APPLICATION FOR CERTIFICATION

On Behalf of

LG Electronics Inc.

Wi-Fi module

Model No. : WN8522D1

FCC ID : BEJWN8522D1

Brand : LG

Prepared for : LG Electronics Inc.
19-1, Cheongho-ri, Jinwi-myeon,
Pyeongtaek-si, Gyeonggi-do, 451-713, Korea

Prepared by : AUDIX Technology Corporation
EMC Department
No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
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File Number	:	C1M1010009
Report Number	:	EM-F991000
Date of Test	:	Oct. 06 ~ Nov. 03, 2010
Date of Report	:	Nov. 03, 2010

TABLE OF CONTENTS

TEST REPORT CERTIFICATION

Applicant	:	LG Electronics Inc.		
Manufacturer	:	Compal Networking (KunShan) Co., Ltd.		
EUT Description	:	Wi-Fi module		
FCC ID	:	**BEJWN8522D1**		
		(A) Model No.	:	WN8522D1
		(B) Serial No.	:	N/A
		(C) Brand	:	LG
		(D) Power Supply	:	DC 5V (Powered by Notebook PC)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C, Oct. 2009
And ANSI C63.4/2003

(FCC 47 CFR Part 15C, §15.205 and §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 requirements of FCC Part 15 standards.

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: Oct. 06 ~ Nov. 03, 2010 Date of Report: Nov. 03, 2010

Producer: _____
(Tina Huang/Administrator)

Reviewer: _____
(Henning Chang/Supervisor)

Signatory: _____
(Ben Cheng/Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Wi-Fi module The frequency range of 2400MHz ~ 2483.5MHz、5725MHz ~ 5850MHz was tested in this report. The frequency range 5150 ~ 5250MHz has been tested and the test data are reported in other report of EM-F991001.
Model Number	:	WN8522D1
Serial Number	:	N/A
Brand	:	LG
FCC ID	:	BEJWN8522D1
Applicant	:	LG Electronics Inc. 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea
Manufacturer	:	Compal Networking (KunShan) Co., Ltd. 520 HaoTeng RD., Economic & Technical, Development Zone, Kunshan, JiangSu, China
Fundamental Range	:	2400MHz ~ 2483.5MHz and 5150MHz ~ 5250MHz and 5725MHz ~ 5850MHz
Radio Technology	:	802.11b: DSSS Modulation (DBPSK/DQPSK/CCK) 802.11a/g/n-HT20/n-HT40: OFDM Modulation (BPSK/QPSK/16QAM/64QAM)
Data Transfer Rate	:	802.11b: 1/2/5.5/11Mbps 802.11a/g: 6/9/12/18/24/48/54Mbps 802.11n: up to 300Mbps
Antenna Gain	:	4.67dBi (Peak)
Date of Receipt of Sample	:	Oct. 04, 2010
Date of Test	:	Oct. 06 ~ Nov. 03, 2010

Antenna Information

Antenna Part Number	Manufacture	Antenna Type	Peak Gain W/ Cable loss (dBi)	
			Frequency (MHz)	Max Gain (dBi)
Outer Ant./120800003700J	arcadyan	Metal Type-PIFA Antenna	2400-2500MHz	1.17dBi (peak)
			5150-5250MHz	4.67dBi (peak)
			5725-5850MHz	3.30dBi (peak)
Inner Ant./120800003600J	arcadyan	Metal Type-PIFA Antenna	2400-2500MHz	1.39dBi (peak)
			5150-5250MHz	3.89dBi (peak)
			5725-5850MHz	2.34dBi (peak)

1.2. Data Rate Relative to Output Power

802.11b			
Channel	Modulation	Date Rate(Mbps)	Power(dBm)
1	DBPSK	1	19.61
1	DQPSK	2	19.54
1	CCK	5.5	19.50
1	CCK	11	19.47

802.11g				802.11a			
Channel	Modulation	Date Rate (Mbps)	Power (dBm)	Channel	Modulation	Date Rate (Mbps)	Power (dBm)
1	BPSK	6	22.31	149	BPSK	6	22.93
1	BPSK	9	22.26	149	BPSK	9	22.89
1	QPSK	12	22.24	149	QPSK	12	22.88
1	QPSK	18	22.21	149	QPSK	18	22.81
1	16-QAM	24	22.19	149	16-QAM	24	22.73
1	16-QAM	36	22.19	149	16-QAM	36	22.70
1	64-QAM	48	22.97	149	64-QAM	48	22.59
1	64-QAM	54	22.91	149	64-QAM	54	22.55

802.11n-HT20				802.11n-HT20			
Channel	Modulation	Date Rate (Mbps)	Power (dBm)	Channel	Modulation	Date Rate (Mbps)	Power (dBm)
1	BPSK	6.5	24.17	149	BPSK	6.5	24.66
1	QPSK	13	24.08	149	QPSK	13	24.59
1	QPSK	19.5	24.01	149	QPSK	19.5	24.55
1	16-QAM	26	23.95	149	16-QAM	26	24.51
1	16-QAM	39	23.89	149	16-QAM	39	24.40
1	64-QAM	52	23.85	149	64-QAM	52	24.31
1	64-QAM	58.6	23.79	149	64-QAM	58.6	24.25
1	64-QAM	65	23.74	149	64-QAM	65	24.20

802.11g-HT40				802.11g-HT40			
Channel	Modulation	Date Rate (Mbps)	Power (dBm)	Channel	Modulation	Date Rate (Mbps)	Power (dBm)
3	BPSK	13.5	22.07	151	BPSK	13.5	23.27
3	QPSK	27	22.01	151	QPSK	27	23.21
3	QPSK	40.5	21.93	151	QPSK	40.5	23.18
3	16-QAM	54	21.88	151	16-QAM	54	23.11
3	16-QAM	81	21.85	151	16-QAM	81	23.03
3	64-QAM	108	21.79	151	64-QAM	108	22.98
3	64-QAM	121.5	21.75	151	64-QAM	121.5	22.91
3	64-QAM	135	21.71	151	64-QAM	135	22.85

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

1.4.1. NOTEBOOK PC

Model Number	:	PP2170
Serial Number	:	N/A
FCC ID	:	By DoC
BSMI ID	:	33001
Brand	:	hp
AC Adapter	:	COMPAQ, M/N:Series PPP009L FCC By DoC DC Cord: Non-Shielded, Undetachable, 1.8m
USB Cable	:	Non-Shielded, Detachable, 0.25m
Power Cord	:	Non-Shielded, Detachable, 1.8m

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 (C2/Semi-AC)	:	**No. 2 Shielded Room &** No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan **Semi-Anechoic Chamber** No. 53-11, Tin-Fu Tsun, Lin-Kou, Hsiang, Taipei Hsien, Taiwan May 14, 2009 Renewal on Federal Communication Commission Registration Number: 90993
NVLAP Lab. Code	:	200077-0
TAF Accreditation No	:	1724

1.6. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
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

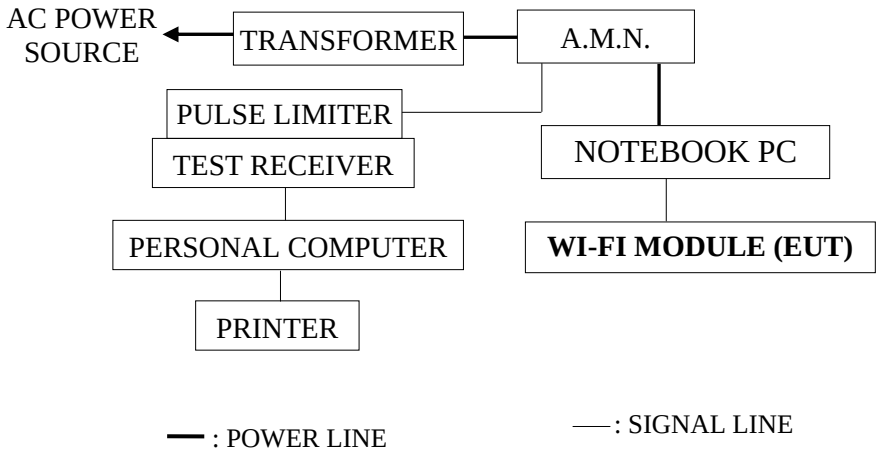
2. CONDUCTED EMISSION MEASUREMET

2.1. Test Equipment

The following test equipment was used during the conducted emission measurement：
(No. 2 Shielded Room)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESCS30	100339	Mar. 10, 10’	Mar. 09, 11’
2.	A.M.N.	R & S	ESH2-Z5	890485/023	Jan. 14, 10’	Jan. 13, 11’
3.	Pulse Limiter	R & S	ESH3-Z2	001	Feb. 08, 10’	Feb. 07, 11’

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. Setup the EUT and simulator as shown on 2.2.

2.4.2. Turn on the power of all equipment.

2.4.3. The Notebook PC was running test software “Broadcom WL Command” to set EUT (Wi-Fi module) on transmitting and receiving during all testing.

2.5. Test Procedure

The EUT (link Notebook PC) was put on table which was above the ground by 80cm and Notebook PC’s 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.)

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

EUT：Wi-Fi module M/N：WN8522D1

Test Date：Oct. 14, 2010 Temperature：27℃ Humidity：73%

Reference Test Data：Neutral # 3; Line # 4

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
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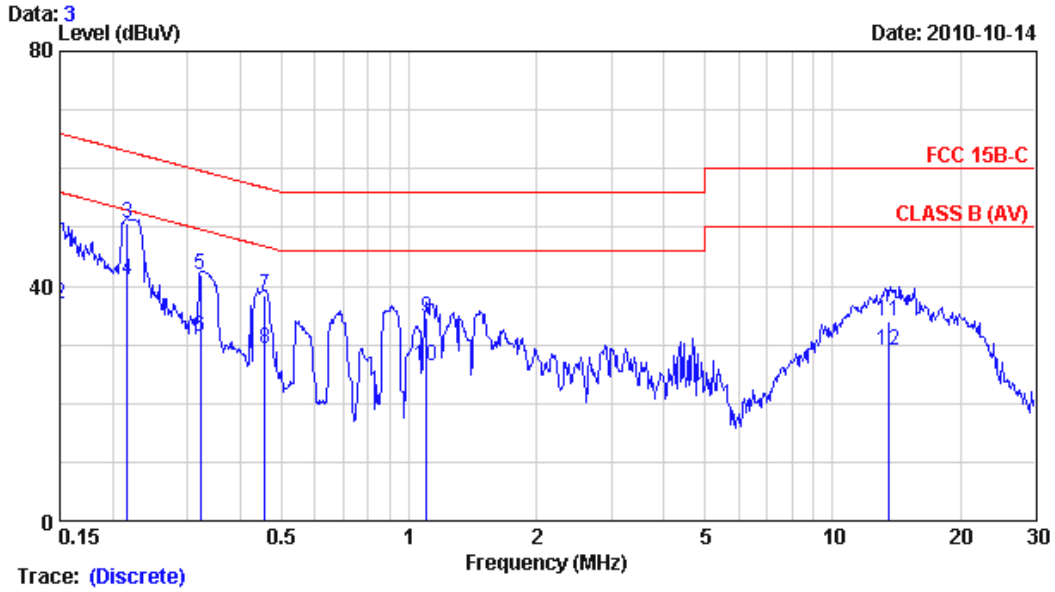
Email:ttemc@ttemc.com.tw



Site : No.2 Shielded room Data : 3
Condition : ESH3-Z5 Phase : NEUTRAL
Limit : FCC 15B-C
Env. / Ins. : 27*C,73% / ESCS 30 (339) Engineer: Charles_Yuan
EUT : WN8522D1
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	0.10	0.24	49.49	49.83	66.00	16.17	QP
2	0.150	0.10	0.24	36.61	36.95	56.00	19.05	AVERAGE
3	0.216	0.10	0.27	50.30	50.67	62.96	12.30	QP
4	0.216	0.10	0.27	40.54	40.91	52.96	12.06	AVERAGE
5	0.322	0.10	0.30	41.40	41.80	59.67	17.86	QP
6	0.322	0.10	0.30	30.83	31.23	49.67	18.43	AVERAGE
7	0.456	0.10	0.33	38.01	38.44	56.76	18.32	QP
8	0.456	0.10	0.33	28.74	29.17	46.76	17.59	AVERAGE
9	1.100	0.10	0.40	34.07	34.57	56.00	21.43	QP
10	1.100	0.10	0.40	25.80	26.30	46.00	19.70	AVERAGE
11	13.620	0.56	0.70	32.74	34.00	60.00	26.00	QP
12	13.620	0.56	0.70	27.63	28.89	50.00	21.11	AVERAGE

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.

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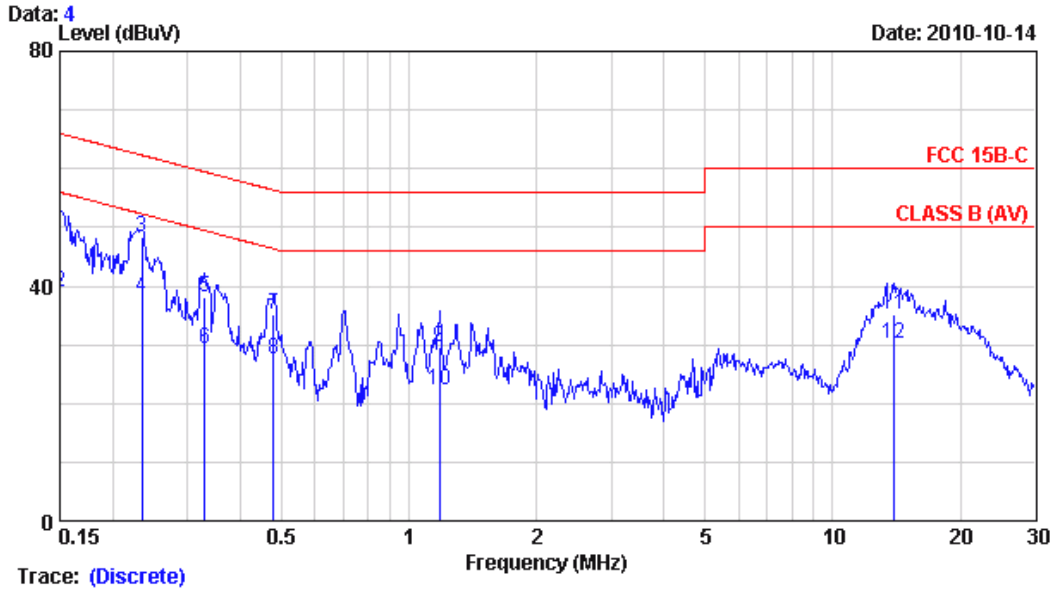


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Site          : No.2 Shielded room          Data     : 4
Condition     : ESH3-Z5                     Phase    : LINE
Limit         : FCC 15B-C
Env. / Ins.   : 27*C,73% / ESCS 30 (339)    Engineer: Charles_Yuan
EUT           : WN8522D1
Power Rating  : 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	0.10	0.24	50.49	50.83	66.00	15.17	QP
2	0.150	0.10	0.24	38.68	39.02	56.00	16.98	AVERAGE
3	0.234	0.10	0.27	47.93	48.30	62.31	14.00	QP
4	0.234	0.10	0.27	37.74	38.11	52.31	14.19	AVERAGE
5	0.330	0.10	0.30	37.80	38.20	59.44	21.24	QP
6	0.330	0.10	0.30	28.94	29.34	49.44	20.10	AVERAGE
7	0.479	0.10	0.34	34.83	35.27	56.36	21.10	QP
8	0.479	0.10	0.34	27.22	27.66	46.36	18.71	AVERAGE
9	1.180	0.12	0.40	29.02	29.54	56.00	26.46	QP
10	1.180	0.12	0.40	21.72	22.24	46.00	23.76	AVERAGE
11	13.910	0.66	0.70	33.88	35.24	60.00	24.76	QP
12	13.910	0.66	0.70	28.69	30.05	50.00	19.95	AVERAGE

```
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)

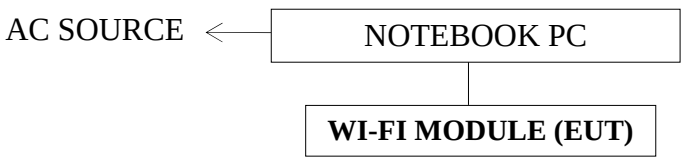
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8564EC	3946A00249	Oct. 27, 09’	Oct. 26, 10’
2.	Test Receiver	R & S	ESCS30	100338	Jul. 08, 10’	Jul. 07, 11’
3.	Amplifier	HP	8447D	2944A06305	Feb. 03, 10’	Feb. 02, 11’
4.	Log Periodic Antenna	Schwarzbeck	UHALP 9108-A	0810	Mar. 13, 10’	Mar. 12, 11’
5.	Biconical Antenna	CHASE	VBA6106A	1264	Mar. 13, 10’	Mar. 12, 11’

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

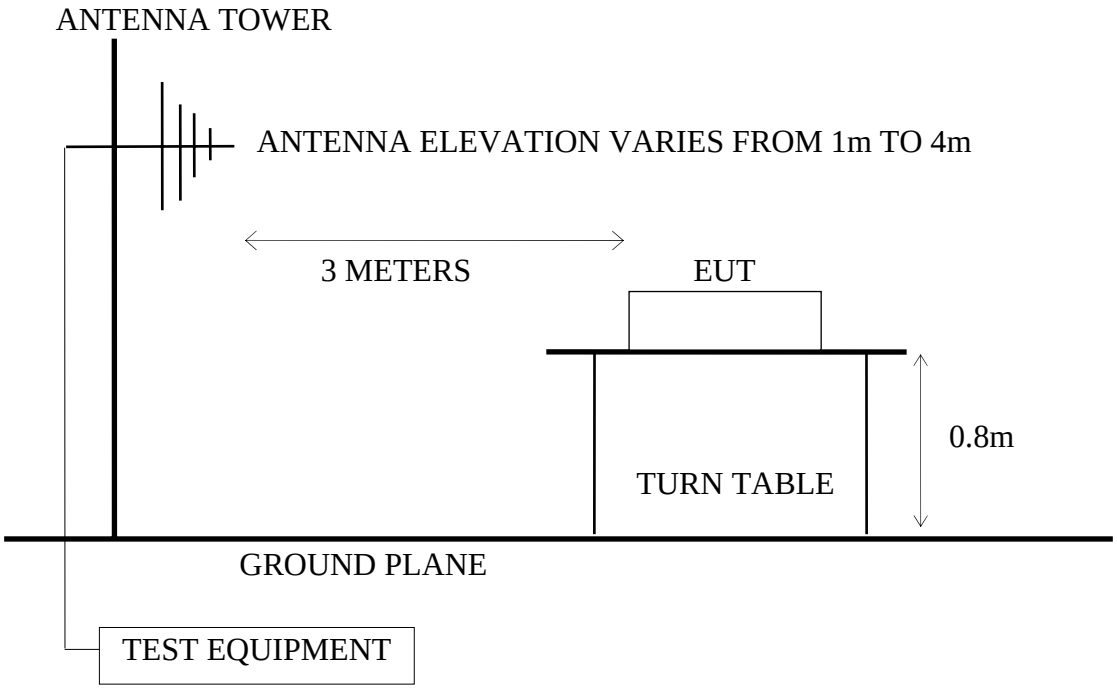
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8564EC	3946A00249	Oct. 27, 09’	Oct. 26, 10’
2.	Test Receiver	R & S	ESCS30	100338	Jul. 08, 10’	Jul. 07, 11’
3.	Amplifier	HP	8449B	3008A00529	Dec. 15, 09’	Dec. 14, 10’
4.	2.4GHz Notch Filter	EWT	EWT-14-0 070-R1	G2	Dec. 05, 09’	Dec. 04, 10’
5.	3.5G High Pass Filter	HP	84300-800 38	005	Jan. 06, 10’	Jan. 05, 11’
6.	Horn Antenna	EMCO	3115	9112-3775	May 10, 10’	May 09, 11’
7.	Horn Antenna	EMCO	3116	2653	Oct. 04, 10’	Oct. 03, 11’

3.2. Test Setup

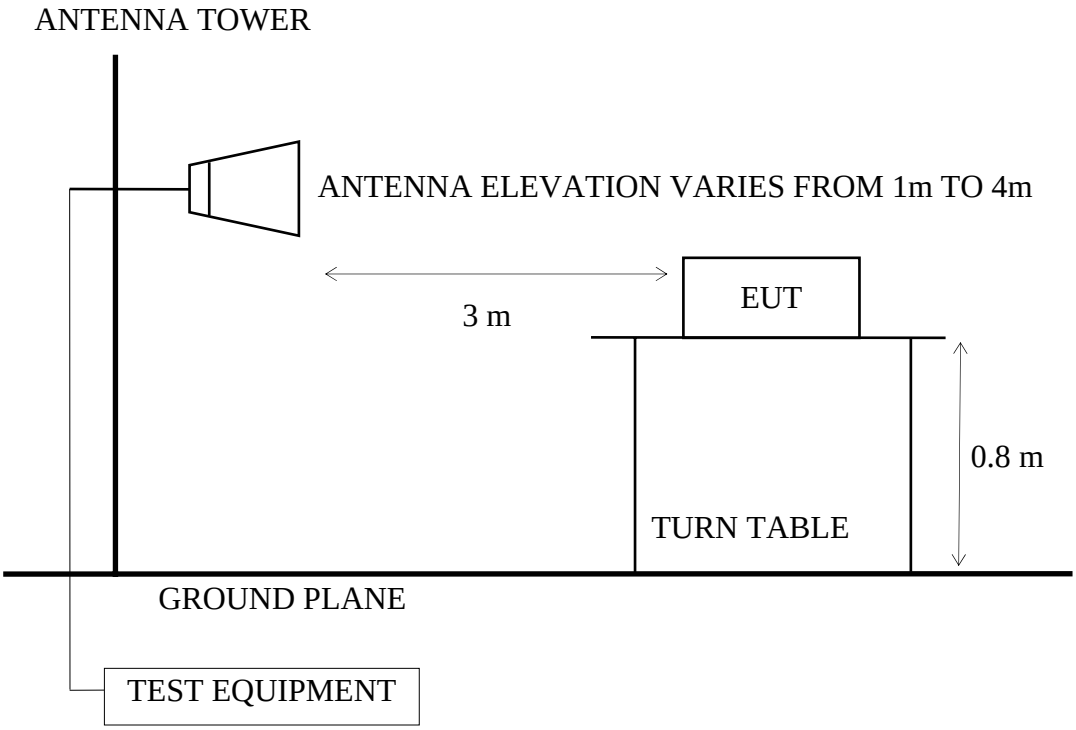
3.2.1. Block Diagram of connection between EUT and simulators



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 (Wi-Fi module) via Notebook PC and simulator as shown on 3.2.

3.4.2. To turn on the power of all equipments.

3.4.3. The EUT was set the Notebook PC using test program “Broadcom WL Command”.

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.

802.11a/n-HT20

3.4.6. Transmit Mode: The EUT was set to continuously transmit signals at 5745Hz、5785MHz and 5825MHz during testing.

3.4.7. Receive Mode: The EUT was set to continuously receive signals at 5785MHz during testing.

802.11n-HT40

3.4.8. Transmit Mode: The EUT was set to continuously transmit signals at 2422Hz、2437MHz、2452MHz、5755MHz and 5795MHz during testing.

3.4.9. Receive Mode: The EUT was set to continuously receive signals at 2437MHz and 5795MHz 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 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 FCC ANSI C63.4-2003 regulation.

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 Quasi-Peak detector.

Above 1GHz was measured with peak and average detector. For frequency from 6GHz 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：Wi-Fi module M/N：WN8522D1

Test Date：Oct. 08, 2010 Temperature：25℃ Humidity：56%

The radiation tests on three different axes (stand, lie and side), we assessed the value and we selected the worst radiation position "lie" for our measured results.

For Frequency Range 30MHz~1000MHz:

The EUT select **worst position "lie"** and with following test modes were performed during this section testing and all the test results are listed in section 3.6.1.

Mode	Type of Network	Channel	Frequency	Test Mode	Reference Test Data	
					Horizontal	Vertical
1.	802.11b	CH 1	2412MHz	Transmit	# 2	# 1
2.		CH 6	2437MHz		# 1	# 2
3.		CH 11	2462MHz		# 2	# 1
4.		CH 6	2437MHz	Receive	# 1	# 2
5.	802.11g	CH 1	2412MHz	Transmit	# 2	# 1
6.		CH 6	2437MHz		# 1	# 2
7.		CH 11	2462MHz		# 2	# 1
8.		CH 6	2437MHz	Receive	# 1	# 2
9.	802.11a	CH 149	5745MHz	Transmit	# 2	# 1
10.		CH 157	5785MHz		# 1	# 2
11.		CH 165	5825MHz		# 2	# 1
12.		CH 157	5785MHz	Receive	# 1	# 2
13.	802.11n-HT20	CH 1	2412MHz	Transmit	# 1	# 2
14.		CH 6	2437MHz		# 2	# 1
15.		CH 11	2462MHz		# 1	# 2
16.		CH 6	2437MHz	Receive	# 1	# 2
17.	802.11n-HT20	CH 149	5745MHz	Transmit	# 2	# 1
18.		CH 157	5785MHz		# 1	# 2
19.		CH 165	5825MHz		# 2	# 1
20.		CH 157	5785MHz	Receive	# 2	# 1
21.	802.11n-HT40	CH 3	2422MHz	Transmit	# 1	# 2
22.		CH 6	2437MHz		# 2	# 1
23.		CH 9	2452MHz		# 2	# 1
24.		CH 6	2437MHz	Receive	# 1	# 2
25.	802.11n-HT40	CH 151	5755MHz	Transmit	# 2	# 1
26.		CH 159	5795MHz		# 1	# 2
27.		CH 159	5795MHz	Receive	# 2	# 1

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

For Frequency above 1GHz:

The EUT select **worst position "lie"** and with following test modes was performed during this section testing and all the test results are listed in section 3.6.2.

Mode	Type of Network	Channel	Frequency	Test Mode	Reference Test Data		
					Horizontal		Vertical
1.	802.11b	CH 1	2412MHz	Transmit	Peak	# 3	# 4
					Average	# 11	# 12
2.		CH 6	2437MHz		Peak	# 7	# 8
					Average	# 11	# 12
					Peak	# 3	# 4
3.		CH 11	2462MHz		Average	# 11	# 12
4.		CH 6	2437MHz	Receive	Peak	None(Note)	None(Note)
5.	802.11g	CH 1	2412MHz	Transmit	Peak	# 8	# 7
					Average	# 12	# 11
6.		CH 6	2437MHz		Peak	# 8	# 7
					Average	# 12	# 11
7.		CH 11	2462MHz		Peak	# 3	# 4
					Average	# 11	# 12
8.		CH 6	2437MHz	Receive	Peak	None(Note)	None(Note)
9.	802.11a	CH 149	5745MHz	Transmit	Peak	# 5	# 6
					Average	# 11	# 12
10.		CH 157	5785MHz		Peak	# 5	# 6
					Average	# 11	# 12
11.		CH 165	5825MHz		Peak	# 5	# 6
					Average	# 11	# 12
12.		CH 157	5785MHz	Receive	Peak	None(Note)	None(Note)
13.	802.11n-HT20	CH 1	2412MHz	Transmit	Peak	# 4	# 3
					Average	# 12	# 11
14.		CH 6	2437MHz		Peak	# 4	# 3
					Average	# 12	# 11
15.		CH 11	2462MHz		Peak	# 3	# 4
					Average	# 11	# 12
16.		CH 6	2437MHz	Receive	Peak	None(Note)	None(Note)

Mode	Type of Network	Channel	Frequency	Test Mode	Reference Test Data		
					Horizontal		Vertical
17.	802.11n-HT20	CH 149	5745MHz	Transmit	Peak	# 5	# 6
					Average	# 11	# 12
18.		CH 157	5785MHz		Peak	# 5	# 6
					Average	# 11	# 12
19.		CH 165	5825MHz		Peak	# 5	# 6
					Average	# 11	# 12
20.		CH 157	5785MHz	Receive	Peak	None(Note)	None(Note)
21.	802.11n-HT40	CH 3	2422MHz	Transmit	Peak	# 4	# 3
					Average	# 12	# 11
22.		CH 6	2437MHz		Peak	# 3	# 4
					Average	# 11	# 12
23.		CH 9	2452MHz		Peak	# 4	# 3
					Average	# 12	# 11
24.		CH 6	2437MHz	Receive	Peak	None(Note)	None(Note)
25.	802.11n-HT40	CH 151	5755MHz	Transmit	Peak	# 5	# 6
					Average	# 11	# 12
26.		CH 159	5795MHz		Peak	# 5	# 6
					Average	# 11	# 12
27.		CH 159	5795MHz	Receive	Peak	None(Note)	None(Note)

* Above all final readings were measured with Peak detector and Average detector.
Note: The emissions (up to 25GHz) not reported are too low to be measured.

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 6	2412MHz	Transmit	# 1, # 4	# 2, # 3
2.		CH 11	2462MHz		# 5, # 8	# 6, # 7
3.	802.11g	CH 6	2412MHz	Transmit	# 1, # 4	# 2, # 3
4.		CH 11	2462MHz		# 8, # 5	# 7, # 6
5.	802.11n-HT20	CH 6	2412MHz	Transmit	# 7, # 6	# 8, # 5
6.		CH 11	2462MHz		# 2, # 3	# 1, # 4
7.	802.11n-HT40	CH 3	2422MHz	Transmit	# 1, # 4	# 2, # 3
8.		CH 9	2452MHz		# 8, # 5	# 7, # 6

3.6.1. For 30-1000MHz Frequency Range Measurement Results

802.11b, Transmit, Frequency: 2412MHz

Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.58	28.68	43.50	14.82	
2	295.780	26.48	4.00	1.12	31.59	46.00	14.41	
3	425.760	17.19	5.10	2.77	25.06	46.00	20.94	
4	709.000	23.54	6.60	-0.27	29.88	46.00	16.12	
5	791.450	23.94	6.90	0.64	31.48	46.00	14.52	
6	961.200	26.50	7.60	0.29	34.39	54.00	19.61	

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 VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	4.02	29.12	43.50	14.38	
2	249.220	23.74	3.50	1.55	28.78	46.00	17.22	
3	388.900	17.47	4.80	1.03	23.30	46.00	22.70	
4	493.660	18.67	6.40	1.19	26.26	46.00	19.74	
5	676.020	22.89	6.40	0.77	30.05	46.00	15.95	
6	961.200	26.50	7.60	-0.15	33.95	54.00	20.05	

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

802.11b, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	2.51	27.61	43.50	15.89	
2	296.750	26.59	4.00	-0.42	30.17	46.00	15.83	
3	446.130	17.59	5.40	1.68	24.67	46.00	21.33	
4	571.260	21.14	6.50	0.31	27.95	46.00	18.05	
5	767.200	23.86	6.80	0.51	31.17	46.00	14.83	
6	967.990	26.90	7.69	0.17	34.76	54.00	19.24	

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.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.65	28.75	43.50	14.75	
2	291.900	26.17	3.90	1.28	31.35	46.00	14.65	
3	506.270	18.99	6.72	0.92	26.63	46.00	19.37	
4	581.930	20.91	6.30	1.24	28.45	46.00	17.55	
5	861.290	26.09	7.20	-0.25	33.04	46.00	12.96	
6	966.050	26.89	7.70	-0.83	33.76	54.00	20.24	

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.   : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	4.02	29.12	43.50	14.38	
2	296.750	26.59	4.00	0.15	30.74	46.00	15.26	
3	438.370	17.53	5.30	2.19	25.03	46.00	20.97	
4	663.410	22.52	6.32	0.37	29.20	46.00	16.80	
5	852.560	25.70	7.10	0.09	32.90	46.00	13.10	
6	959.260	26.38	7.60	-0.18	33.81	46.00	12.19	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.86	28.96	43.50	14.54	
2	279.290	25.24	3.80	-0.24	28.81	46.00	17.19	
3	299.660	26.77	3.90	-0.13	30.54	46.00	15.46	
4	515.000	19.97	6.80	0.03	26.80	46.00	19.20	
5	571.260	21.14	6.50	-0.01	27.63	46.00	18.37	
6	969.930	26.83	7.69	1.33	35.86	54.00	18.14	

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.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.70	28.80	43.50	14.70	
2	295.780	26.48	4.00	0.50	30.97	46.00	15.03	
3	502.390	19.00	6.60	0.28	25.87	46.00	20.13	
4	581.930	20.91	6.30	-0.23	26.98	46.00	19.02	
5	802.120	24.17	6.90	1.55	32.62	46.00	13.38	
6	966.050	26.89	7.70	0.04	34.63	54.00	19.37	

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.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.65	28.75	43.50	14.75	
2	295.780	26.48	4.00	-0.41	30.06	46.00	15.94	
3	511.120	19.69	6.80	0.85	27.34	46.00	18.66	
4	581.930	20.91	6.30	0.89	28.10	46.00	17.90	
5	859.350	26.01	7.20	-0.63	32.57	46.00	13.43	
6	964.110	26.80	7.60	-0.16	34.24	54.00	19.76	

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.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.91	29.01	43.50	14.49	
2	296.750	26.59	4.00	-0.21	30.38	46.00	15.62	
3	523.730	19.76	6.90	0.47	27.13	46.00	18.87	
4	581.930	20.91	6.30	2.53	29.74	46.00	16.26	
5	861.290	26.09	7.20	-0.58	32.71	46.00	13.29	
6	964.110	26.80	7.60	-0.56	33.84	54.00	20.16	

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.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.84	28.94	43.50	14.56	
2	298.690	26.72	3.90	-0.70	29.92	46.00	16.08	
3	530.520	19.70	6.90	1.08	27.68	46.00	18.32	
4	581.930	20.91	6.30	1.03	28.24	46.00	17.76	
5	858.380	25.98	7.20	-0.31	32.87	46.00	13.13	
6	959.260	26.38	7.60	0.58	34.57	46.00	11.43	

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. : 1
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2437(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.95	29.05	43.50	14.45	
2	293.840	26.33	3.96	-0.38	29.91	46.00	16.09	
3	581.930	20.91	6.30	0.94	28.15	46.00	17.85	
4	774.960	24.26	6.80	-0.22	30.84	46.00	15.16	
5	861.290	26.09	7.20	-0.56	32.73	46.00	13.27	
6	966.050	26.89	7.70	-0.42	34.17	54.00	19.83	

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 VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2437(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.16	28.26	43.50	15.24	
2	295.780	26.48	4.00	0.16	30.63	46.00	15.37	
3	408.300	17.28	4.90	1.65	23.83	46.00	22.17	
4	511.120	19.69	6.80	0.24	26.73	46.00	19.27	
5	581.930	20.91	6.30	0.77	27.98	46.00	18.02	
6	961.200	26.50	7.60	-0.29	33.81	54.00	20.19	

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.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	2.95	28.05	43.50	15.45	
2	282.200	25.39	3.80	0.14	29.33	46.00	16.67	
3	296.750	26.59	4.00	-0.06	30.53	46.00	15.47	
4	532.460	19.64	7.00	0.42	27.06	46.00	18.94	
5	858.380	25.98	7.20	-0.03	33.15	46.00	12.85	
6	966.050	26.89	7.70	0.09	34.68	54.00	19.32	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.30	28.40	43.50	15.10	
2	288.990	25.97	3.80	0.42	30.19	46.00	15.81	
3	298.690	26.72	3.90	0.38	31.00	46.00	15.00	
4	532.460	19.64	7.00	0.21	26.85	46.00	19.15	
5	691.540	23.22	6.50	-0.46	29.25	46.00	16.75	
6	863.230	26.09	7.20	-0.80	32.49	46.00	13.51	
7	957.320	26.33	7.60	0.24	34.17	46.00	11.83	

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.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX2437(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.02	28.12	43.50	15.38	
2	569.320	21.17	6.50	-0.42	27.26	46.00	18.74	
3	707.060	23.55	6.60	-0.89	29.26	46.00	16.74	
4	773.990	24.21	6.80	-0.13	30.87	46.00	15.13	
5	866.140	25.97	7.20	0.04	33.21	46.00	12.79	
6	967.990	26.90	7.69	0.20	34.79	54.00	19.21	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX2437(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.28	28.38	43.50	15.12	
2	285.110	25.54	3.80	0.78	30.12	46.00	15.88	
3	519.850	19.99	6.90	-0.16	26.73	46.00	19.27	
4	574.170	21.10	6.44	-0.12	27.42	46.00	18.58	
5	750.710	23.35	6.70	0.24	30.29	46.00	15.71	
6	967.990	26.90	7.69	-0.77	33.82	54.00	20.18	

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

802.11a, Transmit, Frequency: 5745MHz

```
Site no.      : A/C Chamber                  Data no.   : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	2.91	28.01	43.50	15.49	
2	240.490	23.10	3.40	1.17	27.68	46.00	18.32	
3	581.930	20.91	6.30	1.38	28.59	46.00	17.41	
4	704.150	23.56	6.60	-0.76	29.40	46.00	16.60	
5	886.510	25.19	7.30	-0.14	32.35	46.00	13.65	
6	963.140	26.63	7.60	-0.13	34.10	54.00	19.90	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.93	29.03	43.50	14.47	
2	498.510	18.79	6.50	1.83	27.12	46.00	18.88	
3	569.320	21.17	6.50	-0.10	27.58	46.00	18.42	
4	581.930	20.91	6.30	0.80	28.01	46.00	17.99	
5	765.260	23.82	6.80	-0.39	30.23	46.00	15.77	
6	946.650	25.76	7.50	1.28	34.54	46.00	11.46	

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

802.11a, Transmit, Frequency: 5785MHz

```
Site no.      : A/C Chamber                  Data no.   : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	200.720	22.08	3.00	3.36	28.44	43.50	15.06	
2	299.660	26.77	3.90	-0.82	29.85	46.00	16.15	
3	403.450	17.54	4.90	0.98	23.42	46.00	22.58	
4	530.520	19.70	6.90	1.08	27.68	46.00	18.32	
5	667.290	22.80	6.40	0.45	29.65	46.00	16.35	
6	967.990	26.90	7.69	-0.68	33.91	54.00	20.09	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	200.720	22.08	3.00	3.08	28.16	43.50	15.34	
2	417.030	16.95	5.08	1.53	23.55	46.00	22.45	
3	581.930	20.91	6.30	0.26	27.47	46.00	18.53	
4	719.670	22.30	6.60	0.54	29.44	46.00	16.56	
5	854.500	25.81	7.10	-0.16	32.75	46.00	13.25	
6	967.990	26.90	7.69	-0.55	34.04	54.00	19.96	

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

802.11a, Transmit, Frequency: 5825MHz

```
Site no.      : A/C Chamber                  Data no.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.35	28.45	43.50	15.05	
2	292.870	26.24	3.90	0.55	30.69	46.00	15.31	
3	523.730	19.76	6.90	0.98	27.64	46.00	18.36	
4	581.930	20.91	6.30	0.89	28.10	46.00	17.90	
5	697.360	23.32	6.50	-0.31	29.51	46.00	16.49	
6	973.810	26.64	7.70	-0.85	33.50	54.00	20.50	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	4.15	29.25	43.50	14.25	
2	292.870	26.24	3.90	0.16	30.30	46.00	15.70	
3	530.520	19.70	6.90	0.17	26.77	46.00	19.23	
4	581.930	20.91	6.30	0.40	27.61	46.00	18.39	
5	883.600	25.27	7.30	0.03	32.60	46.00	13.40	
6	966.050	26.89	7.70	-0.67	33.92	54.00	20.08	

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

802.11a, Receive, Frequency: 5785MHz

```
Site no.      : A/C Chamber                  Data no.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.44	28.54	43.50	14.96	
2	285.110	25.54	3.80	1.23	30.57	46.00	15.43	
3	297.720	26.68	3.98	0.22	30.88	46.00	15.12	
4	581.930	20.91	6.30	1.38	28.59	46.00	17.41	
5	700.270	23.46	6.50	-0.36	29.60	46.00	16.40	
6	971.870	26.79	7.70	-0.63	33.86	54.00	20.14	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	201.690	22.07	3.03	3.14	28.24	43.50	15.26	
2	211.390	21.75	3.20	0.88	25.83	43.50	17.67	
3	386.960	17.43	4.70	0.15	22.27	46.00	23.73	
4	518.880	20.01	6.90	-1.00	25.91	46.00	20.09	
5	793.390	23.98	6.90	-0.38	30.50	46.00	15.50	
6	957.320	26.33	7.60	-0.09	33.84	46.00	12.16	

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.   : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(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	201.690	22.07	3.03	3.25	28.35	43.50	15.15	
2	250.190	23.83	3.50	0.76	28.08	46.00	17.92	
3	434.490	17.36	5.24	1.78	24.38	46.00	21.62	
4	581.930	20.91	6.30	0.49	27.70	46.00	18.30	
5	865.170	26.00	7.20	-0.40	32.80	46.00	13.20	
6	961.200	26.50	7.60	0.55	34.65	54.00	19.35	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(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	201.690	22.07	3.03	3.65	28.75	43.50	14.75	
2	259.890	24.55	3.53	0.96	29.04	46.00	16.96	
3	296.750	26.59	4.00	0.86	31.45	46.00	14.55	
4	710.940	23.54	6.51	0.48	30.52	46.00	15.48	
5	861.290	26.09	7.20	-0.51	32.78	46.00	13.22	
6	964.110	26.80	7.60	-0.73	33.67	54.00	20.33	

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

802.11n-HT20, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                  Data no.   : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	201.690	22.07	3.03	3.39	28.49	43.50	15.01	
2	283.170	25.45	3.80	-0.15	29.10	46.00	16.90	
3	513.060	19.95	6.80	-0.64	26.11	46.00	19.89	
4	581.930	20.91	6.30	0.75	27.96	46.00	18.04	
5	702.210	23.53	6.50	0.06	30.09	46.00	15.91	
6	961.200	26.50	7.60	0.82	34.92	54.00	19.08	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	201.690	22.07	3.03	2.98	28.08	43.50	15.42	
2	296.750	26.59	4.00	0.15	30.74	46.00	15.26	
3	406.360	17.35	4.90	0.78	23.03	46.00	22.97	
4	581.930	20.91	6.30	0.73	27.94	46.00	18.06	
5	710.940	23.54	6.51	-0.72	29.32	46.00	16.68	
6	863.230	26.09	7.20	0.08	33.37	46.00	12.63	
7	971.870	26.79	7.70	-1.03	33.46	54.00	20.54	

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.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(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	201.690	22.07	3.03	2.70	27.80	43.50	15.70	
2	297.720	26.68	3.98	-0.04	30.62	46.00	15.38	
3	511.120	19.69	6.80	0.30	26.79	46.00	19.21	
4	593.570	20.95	6.20	0.30	27.45	46.00	18.55	
5	803.090	24.20	6.90	-0.29	30.81	46.00	15.19	
6	966.050	26.89	7.70	-0.17	34.42	54.00	19.58	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(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	201.690	22.07	3.03	4.00	29.10	43.50	14.40	
2	446.130	17.59	5.40	1.02	24.01	46.00	21.99	
3	691.540	23.22	6.50	-0.24	29.47	46.00	16.53	
4	858.380	25.98	7.20	-0.40	32.78	46.00	13.22	
5	946.650	25.76	7.50	0.27	33.53	46.00	12.47	
6	964.110	26.80	7.60	-0.40	34.00	54.00	20.00	

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. : 1
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : RX2437(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	201.690	22.07	3.03	3.56	28.66	43.50	14.84	
2	296.750	26.59	4.00	-0.31	30.28	46.00	15.72	
3	581.930	20.91	6.30	0.54	27.75	46.00	18.25	
4	676.020	22.89	6.40	-0.36	28.92	46.00	17.08	
5	855.470	25.87	7.10	-0.09	32.88	46.00	13.12	
6	964.110	26.80	7.60	0.19	34.59	54.00	19.41	

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 VBA6106A/UHALP9108A Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : RX2437(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	201.690	22.07	3.03	3.53	28.63	43.50	14.87	
2	291.900	26.17	3.90	0.49	30.56	46.00	15.44	
3	513.060	19.95	6.80	-0.22	26.53	46.00	19.47	
4	686.690	23.18	6.50	-0.21	29.47	46.00	16.53	
5	863.230	26.09	7.20	-1.12	32.17	46.00	13.83	
6	966.050	26.89	7.70	-0.64	33.95	54.00	20.05	

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

802.11n-HT20, Transmit, Frequency: 5745MHz

```
Site no.      : A/C Chamber                  Data no.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(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	201.690	22.07	3.03	3.56	28.66	43.50	14.84	
2	299.660	26.77	3.90	-0.82	29.85	46.00	16.15	
3	399.570	17.69	4.80	1.10	23.58	46.00	22.42	
4	526.640	19.67	6.90	0.91	27.48	46.00	18.52	
5	581.930	20.91	6.30	1.10	28.31	46.00	17.69	
6	915.610	24.90	7.40	0.09	32.39	46.00	13.61	
7	964.110	26.80	7.60	-0.23	34.17	54.00	19.83	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(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	201.690	22.07	3.03	3.21	28.31	43.50	15.19	
2	295.780	26.48	4.00	-0.48	29.99	46.00	16.01	
3	400.540	17.66	4.80	-0.41	22.05	46.00	23.95	
4	567.380	20.97	6.50	0.55	28.03	46.00	17.97	
5	581.930	20.91	6.30	1.10	28.31	46.00	17.69	
6	707.060	23.55	6.60	-0.21	29.94	46.00	16.06	
7	855.470	25.87	7.10	0.41	33.38	46.00	12.62	
8	966.050	26.89	7.70	-0.64	33.95	54.00	20.05	

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

802.11n-HT20, Transmit, Frequency: 5785MHz

```
Site no.      : A/C Chamber                  Data no.   : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(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	200.720	22.08	3.00	3.26	28.34	43.50	15.16	
2	268.620	24.86	3.70	0.53	29.09	46.00	16.91	
3	295.780	26.48	4.00	-0.39	30.08	46.00	15.92	
4	385.990	17.41	4.70	0.08	22.19	46.00	23.81	
5	715.790	22.74	6.55	0.13	29.43	46.00	16.57	
6	866.140	25.97	7.20	-0.16	33.01	46.00	12.99	
7	964.110	26.80	7.60	-0.09	34.31	54.00	19.69	

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.   : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(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	201.690	22.07	3.03	3.72	28.82	43.50	14.68	
2	297.720	26.68	3.98	-0.49	30.17	46.00	15.83	
3	403.450	17.54	4.90	0.17	22.61	46.00	23.39	
4	511.120	19.69	6.80	0.60	27.09	46.00	18.91	
5	773.990	24.21	6.80	-1.30	29.70	46.00	16.30	
6	866.140	25.97	7.20	-0.37	32.80	46.00	13.20	
7	956.350	26.33	7.60	0.23	34.16	46.00	11.84	

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: 5825MHz

```
Site no.      : A/C Chamber                  Data no.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(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	201.690	22.07	3.03	3.02	28.12	43.50	15.38	
2	288.020	25.85	3.80	0.04	29.69	46.00	16.31	
3	299.660	26.77	3.90	-0.91	29.76	46.00	16.24	
4	519.850	19.99	6.90	0.58	27.47	46.00	18.53	
5	702.210	23.53	6.50	-0.06	29.97	46.00	16.03	
6	863.230	26.09	7.20	0.82	34.11	46.00	11.89	
7	963.140	26.63	7.60	-0.52	33.71	54.00	20.29	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(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	201.690	22.07	3.03	4.41	29.51	43.50	13.99	
2	269.590	24.92	3.70	0.06	28.68	46.00	17.32	
3	296.750	26.59	4.00	-0.47	30.12	46.00	15.88	
4	511.120	19.69	6.80	-0.11	26.38	46.00	19.62	
5	679.900	22.97	6.40	-0.20	29.16	46.00	16.84	
6	865.170	26.00	7.20	-0.63	32.57	46.00	13.43	
7	971.870	26.79	7.70	-1.17	33.32	54.00	20.68	

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, Receive, Frequency: 5785MHz

```
Site no.      : A/C Chamber                  Data no.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX5785(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	201.690	22.07	3.03	2.98	28.08	43.50	15.42	
2	399.570	17.69	4.80	0.26	22.74	46.00	23.26	
3	581.930	20.91	6.30	0.87	28.08	46.00	17.92	
4	750.710	23.35	6.70	0.10	30.15	46.00	15.85	
5	908.820	25.01	7.40	0.53	32.94	46.00	13.06	
6	963.140	26.63	7.60	0.50	34.73	54.00	19.27	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX5785(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	201.690	22.07	3.03	4.08	29.18	43.50	14.32	
2	299.660	26.77	3.90	-0.21	30.46	46.00	15.54	
3	329.730	15.36	4.14	1.84	21.34	46.00	24.66	
4	365.620	16.65	4.50	2.04	23.19	46.00	22.81	
5	581.930	20.91	6.30	0.73	27.94	46.00	18.06	
6	855.470	25.87	7.10	-0.21	32.76	46.00	13.24	
7	966.050	26.89	7.70	-0.95	33.64	54.00	20.36	

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.   : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2422(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	200.720	22.08	3.00	2.68	27.76	43.50	15.74	
2	280.260	25.30	3.80	0.75	29.84	46.00	16.16	
3	298.690	26.72	3.90	0.33	30.95	46.00	15.05	
4	513.060	19.95	6.80	0.49	27.24	46.00	18.76	
5	571.260	21.14	6.50	-0.22	27.42	46.00	18.58	
6	966.050	26.89	7.70	0.16	34.75	54.00	19.25	

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.   : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2422(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	201.690	22.07	3.03	3.16	28.26	43.50	15.24	
2	299.660	26.77	3.90	-0.42	30.25	46.00	15.75	
3	511.120	19.69	6.80	0.41	26.90	46.00	19.10	
4	774.960	24.26	6.80	0.17	31.23	46.00	14.77	
5	868.080	25.89	7.20	-0.70	32.39	46.00	13.61	
6	967.990	26.90	7.69	-0.41	34.18	54.00	19.82	

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.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A    Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	200.720	22.08	3.00	3.36	28.44	43.50	15.06	
2	297.720	26.68	3.98	-0.04	30.62	46.00	15.38	
3	521.790	19.91	6.90	1.66	28.48	46.00	17.52	
4	581.930	20.91	6.30	1.40	28.61	46.00	17.39	
5	859.350	26.01	7.20	-0.11	33.09	46.00	12.91	
6	957.320	26.33	7.60	-0.04	33.89	46.00	12.11	

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   VBA6106A/UHALP9108A    Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	201.690	22.07	3.03	3.44	28.54	43.50	14.96	
2	288.990	25.97	3.80	-0.50	29.27	46.00	16.73	
3	483.960	18.84	6.14	0.52	25.50	46.00	20.50	
4	667.290	22.80	6.40	-0.40	28.80	46.00	17.20	
5	854.500	25.81	7.10	-0.37	32.54	46.00	13.46	
6	966.050	26.89	7.70	-0.33	34.26	54.00	19.74	

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.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2452(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	200.720	22.08	3.00	3.64	28.72	43.50	14.78	
2	297.720	26.68	3.98	-0.95	29.71	46.00	16.29	
3	385.990	17.41	4.70	1.11	23.22	46.00	22.78	
4	515.000	19.97	6.80	1.26	28.03	46.00	17.97	
5	581.930	20.91	6.30	1.17	28.38	46.00	17.62	
6	964.110	26.80	7.60	-0.21	34.19	54.00	19.81	

```
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   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2452(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	200.720	22.08	3.00	3.64	28.72	43.50	14.78	
2	297.720	26.68	3.98	-0.95	29.71	46.00	16.29	
3	393.750	17.56	4.70	0.50	22.76	46.00	23.24	
4	581.930	20.91	6.30	1.01	28.22	46.00	17.78	
5	697.360	23.32	6.50	0.84	30.66	46.00	15.34	
6	870.020	25.71	7.20	0.30	33.21	46.00	12.79	

```
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.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX2437(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	201.690	22.07	3.03	2.81	27.91	43.50	15.59	
2	295.780	26.48	4.00	-0.20	30.28	46.00	15.72	
3	490.750	18.58	6.30	1.64	26.52	46.00	19.48	
4	581.930	20.91	6.30	0.01	27.22	46.00	18.78	
5	704.150	23.56	6.60	-0.50	29.66	46.00	16.34	
6	870.020	25.71	7.20	-0.11	32.80	46.00	13.20	
7	969.930	26.83	7.69	-0.50	34.03	54.00	19.97	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX2437(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	201.690	22.07	3.03	3.63	28.73	43.50	14.77	
2	293.840	26.33	3.96	-0.47	29.82	46.00	16.18	
3	521.790	19.91	6.90	0.06	26.88	46.00	19.12	
4	705.120	23.56	6.60	-0.71	29.45	46.00	16.55	
5	868.080	25.89	7.20	-0.49	32.60	46.00	13.40	
6	974.780	26.52	7.70	-0.77	33.45	54.00	20.55	

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: 5755MHz

```
Site no.      : A/C Chamber                 Data no.  : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A    Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	201.690	22.07	3.03	3.37	28.47	43.50	15.03	
2	297.720	26.68	3.98	-0.40	30.26	46.00	15.74	
3	547.980	19.05	6.89	1.13	27.07	46.00	18.93	
4	581.930	20.91	6.30	1.87	29.08	46.00	16.92	
5	705.120	23.56	6.60	0.14	30.30	46.00	15.70	
6	966.050	26.89	7.70	-1.13	33.46	54.00	20.54	

```
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   VBA6106A/UHALP9108A    Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	200.720	22.08	3.00	3.36	28.44	43.50	15.06	
2	297.720	26.68	3.98	-0.13	30.53	46.00	15.47	
3	581.930	20.91	6.30	2.11	29.32	46.00	16.68	
4	689.600	23.25	6.50	-0.78	28.97	46.00	17.03	
5	875.840	25.35	7.30	-0.41	32.23	46.00	13.77	
6	966.050	26.89	7.70	-0.85	33.74	54.00	20.26	

```
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: 5795MHz

```
Site no.      : A/C Chamber                  Data no.  : 1
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5795(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	200.720	22.08	3.00	3.54	28.62	43.50	14.88	
2	451.950	17.65	5.40	1.64	24.69	46.00	21.31	
3	567.380	20.97	6.50	0.37	27.85	46.00	18.15	
4	698.330	23.36	6.50	-0.04	29.82	46.00	16.18	
5	850.620	25.63	7.10	0.15	32.88	46.00	13.12	
6	963.140	26.63	7.60	-0.10	34.13	54.00	19.87	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5795(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	200.720	22.08	3.00	3.61	28.69	43.50	14.81	
2	280.260	25.30	3.80	0.41	29.50	46.00	16.50	
3	397.630	17.64	4.80	0.35	22.79	46.00	23.21	
4	511.120	19.69	6.80	-0.01	26.48	46.00	19.52	
5	863.230	26.09	7.20	-0.06	33.23	46.00	12.77	
6	971.870	26.79	7.70	-0.11	34.38	54.00	19.62	

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: 5795MHz

```
Site no.      : A/C Chamber                  Data no.   : 2
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A     Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX5795(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	168.710	20.99	2.80	2.08	25.87	43.50	17.63	
2	201.690	22.07	3.03	2.56	27.66	43.50	15.84	
3	534.400	19.57	7.00	1.61	28.18	46.00	17.82	
4	578.050	20.97	6.40	0.09	27.47	46.00	18.53	
5	863.230	26.09	7.20	-0.15	33.14	46.00	12.86	
6	964.110	26.80	7.60	-0.87	33.53	54.00	20.47	

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   VBA6106A/UHALP9108A     Ant. pol. : VERTICAL
Limit         : FCC PART-15C
Env. / Ins.   : 8564EC 25℃/56%                          □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : RX5795(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	201.690	22.07	3.03	3.21	28.31	43.50	15.19	
2	252.130	23.99	3.59	2.44	30.01	46.00	15.99	
3	295.780	26.48	4.00	0.06	30.53	46.00	15.47	
4	515.970	19.98	6.80	0.10	26.88	46.00	19.12	
5	863.230	26.09	7.20	-0.27	33.02	46.00	12.98	
6	969.930	26.83	7.69	0.34	34.87	54.00	19.13	

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.  : 3
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2313.760	28.28	6.24	18.97	53.49	74.00	20.51	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.  : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2342.320	28.36	6.28	16.32	50.96	74.00	23.04	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2313.760	28.28	6.24	10.86	45.39	54.00	8.61	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2342.320	28.36	6.28	7.76	42.40	54.00	11.60	Average

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

802.11b Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                 Data no.  : 7
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2350.720	28.36	6.29	19.63	54.28	74.00	19.72	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.  : 8
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2347.360	28.36	6.29	16.29	50.94	74.00	23.06	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2350.720	28.36	6.29	12.17	46.82	54.00	7.18	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2347.360	28.36	6.29	7.83	42.48	54.00	11.52	Average

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

802.11b, Transmit, Frequency: 2462MHz

```
Site no.      : A/C Chamber                 Data no.  : 3
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2216.320	28.09	6.13	19.70	53.92	74.00	20.08	Peak
2	2350.720	28.36	6.29	18.72	53.37	74.00	20.63	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2350.720	28.36	6.29	15.45	50.10	74.00	23.90	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.   : 11
Dis. / Ant.   : 3m   3115(4927)            Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2216.320	28.09	6.13	11.61	45.83	54.00	8.17	Average
2	2350.720	28.36	6.29	10.64	45.29	54.00	8.71	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.   : 12
Dis. / Ant.   : 3m   3115(4927)            Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11b)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2350.720	28.36	6.29	7.64	42.29	54.00	11.71	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.  : 8
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2342.320	28.36	6.28	18.35	52.99	74.00	21.01	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2333.920	28.32	6.27	15.50	50.09	74.00	23.91	Peak

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	2342.320	28.36	6.28	9.04	43.68	54.00	10.32	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	2333.920	28.32	6.27	7.80	42.39	54.00	11.61	Average

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

802.11g, Transmit, Frequency: 2437MHz

```
Site no.      : A/C Chamber                 Data no.  : 8
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2288.560	28.24	6.21	19.54	54.00	74.00	20.00	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2350.720	28.36	6.29	14.27	48.92	74.00	25.08	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(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2288.560	28.24	6.21	11.46	45.92	54.00	8.08	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2350.720	28.36	6.29	5.74	40.39	54.00	13.61	Average

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

802.11g, Transmit, Frequency: 2462MHz

```
Site no.      : A/C Chamber                 Data no.  : 3
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2333.920	28.32	6.27	19.23	53.82	74.00	20.18	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2355.760	28.40	6.29	14.33	49.02	74.00	24.98	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2333.920	28.32	6.27	10.34	44.93	54.00	9.07	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(802.11g)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2355.760	28.40	6.29	7.26	41.95	54.00	12.05	Average

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

802.11a, Transmit, Frequency: 5745MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	9.55	50.04	74.00	23.96	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	9.85	50.34	74.00	23.66	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	5.61	46.09	54.00	7.91	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	6.77	47.25	54.00	6.75	Average

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

802.11a, Transmit, Frequency: 5785MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	9.39	49.88	74.00	24.12	Peak

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

```
Site no.      : A/C Chamber                 Data no.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	9.11	49.60	74.00	24.40	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	6.20	46.68	54.00	7.32	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	5.76	46.24	54.00	7.76	Average

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

802.11a, Transmit, Frequency: 5825MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	10.57	51.06	74.00	22.94	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	8.54	49.03	74.00	24.97	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	7.80	48.28	54.00	5.72	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(802.11a)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3833.380	32.20	8.29	5.81	46.29	54.00	7.71	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.  : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(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	2313.760	28.28	6.24	18.69	53.21	74.00	20.79	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(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	2364.160	28.40	6.30	16.59	51.29	74.00	22.71	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(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(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	2313.760	28.28	6.24	11.39	45.92	54.00	8.08	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2412(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	2364.160	28.40	6.30	9.16	43.87	54.00	10.14	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.  : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2333.920	28.32	6.27	17.83	52.42	74.00	21.58	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.  : 3
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2342.320	28.36	6.28	17.60	52.24	74.00	21.76	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(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2333.920	28.32	6.27	9.80	44.39	54.00	9.61	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2342.320	28.36	6.28	10.03	44.67	54.00	9.33	Average

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

802.11n-HT20, Transmit, Frequency: 2462MHz

```
Site no.      : A/C Chamber                 Data no.  : 3
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(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	2342.320	28.36	6.28	18.09	52.73	74.00	21.27	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.  : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(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	2359.120	28.40	6.30	16.73	51.43	74.00	22.57	Peak
2	2532.160	28.81	6.52	14.49	49.82	74.00	24.18	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(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	2342.320	28.36	6.28	10.38	45.02	54.00	8.98	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2462(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	2359.120	28.40	6.30	8.49	43.19	54.00	10.81	Average
2	2532.160	28.81	6.52	6.02	41.35	54.00	12.65	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: 5745MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(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	3833.380	32.20	8.29	9.52	50.01	74.00	23.99	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(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	3833.380	32.20	8.29	9.77	50.26	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.

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(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	3833.380	32.20	8.29	6.98	47.46	54.00	6.54	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5745(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	3833.380	32.20	8.29	5.80	46.28	54.00	7.72	Average

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

802.11n-HT20, Transmit, Frequency: 5785MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(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	3861.580	32.24	8.33	10.72	51.29	74.00	22.71	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(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	3861.580	32.24	8.33	9.26	49.83	74.00	24.17	Peak

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

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(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	3861.580	32.24	8.33	6.89	47.46	54.00	6.54	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5785(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	3861.580	32.24	8.33	5.72	46.29	54.00	7.71	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: 5825MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(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	3889.780	32.33	8.35	10.36	51.04	74.00	22.96	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(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	3889.780	32.33	8.35	9.97	50.65	74.00	23.35	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(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	3889.780	32.33	8.35	7.15	47.83	54.00	6.17	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5825(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	3889.780	32.33	8.35	7.66	48.35	54.00	5.65	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.   : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2422(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	2367.520	28.40	6.31	24.31	59.02	74.00	14.98	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(4927)             Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                         □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2422(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	2364.160	28.40	6.30	21.80	56.50	74.00	17.50	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(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2422(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	2367.520	28.40	6.31	15.38	50.09	54.00	3.91	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2422(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	2364.160	28.40	6.30	12.57	47.27	54.00	6.73	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.  : 3
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2367.520	28.40	6.31	22.19	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.  : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2372.560	28.43	6.31	20.83	55.58	74.00	18.42	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.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2367.520	28.40	6.31	14.24	48.95	54.00	5.05	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2437(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	2372.560	28.43	6.31	11.63	46.38	54.00	7.62	Average

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

802.11n-HT40, Transmit, Frequency: 2452MHz

```
Site no.      : A/C Chamber                 Data no.  : 4
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2452(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	2359.120	28.40	6.30	21.69	56.39	74.00	17.61	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2452(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	2359.120	28.40	6.30	24.97	59.67	74.00	14.33	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(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2452(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	2359.120	28.40	6.30	13.88	48.58	54.00	5.42	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(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX2452(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	2359.120	28.40	6.30	15.58	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.

802.11n-HT40, Transmit, Frequency: 5755MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	3841.840	32.20	8.29	10.10	50.59	74.00	23.41	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	3841.840	32.20	8.29	8.60	49.09	74.00	24.91	Peak

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

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	3841.840	32.20	8.29	6.80	47.28	54.00	6.72	Average

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

```
Site no.      : A/C Chamber                 Data no.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	3841.840	32.20	8.29	4.52	45.00	54.00	9.00	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: 5795MHz

```
Site no.      : A/C Chamber                 Data no.  : 5
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5795(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	3870.040	32.29	8.33	9.79	50.41	74.00	23.59	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.  : 6
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5755(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	3841.840	32.20	8.29	8.60	49.09	74.00	24.91	Peak

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

```
Site no.      : A/C Chamber                 Data no.  : 11
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5795(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	3870.040	32.29	8.33	6.63	47.24	54.00	6.76	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.  : 12
Dis. / Ant.   : 3m   3115(4927)             Ant. pol. : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 25℃/56%                        □Jarwei Wang
EUT           : WN8522D1
Power Rating  : DC 5V via notebook
Test Mode     : TX5795(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	3870.040	32.29	8.33	5.68	46.29	54.00	7.71	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：	Oct. 08, 2010	Temperature：	23℃
EUT：	Wi-Fi module	Humidity：	50%
Test Mode：	802.11b, Transmit, Channel: 01, Frequency: 2412MHz		

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2389.920	28.47	6.34	24.07	58.88	74.00	15.12
Average *	2389.920	28.47	6.34	13.86	48.67	54.00	5.33

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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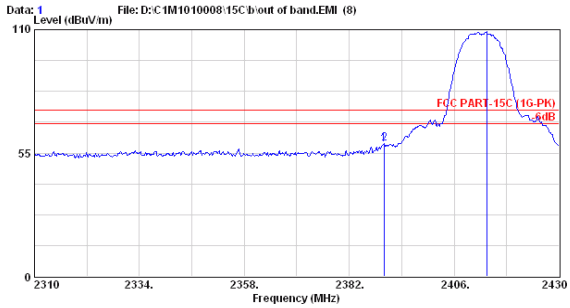

Site no. : A/C Chamber Data no. : 1
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.47	6.34	24.07	58.88	74.00	15.12	Peak
2	2390.040	28.47	6.34	24.29	59.11	74.00	14.89	Peak
3	2413.440	28.51	6.36	74.17	109.04	74.00	-35.04	Peak

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

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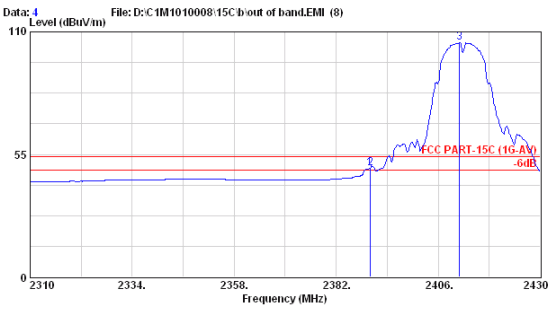

Site no. : A/C Chamber Data no. : 4
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.47	6.34	13.86	48.67	54.00	5.33	Average
2	2390.040	28.47	6.34	13.94	48.76	54.00	5.24	Average
3	2411.040	28.51	6.36	70.23	105.10	54.00	-51.10	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：	Oct. 08, 2010	Temperature：	23℃
EUT：	Wi-Fi module	Humidity：	50%
Test Mode：	802.11b, Transmit, Channel: 01, Frequency: 2412MHz		

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2389.920	28.47	6.34	21.07	55.88	74.00	18.12
Average *	2389.920	28.47	6.34	11.89	46.70	54.00	7.30

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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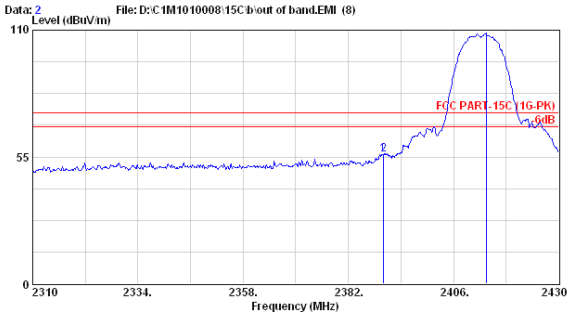

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115(4927)
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56%
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11b)
Data no. : 2
Ant. pol. : VERTICAL
□Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.47	6.34	21.07	55.88	74.00	18.12	Peak
2	2390.040	28.47	6.34	21.05	55.87	74.00	18.13	Peak
3	2413.440	28.51	6.36	73.75	108.62	74.00	-34.62	Peak

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

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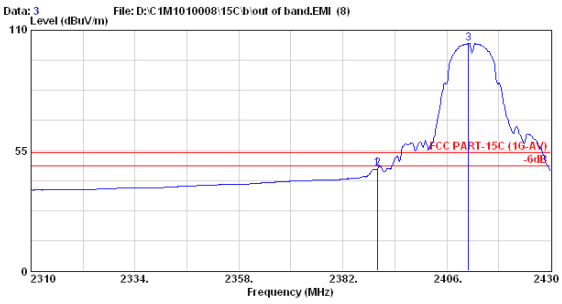

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115(4927)
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56%
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11b)
Data no. : 3
Ant. pol. : VERTICAL
□Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remar
1	2389.920	28.47	6.34	11.89	46.70	54.00	7.30	Average
2	2390.040	28.47	6.34	12.08	46.90	54.00	7.10	Average
3	2411.040	28.51	6.36	69.10	103.97	54.00	-49.97	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2483.760	28.66	6.45	20.24	55.35	74.00	18.65
Average *	2483.600	28.66	6.45	10.36	45.47	54.00	8.53

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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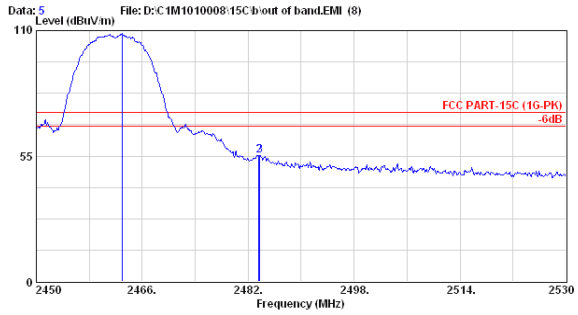

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.960	28.62	6.42	73.57	108.62	74.00	-34.62	Peak
2	2483.600	28.66	6.45	20.00	55.11	74.00	18.89	Peak
3	2483.760	28.66	6.45	20.24	55.36	74.00	18.64	Peak

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

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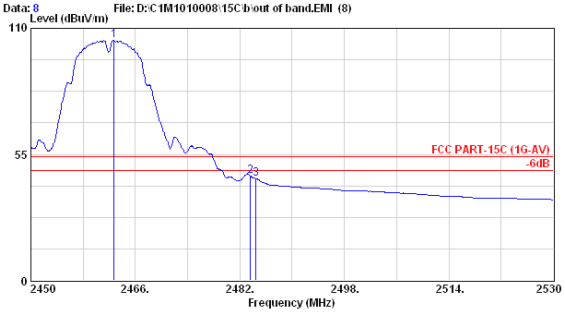

Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.720	28.62	6.42	69.60	104.65	54.00	-50.65	Average
2	2483.600	28.66	6.45	10.36	45.47	54.00	8.53	Average
3	2484.480	28.66	6.45	9.36	44.48	54.00	9.52	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：	Oct. 08, 2010	Temperature：	23℃
EUT：	Wi-Fi module	Humidity：	50%
Test Mode：	802.11b, Transmit, Channel: 11, Frequency: 2462MHz		

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2483.600	28.66	6.45	20.62	55.73	74.00	18.27
Average *	2483.600	28.66	6.45	12.50	47.61	54.00	6.39

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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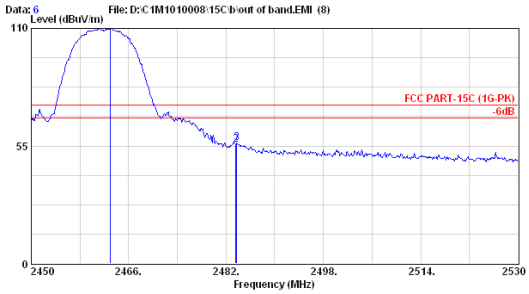

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.960	28.62	6.42	75.09	110.14	74.00	-36.14	Peak
2	2483.600	28.66	6.45	20.62	55.73	74.00	18.27	Peak
3	2483.760	28.66	6.45	21.26	56.38	74.00	17.62	Peak

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

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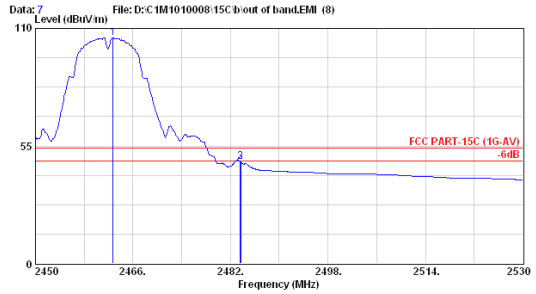

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11b)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.720	28.62	6.42	70.59	105.64	54.00	-51.64	Average
2	2483.600	28.66	6.45	12.50	47.61	54.00	6.39	Average
3	2483.680	28.66	6.45	12.35	47.46	54.00	6.54	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2389.920	28.47	6.34	28.60	63.41	74.00	10.59
Average *	2389.920	28.47	6.34	16.90	51.71	54.00	2.29

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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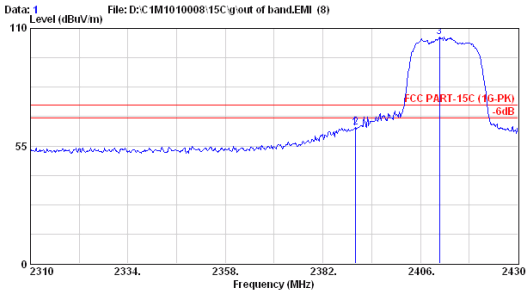

Site no. : A/C Chamber Data no. : 1
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.47	6.34	28.60	63.41	74.00	10.59	Peak
2	2390.040	28.47	6.34	28.84	63.66	74.00	10.34	Peak
3	2410.680	28.51	6.36	71.25	106.12	74.00	-32.12	Peak

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

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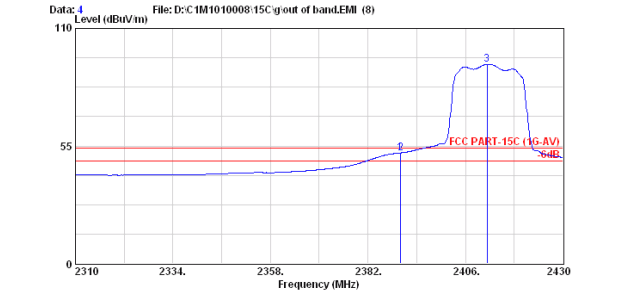

Site no. : A/C Chamber Data no. : 4
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.47	6.34	16.90	51.71	54.00	2.29	Average
2	2390.040	28.47	6.34	16.91	51.73	54.00	2.27	Average
3	2411.280	28.51	6.36	58.27	93.14	54.00	-39.14	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2388.840	28.47	6.34	27.25	62.06	74.00	11.94
Average *	2389.920	28.47	6.34	14.20	49.01	54.00	4.99

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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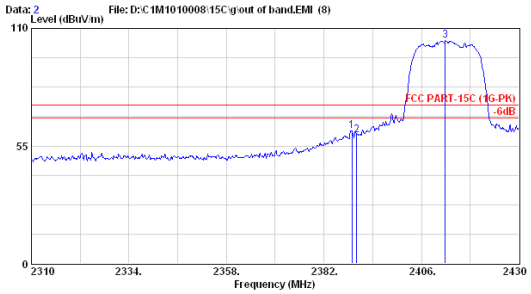

Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2388.840	28.47	6.34	27.25	62.06	74.00	11.94	Peak
2	2390.040	28.47	6.34	25.37	60.19	74.00	13.81	Peak
3	2411.880	28.51	6.36	69.31	104.19	74.00	-30.19	Peak

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

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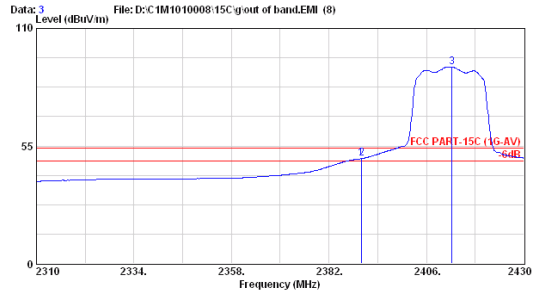

Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.920	28.47	6.34	14.20	49.02	54.00	4.98	Average
2	2390.040	28.47	6.34	14.24	49.06	54.00	4.94	Average
3	2412.240	28.51	6.36	57.19	92.07	54.00	-38.07	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2484.560	28.66	6.45	26.30	61.41	74.00	12.59
Average *	2483.600	28.66	6.45	13.82	48.93	54.00	5.07

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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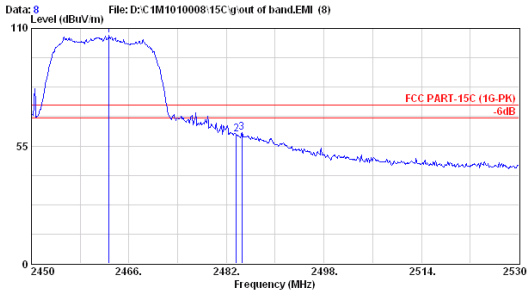

Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.720	28.62	6.42	71.60	106.65	74.00	-32.65	Peak
2	2483.600	28.66	6.45	25.18	60.29	74.00	13.71	Peak
3	2484.560	28.66	6.45	26.30	61.41	74.00	12.59	Peak

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

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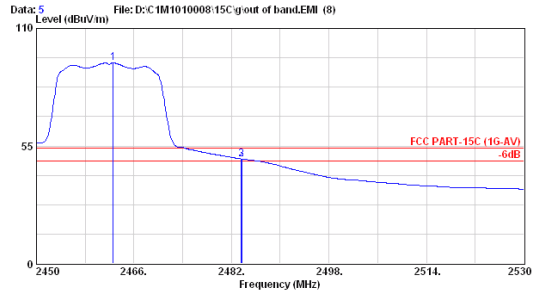

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.560	28.62	6.42	58.76	93.81	54.00	-39.81	Average
2	2483.600	28.66	6.45	13.82	48.93	54.00	5.07	Average
3	2483.680	28.66	6.45	13.81	48.92	54.00	5.08	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2483.600	28.66	6.45	29.94	65.05	74.00	8.95
Average *	2483.600	28.66	6.45	13.28	48.39	54.00	5.61

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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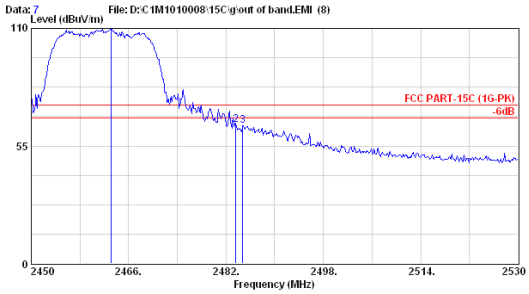

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2463.120	28.62	6.42	74.93	109.98	74.00	-35.98	Peak
2	2483.600	28.66	6.45	29.94	65.05	74.00	8.95	Peak
3	2484.720	28.66	6.45	29.54	64.65	74.00	9.35	Peak

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

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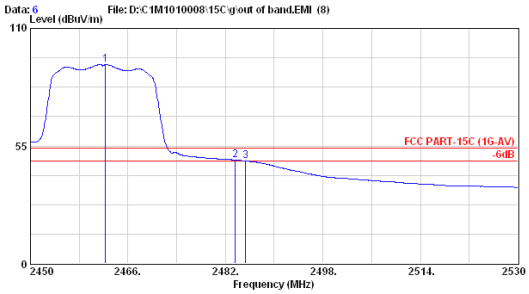

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11g)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.320	28.62	6.42	58.01	93.06	54.00	-39.06	Average
2	2483.600	28.66	6.45	13.28	48.39	54.00	5.61	Average
3	2485.280	28.66	6.45	12.89	48.01	54.00	5.99	Average

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

Date of Test： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2381.640	28.43	6.33	30.48	65.24	74.00	8.76
Average *	2389.440	28.47	6.34	16.93	51.74	54.00	2.26

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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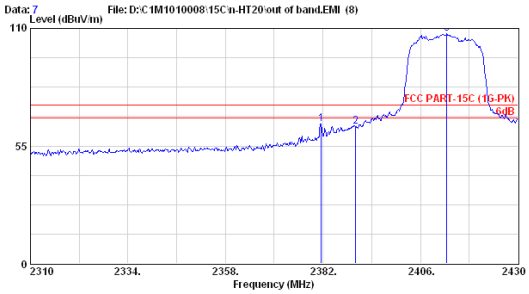

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2381.640	28.43	6.33	30.48	65.25	74.00	8.75	Peak
2	2390.040	28.47	6.34	29.33	64.15	74.00	9.85	Peak
3	2412.480	28.51	6.36	72.59	107.47	74.00	-33.47	Peak

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

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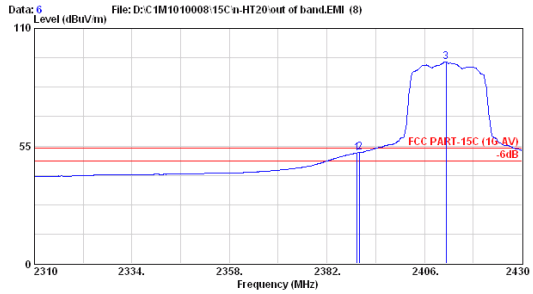

Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2389.440	28.47	6.34	16.93	51.75	54.00	2.25	Average
2	2390.040	28.47	6.34	17.03	51.85	54.00	2.15	Average
3	2411.280	28.51	6.36	59.48	94.35	54.00	-40.35	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2388.840	28.47	6.34	28.35	63.16	74.00	10.84
Average *	2388.720	28.47	6.34	16.90	51.71	54.00	2.29

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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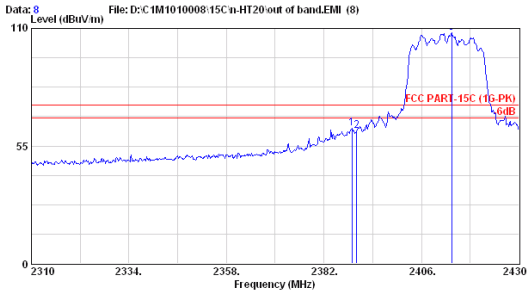

Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2388.840	28.47	6.34	28.35	63.16	74.00	10.84	Peak
2	2390.040	28.47	6.34	27.16	61.98	74.00	12.02	Peak
3	2413.440	28.51	6.36	73.10	107.97	74.00	-33.97	Peak

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

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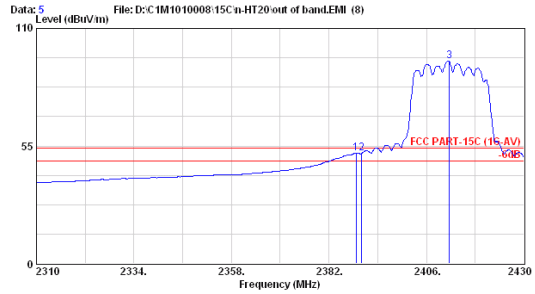

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2412(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2388.720	28.47	6.34	16.90	51.71	54.00	2.29	Average
2	2390.040	28.47	6.34	16.60	51.42	54.00	2.58	Average
3	2411.640	28.51	6.36	59.86	94.74	54.00	-40.74	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2483.920	28.66	6.45	30.02	65.13	74.00	8.87
Average *	2483.600	28.66	6.45	16.02	51.13	54.00	2.87

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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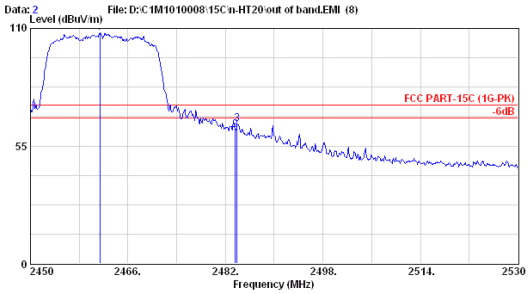

Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2461.360	28.62	6.42	72.83	107.87	74.00	-33.87	Peak
2	2483.600	28.66	6.45	27.42	62.54	74.00	11.46	Peak
3	2483.920	28.66	6.45	30.02	65.14	74.00	8.86	Peak

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

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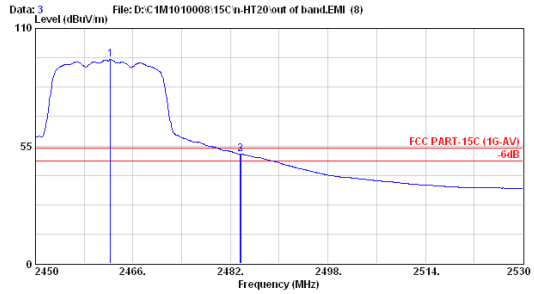

Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.320	28.62	6.42	60.36	95.41	54.00	-41.41	Average
2	2483.600	28.66	6.45	16.02	51.14	54.00	2.86	Average
3	2483.680	28.66	6.45	15.98	51.10	54.00	2.90	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2490.320	28.70	6.46	32.72	67.88	74.00	6.12
Average *	2483.760	28.66	6.45	17.19	52.30	54.00	1.70

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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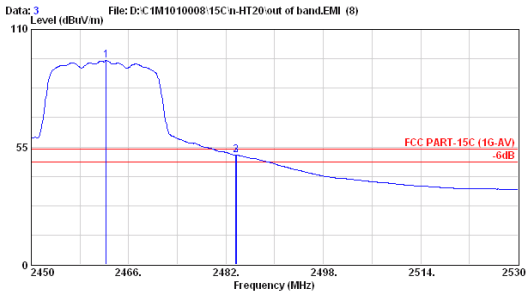

Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(4927) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2462.320	28.62	6.42	60.36	95.41	54.00	-41.41	Average
2	2483.600	28.66	6.45	16.02	51.14	54.00	2.86	Average
3	2483.680	28.66	6.45	15.98	51.10	54.00	2.90	Average

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

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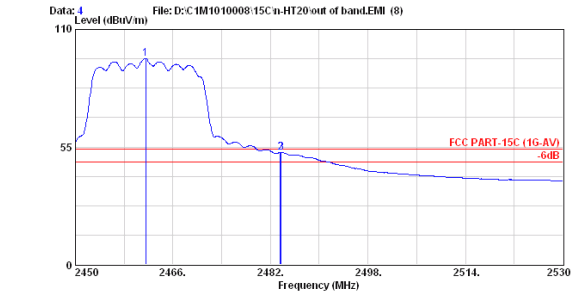


Site no. : A/C Chamber Data no. : 4
Dis. / Ant. : 3m 3115(4927) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2462(802.11n-HT20)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2461.520	28.62	6.42	61.39	96.43	54.00	-42.43	Average
2	2483.600	28.66	6.45	17.15	52.26	54.00	1.74	Average
3	2483.760	28.66	6.45	17.19	52.31	54.00	1.69	Average

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

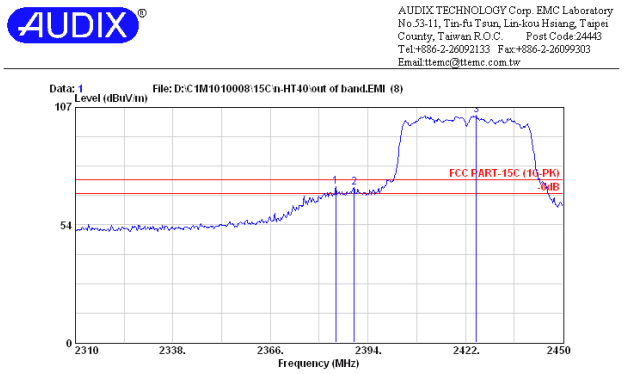
Date of Test： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2484.760	28.08	6.33	36.68	71.09	74.00	2.91
Average *	2389.380	28.10	6.34	18.52	52.96	54.00	1.04

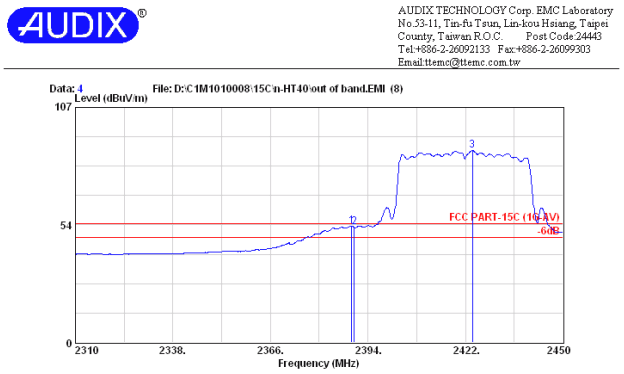
Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



Site no. : A/C Chamber Data no. : 1
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2422(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	2384.760	28.08	6.33	36.68	71.10	74.00	2.90	Peak
2	2390.080	28.10	6.34	36.18	70.62	74.00	3.38	Peak
3	2425.080	28.13	6.38	68.80	103.32	74.00	-29.32	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. : 4
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2422(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	18.52	52.96	54.00	1.04	Average
2	2390.080	28.10	6.34	17.91	52.35	54.00	1.65	Average
3	2423.960	28.13	6.38	52.78	87.29	54.00	-33.29	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2486.160	28.10	6.33	34.86	69.29	74.00	4.71
Average *	2388.680	28.10	6.34	18.03	52.47	54.00	1.53

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2390MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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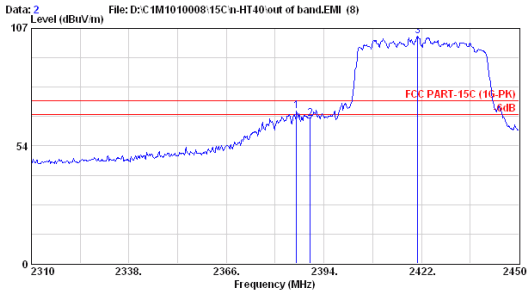

Site no. : A/C Chamber Data no. : 2
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2422(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2386.160	28.10	6.33	34.86	69.29	74.00	4.71	Peak
2	2390.080	28.10	6.34	31.49	65.93	74.00	8.07	Peak
3	2420.880	28.13	6.37	69.08	103.59	74.00	-29.59	Peak

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

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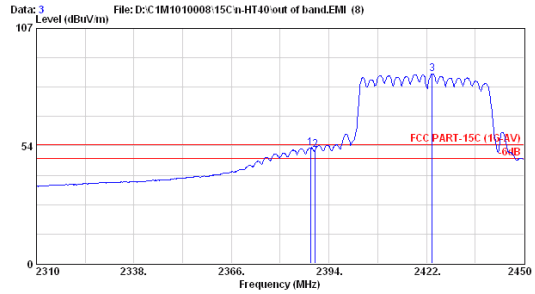

Site no. : A/C Chamber Data no. : 3
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2422(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2388.680	28.10	6.34	18.03	52.46	54.00	1.54	Average
2	2390.080	28.10	6.34	17.31	51.75	54.00	2.25	Average
3	2423.680	28.13	6.38	51.77	86.28	54.00	-32.28	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2488.420	28.20	6.45	35.52	70.17	74.00	3.83
Average *	2483.580	28.18	6.45	17.60	52.23	54.00	1.77

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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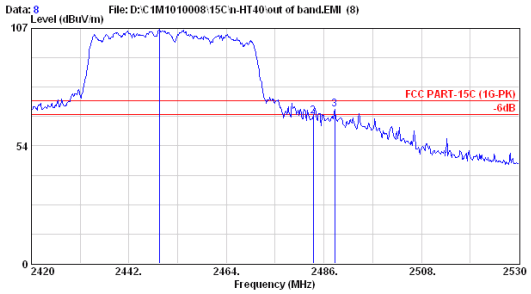

Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2452(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2448.820	28.15	6.41	72.12	106.67	74.00	-32.67	Peak
2	2483.580	28.18	6.45	32.25	66.88	74.00	7.12	Peak
3	2488.420	28.20	6.45	35.52	70.17	74.00	3.83	Peak

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

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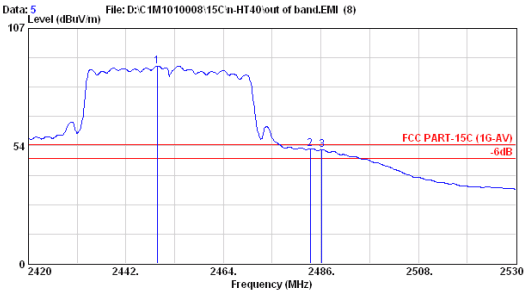

Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115(3775) Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2452(802.11n-HT40)

	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	55.33	89.89	54.00	-35.89	Average
2	2483.580	28.18	6.45	17.60	52.24	54.00	1.76	Average
3	2486.220	28.18	6.45	17.09	51.73	54.00	2.27	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： Oct. 08, 2010 Temperature： 23℃

EUT： Wi-Fi module Humidity： 50%

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

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2486.220	28.18	6.45	37.22	71.85	74.00	2.15
Average *	2483.580	28.18	6.45	16.97	51.60	54.00	2.40

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

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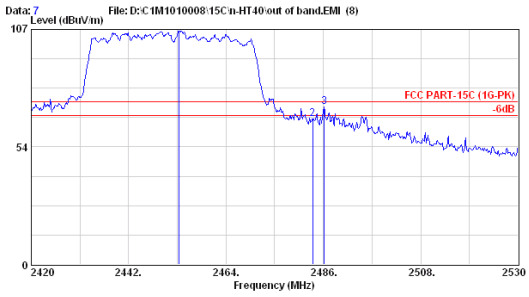

Site no. : A/C Chamber Data no. : 7
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2452(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2453.440	28.15	6.42	71.67	106.23	74.00	-32.23	Peak
2	2483.580	28.18	6.45	31.61	66.25	74.00	7.75	Peak
3	2486.220	28.18	6.45	37.22	71.86	74.00	2.14	Peak

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

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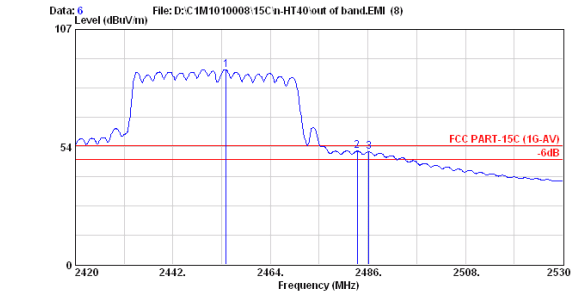


Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m 3115(3775) Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 25℃/56% ☐Jarwei Wang
EUT : WN8522D1
Power Rating : DC 5V via notebook
Test Mode : TX2452(802.11n-HT40)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2453.990	28.17	6.42	54.08	88.66	54.00	-34.66	Average
2	2483.580	28.18	6.45	16.97	51.60	54.00	2.40	Average
3	2486.220	28.18	6.45	16.61	51.25	54.00	2.75	Average

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

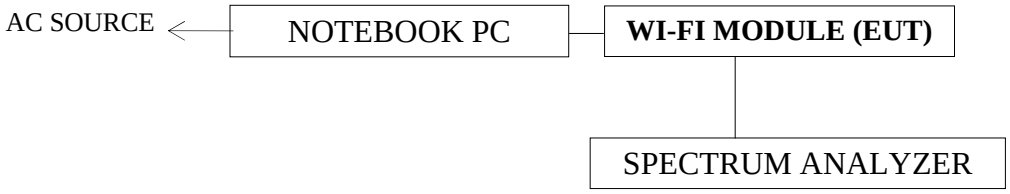
4. 6dB BANDWIDTH MEASUREMENT

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 “Broadcom WL Command” 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

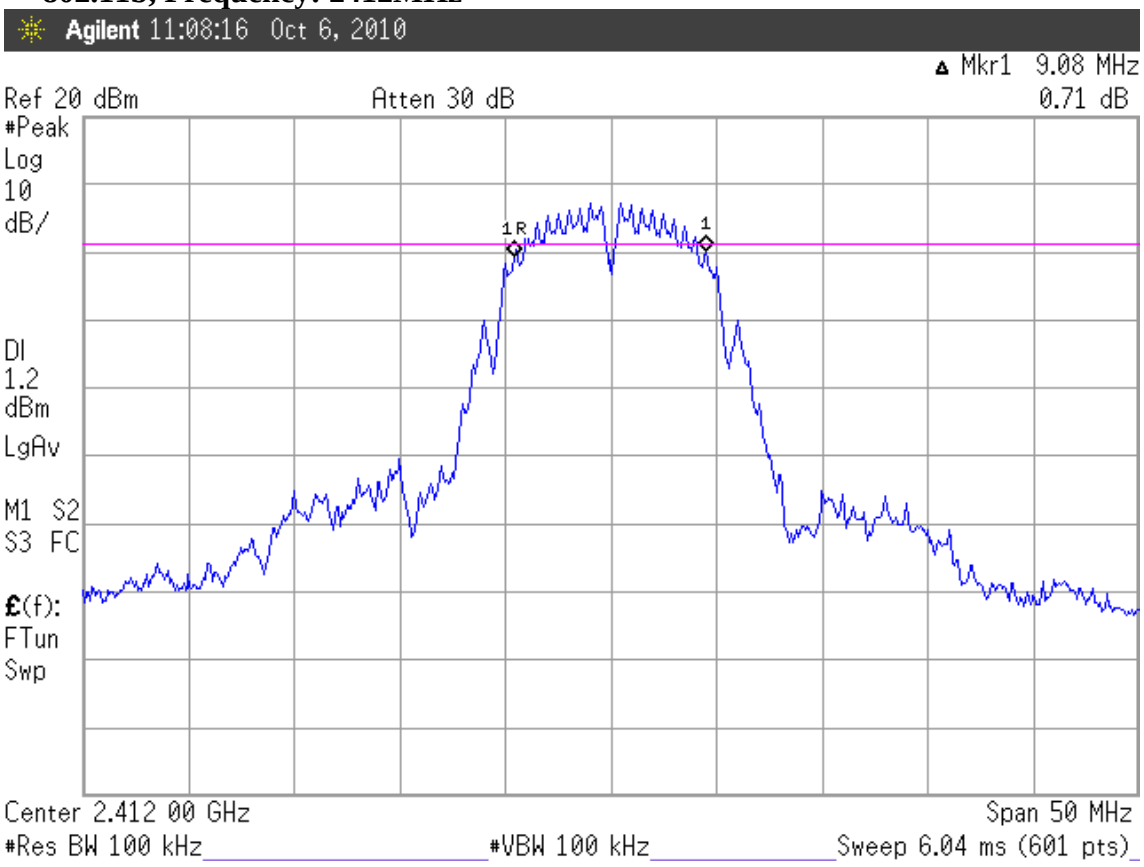
PASSED. All the test results are attached in next pages.

(Test Date : Oct. 06, 2010 Temperature : 26℃ Humidity : 55%)

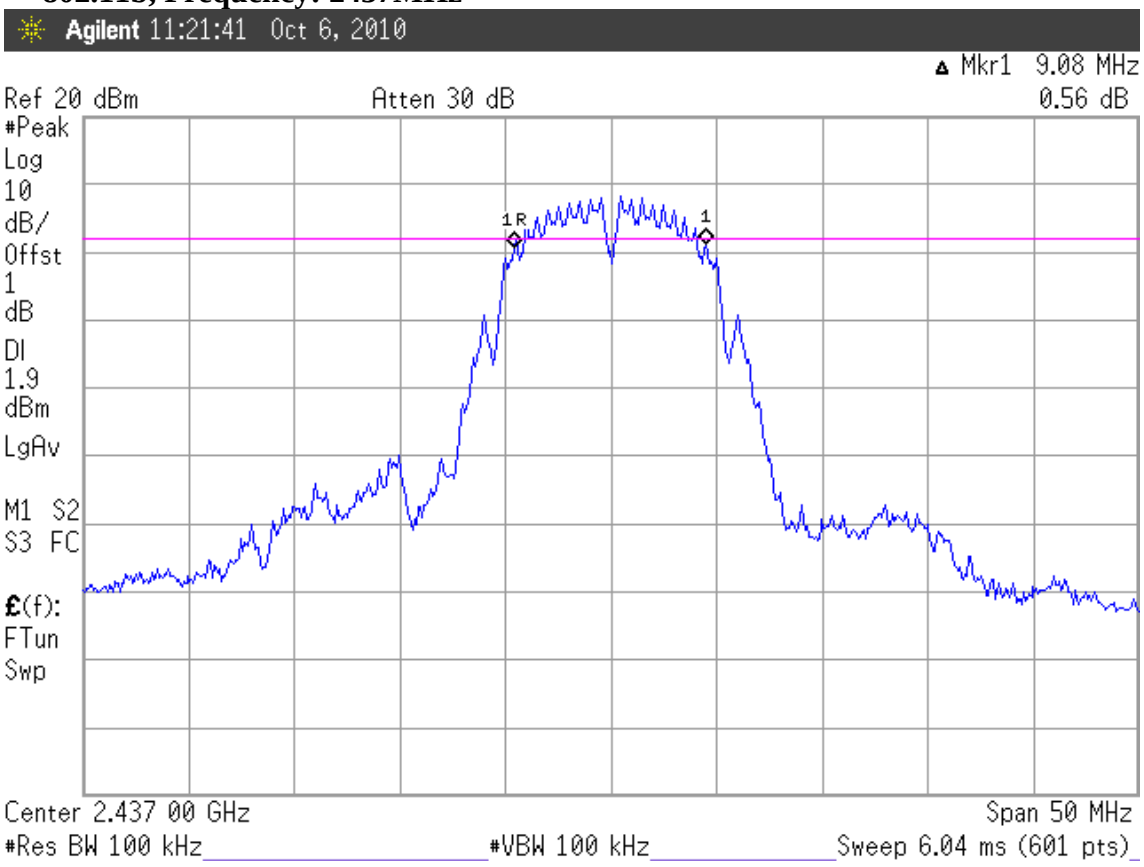
Mode	Type of Network	Channel	Frequency	**6dB Bandwidth**
1.	802.11b	CH 1	2412MHz	**9.08MHz**
2.		CH 6	2437MHz	**9.08MHz**
3.		CH 11	2462MHz	**9.17MHz**
4.	802.11g	CH 1	2412MHz	**15.33MHz**
5.		CH 6	2437MHz	**15.33MHz**
6.		CH 11	2462MHz	**15.42MHz**
7.	802.11a	CH 149	5745MHz	**15.58MHz**
8.		CH 157	5785MHz	**15.42MHz**
9.		CH 165	5825MHz	**15.33MHz**
10.	802.11n-HT20	CH 1	2412MHz	**16.17MHz**
11.		CH 6	2437MHz	**15.42MHz**
12.		CH 11	2462MHz	**16.25MHz**
13.	802.11n-HT20	CH 149	5745MHz	**16.00MHz**
14.		CH 157	5785MHz	**17.17MHz**
15.		CH 165	5825MHz	**16.25MHz**
16.	802.11n-HT40	CH 3	2422MHz	**36.27MHz**
17.		CH 6	2437MHz	**36.13MHz**
18.		CH 9	2452MHz	**36.27MHz**
19.	802.11n-HT40	CH 151	5755MHz	**36.53MHz**
20.		CH 159	5795MHz	**36.53MHz**

[Limit: least 500kHz]

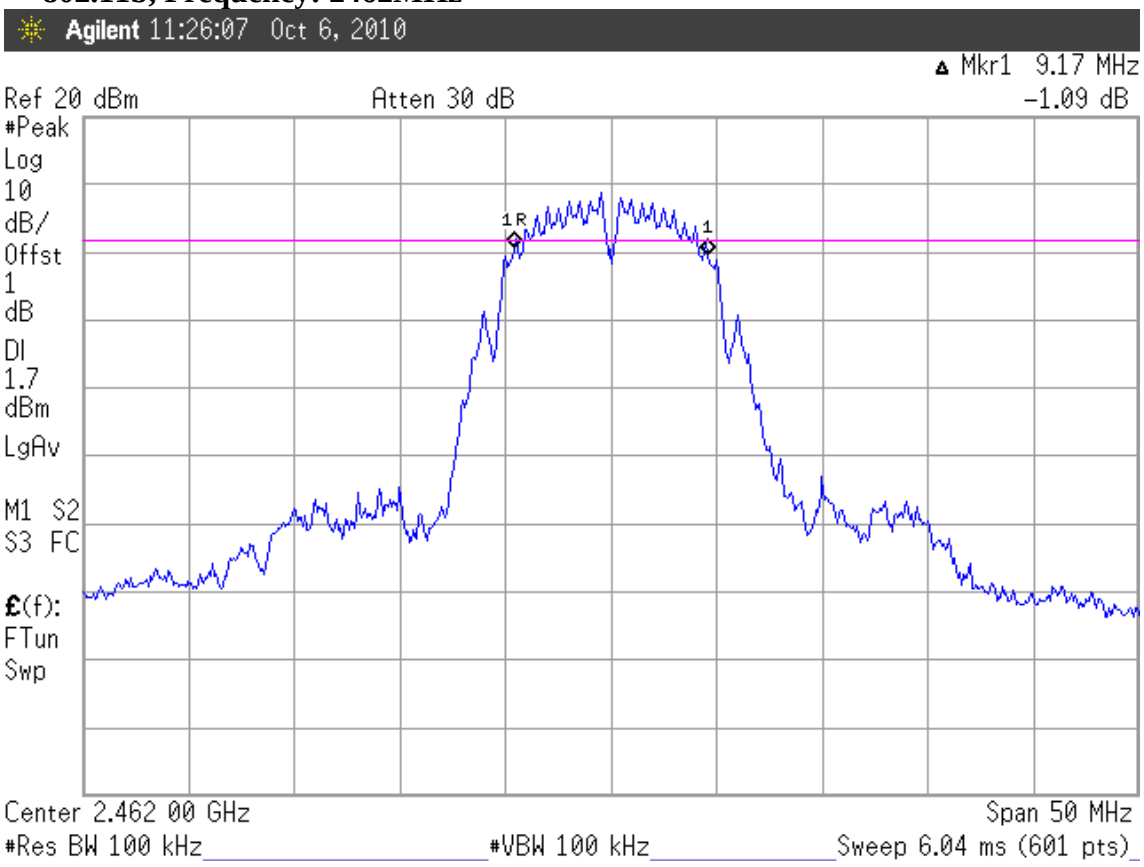
802.11b, Frequency: 2412MHz



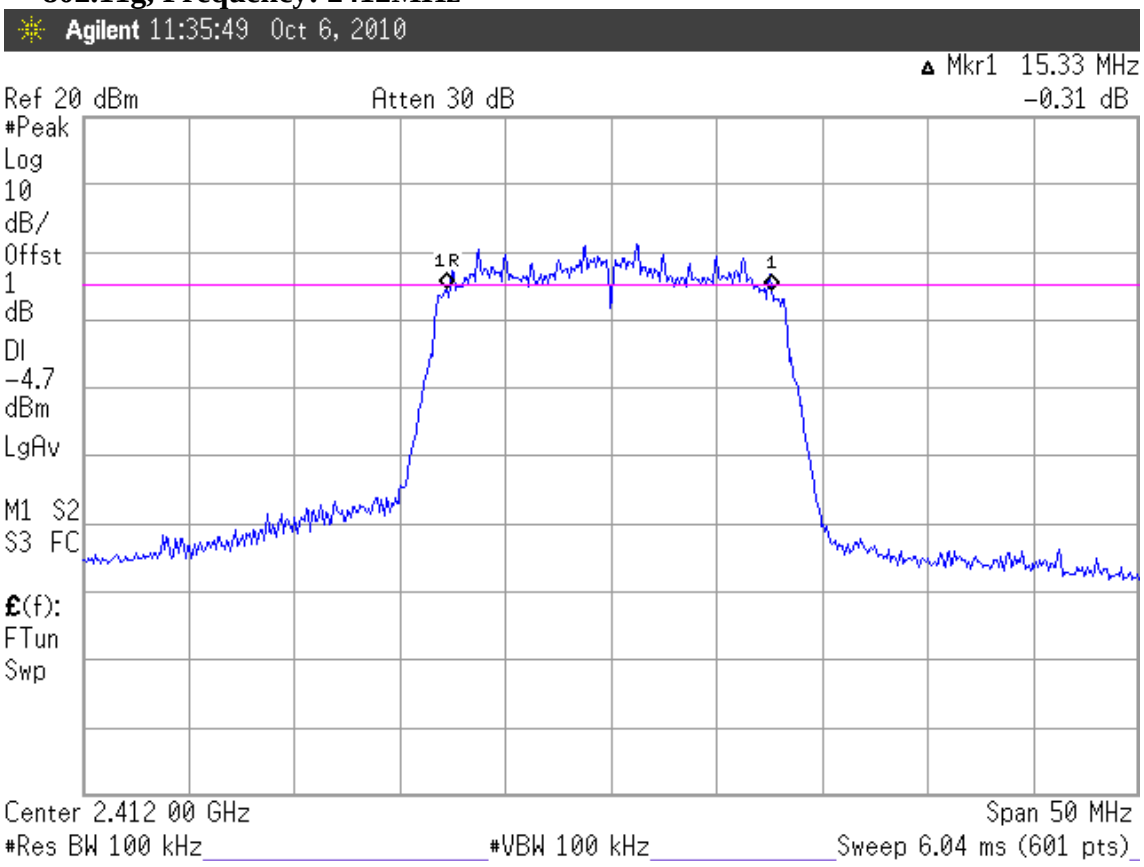
802.11b, Frequency: 2437MHz



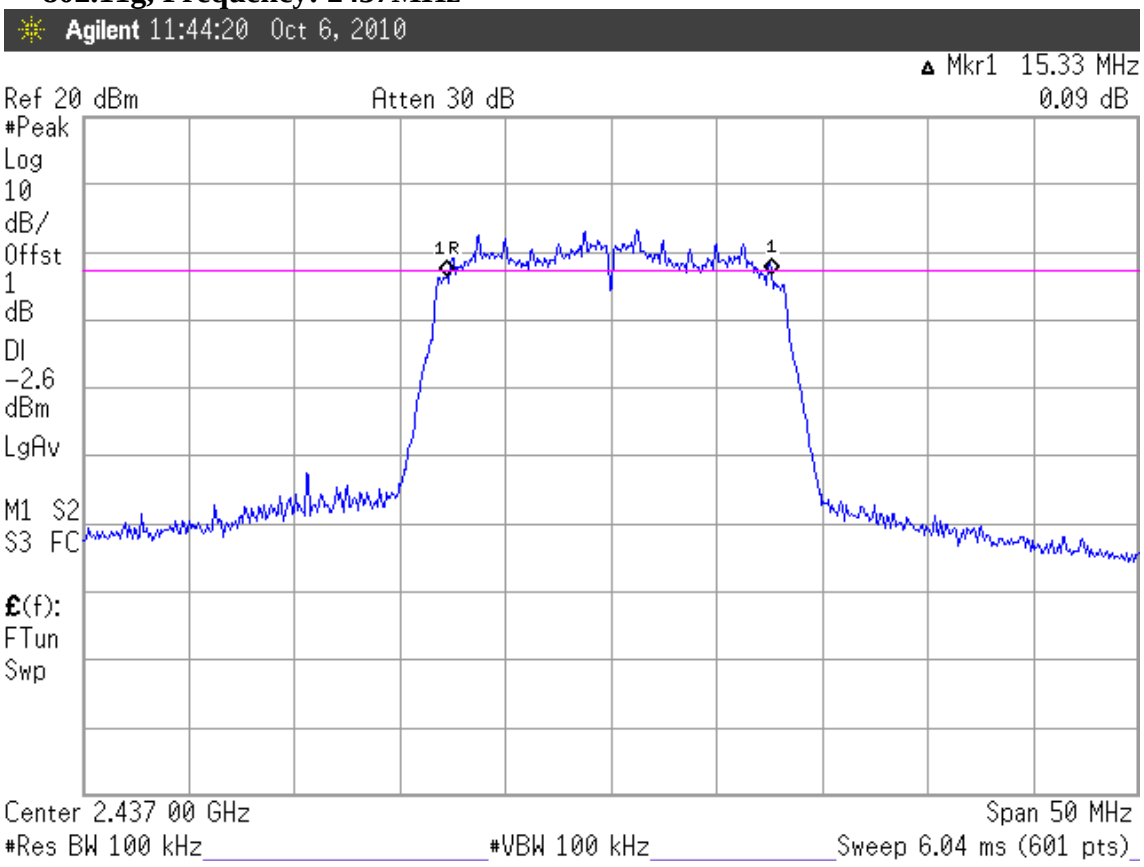
802.11b, Frequency: 2462MHz



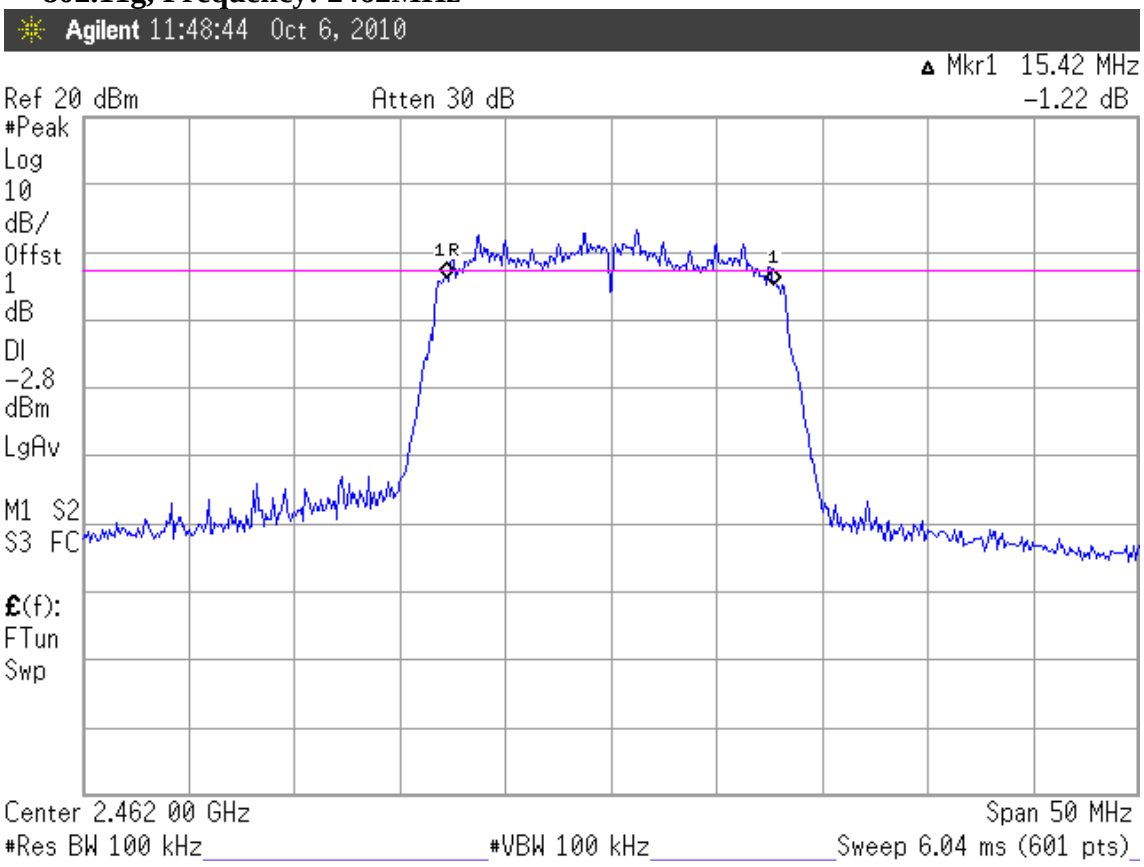
802.11g, Frequency: 2412MHz



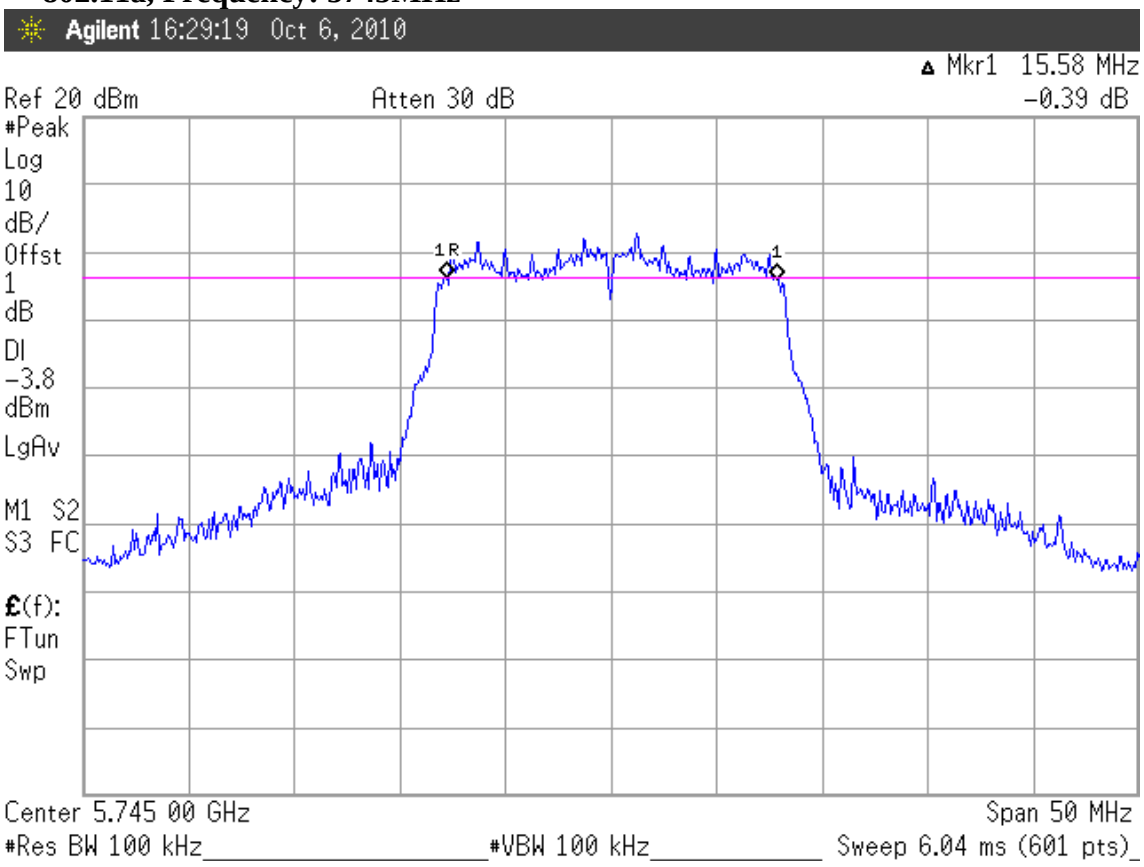
802.11g, Frequency: 2437MHz



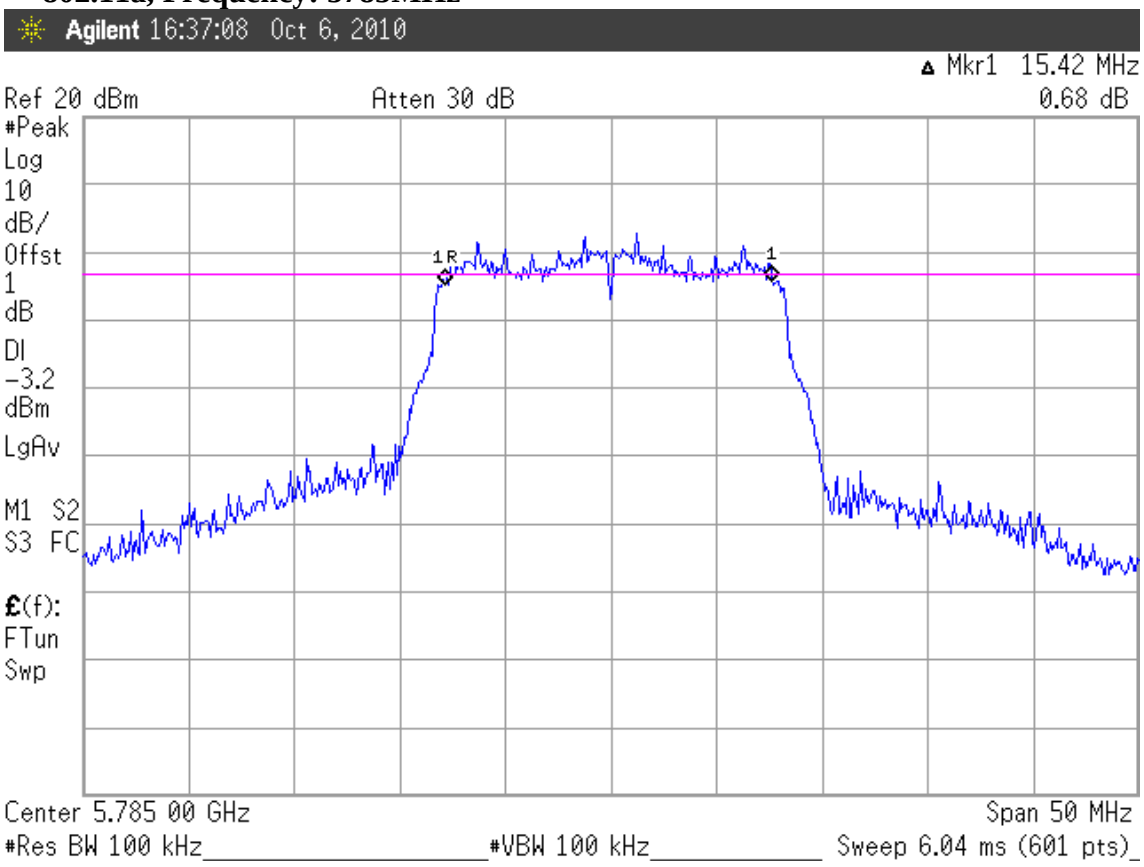
802.11g, Frequency: 2462MHz



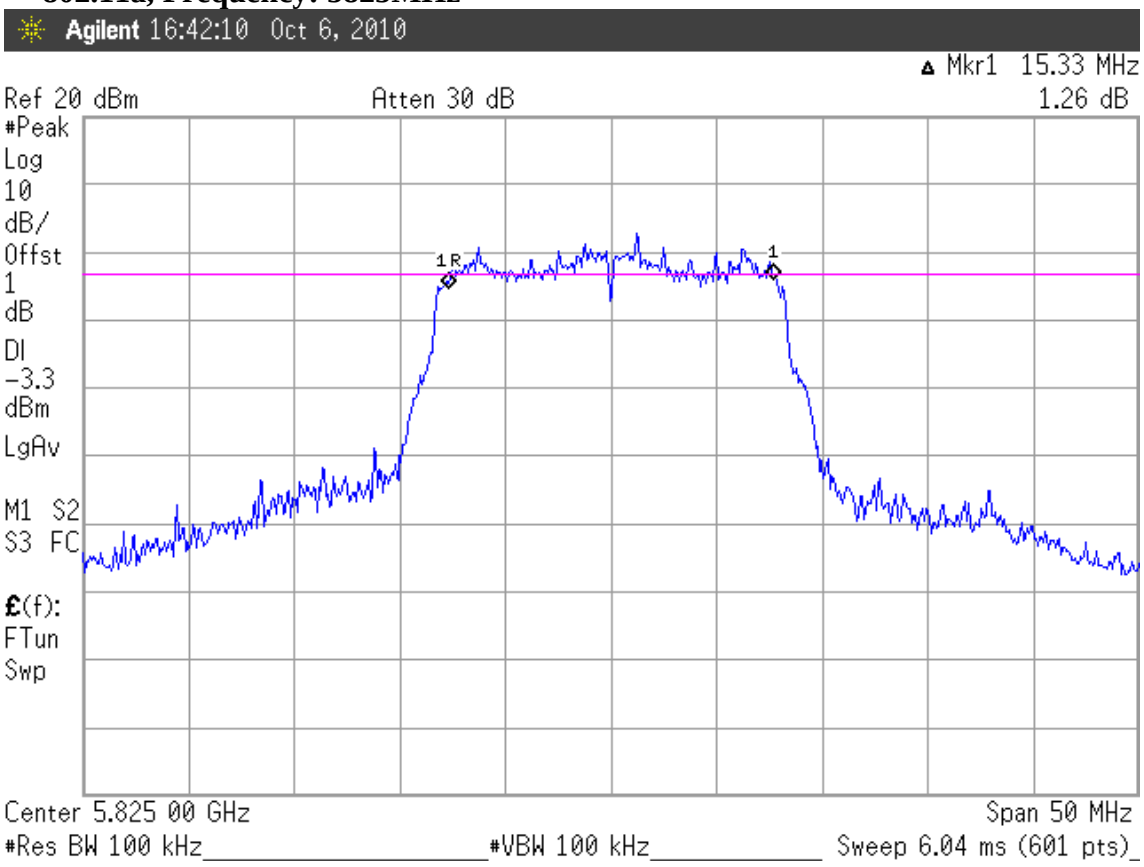
802.11a, Frequency: 5745MHz



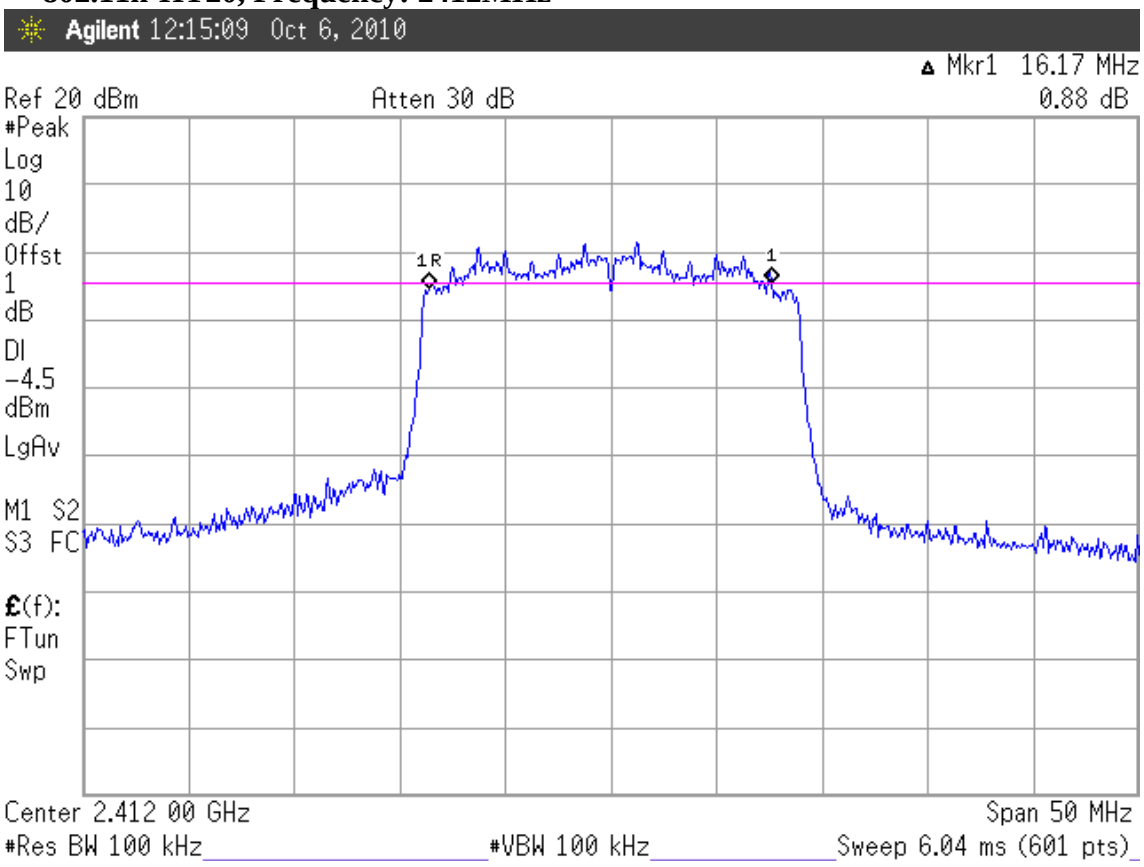
802.11a, Frequency: 5785MHz



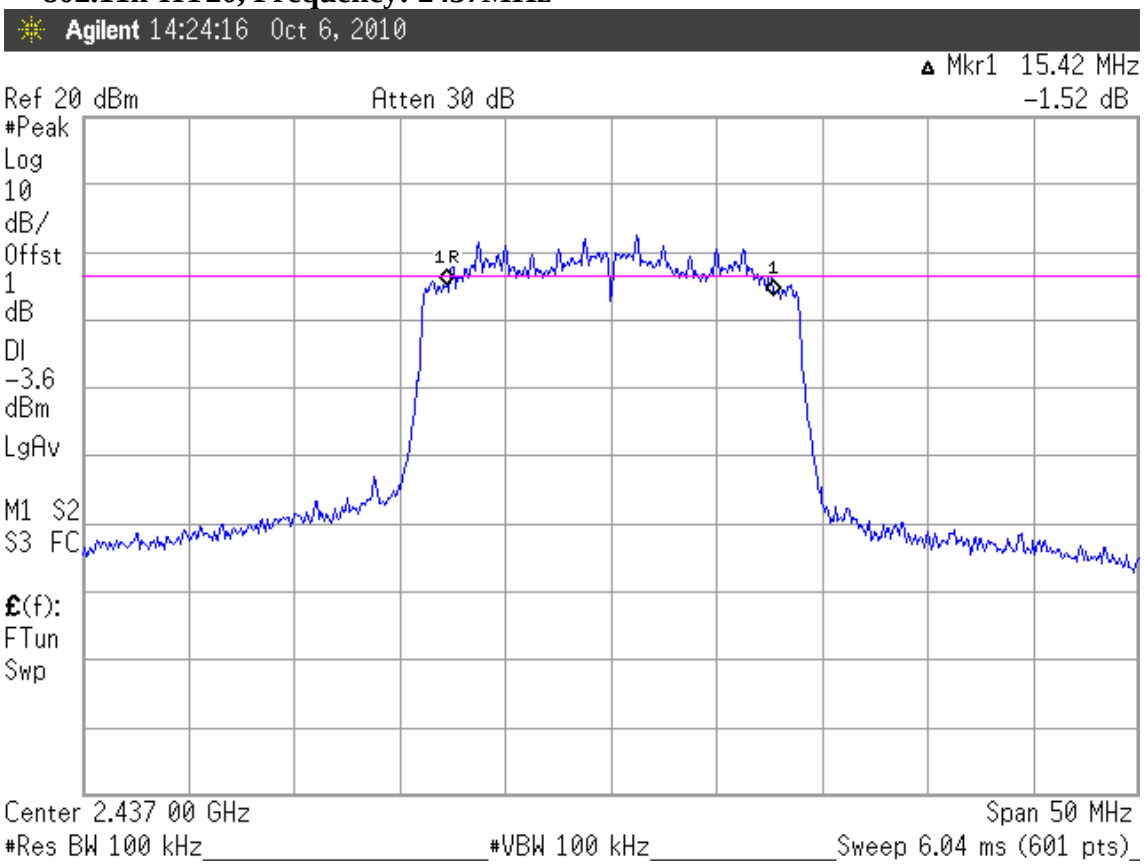
802.11a, Frequency: 5825MHz



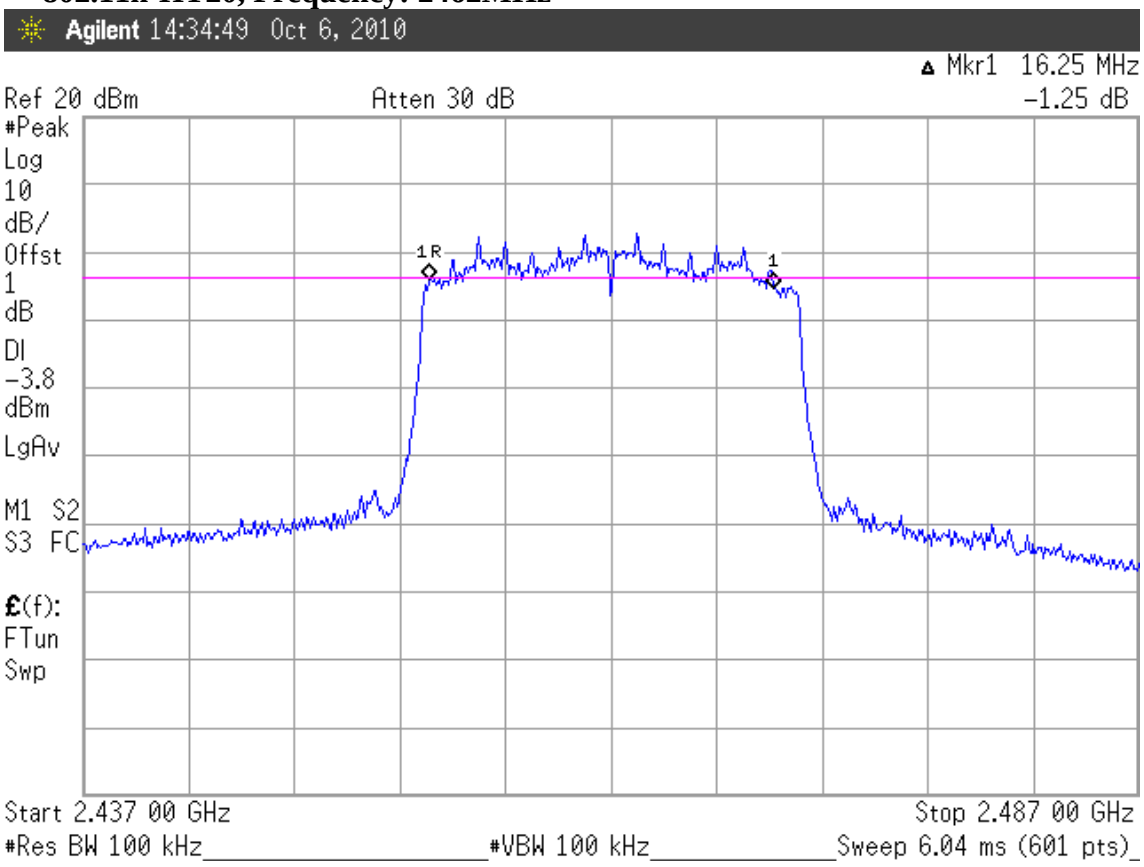
802.11n-HT20, Frequency: 2412MHz



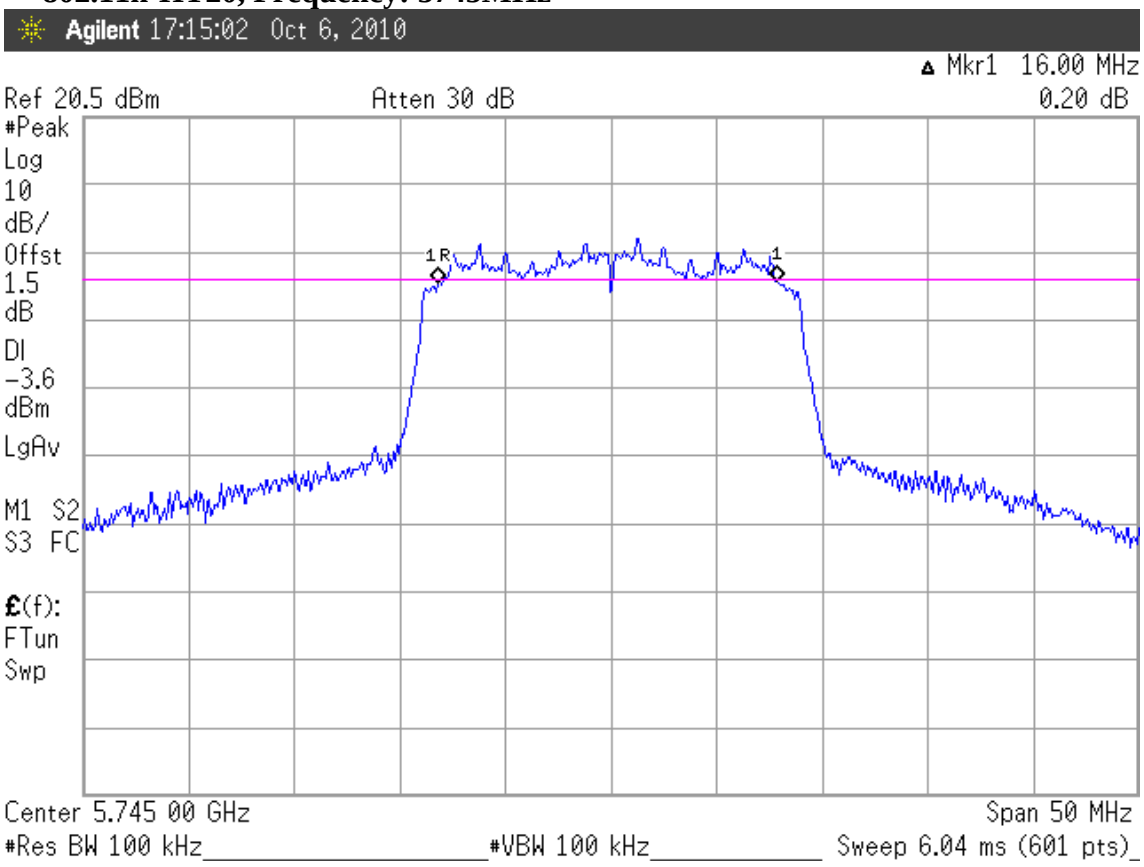
802.11n-HT20, Frequency: 2437MHz



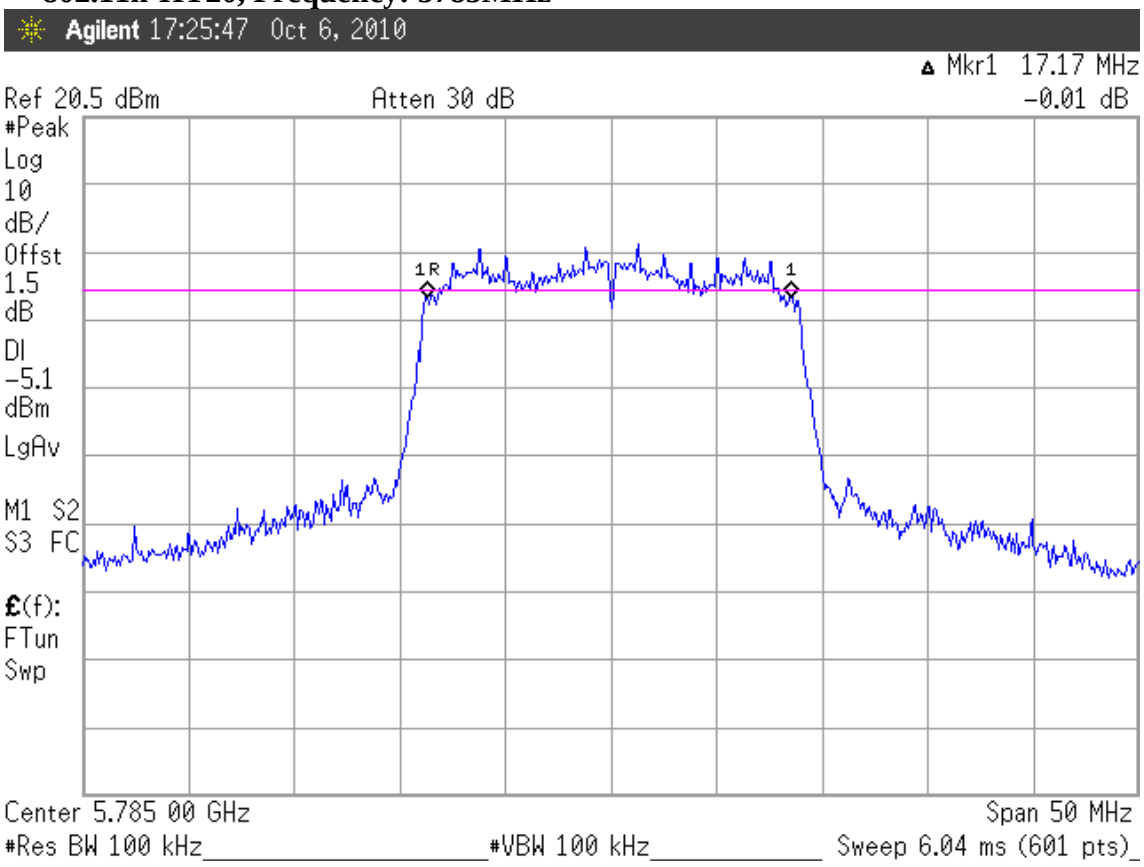
802.11n-HT20, Frequency: 2462MHz



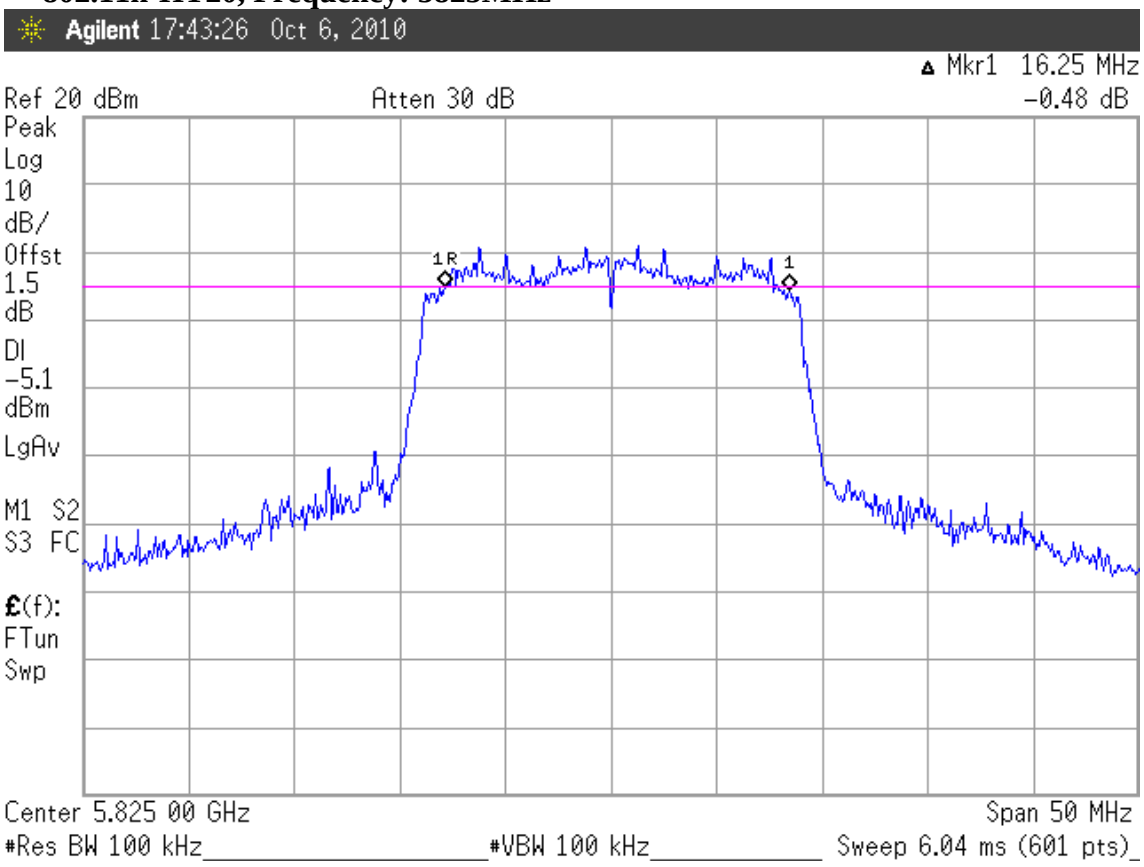
802.11n-HT20, Frequency: 5745MHz



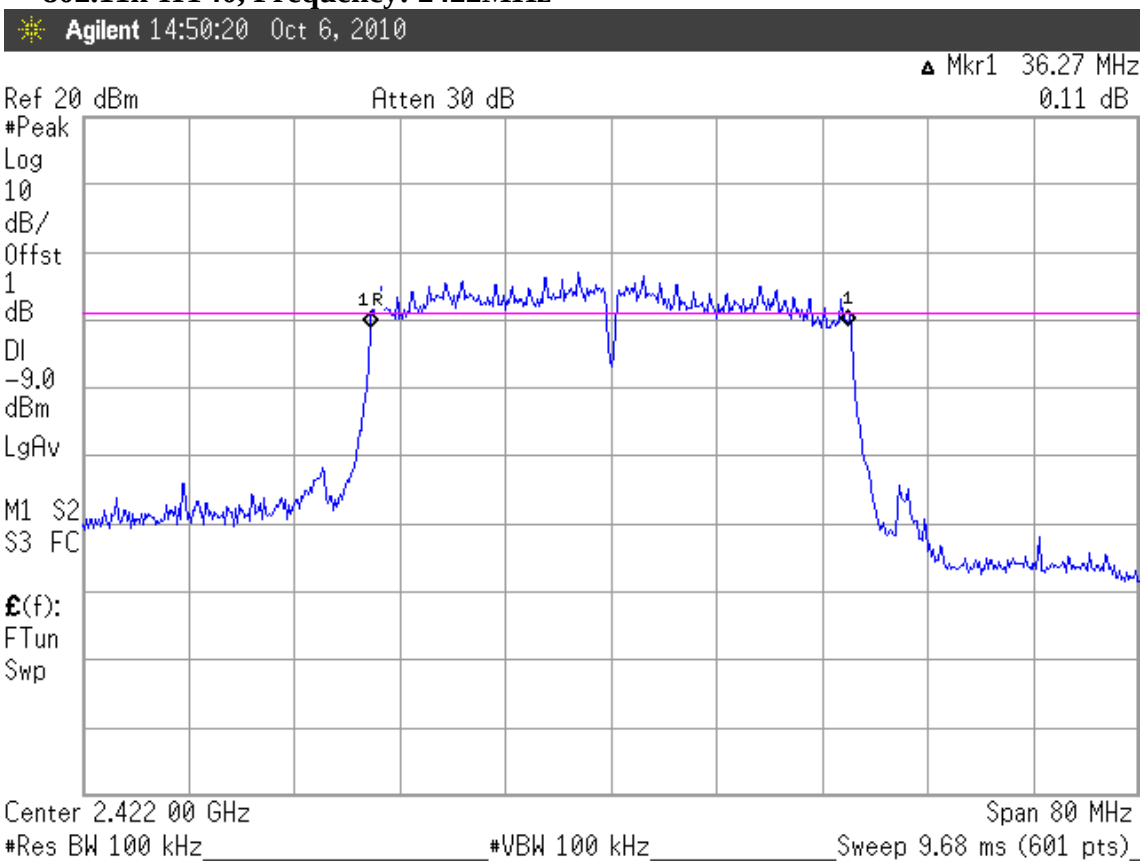
802.11n-HT20, Frequency: 5785MHz



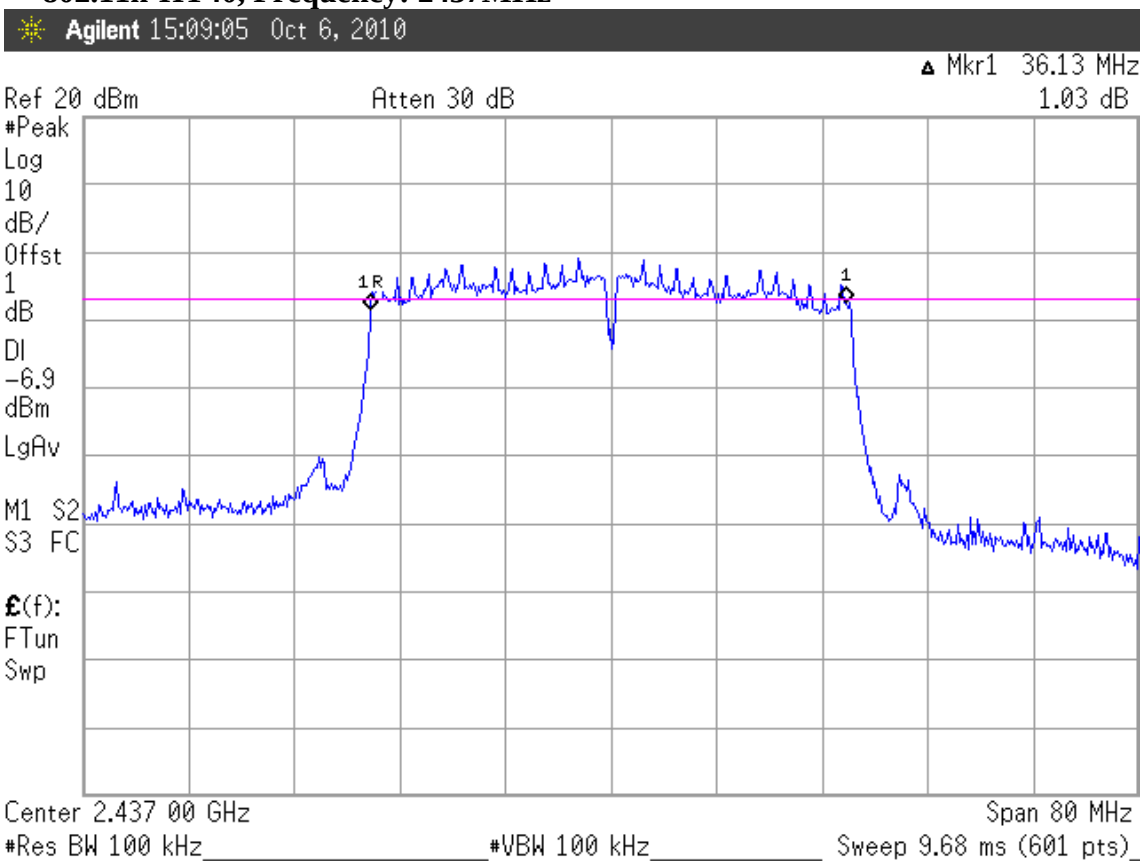
802.11n-HT20, Frequency: 5825MHz



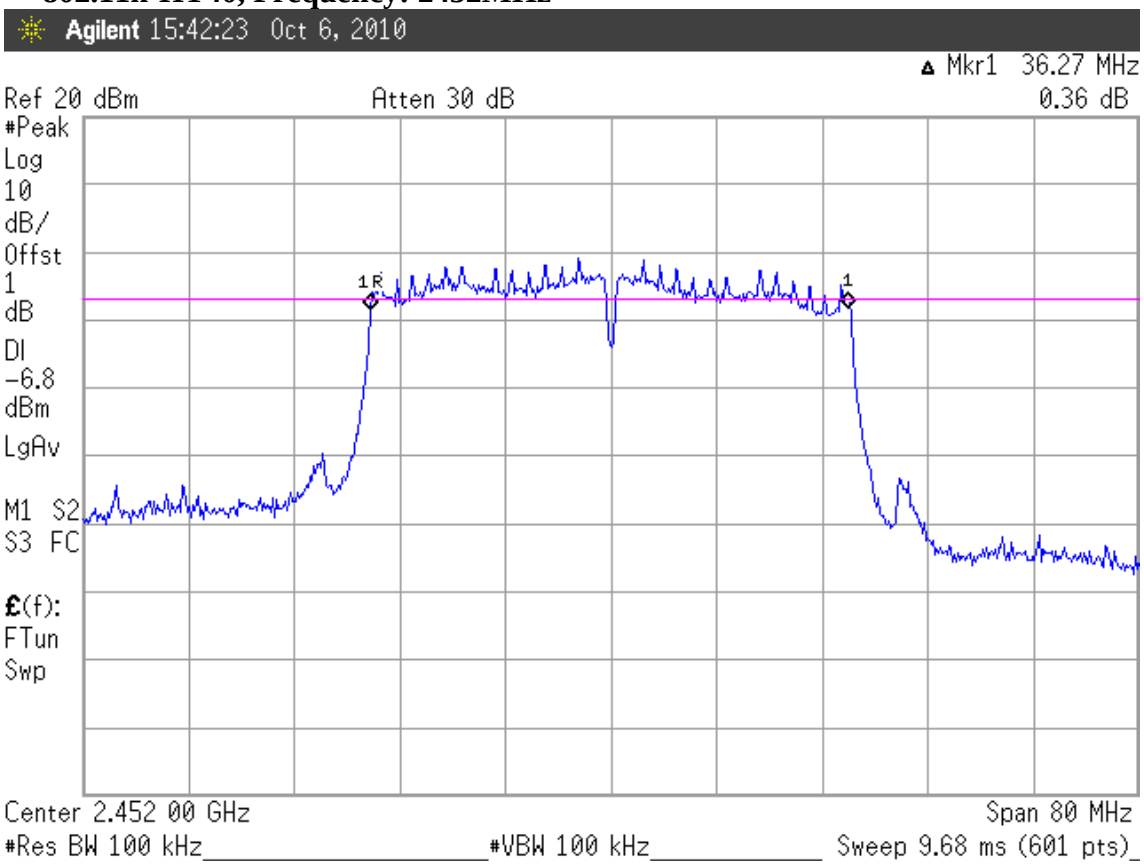
802.11n-HT40, Frequency: 2422MHz



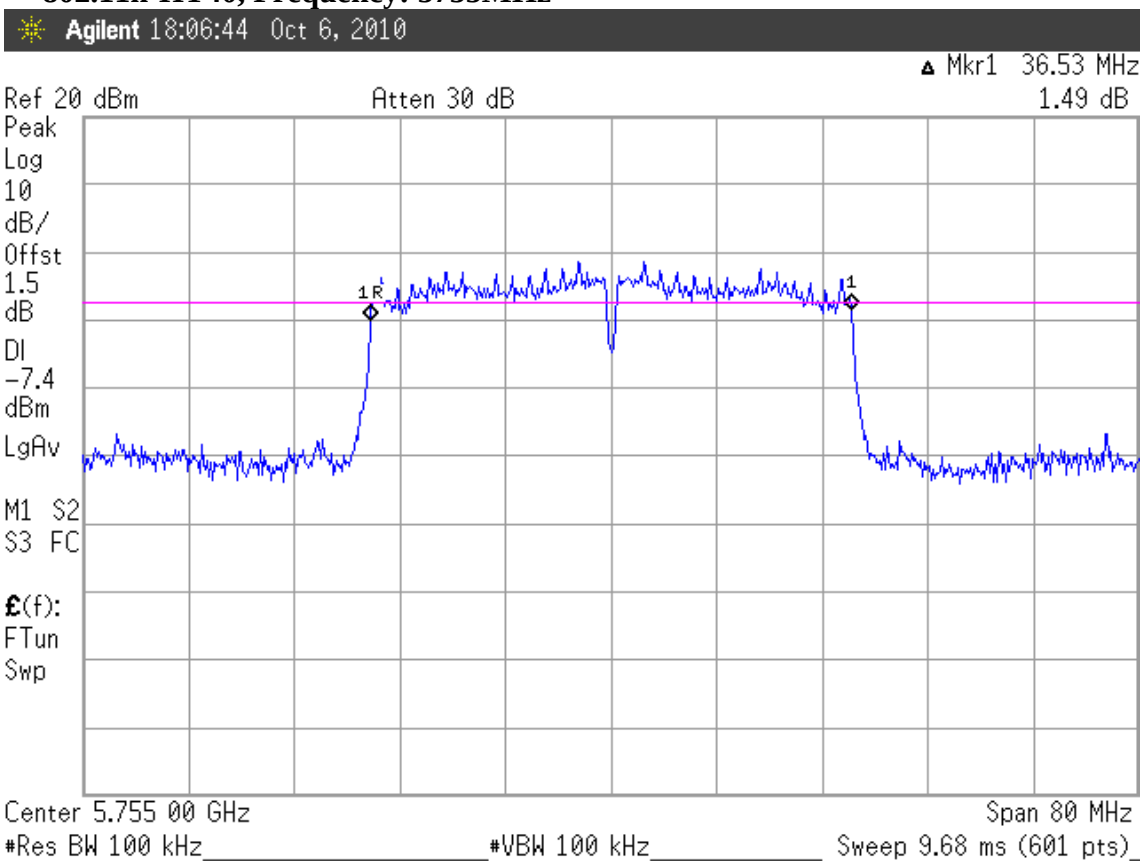
802.11n-HT40, Frequency: 2437MHz



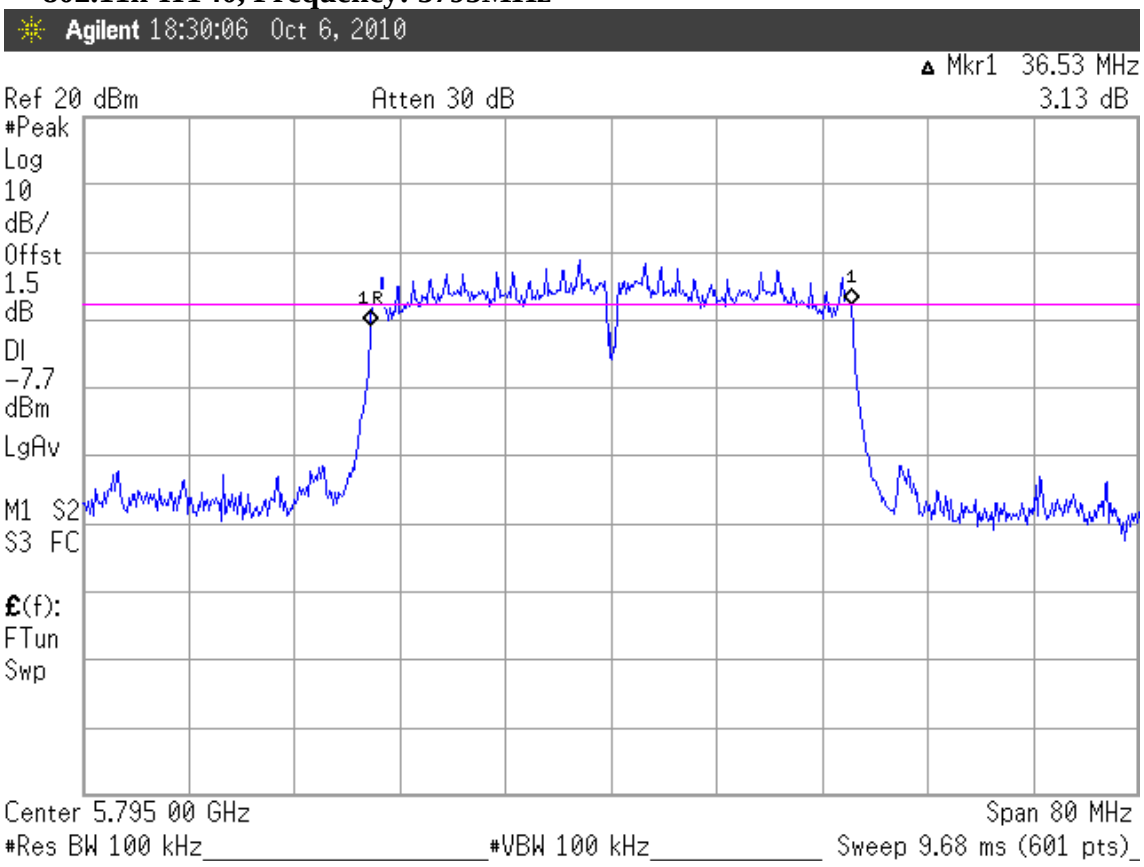
802.11n-HT40, Frequency: 2452MHz



802.11n-HT40, Frequency: 5755MHz



802.11n-HT40, Frequency: 5795MHz



5. MAXIMUM PEAK OUTPUT POWER MEASUREMENT

5.1. Test Equipment

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

5.1.1. For 802.11b/802.11g/802.11a/802.11n-HT20

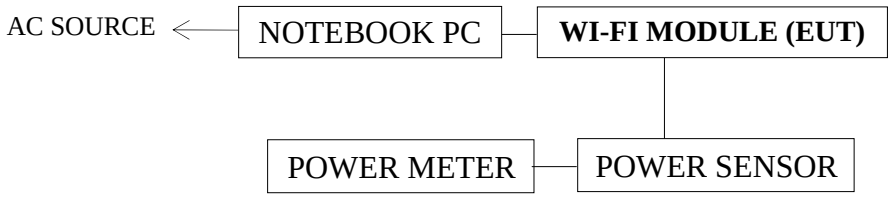
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Power Meter	Anritsu	ML2487A	6K00005406	Feb. 11, 10’	Feb. 10, 11’
2.	Power Sensor	Anritsu	MA2491A	030873	Feb. 11, 10’	Feb. 10, 11’

5.1.2. For 802.11n-HT40

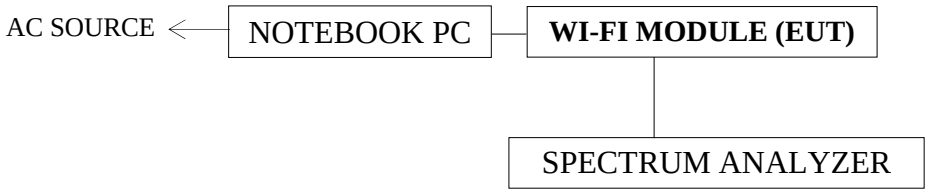
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 04, 10’	Aug. 03, 11’

5.2. Block Diagram of Test Setup

5.2.1. For 802.11b/802.11g/802.11a/802.11n-HT20



5.2.2. For 802.11n-HT40



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

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz & 5725-5850MHz is : 1Watt. (30dBm)

5.4. Operating Condition of EUT

The test program "Broadcom WL Command" was used to enable the EUT to transmit data at different channel frequency individually.

5.5. Test Procedure

5.5.1. For 802.11b/802.11g/802.11a/802.11n-HT20

The EUT connected to power meter and sensor and record the peak value.

5.5.2. For 802.11n-HT40

Setting the spectrum span to encompass the EBW, RBW=1MHz and VBW=3MHz. Compute power by integrating the spectrum across the 26 dB EBW of the signal.
The measurement guideline was according to KDB 558074.

5.6. Test Results

PASSED. All the test results are listed below.

(Test Date : Oct. 06, 2010 Temperature : 26℃ Humidity : 55%)
(Test Date : Nov. 03, 2010 Temperature : 24℃ Humidity : 57%)

5.6.1. For 802.11b/802.11g/802.11a

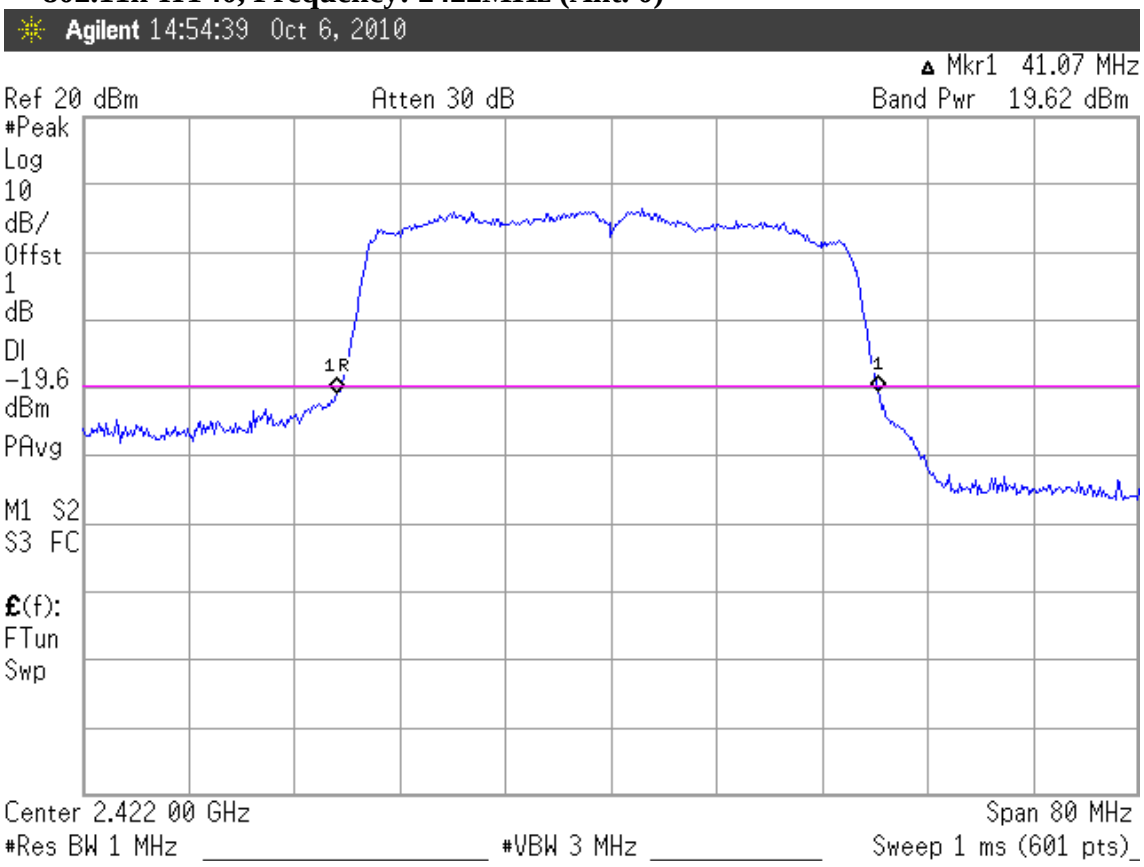
Mode	Type of Network	Channel	Frequency	**Peak Output Power (dBm)**	Power Setting
1.	802.11b	CH 1	2412MHz	**19.61**	64
2.		CH 6	2437MHz	**20.33**	68
3.		CH 11	2462MHz	**20.28**	68
4.	802.11g	CH 1	2412MHz	**22.31**	46
5.		CH 6	2437MHz	**24.22**	56
6.		CH 11	2462MHz	**24.04**	56
7.	802.11a	CH 149	5745MHz	**22.93**	56
8.		CH 157	5785MHz	**22.86**	56
9.		CH 165	5825MHz	**22.94**	56

[Limit: 1Watt. (30dBm)]

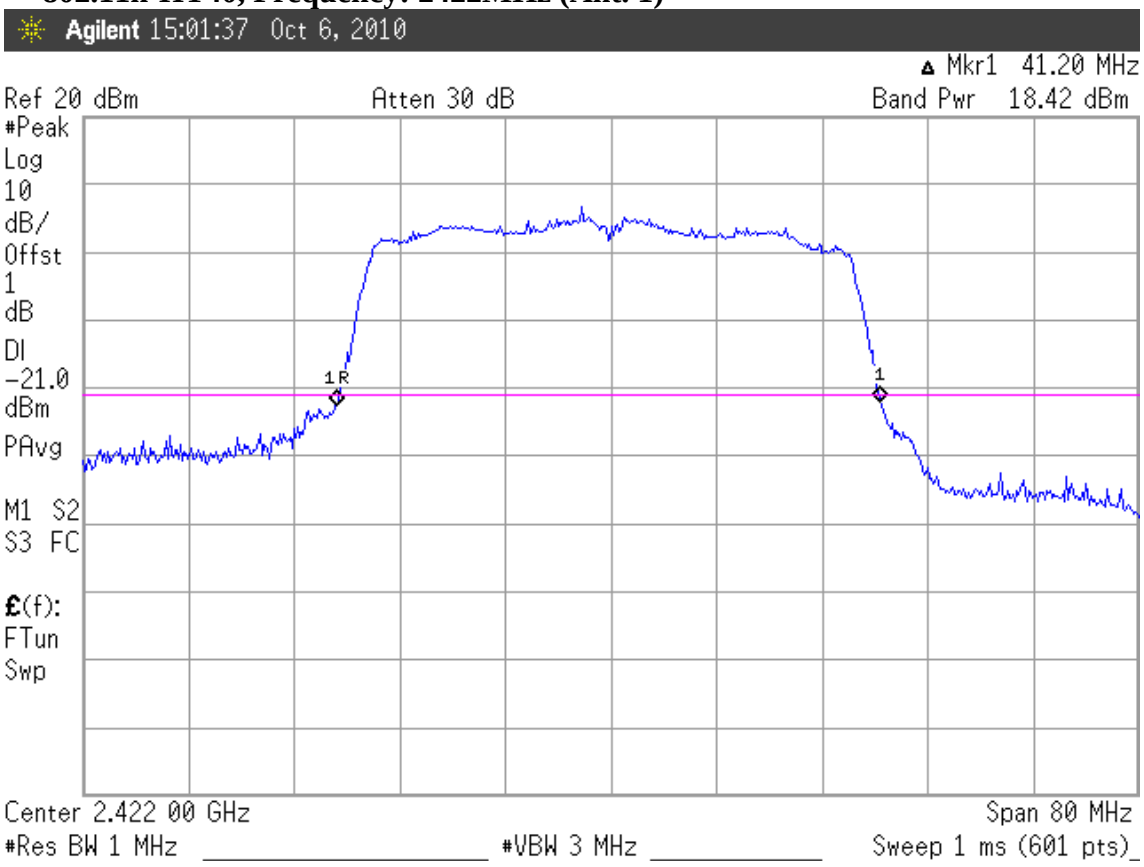
5.6.2. For 802.11n-HT20/802.11n-HT40

Mode	Type of Network	Channel	Frequency	**Peak output power Ant. 0 (dBm)**	**Peak output power Ant.1 (dBm)**	**Total Peak Output Power (dBm)**	Power Setting
1.	802.11n-HT20	CH 1	2412MHz	**21.34**	**20.97**	**24.17**	46
2.		CH 6	2437MHz	**23.87**	**23.38**	**26.64**	52
3.		CH 11	2462MHz	**22.69**	**23.18**	**25.95**	52
4.	802.11n-HT20	CH 149	5745MHz	**22.83**	**20.02**	**24.66**	52
5.		CH 157	5785MHz	**22.71**	**19.99**	**24.57**	52
6.		CH 165	5825MHz	**22.25**	**19.86**	**24.23**	52
7.	802.11n-HT40	CH 3	2422MHz	**19.62**	**18.42**	**22.07**	40
8.		CH 6	2437MHz	**20.80**	**21.55**	**24.20**	52
9.		CH 9	2452MHz	**20.64**	**21.43**	**24.06**	52
10.	802.11n-HT40	CH 151	5755MHz	**20.62**	**20.70**	**23.87**	52
11.		CH 159	5795MHz	**20.27**	**19.99**	**23.14**	52

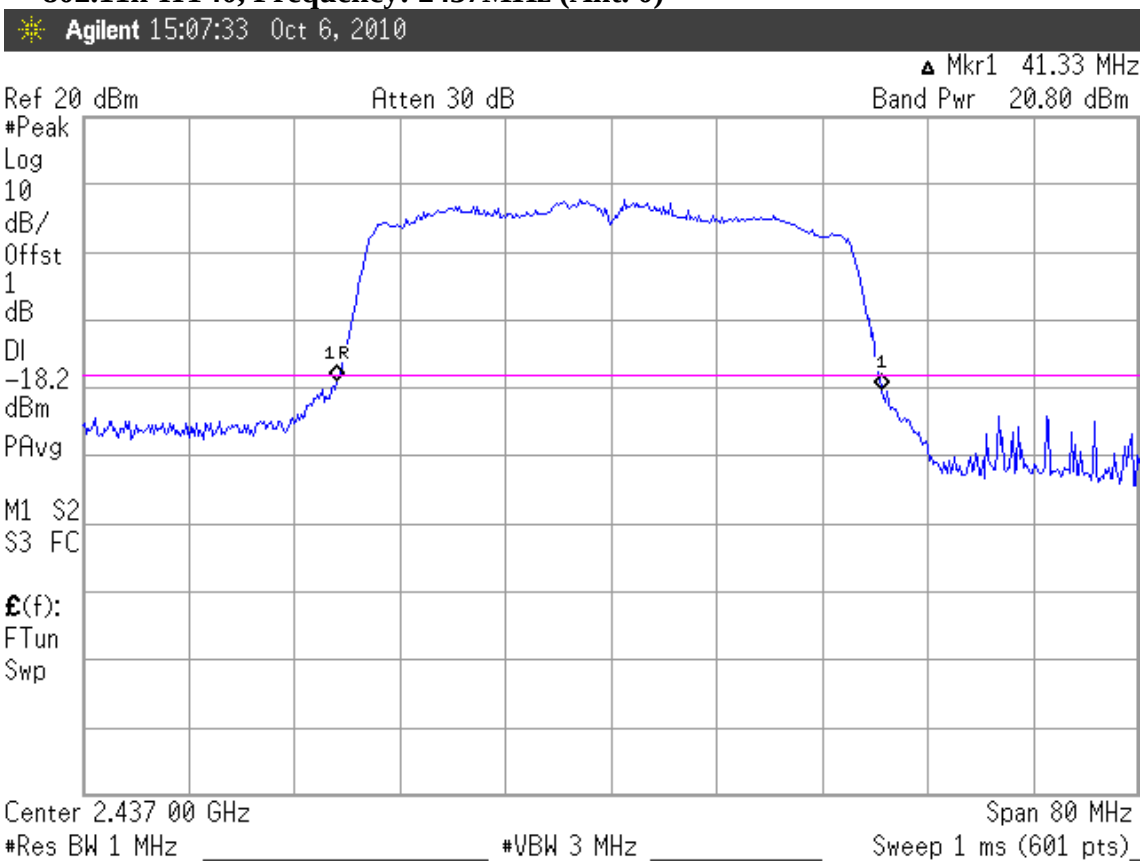
802.11n-HT40, Frequency: 2422MHz (Ant. 0)



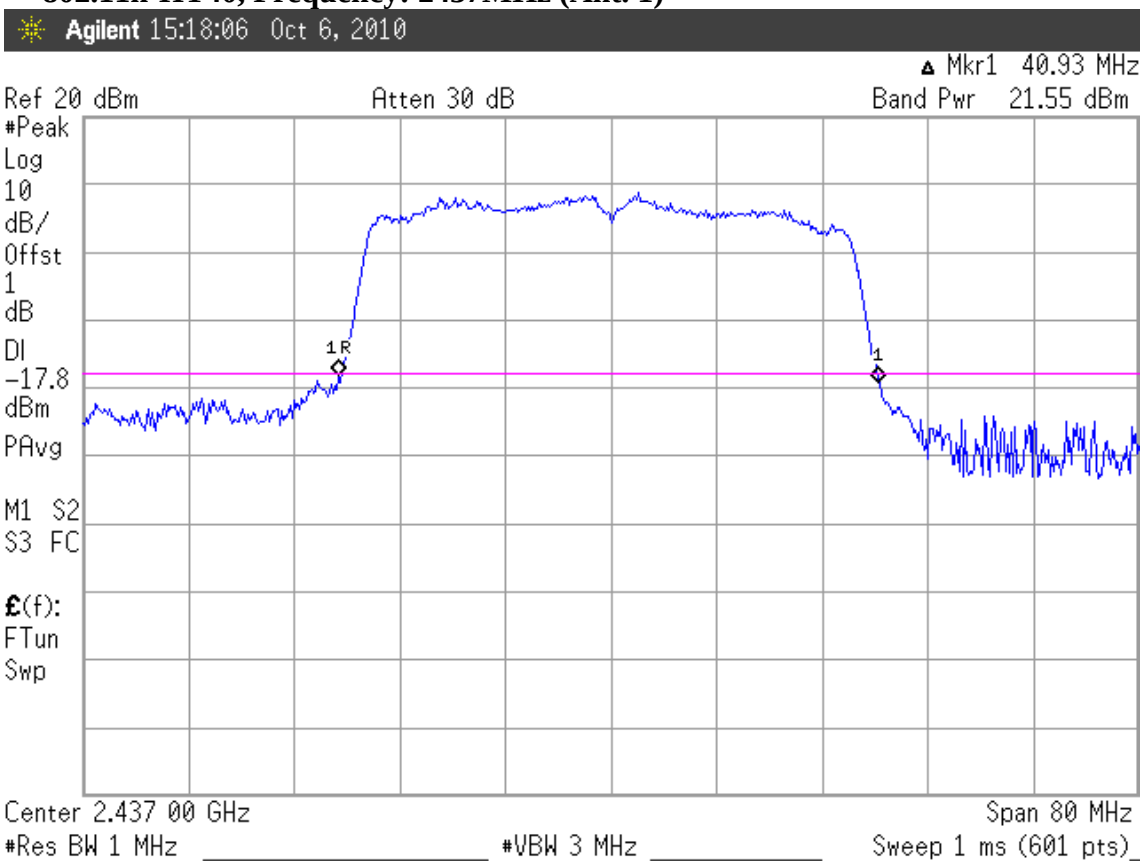
802.11n-HT40, Frequency: 2422MHz (Ant. 1)



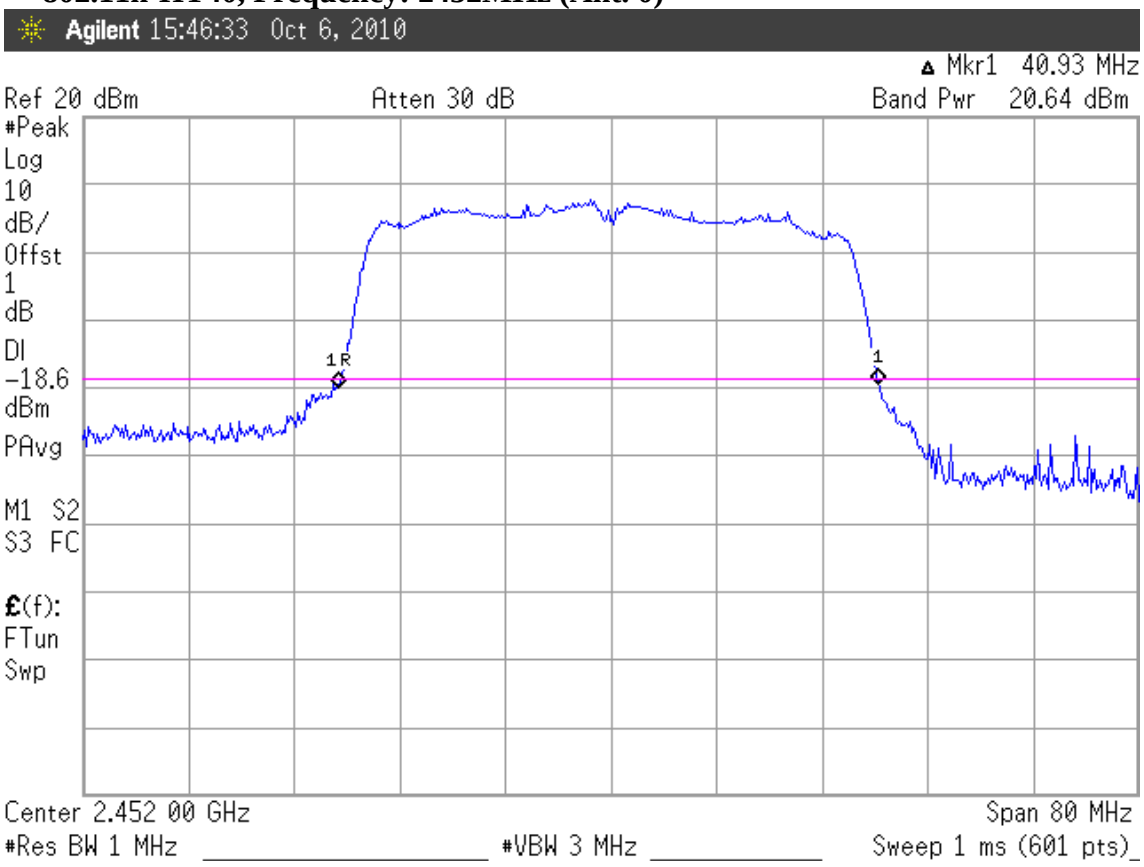
802.11n-HT40, Frequency: 2437MHz (Ant. 0)



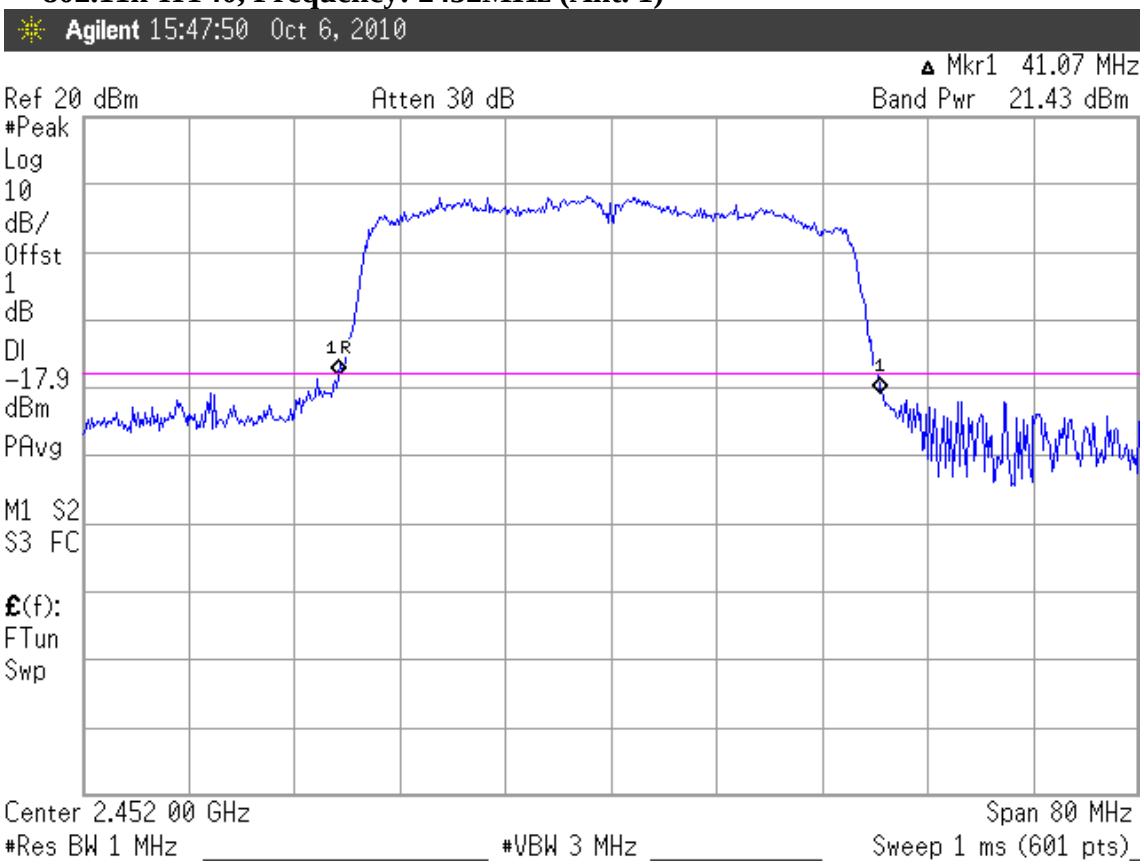
802.11n-HT40, Frequency: 2437MHz (Ant. 1)



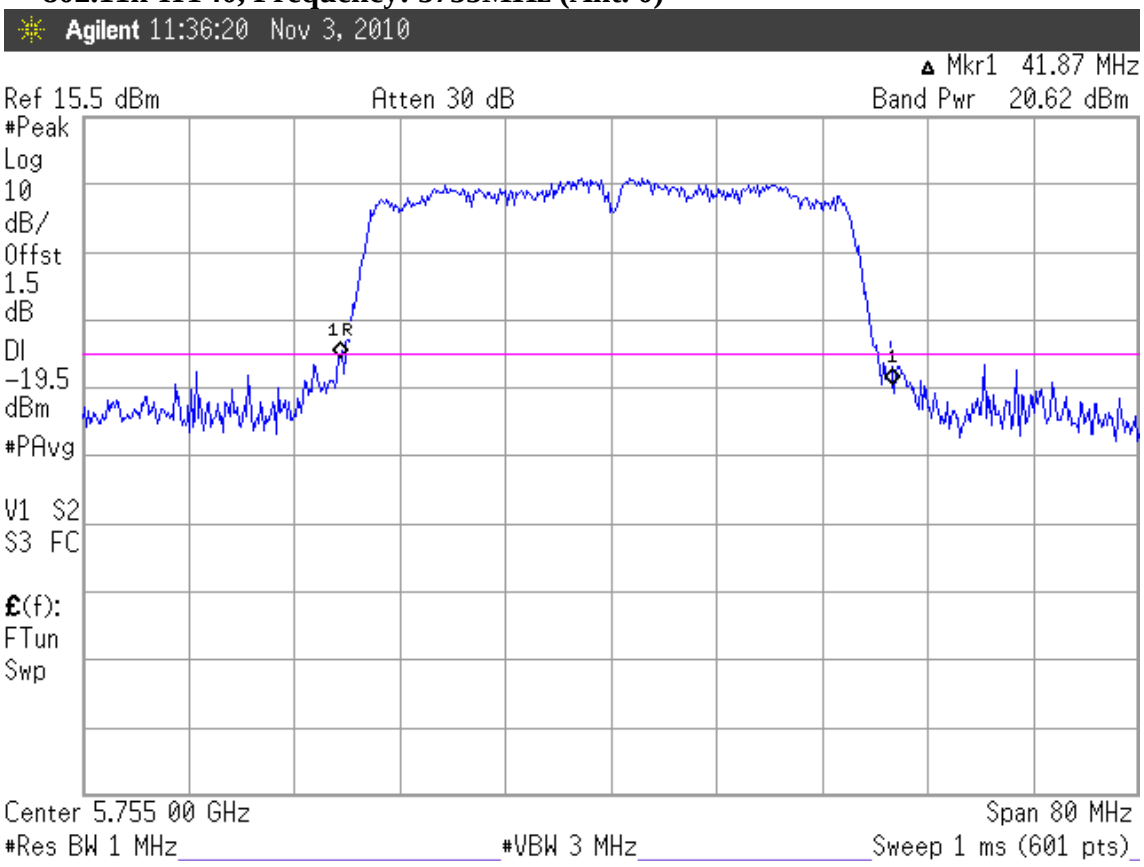
802.11n-HT40, Frequency: 2452MHz (Ant. 0)



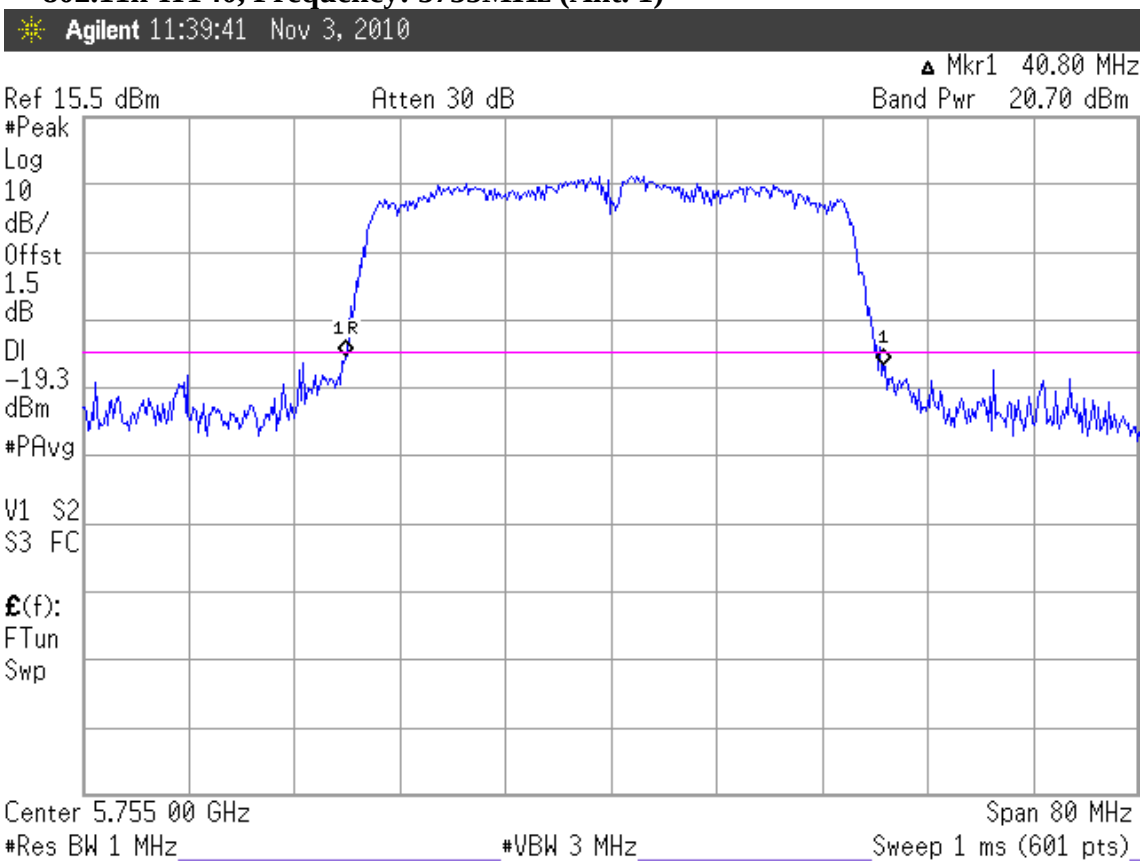
802.11n-HT40, Frequency: 2452MHz (Ant. 1)



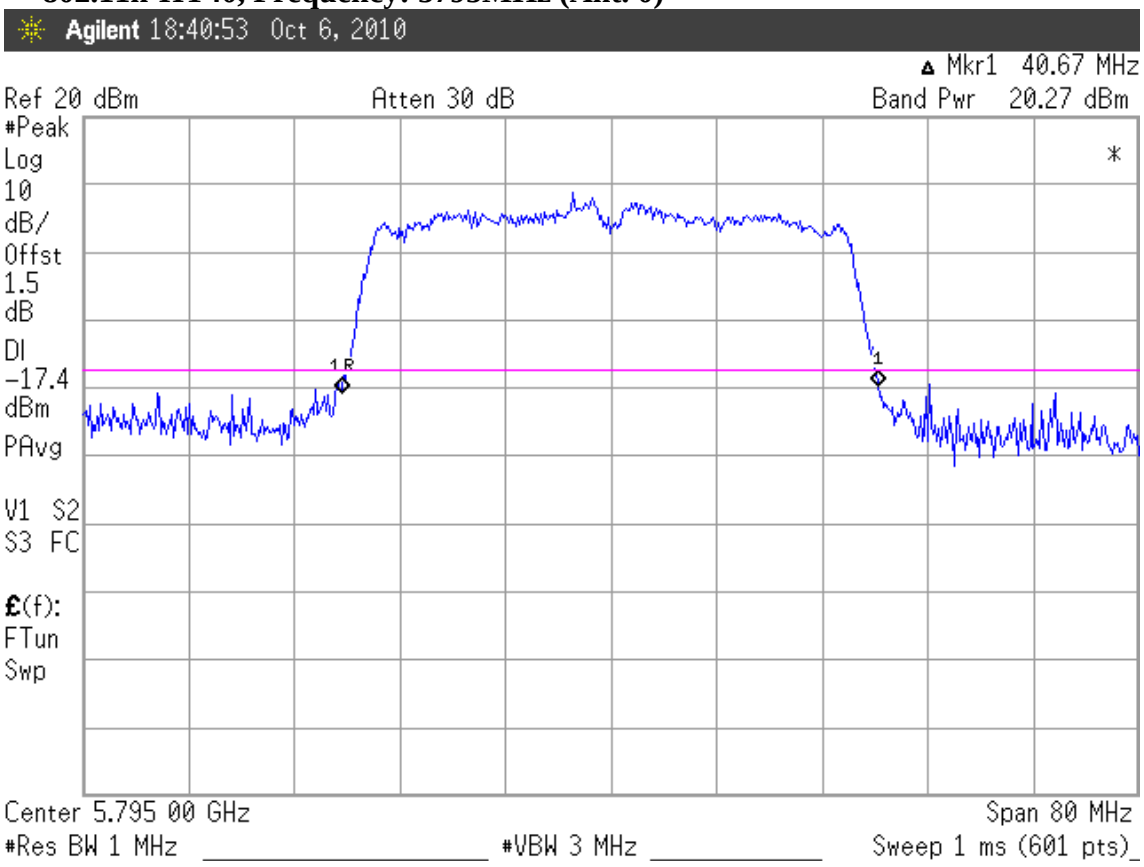
802.11n-HT40, Frequency: 5755MHz (Ant. 0)



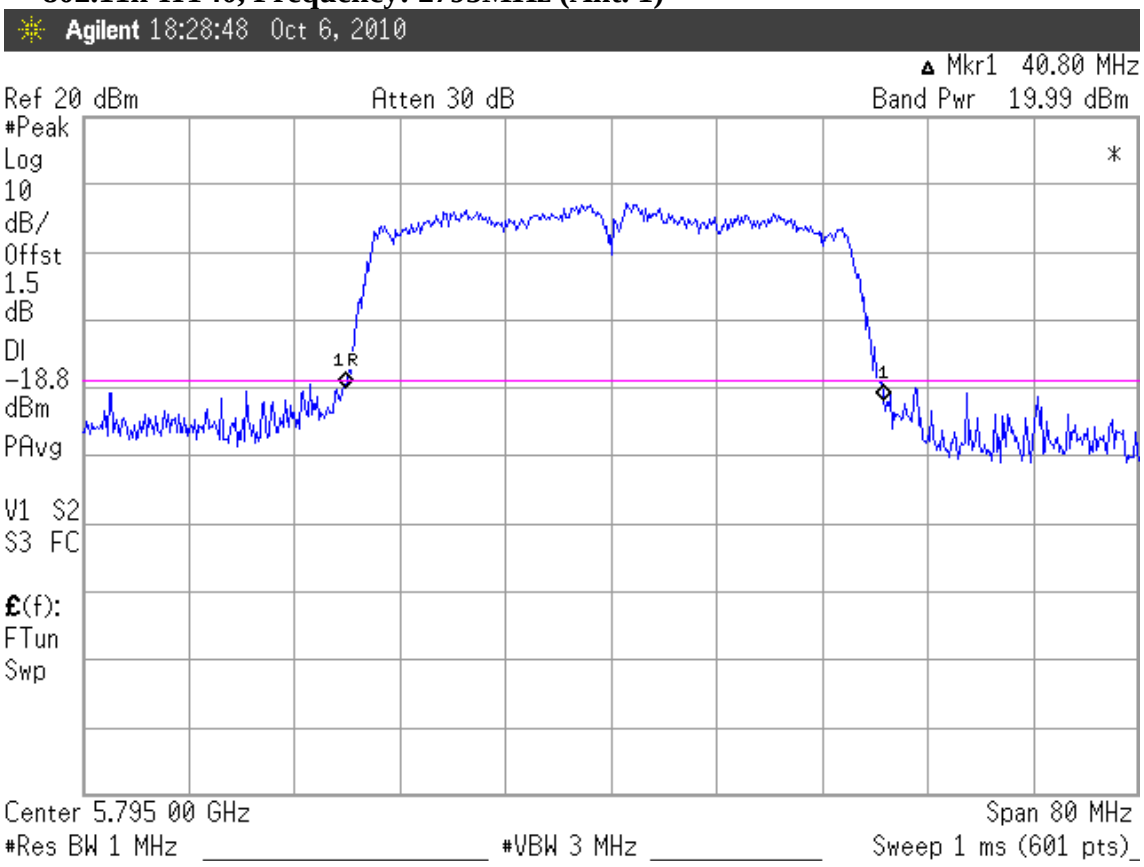
802.11n-HT40, Frequency: 5755MHz (Ant. 1)



802.11n-HT40, Frequency: 5795MHz (Ant. 0)



802.11n-HT40, Frequency: 2795MHz (Ant. 1)



6. BAND EDGES MEASUREMENT

6.1. 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’

6.2. Block Diagram of Test Setup

The same as section.4.2.

6.3. Specification Limits (§15.247(c))

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

6.4. Operating Condition of EUT

The test program “Broadcom WL Command” 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. 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.

6.6. Test Results

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

(Test Date : Oct. 06, 2010 Temperature : 26℃ Humidity : 55%)

802.11b
Below Band edge: The highest emission level is –37.43dBm on 2.39992GHz。
Upper Band edge : The highest emission level is –50.09dBm on 2.48363GHz。

802.11g
Below Band edge: The highest emission level is –36.89dBm on 2.39992GHz。
Upper Band edge : The highest emission level is –43.06dBm on 2.48363GHz。

802.11a
Below Band edge: The highest emission level is –41.35dBm on 5.72490GHz。
Upper Band edge : The highest emission level is –46.87dBm on 5.85013GHz。

802.11n-HT20(2.4GHz)
Below Band edge: The highest emission level is –37.33dBm on 2.39992GHz。
Upper Band edge : The highest emission level is –45.02dBm on 2.48363GHz。

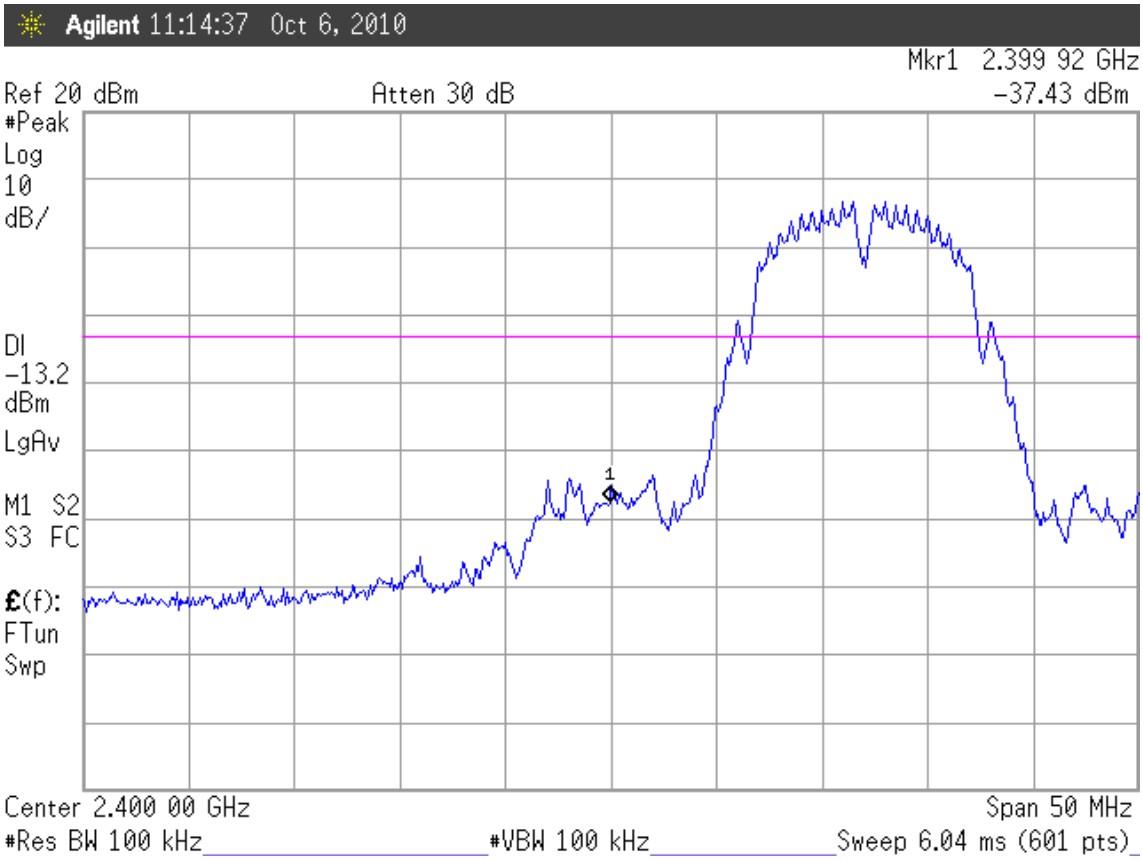
802.11n-HT20(5GHz)
Below Band edge: The highest emission level is –42.23dBm on 5.72490GHz。
Upper Band edge : The highest emission level is –46.03dBm on 5.85013GHz。

802.11n-HT40(2.4GHz)
Below Band edge: The highest emission level is –33.15dBm on 2.40000GHz。
Upper Band edge : The highest emission level is –45.12dBm on 2.48350GHz。

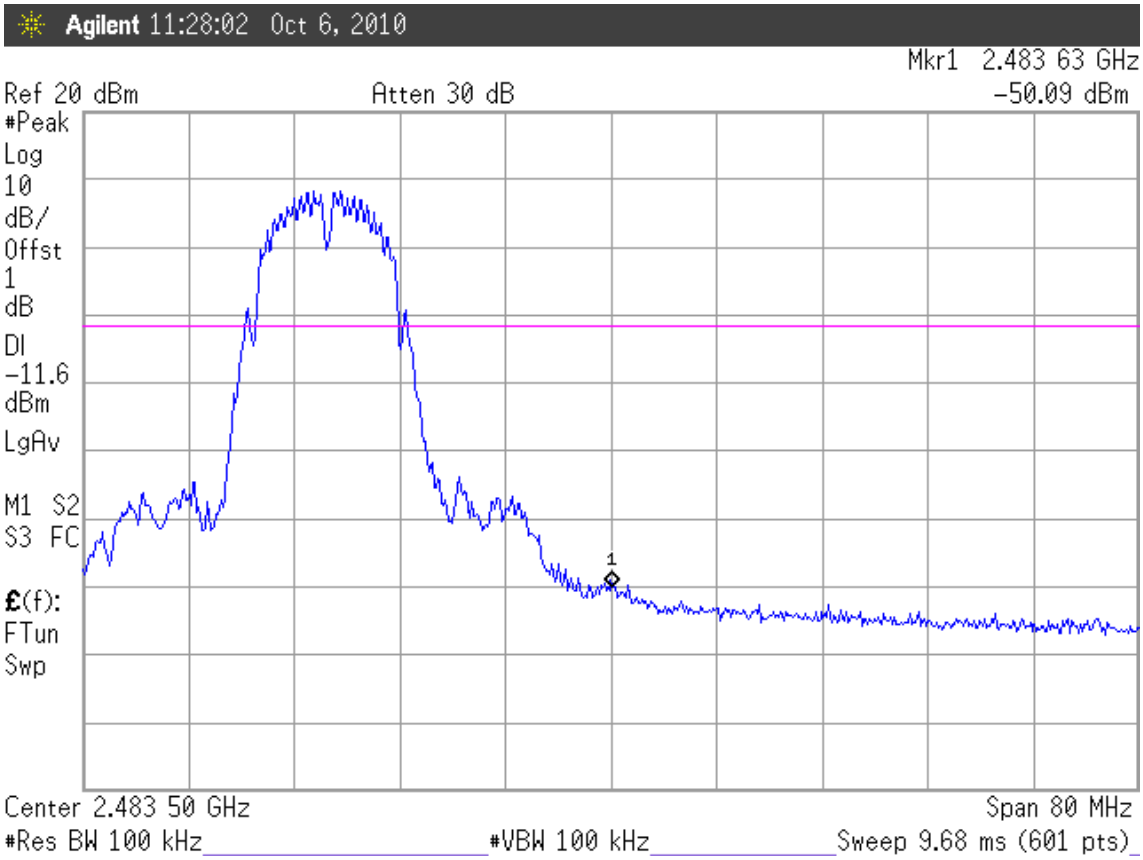
802.11n-HT40(5.0GHz)
Below Band edge: The highest emission level is –33.61dBm on 5.72483GHz。
Upper Band edge : The highest emission level is –52.13dBm on 5.85000GHz。

802.11b

Below Band edge

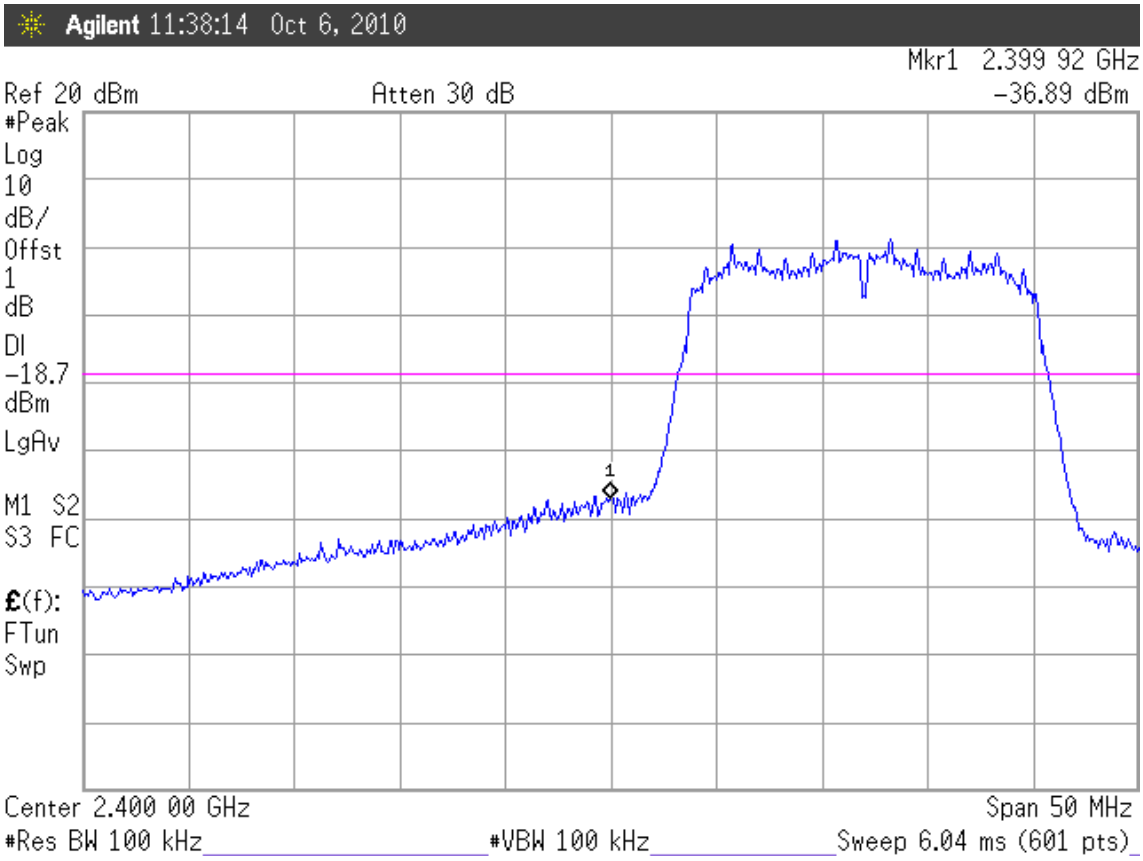


Upper Band edge

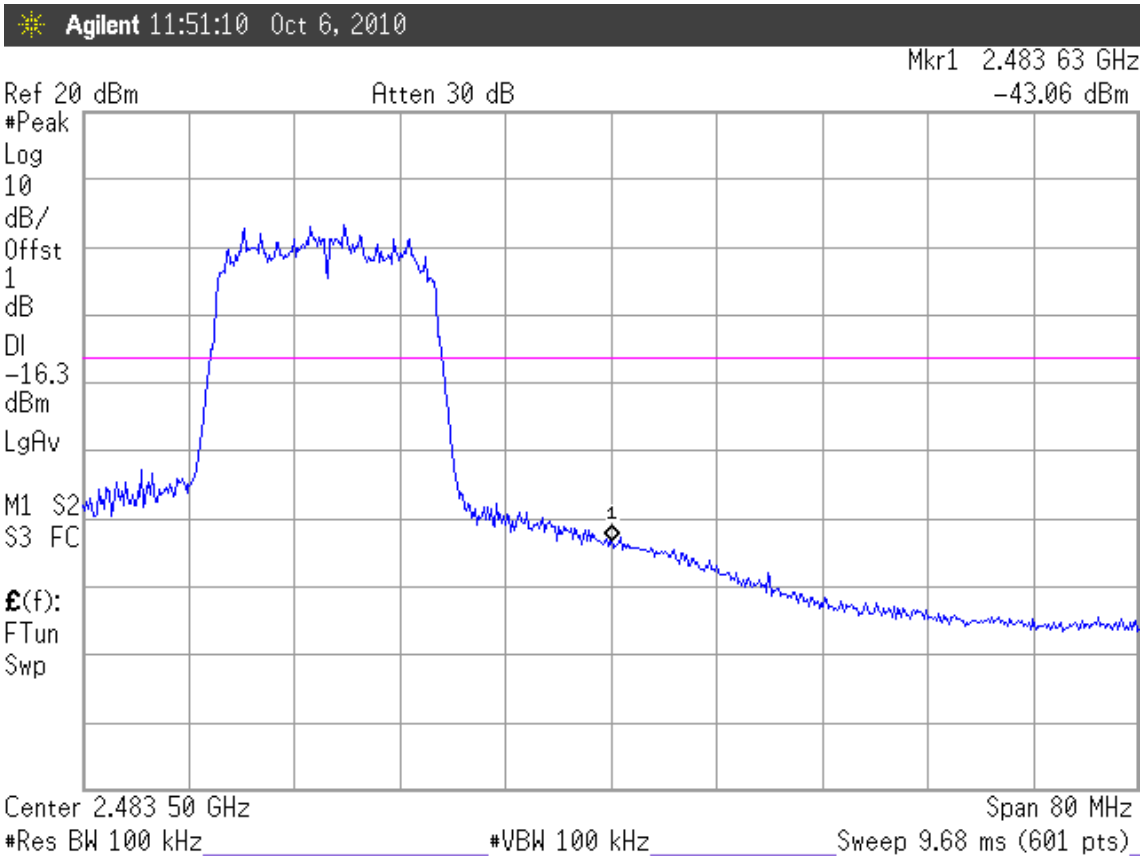


802.11g

Below Band edge

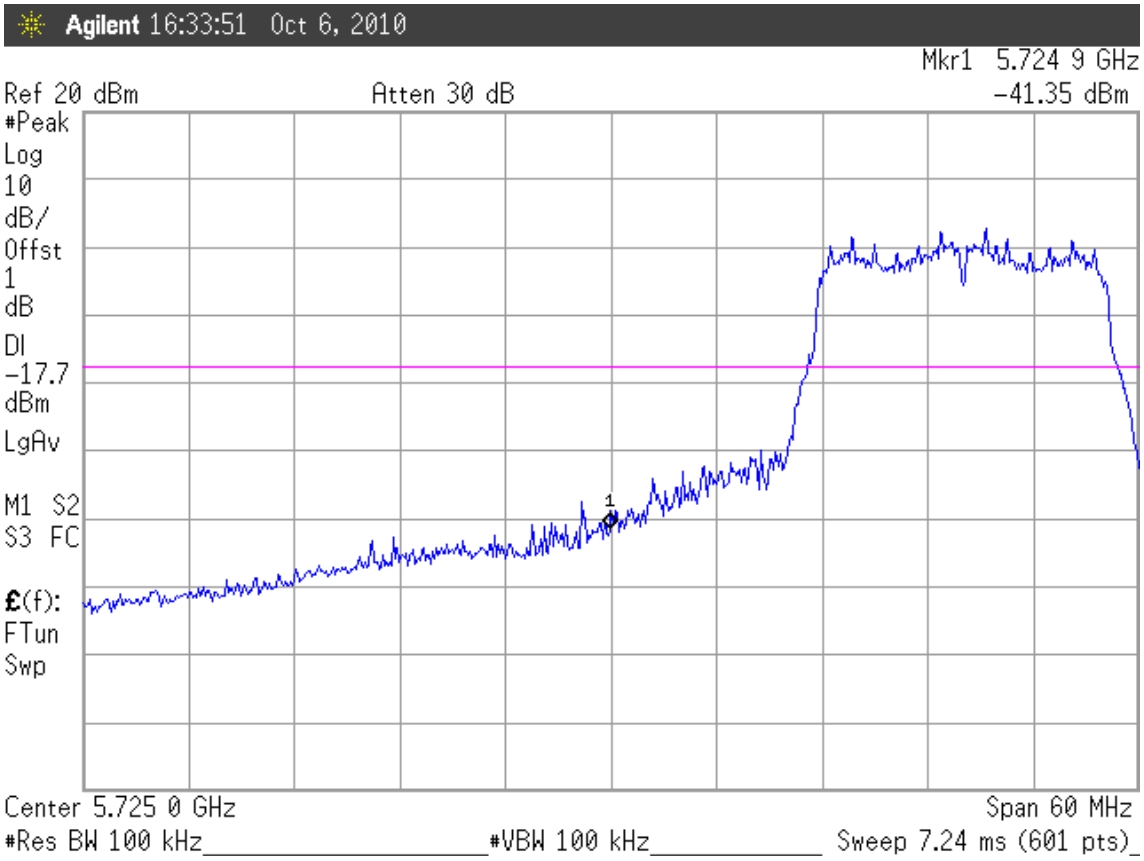


Upper Band edge

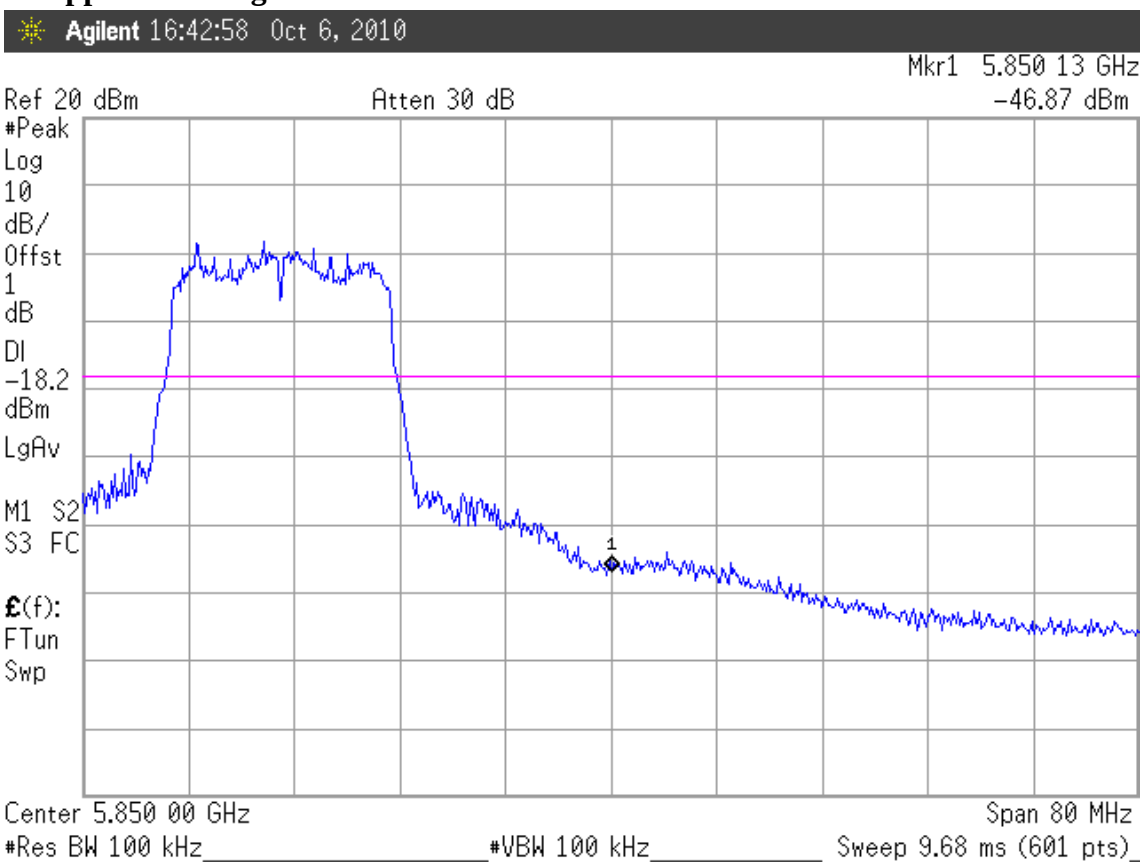


802.11a

Below Band edge

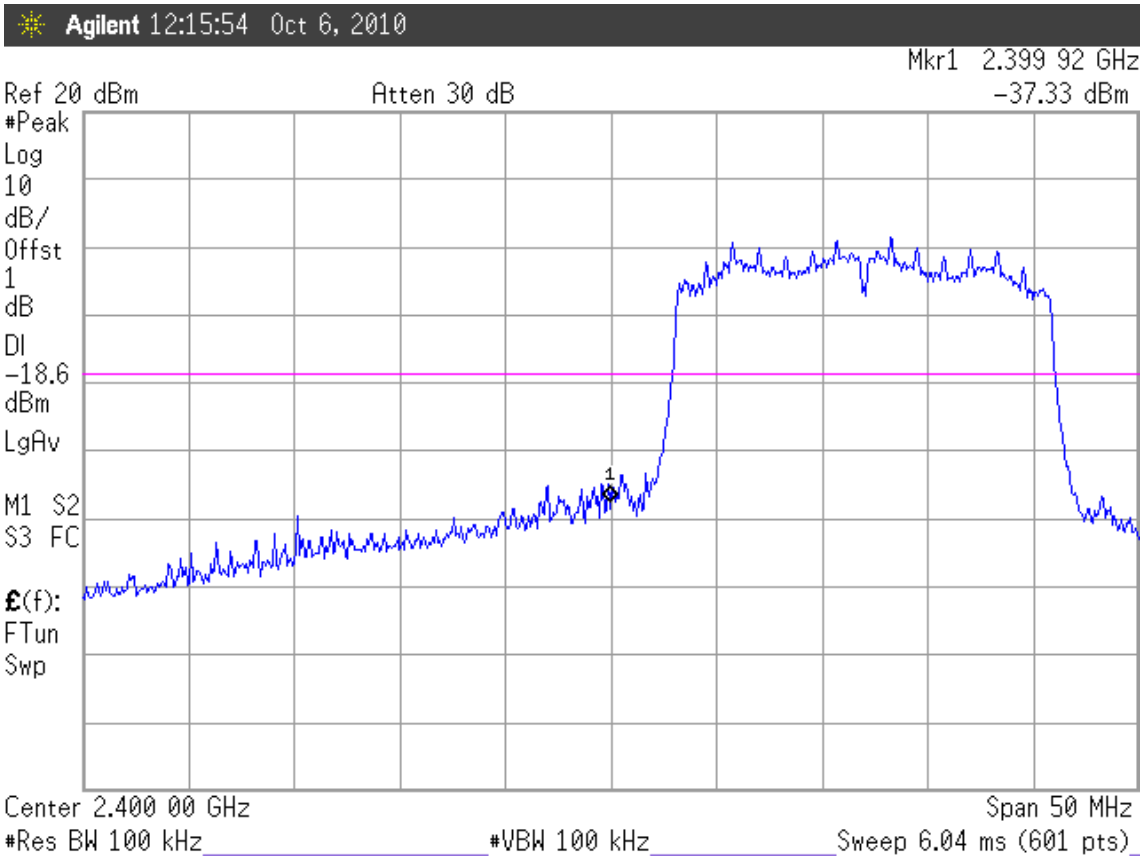


Upper Band edge

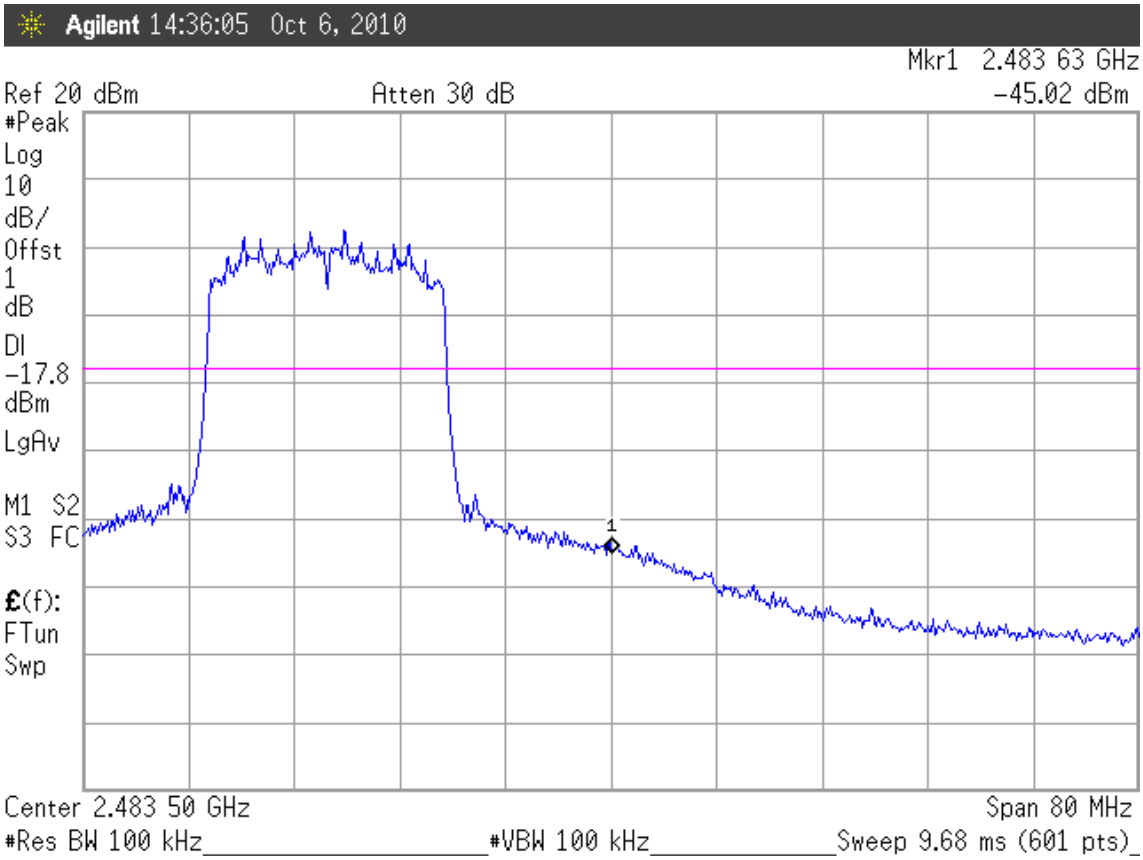


802.11n-HT20(2.4GHz)

Below Band edge

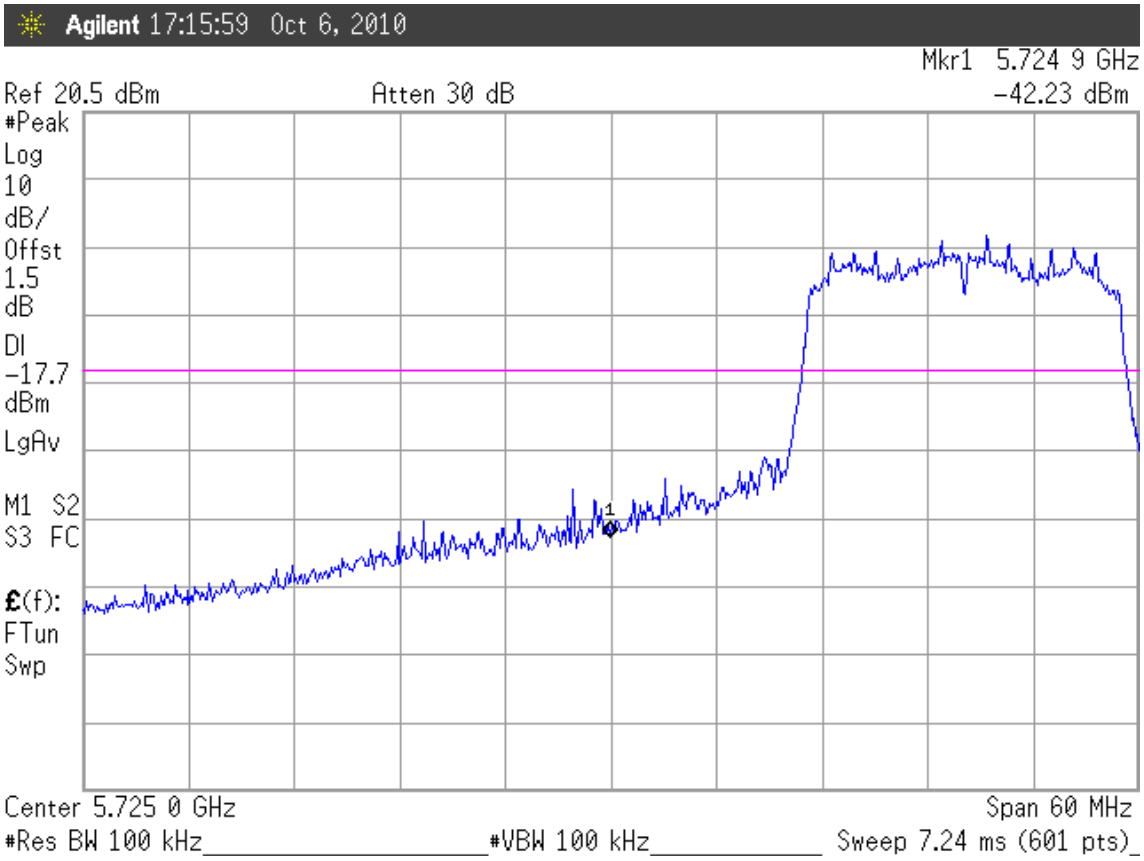


Upper Band edge

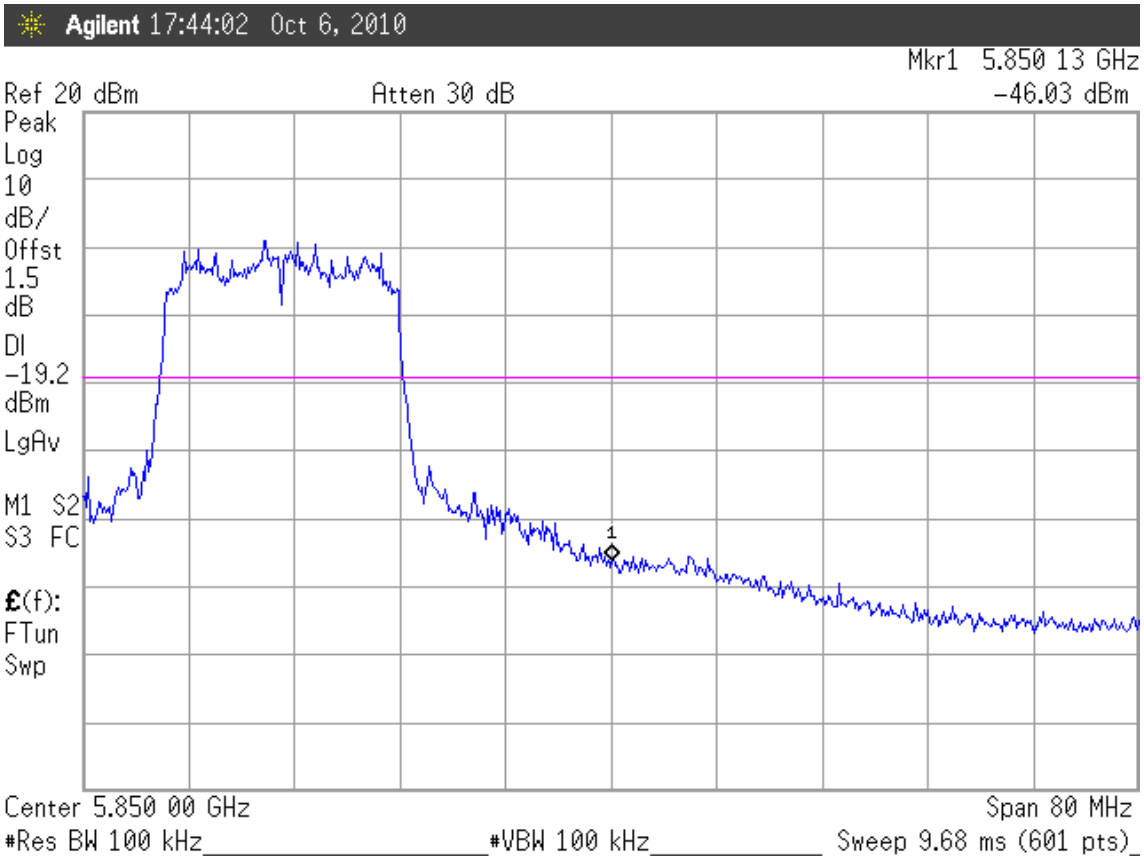


802.11n-HT20(5.0GHz)

Below Band edge

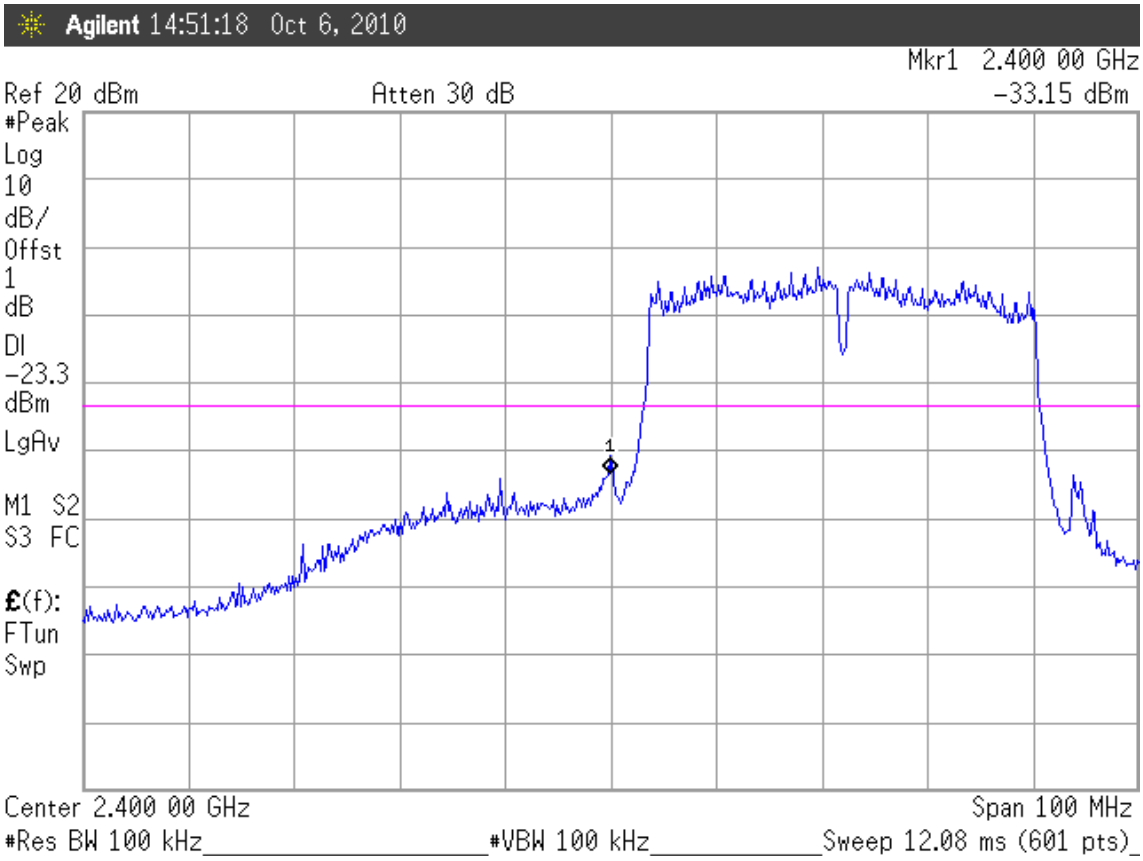


Upper Band edge

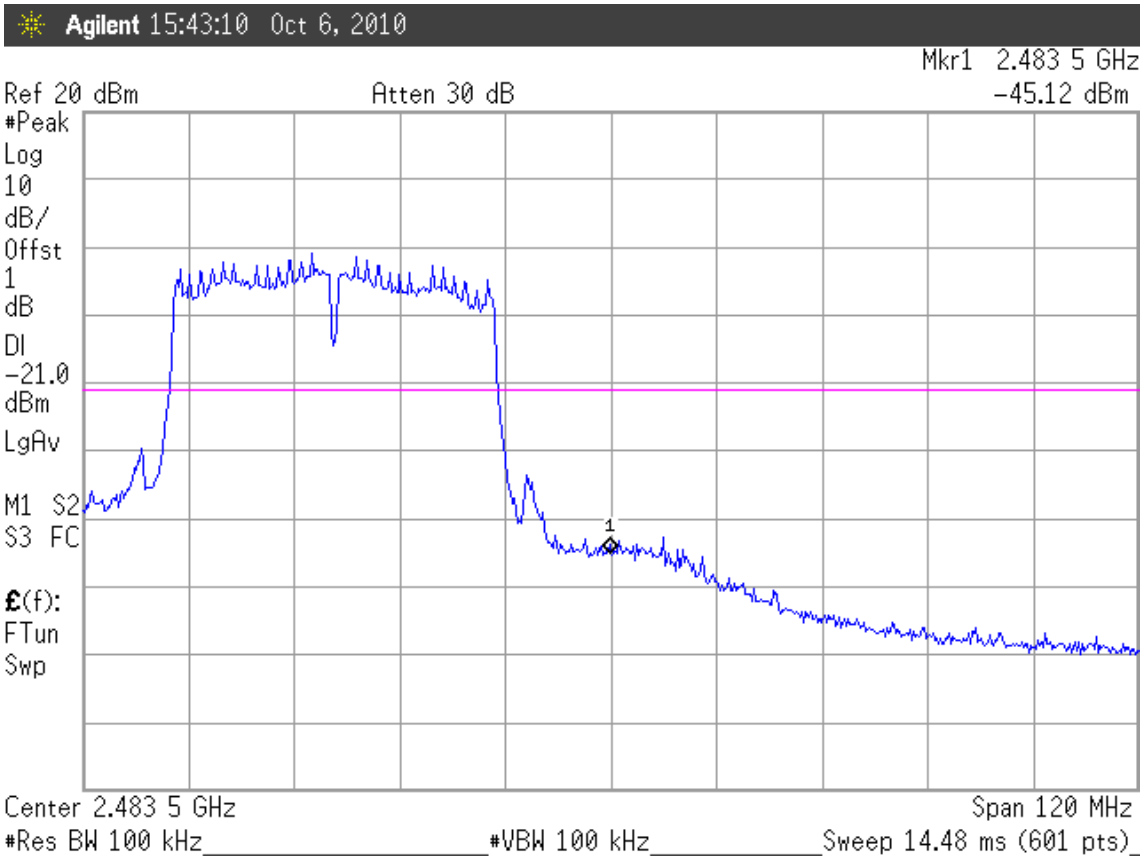


802.11n-HT40(2.4GHz)

Below Band edge

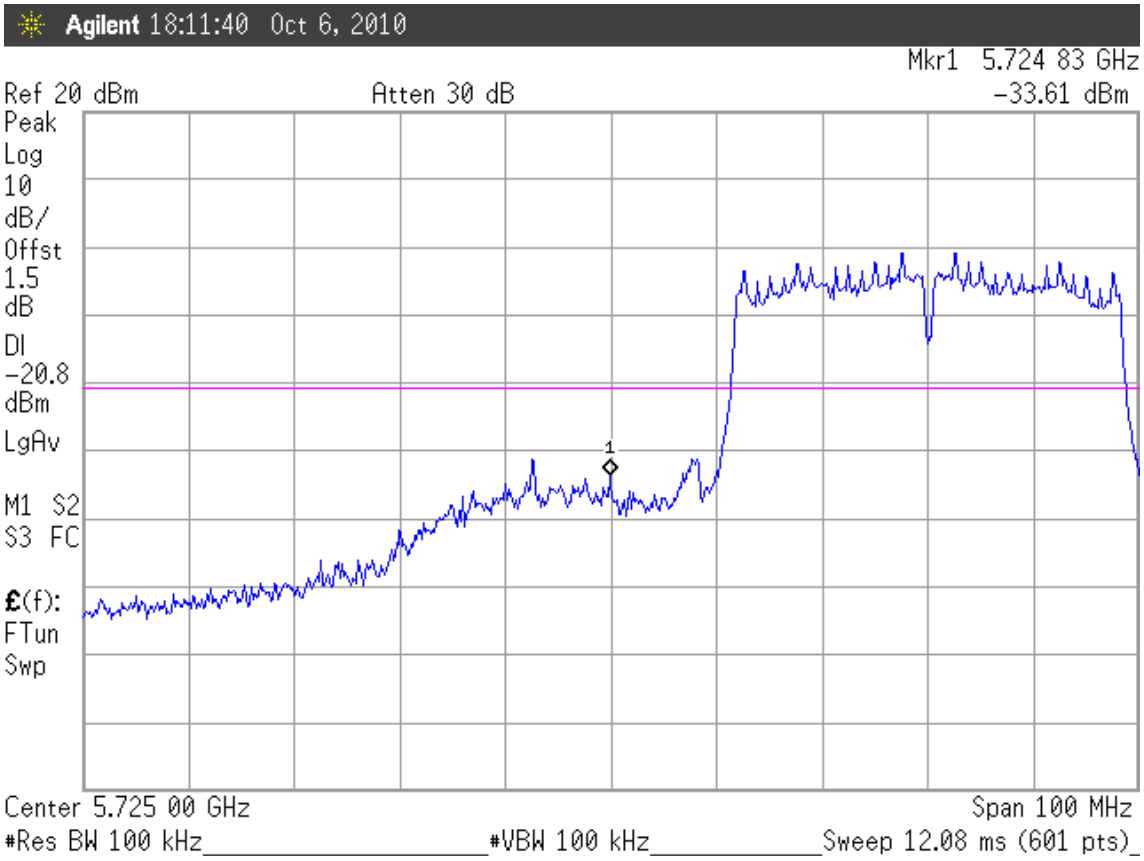


Upper Band edge

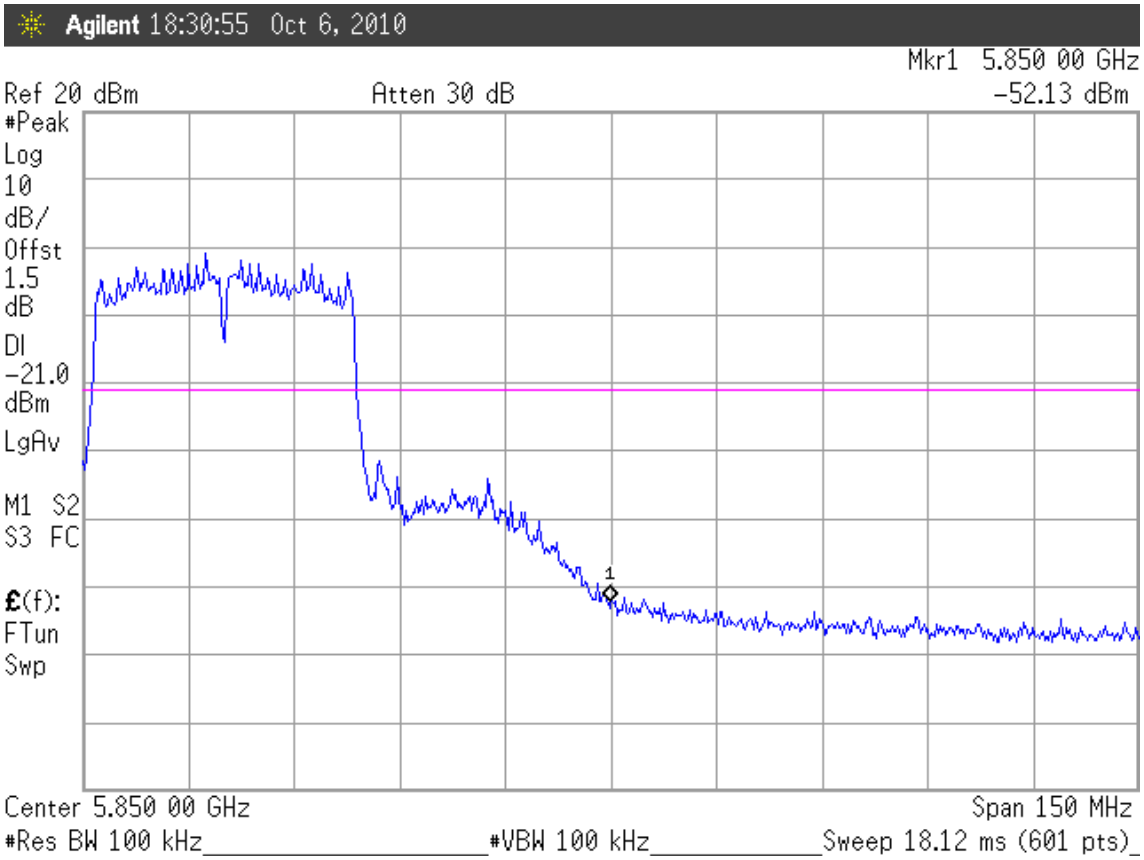


802.11n-HT40(5.0GHz)

Below Band edge



Upper Band edge



7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. 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’

7.2. Block Diagram of Test Setup

The same as section.4.2.

7.3. 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.

7.4. Operating Condition of EUT

The test program “Broadcom WL Command” 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. 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.

7.6. Test Results

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

(Test Date : Oct. 06, 2010 Temperature : 26℃ Humidity : 55%)
(Test Date : Oct. 13, 2010 Temperature : 25℃ Humidity : 54%)

7.6.1. For 802.11b/802.11g/802.11a

Mode	Type of Network	Channel	Frequency	**Power Spectral Density (dBm)**
1.	802.11b	CH 1	2412MHz	**-5.81**
2.		CH 6	2437MHz	**-5.37**
3.		CH 11	2462MHz	**-5.00**
4.	802.11g	CH 1	2412MHz	**-11.93**
5.		CH 6	2437MHz	**-9.69**
6.		CH 11	2462MHz	**-9.89**
7.	802.11a	CH 149	5745MHz	**-10.00**
8.		CH 157	5785MHz	**-10.33**
9.		CH 165	5825MHz	**-10.94**

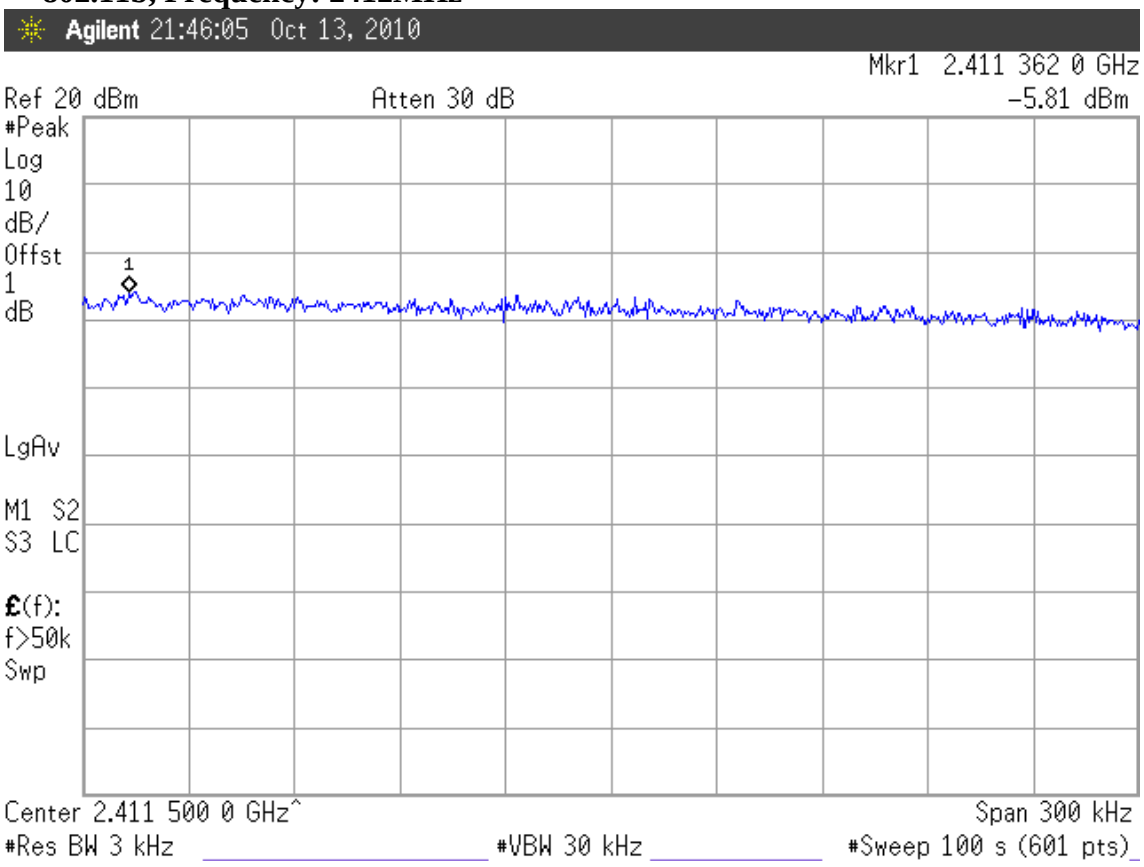
[Limit: 8dBm]

7.6.2. For 802.11n-HT20/802.11n-HT40

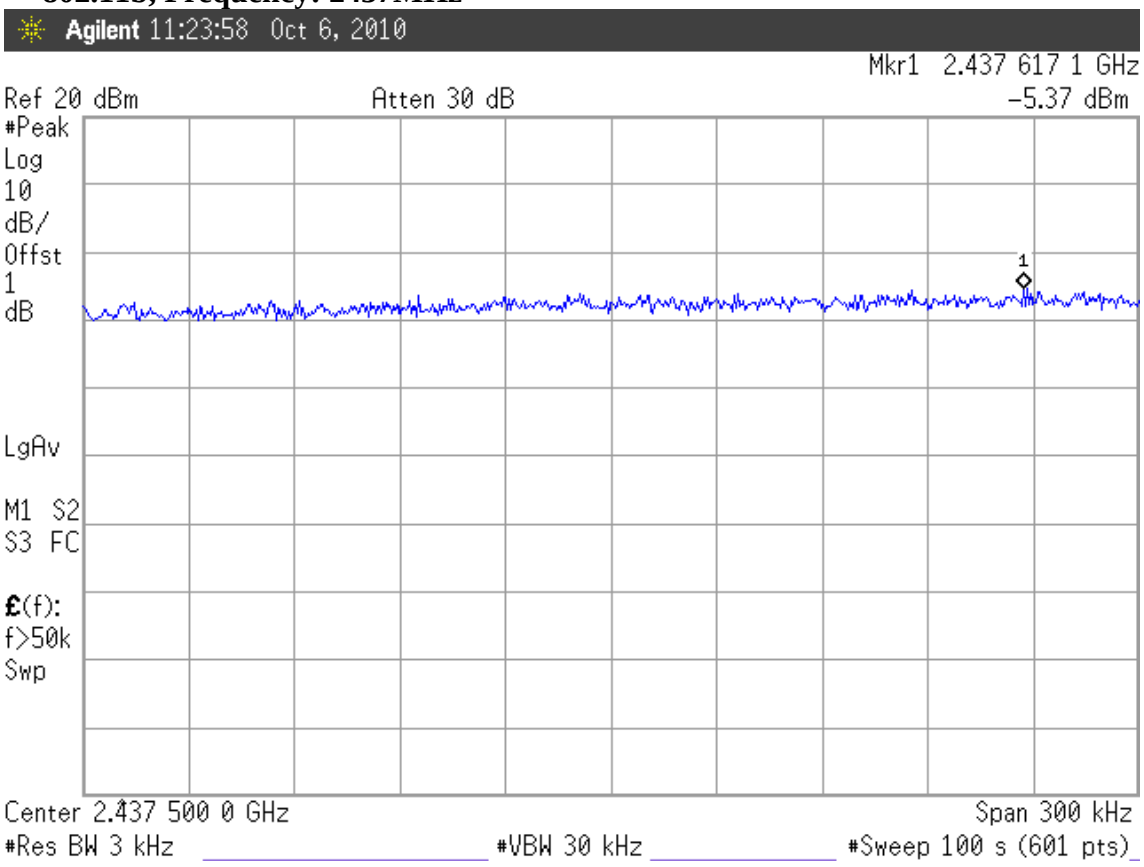
Mode	Type of Network	Channel	Frequency	**Power Density Ant. 0 (dBm)**	**Power Density Ant.1 (dBm)**	**Total Power Density (dBm)**
1.	802.11n-HT20	CH 1	2412MHz	**-12.23**	**-11.97**	**-9.09**
2.		CH 6	2437MHz	**-10.52**	**-11.12**	**-7.80**
3.		CH 11	2462MHz	**-10.78**	**-11.45**	**-8.09**
4.	802.11n-HT20	CH 149	5745MHz	**-11.09**	**-11.62**	**-8.34**
5.		CH 157	5785MHz	**-10.96**	**-11.59**	**-8.25**
6.		CH 165	5825MHz	**-11.29**	**-11.22**	**-8.24**
7.	802.11n-HT40	CH 3	2422MHz	**-16.66**	**-16.61**	**-13.62**
8.		CH 6	2437MHz	**-14.35**	**-14.38**	**-11.35**
9.		CH 9	2452MHz	**-14.97**	**-14.23**	**-11.57**
10.	802.11n-HT40	CH 151	5755MHz	**-14.02**	**-15.49**	**-11.68**
11.		CH 159	5795MHz	**-14.17**	**-14.50**	**-11.32**

[Limit: 8dBm]

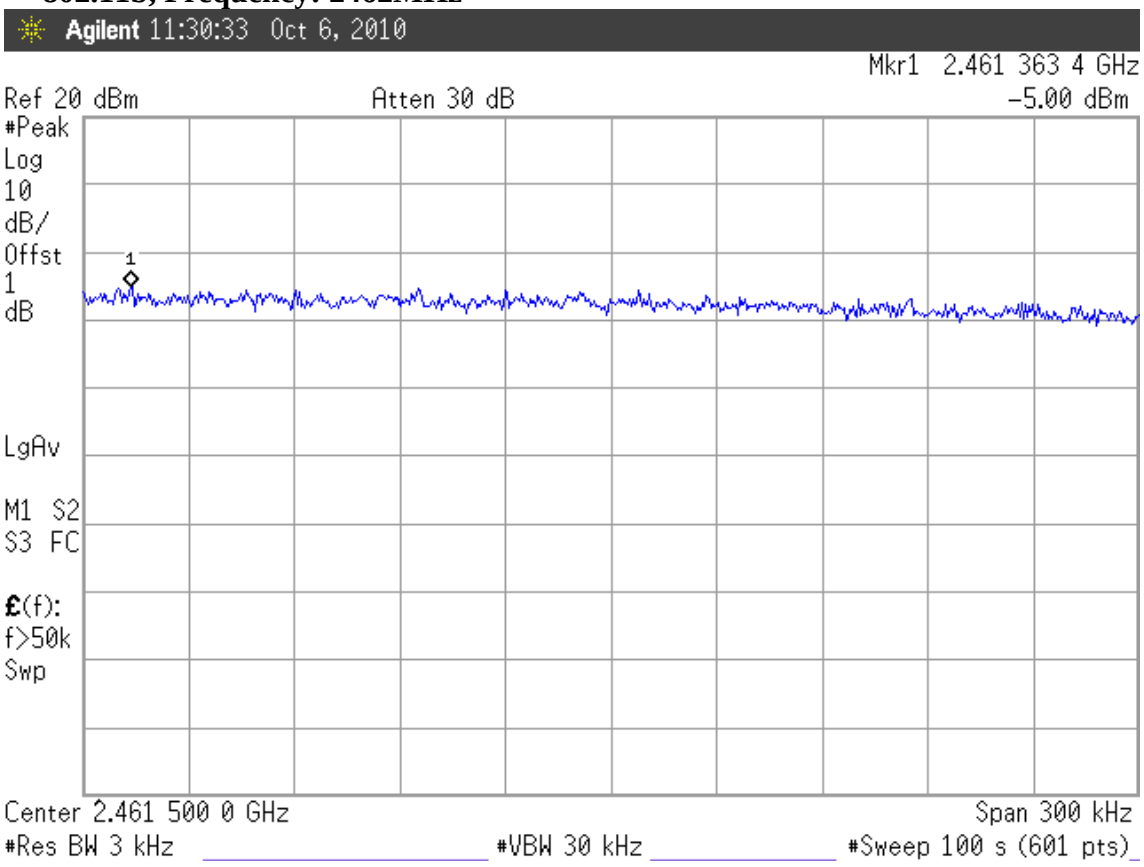
802.11b, Frequency: 2412MHz



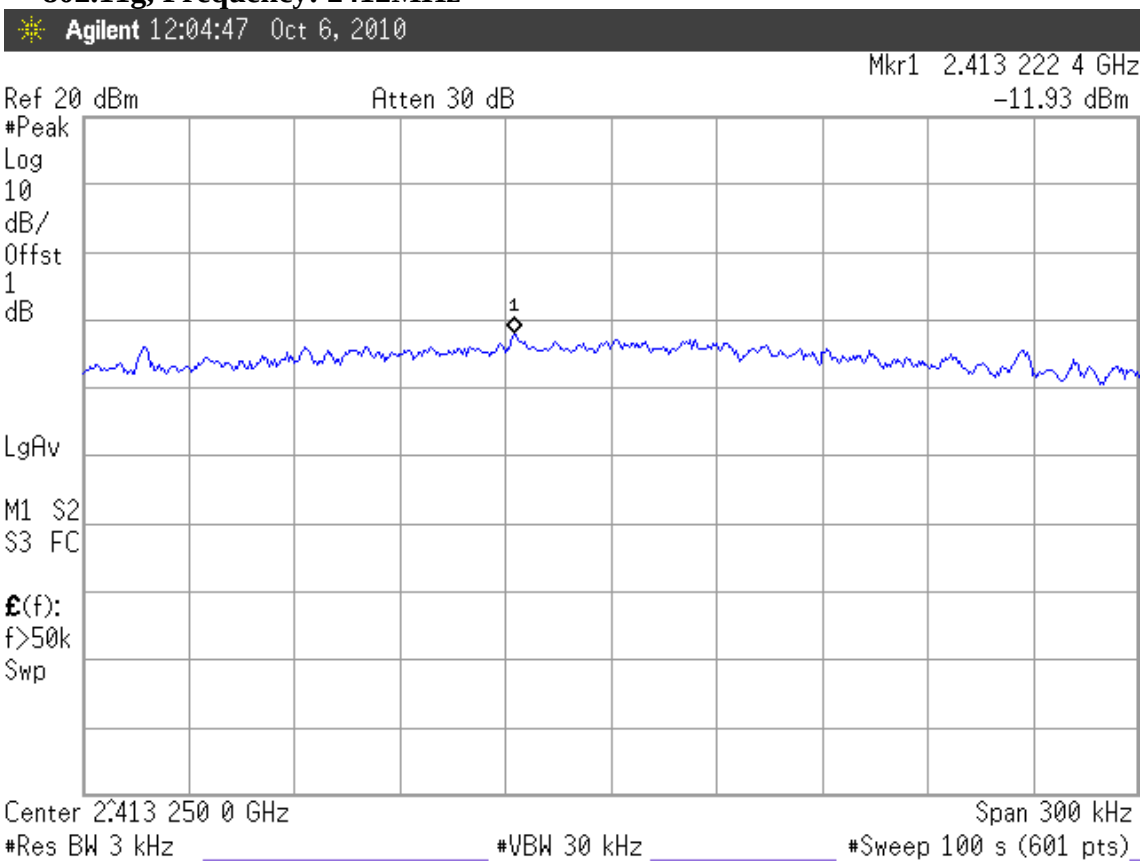
802.11b, Frequency: 2437MHz



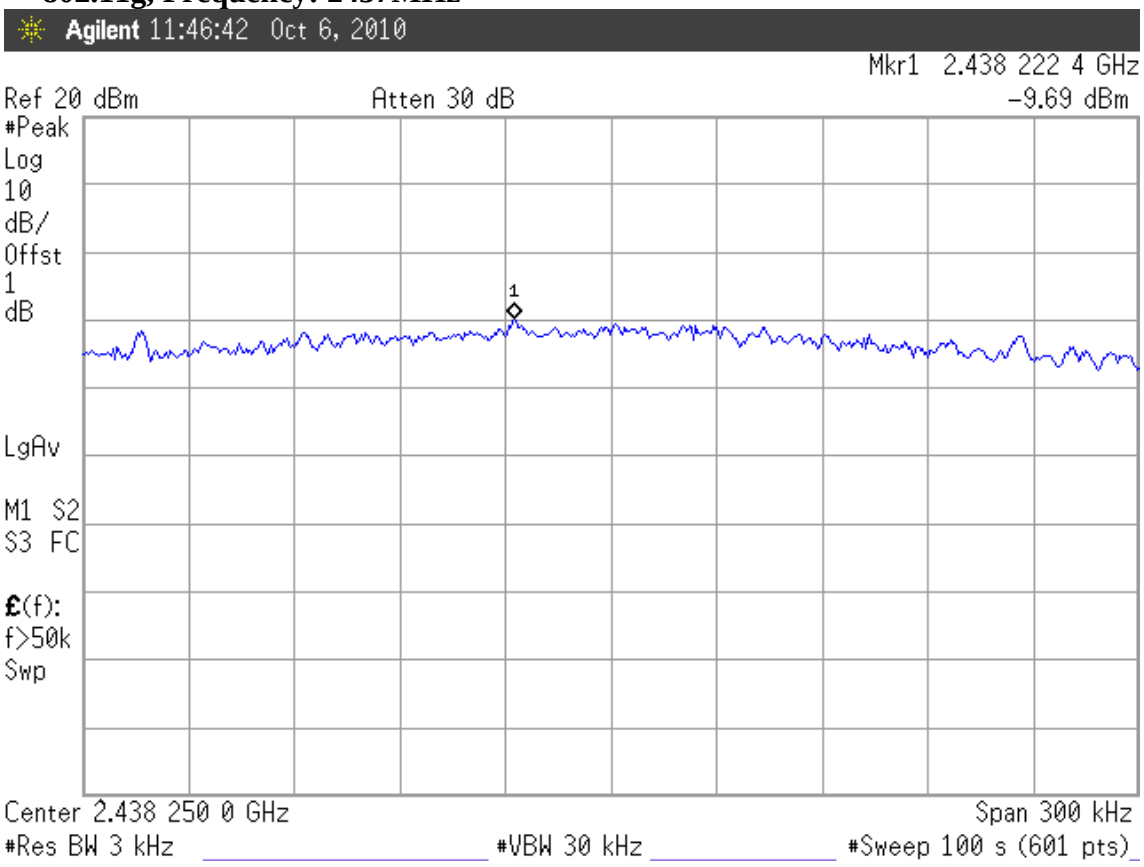
802.11b, Frequency: 2462MHz



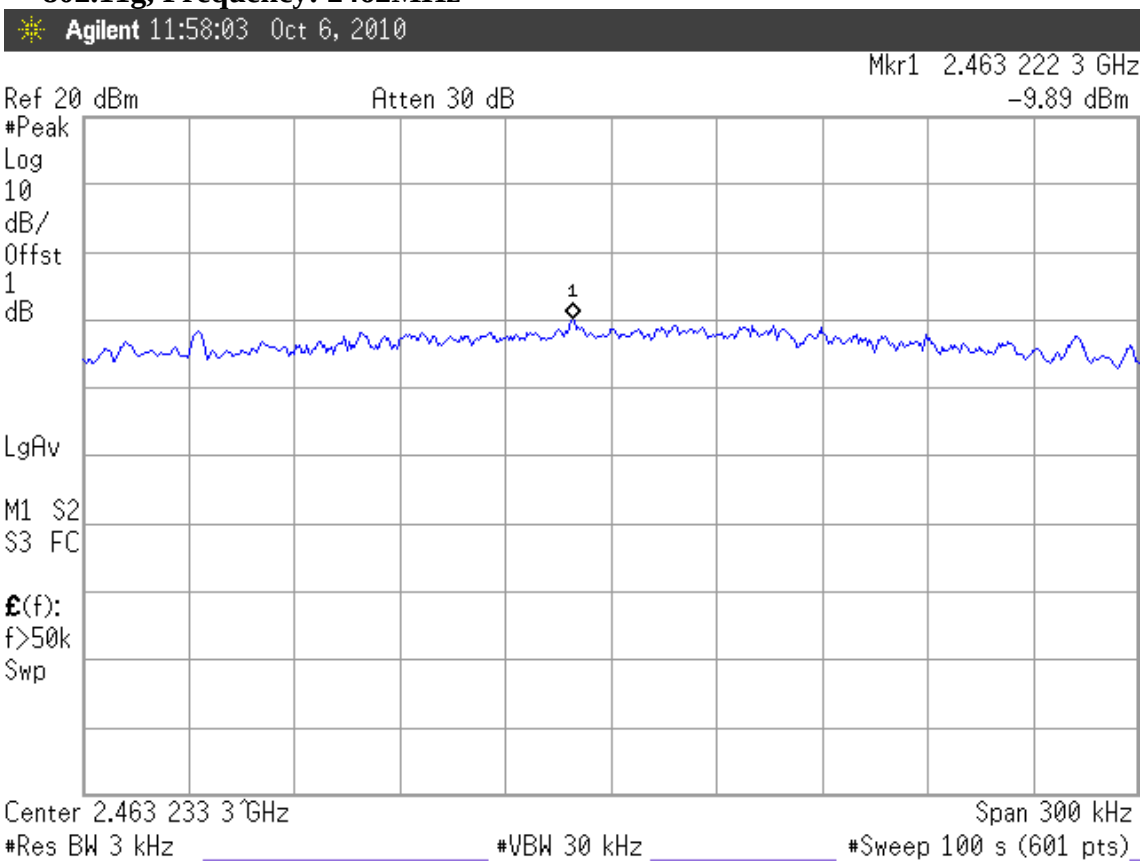
802.11g, Frequency: 2412MHz



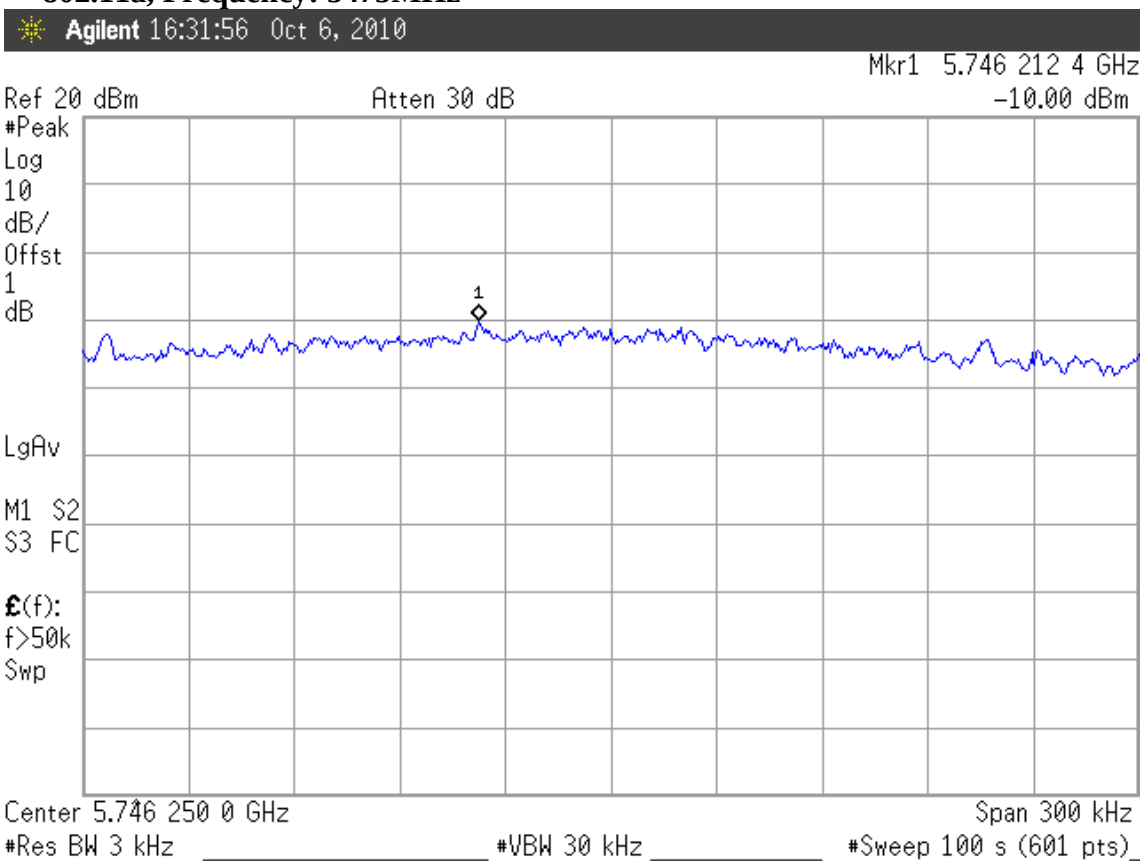
802.11g, Frequency: 2437MHz



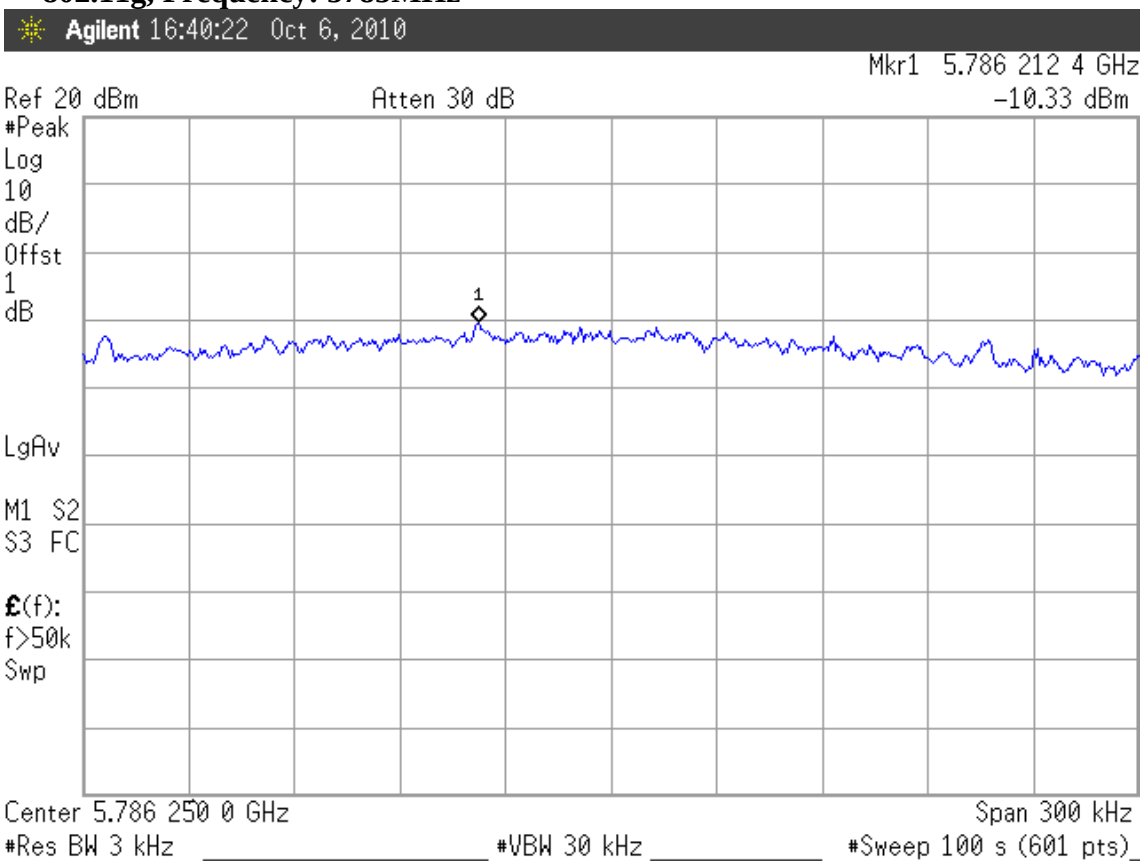
802.11g, Frequency: 2462MHz



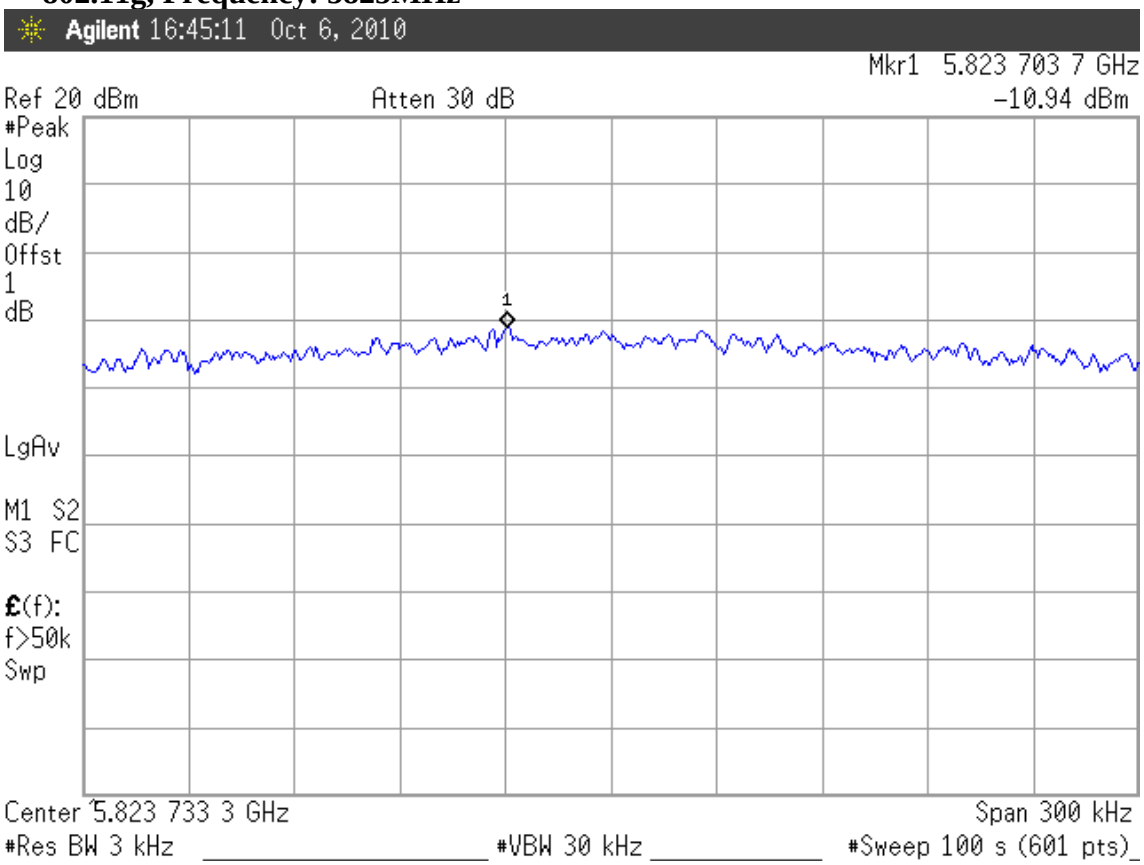
802.11a, Frequency: 5475MHz



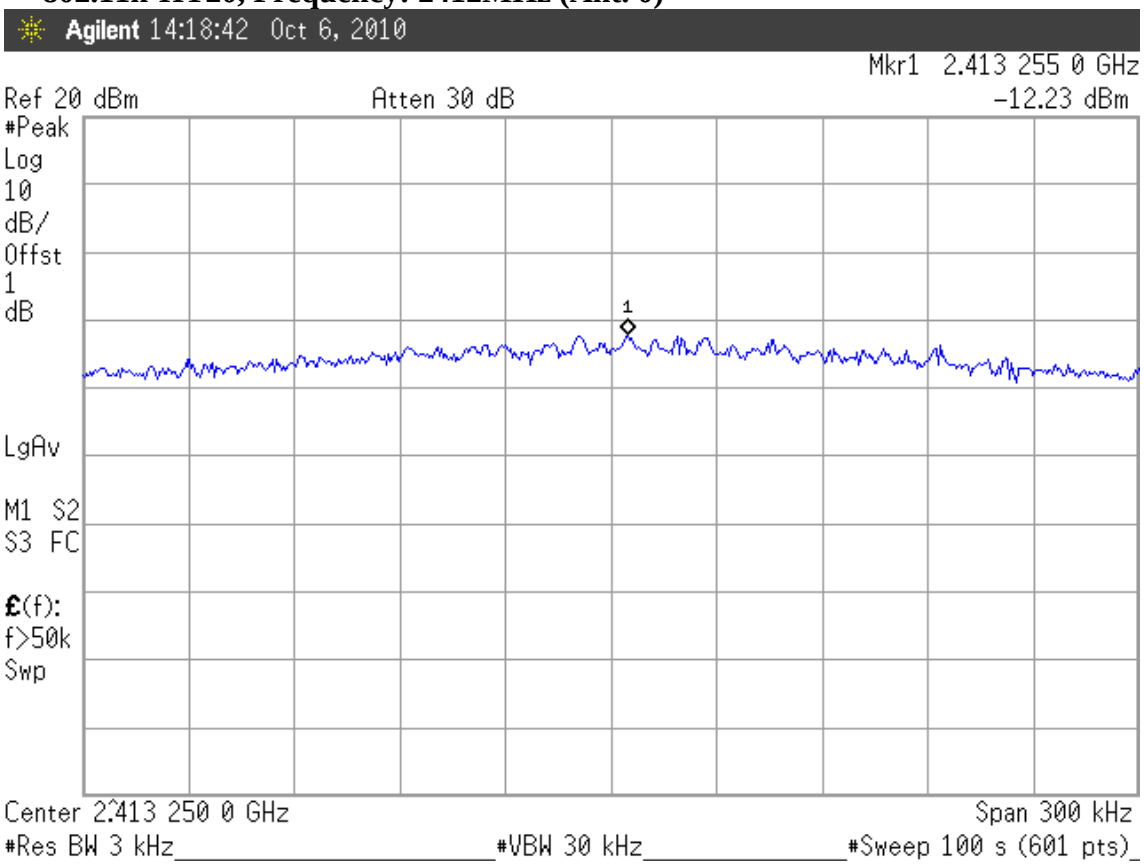
802.11g, Frequency: 5785MHz



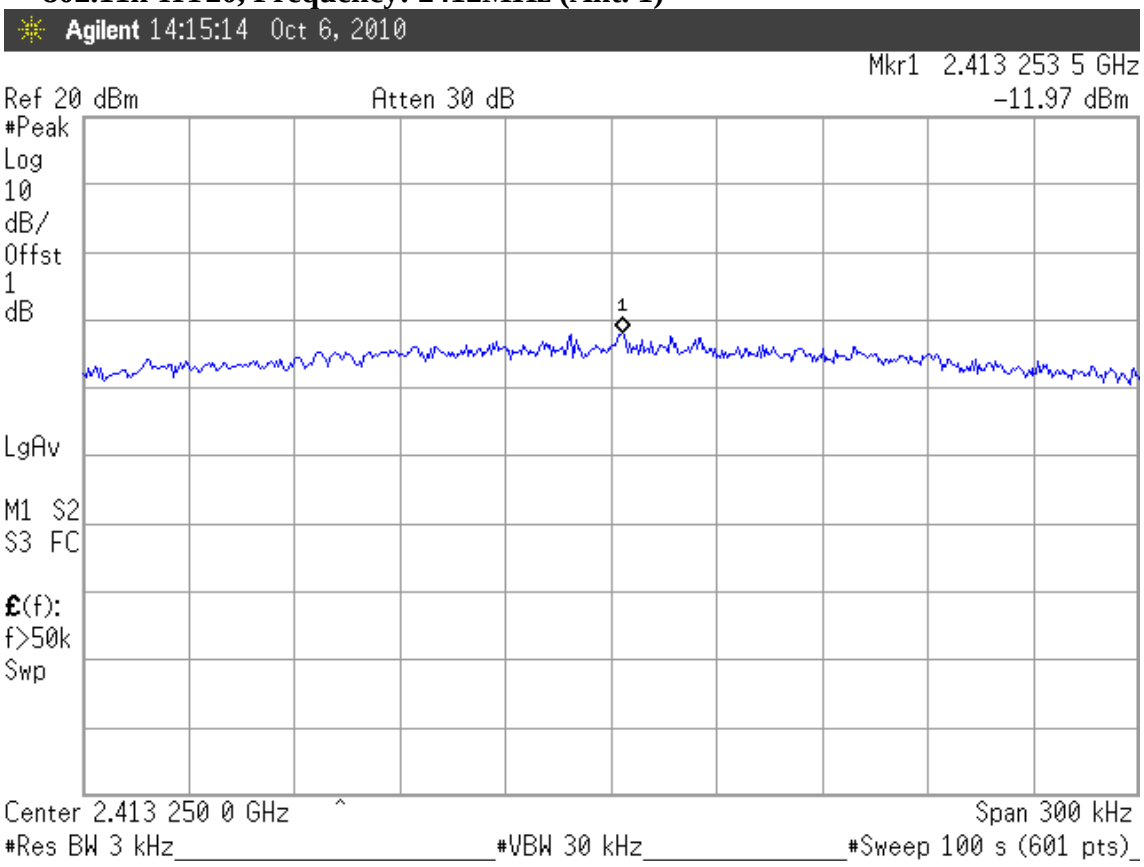
802.11g, Frequency: 5825MHz



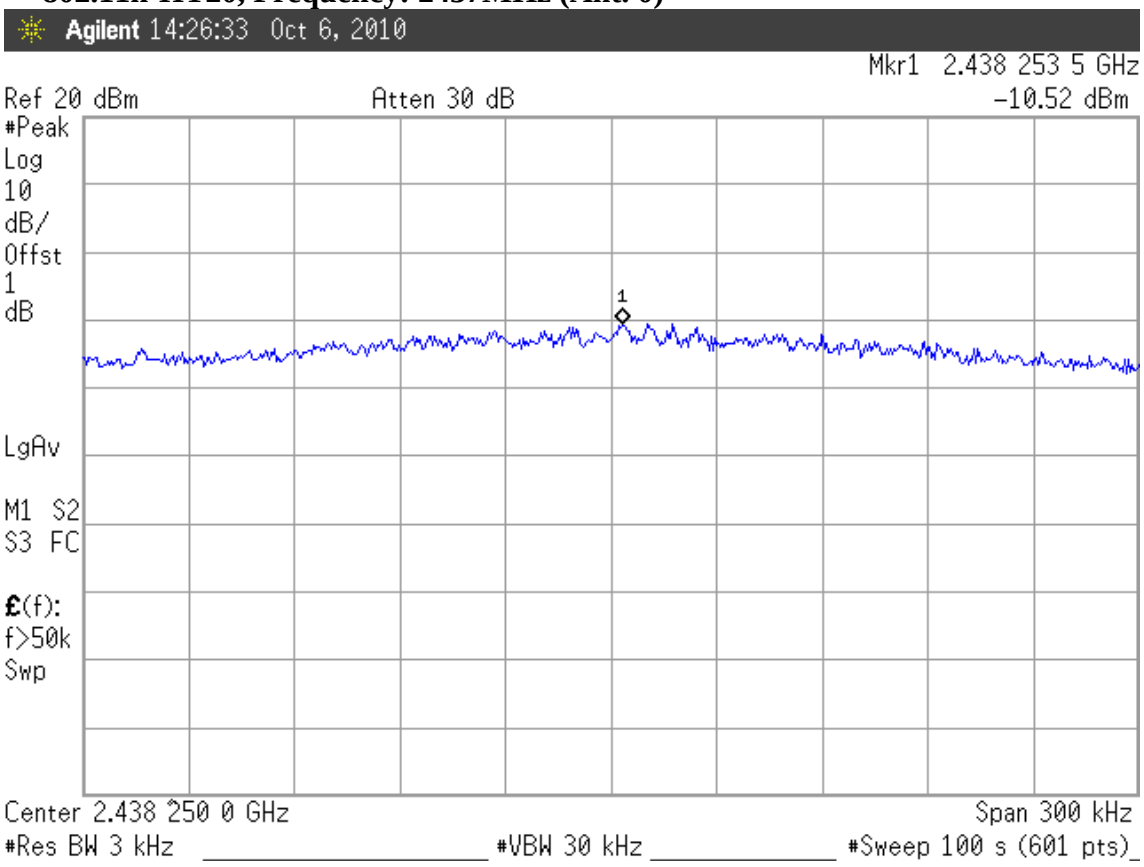
802.11n-HT20, Frequency: 2412MHz (Ant. 0)



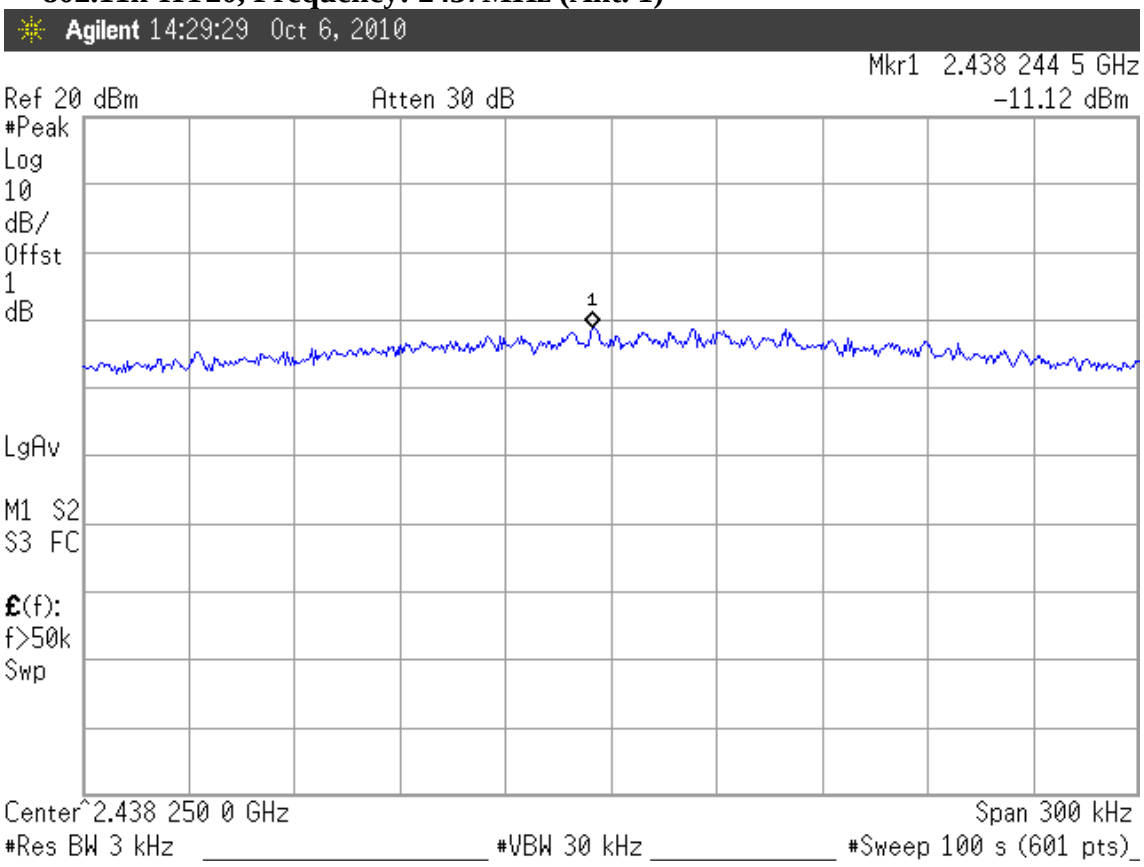
802.11n-HT20, Frequency: 2412MHz (Ant. 1)



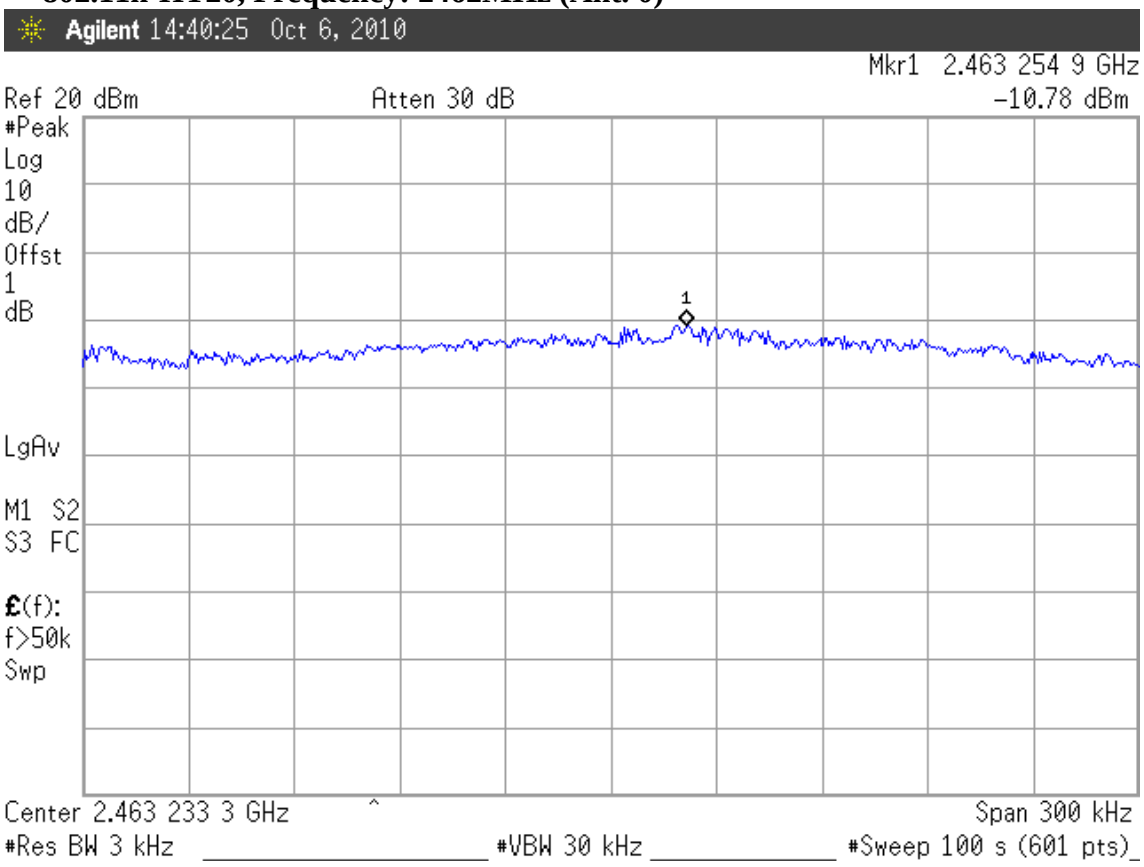
802.11n-HT20, Frequency: 2437MHz (Ant. 0)



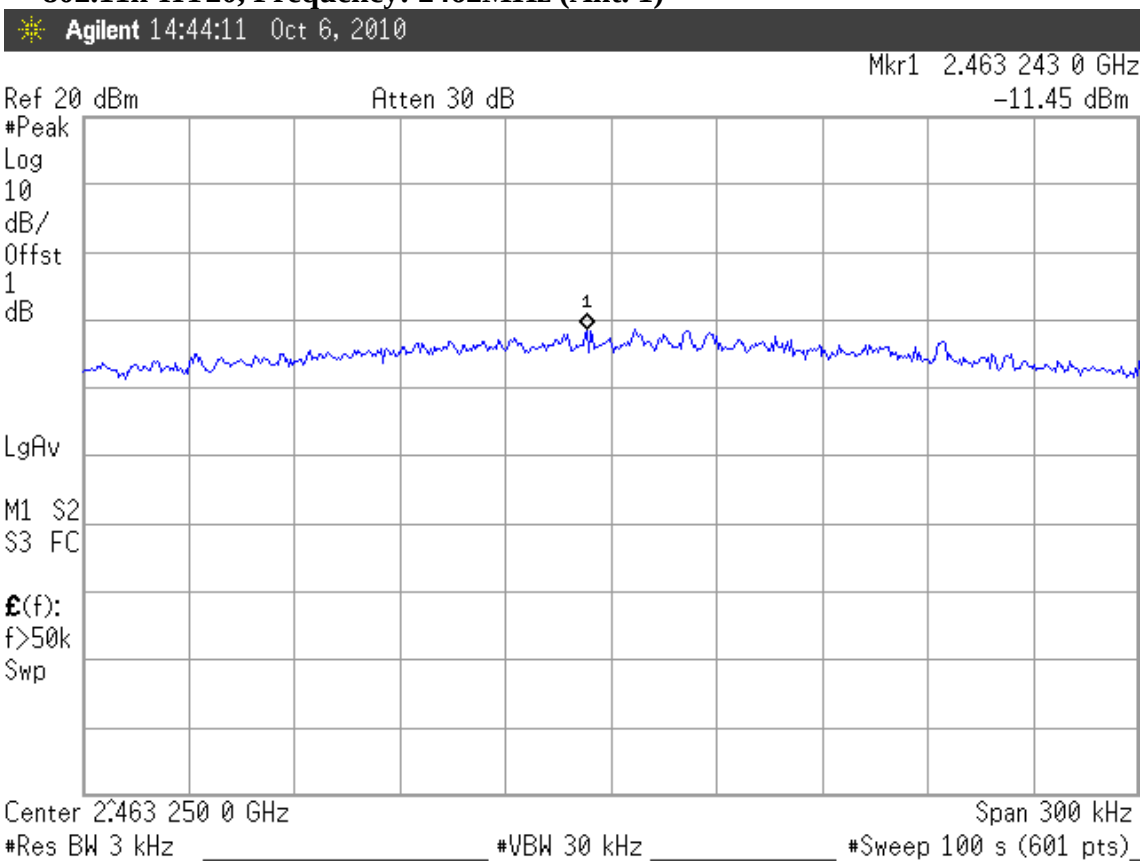
802.11n-HT20, Frequency: 2437MHz (Ant. 1)



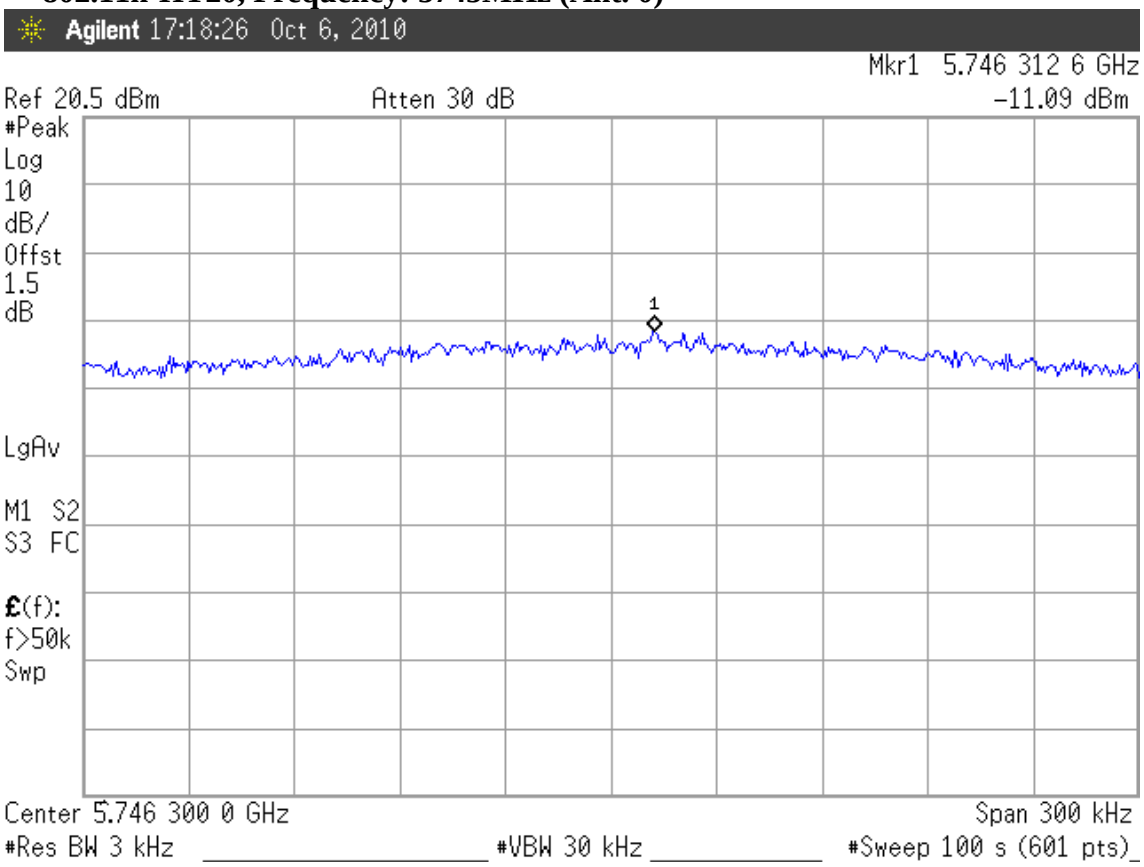
802.11n-HT20, Frequency: 2462MHz (Ant. 0)



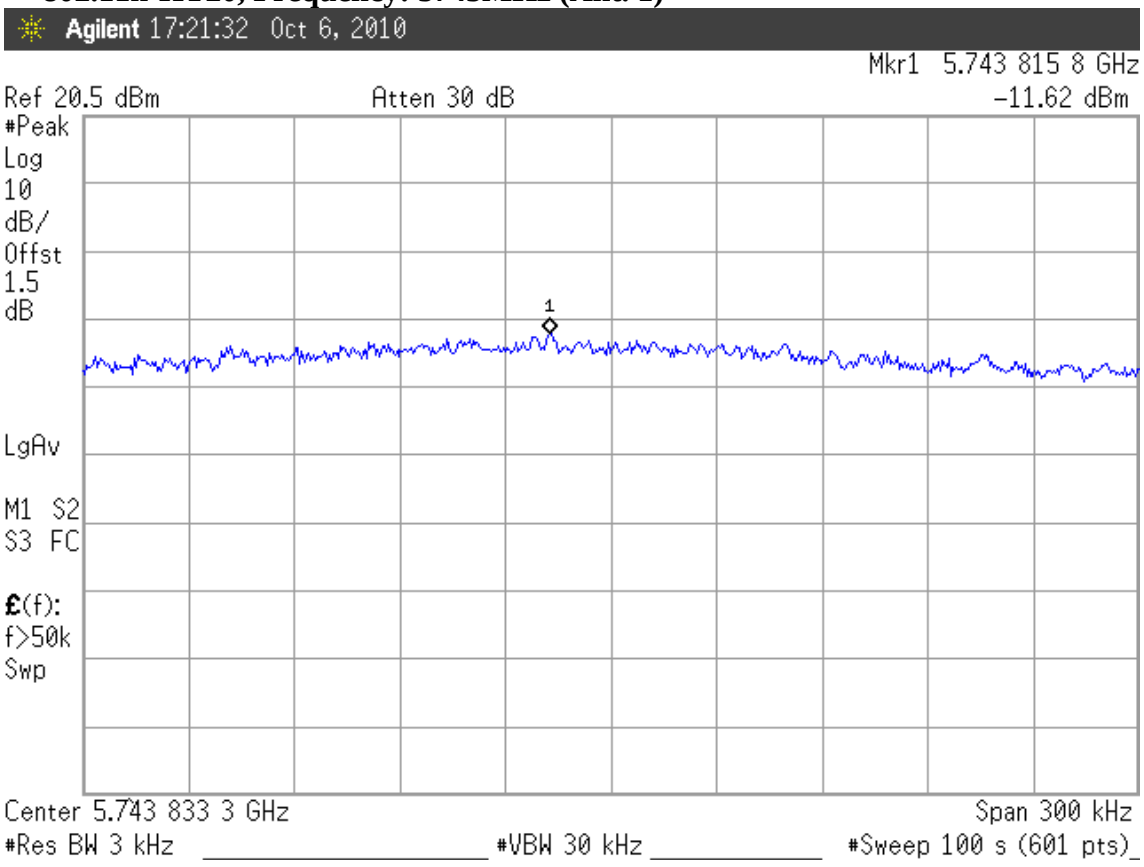
802.11n-HT20, Frequency: 2462MHz (Ant. 1)



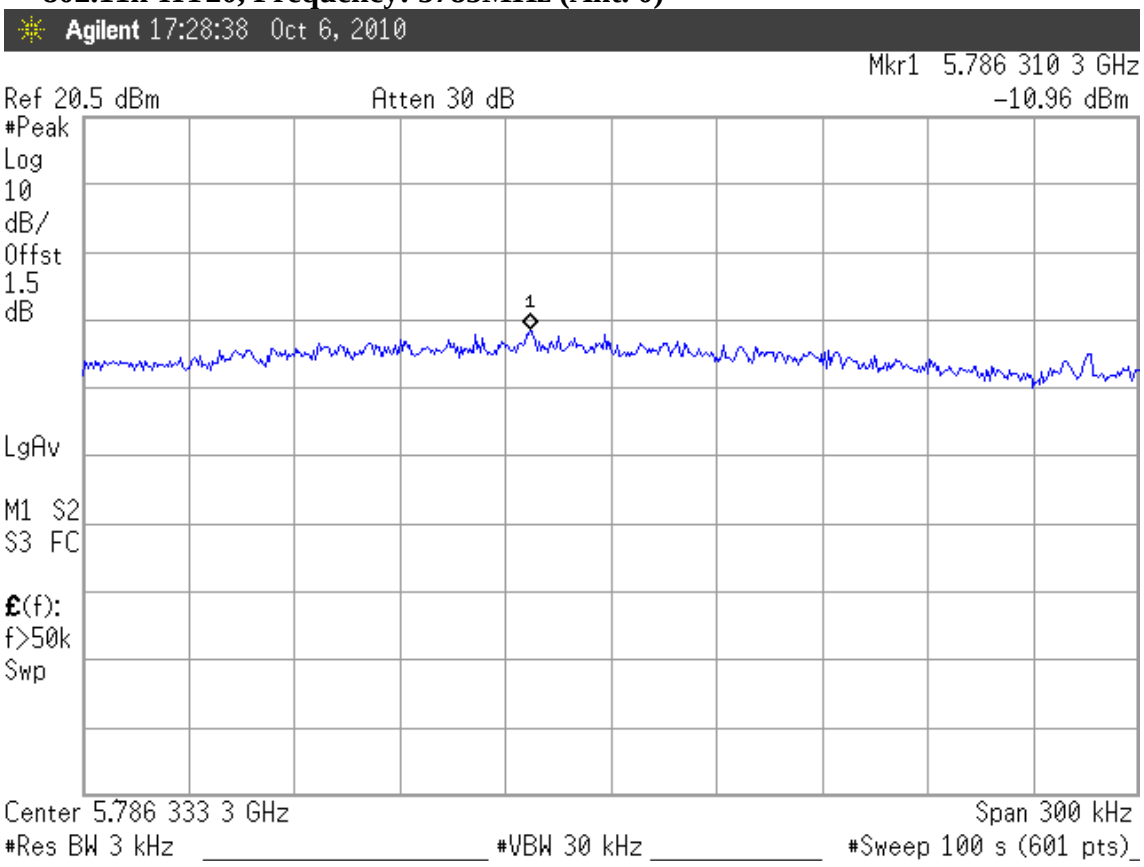
802.11n-HT20, Frequency: 5745MHz (Ant. 0)



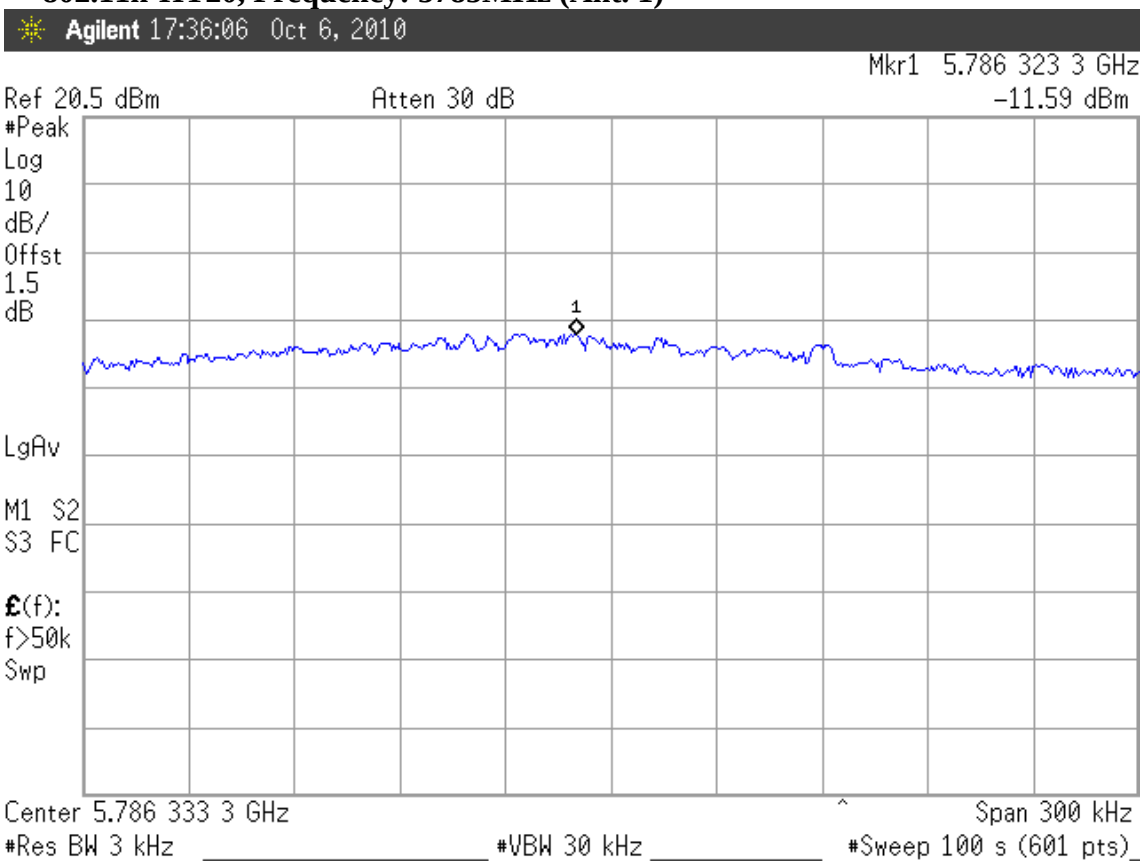
802.11n-HT20, Frequency: 5745MHz (Ant. 1)



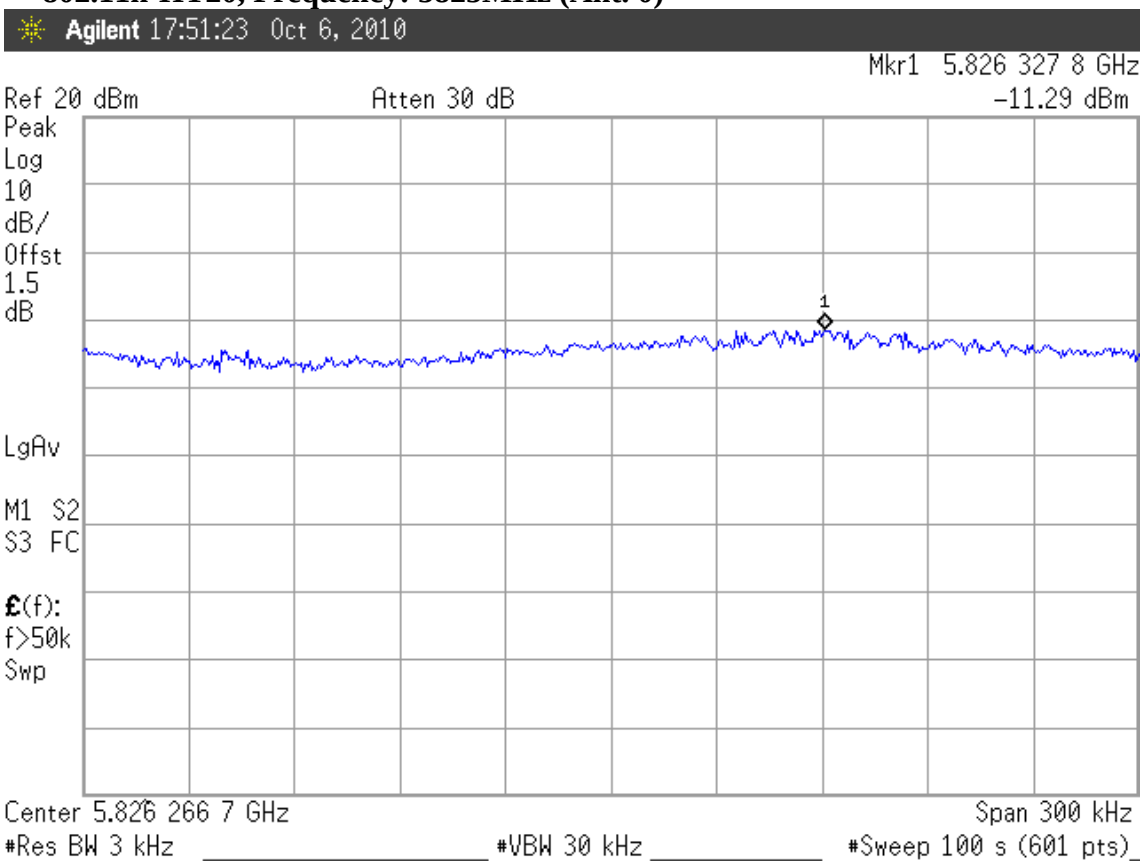
802.11n-HT20, Frequency: 5785MHz (Ant. 0)



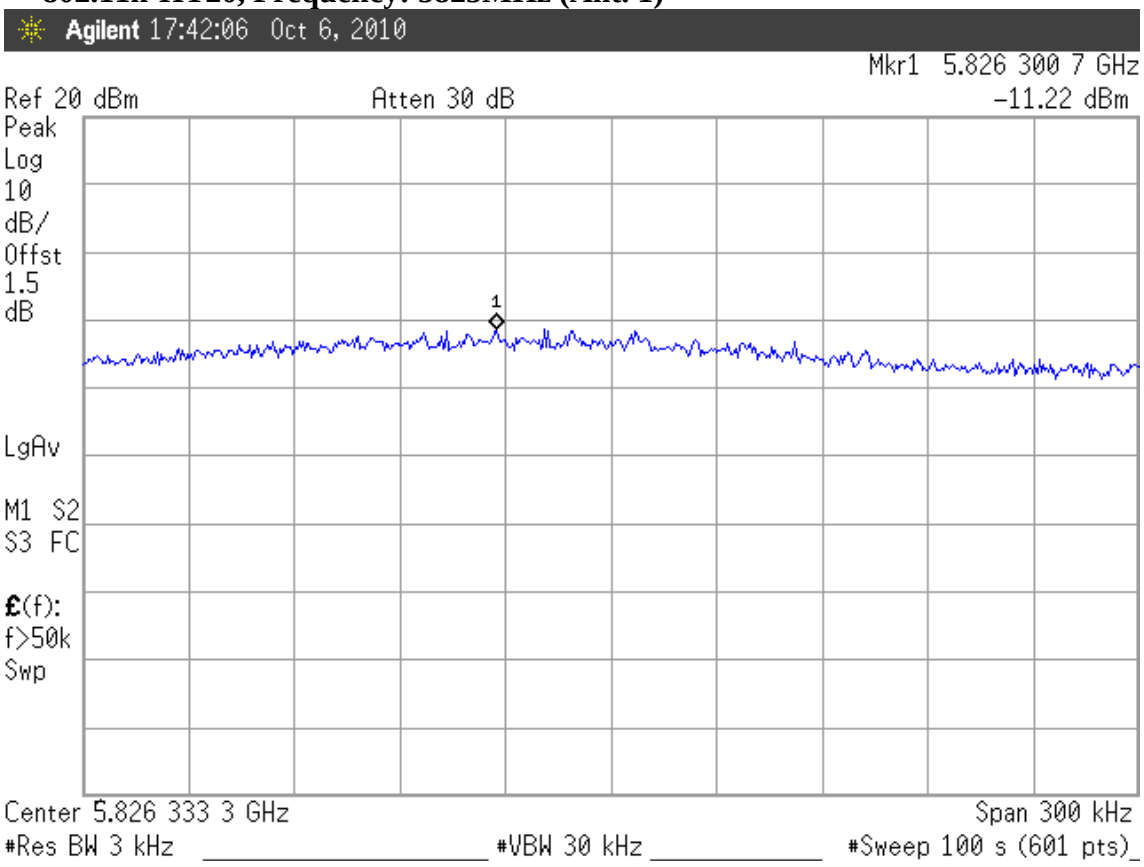
802.11n-HT20, Frequency: 5785MHz (Ant. 1)



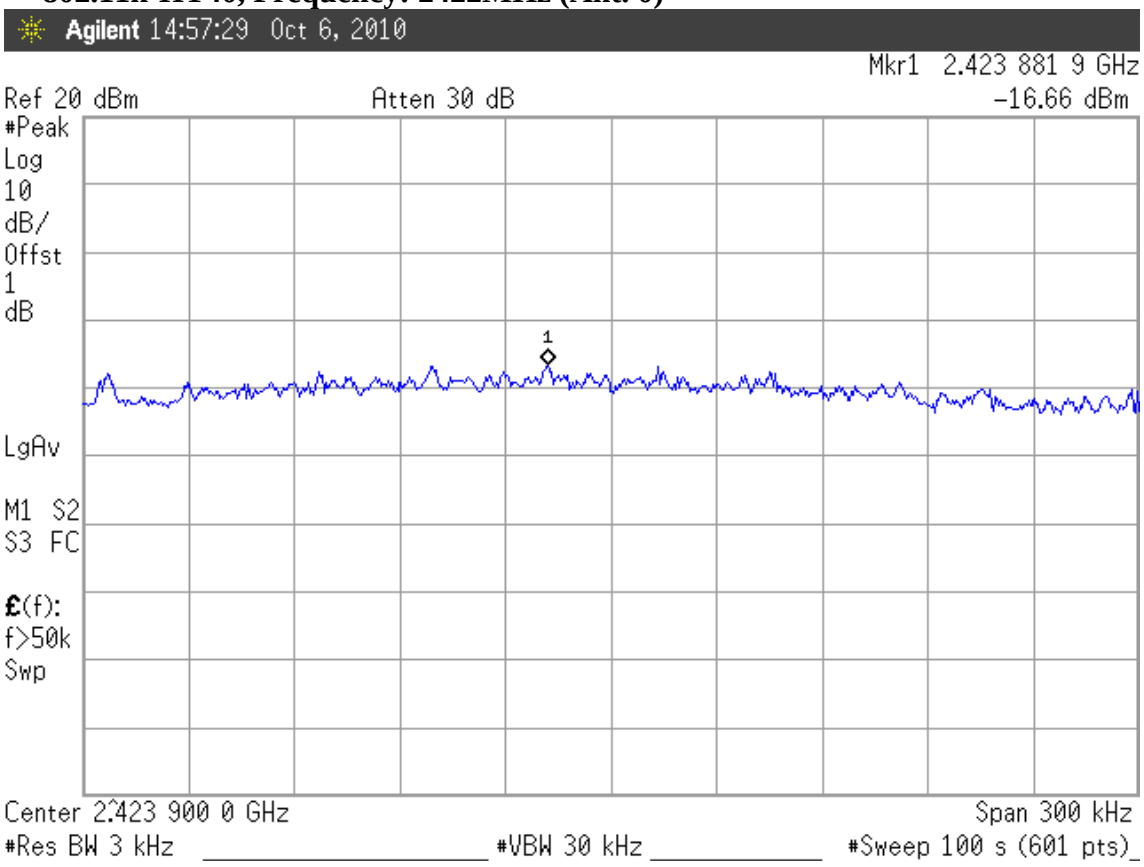
802.11n-HT20, Frequency: 5825MHz (Ant. 0)



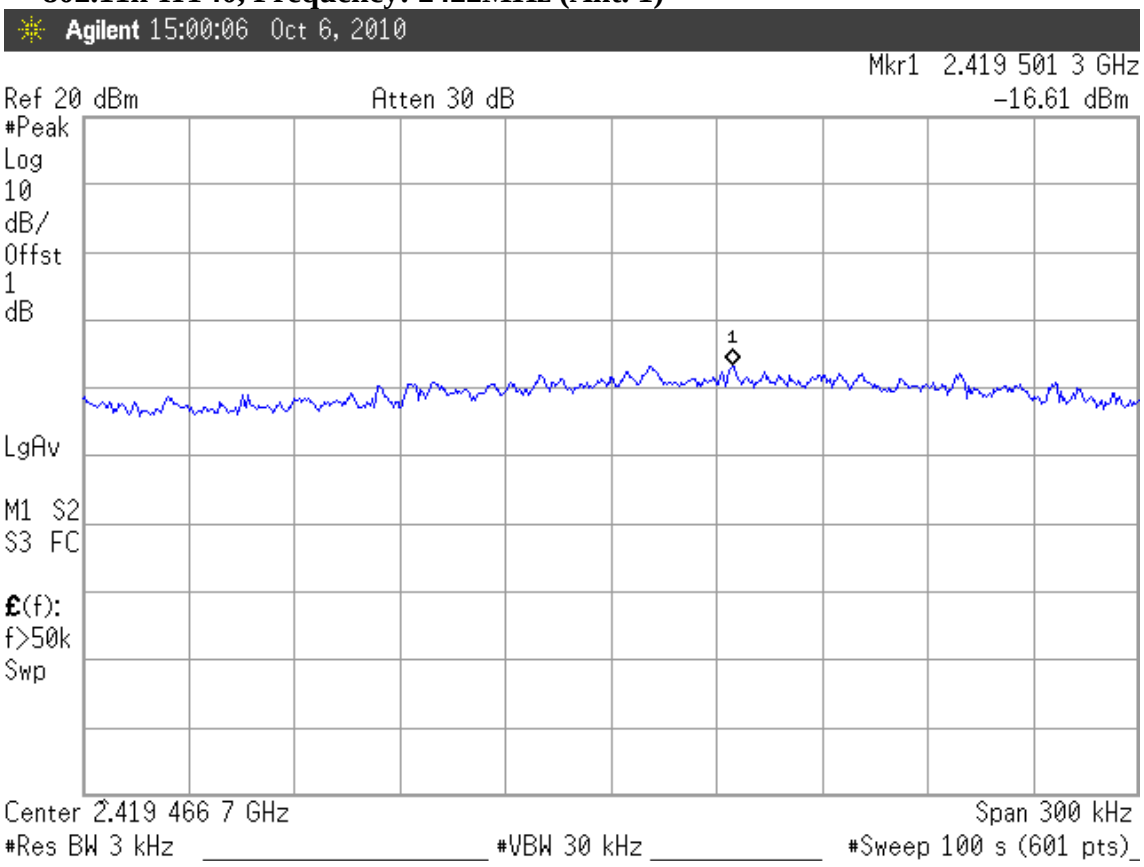
802.11n-HT20, Frequency: 5825MHz (Ant. 1)



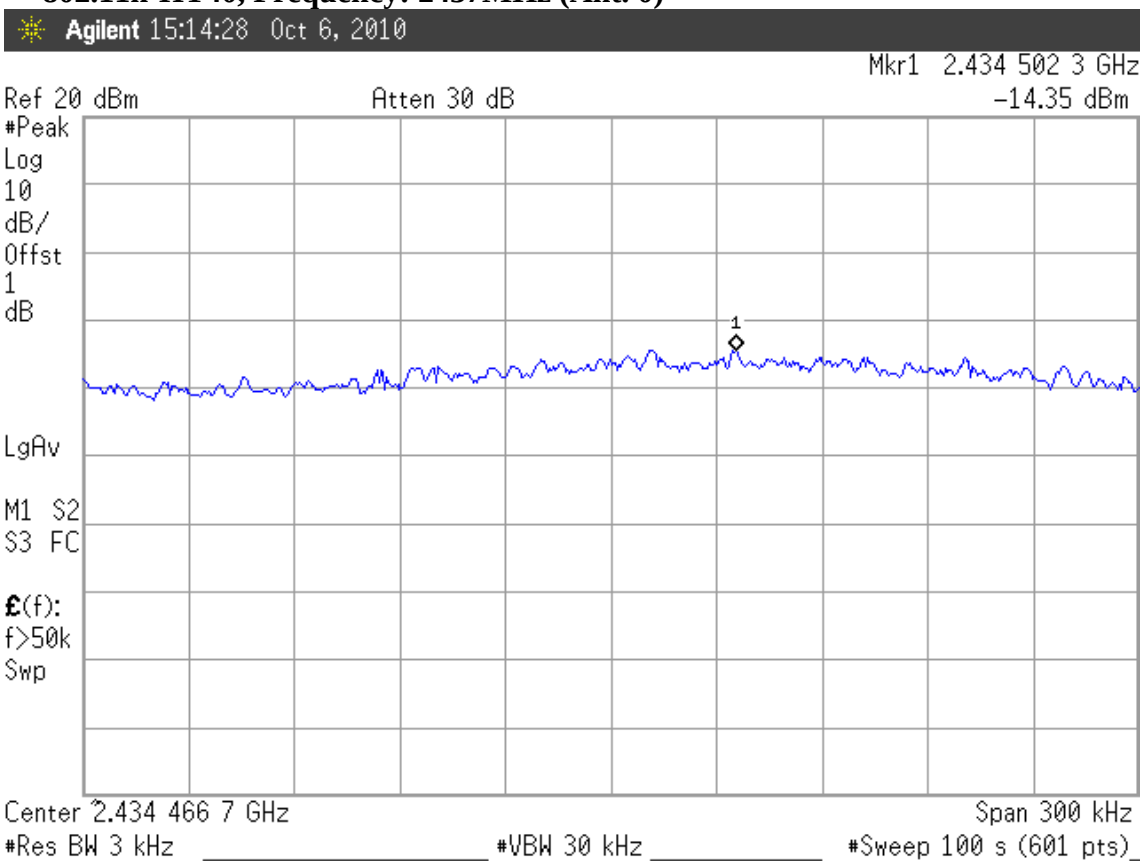
802.11n-HT40, Frequency: 2422MHz (Ant. 0)



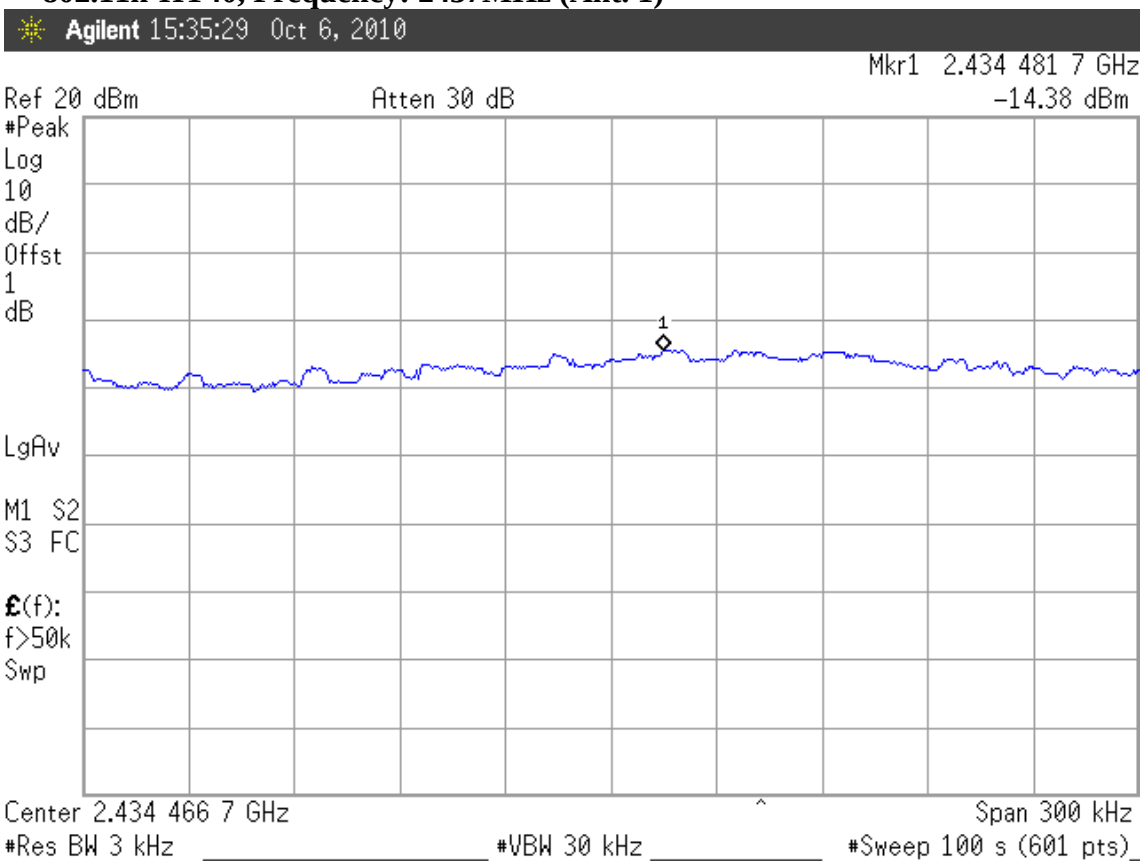
802.11n-HT40, Frequency: 2422MHz (Ant. 1)



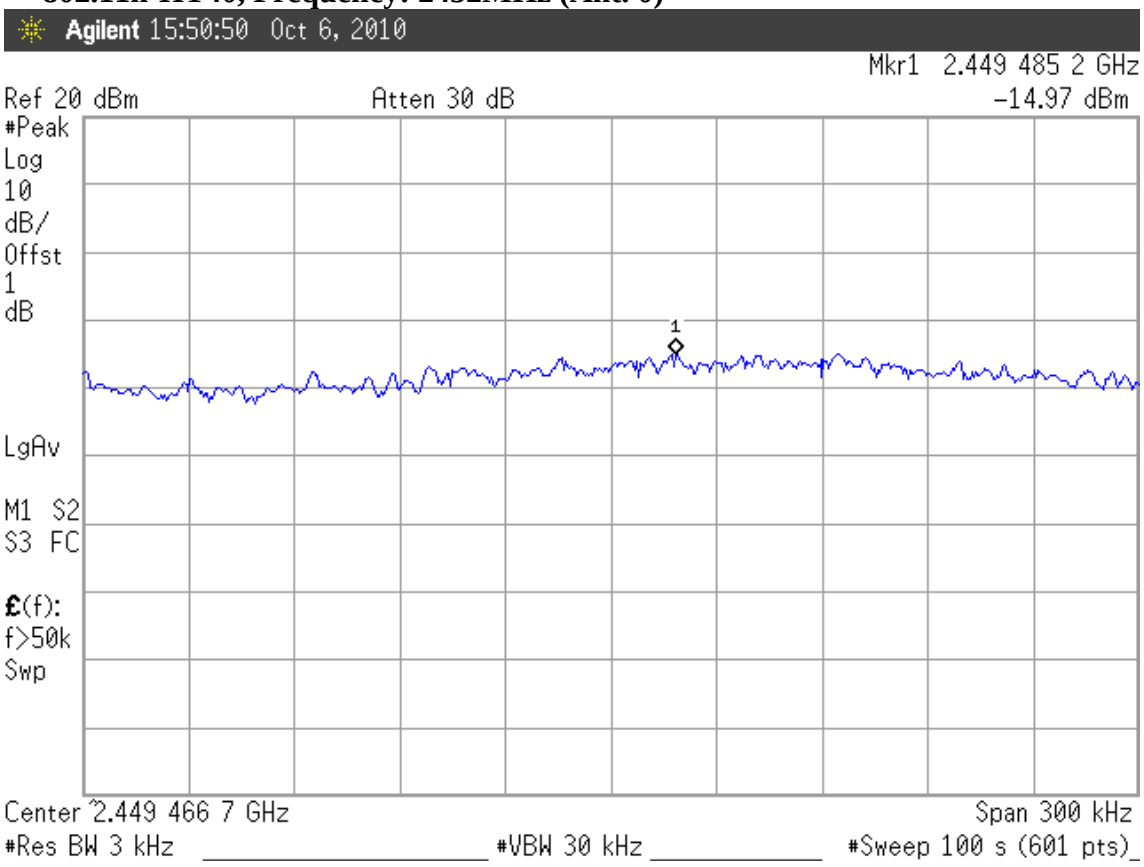
802.11n-HT40, Frequency: 2437MHz (Ant. 0)



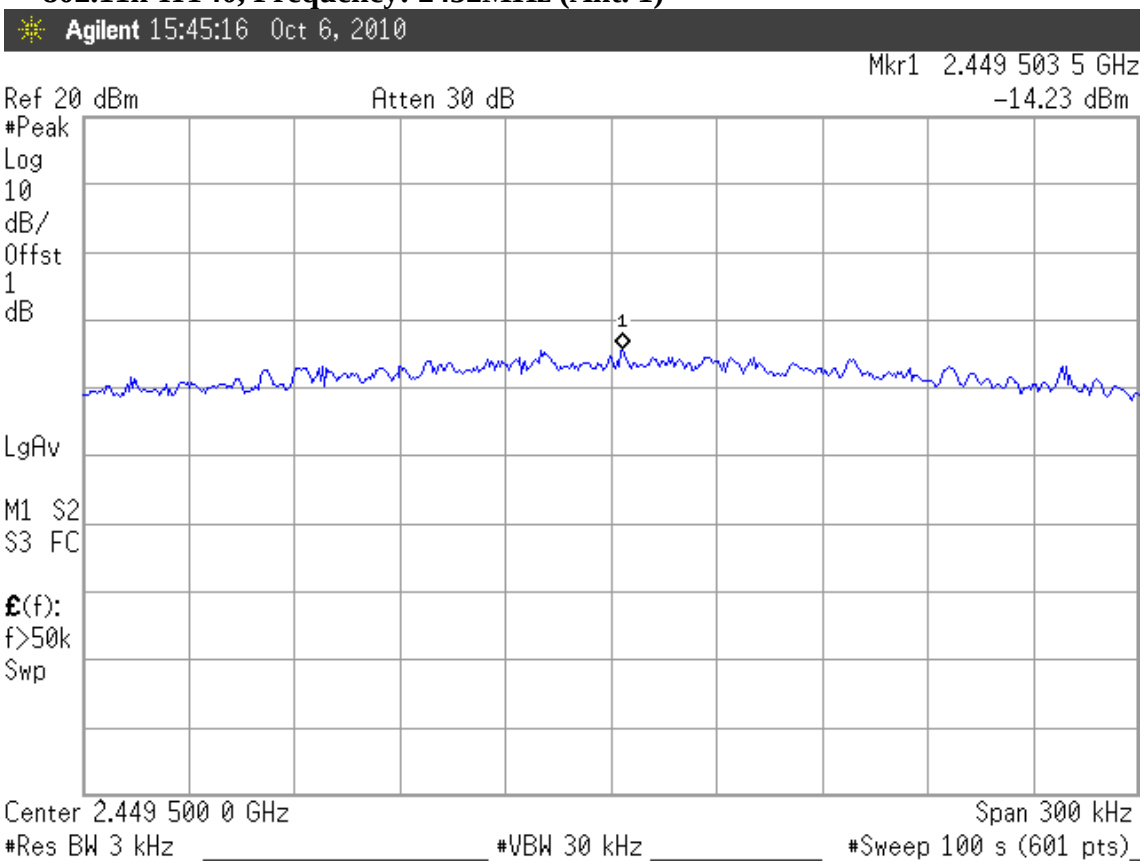
802.11n-HT40, Frequency: 2437MHz (Ant. 1)



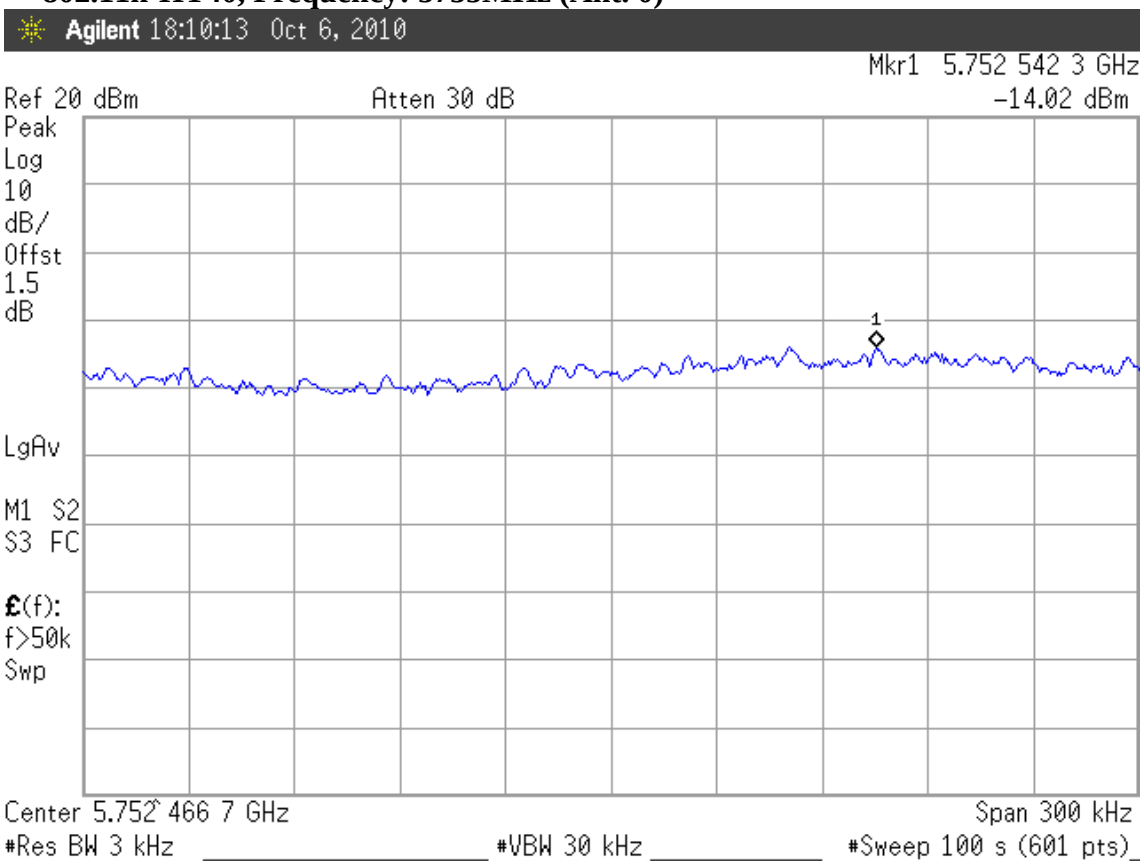
802.11n-HT40, Frequency: 2452MHz (Ant. 0)



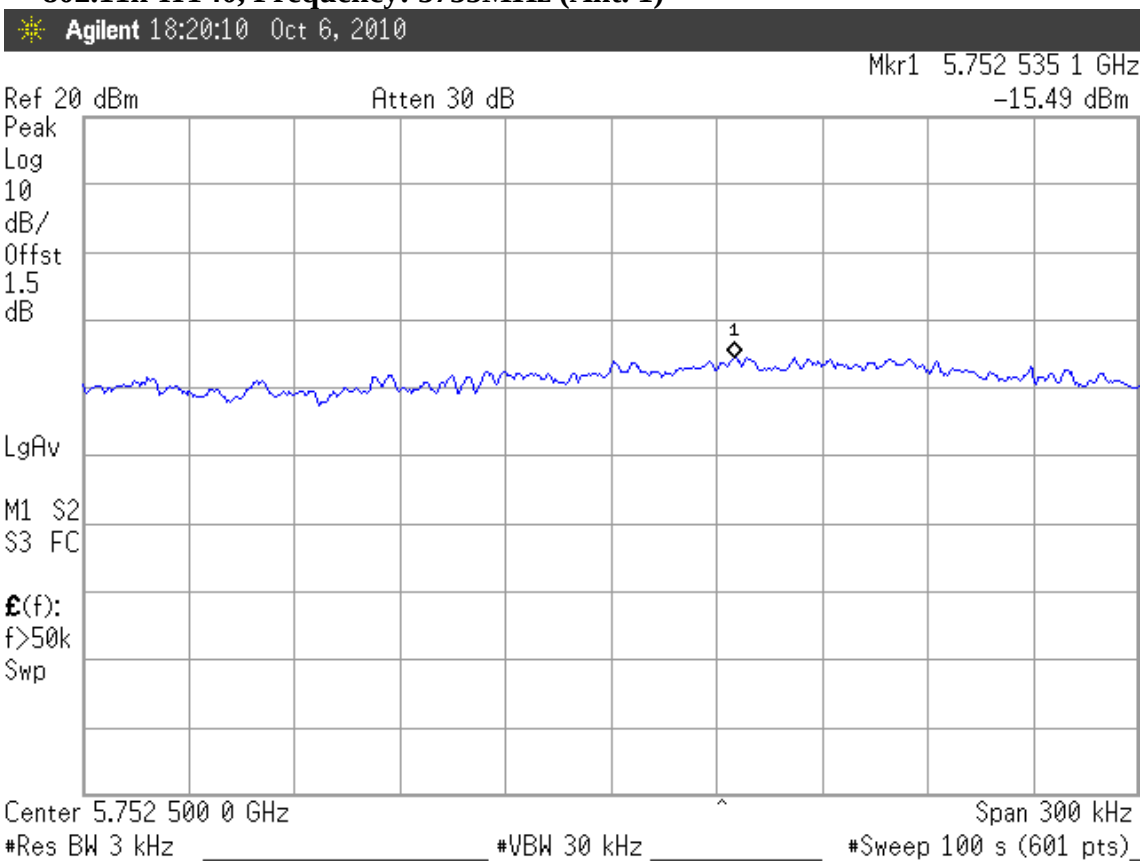
802.11n-HT40, Frequency: 2452MHz (Ant. 1)



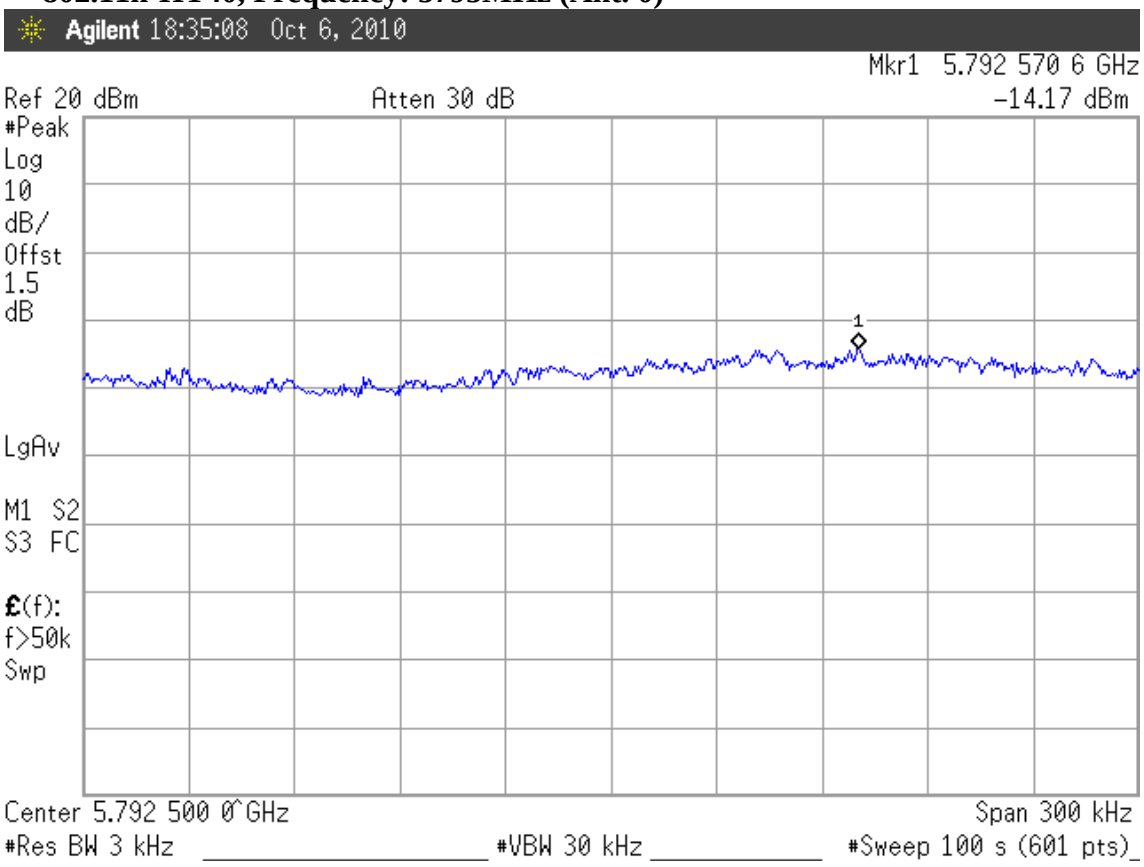
802.11n-HT40, Frequency: 5755MHz (Ant. 0)



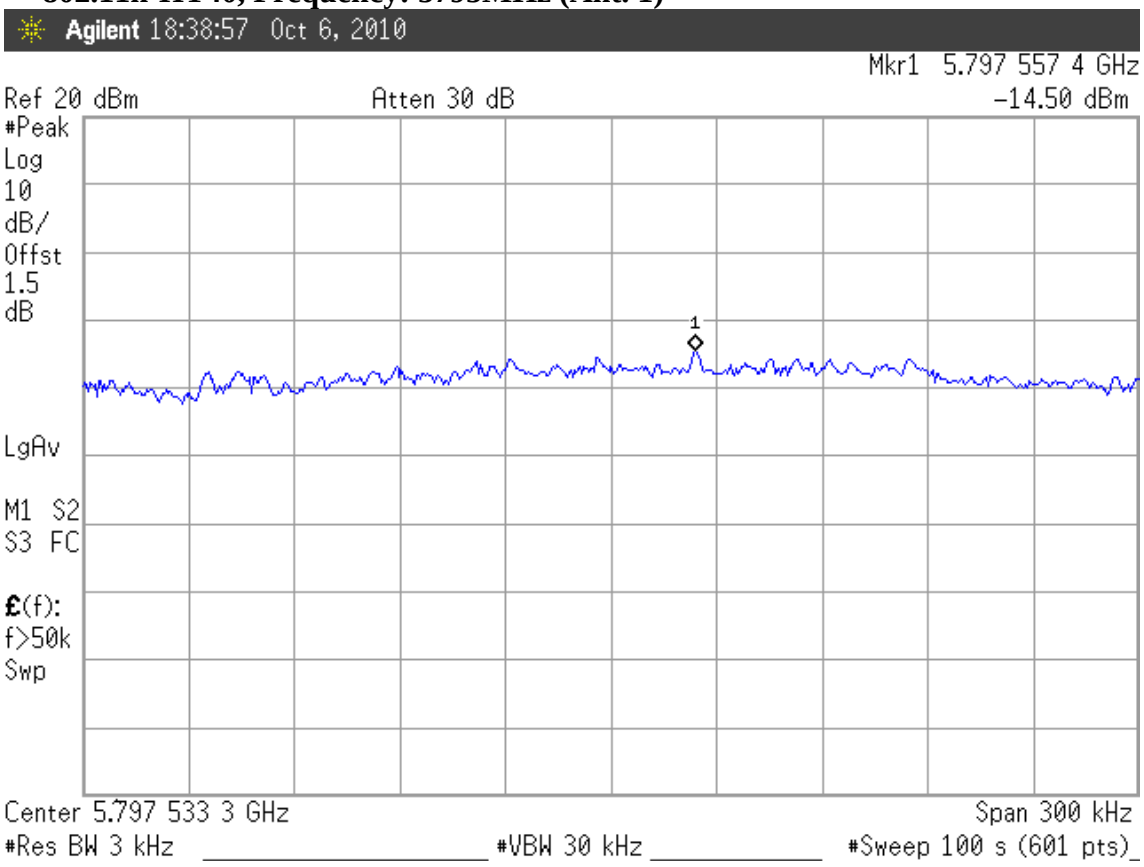
802.11n-HT40, Frequency: 5755MHz (Ant. 1)



802.11n-HT40, Frequency: 5795MHz (Ant. 0)



802.11n-HT40, Frequency: 5795MHz (Ant. 1)



8. DEVIATION TO TEST SPECIFICATIONS

【NONE】