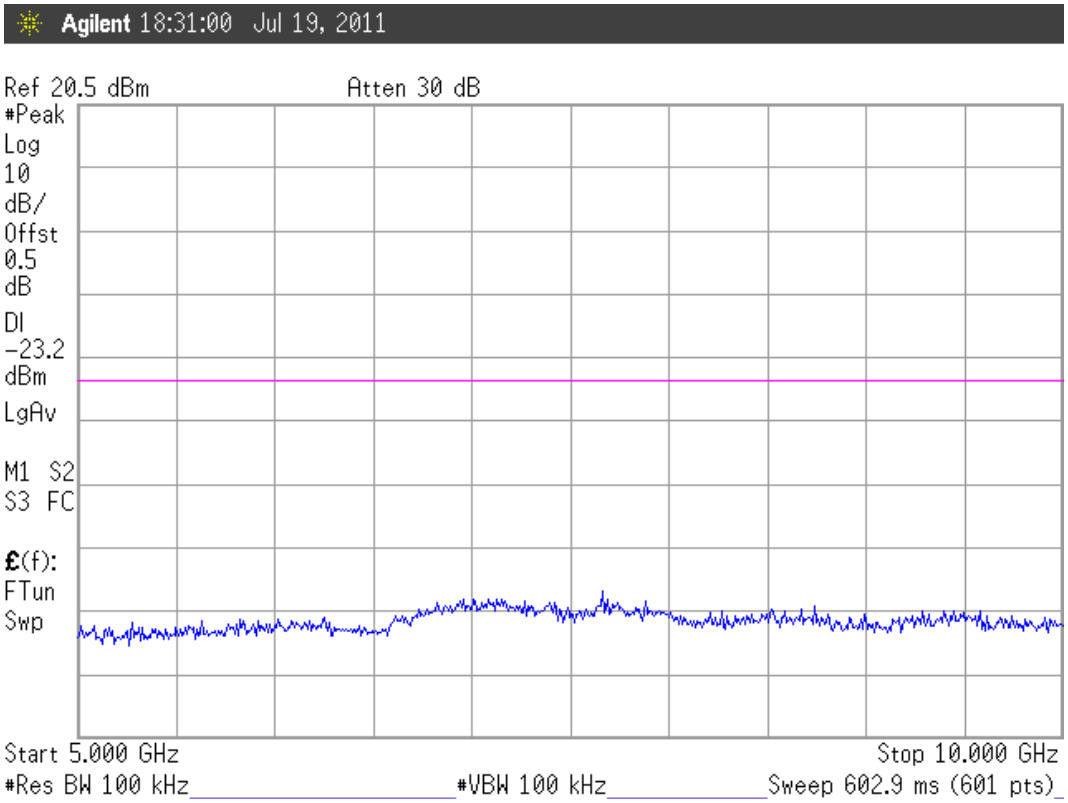

Agilent 18:24:36 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-22.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

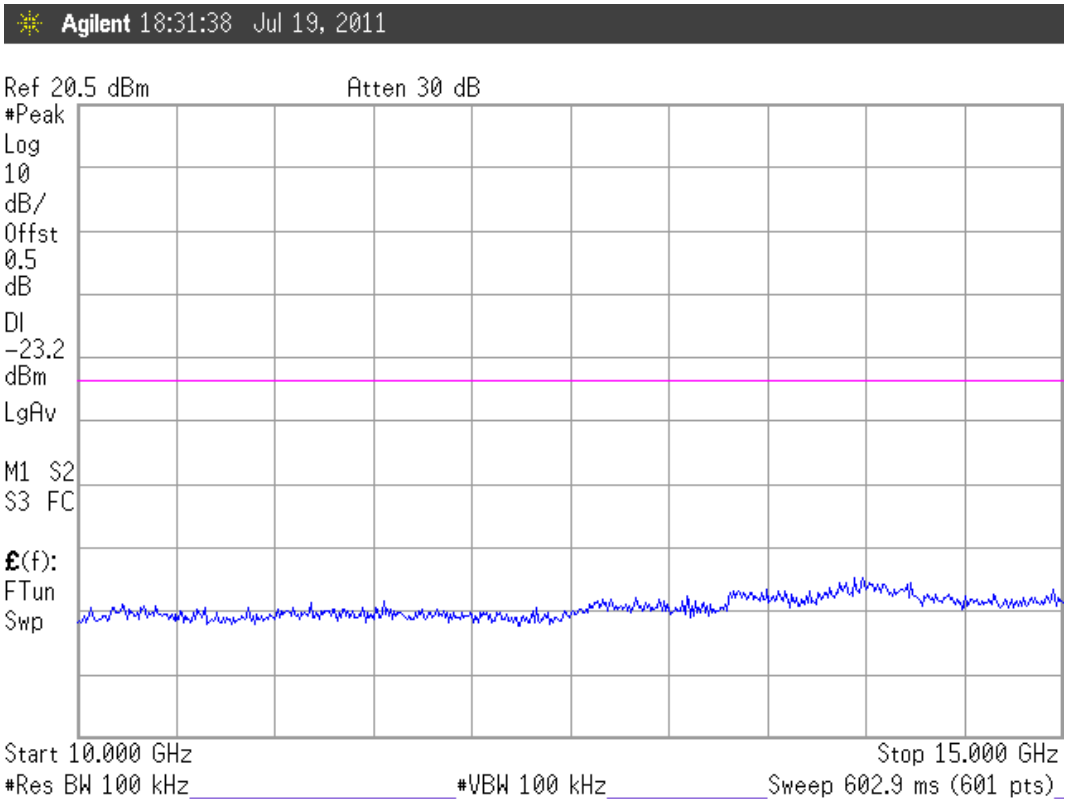

Agilent 18:24:59 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-22.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

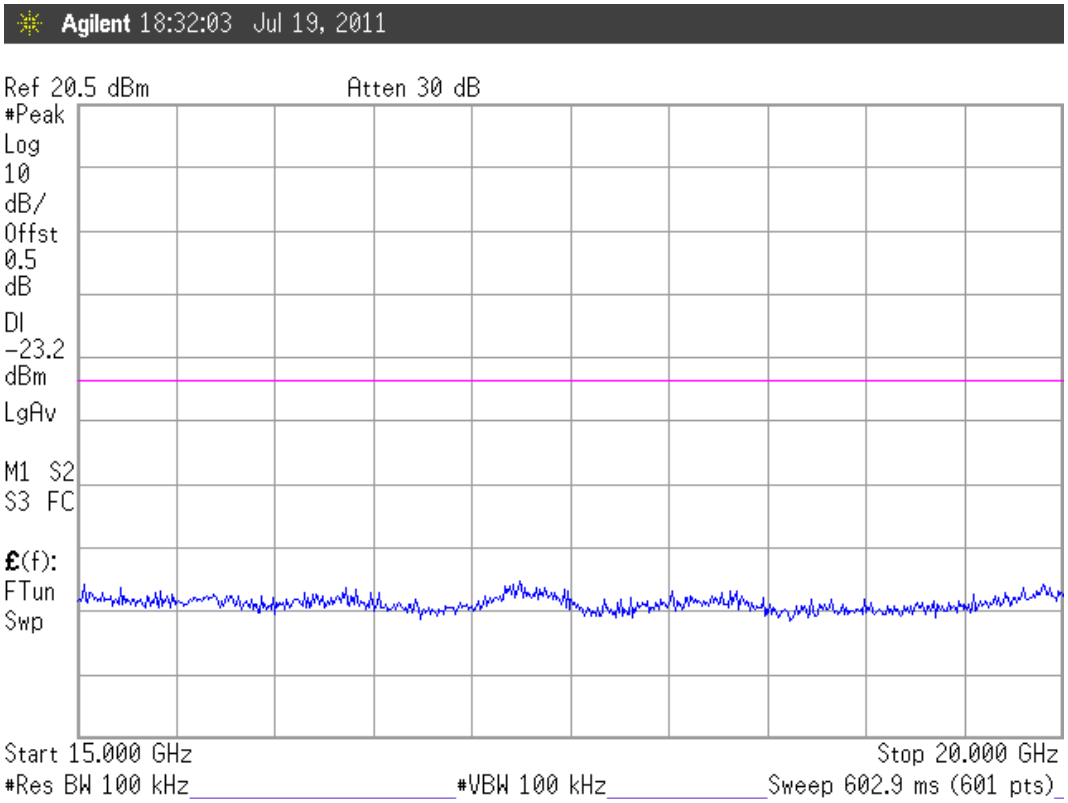
802.11n-HT20, Frequency: 2412MHz

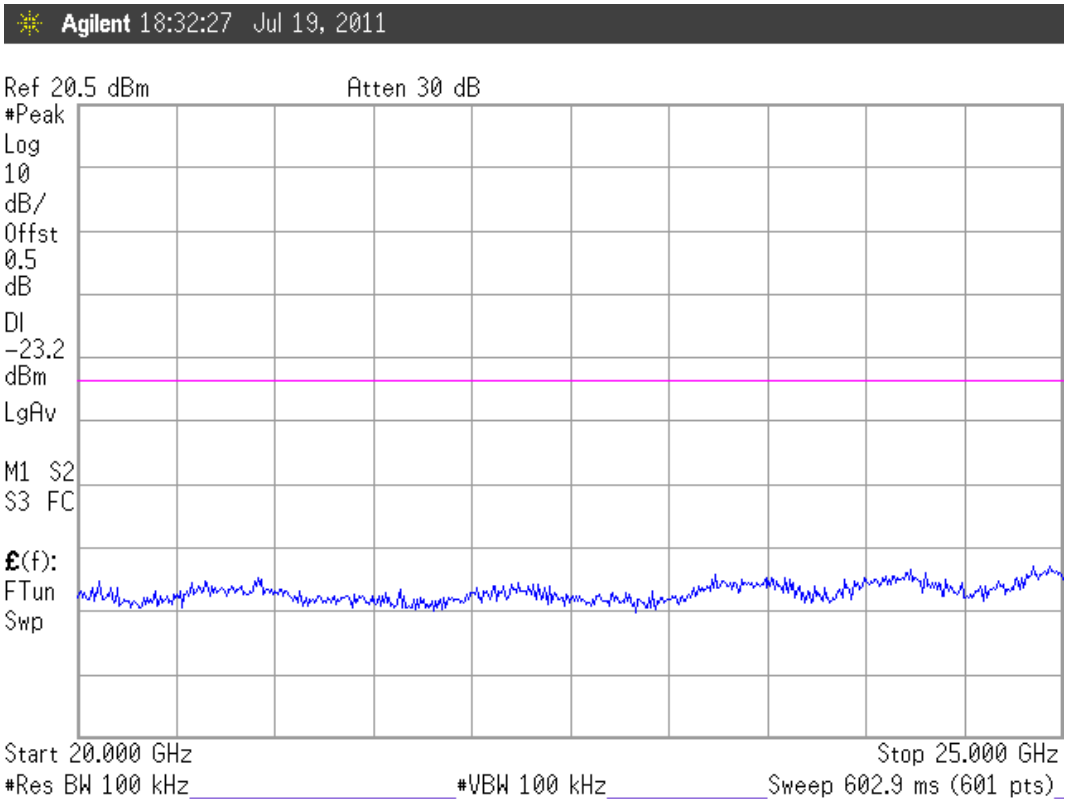




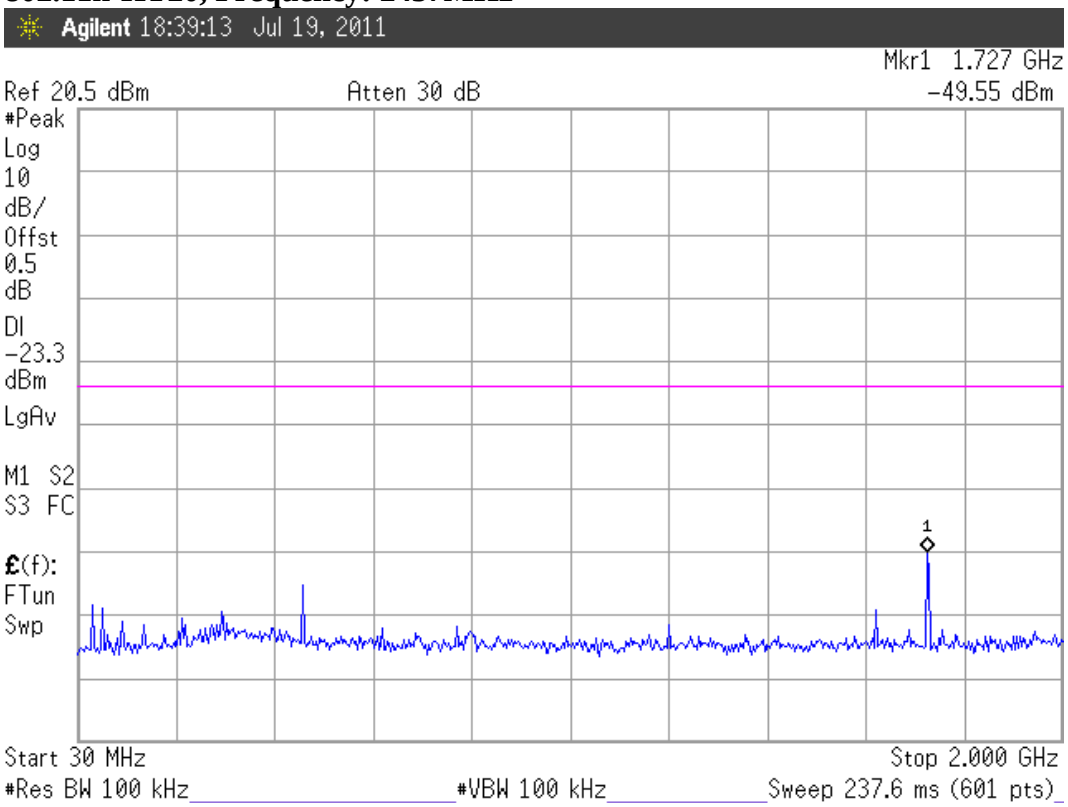

Agilent 18:31:00 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

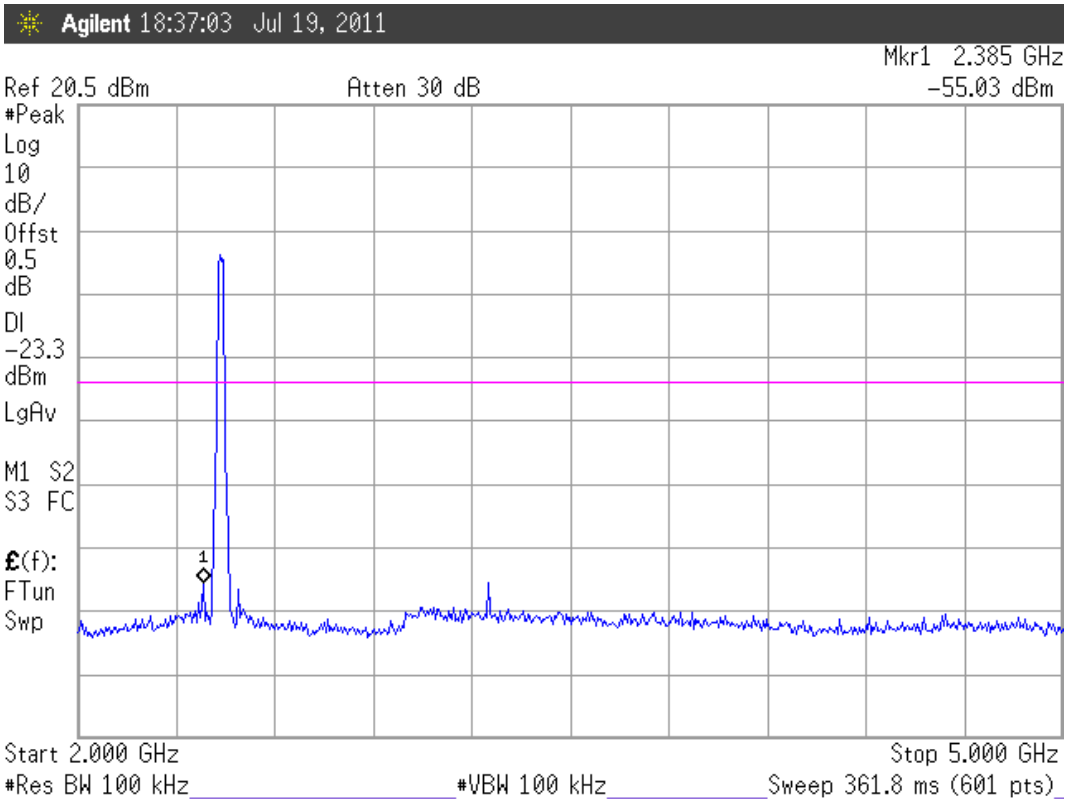

Agilent 18:31:38 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

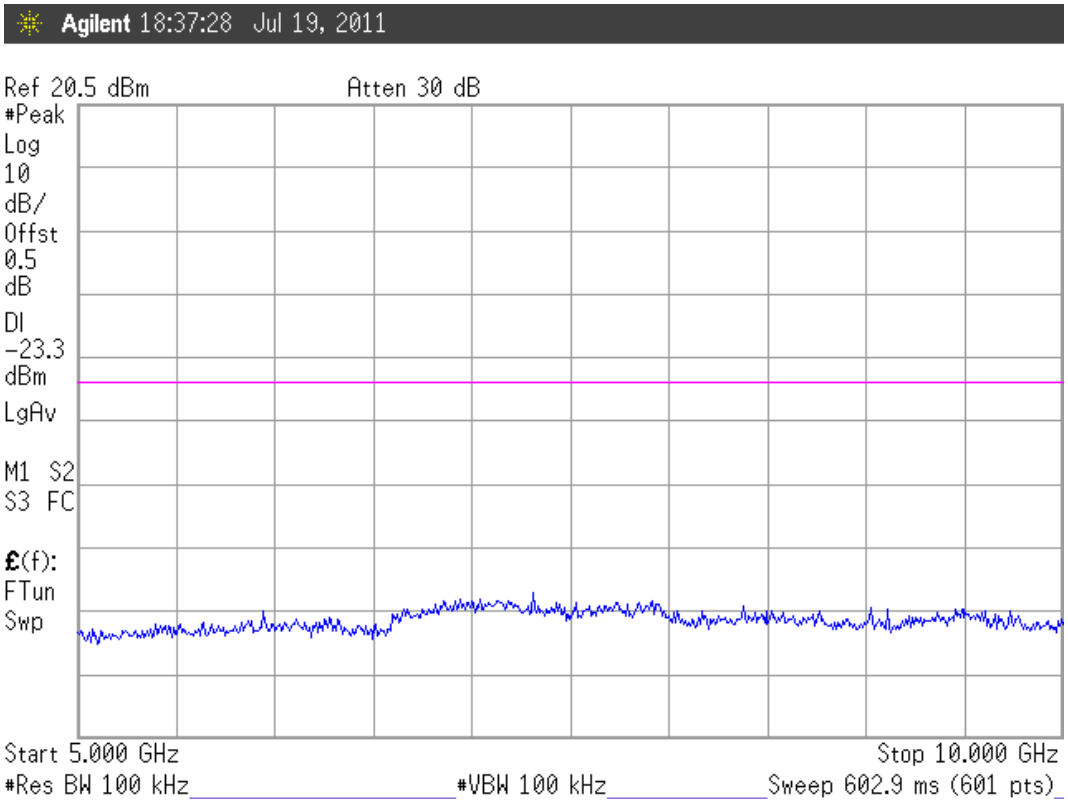

Agilent 18:32:03 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

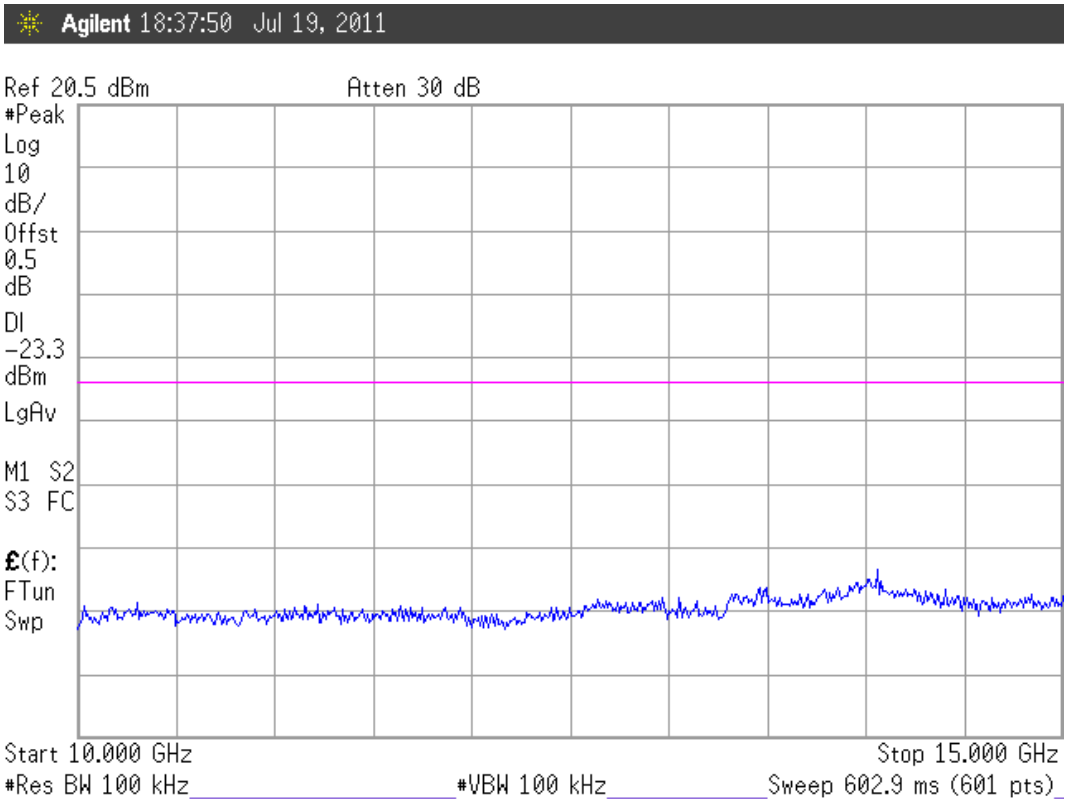

Agilent 18:32:27 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

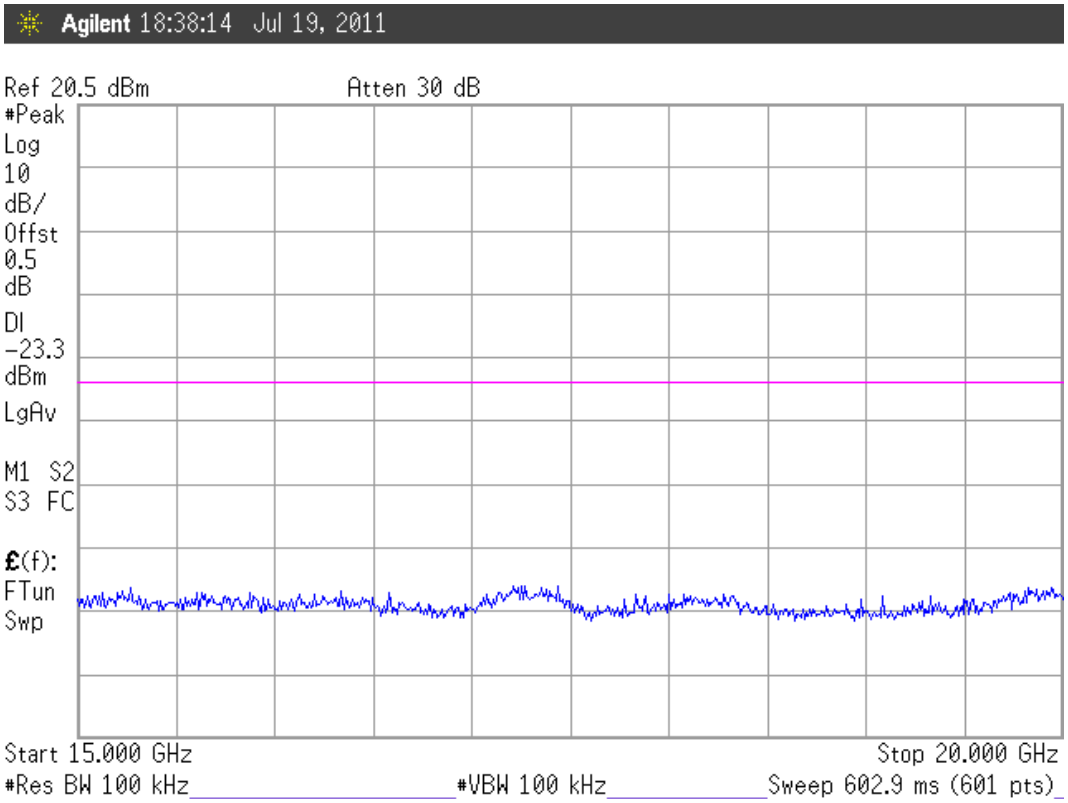
802.11n-HT20, Frequency: 2437MHz

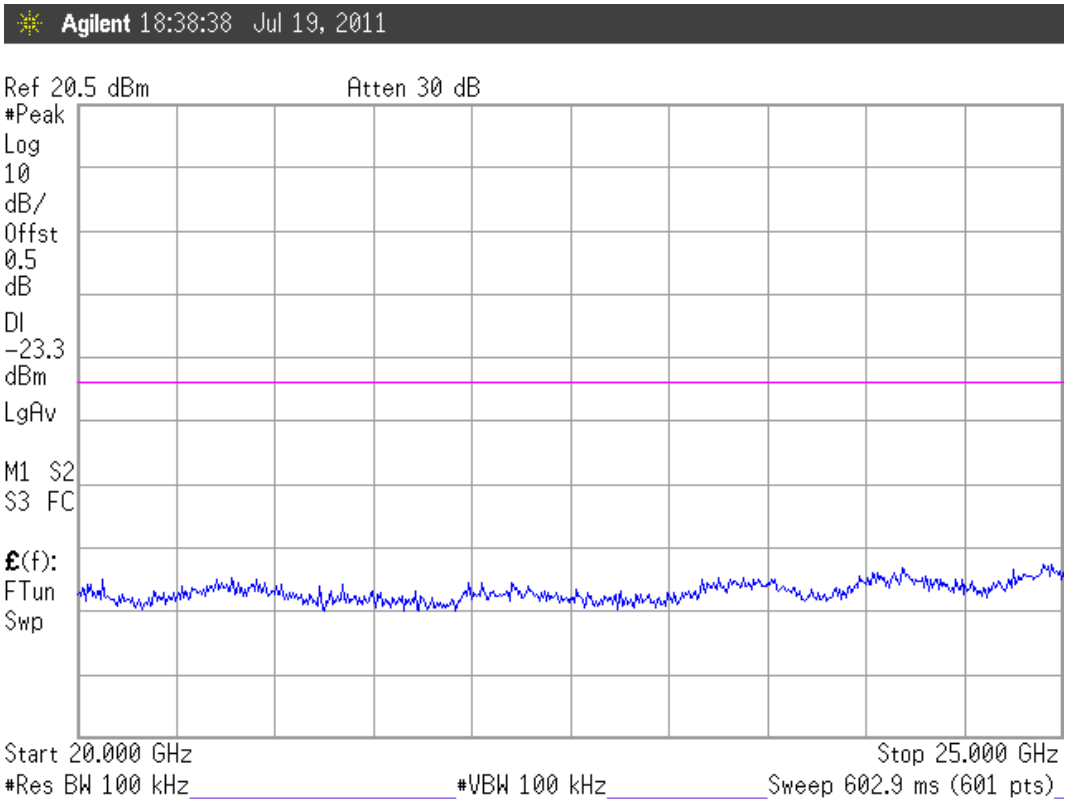




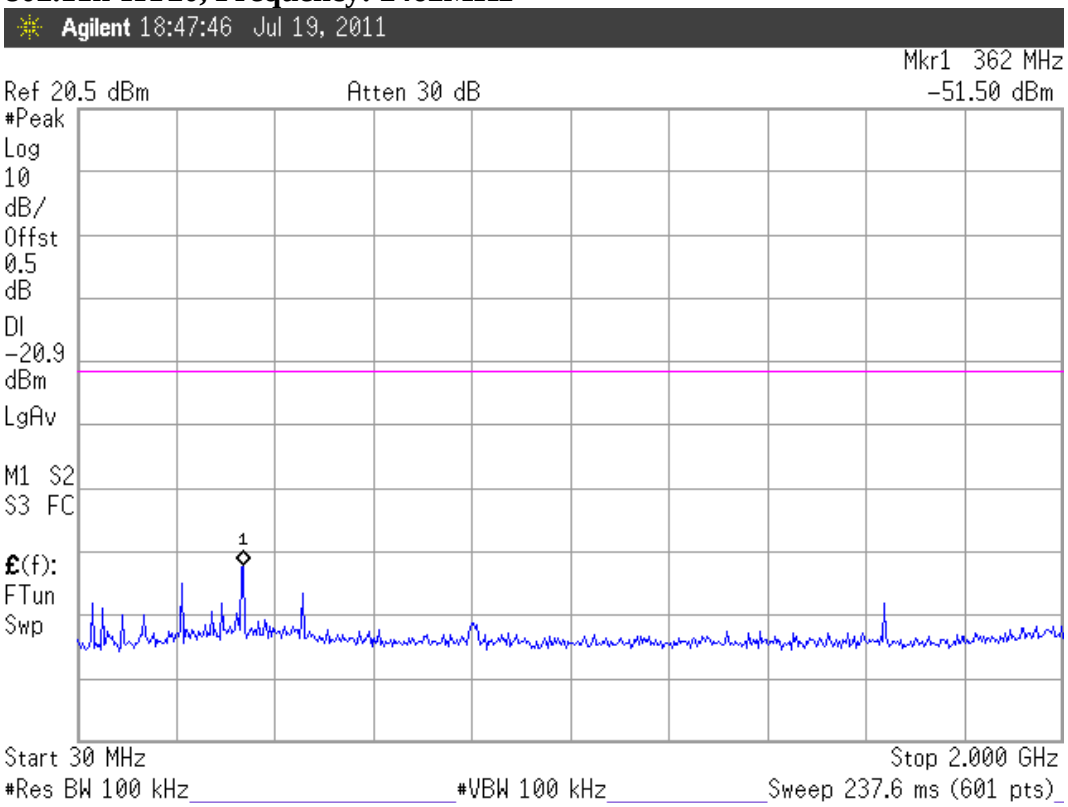

Agilent 18:37:28 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

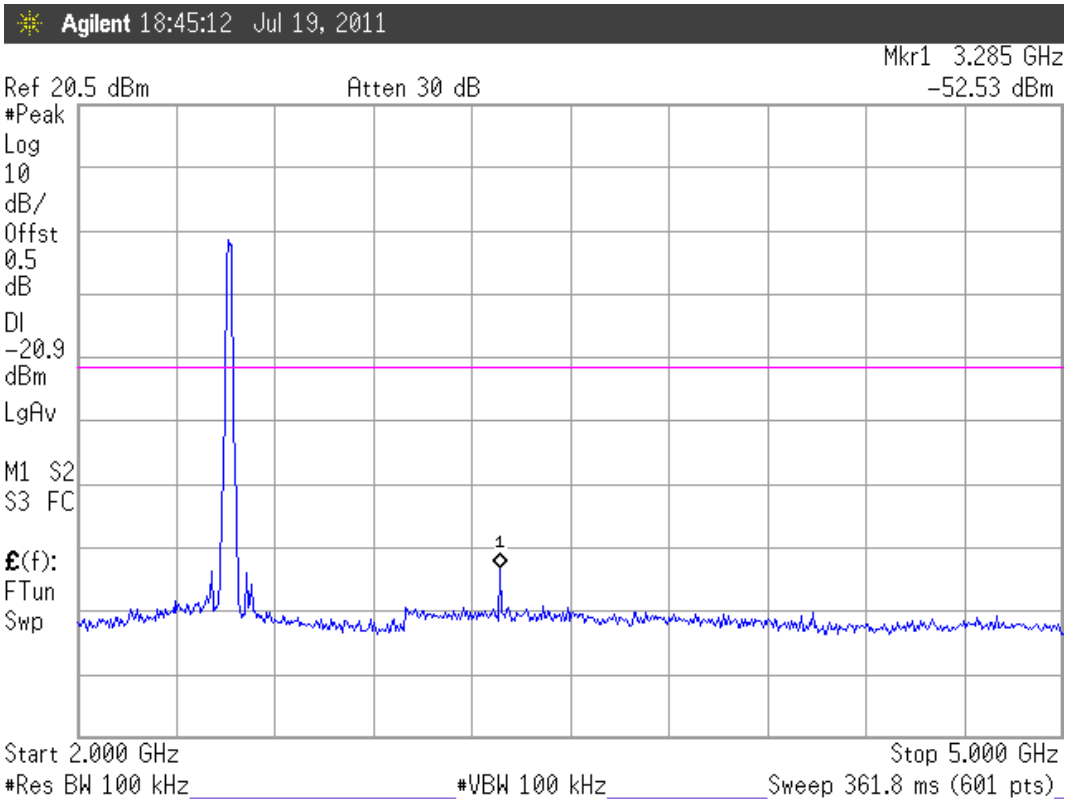

Agilent 18:37:50 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

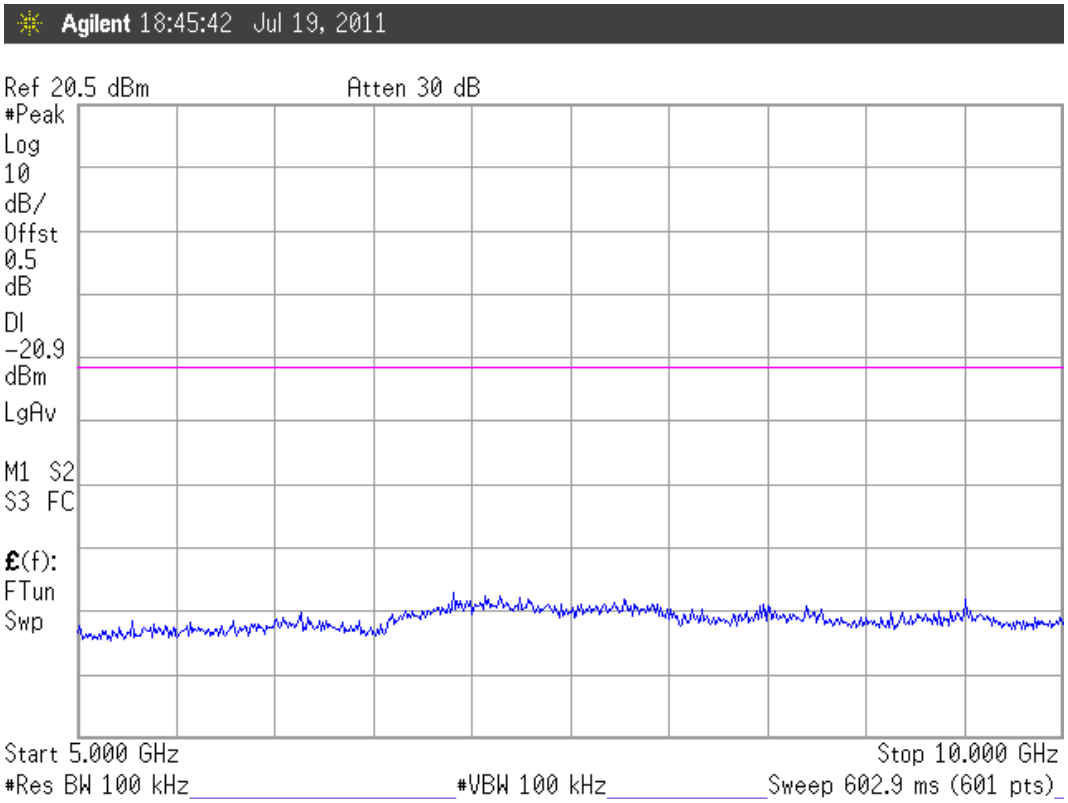

Agilent 18:38:14 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

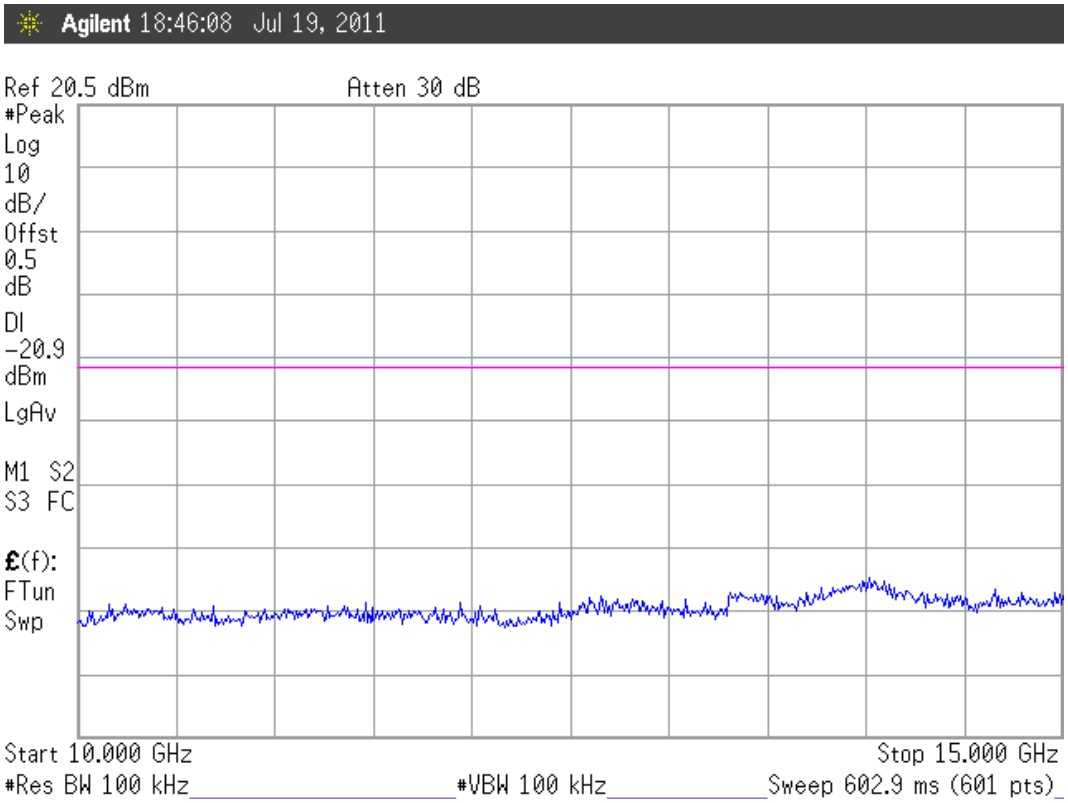

Agilent 18:38:38 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.3
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

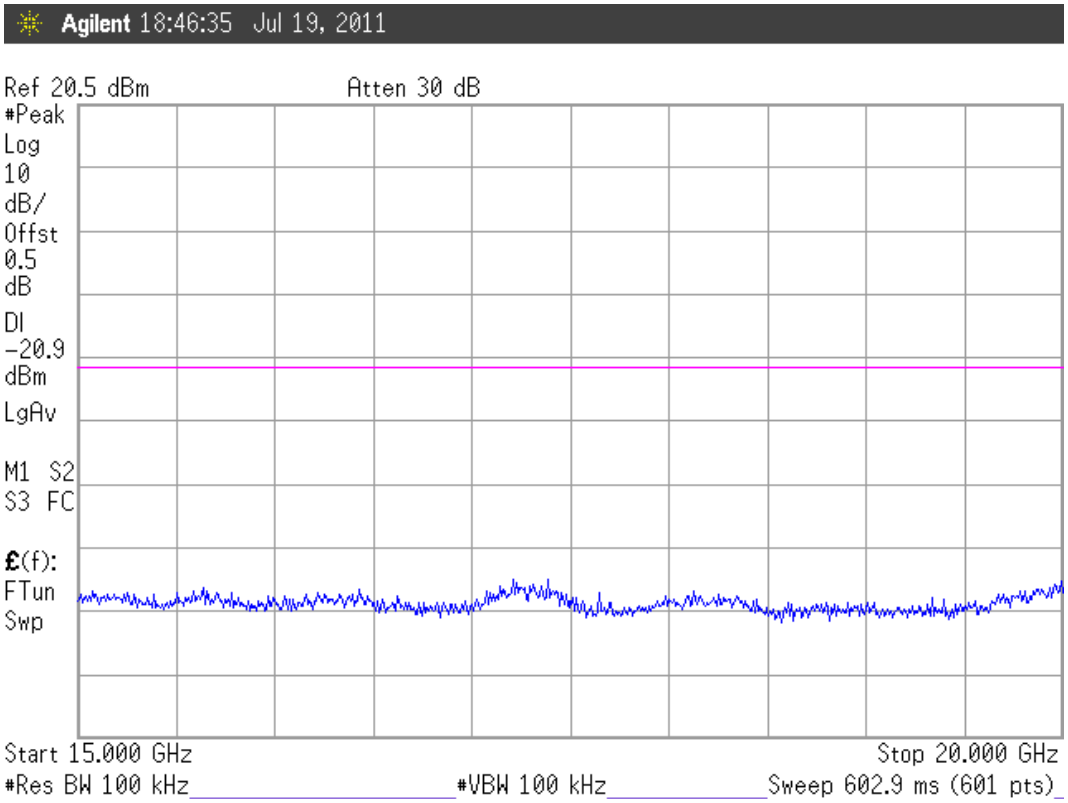
802.11n-HT20, Frequency: 2462MHz

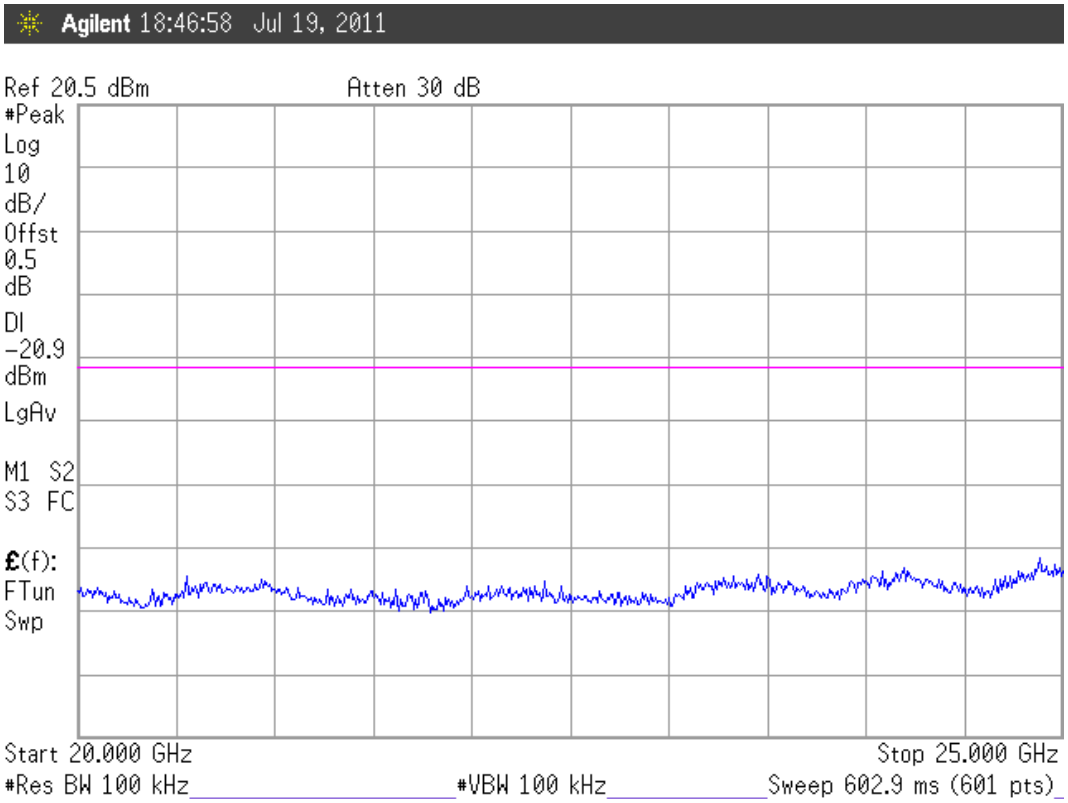




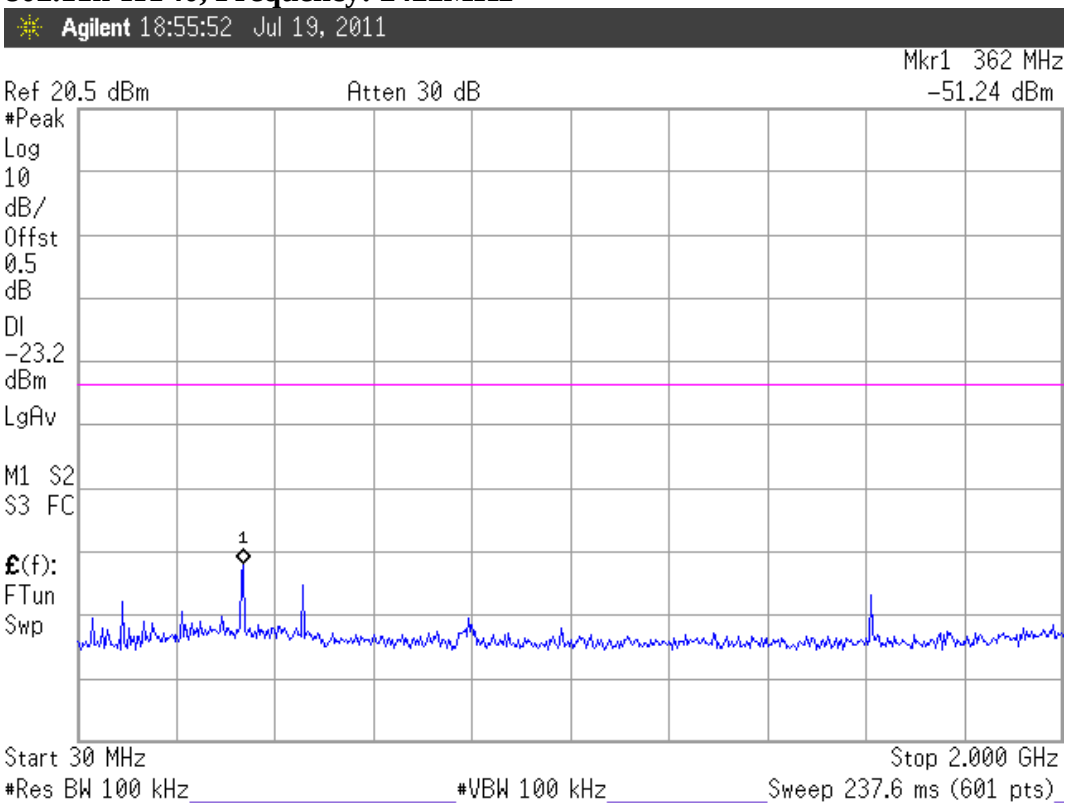

Agilent 18:45:42 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

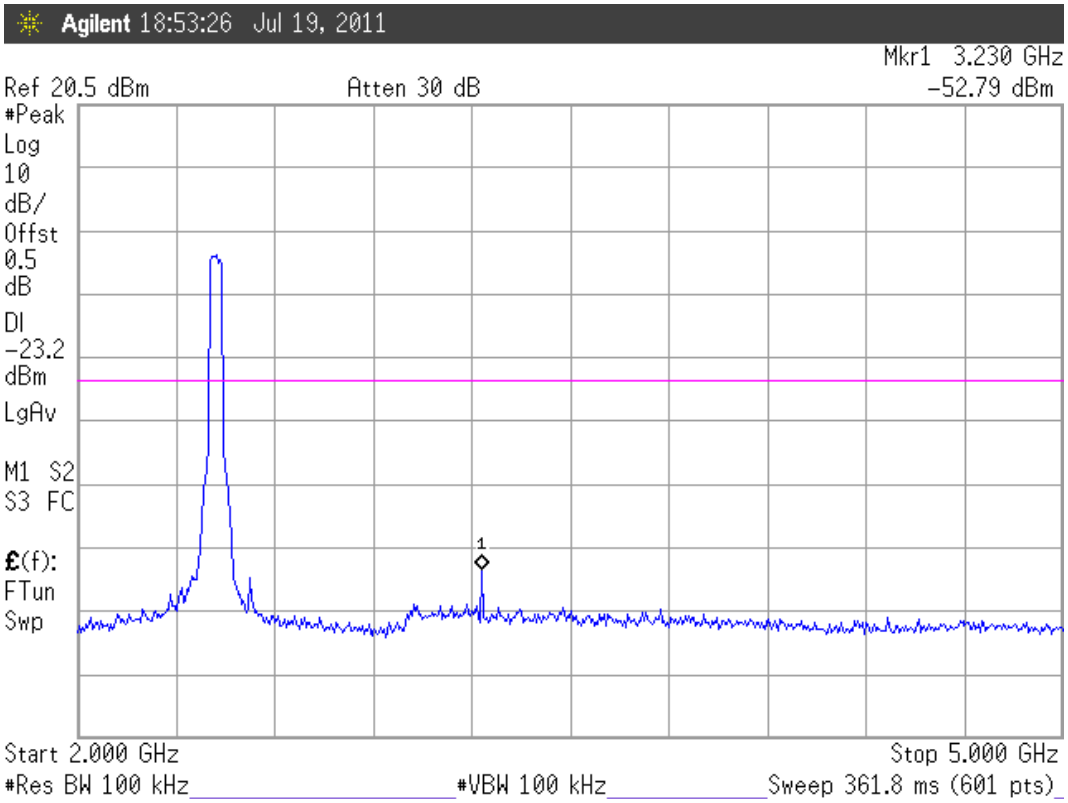

Agilent 18:46:08 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

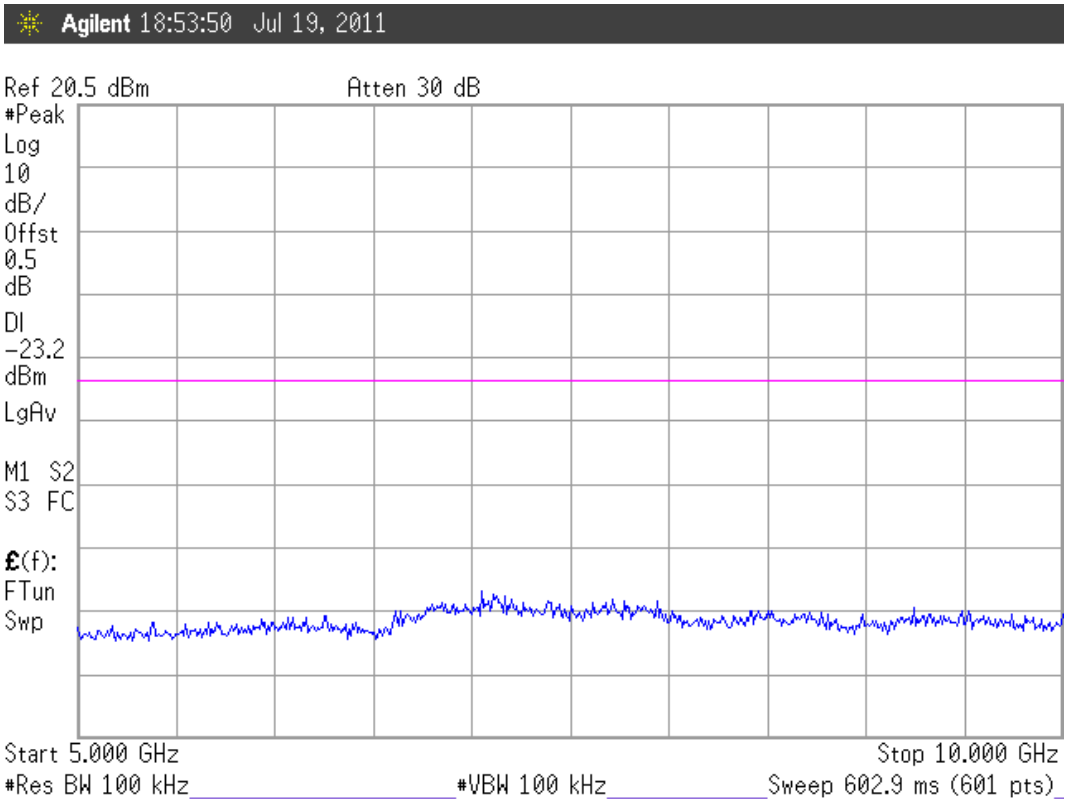

Agilent 18:46:35 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

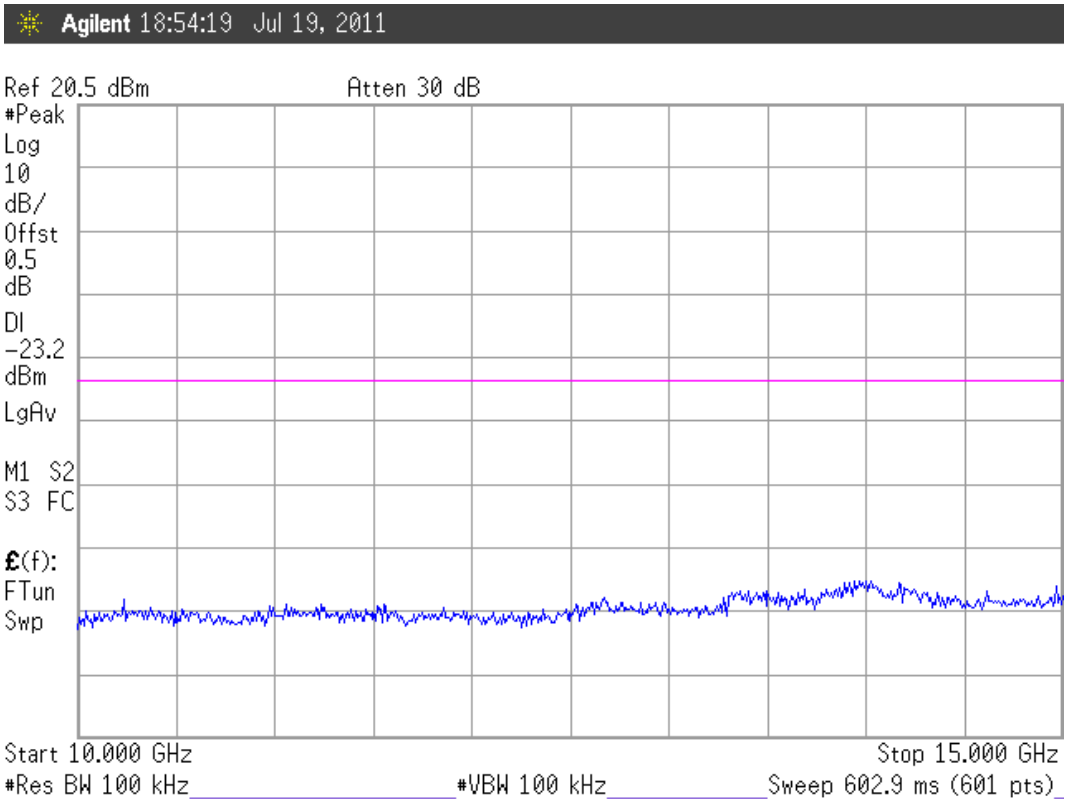

Agilent 18:46:58 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

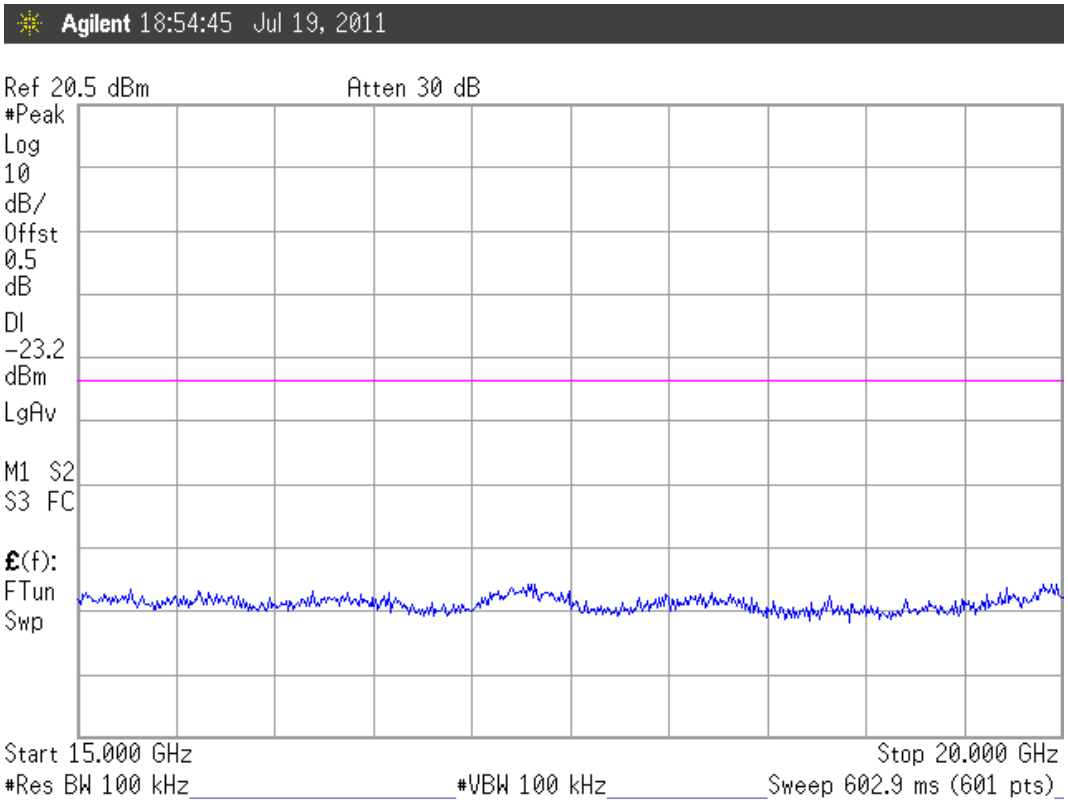
802.11n-HT40, Frequency: 2422MHz

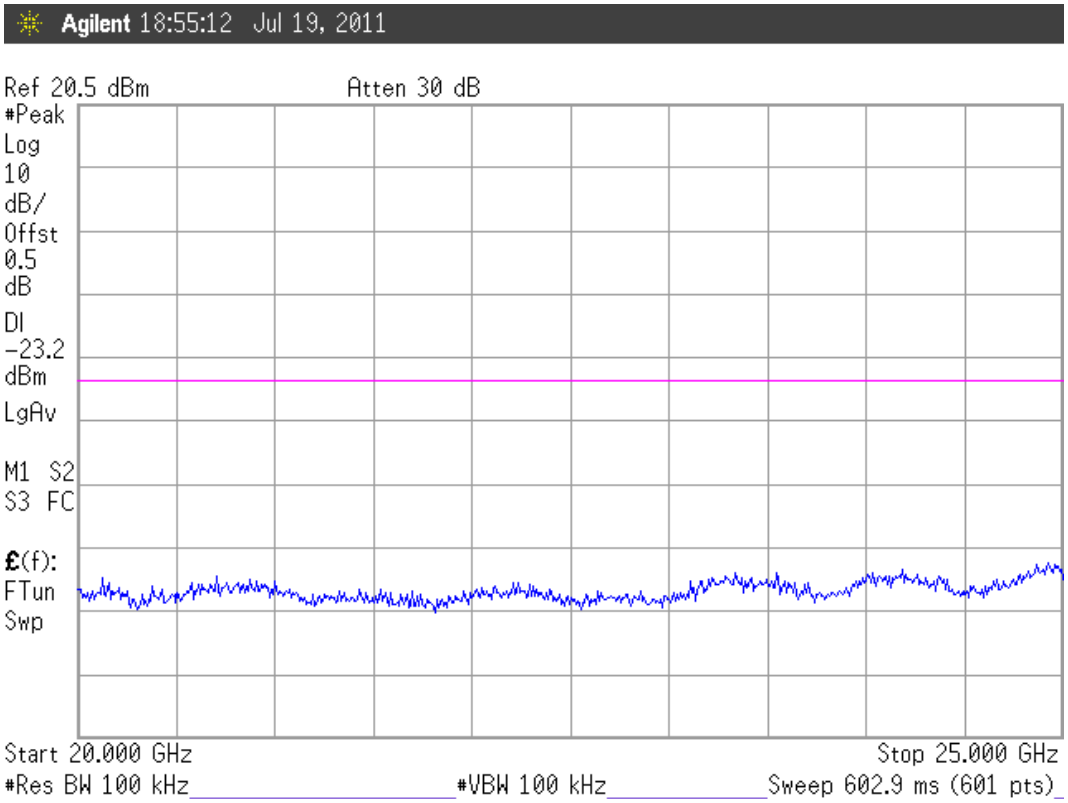




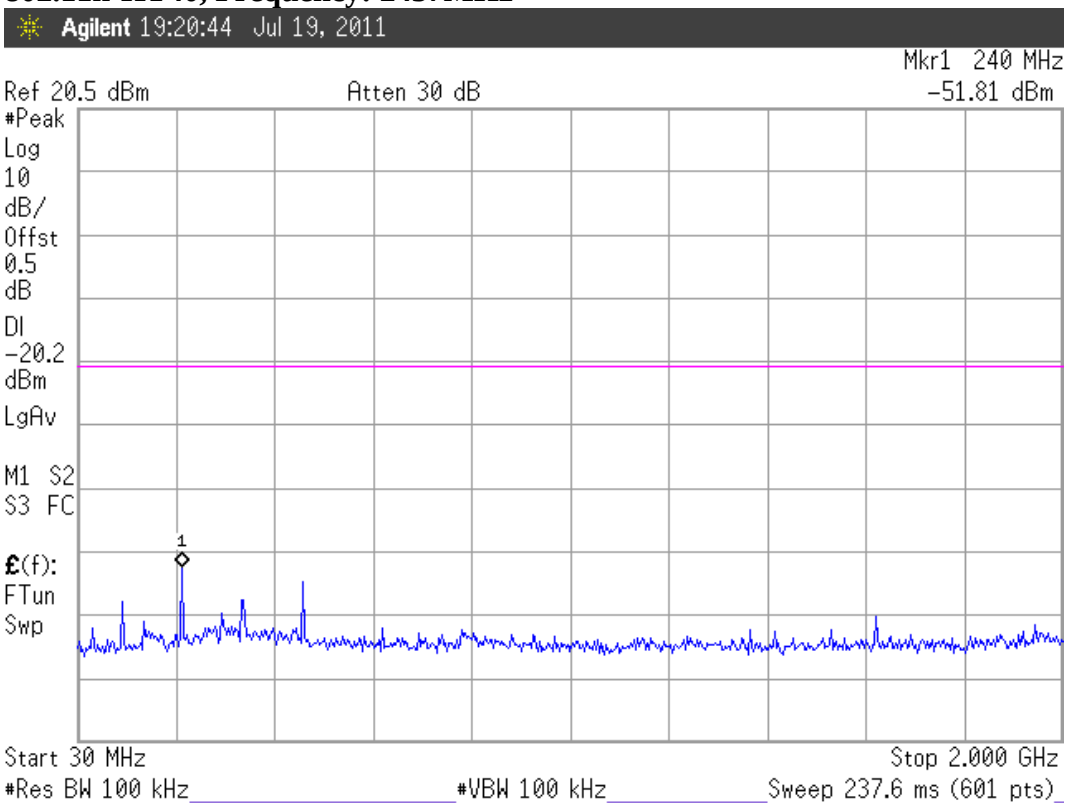

Agilent 18:53:50 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

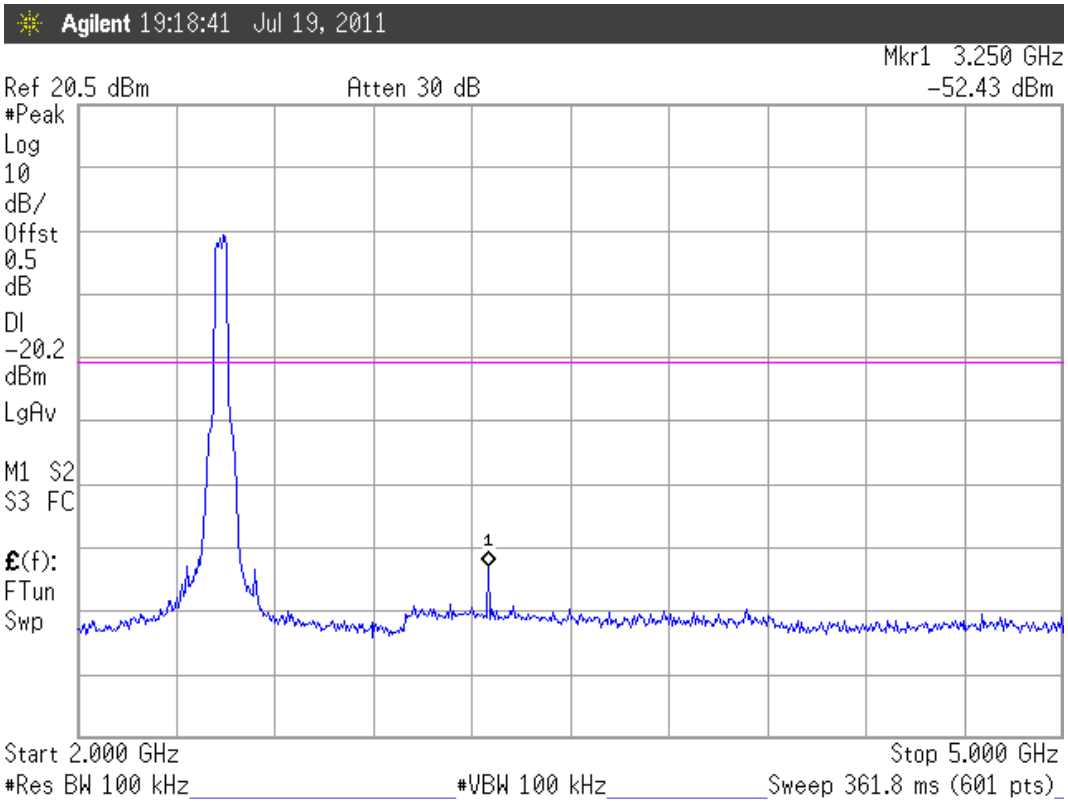

Agilent 18:54:19 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

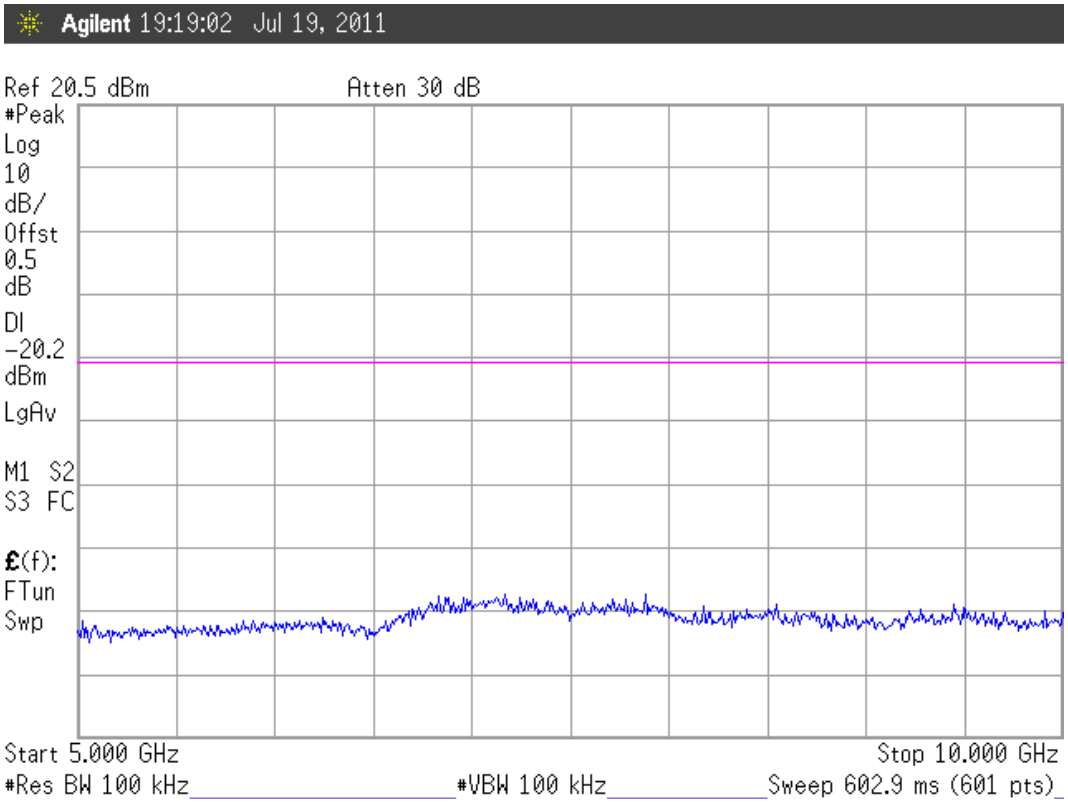

Agilent 18:54:45 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

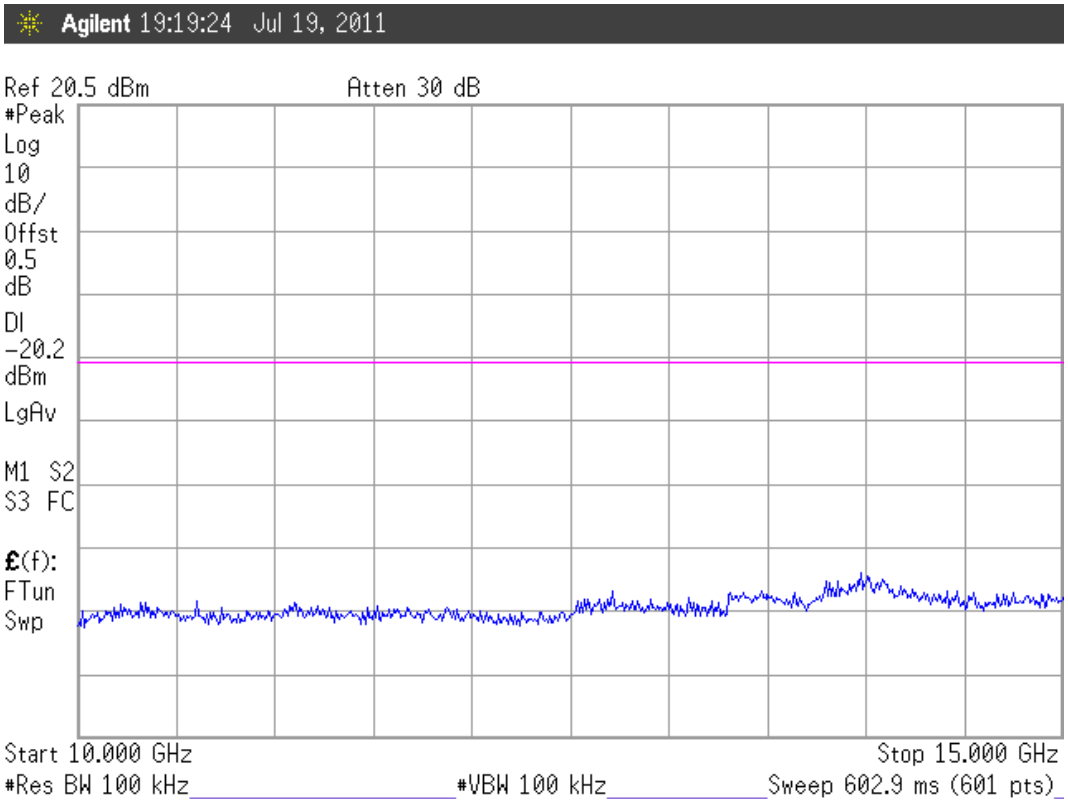

Agilent 18:55:12 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

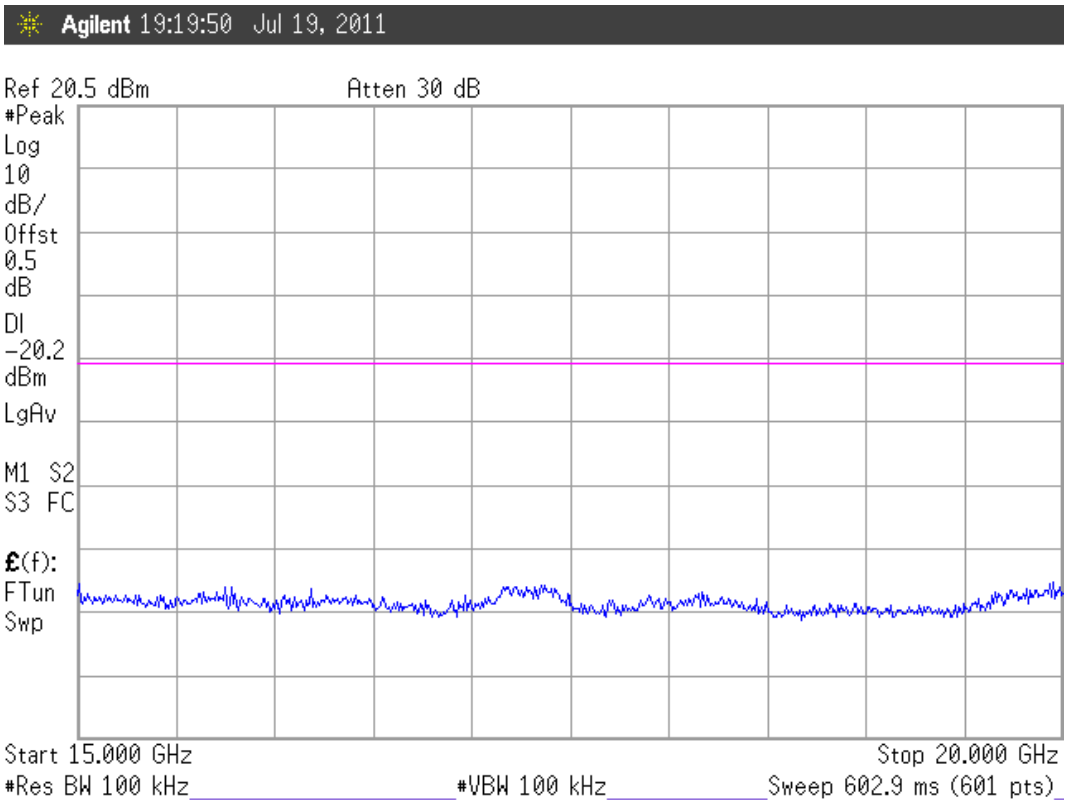
802.11n-HT40, Frequency: 2437MHz

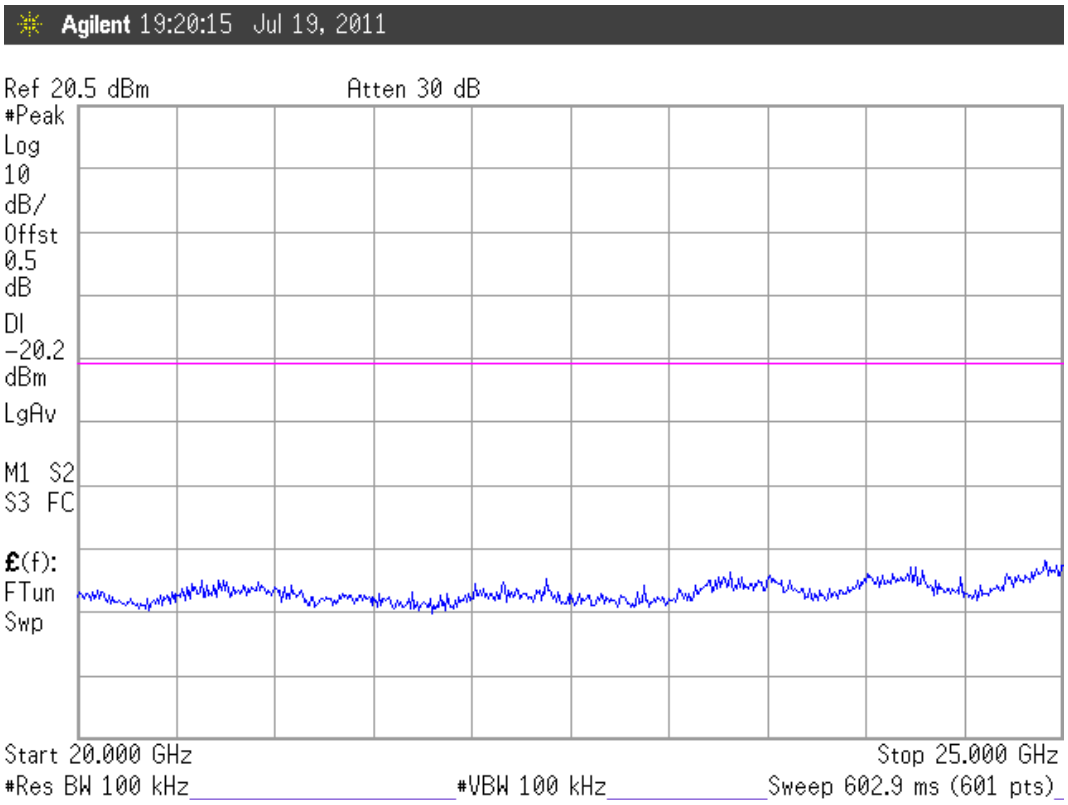




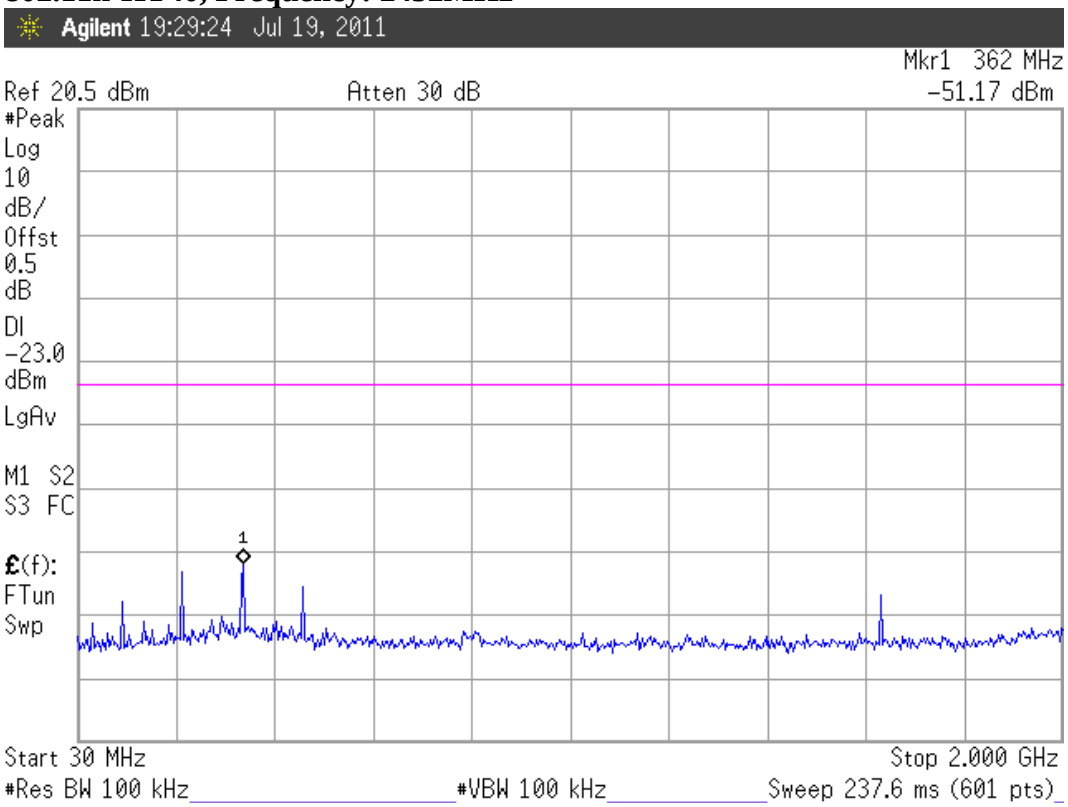

Agilent 19:19:02 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

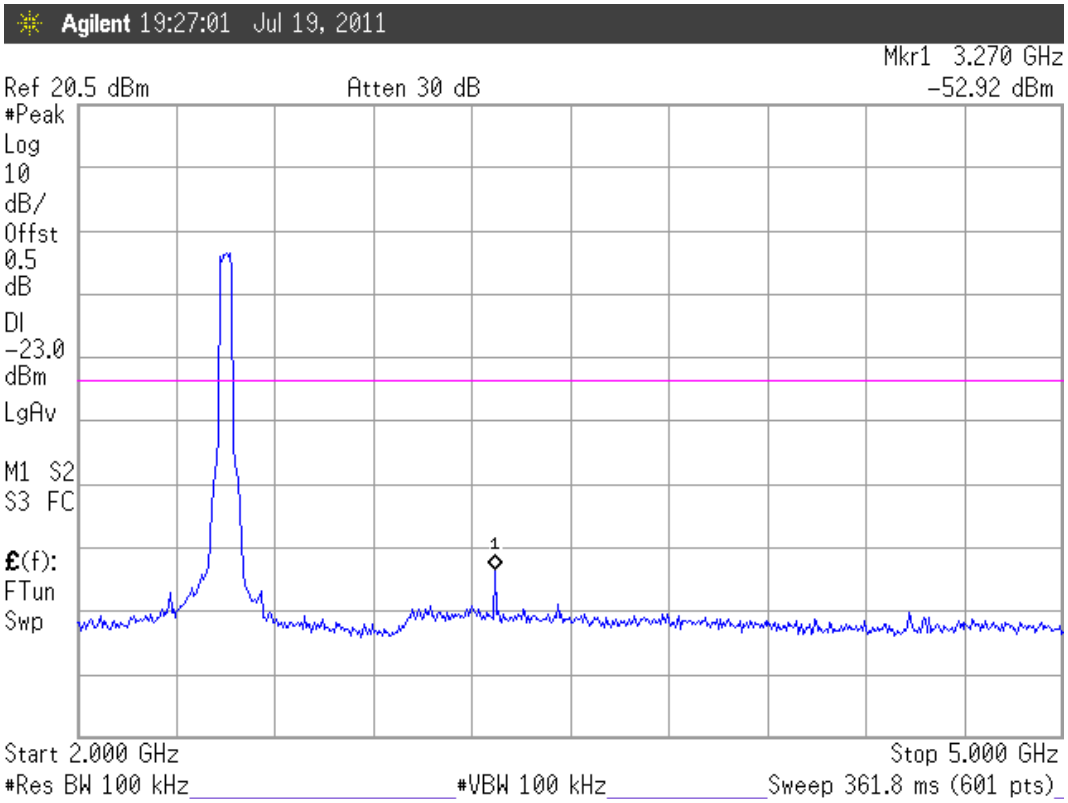

Agilent 19:19:24 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

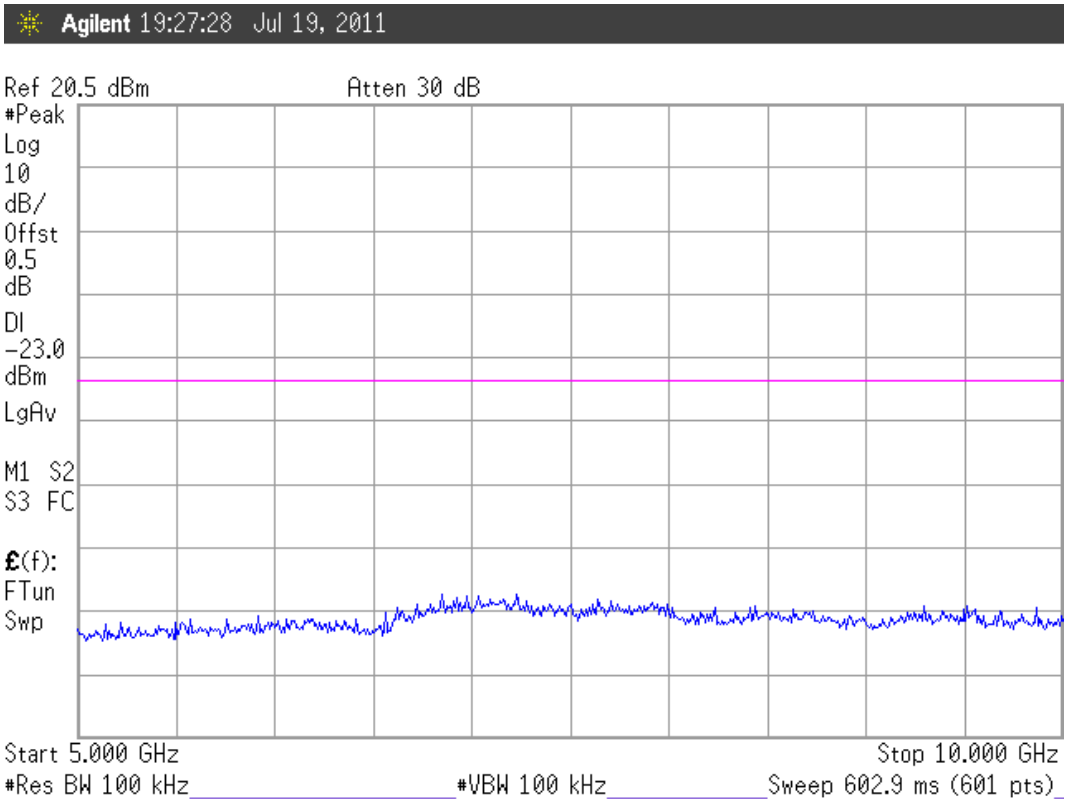

Agilent 19:19:50 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

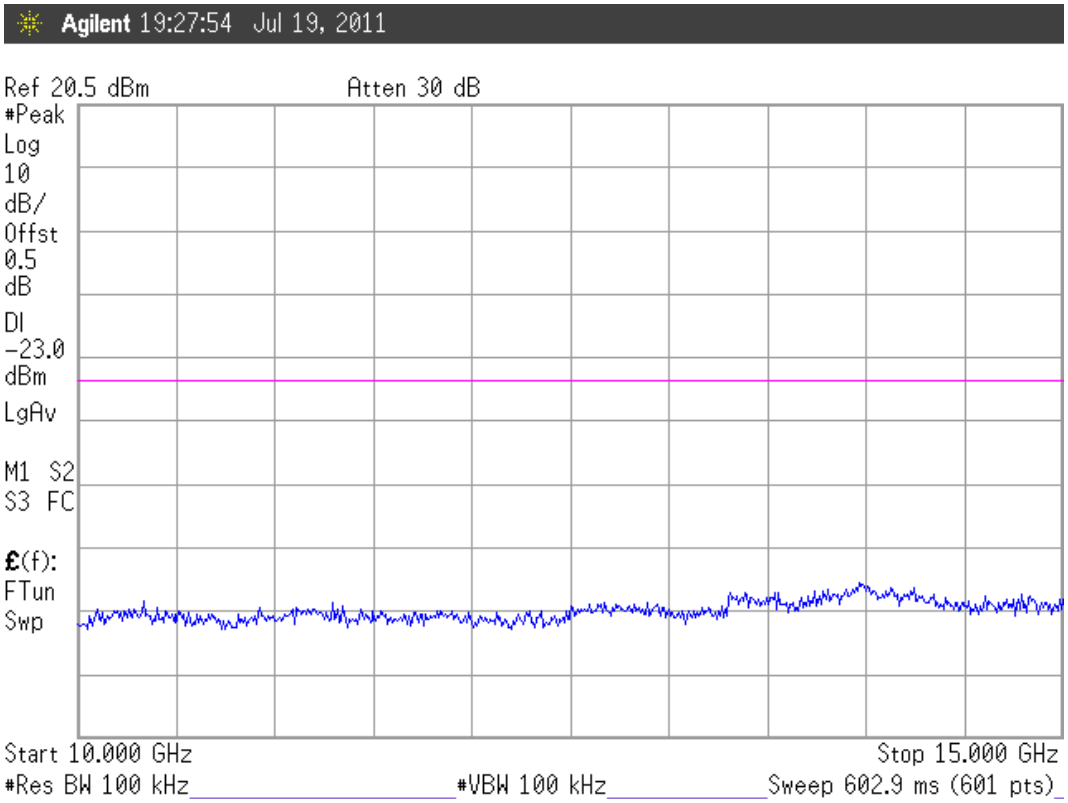

Agilent 19:20:15 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-20.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

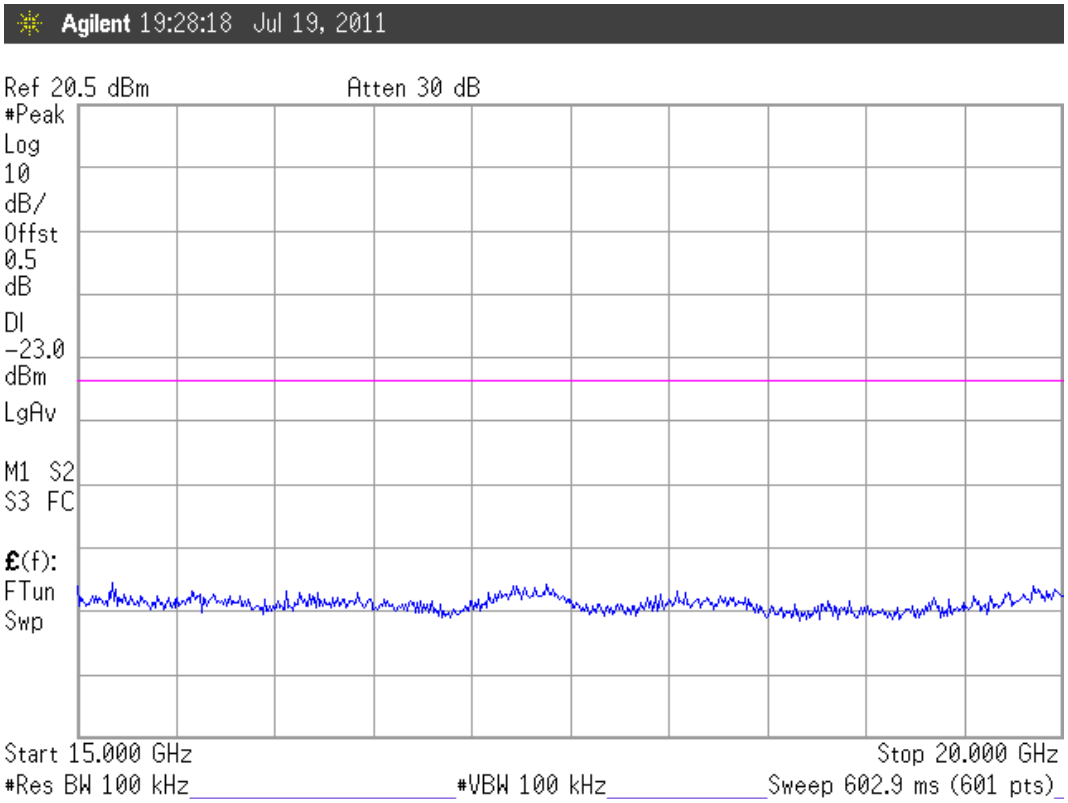
802.11n-HT40, Frequency: 2452MHz

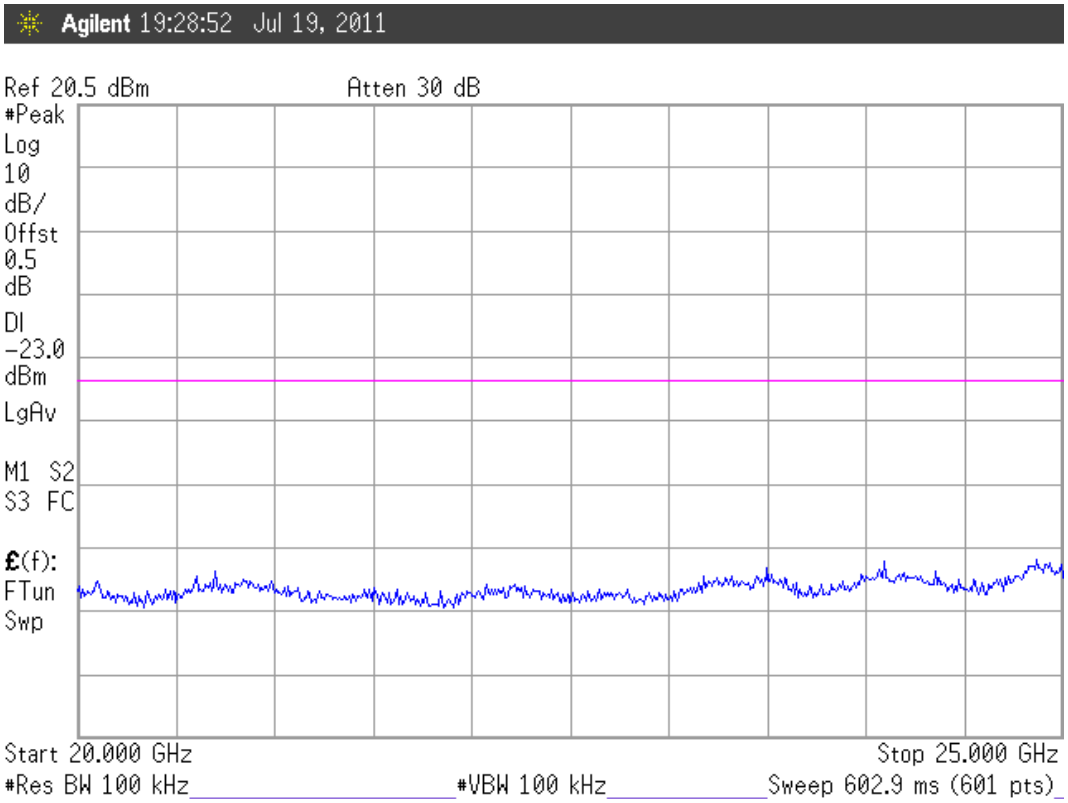





Agilent 19:27:28 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 5.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)


Agilent 19:27:54 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 10.000 GHz
Stop 15.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)


Agilent 19:28:18 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 15.000 GHz
Stop 20.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)


Agilent 19:28:52 Jul 19, 2011
Ref 20.5 dBm
Atten 30 dB
#Peak
Log
10
dB/
Offst
0.5
dB
Dl
-23.0
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Start 20.000 GHz
Stop 25.000 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 602.9 ms (601 pts)

7. BAND EDGES MEASUREMENT

7.1. Test Equipment

The following test equipment was used during the band edges measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’

7.2. Block Diagram of Test Setup

The same as section.4.2.

7.3. Specification Limits (§15.247(c))

The highest level should be at least 20 dB below that in the 100kHz bandwidth.

7.4. Operating Condition of EUT

The test program “Ralink Wireless Utility” was used to enable the EUT to transmit data at different channel frequency individually.

7.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100kHz bandwidth from band edge.
The measurement guideline was according to KDB 558074.

7.6. Test Results

PASSED. All the test results are attached in next pages.

Test Date: Jul. 19, 2011 Temperature : 26℃ Humidity : 49 %

802.11b

Below Band edge: The highest emission level is –42.90dBm on 2.39992GHz。
Upper Band edge : The highest emission level is –53.04dBm on 2.48350GHz。

802.11g

Below Band edge: The highest emission level is –31.32dBm on 2.39992GHz。
Upper Band edge : The highest emission level is –48.19dBm on 2.48350GHz。

802.11n-HT20

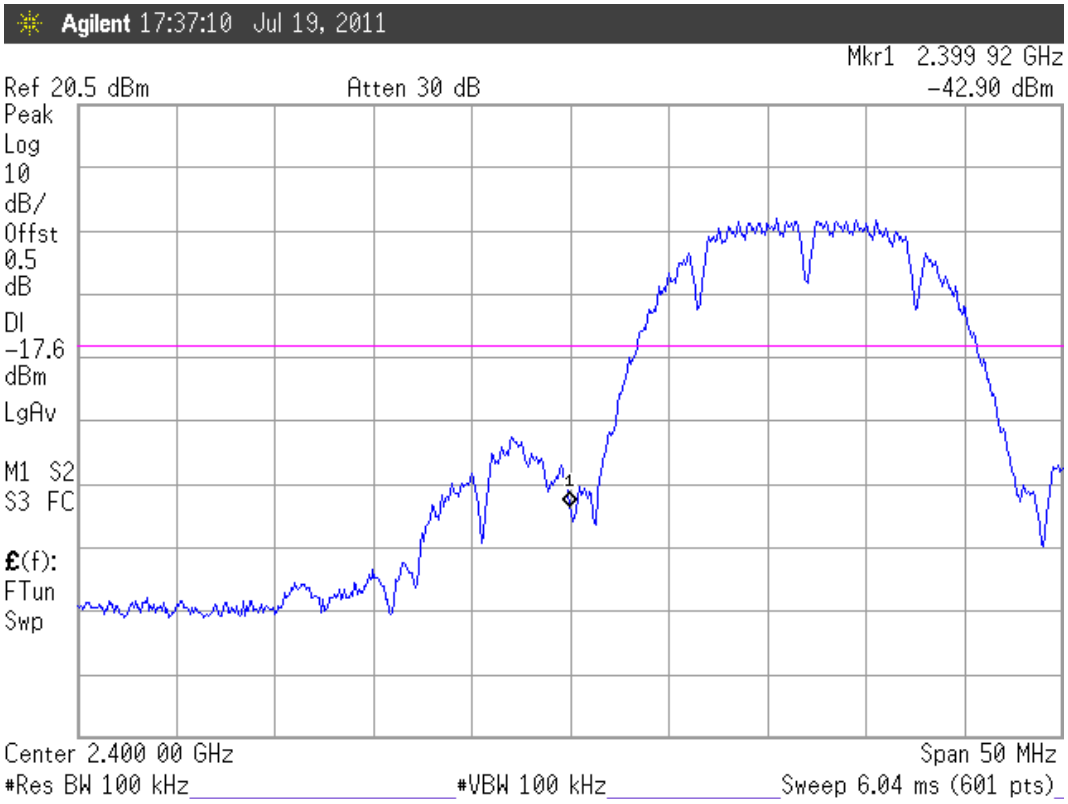
Below Band edge: The highest emission level is –36.71dBm on 2.39992GHz。
Upper Band edge : The highest emission level is –45.01dBm on 2.48350GHz。

802.11n-HT40

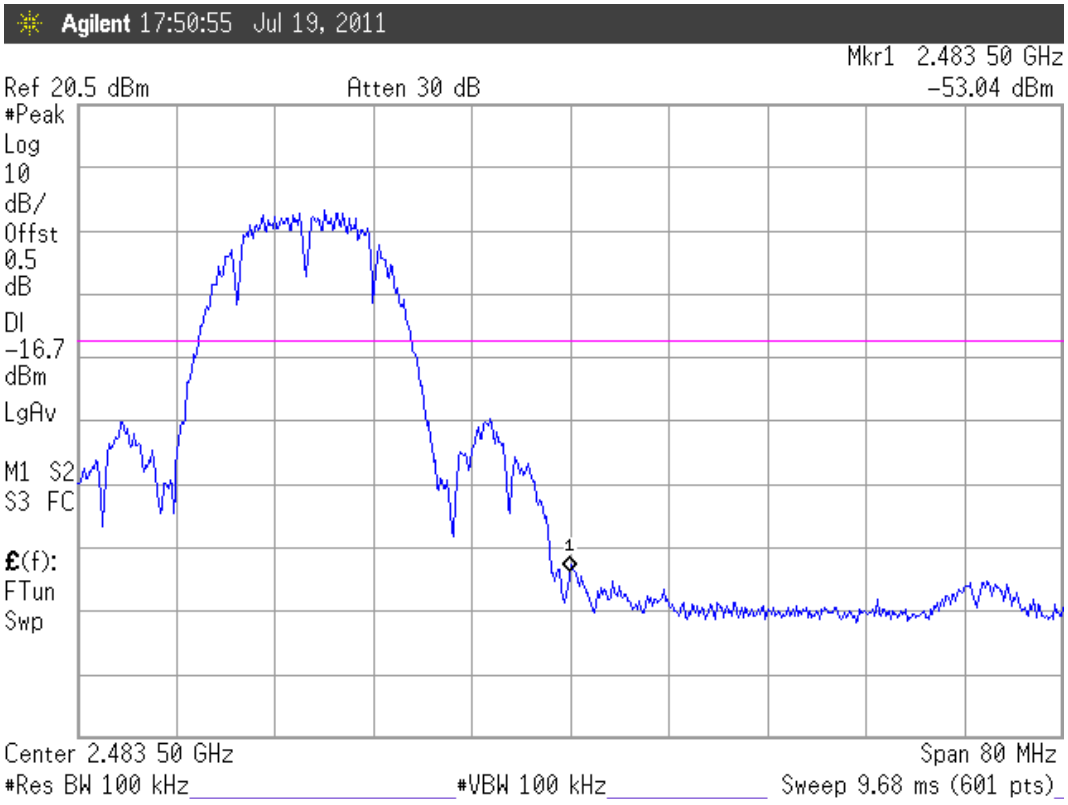
Below Band edge: The highest emission level is –34.91dBm on 2.40000GHz。
Upper Band edge : The highest emission level is –37.12dBm on 2.48350GHz。

802.11b

Below Band edge

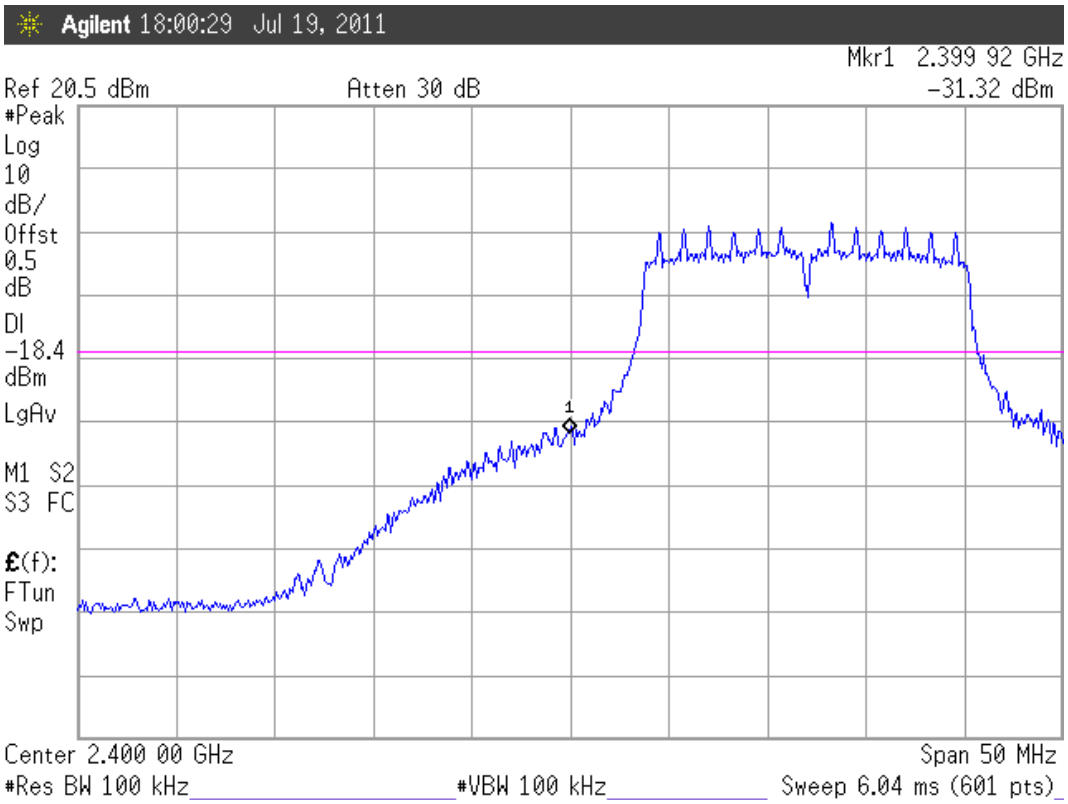


Upper Band edge

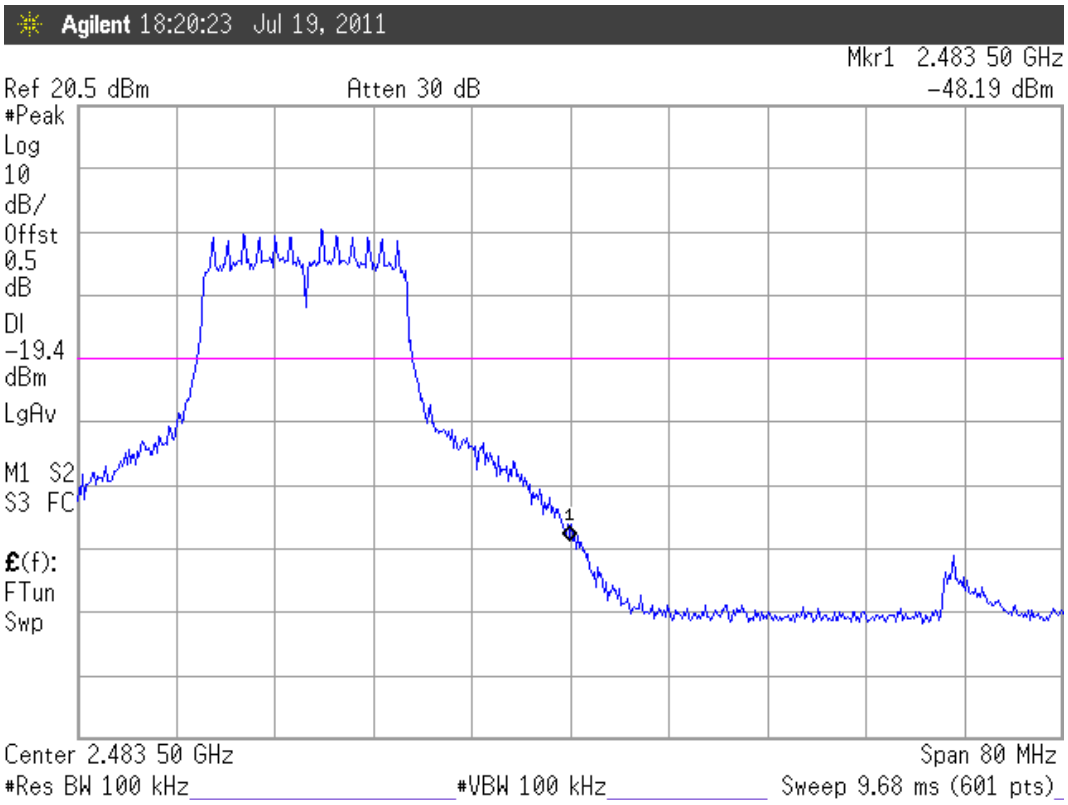


802.11g

Below Band edge

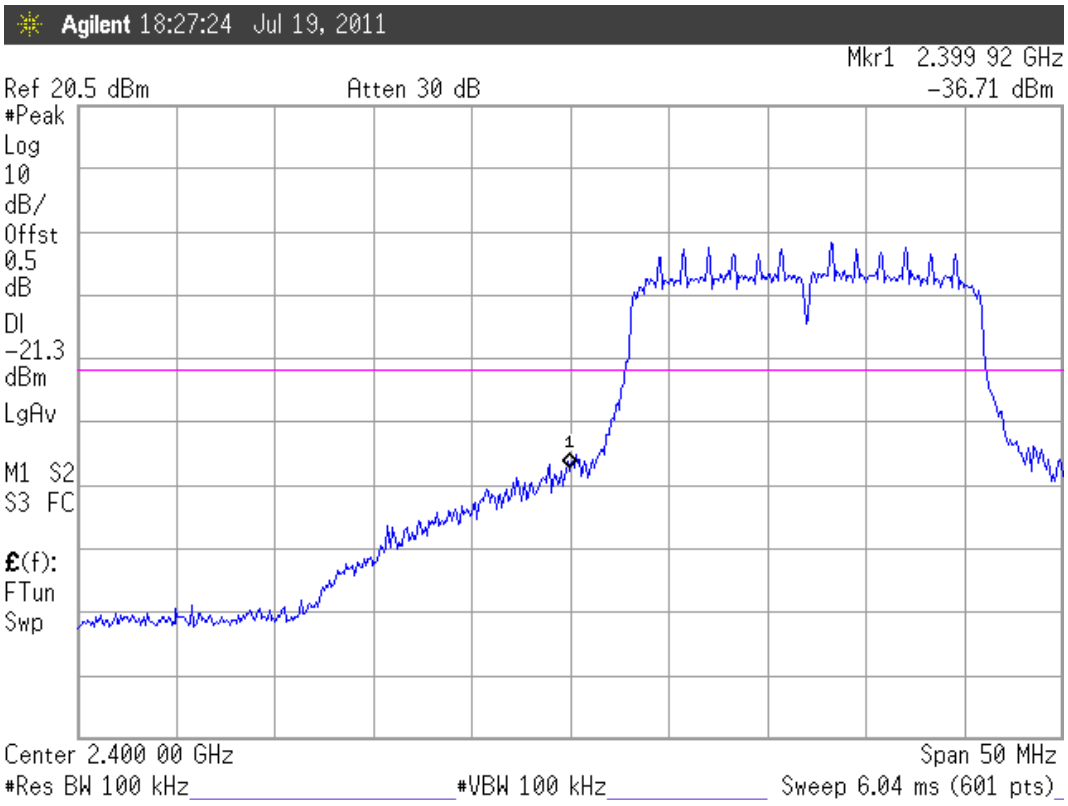


Upper Band edge

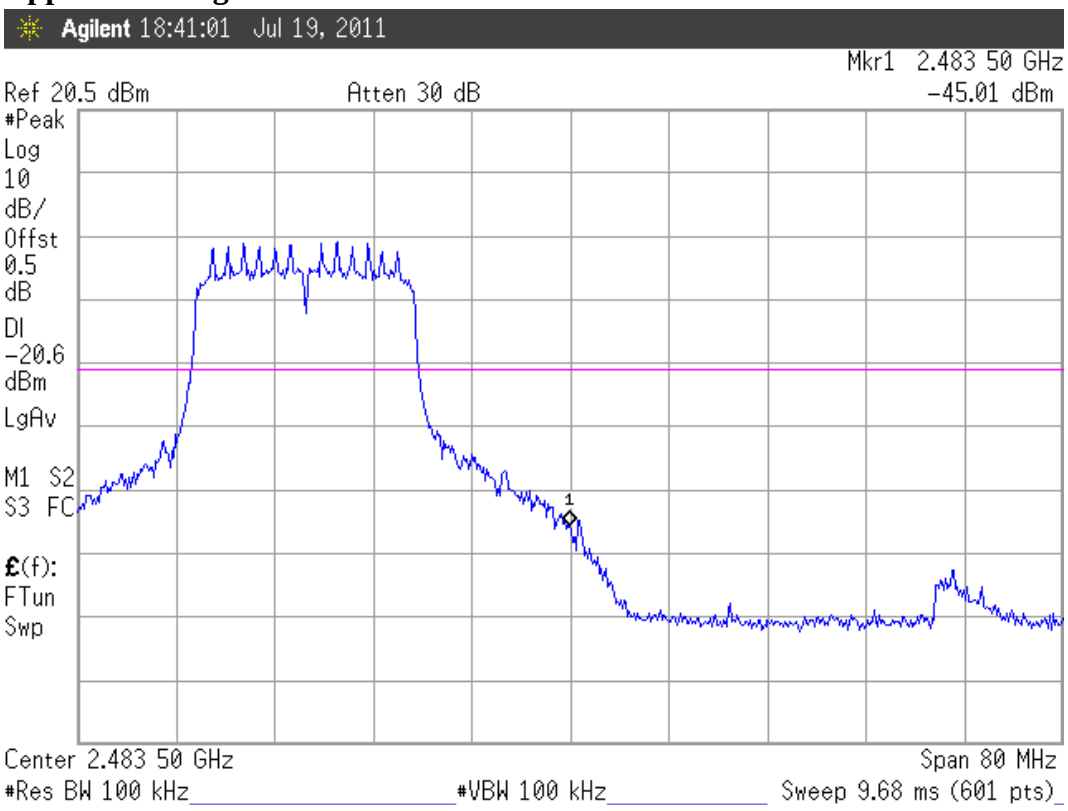


802.11n-HT20

Below Band edge

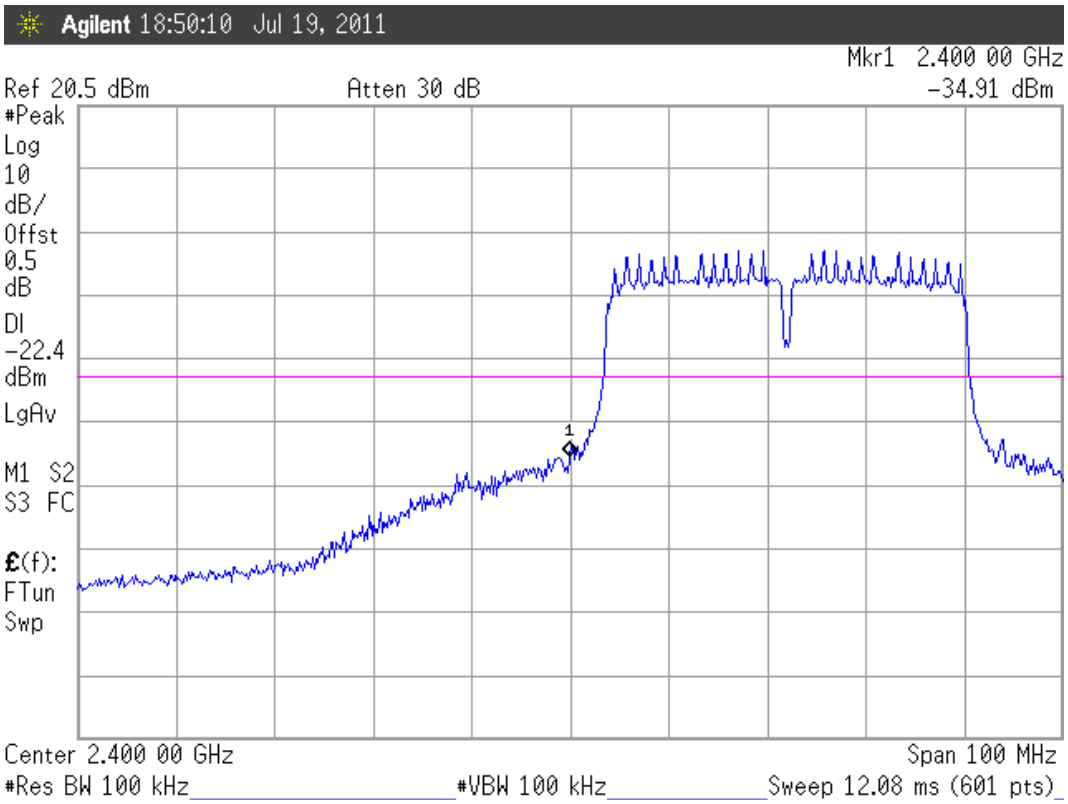


Upper Band edge

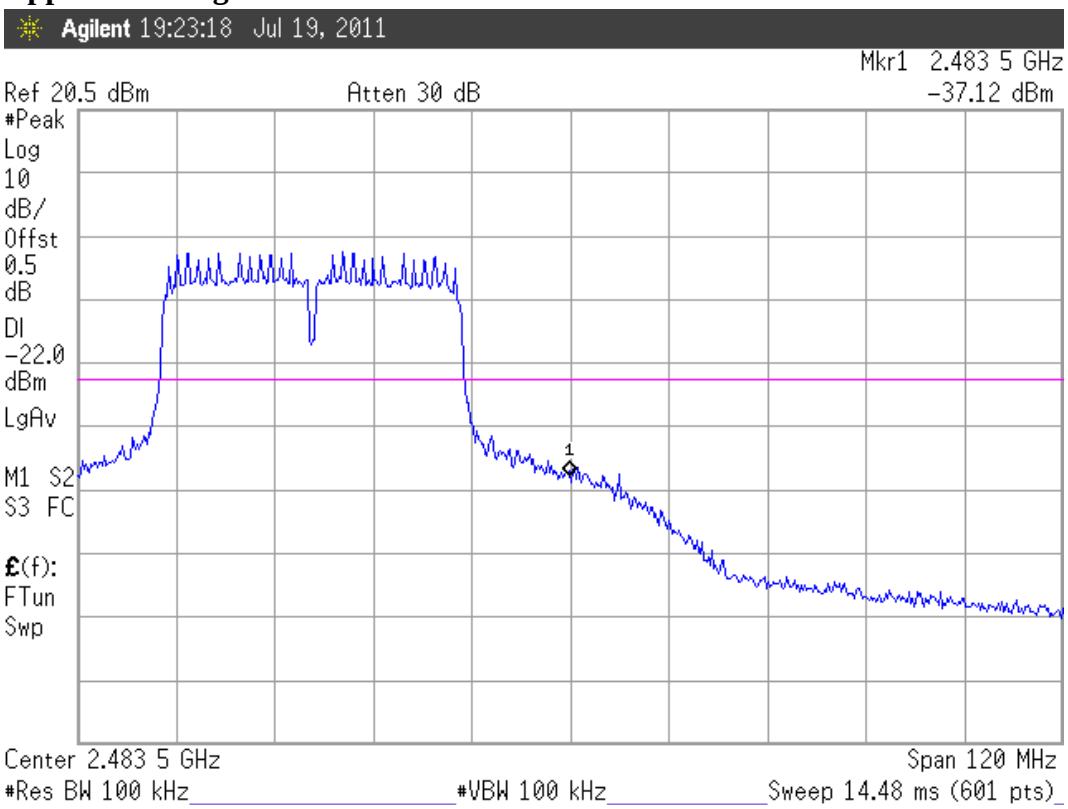


802.11n-HT40

Below Band edge



Upper Band edge



8. POWER SPECTRAL DENSITY MEASUREMENT

8.1. Test Equipment

The following test equipment was used during the power spectral density measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’

8.2. Block Diagram of Test Setup

The same as section.4.2.

8.3. Specification Limits (§15.247(d))

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

8.4. Operating Condition of EUT

The test program “Ralink Wireless Utility” was used to enable the EUT to transmit data at different channel frequency individually.

8.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/3kHz.
The measurement guideline was according to KDB 558074.

8.6. Test Results

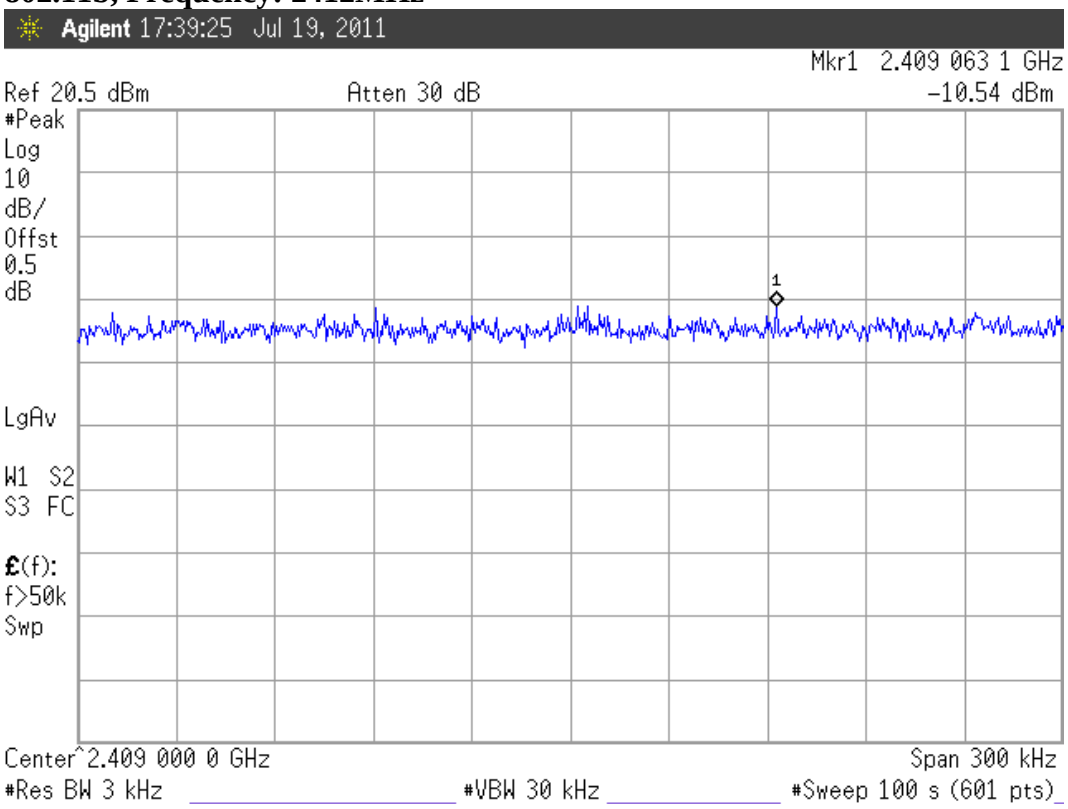
PASSED. All the test results are attached in next pages.

Test Date: Jul. 19, 2011 Temperature : 26℃ Humidity : 49 %

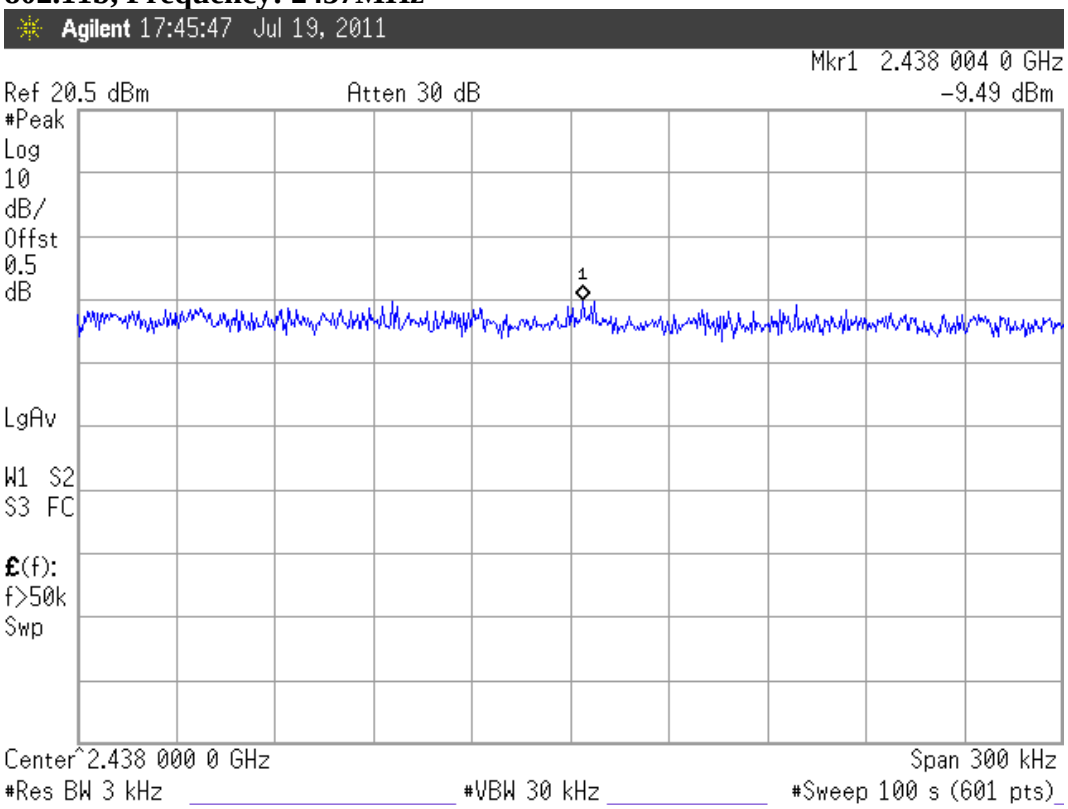
Mode	Type of Network	Channel	Frequency	**Power Spectral Density (dBm)**
1.	802.11b	CH 1	2412MHz	**-10.54dBm**
2.		CH 6	2437MHz	**-9.49dBm**
3.		CH 11	2462MHz	**-9.41dBm**
4.	802.11g	CH 1	2412MHz	**-13.59dBm**
5.		CH 6	2437MHz	**-12.19dBm**
6.		CH 11	2462MHz	**-14.83dBm**
7.	802.11n-HT20	CH 1	2412MHz	**-16.73dBm**
8.		CH 6	2437MHz	**-16.15dBm**
9.		CH 11	2462MHz	**-14.88dBm**
10.	802.11n-HT40	CH 3	2422MHz	**-17.25dBm**
11.		CH 6	2437MHz	**-18.73dBm**
12.		CH 9	2452MHz	**-17.55dBm**

[Limit: 8dBm]

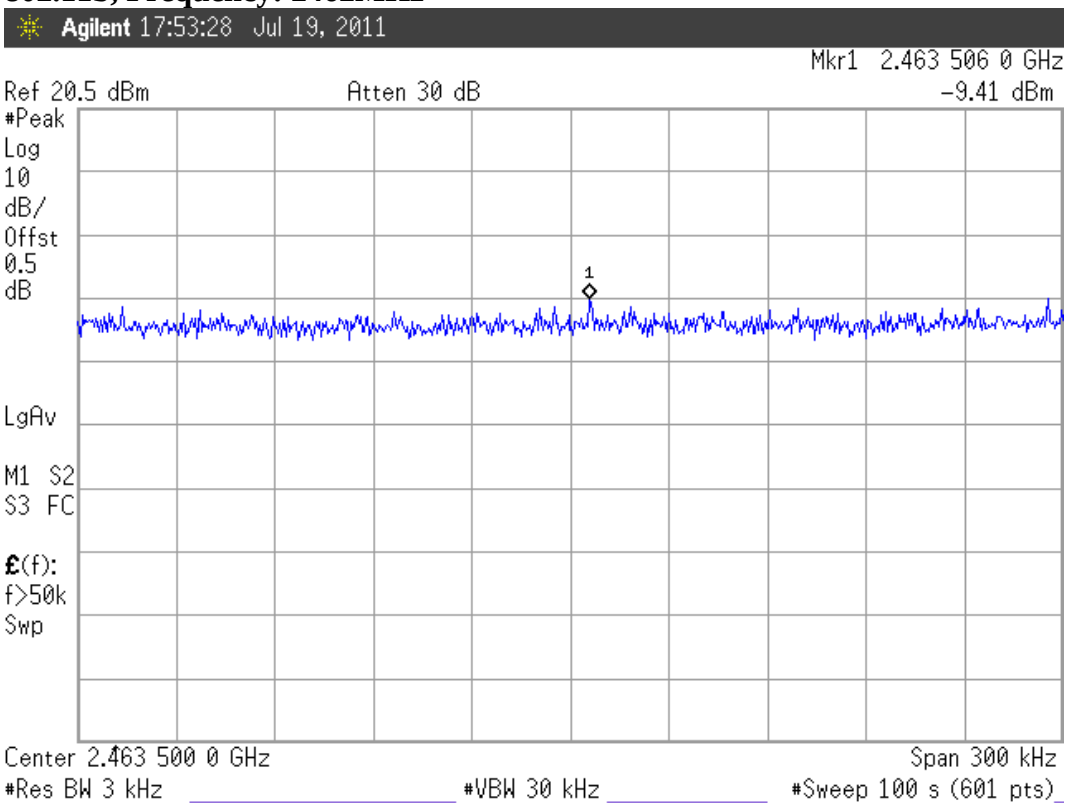
802.11b, Frequency: 2412MHz



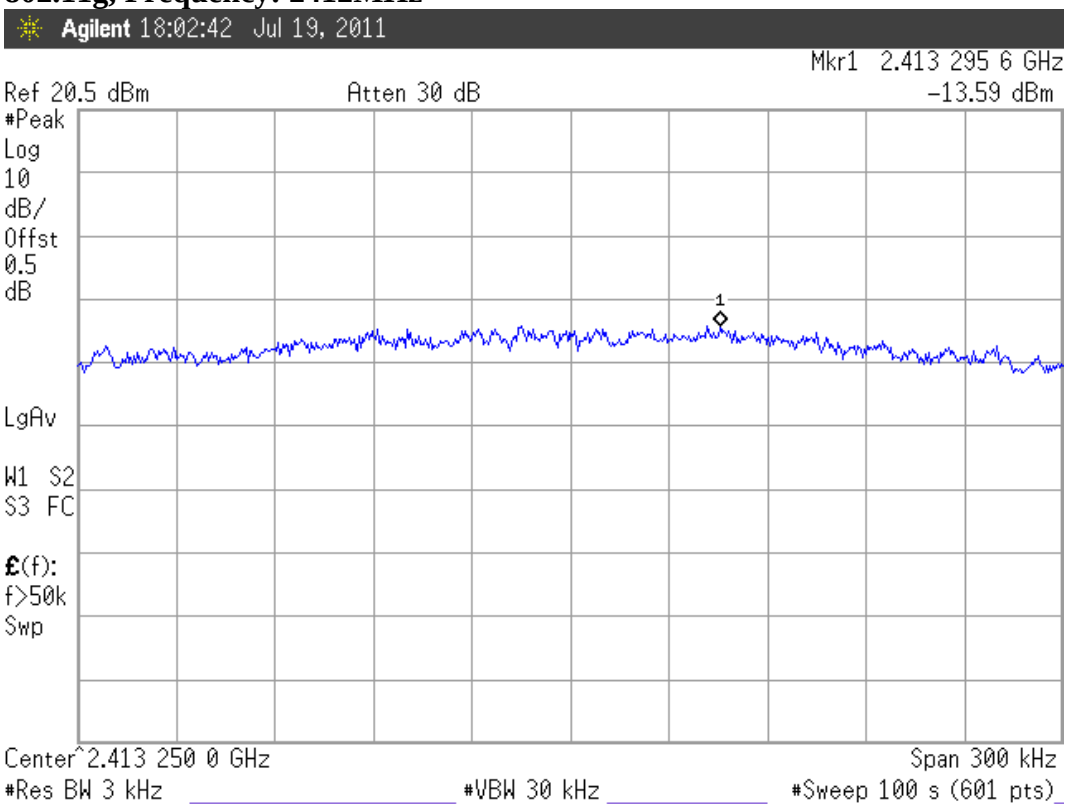
802.11b, Frequency: 2437MHz



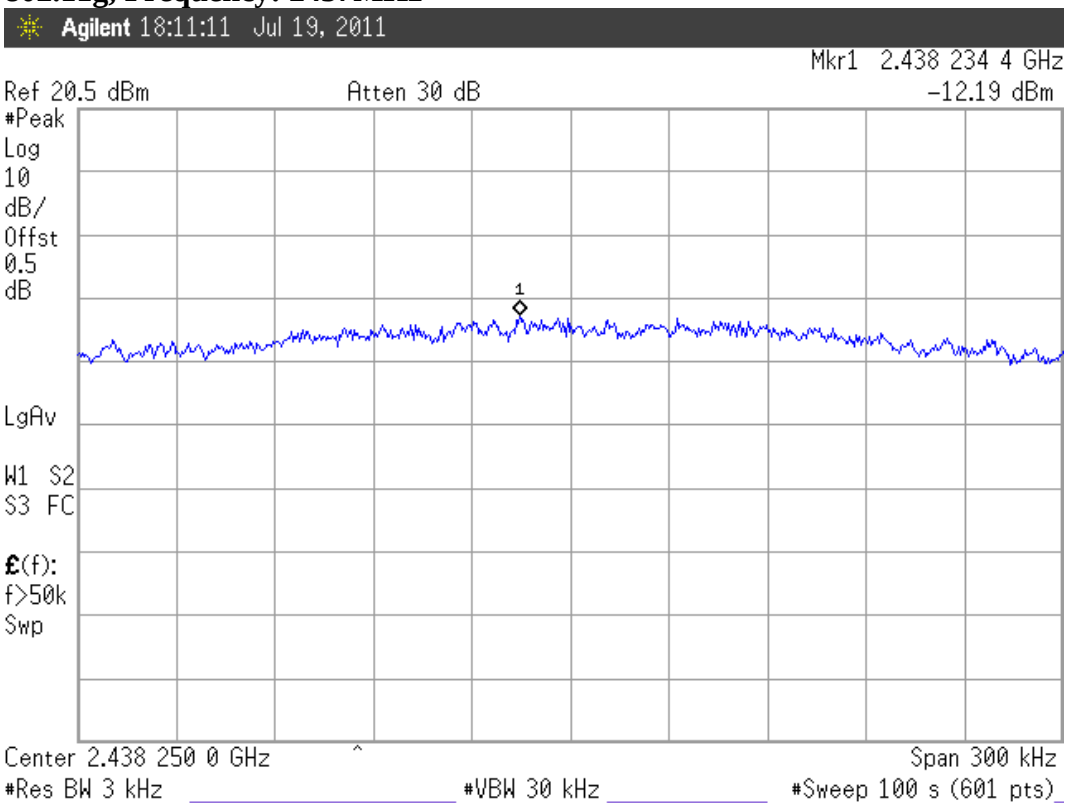
802.11b, Frequency: 2462MHz



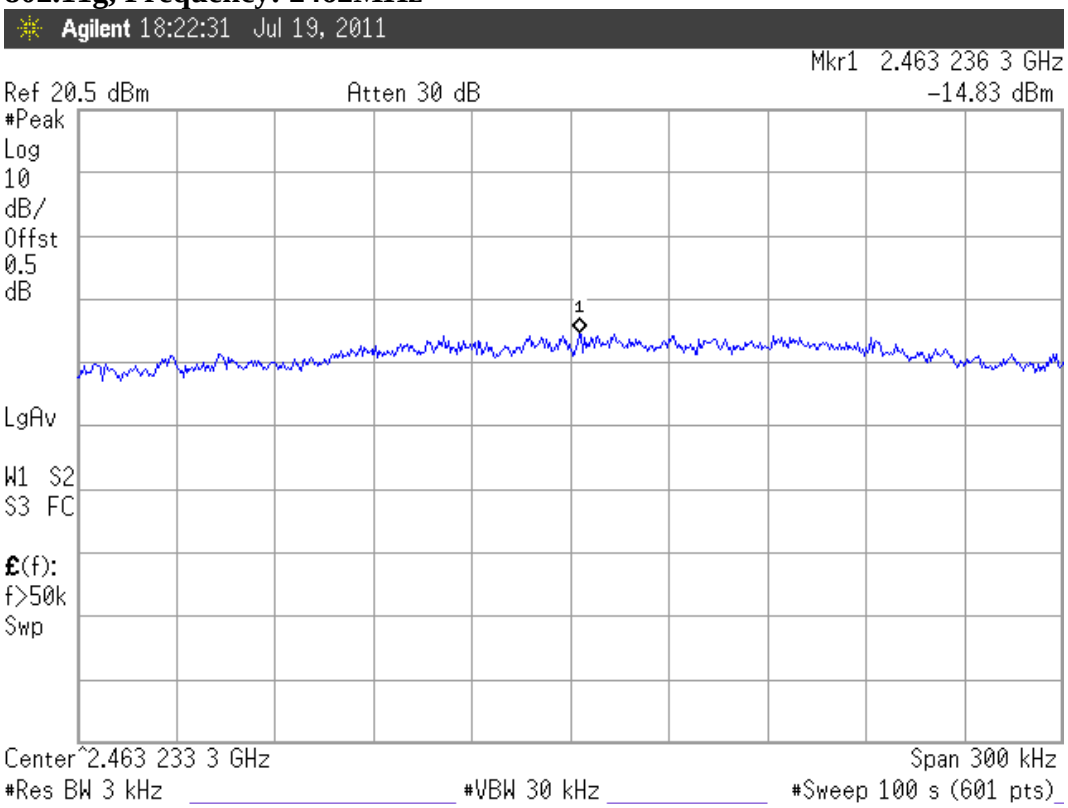
802.11g, Frequency: 2412MHz



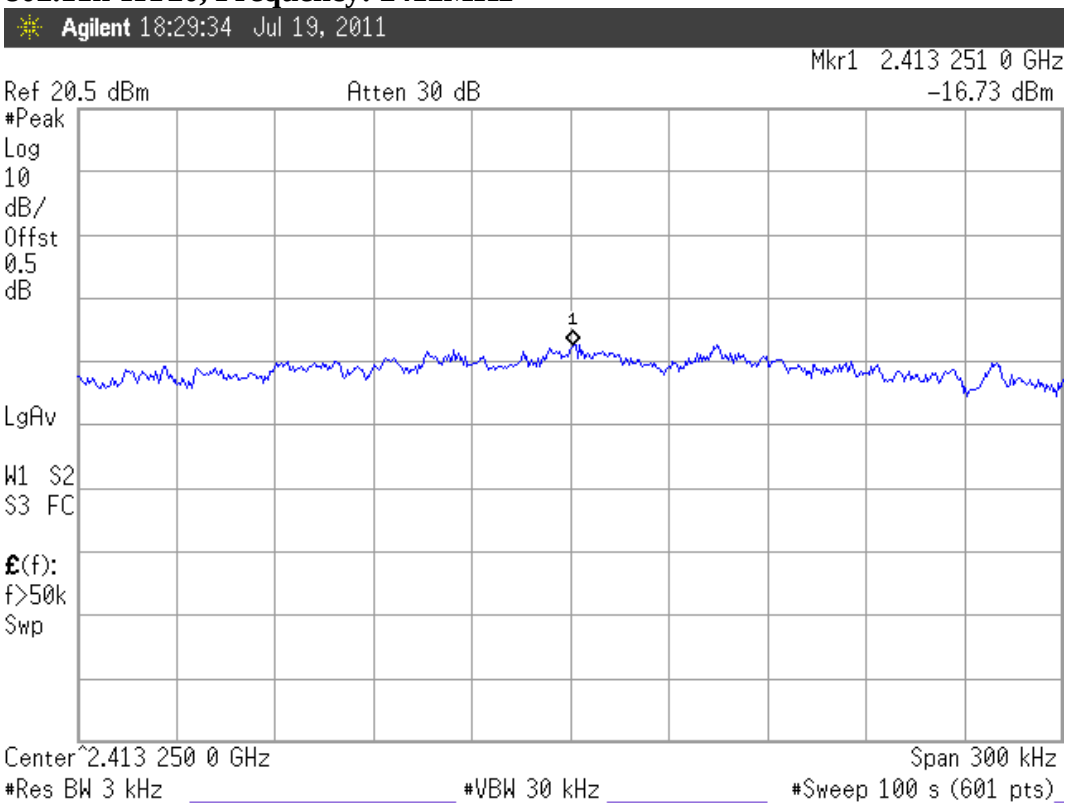
802.11g, Frequency: 2437MHz



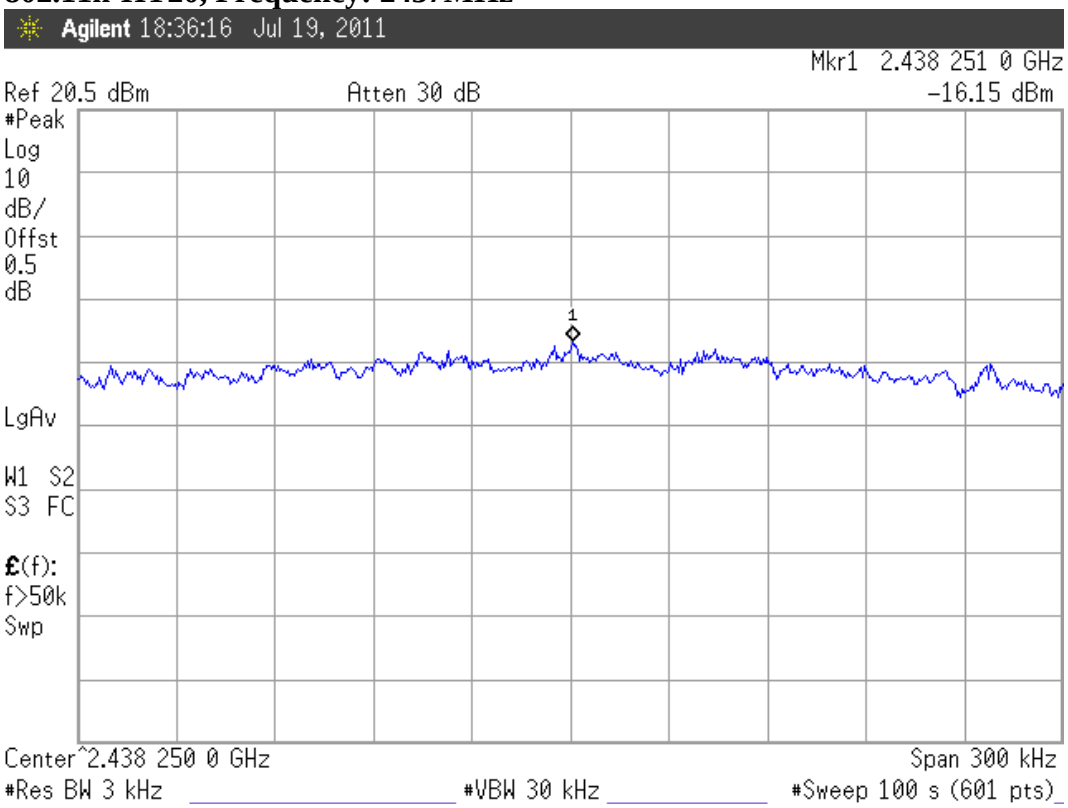
802.11g, Frequency: 2462MHz



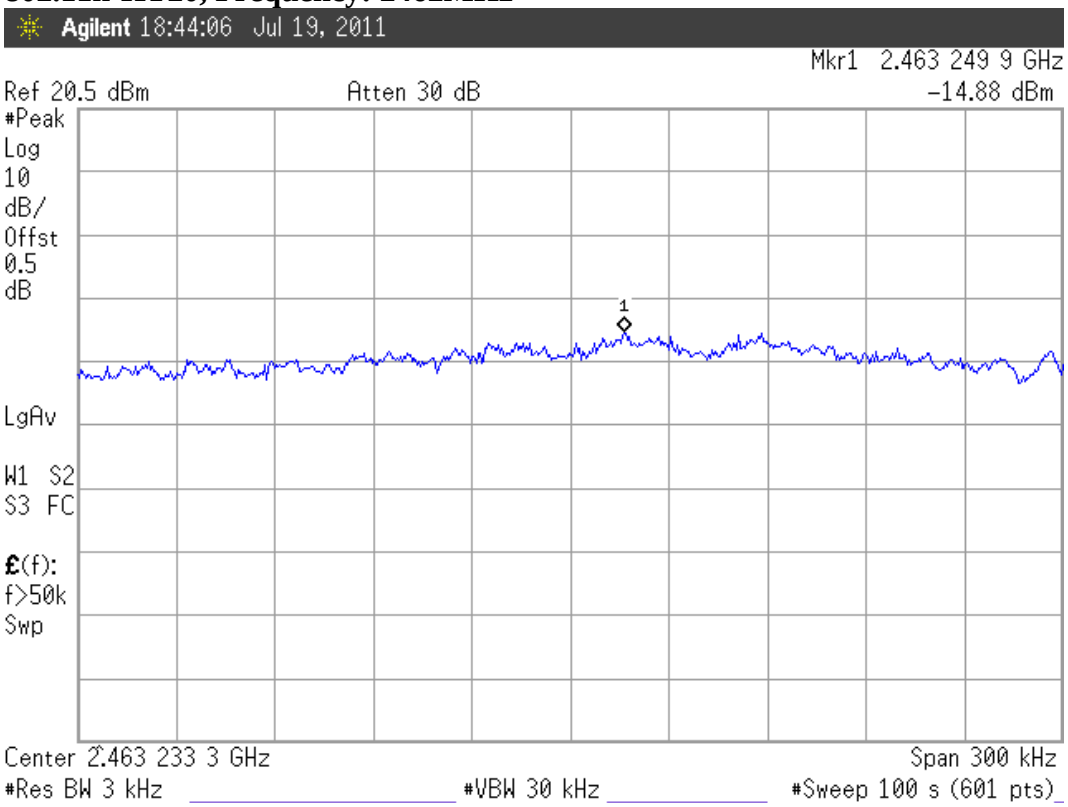
802.11n-HT20, Frequency: 2412MHz



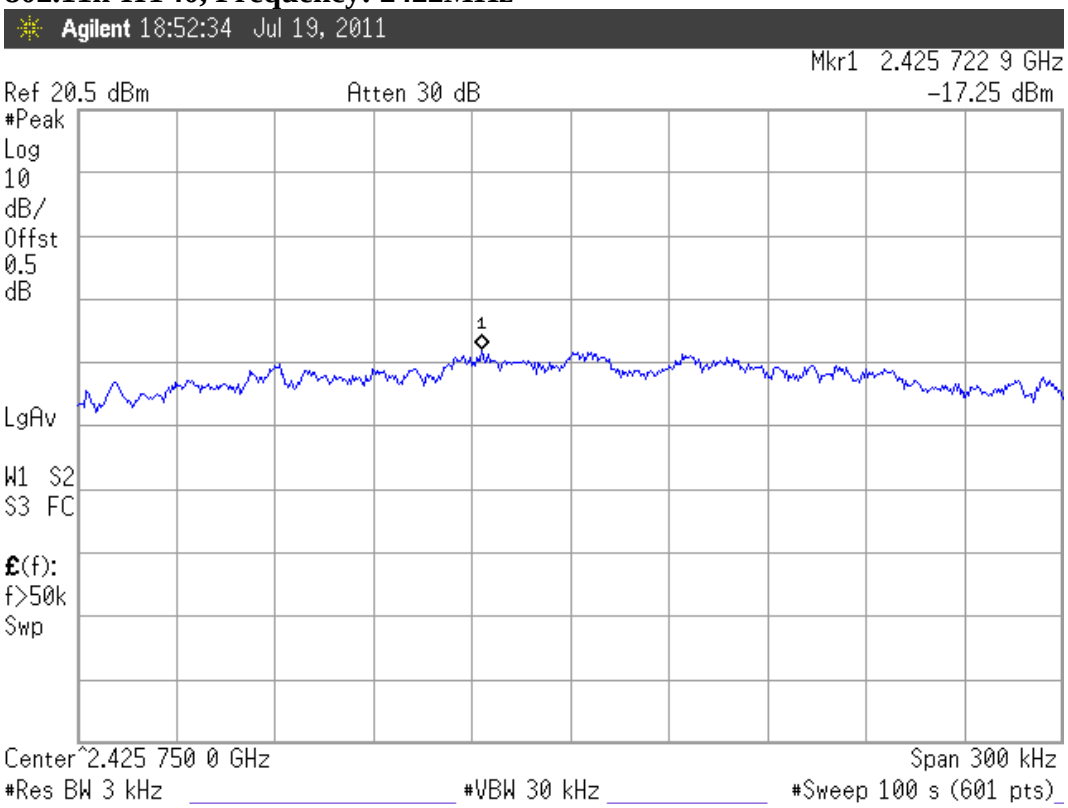
802.11n-HT20, Frequency: 2437MHz



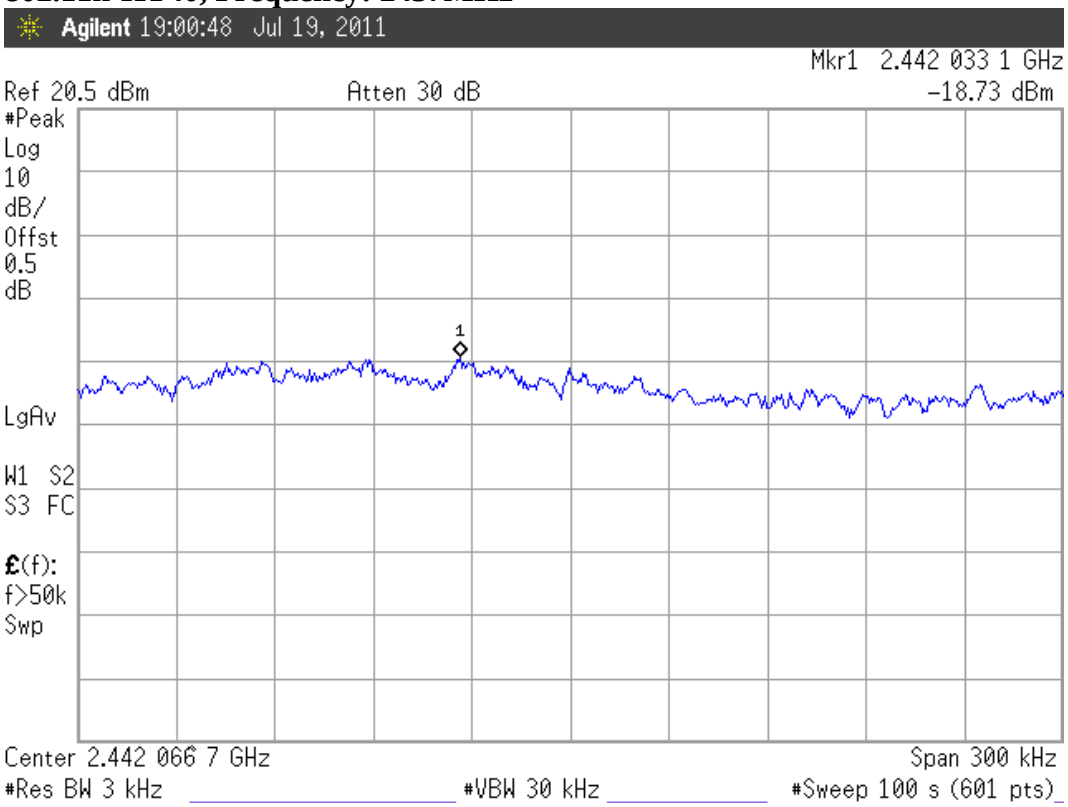
802.11n-HT20, Frequency: 2462MHz



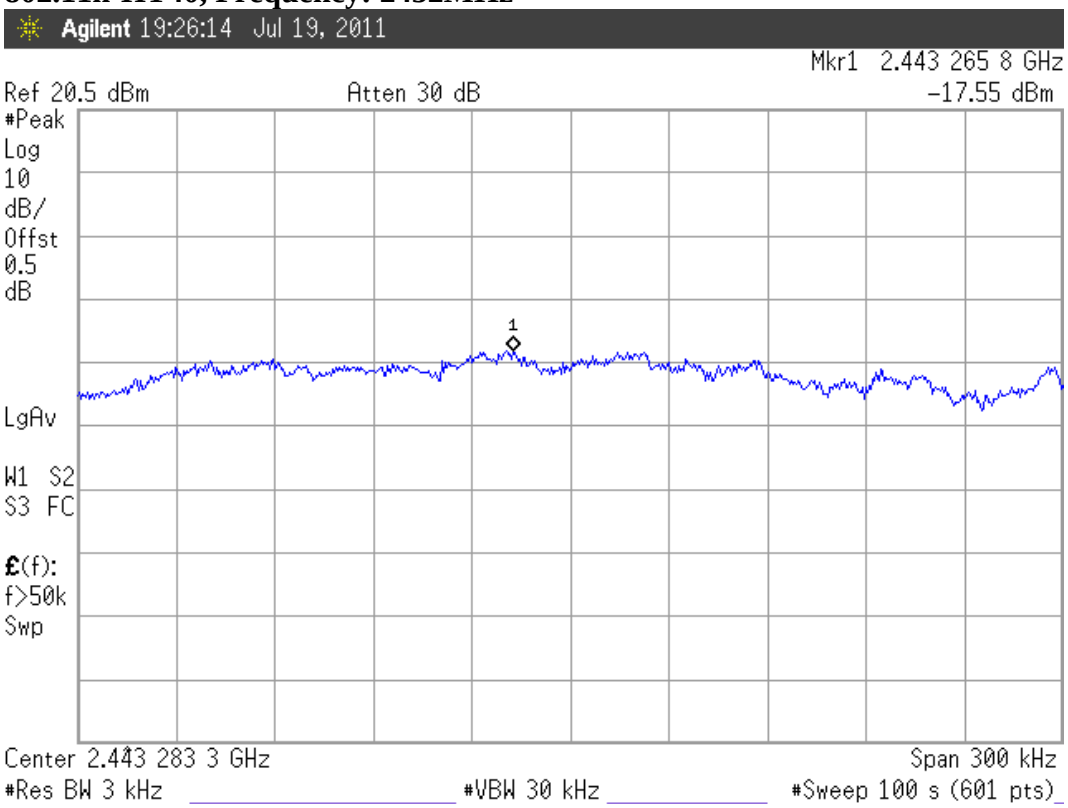
802.11n-HT40, Frequency: 2422MHz



802.11n-HT40, Frequency: 2437MHz



802.11n-HT40, Frequency: 2452MHz



9. DEVIATION TO TEST SPECIFICATIONS

【NONE】