

FCC PART 15C TEST REPORT FOR CERTIFICATION  
On Behalf of

Proware Technologies Co., Ltd.

Wireless Lite-N USB Module

Model No.: PW-MN421

FCC ID: WWMMN421V2

Prepared for : Proware Technologies Co., Ltd.  
2nd F1 East Wing, South Section, Factory Building 24, Science  
& Technology Park, Shennan Rd, Nanshan District, Shenzhen

Prepared By : Audix Technology (Shenzhen) Co., Ltd.  
No. 6, Ke Feng Rd., 52 Block,  
Shenzhen Science & Industrial Park,  
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F13073  
Date of Test : Mar.26~30, 2013  
Date of Report : Apr.03, 2013

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## TEST REPORT CERTIFICATION

Applicant : Proware Technologies Co., Ltd.  
Manufacturer : Proware Technologies Co., Ltd.  
EUT Description : Wireless Lite-N USB Module  
FCC ID : WWMMN421V2  
(A) MODEL NO. : PW-MN421  
(B) SERIAL NO. : N/A  
(C) POWER SUPPLY : DC 5V From PC Input AC 120V/60Hz  
(D) TEST VOLTAGE : DC 5V From PC Input AC 120V/60Hz

Tested for comply with:  
FCC Rules and Regulations Part 15 Subpart C: 2011

Test procedure used:  
ANSI C63.10:2009

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

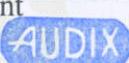
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Mar.26~ 30, 2013 Report of date: Apr.07, 2013

Prepared by : June Shao Reviewed by : Sunny Lu / Assistant Manager

June Shao/Assistant

Sunny Lu / Assistant Manager



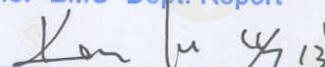
信華科技(深圳)有限公司

Audix Technology (Shenzhen) Co., Ltd.

EMC 部門 報告 專用 章

Stamp only for EMC Dept. Report

Signature:

Ken Lu 4/13

Ken Lu / Manager

Approved & Authorized Signer :

## 1. SUMMARY OF STANDARDS AND RESULTS

### 1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2009	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10: 2009	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

Product Name	: Wireless Lite-N USB Module
Model Number	: PW-MN421
FCC ID	: WWMMN421V2
Operation Frequency	: IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE802.11n HT20: 2412MHz—2462MHz IEEE802.11n HT40: 2422MHz—2452MHz
Channel Number	: IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7Channels
Modulation Technology	: IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK)
Antenna Assembly Gain	: IFA antenna, (1)N2410CM-T-30U PK gain 0.7dBi; (2)N2410CM-T-G300U PK gain 0.7dBi; (3)1120-1300REV PK gain 1.46dBi;
Applicant	: Proware Technologies Co., Ltd. 2nd F1 East Wing, South Section, Factory Building 24, Science & Technology Park, Shennan Rd, Nanshan District, Shenzhen
Manufacturer	: Proware Technologies Co., Ltd. 2nd F1 East Wing, South Section, Factory Building 24, Science & Technology Park, Shennan Rd, Nanshan District, Shenzhen
Date of Test	: Mar.26~30, 2013
Date of Receipt	: Mar.20, 2013
Sample Type	: Prototype production

## 2.2. Test Information

A special test software was used to control EUT work in Continuous TX mode(100% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
IEEE 802.11n HT20	6.5	Low :CH1	2412
	6.5	Middle: CH6	2437
	6.5	High: CH11	2462
IEEE 802.11n HT40	13.5	Low :CH1	2422
	13.5	Middle: CH4	2437
	13.5	High: CH7	2452

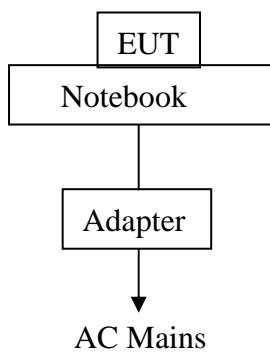
Note 1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

Note2: This device has 3 pcs antenna which have same antenna typo,Radiated emission,Bandedge was tested use those 3pcs antenna separately,Other test item was tested use the antenna which have the maximum antenna Gain.

### 2.3. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1	Notebook	Test PC R	DELL	D430	PP09S	<input checked="" type="checkbox"/> FCC DoC
		Power Cord: Unshielded, Detachable, 1.8m				
		Power Adopter: Manufacture: DELL, M/N:LA65NS1-00				
		DVI Cable: Shielded, Detachable, 4.0m (Power Cord: Unshielded, Detachable, 1.8m				

### 2.4. Block Diagram of Test Setup



( EUT: Wireless Lite-N USB Module)

## 2.5. Test Facility

### Site Description

Name of Firm

: Audix Technology (Shenzhen) Co., Ltd.  
No. 6, Ke Feng Rd., 52 Block, Shenzhen  
Science & Industrial Park,Nantou,  
Shenzhen, Guangdong, China

3m Anechoic Chamber : Certificated by FCC, USA  
Registration Number: 90454  
Valid Date: Feb.22, 2015

3m & 10m Anechoic Chamber : Certificated by FCC, USA  
Registration Number: 794232  
Valid Date: Oct.31, 2015

EMC Lab. : Certificated by Industry Canada  
Registration Number: IC 5183A-1  
Valid Date: Jun.13, 2014

: Certificated by DAkkS, Germany  
Registration No: D-PL-12151-01-01  
Valid Date: Feb.01, 2014

Accredited by NVLAP, USA  
NVLAP Code: 200372-0  
Valid Date: Mar.31, 2014

## 2.6. Measurement Uncertainty (95% confidence levels, k=2)

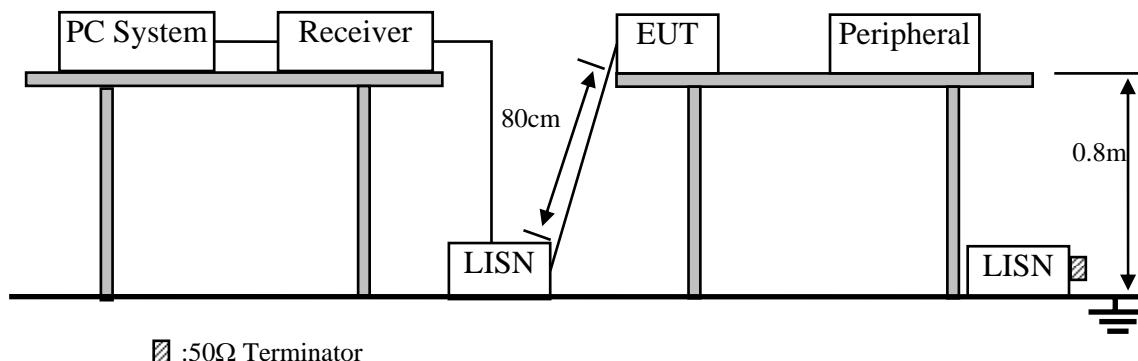
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.48dB(9KHz to 150KHz)
	3.06 dB(150kHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB(30~200MHz, Polarize: H)
	3.8 dB(30~200MHz, Polarize: V)
	4.2 dB(200M~1GHz, Polarize: H)
	3.8 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	3.1dB (Distance: 3m Polarize: V)
	3.7 dB (Distance: 3m Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Power density test	2.00 dB
Uncertainty for Frequency range test	$7 \times 10^{-8}$
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.6°C
	3%

### 3. POWER LINE CONDUCTED EMISSION MERSUREMENT

#### 3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 12	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 12	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 12	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 12	1 Year
5.	Terminator	Hubersuhner	50Ω	No. 2	May.08, 12	1 Year
6.	RF Cable	Fujikura	3D-2W	No.1	May.08, 12	1 Year
7.	Coaxial Switch	Anritsu	MP59B	M50564	May.08, 12	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 12	1 Year

#### 3.2. Block Diagram of Test Setup



#### 3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(µV)	Average Level dB(µV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. \* Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

#### 3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

##### 3.4.1. Wireless Lite-N USB Module (EUT)

Model Number : PW-MN421

Serial Number : N/A

##### 3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

### 3.5.Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turned on the power of all equipment.

3.5.3. PC run test software to control EUT work in Tx mode.

### 3.6.Test Procedure

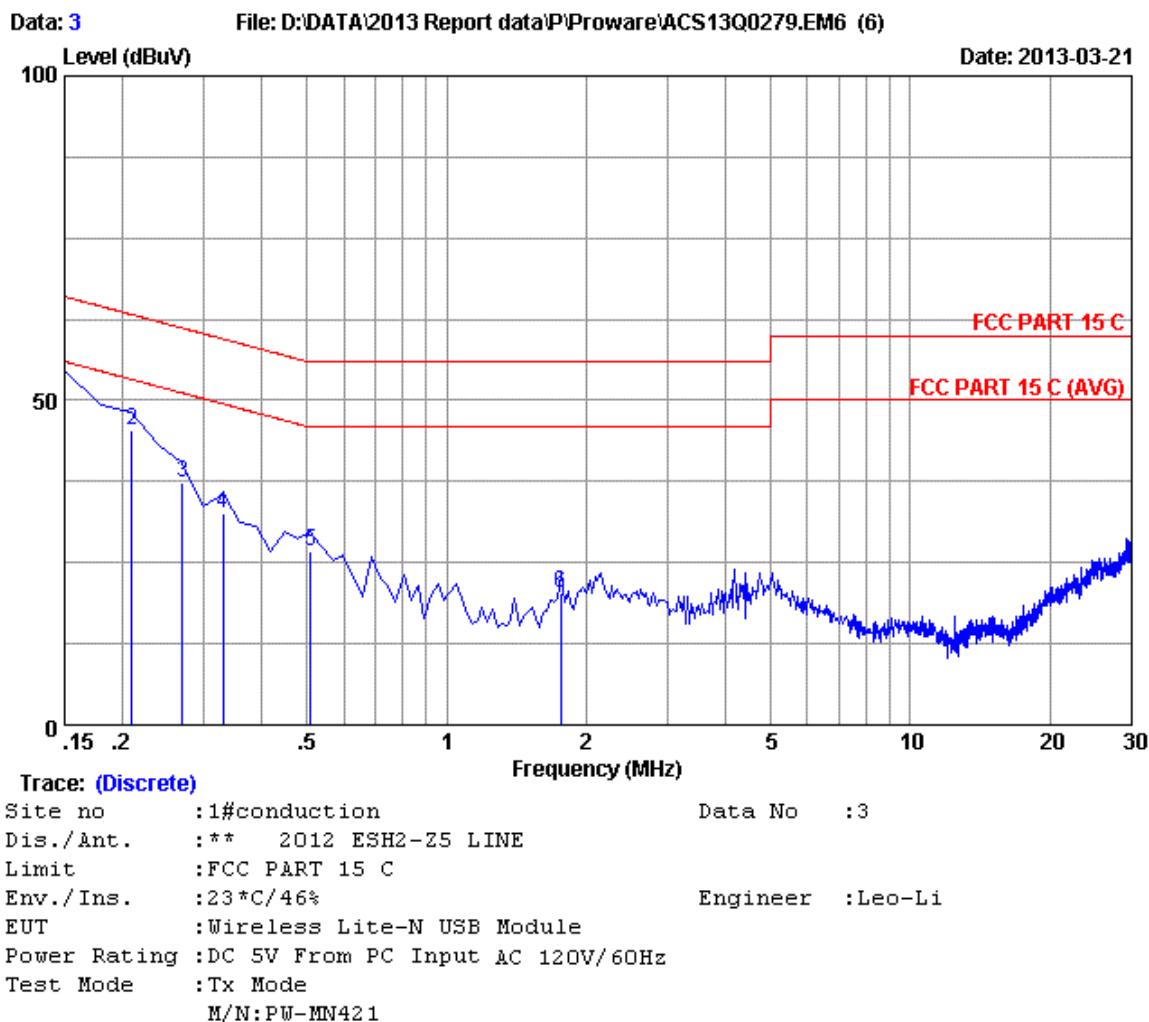
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2009 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS10) is set at 9kHz.

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

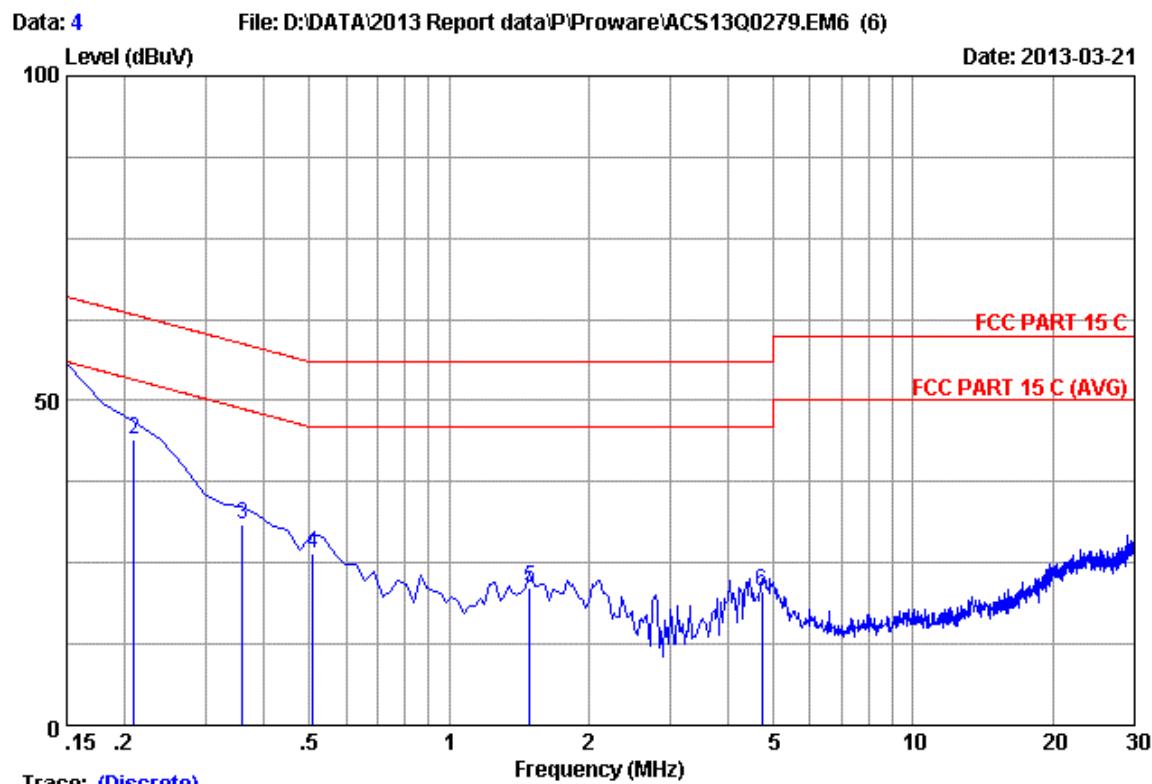
### 3.7.Power Line Conducted Emission Test Results

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



No	Freq (MHz)	LISN	Cable	Emission				Remark
		Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)	Margin (dB)	
1	0.15000	0.19	0.14	51.14	51.47	66.00	14.53	QP
2	0.20970	0.19	0.15	44.96	45.30	63.22	17.92	QP
3	0.26940	0.19	0.15	37.04	37.38	61.14	23.76	QP
4	0.32910	0.19	0.15	32.27	32.61	59.47	26.86	QP
5	0.50820	0.19	0.15	26.45	26.79	56.00	29.21	QP
6	1.762	0.23	0.14	20.07	20.44	56.00	35.56	QP

Remarks: 1. Emission Level=LISN 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.



No	Freq (MHz)	LISN	Cable	Emission				Remark
		Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)	Margin (dB)	
1	0.15000	0.21	0.14	50.42	50.77	66.00	15.23	QP
2	0.20970	0.21	0.15	43.54	43.90	63.22	19.32	QP
3	0.35895	0.22	0.15	30.47	30.84	58.75	27.91	QP
4	0.50820	0.23	0.15	26.05	26.43	56.00	29.57	QP
5	1.493	0.26	0.14	20.88	21.28	56.00	34.72	QP
6	4.717	0.34	0.15	20.18	20.67	56.00	35.33	QP

Remarks: 1. Emission Level=LISN 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.

## 4. RADIATED EMISSION MEASUREMENT

### 4.1. Test Equipment

#### 4.1.1. For frequency range 30MHz~1000MHz (At Anechoic Chamber)

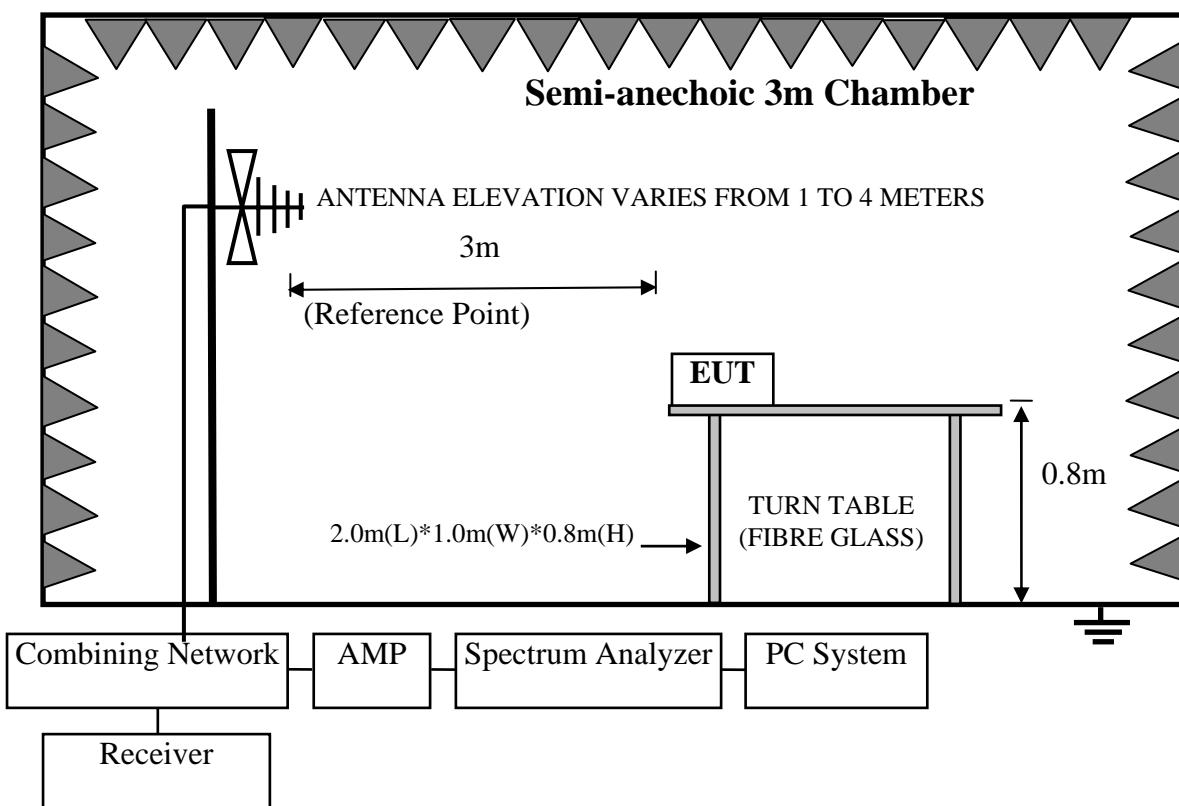
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.24,12	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 12	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 12	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 12	1 Year
5	Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-429	Nov.27, 12	1.0 Year
6	RF Cable	MIYAZAKI	CFD400-N L	3# Chamber No.1	May.08, 12	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 12	1 Year

#### 4.1.2. For frequency range 1GHz~25GHz (At Anechoic Chamber)

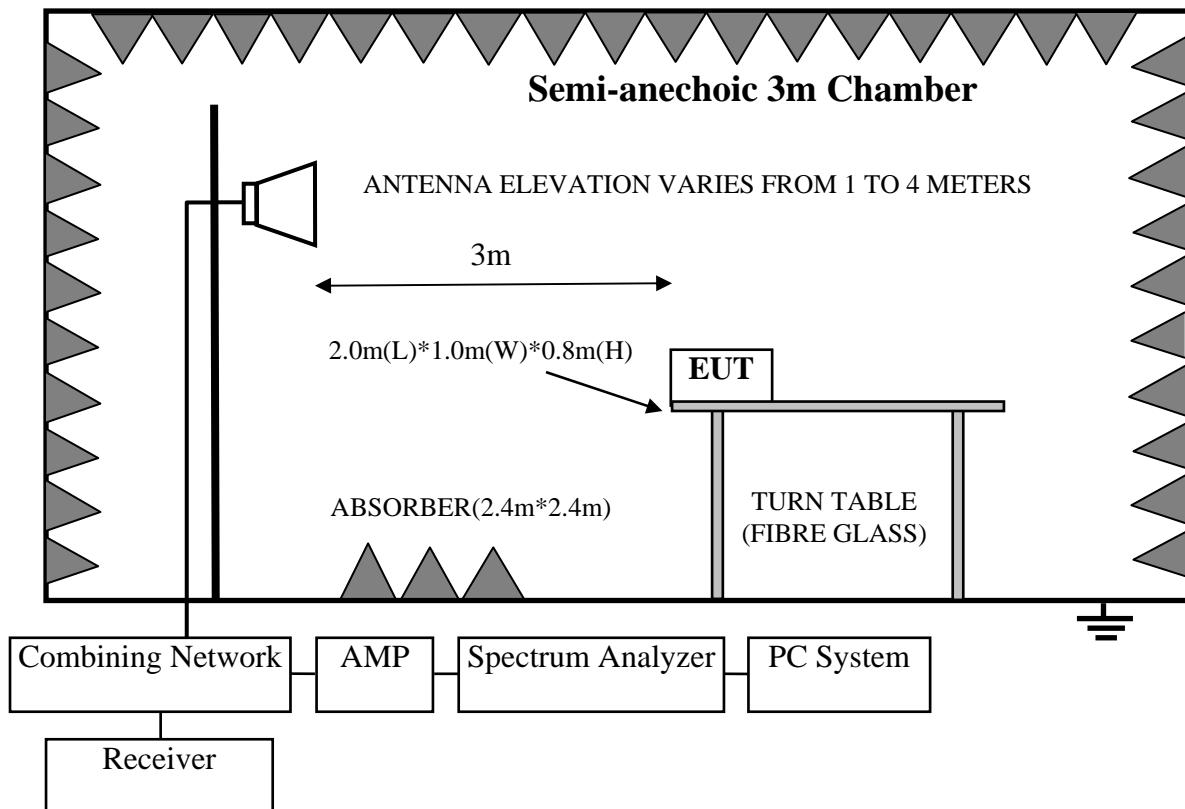
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 12	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	June.05, 12	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 12	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77980/6	May.08, 12	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	May.08, 12	1 Year
6	Horn Antenna	EMCO	3116	00060089	Nov.25,11	1.5 Year

### 4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-25GHz



#### 4.3.Radiated Emission Limit

##### 4.3.1.15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB( $\mu\text{V}/\text{m}$ ) (Peak) 54.0 dB( $\mu\text{V}/\text{m}$ ) (Average)	

Remark : (1) Emission level  $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V}/\text{m}$

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

#### 4.3.2.15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

#### 4.4.EUT Configuration on Test

The configurations of EUT are listed in Section 3.5.

#### 4.5.Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 4.2.

#### 4.6.Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The EUT was tested in X.Y.Z three orientation and find the worst case result in the report

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

The frequency range from 30MHz to 10<sup>th</sup> harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

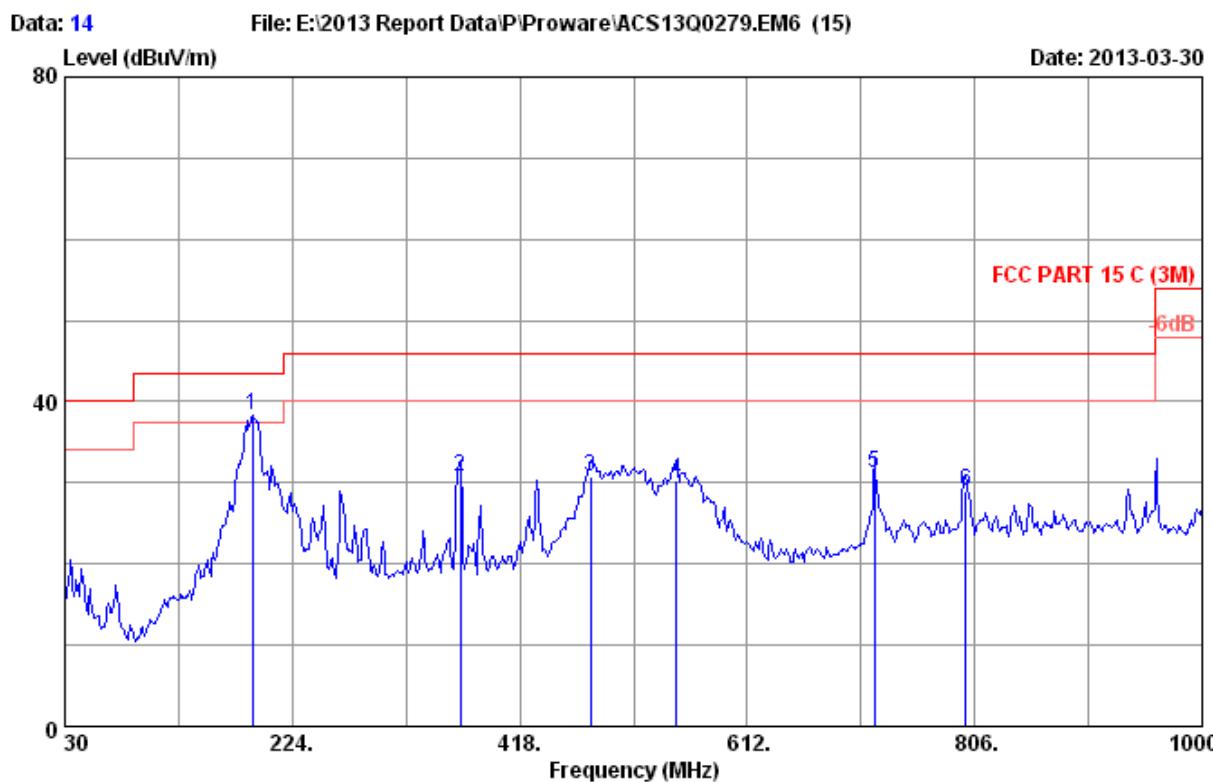
#### 4.7.Radiated Emission Test Results

**PASS.**

All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

Note: For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

**Frequency: 30MHz~1GHz**  
**ANT: N2410CM-T-30U**



Site no. : 3m Chamber Data no. : 14  
 Dis. / Ant. : 3m 9168-429 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/65% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power rating : DC 5V From PC Input AC 120V/60Hz  
 Test Mode : Tx Mode  
 M/N:PW-MN421

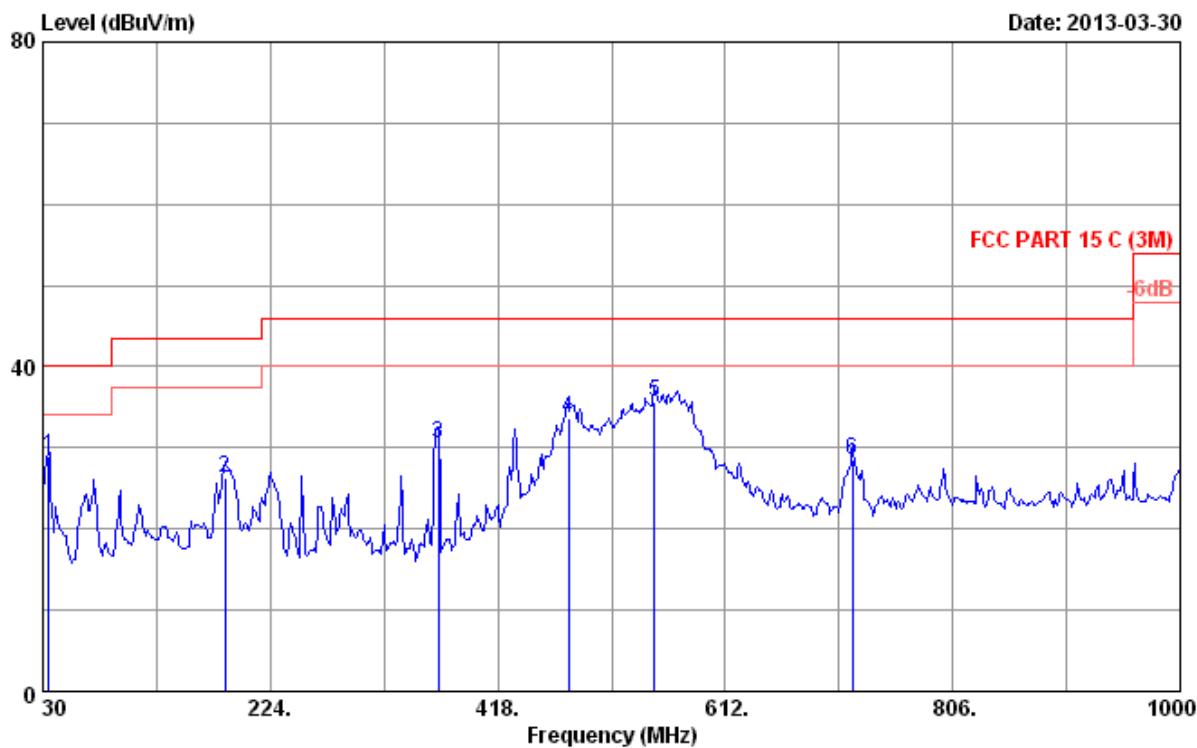
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission			
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	190.050	10.47	1.04	26.76	38.27	43.50	5.23
2	367.560	14.17	1.46	15.13	30.76	46.00	15.24
3	478.140	16.24	1.77	12.75	30.76	46.00	15.24
4	551.860	17.42	1.99	10.84	30.25	46.00	15.75
5	720.640	19.91	2.48	8.84	31.23	46.00	14.77
6	798.240	20.69	2.70	5.50	28.89	46.00	17.11

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

Data: 15

File: E:\2013 Report Data\P\Proware\ACS13Q0279.EM6 (15)

Date: 2013-03-30



Site no. : 3m Chamber Data no. : 15  
Dis. / Ant. : 3m 9168-429 Ant. pol. : VERTICAL  
Limit : FCC PART 15 B (3M)  
Env. / Ins. : 24°C/65% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power rating : DC 5V From PC Input AC 120V/60Hz  
Test Mode : Tx Mode  
M/N:PW-MN421

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.850	13.38	0.51	15.15	29.04	40.00	10.96	QP
2	185.200	11.05	1.03	14.32	26.40	43.50	17.10	QP
3	367.560	14.17	1.46	15.01	30.64	46.00	15.36	QP
4	478.140	16.24	1.77	15.72	33.73	46.00	12.27	QP
5	551.860	17.42	1.99	16.25	35.66	46.00	10.34	QP
6	720.640	19.91	2.48	6.13	28.52	46.00	17.48	QP

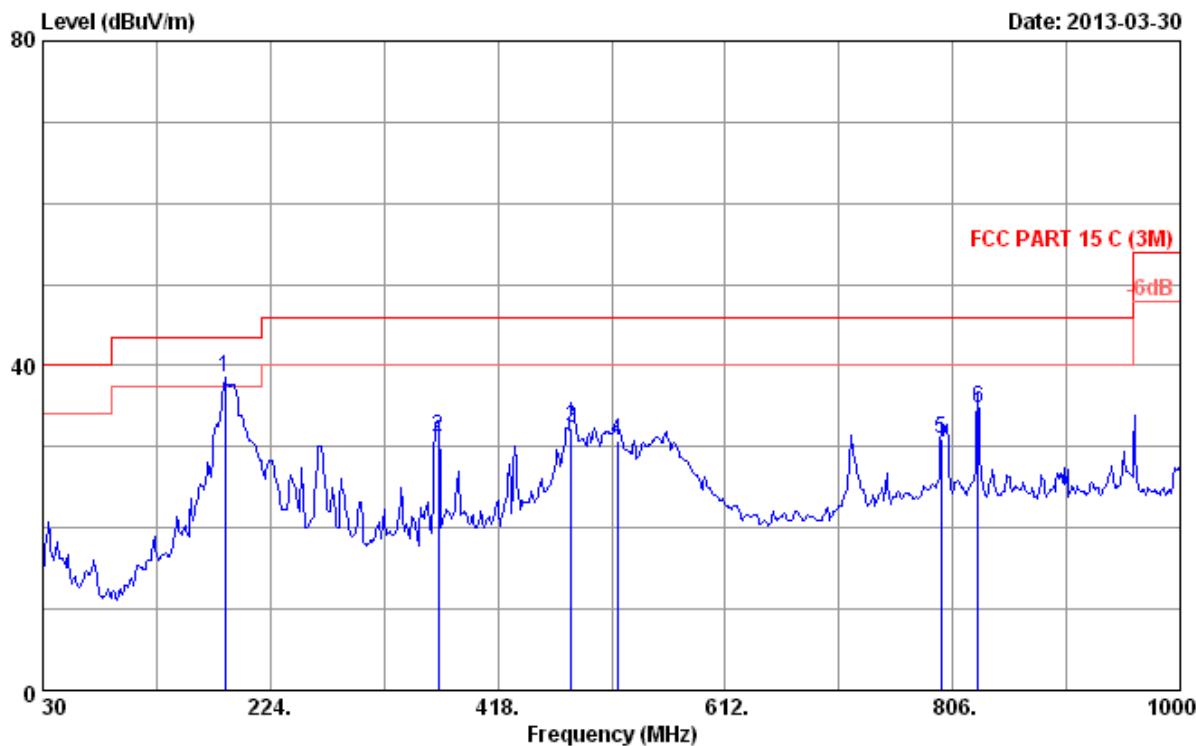
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.

**ANT: N2410CM-T-G300U**

Data: 12

File: E:\2013 Report Data\P\Proware\ACS13Q0279.EM6 (15)

Date: 2013-03-30



Site no.	:	3m Chamber	Data no.	:	12
Dis. / Ant.	:	3m 9168-429	Ant. pol.	:	HORIZONTAL
Limit	:	FCC PART 15 B (3M)			
Env. / Ins.	:	24°C/65%	Engineer	:	Leo-Li
EUT	:	Wireless Lite-N USB Module			
Power rating	:	DC 5V From PC Input AC 120V/60Hz			
Test Mode	:	Tx Mode			
M/N:PW-MN421					

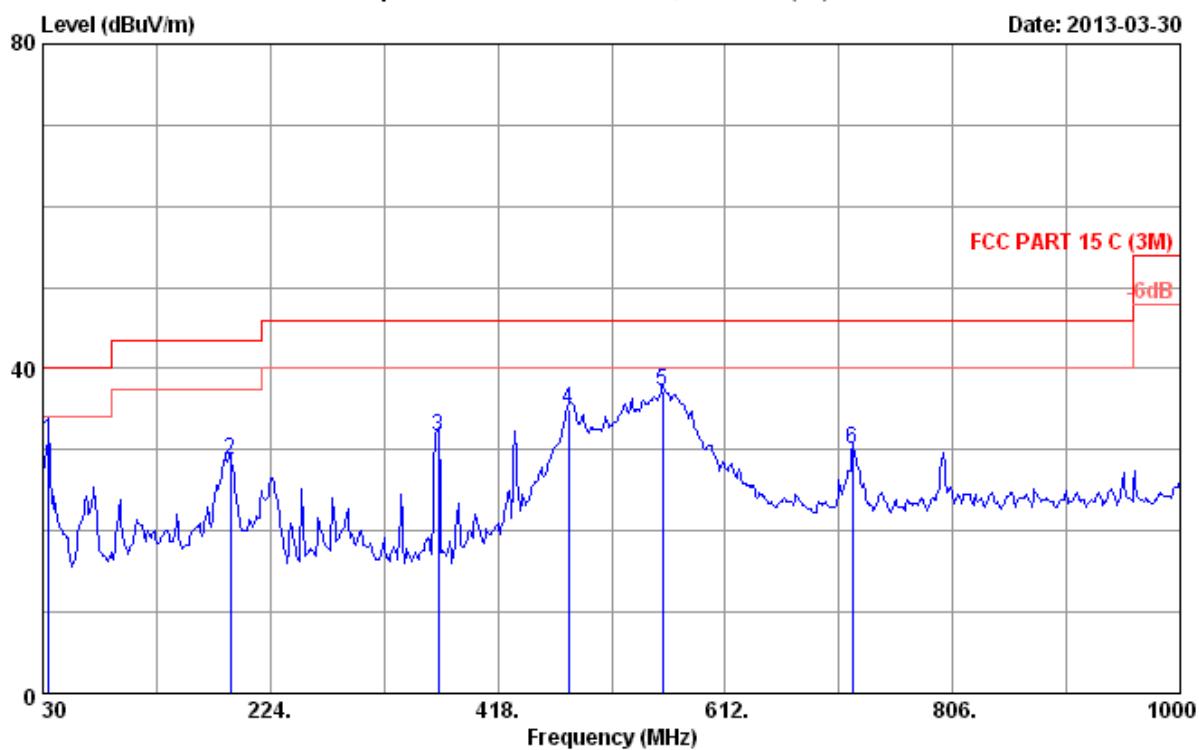
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	185.200	11.05	1.03	26.55	38.63	43.50	4.87	QP
2	367.560	14.17	1.46	15.56	31.19	46.00	14.81	QP
3	481.050	16.28	1.77	14.33	32.38	46.00	13.62	QP
4	519.850	16.87	1.89	12.07	30.83	46.00	15.17	QP
5	796.300	20.68	2.68	7.72	31.08	46.00	14.92	QP
6	827.340	20.89	2.73	11.23	34.85	46.00	11.15	QP

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

Data: 13

File: E:\2013 Report Data\P\Proware\ACS13Q0279.EM6 (15)

Date: 2013-03-30



Site no. : 3m Chamber Data no. : 13  
 Dis. / Ant. : 3m 9168-429 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/65% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power rating : DC 5V From PC Input AC 120V/60Hz  
 Test Mode : Tx Mode  
 M/N:PW-MN421

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.850	13.38	0.51	17.41	31.30	40.00	8.70	QP
2	190.050	10.47	1.04	17.22	28.73	43.50	14.77	QP
3	367.560	14.17	1.46	16.12	31.75	46.00	14.25	QP
4	478.140	16.24	1.77	16.95	34.96	46.00	11.04	QP
5	558.650	17.54	1.99	17.63	37.16	46.00	8.84	QP
6	720.640	19.91	2.48	7.69	30.08	46.00	15.92	QP

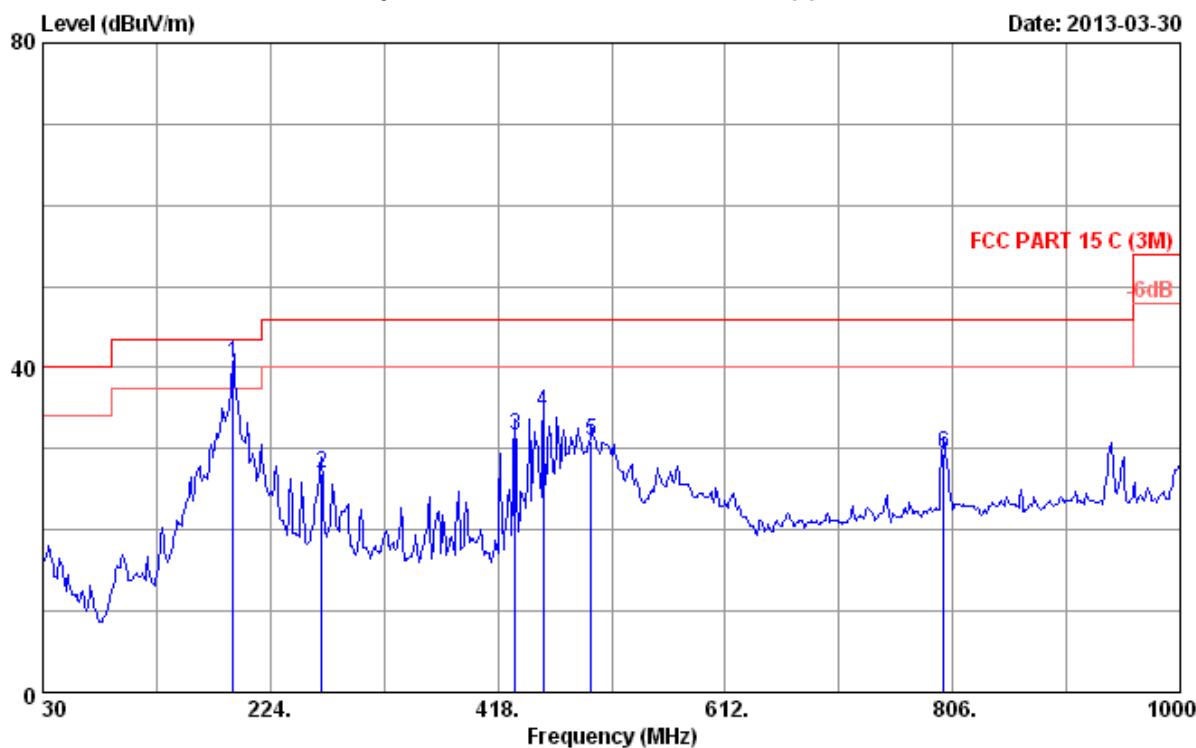
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

## ANT: 1120-1300REV

Data: 9

File: E:\2013 Report Data\P\Proware\ACS13Q0279.EM6 (9)

Date: 2013-03-30



Site no. : 3m Chamber Data no. : 9  
Dis. / Ant. : 3m 9168-429 Ant. pol. : HORIZONTAL  
Limit : FCC PART 15 C (3M)  
Env. / Ins. : 24°C/65% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power rating : DC 5V From PC Input AC 120V/60Hz  
Test Mode : Tx Mode  
M/N:PW-MN421

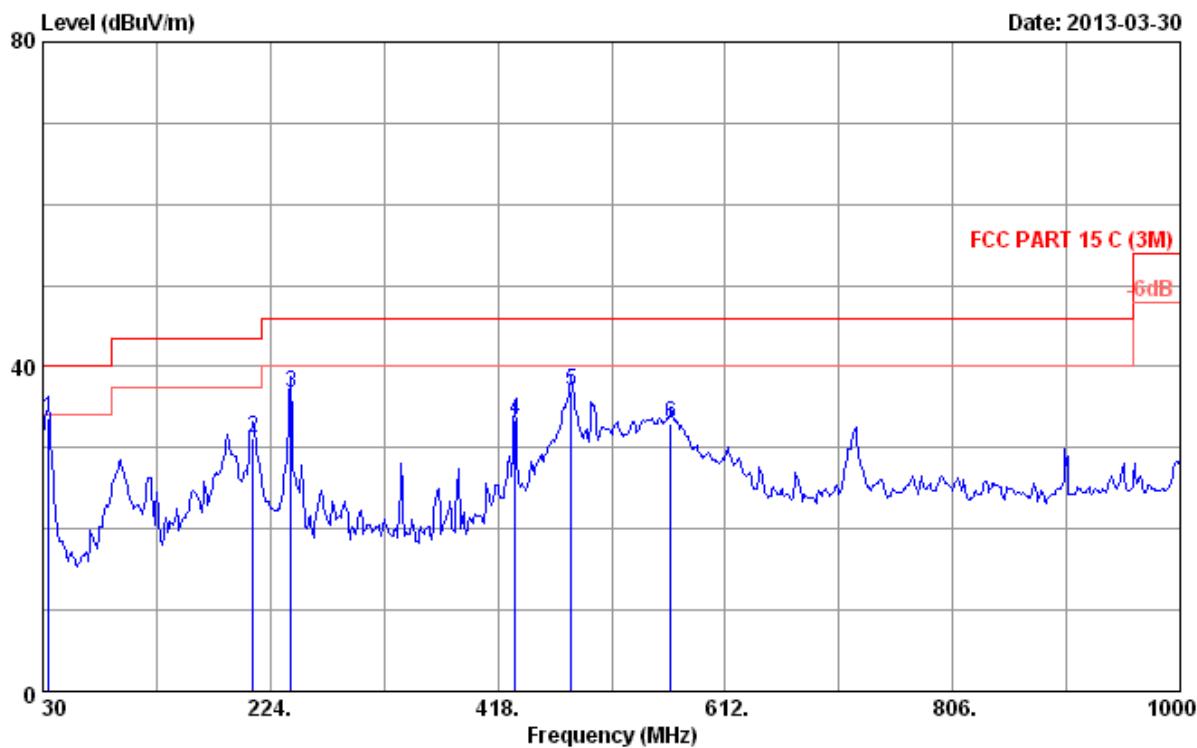
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission			
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	192.000	10.36	1.04	29.10	40.50	43.50	3.00
2	267.650	12.01	1.21	13.73	26.95	46.00	19.05
3	432.550	15.56	1.64	14.36	31.56	46.00	14.44
4	456.800	16.03	1.71	16.73	34.47	46.00	11.53
5	497.540	16.48	1.83	12.57	30.88	46.00	15.12
6	798.240	20.69	2.70	6.13	29.52	46.00	16.48

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

Data: 2

File: E:\2013 Report Data\P\Proware\ACS13Q0279.EM6 (4)

Date: 2013-03-30



Site no. : 3m Chamber Data no. : 2  
Dis. / Ant. : 3m 9168-429 Ant. pol. : VERTICAL  
Limit : FCC PART 15 C (3M)  
Env. / Ins. : 24°C/65% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power rating : DC 5V From PC Input AC 120V/60Hz  
Test Mode : Tx Mode  
M/N:PW-MN421

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.850	13.38	0.51	19.76	33.65	40.00	6.35	QP
2	209.450	10.06	1.09	19.98	31.13	43.50	12.37	QP
3	241.460	11.47	1.15	24.18	36.80	46.00	9.20	QP
4	432.550	15.56	1.64	16.23	33.43	46.00	12.57	QP
5	481.050	16.28	1.77	18.96	37.01	46.00	8.99	QP
6	565.440	17.65	2.01	13.33	32.99	46.00	13.01	QP

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

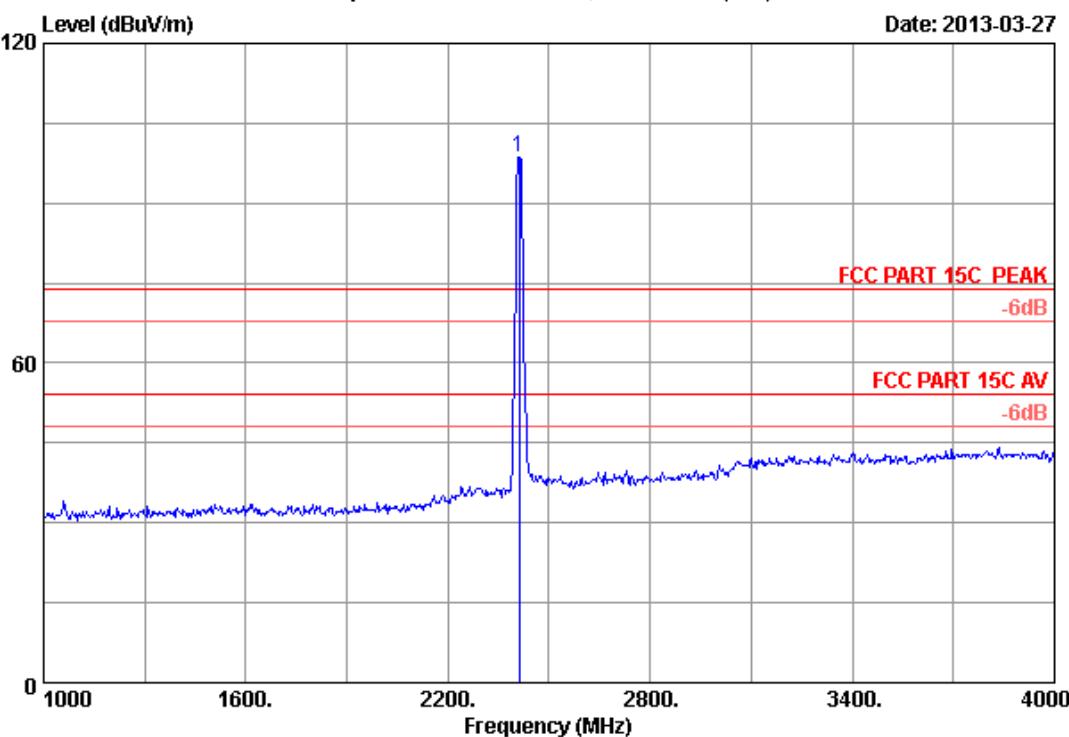
Frequency: 1GHz~18GHz

ANT: N2410CM-T-30U

Data: 1

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 1  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	101.61	98.57	74.00 -24.57 Peak

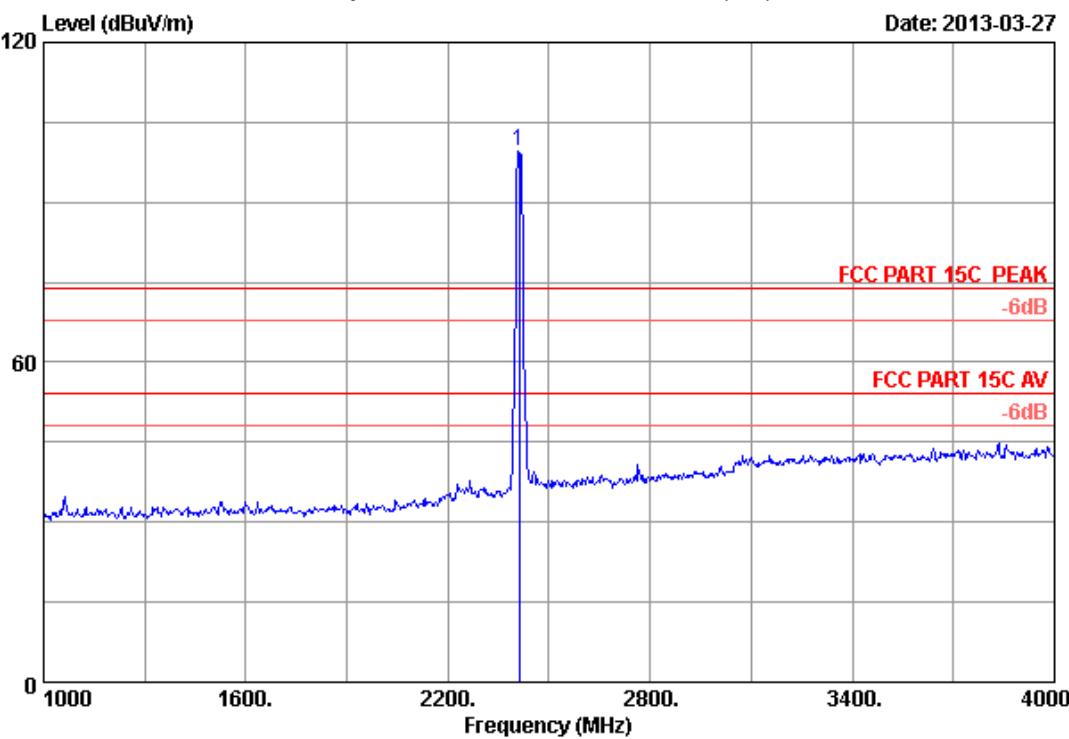
## Remarks:

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

Data: 2

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27

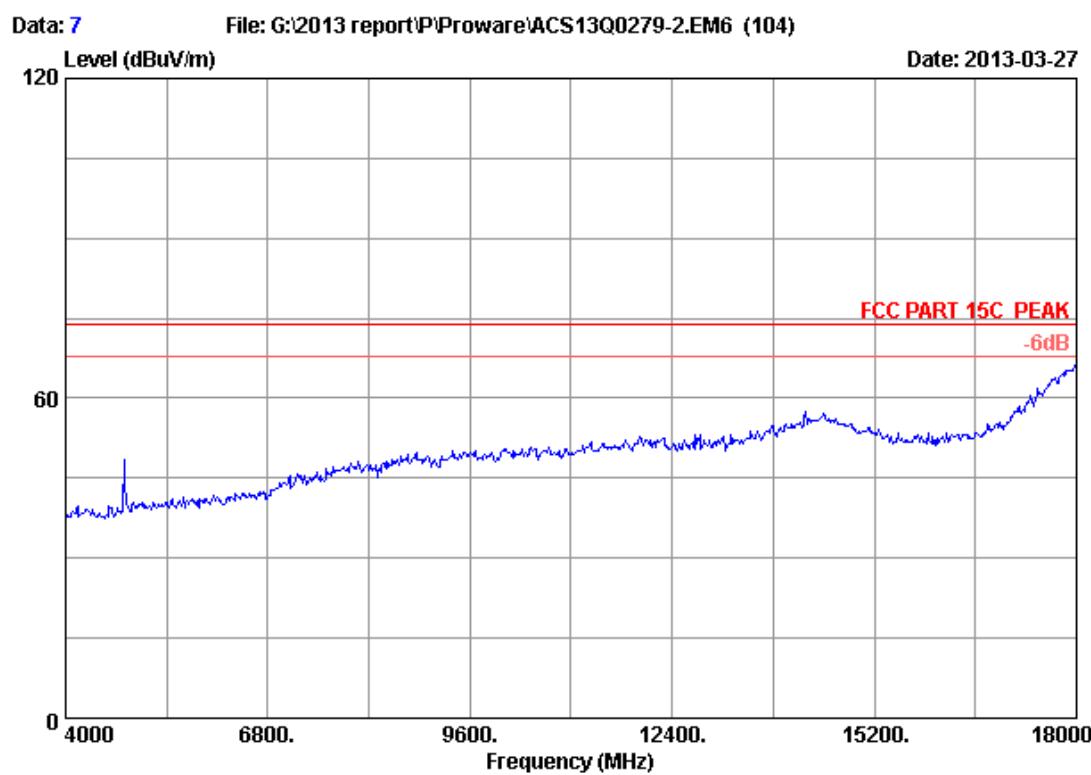


Site no. : 3m Chamber Data no. : 2  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

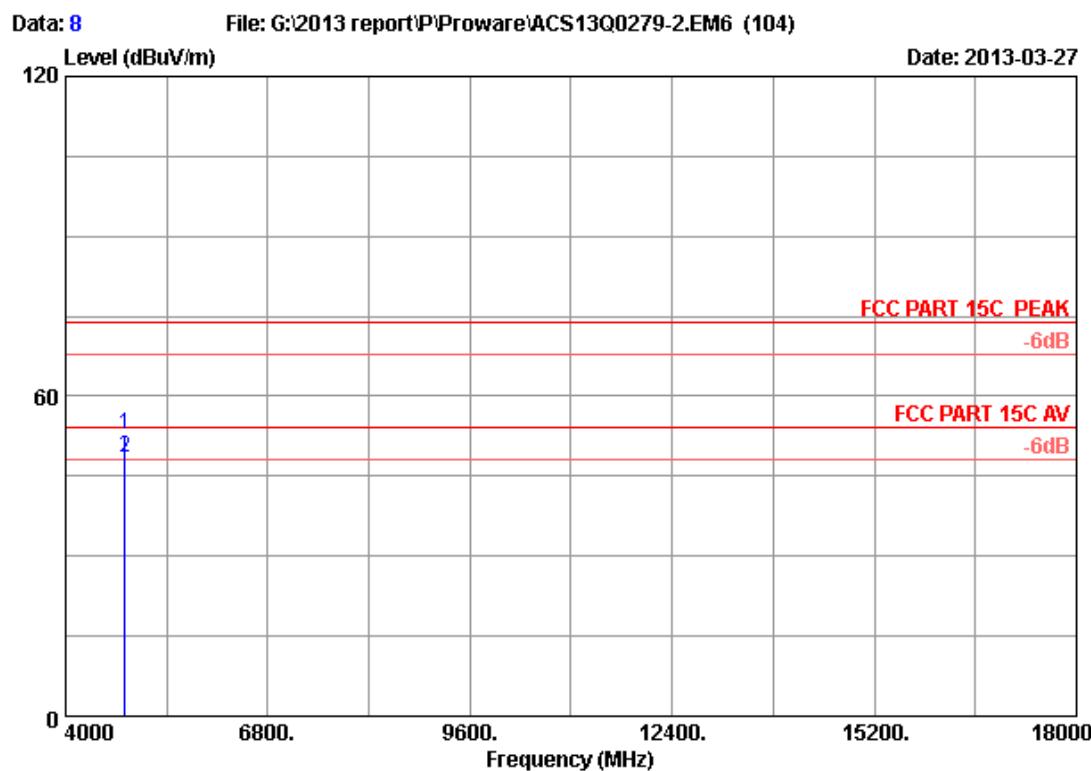
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2412.000	26.84	6.04	35.92	102.62	99.58	74.00 -25.58 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 7  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

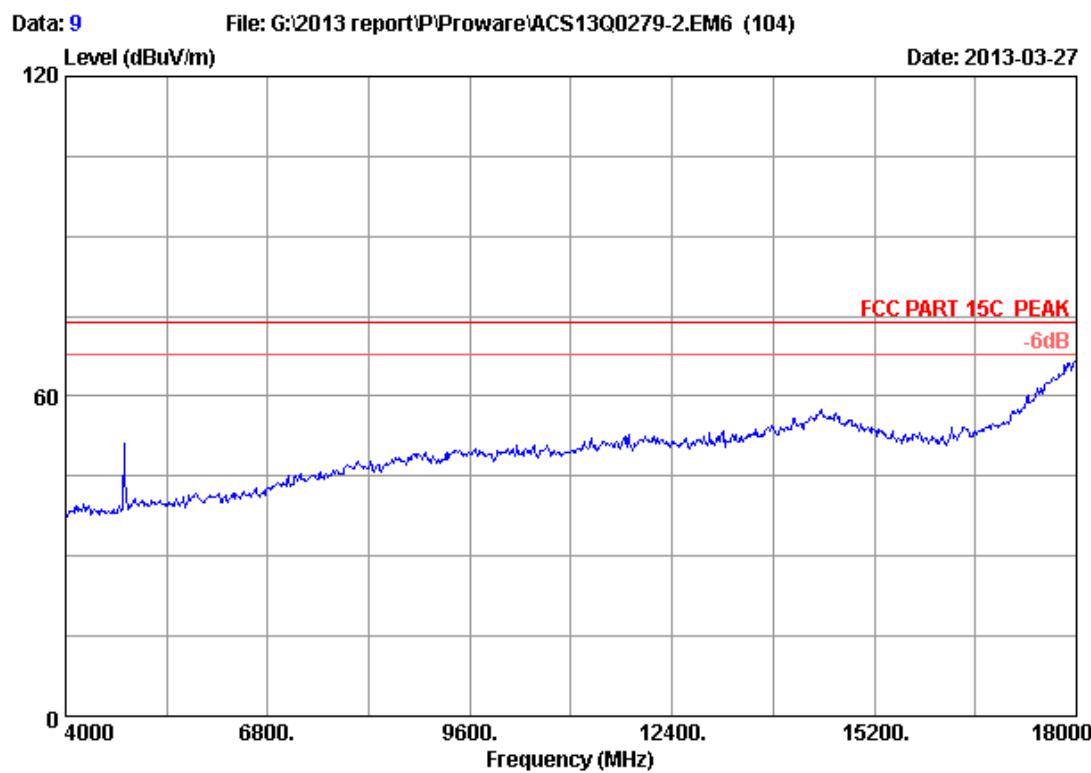


Site no. : 3m Chamber Data no. : 8  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

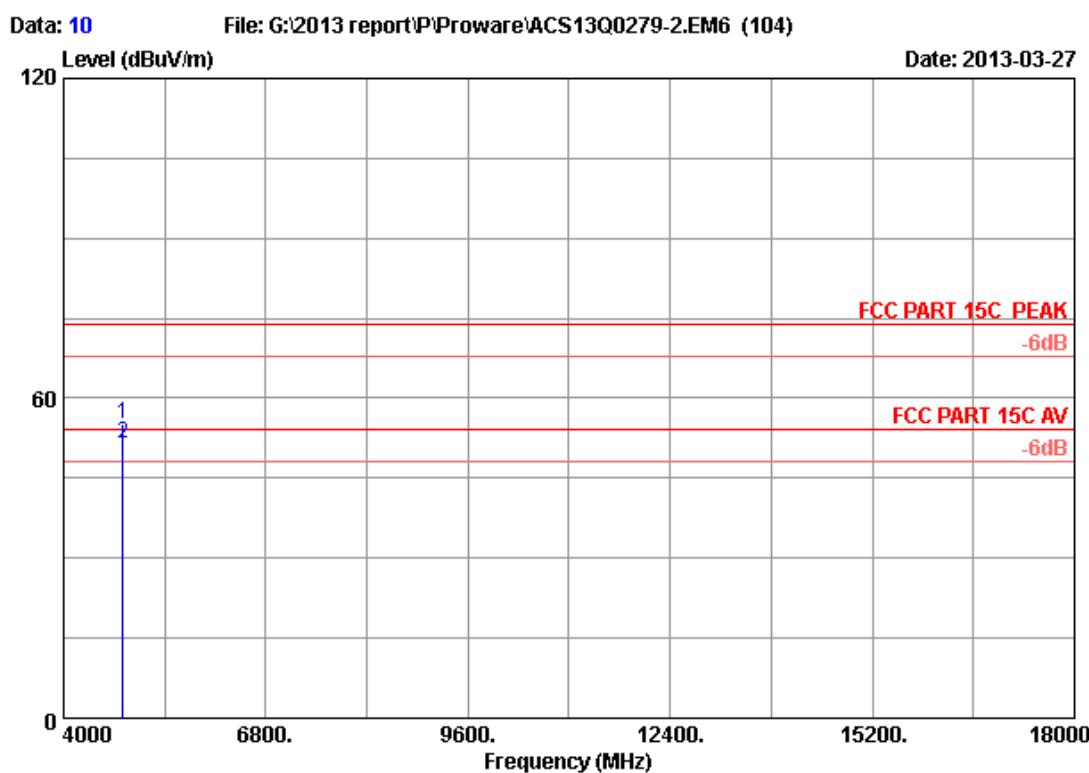
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	47.17	52.66	74.00	21.34 Peak
2	4824.000	32.51	8.69	35.71	43.10	48.59	54.00	5.41 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 9  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

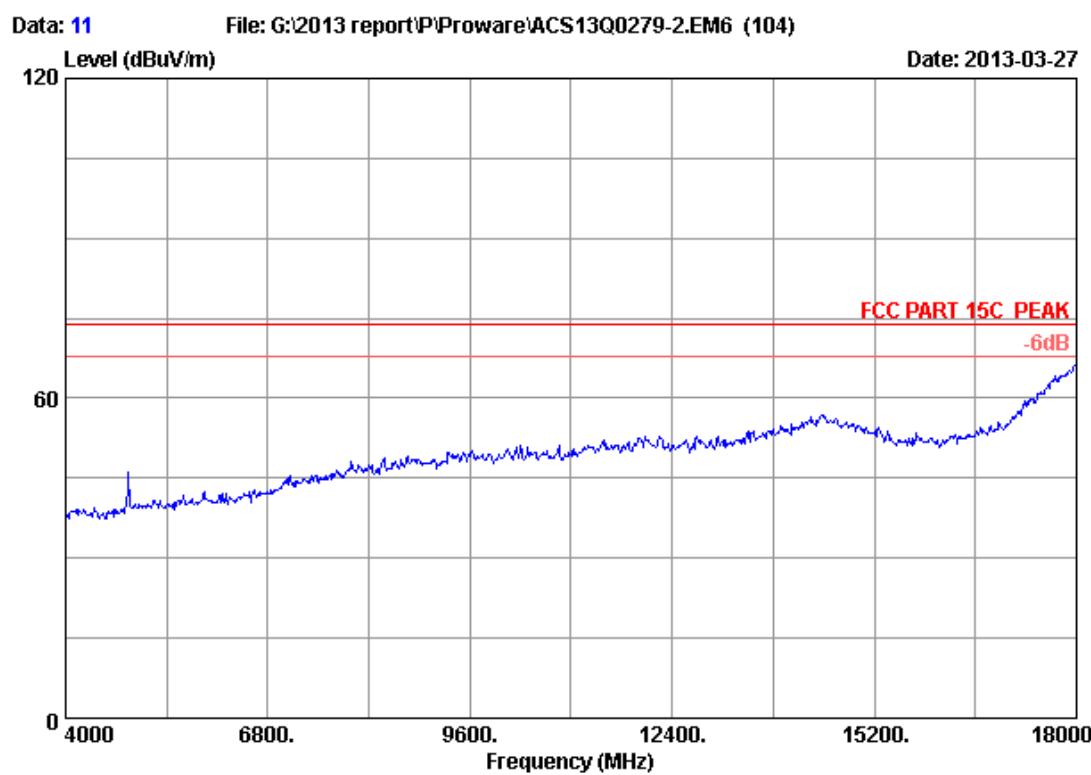


Site no. : 3m Chamber Data no. : 10  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

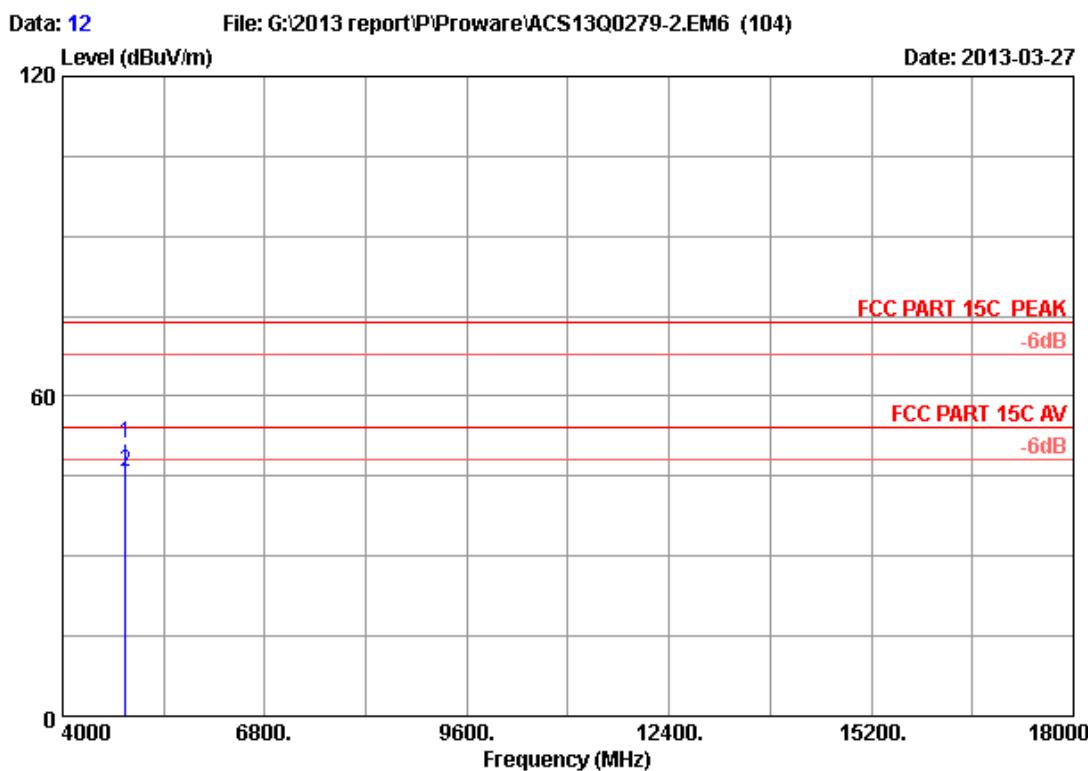
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	49.75	55.24	74.00	18.76 Peak
2	4824.000	32.51	8.69	35.71	45.88	51.37	54.00	2.63 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 11  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

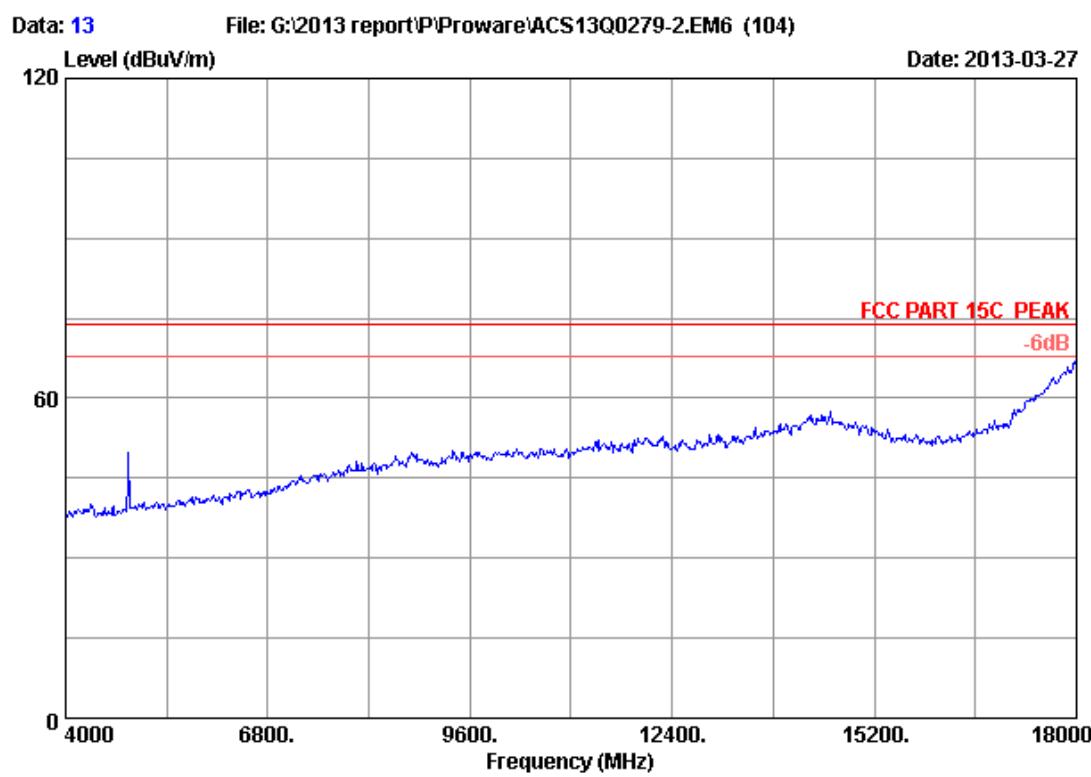


Site no. : 3m Chamber Data no. : 12  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

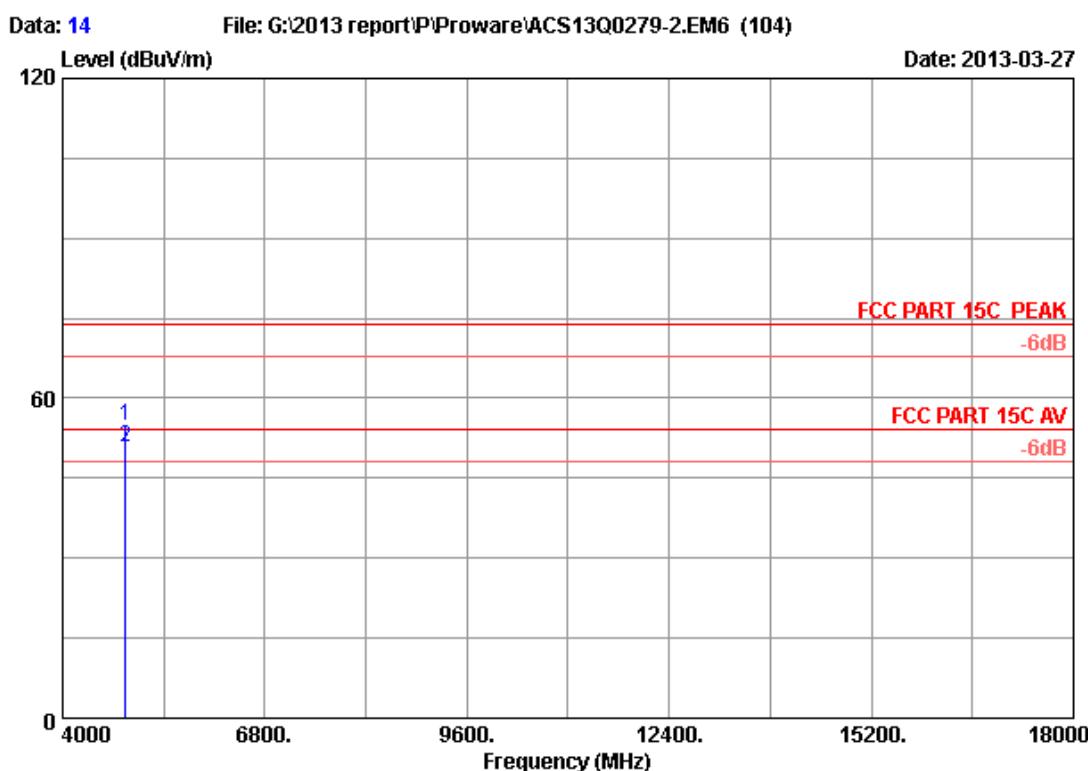
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.49	51.15	74.00	22.85 Peak
2	4874.000	32.62	8.73	35.69	40.08	45.74	54.00	8.26 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 13  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

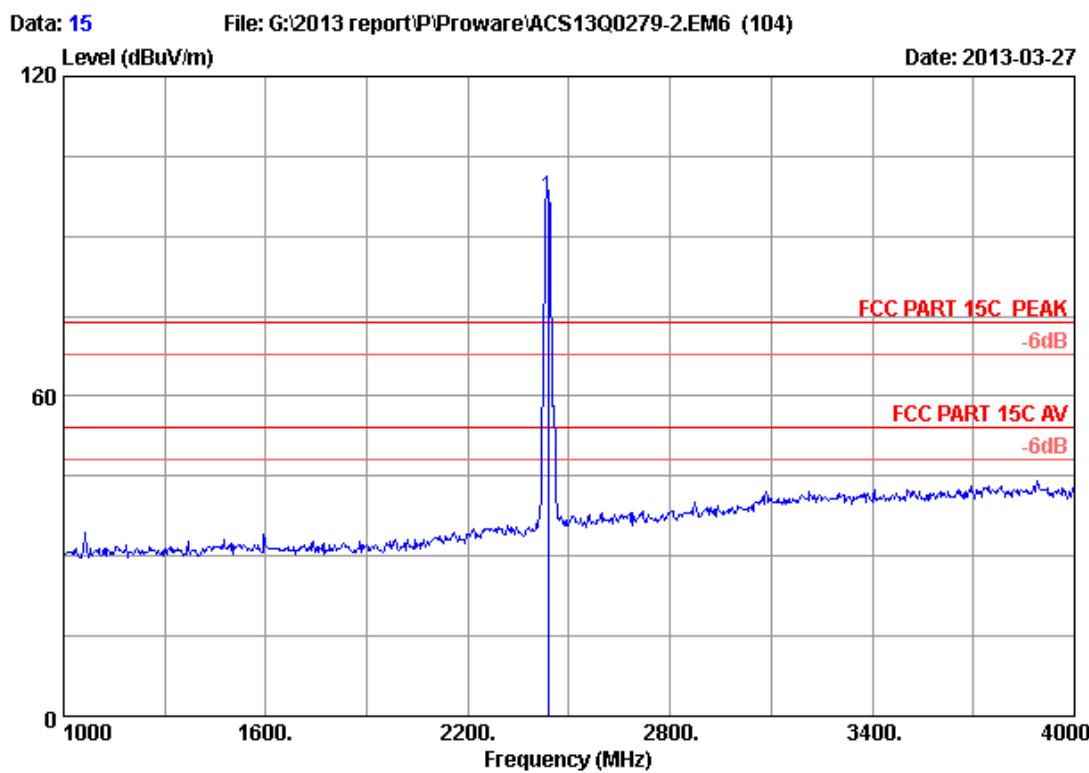


Site no. : 3m Chamber Data no. : 14  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	49.22	54.88	74.00	19.12 Peak
2	4874.000	32.62	8.73	35.69	45.06	50.72	54.00	3.28 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 15  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	100.19	97.35	74.00 -23.35 Peak

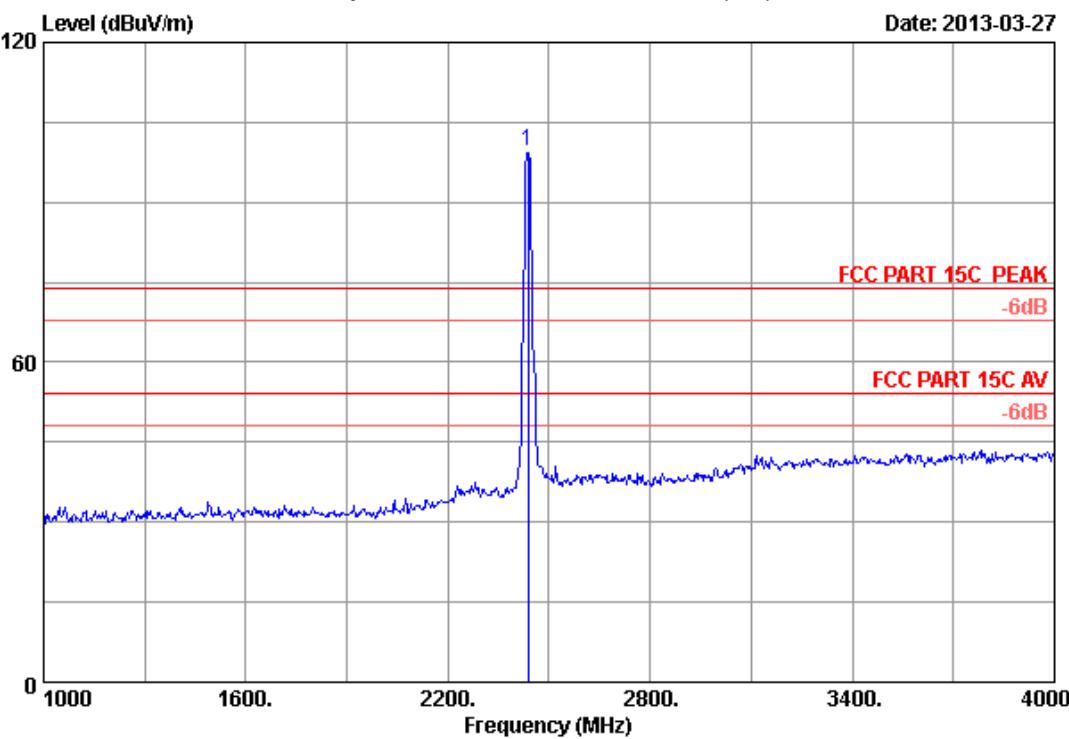
Remarks:

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

Data: 16

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27

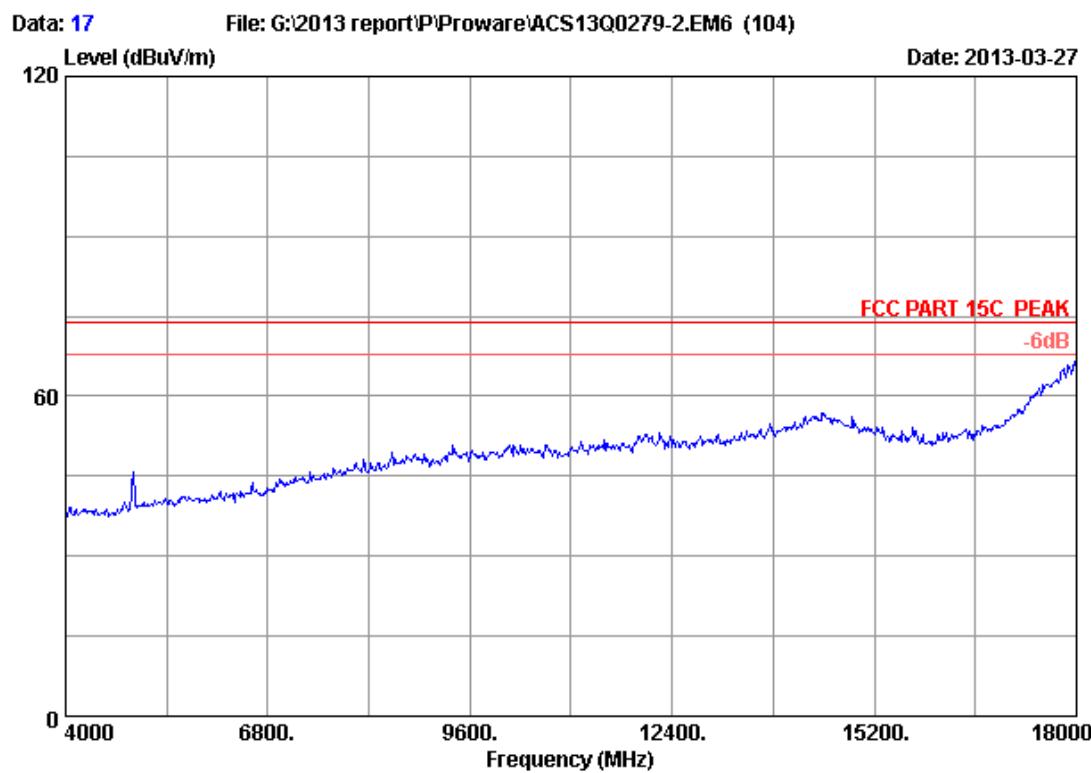


Site no. : 3m Chamber Data no. : 16  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

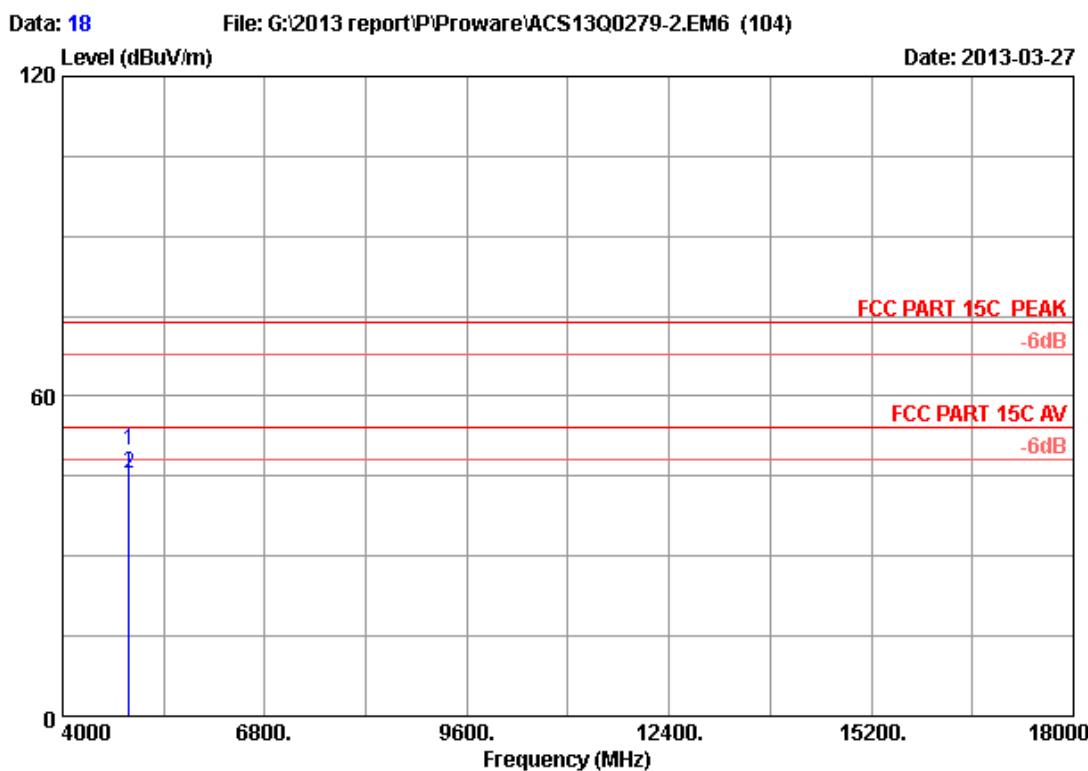
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2437.000	27.00	6.08	35.92	102.30	99.46	74.00 -25.46 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 17  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

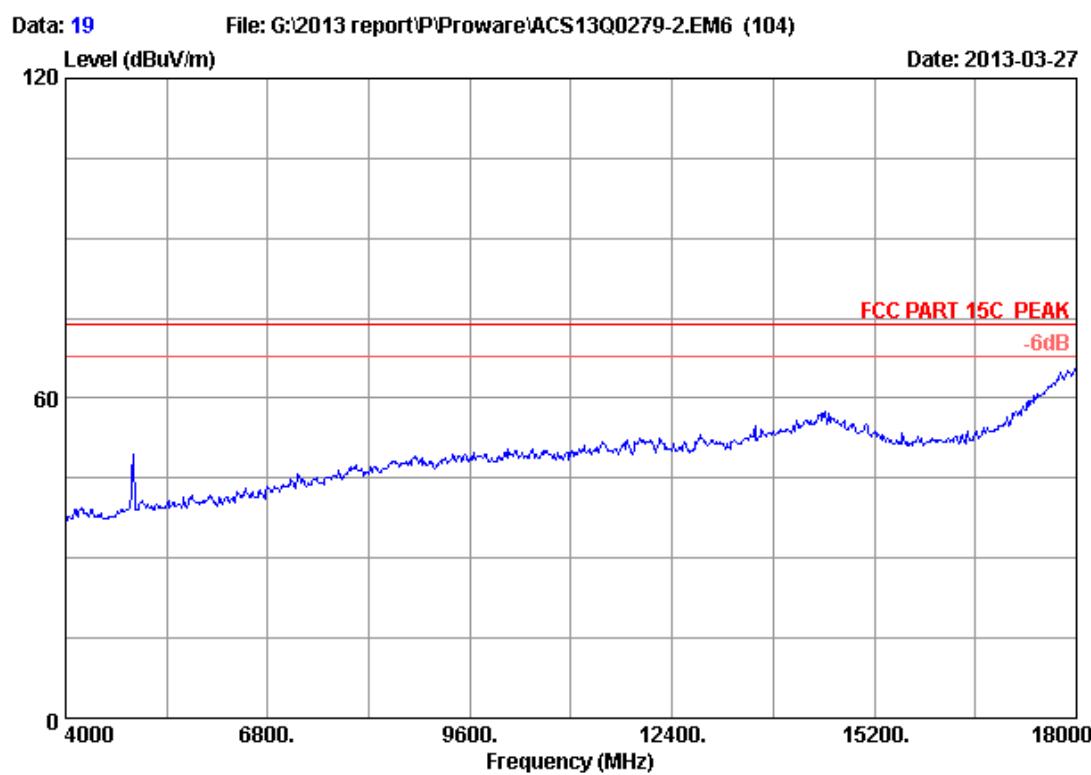


Site no. : 3m Chamber Data no. : 18  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

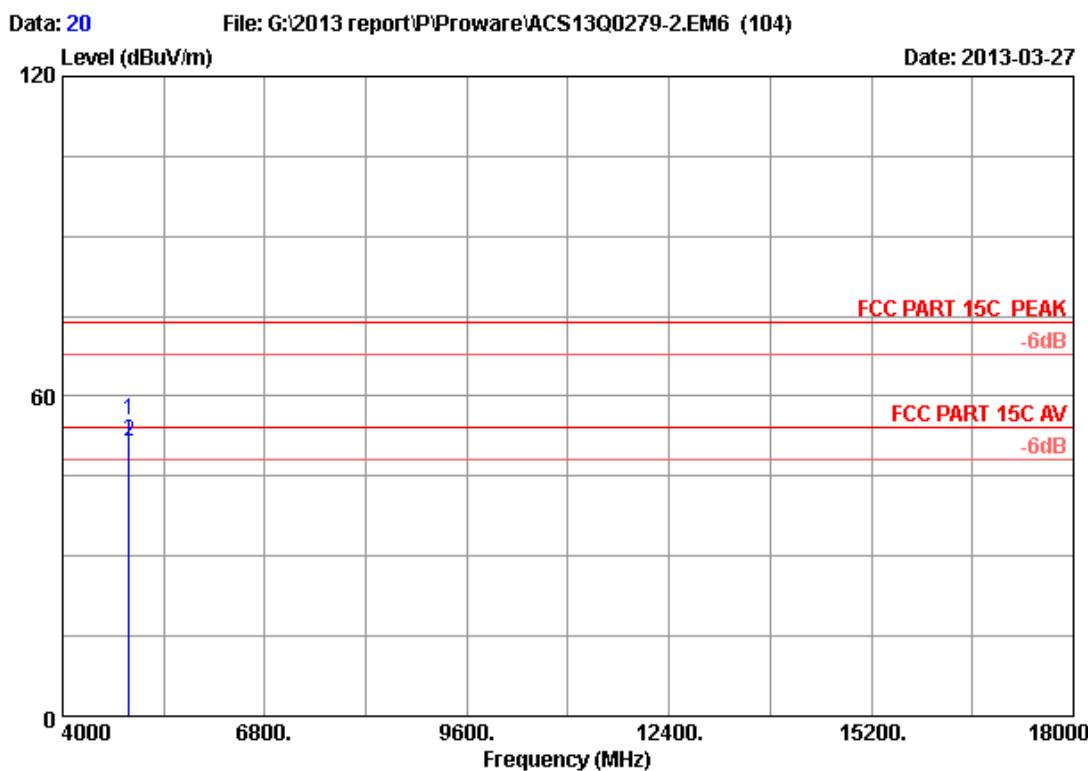
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	44.05	49.88	74.00	24.12 Peak
2	4924.000	32.73	8.78	35.68	39.77	45.60	54.00	8.40 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 19  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

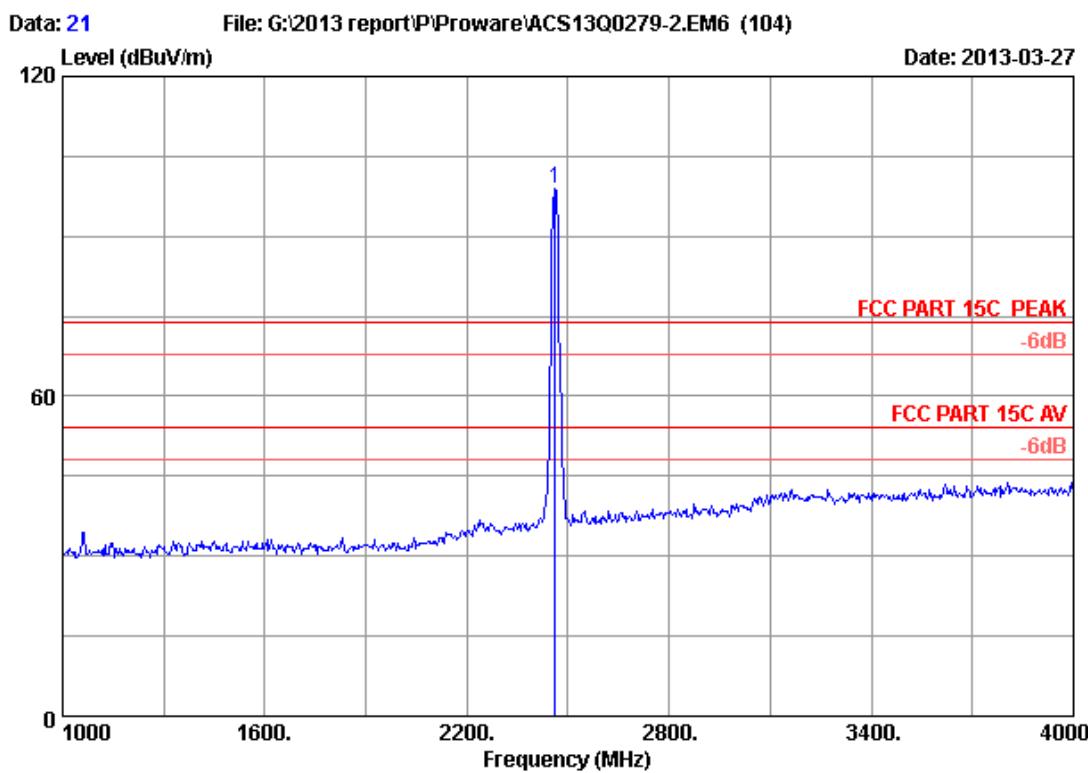


Site no. : 3m Chamber Data no. : 20  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	49.65	55.48	74.00	18.52 Peak
2	4924.000	32.73	8.78	35.68	45.52	51.35	54.00	2.65 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 21  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	101.59	98.95	74.00 -24.95 Peak

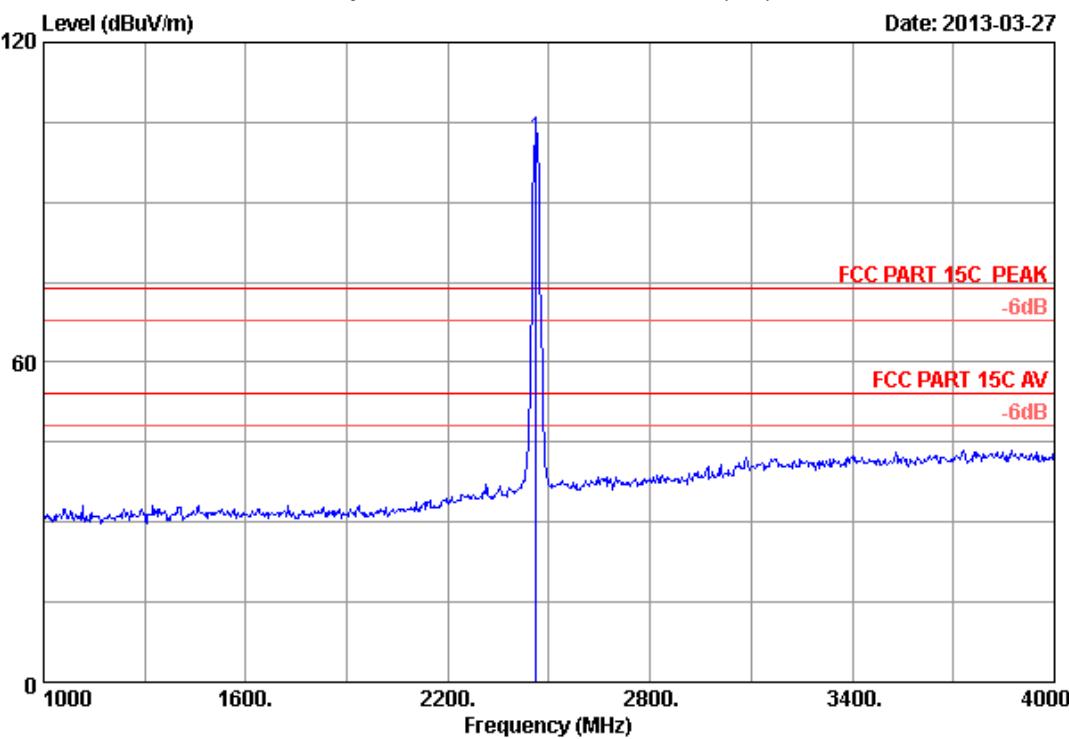
Remarks:

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

Data: 22

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

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Site no. : 3m Chamber Data no. : 22  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	104.65	102.01	74.00	-28.01	Peak

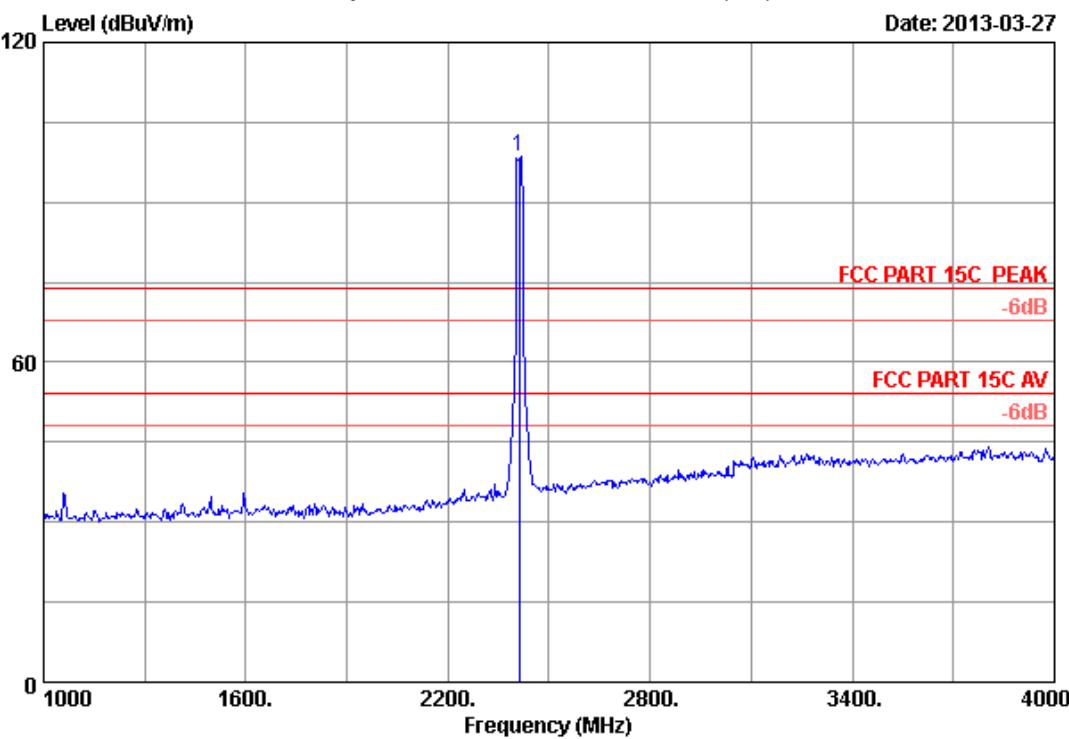
## Remarks:

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

Data: 27

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27

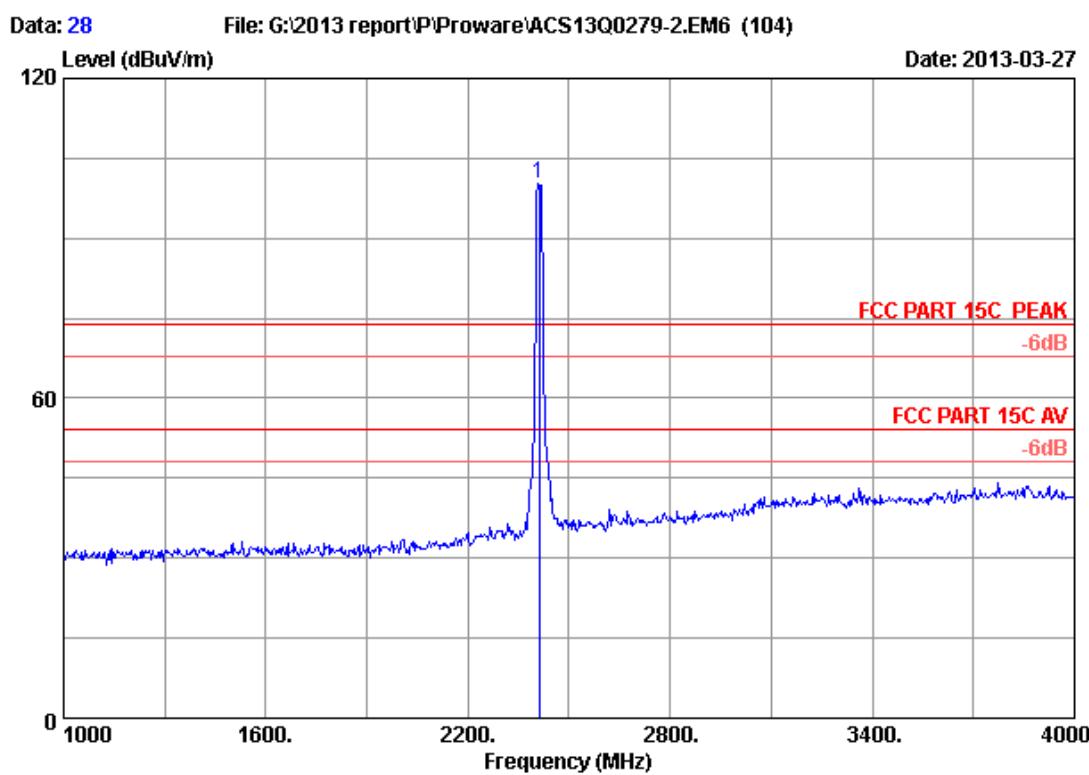


Site no. : 3m Chamber Data no. : 27  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2412.000	26.84	6.04	35.92	101.65	98.61	74.00 -24.61 Peak

## Remarks:

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

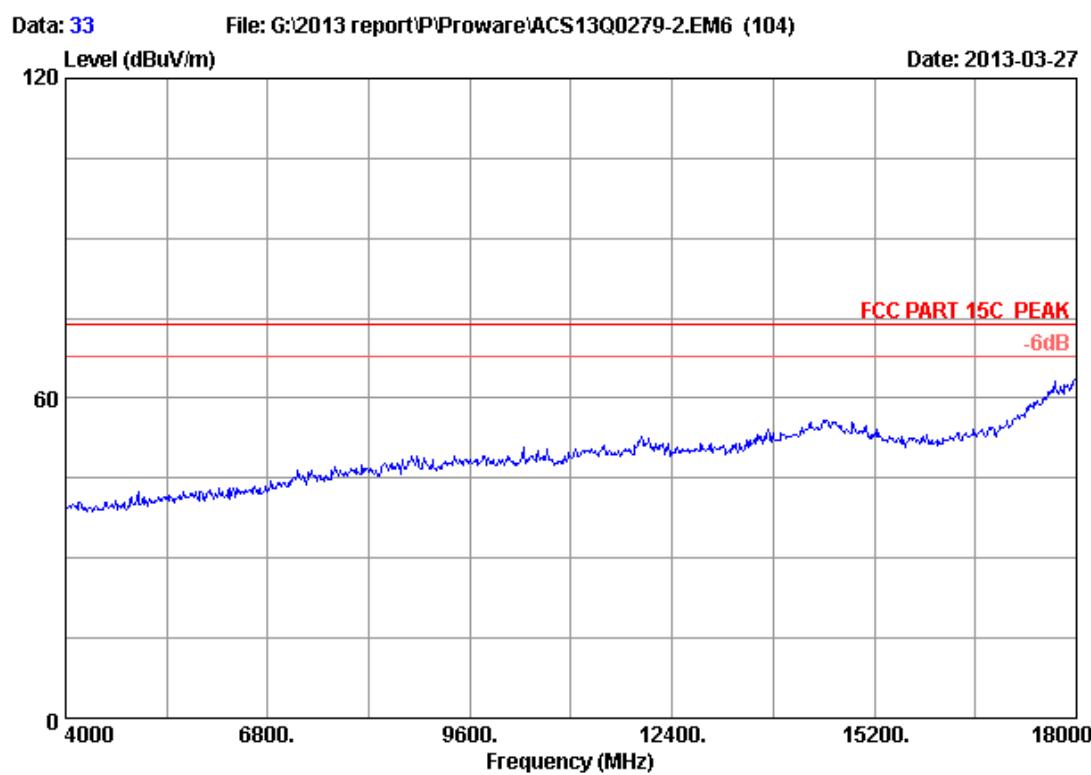


Site no. : 3m Chamber Data no. : 28  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	103.23	100.19	74.00	-26.19 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

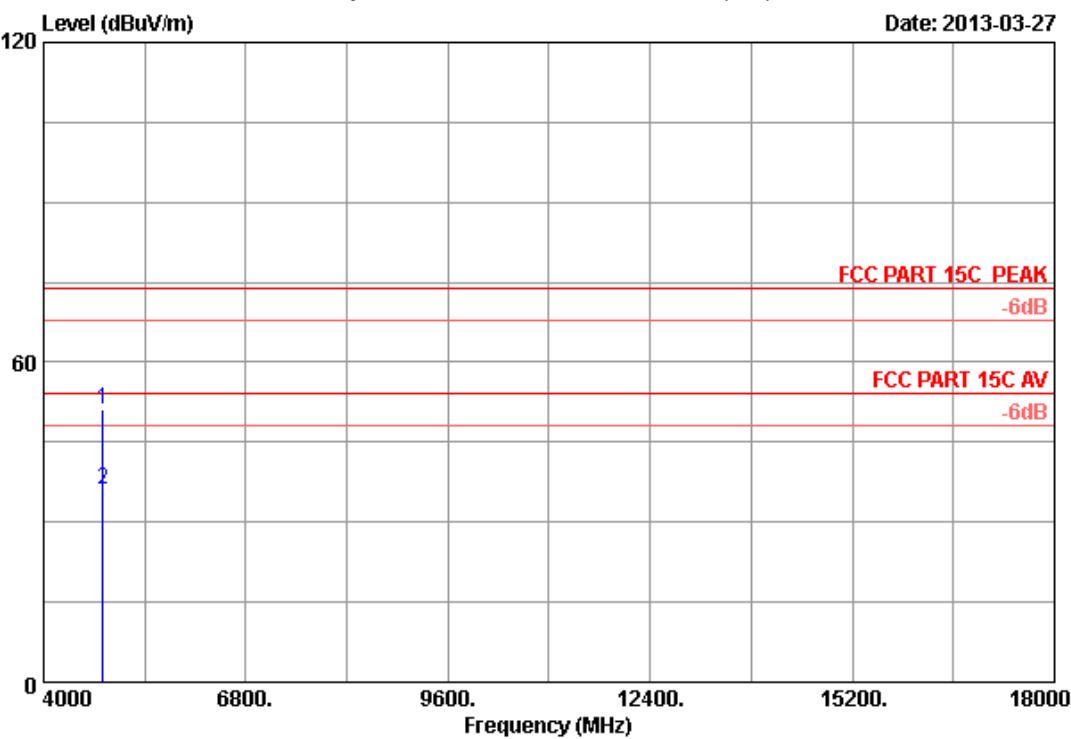


Site no. : 3m Chamber Data no. : 33  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 34

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Date: 2013-03-27

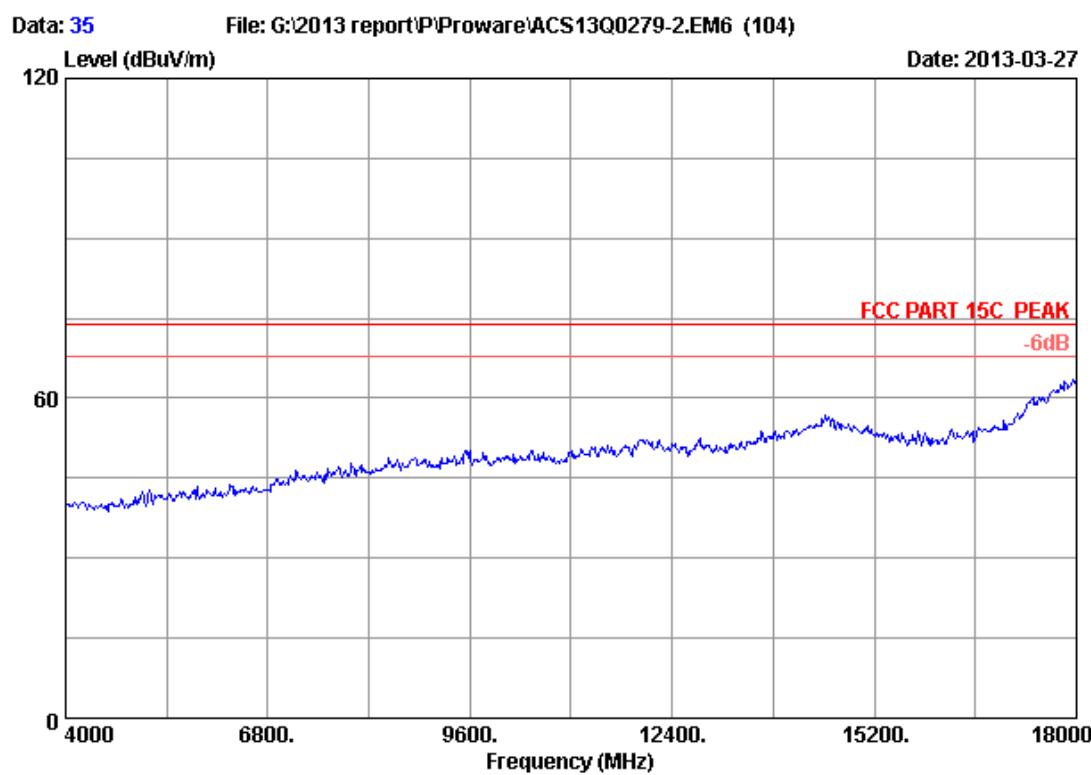


Site no. : 3m Chamber Data no. : 34  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

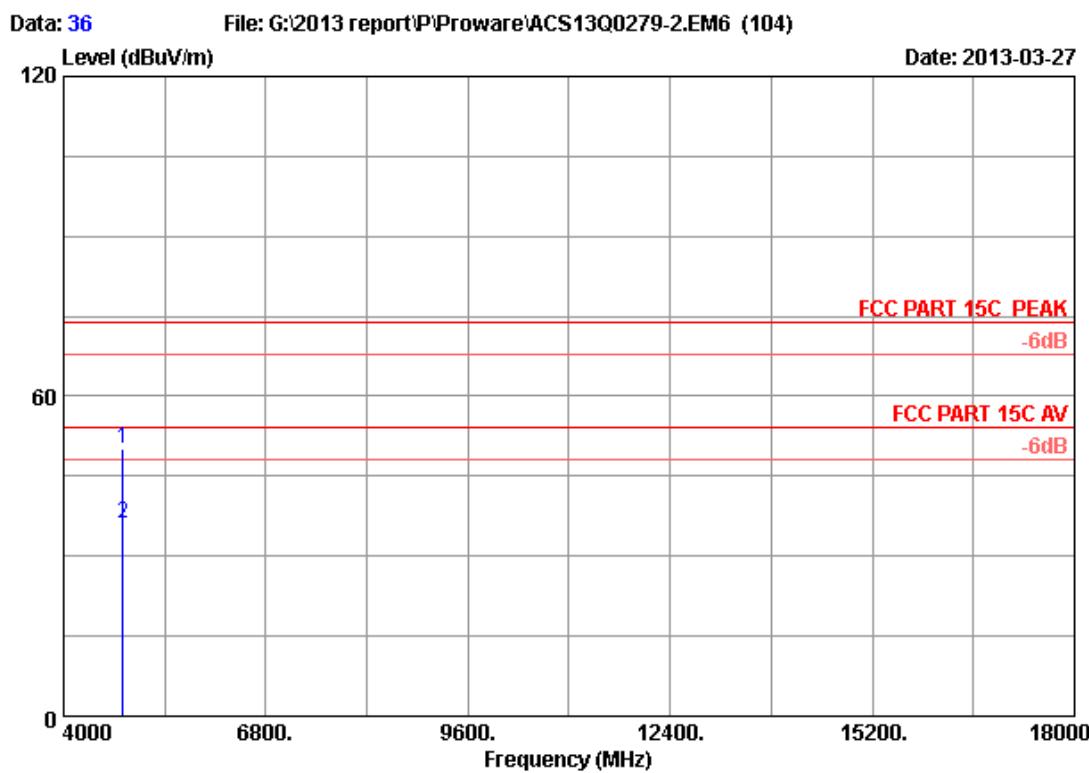
Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 4824.000	32.51	8.69	35.71	45.66	51.15	74.00	22.85	Peak
2 4824.000	32.51	8.69	35.71	30.78	36.27	54.00	17.73	Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 35  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

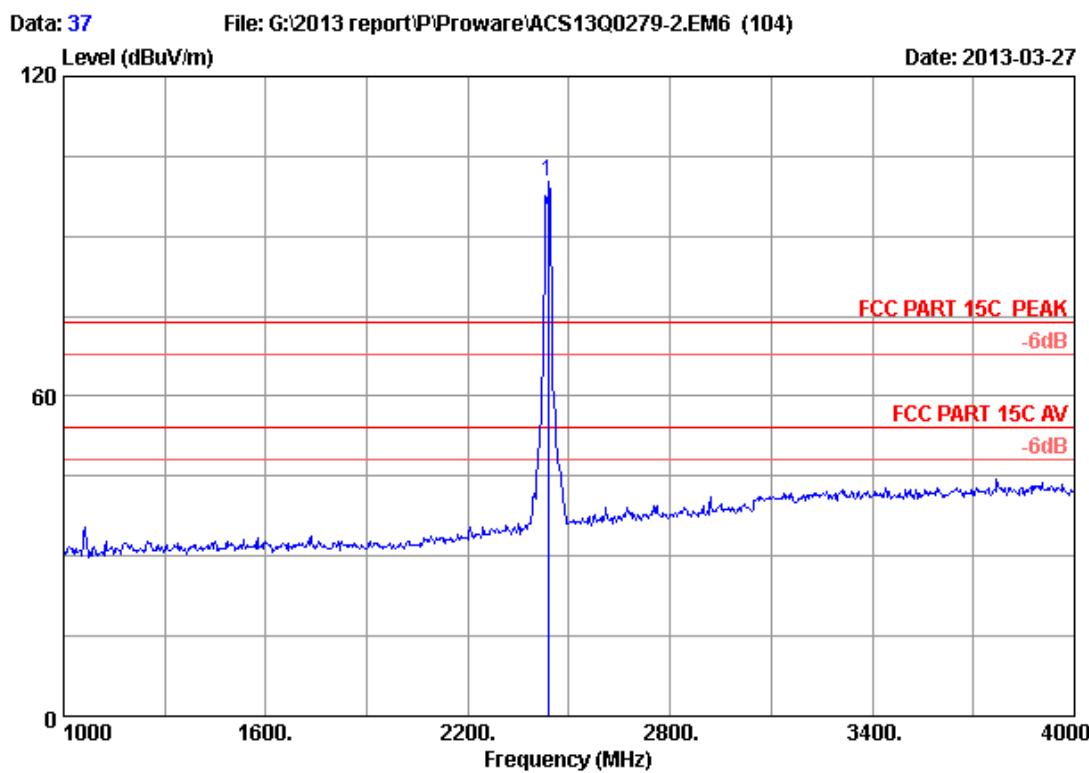


Site no. : 3m Chamber Data no. : 36  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	44.57	50.06	74.00	23.94 Peak
2	4824.000	32.51	8.69	35.71	30.52	36.01	54.00	17.99 Average

Remarks:

- Emission Level = Antenna Factor + Cable Loss - Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

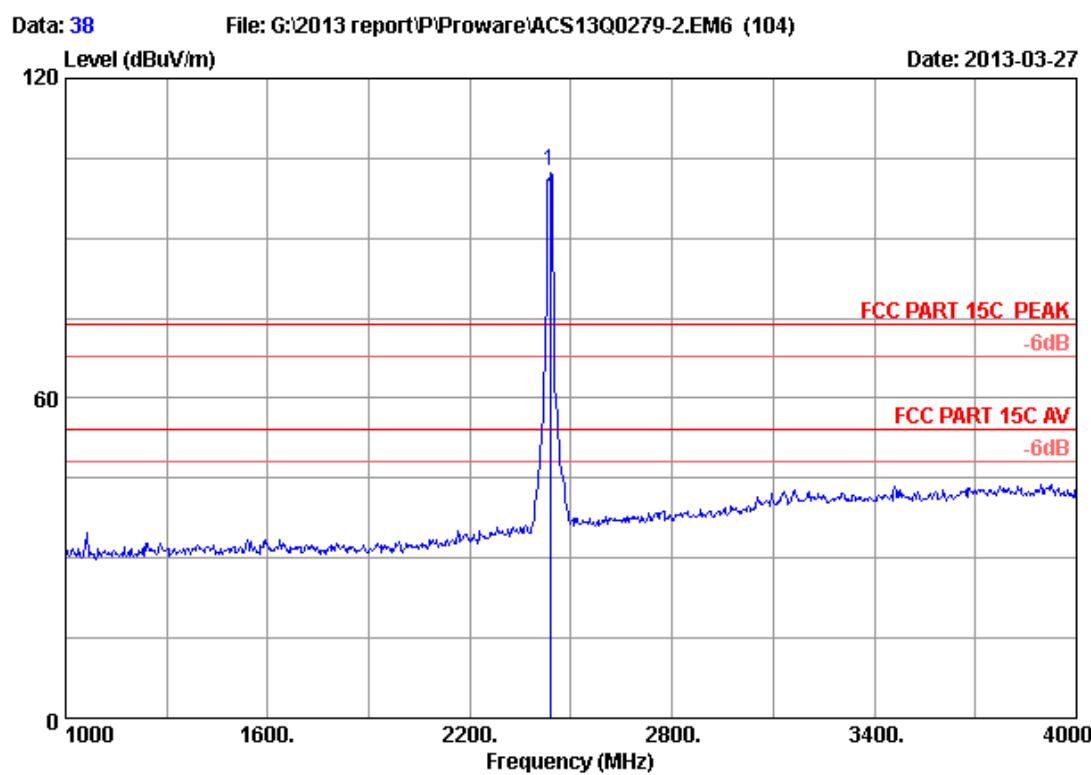


Site no. : 3m Chamber Data no. : 37  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	103.11	100.27	74.00	-26.27 Peak

Remarks:

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

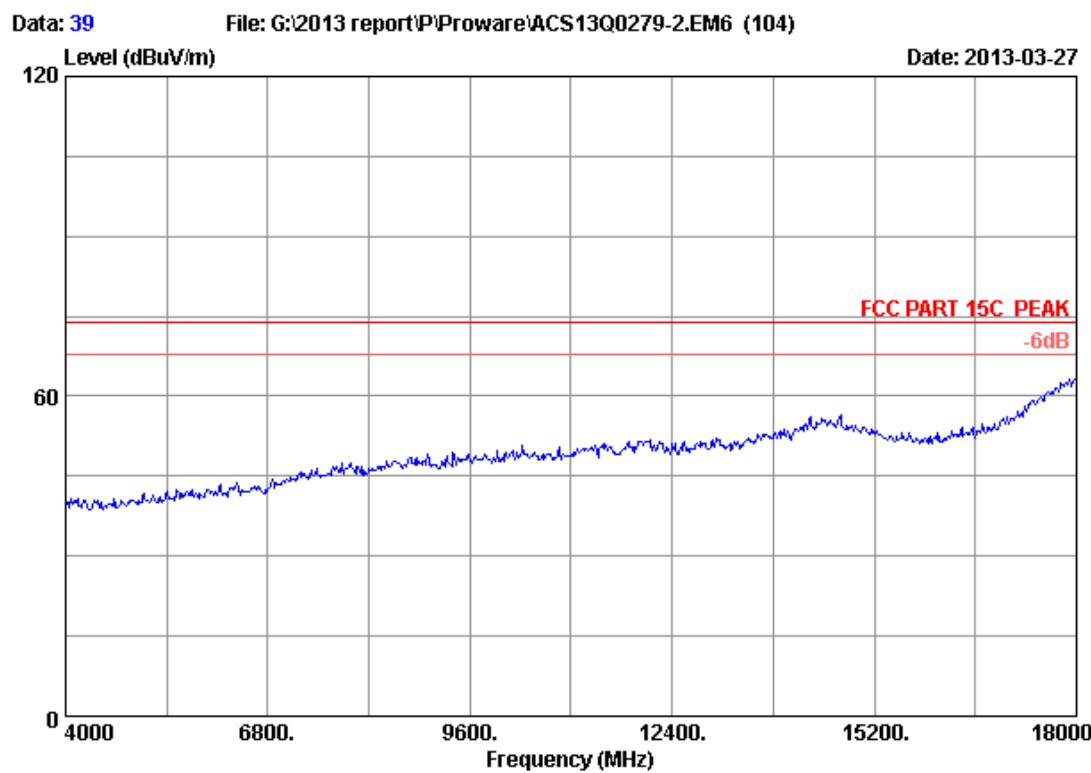


Site no. : 3m Chamber Data no. : 38  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

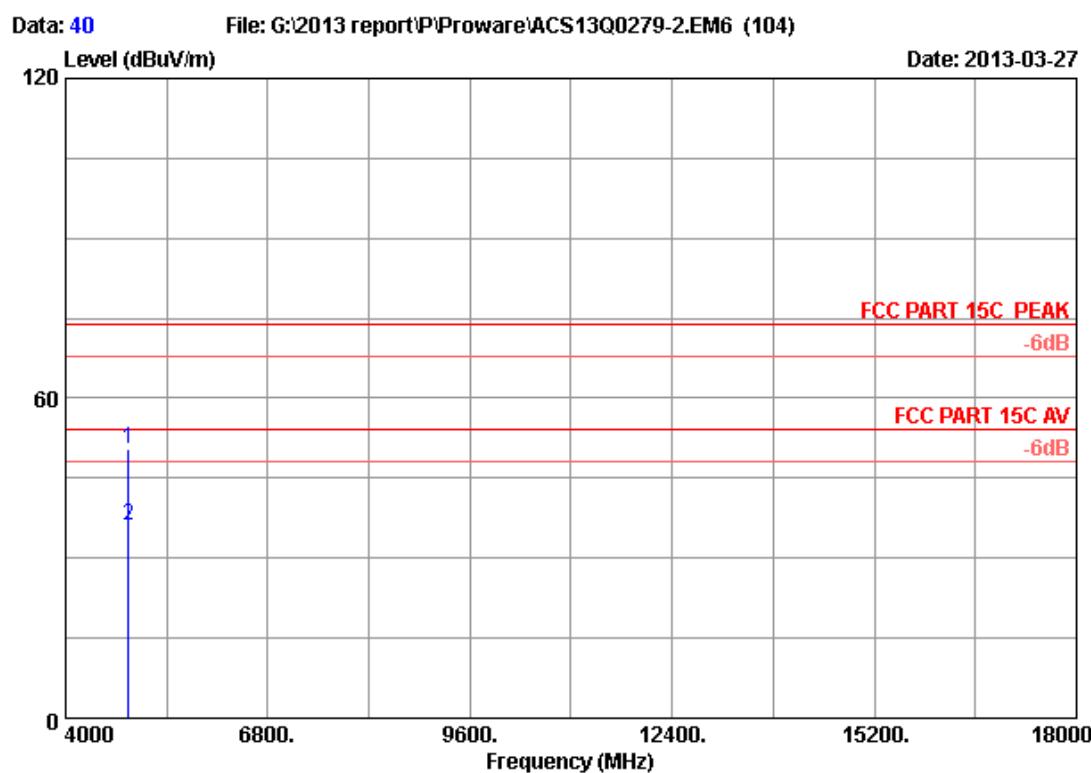
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	105.39	102.55	74.00 -28.55 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 39  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

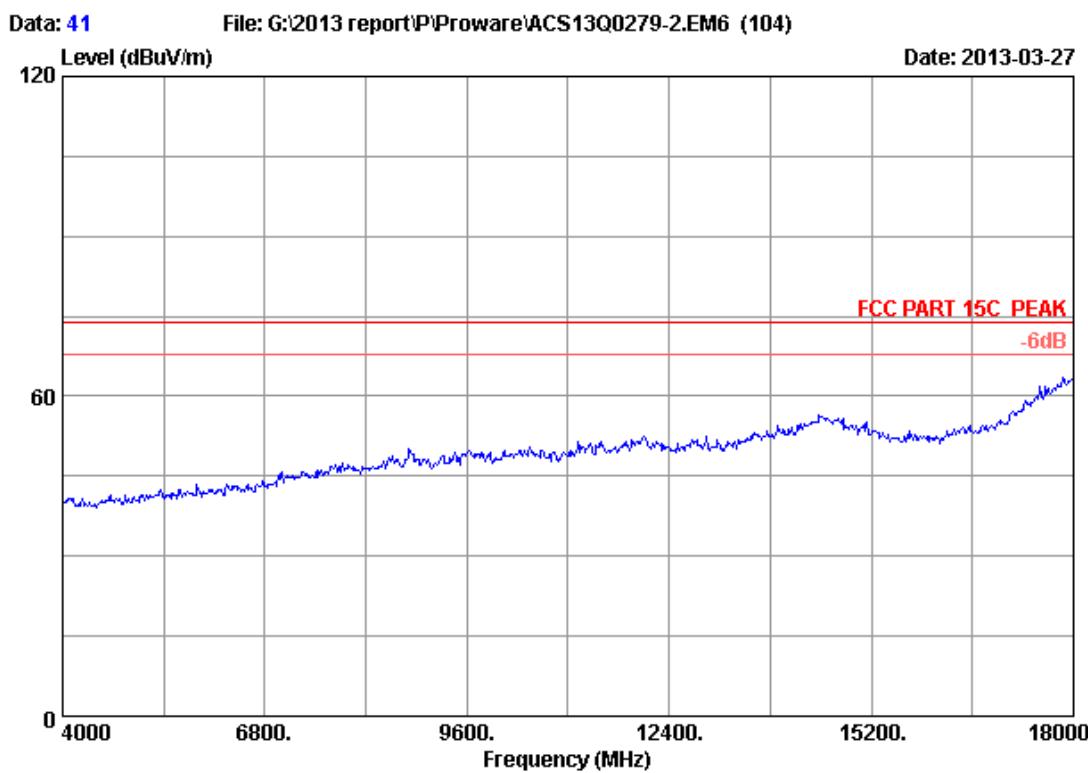


Site no. : 3m Chamber Data no. : 40  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

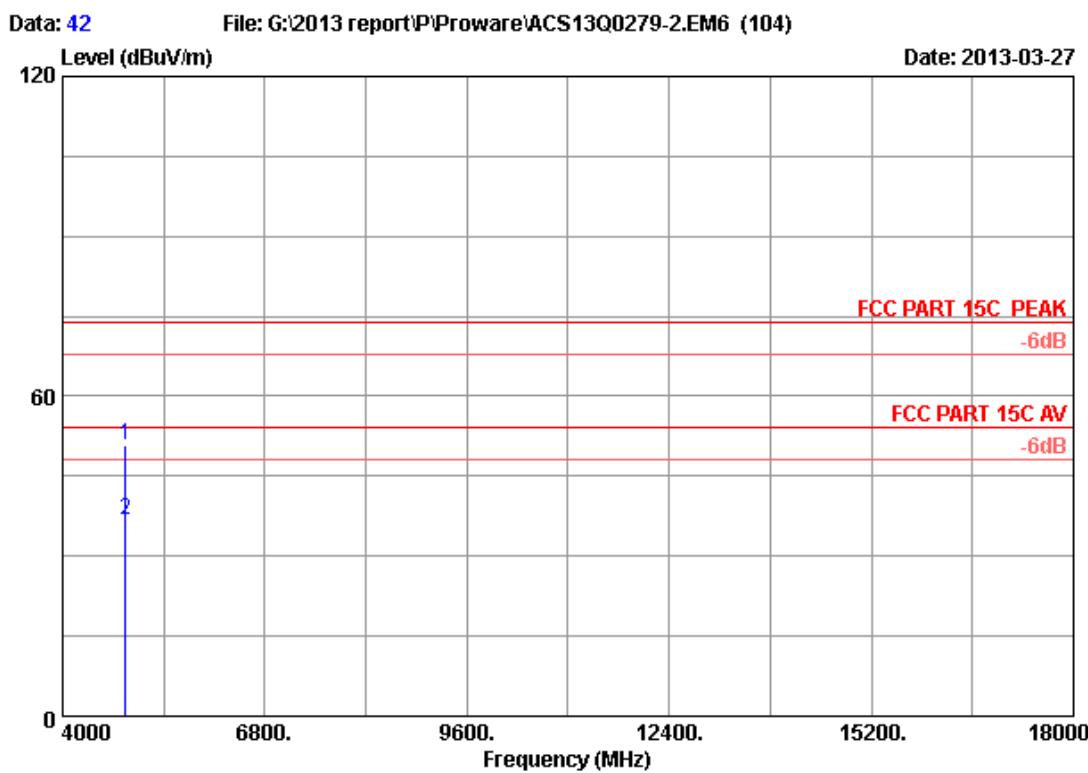
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	44.95	50.61	74.00	23.39 Peak
2	4874.000	32.62	8.73	35.69	30.56	36.22	54.00	17.78 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 41  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U



Site no. : 3m Chamber Data no. : 42  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.28	50.94	74.00	23.06 Peak
2	4874.000	32.62	8.73	35.69	31.24	36.90	54.00	17.10 Average

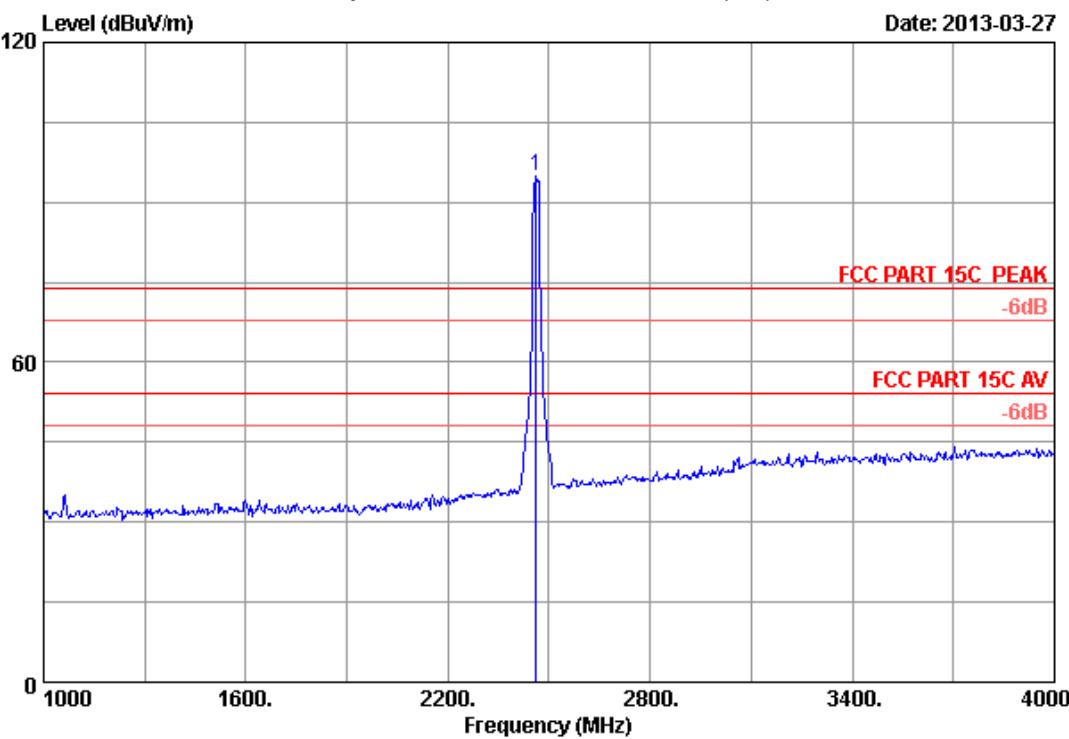
Remarks:

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

Data: 43

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Site no. : 3m Chamber Data no. : 43  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2462.000	27.16	6.12	35.92	97.47	94.83	74.00 -20.83 Peak

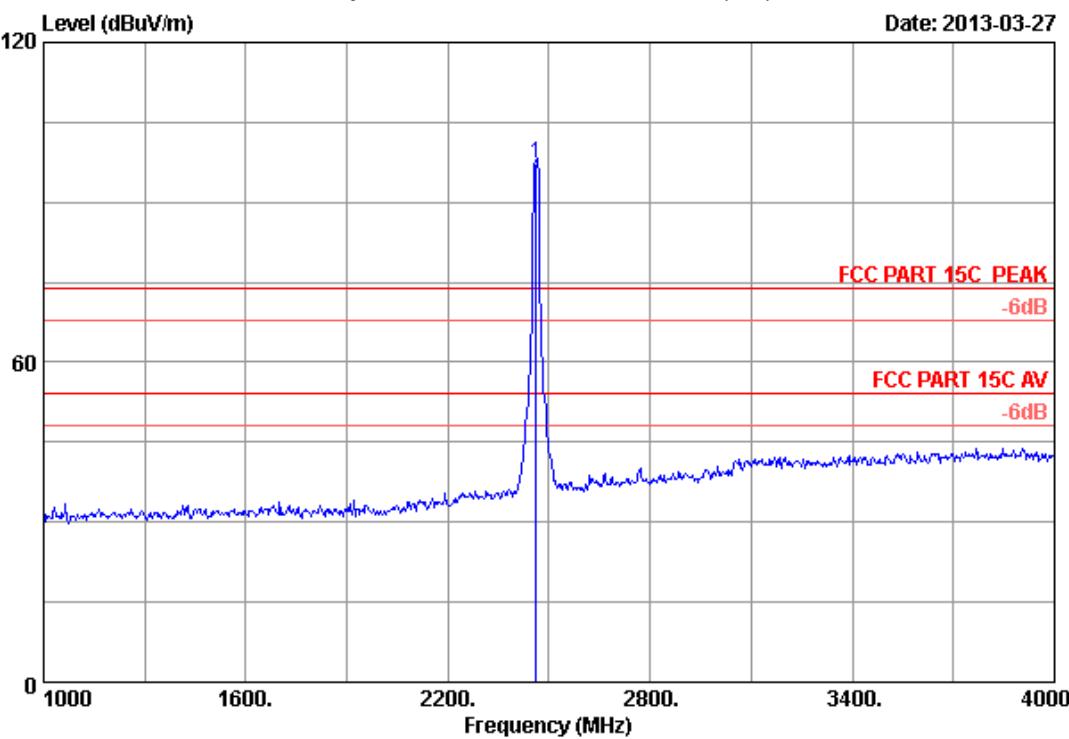
## Remarks:

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

Data: 44

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

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Site no. : 3m Chamber Data no. : 44  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2462.000	27.16	6.12	35.92	100.03	97.39	-23.39

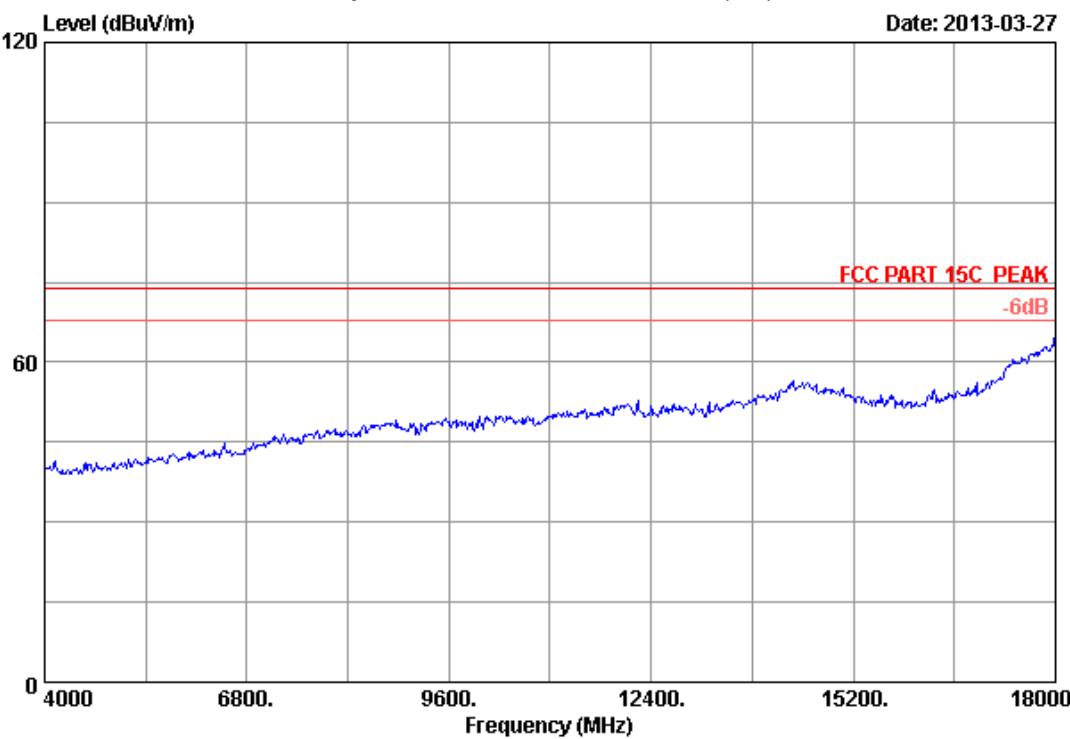
## Remarks:

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

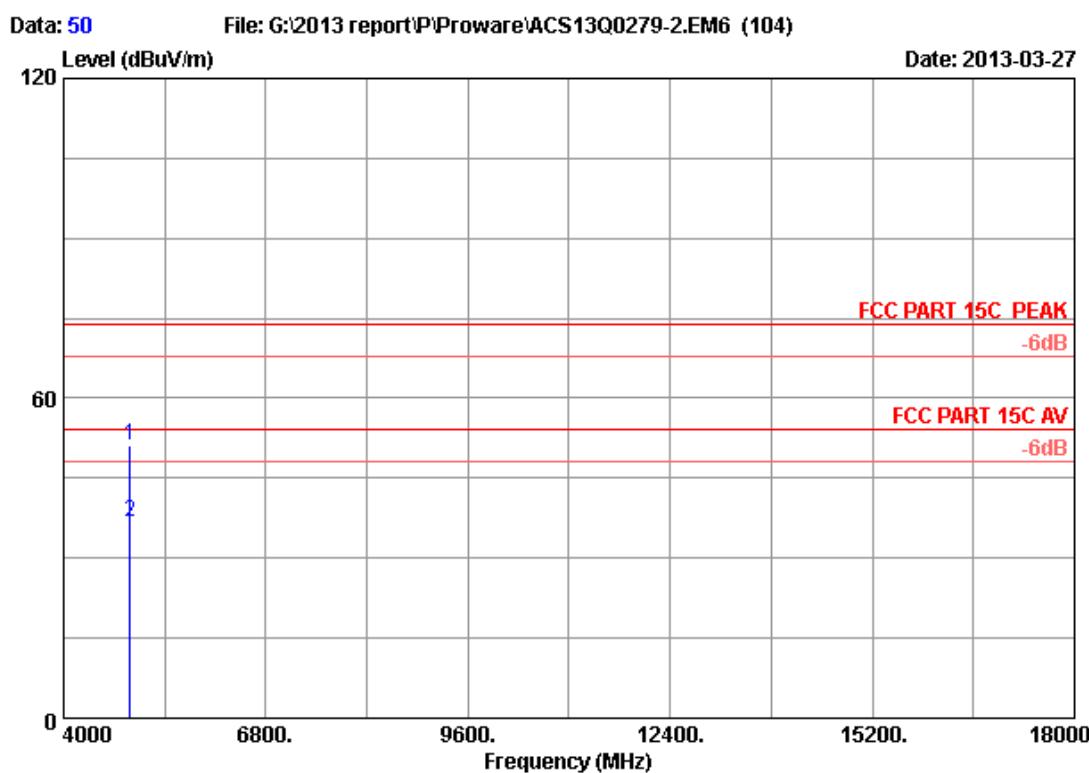
Data: 49

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 49  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

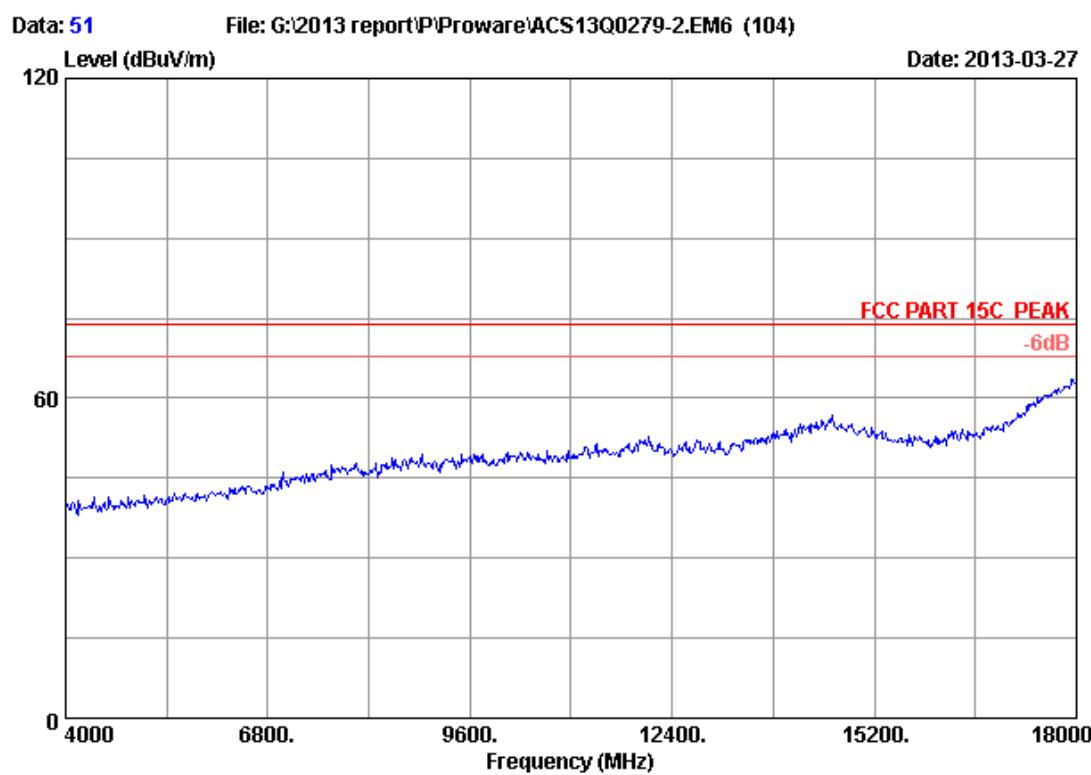


Site no. : 3m Chamber Data no. : 50  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

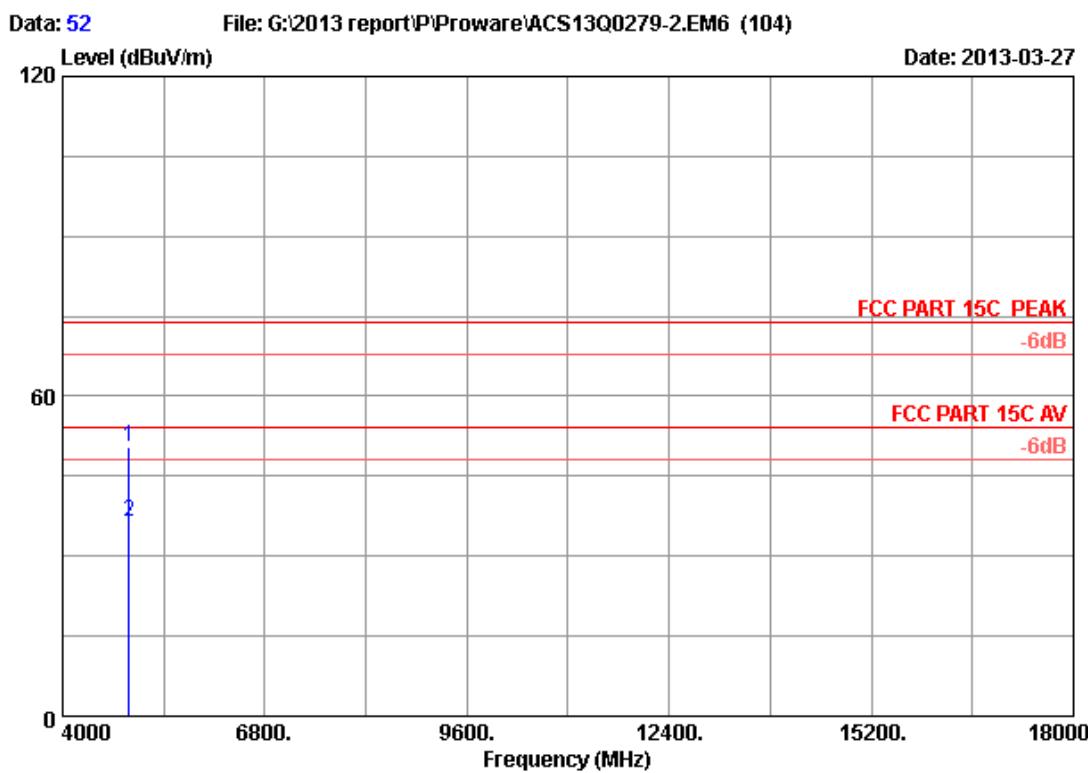
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.23	51.06	74.00	22.94 Peak
2	4924.000	32.73	8.78	35.68	31.02	36.85	54.00	17.15 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 51  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

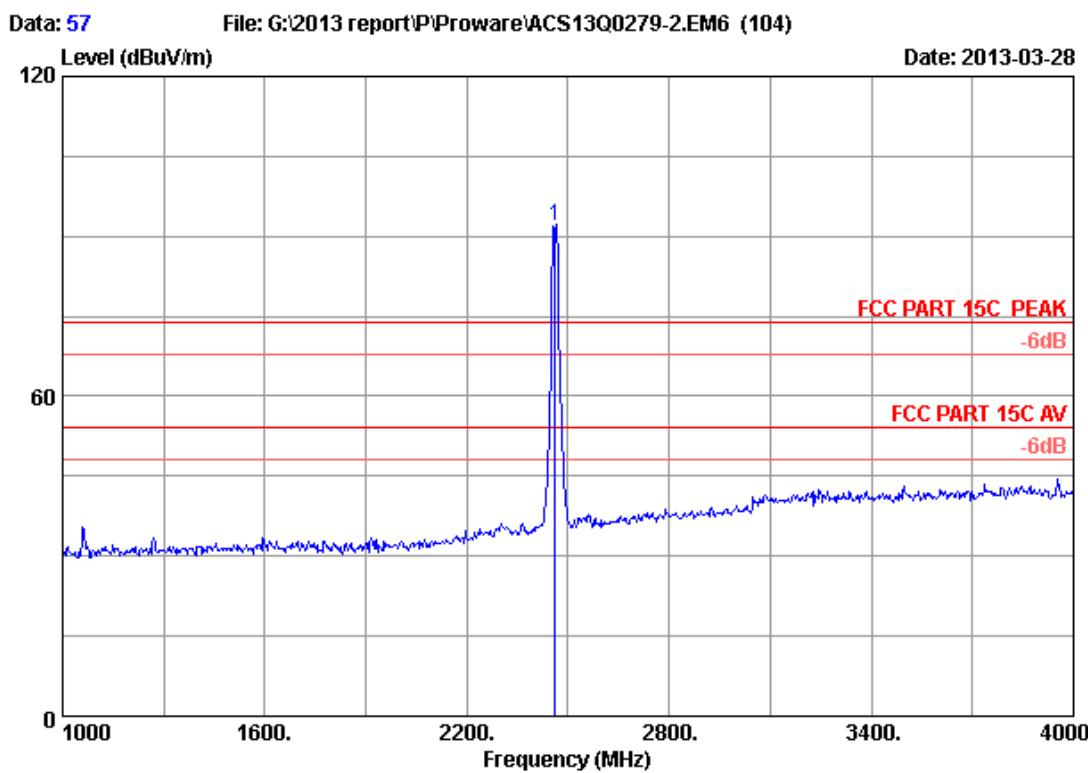


Site no. : 3m Chamber Data no. : 52  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	44.59	50.42	74.00	23.58 Peak
2	4924.000	32.73	8.78	35.68	30.71	36.54	54.00	17.46 Average

Remarks:

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

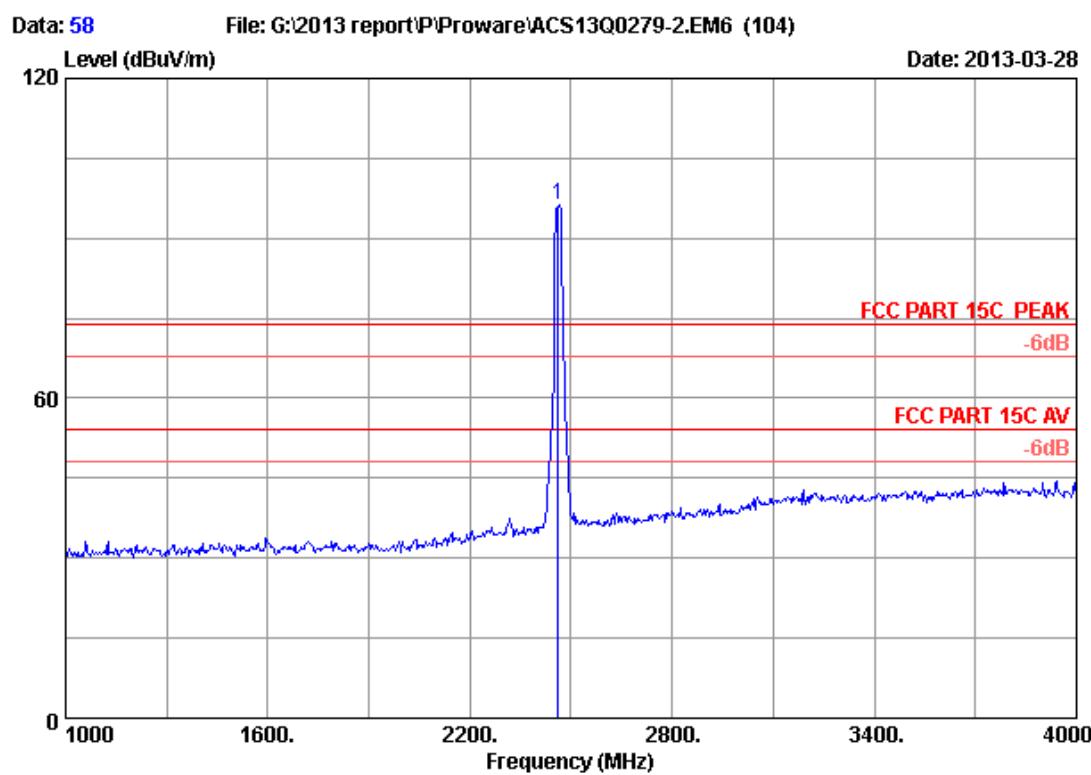


Site no. : 3m Chamber Data no. : 57  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	94.72	92.08	74.00 -18.08 Peak

Remarks:

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

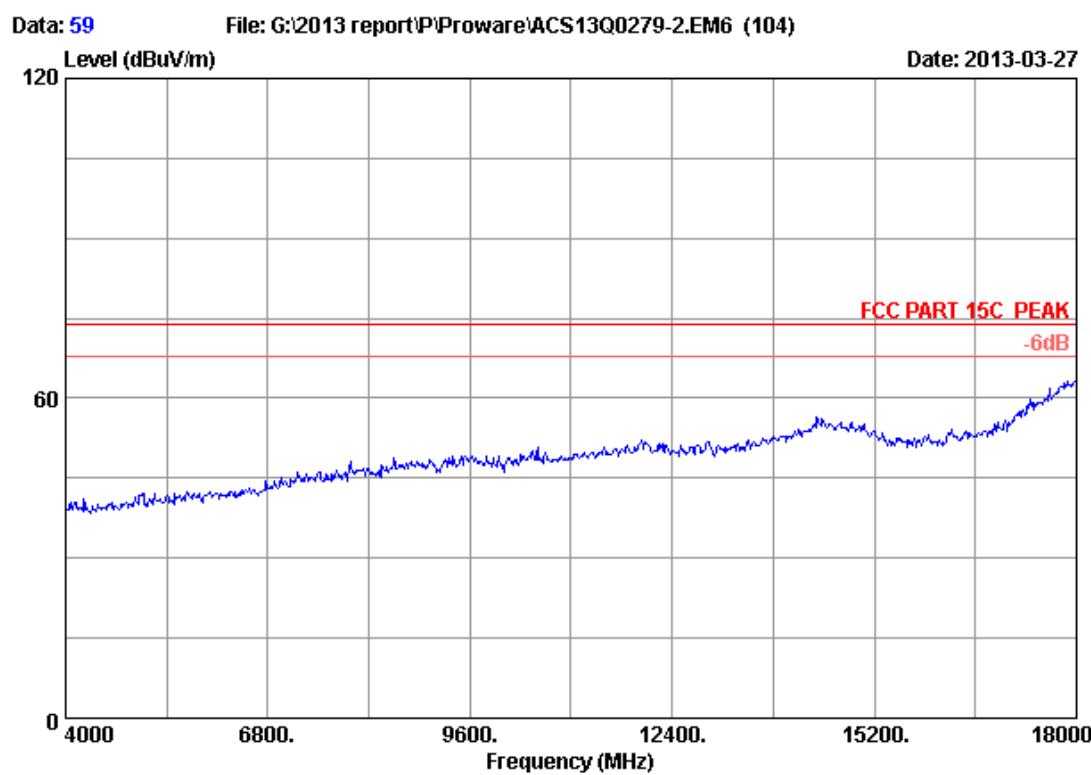


Site no. : 3m Chamber Data no. : 58  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

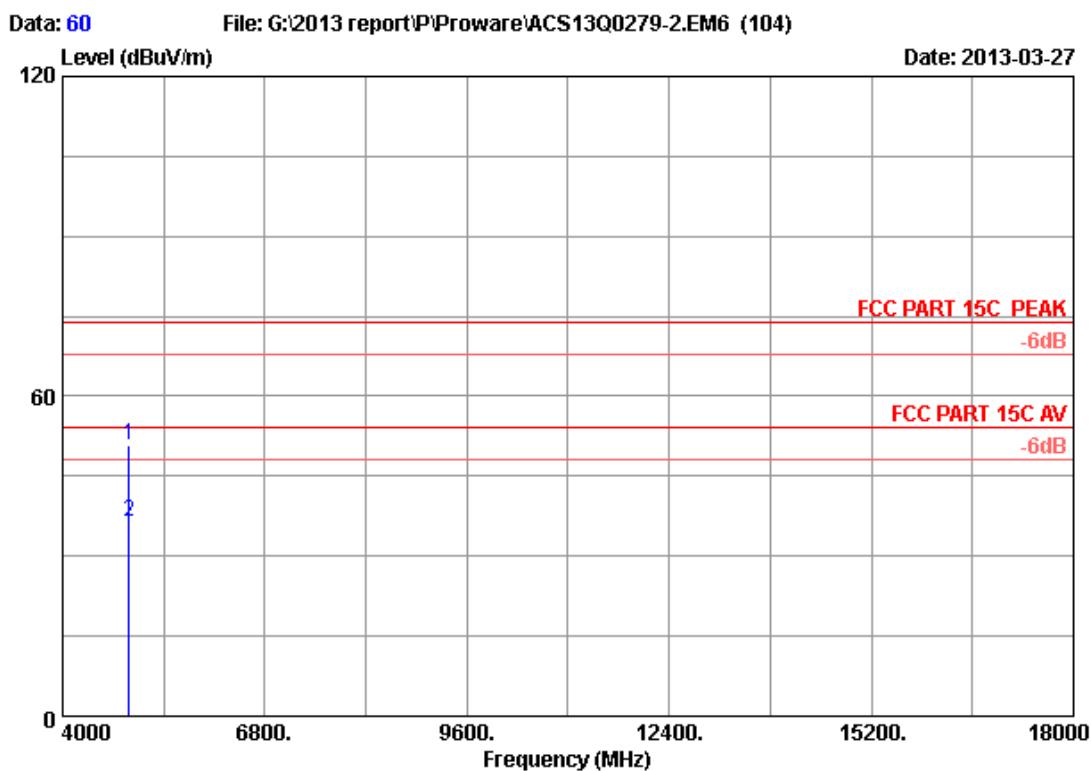
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	98.75	96.11	74.00 -22.11 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 59  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

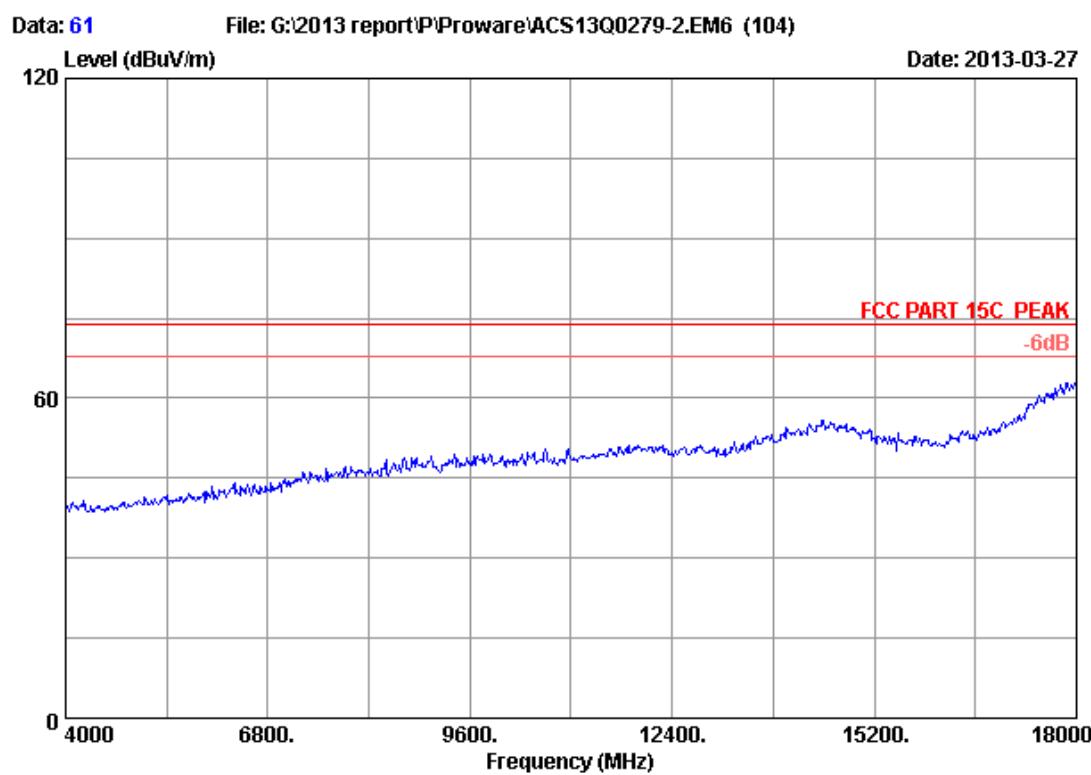


Site no. : 3m Chamber Data no. : 60  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	44.81	50.64	74.00	23.36 Peak
2	4924.000	32.73	8.78	35.68	30.55	36.38	54.00	17.62 Average

Remarks:

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

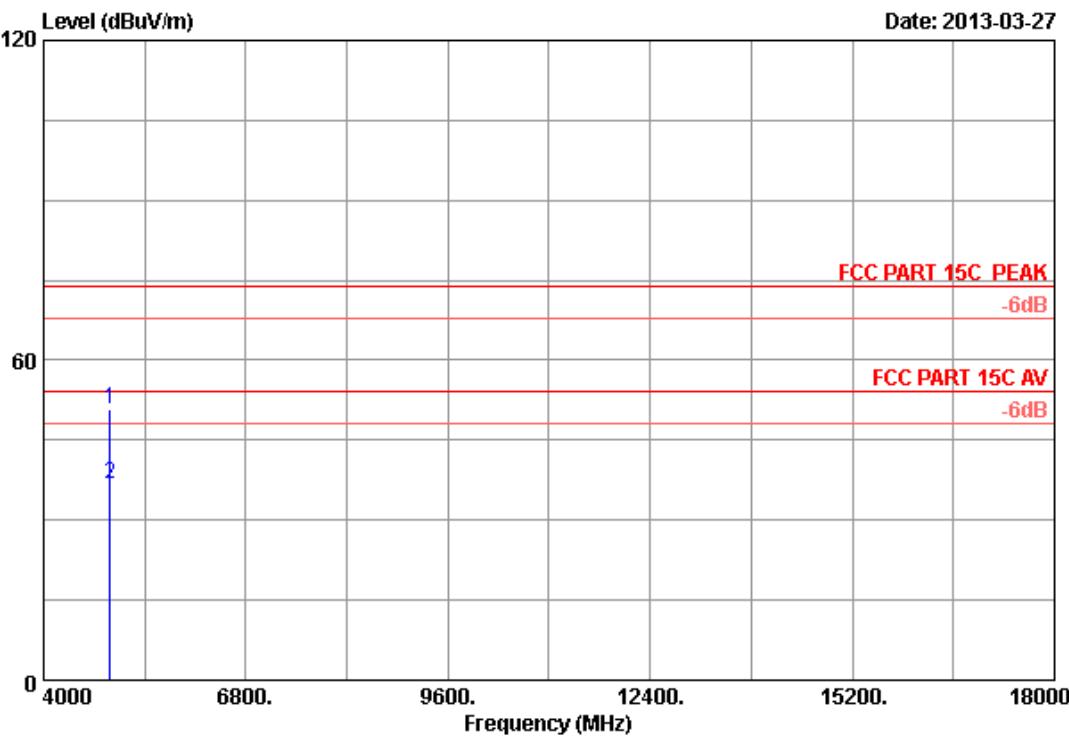


Site no. : 3m Chamber Data no. : 61  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 62

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Date: 2013-03-27

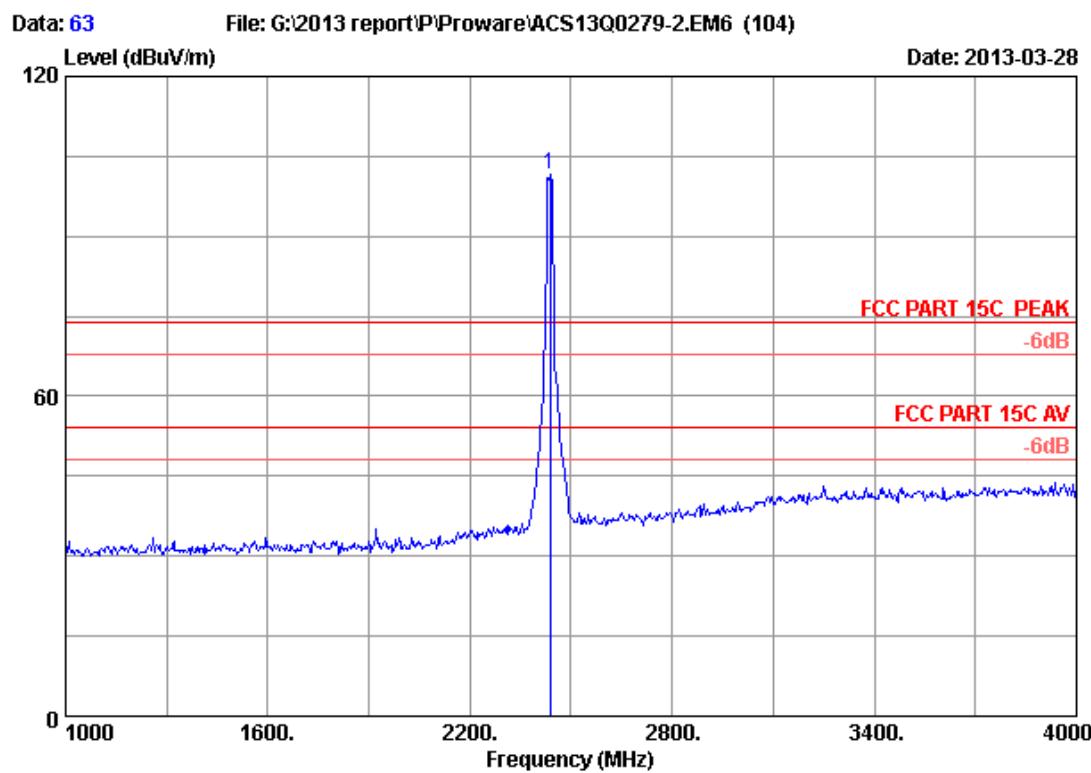


Site no. : 3m Chamber Data no. : 62  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.13	50.96	74.00	23.04 Peak
2	4924.000	32.73	8.78	35.68	30.98	36.81	54.00	17.19 Average

## Remarks:

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

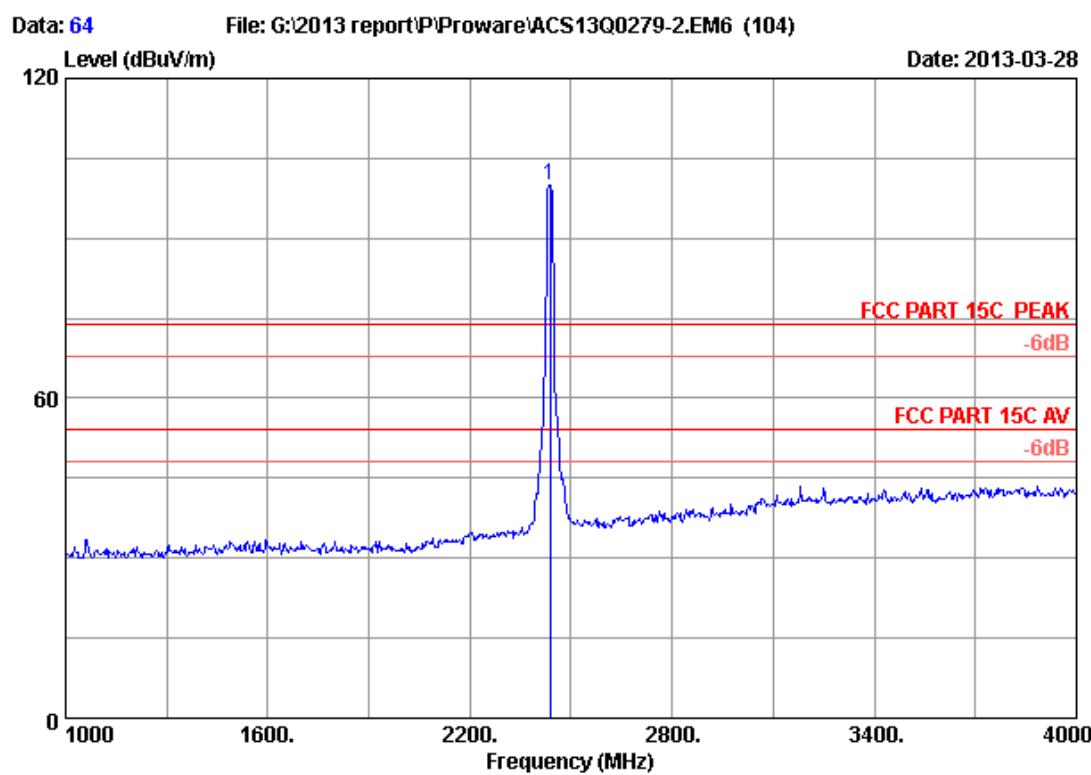


Site no. : 3m Chamber Data no. : 63  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	104.54	101.70	74.00 -27.70 Peak

Remarks:

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

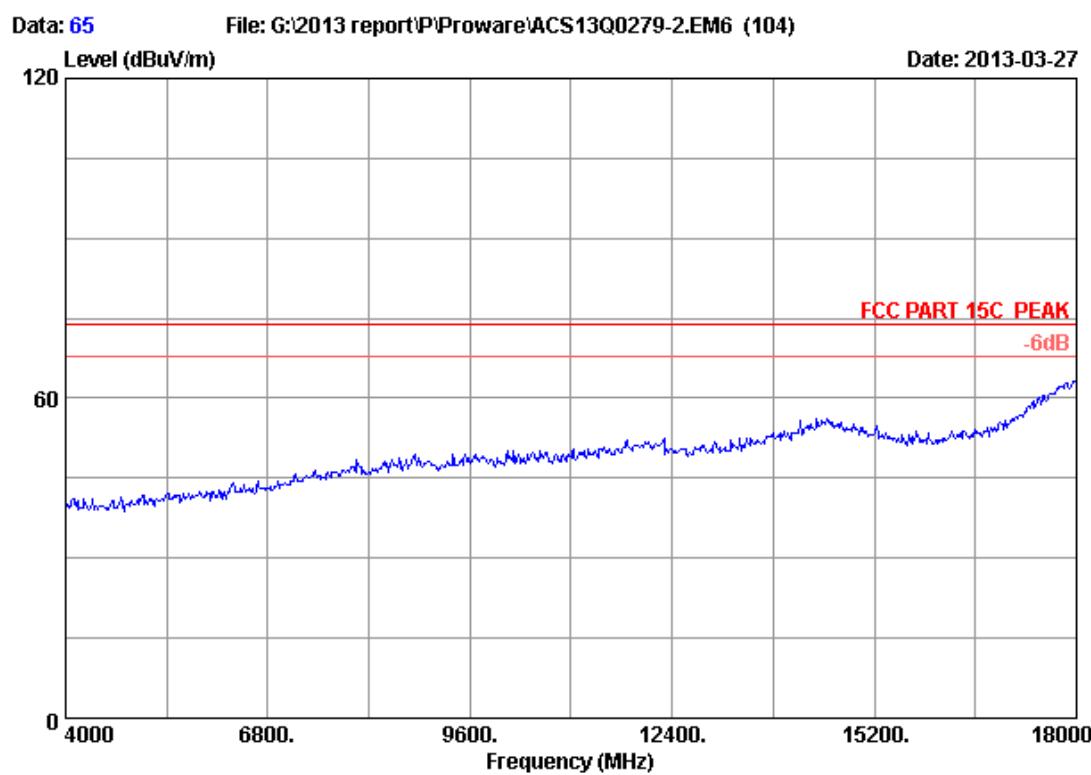


Site no. : 3m Chamber Data no. : 64  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	102.74	99.90	74.00 -25.90 Peak

Remarks:

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

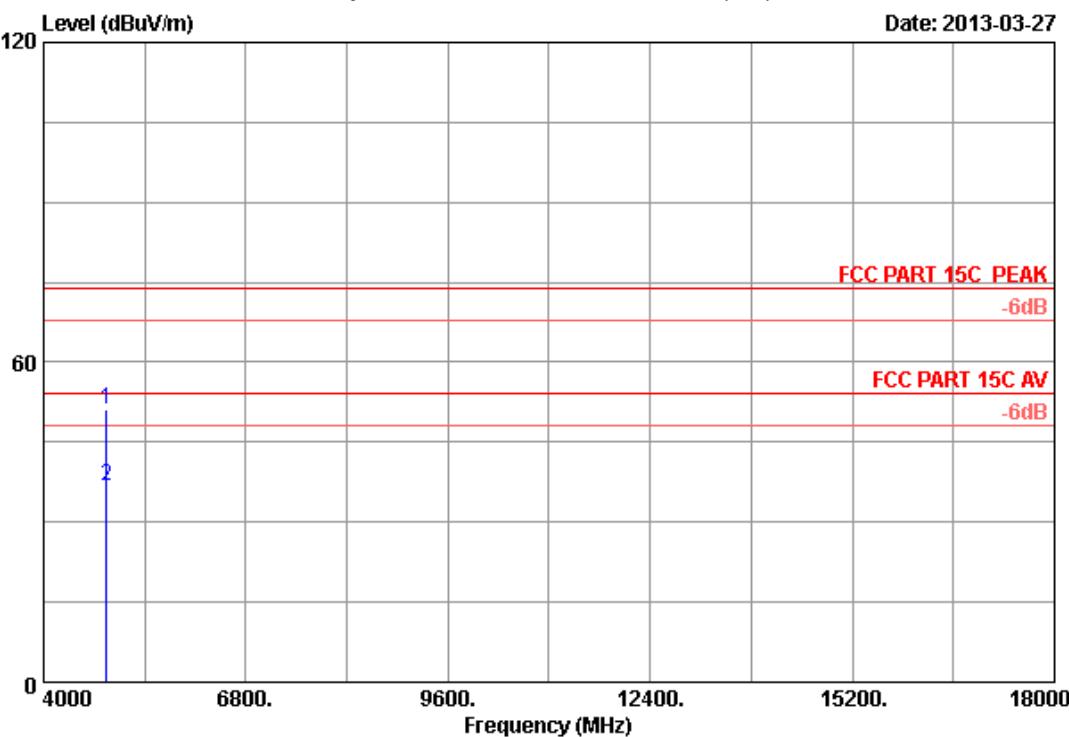


Site no. : 3m Chamber Data no. : 65  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 66

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Date: 2013-03-27

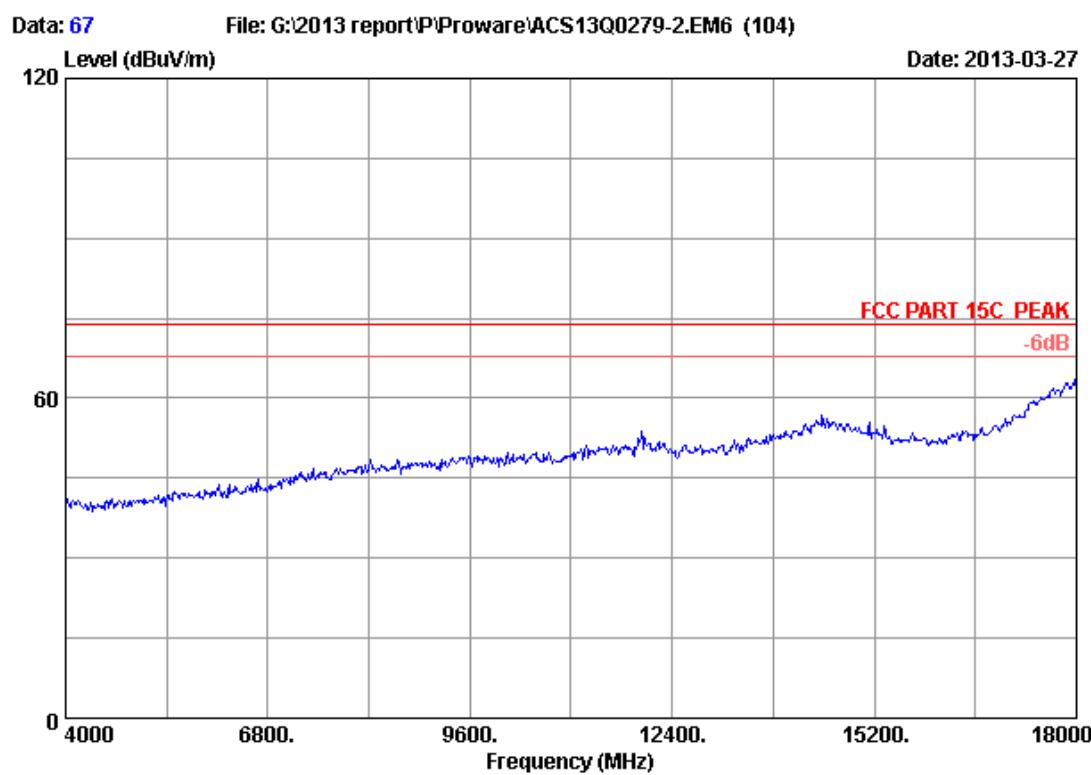


Site no. : 3m Chamber Data no. : 66  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.48	51.14	74.00	22.86 Peak
2	4874.000	32.62	8.73	35.69	31.09	36.75	54.00	17.25 Average

## Remarks:

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



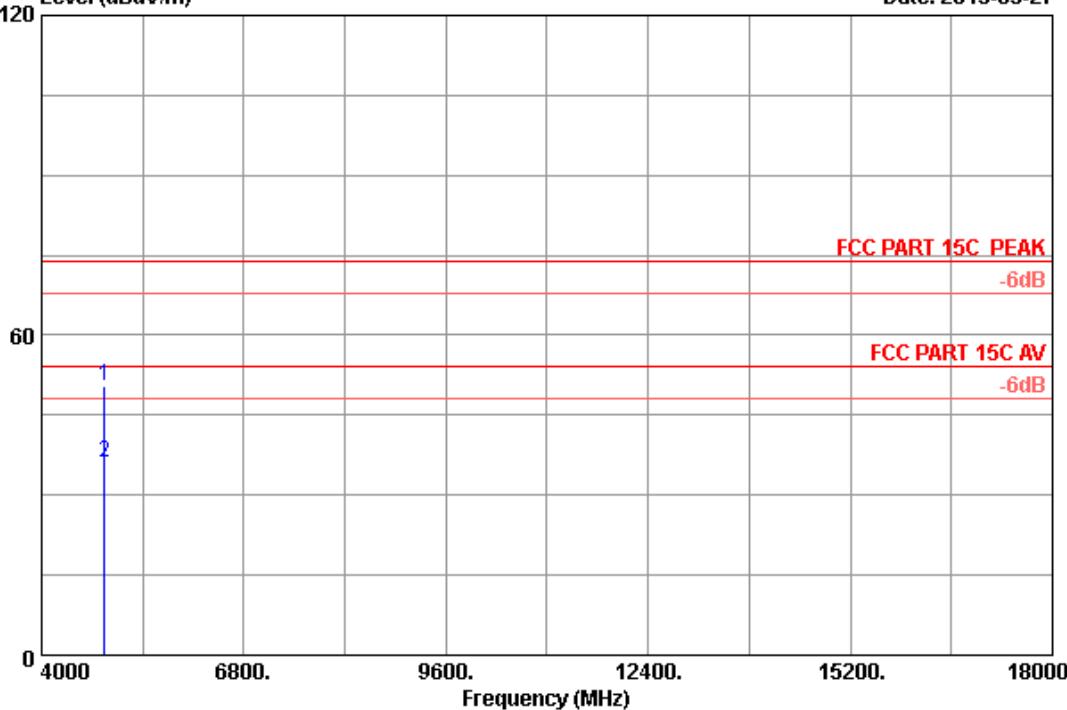
Site no. : 3m Chamber Data no. : 67  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 68

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Level (dBuV/m)

Date: 2013-03-27

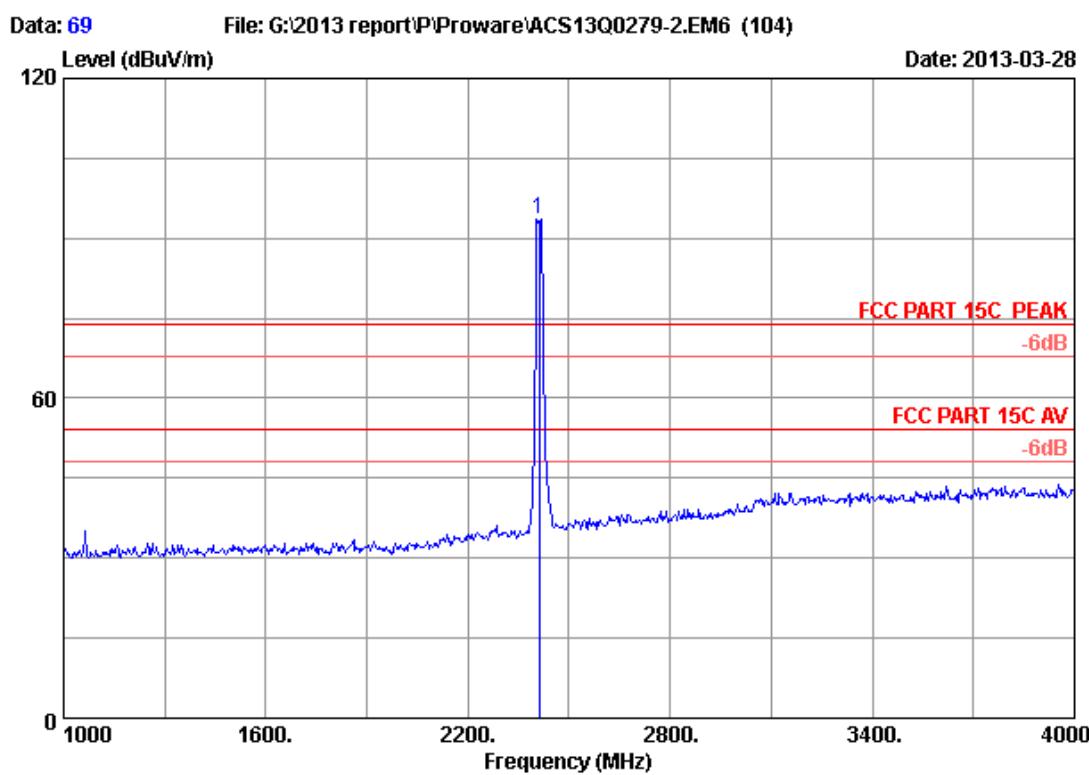


Site no. : 3m Chamber Data no. : 68  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	44.68	50.34	74.00	23.66 Peak
2	4874.000	32.62	8.73	35.69	30.47	36.13	54.00	17.87 Average

## Remarks:

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

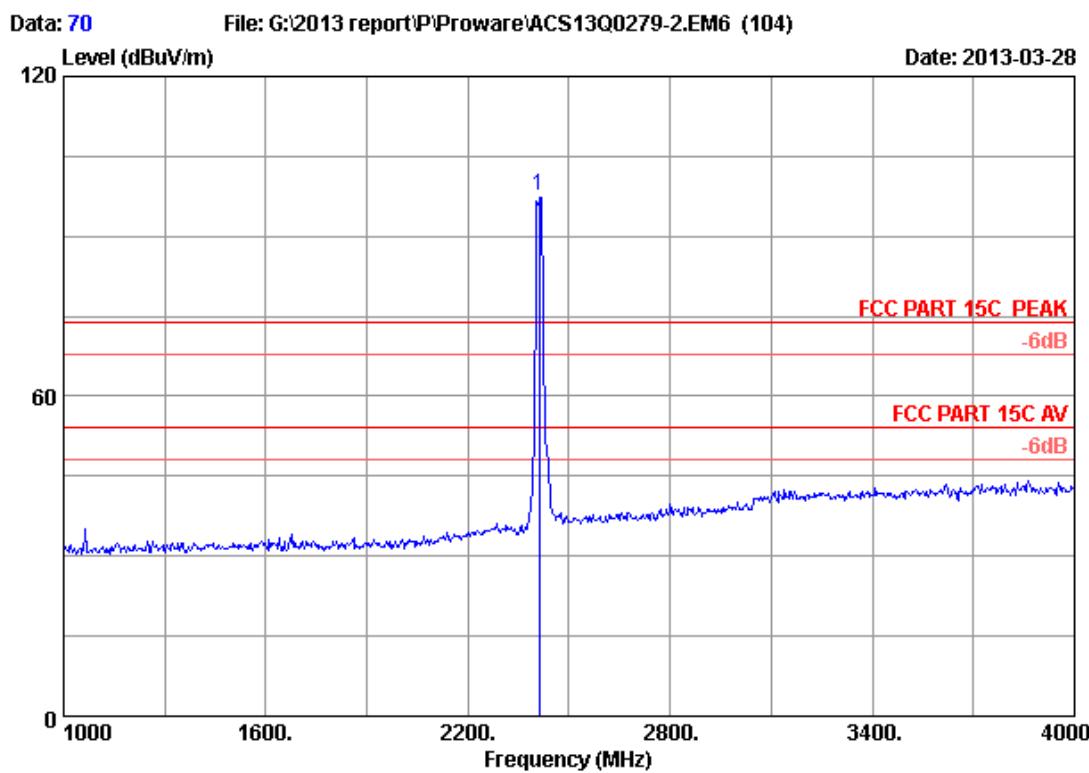


Site no. : 3m Chamber Data no. : 69  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	96.70	93.66	74.00 -19.66 Peak

Remarks:

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

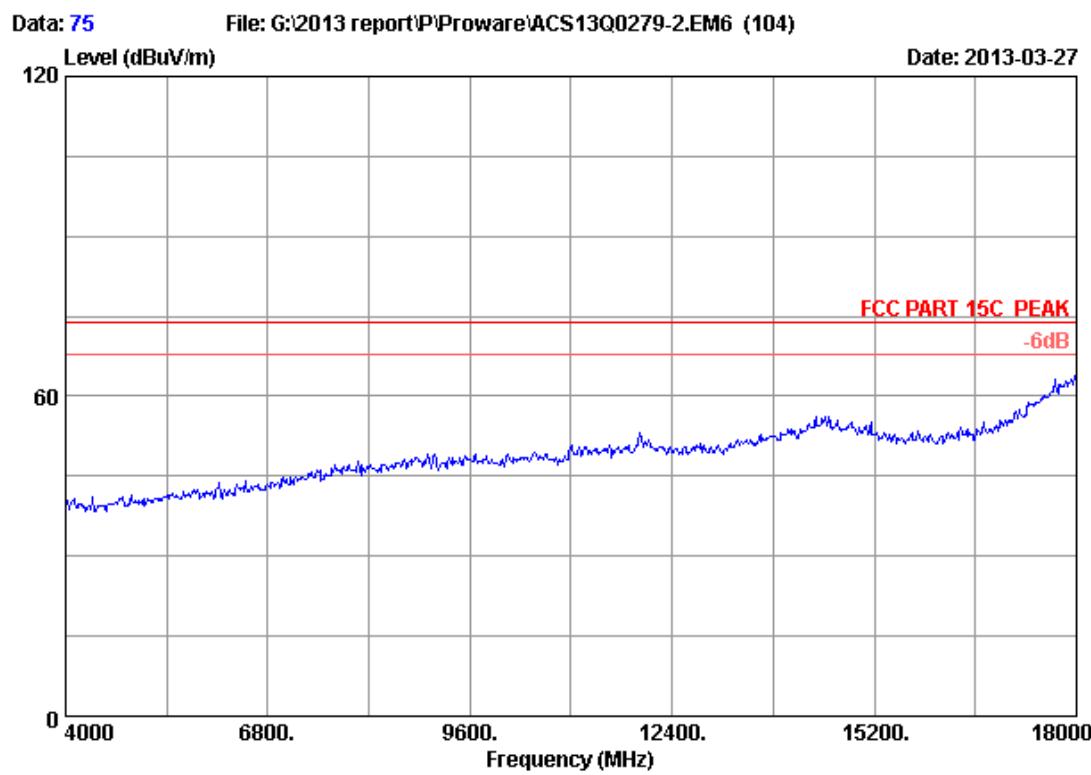


Site no. : 3m Chamber Data no. : 70  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

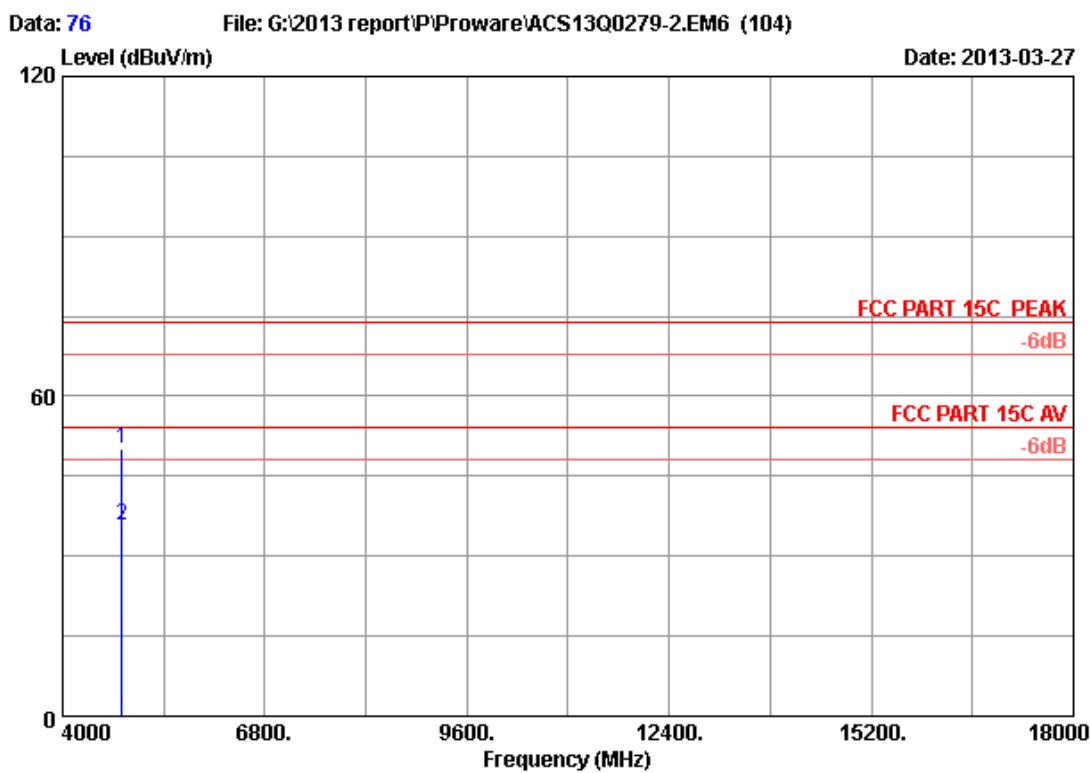
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	100.54	97.50	74.00 -23.50 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 75  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

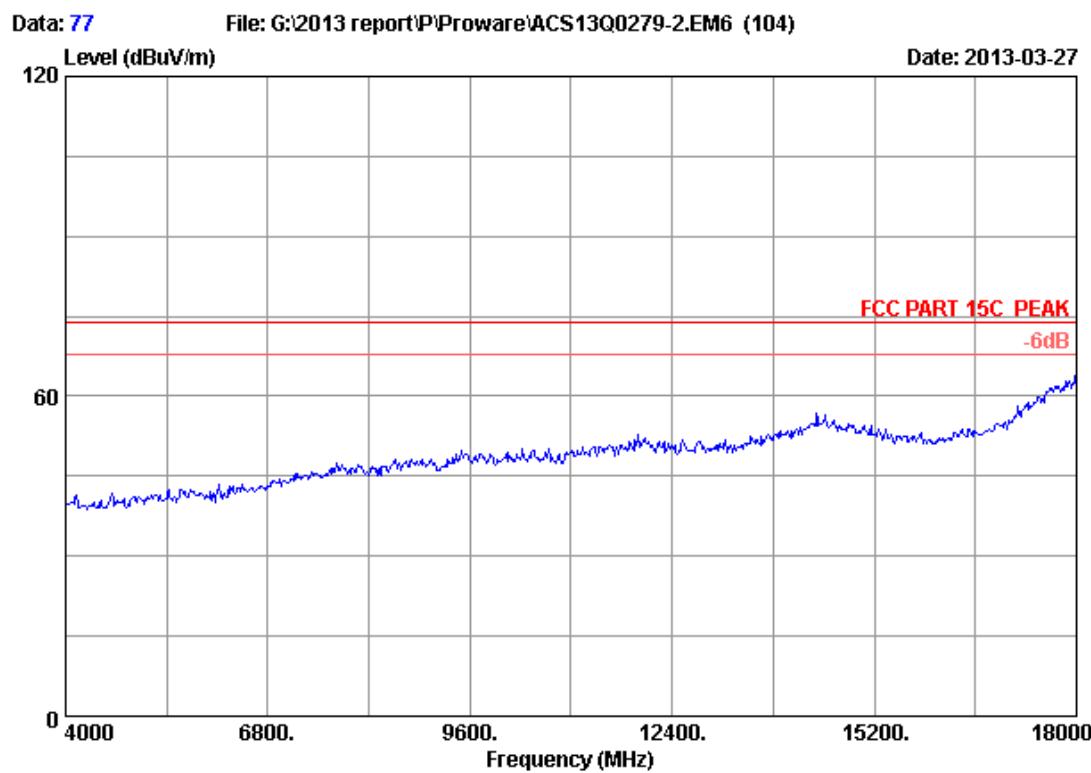


Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

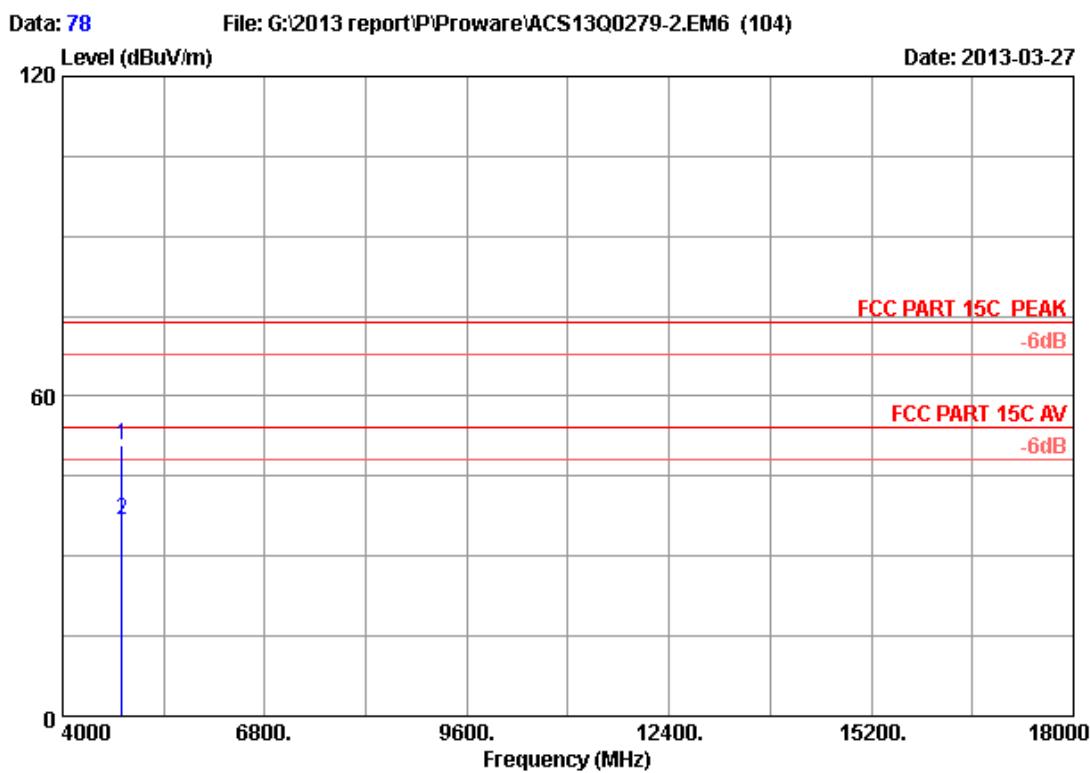
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	44.73	50.22	74.00	23.78 Peak
2	4824.000	32.51	8.69	35.71	30.41	35.90	54.00	18.10 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 77  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

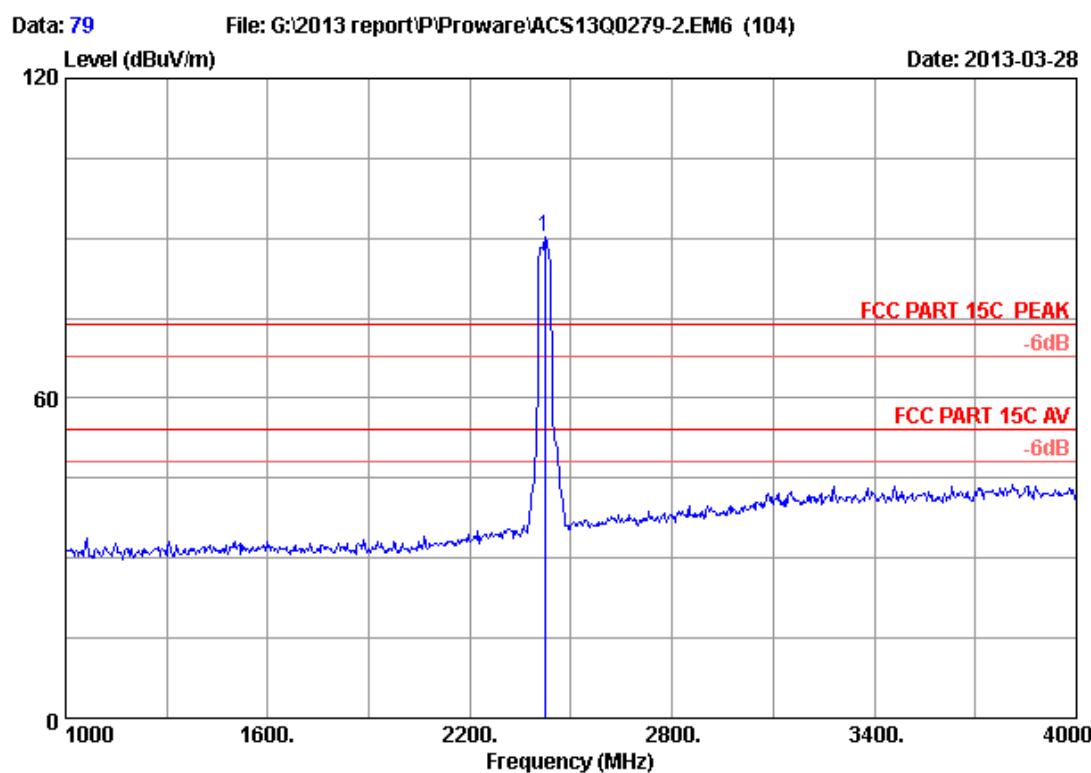


Site no. : 3m Chamber Data no. : 78  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	45.33	50.82	74.00	23.18 Peak
2	4824.000	32.51	8.69	35.71	31.12	36.61	54.00	17.39 Average

Remarks:

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

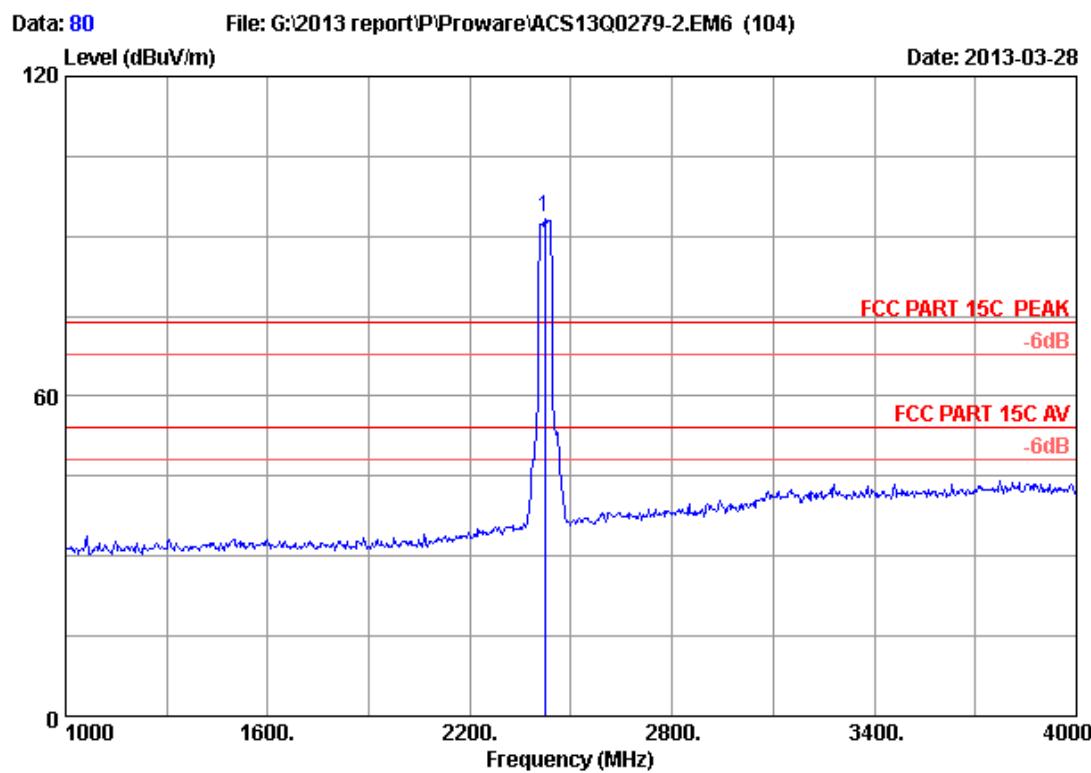


Site no. : 3m Chamber Data no. : 79  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2422.000	26.90	6.05	35.92	93.23	90.26	74.00 -16.26 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 80  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2422.000	26.90	6.05	35.92	96.57	93.60	74.00 -19.60 Peak

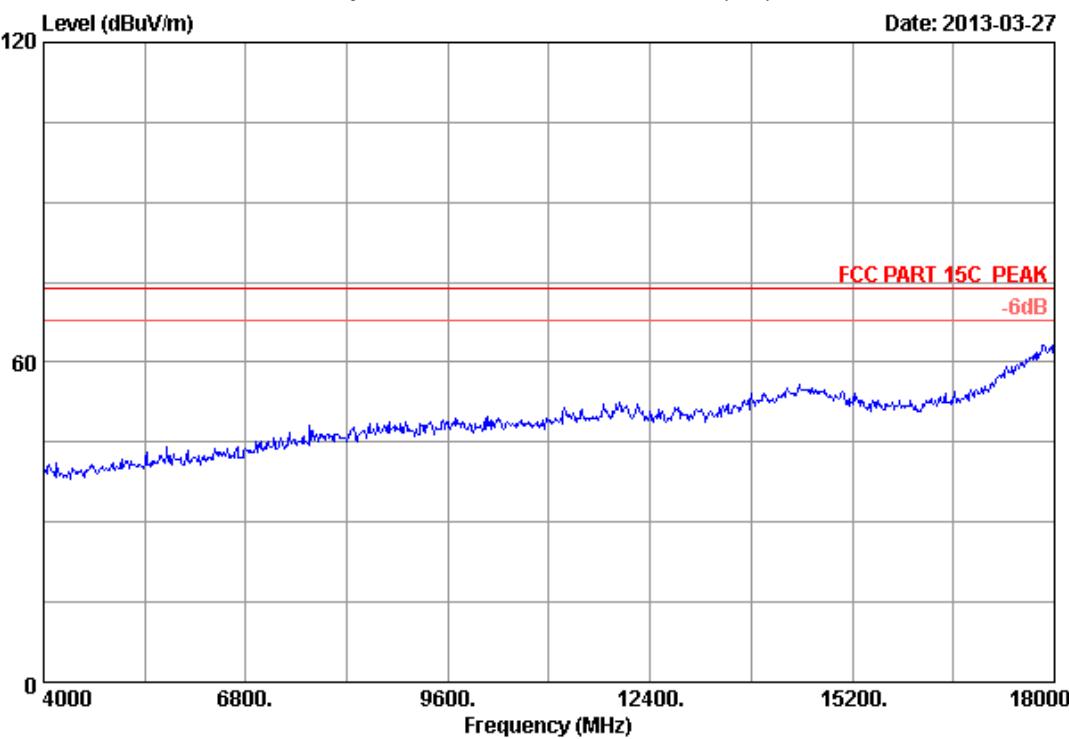
Remarks:

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

Data: 85

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Date: 2013-03-27

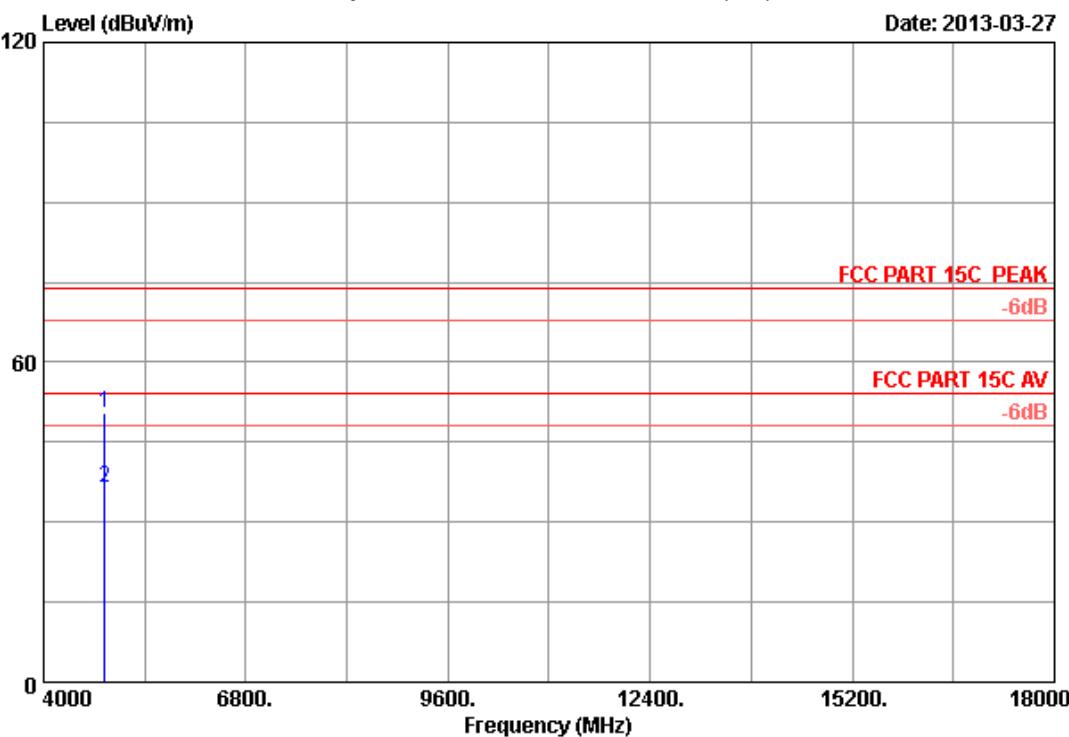


Site no. : 3m Chamber Data no. : 85  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 86

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 86  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	4844.000	32.56	8.70	35.70	44.83	50.39	74.00	23.61 Peak
2	4844.000	32.56	8.70	35.70	30.75	36.31	54.00	17.69 Average

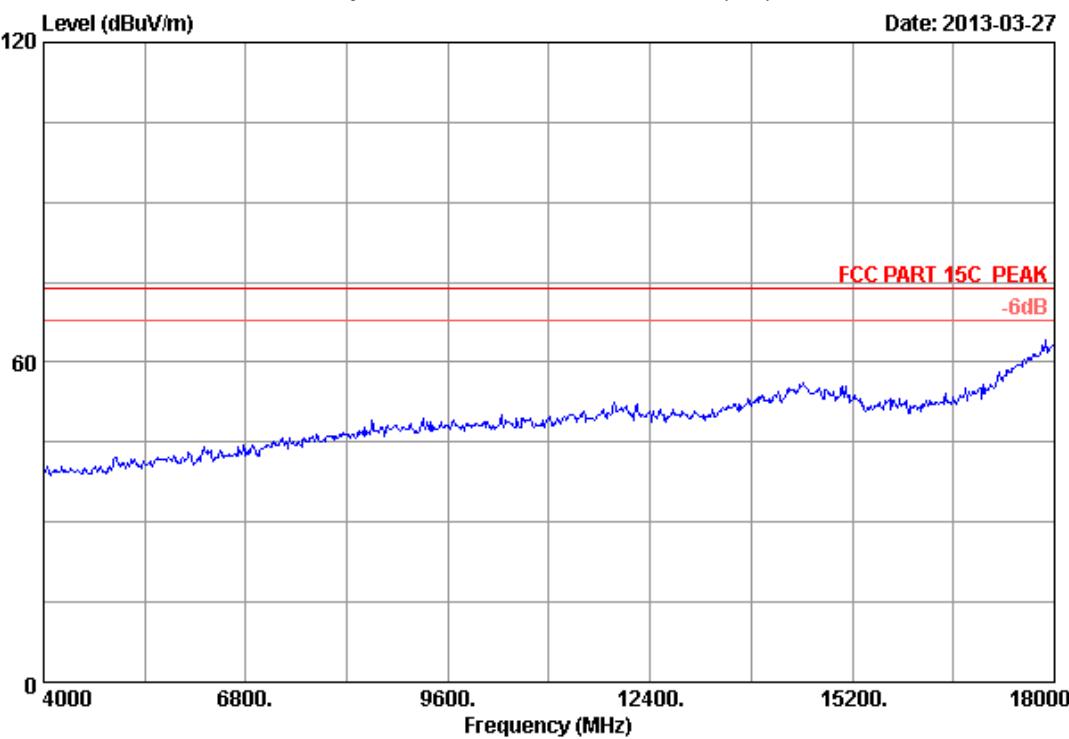
## Remarks:

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

Data: 87

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27

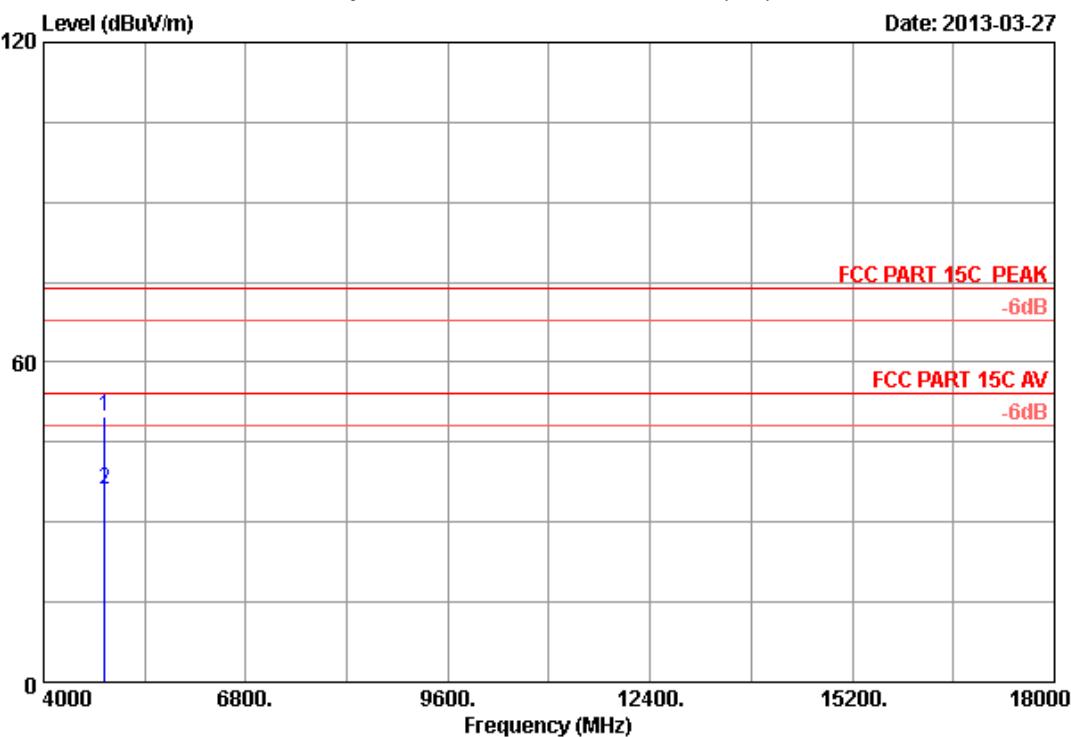


Site no. : 3m Chamber Data no. : 87  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 88

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 88  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>uV</sub> )	(dB <sub>uV/m</sub> )	(dB <sub>uV/m</sub> )	(dB)	
1	4844.000	32.56	8.70	35.70	44.38	49.94	74.00	24.06 Peak
2	4844.000	32.56	8.70	35.70	30.51	36.07	54.00	17.93 Average

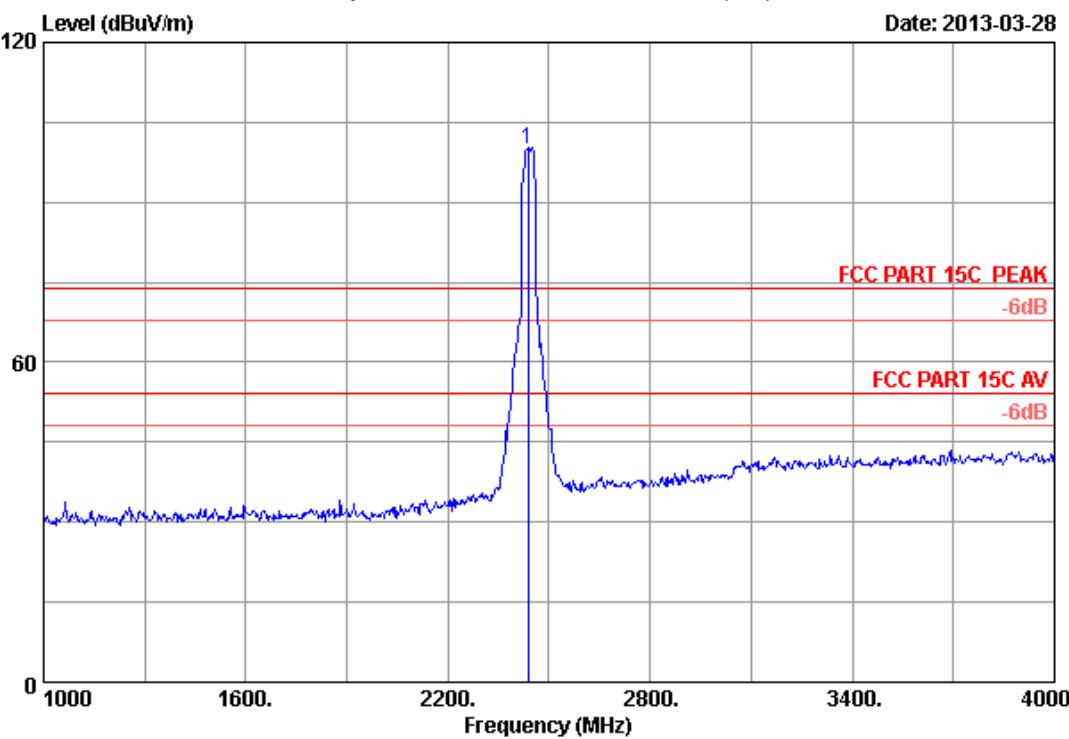
## Remarks:

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

Data: 89

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28



Site no. : 3m Chamber Data no. : 89  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2437.000	27.00	6.08	35.92	102.67	99.83	74.00 -25.83 Peak

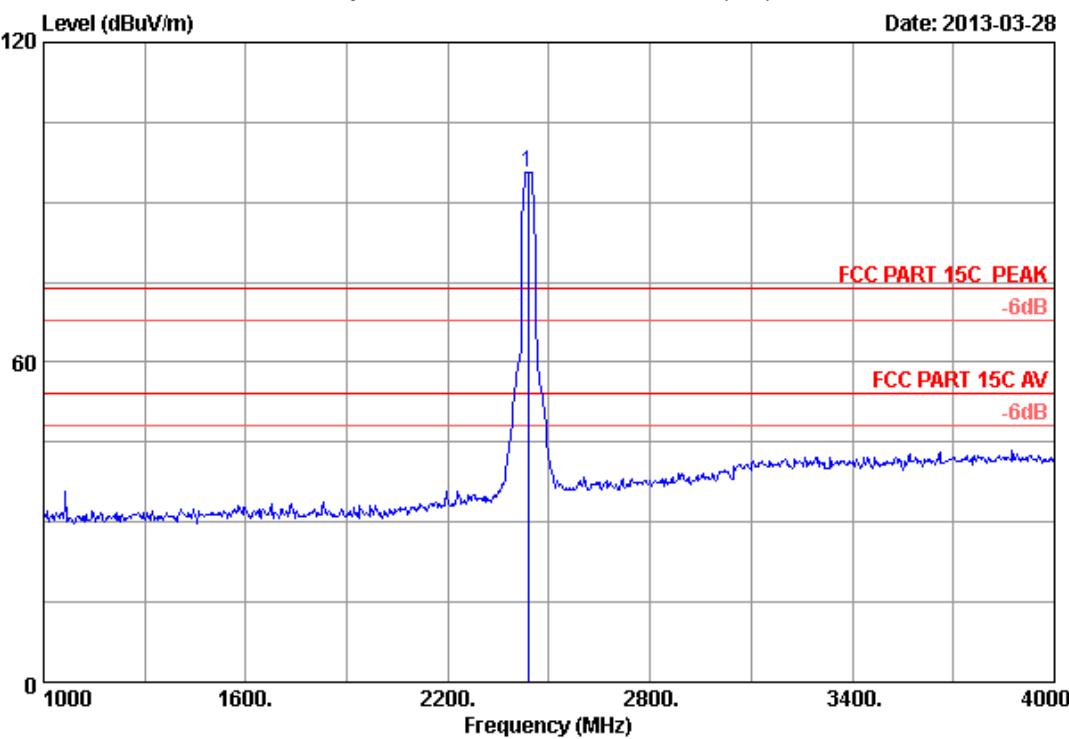
## Remarks:

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

Data: 90

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28

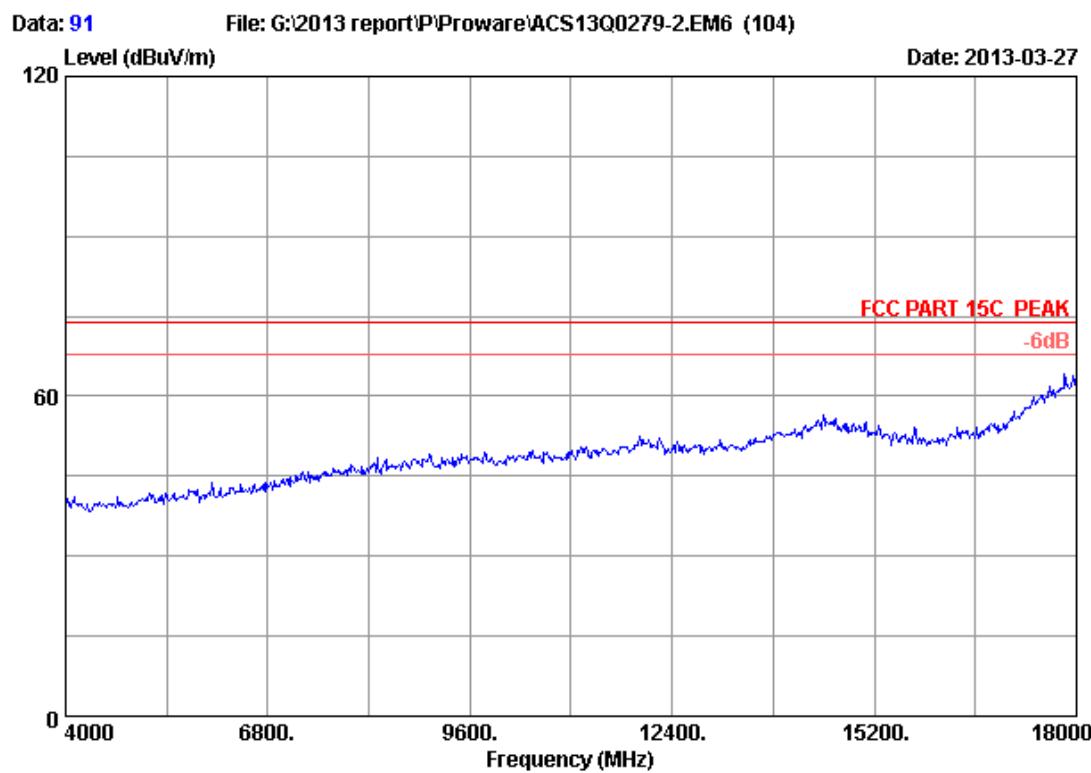


Site no. : 3m Chamber Data no. : 90  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2437.000	27.00	6.08	35.92	98.40	95.56	74.00 -21.56 Peak

## Remarks:

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

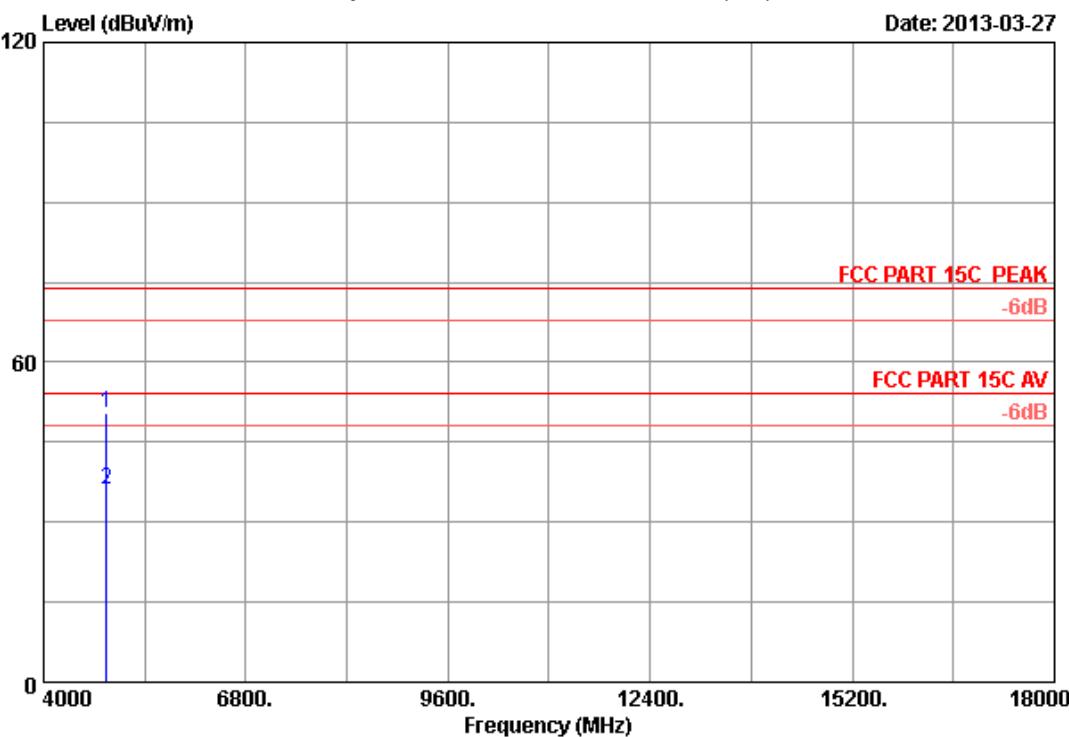


Site no. : 3m Chamber Data no. : 91  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 92

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27

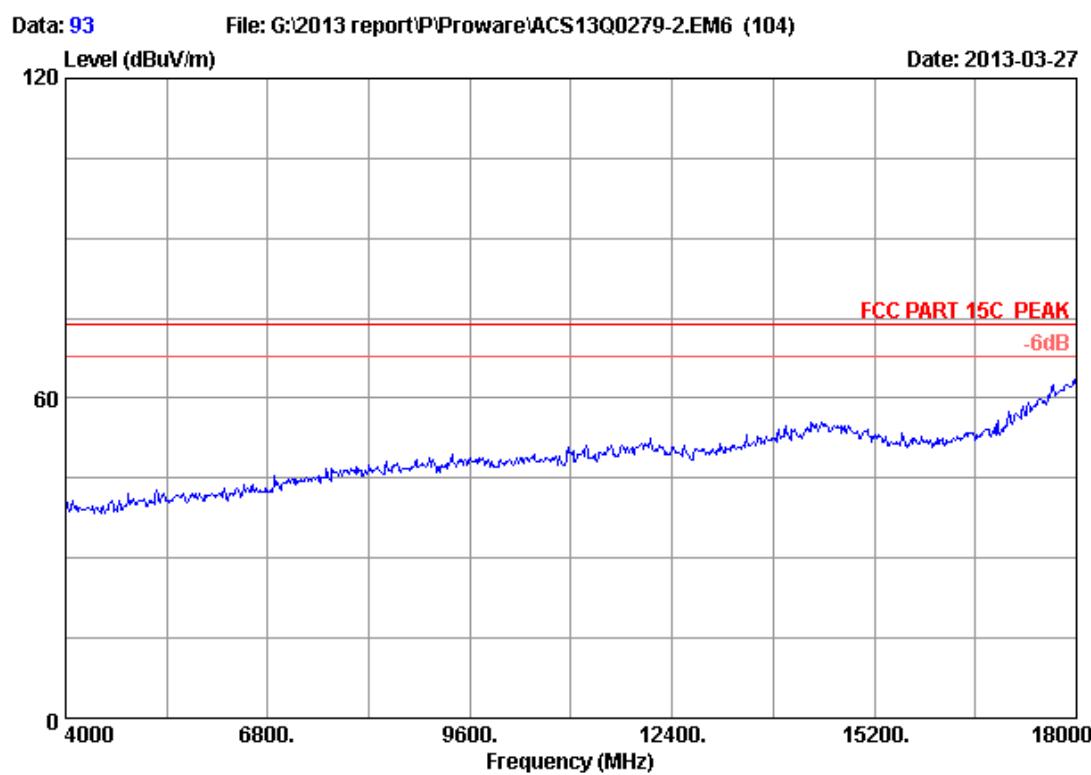


Site no. : 3m Chamber Data no. : 92  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	44.78	50.44	74.00	23.56 Peak
2	4874.000	32.62	8.73	35.69	30.59	36.25	54.00	17.75 Average

## Remarks:

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



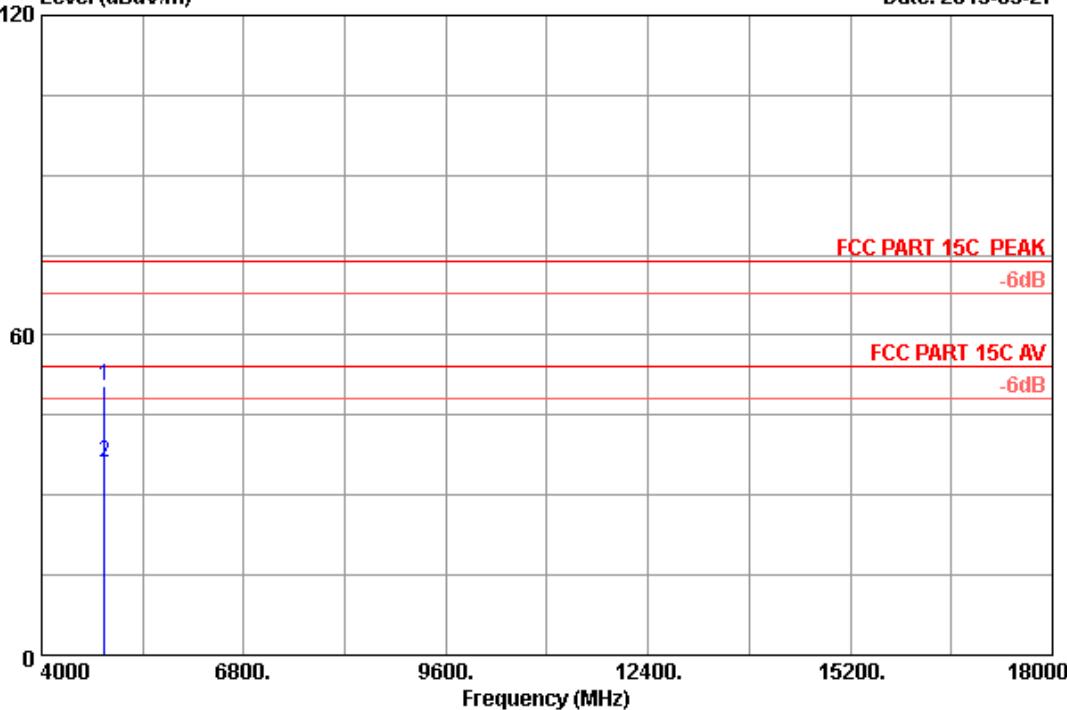
Site no. : 3m Chamber Data no. : 93  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

Data: 94

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Level (dBuV/m)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 94  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	44.69	50.35	74.00	23.65 Peak
2	4874.000	32.62	8.73	35.69	30.51	36.17	54.00	17.83 Average

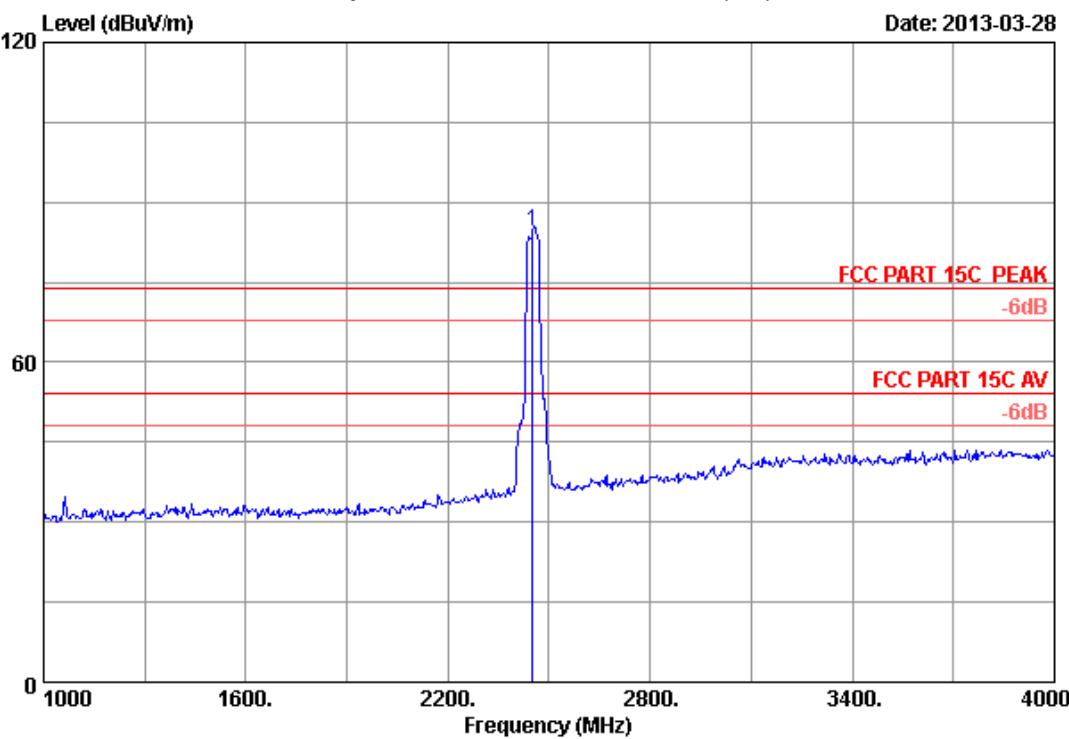
## Remarks:

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

Data: 95

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28

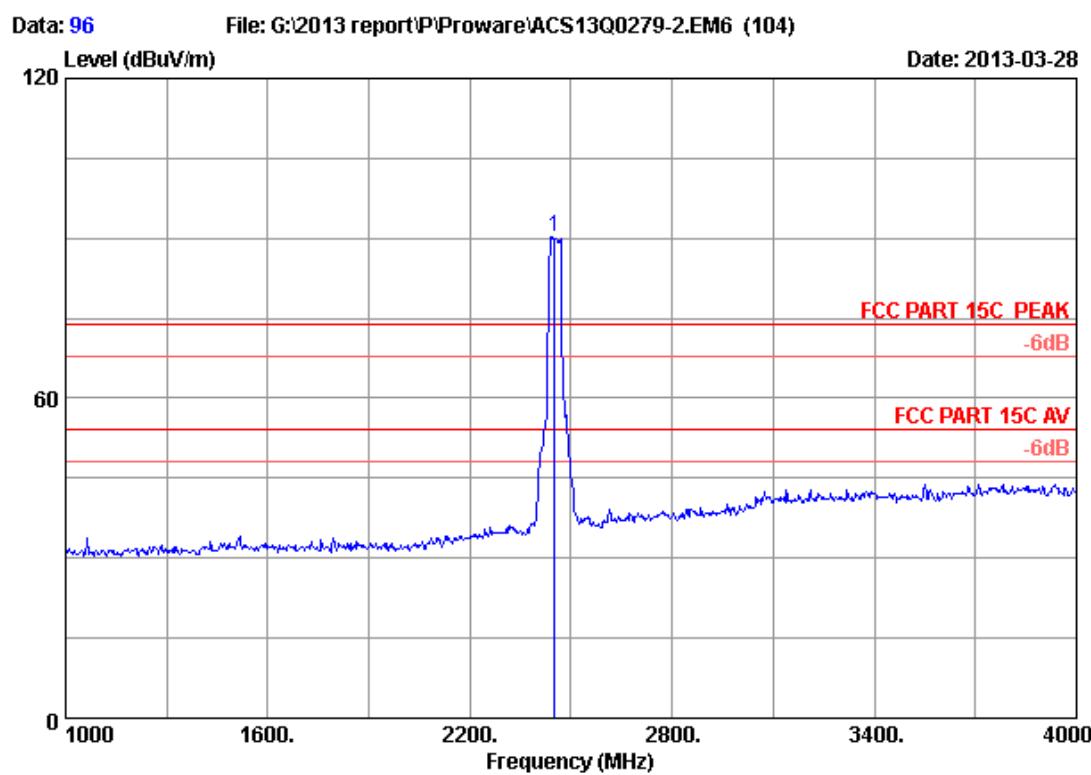


Site no. : 3m Chamber Data no. : 95  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2452.000	27.09	6.11	35.92	87.36	84.64	74.00 -10.64 Peak

## Remarks:

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

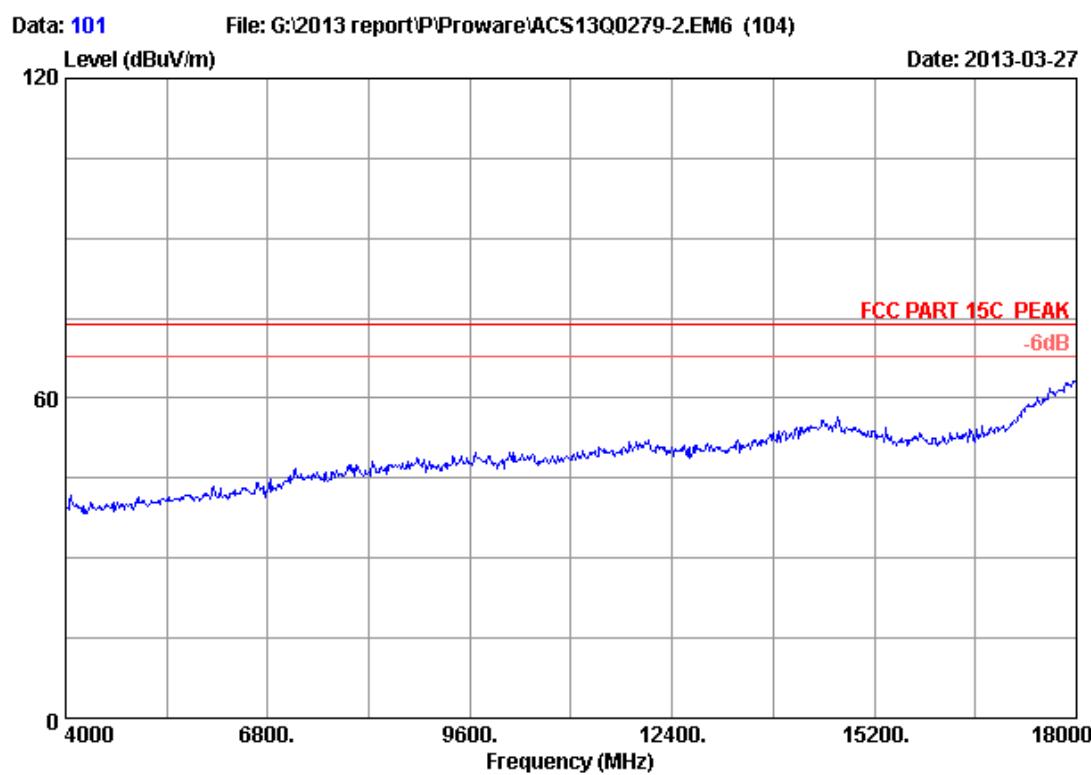


Site no. : 3m Chamber Data no. : 96  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

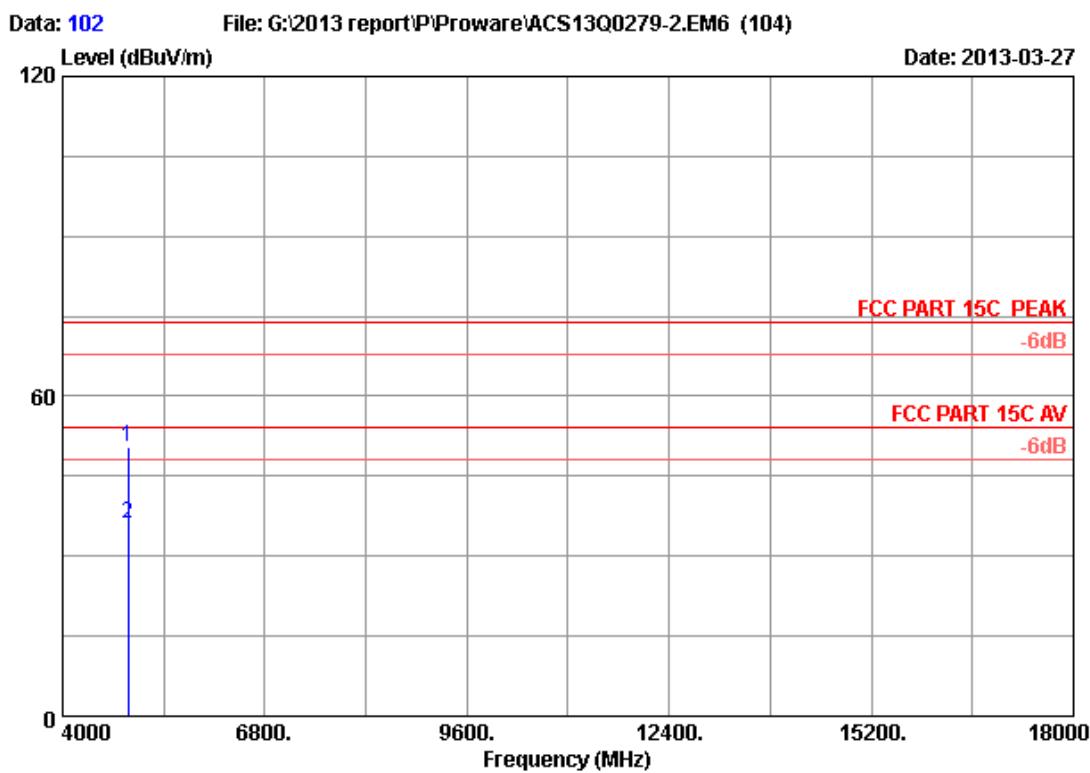
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2452.000	27.09	6.11	35.92	93.11	90.39	74.00	-16.39 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 101  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

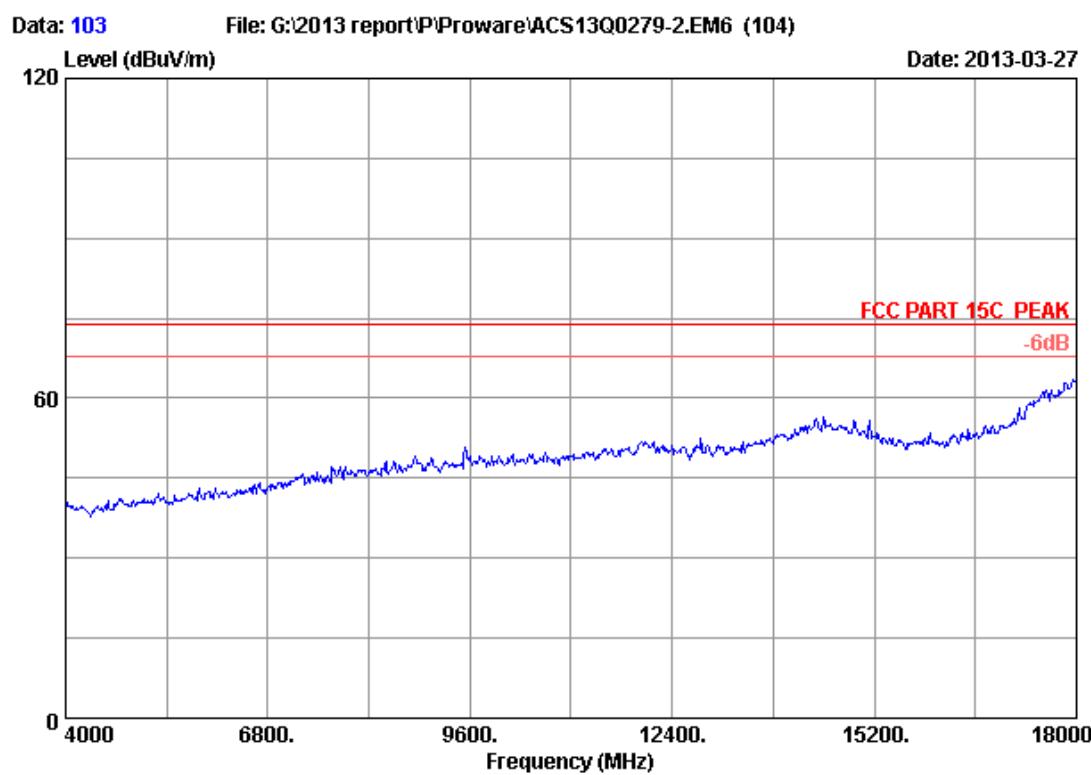


Site no. : 3m Chamber Data no. : 102  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

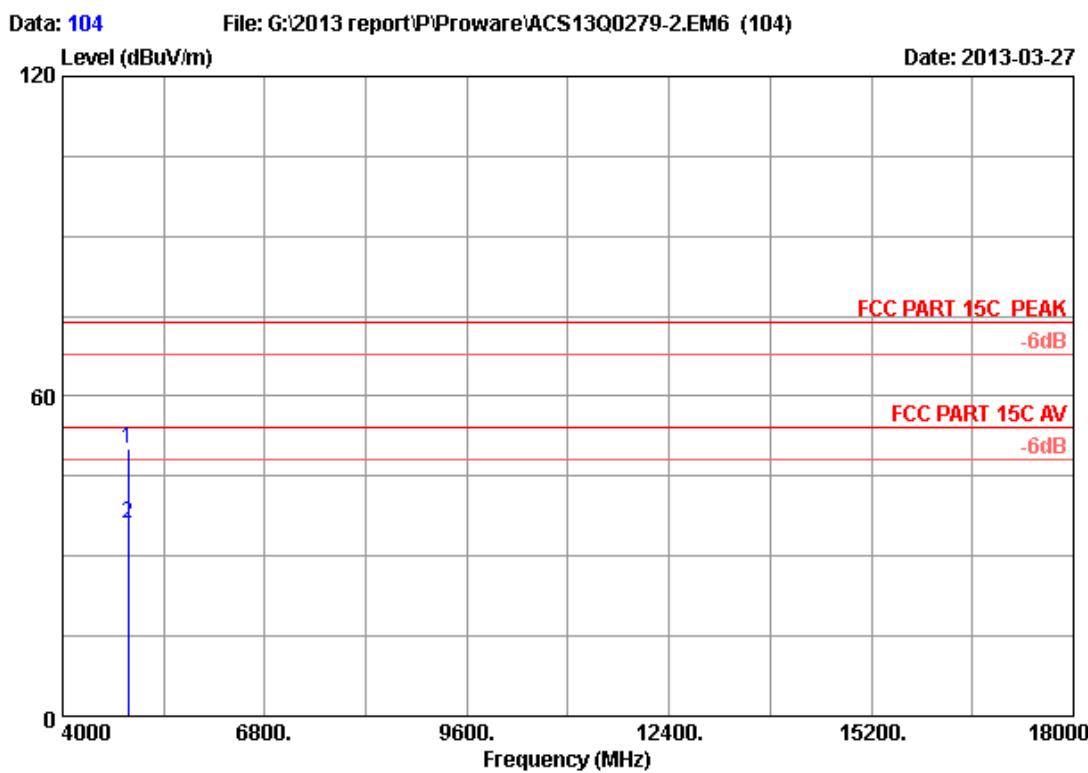
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4904.000	32.69	8.76	35.68	44.72	50.49	74.00	23.51 Peak
2	4904.000	32.69	8.76	35.68	30.36	36.13	54.00	17.87 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 103  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U



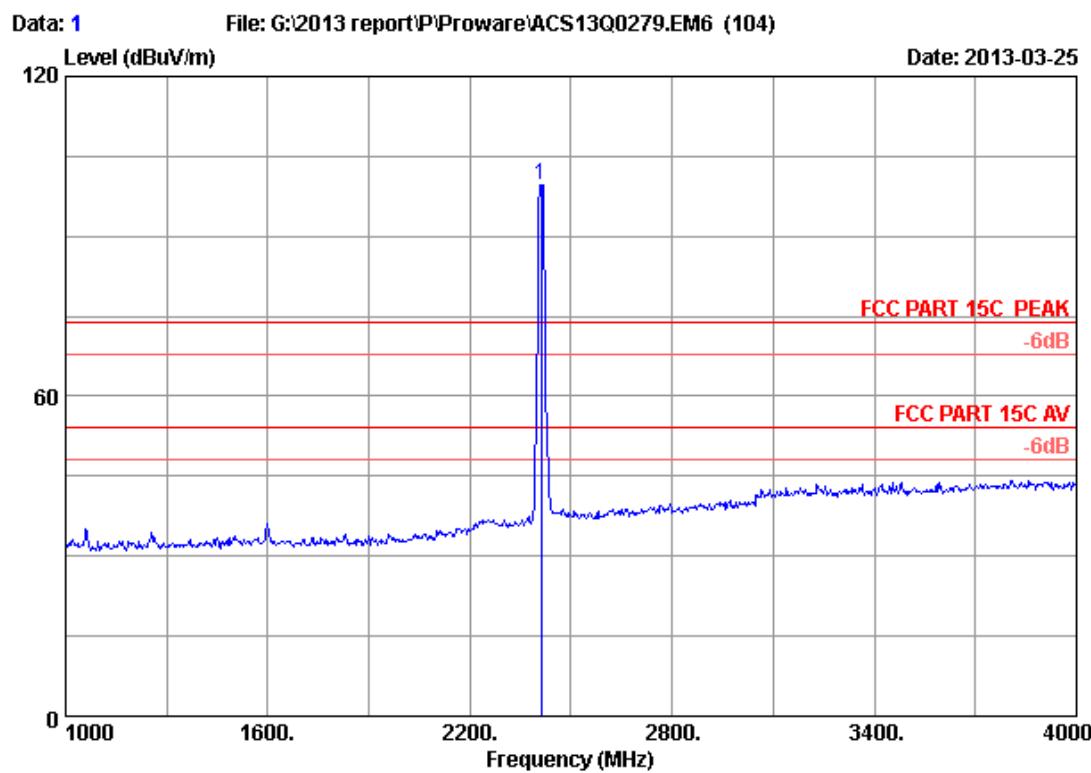
Site no. : 3m Chamber Data no. : 104  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4904.000	32.69	8.76	35.68	44.35	50.12	74.00	23.88 Peak
2	4904.000	32.69	8.76	35.68	30.18	35.95	54.00	18.05 Average

## Remarks:

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

ANT: N2410CM-T-G300U

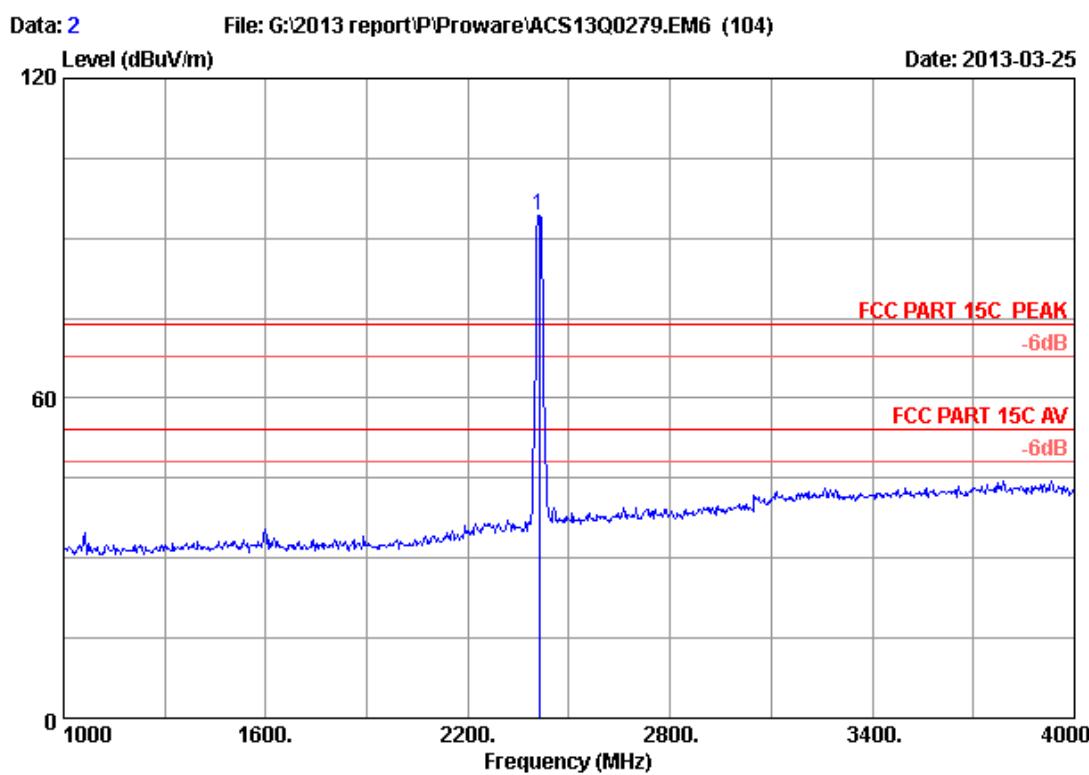


Site no. : 3m Chamber Data no. : 1  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	102.65	99.61	74.00	-25.61 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

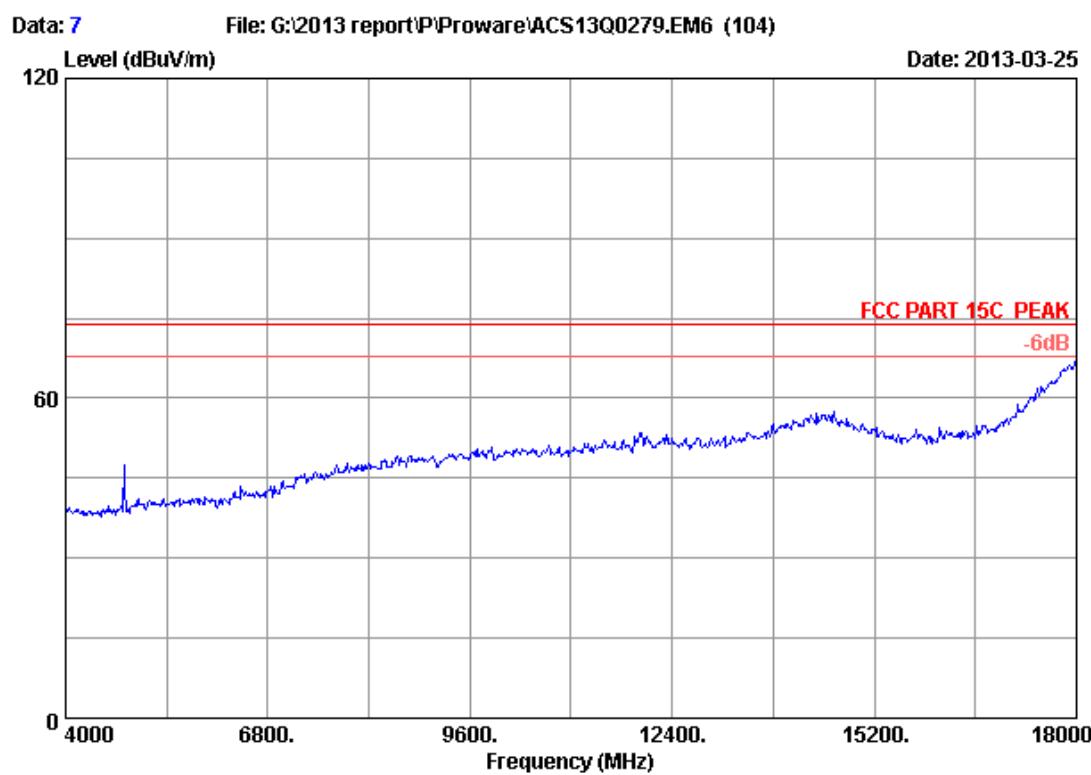


Site no. : 3m Chamber Data no. : 2  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

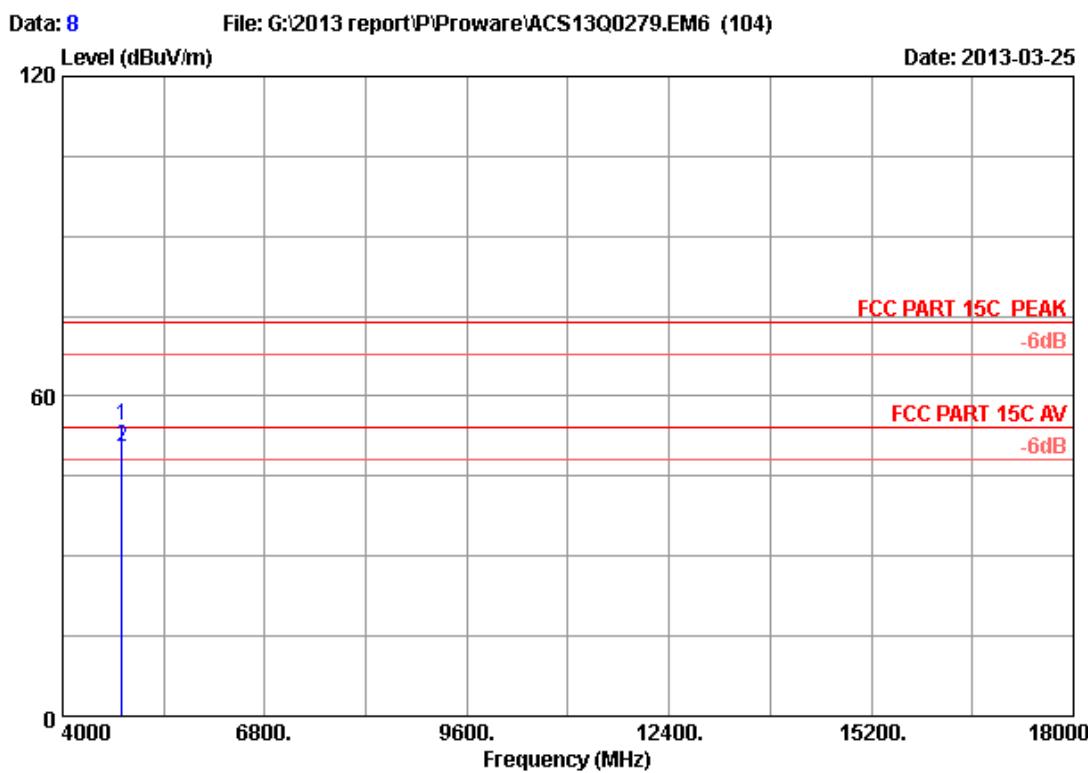
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	97.31	94.27	74.00 -20.27 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 7  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

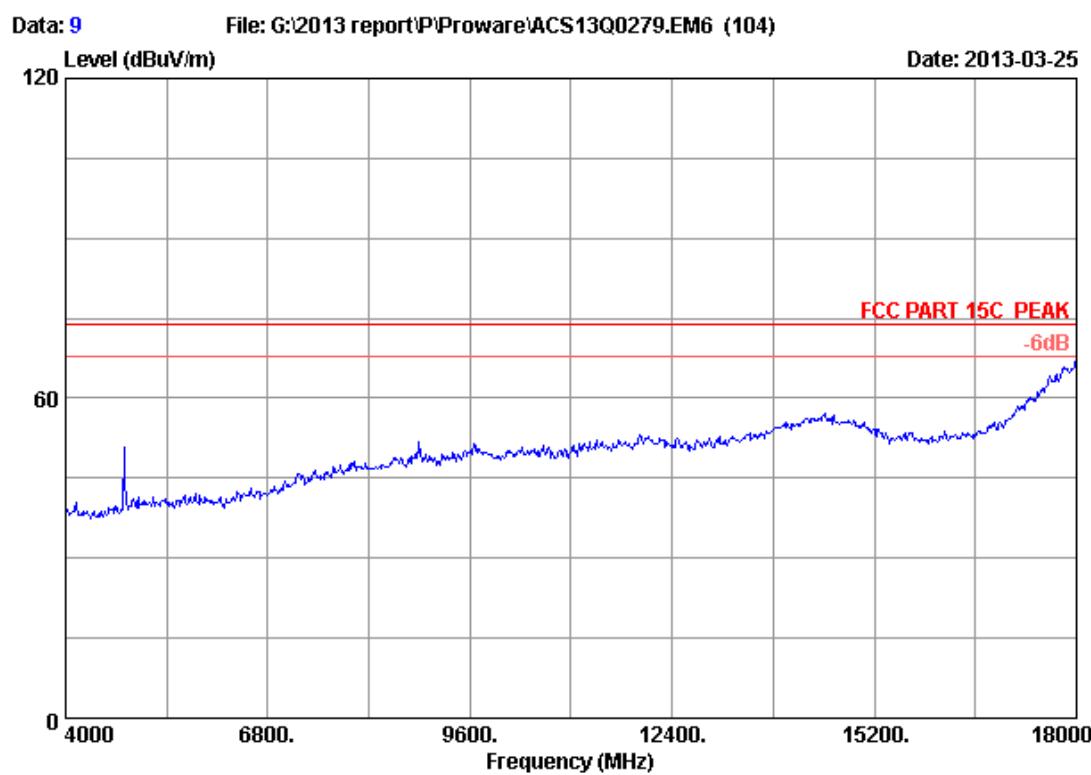


Site no. : 3m Chamber Data no. : 8  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

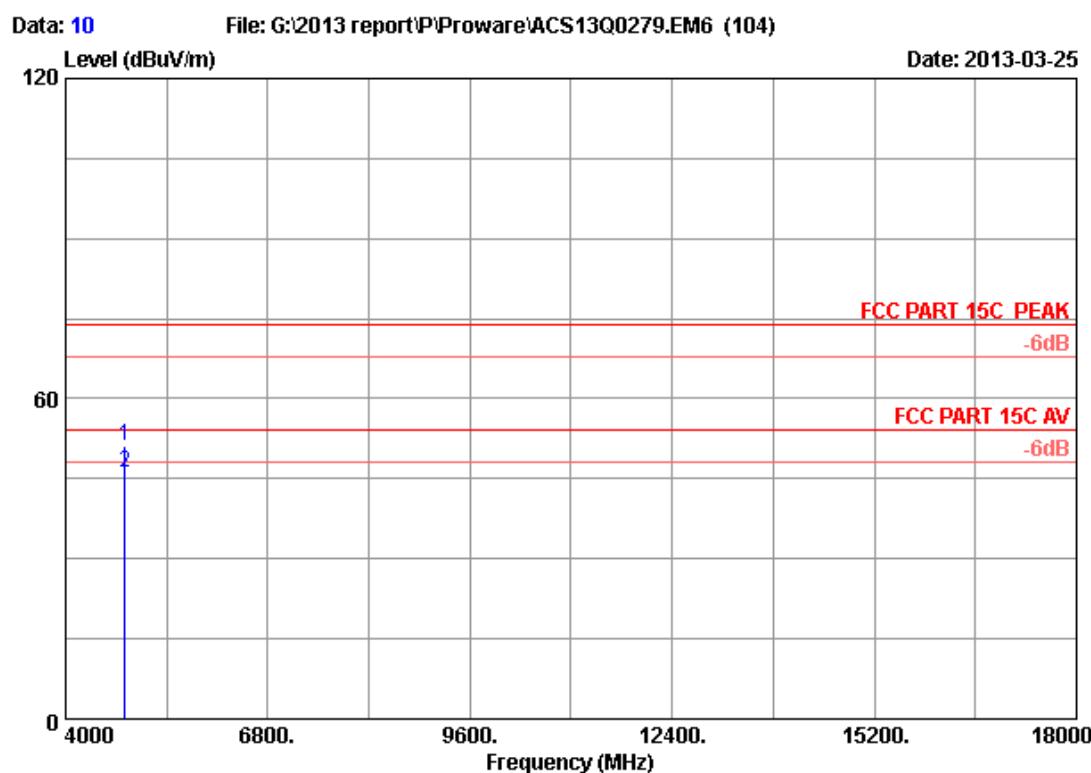
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	49.12	54.61	74.00	19.39 Peak
2	4824.000	32.51	8.69	35.71	45.03	50.52	54.00	3.48 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 9  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

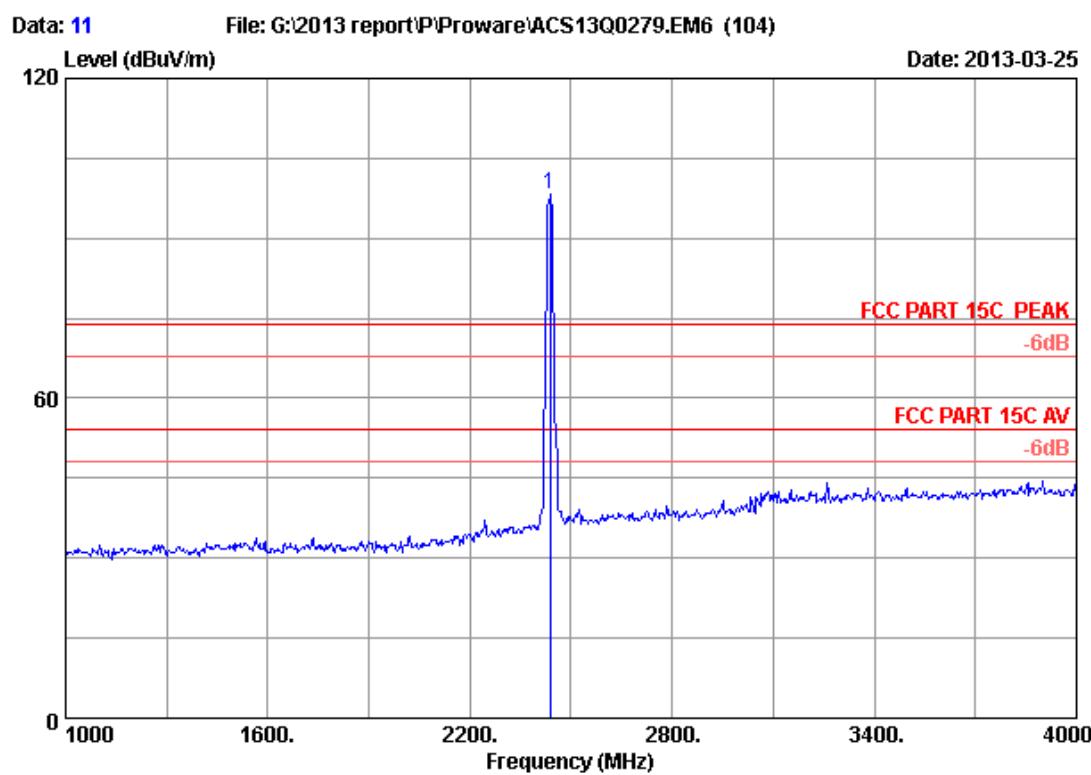


Site no. : 3m Chamber Data no. : 10  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	4824.000	32.51	8.69	35.71	45.52	51.01	22.99
2	4824.000	32.51	8.69	35.71	40.75	46.24	7.76

Remarks:

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

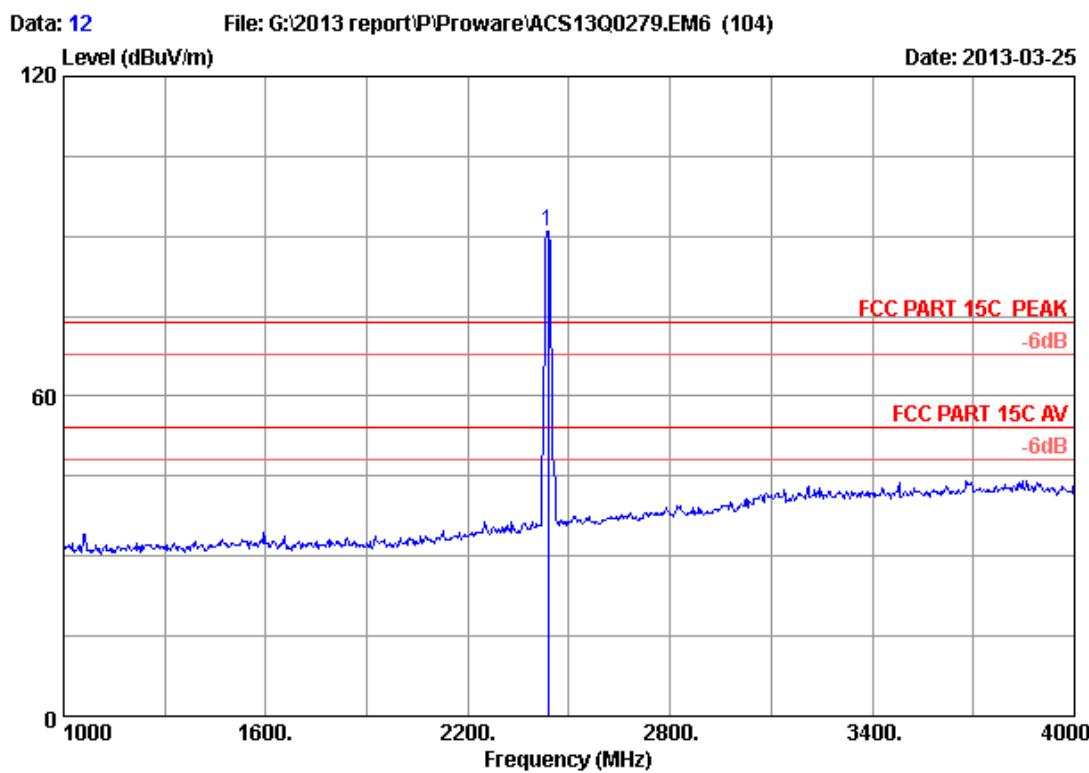


Site no. : 3m Chamber Data no. : 11  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	101.00	98.16	74.00	-24.16 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

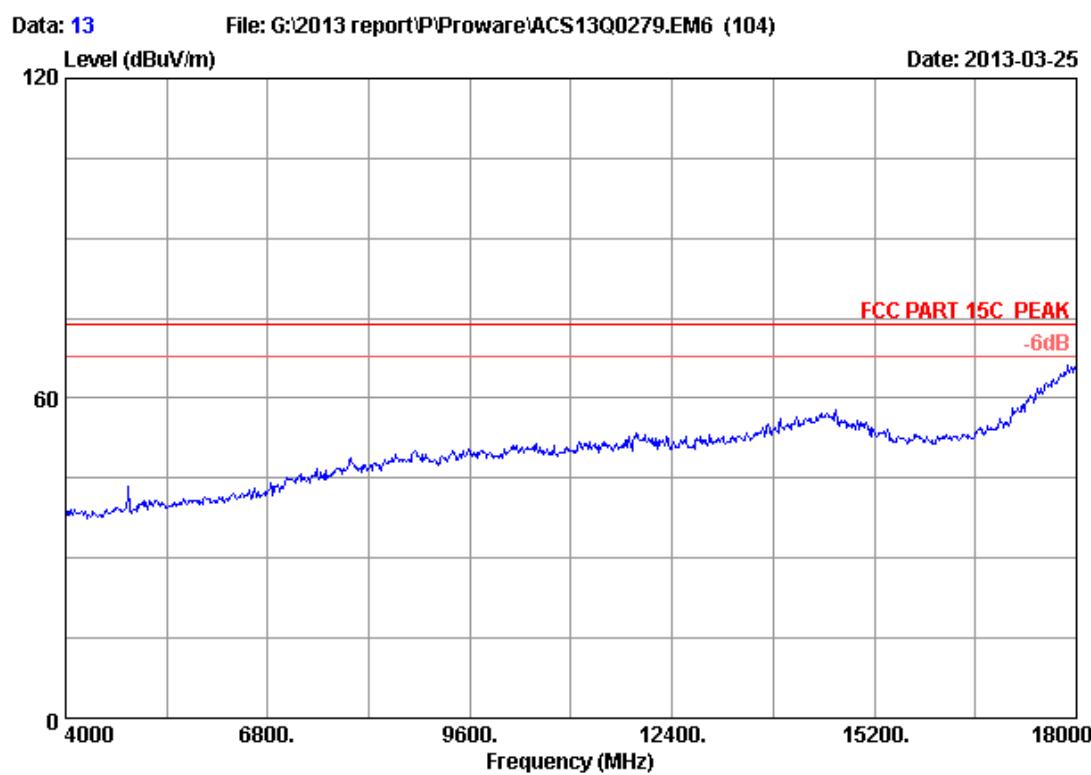


Site no. : 3m Chamber Data no. : 12  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

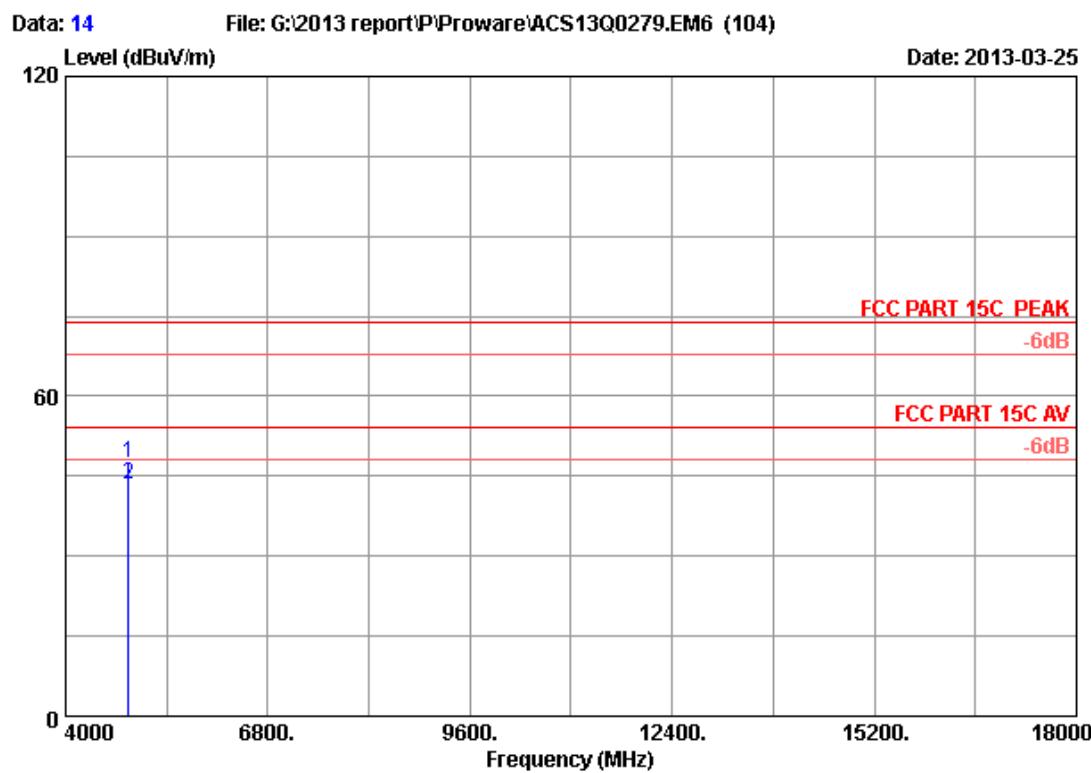
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	93.84	91.00	74.00	-17.00 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 13  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

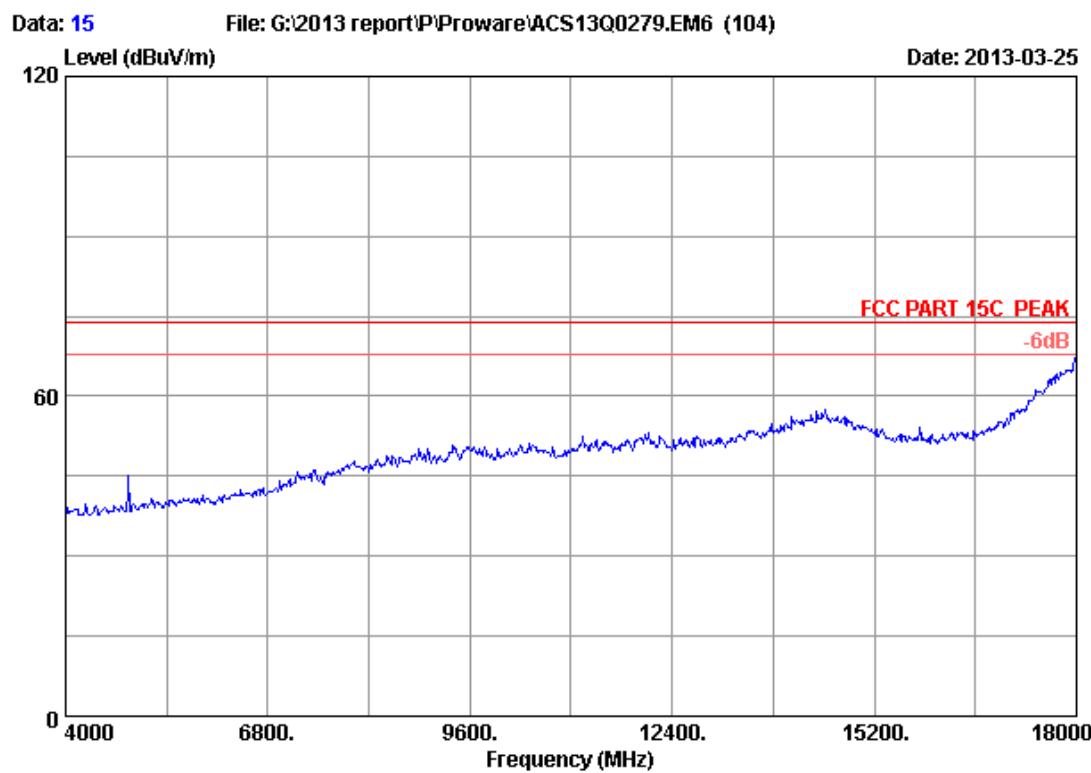


Site no. : 3m Chamber Data no. : 14  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

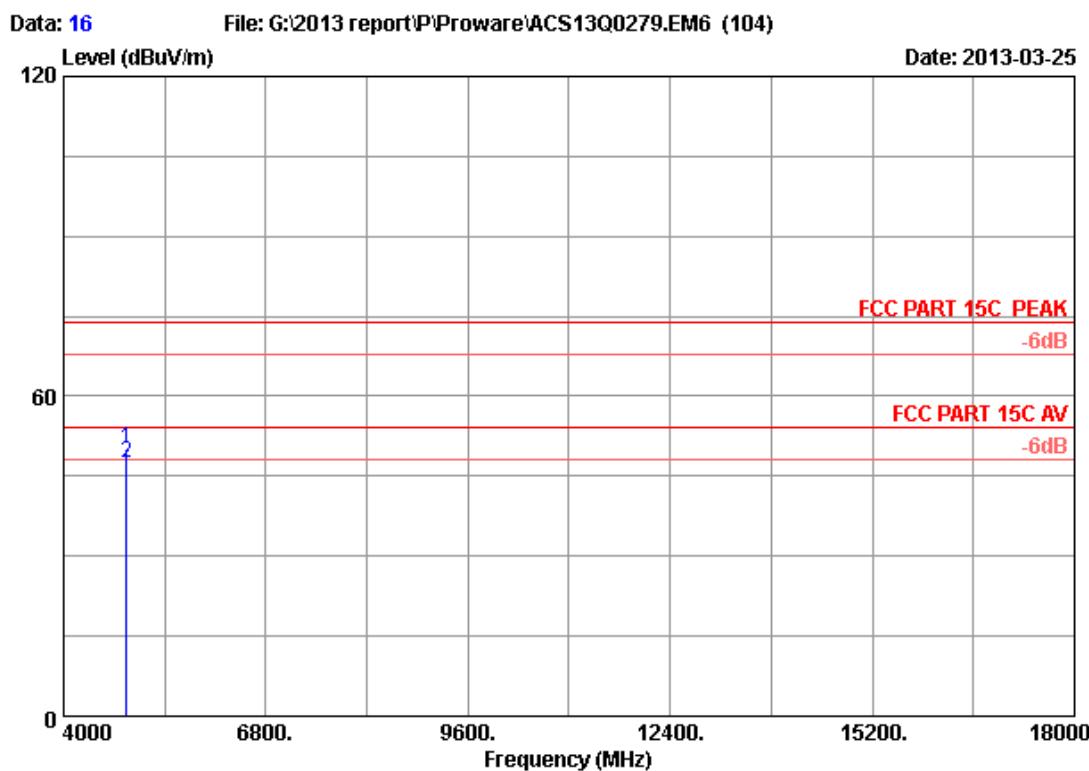
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	41.90	47.56	74.00	26.44 Peak
2	4874.000	32.62	8.73	35.69	37.95	43.61	54.00	10.39 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 15  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

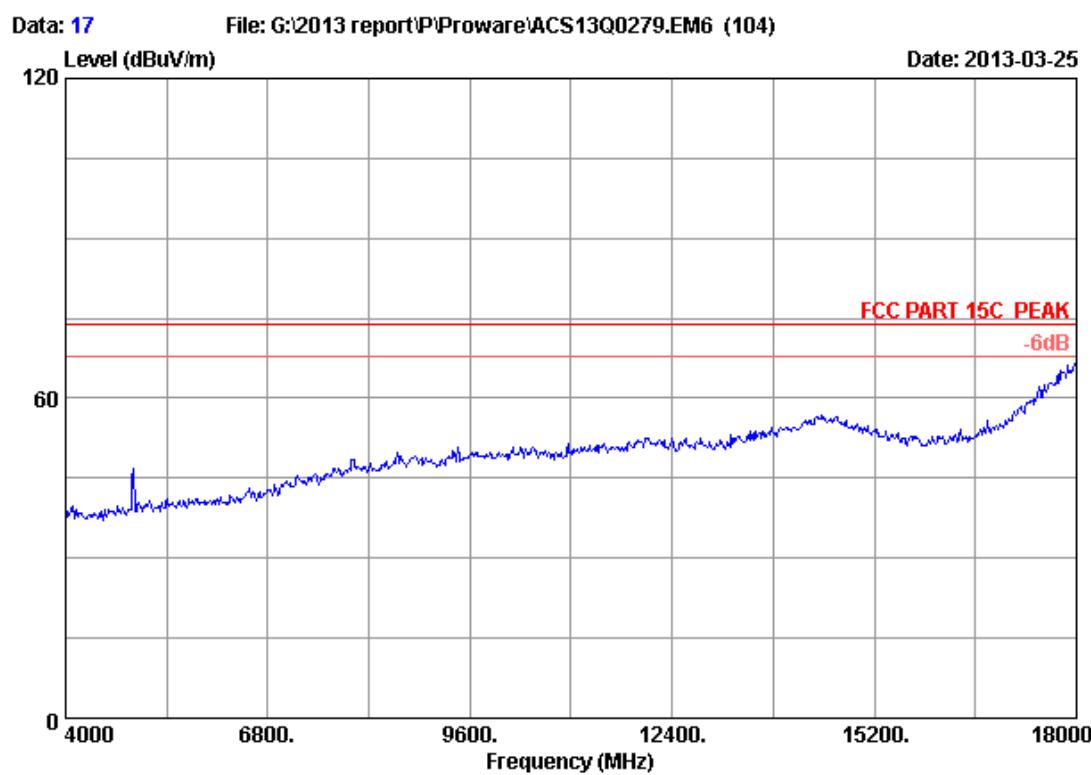


Site no. : 3m Chamber Data no. : 16  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	44.62	50.28	74.00	23.72 Peak
2	4874.000	32.62	8.73	35.69	41.95	47.61	54.00	6.39 Average

Remarks:

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

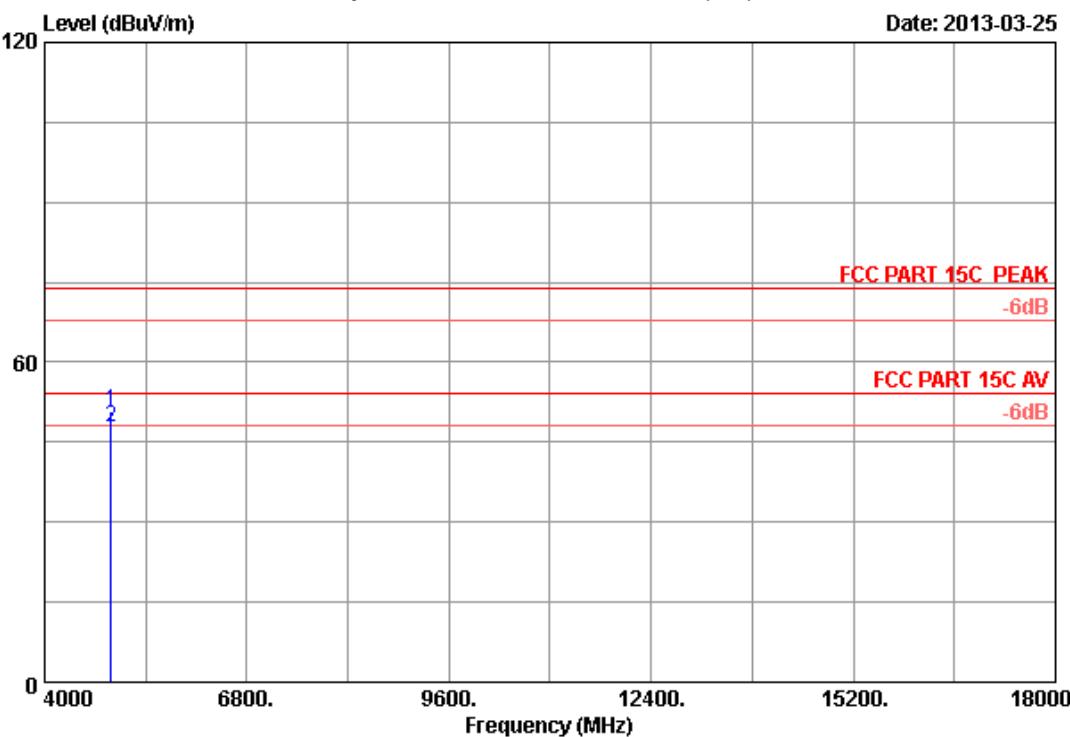


Site no. : 3m Chamber Data no. : 17  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Data: 18

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Date: 2013-03-25

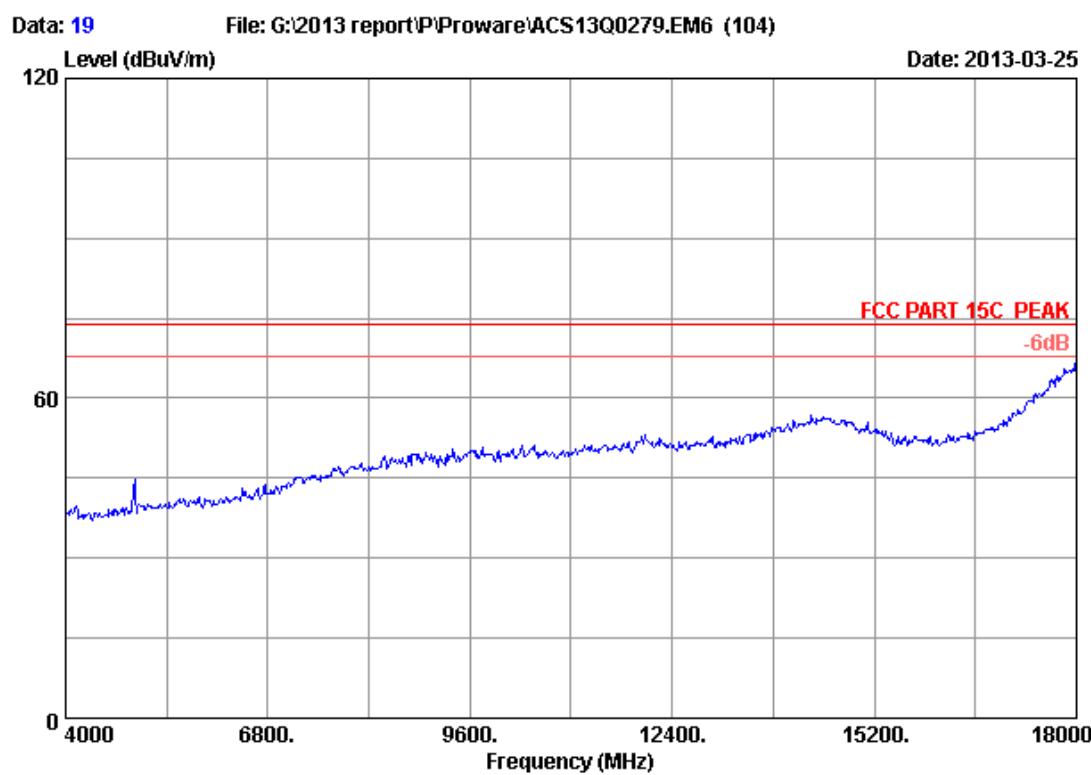


Site no. : 3m Chamber Data no. : 18  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

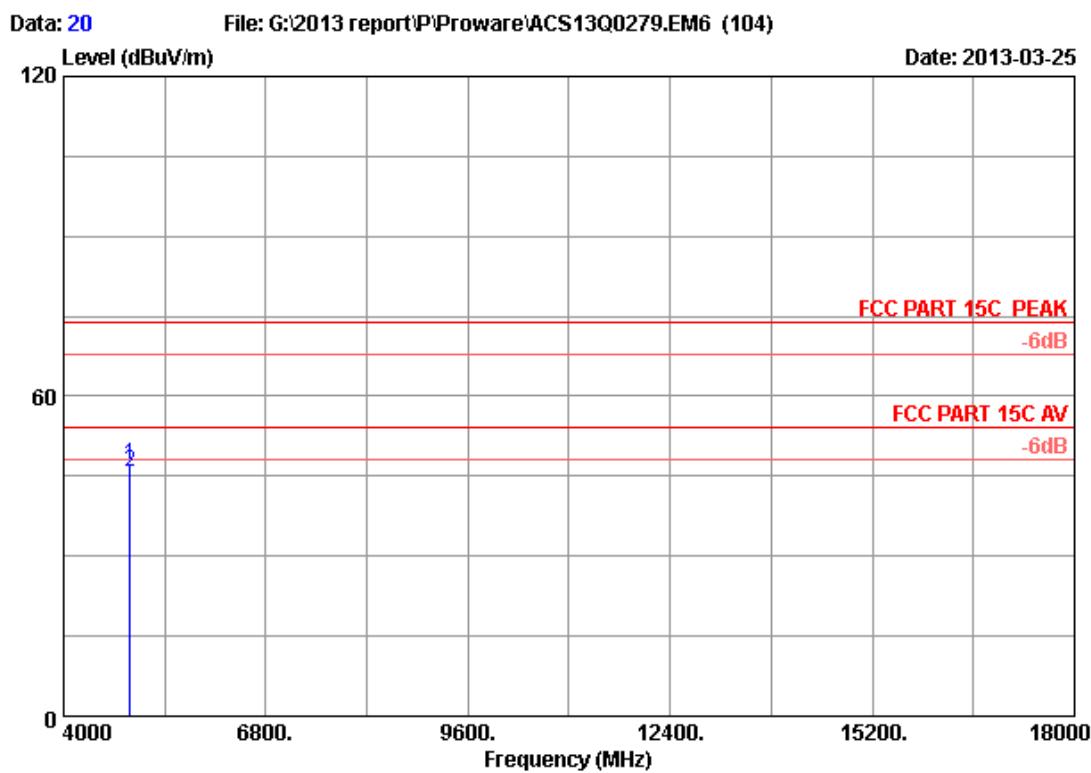
Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>B</sub> V)	Level (dB <sub>B</sub> V/m)	Limits (dB <sub>B</sub> V/m)	Margin (dB)	Remark
1 4924.000	32.73	8.78	35.68	44.82	50.65	74.00	23.35	Peak
2 4924.000	32.73	8.78	35.68	42.12	47.95	54.00	6.05	Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 19  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U



Site no. : 3m Chamber Data no. : 20  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	41.39	47.22	74.00	26.78 Peak
2	4924.000	32.73	8.78	35.68	39.82	45.65	54.00	8.35 Average

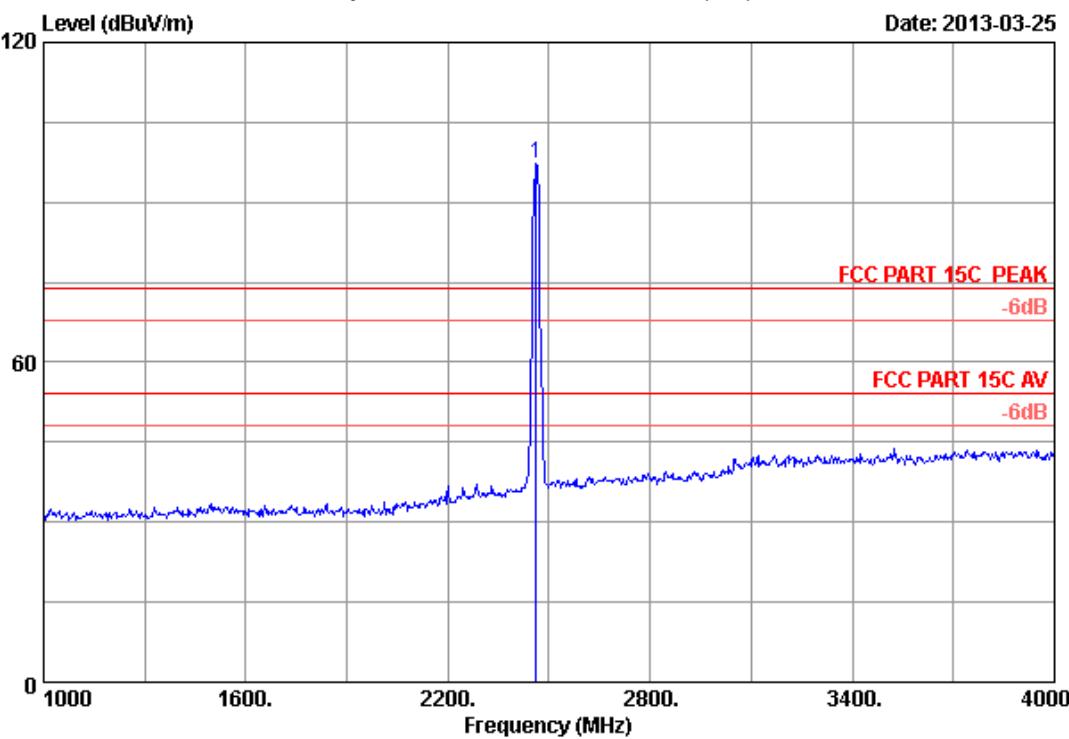
Remarks:

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

Data: 21

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25

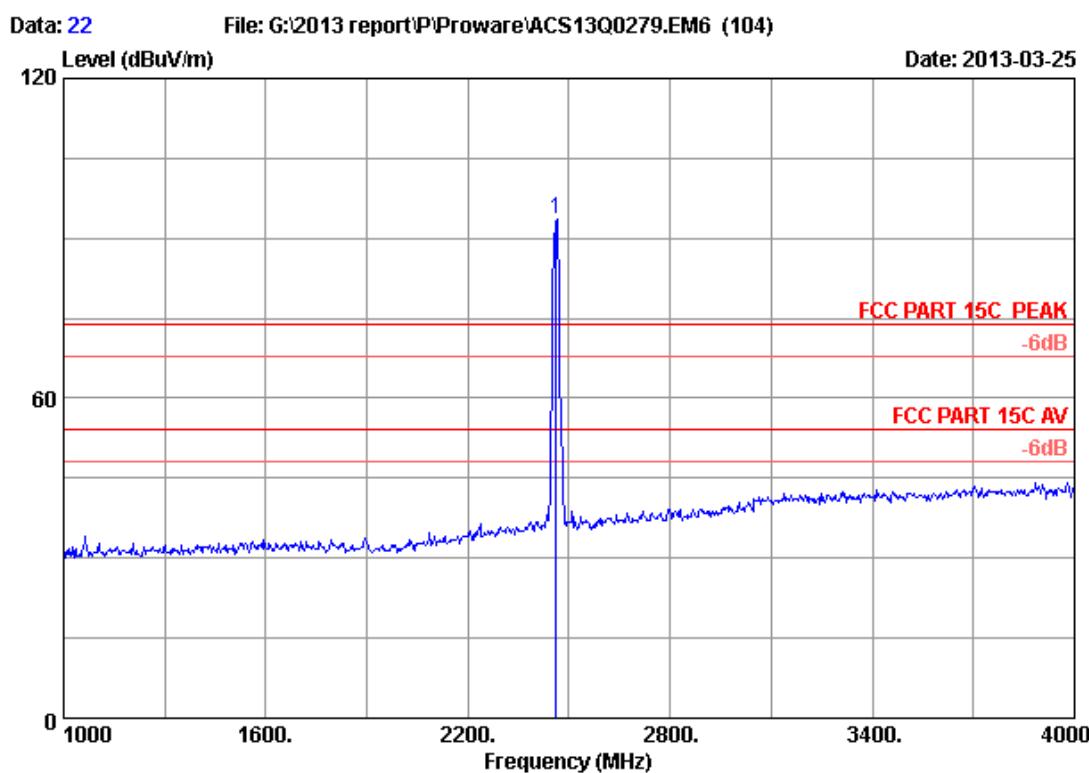


Site no. : 3m Chamber Data no. : 21  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission			
				Reading (dB <sub>B</sub> V)	Level (dB <sub>B</sub> V/m)	Limits (dB <sub>B</sub> V/m)	Margin (dB)
1 2462.000	27.16	6.12	35.92	100.04	97.40	74.00	-23.40 Peak

## Remarks:

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

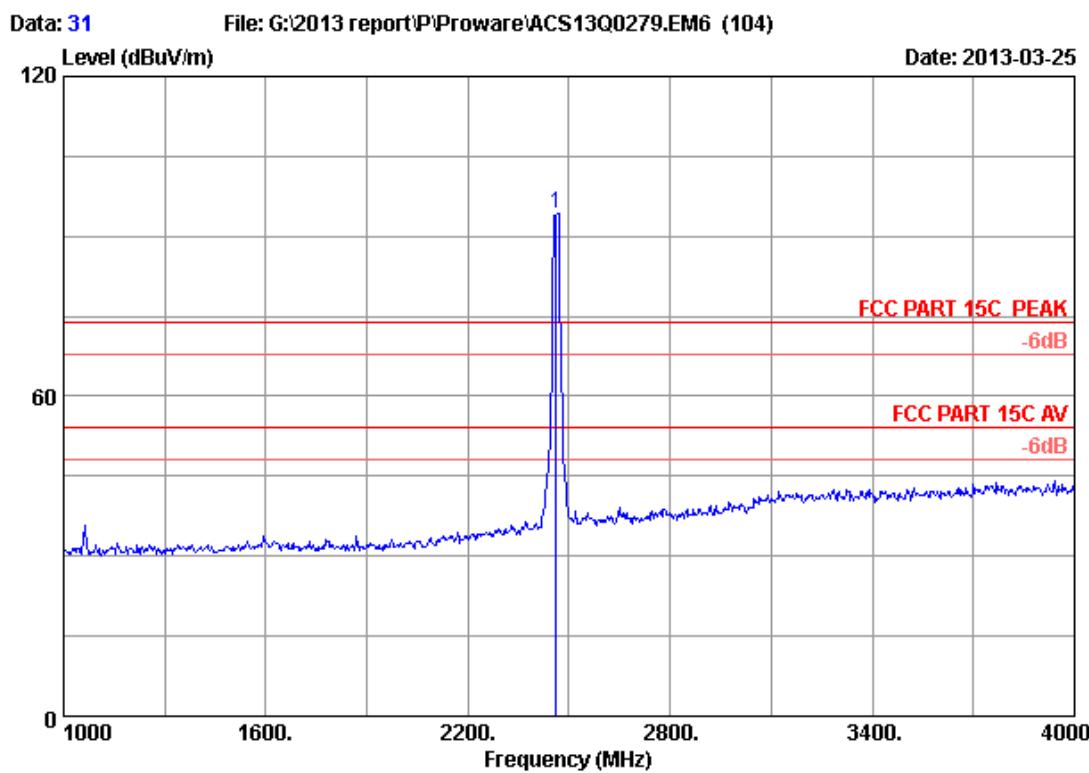


Site no. : 3m Chamber Data no. : 22  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2462.000	27.16	6.12	35.92	96.25	93.61	74.00	-19.61 Peak

## Remarks:

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

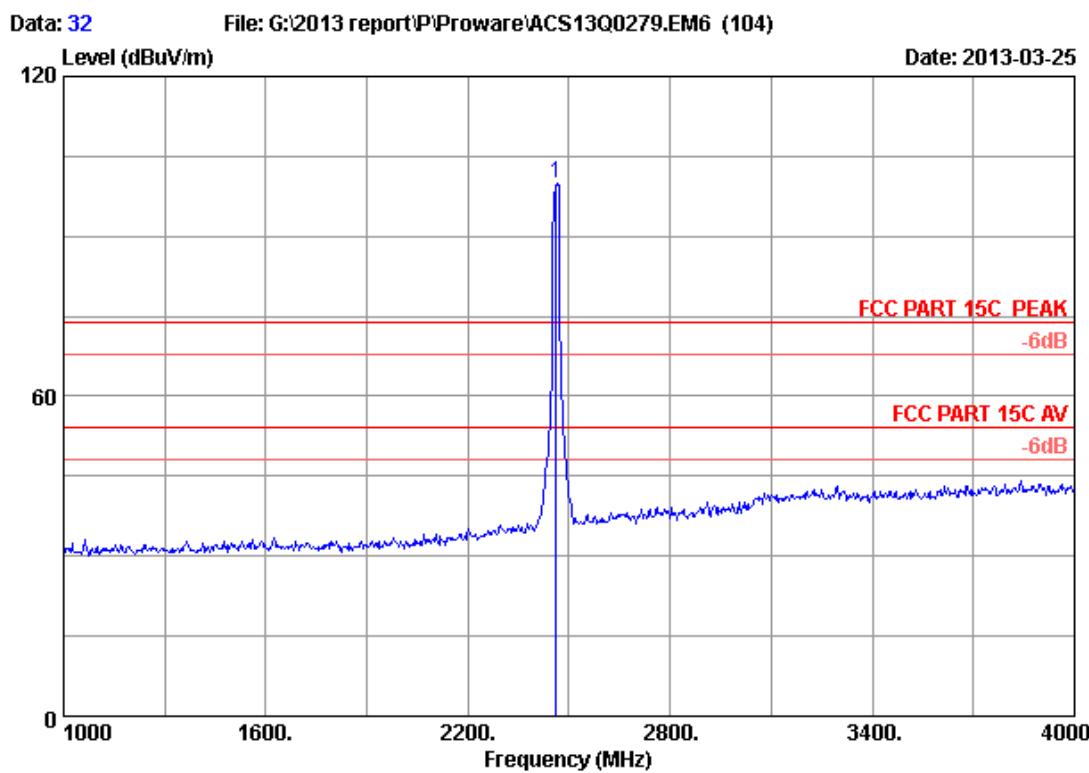


Site no. : 3m Chamber Data no. : 31  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2462.000	27.16	6.12	35.92	96.83	94.19	74.00	-20.19 Peak

Remarks:

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

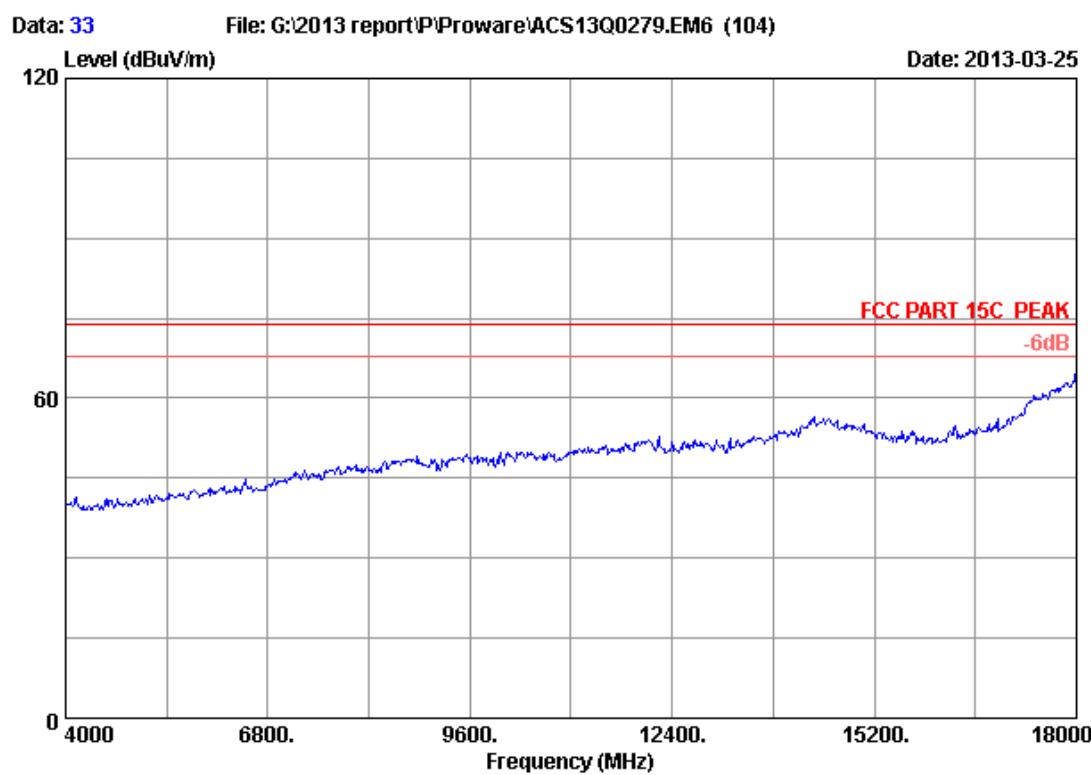


Site no. : 3m Chamber Data no. : 32  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

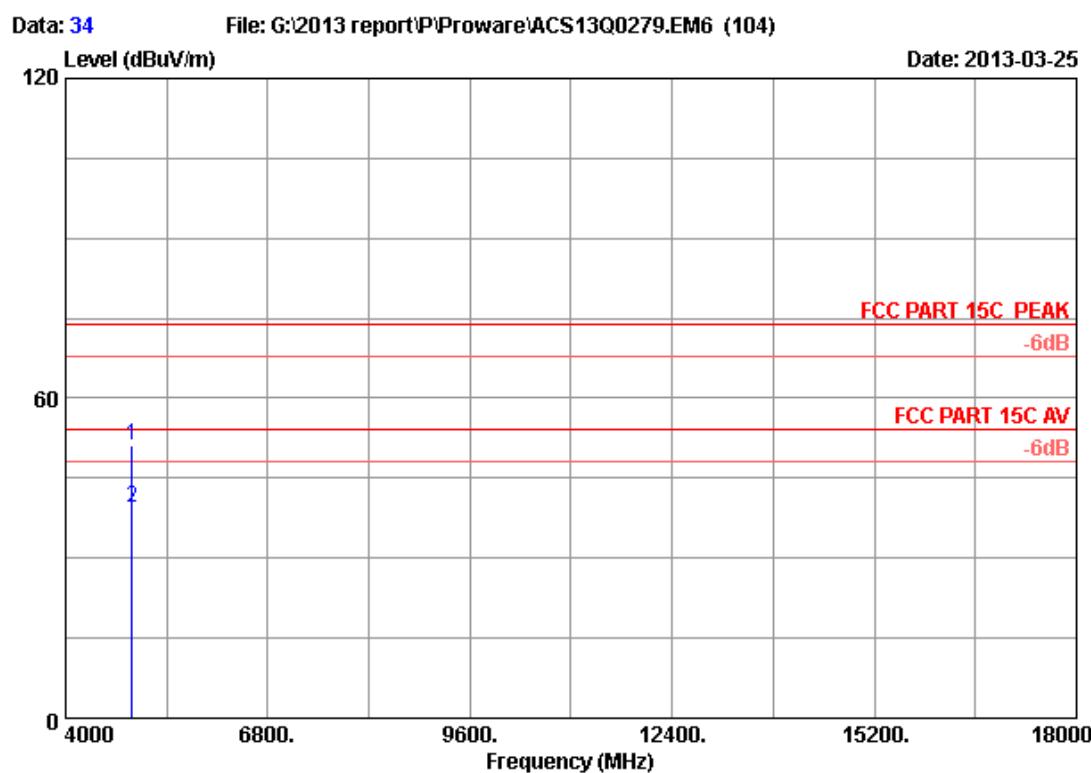
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	102.64	100.00	74.00 -26.00 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 33  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

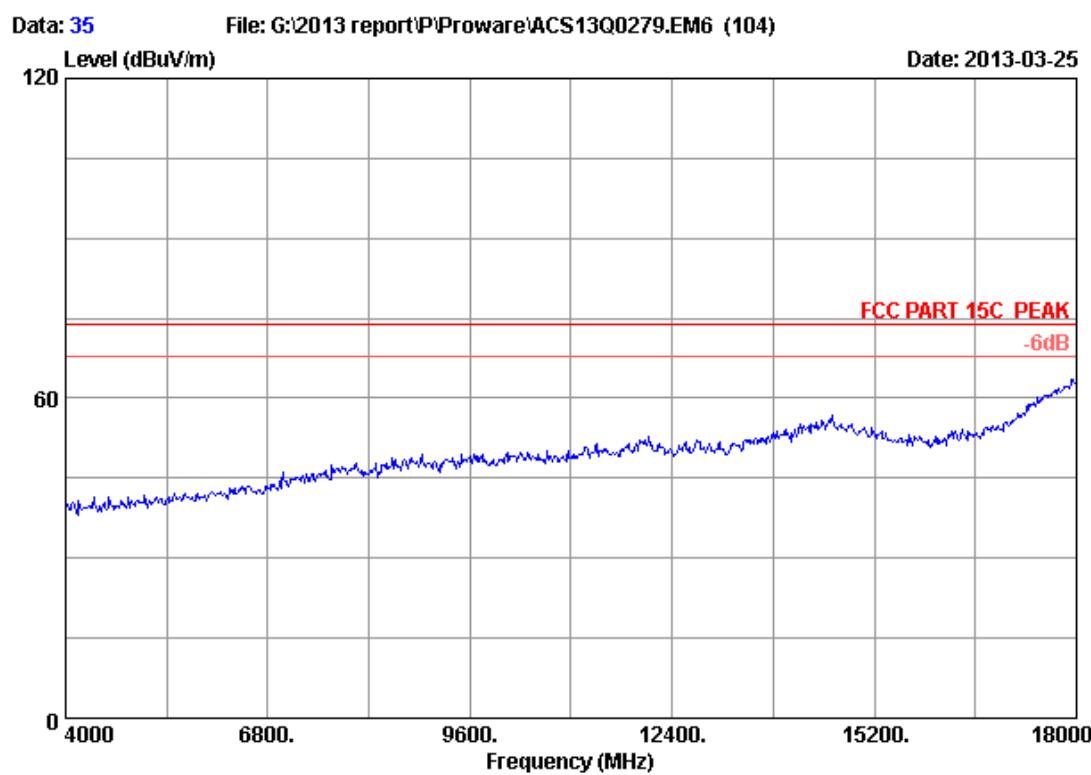


Site no. : 3m Chamber      Data no. : 34  
 Dis. / Ant. : 3m 2012 3115 (4580)      Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%      Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

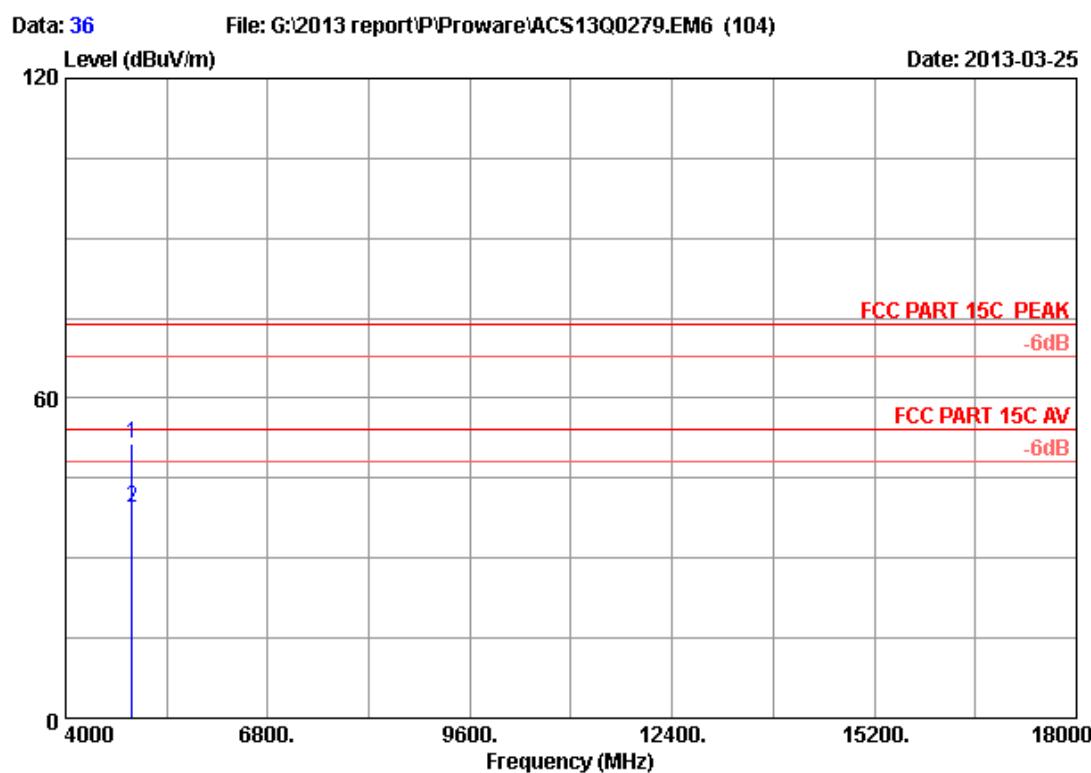
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.23	51.06	74.00	22.94 Peak
2	4924.000	32.73	8.78	35.68	33.56	39.39	54.00	14.61 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 35  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

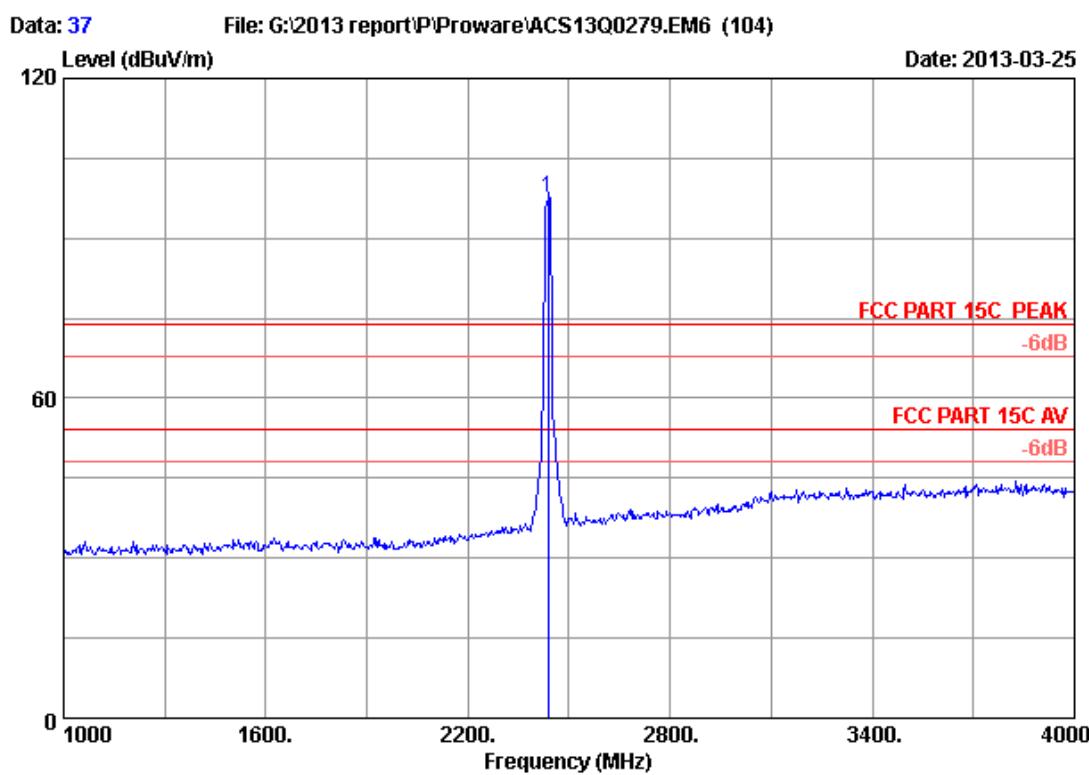


Site no. : 3m Chamber Data no. : 36  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.62	51.45	74.00	22.55 Peak
2	4924.000	32.73	8.78	35.68	33.61	39.44	54.00	14.56 Average

Remarks:

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

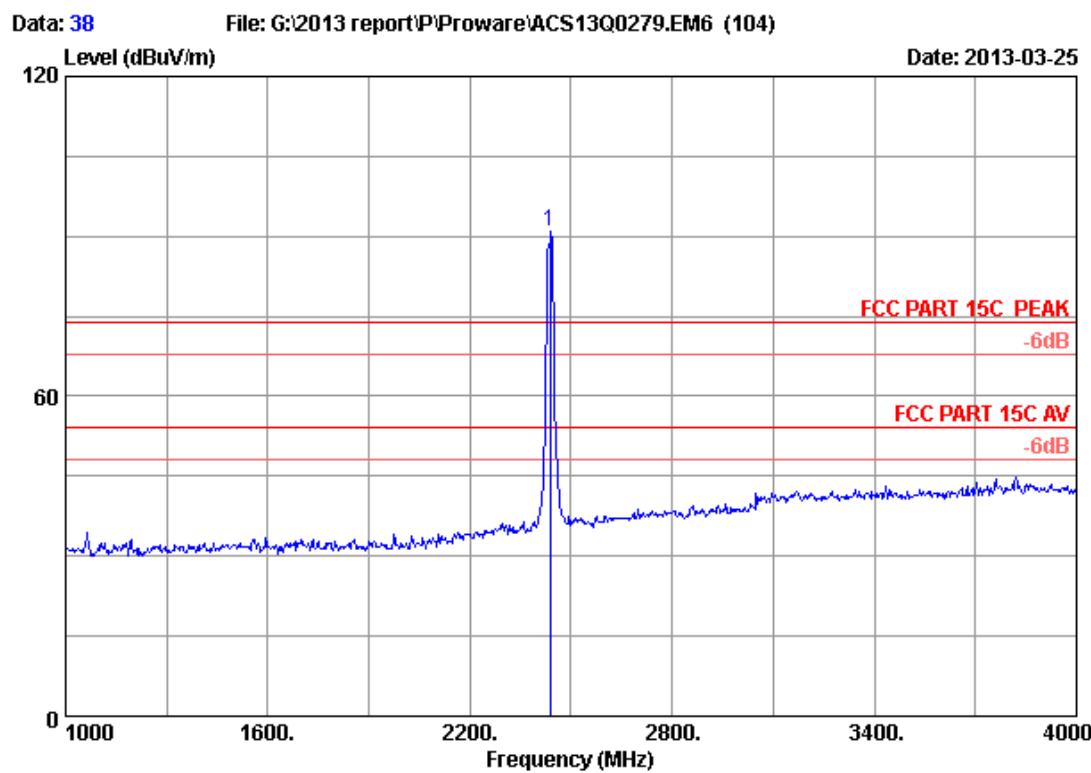


Site no. : 3m Chamber Data no. : 37  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2437.000	27.00	6.08	35.92	100.28	97.44	74.00	-23.44	Peak

Remarks:

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

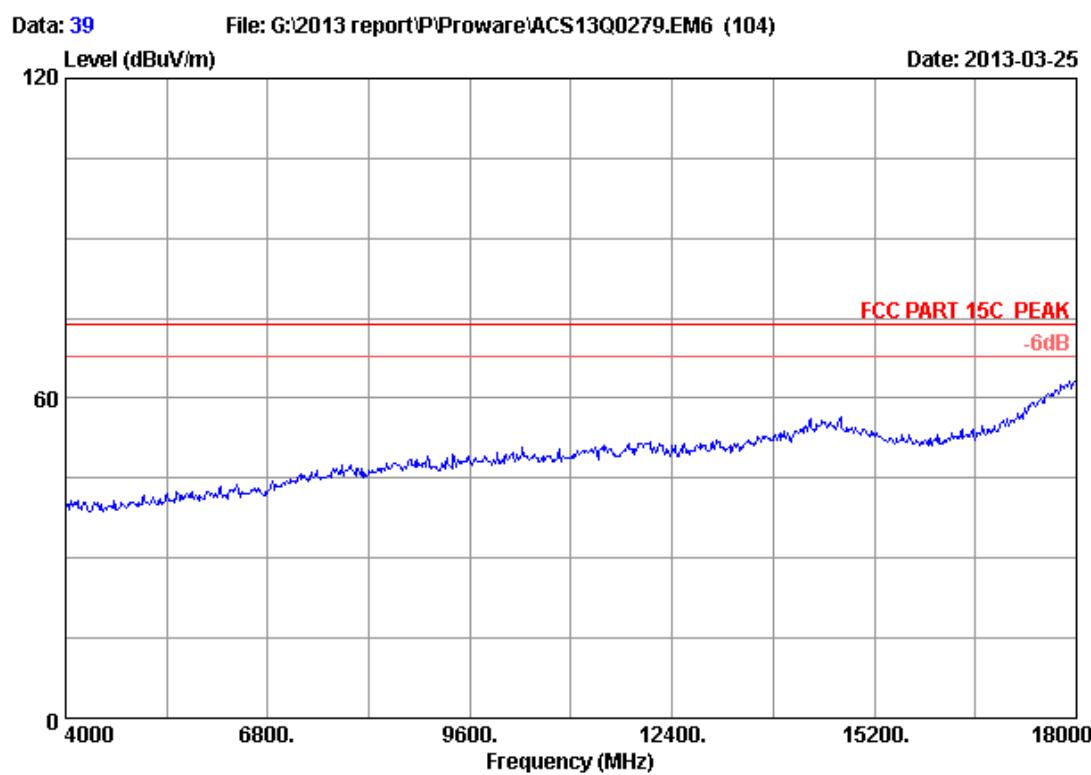


Site no. : 3m Chamber Data no. : 38  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

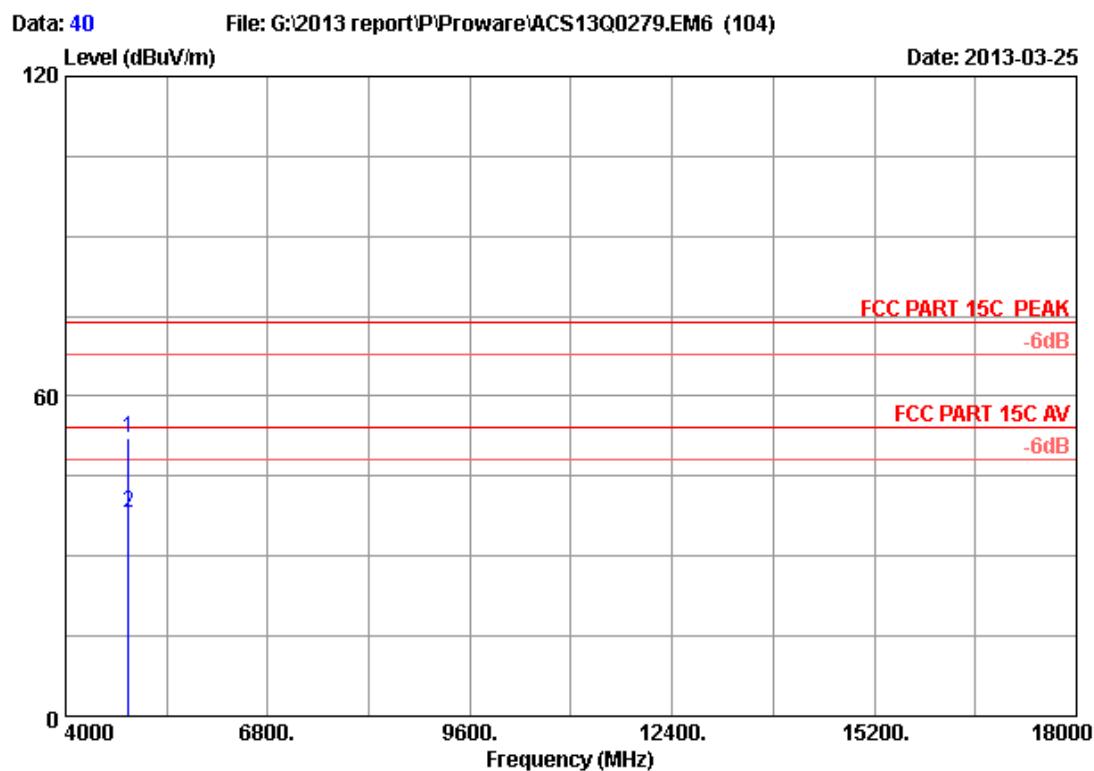
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	93.73	90.89	74.00	-16.89 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 39  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

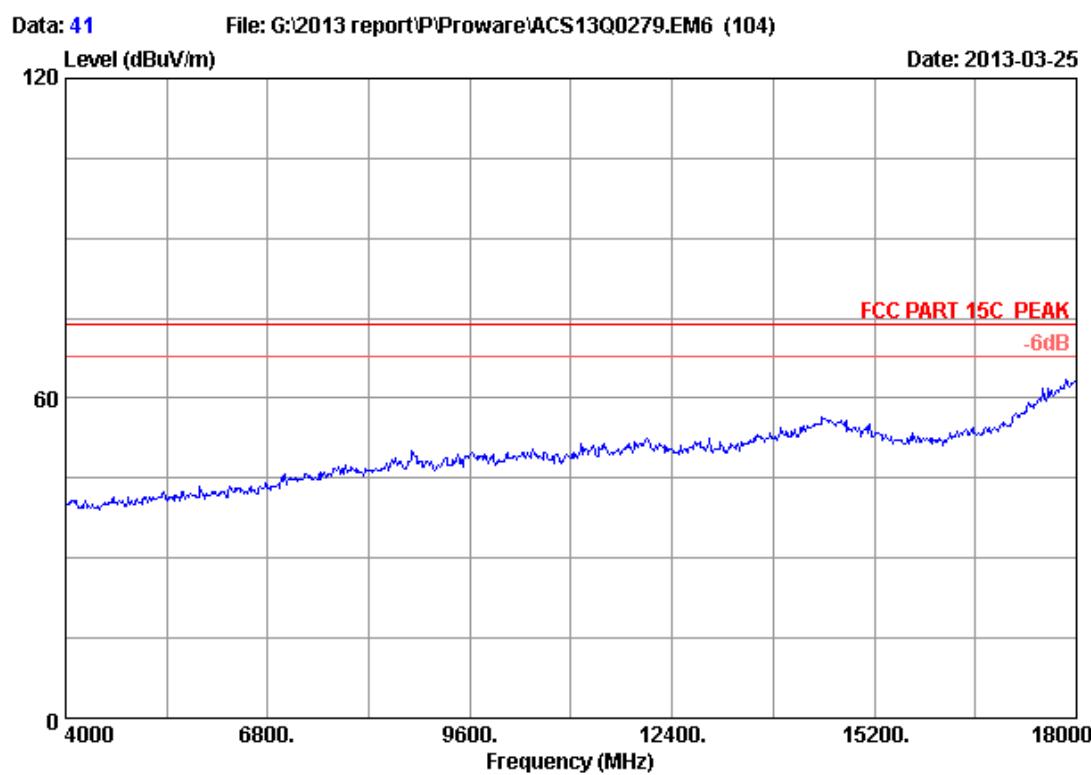


Site no. : 3m Chamber Data no. : 40  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

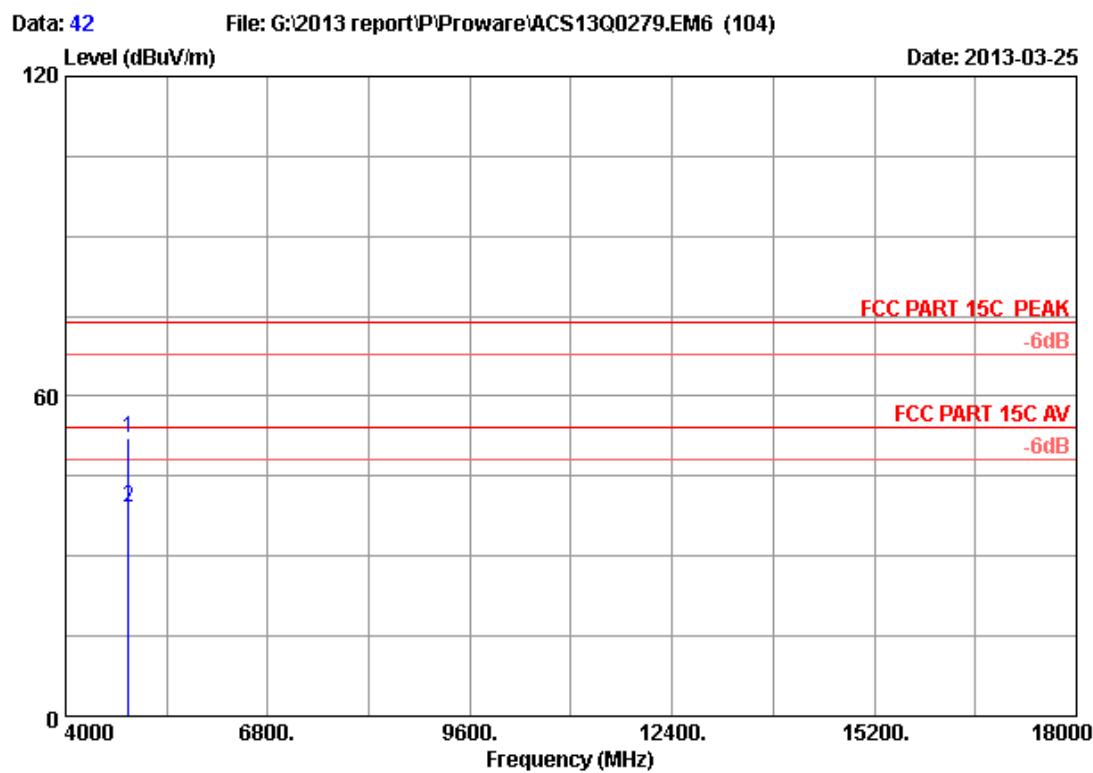
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	46.62	52.28	74.00	21.72 Peak
2	4874.000	32.62	8.73	35.69	32.46	38.12	54.00	15.88 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 41  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

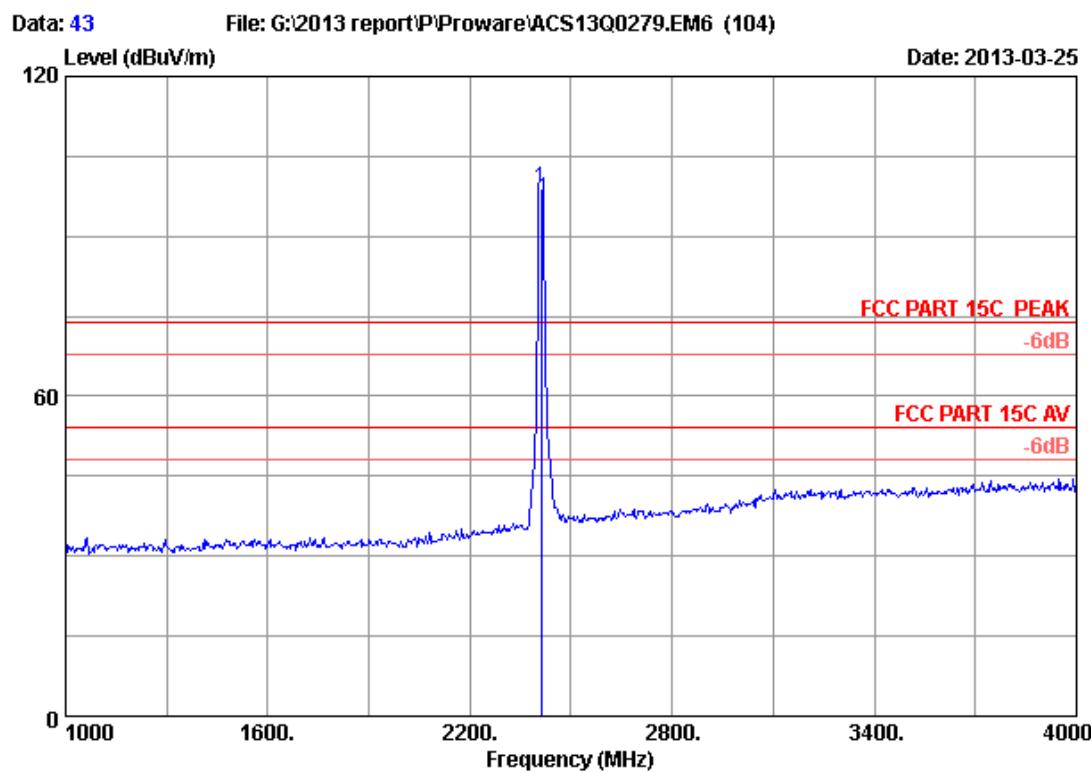


Site no. : 3m Chamber Data no. : 42  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	46.54	52.20	74.00	21.80 Peak
2	4874.000	32.62	8.73	35.69	33.41	39.07	54.00	14.93 Average

Remarks:

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

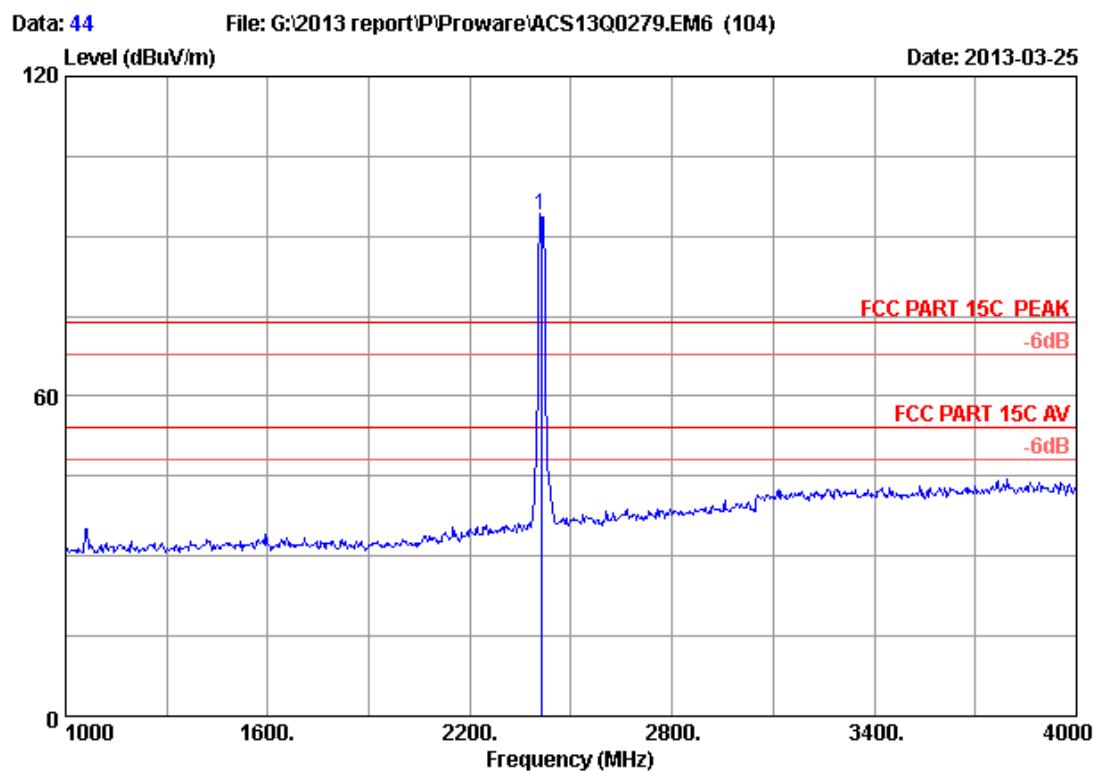


Site no. : 3m Chamber Data no. : 43  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2412.000	26.84	6.04	35.92	102.11	99.07	74.00	-25.07	Peak

Remarks:

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

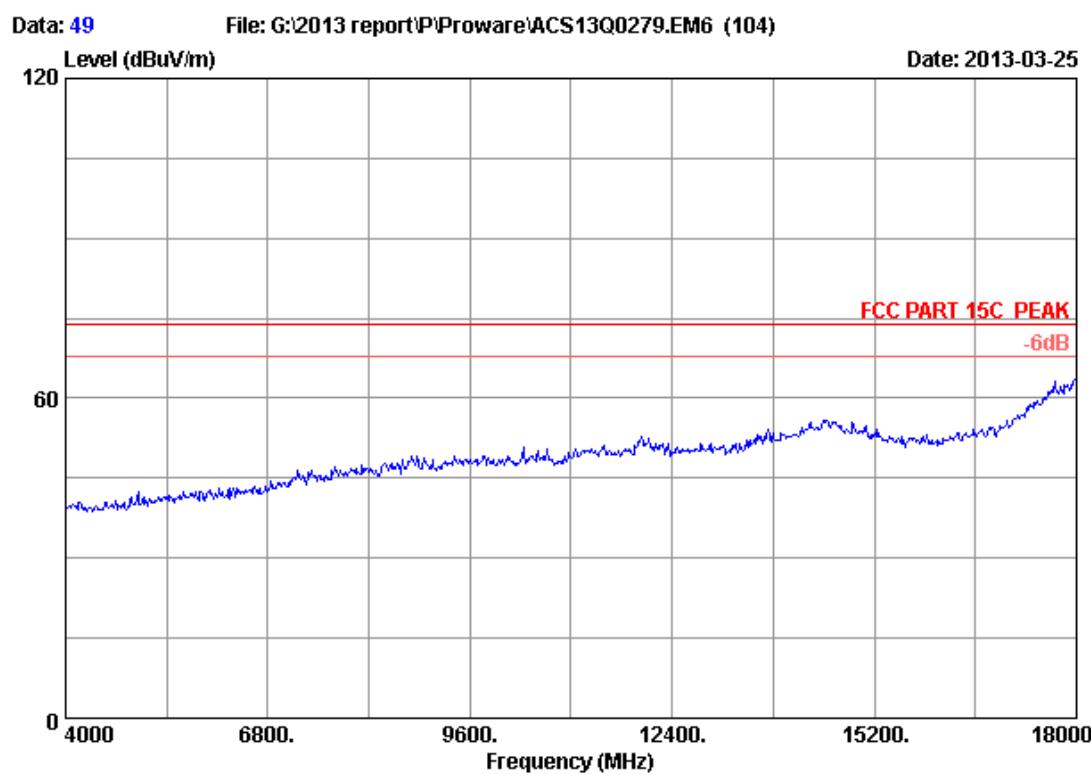


Site no. : 3m Chamber Data no. : 44  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

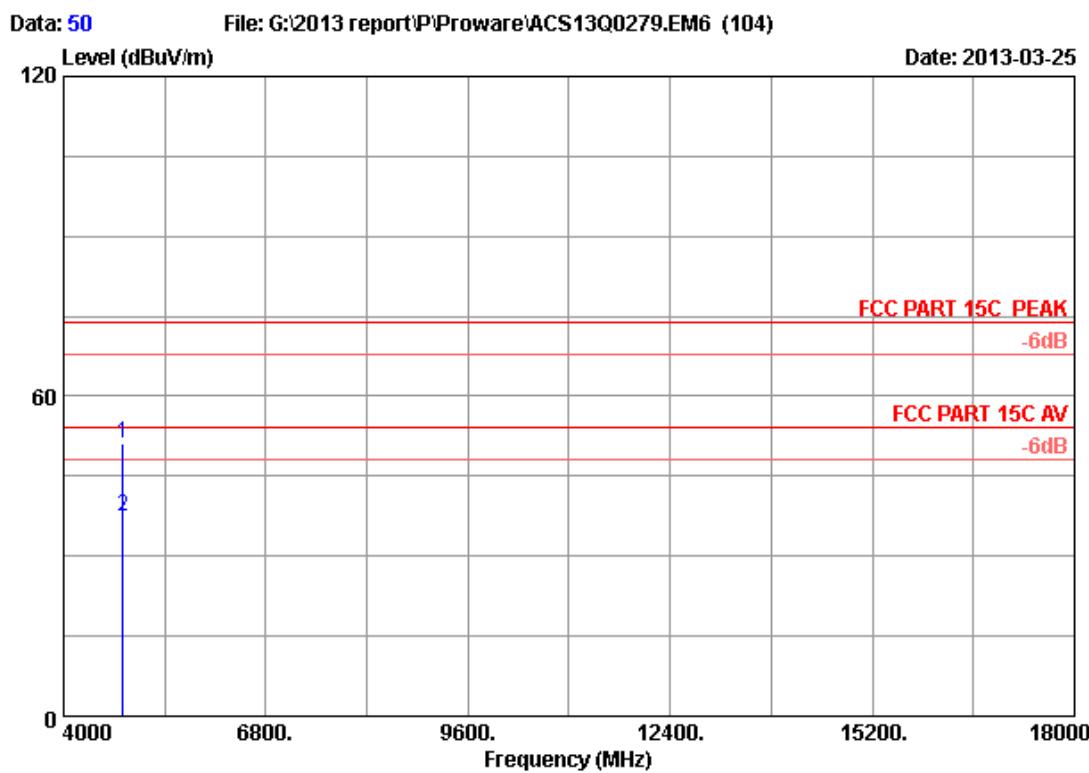
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	96.84	93.80	74.00	-19.80 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 49  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

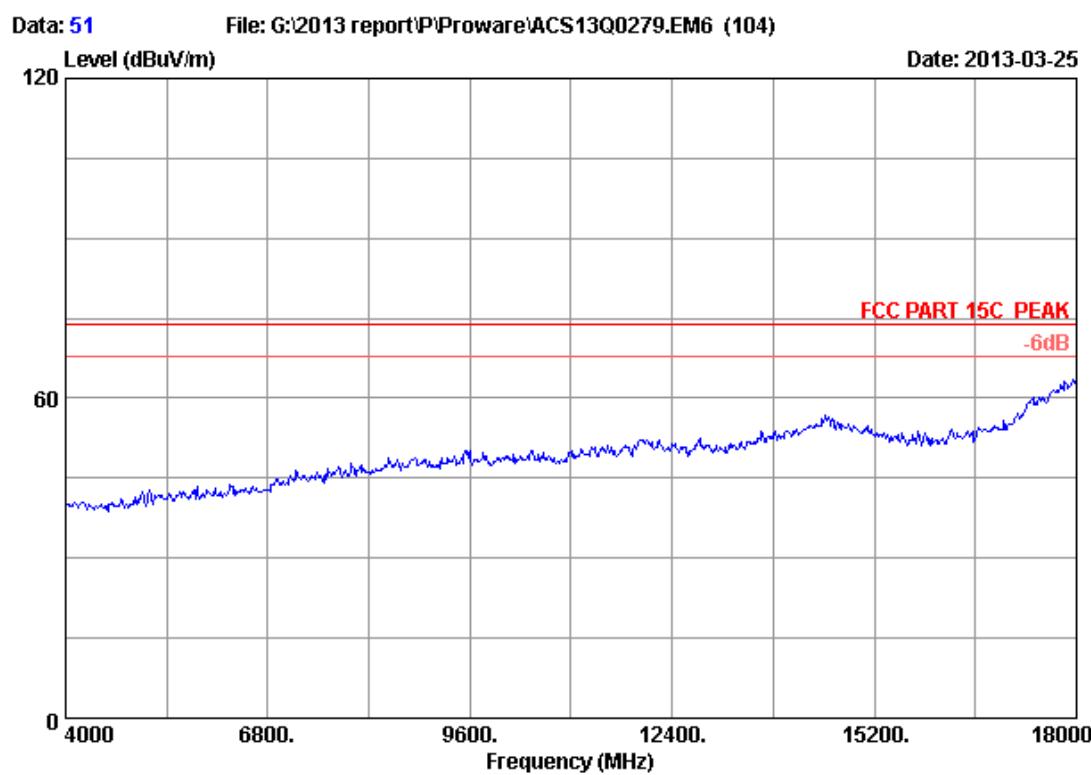


Site no. : 3m Chamber Data no. : 50  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

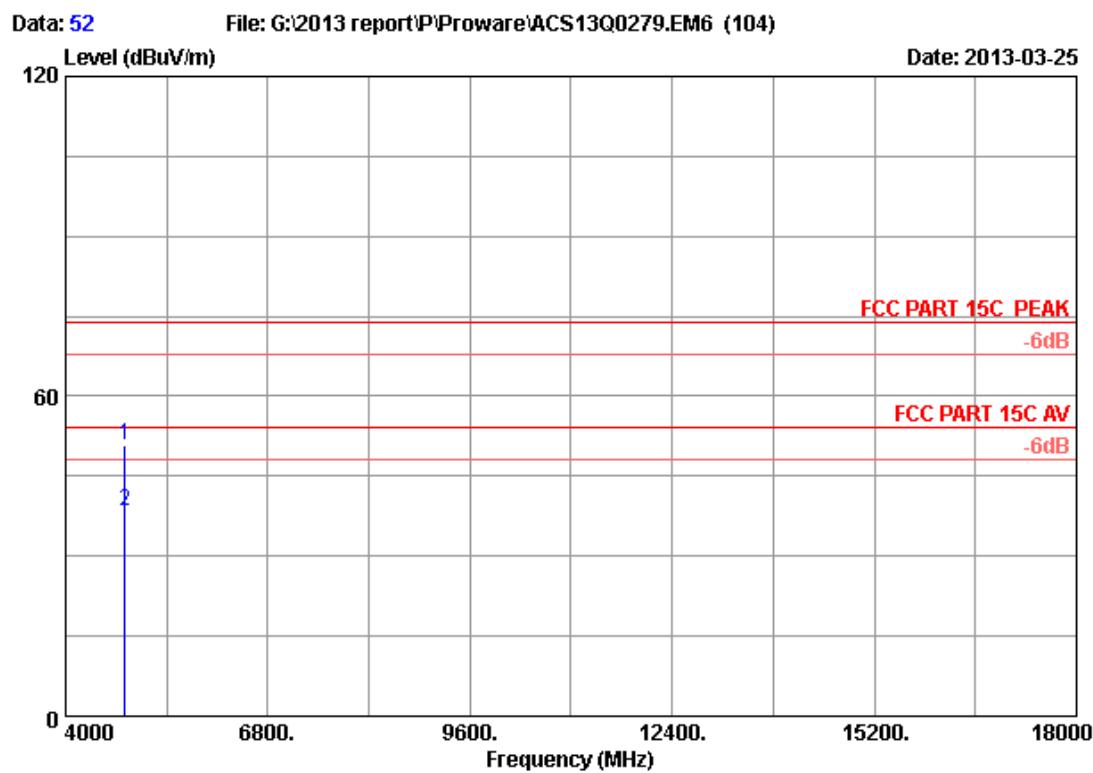
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	45.71	51.20	74.00	22.80 Peak
2	4824.000	32.51	8.69	35.71	32.04	37.53	54.00	16.47 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 51  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

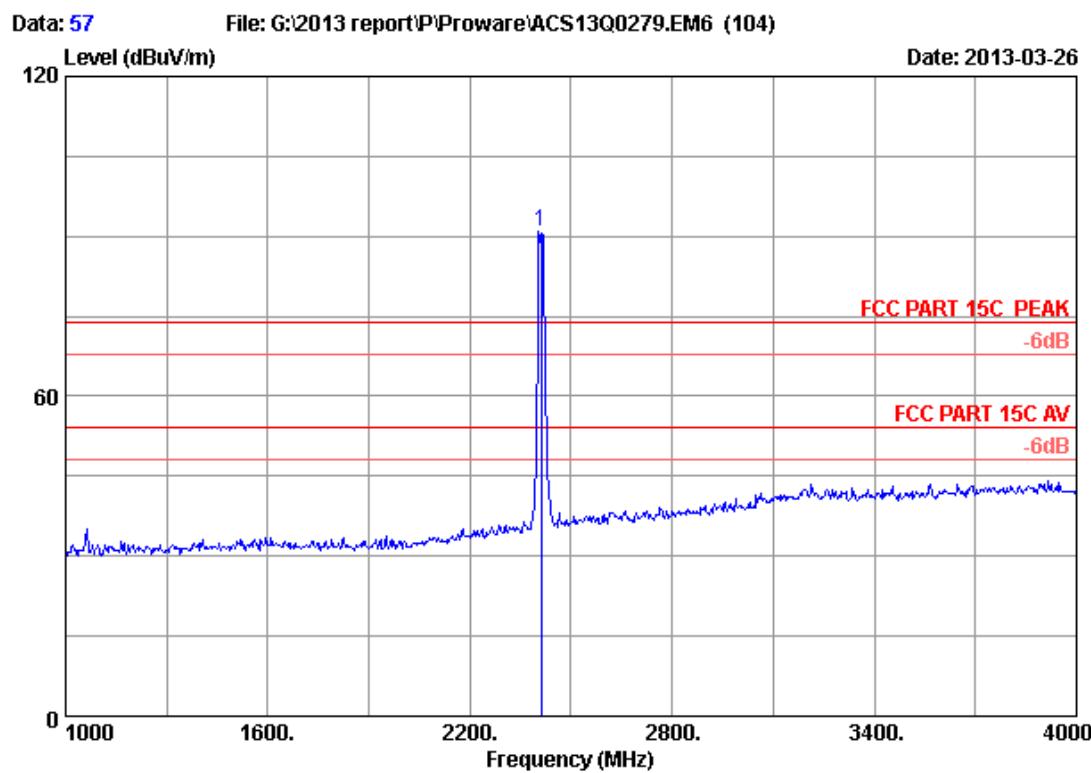


Site no. : 3m Chamber Data no. : 52  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	45.32	50.81	74.00	23.19 Peak
2	4824.000	32.51	8.69	35.71	32.85	38.34	54.00	15.66 Average

Remarks:

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

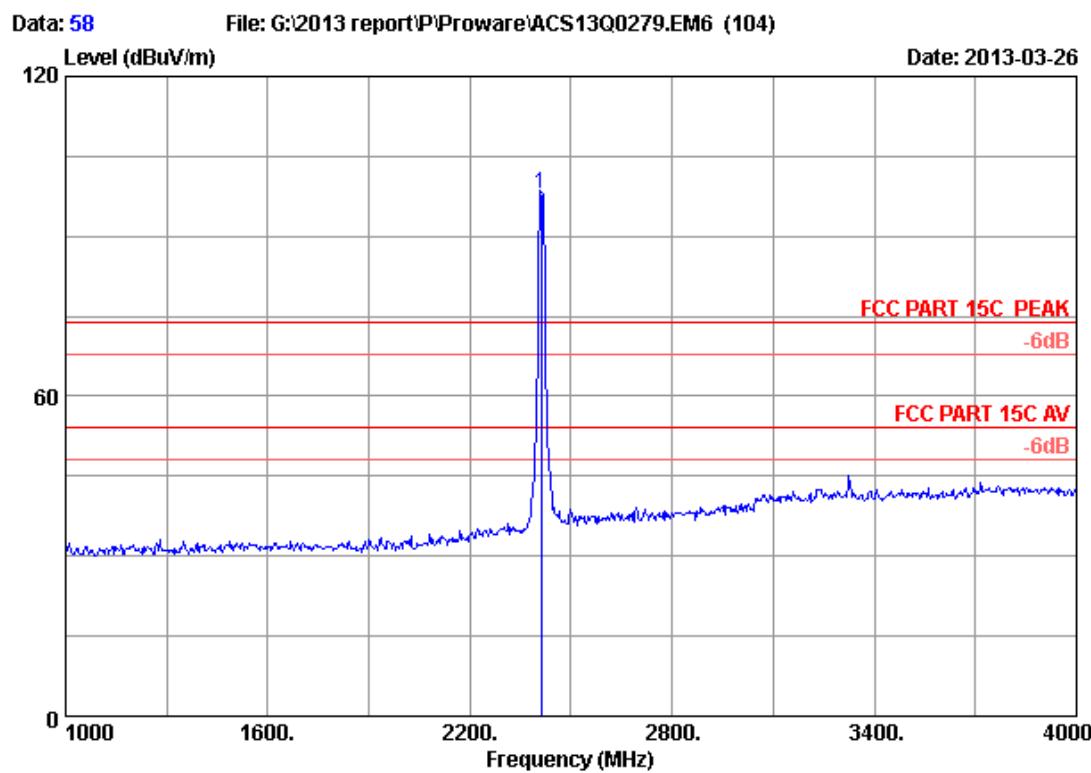


Site no. : 3m Chamber Data no. : 57  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	93.92	90.88	74.00	-16.88 Peak

Remarks:

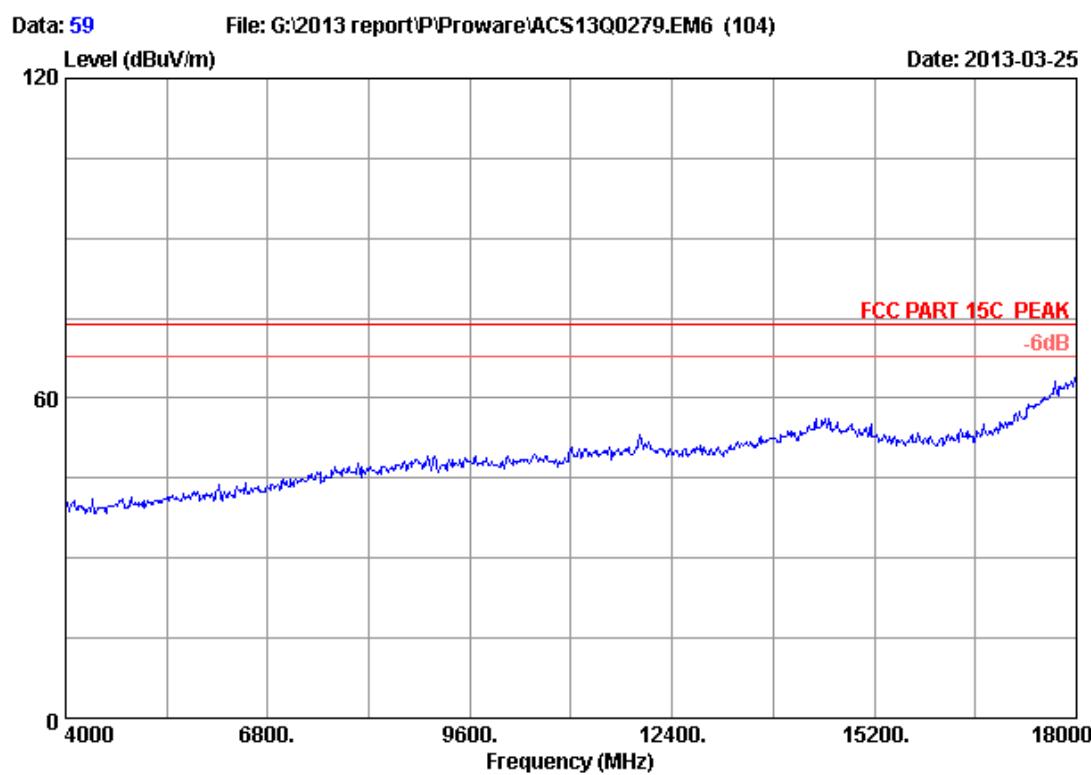
- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



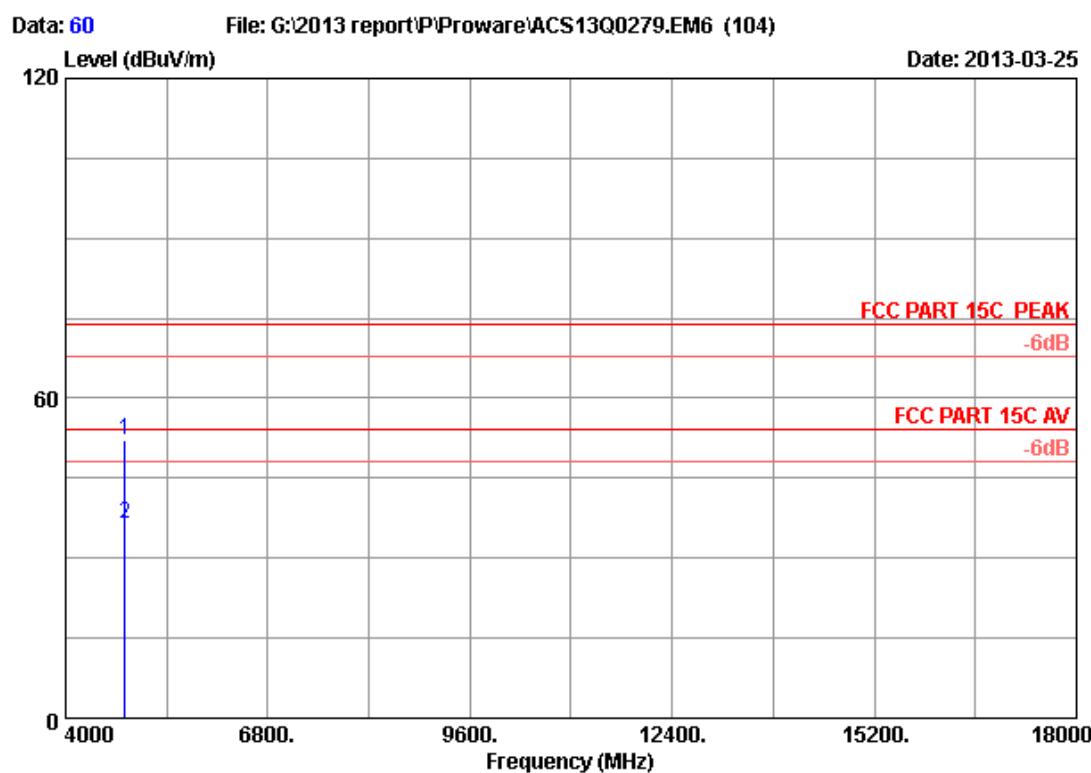
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	101.12	98.08	74.00	-24.08 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 59  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

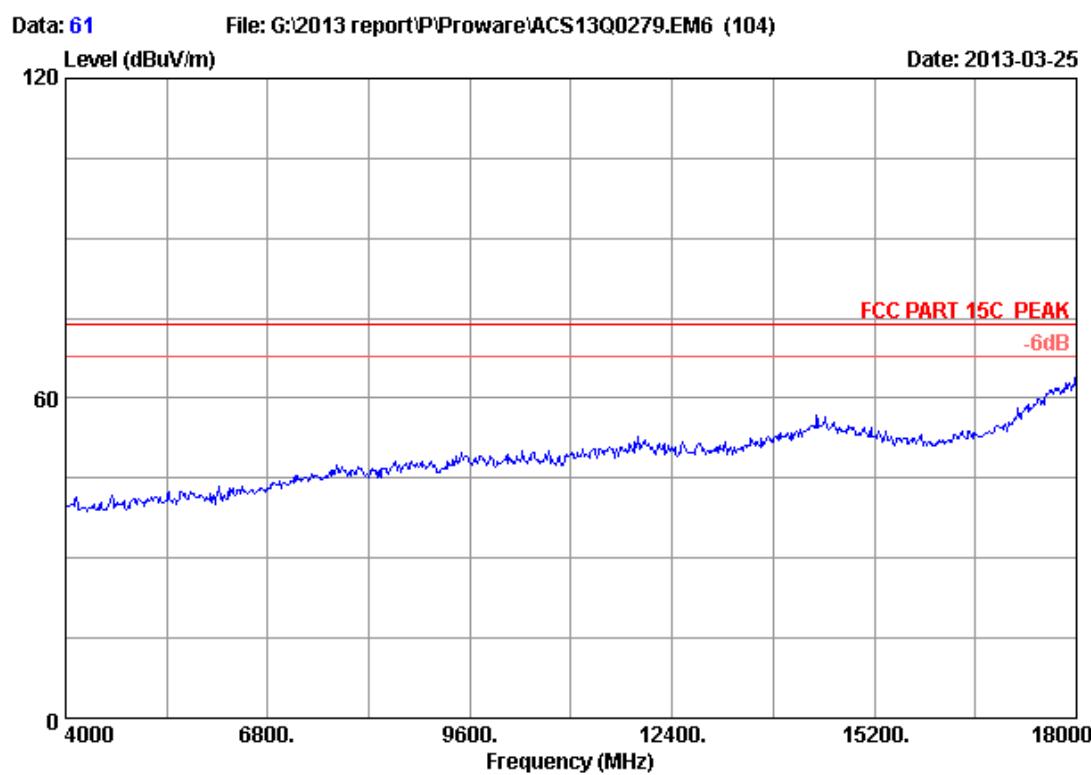


Site no. : 3m Chamber Data no. : 60  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

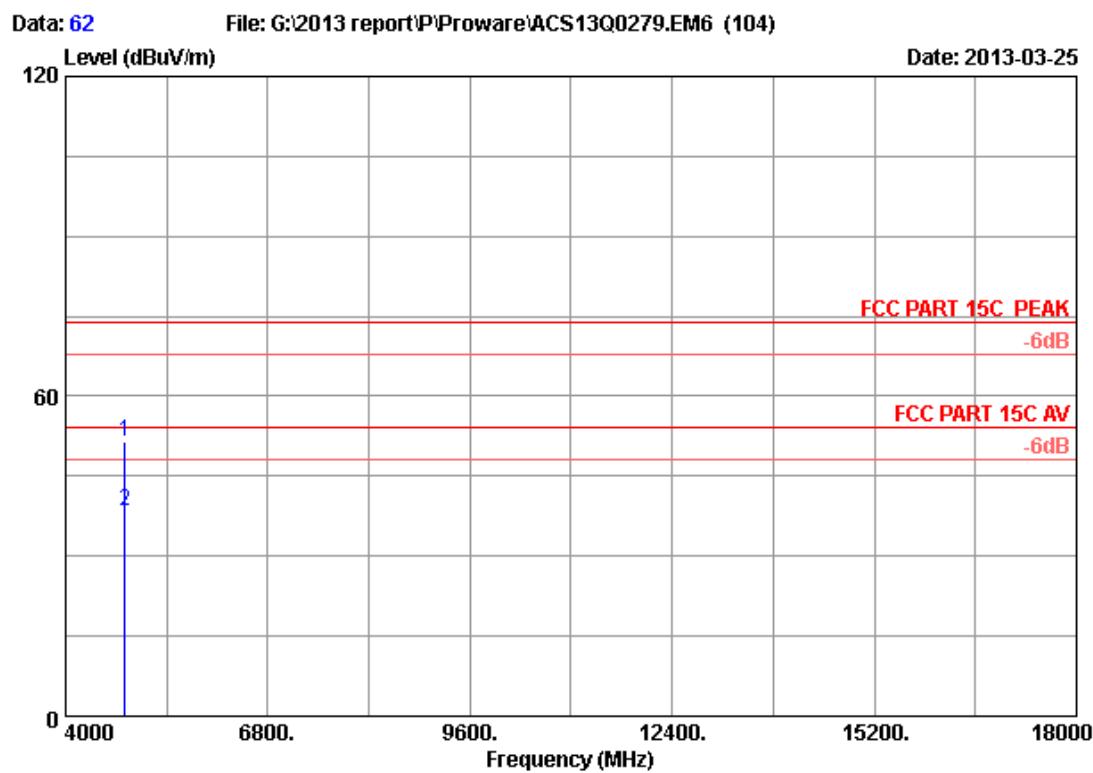
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	46.51	52.00	74.00	22.00 Peak
2	4824.000	32.51	8.69	35.71	31.01	36.50	54.00	17.50 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 61  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

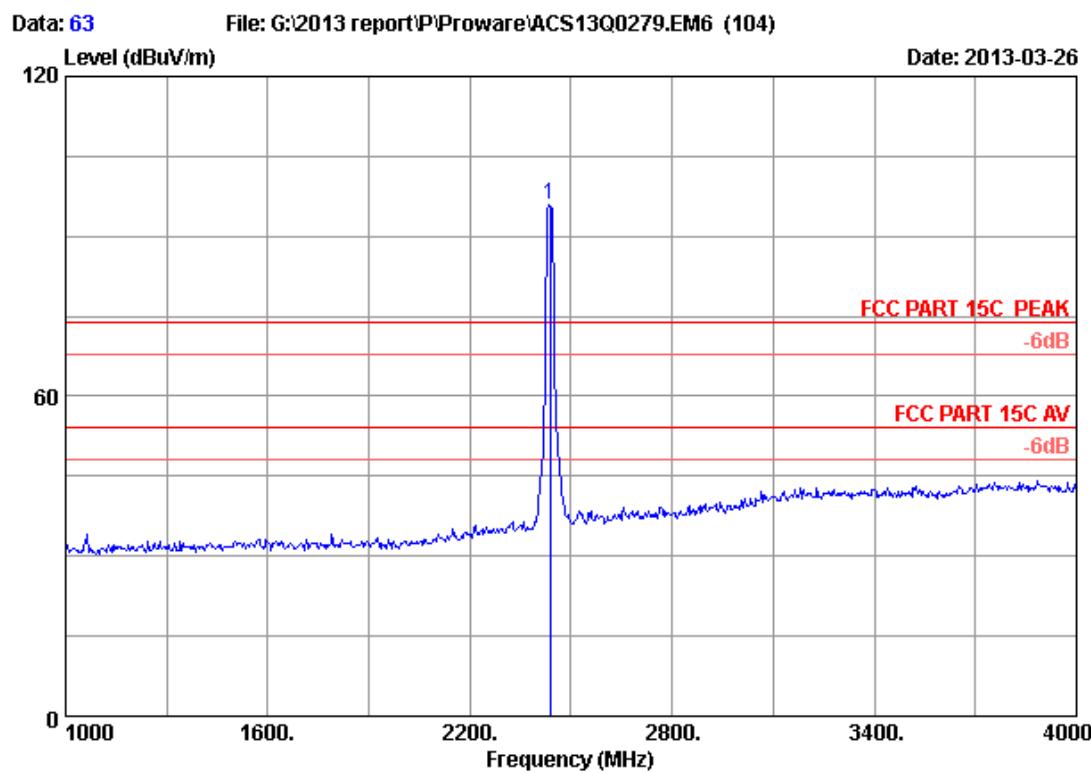


Site no. : 3m Chamber Data no. : 62  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	46.01	51.50	74.00	22.50 Peak
2	4824.000	32.51	8.69	35.71	32.79	38.28	54.00	15.72 Average

Remarks:

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

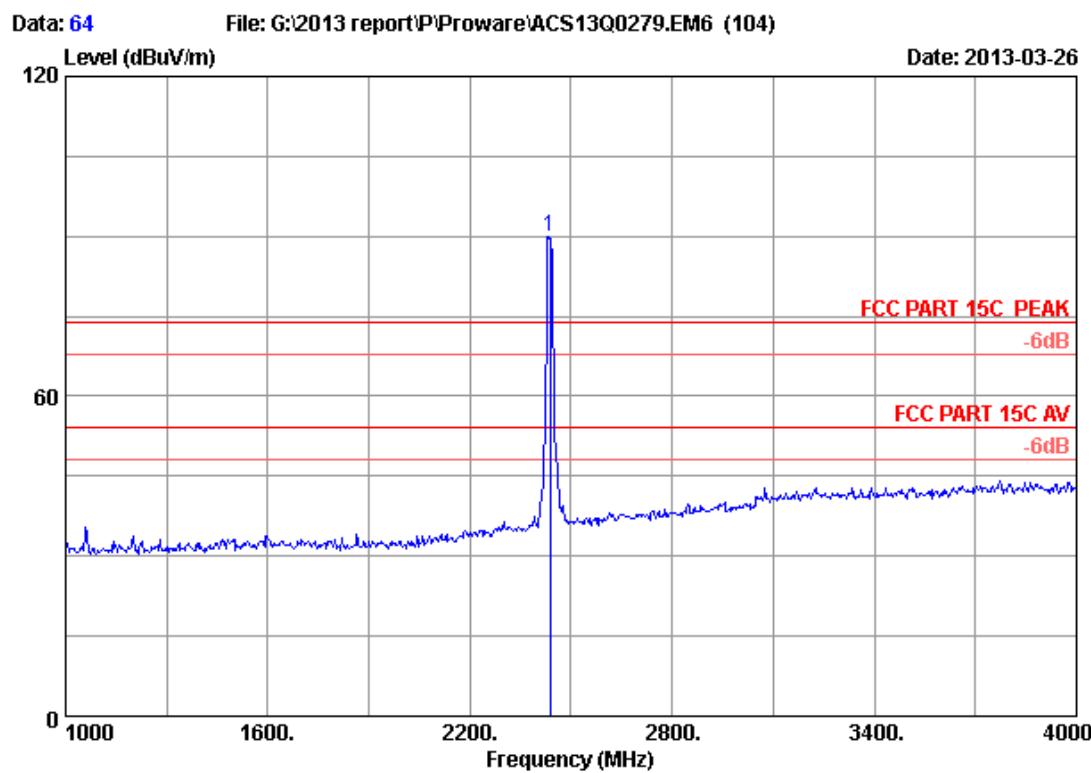


Site no. : 3m Chamber Data no. : 63  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	98.64	95.80	74.00	-21.80 Peak

Remarks:

- Emission Level = Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

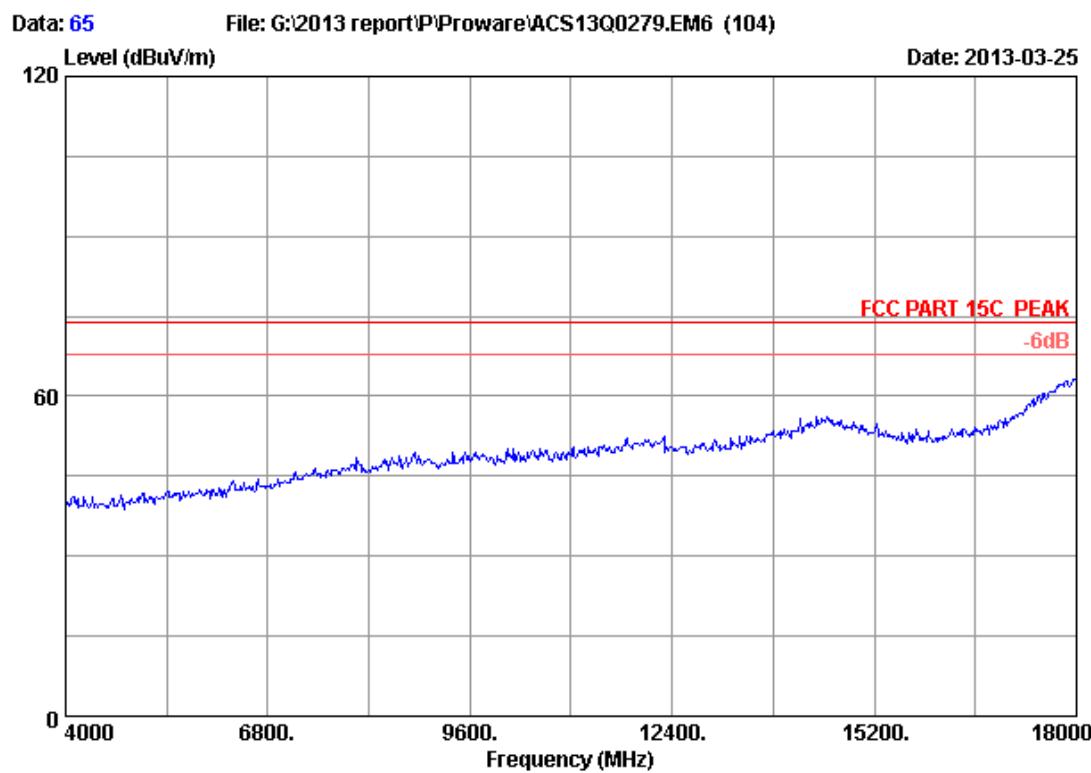


Site no. : 3m Chamber Data no. : 64  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

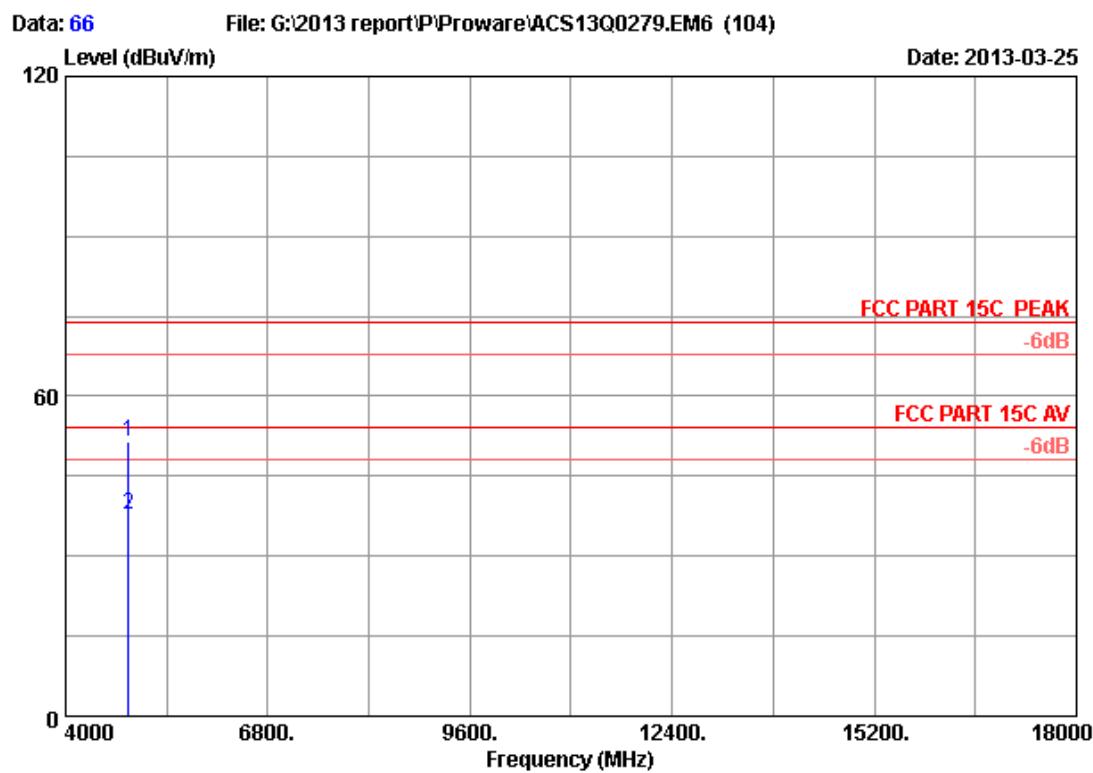
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	92.75	89.91	74.00	-15.91 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 65  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

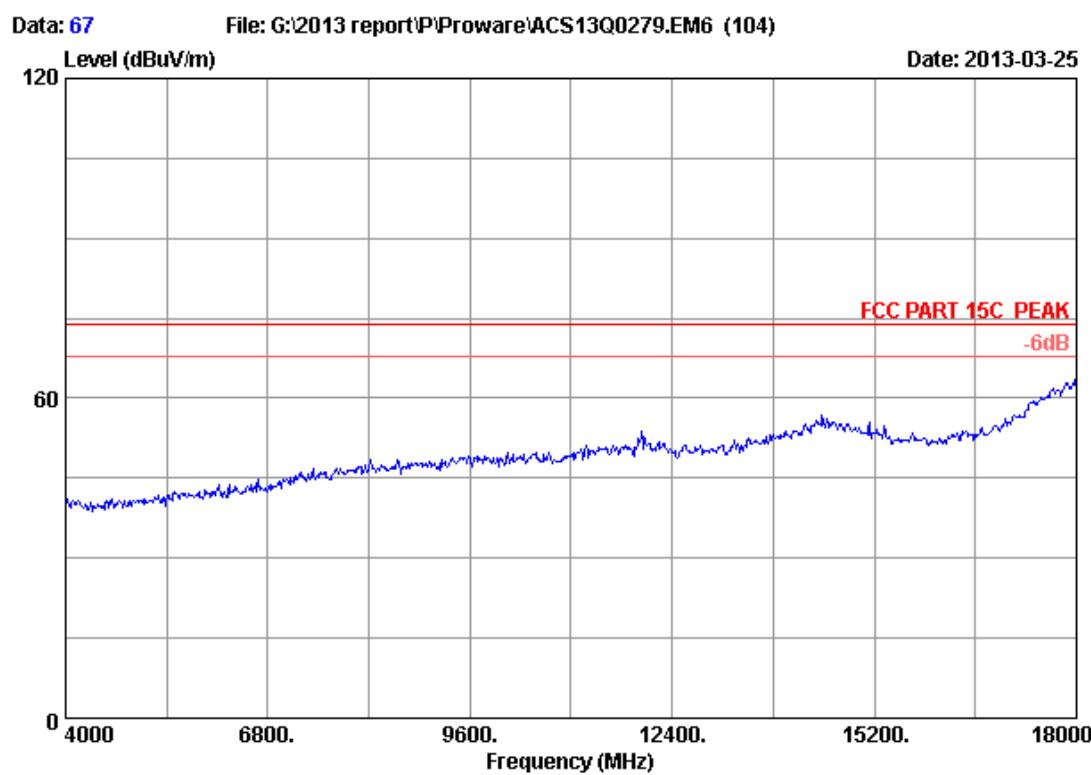


Site no. : 3m Chamber Data no. : 66  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

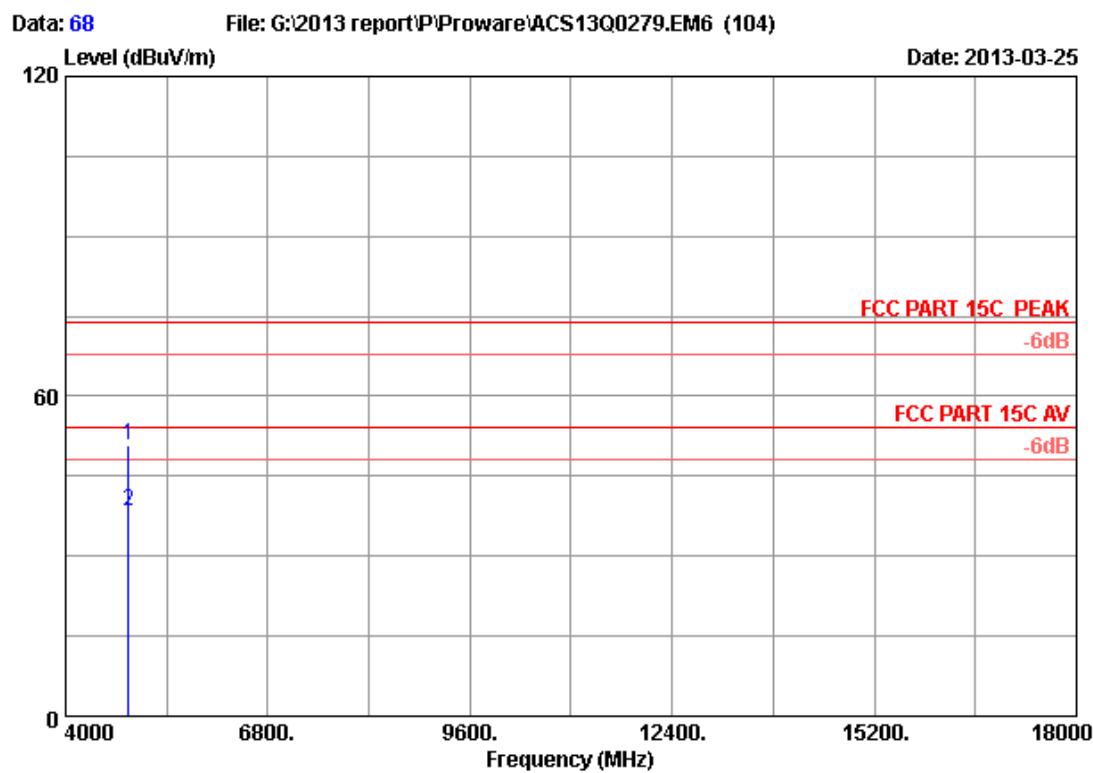
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.85	51.51	74.00	22.49 Peak
2	4874.000	32.62	8.73	35.69	32.01	37.67	54.00	16.33 Average

Remarks:

- Emission Level = Antenna Factor + Cable Loss - Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 67  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

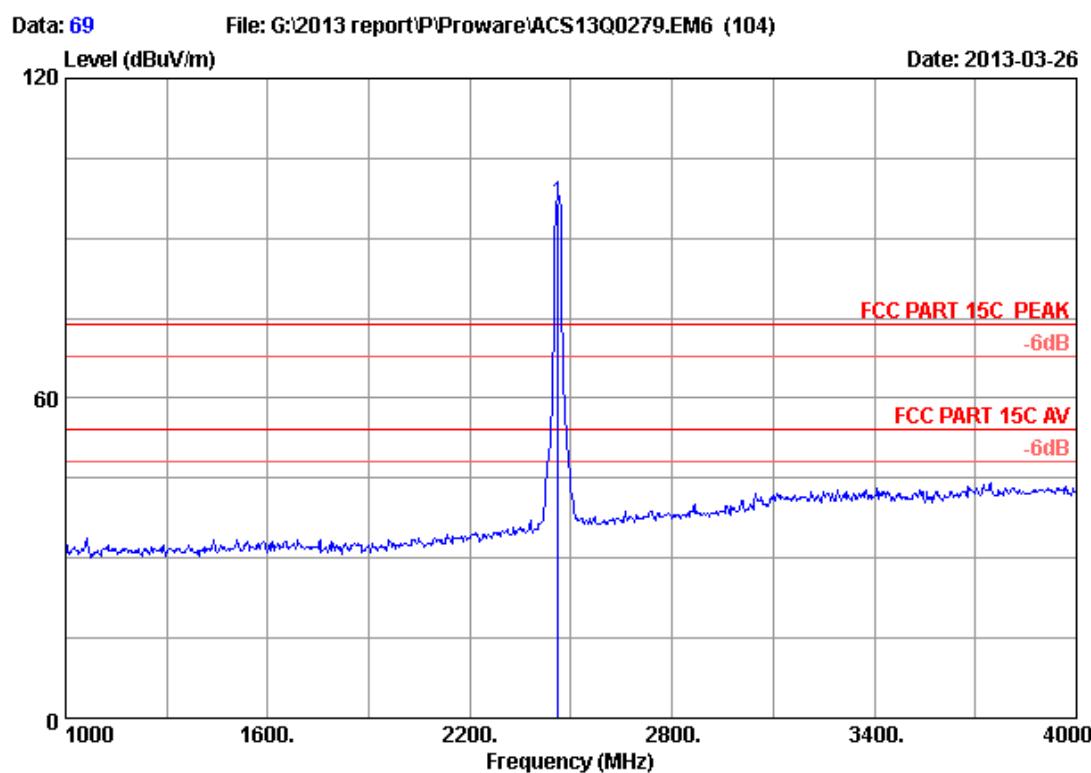


Site no. : 3m Chamber                          Data no. : 68  
 Dis. / Ant. : 3m 2012 3115 (4580)        Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%                        Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.14	50.80	74.00	23.20 Peak
2	4874.000	32.62	8.73	35.69	32.92	38.58	54.00	15.42 Average

Remarks:

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

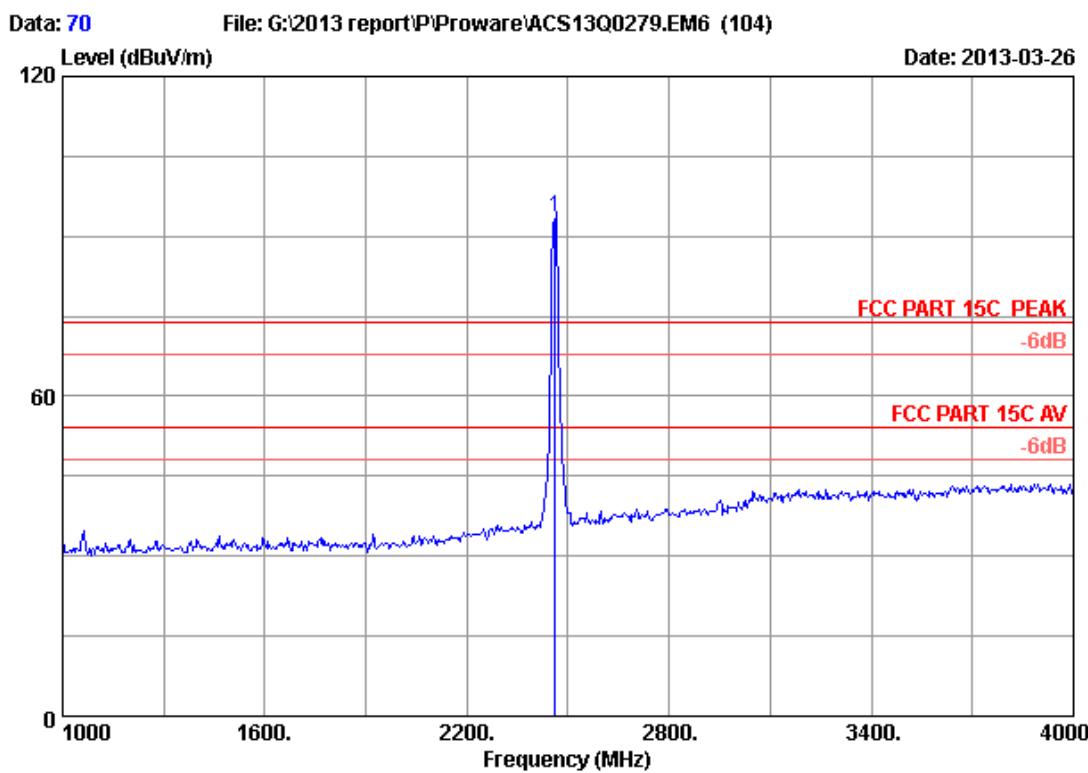


Site no. : 3m Chamber Data no. : 69  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	99.24	96.60	74.00 -22.60 Peak

Remarks:

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

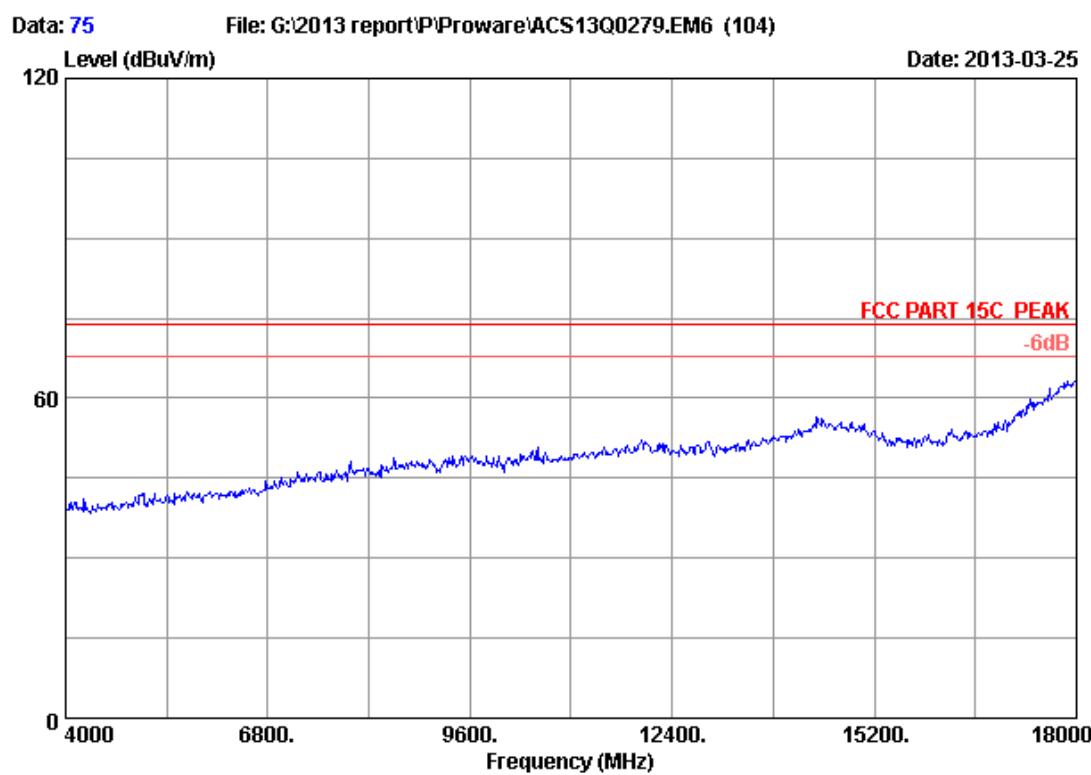


Site no. : 3m Chamber Data no. : 70  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

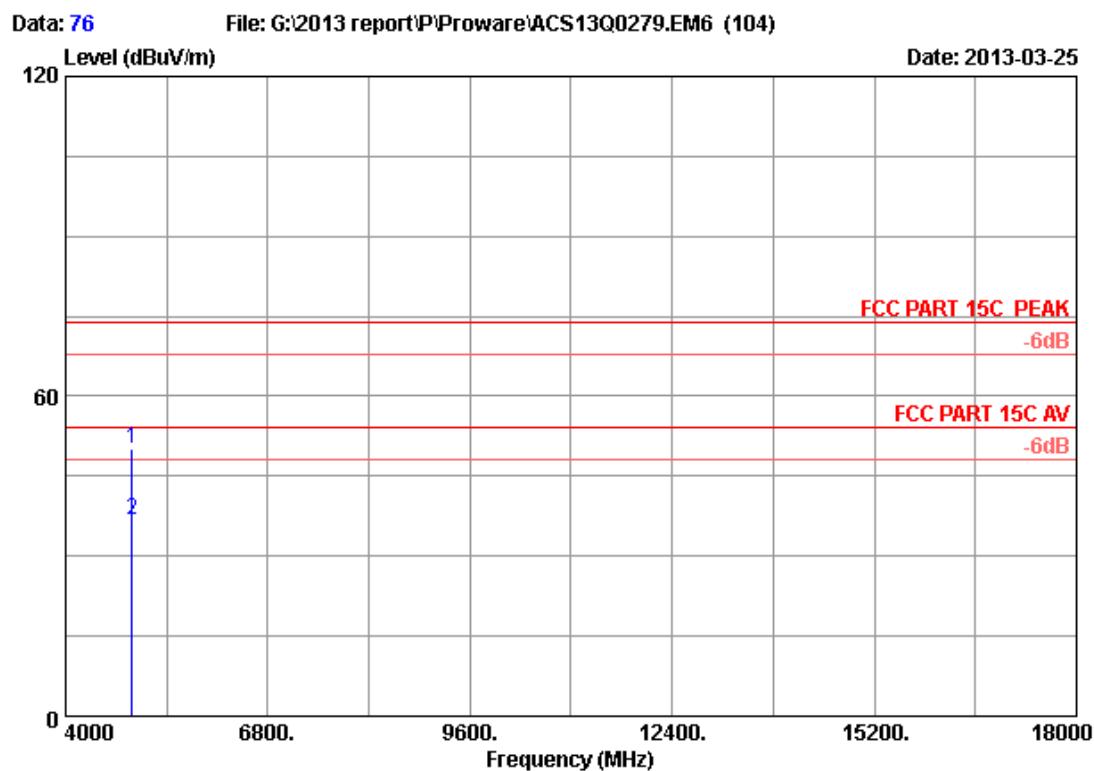
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	96.23	93.59	74.00 -19.59 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 75  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

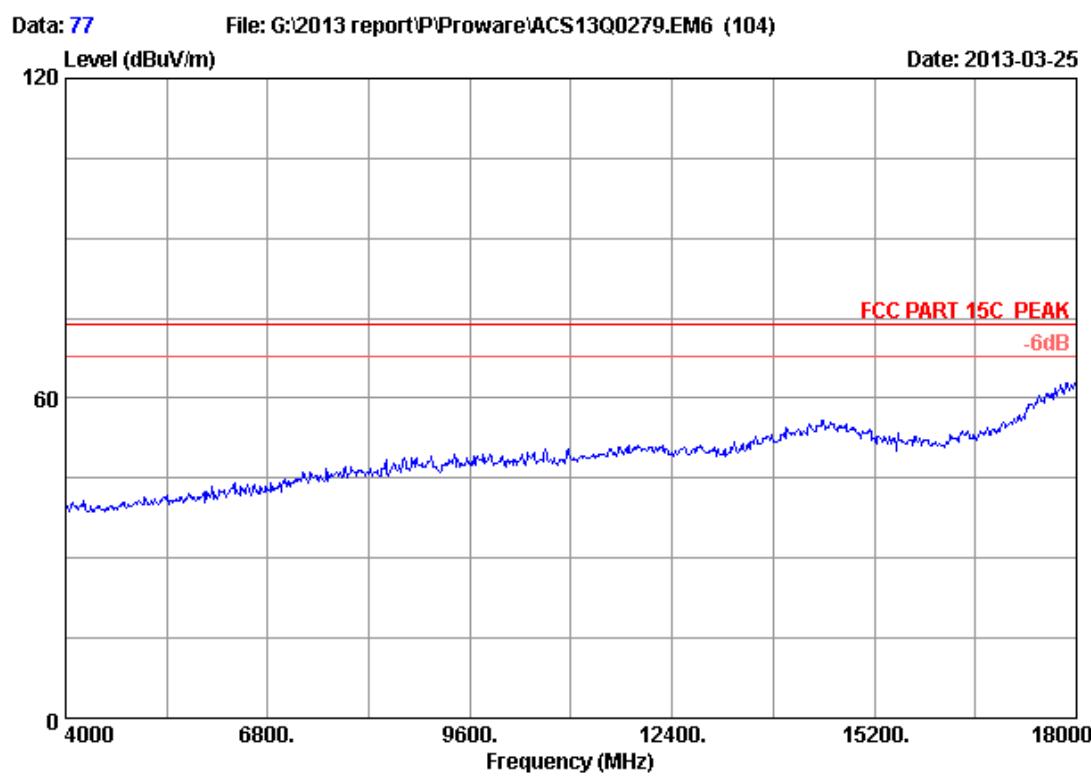


Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

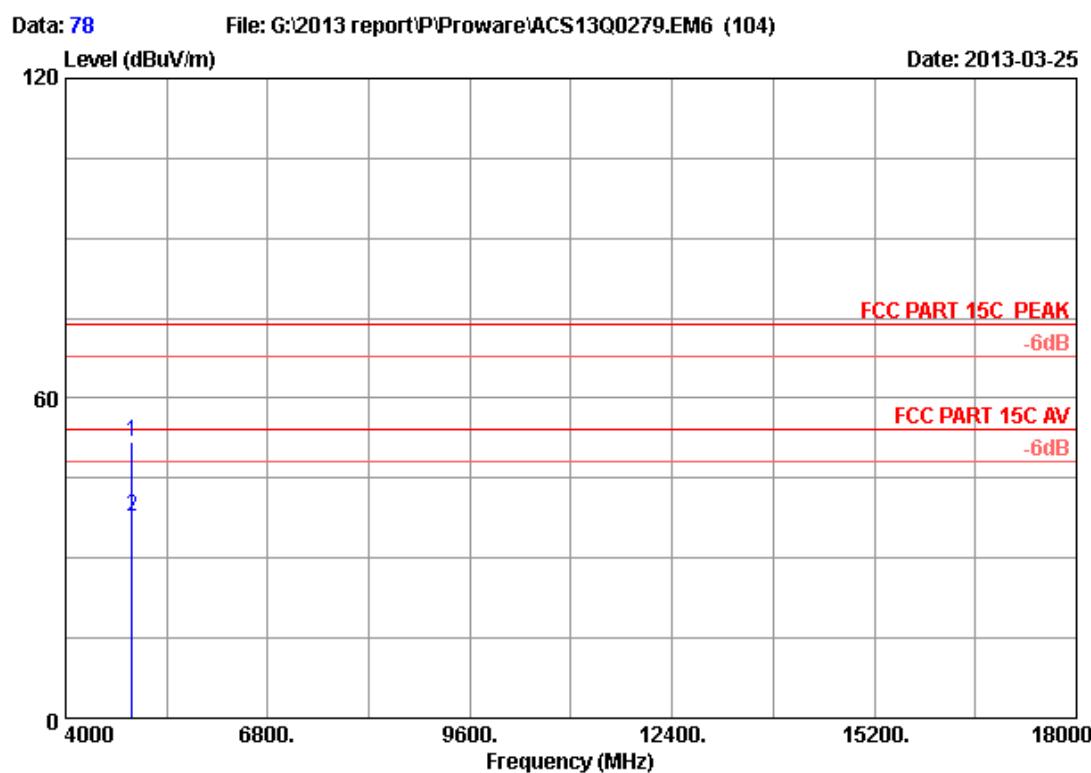
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	44.22	50.05	74.00	23.95 Peak
2	4924.000	32.73	8.78	35.68	30.81	36.64	54.00	17.36 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 77  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

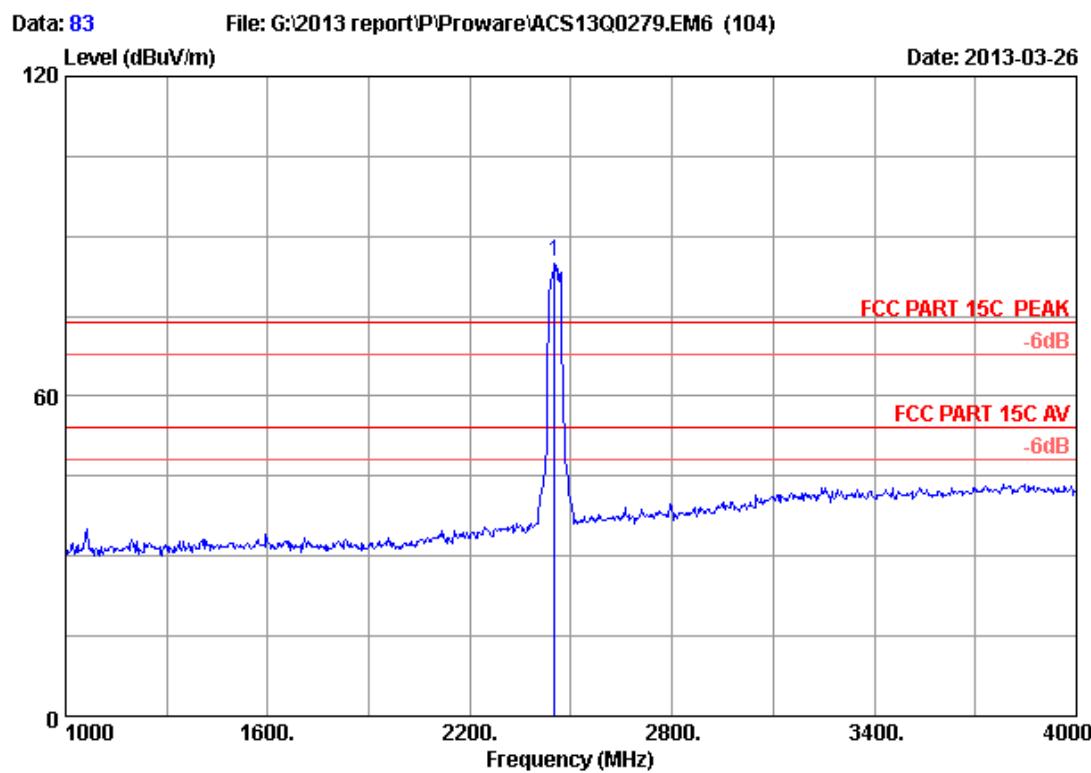


Site no. : 3m Chamber                          Data no. : 78  
 Dis. / Ant. : 3m 2012 3115 (4580)        Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%                          Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.92	51.75	74.00	22.25 Peak
2	4924.000	32.73	8.78	35.68	31.82	37.65	54.00	16.35 Average

## Remarks:

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

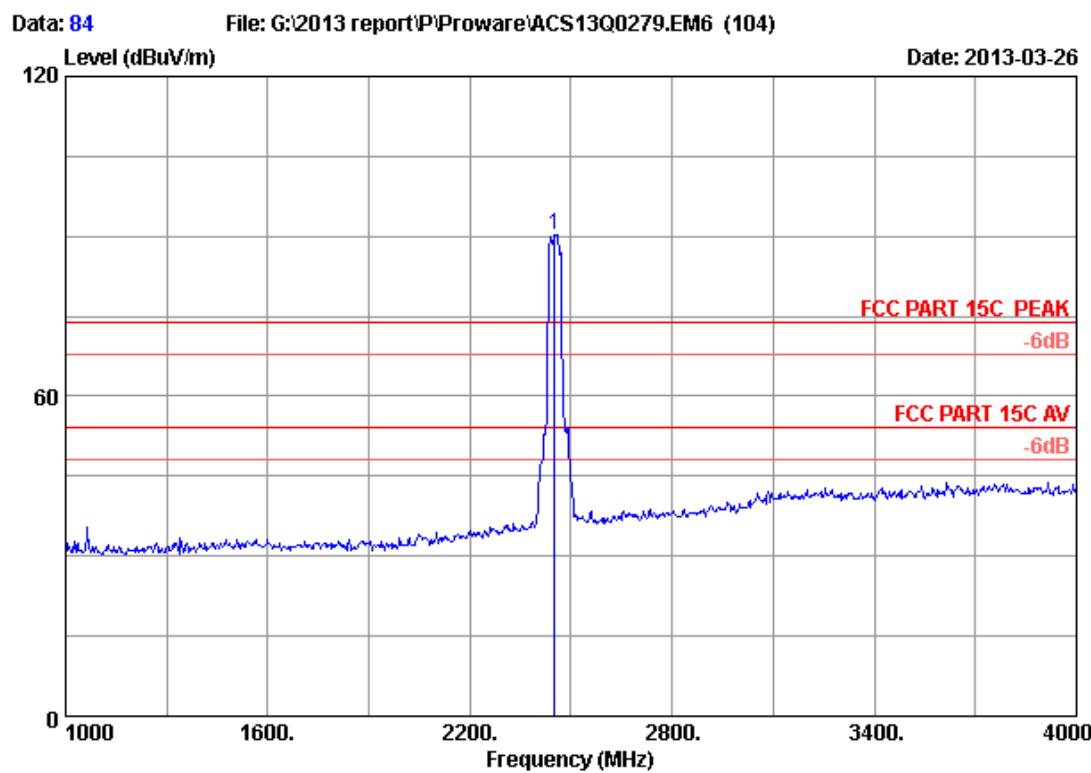


Site no. : 3m Chamber Data no. : 83  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2452.000	27.09	6.11	35.92	88.10	85.38	74.00 -11.38 Peak

## Remarks:

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

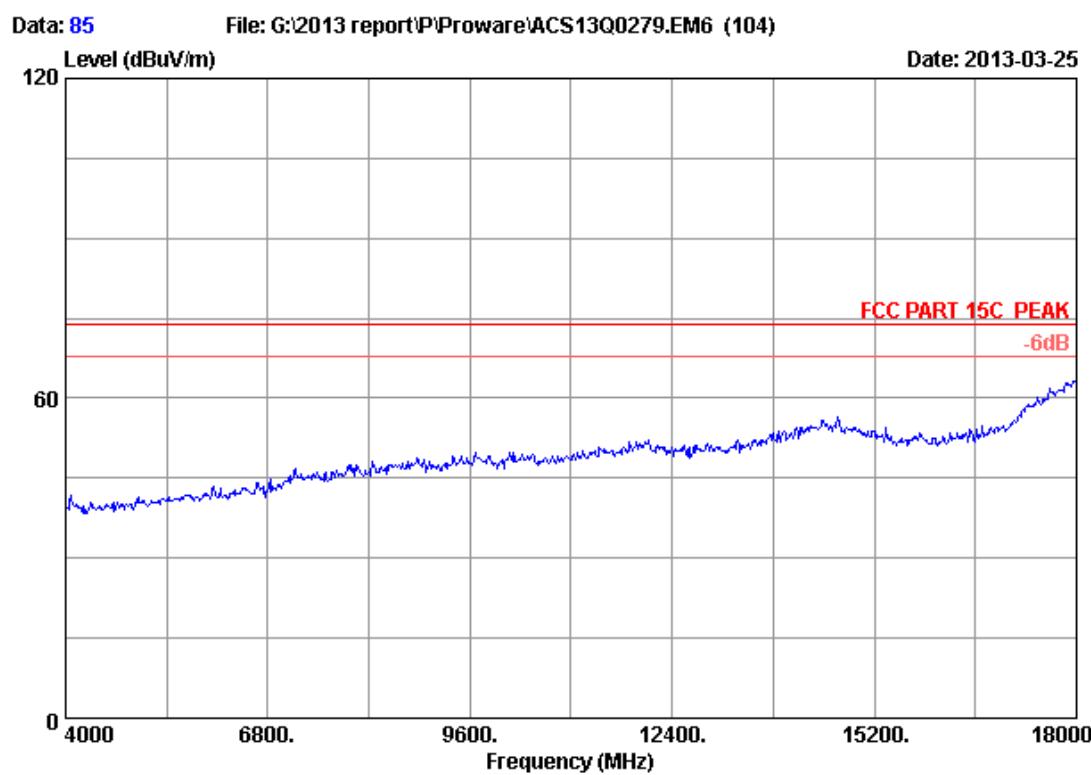


Site no. : 3m Chamber Data no. : 84  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2452.000	27.09	6.11	35.92	93.04	90.32	74.00	-16.32 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

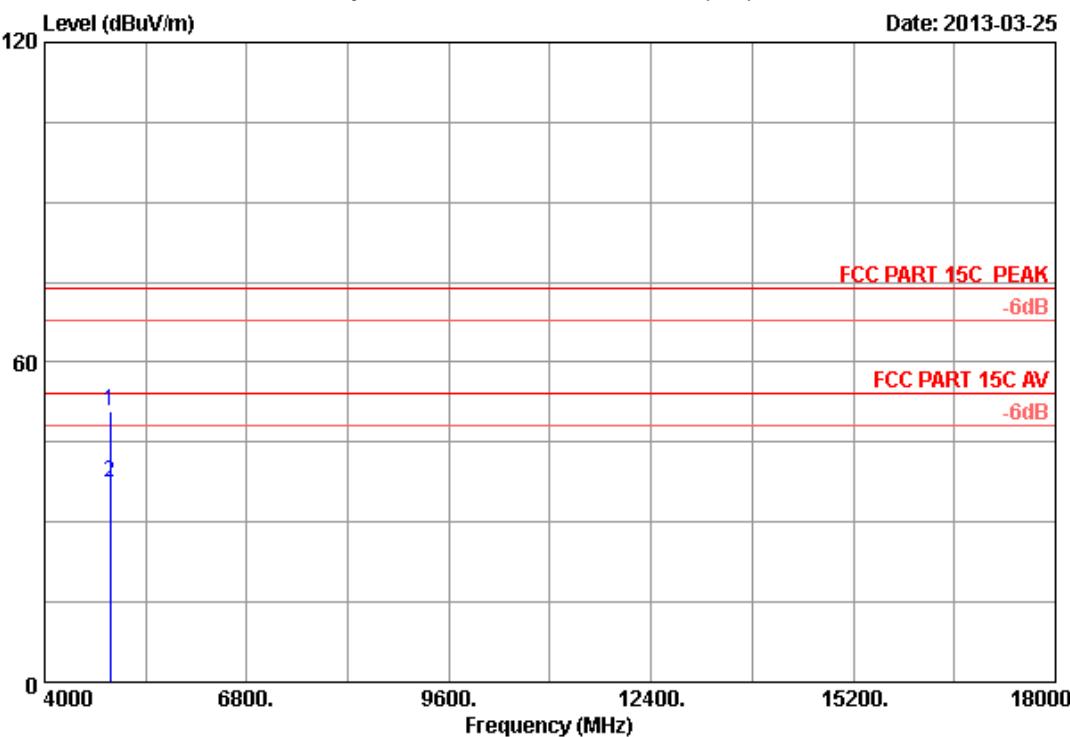


Site no. : 3m Chamber Data no. : 85  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Data: 86

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25

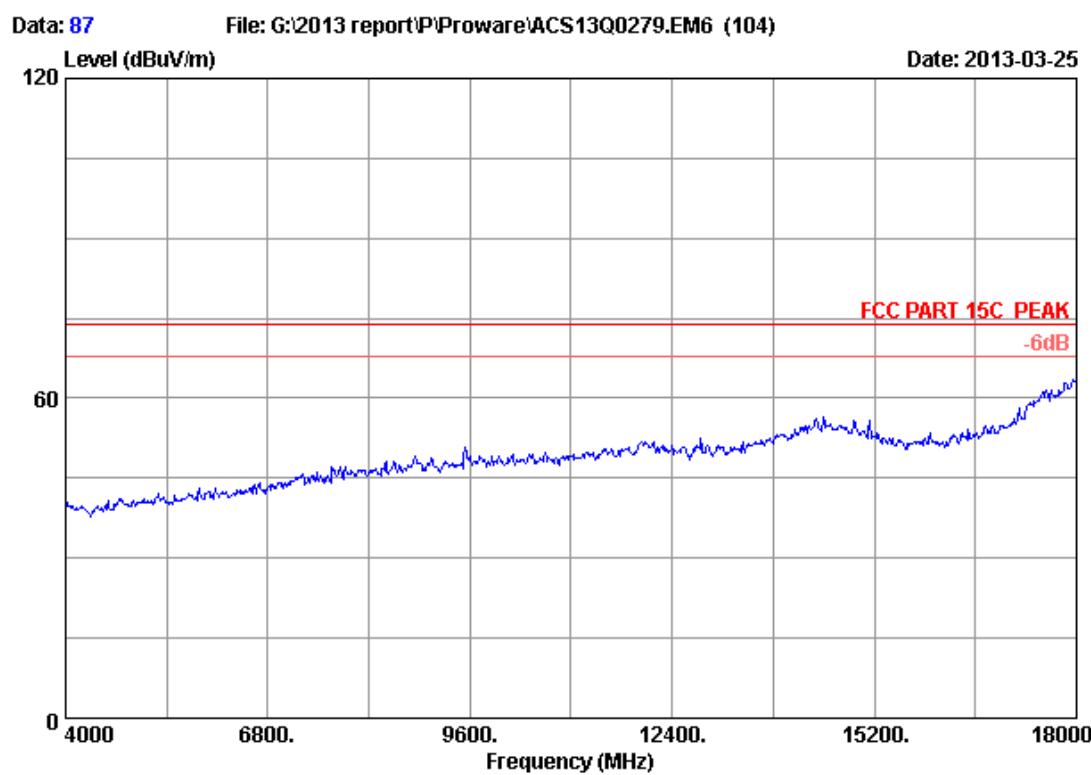


Site no. : 3m Chamber Data no. : 86  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

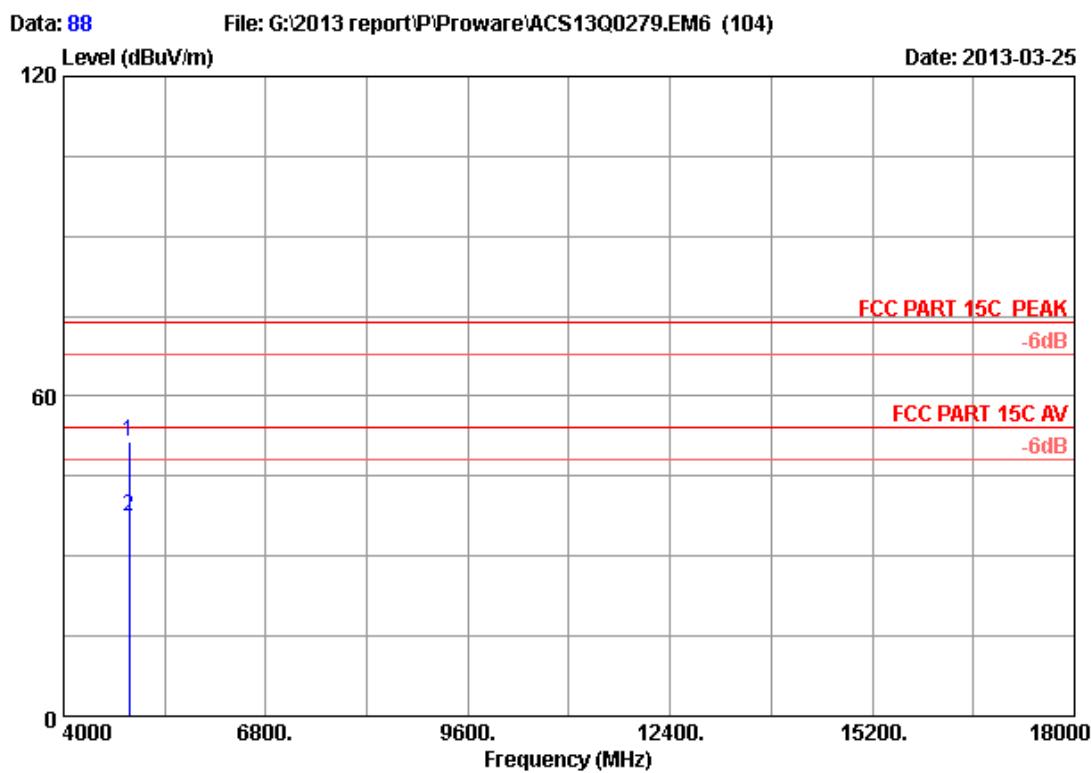
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	4904.000	32.69	8.76	35.68	45.18	50.95	74.00	23.05 Peak
2	4904.000	32.69	8.76	35.68	31.81	37.58	54.00	16.42 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 87  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

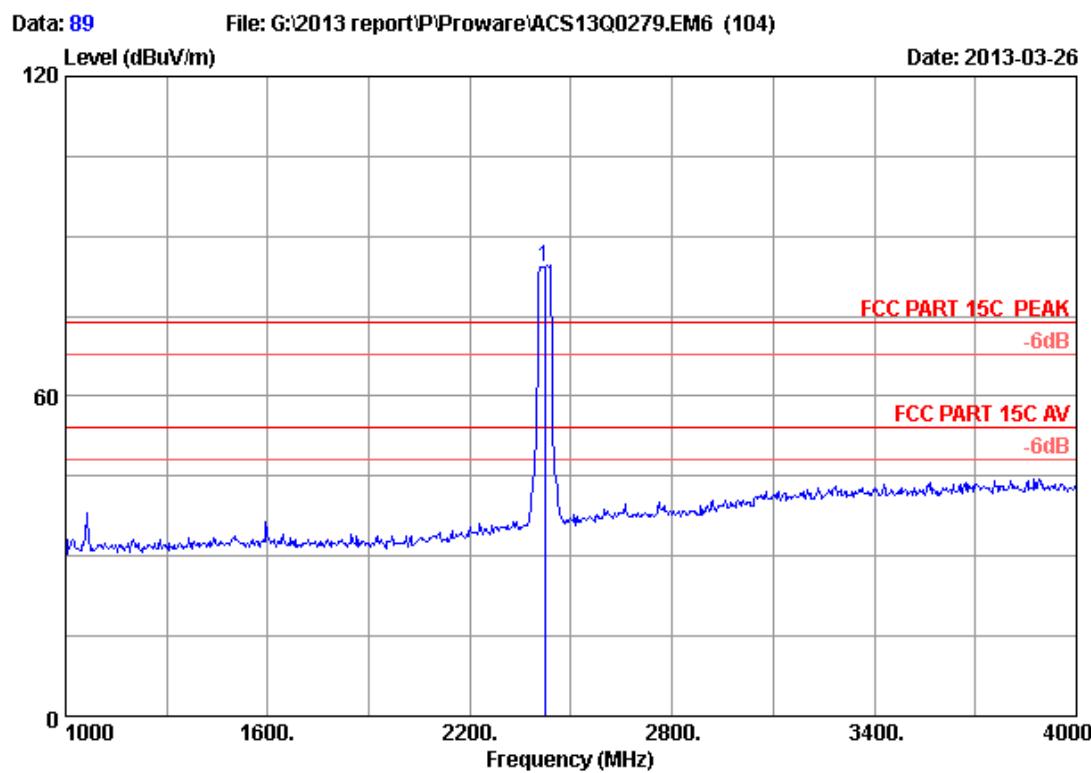


Site no. : 3m Chamber      Data no. : 88  
 Dis. / Ant. : 3m 2012 3115 (4580)      Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%      Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4904.000	32.69	8.76	35.68	45.65	51.42	74.00	22.58 Peak
2	4904.000	32.69	8.76	35.68	31.81	37.58	54.00	16.42 Average

## Remarks:

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

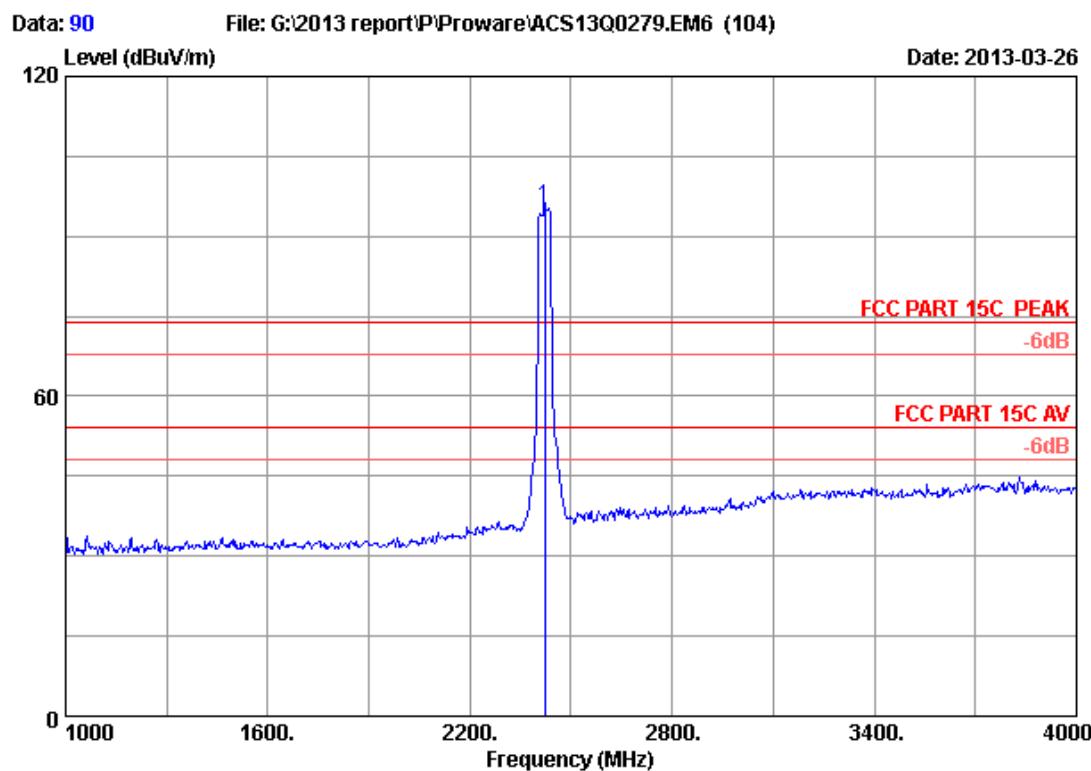


Site no. : 3m Chamber                          Data no. : 89  
 Dis. / Ant. : 3m 2012 3115 (4580)        Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%                        Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2422.000	26.90	6.05	35.92	87.37	84.40	74.00	-10.40 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

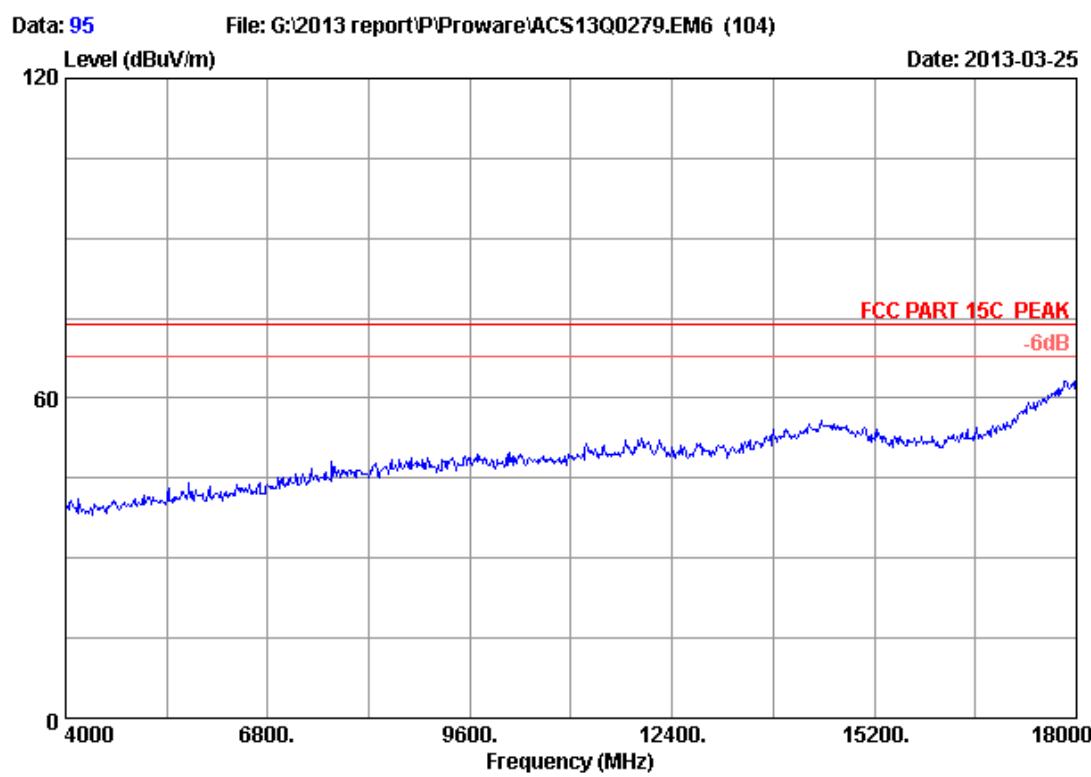


Site no. : 3m Chamber Data no. : 90  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

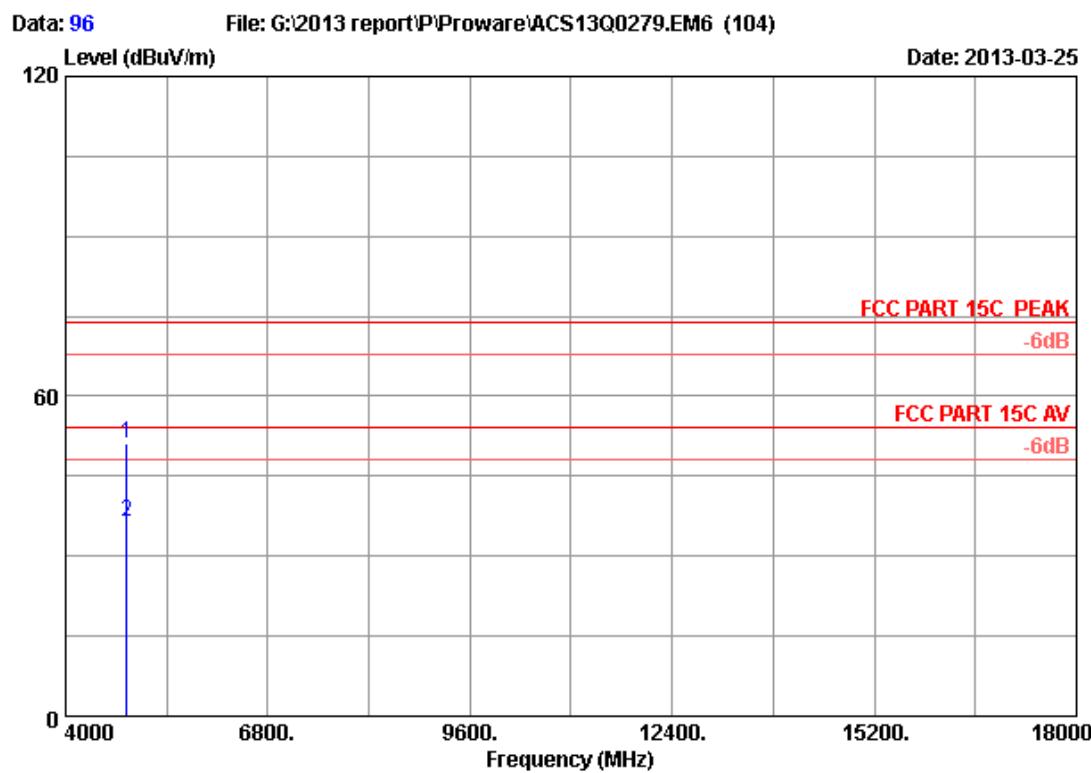
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2422.000	26.90	6.05	35.92	98.59	95.62	74.00	-21.62 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 95  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

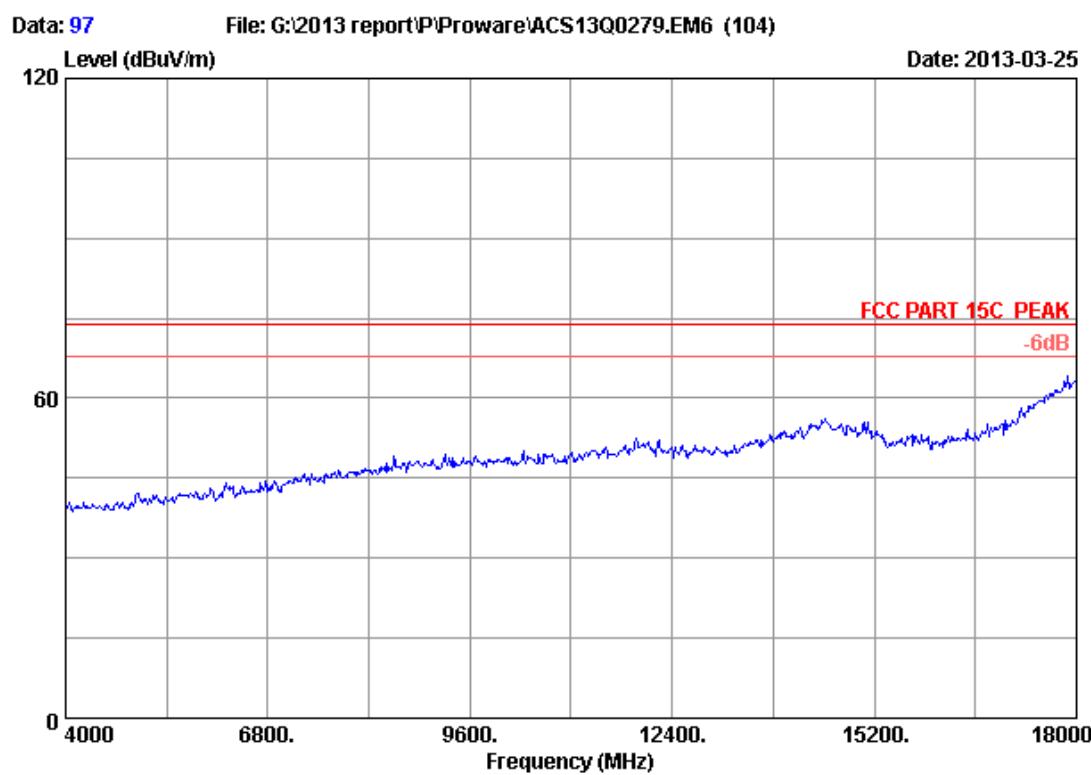


Site no. : 3m Chamber Data no. : 96  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

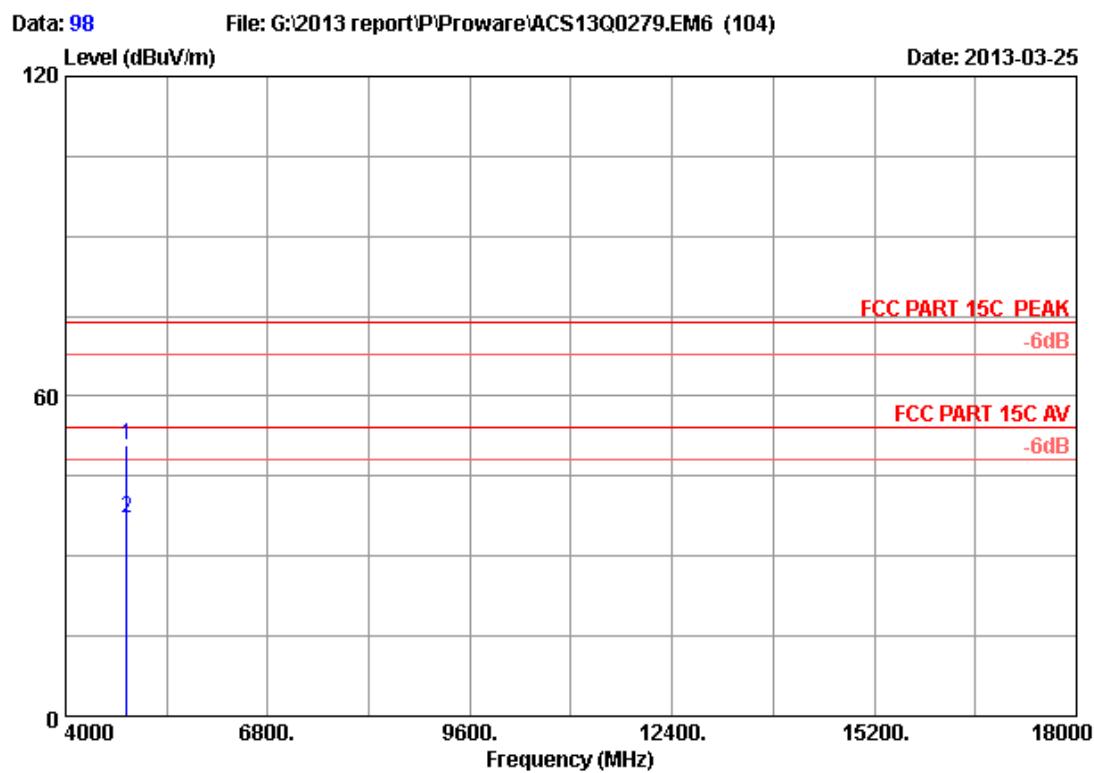
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4844.000	32.56	8.70	35.70	45.51	51.07	74.00	22.93 Peak
2	4844.000	32.56	8.70	35.70	31.04	36.60	54.00	17.40 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 97  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

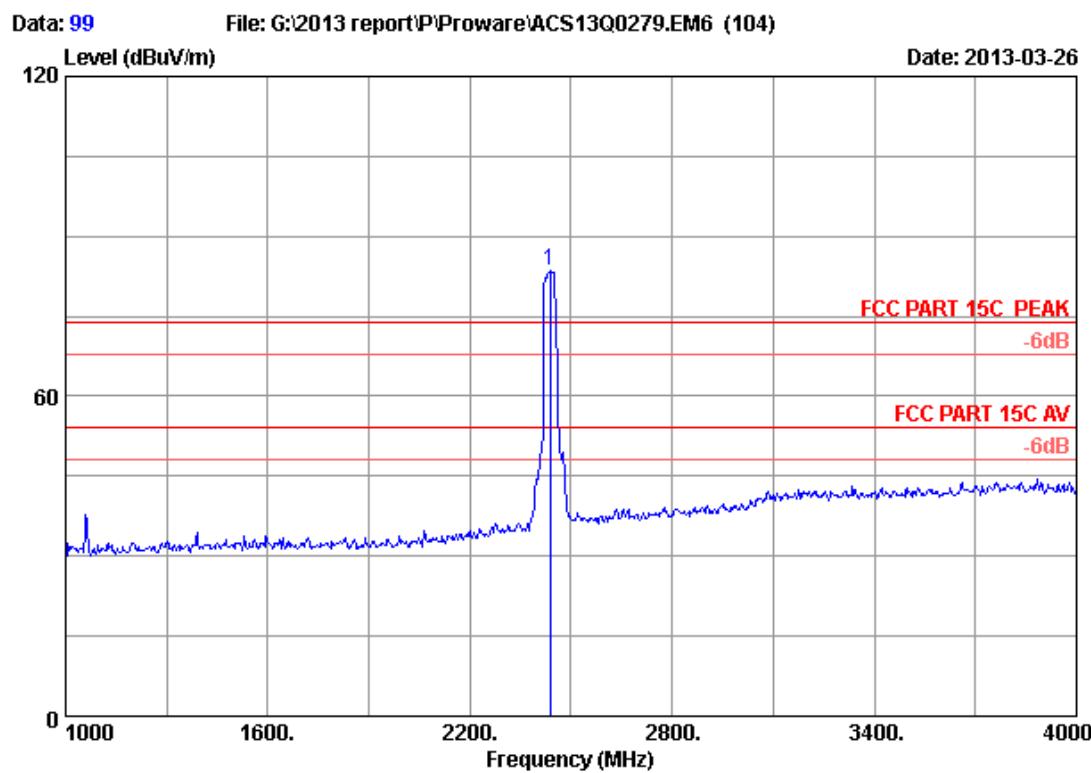


Site no. : 3m Chamber Data no. : 98  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4844.000	32.56	8.70	35.70	45.12	50.68	74.00	23.32 Peak
2	4844.000	32.56	8.70	35.70	31.55	37.11	54.00	16.89 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

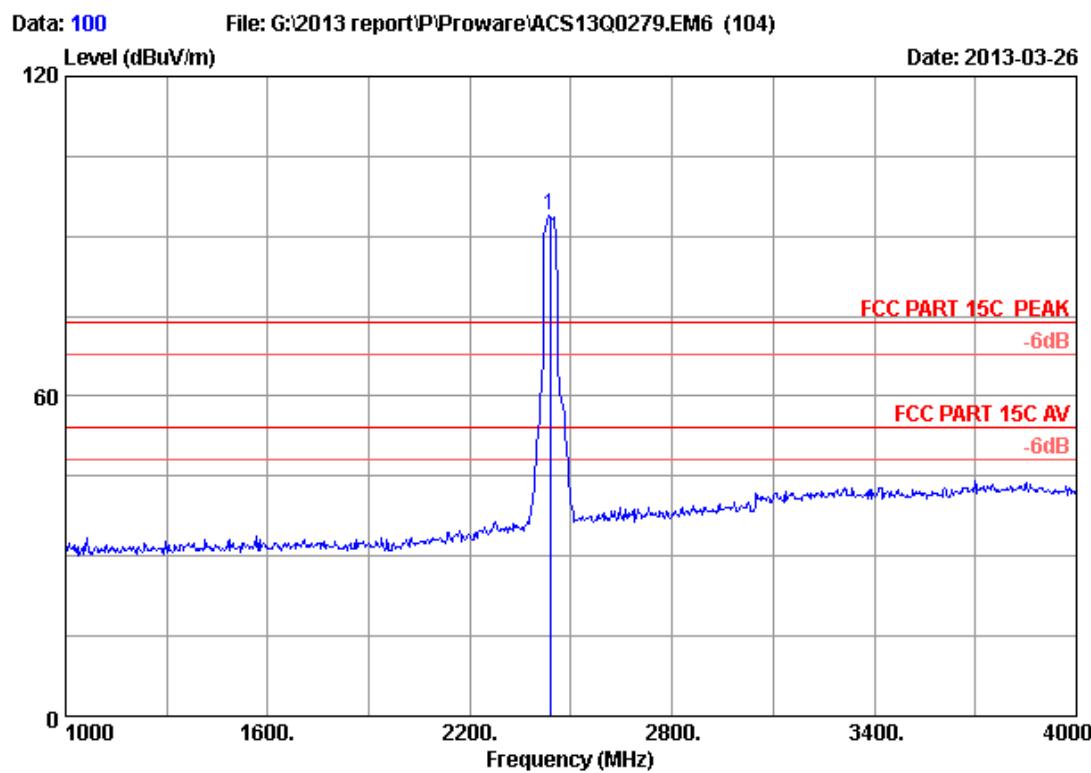


Site no. : 3m Chamber Data no. : 99  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	86.29	83.45	74.00	-9.45 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

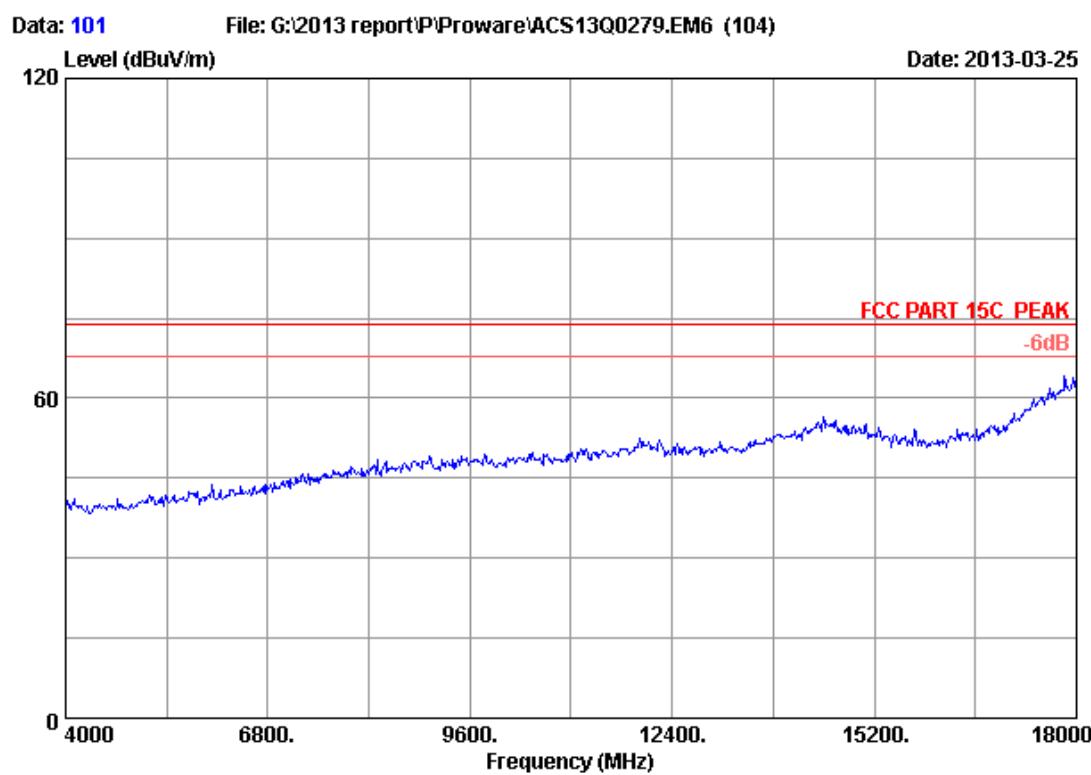


Site no. : 3m Chamber Data no. : 100  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

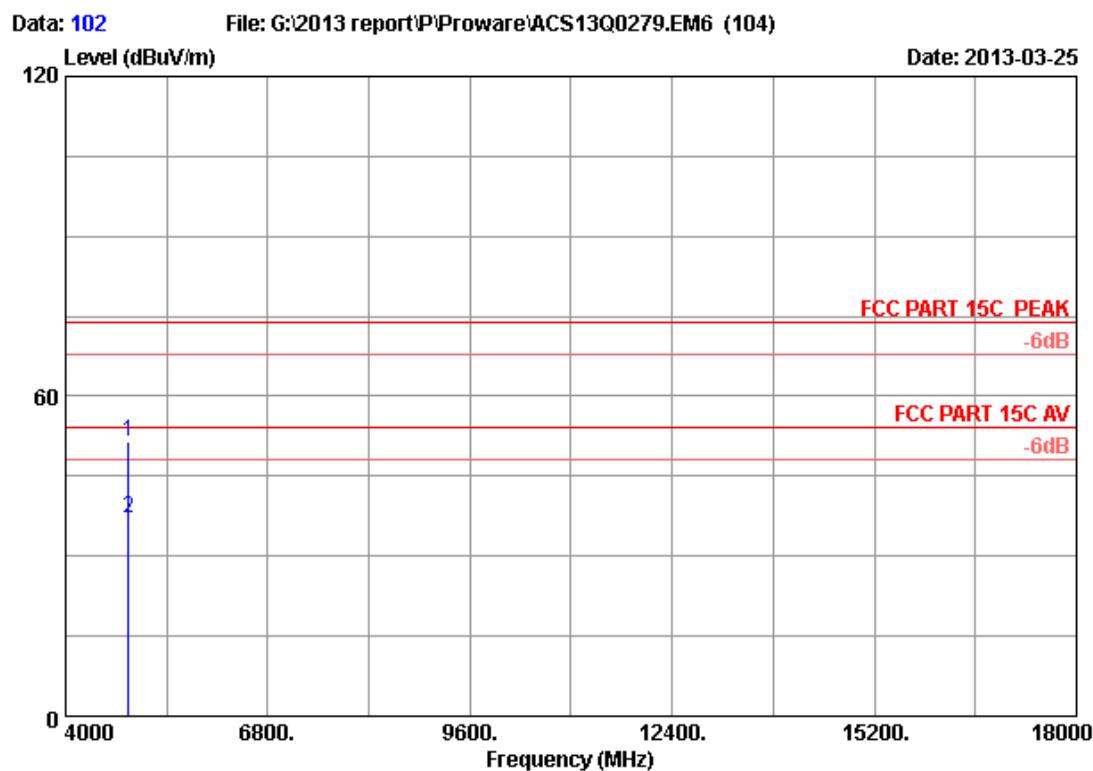
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	96.72	93.88	74.00 -19.88 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 101  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

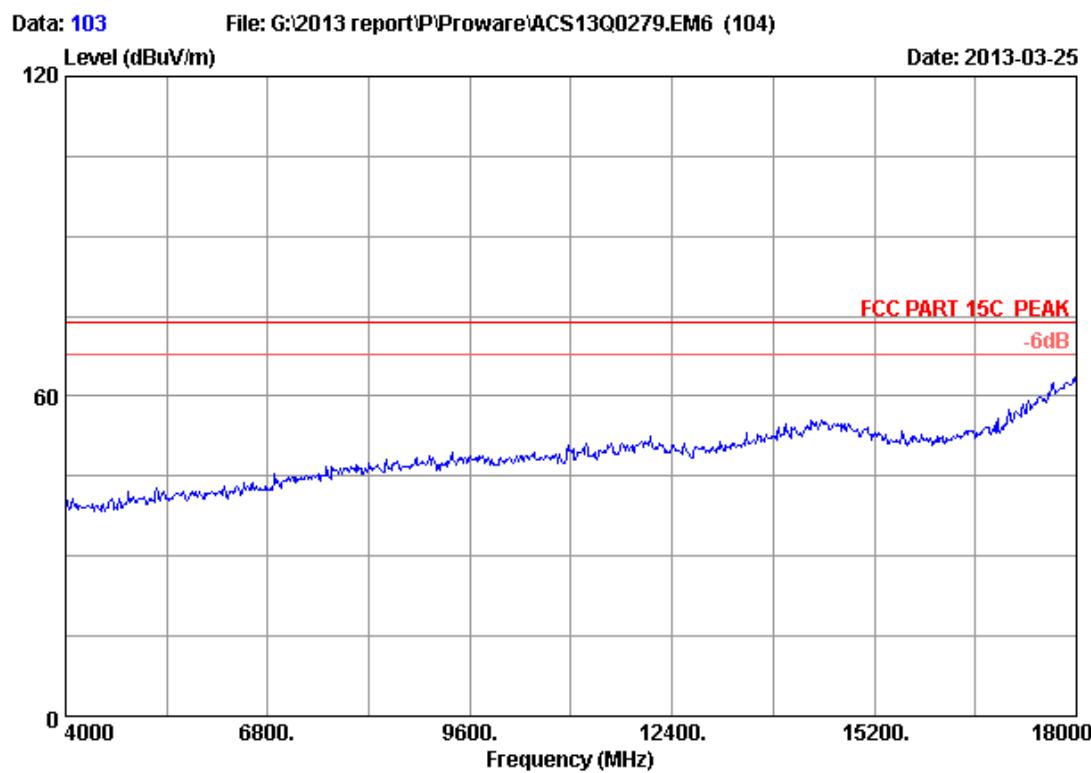


Site no. : 3m Chamber Data no. : 102  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

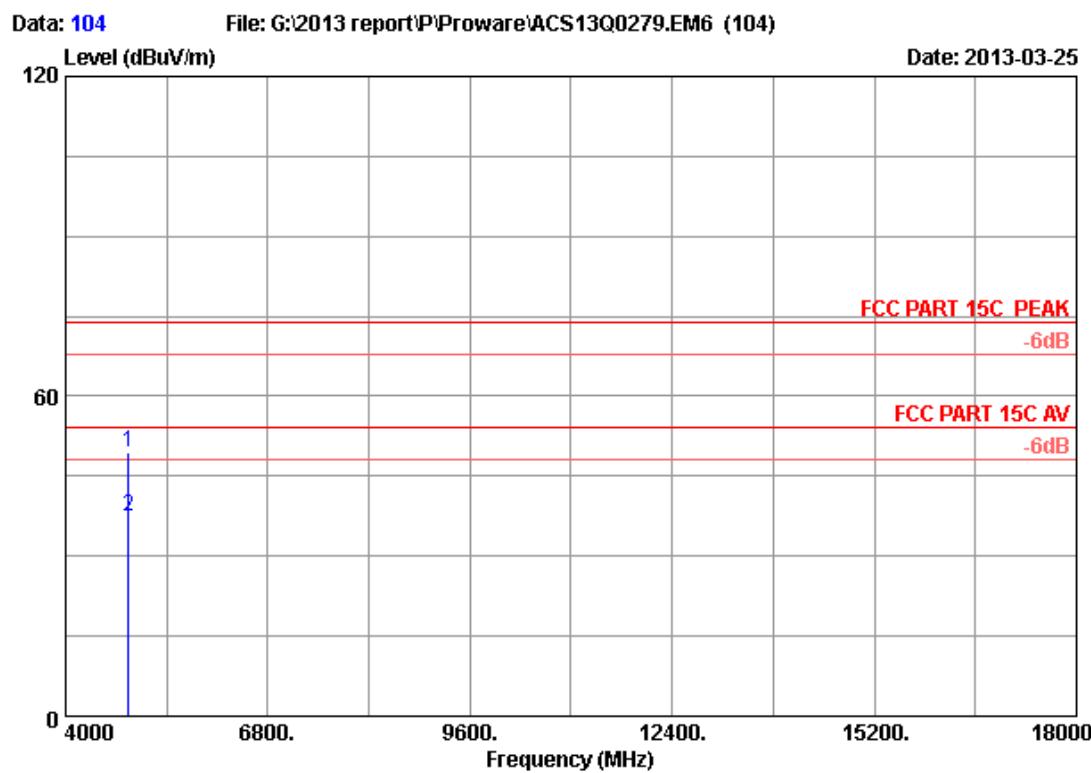
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	4874.000	32.62	8.73	35.69	45.92	51.58	22.42
2	4874.000	32.62	8.73	35.69	31.45	37.11	16.89

Remarks:

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



Site no. : 3m Chamber Data no. : 103  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U



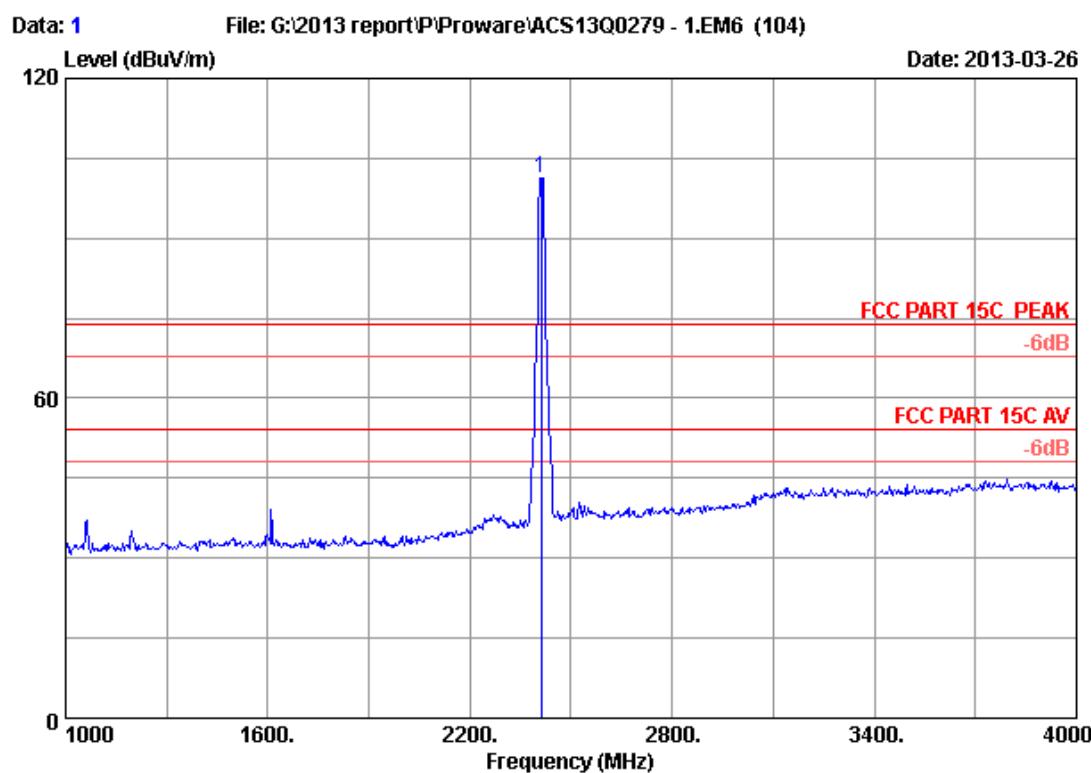
Site no. : 3m Chamber Data no. : 104  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	43.85	49.51	74.00	24.49 Peak
2	4874.000	32.62	8.73	35.69	31.82	37.48	54.00	16.52 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

ANT: 1120-1300REV



Site no. : 3m Chamber Data no. : 1  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

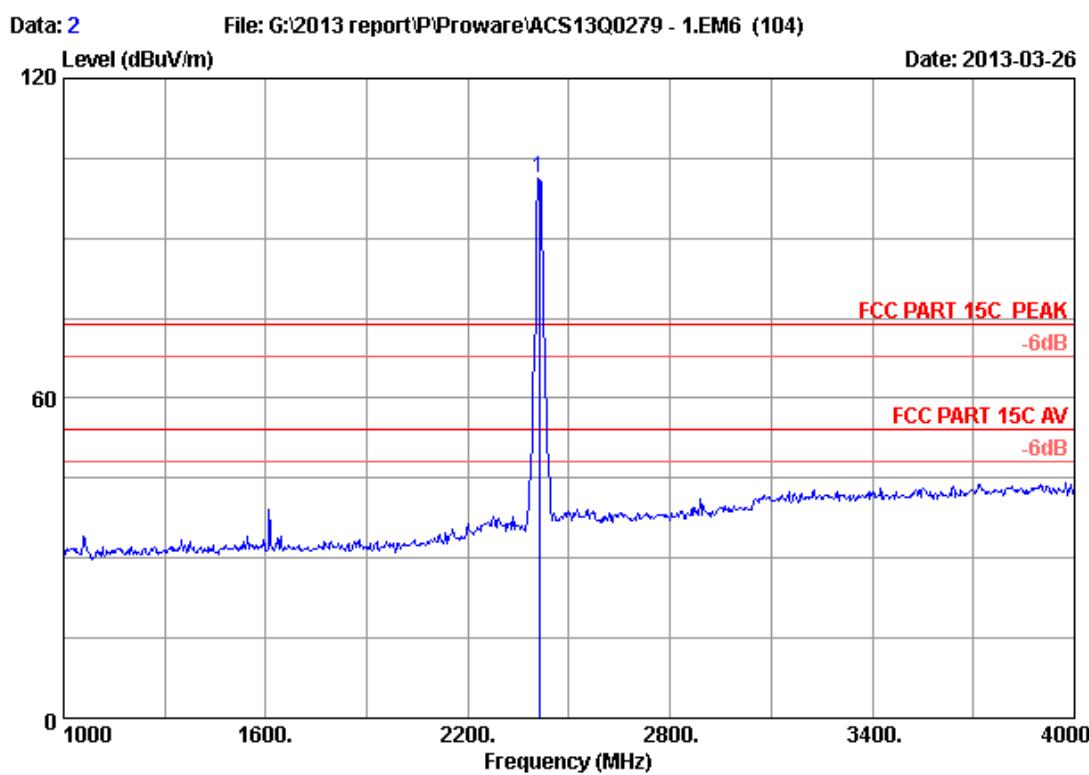
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	104.29	101.25	74.00	-27.25 Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

FCC ID:WWMMN421V2

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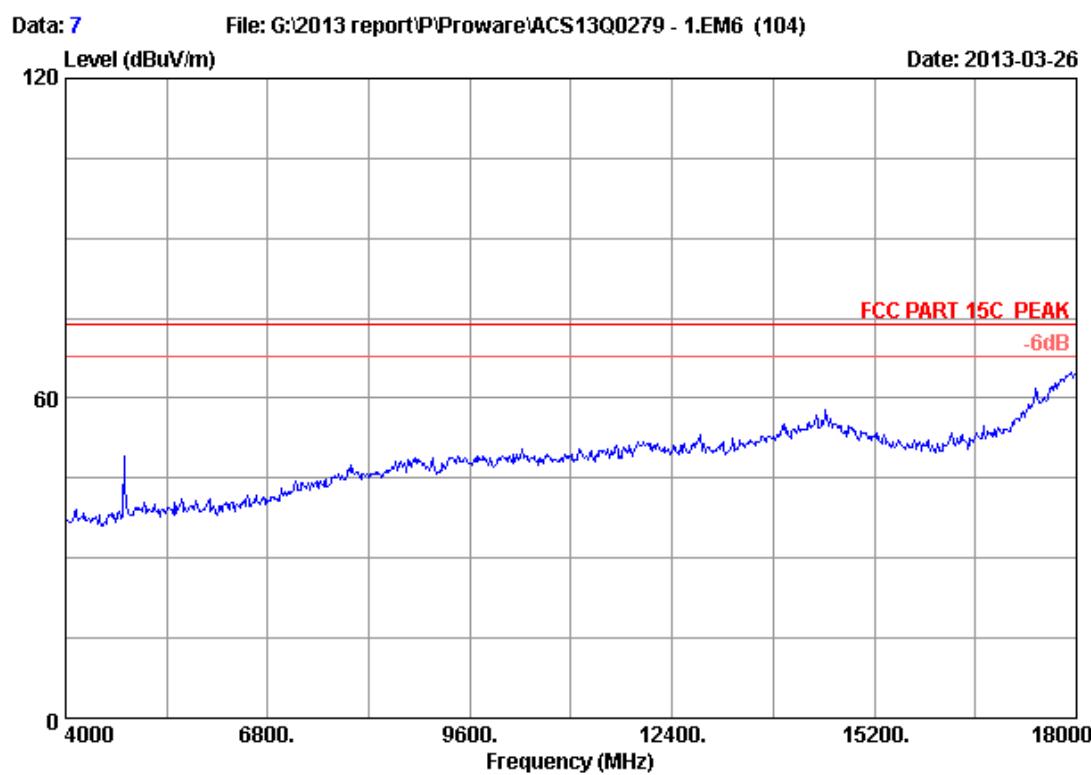


Site no. : 3m Chamber Data no. : 2  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

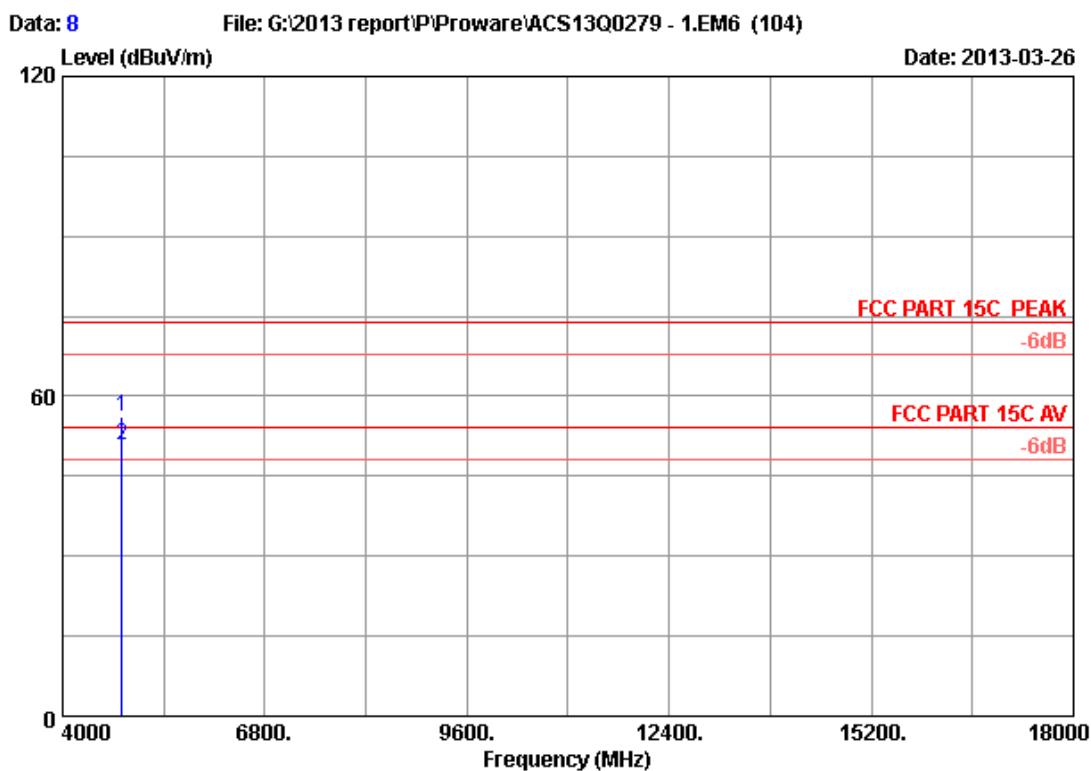
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	104.25	101.21	74.00 -27.21 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 7  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

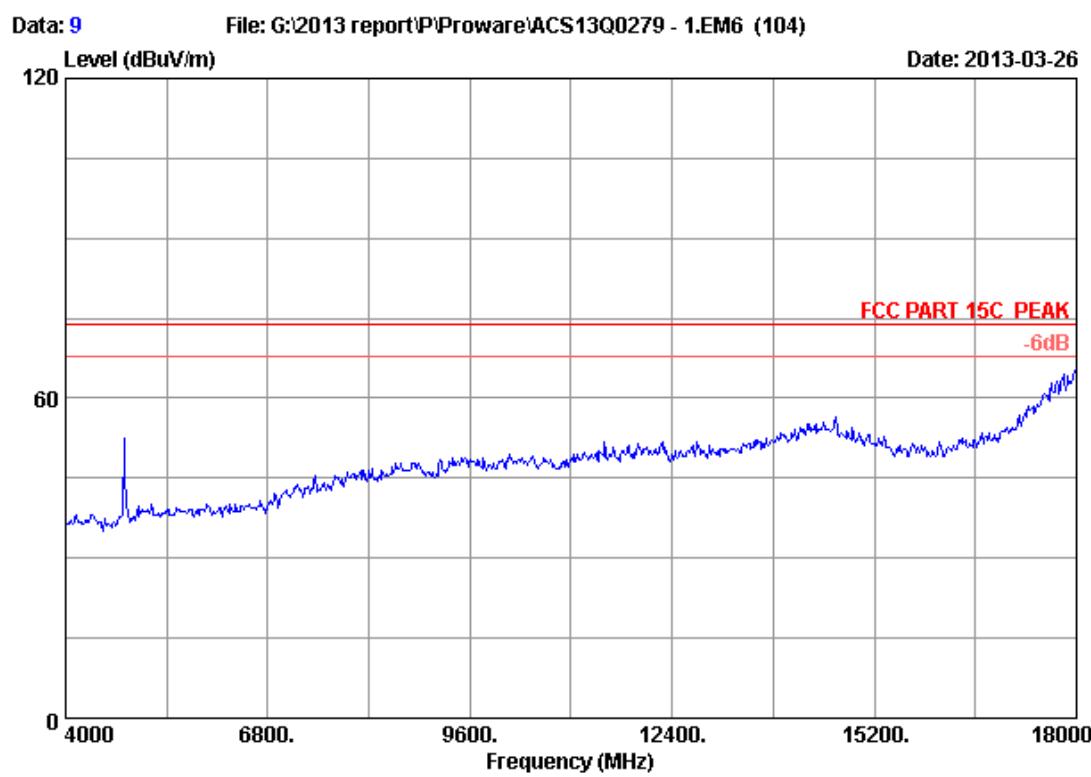


Site no. : 3m Chamber Data no. : 8  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

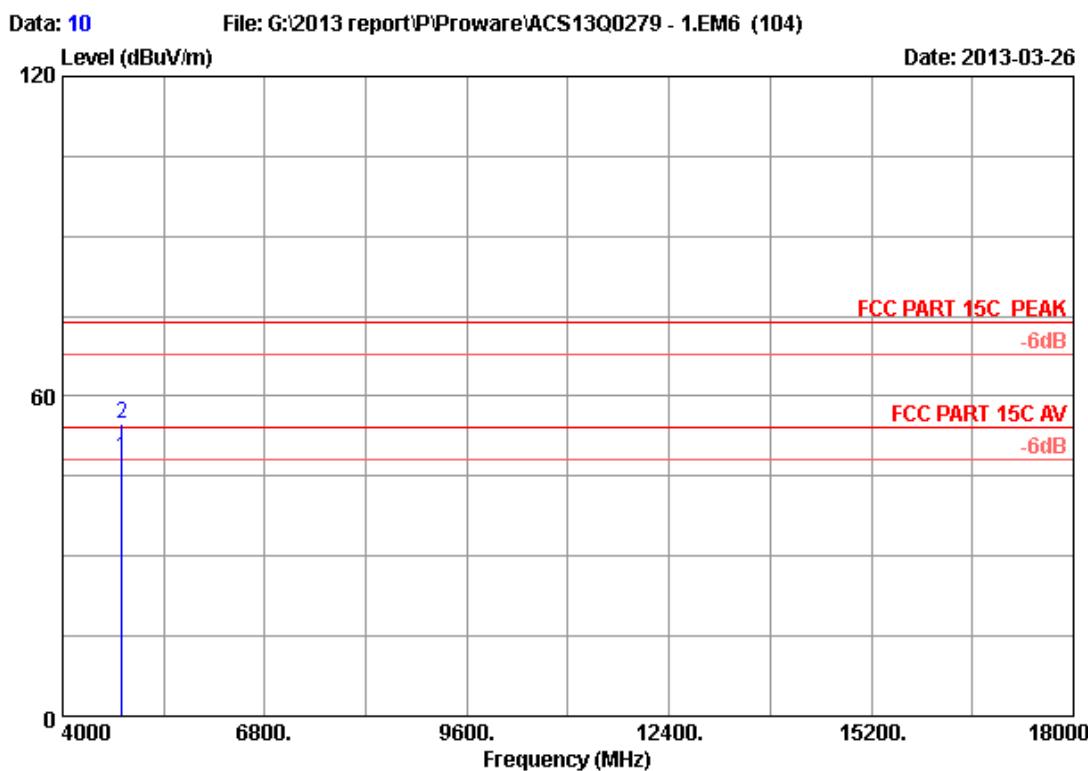
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	50.63	56.12	74.00	17.88 Peak
2	4824.000	32.51	8.69	35.71	45.28	50.77	54.00	3.23 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 9  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

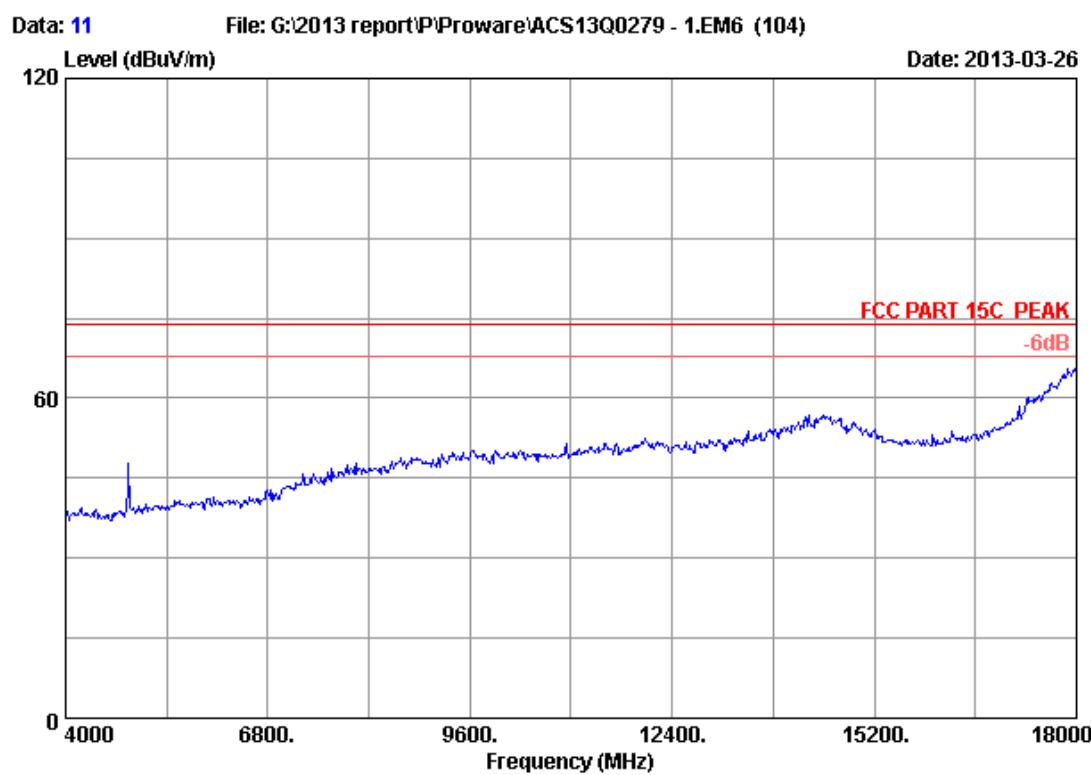


Site no. : 3m Chamber Data no. : 10  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

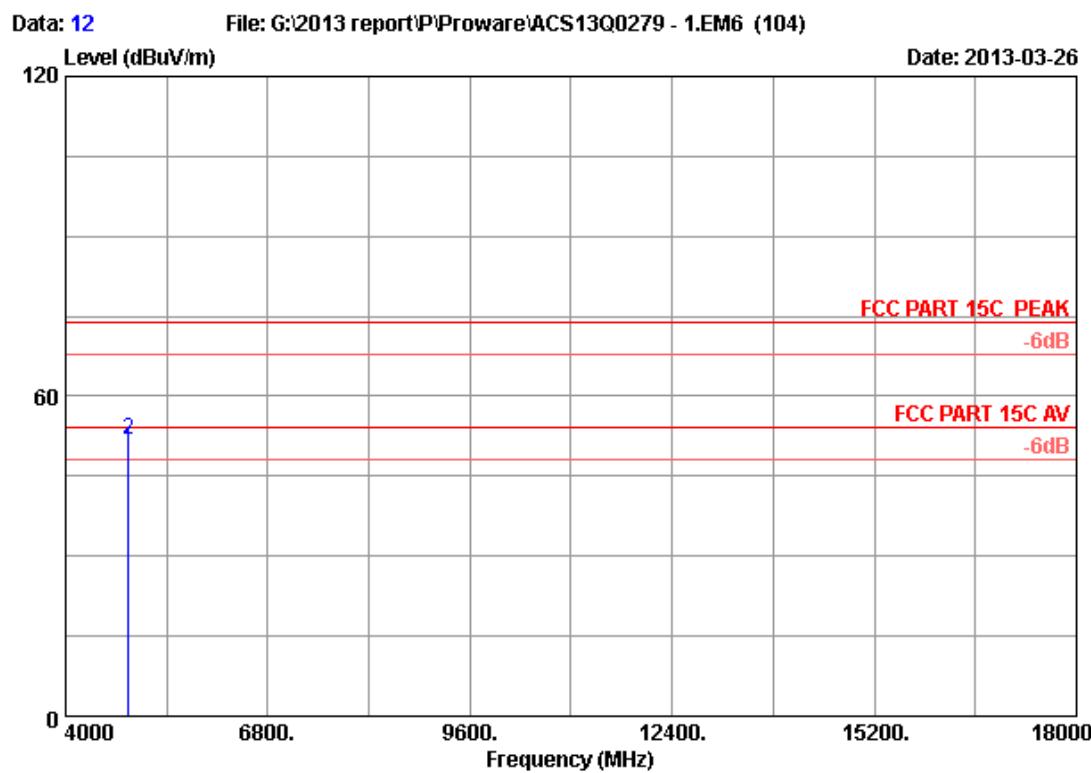
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	42.88	48.37	54.00	5.63 Average
2	4824.000	32.51	8.69	35.71	49.17	54.66	74.00	19.34 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 11  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

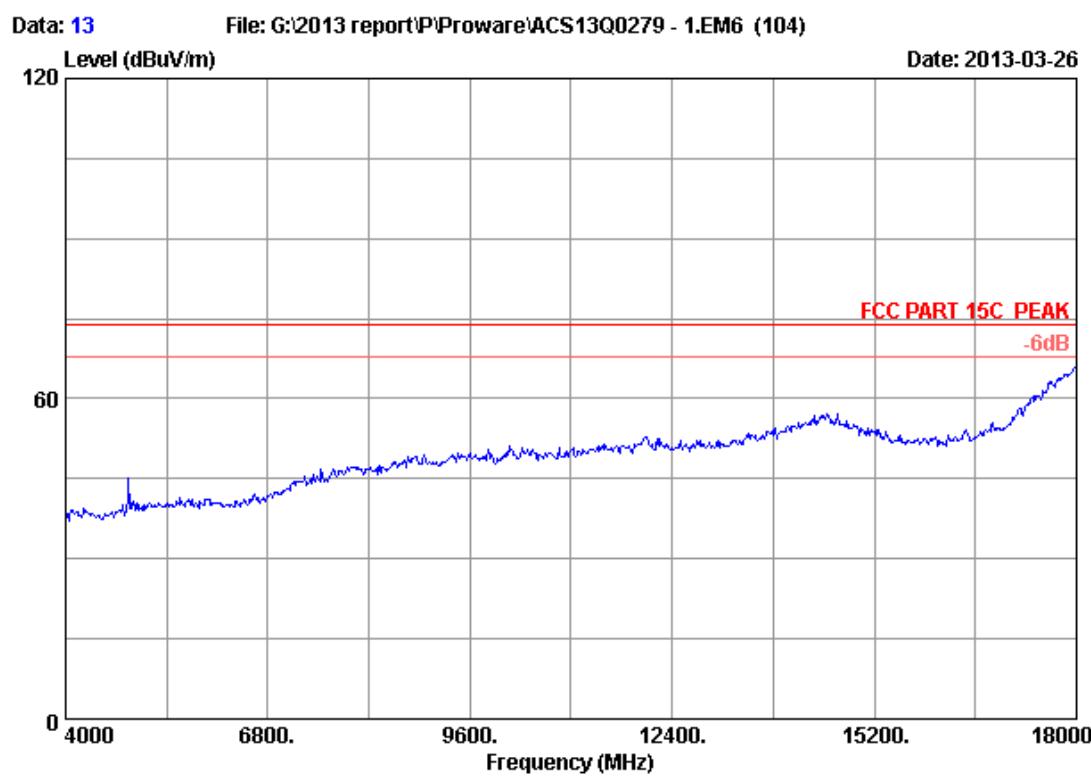


Site no. : 3m Chamber Data no. : 12  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

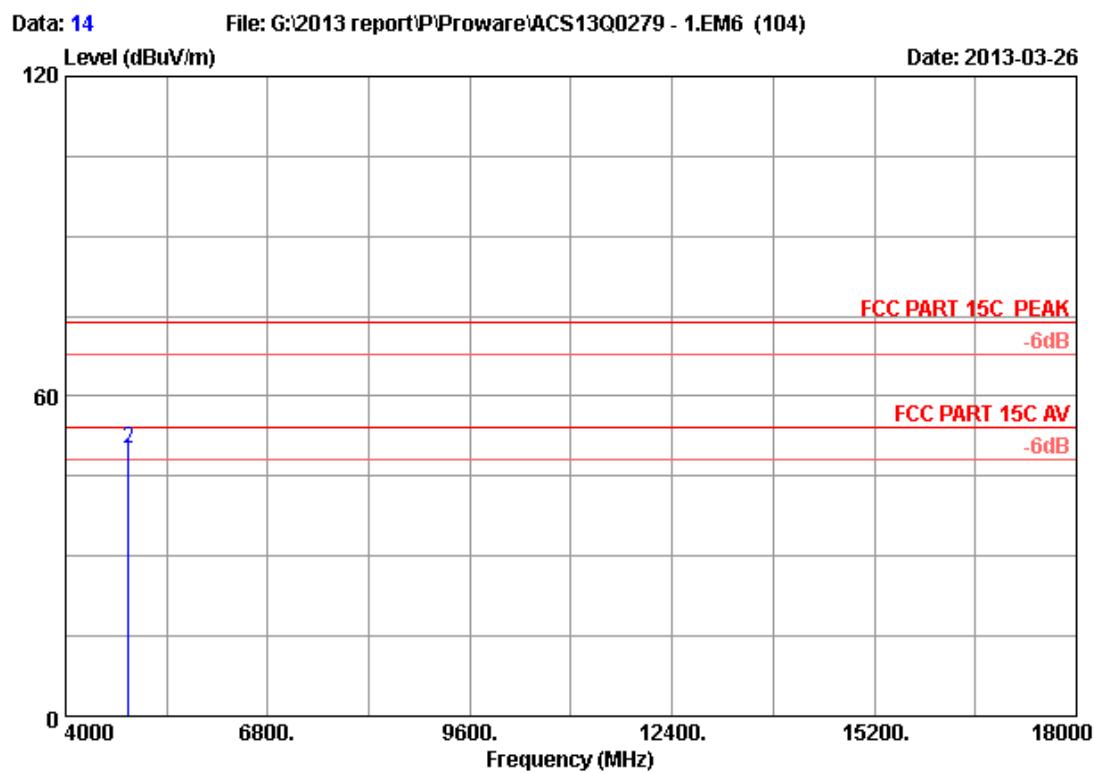
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	44.52	50.18	54.00	3.82 Average
2	4874.000	32.62	8.73	35.69	46.10	51.76	74.00	22.24 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 13  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 14  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH6 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

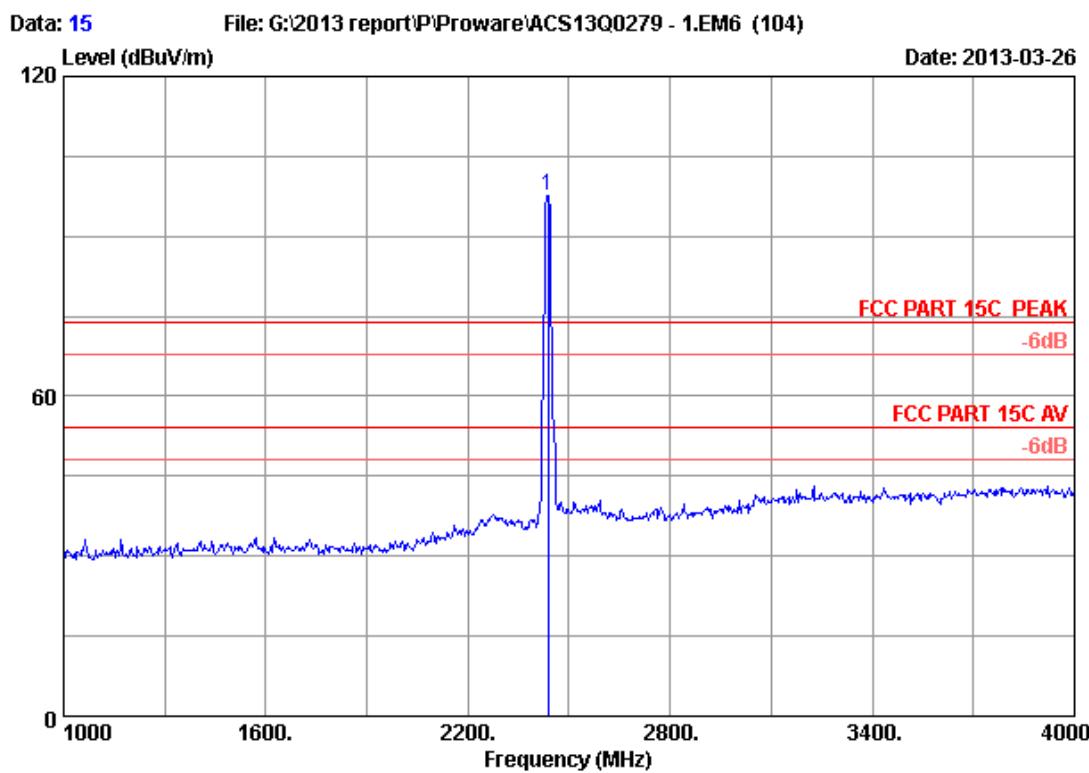
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	42.32	47.98	54.00	6.02 Average
2	4874.000	32.62	8.73	35.69	44.32	49.98	74.00	24.02 Peak

Remarks:

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

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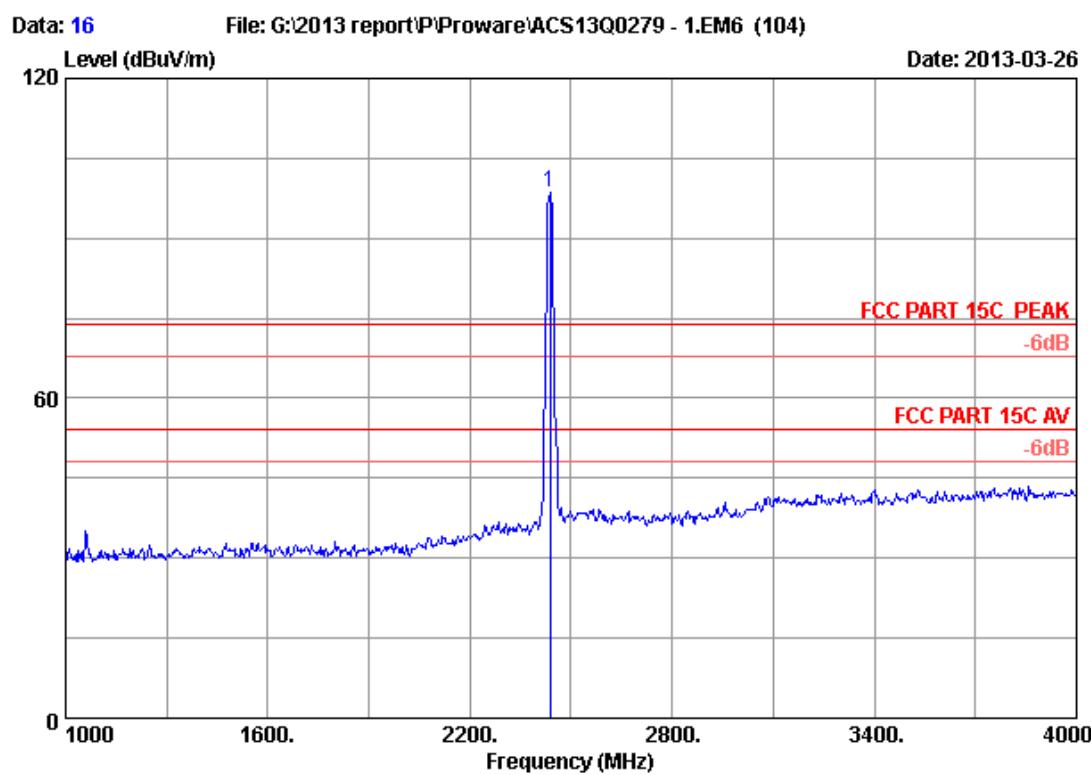


Site no. : 3m Chamber Data no. : 15  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH7 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	100.56	97.72	74.00 -23.72 Peak

## Remarks:

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

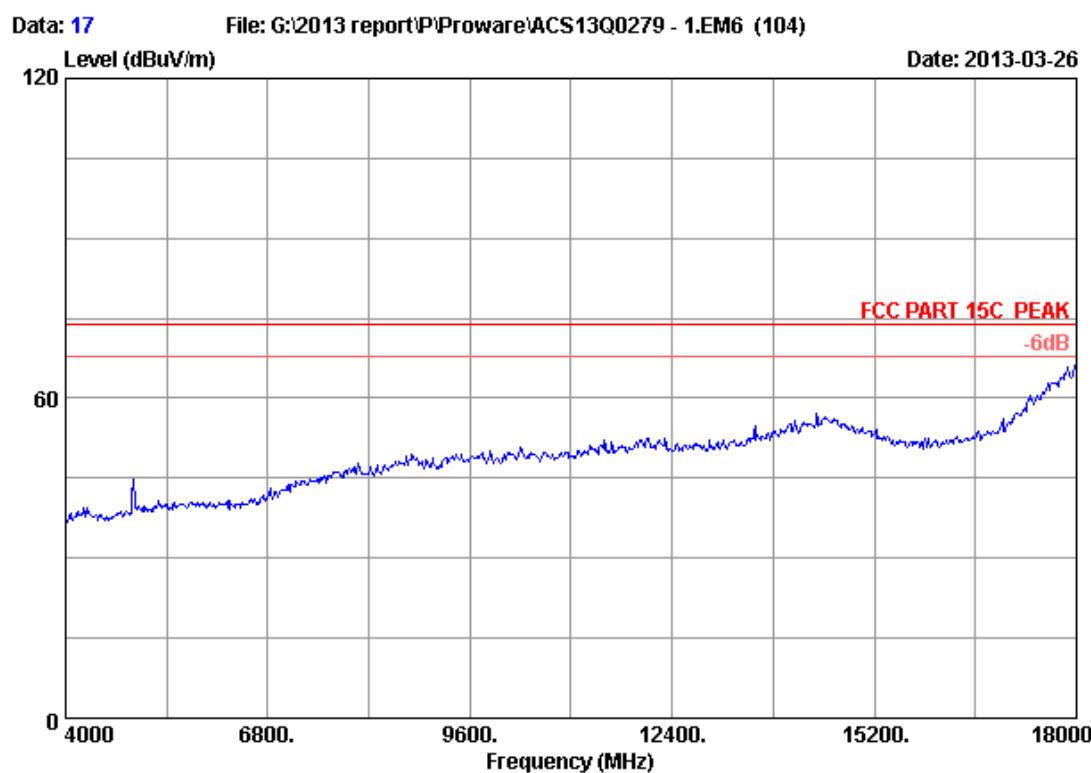


Site no. : 3m Chamber Data no. : 16  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH7 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	101.47	98.63	74.00 -24.63 Peak

## Remarks:

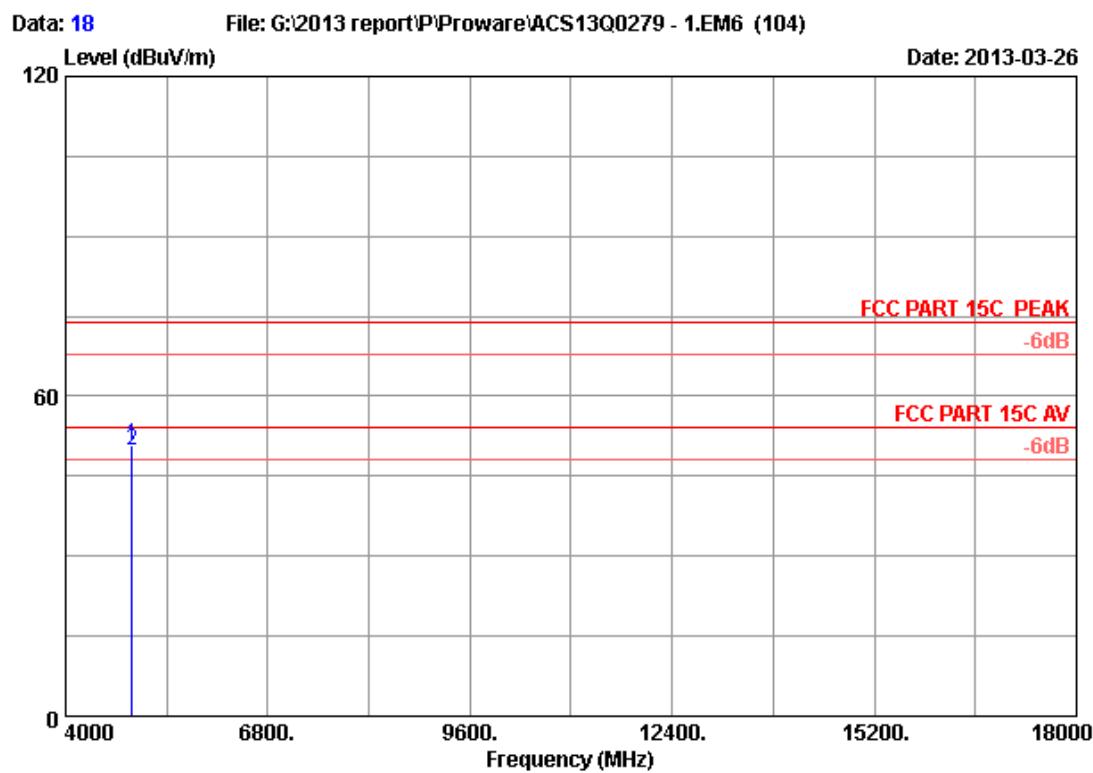
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

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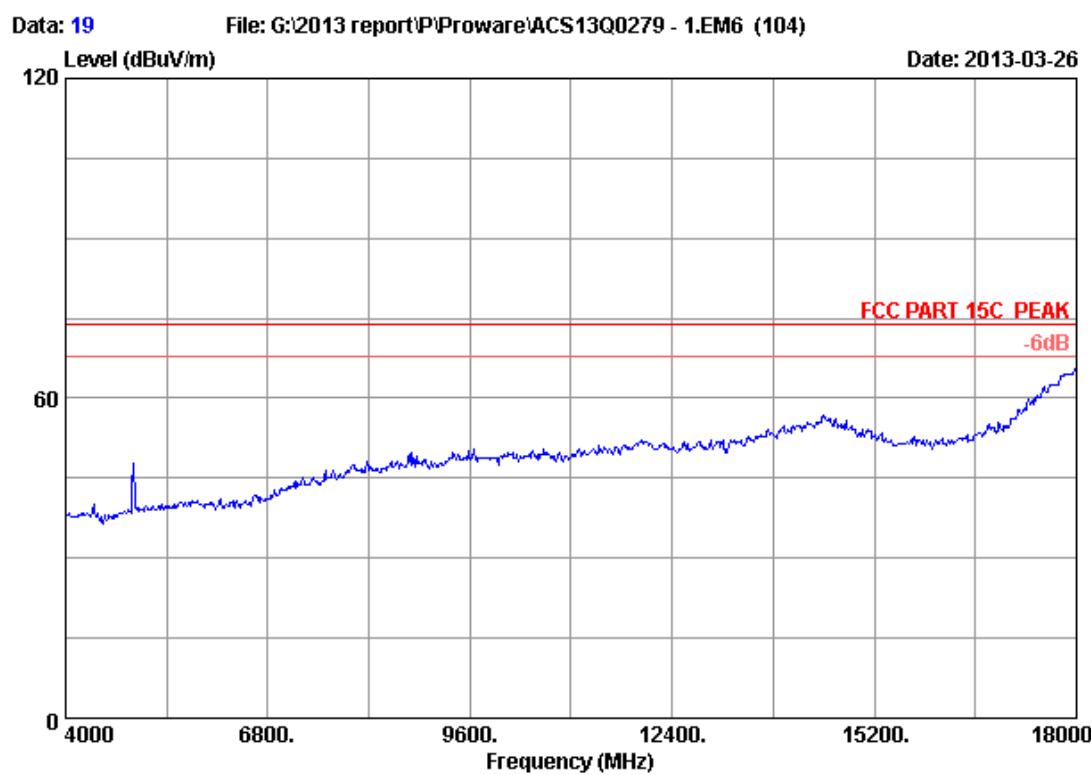


Site no. : 3m Chamber Data no. : 18  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

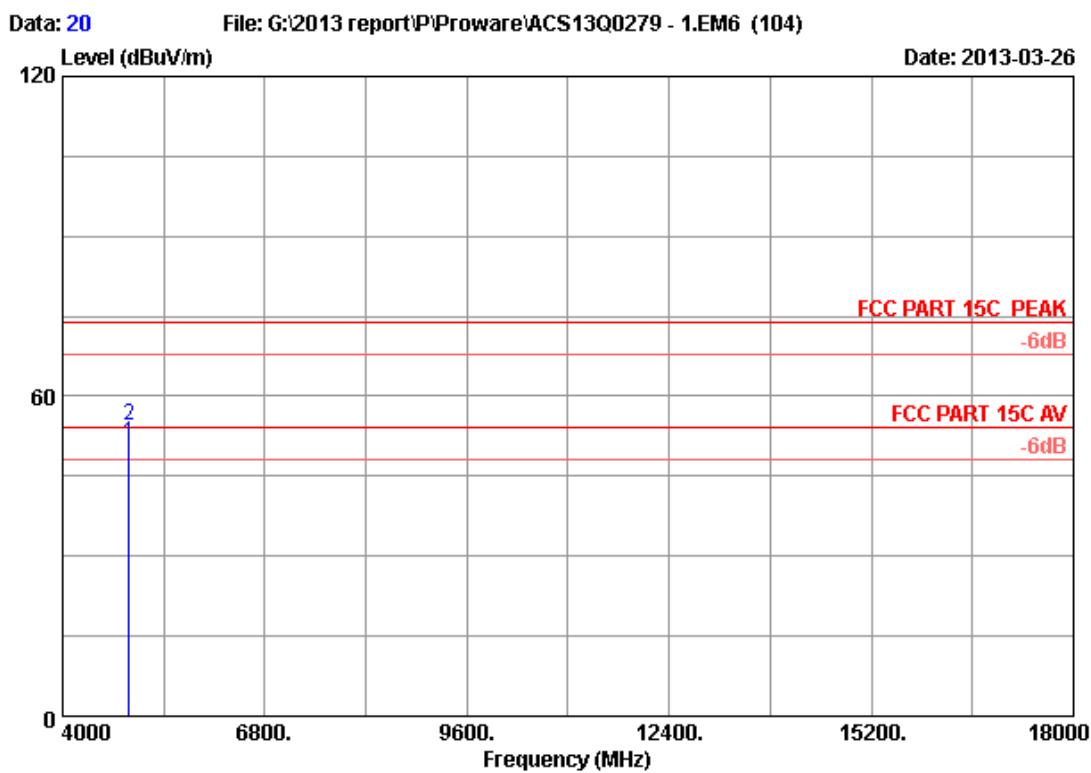
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	44.89	50.72	74.00	23.28 Peak
2	4924.000	32.73	8.78	35.68	43.96	49.79	54.00	4.21 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 19  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 20  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.47	51.30	54.00	2.70 Average
2	4924.000	32.73	8.78	35.68	48.79	54.62	74.00	19.38 Peak

Remarks:

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

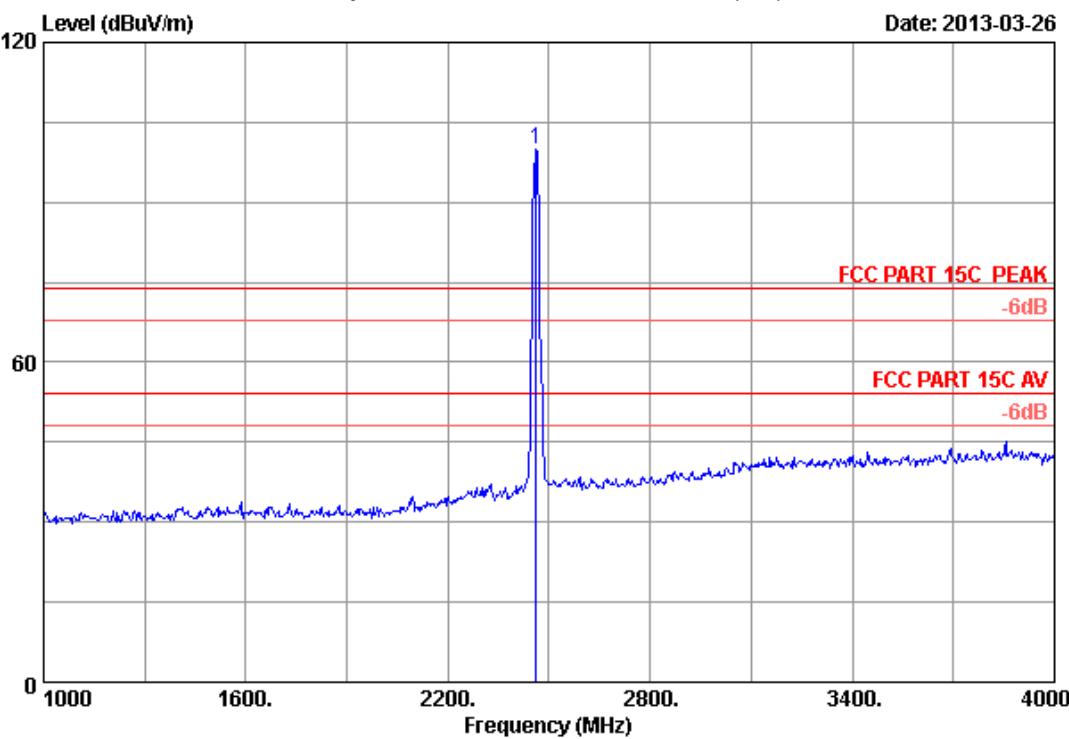
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Data: 21

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Date: 2013-03-26

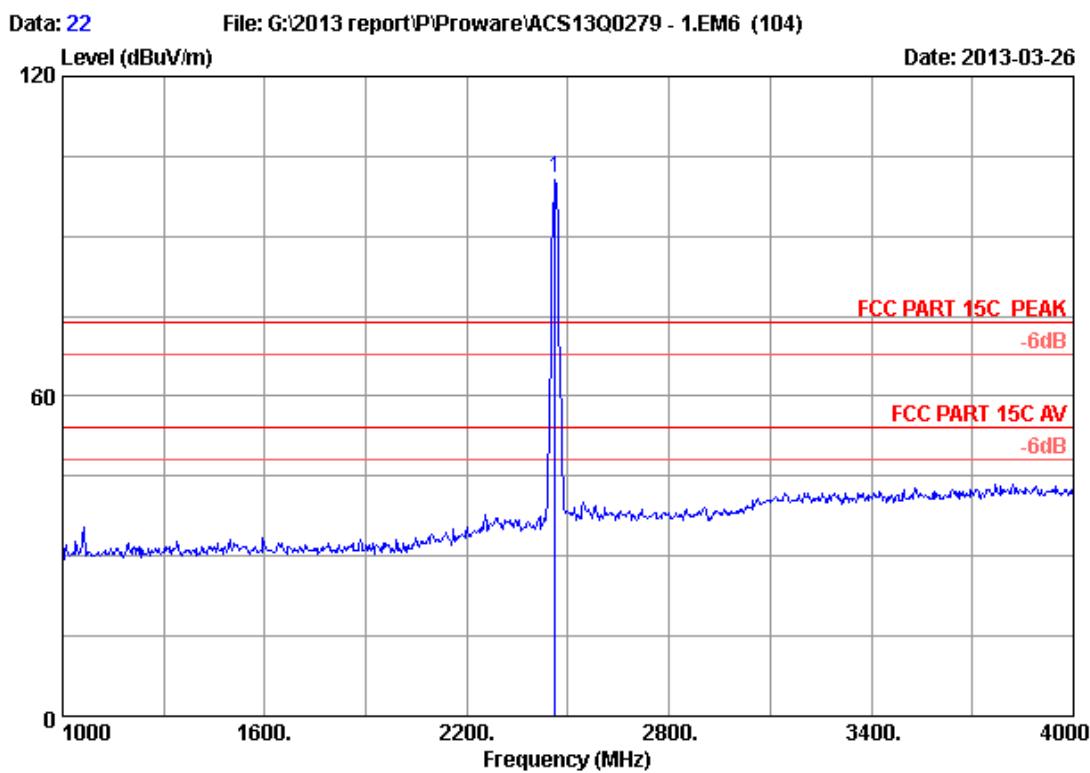


Site no. : 3m Chamber Data no. : 21  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2462.000	27.16	6.12	35.92	102.45	99.81	74.00 -25.81 Peak

## Remarks:

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

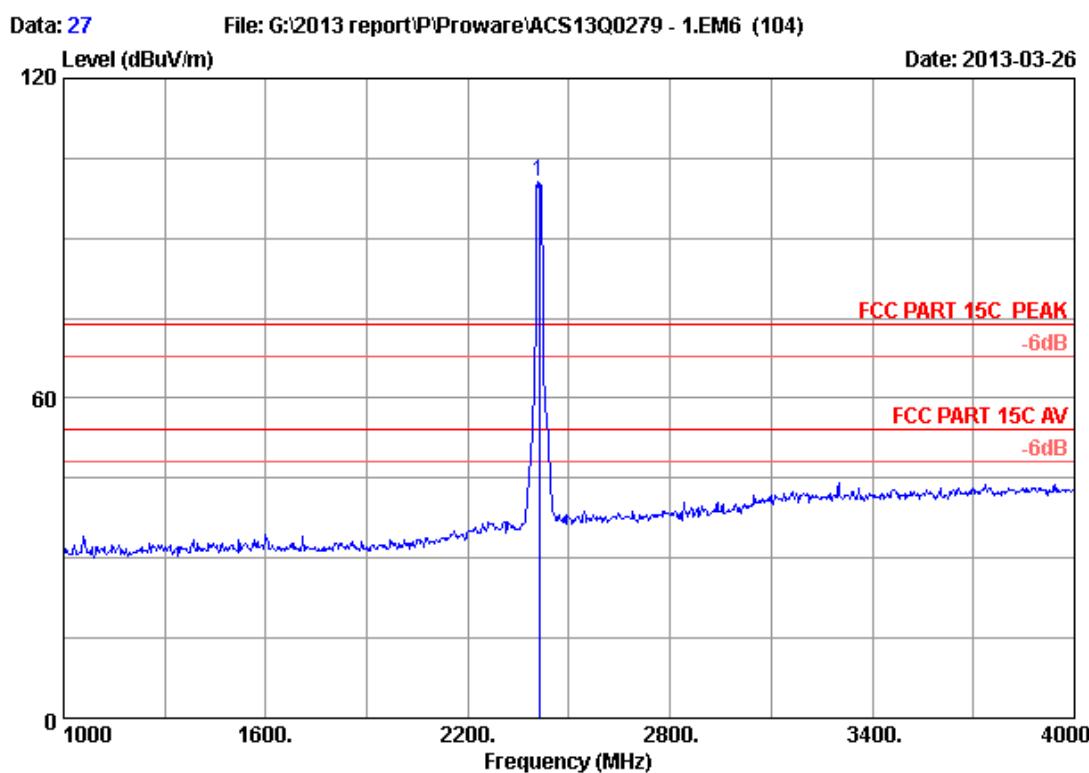


Site no. : 3m Chamber Data no. : 22  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	103.63	100.99	74.00 -26.99 Peak

Remarks:

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

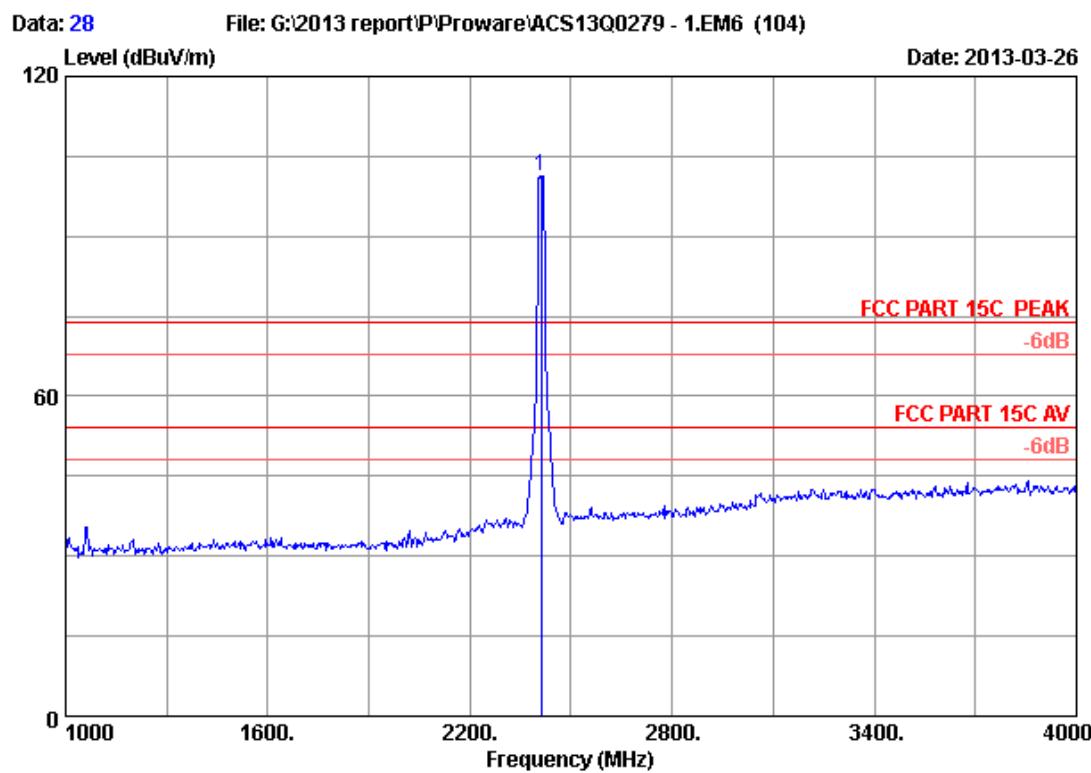


Site no. : 3m Chamber Data no. : 27  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	103.70	100.66	74.00 -26.66 Peak

Remarks:

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

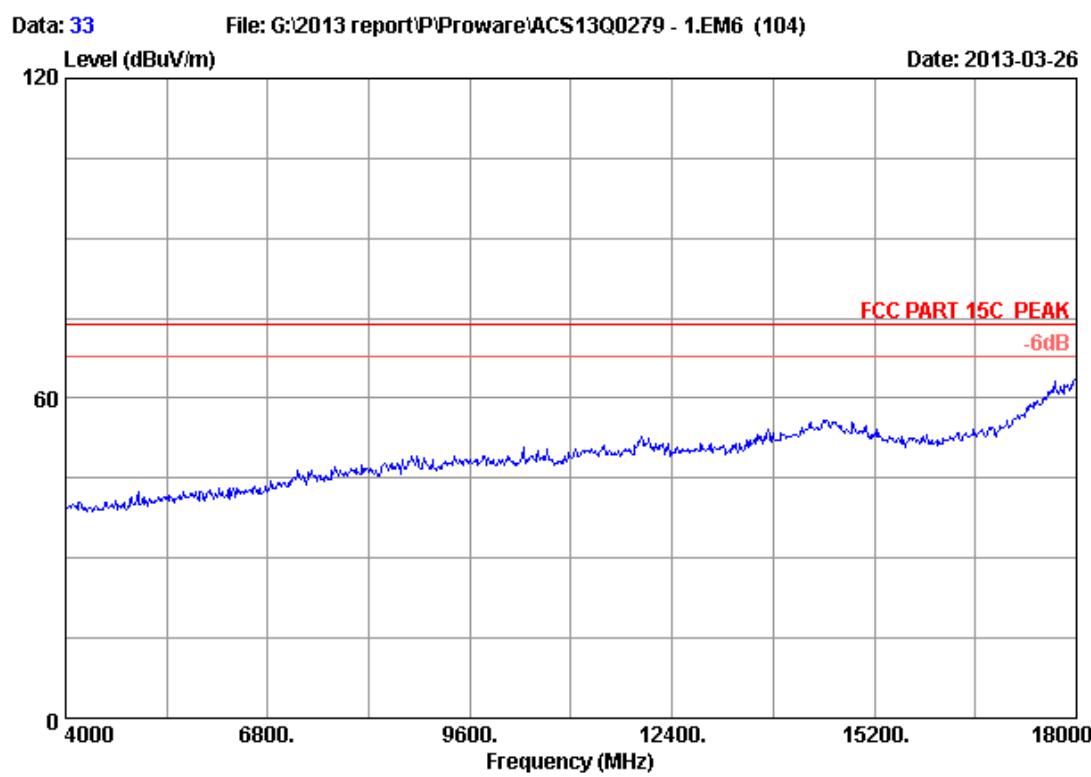


Site no. : 3m Chamber Data no. : 28  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

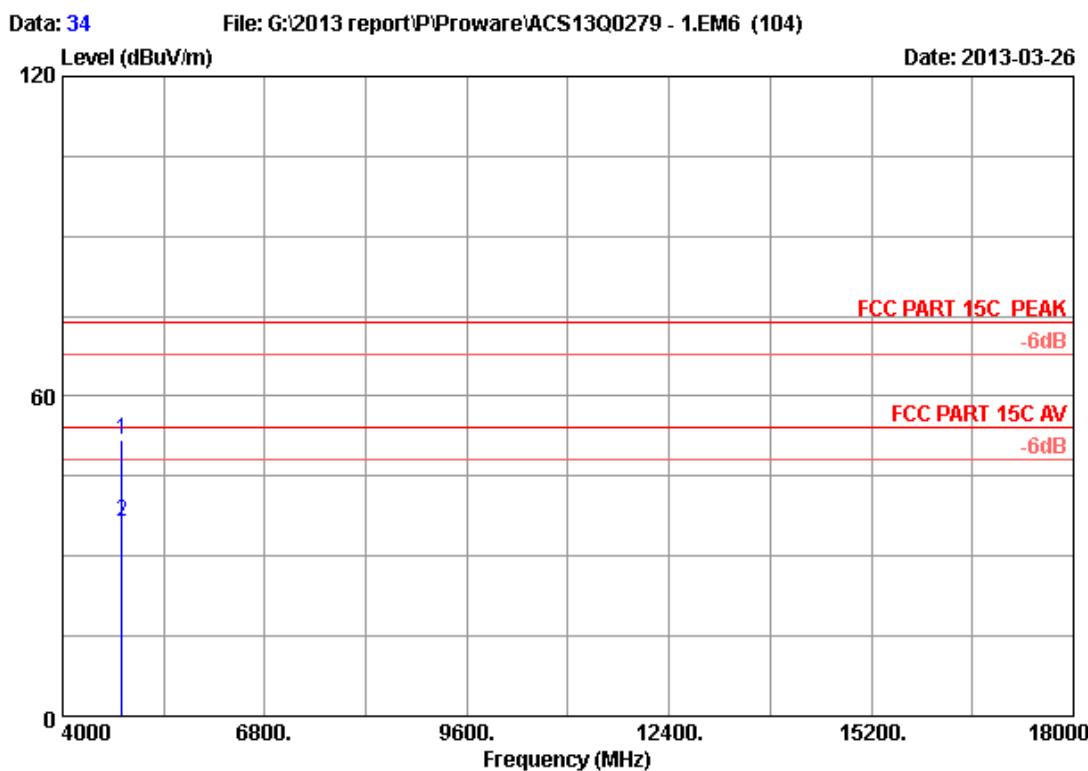
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2412.000	26.84	6.04	35.92	104.40	101.36	74.00	-27.36 Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 33  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

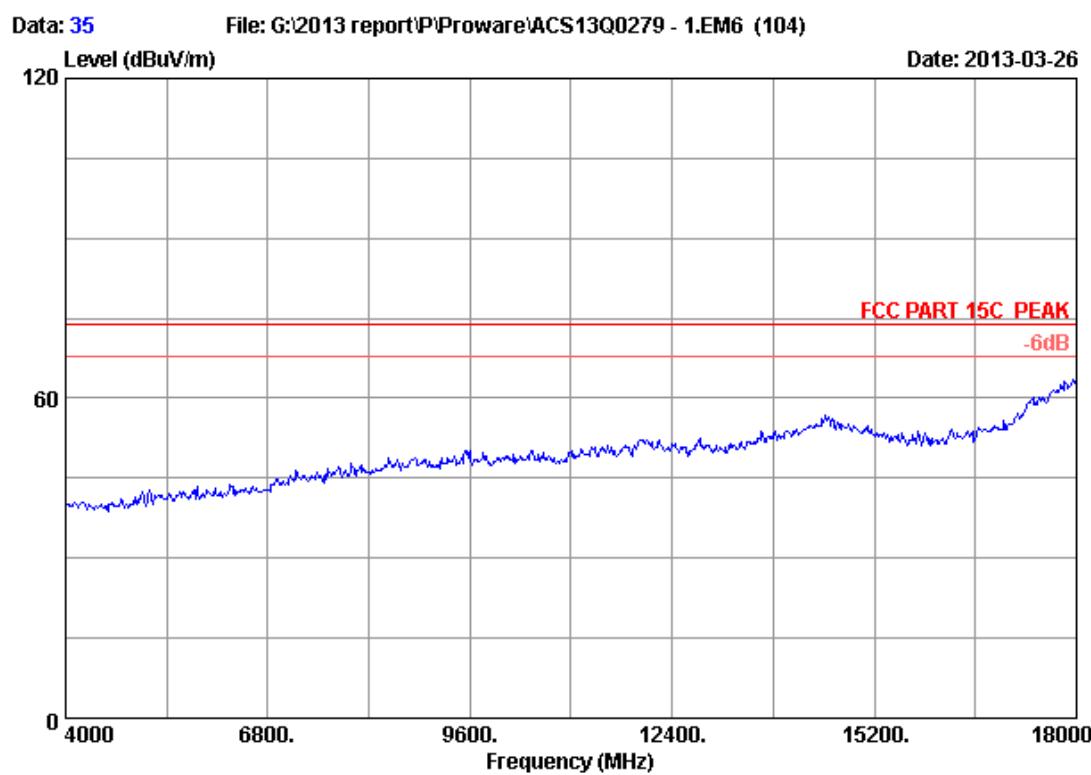


Site no. : 3m Chamber Data no. : 34  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

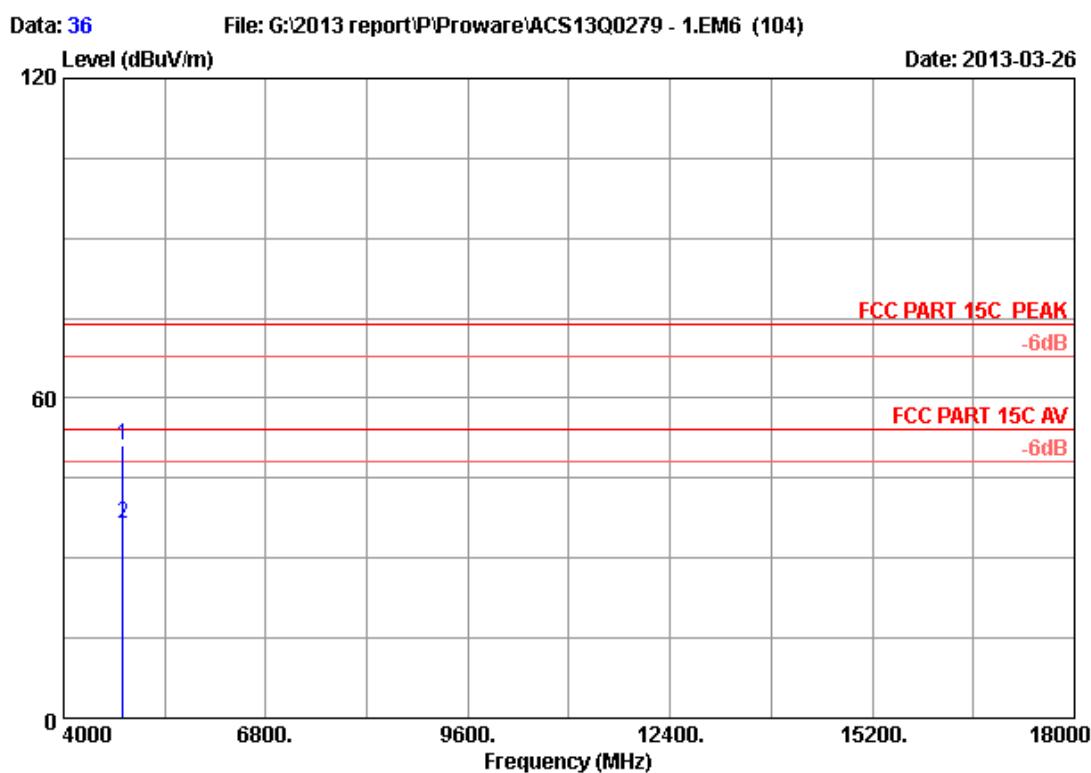
Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 4824.000	32.51	8.69	35.71	46.21	51.70	74.00	22.30	Peak
2 4824.000	32.51	8.69	35.71	31.04	36.53	54.00	17.47	Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 35  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

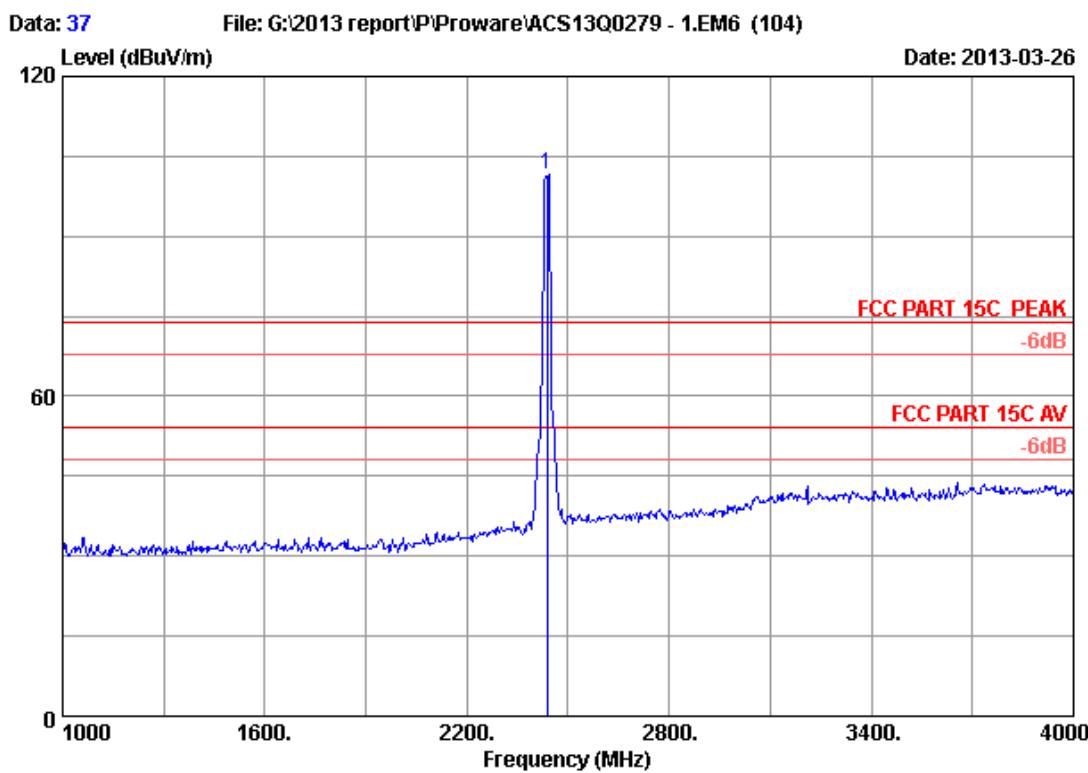


Site no. : 3m Chamber Data no. : 36  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 4824.000	32.51	8.69	35.71	45.65	51.14	74.00	22.86	Peak
2 4824.000	32.51	8.69	35.71	31.04	36.53	54.00	17.47	Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 37  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	104.55	101.71	74.00 -27.71 Peak

Remarks:

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

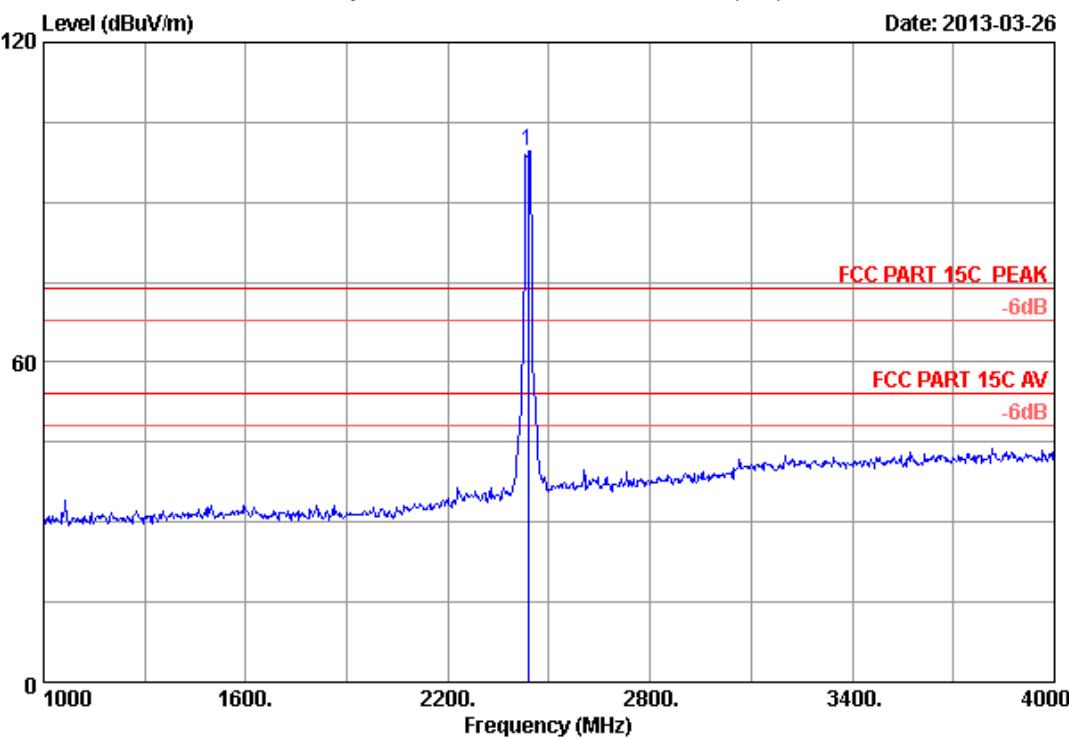
FCC ID:WWMMN421V2

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Data: 38

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26

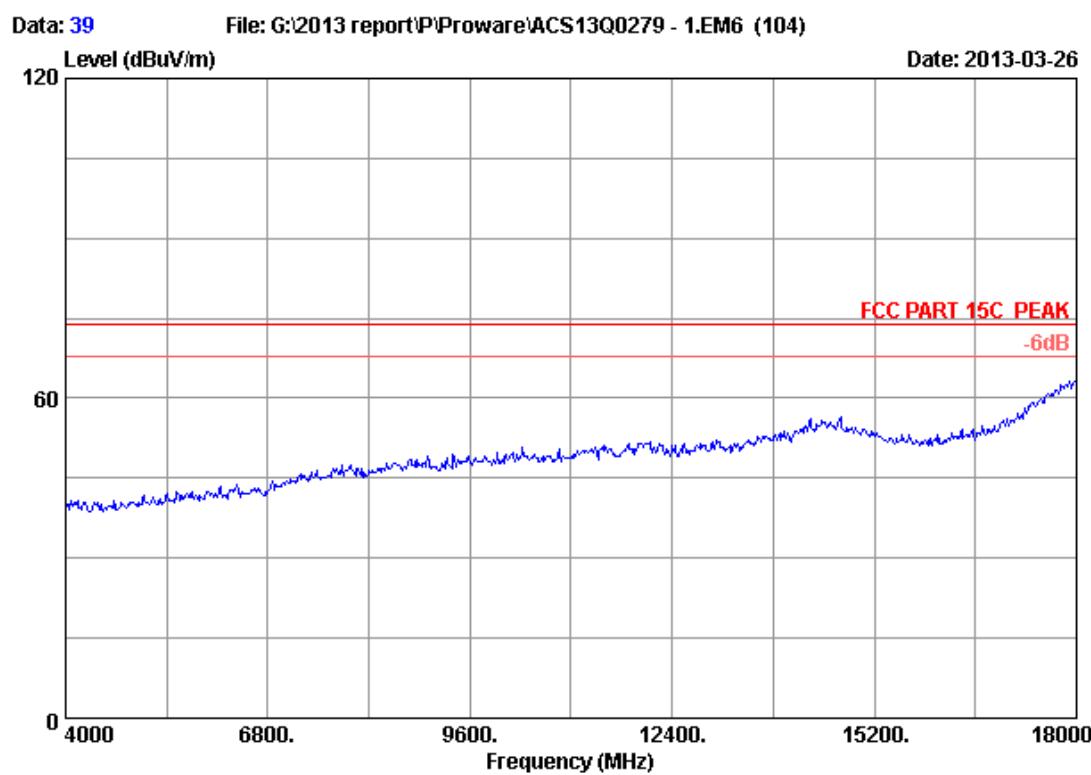


Site no. : 3m Chamber Data no. : 38  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

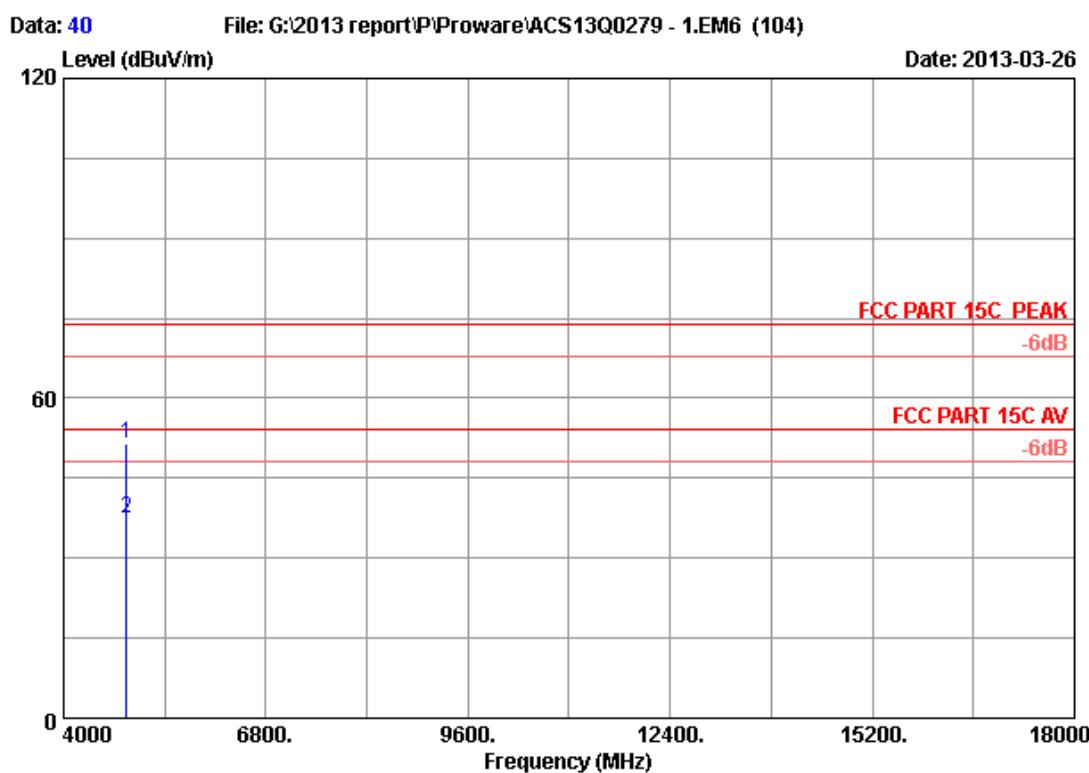
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2437.000	27.00	6.08	35.92	102.34	99.50	74.00 -25.50 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 39  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

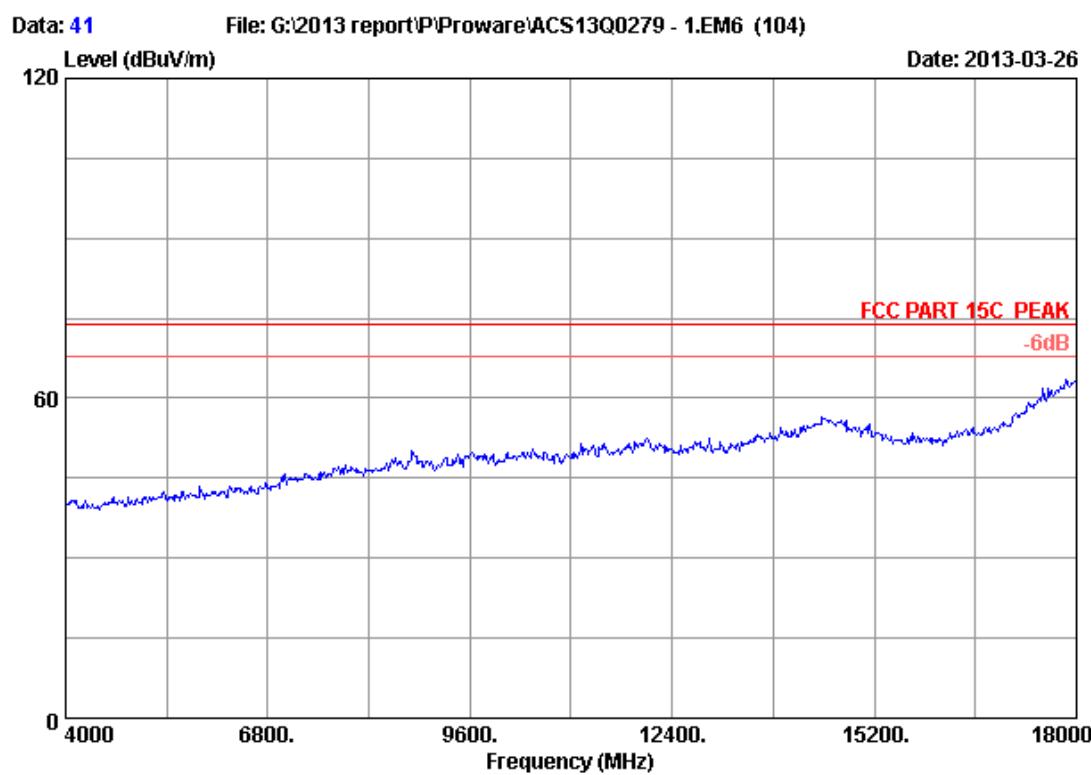


Site no. : 3m Chamber Data no. : 40  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

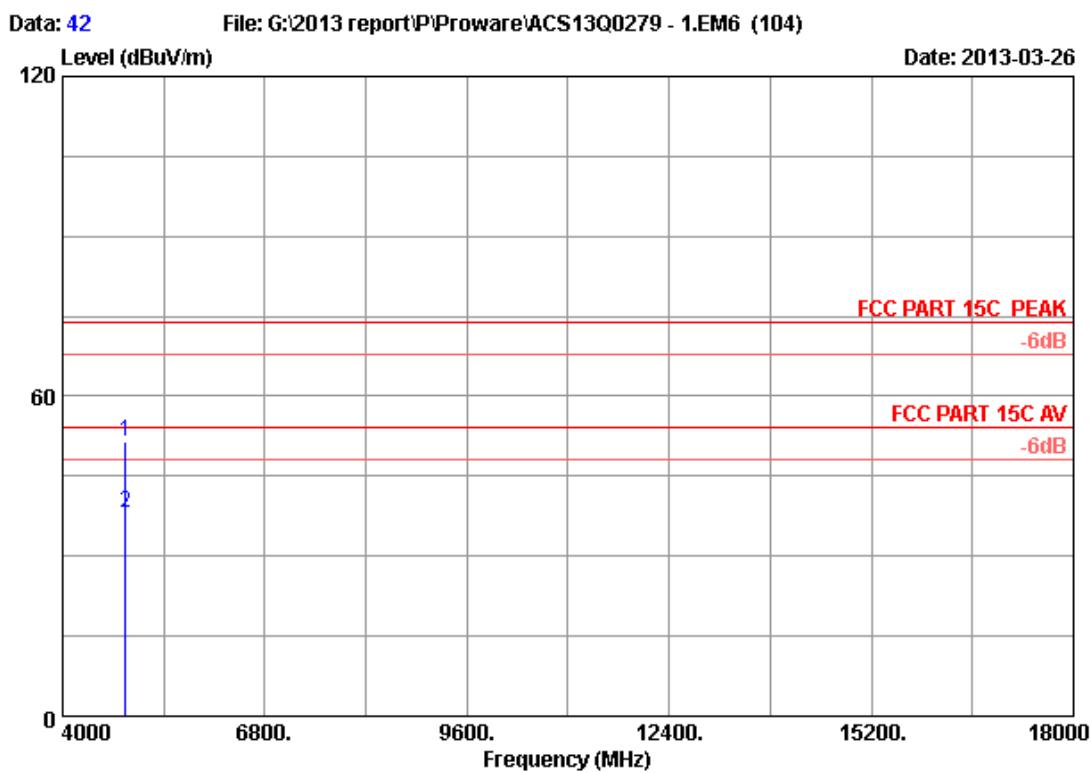
Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 4874.000	32.62	8.73	35.69	45.92	51.58	74.00	22.42	Peak
2 4874.000	32.62	8.73	35.69	31.65	37.31	54.00	16.69	Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 41  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 42  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH6 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.66	51.32	74.00	22.68 Peak
2	4874.000	32.62	8.73	35.69	32.54	38.20	54.00	15.80 Average

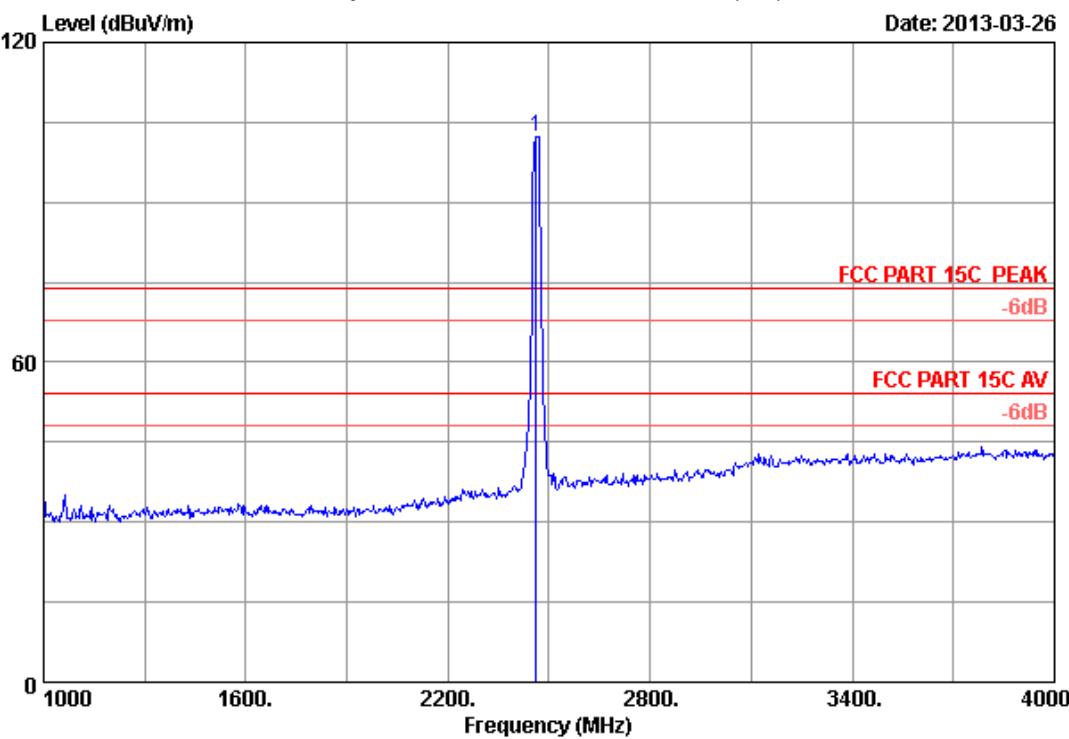
Remarks:

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

Data: 43

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Date: 2013-03-26



Site no. : 3m Chamber Data no. : 43  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

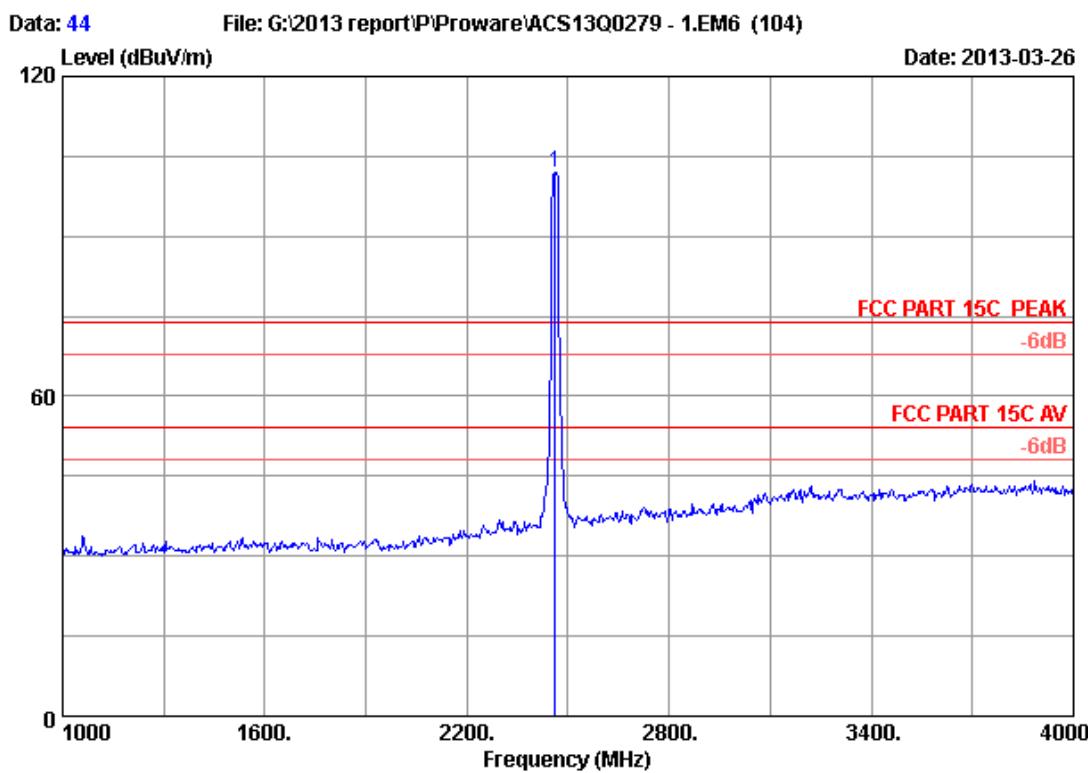
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2462.000	27.16	6.12	35.92	105.09	102.45	74.00 -28.45 Peak

## Remarks:

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

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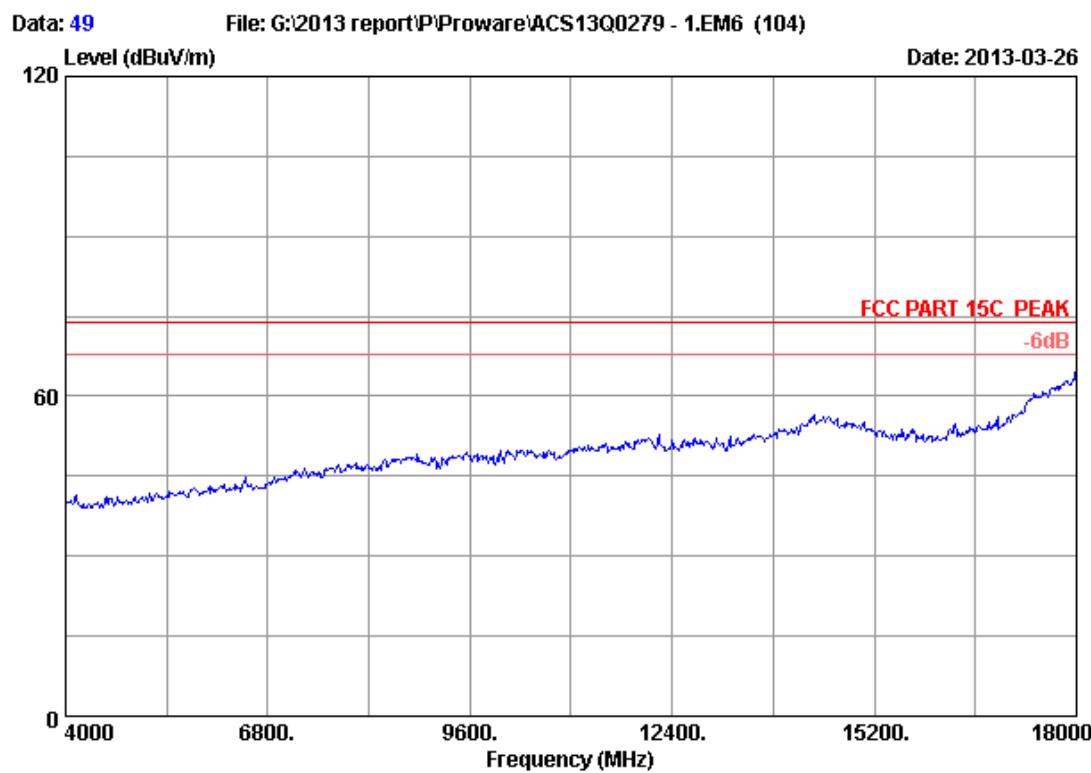


Site no. : 3m Chamber Data no. : 44  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

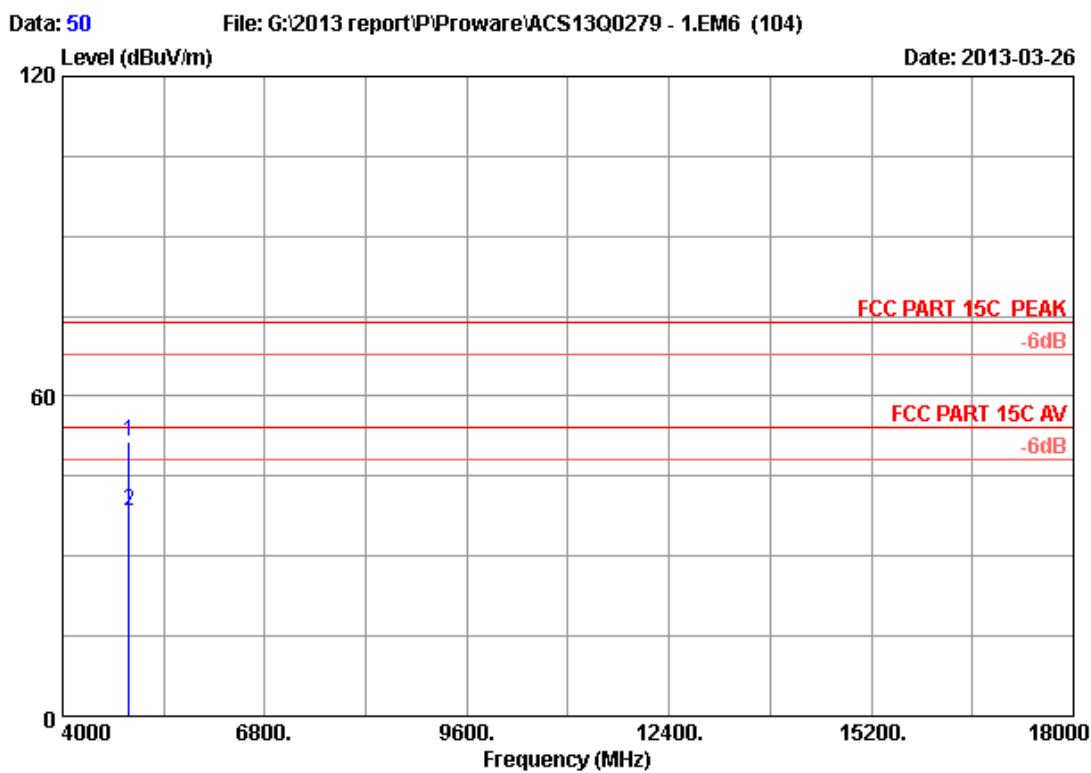
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2462.000	27.16	6.12	35.92	104.60	101.96	74.00 -27.96 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 49  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

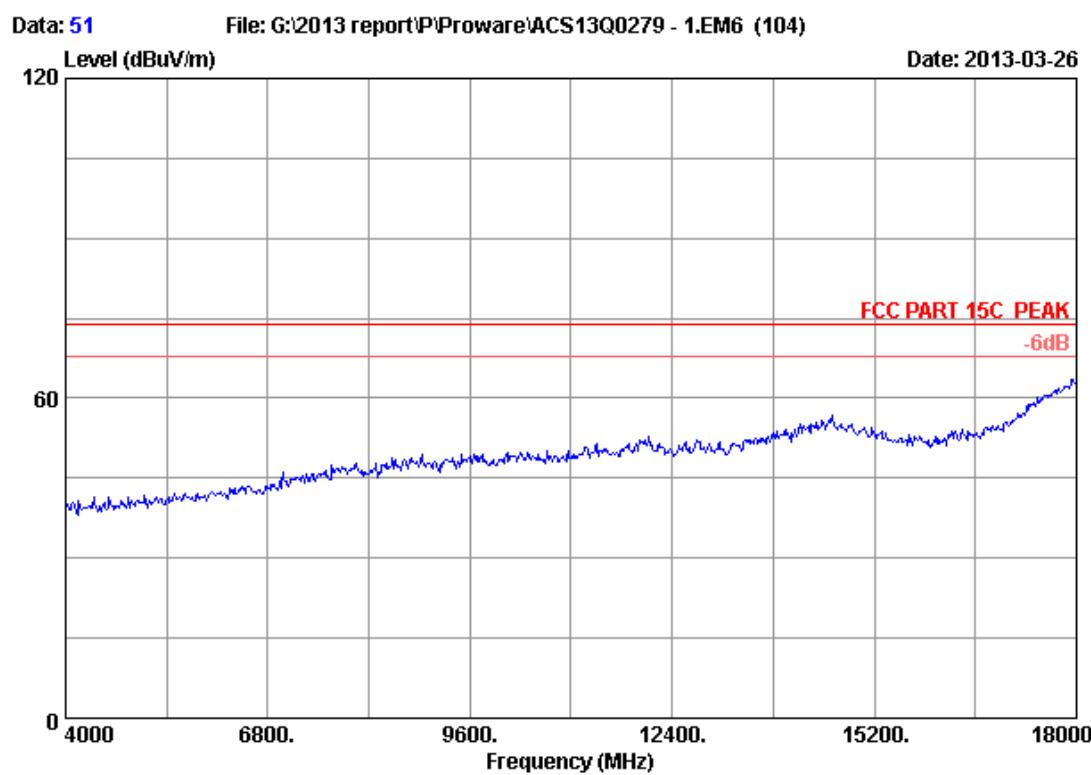


Site no. : 3m Chamber Data no. : 50  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

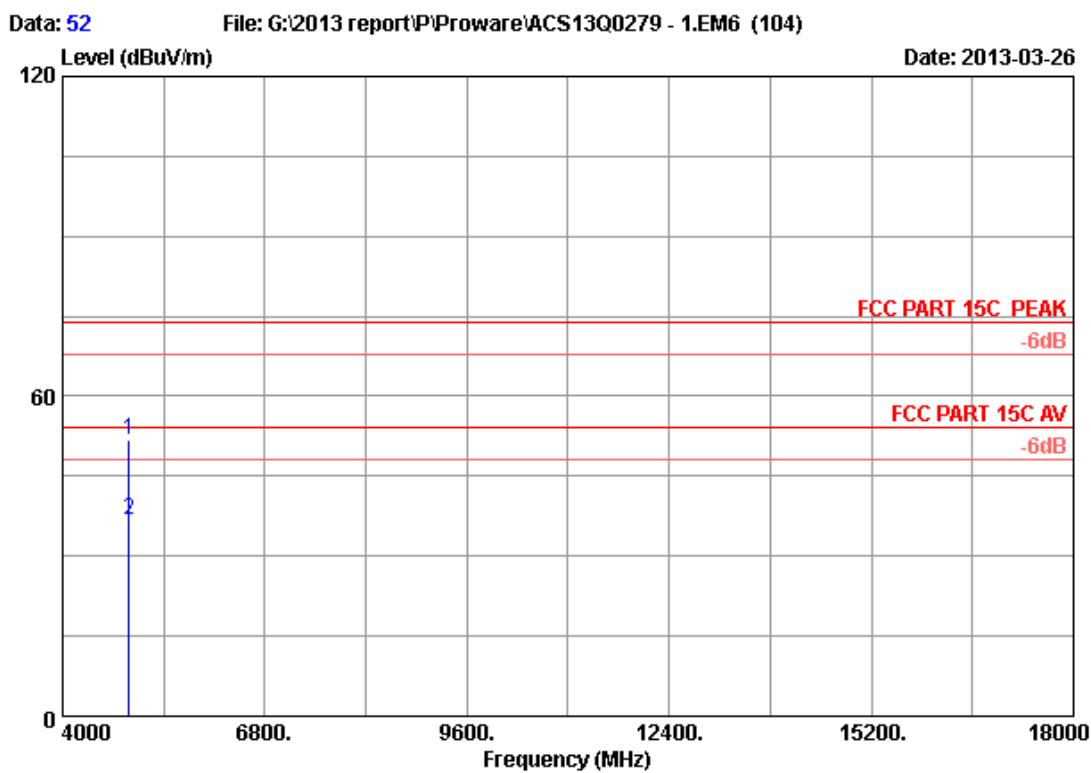
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	45.52	51.35	74.00	22.65 Peak
2	4924.000	32.73	8.78	35.68	32.50	38.33	54.00	15.67 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 51  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 52  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 4924.000	32.73	8.78	35.68	45.96	51.79	74.00	22.21	Peak
2 4924.000	32.73	8.78	35.68	30.81	36.64	54.00	17.36	Average

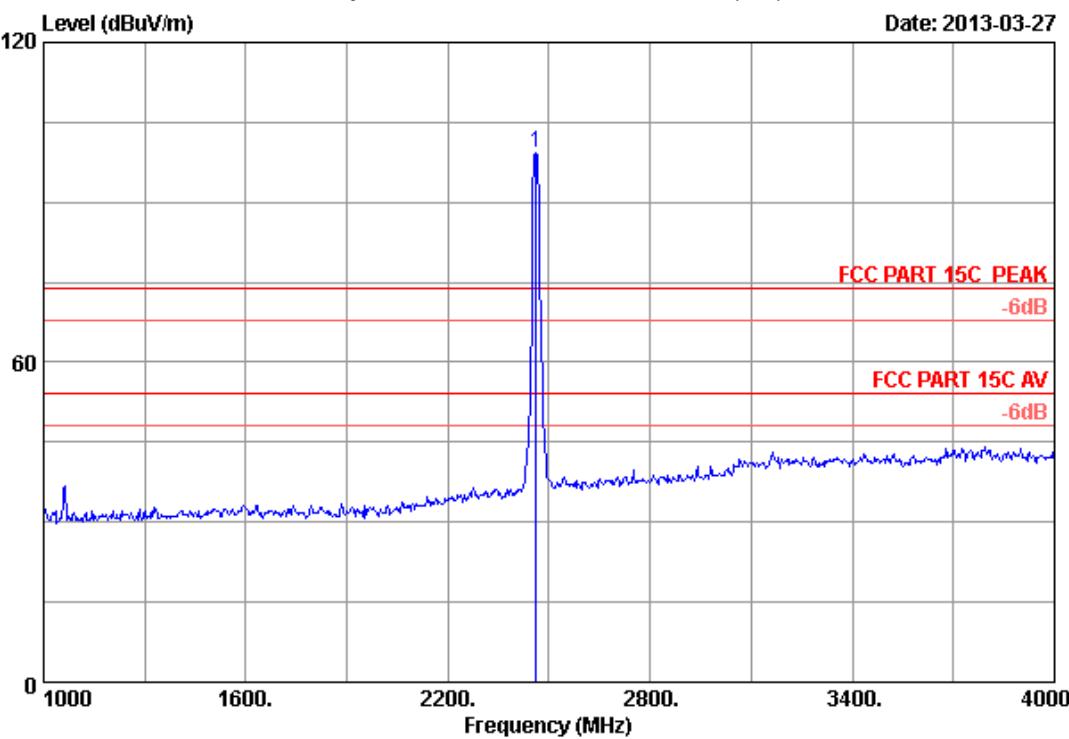
## Remarks:

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

Data: 57

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Date: 2013-03-27

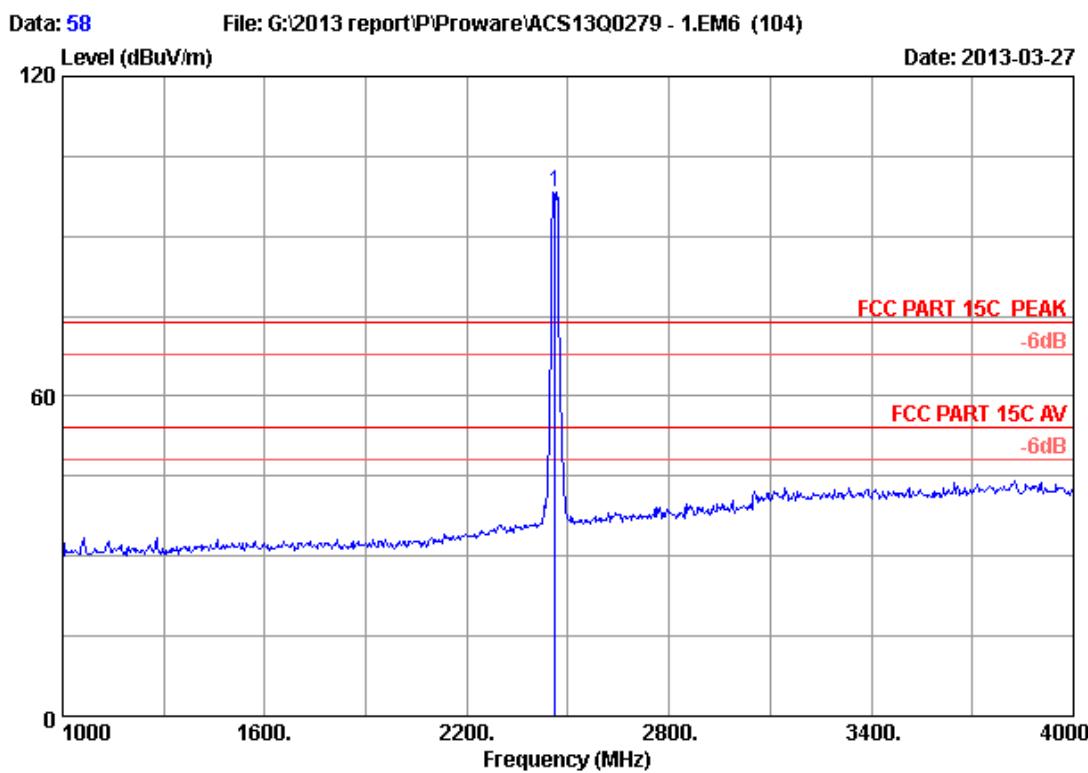


Site no. : 3m Chamber Data no. : 57  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2462.000	27.16	6.12	35.92	101.81	99.17	74.00 -25.17 Peak

## Remarks:

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

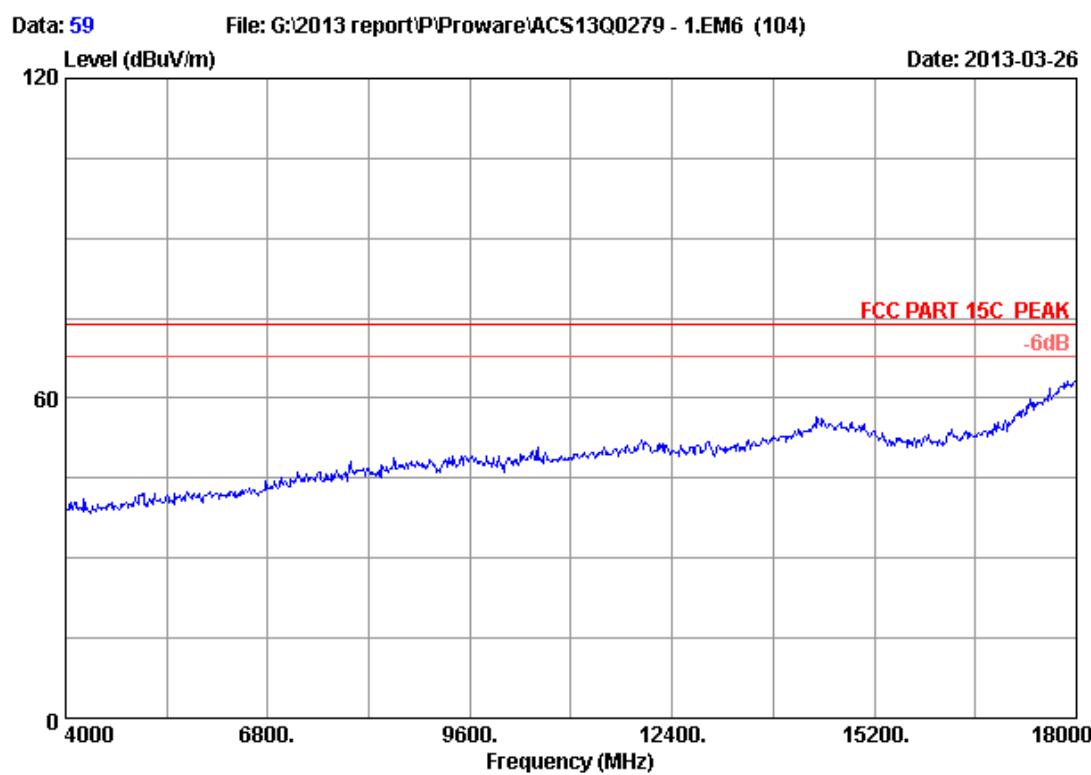


Site no. : 3m Chamber Data no. : 58  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

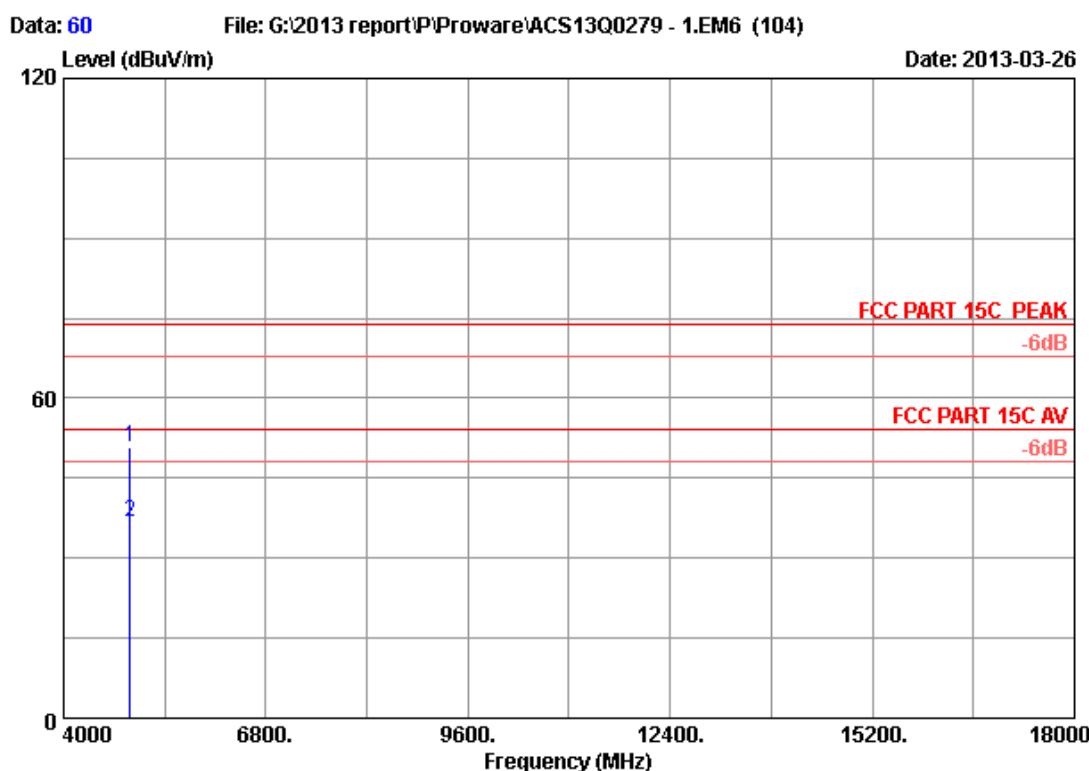
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2462.000	27.16	6.12	35.92	100.96	98.32	74.00	-24.32 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 59  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

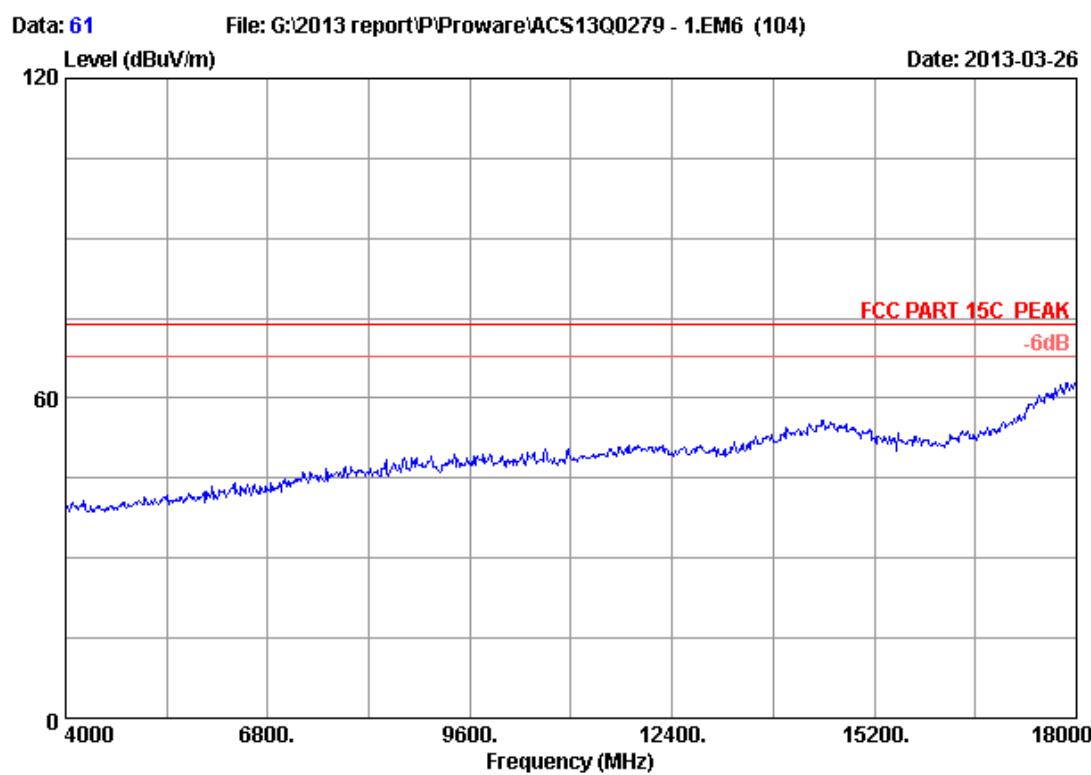


Site no. : 3m Chamber Data no. : 60  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

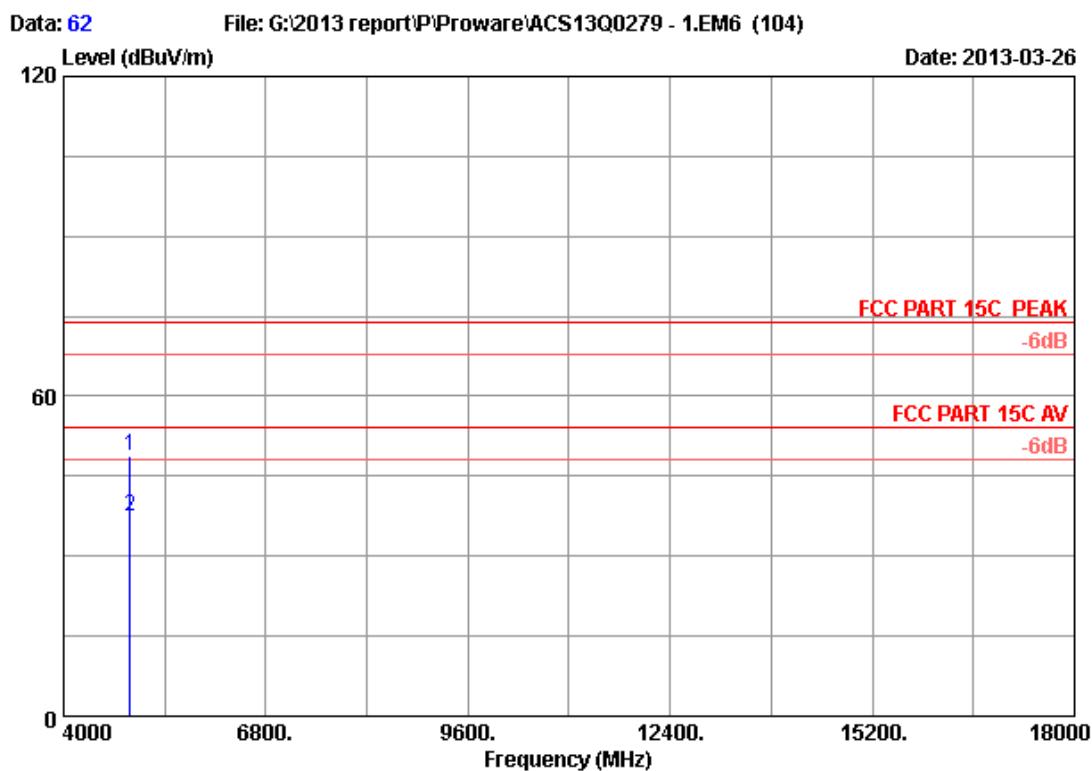
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	44.82	50.65	74.00	23.35 Peak
2	4924.000	32.73	8.78	35.68	31.04	36.87	54.00	17.13 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 61  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 62  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	32.73	8.78	35.68	43.04	48.87	74.00	25.13 Peak
2	4924.000	32.73	8.78	35.68	31.46	37.29	54.00	16.71 Average

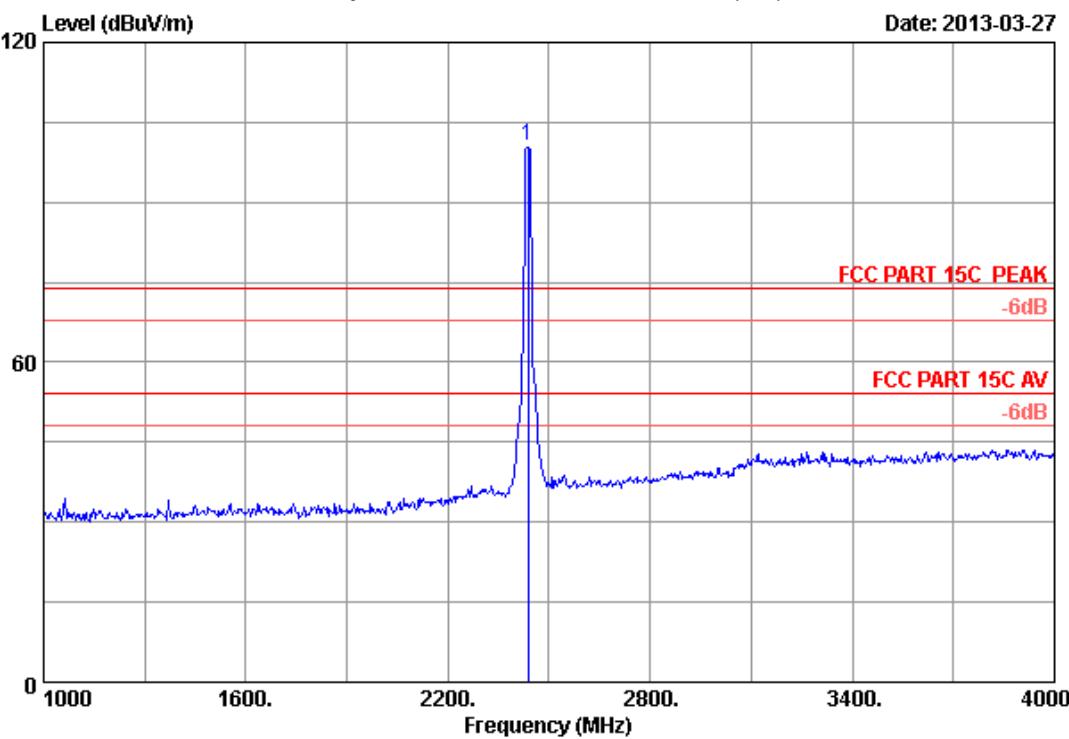
Remarks:

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

Data: 63

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Date: 2013-03-27

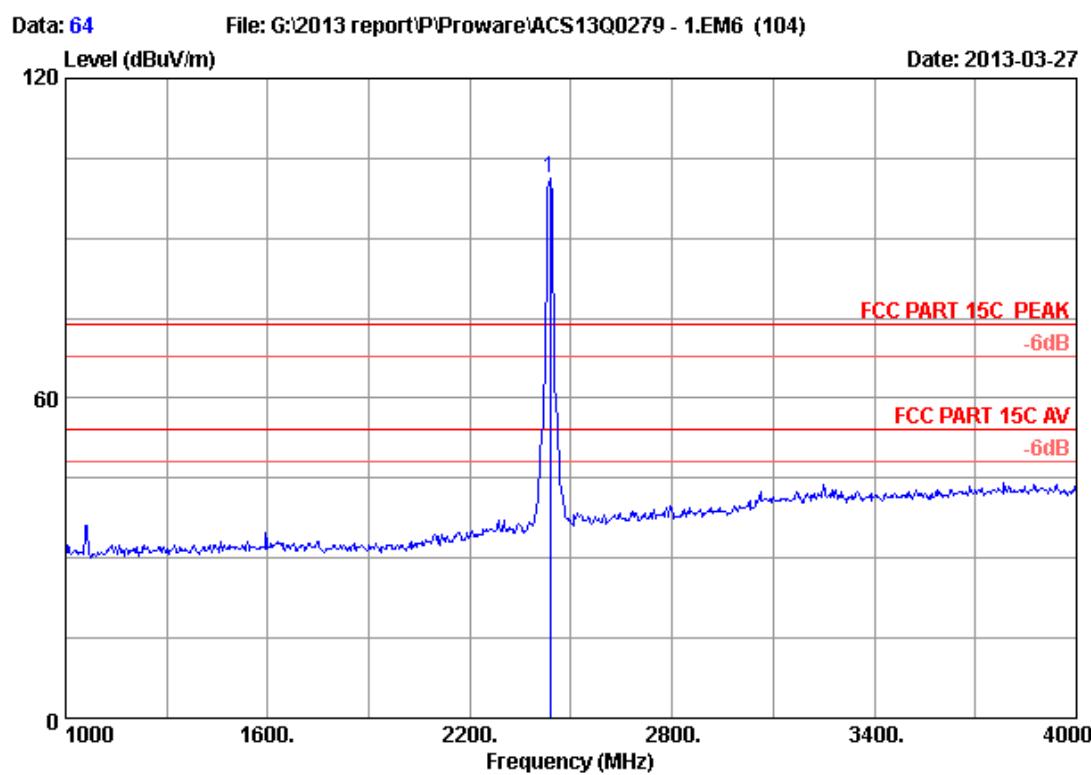


Site no. : 3m Chamber Data no. : 63  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>UV</sub> )	(dB <sub>UV</sub> /m)	(dB <sub>UV</sub> /m)	(dB)
1	2437.000	27.00	6.08	35.92	103.46	100.62	74.00 -26.62 Peak

## Remarks:

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

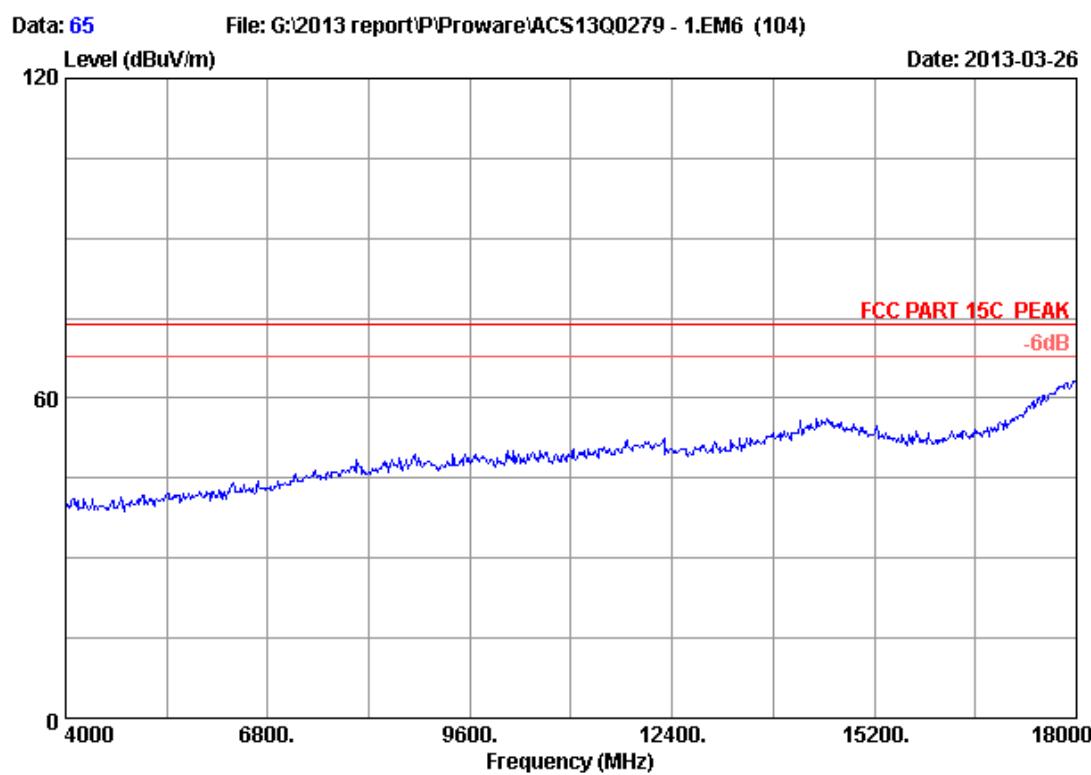


Site no. : 3m Chamber Data no. : 64  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

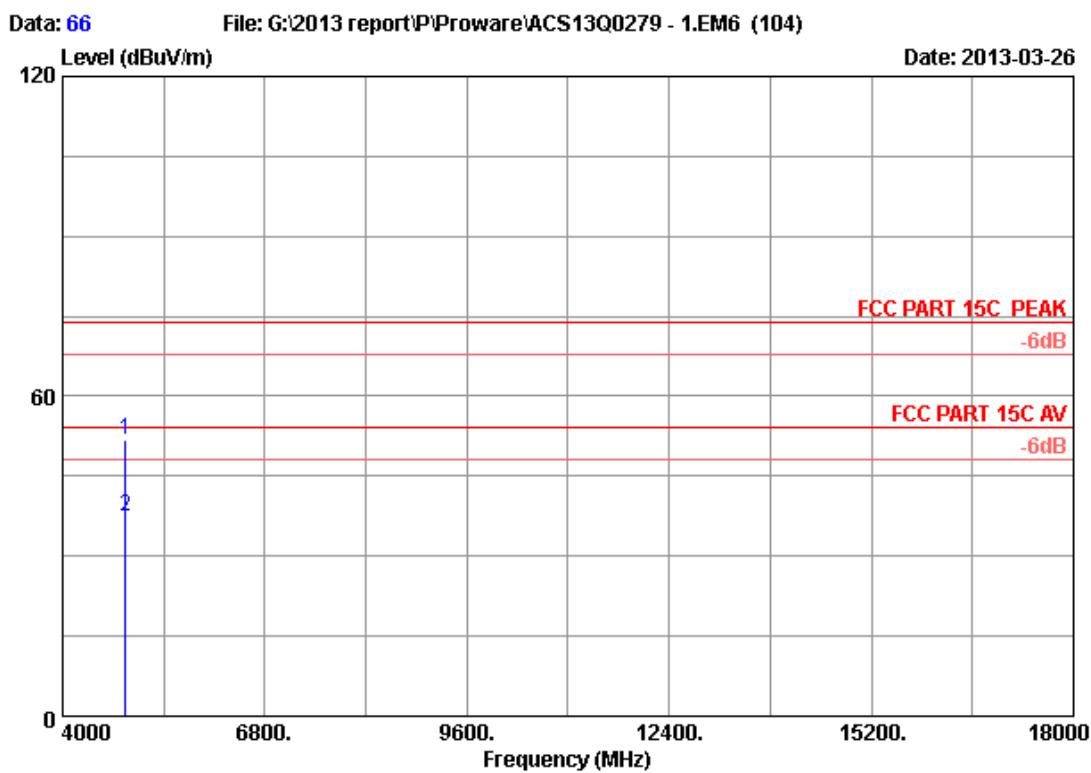
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	104.08	101.24	74.00 -27.24 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 65  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

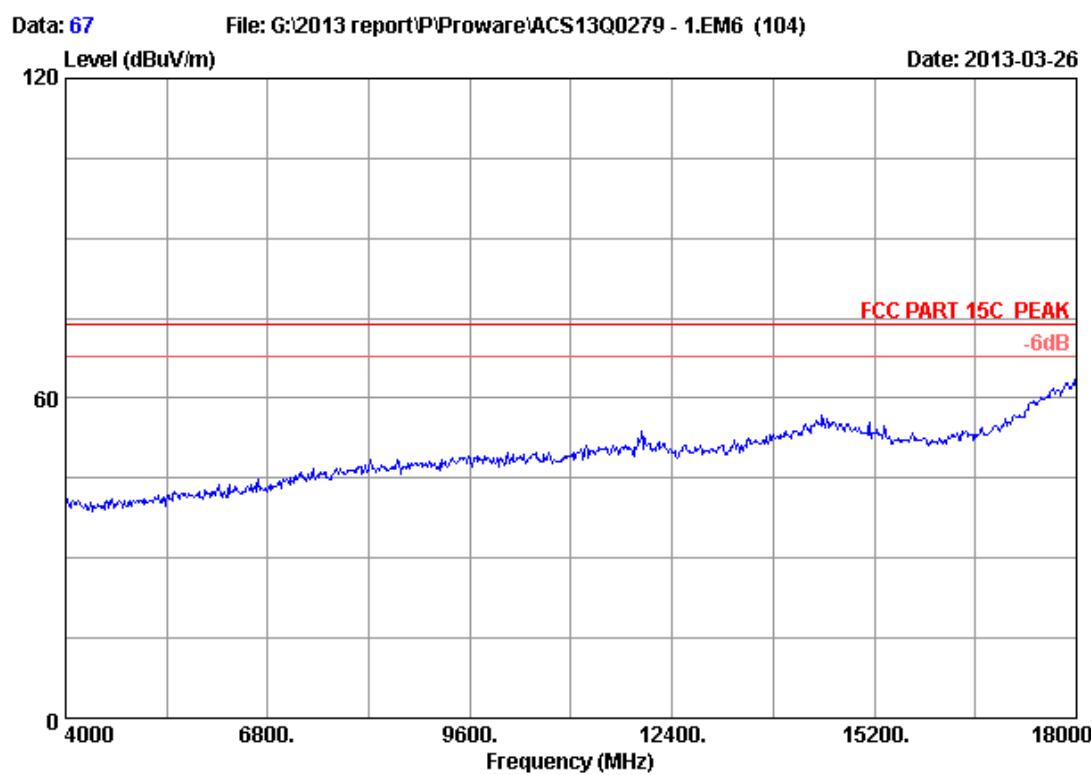


Site no. : 3m Chamber Data no. : 66  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

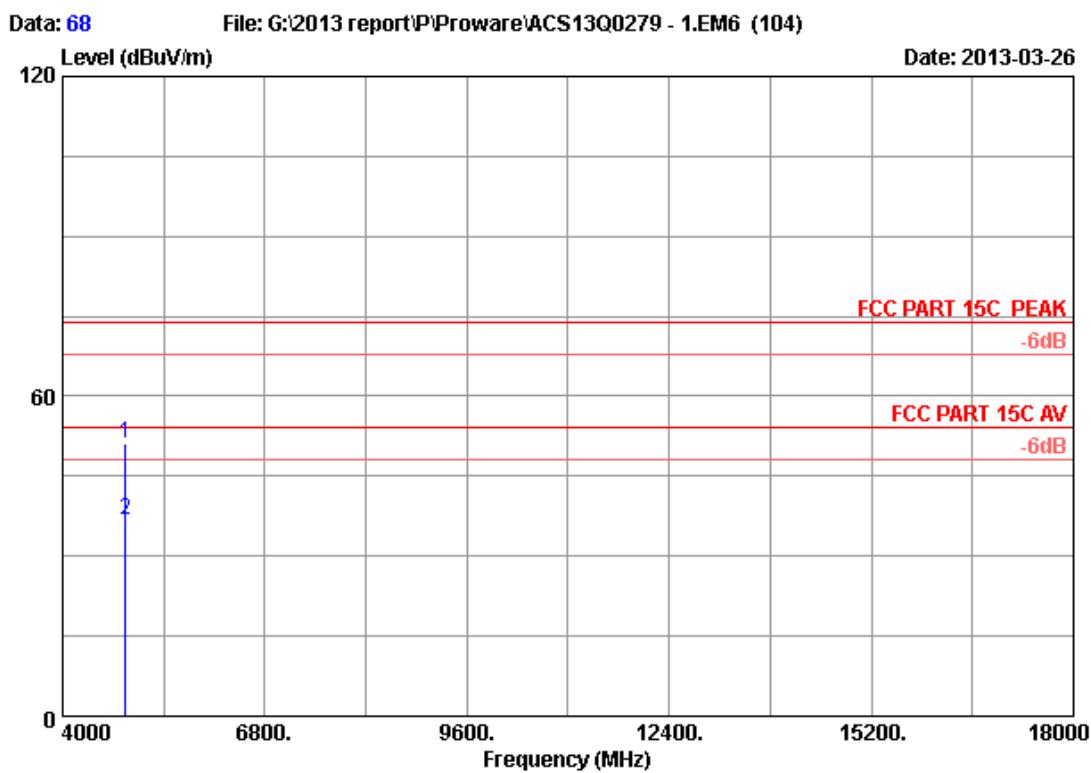
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	46.05	51.71	74.00	22.29 Peak
2	4874.000	32.62	8.73	35.69	31.65	37.31	54.00	16.69 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 67  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

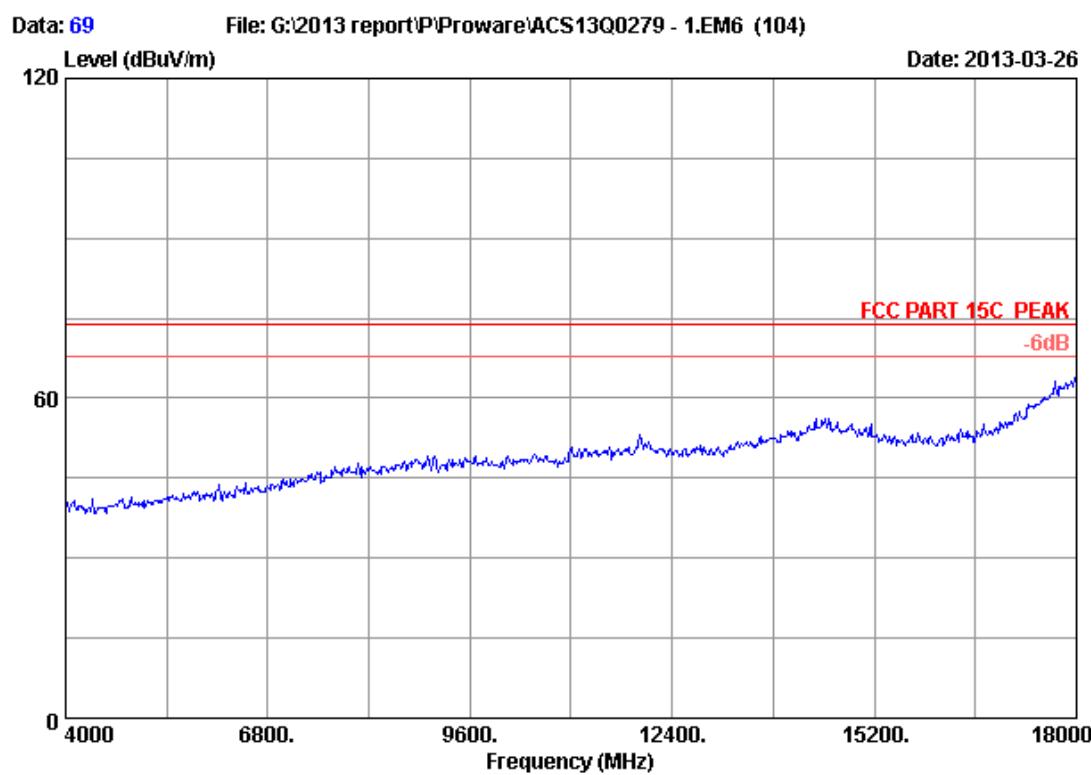


Site no. : 3m Chamber                          Data no. : 68  
 Dis. / Ant. : 3m 2012 3115 (4580)        Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%                        Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH6 2437MHz Tx  
 M/N : PW-MN421  
       : 1120-1300REV

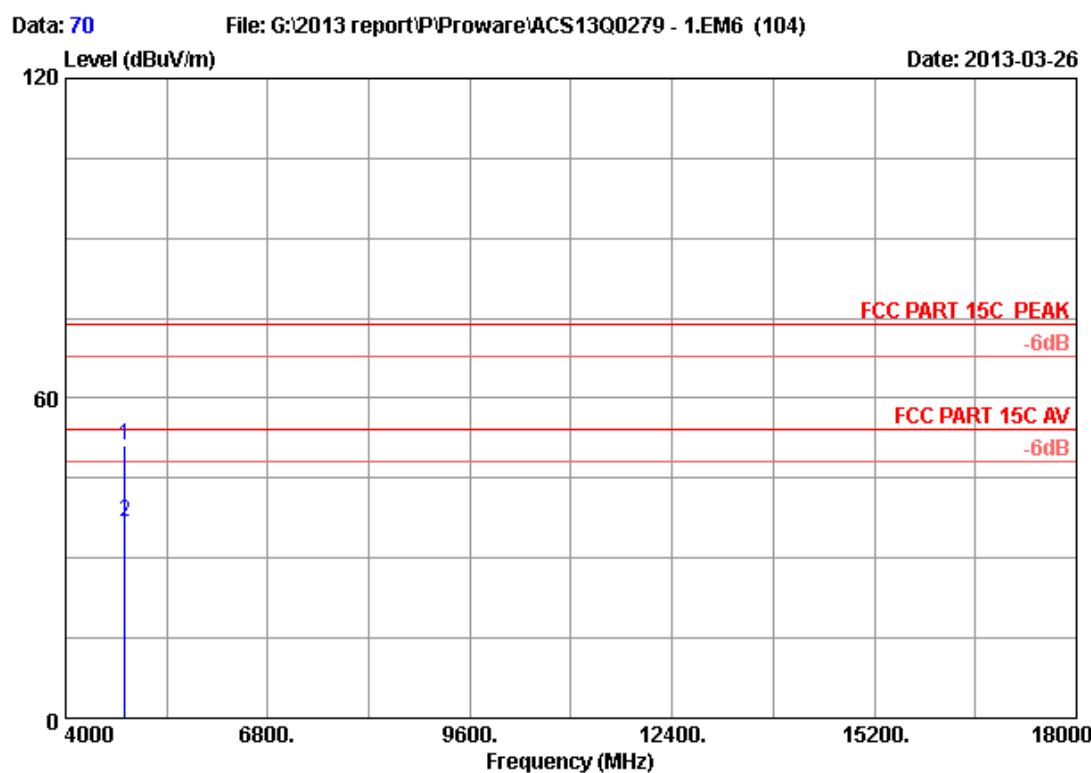
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.56	51.22	74.00	22.78 Peak
2	4874.000	32.62	8.73	35.69	31.04	36.70	54.00	17.30 Average

Remarks:

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



Site no. : 3m Chamber      Data no. : 69  
Dis. / Ant. : 3m 2012 3115 (4580)      Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54%      Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

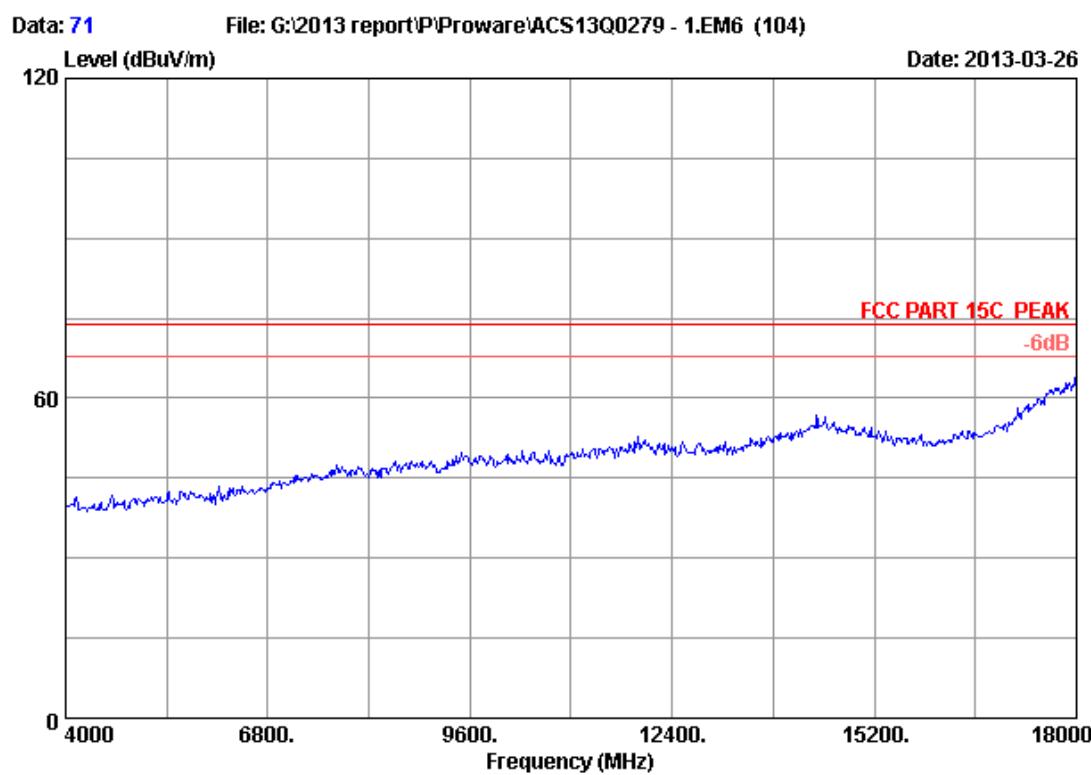


Site no. : 3m Chamber Data no. : 70  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

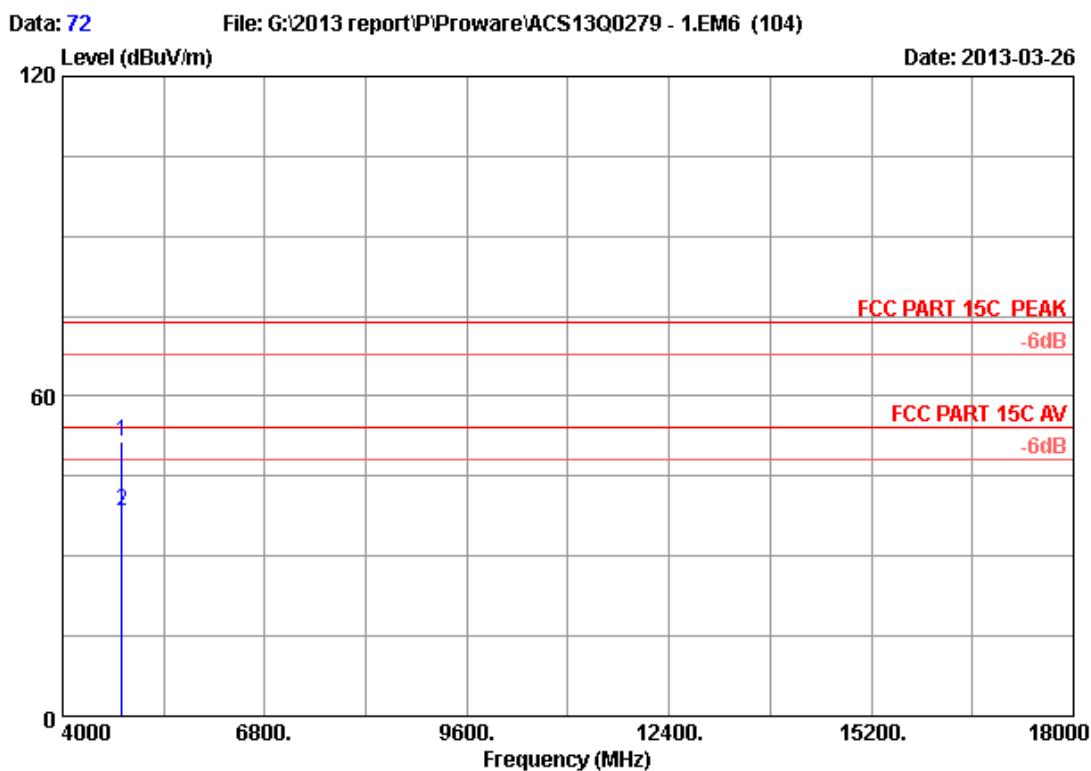
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	45.51	51.00	74.00	23.00 Peak
2	4824.000	32.51	8.69	35.71	31.14	36.63	54.00	17.37 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 71  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

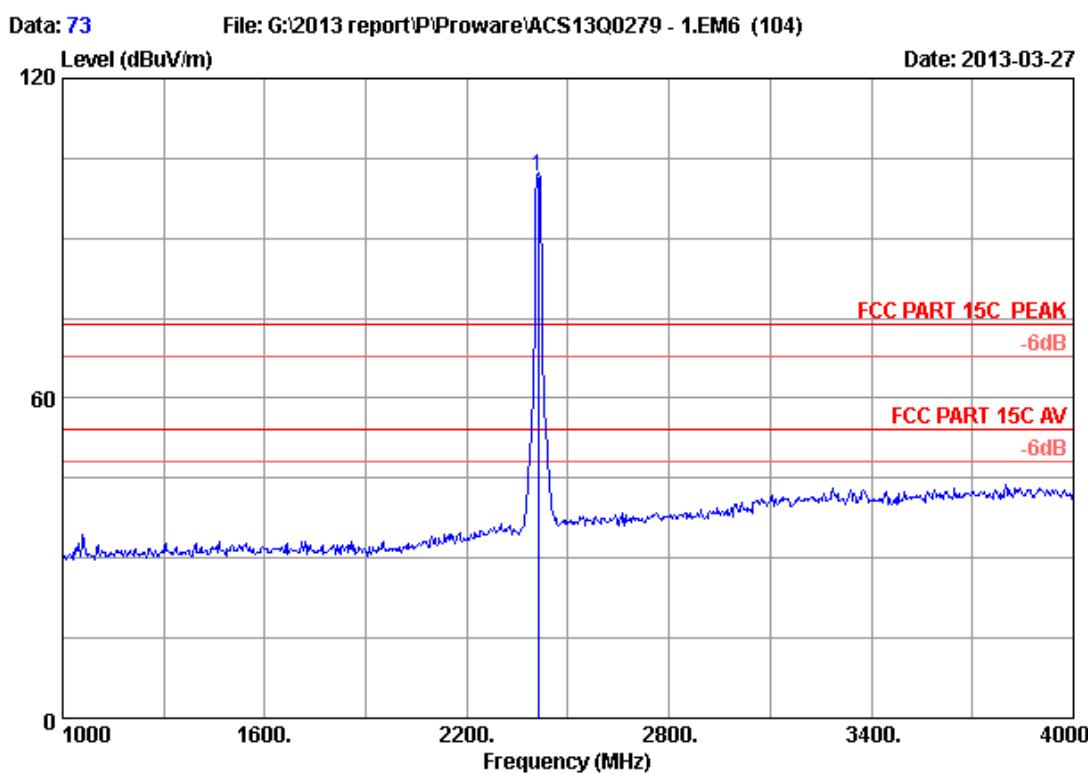


Site no. : 3m Chamber Data no. : 72  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	32.51	8.69	35.71	46.10	51.59	74.00	22.41 Peak
2	4824.000	32.51	8.69	35.71	33.01	38.50	54.00	15.50 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 73  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2412.000	26.84	6.04	35.92	104.67	101.63	74.00 -27.63 Peak

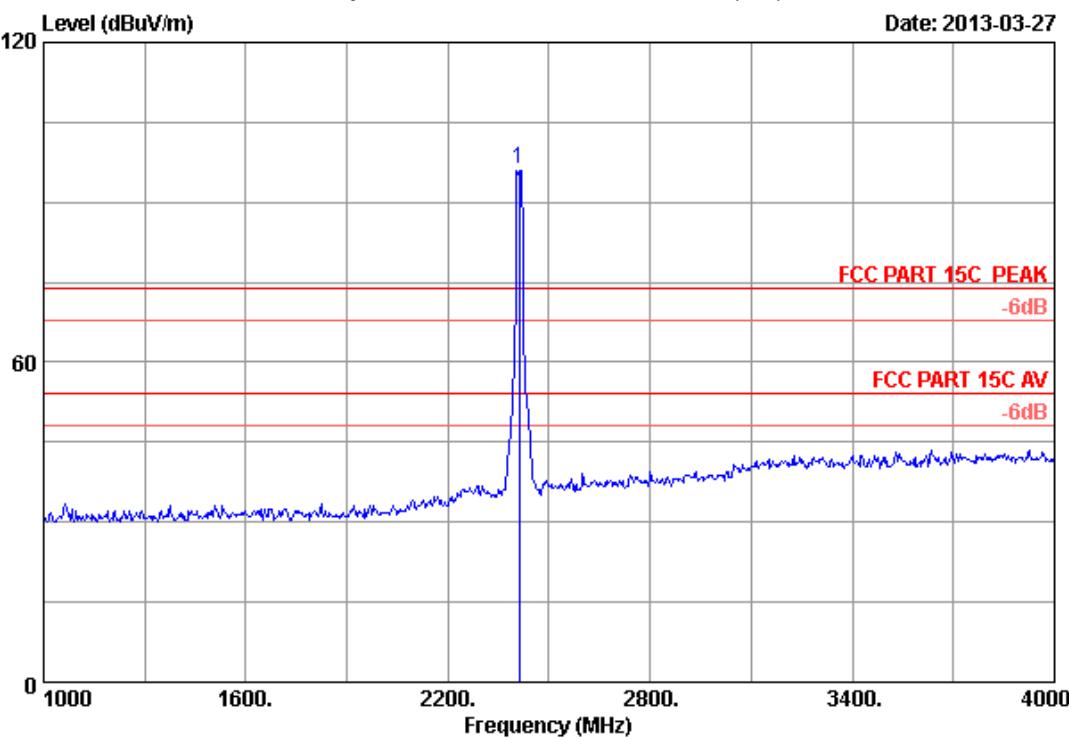
Remarks:

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

Data: 74

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27

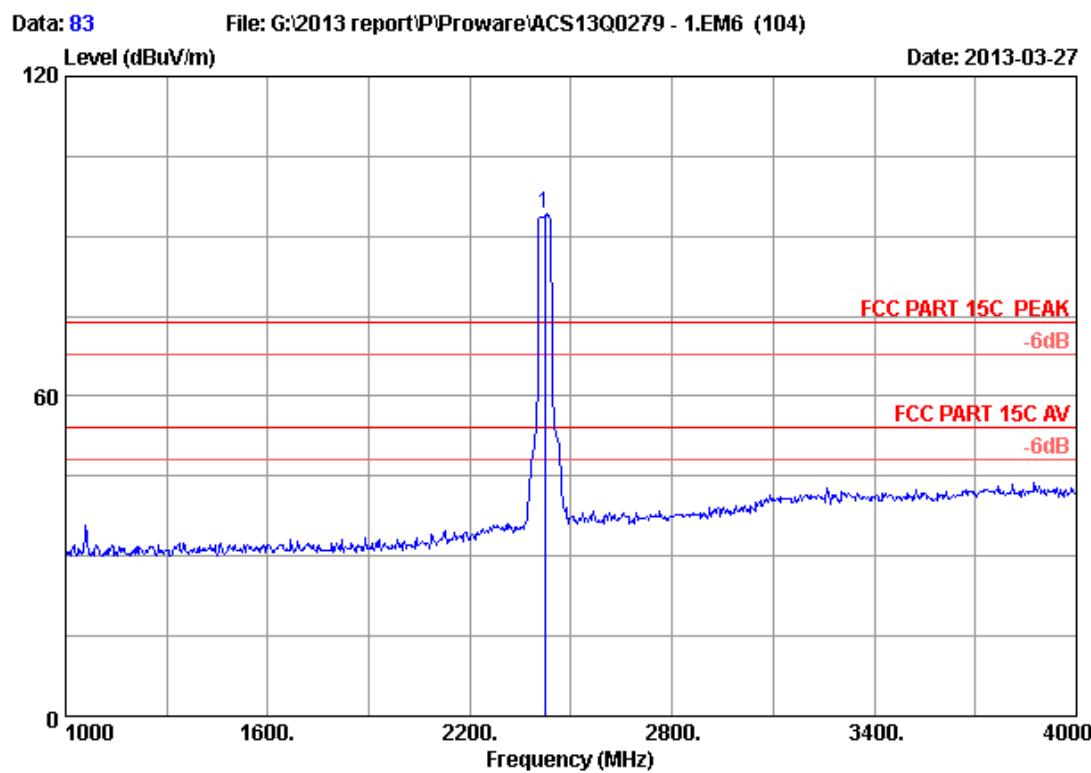


Site no. : 3m Chamber Data no. : 74  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>uV</sub> )	(dB <sub>uV/m</sub> )	(dB <sub>uV/m</sub> )	(dB)
1	2412.000	26.84	6.04	35.92	99.18	96.14	74.00 -22.14 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 83  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2422.000	26.90	6.05	35.92	97.25	94.28	74.00	-20.28 Peak

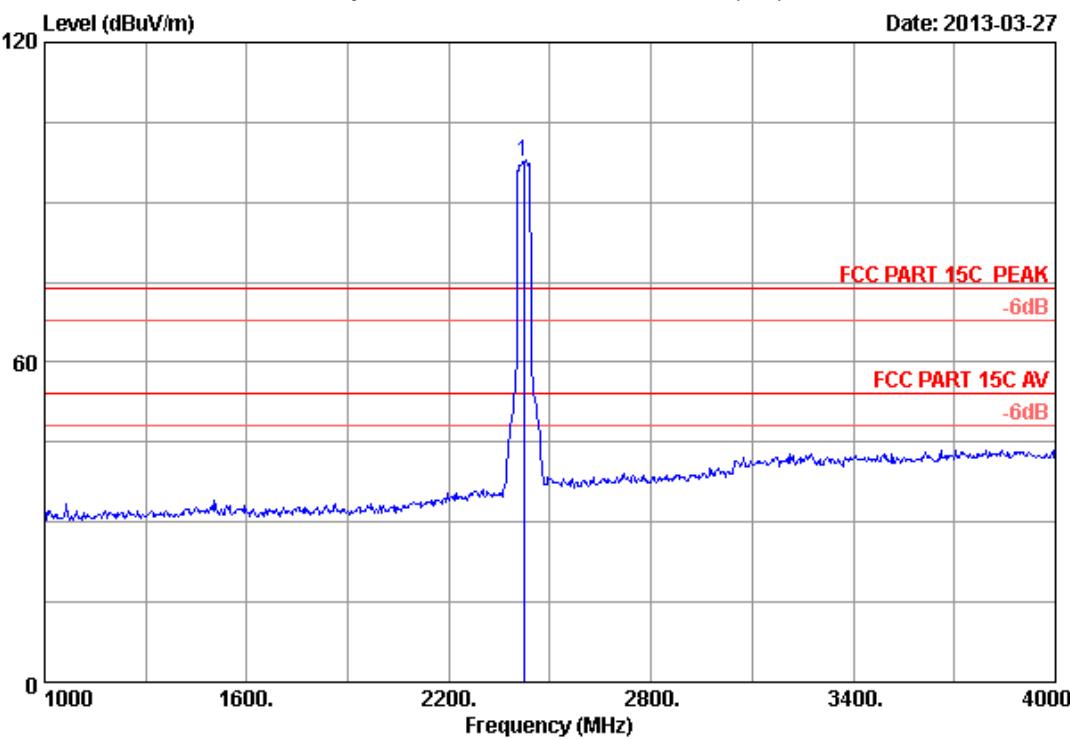
Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

Data: 84

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27

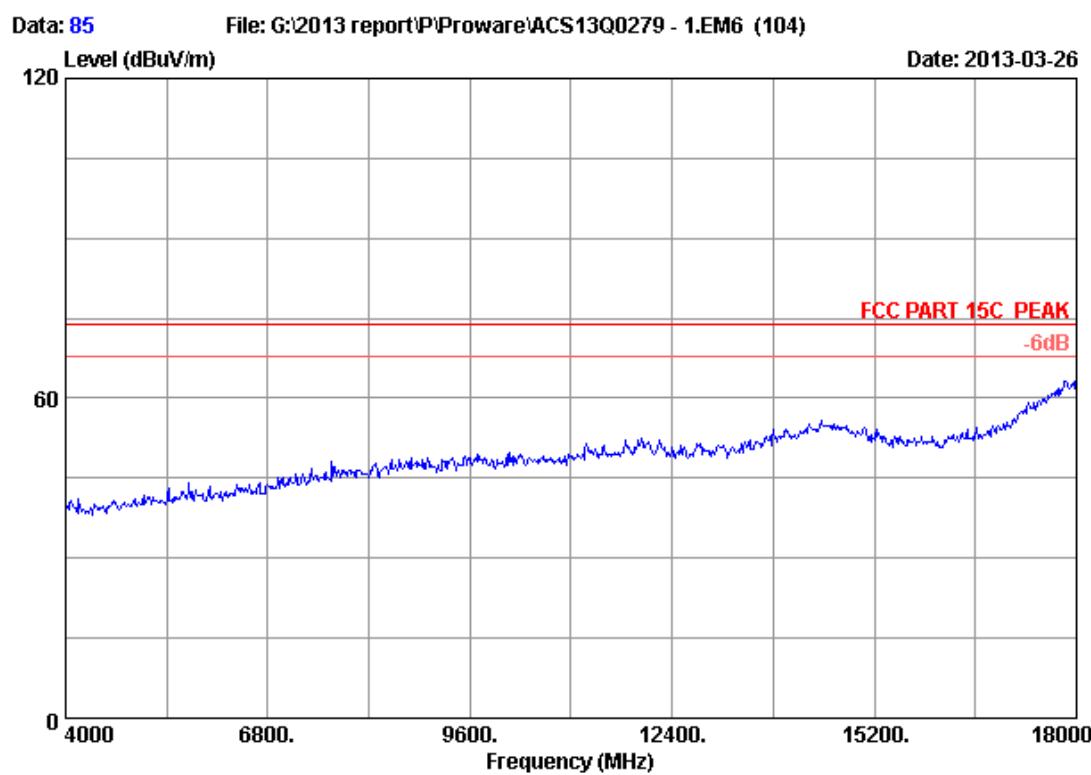


Site no. : 3m Chamber Data no. : 84  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2422.000	26.90	6.05	35.92	100.41	97.44	74.00 -23.44 Peak

## Remarks:

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

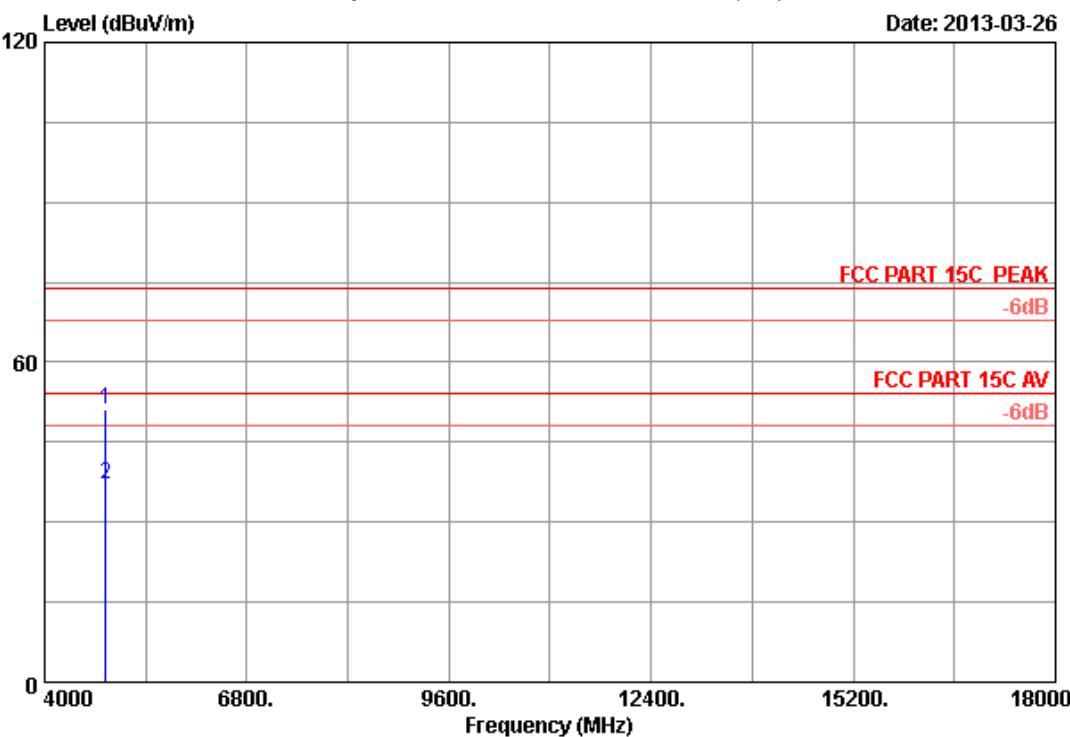


Site no. : 3m Chamber Data no. : 85  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Data: 86

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26

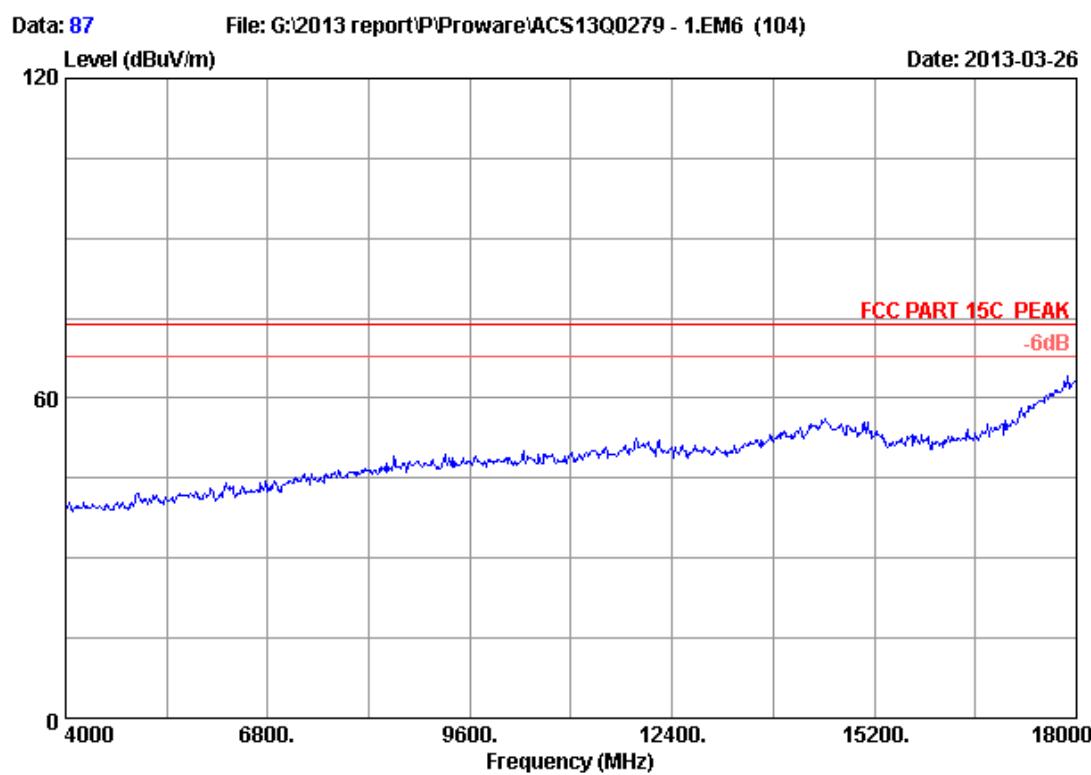


Site no. : 3m Chamber Data no. : 86  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

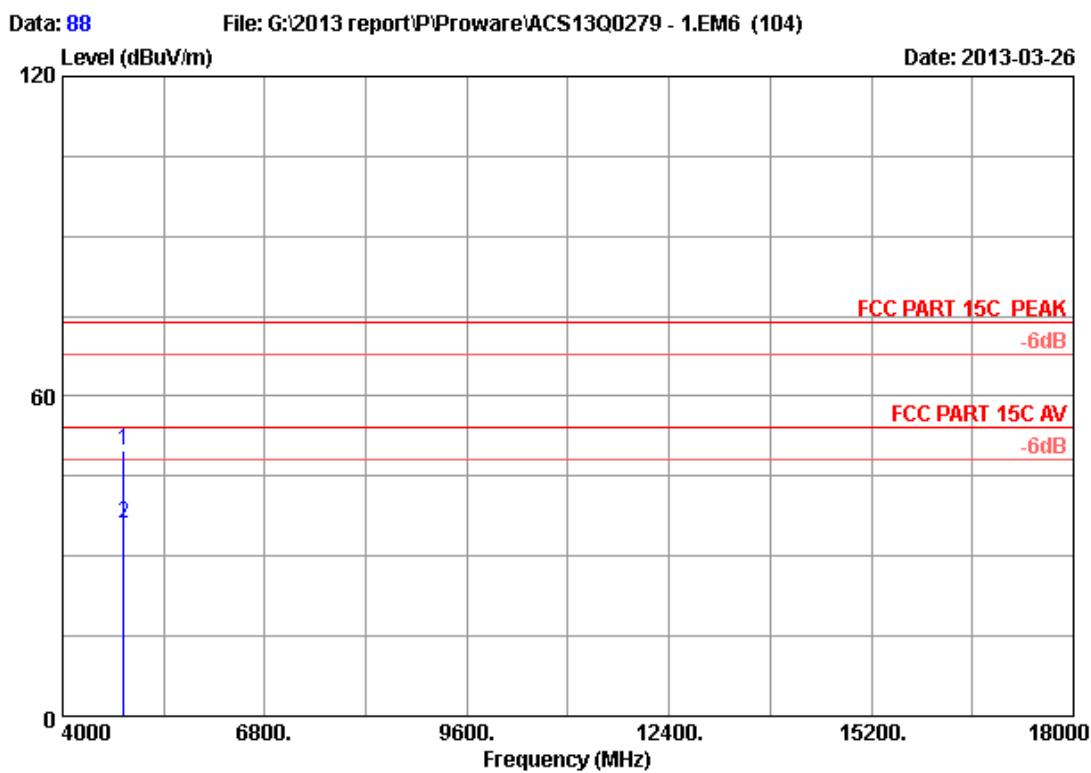
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	4844.000	32.56	8.70	35.70	45.51	51.07	74.00	22.93 Peak
2	4844.000	32.56	8.70	35.70	31.41	36.97	54.00	17.03 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 87  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber                          Data no. : 88  
 Dis. / Ant. : 3m 2012 3115 (4580)        Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54%                         Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
       : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4844.000	32.56	8.70	35.70	44.38	49.94	74.00	24.06 Peak
2	4844.000	32.56	8.70	35.70	30.51	36.07	54.00	17.93 Average

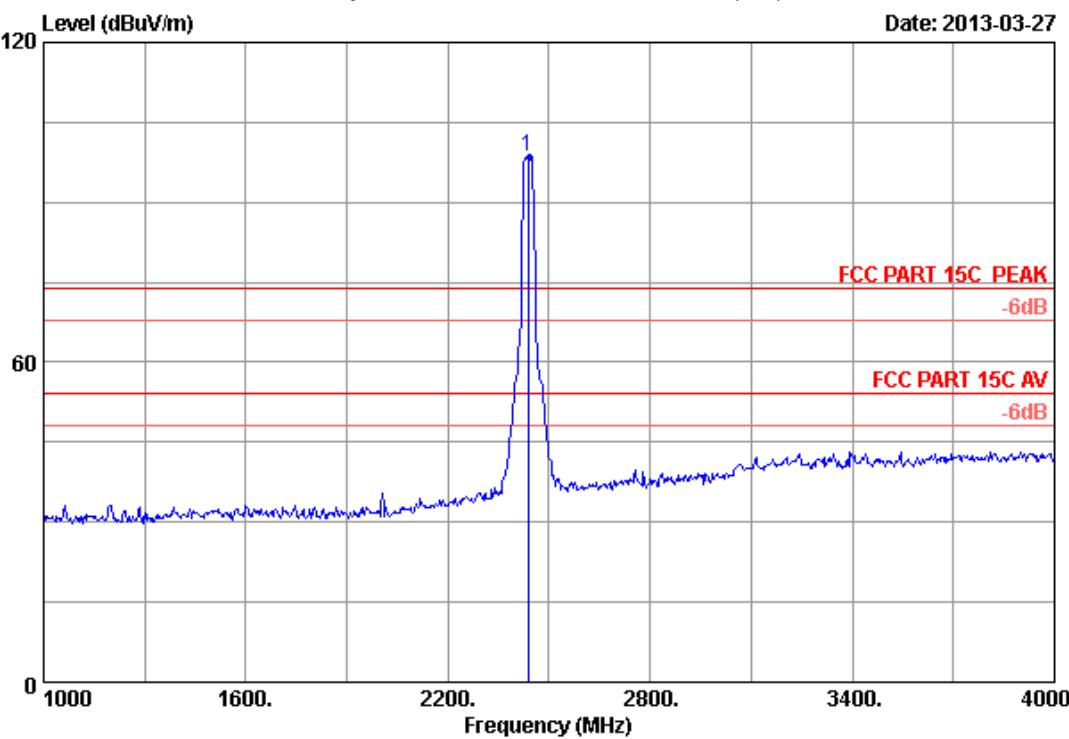
Remarks:

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

Data: 89

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27

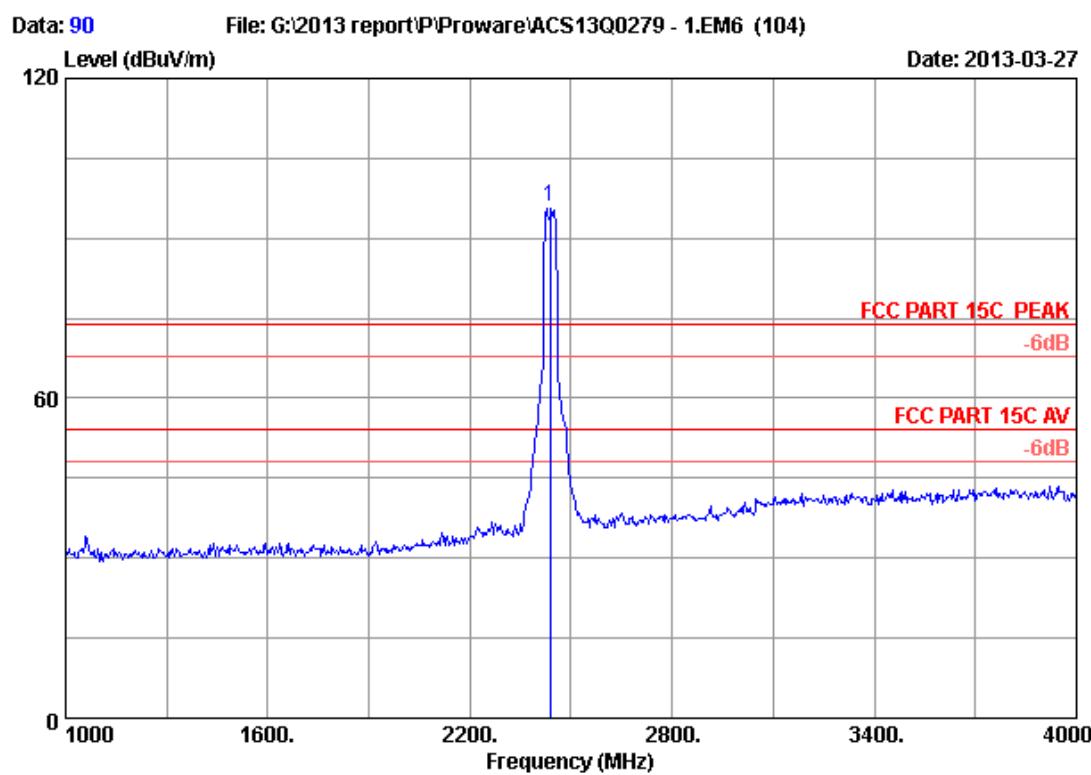


Site no. : 3m Chamber Data no. : 89  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2437.000	27.00	6.08	35.92	101.52	98.68	74.00 -24.68 Peak

## Remarks:

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

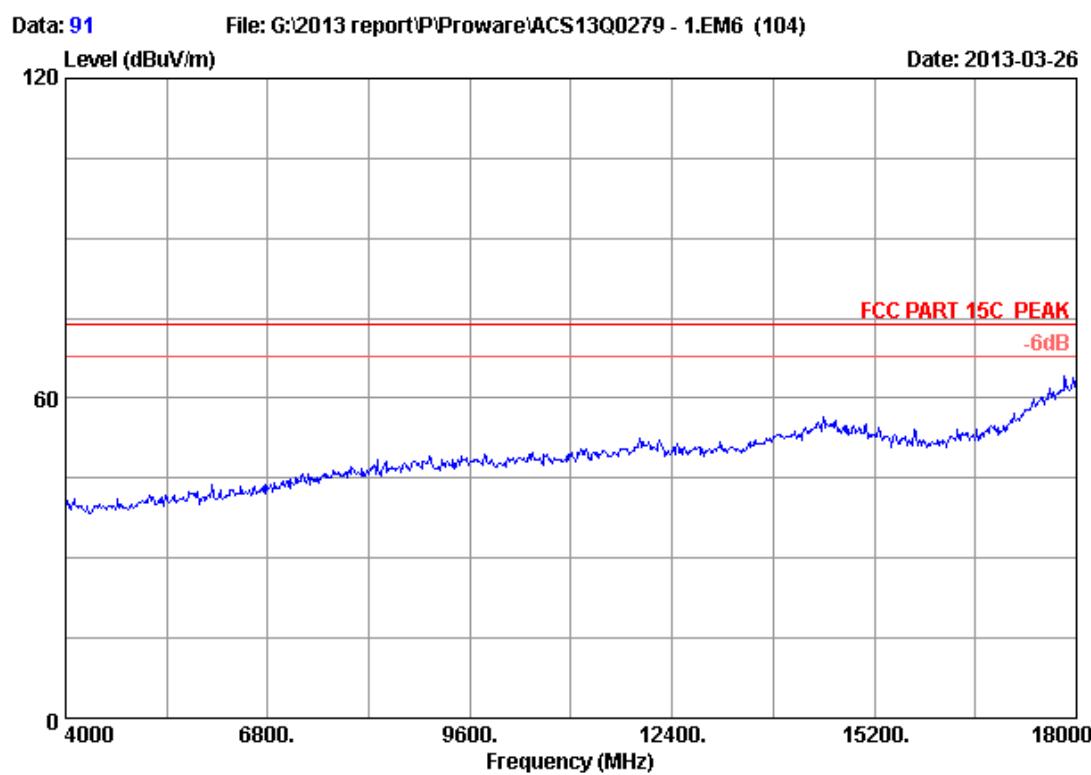


Site no. : 3m Chamber Data no. : 90  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 2437.000	27.00	6.08	35.92	98.87	96.03	74.00	-22.03 Peak

## Remarks:

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

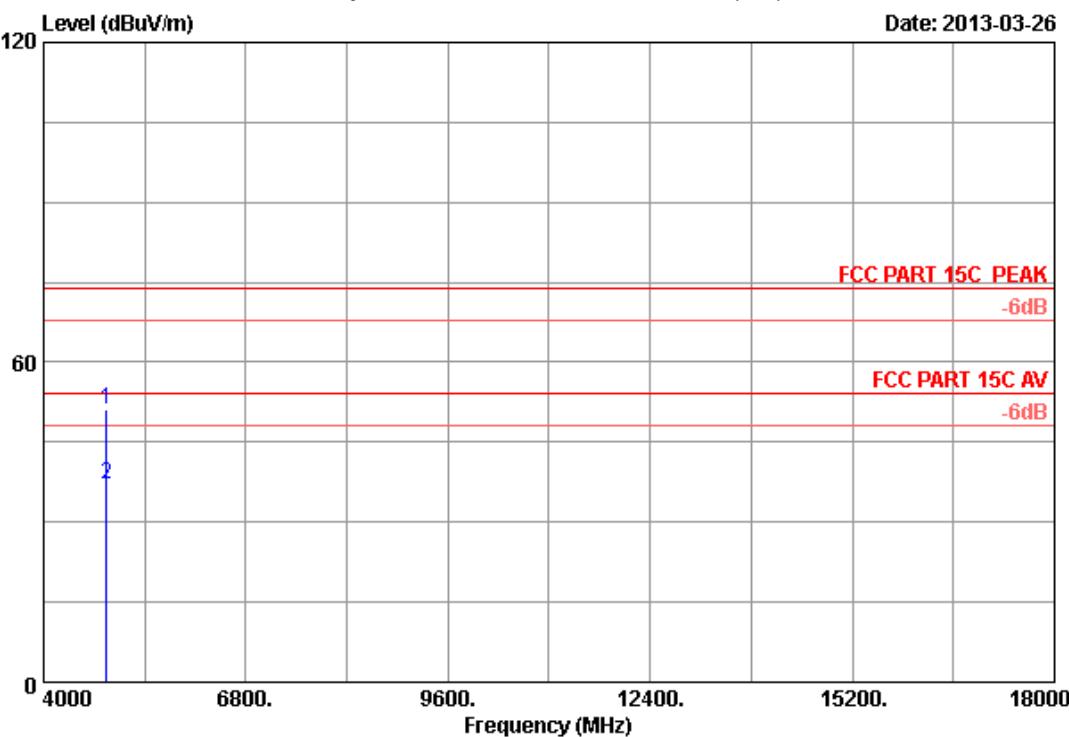


Site no. : 3m Chamber Data no. : 91  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Data: 92

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26

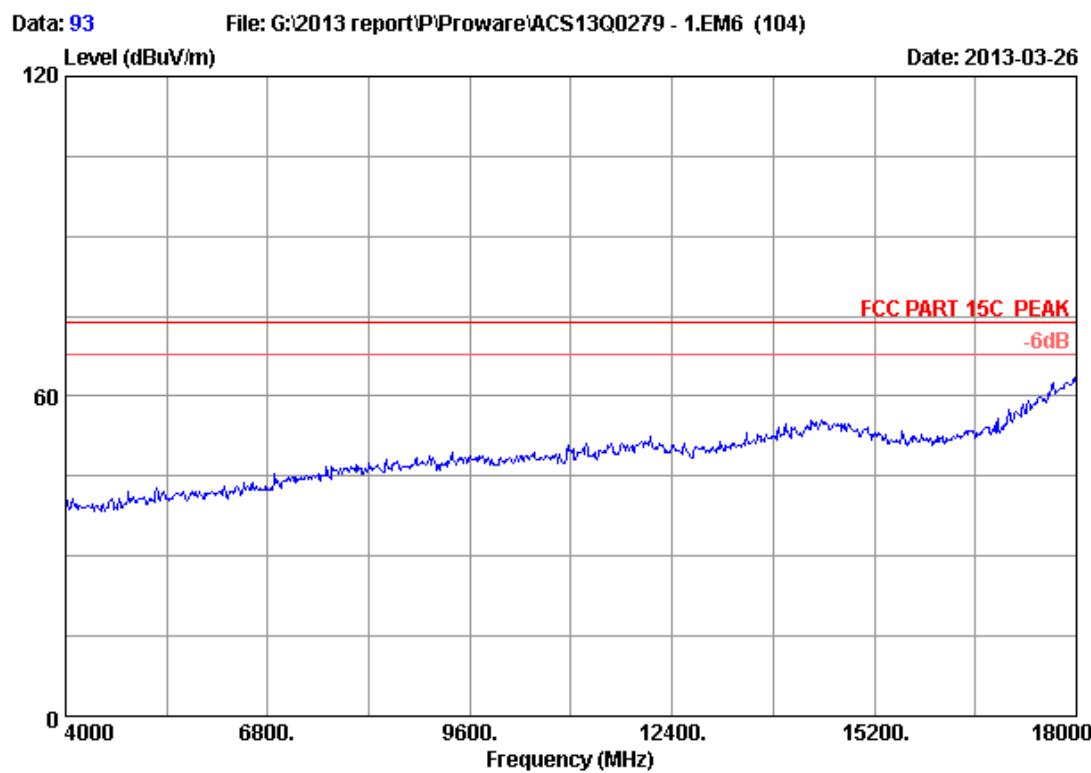


Site no. : 3m Chamber Data no. : 92  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

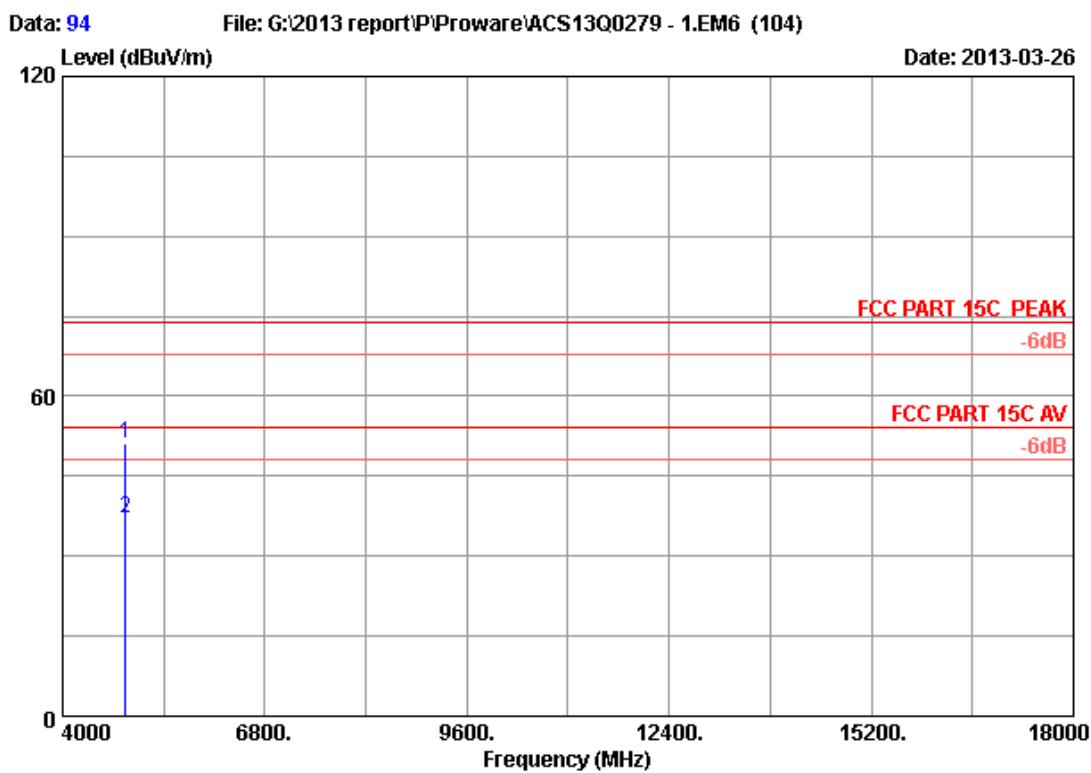
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.56	51.22	74.00	22.78 Peak
2	4874.000	32.62	8.73	35.69	31.45	37.11	54.00	16.89 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 93  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 94  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH4 2437MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	32.62	8.73	35.69	45.56	51.22	74.00	22.78 Peak
2	4874.000	32.62	8.73	35.69	31.52	37.18	54.00	16.82 Average

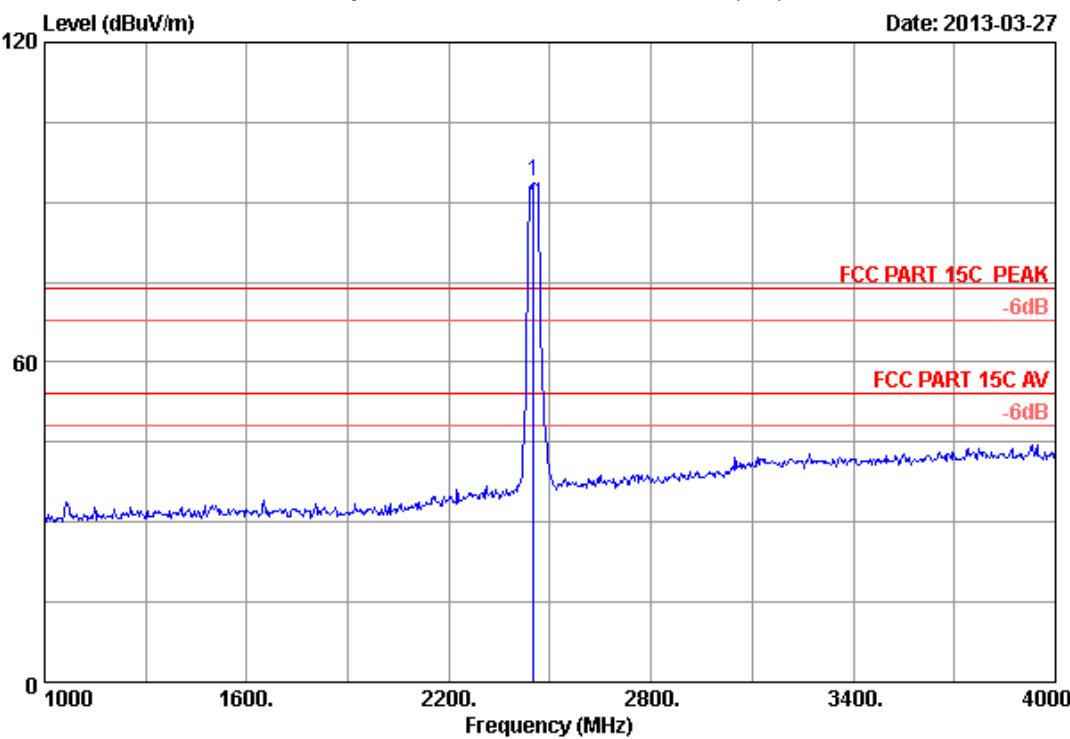
Remarks:

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

Data: 95

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 95  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>uV</sub> )	(dB <sub>uV/m</sub> )	(dB <sub>uV/m</sub> )	(dB)
1	2452.000	27.09	6.11	35.92	96.68	93.96	74.00 -19.96 Peak

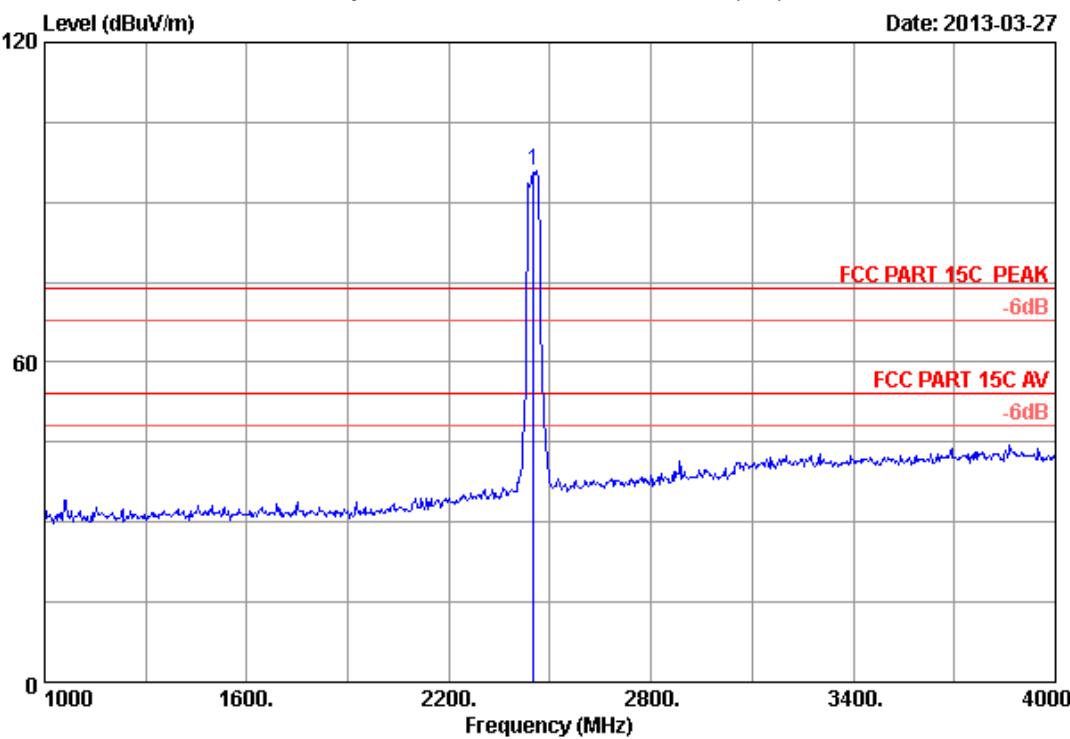
## Remarks:

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

Data: 96

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27

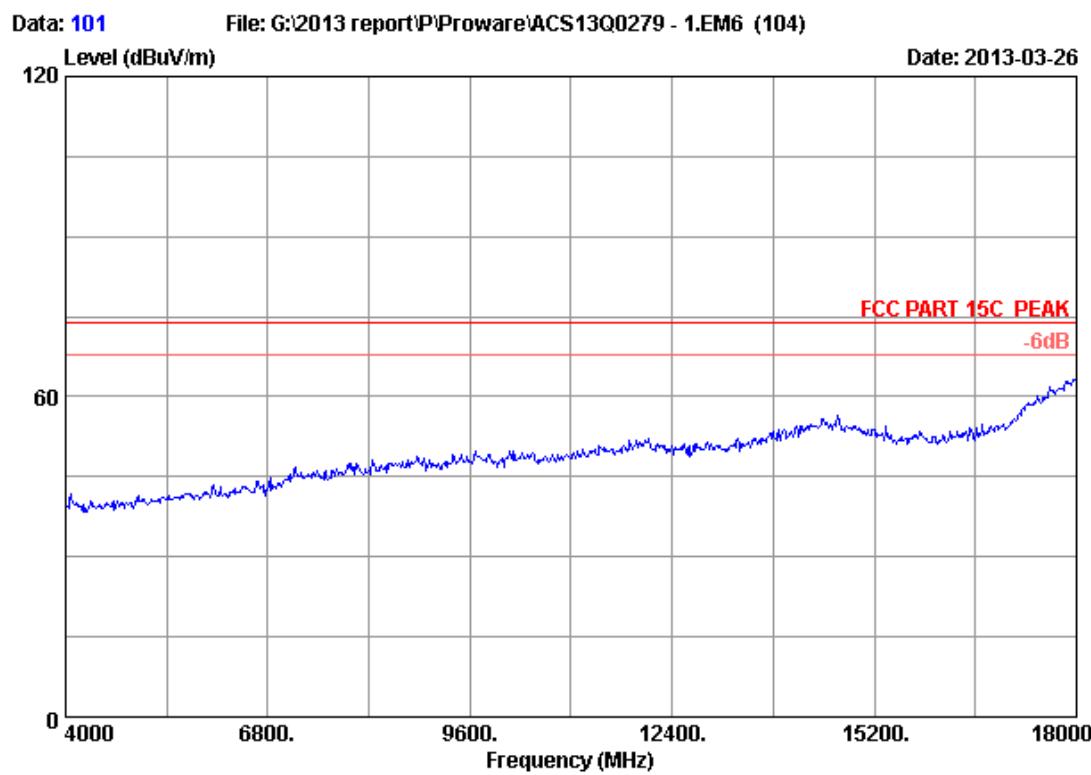


Site no. : 3m Chamber Data no. : 96  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

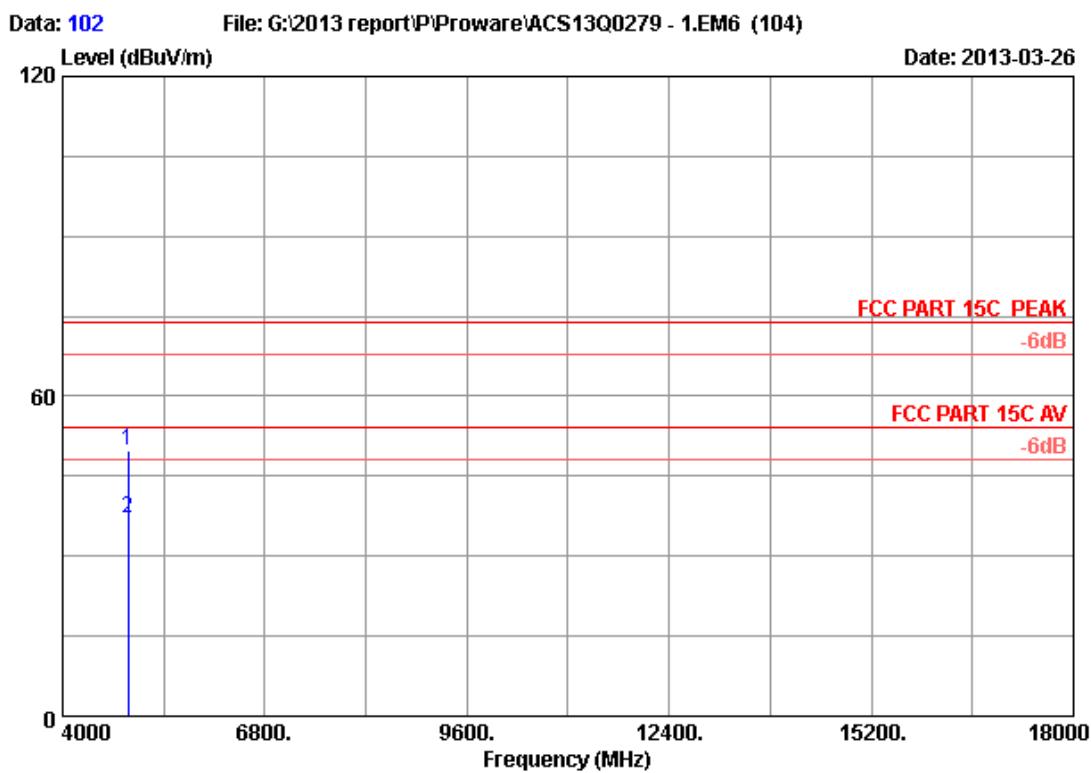
	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)
1	2452.000	27.09	6.11	35.92	98.54	95.82	74.00 -21.82 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 101  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

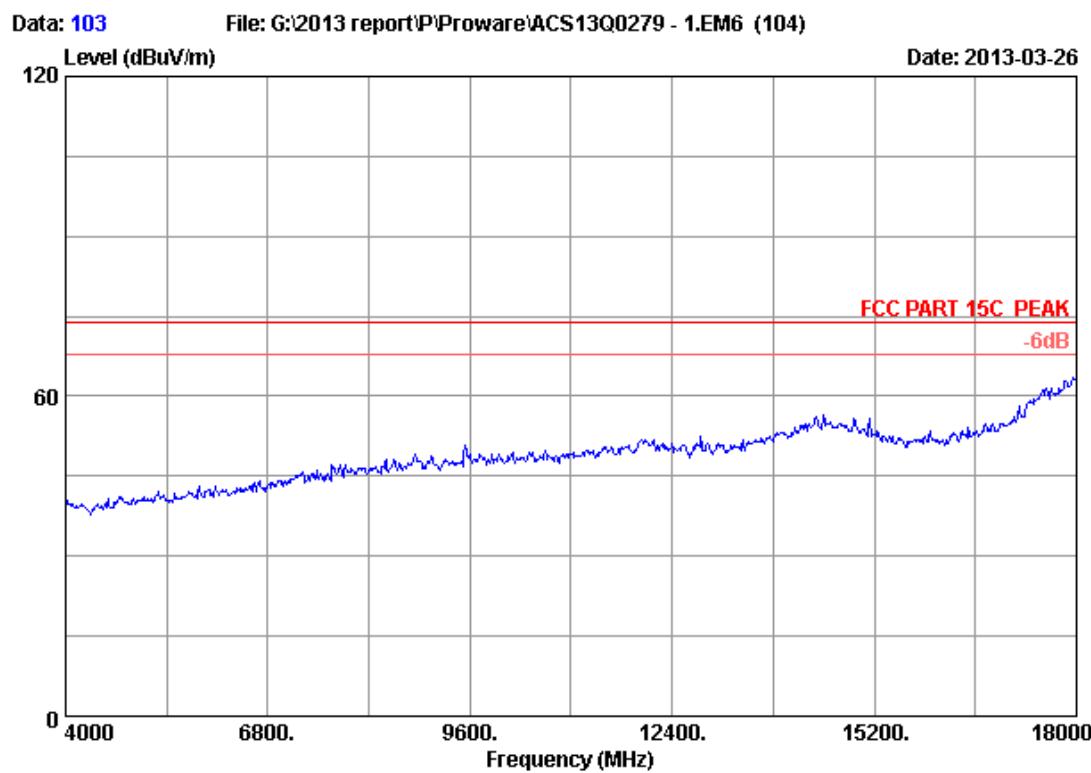


Site no. : 3m Chamber Data no. : 102  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

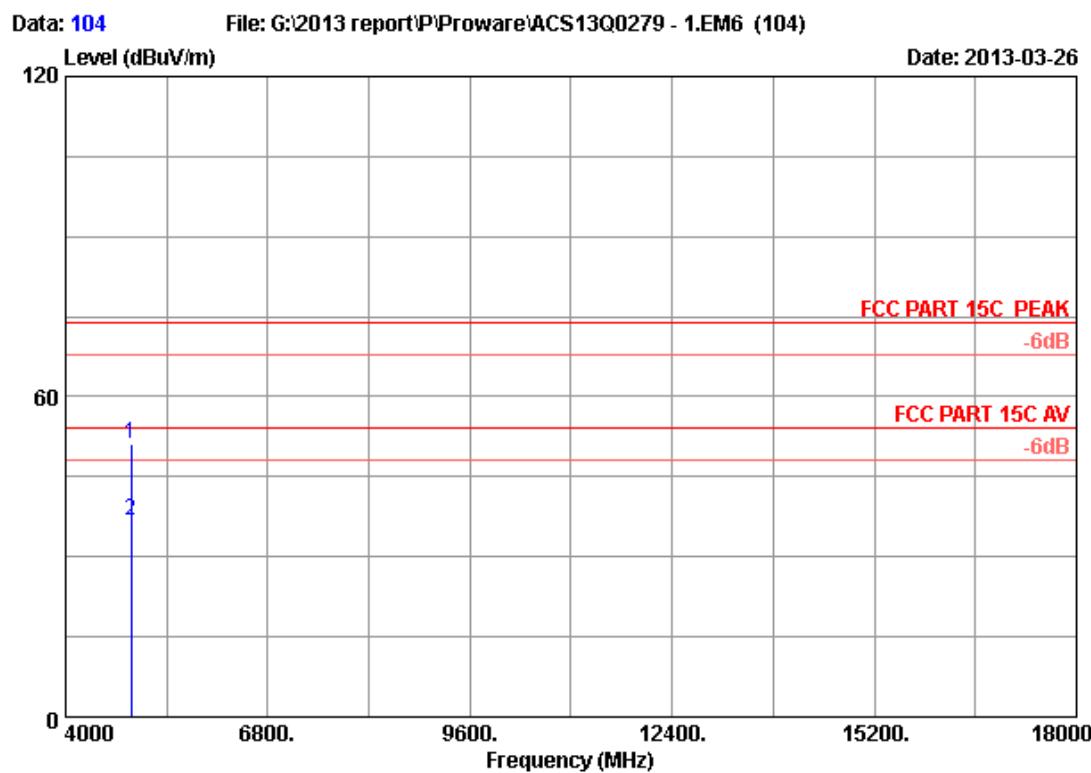
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4904.000	32.69	8.76	35.68	43.91	49.68	74.00	24.32 Peak
2	4904.000	32.69	8.76	35.68	31.20	36.97	54.00	17.03 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 103  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV



Site no. : 3m Chamber Data no. : 104  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4904.000	32.69	8.76	35.68	45.44	51.21	74.00	22.79 Peak
2	4904.000	32.69	8.76	35.68	31.14	36.91	54.00	17.09 Average

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

## 5. CONDUCTED SPURIOUS EMISSIONS

### 5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1 Year

### 5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

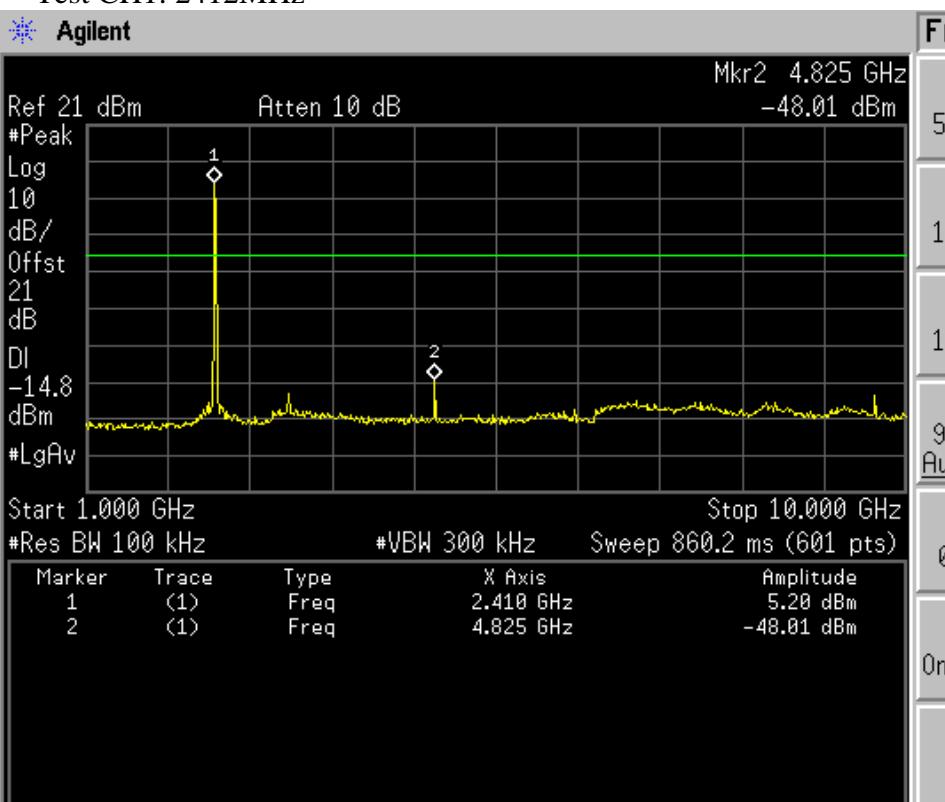
### 5.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

### 5.4. Test result

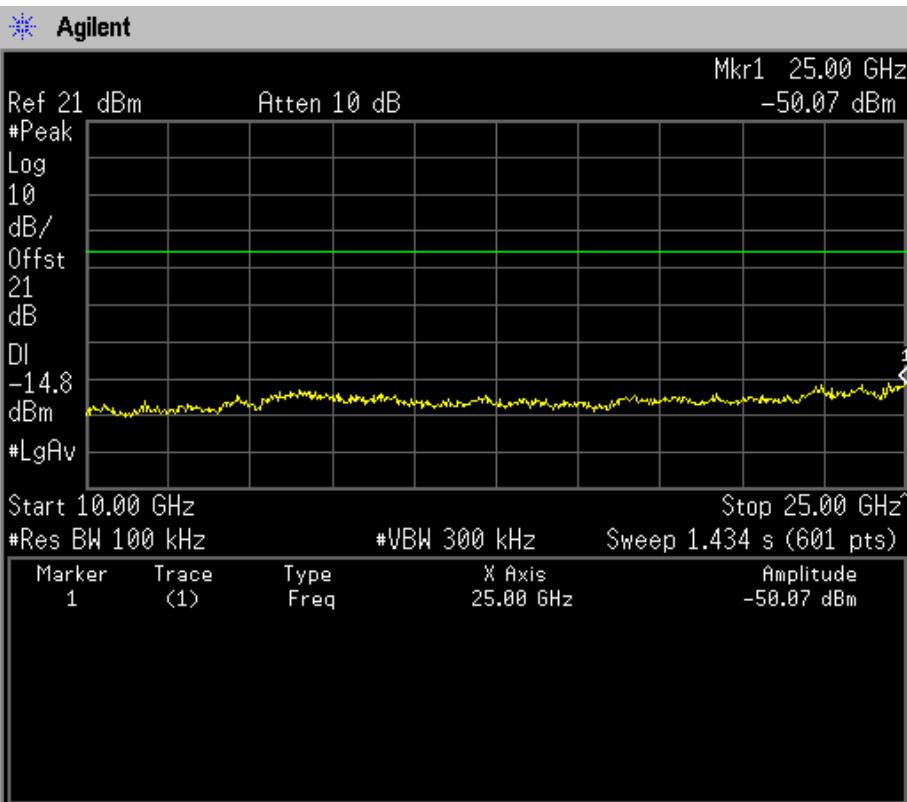
**PASS** (The testing data was attached in the next pages.)

Test CH1: 2412MHz



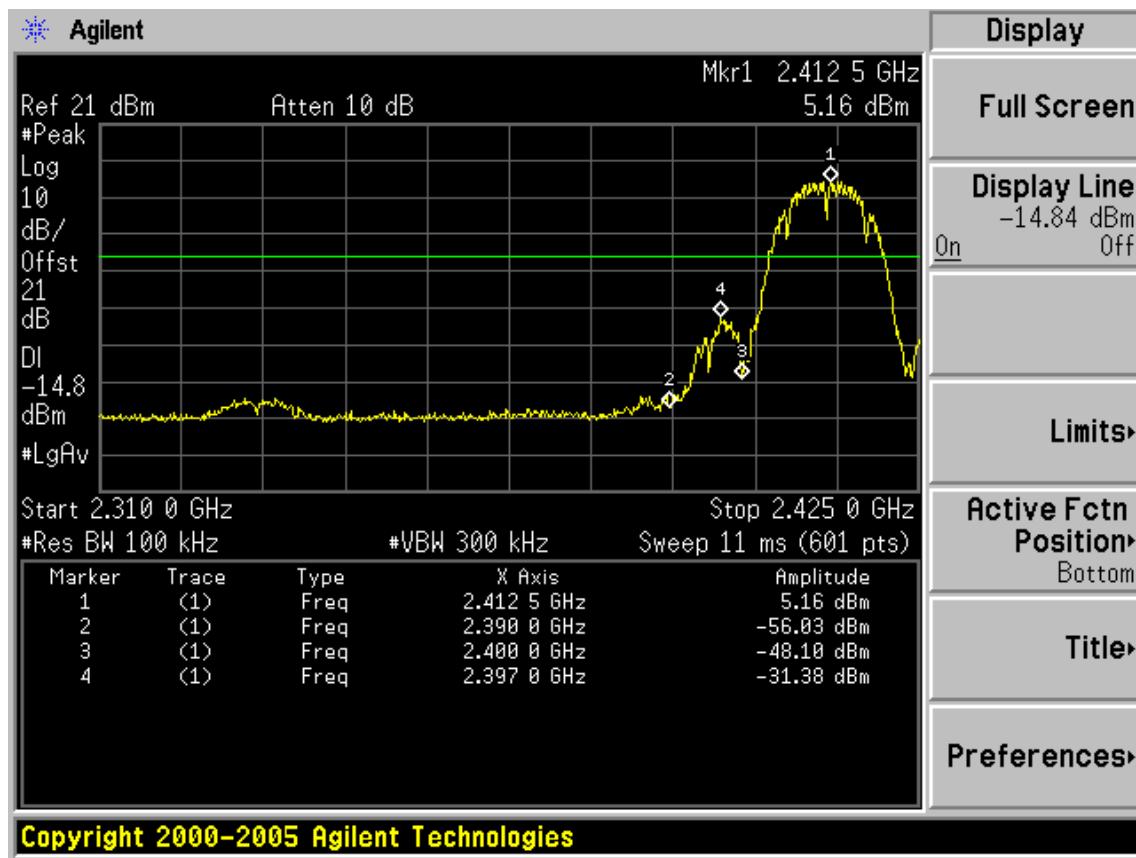
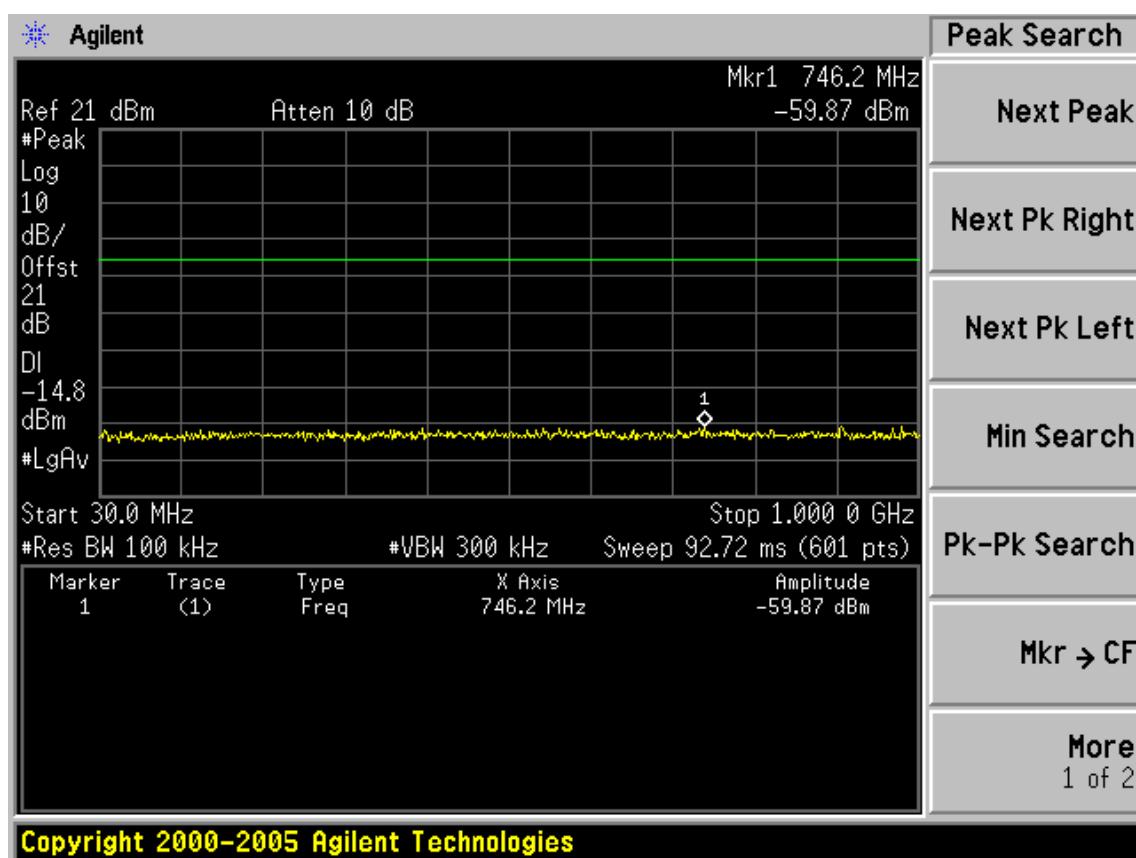
<b>Freq/Channel</b>
Center Freq 5.500000000 GHz
Start Freq 1.000000000 GHz
Stop Freq 10.000000000 GHz
CF Step 900.0000000 MHz Auto Man
<b>Freq Offset</b> 0.000000000 Hz
Signal Track On Off

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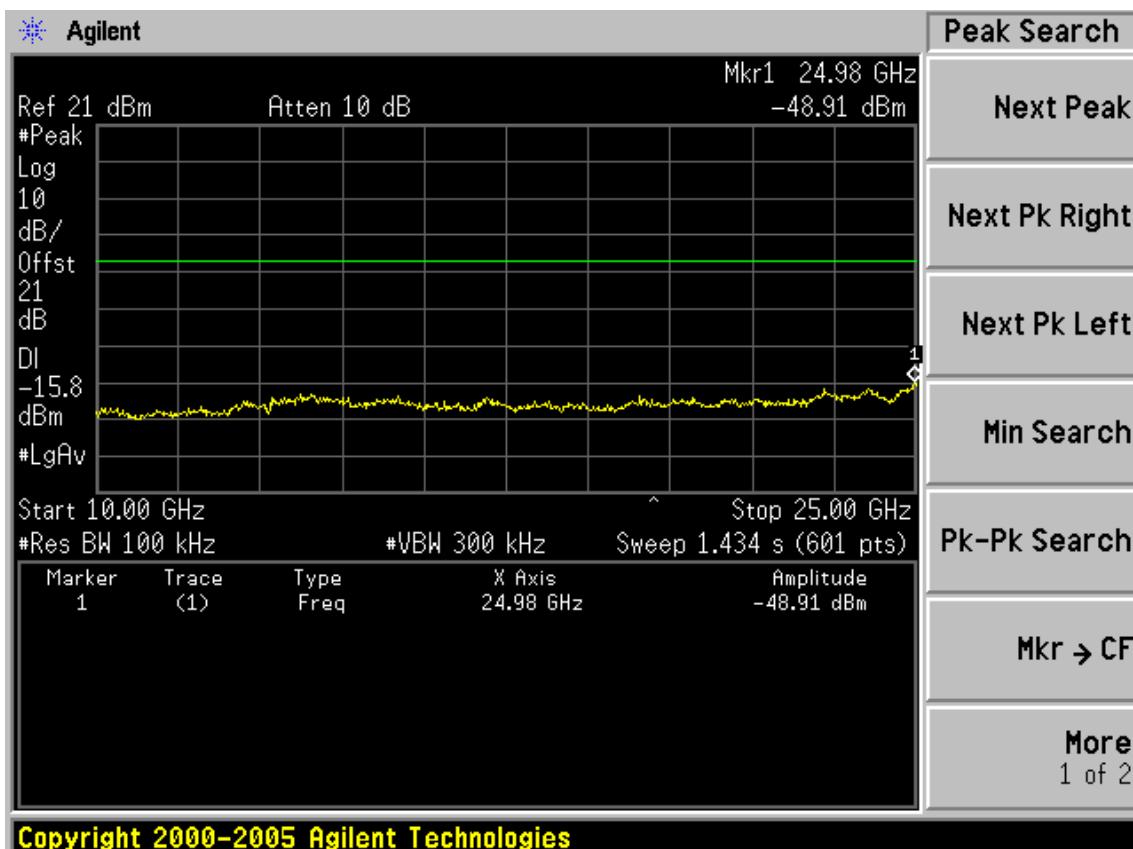
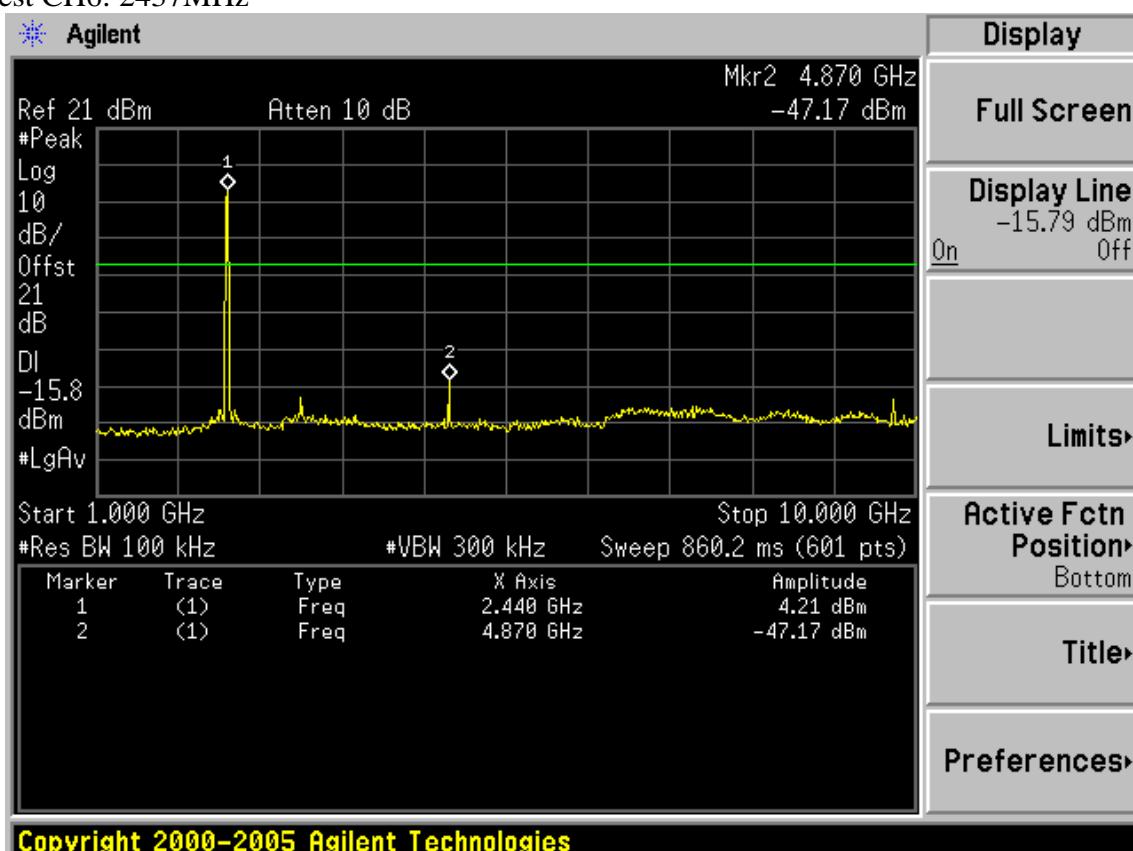


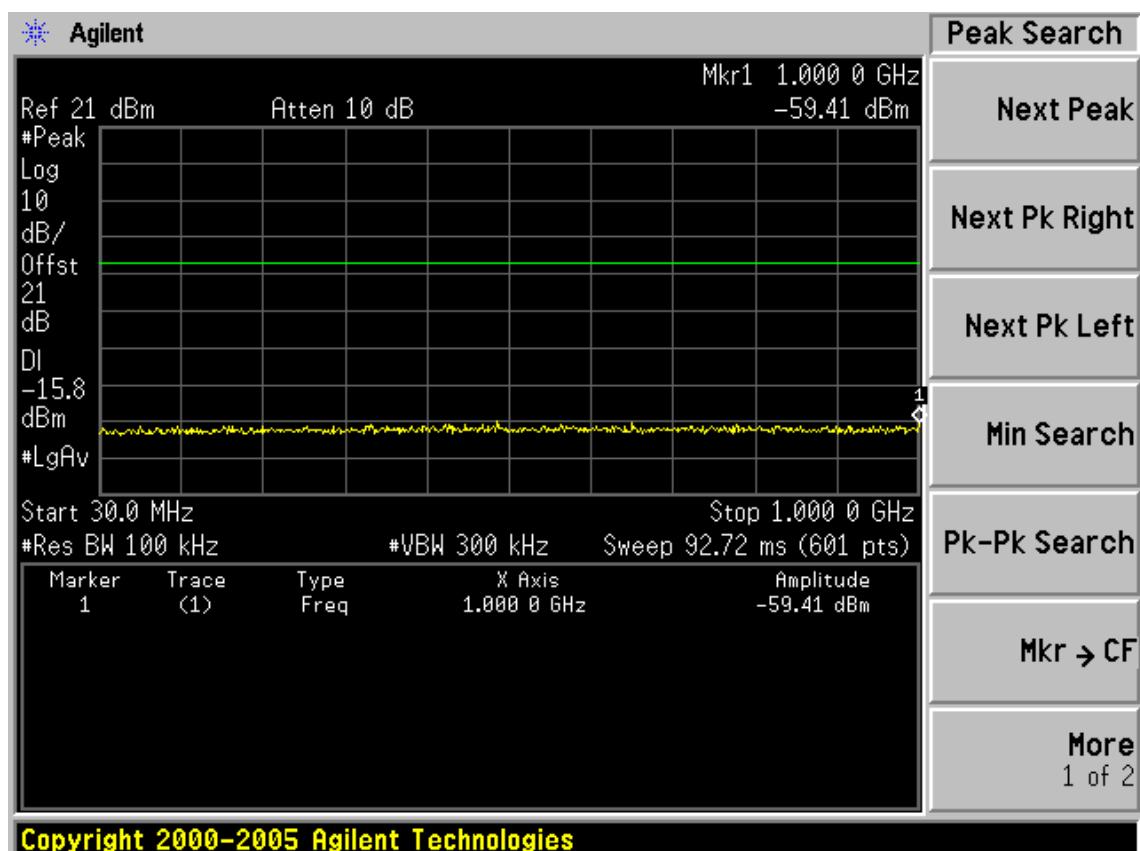
<b>Peak Search</b>
Next Peak
Next Pk Right
Next Pk Left
Min Search
<b>Pk-Pk Search</b>
Mkr → CF
More 1 of 2

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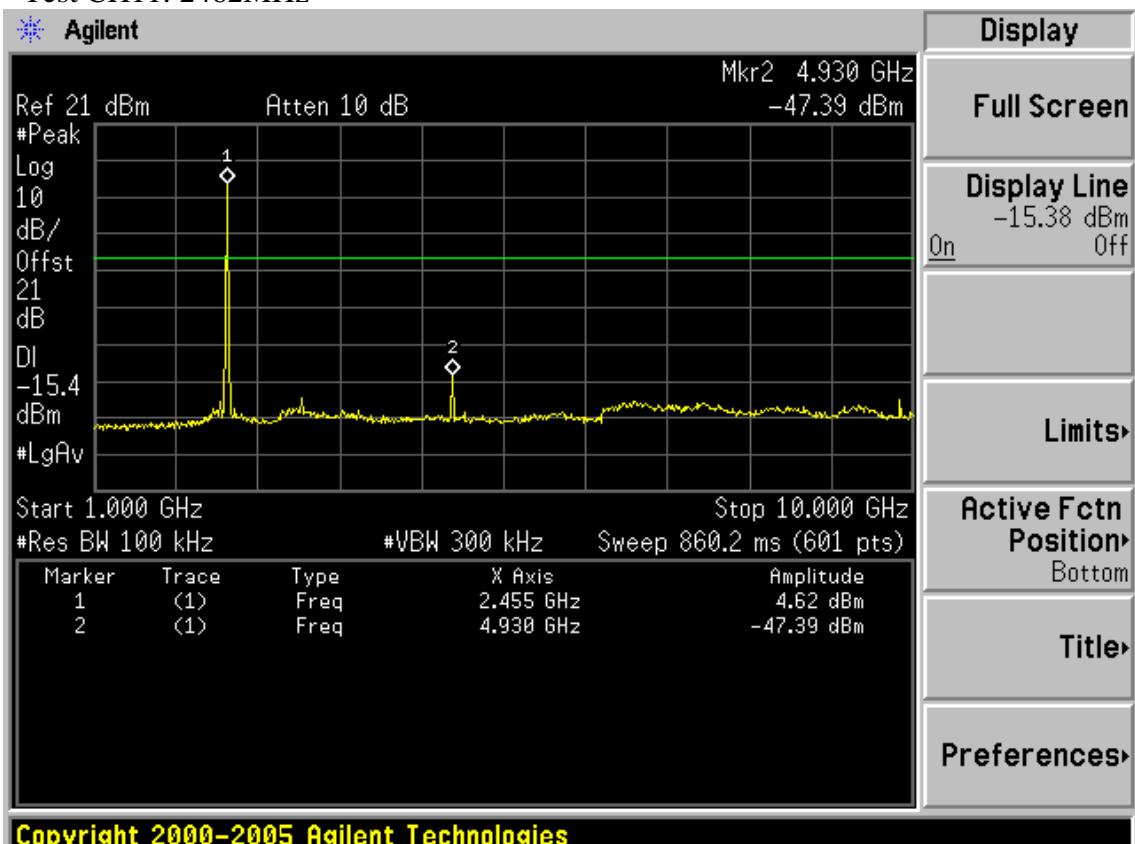


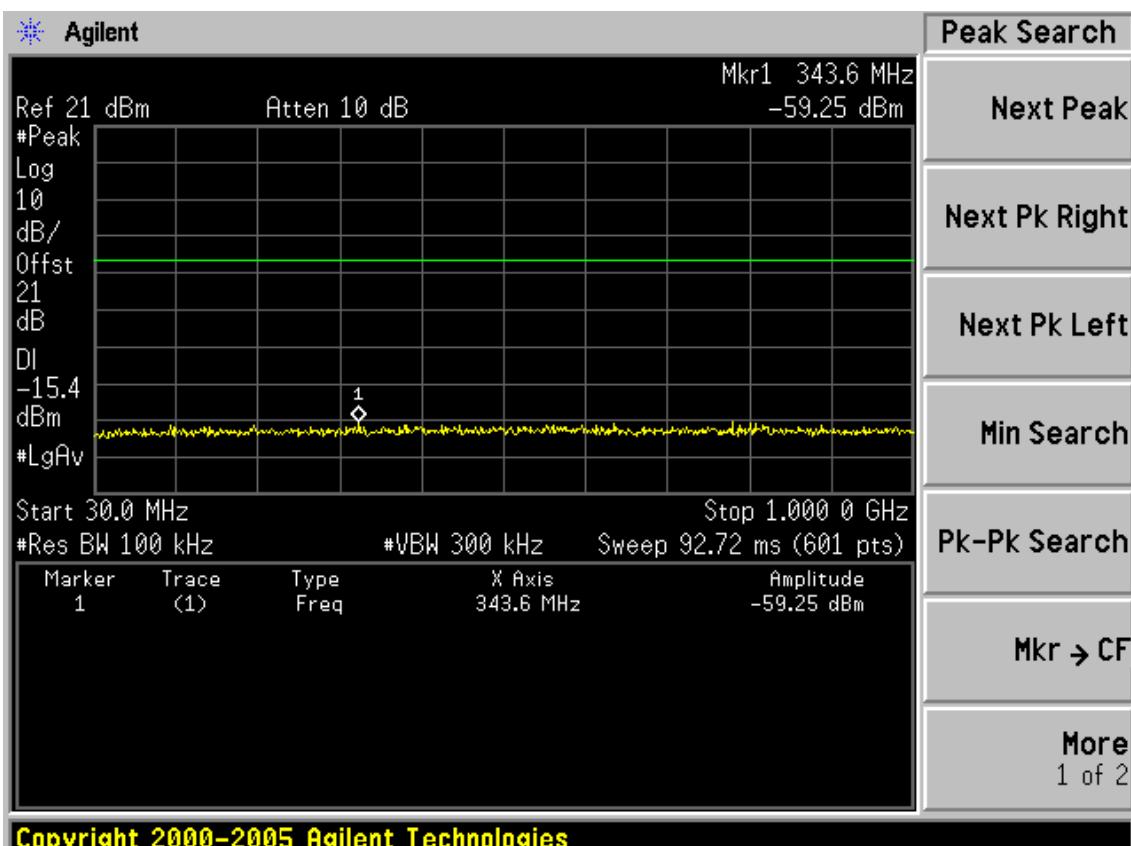
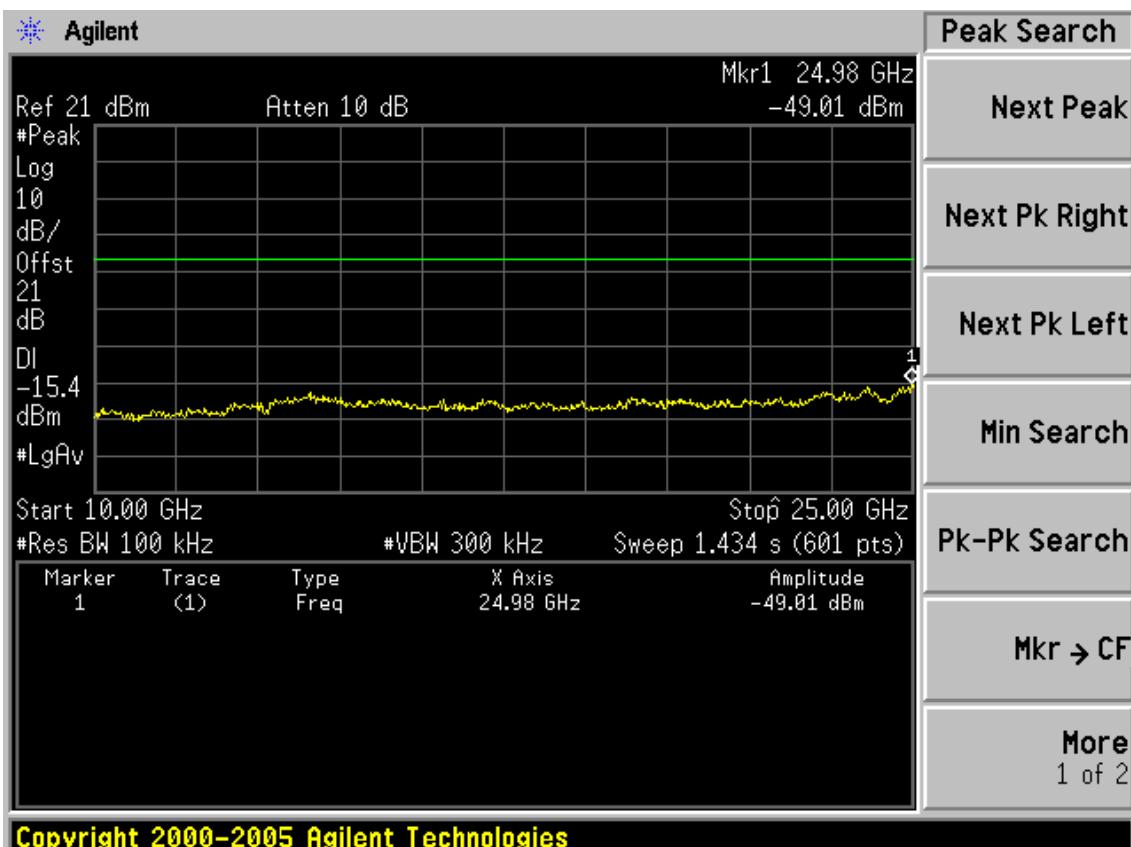
## Test CH6: 2437MHz

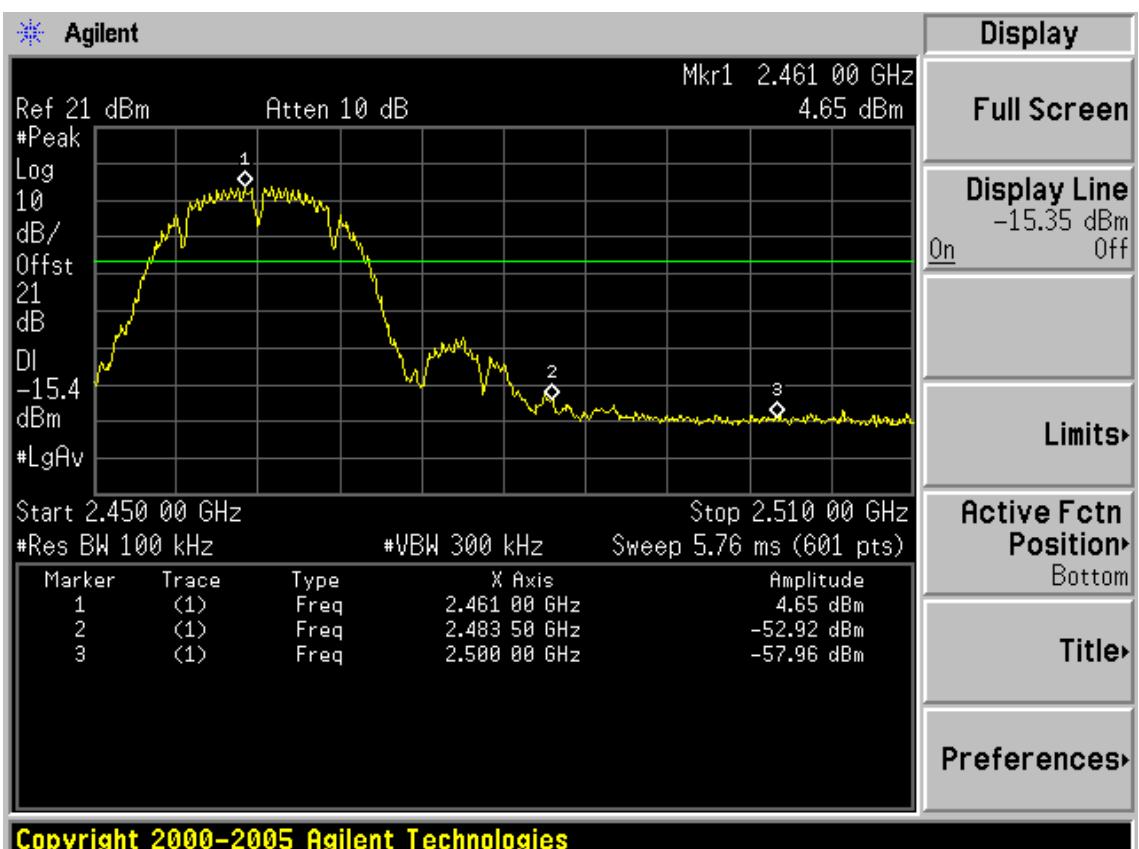




Test CH11: 2462MHz

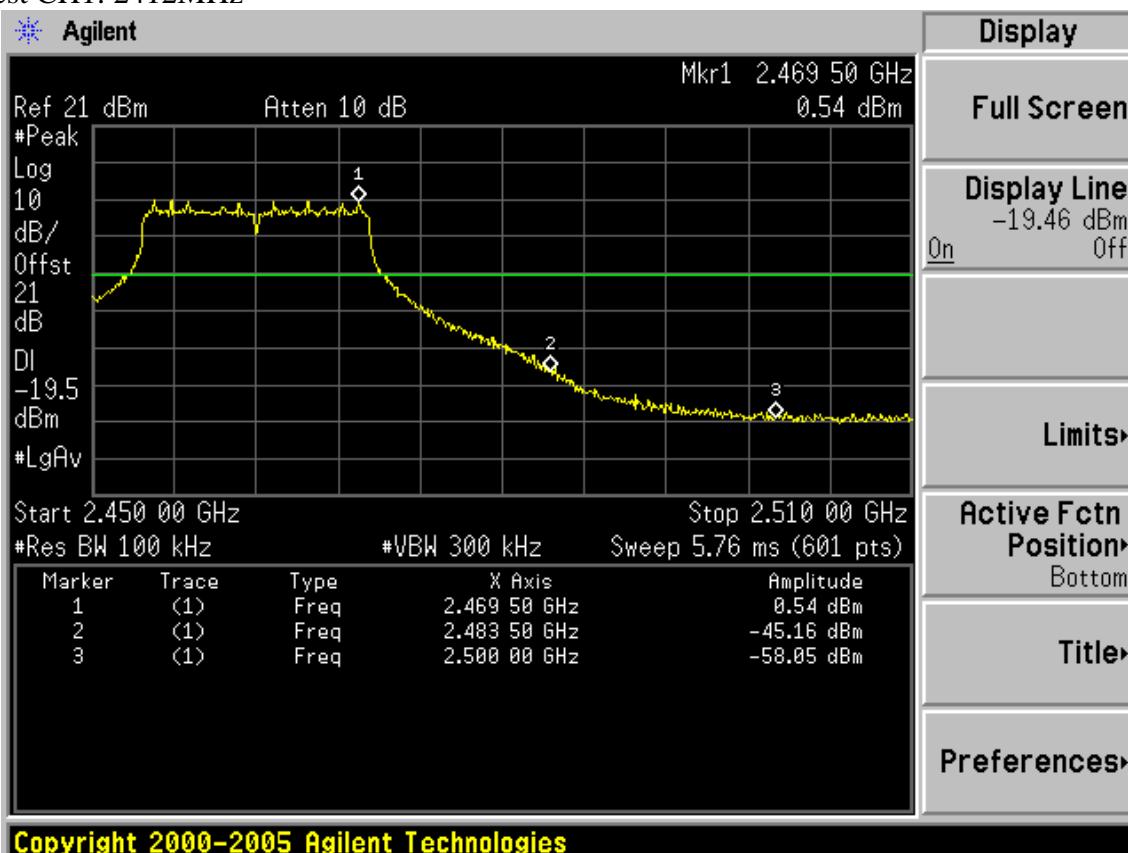


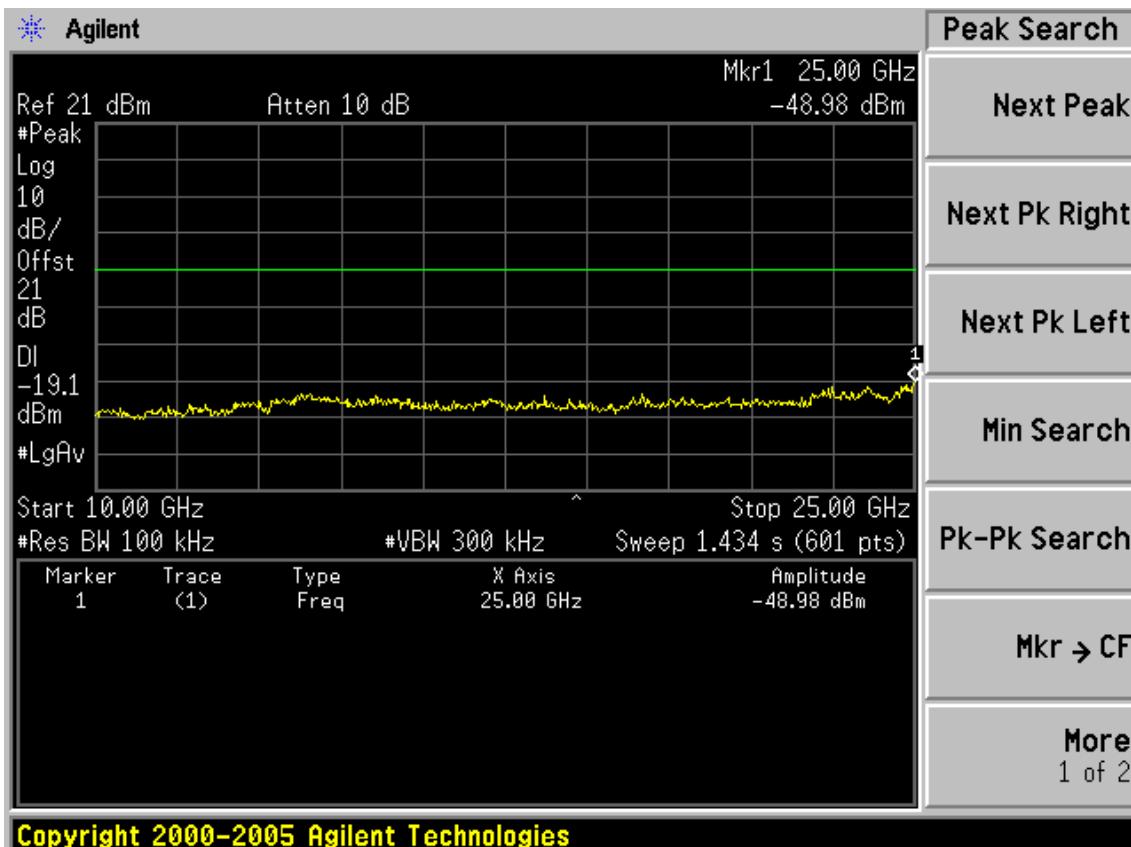
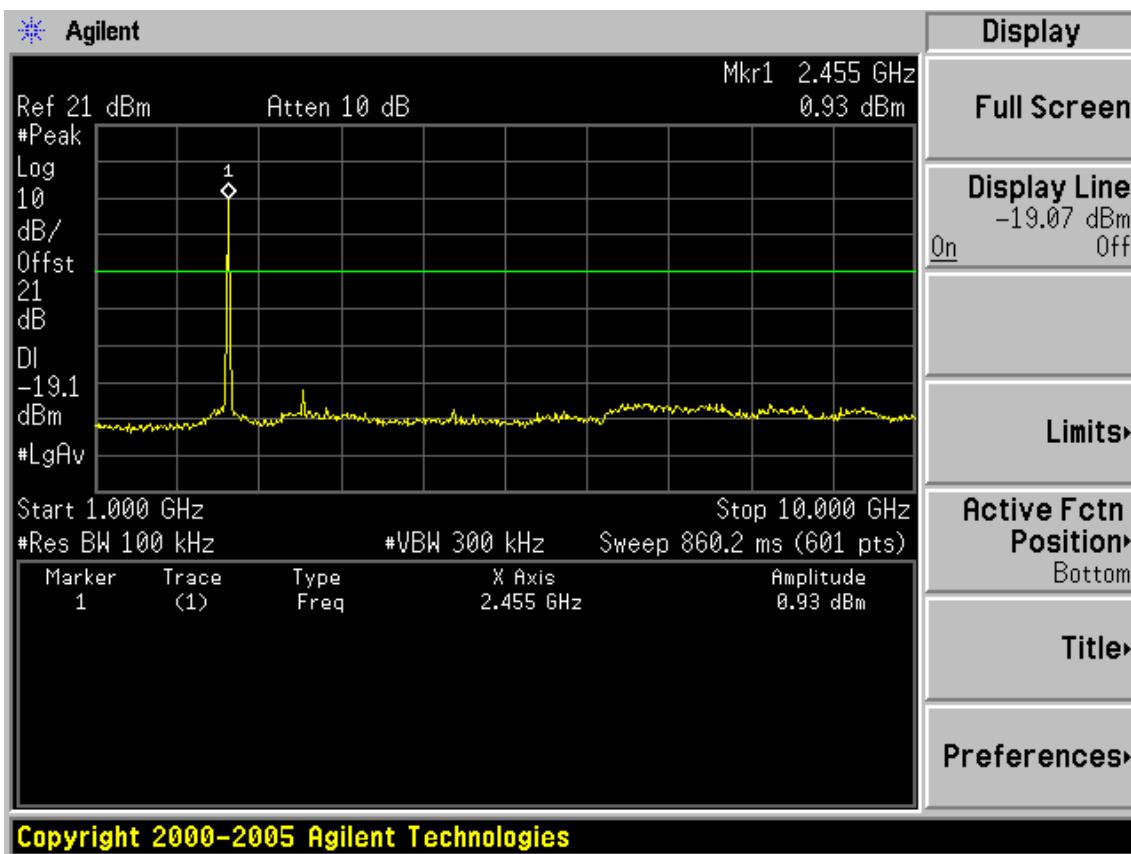


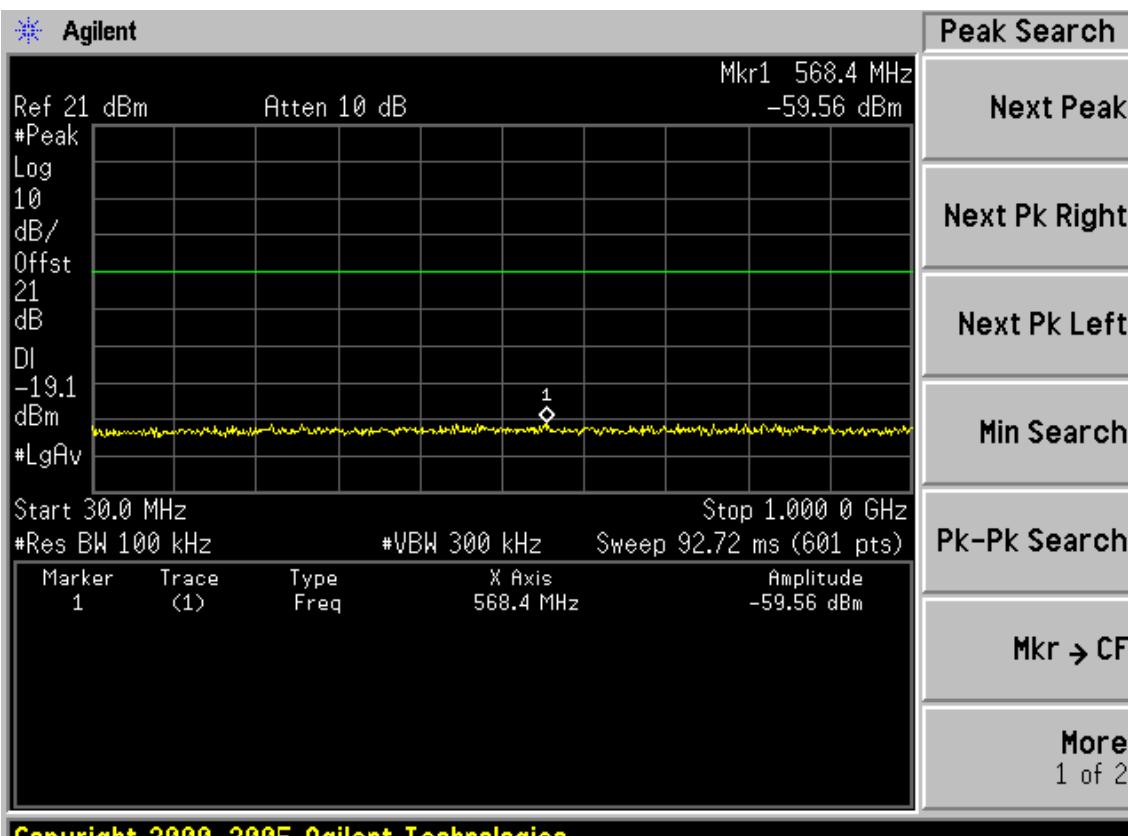


Test Mode: IEEE 802.11g TX

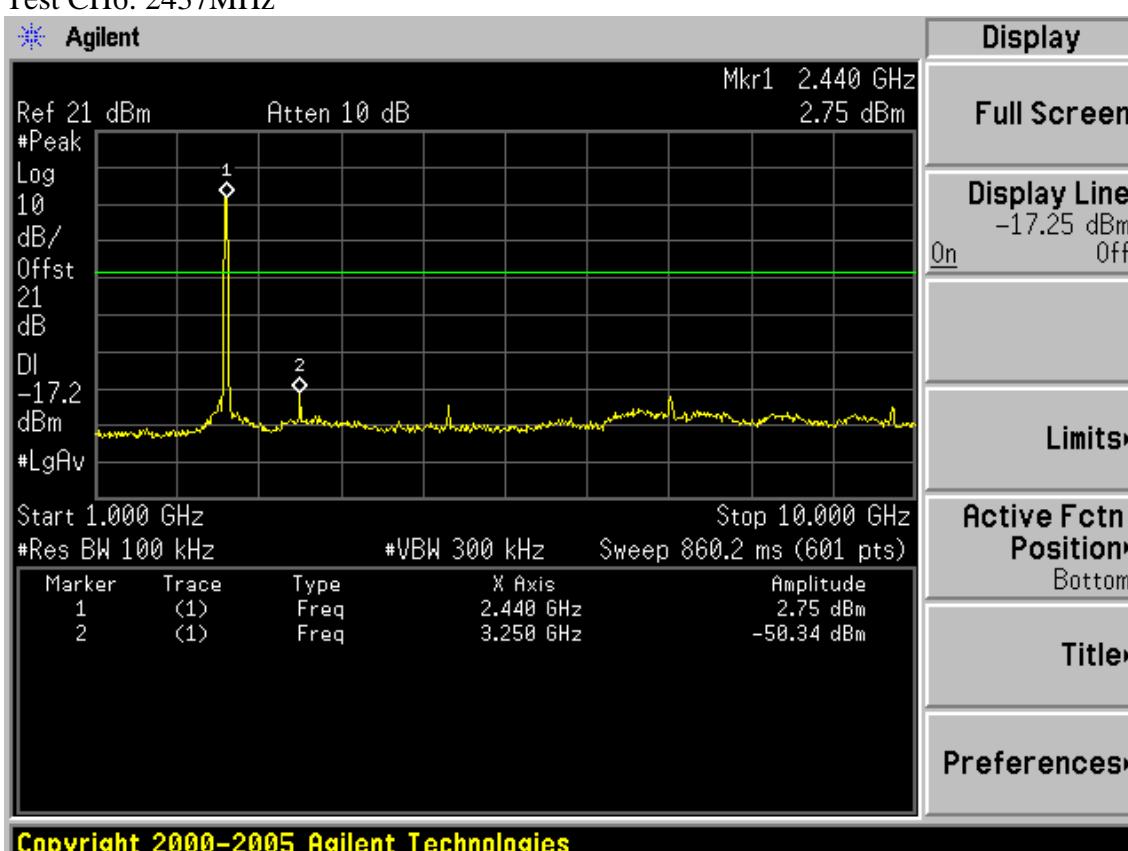
Test CH1: 2412MHz

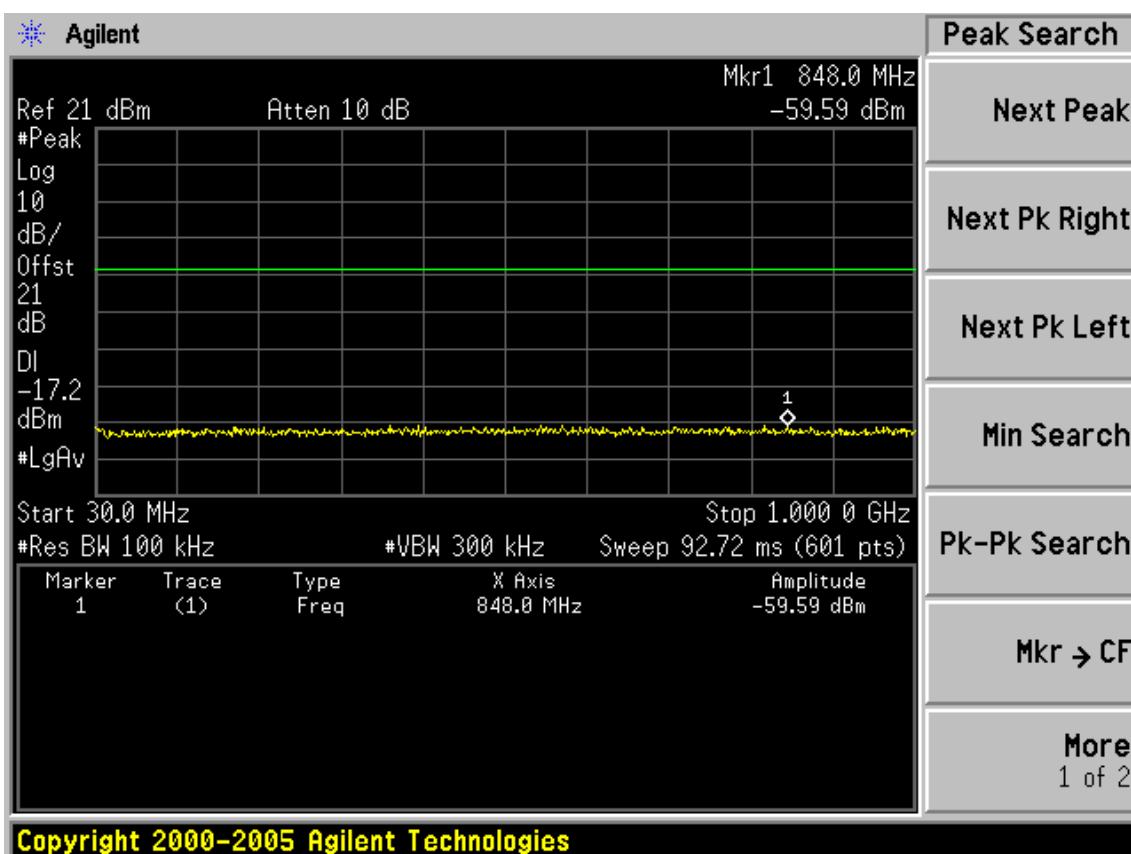
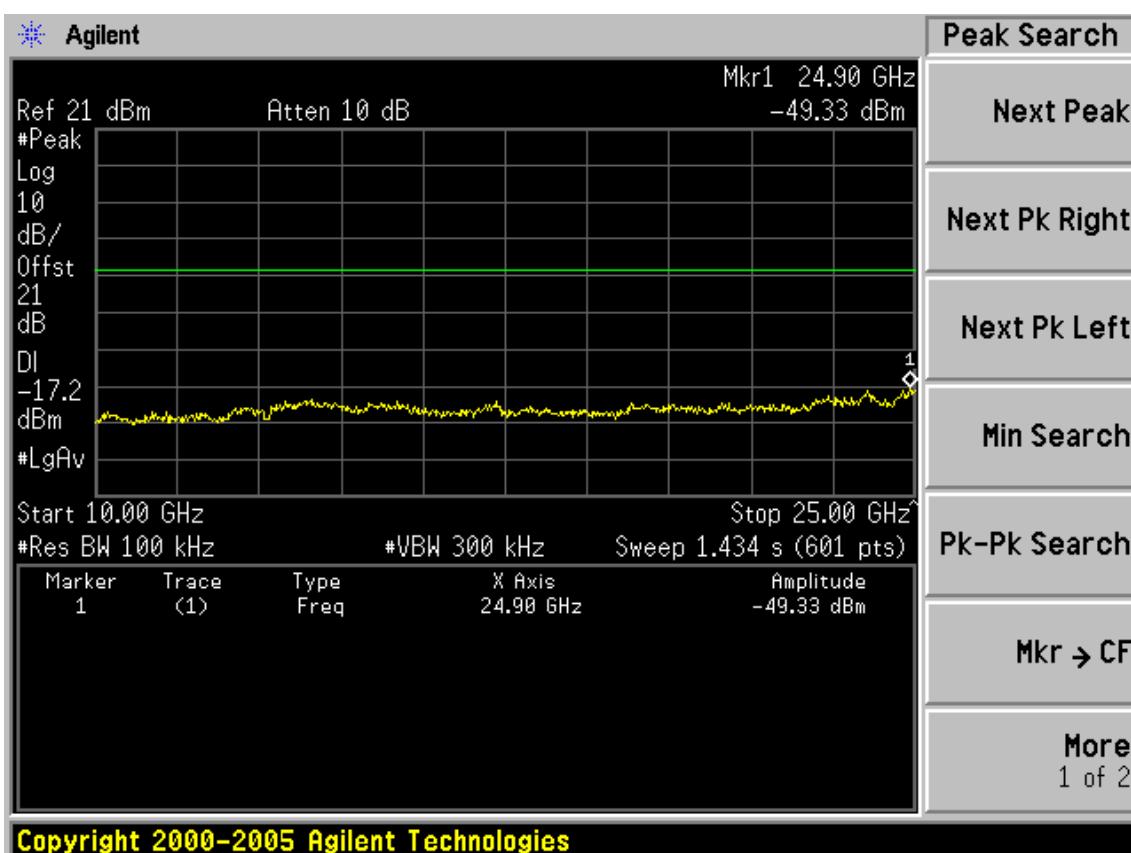




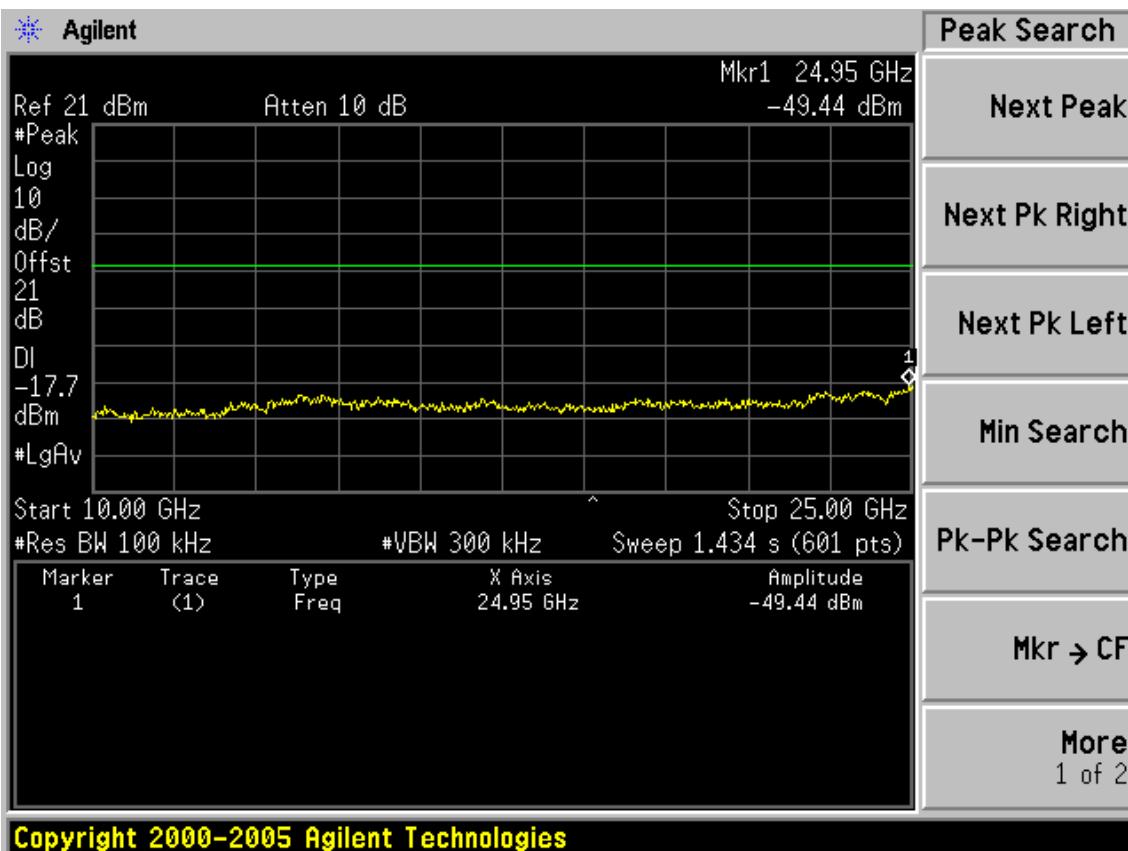
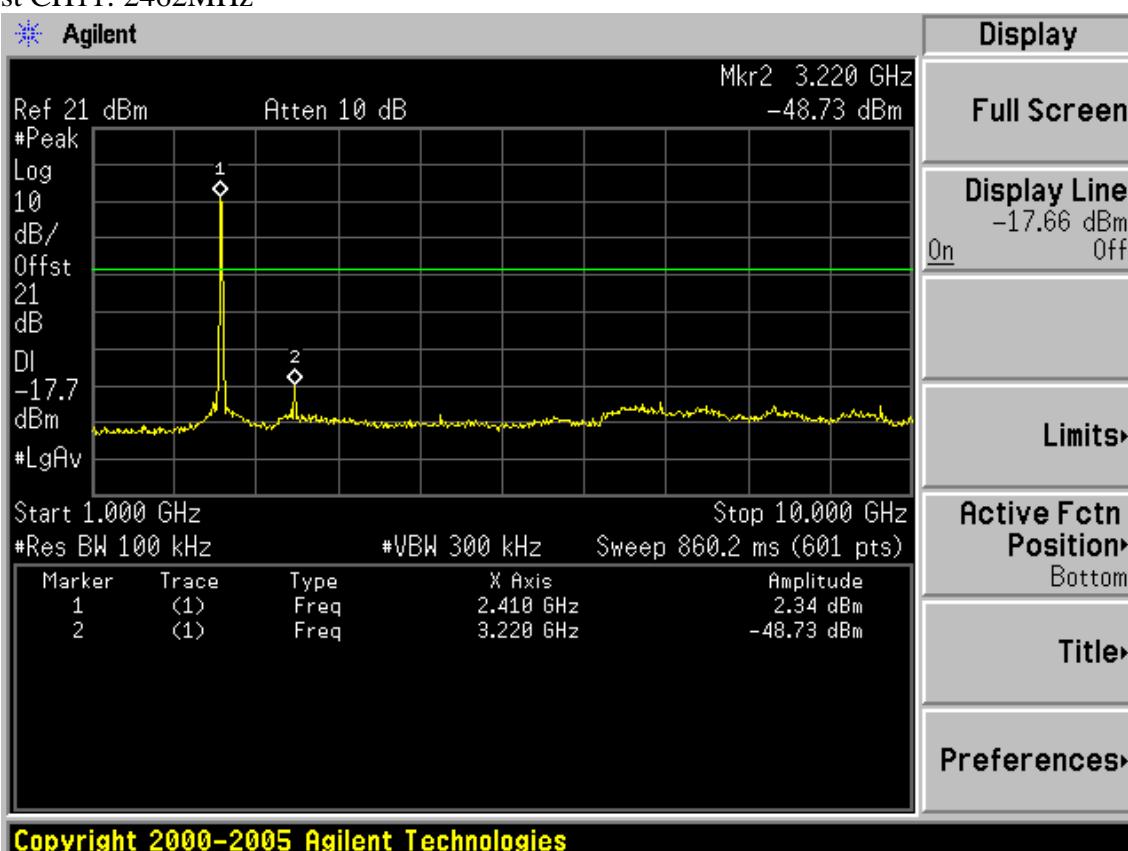


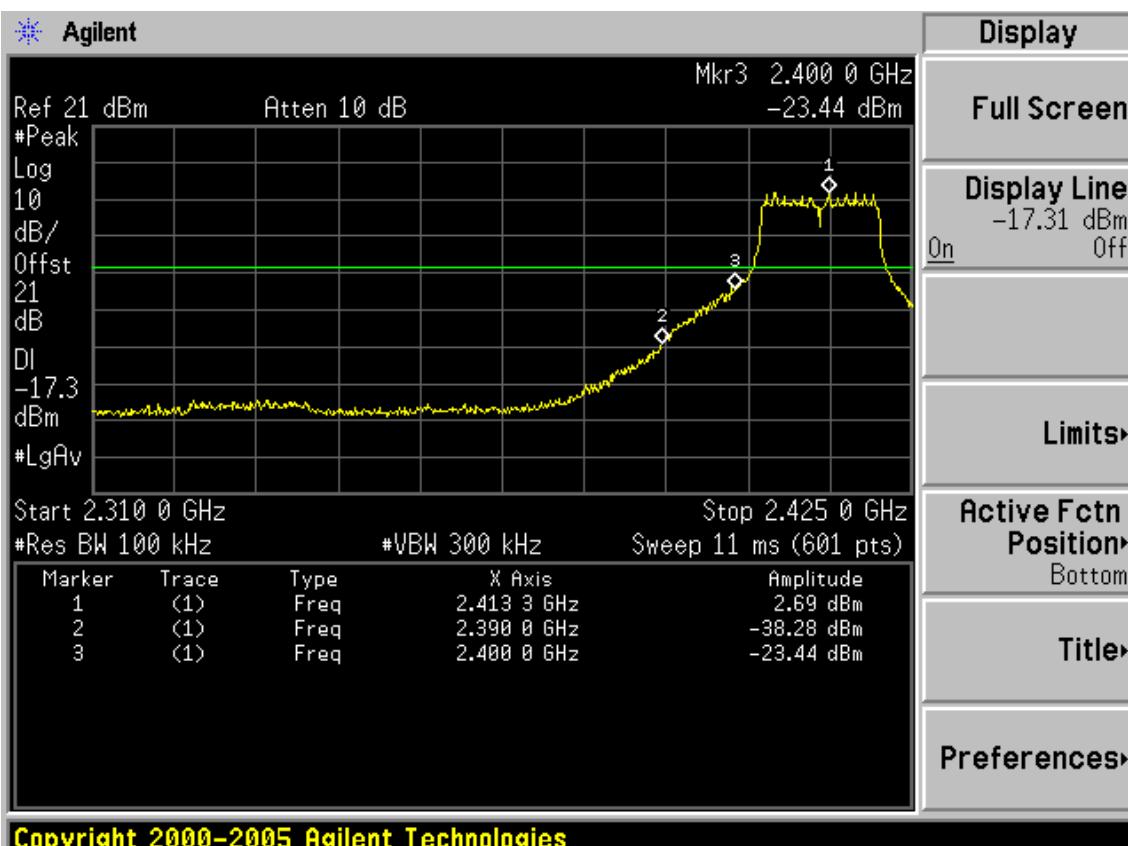
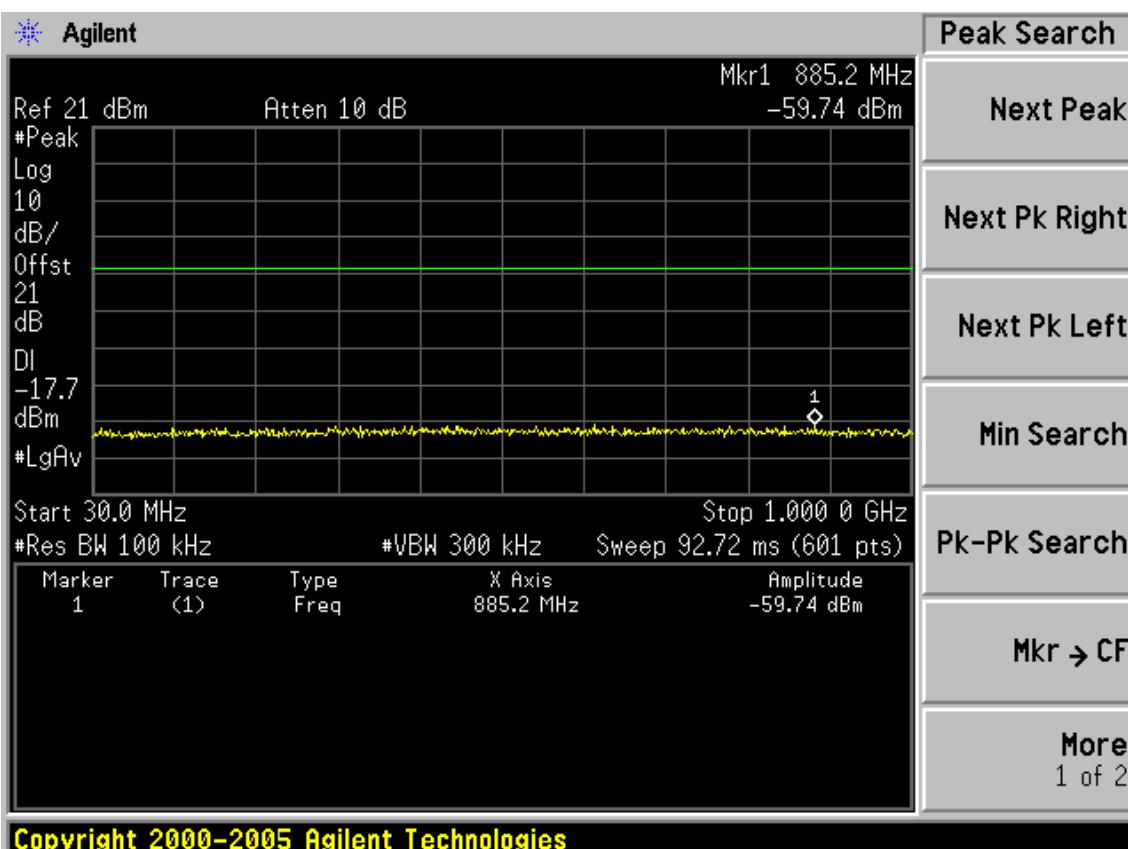
Test CH6: 2437MHz





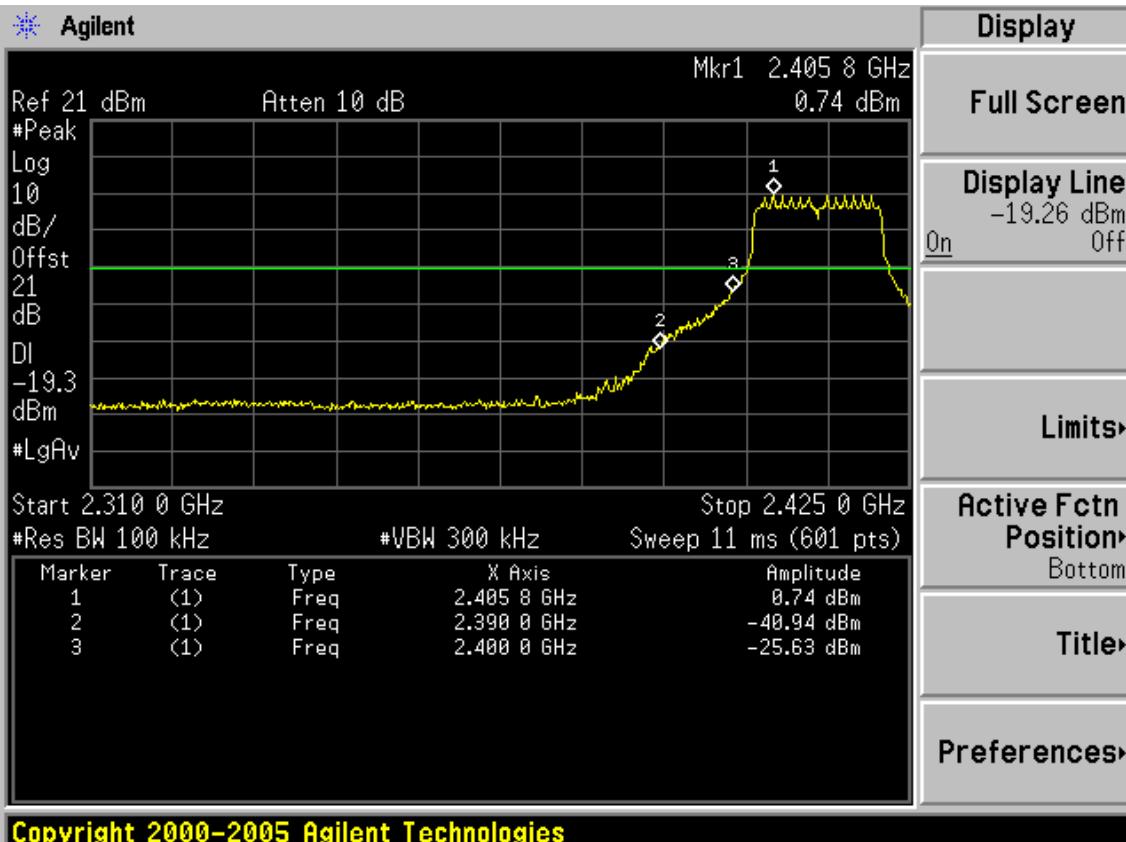
## Test CH11: 2462MHz



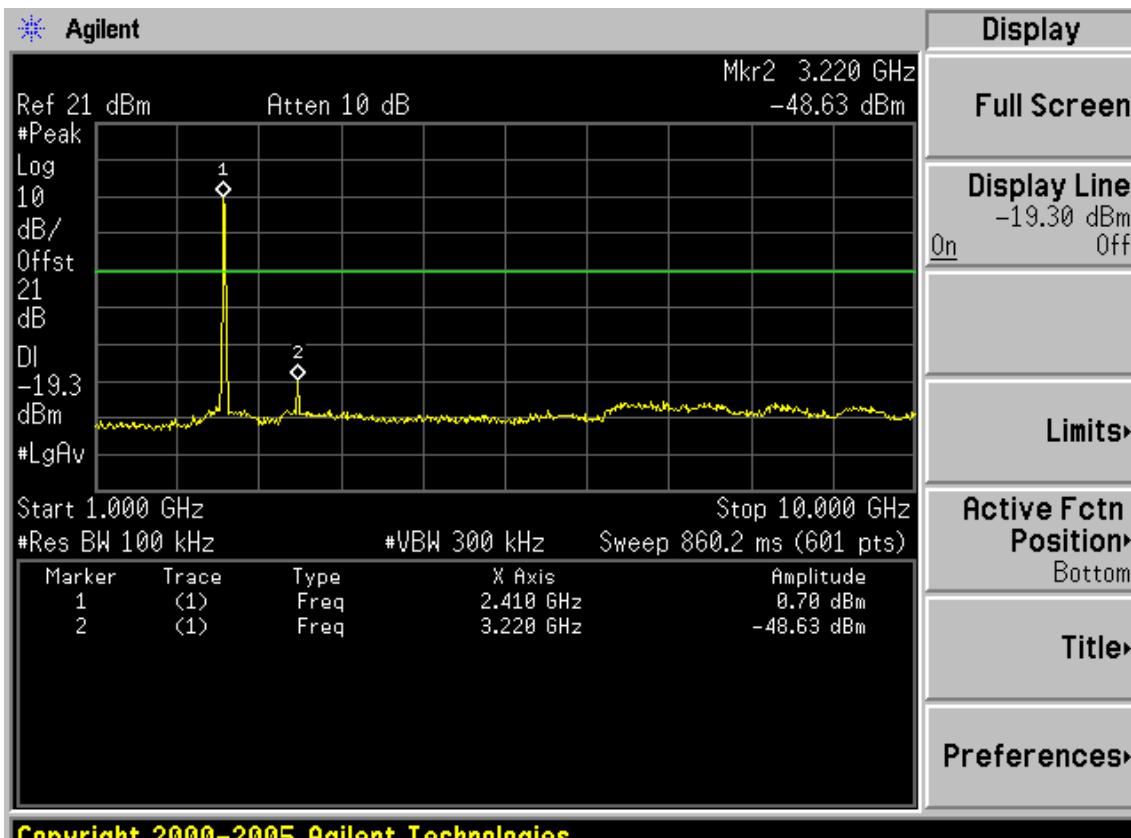


Test Mode: IEEE 802.11n HT20 TX

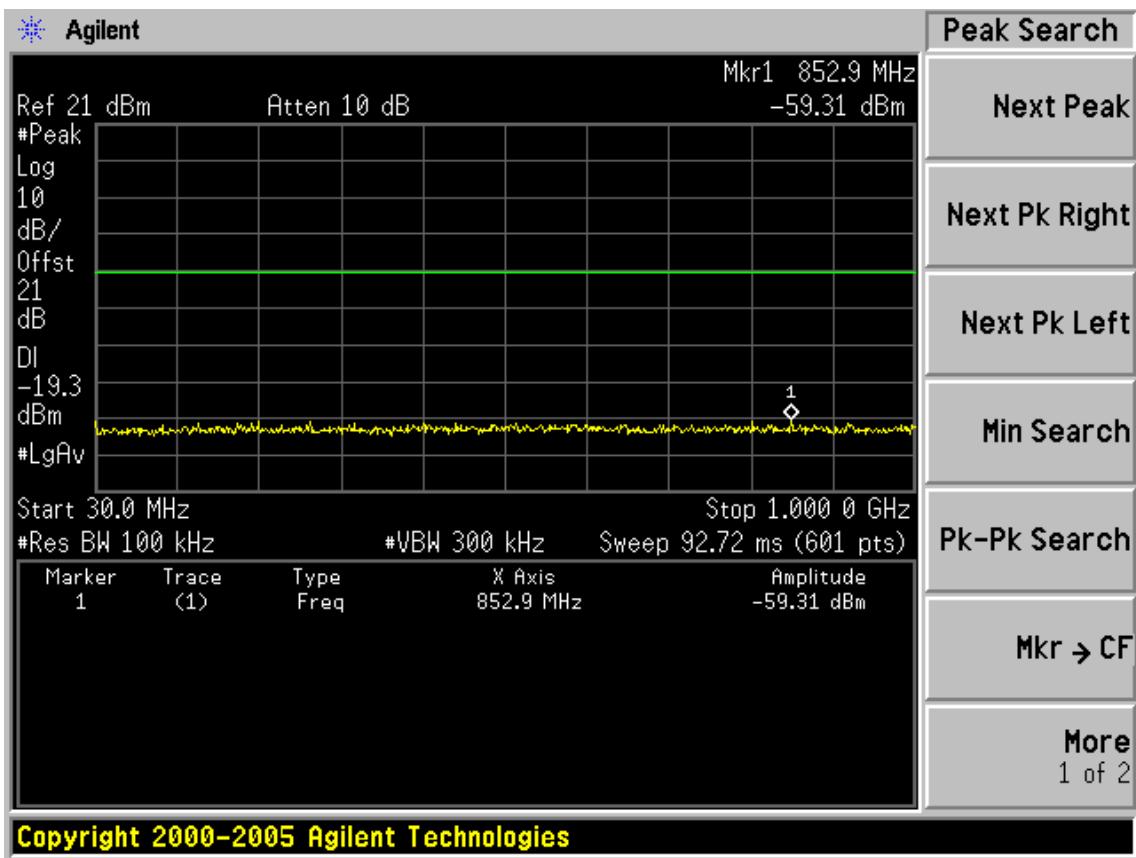
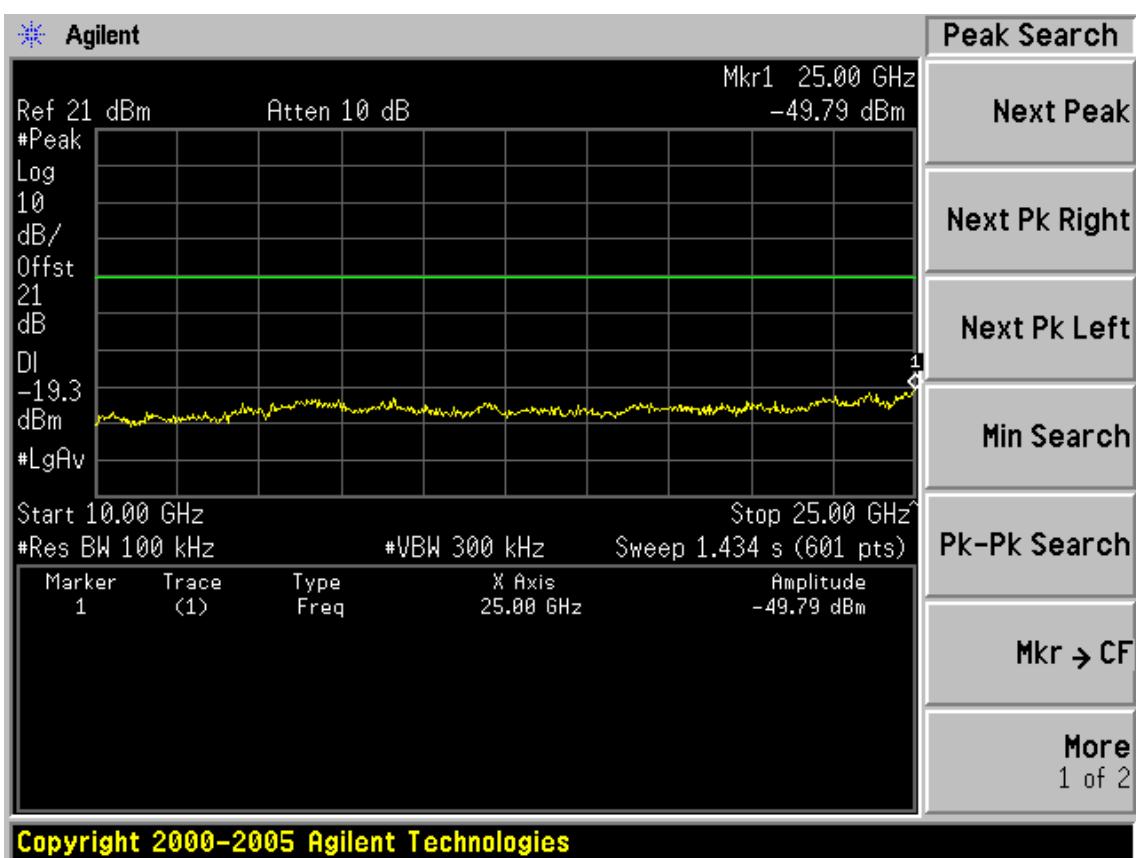
Test CH1: 2412MHz



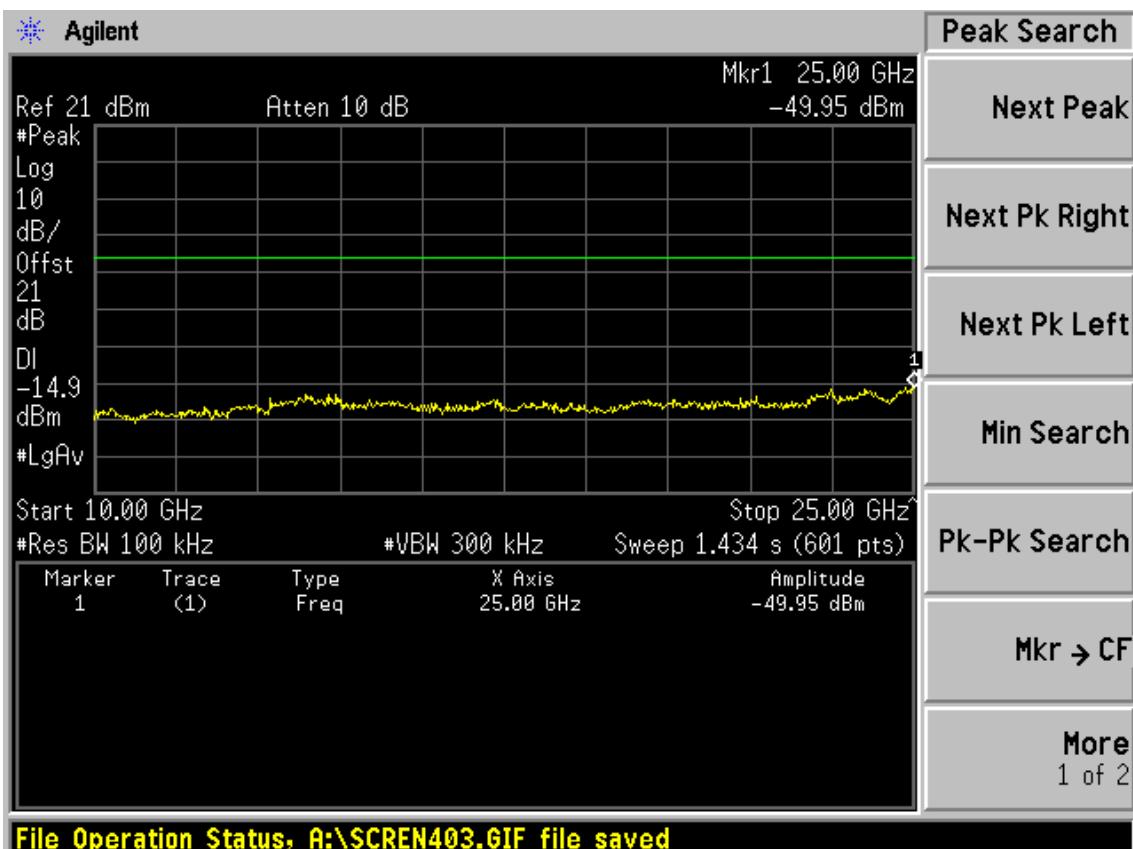
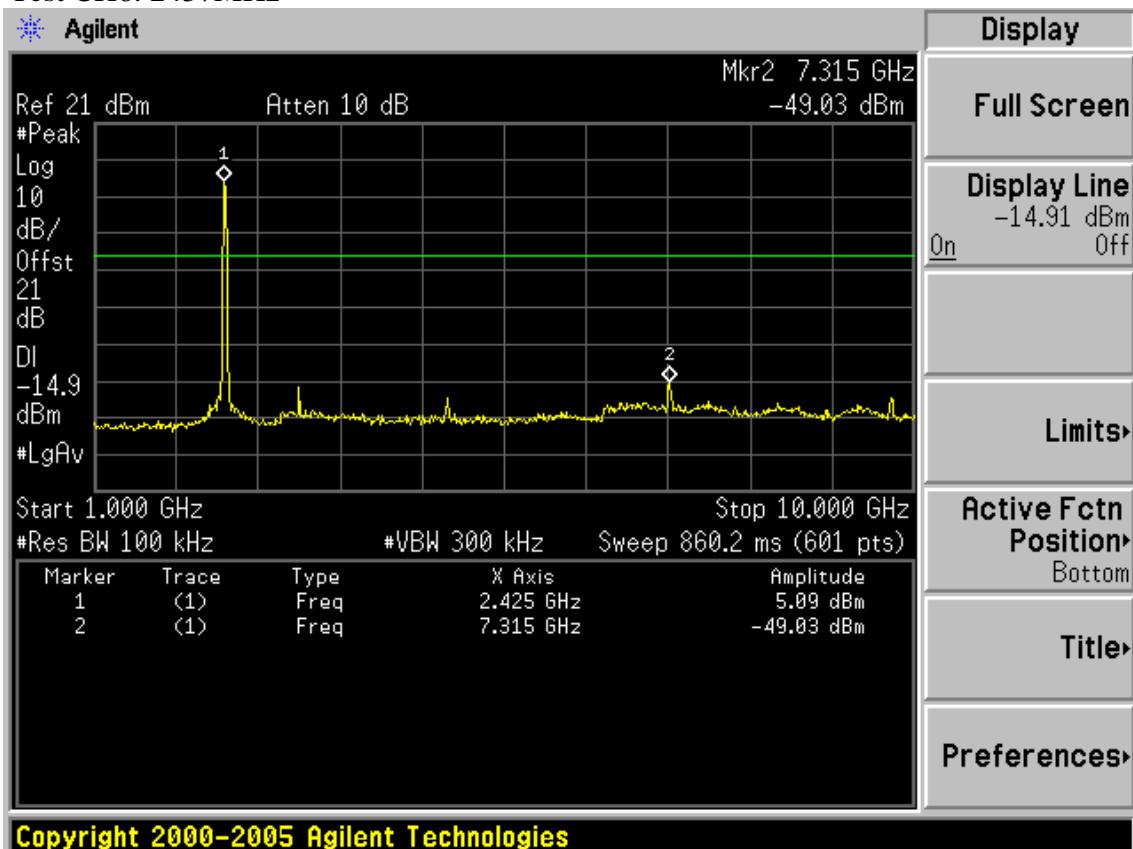
Copyright 2000-2005 Agilent Technologies

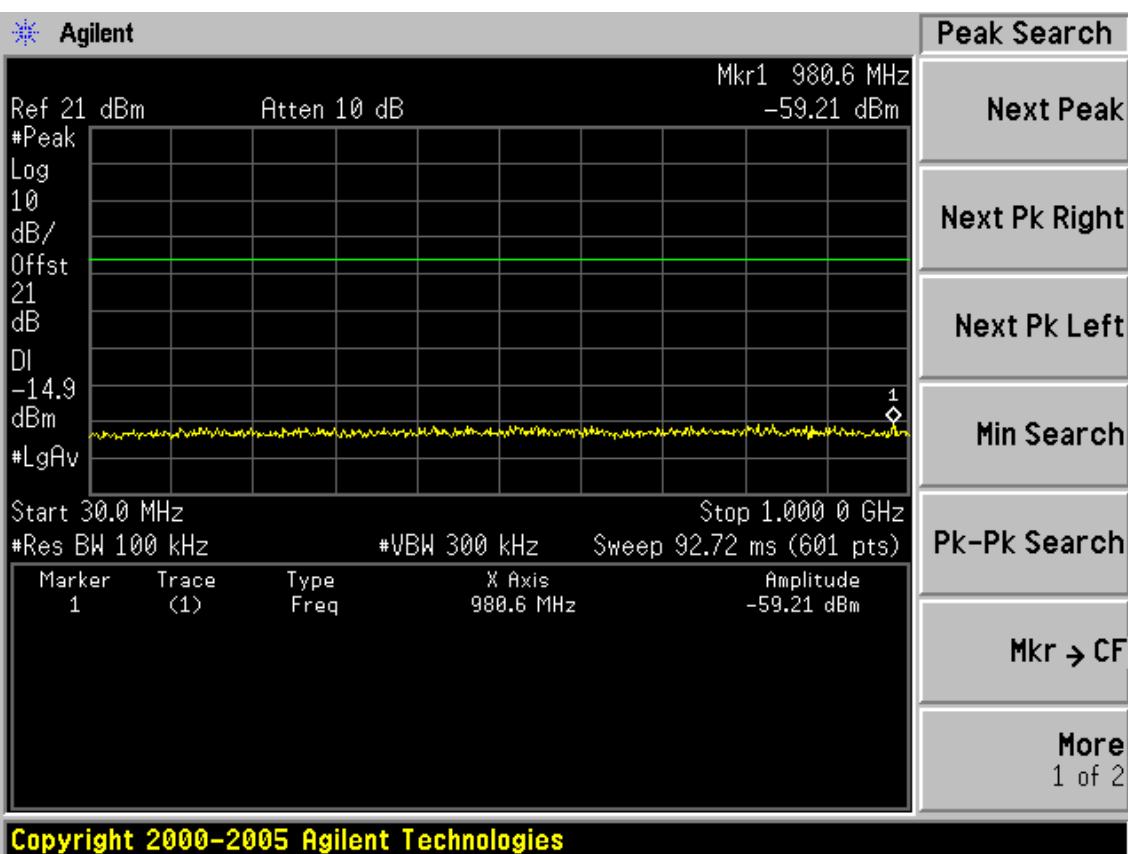


Copyright 2000-2005 Agilent Technologies

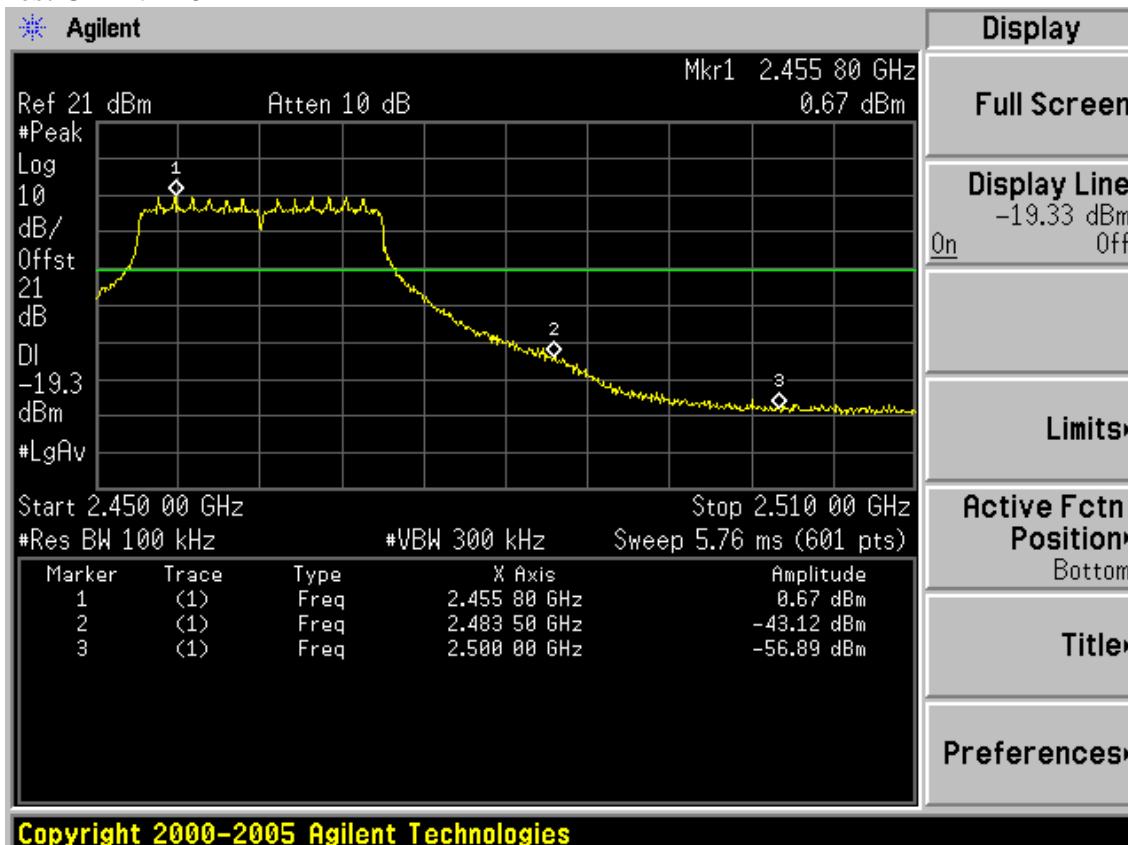


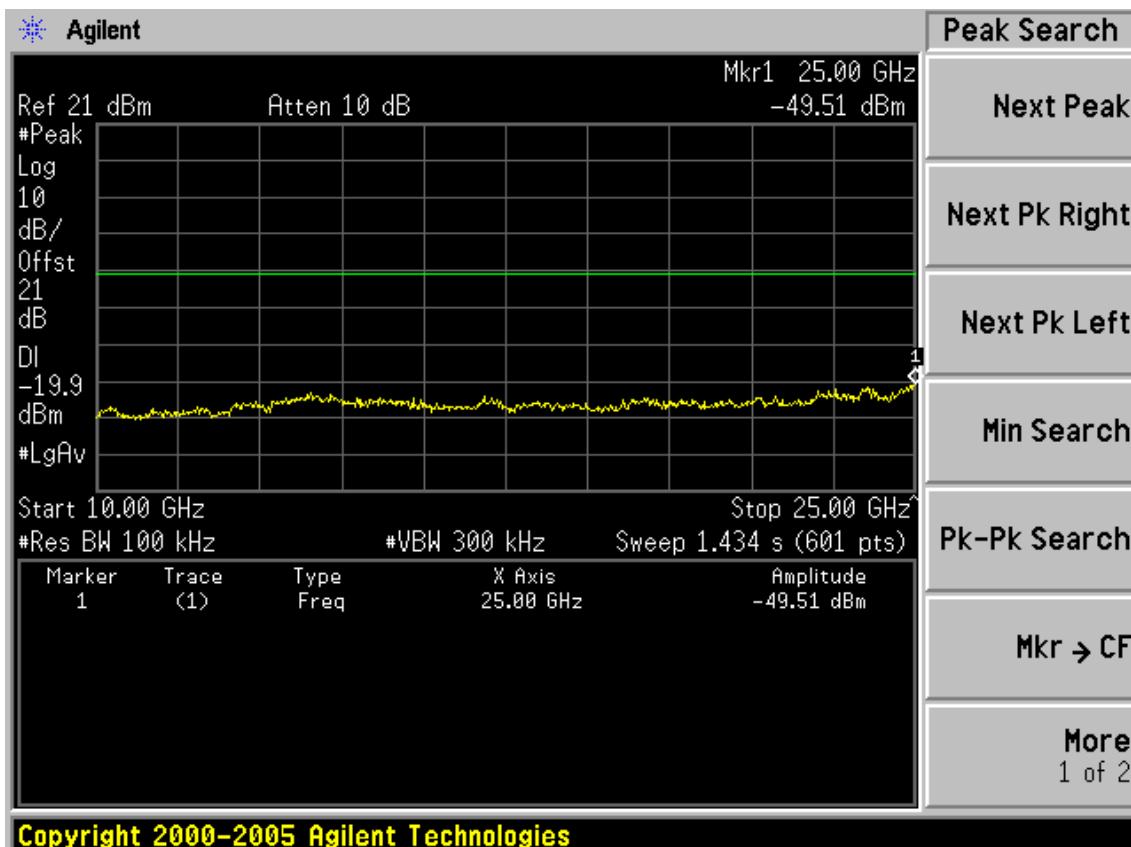
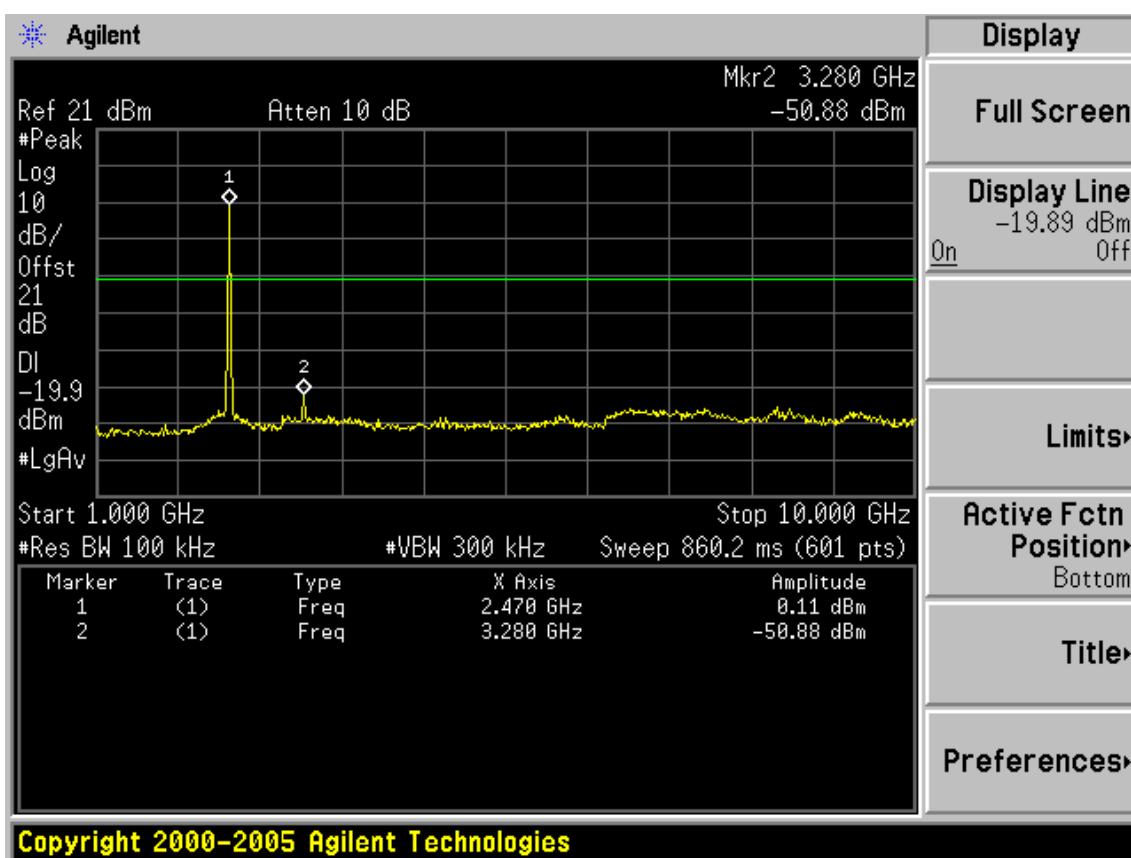
Test CH6: 2437MHz

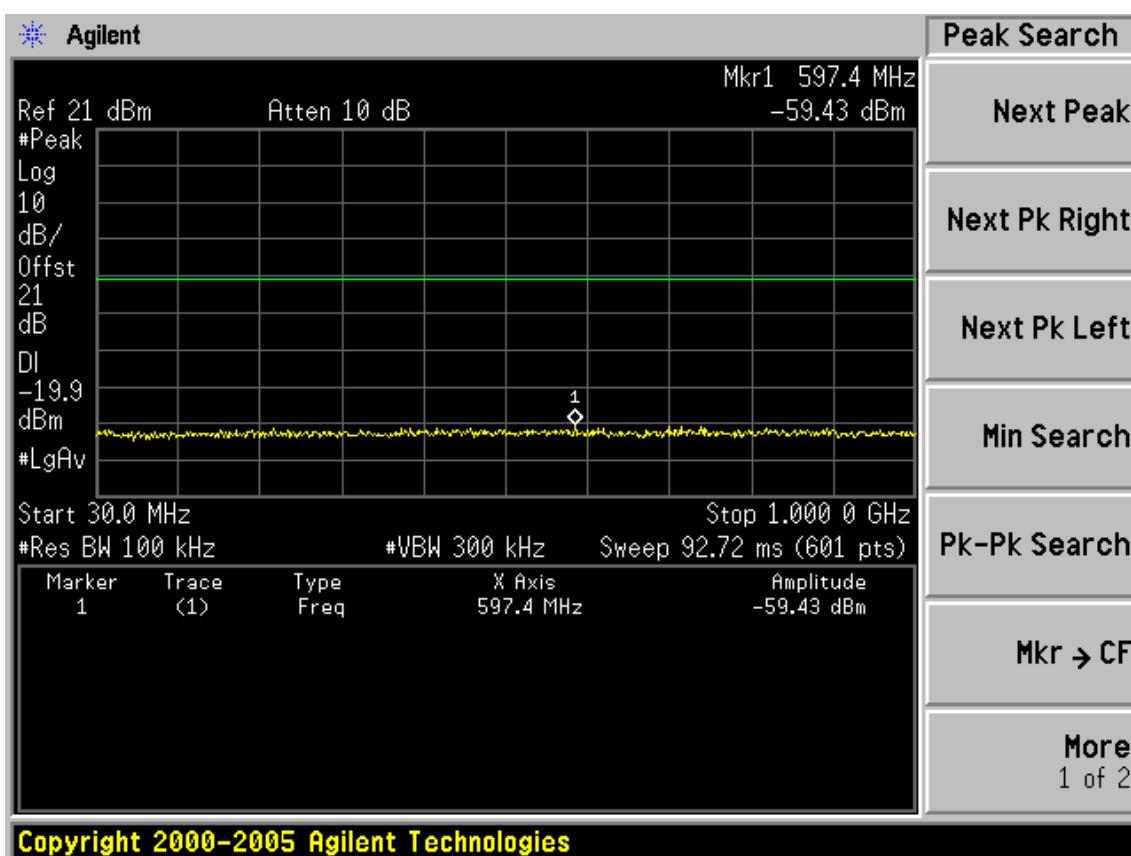




Test CH11: 2462MHz

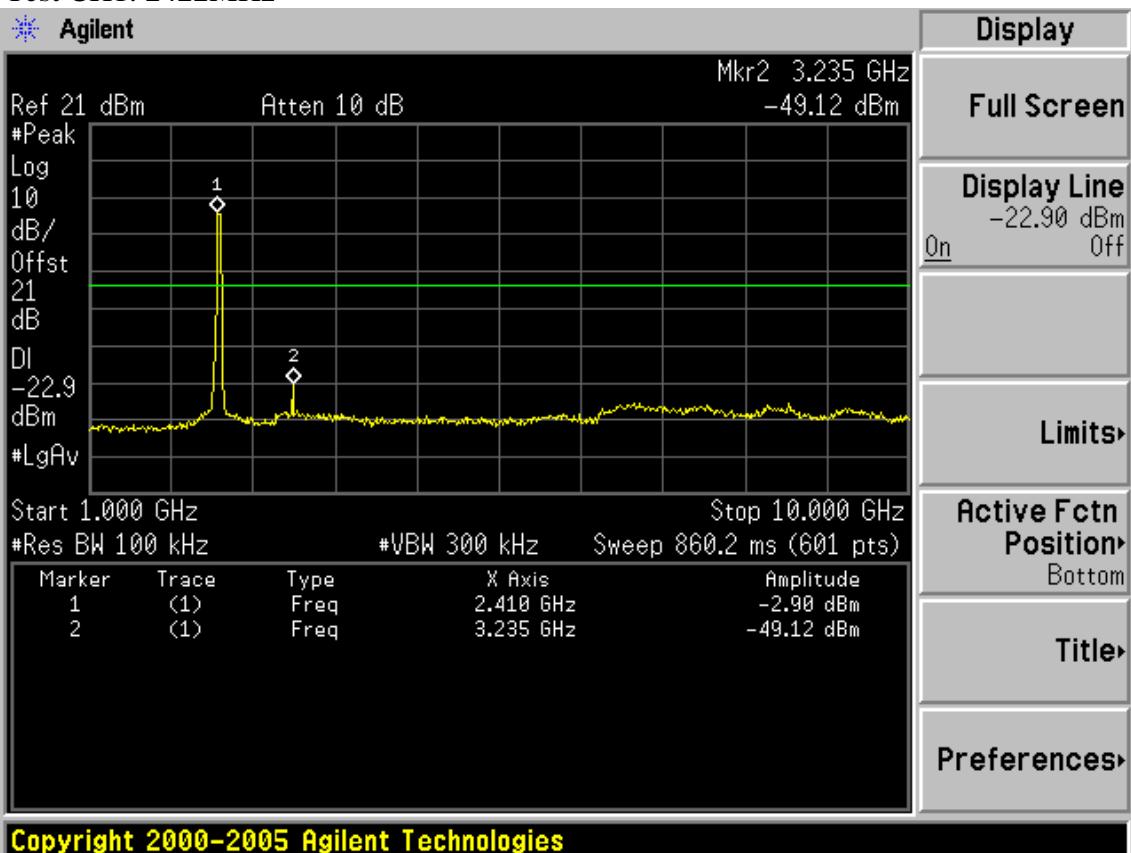


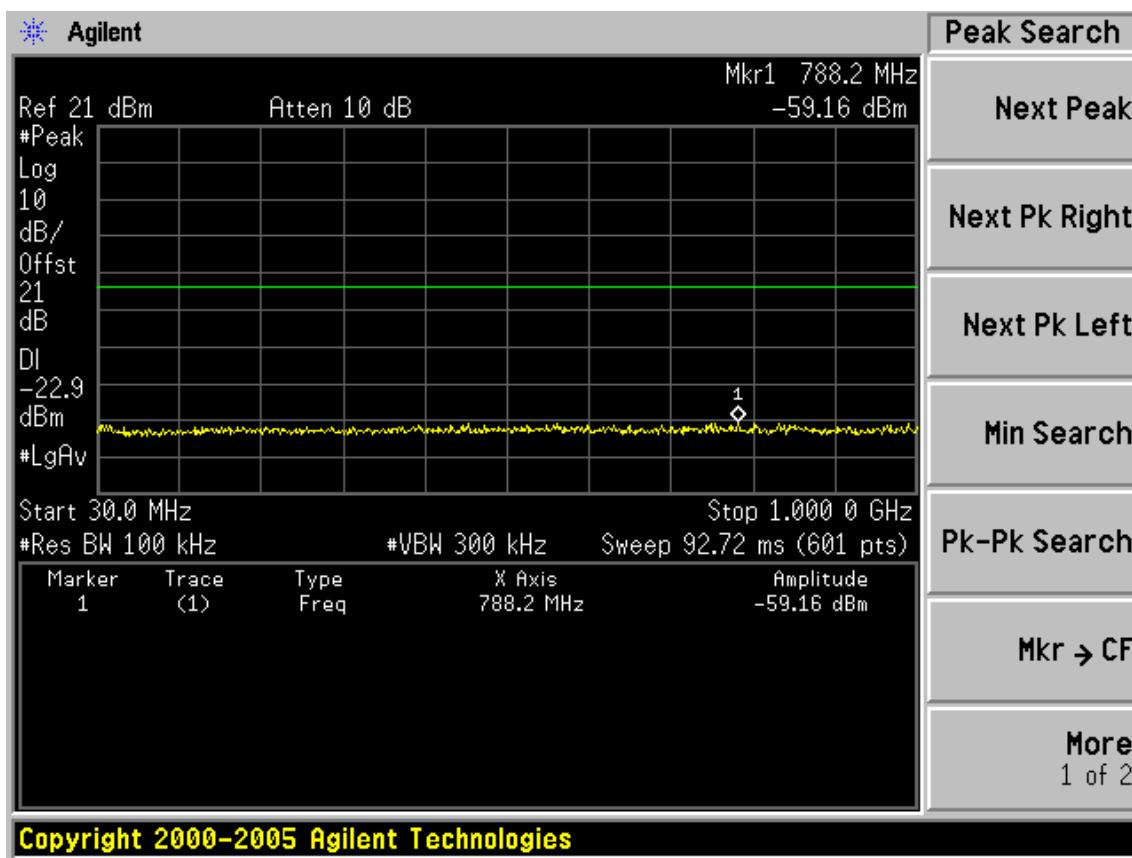
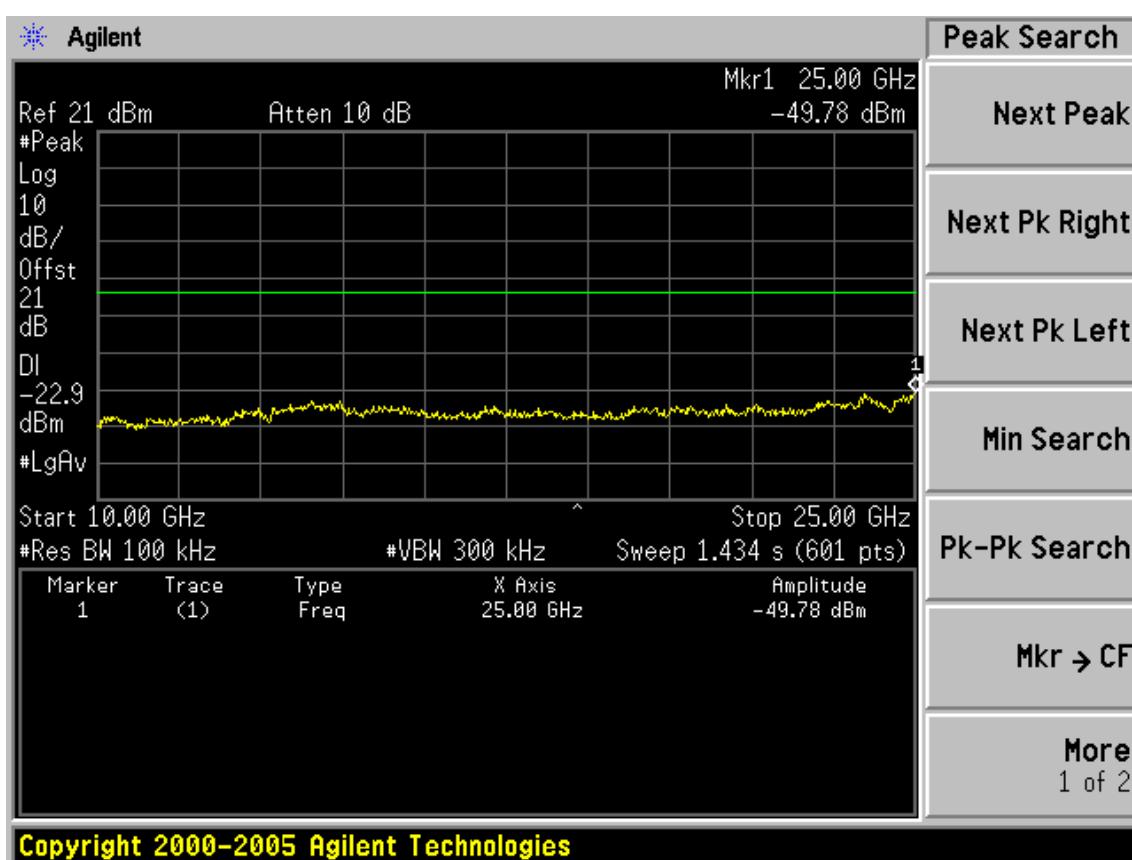


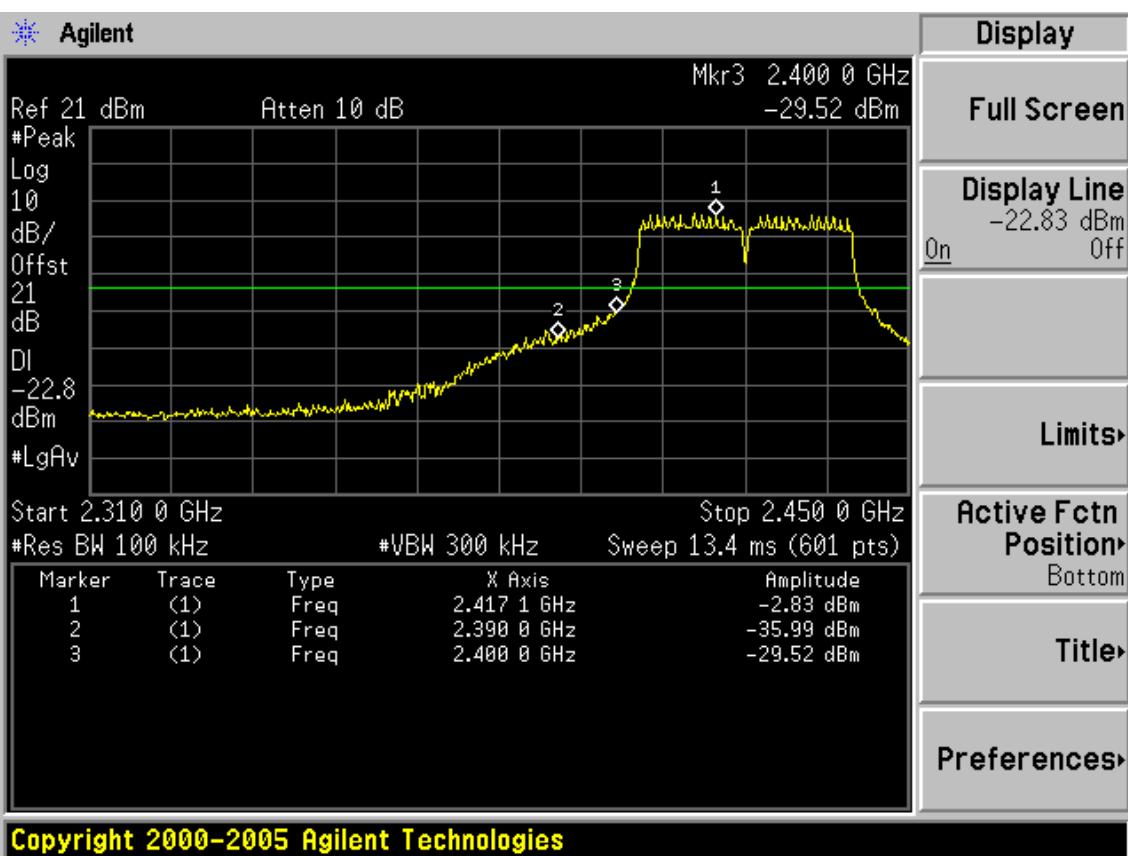


Test Mode: IEEE 802.11n HT40 TX

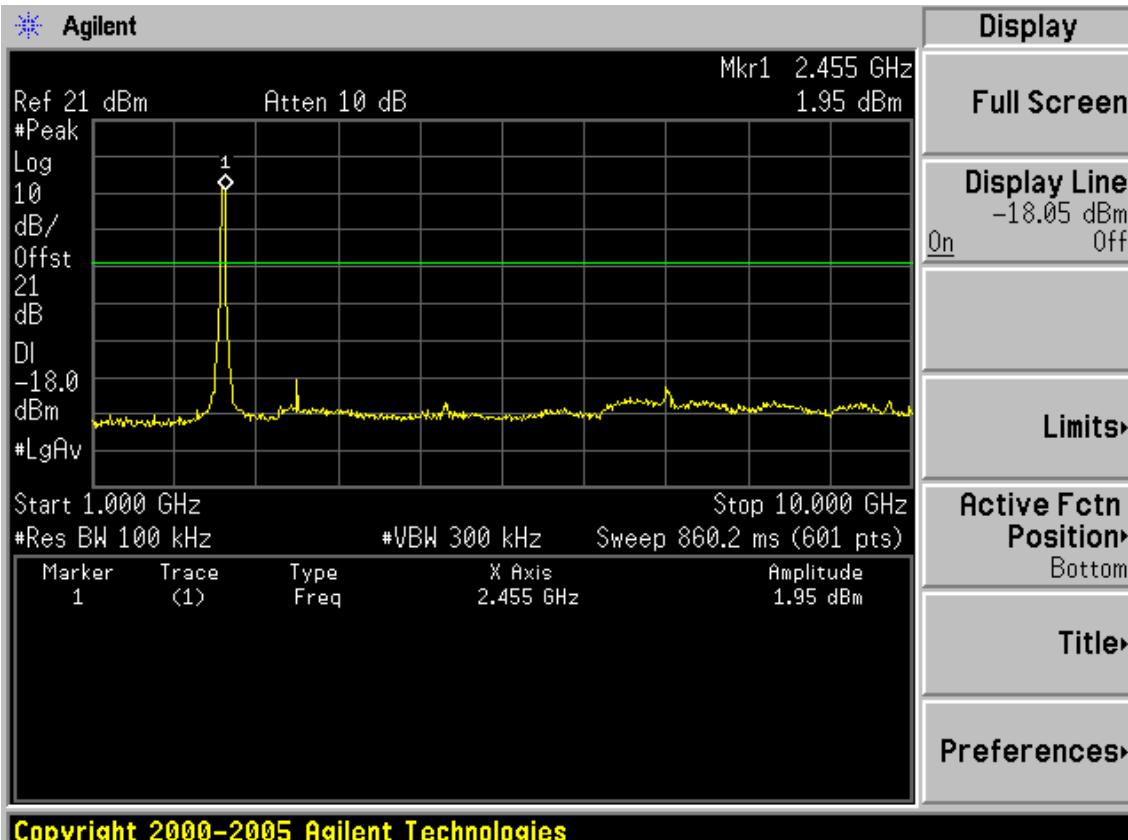
Test CH1: 2422MHz

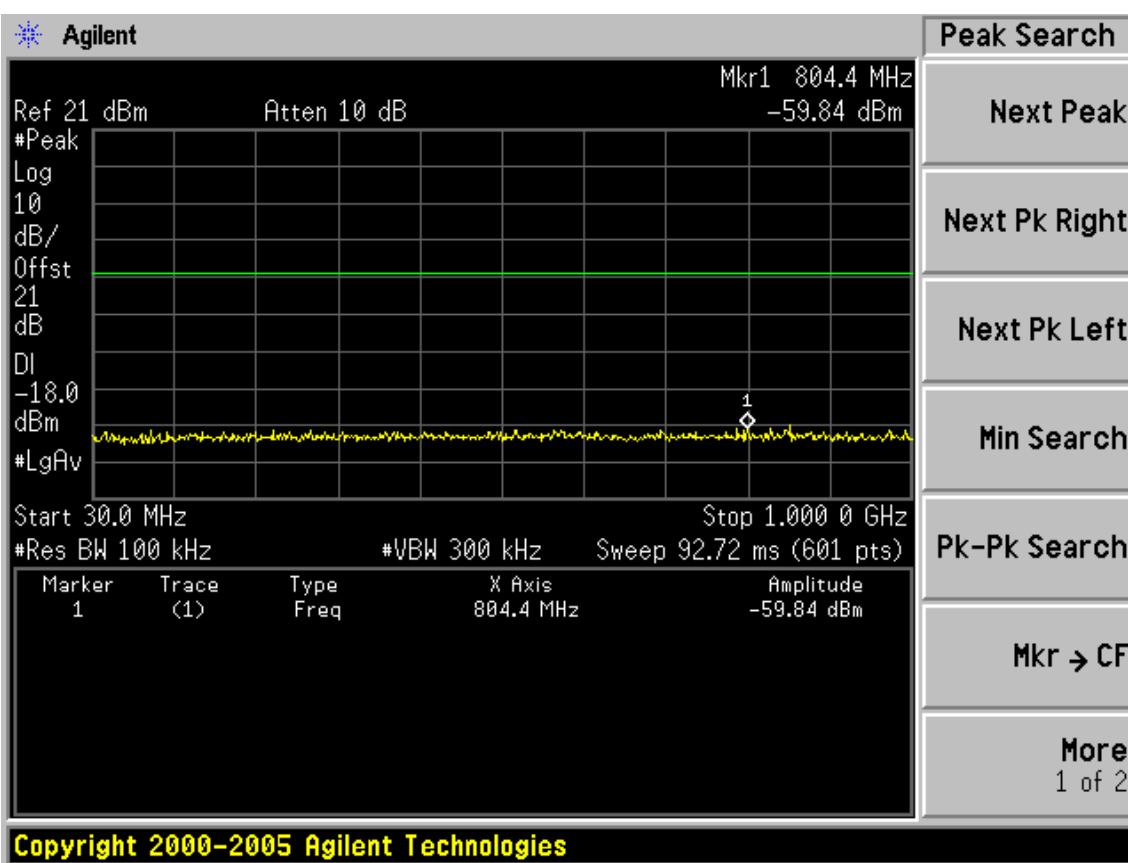
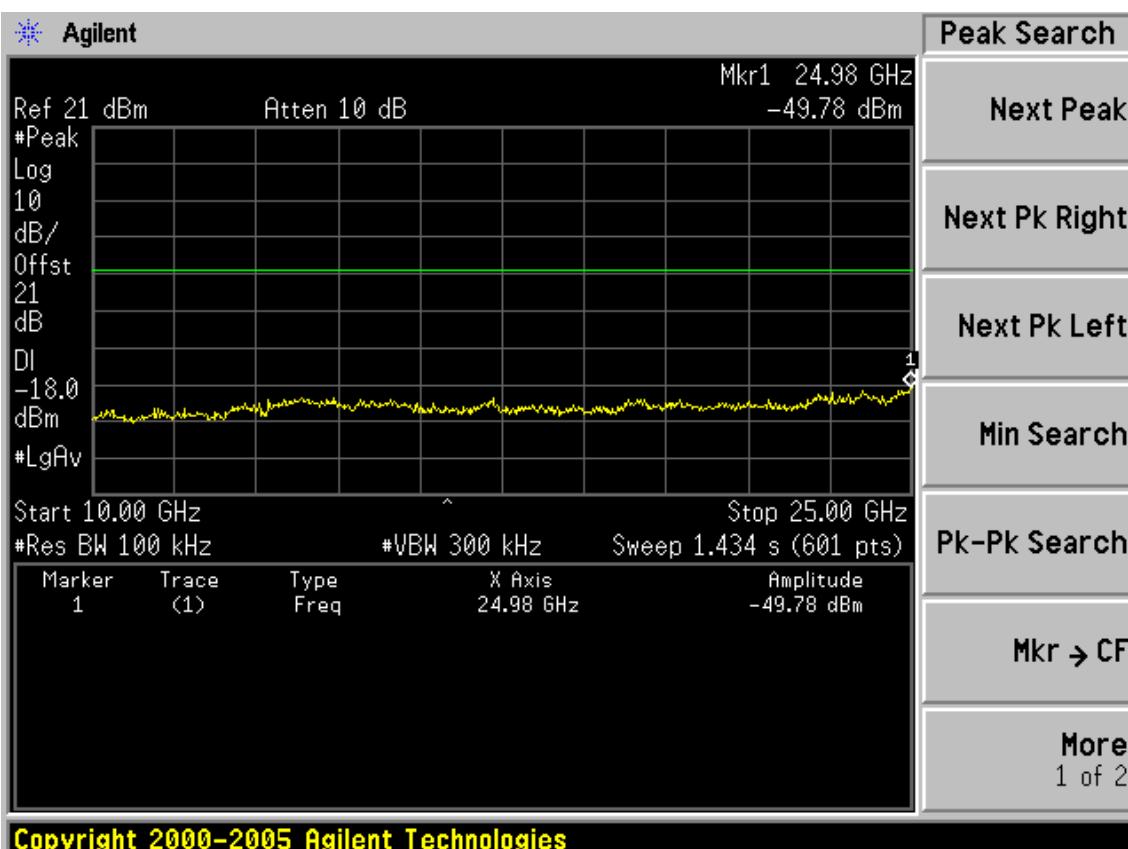




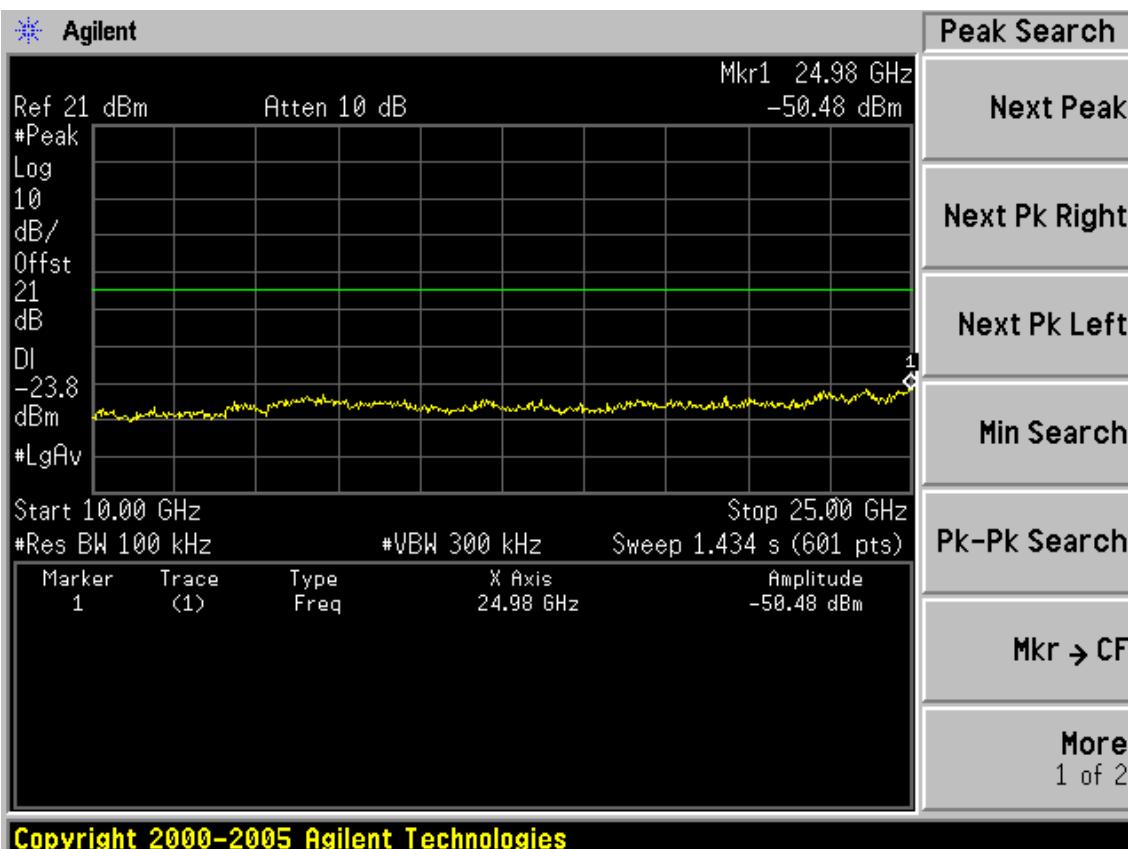
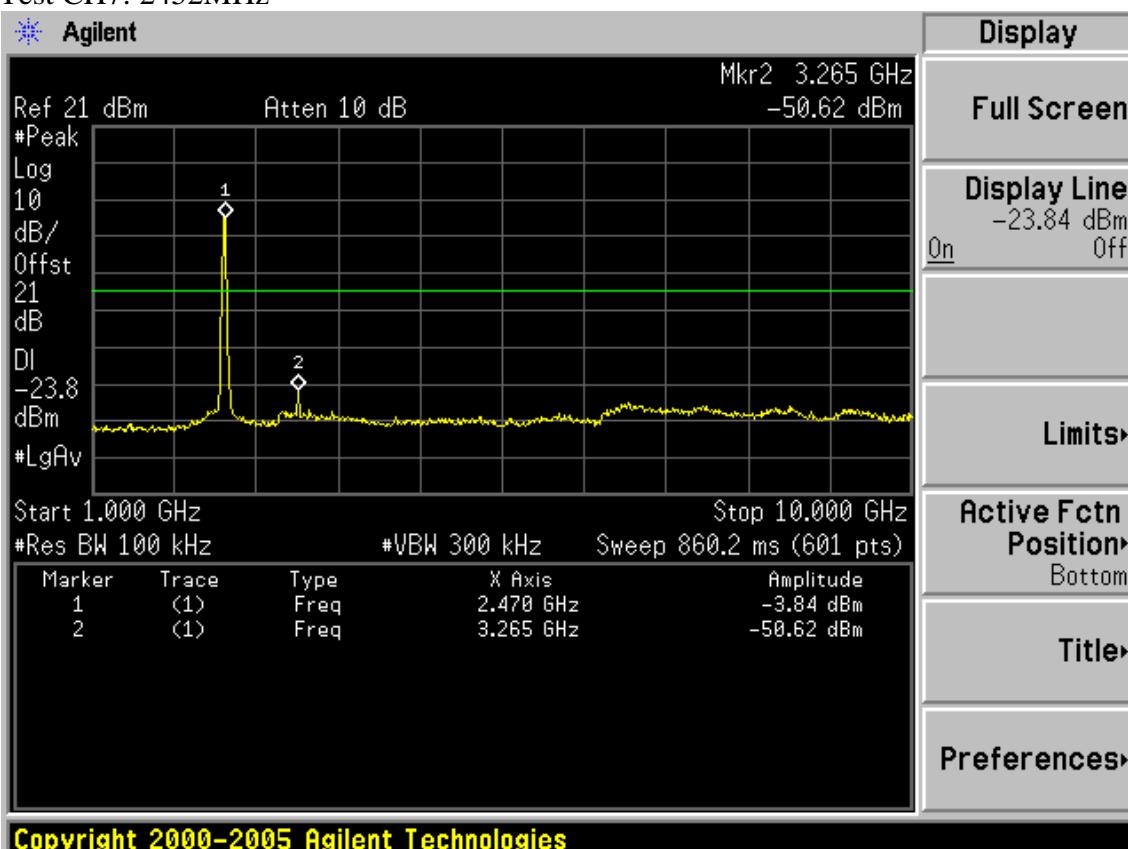


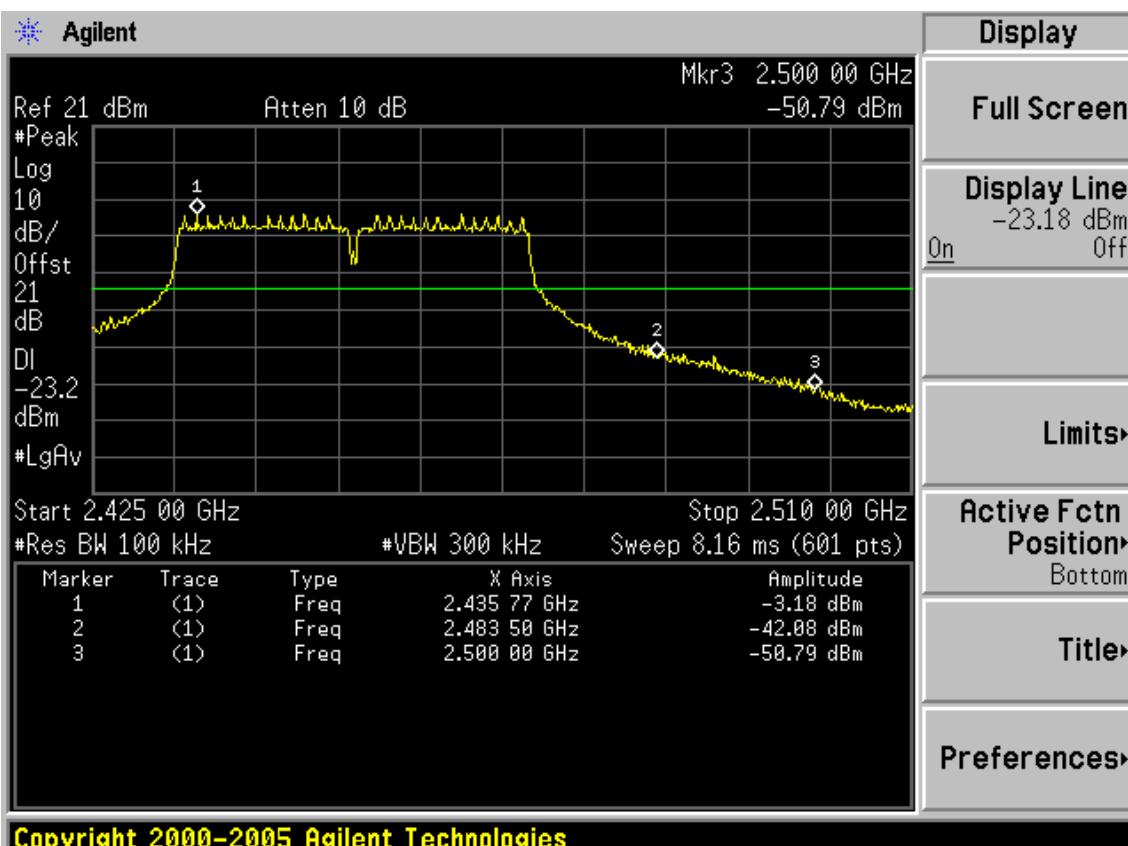
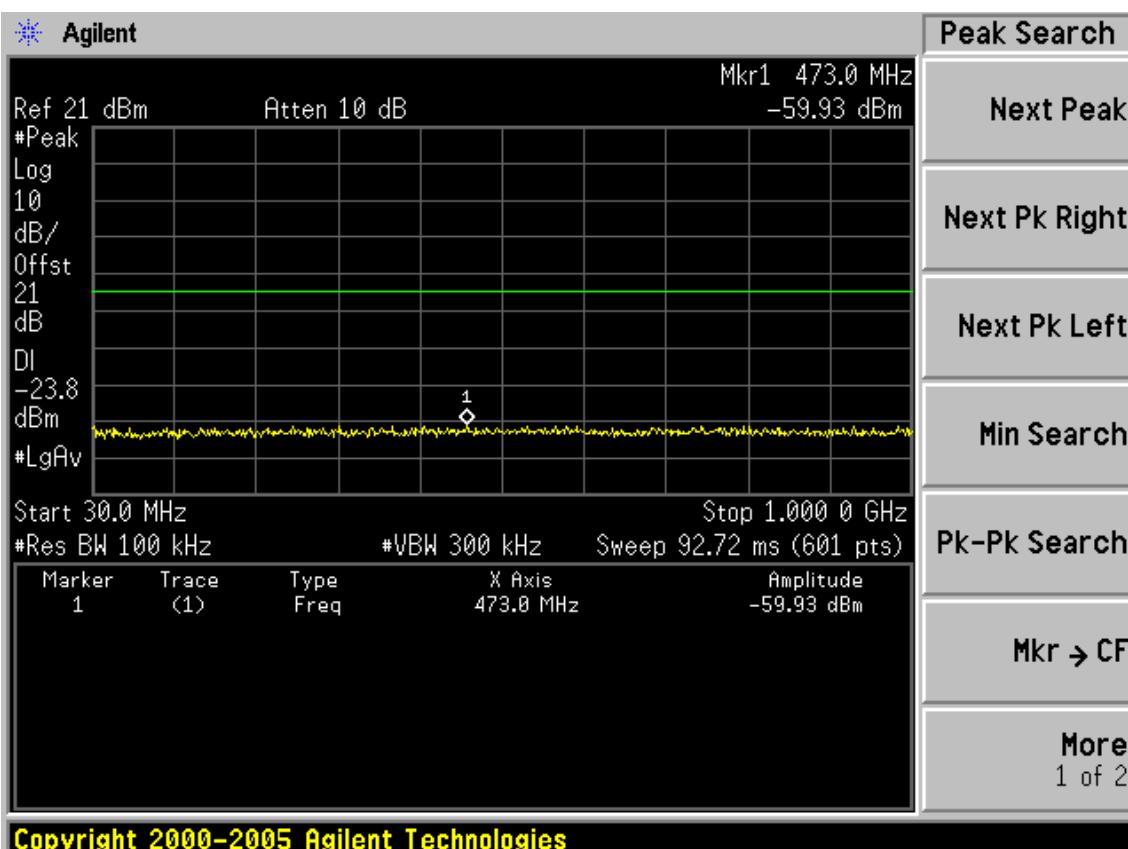
Test CH4: 2437MHz





Test CH7: 2452MHz





## 6. BAND EDGE COMPLIANCE TEST

### 6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.08, 12	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year

### 6.2. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

### 6.3. Test Produce

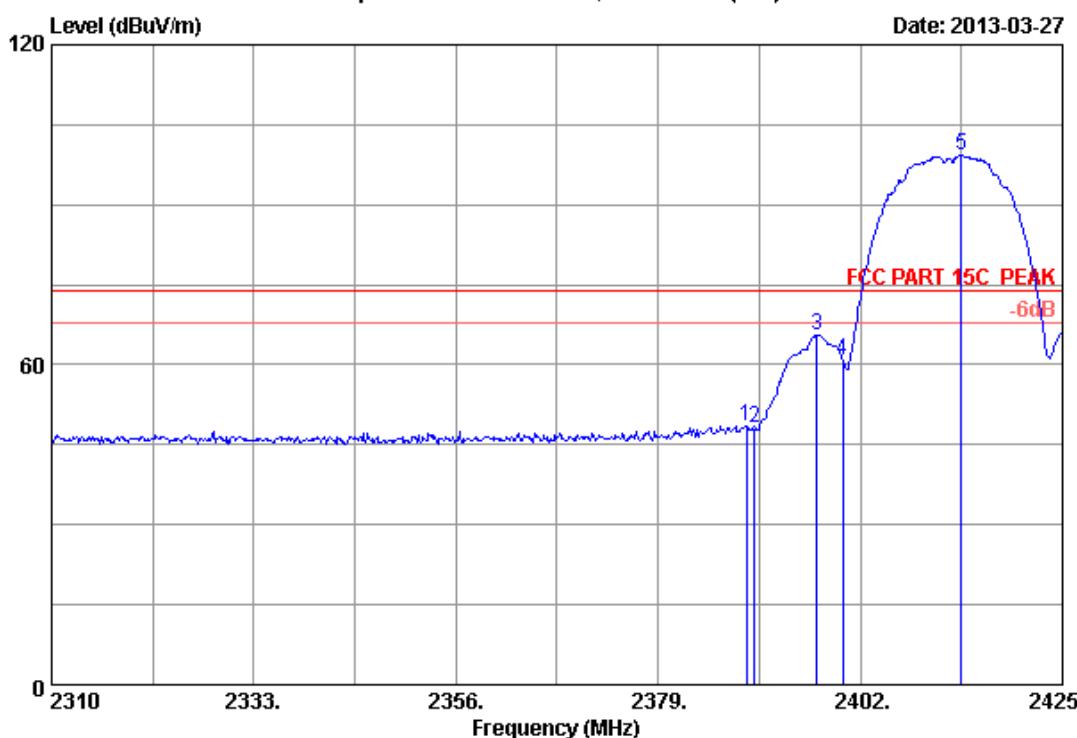
1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
  - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

### 6.4. Test Results

Pass (The testing data was attached in the next pages.)

## ANT: N2410CM-T-30U

Data: 3 File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

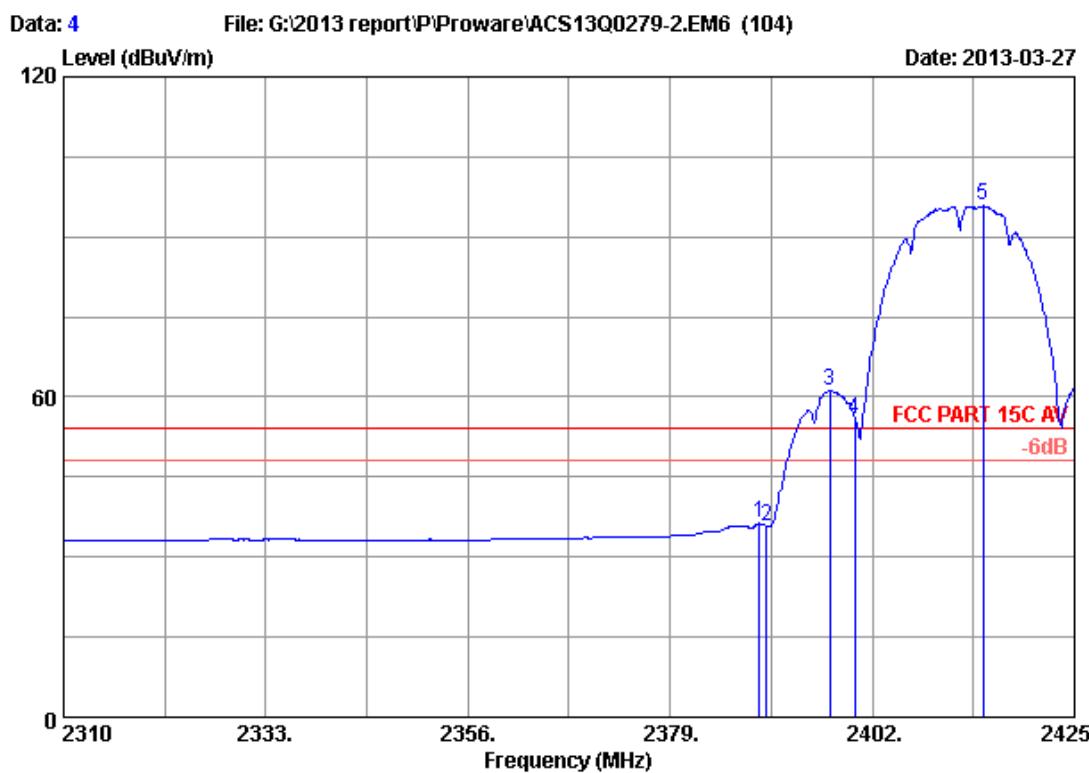


Site no. : 3m Chamber Data no. : 3  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

		Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2389.005	26.69	6.00	35.92	51.83	48.60	74.00	25.40	Peak
2	2390.000	26.70	6.00	35.92	51.26	48.04	74.00	25.96	Peak
3	2397.055	26.74	6.01	35.92	68.75	65.58	74.00	8.42	Peak
4	2400.000	26.76	6.02	35.92	63.96	60.82	74.00	13.18	Peak
5	2413.500	26.85	6.04	35.92	102.27	99.24	74.00	-25.24	Peak

## Remarks:

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

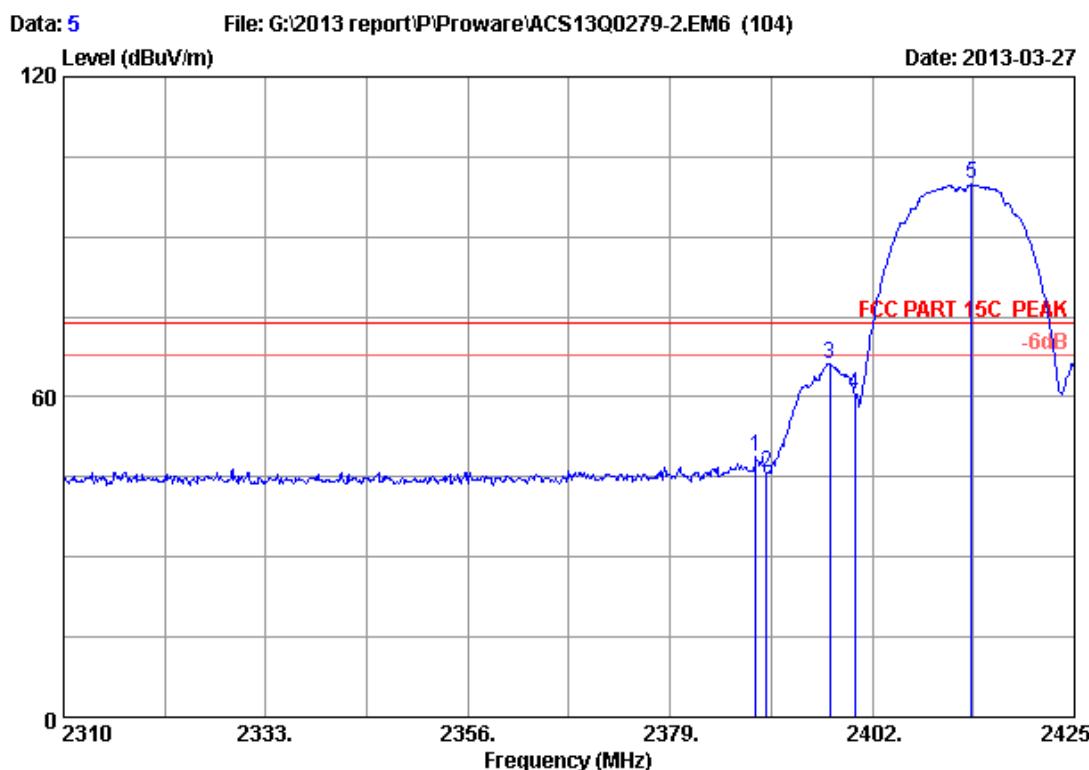


Site no. : 3m Chamber Data no. : 4  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.120	26.69	6.00	35.92	39.50	36.27	54.00	17.73 Average
2	2390.000	26.70	6.00	35.92	39.04	35.82	54.00	18.18 Average
3	2397.170	26.74	6.01	35.92	64.45	61.28	54.00	-7.28 Average
4	2400.000	26.76	6.02	35.92	59.05	55.91	54.00	-1.91 Average
5	2414.650	26.85	6.04	35.92	98.81	95.78	54.00	-41.78 Average

## Remarks:

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

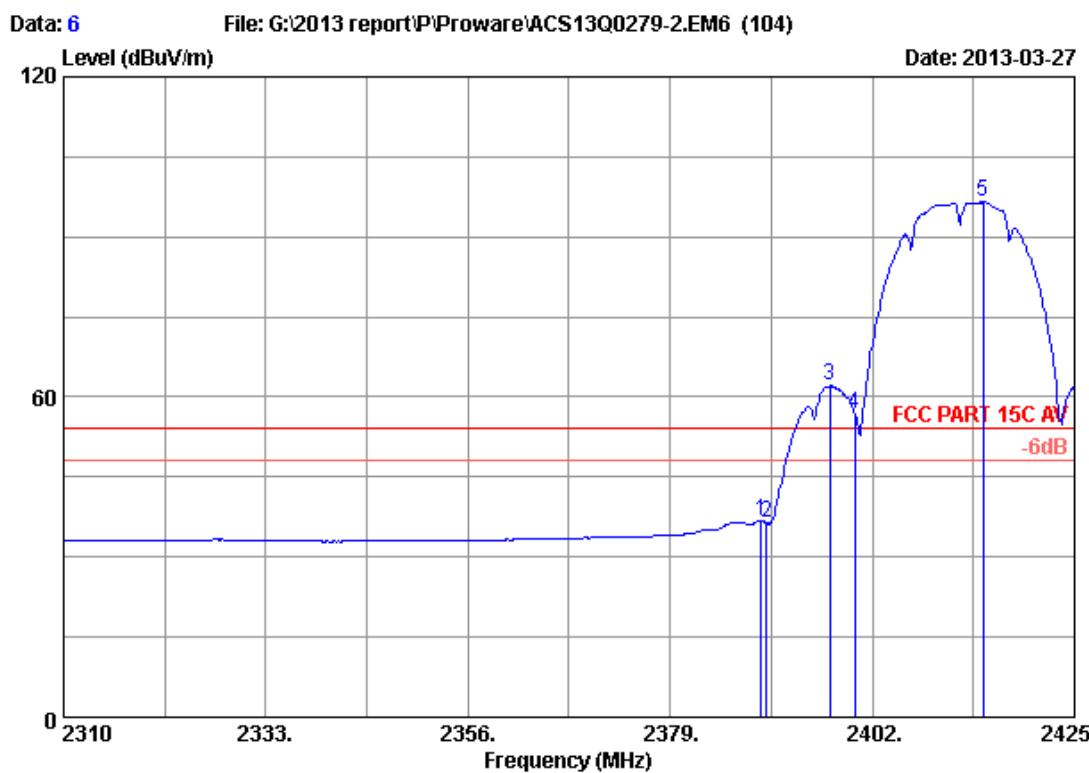


Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2388.775	26.69	6.00	35.92	52.04	48.81	74.00	25.19 Peak
2	2390.000	26.70	6.00	35.92	49.03	45.81	74.00	28.19 Peak
3	2397.170	26.74	6.01	35.92	69.40	66.23	74.00	7.77 Peak
4	2400.000	26.76	6.02	35.92	63.59	60.45	74.00	13.55 Peak
5	2413.270	26.84	6.04	35.92	102.82	99.78	74.00	-25.78 Peak

Remarks:

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

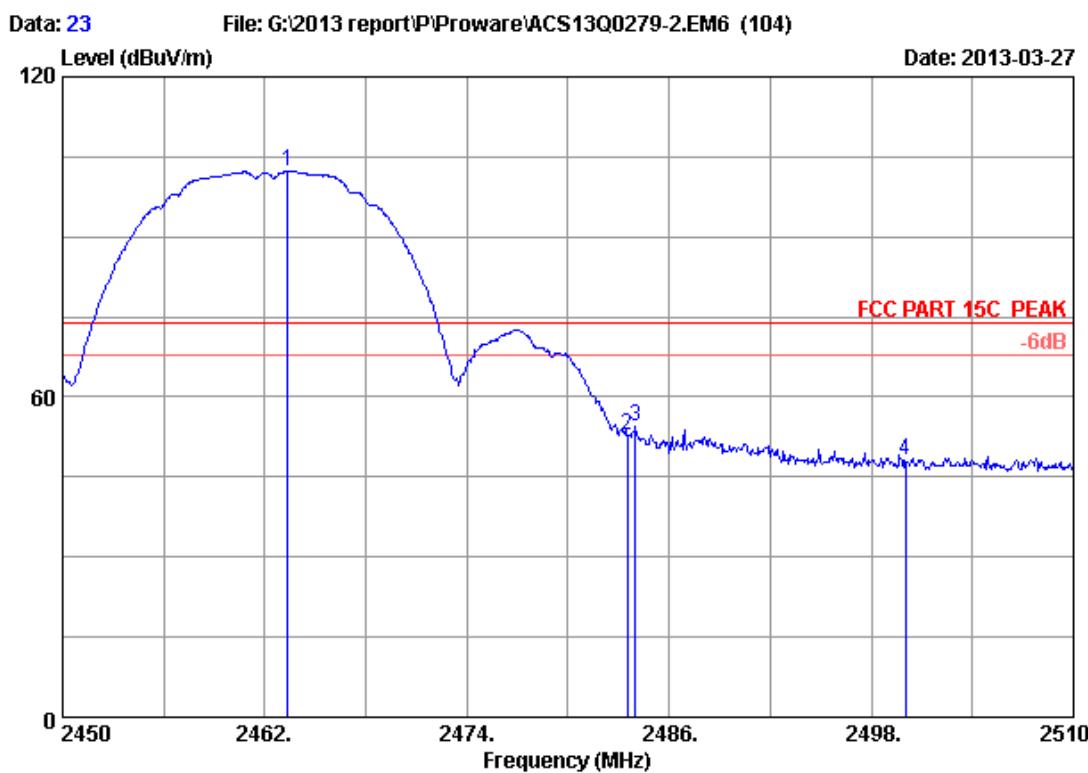


Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.350	26.69	6.00	35.92	40.09	36.86	54.00	17.14 Average
2	2390.000	26.70	6.00	35.92	39.58	36.36	54.00	17.64 Average
3	2397.170	26.74	6.01	35.92	65.25	62.08	54.00	-8.08 Average
4	2400.000	26.76	6.02	35.92	59.82	56.68	54.00	-2.68 Average
5	2414.650	26.85	6.04	35.92	99.60	96.57	54.00	-42.57 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 23  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2463.380	27.17	6.13	35.92	104.85	102.23	74.00 -28.23 Peak
2	2483.500	27.29	6.16	35.92	55.37	52.90	74.00 21.10 Peak
3	2484.020	27.30	6.16	35.92	56.84	54.38	74.00 19.62 Peak
4	2500.000	27.40	6.19	35.93	50.39	48.05	74.00 25.95 Peak

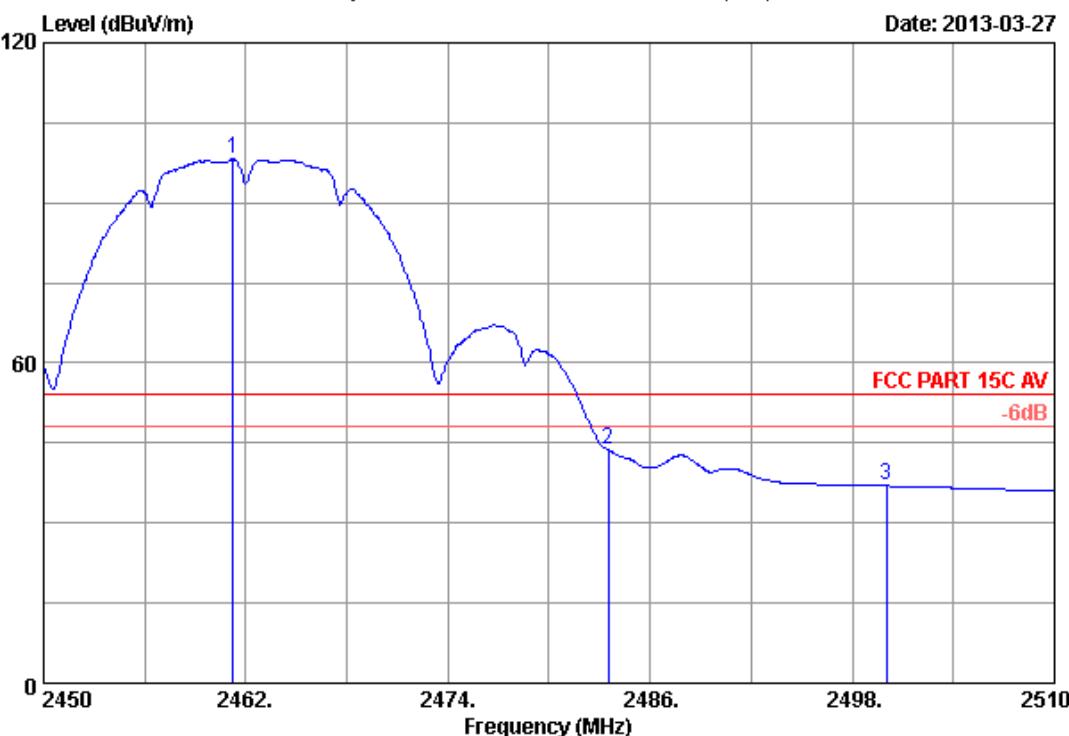
Remarks:

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

Data: 24

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 24  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.220	27.15	6.12	35.92	100.78	98.13	54.00	-44.13 Average
2	2483.500	27.29	6.16	35.92	46.20	43.73	54.00	10.27 Average
3	2500.000	27.40	6.19	35.93	39.34	37.00	54.00	17.00 Average

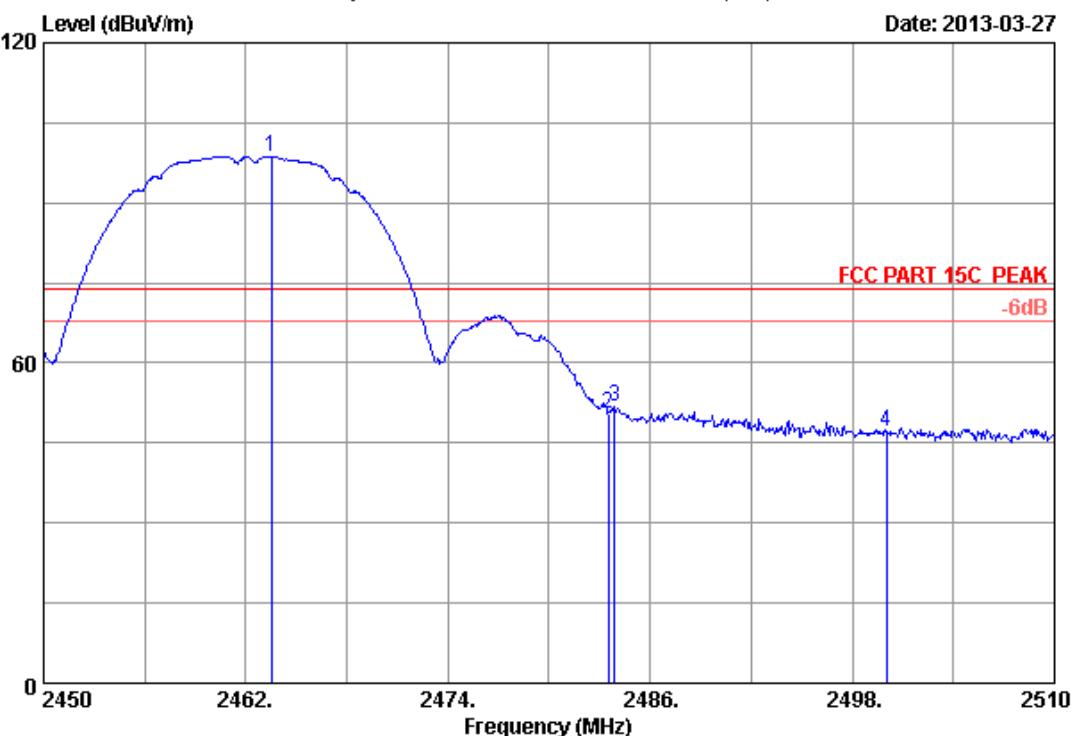
## Remarks:

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

Data: 25

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 25  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2463.500	27.17	6.13	35.92	101.28	98.66	74.00	-24.66 Peak
2	2483.500	27.29	6.16	35.92	53.10	50.63	74.00	23.37 Peak
3	2483.900	27.30	6.16	35.92	54.27	51.81	74.00	22.19 Peak
4	2500.000	27.40	6.19	35.93	49.32	46.98	74.00	27.02 Peak

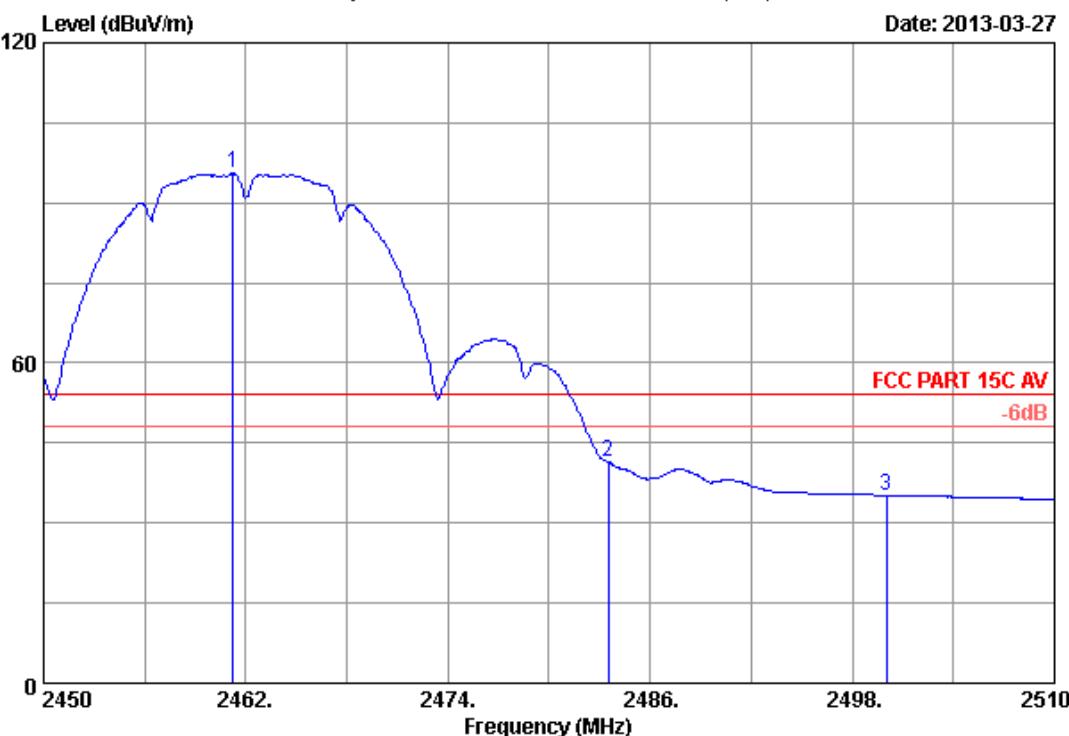
## Remarks:

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

Data: 26

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 26  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.220	27.15	6.12	35.92	98.14	95.49	54.00	-41.49 Average
2	2483.500	27.29	6.16	35.92	43.94	41.47	54.00	12.53 Average
3	2500.000	27.40	6.19	35.93	37.51	35.17	54.00	18.83 Average

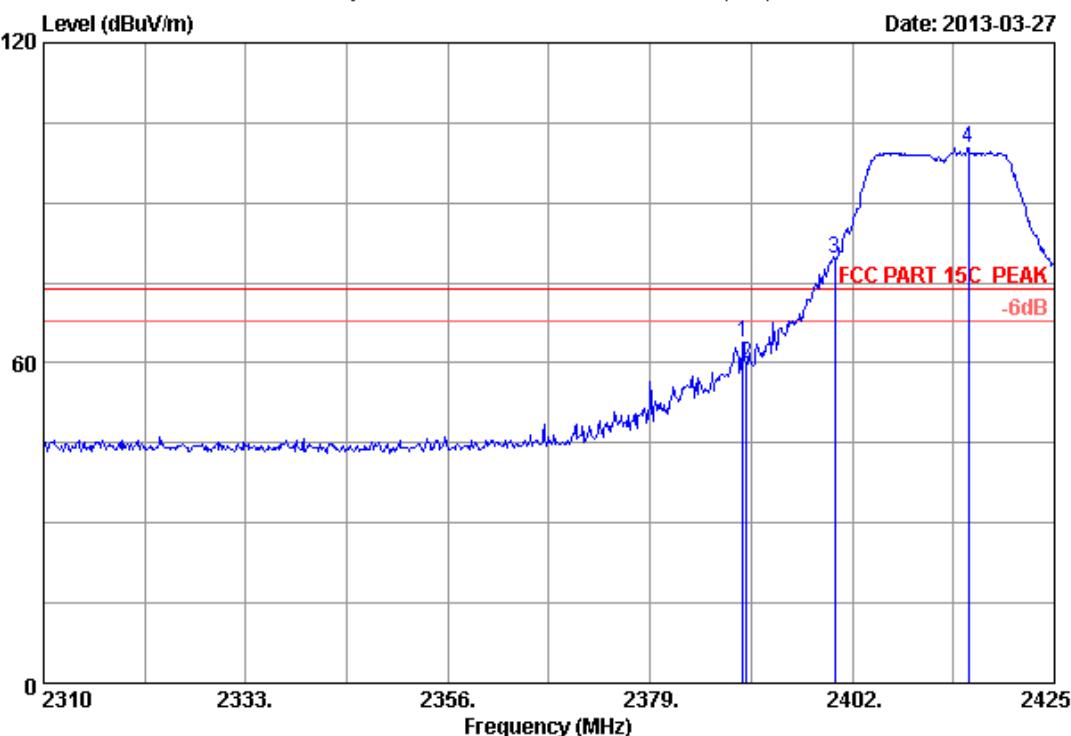
## Remarks:

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

Data: 29

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 29  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	2389.580	26.69	6.00	35.92	66.96	63.73	74.00	10.27 Peak
2	2390.000	26.70	6.00	35.92	63.20	59.98	74.00	14.02 Peak
3	2400.000	26.76	6.02	35.92	82.72	79.58	74.00	-5.58 Peak
4	2415.225	26.86	6.04	35.92	103.45	100.43	74.00	-26.43 Peak

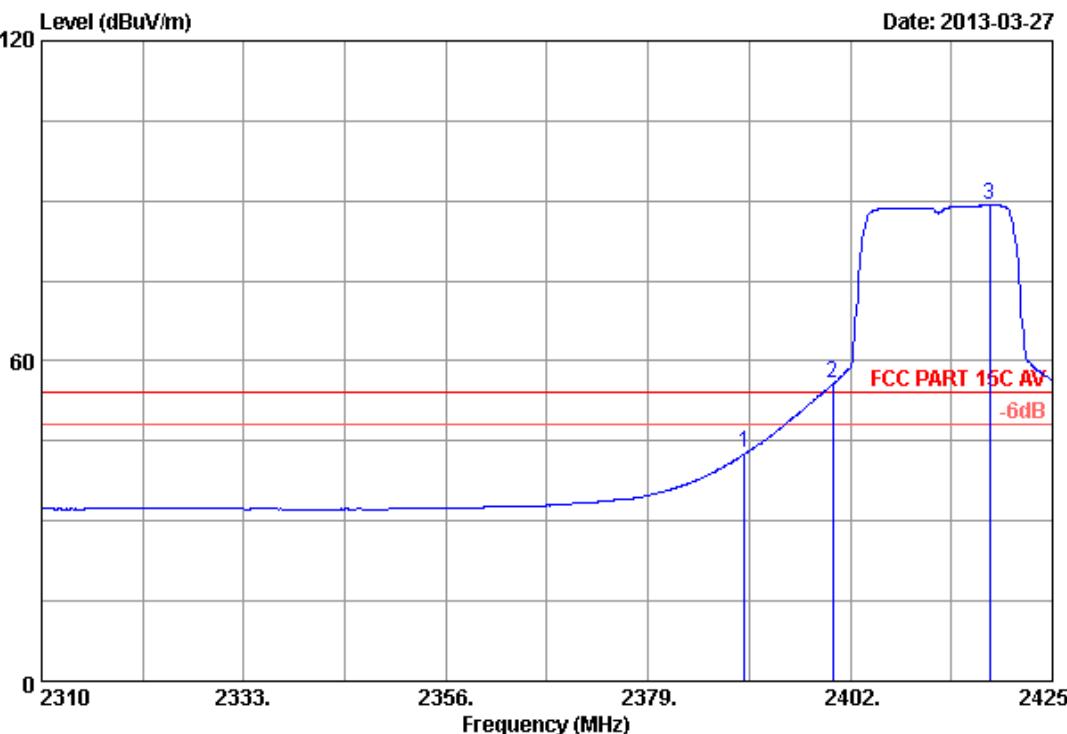
## Remarks:

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

Data: 30

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no.	:	3m Chamber	Data no.	:	30
Dis. / Ant.	:	3m 2012 3115 (4580)	Ant. pol.	:	HORIZONTAL
Limit	:	FCC PART 15C AV			
Env. / Ins.	:	23°C/54%	Engineer	:	Leo-Li
EUT	:	Wireless Lite-N USB Module			
Power supply	:	DC 5V From PC input AC 120V/60Hz			
Test mode	:	IEEE802.11g CH1 2412MHz Tx			
M/N	:	PW-MN421			
	:	N2410CM-T-30U			

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	45.85	42.63	54.00	11.37 Average
2	2400.000	26.76	6.02	35.92	58.92	55.78	54.00	-1.78 Average
3	2417.870	26.87	6.05	35.92	92.16	89.16	54.00	-35.16 Average

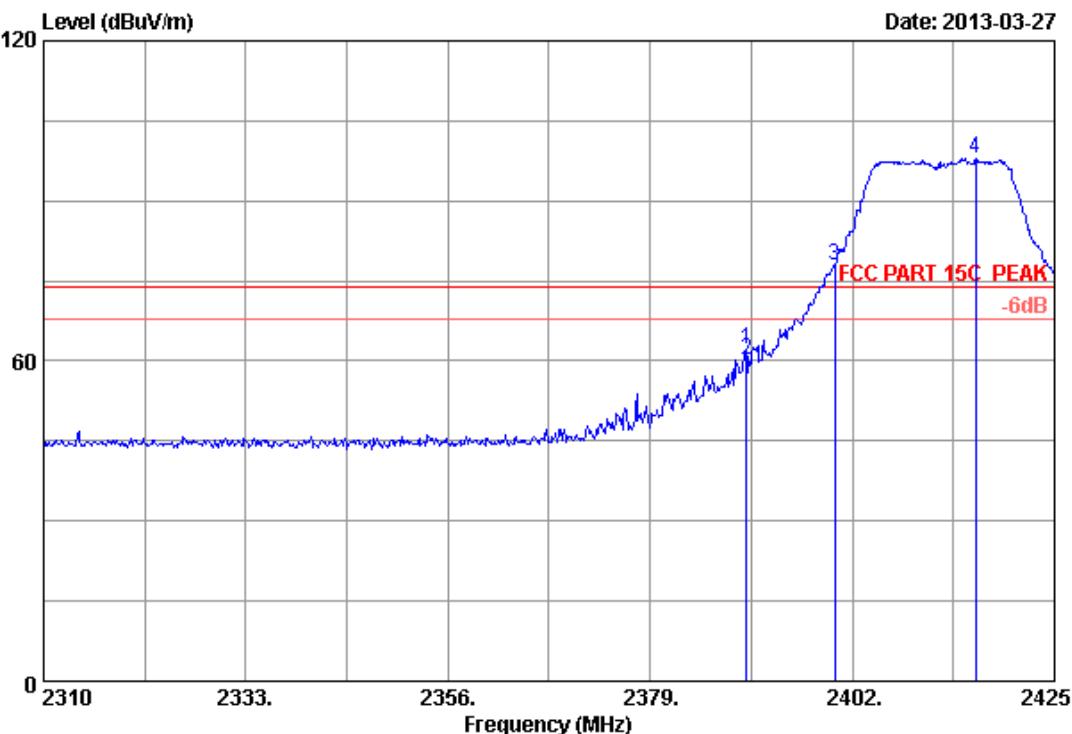
**Remarks:**

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

Data: 31

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

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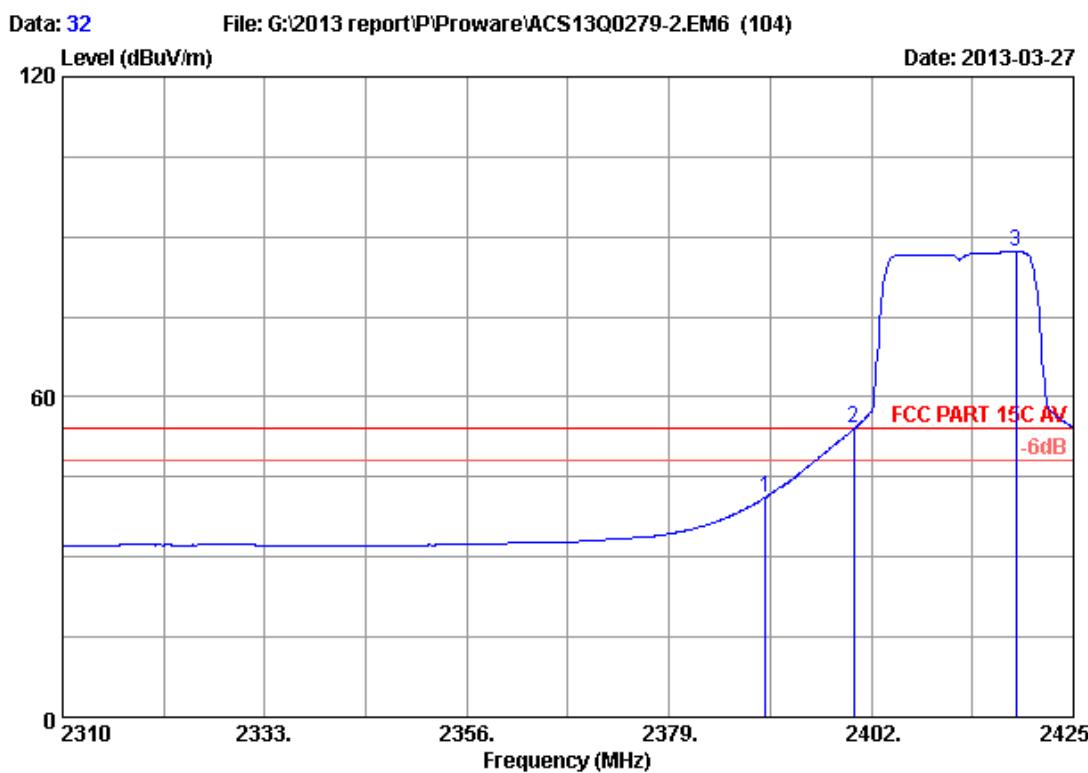


Site no. : 3m Chamber Data no. : 31  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.925	26.70	6.00	35.92	65.37	62.15	74.00	11.85 Peak
2	2390.000	26.70	6.00	35.92	63.24	60.02	74.00	13.98 Peak
3	2400.000	26.76	6.02	35.92	81.03	77.89	74.00	-3.89 Peak
4	2416.030	26.86	6.04	35.92	101.09	98.07	74.00	-24.07 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 32  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	44.49	41.27	54.00	12.73 Average
2	2400.000	26.76	6.02	35.92	57.28	54.14	54.00	-0.14 Average
3	2418.445	26.88	6.05	35.92	90.13	87.14	54.00	-33.14 Average

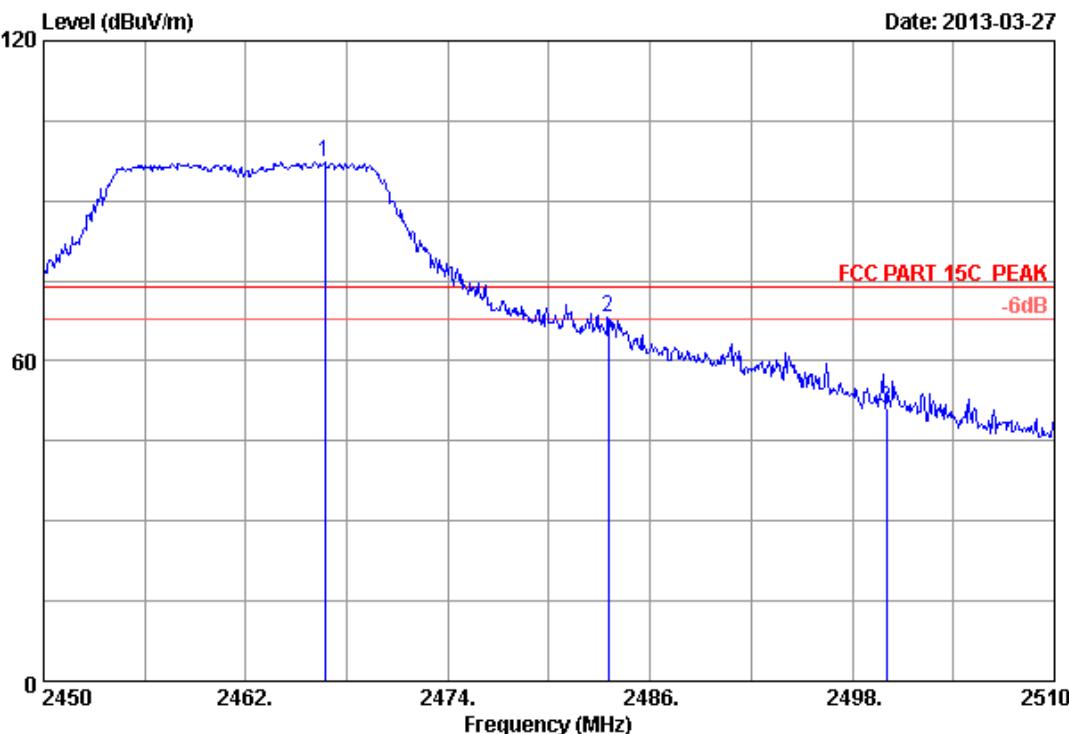
Remarks:

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

Data: 45

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no.	:	3m Chamber	Data no.	:	45
Dis. / Ant.	:	3m 2012 3115 (4580)	Ant. pol.	:	HORIZONTAL
Limit	:	FCC PART 15C PEAK			
Env. / Ins.	:	23°C/54%	Engineer	:	Leo-Li
EUT	:	Wireless Lite-N USB Module			
Power supply	:	DC 5V From PC input AC 120V/60Hz			
Test mode	:	IEEE802.11g CH11 2462MHz Tx			
M/N	:	PW-MN421			
	:	N2410CM-T-30U			

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2466.680	27.19	6.13	35.92	100.01	97.41	74.00	-23.41 Peak
2	2483.500	27.29	6.16	35.92	70.55	68.08	74.00	5.92 Peak
3	2500.000	27.40	6.19	35.93	53.61	51.27	74.00	22.73 Peak

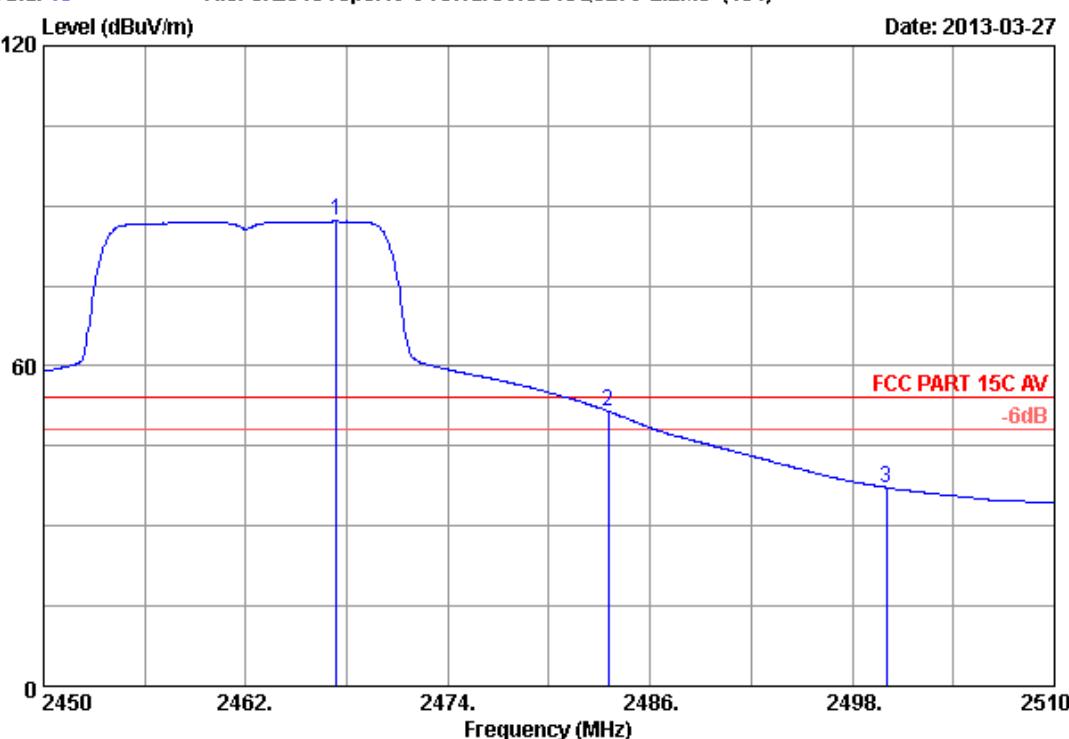
**Remarks:**

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

Data: 46

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27

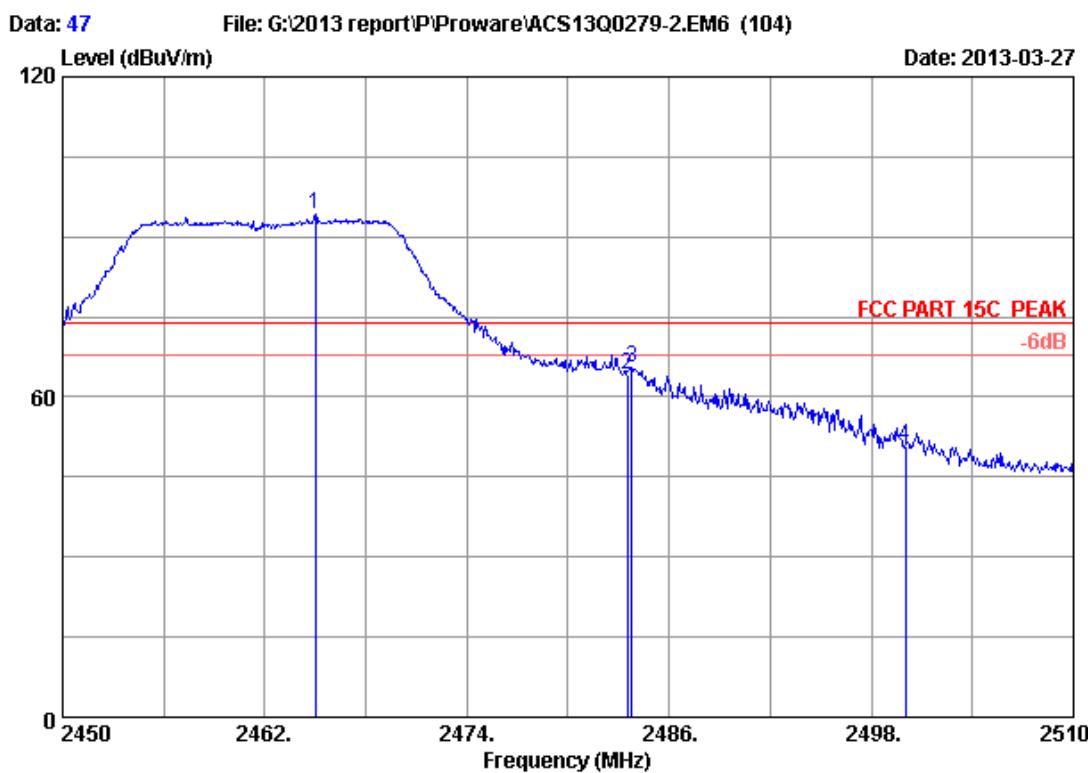


Site no. : 3m Chamber Data no. : 46  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2467.400	27.19	6.13	35.92	89.68	87.08	54.00	-33.08 Average
2	2483.500	27.29	6.16	35.92	53.98	51.51	54.00	2.49 Average
3	2500.000	27.40	6.19	35.93	39.59	37.25	54.00	16.75 Average

**Remarks:**

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



Site no. : 3m Chamber Data no. : 47  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2465.000	27.18	6.13	35.92	97.00	94.39	74.00	-20.39 Peak
2	2483.500	27.29	6.16	35.92	66.75	64.28	74.00	9.72 Peak
3	2483.780	27.30	6.16	35.92	68.12	65.66	74.00	8.34 Peak
4	2500.000	27.40	6.19	35.93	53.27	50.93	74.00	23.07 Peak

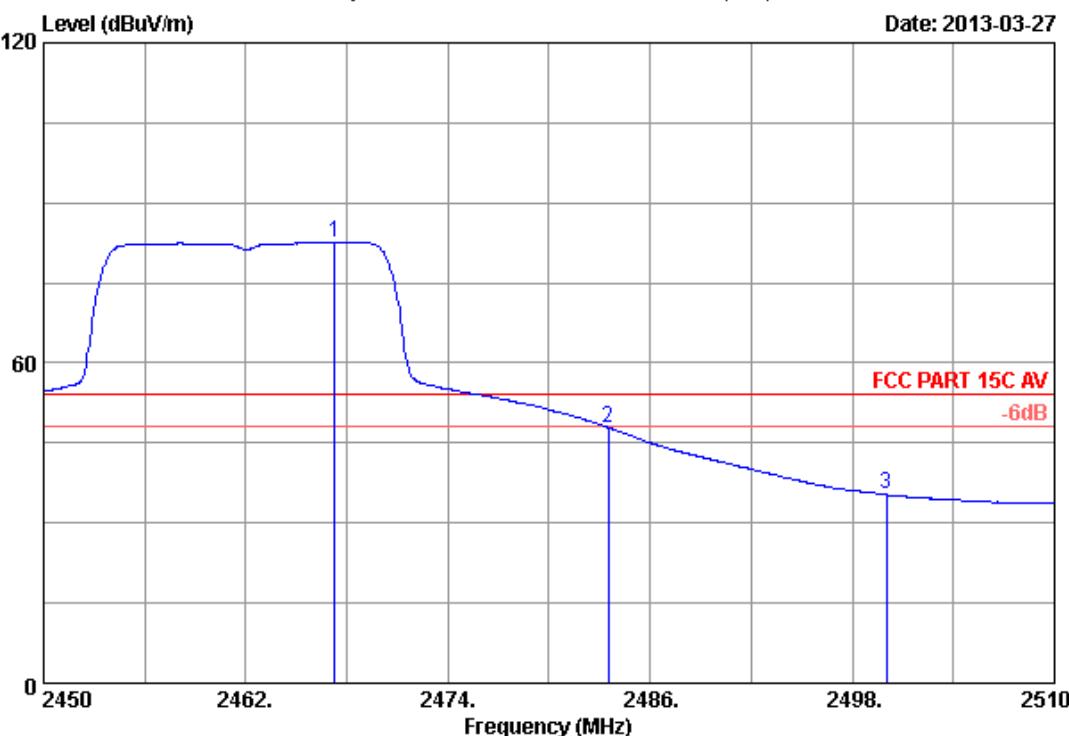
## Remarks:

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

Data: 48

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 48  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1	2467.280	27.19	6.13	35.92	85.19	82.59	54.00 -28.59 Average
2	2483.500	27.29	6.16	35.92	50.33	47.86	54.00 6.14 Average
3	2500.000	27.40	6.19	35.93	37.62	35.28	54.00 18.72 Average

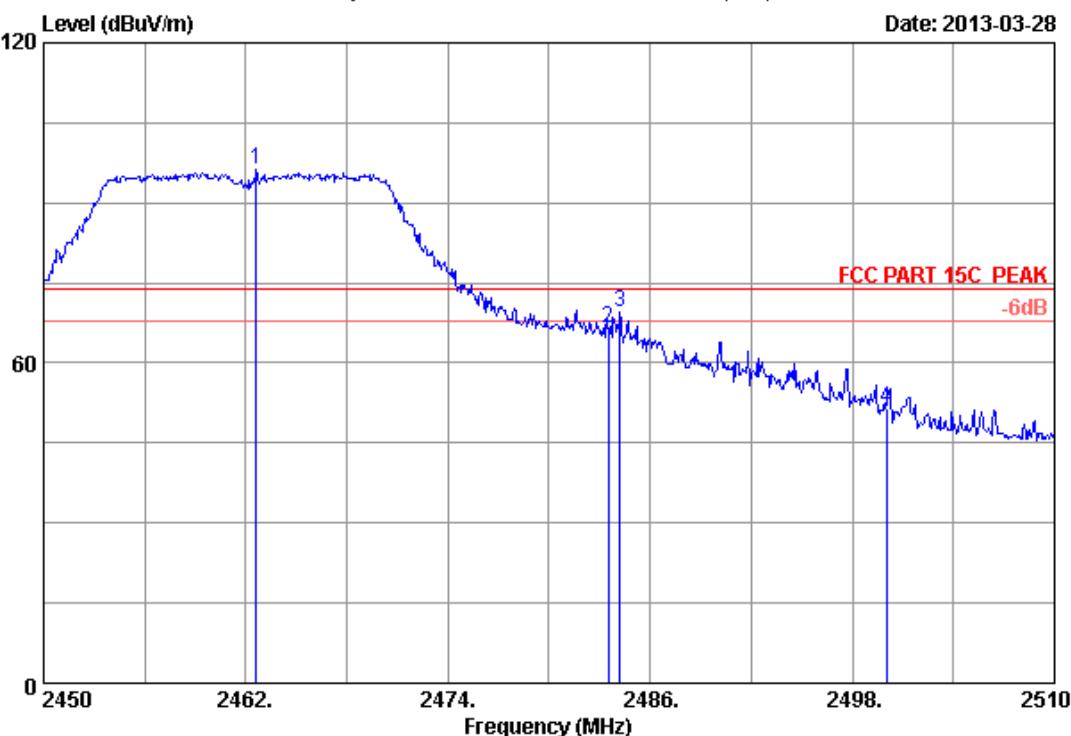
## Remarks:

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

Data: 53

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28



Site no. : 3m Chamber Data no. : 53  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.600	27.16	6.12	35.92	98.99	96.35	74.00	-22.35 Peak
2	2483.500	27.29	6.16	35.92	68.93	66.46	74.00	7.54 Peak
3	2484.200	27.30	6.16	35.92	72.06	69.60	74.00	4.40 Peak
4	2500.000	27.40	6.19	35.93	53.95	51.61	74.00	22.39 Peak

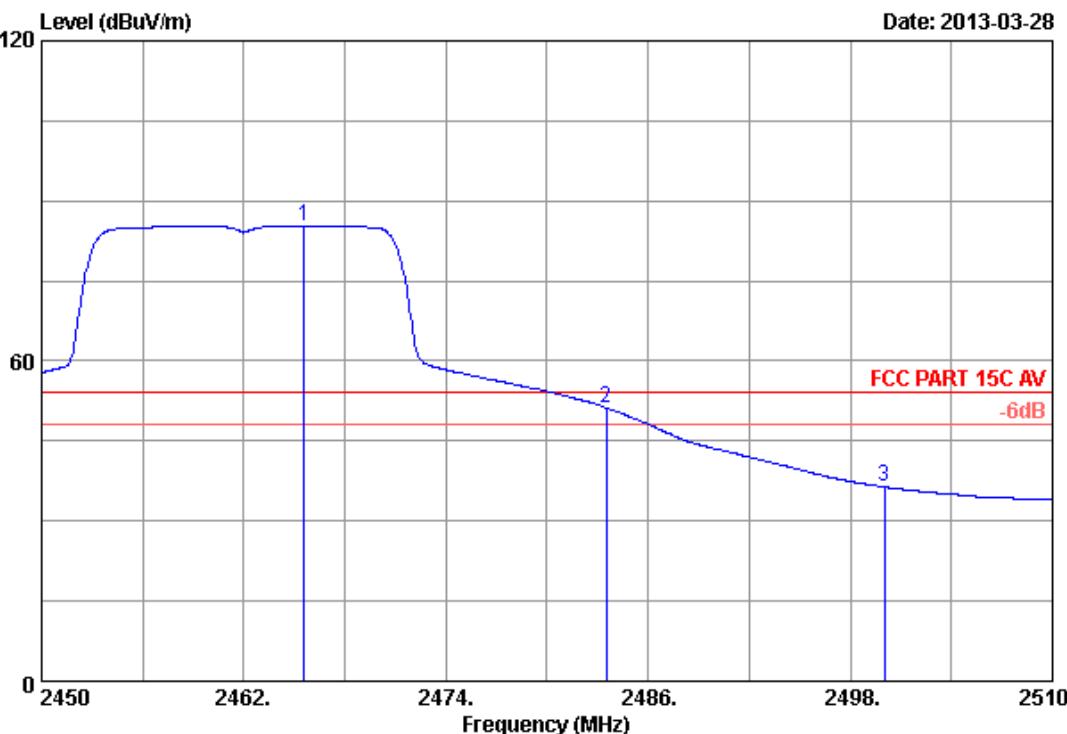
## Remarks:

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

Data: 54

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28

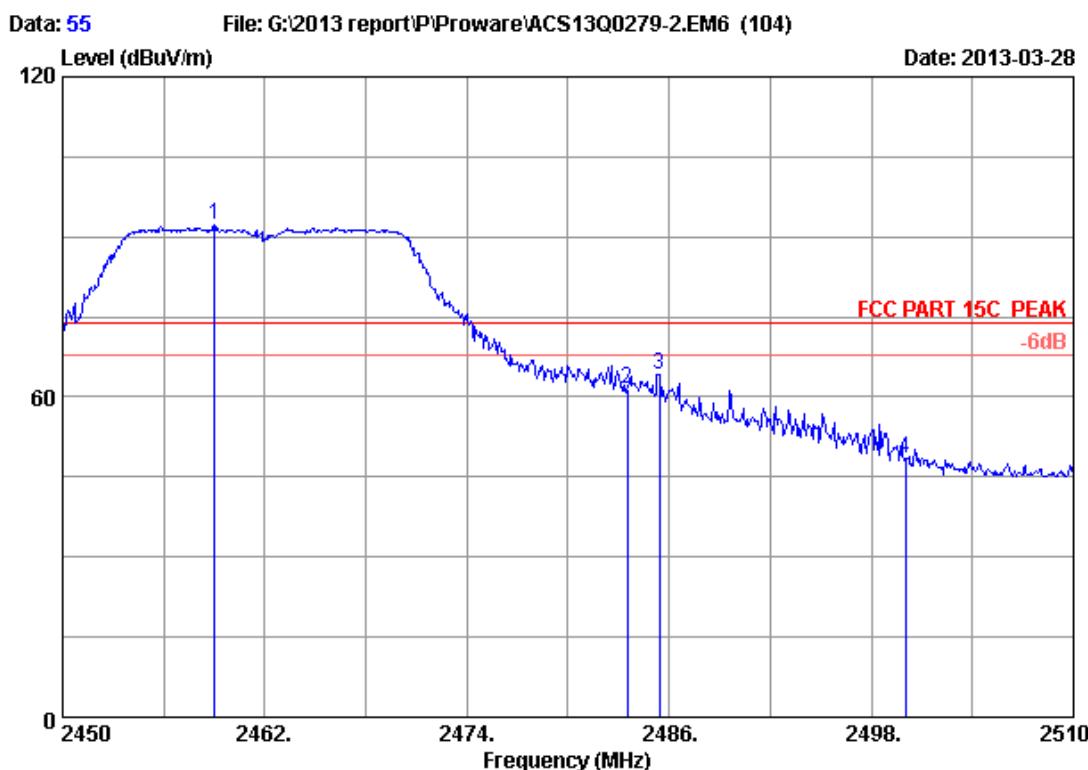


Site no. : 3m Chamber Data no. : 54  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2465.600	27.18	6.13	35.92	87.97	85.36	54.00	-31.36 Average
2	2483.500	27.29	6.16	35.92	53.65	51.18	54.00	2.82 Average
3	2500.000	27.40	6.19	35.93	38.79	36.45	54.00	17.55 Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 55  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2459.000	27.14	6.12	35.92	94.93	92.27	74.00	-18.27 Peak
2	2483.500	27.29	6.16	35.92	63.87	61.40	74.00	12.60 Peak
3	2485.400	27.31	6.16	35.92	66.76	64.31	74.00	9.69 Peak
4	2500.000	27.40	6.19	35.93	50.65	48.31	74.00	25.69 Peak

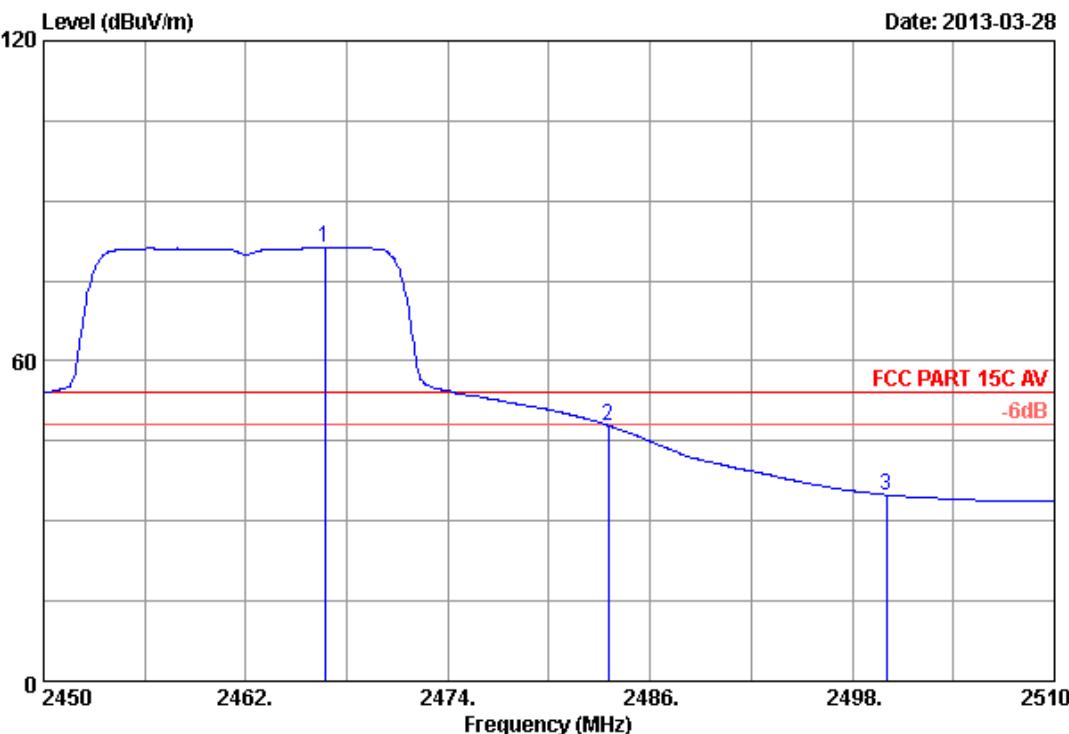
## Remarks:

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

Data: 56

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28



Site no. : 3m Chamber Data no. : 56  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2466.680	27.19	6.13	35.92	83.90	81.30	54.00	-27.30 Average
2	2483.500	27.29	6.16	35.92	50.37	47.90	54.00	6.10 Average
3	2500.000	27.40	6.19	35.93	37.25	34.91	54.00	19.09 Average

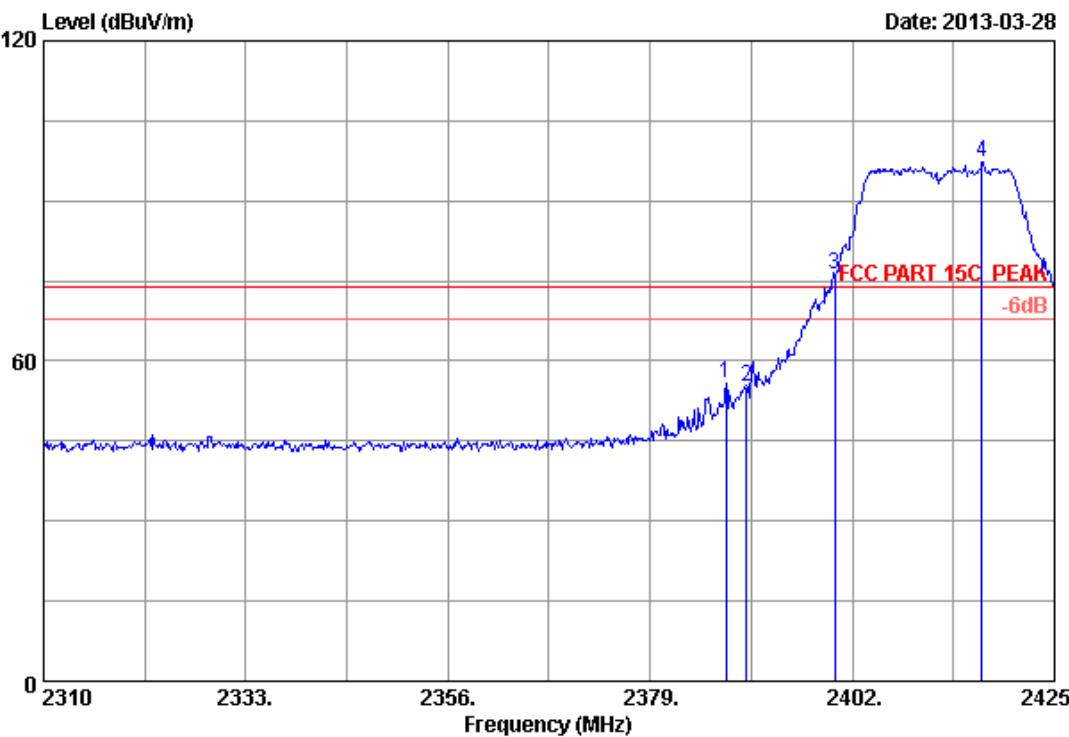
## Remarks:

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

Data: 71

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28

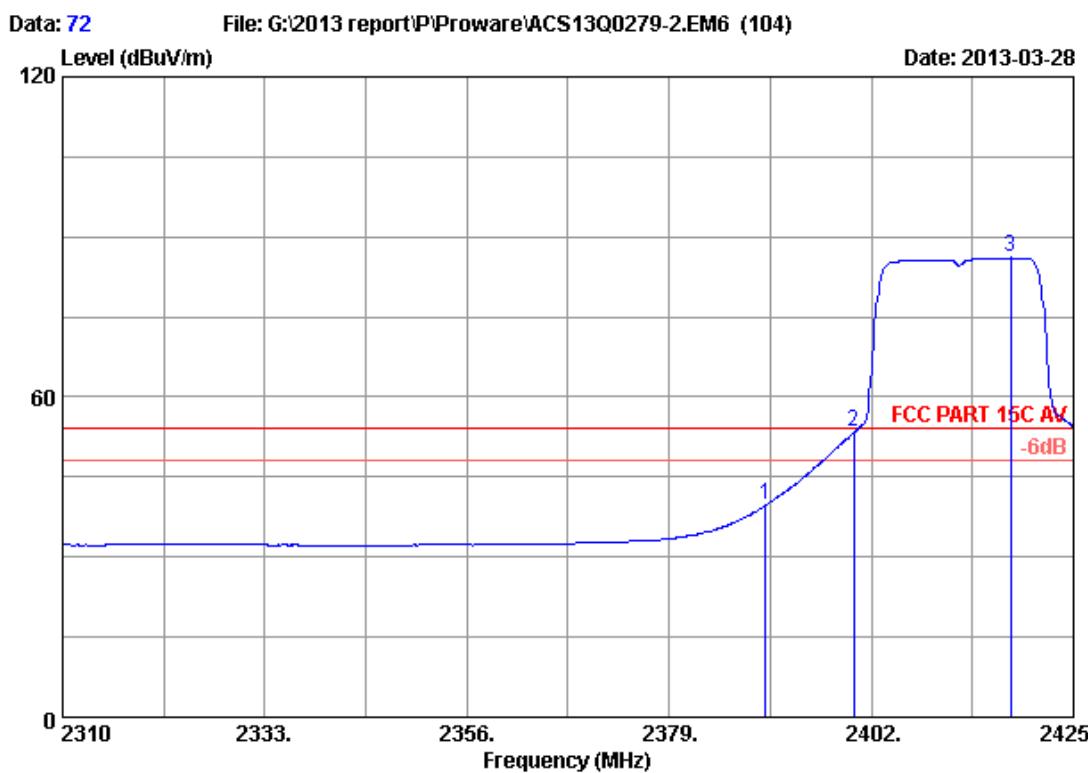


Site no. : 3m Chamber Data no. : 71  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2387.625	26.68	6.00	35.92	59.04	55.80	74.00	18.20 Peak
2	2390.000	26.70	6.00	35.92	58.30	55.08	74.00	18.92 Peak
3	2400.000	26.76	6.02	35.92	79.25	76.11	74.00	-2.11 Peak
4	2416.720	26.87	6.05	35.92	100.41	97.41	74.00	-23.41 Peak

## Remarks:

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

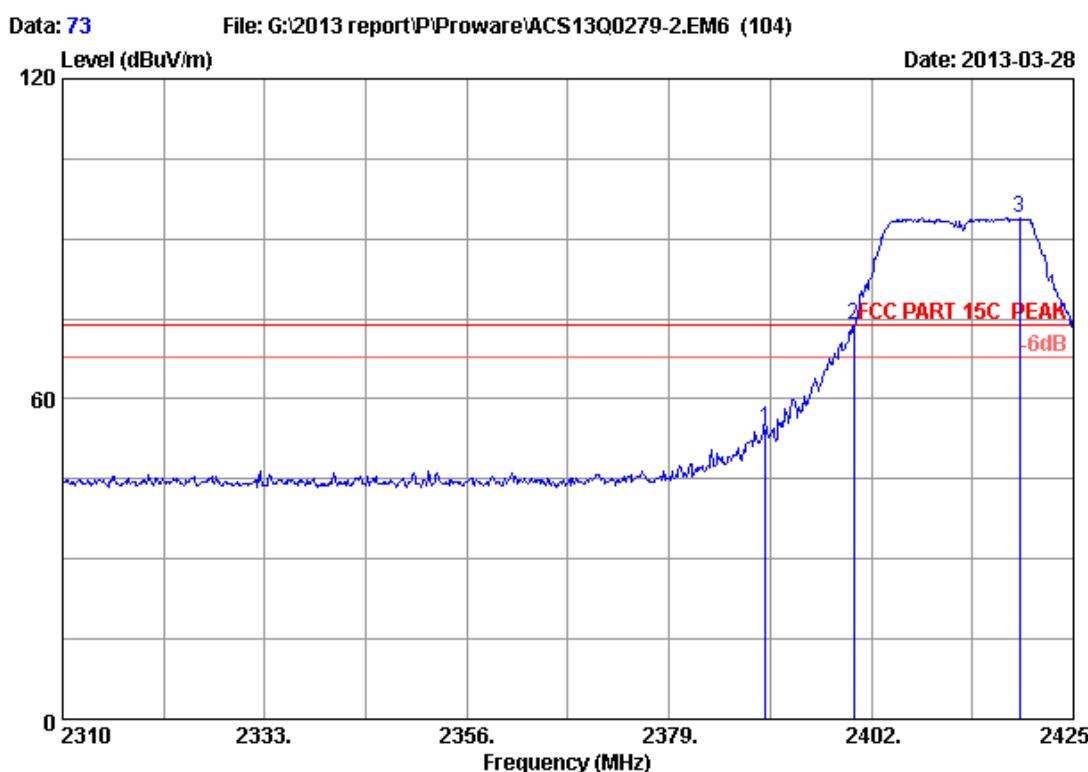


Site no. : 3m Chamber Data no. : 72  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	42.97	39.75	54.00	14.25 Average
2	2400.000	26.76	6.02	35.92	56.53	53.39	54.00	0.61 Average
3	2417.870	26.87	6.05	35.92	89.08	86.08	54.00	-32.08 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 73  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	57.82	54.60	74.00	19.40 Peak
2	2400.000	26.76	6.02	35.92	76.89	73.75	74.00	0.25 Peak
3	2418.905	26.88	6.05	35.92	96.86	93.87	74.00	-19.87 Peak

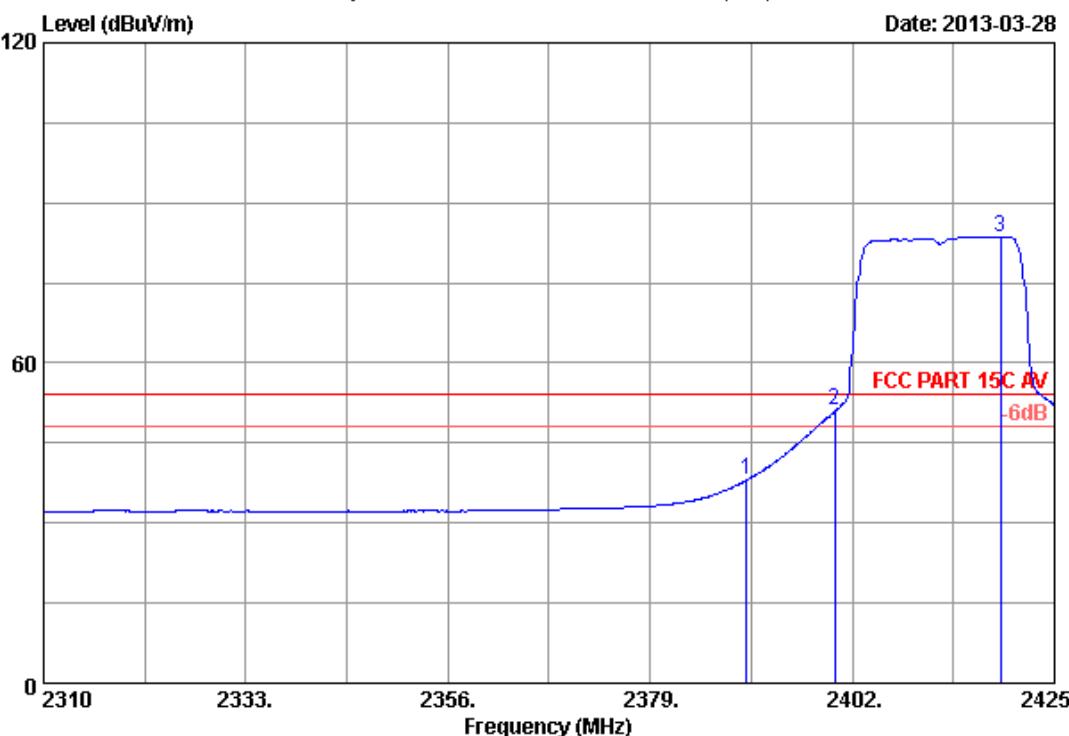
**Remarks:**

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

Data: 74

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

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Site no. : 3m Chamber Data no. : 74  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	41.29	38.07	54.00	15.93 Average
2	2400.000	26.76	6.02	35.92	54.21	51.07	54.00	2.93 Average
3	2418.905	26.88	6.05	35.92	86.71	83.72	54.00	-29.72 Average

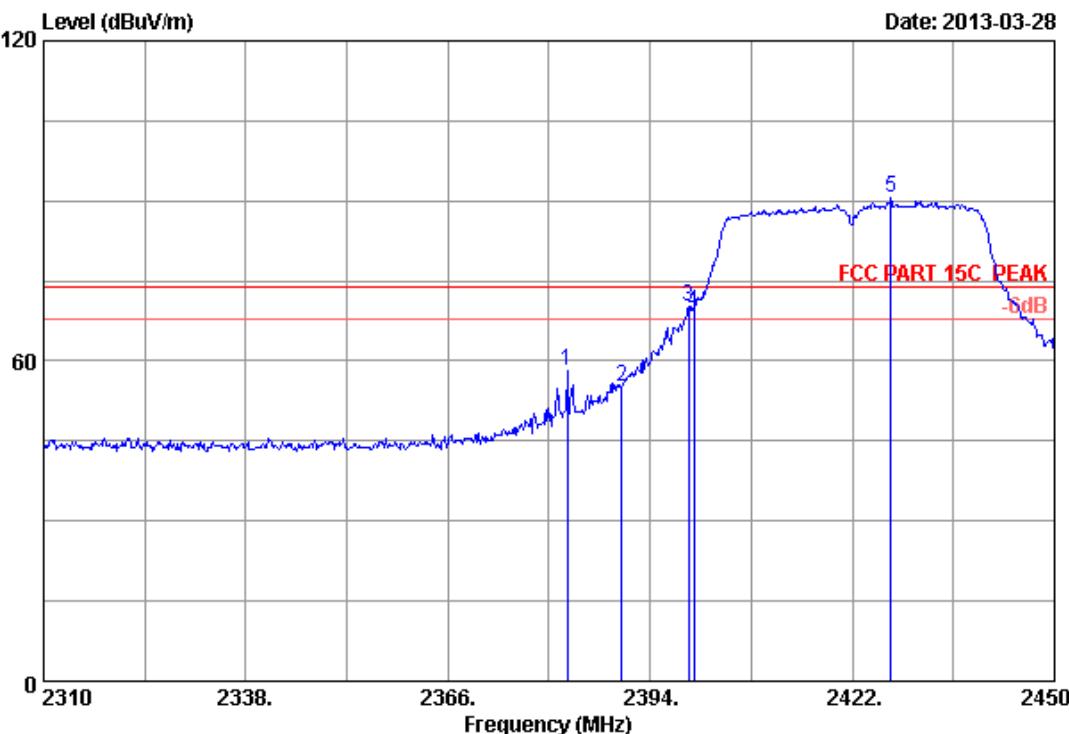
## Remarks:

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

Data: 81

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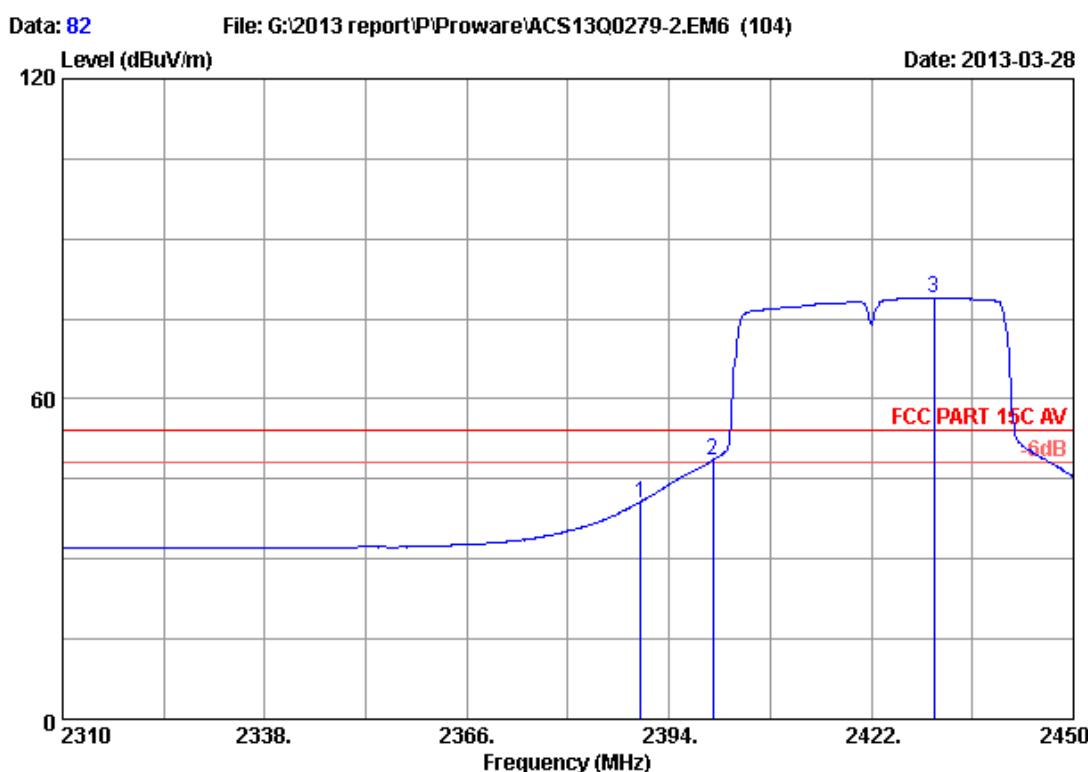


Site no. : 3m Chamber Data no. : 81  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2382.520	26.65	5.99	35.92	61.58	58.30	74.00	15.70 Peak
2	2390.000	26.70	6.00	35.92	58.47	55.25	74.00	18.75 Peak
3	2399.320	26.76	6.02	35.92	73.42	70.28	74.00	3.72 Peak
4	2400.000	26.76	6.02	35.92	72.48	69.34	74.00	4.66 Peak
5	2427.320	26.93	6.06	35.92	93.45	90.52	74.00	-16.52 Peak

**Remarks:**

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



Site no. : 3m Chamber Data no. : 82  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	43.80	40.58	54.00	13.42 Average
2	2400.000	26.76	6.02	35.92	51.72	48.58	54.00	5.42 Average
3	2430.680	26.96	6.07	35.92	81.82	78.93	54.00	-24.93 Average

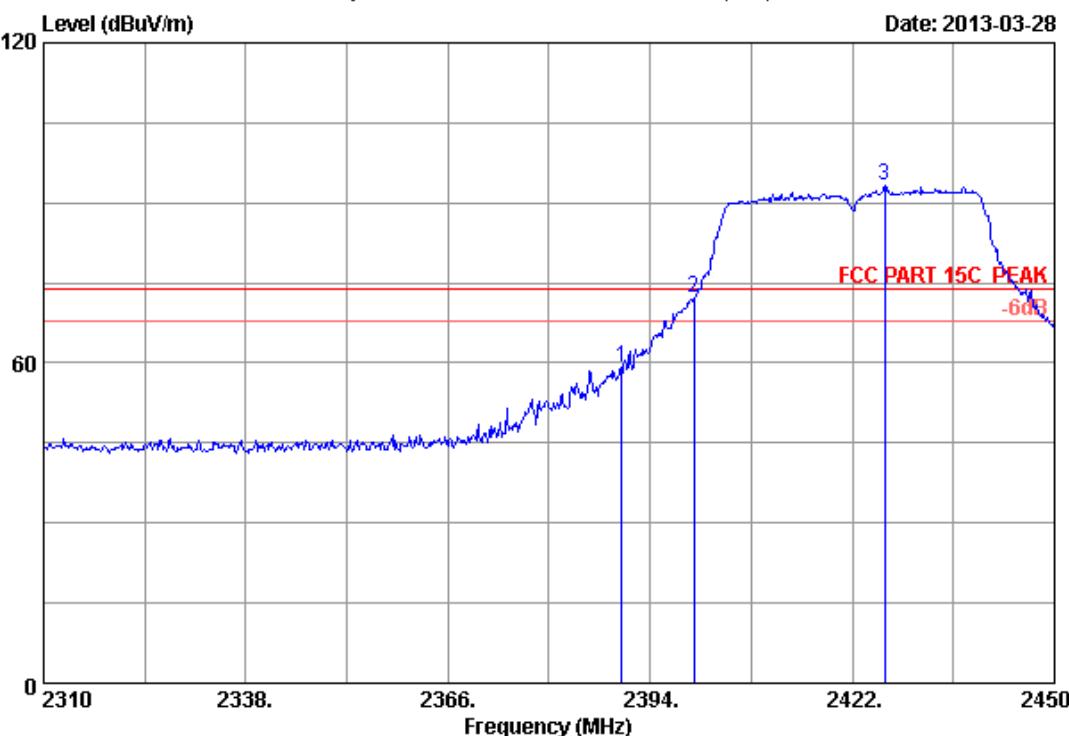
Remarks:

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

Data: 83

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28

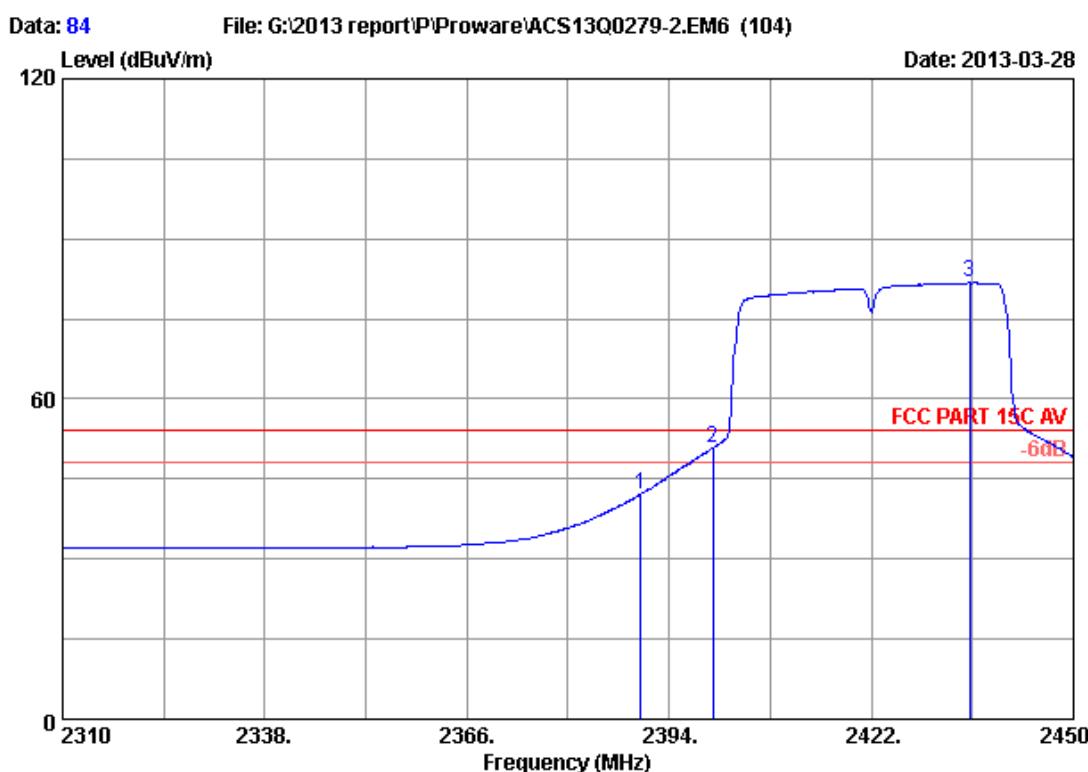


Site no.	:	3m Chamber	Data no.	:	83
Dis. / Ant.	:	3m 2012 3115 (4580)	Ant. pol.	:	HORIZONTAL
Limit	:	FCC PART 15C PEAK			
Env. / Ins.	:	23°C/54%	Engineer	:	Leo-Li
EUT	:	Wireless Lite-N USB Module			
Power supply	:	DC 5V From PC input AC 120V/60Hz			
Test mode	:	IEEE802.11nHT40 CH1 2422MHz Tx			
M/N	:	PW-MN421			
	:	N2410CM-T-30U			

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	62.25	59.03	74.00	14.97 Peak
2	2400.000	26.76	6.02	35.92	75.36	72.22	74.00	1.78 Peak
3	2426.480	26.93	6.06	35.92	96.14	93.21	74.00	-19.21 Peak

**Remarks:**

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

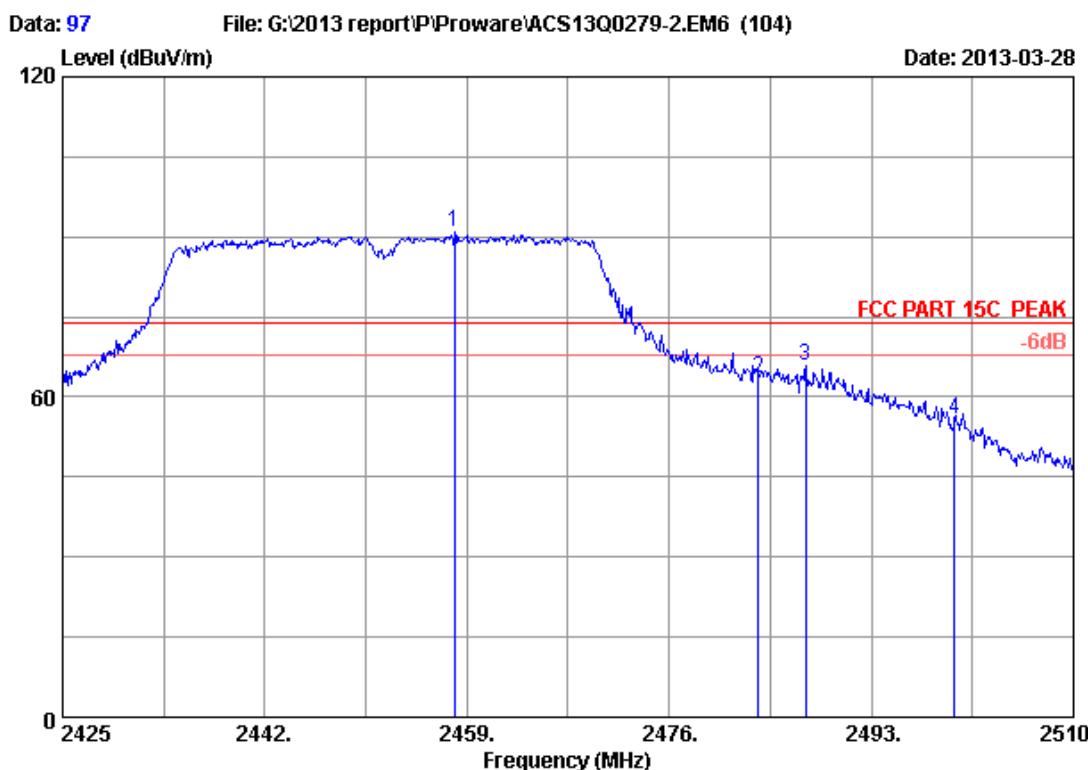


Site no. : 3m Chamber Data no. : 84  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	45.25	42.03	54.00	11.97 Average
2	2400.000	26.76	6.02	35.92	53.93	50.79	54.00	3.21 Average
3	2435.580	26.99	6.08	35.92	84.61	81.76	54.00	-27.76 Average

Remarks:

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



Site no. : 3m Chamber Data no. : 97  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2457.980	27.13	6.12	35.92	93.61	90.94	74.00	-16.94 Peak
2	2483.500	27.29	6.16	35.92	66.14	63.67	74.00	10.33 Peak
3	2487.475	27.32	6.17	35.92	68.44	66.01	74.00	7.99 Peak
4	2500.000	27.40	6.19	35.93	58.21	55.87	74.00	18.13 Peak

**Remarks:**

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

Data: 98

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Date: 2013-03-28



Site no. : 3m Chamber Data no. : 98  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2459.595	27.14	6.12	35.92	82.23	79.57	54.00	-25.57 Average
2	2483.500	27.29	6.16	35.92	53.57	51.10	54.00	2.90 Average
3	2500.000	27.40	6.19	35.93	42.40	40.06	54.00	13.94 Average

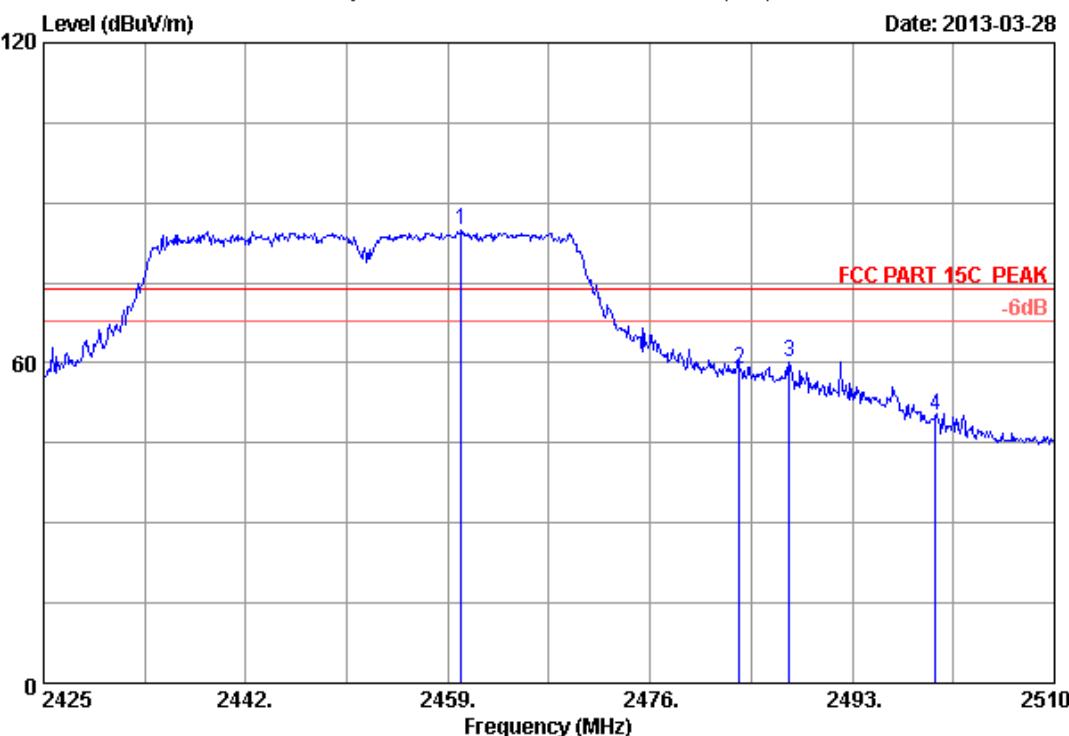
## Remarks:

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

Data: 99

File: G:\2013 report\P\Proware\ACS13Q0279-2.EM6 (104)

Date: 2013-03-28

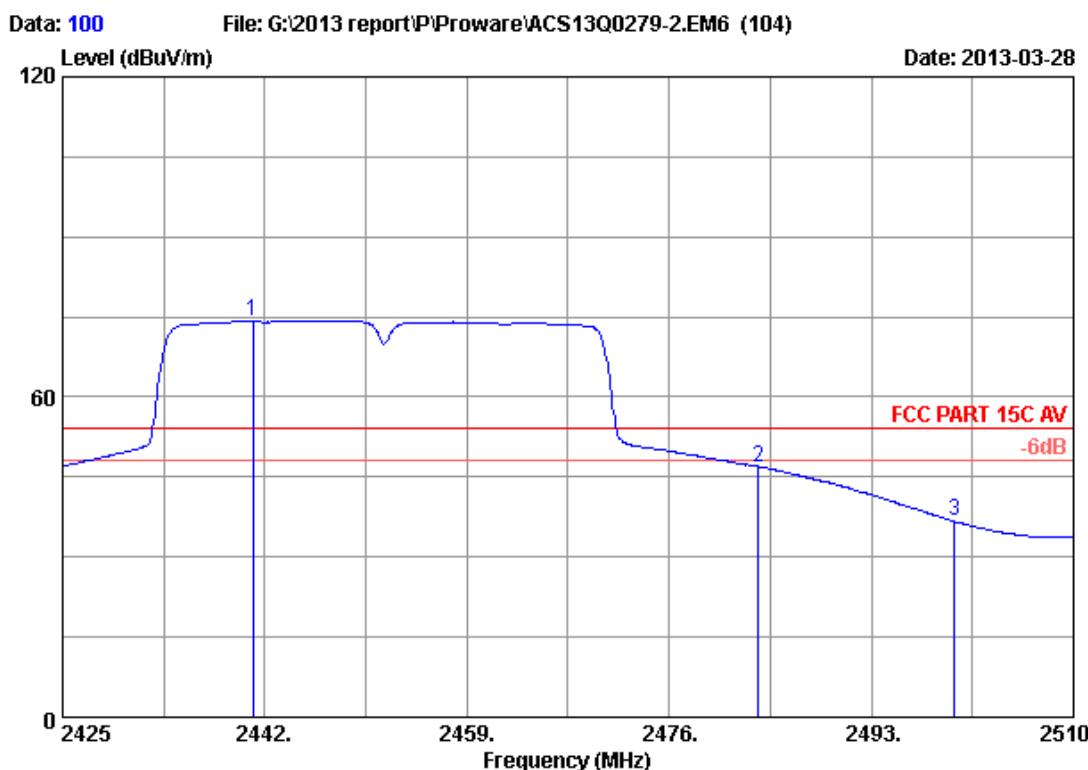


Site no. : 3m Chamber Data no. : 99  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2460.105	27.14	6.12	35.92	87.57	84.91	74.00	-10.91 Peak
2	2483.500	27.29	6.16	35.92	61.39	58.92	74.00	15.08 Peak
3	2487.730	27.32	6.17	35.92	62.60	60.17	74.00	13.83 Peak
4	2500.000	27.40	6.19	35.93	52.34	50.00	74.00	24.00 Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 100  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-30U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2440.980	27.02	6.09	35.92	76.97	74.16	54.00	-20.16 Peak
2	2483.500	27.29	6.16	35.92	49.39	46.92	54.00	7.08 Peak
3	2500.000	27.40	6.19	35.93	39.05	36.71	54.00	17.29 Peak

**Remarks:**

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

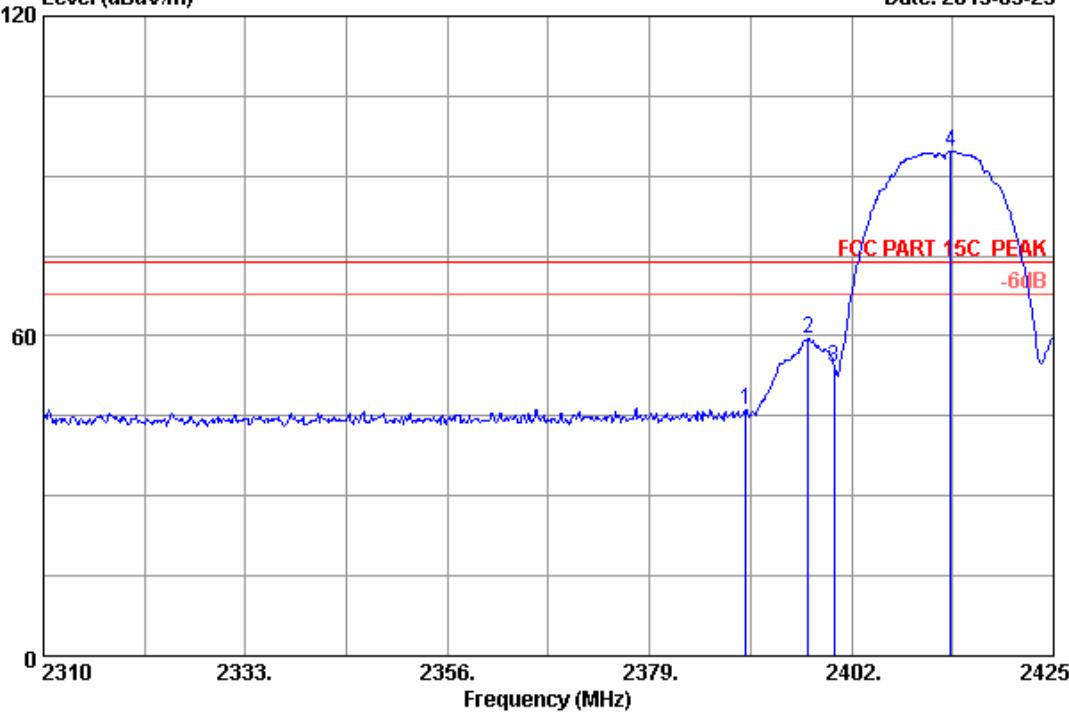
## ANT: N2410CM-T-G300U

Data: 3

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Level (dBuV/m)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 3  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	49.19	45.97	74.00	28.03 Peak
2	2397.055	26.74	6.01	35.92	62.60	59.43	74.00	14.57 Peak
3	2400.000	26.76	6.02	35.92	57.19	54.05	74.00	19.95 Peak
4	2413.270	26.84	6.04	35.92	97.69	94.65	74.00	-20.65 Peak

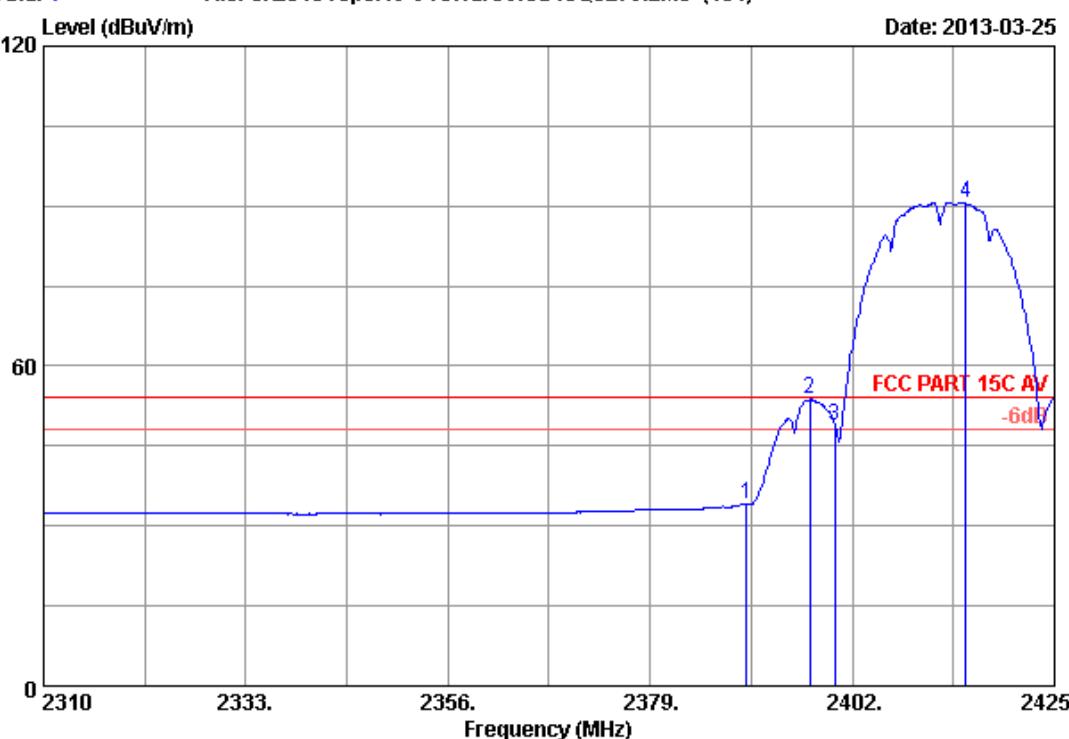
## Remarks:

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

Data: 4

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25

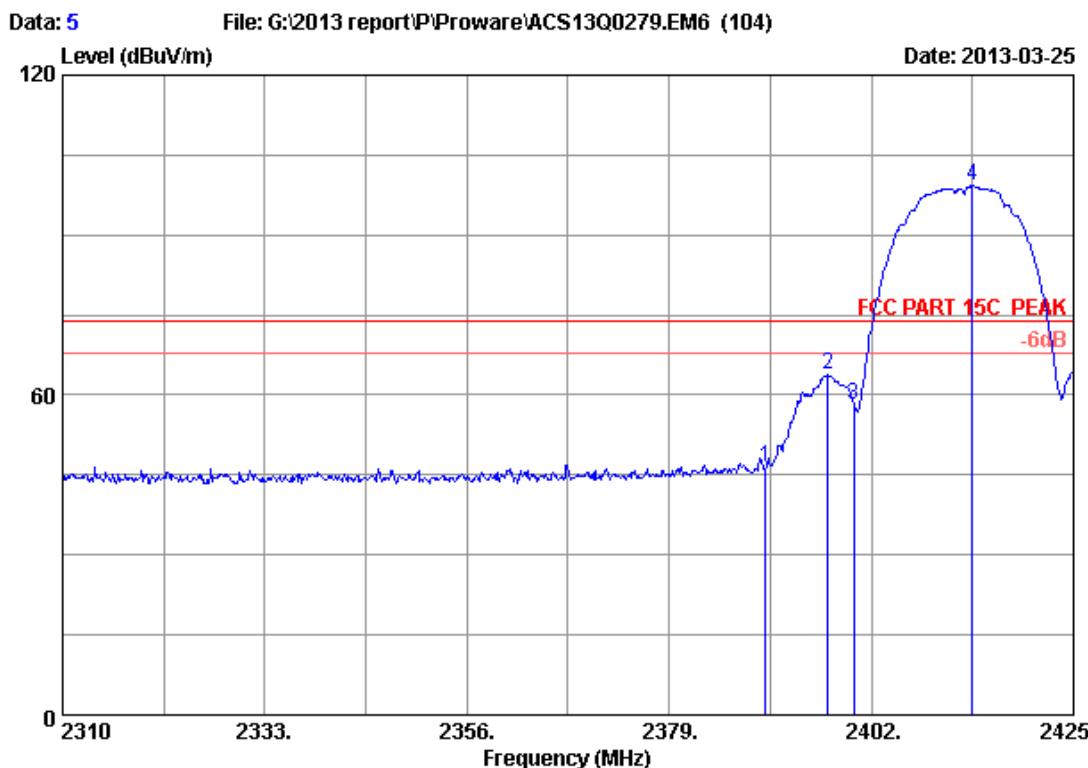


Site no. : 3m Chamber Data no. : 4  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	37.25	34.03	54.00	19.97	Average
2 2397.170	26.74	6.01	35.92	56.87	53.70	54.00	0.30	Average
3 2400.000	26.76	6.02	35.92	51.90	48.76	54.00	5.24	Average
4 2414.880	26.86	6.04	35.92	93.75	90.73	54.00	-36.73	Average

## Remarks:

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



Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	49.57	46.35	74.00	27.65	Peak
2 2397.055	26.74	6.01	35.92	67.05	63.88	74.00	10.12	Peak
3 2400.000	26.76	6.02	35.92	61.21	58.07	74.00	15.93	Peak
4 2413.500	26.85	6.04	35.92	102.15	99.12	74.00	-25.12	Peak

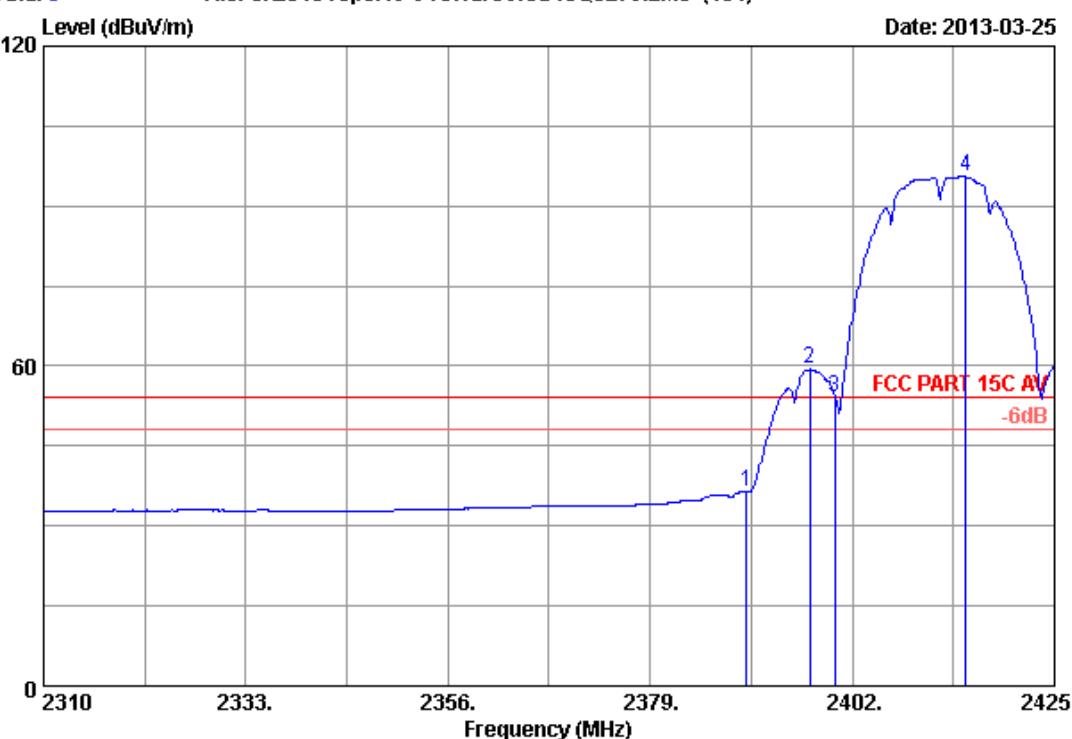
Remarks:

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

Data: 6

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	39.64	36.42	54.00	17.58 Average
2	2397.170	26.74	6.01	35.92	62.51	59.34	54.00	-5.34 Average
3	2400.000	26.76	6.02	35.92	57.41	54.27	54.00	-0.27 Average
4	2414.880	26.86	6.04	35.92	98.69	95.67	54.00	-41.67 Average

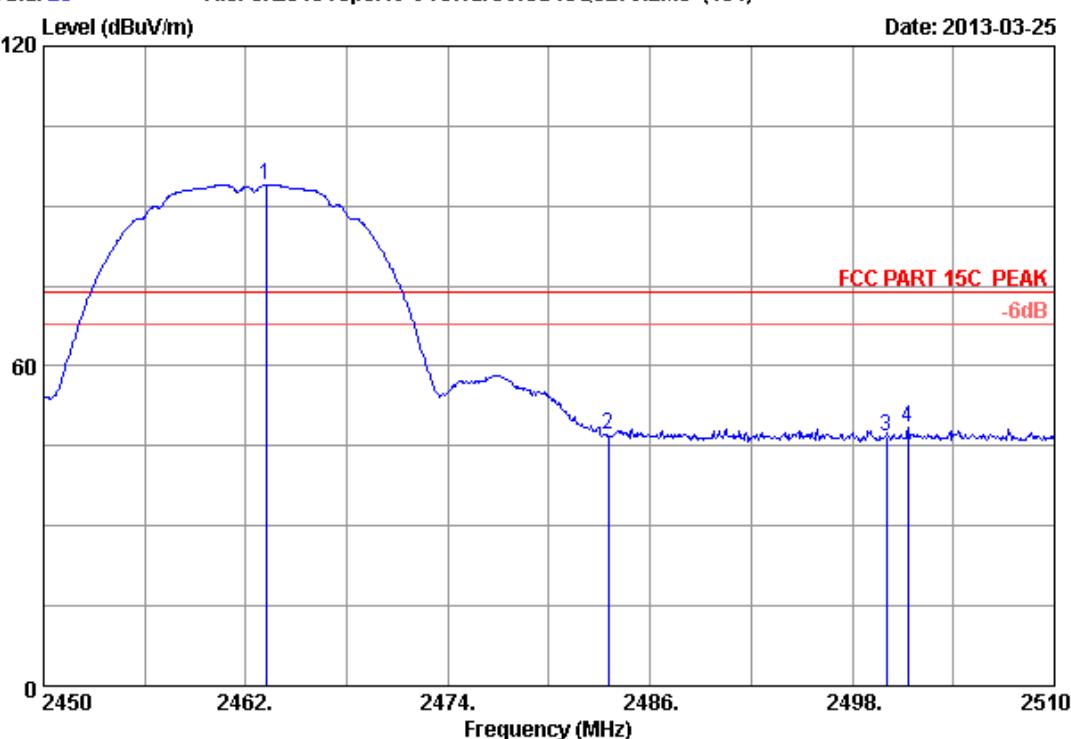
## Remarks:

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

Data: 23

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 23  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2463.200	27.16	6.12	35.92	96.57	93.93	74.00	-19.93	Peak
2 2483.500	27.29	6.16	35.92	49.47	47.00	74.00	27.00	Peak
3 2500.000	27.40	6.19	35.93	49.22	46.88	74.00	27.12	Peak
4 2501.300	27.40	6.19	35.93	50.90	48.56	74.00	25.44	Peak

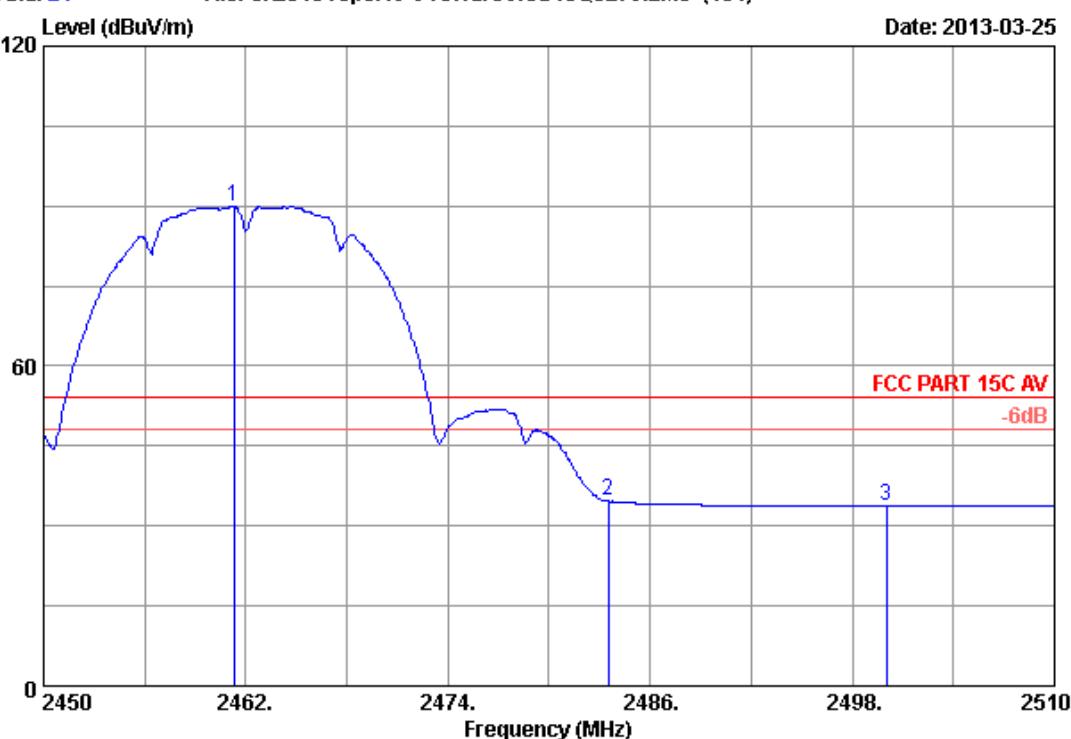
## Remarks:

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

Data: 24

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 24  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2461.280	27.15	6.12	35.92	92.61	89.96	54.00	-35.96	Average
2 2483.500	27.29	6.16	35.92	37.08	34.61	54.00	19.39	Average
3 2500.000	27.40	6.19	35.93	36.03	33.69	54.00	20.31	Average

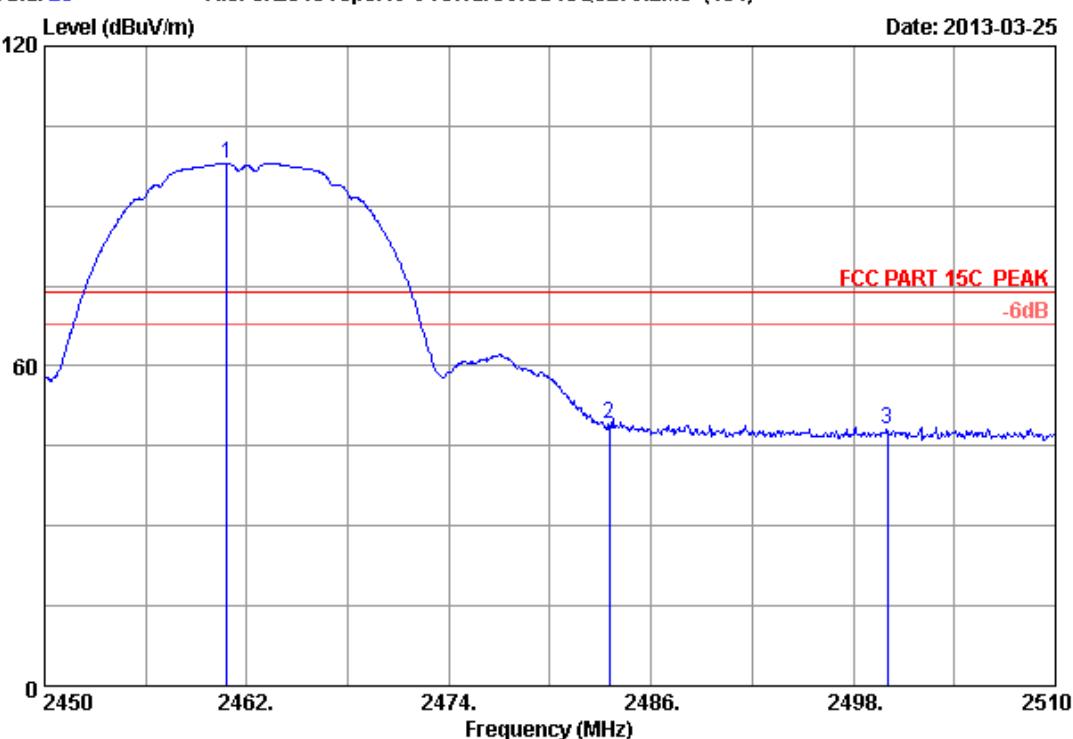
## Remarks:

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

Data: 25

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 25  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>B</sub> V)	Level (dB <sub>B</sub> V/m)	Limits (dB <sub>B</sub> V/m)	Margin (dB)	Remark
1 2460.800	27.15	6.12	35.92	100.61	97.96	74.00	-23.96	Peak
2 2483.500	27.29	6.16	35.92	51.69	49.22	74.00	24.78	Peak
3 2500.000	27.40	6.19	35.93	50.48	48.14	74.00	25.86	Peak

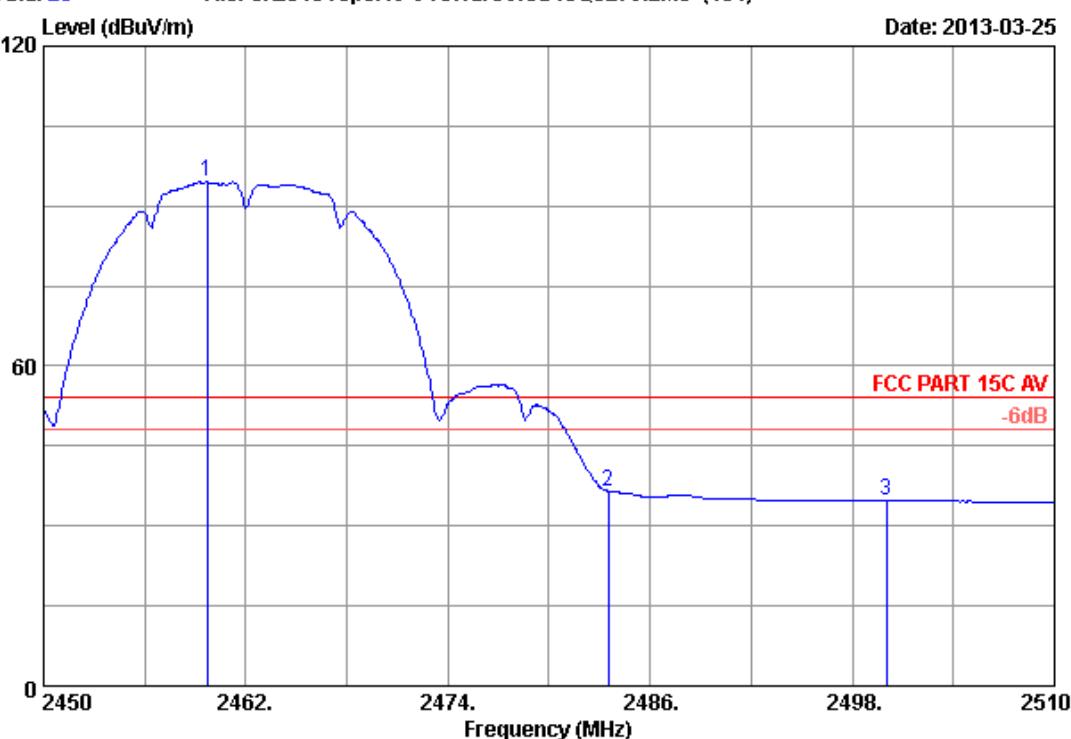
## Remarks:

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

Data: 26

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 26  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11b CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2459.720	27.14	6.12	35.92	97.15	94.49	54.00	-40.49	Average
2 2483.500	27.29	6.16	35.92	39.02	36.55	54.00	17.45	Average
3 2500.000	27.40	6.19	35.93	37.03	34.69	54.00	19.31	Average

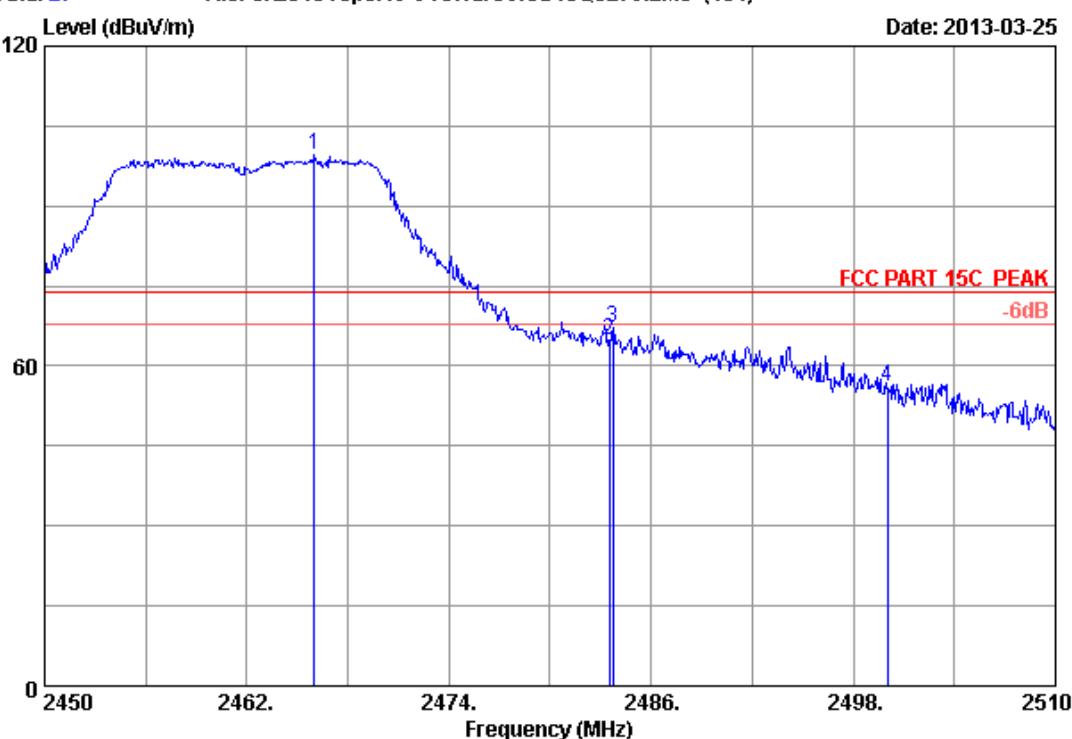
## Remarks:

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

Data: 27

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 27  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2466.020	27.18	6.13	35.92	102.22	99.61	74.00	-25.61	Peak
2 2483.500	27.29	6.16	35.92	67.18	64.71	74.00	9.29	Peak
3 2483.720	27.30	6.16	35.92	69.52	67.06	74.00	6.94	Peak
4 2500.000	27.40	6.19	35.93	58.54	56.20	74.00	17.80	Peak

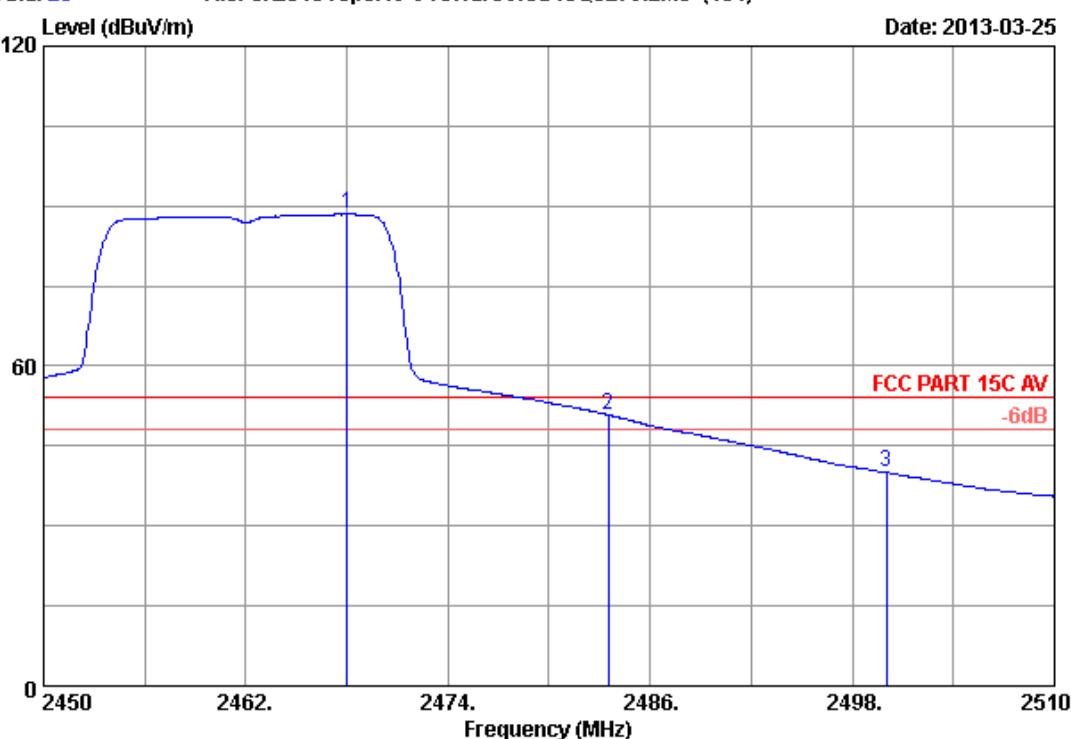
## Remarks:

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

Data: 28

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 28  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2468.000	27.20	6.13	35.92	91.04	88.45	54.00	-34.45	Average
2 2483.500	27.29	6.16	35.92	53.32	50.85	54.00	3.15	Average
3 2500.000	27.40	6.19	35.93	42.38	40.04	54.00	13.96	Average

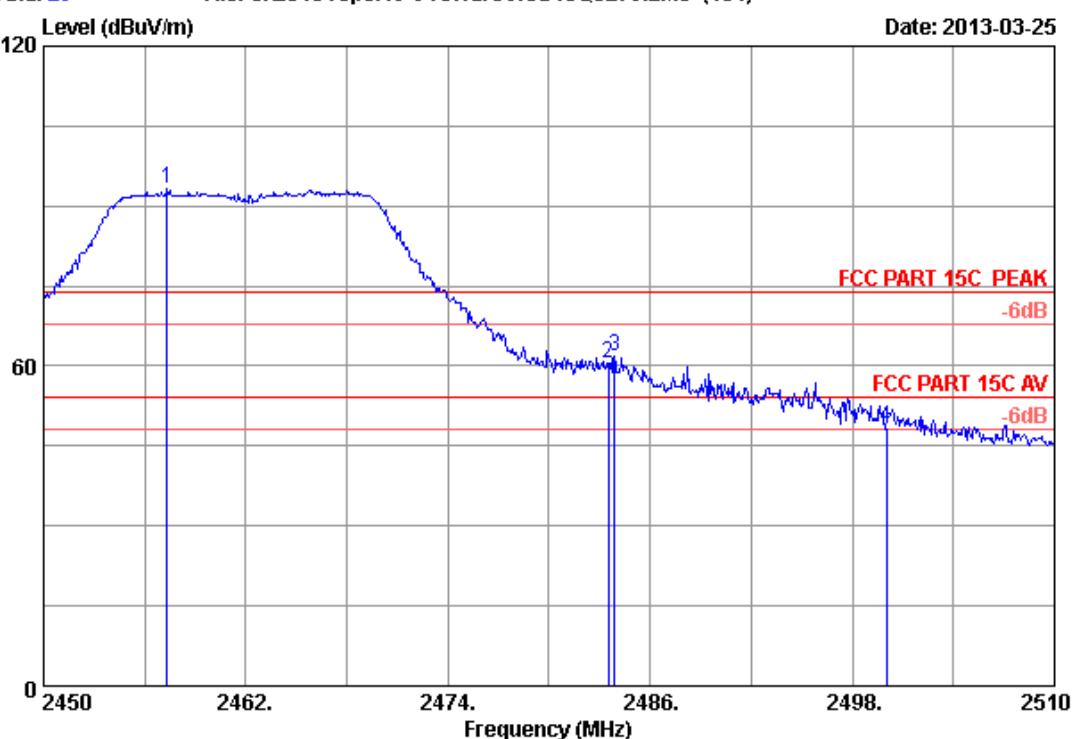
## Remarks:

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

Data: 29

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 29  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2457.320	27.13	6.11	35.92	96.05	93.37	74.00	-19.37	Peak
2 2483.500	27.29	6.16	35.92	62.91	60.44	74.00	13.56	Peak
3 2483.900	27.30	6.16	35.92	64.40	61.94	74.00	12.06	Peak
4 2500.000	27.40	6.19	35.93	50.91	48.57	74.00	25.43	Peak

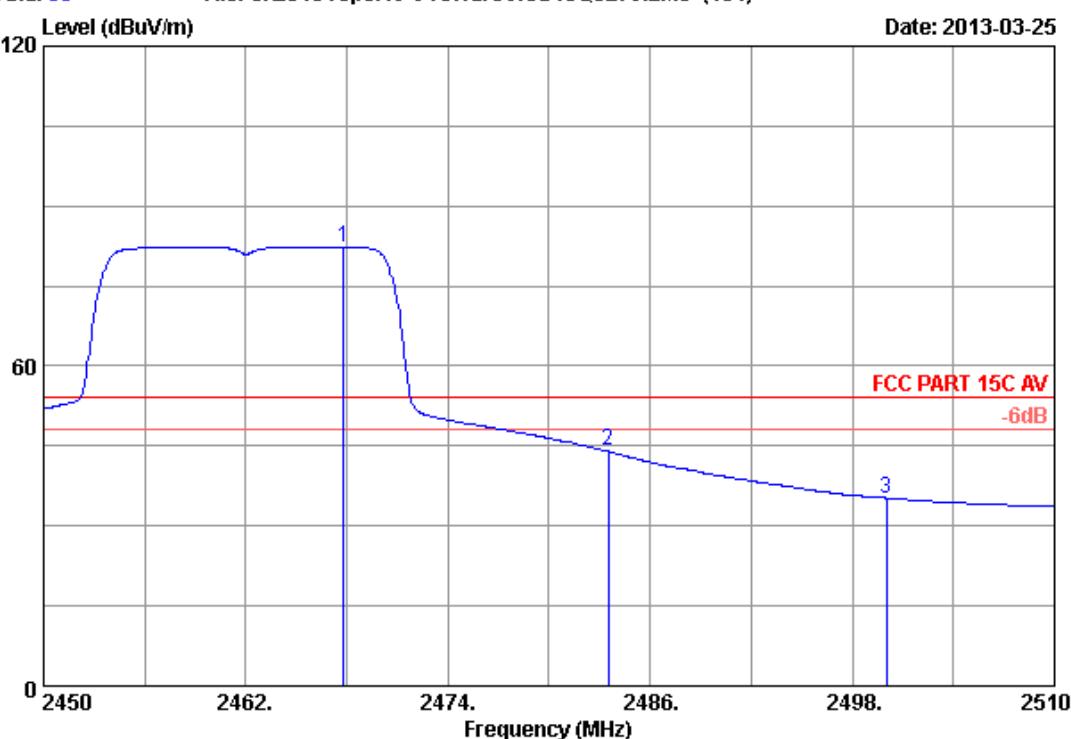
**Remarks:**

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

Data: 30

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 30  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2467.820	27.19	6.13	35.92	84.92	82.32	54.00	-28.32	Average
2 2483.500	27.29	6.16	35.92	46.46	43.99	54.00	10.01	Average
3 2500.000	27.40	6.19	35.93	37.54	35.20	54.00	18.80	Average

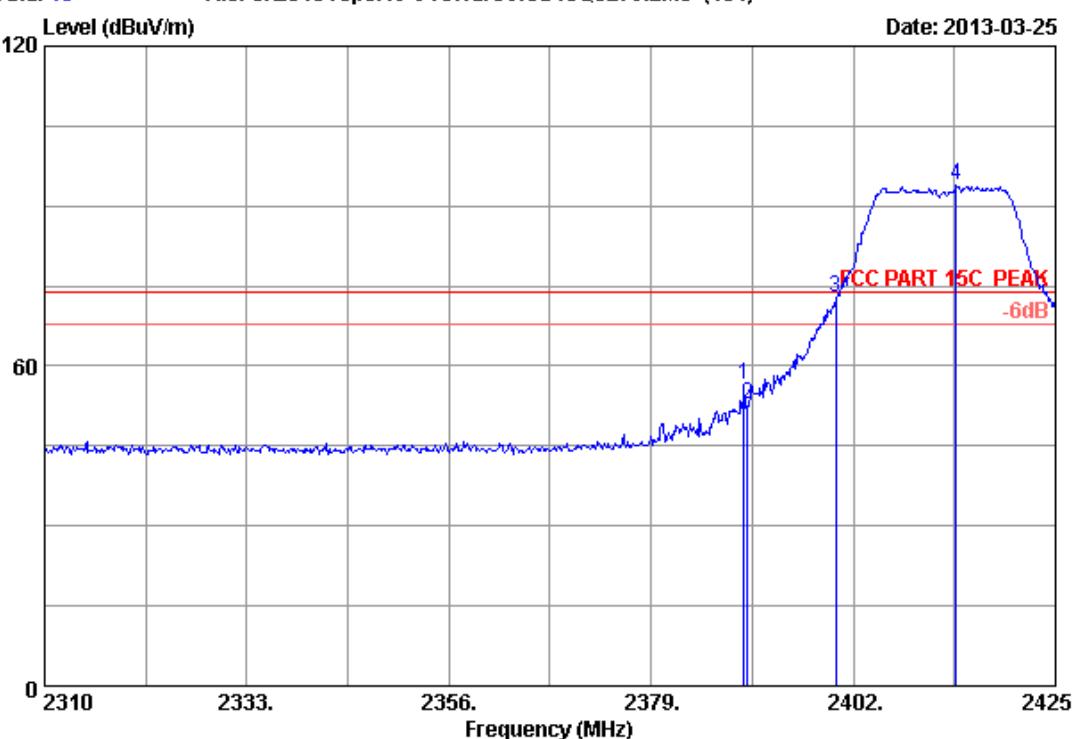
## Remarks:

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

Data: 45

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-25



Site no. : 3m Chamber Data no. : 45  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2389.580	26.69	6.00	35.92	59.62	56.39	74.00	17.61	Peak
2 2390.000	26.70	6.00	35.92	55.97	52.75	74.00	21.25	Peak
3 2400.000	26.76	6.02	35.92	76.14	73.00	74.00	1.00	Peak
4 2413.730	26.85	6.04	35.92	96.88	93.85	74.00	-19.85	Peak

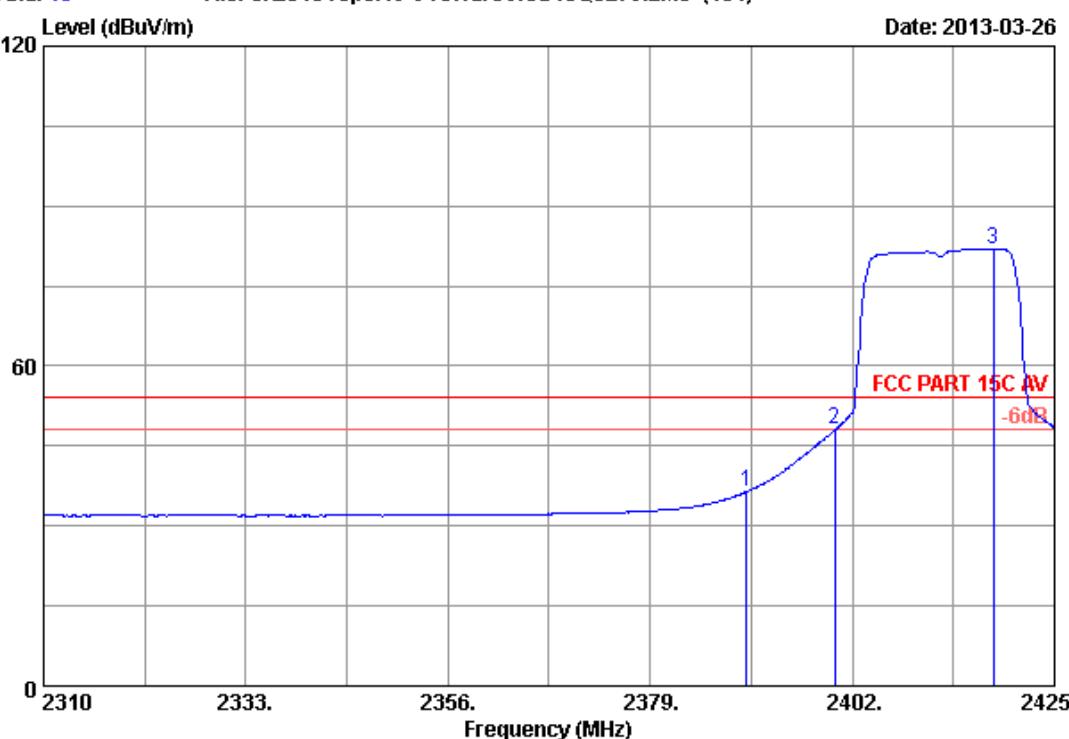
## Remarks:

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

Data: 46

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 46  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	39.64	36.42	54.00	17.58	Average
2 2400.000	26.76	6.02	35.92	51.23	48.09	54.00	5.91	Average
3 2418.100	26.88	6.05	35.92	84.94	81.95	54.00	-27.95	Average

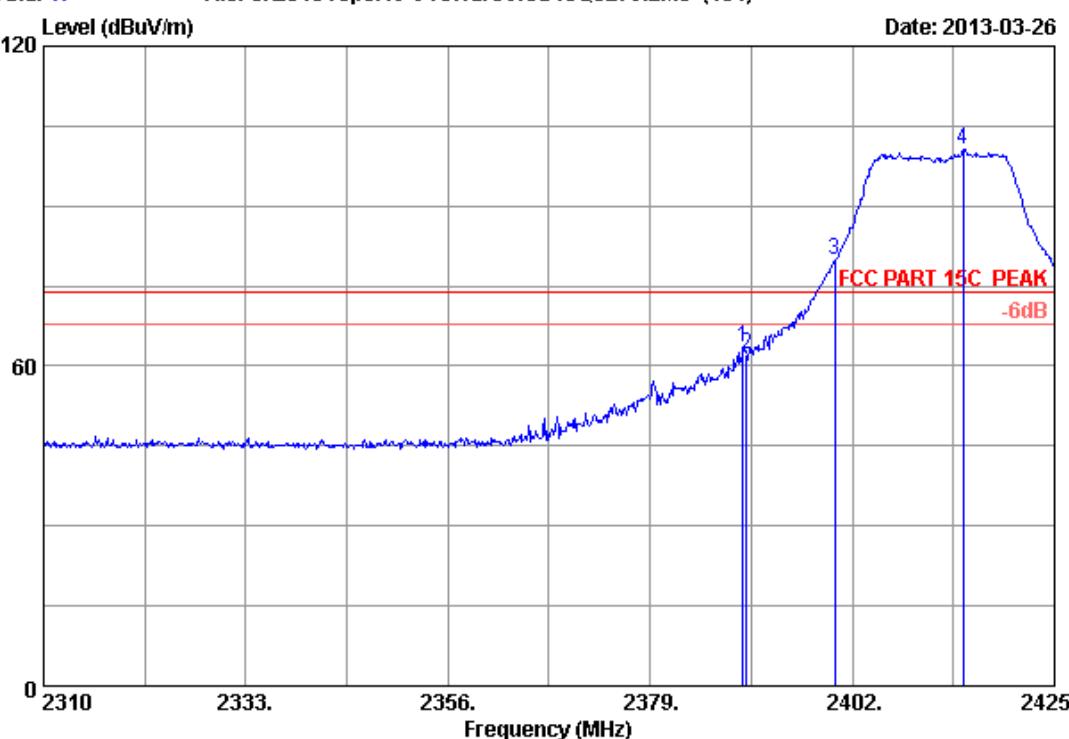
## Remarks:

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

Data: 47

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 47  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>uV</sub> )	Level (dB <sub>uV/m</sub> )	Limits (dB <sub>uV/m</sub> )	Margin (dB)	Remark
1 2389.580	26.69	6.00	35.92	66.60	63.37	74.00	10.63	Peak
2 2390.000	26.70	6.00	35.92	65.23	62.01	74.00	11.99	Peak
3 2400.000	26.76	6.02	35.92	83.11	79.97	74.00	-5.97	Peak
4 2414.650	26.85	6.04	35.92	103.76	100.73	74.00	-26.73	Peak

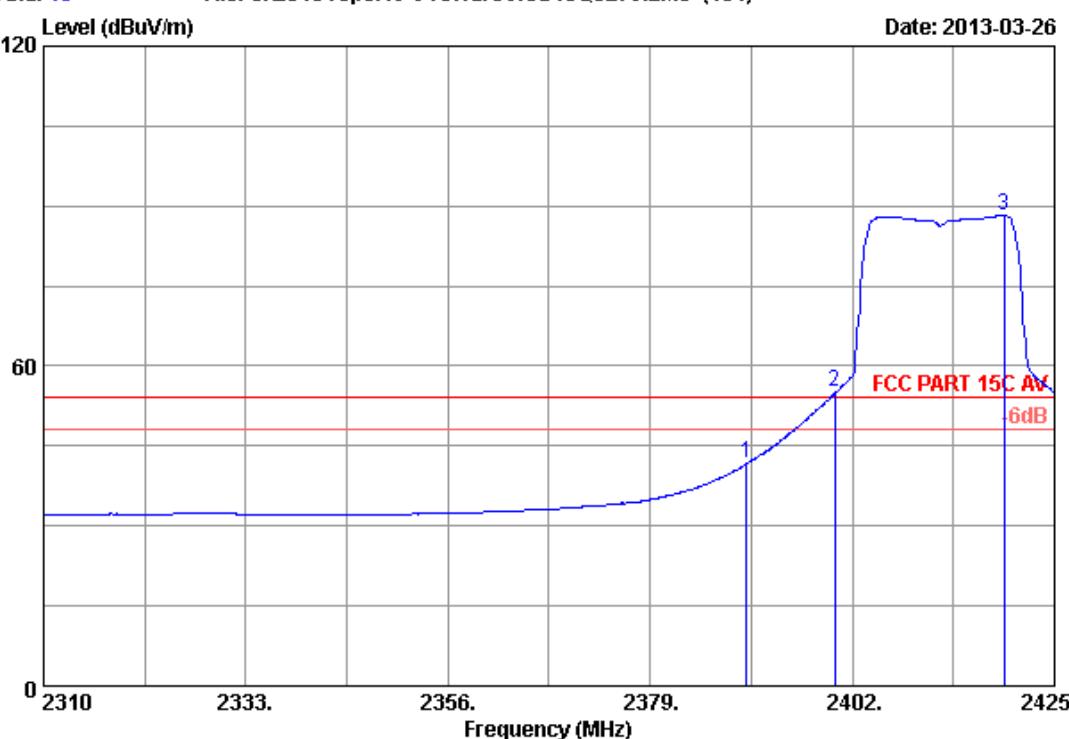
**Remarks:**

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

Data: 48

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 48  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	44.94	41.72	54.00	12.28	Average
2 2400.000	26.76	6.02	35.92	58.17	55.03	54.00	-1.03	Average
3 2419.250	26.88	6.05	35.92	91.25	88.26	54.00	-34.26	Average

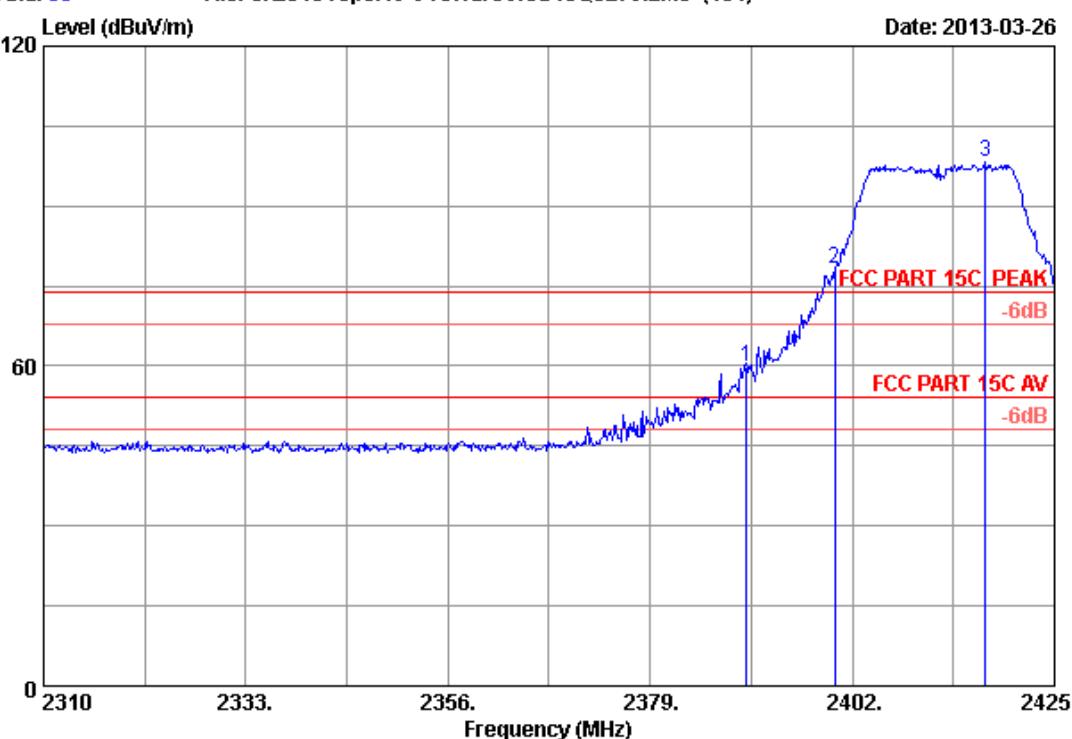
## Remarks:

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

Data: 53

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 53  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>B</sub> V)	Level (dB <sub>B</sub> V/m)	Limits (dB <sub>B</sub> V/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	62.96	59.74	74.00	14.26	Peak
2 2400.000	26.76	6.02	35.92	81.20	78.06	74.00	-4.06	Peak
3 2417.180	26.87	6.05	35.92	101.21	98.21	74.00	-24.21	Peak

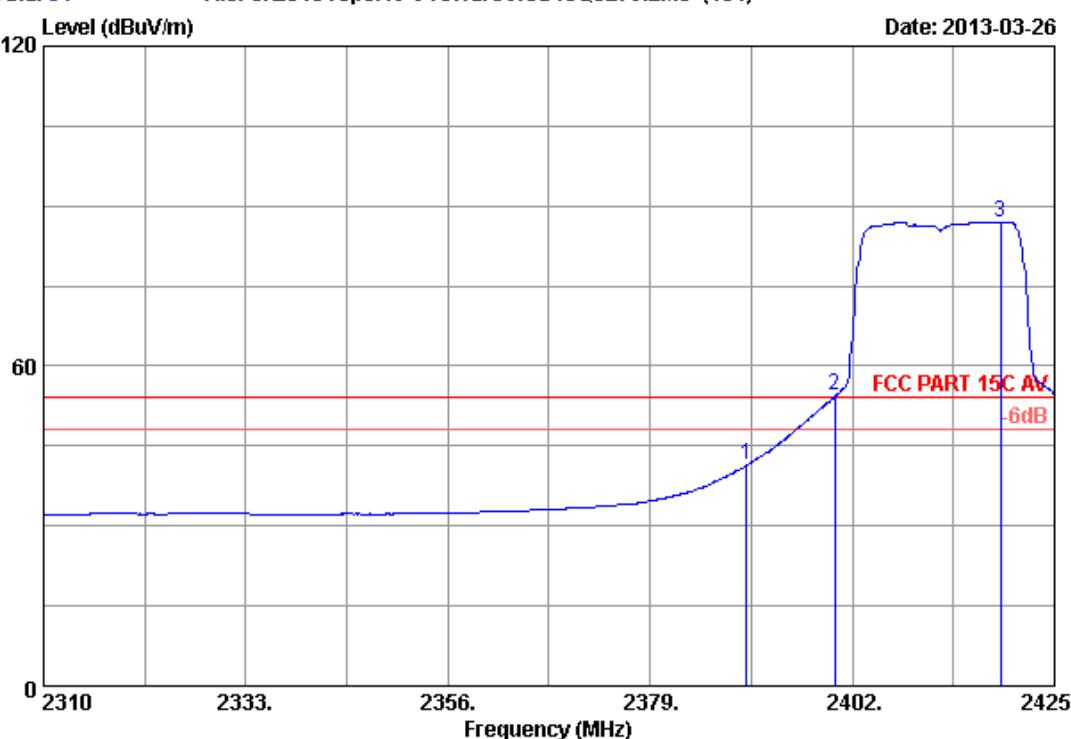
## Remarks:

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

Data: 54

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 54  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	44.63	41.41	54.00	12.59	Average
2 2400.000	26.76	6.02	35.92	57.52	54.38	54.00	-0.38	Average
3 2418.905	26.88	6.05	35.92	90.01	87.02	54.00	-33.02	Average

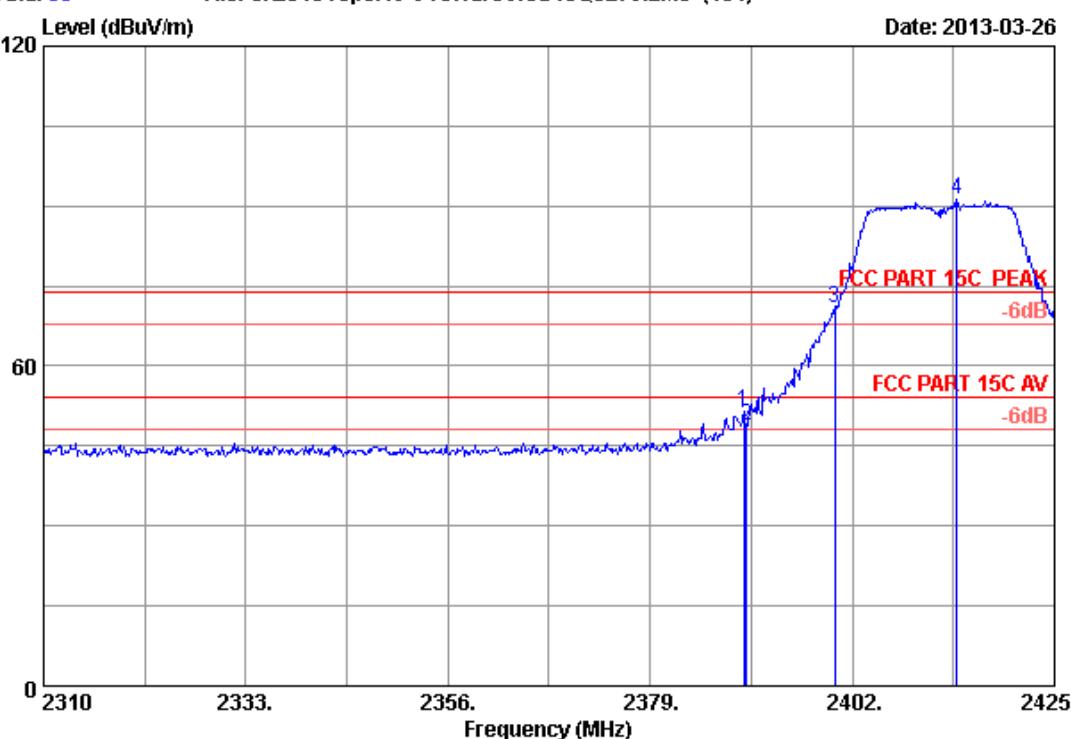
## Remarks:

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

Data: 55

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 55  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2389.695	26.69	6.00	35.92	54.86	51.63	74.00	22.37	Peak
2 2390.000	26.70	6.00	35.92	52.12	48.90	74.00	25.10	Peak
3 2400.000	26.76	6.02	35.92	74.01	70.87	74.00	3.13	Peak
4 2413.845	26.85	6.04	35.92	94.16	91.13	74.00	-17.13	Peak

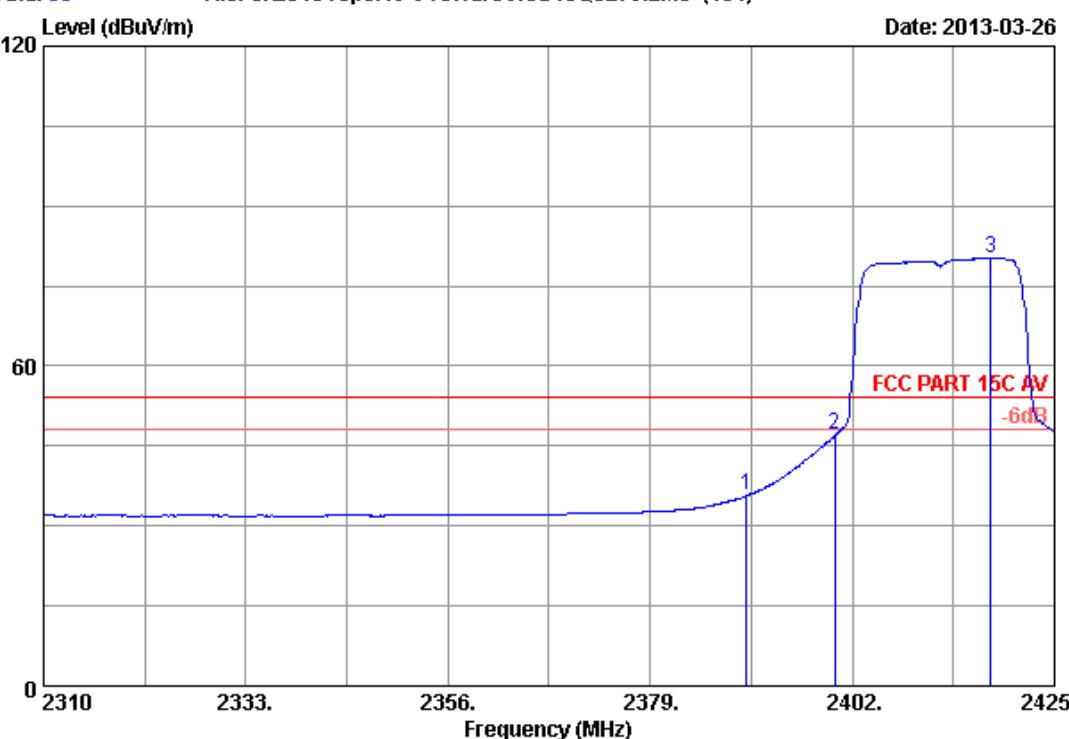
**Remarks:**

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

Data: 56

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 56  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	38.90	35.68	54.00	18.32	Average
2 2400.000	26.76	6.02	35.92	50.15	47.01	54.00	6.99	Average
3 2417.755	26.87	6.05	35.92	83.15	80.15	54.00	-26.15	Average

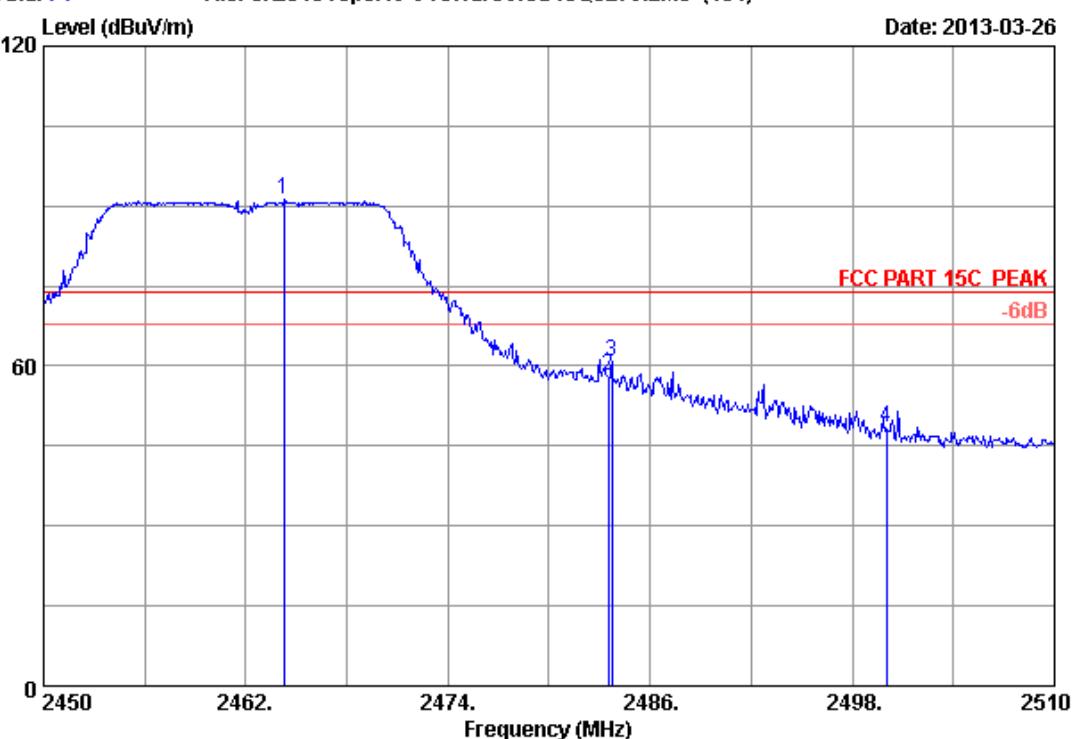
## Remarks:

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

Data: 71

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 71  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2464.280	27.17	6.13	35.92	93.76	91.14	74.00	-17.14	Peak
2 2483.500	27.29	6.16	35.92	60.49	58.02	74.00	15.98	Peak
3 2483.720	27.30	6.16	35.92	63.39	60.93	74.00	13.07	Peak
4 2500.000	27.40	6.19	35.93	50.66	48.32	74.00	25.68	Peak

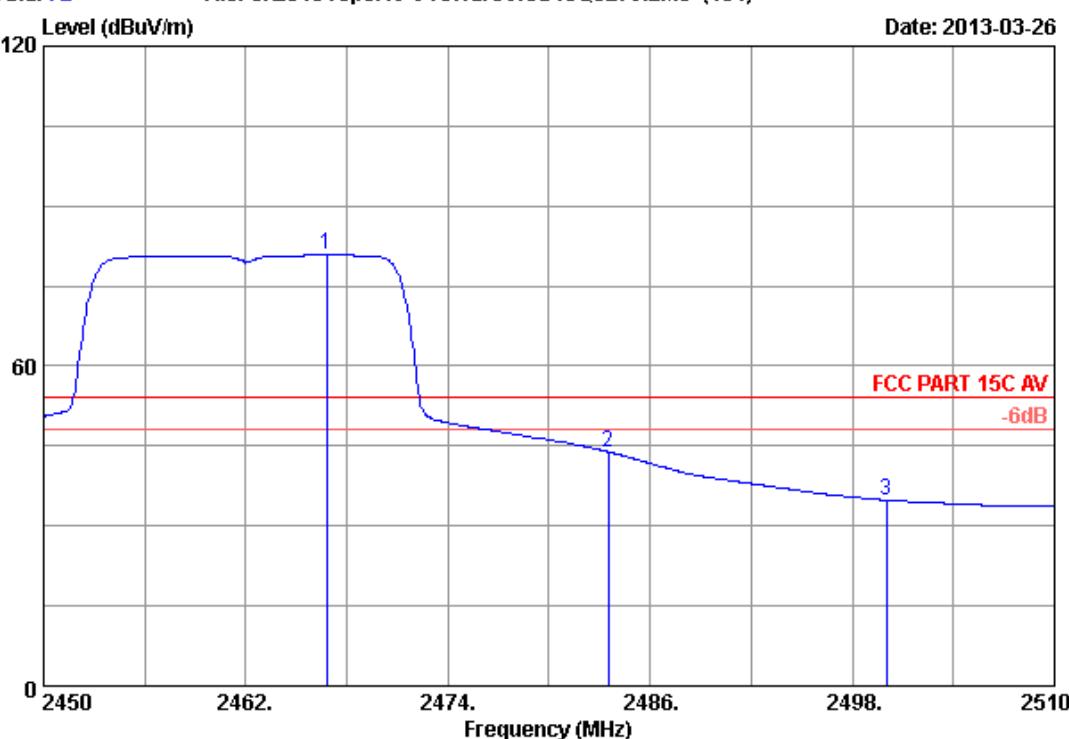
## Remarks:

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

Data: 72

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 72  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2466.800	27.19	6.13	35.92	83.40	80.80	54.00	-26.80	Average
2 2483.500	27.29	6.16	35.92	46.41	43.94	54.00	10.06	Average
3 2500.000	27.40	6.19	35.93	37.22	34.88	54.00	19.12	Average

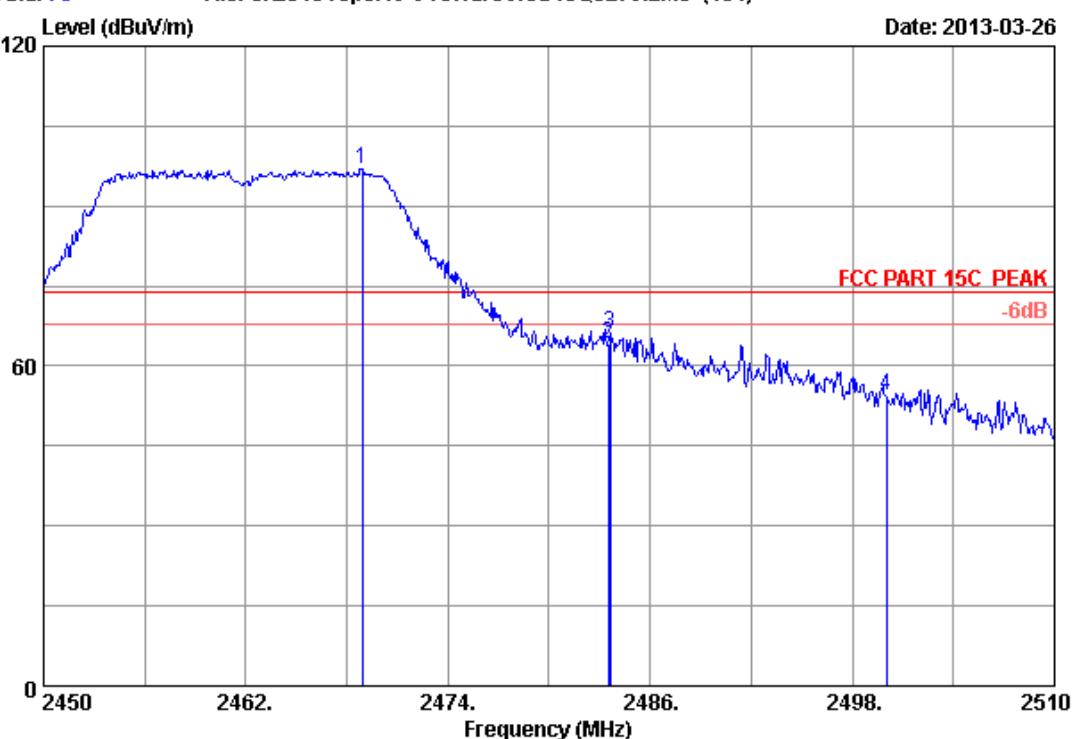
## Remarks:

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

Data: 73

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 73  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2468.900	27.20	6.13	35.92	99.55	96.96	74.00	-22.96	Peak
2 2483.500	27.29	6.16	35.92	66.68	64.21	74.00	9.79	Peak
3 2483.600	27.30	6.16	35.92	68.71	66.25	74.00	7.75	Peak
4 2500.000	27.40	6.19	35.93	56.95	54.61	74.00	19.39	Peak

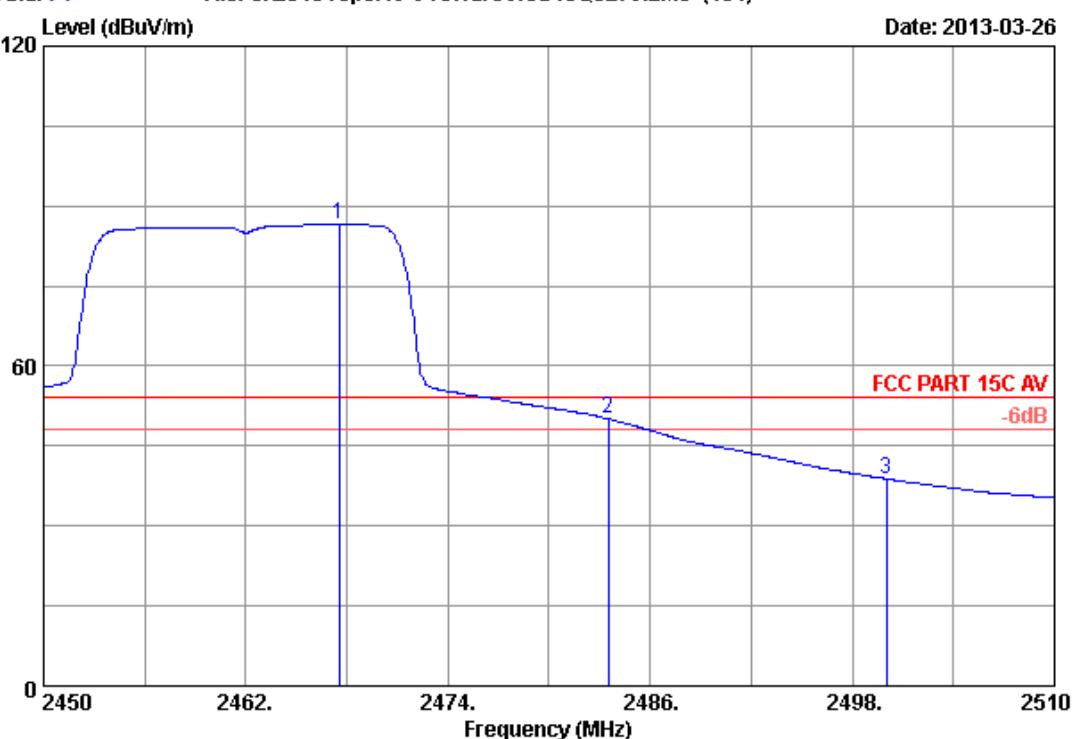
## Remarks:

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

Data: 74

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 74  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2467.520	27.19	6.13	35.92	89.17	86.57	54.00	-32.57	Average
2 2483.500	27.29	6.16	35.92	52.60	50.13	54.00	3.87	Average
3 2500.000	27.40	6.19	35.93	41.17	38.83	54.00	15.17	Average

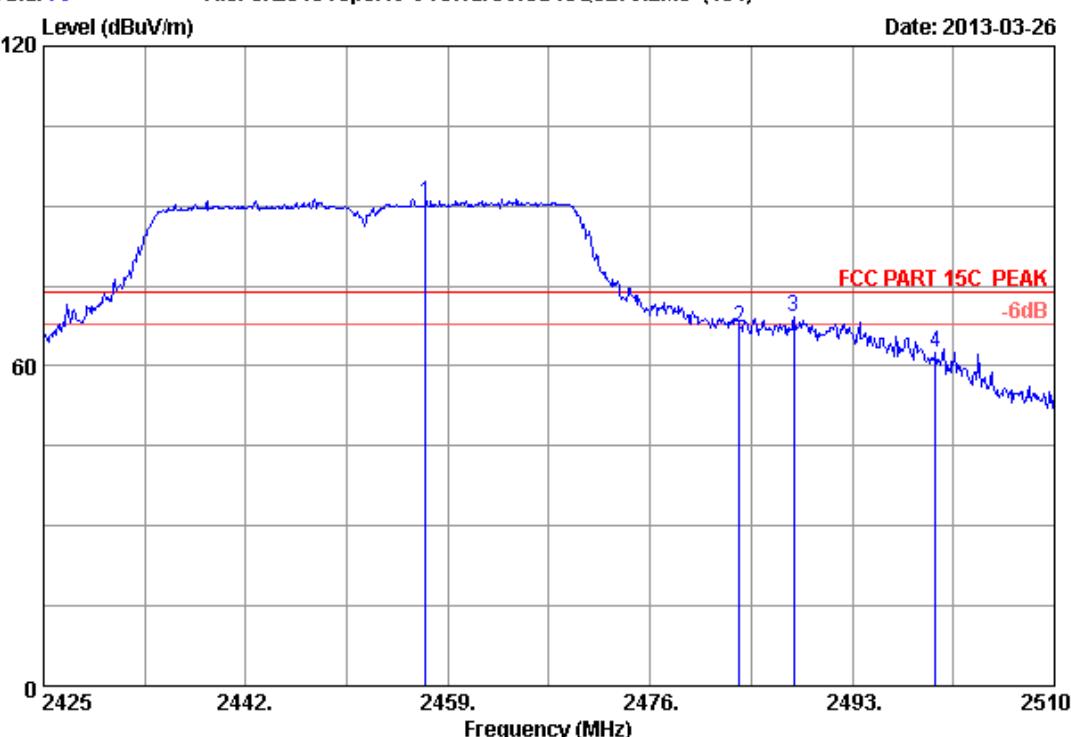
## Remarks:

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

Data: 79

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 79  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>B</sub> V)	Level (dB <sub>B</sub> V/m)	Limits (dB <sub>B</sub> V/m)	Margin (dB)	Remark
1 2457.130	27.13	6.11	35.92	93.34	90.66	74.00	-16.66	Peak
2 2483.500	27.29	6.16	35.92	69.65	67.18	74.00	6.82	Peak
3 2488.070	27.32	6.17	35.92	71.46	69.03	74.00	4.97	Peak
4 2500.000	27.40	6.19	35.93	64.80	62.46	74.00	11.54	Peak

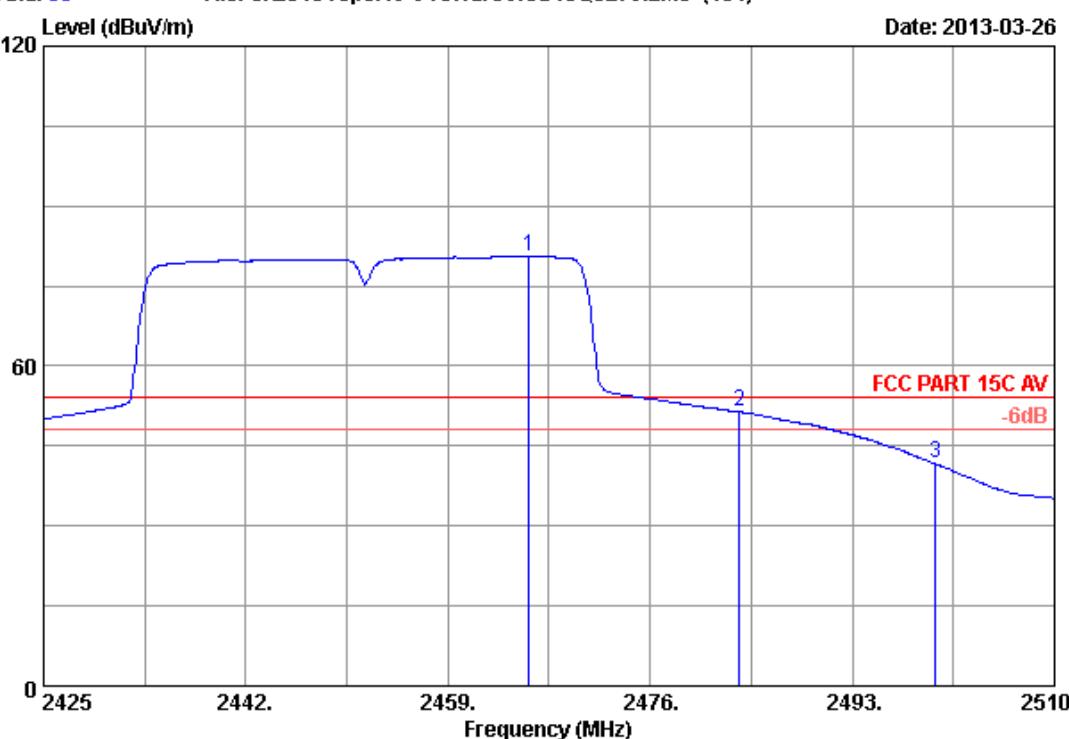
**Remarks:**

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

Data: 80

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 80  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2465.800	27.18	6.13	35.92	83.19	80.58	54.00	-26.58	Average
2 2483.500	27.29	6.16	35.92	53.91	51.44	54.00	2.56	Average
3 2500.000	27.40	6.19	35.93	44.00	41.66	54.00	12.34	Average

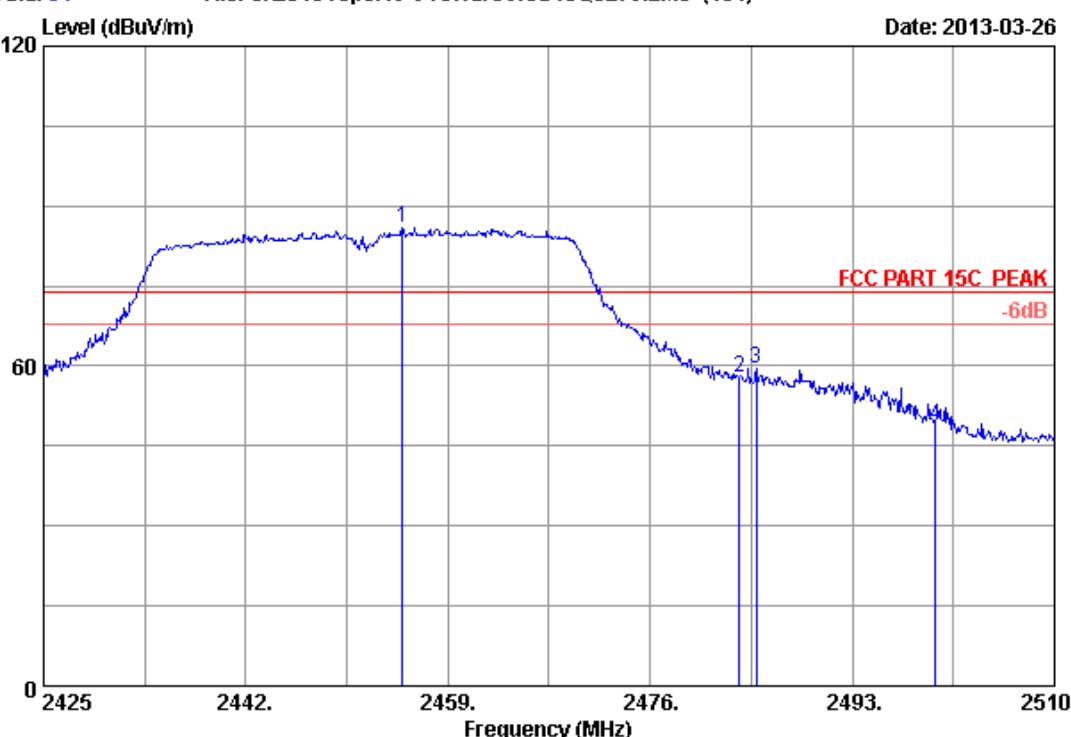
## Remarks:

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

Data: 81

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 81  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2455.175	27.11	6.11	35.92	88.56	85.86	74.00	-11.86	Peak
2 2483.500	27.29	6.16	35.92	60.37	57.90	74.00	16.10	Peak
3 2484.925	27.30	6.16	35.92	62.00	59.54	74.00	14.46	Peak
4 2500.000	27.40	6.19	35.93	51.11	48.77	74.00	25.23	Peak

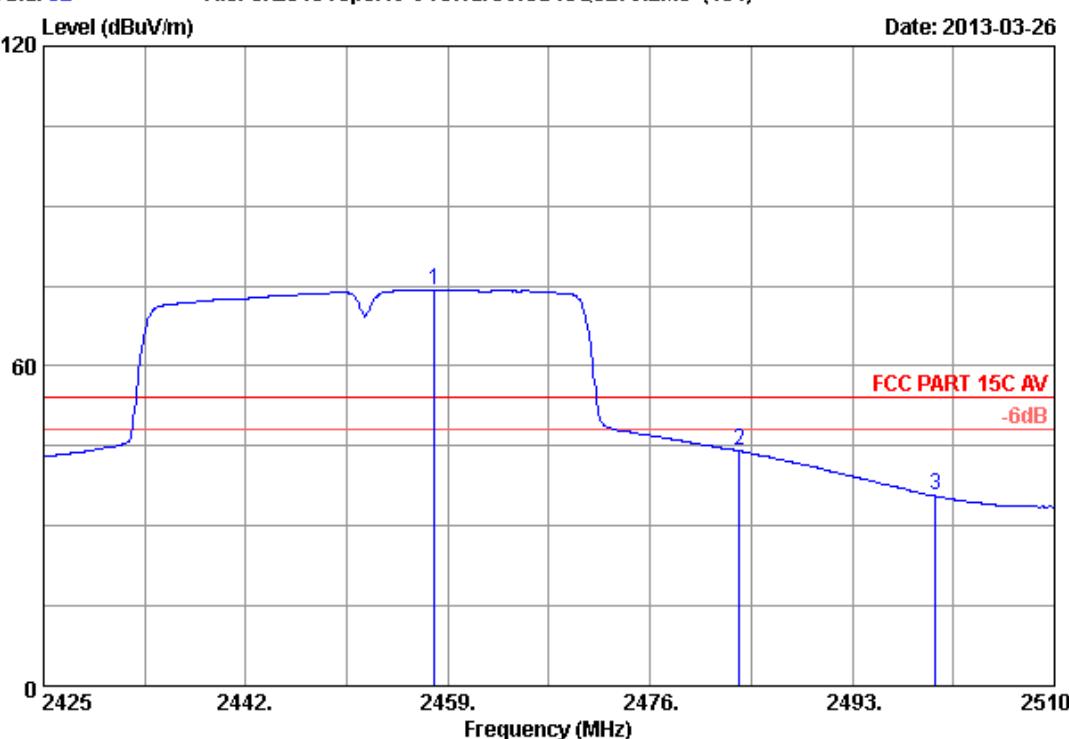
## Remarks:

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

Data: 82

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 82  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2457.895	27.13	6.12	35.92	76.97	74.30	54.00	-20.30	Average
2 2483.500	27.29	6.16	35.92	46.55	44.08	54.00	9.92	Average
3 2500.000	27.40	6.19	35.93	37.97	35.63	54.00	18.37	Average

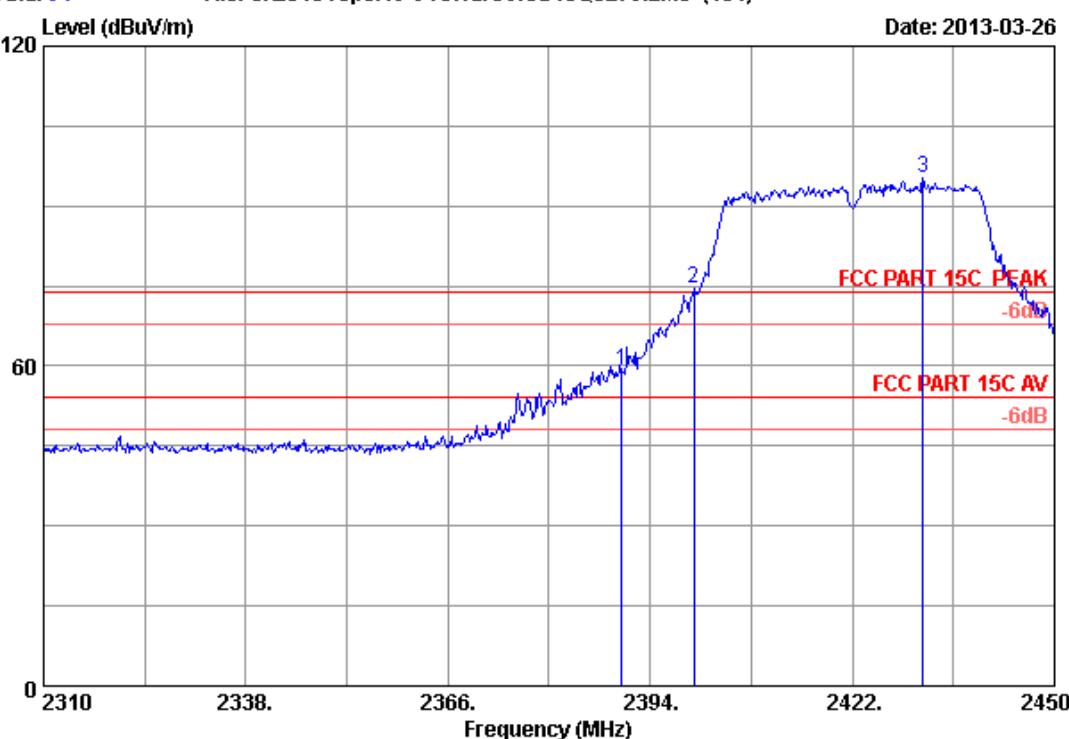
## Remarks:

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

Data: 91

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 91  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	62.46	59.24	74.00	14.76	Peak
2 2400.000	26.76	6.02	35.92	77.75	74.61	74.00	-0.61	Peak
3 2431.800	26.96	6.07	35.92	98.01	95.12	74.00	-21.12	Peak

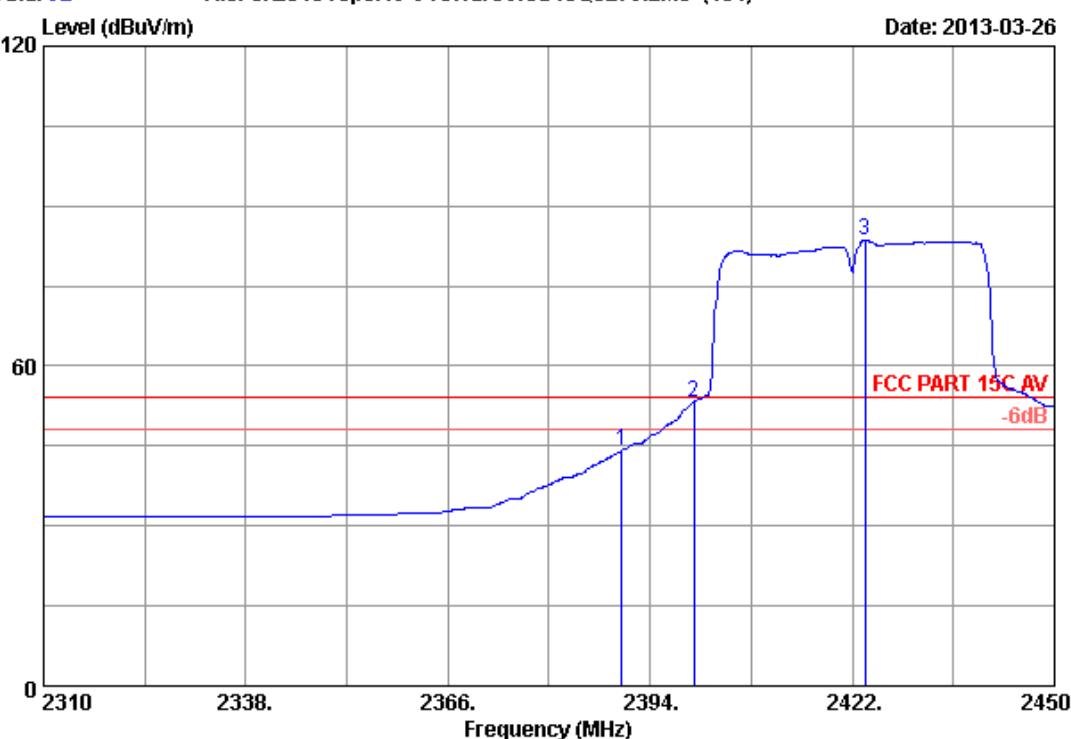
## Remarks:

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

Data: 92

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 92  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	47.25	44.03	54.00	9.97	Average
2 2400.000	26.76	6.02	35.92	56.41	53.27	54.00	0.73	Average
3 2423.820	26.91	6.06	35.92	86.46	83.51	54.00	-29.51	Average

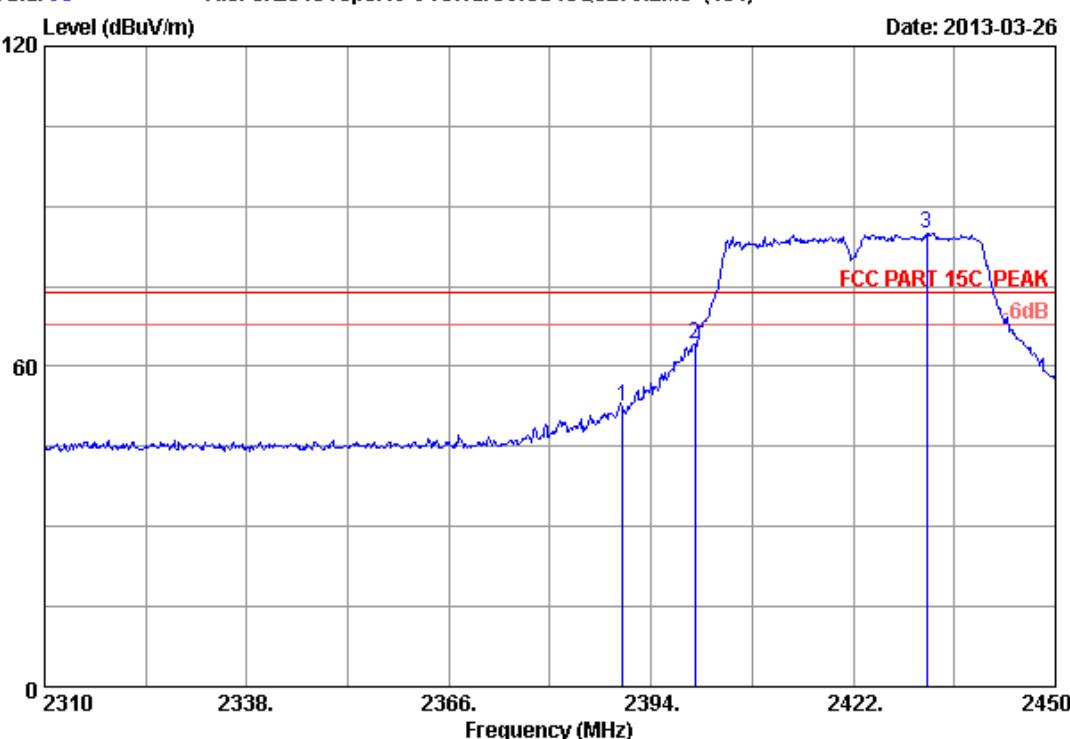
## Remarks:

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

Data: 93

File: G:\2013 report\P\Proware\ACS13Q0279.EM6 (104)

Date: 2013-03-26

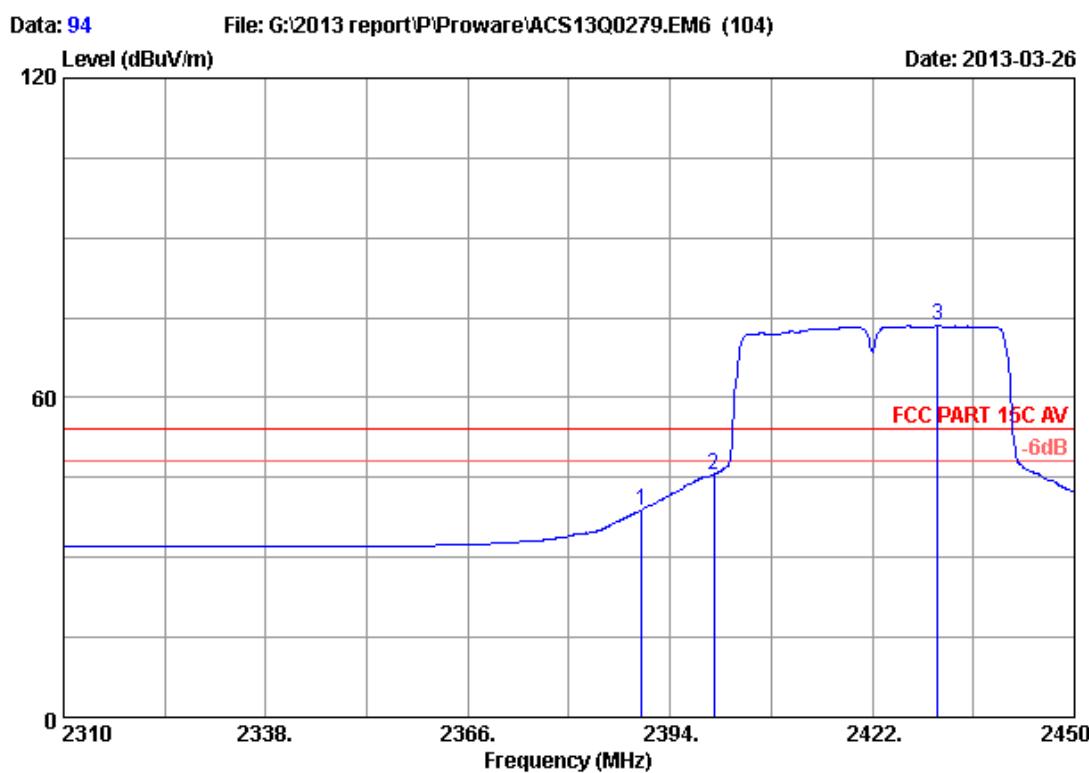


Site no. : 3m Chamber Data no. : 93  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
       : N2410CM-T-G300U

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>BuV</sub> )	Level (dB <sub>BuV/m</sub> )	Limits (dB <sub>BuV/m</sub> )	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	55.62	52.40	74.00	21.60	Peak
2 2400.000	26.76	6.02	35.92	67.22	64.08	74.00	9.92	Peak
3 2432.220	26.97	6.07	35.92	87.94	85.06	74.00	-11.06	Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 94  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : N2410CM-T-G300U

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	42.03	38.81	54.00	15.19 Average
2	2400.000	26.76	6.02	35.92	48.74	45.60	54.00	8.40 Average
3	2431.100	26.96	6.07	35.92	76.29	73.40	54.00	-19.40 Average

Remarks:

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

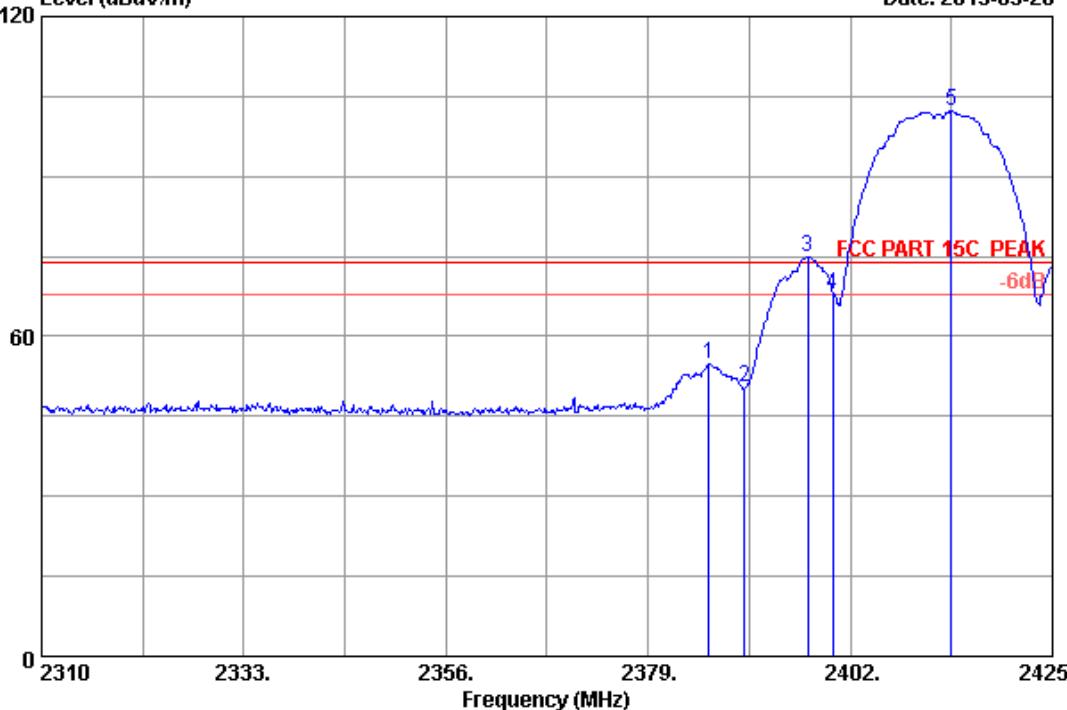
## ANT: 1120-1300REV

Data: 3

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Level (dBuV/m)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 3  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2385.900	26.67	5.99	35.92	58.13	54.87	74.00	19.13 Peak
2	2390.000	26.70	6.00	35.92	53.56	50.34	74.00	23.66 Peak
3	2397.170	26.74	6.01	35.92	78.11	74.94	74.00	-0.94 Peak
4	2400.000	26.76	6.02	35.92	70.98	67.84	74.00	6.16 Peak
5	2413.500	26.85	6.04	35.92	105.22	102.19	74.00	-28.19 Peak

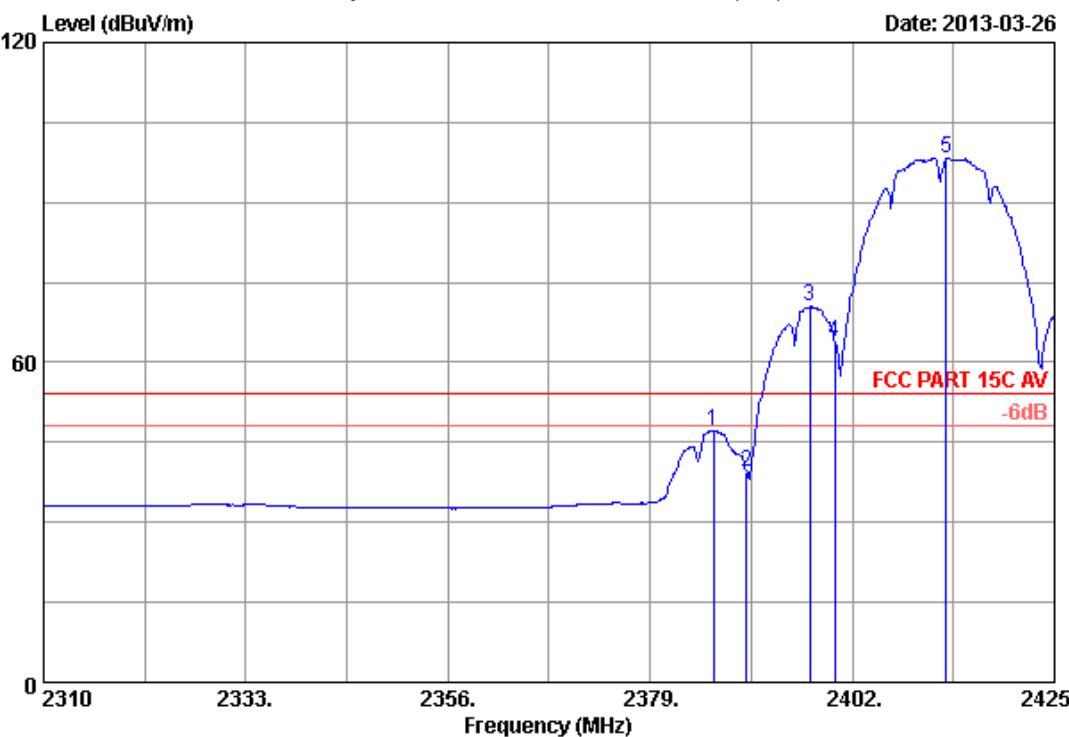
## Remarks:

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

Data: 4

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 4  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.245	26.67	5.99	35.92	50.35	47.09	54.00	6.91 Average
2	2390.000	26.70	6.00	35.92	42.51	39.29	54.00	14.71 Average
3	2397.170	26.74	6.01	35.92	73.70	70.53	54.00	-16.53 Average
4	2400.000	26.76	6.02	35.92	66.92	63.78	54.00	-9.78 Average
5	2412.695	26.84	6.04	35.92	101.45	98.41	54.00	-44.41 Average

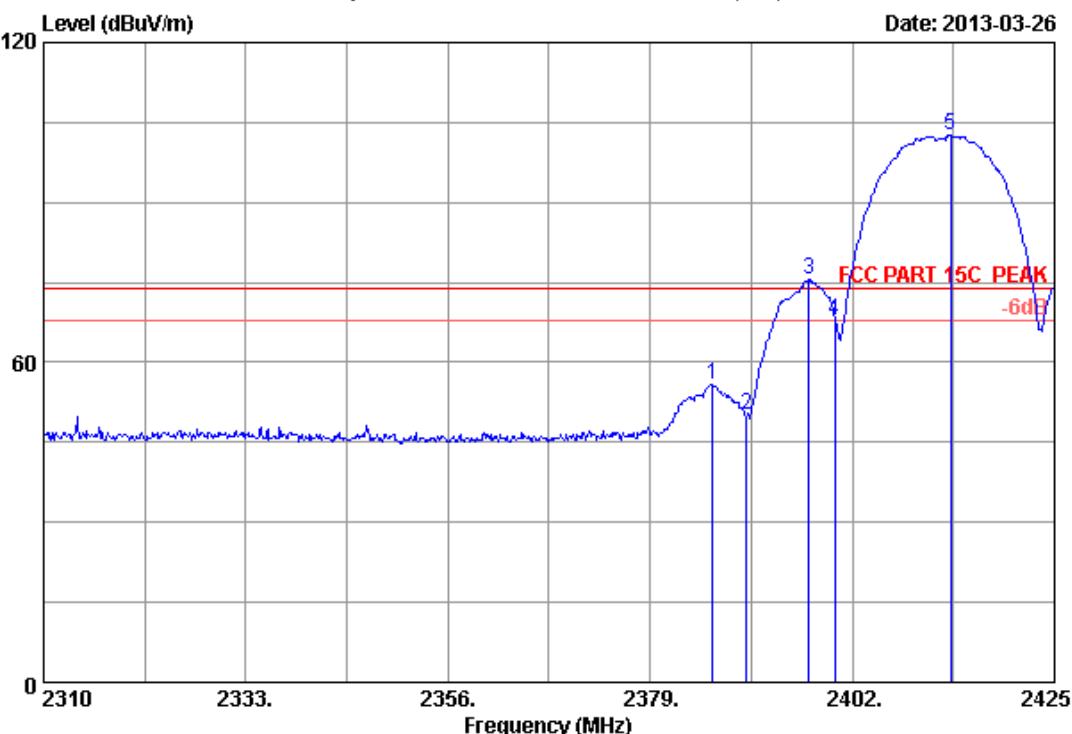
## Remarks:

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

Data: 5

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	2386.130	26.67	5.99	35.92	59.06	55.80	74.00	18.20 Peak
2	2390.000	26.70	6.00	35.92	53.40	50.18	74.00	23.82 Peak
3	2397.055	26.74	6.01	35.92	78.67	75.50	74.00	-1.50 Peak
4	2400.000	26.76	6.02	35.92	71.09	67.95	74.00	6.05 Peak
5	2413.155	26.84	6.04	35.92	105.52	102.48	74.00	-28.48 Peak

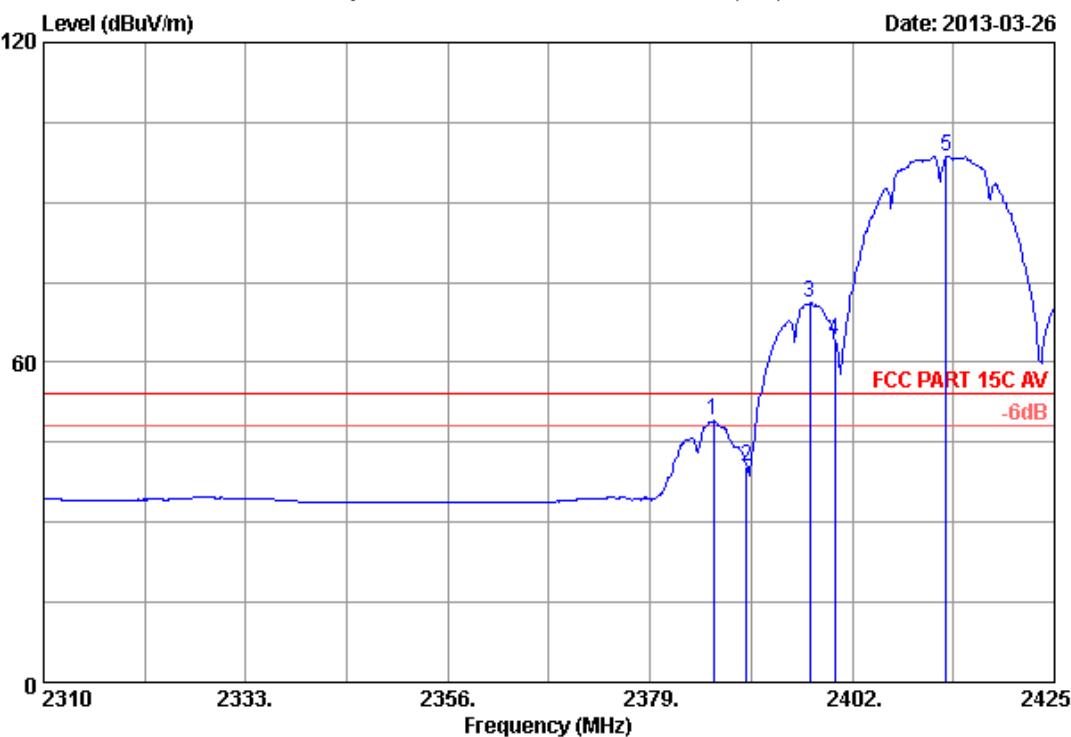
**Remarks:**

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

Data: 6

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.245	26.67	5.99	35.92	52.35	49.09	54.00	4.91 Average
2	2390.000	26.70	6.00	35.92	43.66	40.44	54.00	13.56 Average
3	2397.170	26.74	6.01	35.92	74.27	71.10	54.00	-17.10 Average
4	2400.000	26.76	6.02	35.92	67.23	64.09	54.00	-10.09 Average
5	2412.695	26.84	6.04	35.92	101.69	98.65	54.00	-44.65 Average

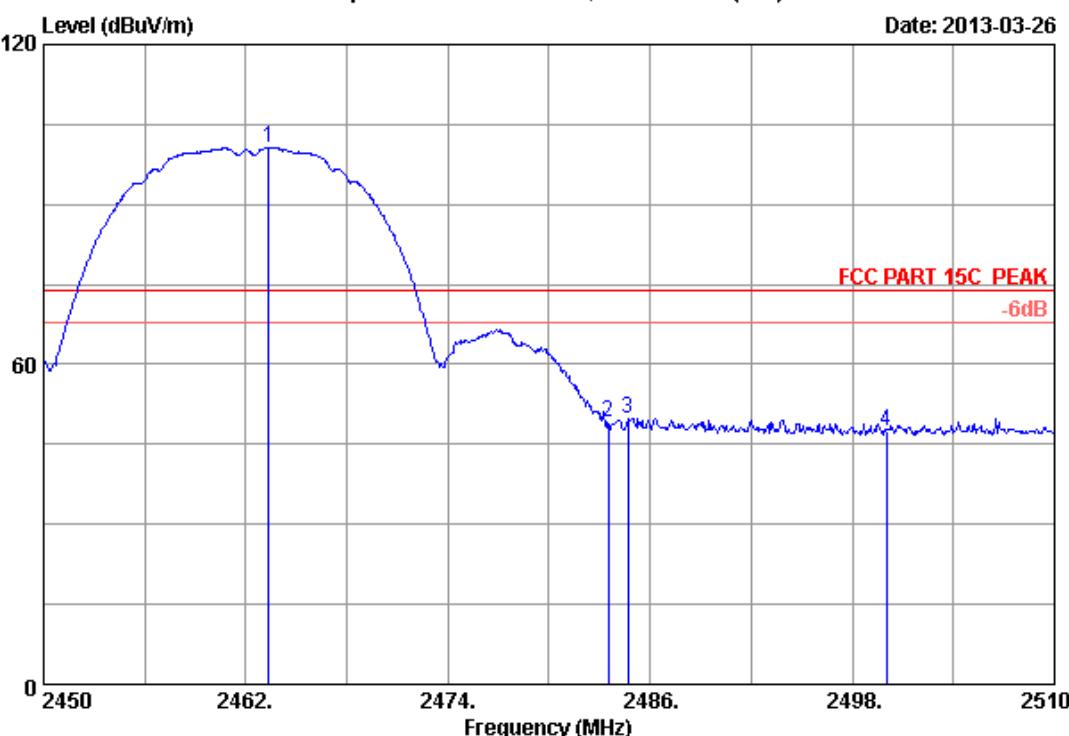
## Remarks:

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

Data: 23

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 23  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2463.380	27.17	6.13	35.92	103.30	100.68	74.00	-26.68 Peak
2	2483.500	27.29	6.16	35.92	51.53	49.06	74.00	24.94 Peak
3	2484.680	27.30	6.16	35.92	52.39	49.93	74.00	24.07 Peak
4	2500.000	27.40	6.19	35.93	49.87	47.53	74.00	26.47 Peak

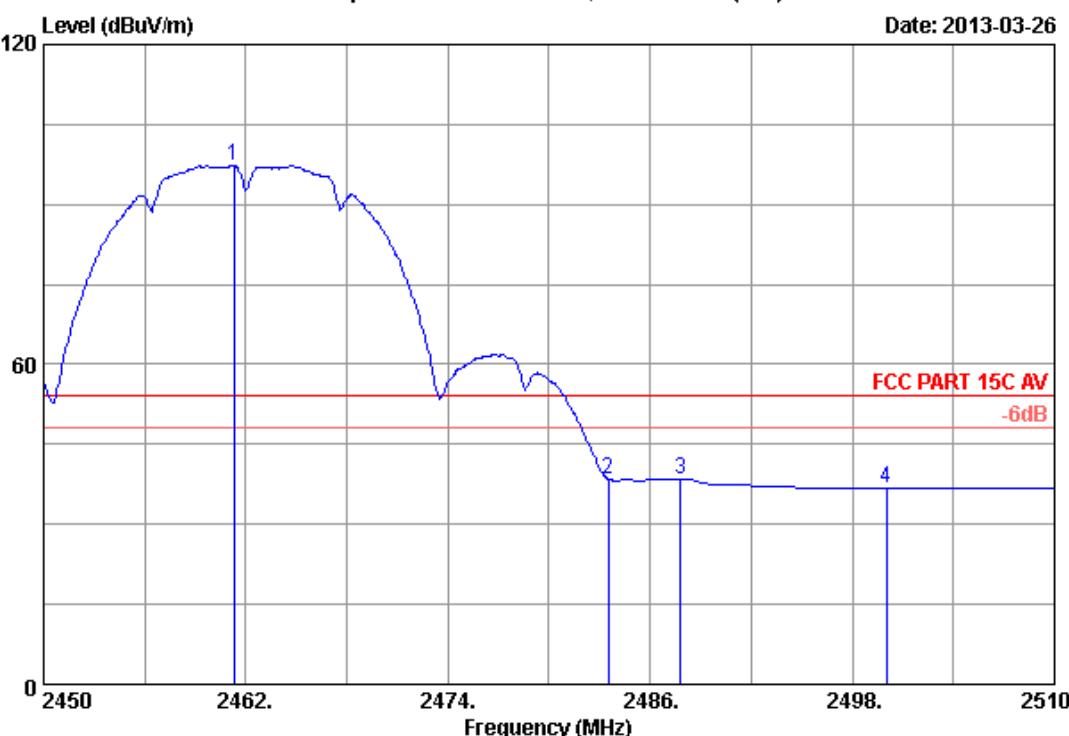
## Remarks:

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

Data: 24

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 24  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.280	27.15	6.12	35.92	99.99	97.34	54.00	-43.34 Average
2	2483.500	27.29	6.16	35.92	41.06	38.59	54.00	15.41 Average
3	2487.800	27.32	6.17	35.92	41.03	38.60	54.00	15.40 Average
4	2500.000	27.40	6.19	35.93	39.16	36.82	54.00	17.18 Average

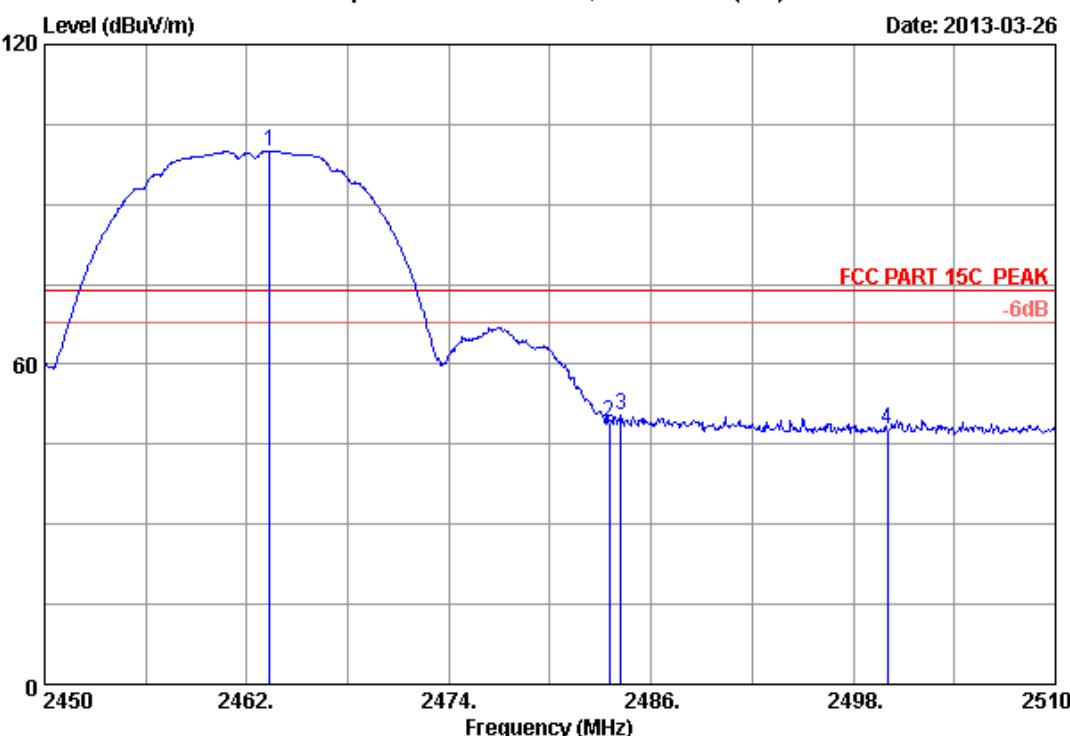
## Remarks:

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

Data: 25

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 25  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dB <sub>B</sub> V)	(dB <sub>B</sub> V/m)	(dB <sub>B</sub> V/m)	(dB)	
1	2463.380	27.17	6.13	35.92	102.63	100.01	74.00	-26.01 Peak
2	2483.500	27.29	6.16	35.92	51.63	49.16	74.00	24.84 Peak
3	2484.200	27.30	6.16	35.92	53.00	50.54	74.00	23.46 Peak
4	2500.000	27.40	6.19	35.93	50.27	47.93	74.00	26.07 Peak

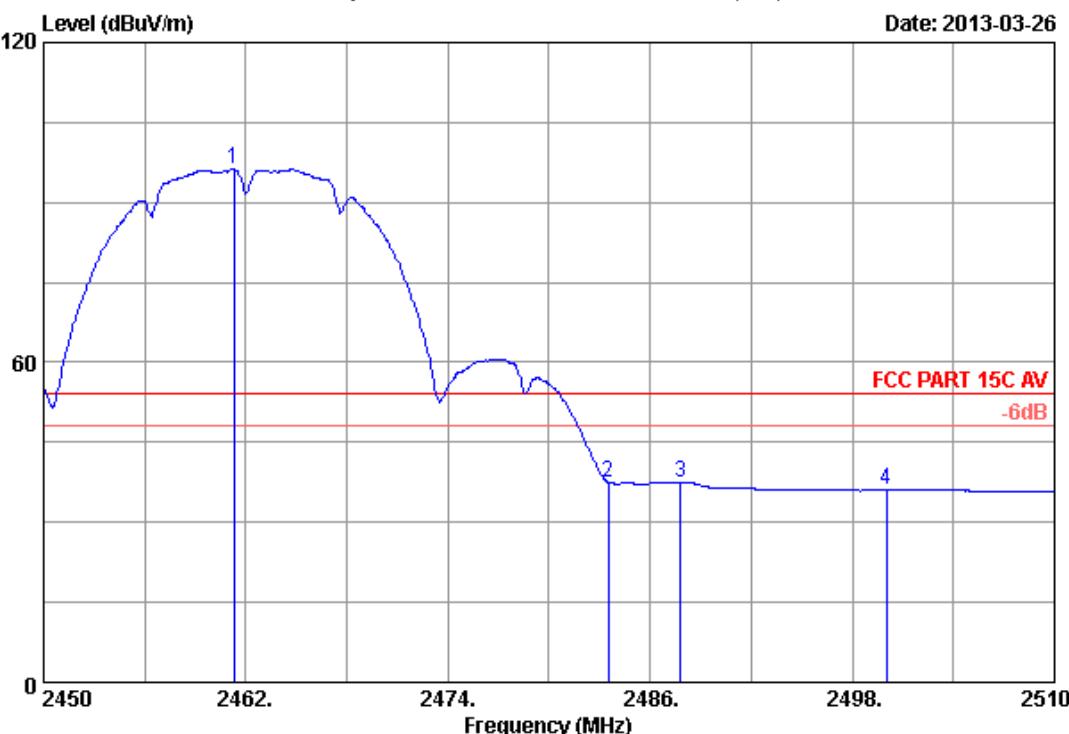
## Remarks:

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

Data: 26

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 26  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.280	27.15	6.12	35.92	98.84	96.19	54.00	-42.19 Average
2	2483.500	27.29	6.16	35.92	40.02	37.55	54.00	16.45 Average
3	2487.800	27.32	6.17	35.92	40.00	37.57	54.00	16.43 Average
4	2500.000	27.40	6.19	35.93	38.34	36.00	54.00	18.00 Average

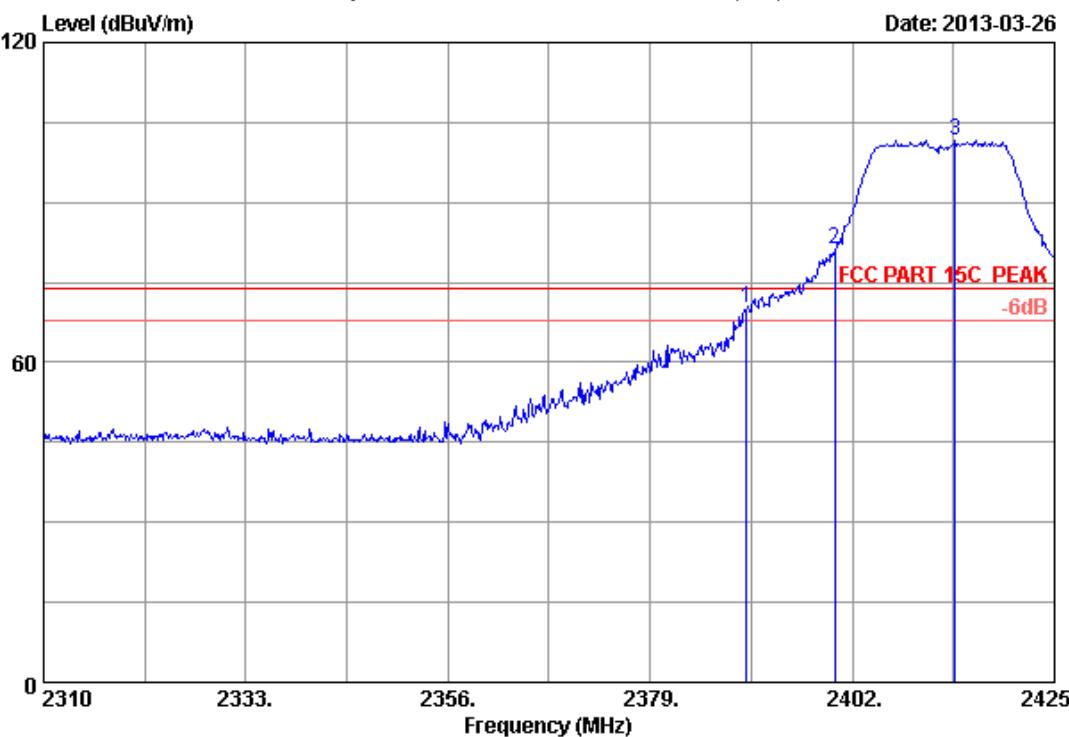
## Remarks:

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

Data: 29

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 29  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	73.28	70.06	74.00	3.94 Peak
2	2400.000	26.76	6.02	35.92	84.26	81.12	74.00	-7.12 Peak
3	2413.730	26.85	6.04	35.92	104.56	101.53	74.00	-27.53 Peak

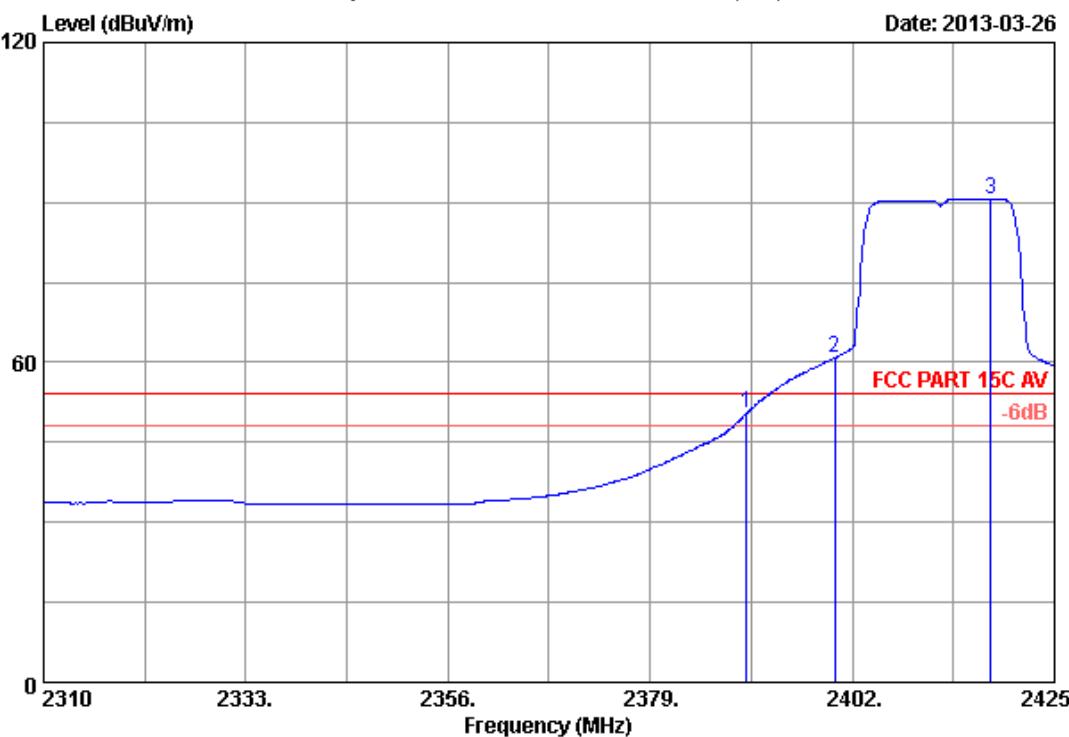
## Remarks:

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

Data: 30

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 30  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	53.73	50.51	54.00	3.49 Average
2	2400.000	26.76	6.02	35.92	64.04	60.90	54.00	-6.90 Average
3	2417.755	26.87	6.05	35.92	93.66	90.66	54.00	-36.66 Average

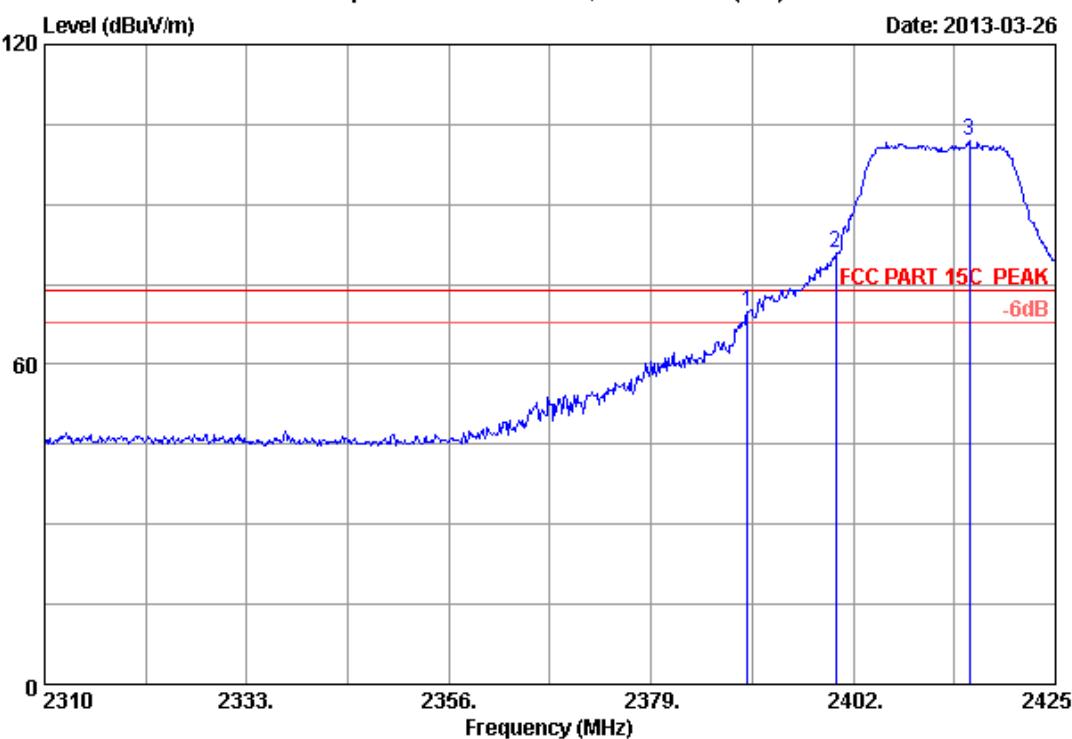
## Remarks:

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

Data: 31

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 31  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11g CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dB <sub>B</sub> V)	Level (dB <sub>B</sub> V/m)	Limits (dB <sub>B</sub> V/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	73.18	69.96	74.00	4.04	Peak
2 2400.000	26.76	6.02	35.92	83.87	80.73	74.00	-6.73	Peak
3 2415.225	26.86	6.04	35.92	104.83	101.81	74.00	-27.81	Peak

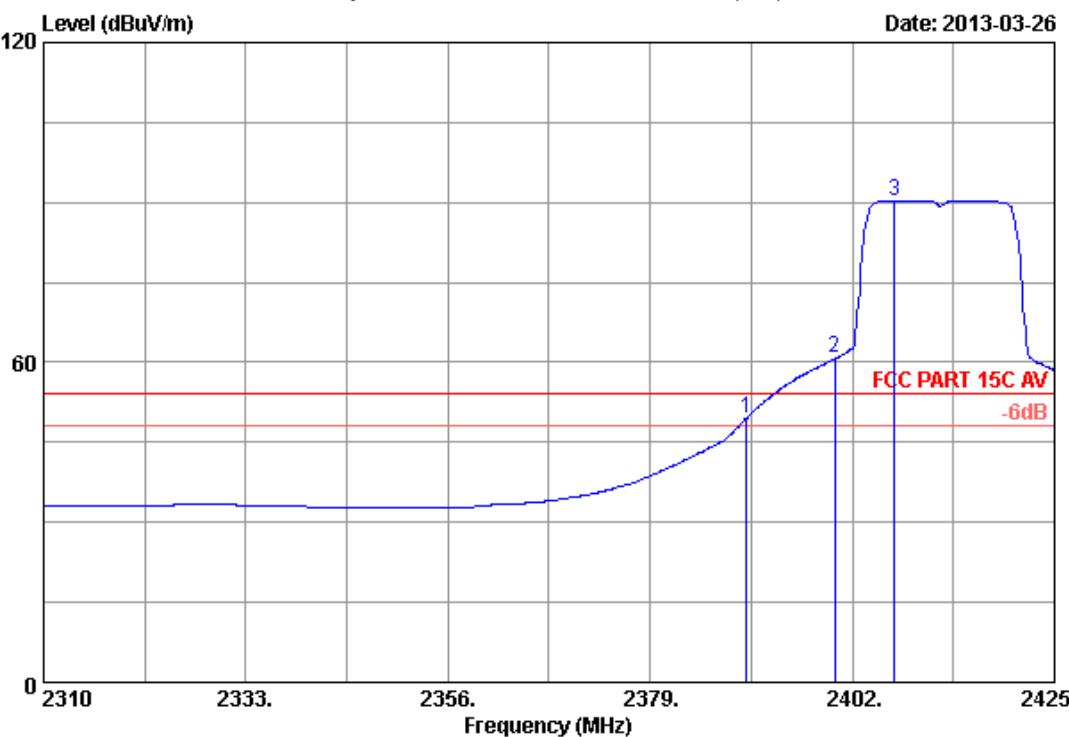
## Remarks:

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

Data: 32

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 32  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	52.85	49.63	54.00	4.37 Peak
2	2400.000	26.76	6.02	35.92	63.85	60.71	54.00	-6.71 Peak
3	2406.830	26.80	6.03	35.92	93.40	90.31	54.00	-36.31 Peak

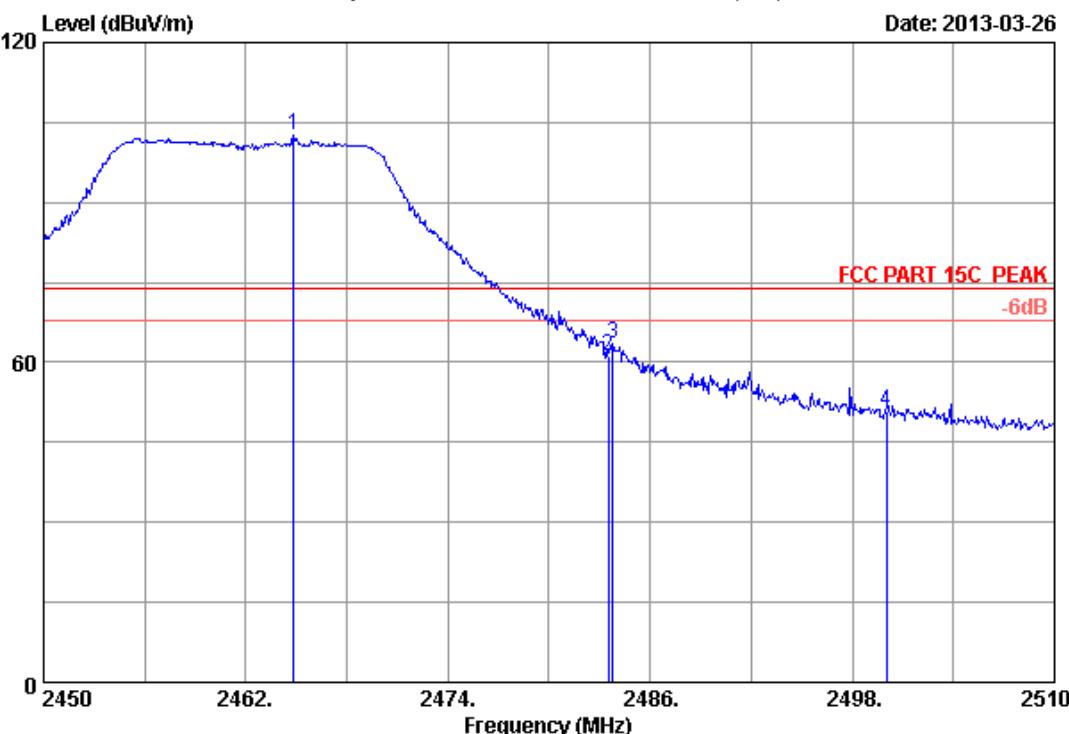
## Remarks:

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

Data: 45

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 45  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2464.820	27.17	6.13	35.92	105.08	102.46	74.00	-28.46 Peak
2	2483.500	27.29	6.16	35.92	63.55	61.08	74.00	12.92 Peak
3	2483.780	27.30	6.16	35.92	65.90	63.44	74.00	10.56 Peak
4	2500.000	27.40	6.19	35.93	53.03	50.69	74.00	23.31 Peak

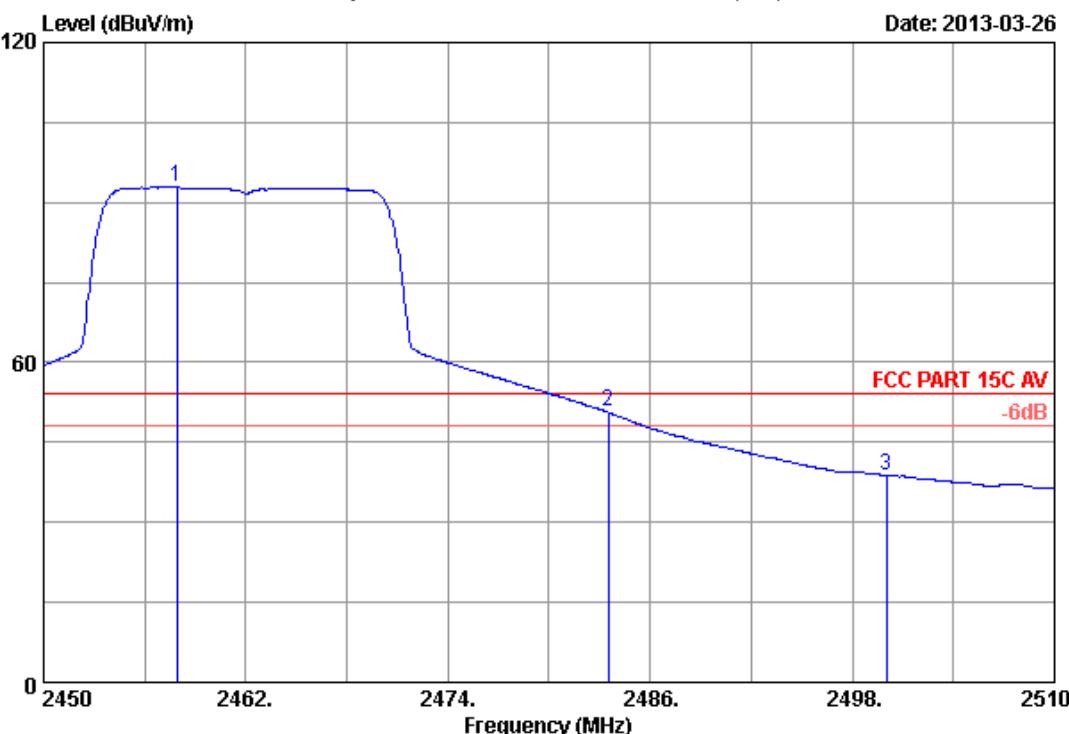
## Remarks:

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

Data: 46

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 46  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2457.920	27.13	6.12	35.92	95.49	92.82	54.00	-38.82 Average
2	2483.500	27.29	6.16	35.92	53.12	50.65	54.00	3.35 Average
3	2500.000	27.40	6.19	35.93	41.21	38.87	54.00	15.13 Average

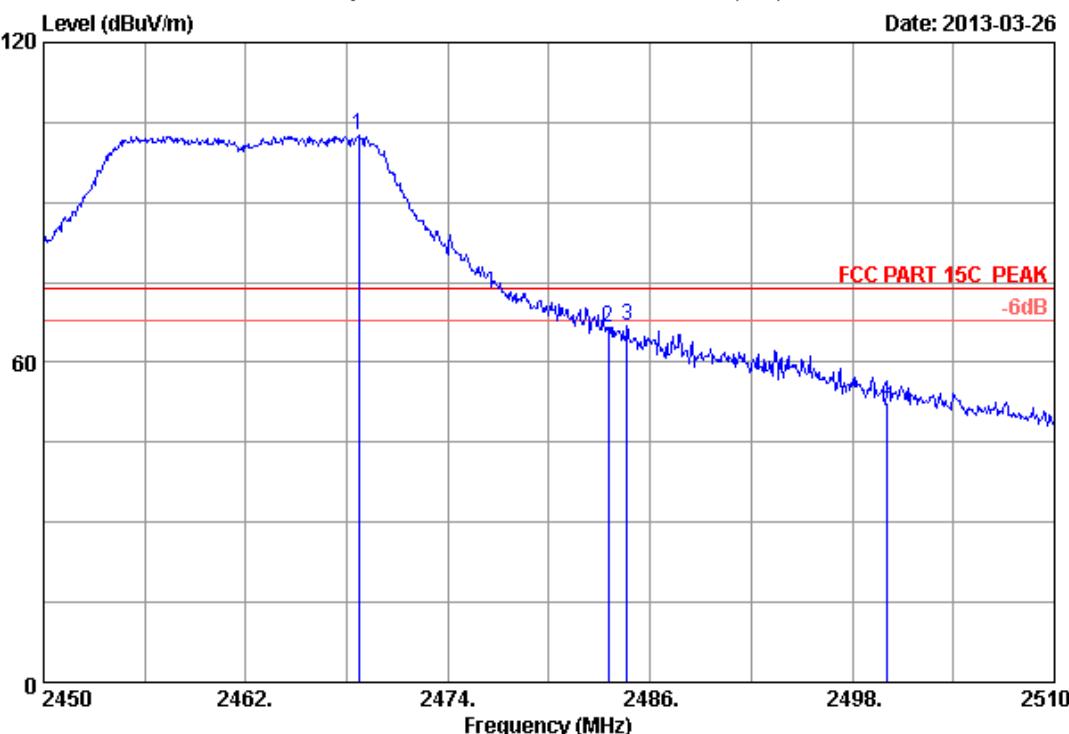
## Remarks:

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

Data: 47

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 47  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2468.720	27.20	6.13	35.92	105.16	102.57	74.00	-28.57 Peak
2	2483.500	27.29	6.16	35.92	69.05	66.58	74.00	7.42 Peak
3	2484.620	27.30	6.16	35.92	69.46	67.00	74.00	7.00 Peak
4	2500.000	27.40	6.19	35.93	54.98	52.64	74.00	21.36 Peak

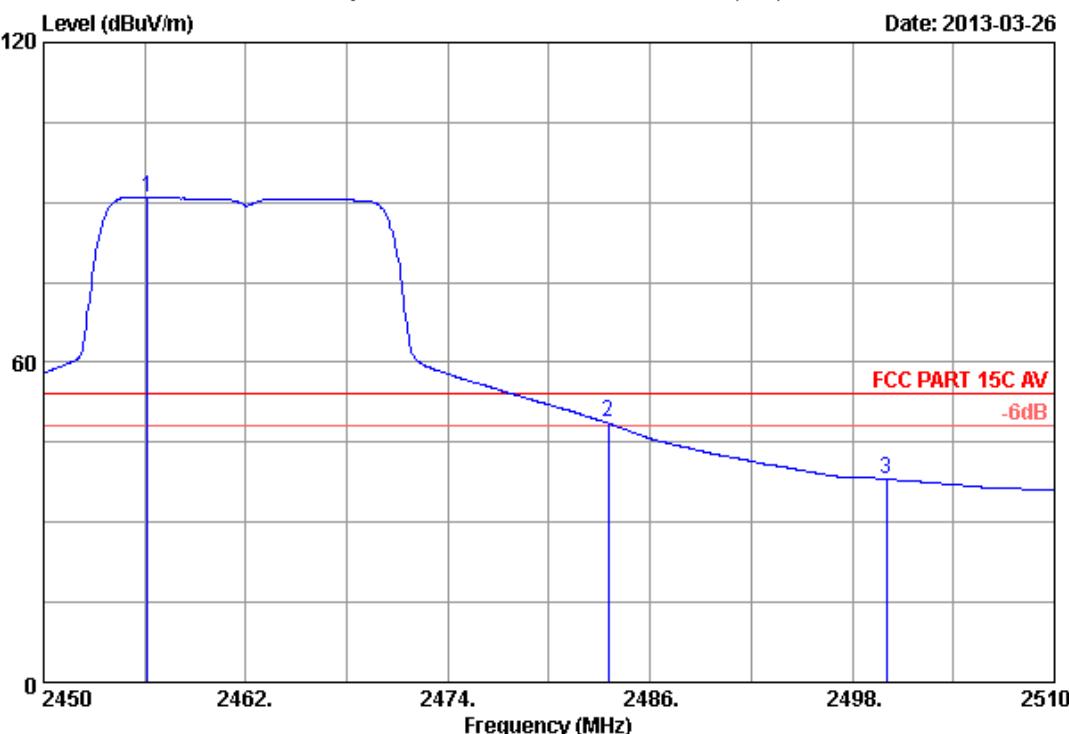
## Remarks:

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

Data: 48

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 48  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2456.180	27.12	6.11	35.92	93.73	91.04	54.00	-37.04 Average
2	2483.500	27.29	6.16	35.92	51.11	48.64	54.00	5.36 Average
3	2500.000	27.40	6.19	35.93	40.44	38.10	54.00	15.90 Average

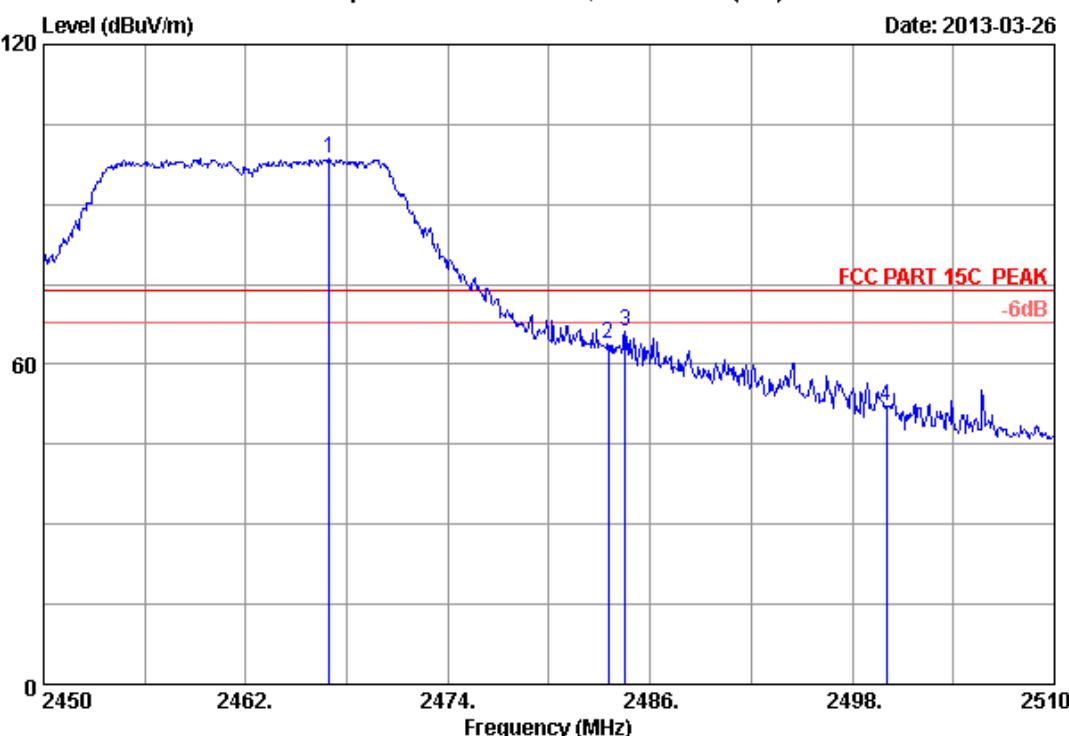
## Remarks:

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

Data: 53

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 53  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2466.980	27.19	6.13	35.92	101.29	98.69	74.00	-24.69 Peak
2	2483.500	27.29	6.16	35.92	66.19	63.72	74.00	10.28 Peak
3	2484.500	27.30	6.16	35.92	68.75	66.29	74.00	7.71 Peak
4	2500.000	27.40	6.19	35.93	54.62	52.28	74.00	21.72 Peak

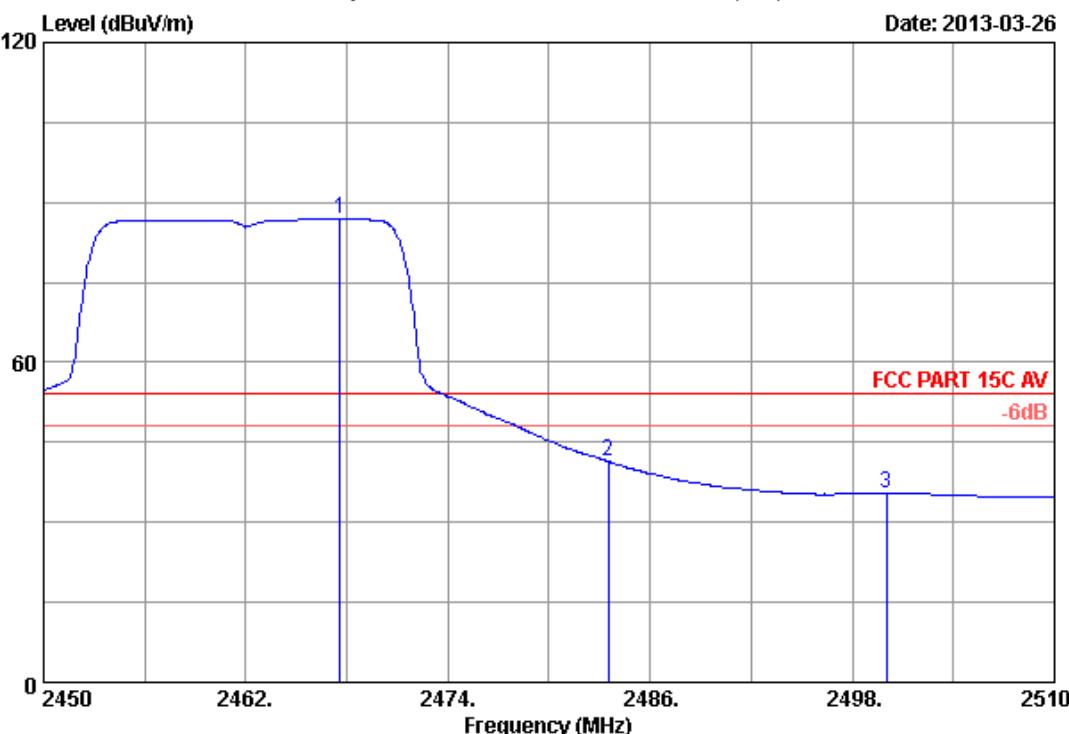
## Remarks:

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

Data: 54

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 54  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2467.580	27.19	6.13	35.92	89.49	86.89	54.00	-32.89	Average
2 2483.500	27.29	6.16	35.92	43.87	41.40	54.00	12.60	Average
3 2500.000	27.40	6.19	35.93	37.75	35.41	54.00	18.59	Average

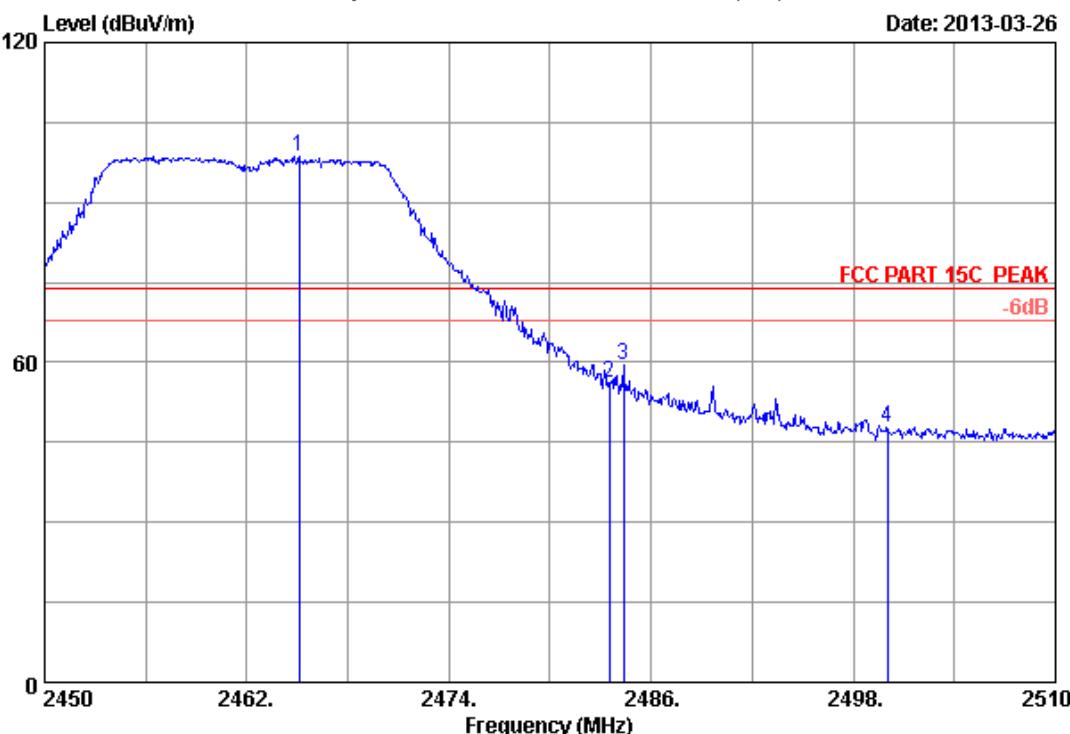
## Remarks:

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

Data: 55

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 55  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2465.120	27.18	6.13	35.92	101.35	98.74	74.00	-24.74 Peak
2	2483.500	27.29	6.16	35.92	58.65	56.18	74.00	17.82 Peak
3	2484.380	27.30	6.16	35.92	62.10	59.64	74.00	14.36 Peak
4	2500.000	27.40	6.19	35.93	50.20	47.86	74.00	26.14 Peak

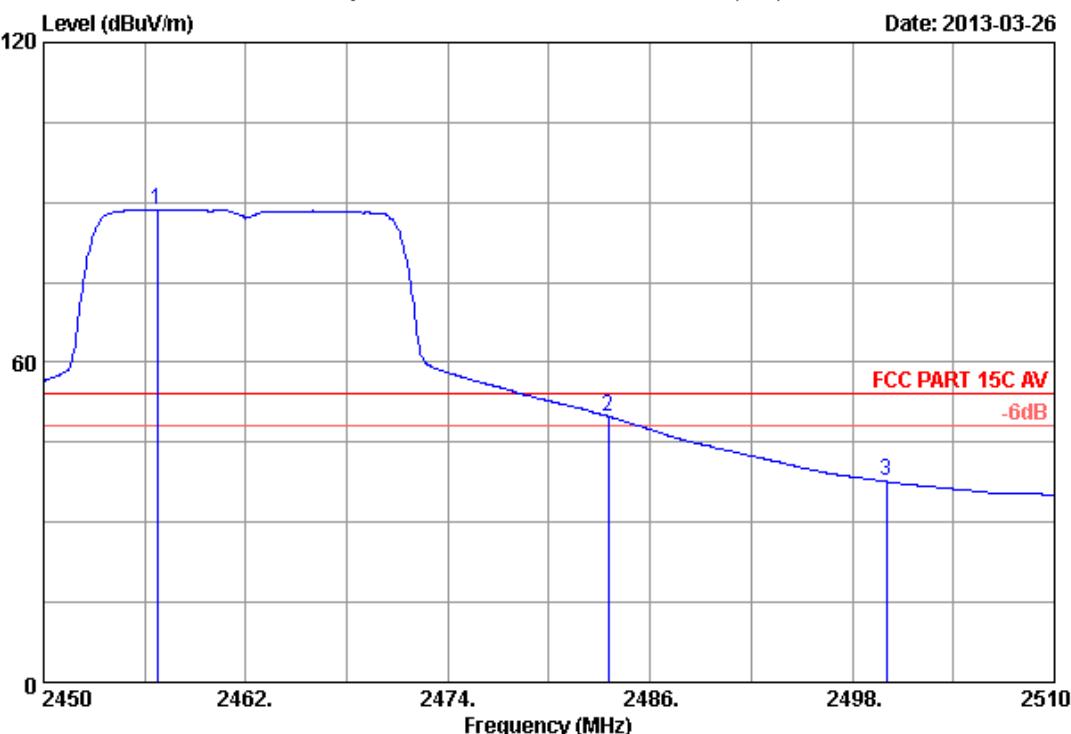
## Remarks:

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

Data: 56

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-26



Site no. : 3m Chamber Data no. : 56  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2456.720	27.12	6.11	35.92	91.39	88.70	54.00	-34.70	Average
2 2483.500	27.29	6.16	35.92	52.41	49.94	54.00	4.06	Average
3 2500.000	27.40	6.19	35.93	40.00	37.66	54.00	16.34	Average

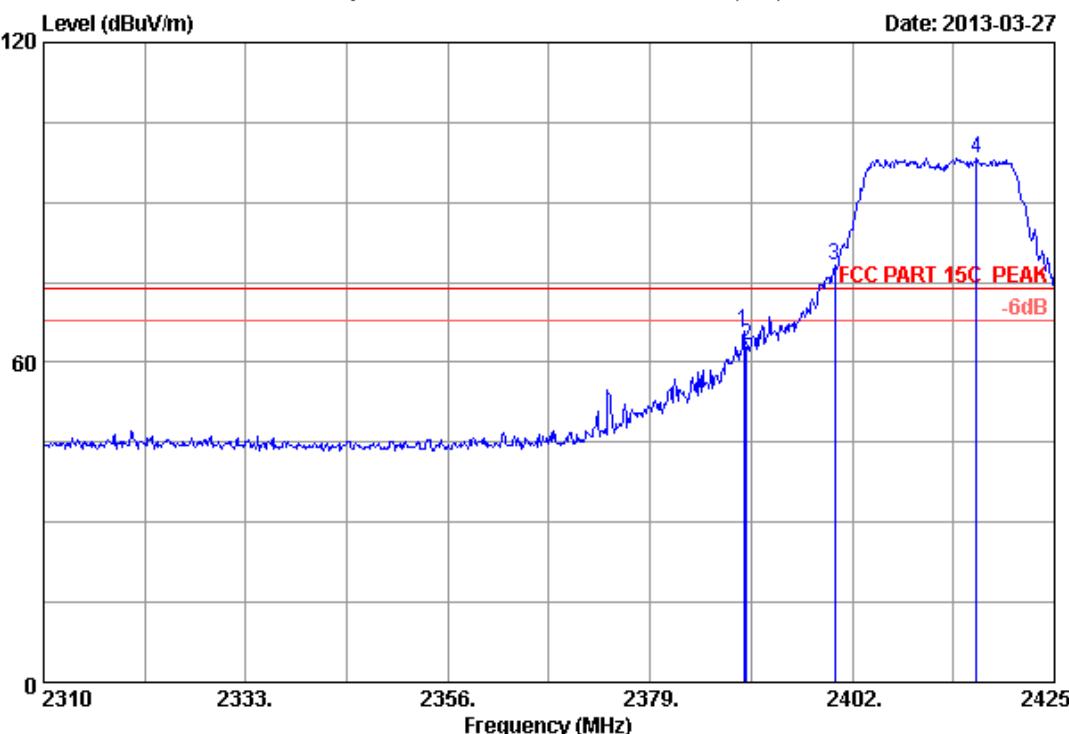
## Remarks:

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

Data: 75

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 75  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2389.695	26.69	6.00	35.92	69.09	65.86	74.00	8.14	Peak
2 2390.000	26.70	6.00	35.92	66.25	63.03	74.00	10.97	Peak
3 2400.000	26.76	6.02	35.92	81.23	78.09	74.00	-4.09	Peak
4 2416.145	26.86	6.04	35.92	101.19	98.17	74.00	-24.17	Peak

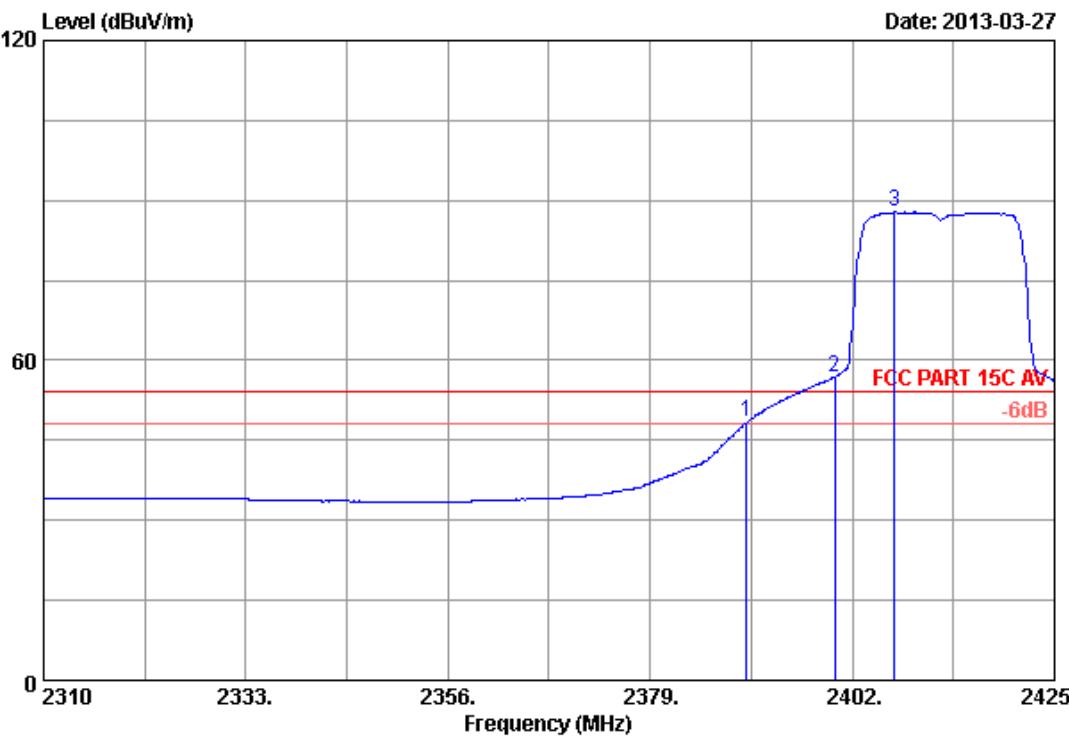
## Remarks:

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

Data: 76

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	51.60	48.38	54.00	5.62 Average
2	2400.000	26.76	6.02	35.92	60.12	56.98	54.00	-2.98 Average
3	2406.830	26.80	6.03	35.92	90.86	87.77	54.00	-33.77 Average

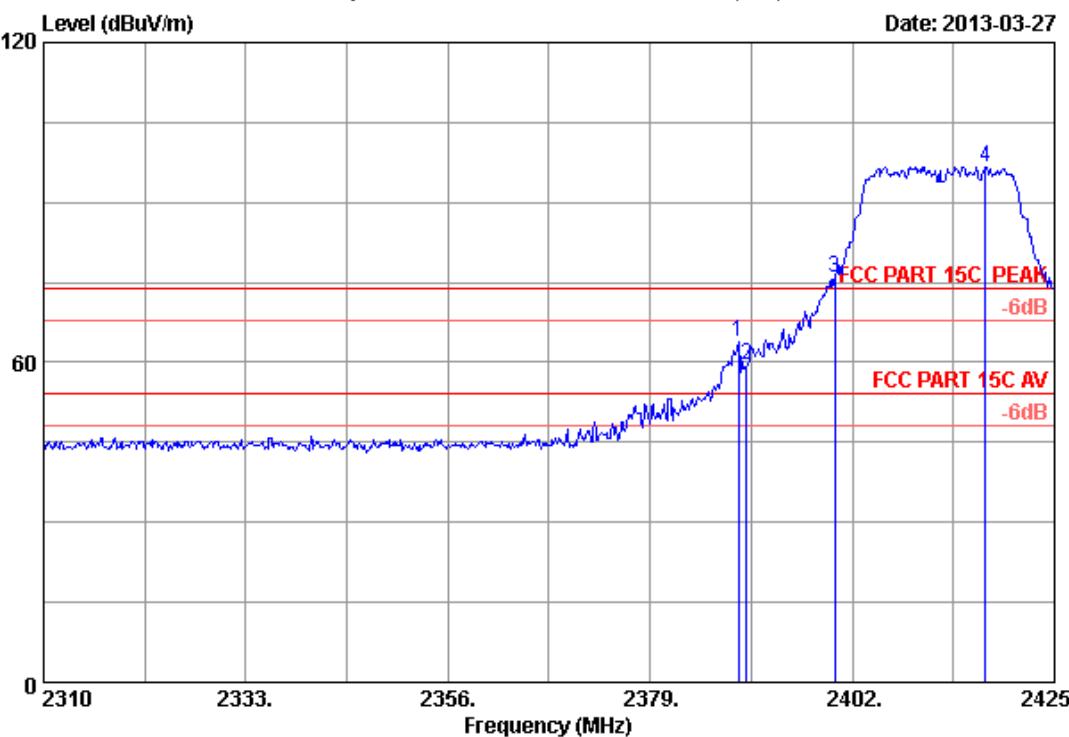
## Remarks:

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

Data: 77

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 77  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2389.005	26.69	6.00	35.92	67.05	63.82	74.00	10.18	Peak
2 2390.000	26.70	6.00	35.92	62.88	59.66	74.00	14.34	Peak
3 2400.000	26.76	6.02	35.92	79.11	75.97	74.00	-1.97	Peak
4 2417.180	26.87	6.05	35.92	99.72	96.72	74.00	-22.72	Peak

## Remarks:

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

Data: 78

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 78  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.70	6.00	35.92	49.12	45.90	54.00	8.10 Average
2	2400.000	26.76	6.02	35.92	59.32	56.18	54.00	-2.18 Average
3	2406.255	26.80	6.03	35.92	90.28	87.19	54.00	-33.19 Average

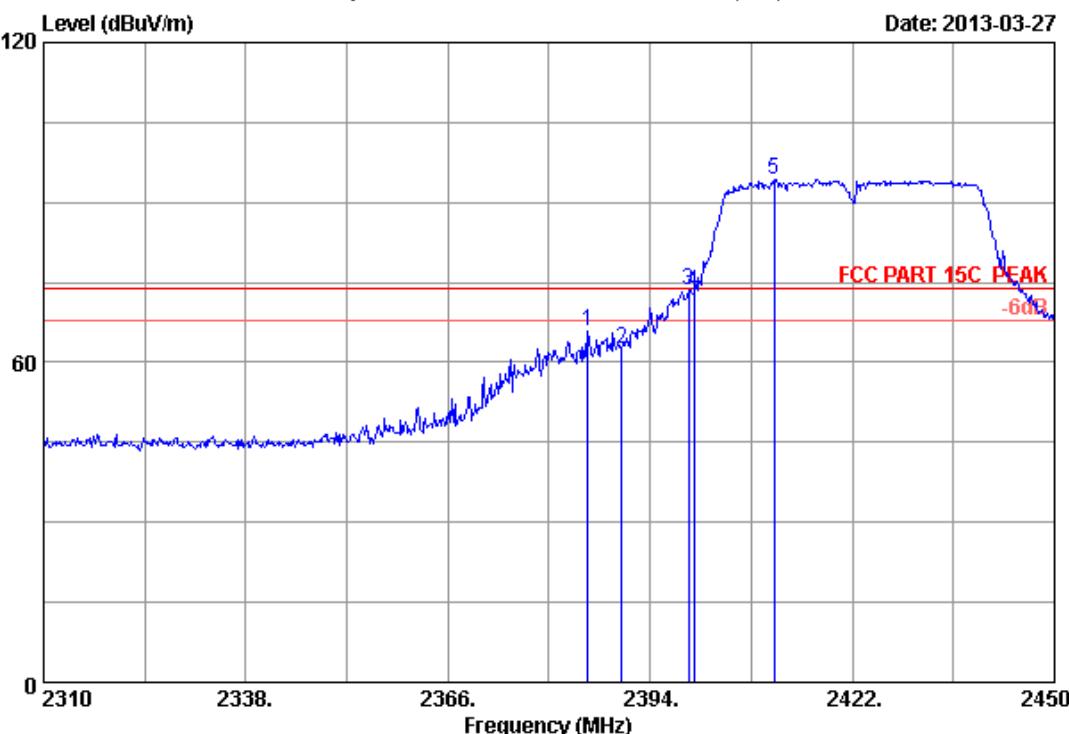
## Remarks:

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

Data: 79

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 79  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2385.320	26.67	5.99	35.92	69.03	65.77	74.00	8.23 Peak
2	2390.000	26.70	6.00	35.92	65.85	62.63	74.00	11.37 Peak
3	2399.320	26.76	6.02	35.92	76.81	73.67	74.00	0.33 Peak
4	2400.000	26.76	6.02	35.92	76.36	73.22	74.00	0.78 Peak
5	2411.220	26.83	6.04	35.92	97.37	94.32	74.00	-20.32 Peak

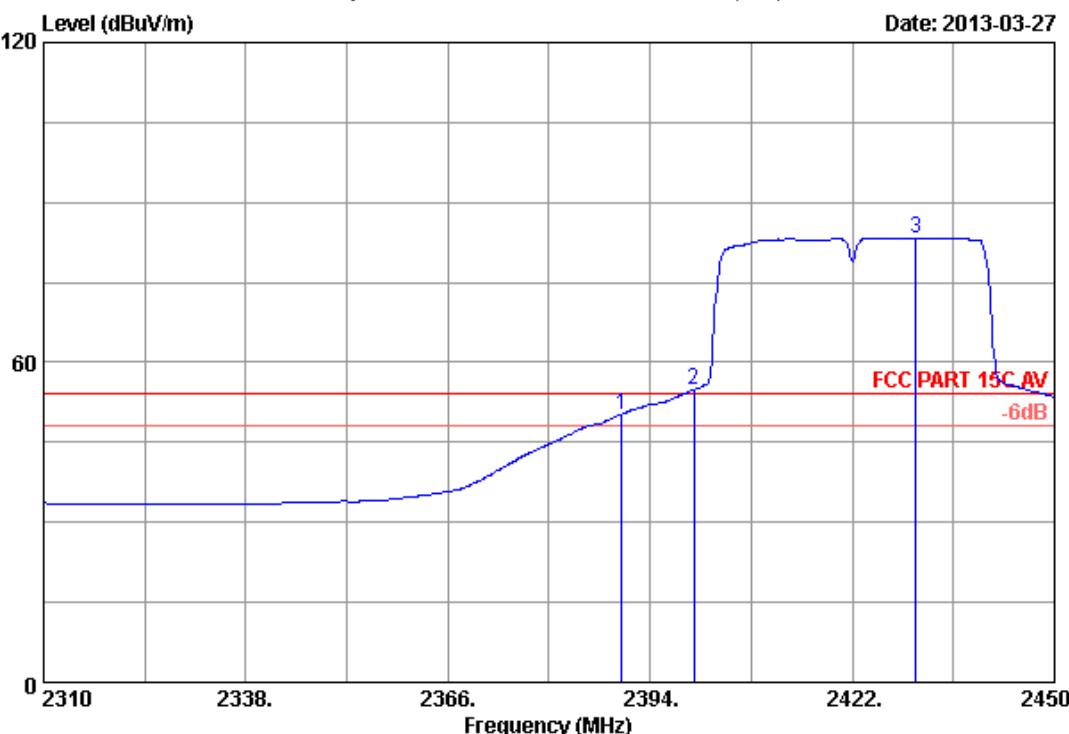
## Remarks:

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

Data: 80

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 80  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	53.46	50.24	54.00	3.76	Average
2 2400.000	26.76	6.02	35.92	58.06	54.92	54.00	-0.92	Average
3 2430.820	26.96	6.07	35.92	86.22	83.33	54.00	-29.33	Average

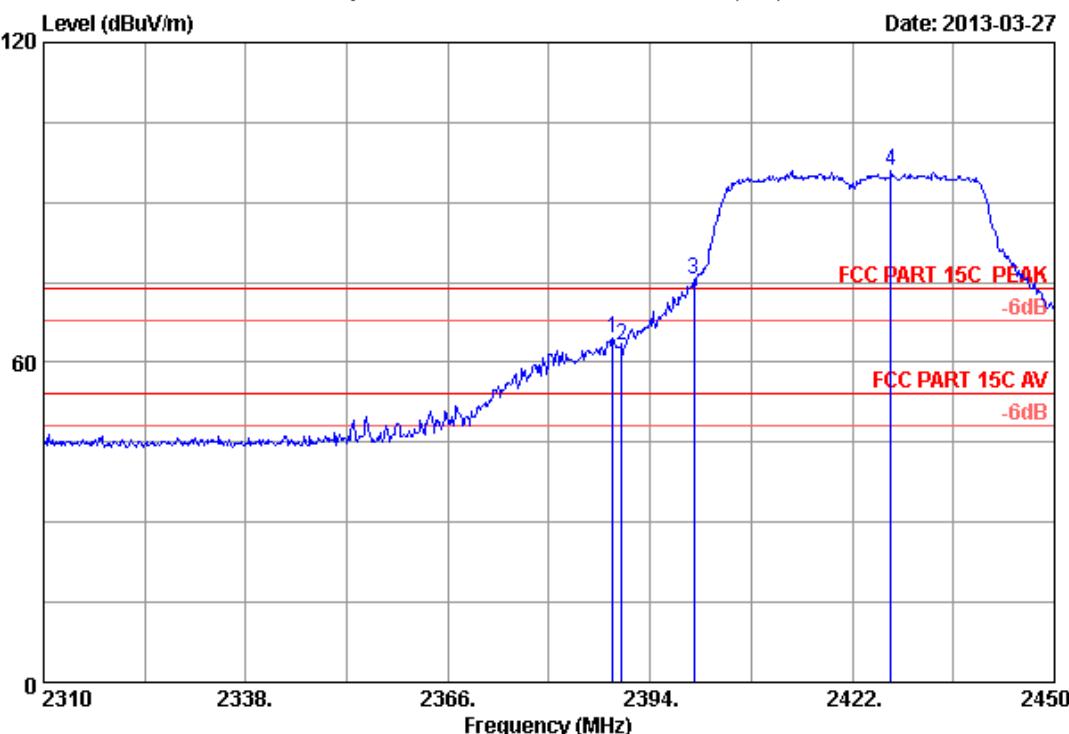
## Remarks:

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

Data: 81

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 81  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2388.820	26.69	6.00	35.92	67.80	64.57	74.00	9.43 Peak
2	2390.000	26.70	6.00	35.92	66.47	63.25	74.00	10.75 Peak
3	2400.000	26.76	6.02	35.92	78.56	75.42	74.00	-1.42 Peak
4	2427.320	26.93	6.06	35.92	98.84	95.91	74.00	-21.91 Peak

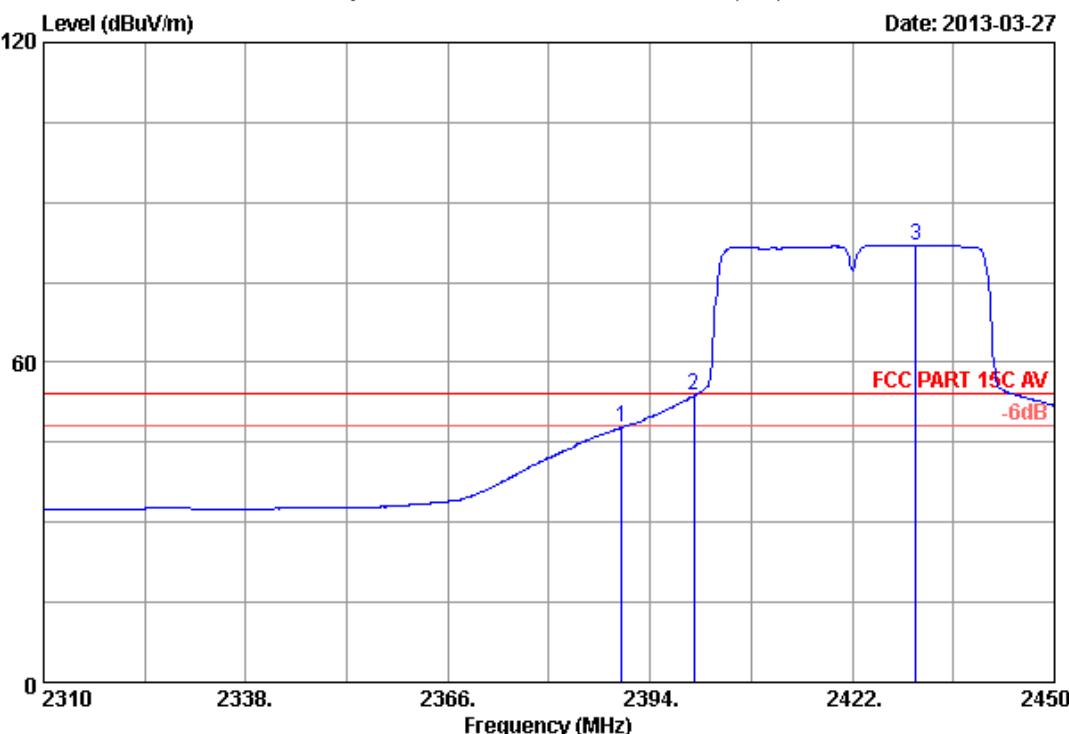
## Remarks:

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

Data: 82

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 82  
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : Wireless Lite-N USB Module  
 Power supply : DC 5V From PC input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 M/N : PW-MN421  
 : 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2390.000	26.70	6.00	35.92	50.89	47.67	54.00	6.33	Average
2 2400.000	26.76	6.02	35.92	56.89	53.75	54.00	0.25	Average
3 2430.820	26.96	6.07	35.92	84.83	81.94	54.00	-27.94	Average

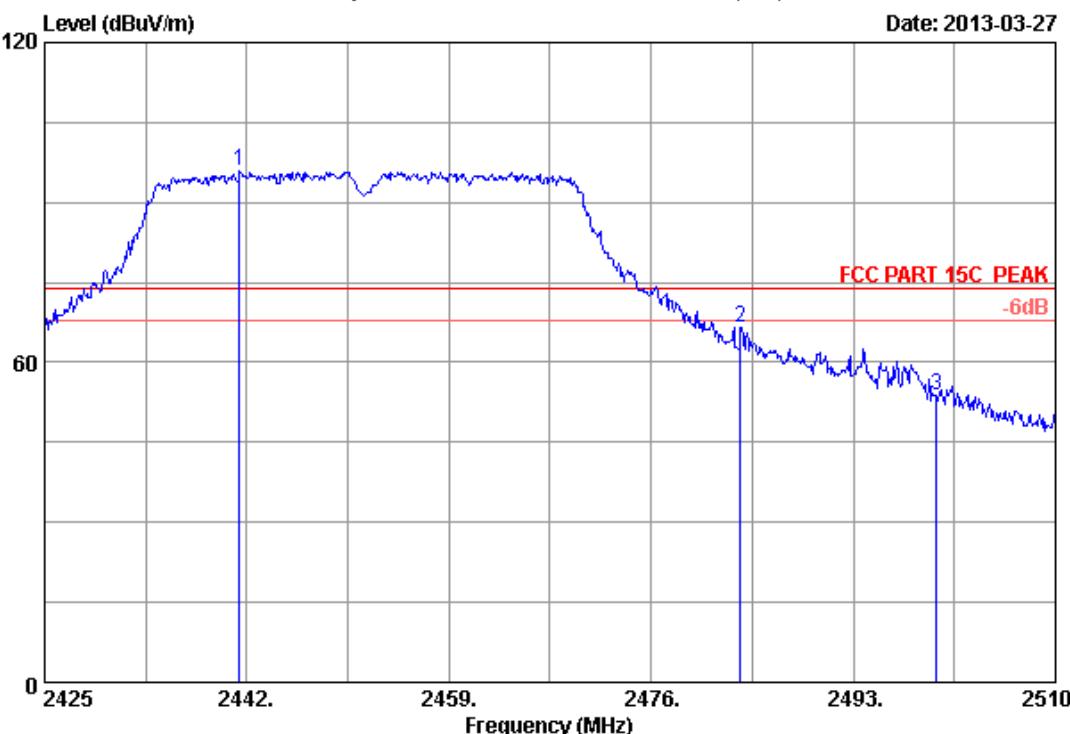
## Remarks:

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

Data: 97

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 97  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2441.405	27.02	6.09	35.92	98.79	95.98	74.00	-21.98	Peak
2 2483.500	27.29	6.16	35.92	68.98	66.51	74.00	7.49	Peak
3 2500.000	27.40	6.19	35.93	56.10	53.76	74.00	20.24	Peak

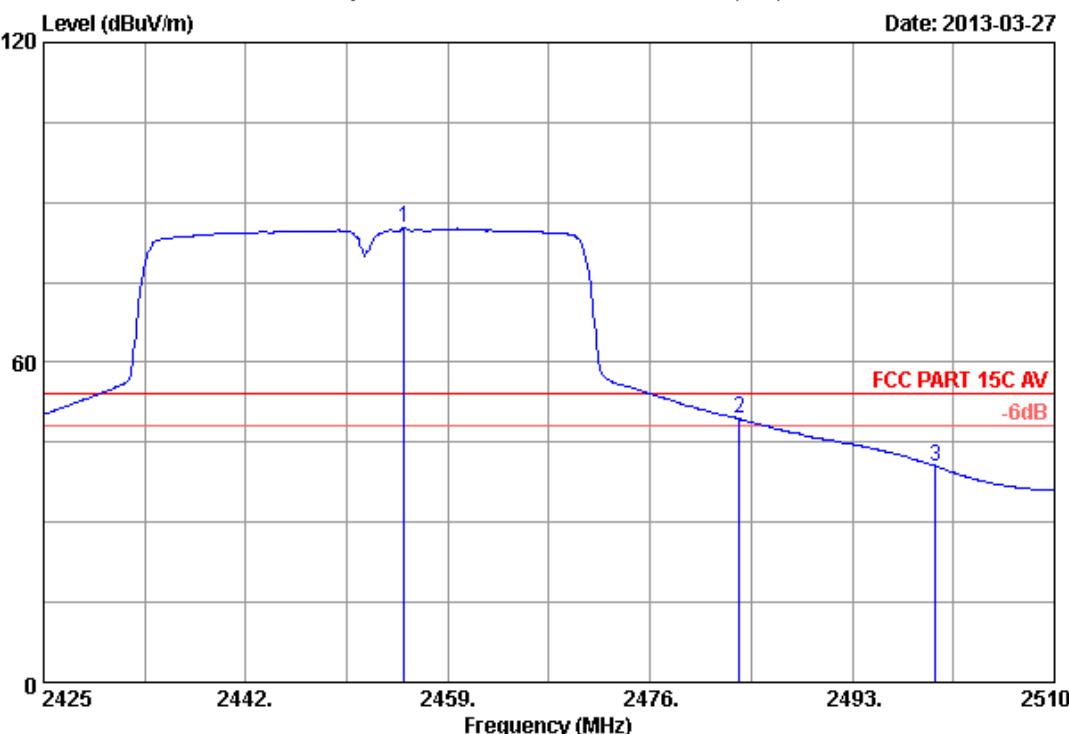
## Remarks:

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

Data: 98

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27



Site no. : 3m Chamber Data no. : 98  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2455.345	27.11	6.11	35.92	88.01	85.31	54.00	-31.31	Average
2 2483.500	27.29	6.16	35.92	51.92	49.45	54.00	4.55	Average
3 2500.000	27.40	6.19	35.93	42.90	40.56	54.00	13.44	Average

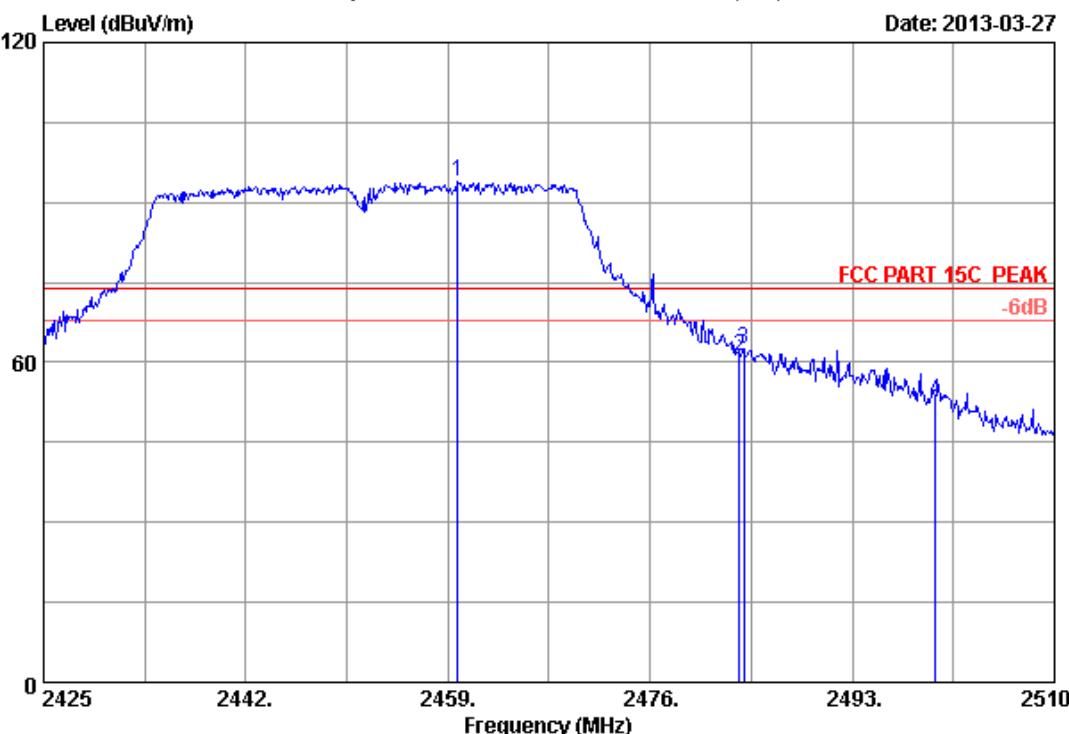
## Remarks:

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

Data: 99

File: G:\2013 report\P\Proware\ACS13Q0279 - 1.EM6 (104)

Date: 2013-03-27

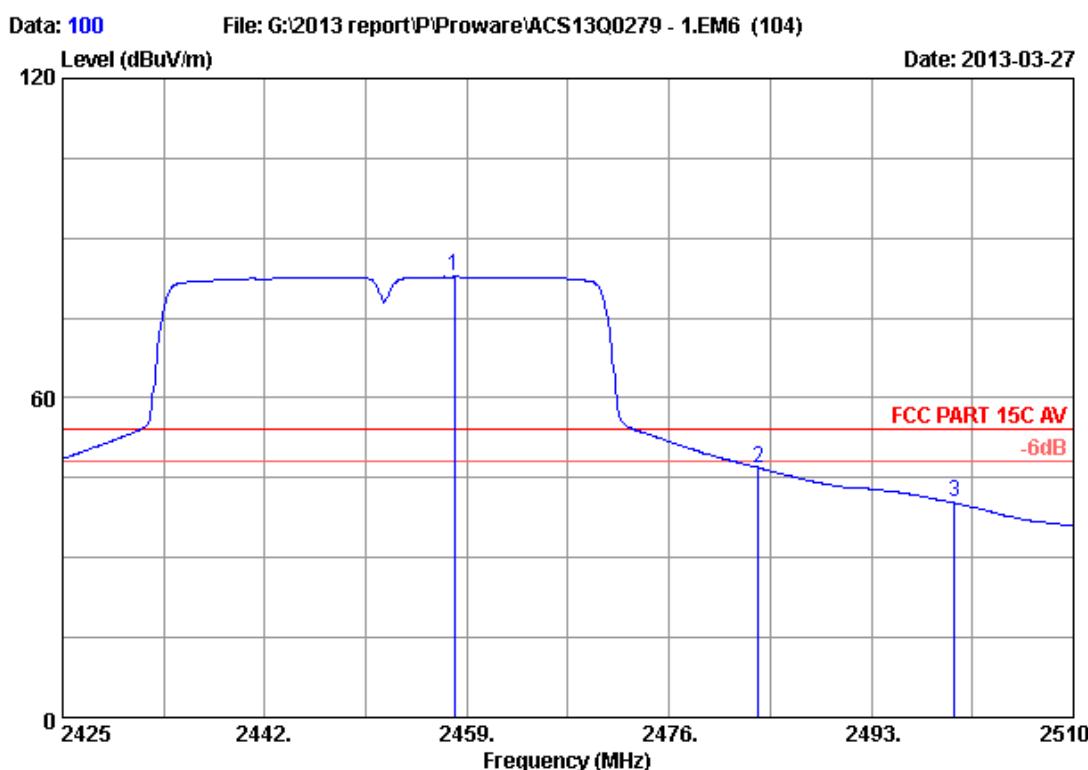


Site no. : 3m Chamber Data no. : 99  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2459.850	27.14	6.12	35.92	96.56	93.90	74.00	-19.90	Peak
2 2483.500	27.29	6.16	35.92	63.66	61.19	74.00	12.81	Peak
3 2483.905	27.30	6.16	35.92	64.80	62.34	74.00	11.66	Peak
4 2500.000	27.40	6.19	35.93	55.01	52.67	74.00	21.33	Peak

## Remarks:

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



Site no. : 3m Chamber Data no. : 100  
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : Wireless Lite-N USB Module  
Power supply : DC 5V From PC input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
M/N : PW-MN421  
: 1120-1300REV

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2457.980	27.13	6.12	35.92	85.45	82.78	54.00	-28.78 Average
2	2483.500	27.29	6.16	35.92	49.37	46.90	54.00	7.10 Average
3	2500.000	27.40	6.19	35.93	42.66	40.32	54.00	13.68 Average

Remarks:

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

## 7. 6dB Bandwidth Test

### 7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.31, 12	1 Year
4.	HF Cable	Hubersuhner	Sucoflex104	-	May.08, 12	1 Year

### 7.2. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

### 7.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW for 11b/g and 11Nht20,470KHz RBW and 5MHz VBW for 11n HT40. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

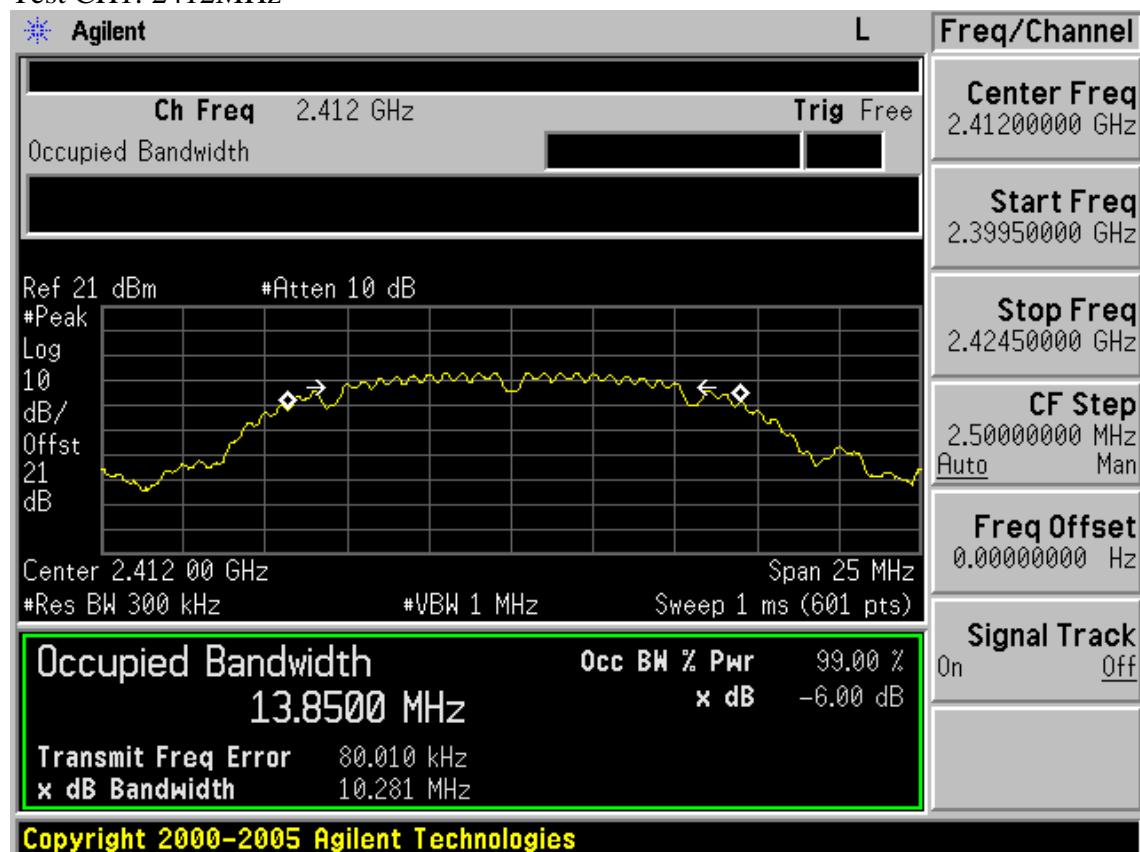
### 7.4. Test Results

EUT: Wireless Lite-N USB Module		
M/N: PW-MN421		
Test date: 2013-03-28	Pressure: 101.4±1.0 kpa	Humidity: 51.4±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature : 22.2±0.6 °C

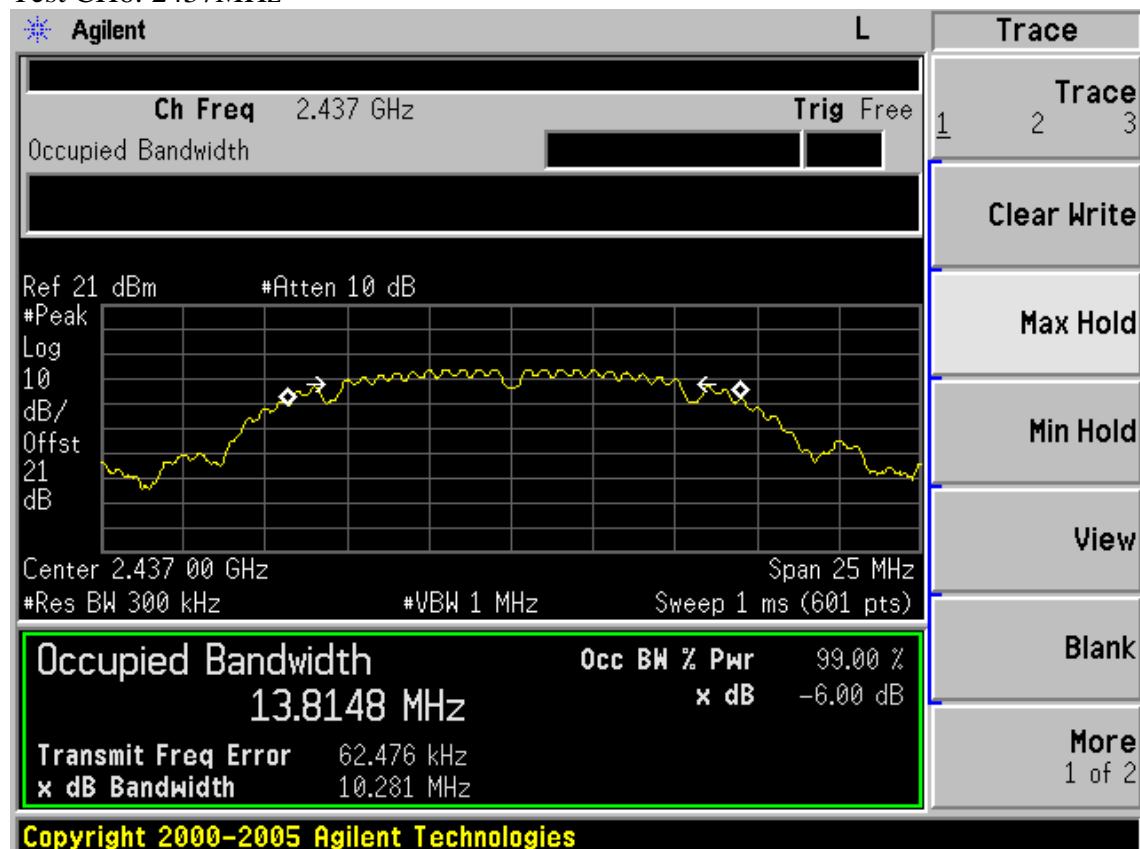
Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH	6dB bandwidth ( MHz )	Limit ( KHz )
11b	CH1	10.281	>500
	CH6	10.281	>500
	CH11	10.286	>500
11g	CH1	16.453	>500
	CH6	16.378	>500
	CH11	16.491	>500
11n HT20	CH1	17.695	>500
	CH6	17.816	>500
	CH11	17.668	>500
11n HT40	CH1	35.543	>500
	CH4	35.945	>500
	CH7	36.095	>500
Conclusion : PASS			

Test Mode: IEEE 802.11b TX

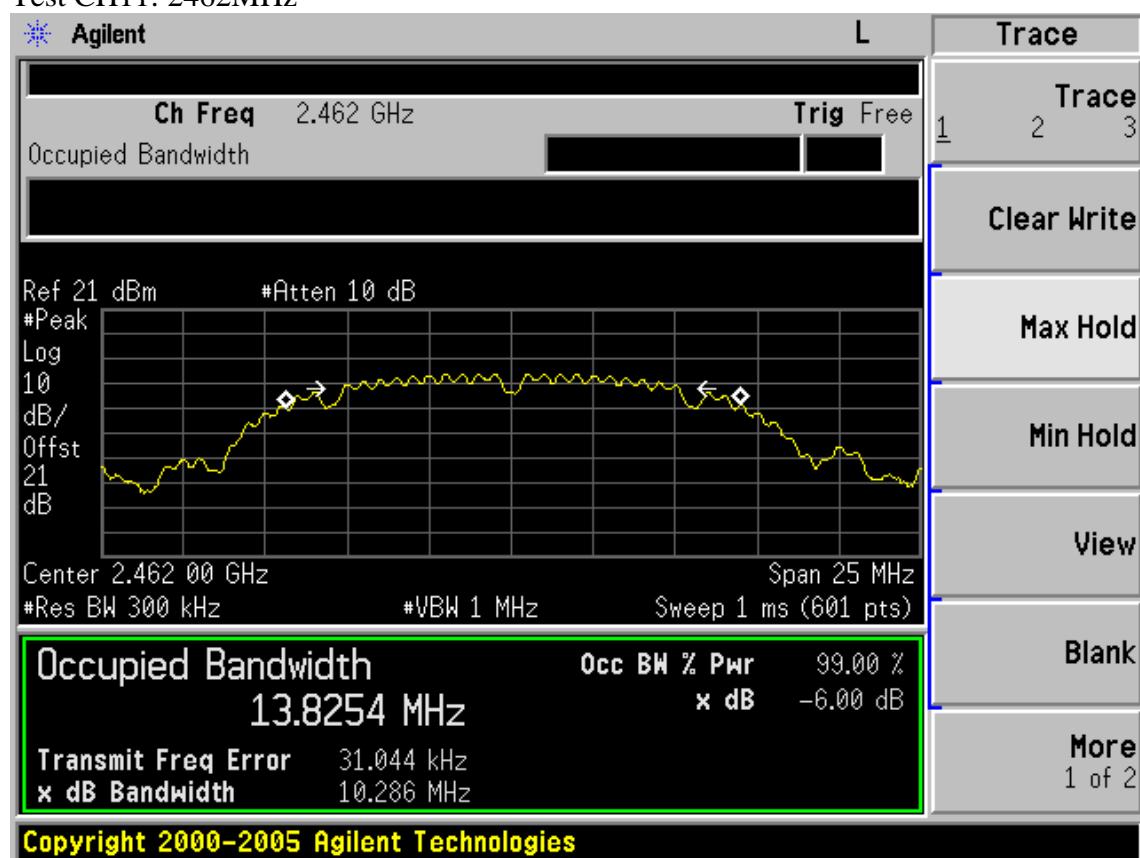
Test CH1: 2412MHz



Test CH6: 2437MHz

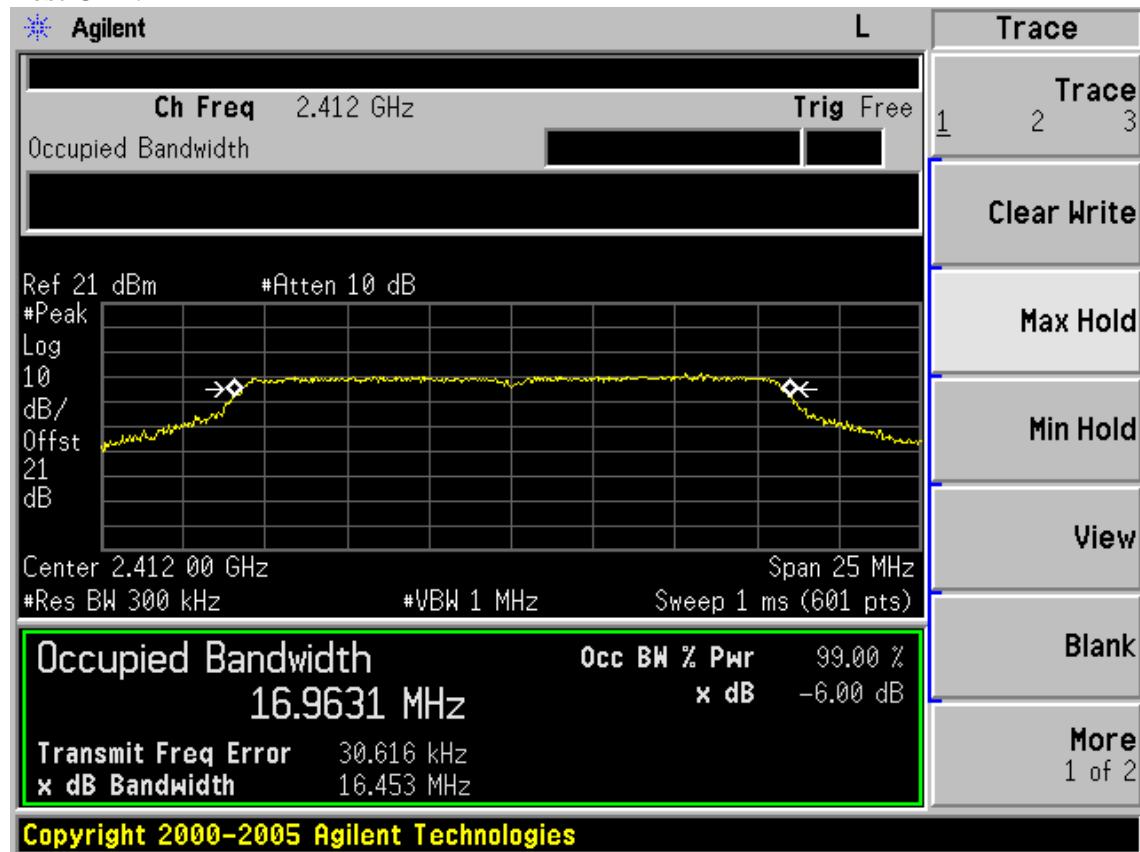


Test CH11: 2462MHz

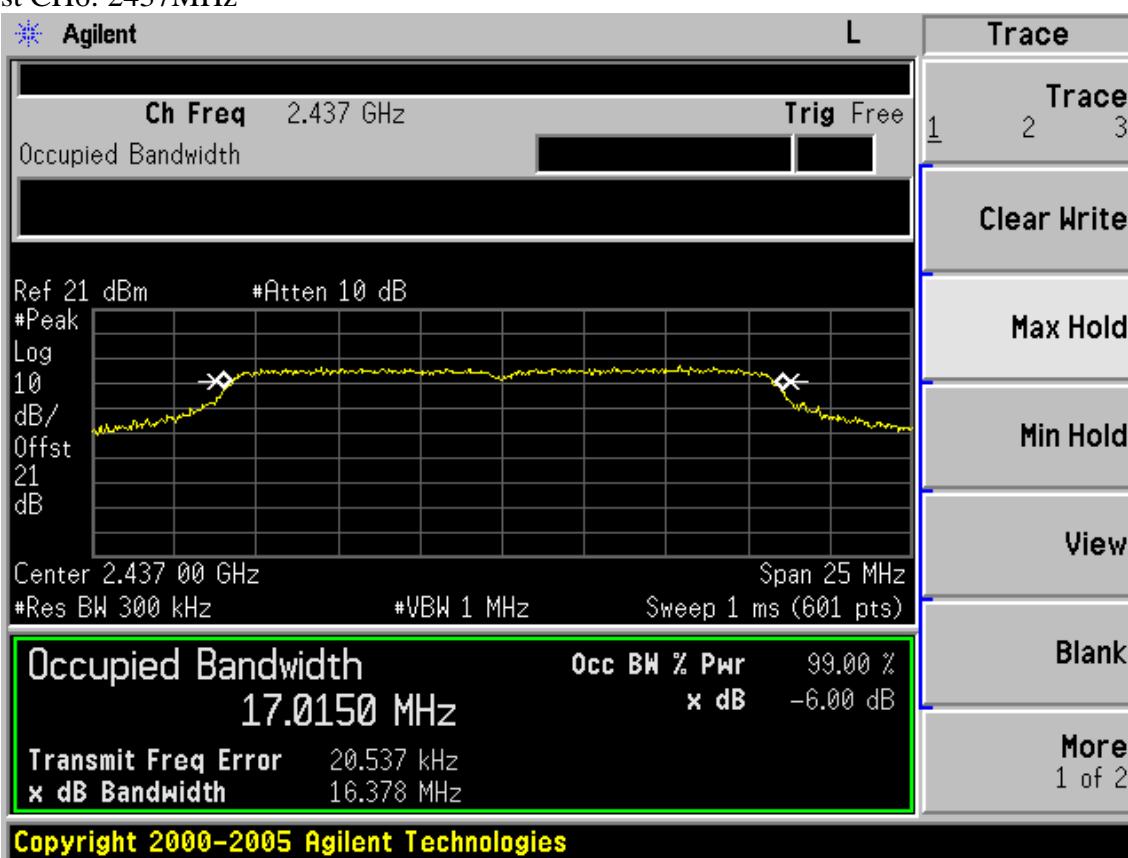


Test Mode: IEEE 802.11g TX

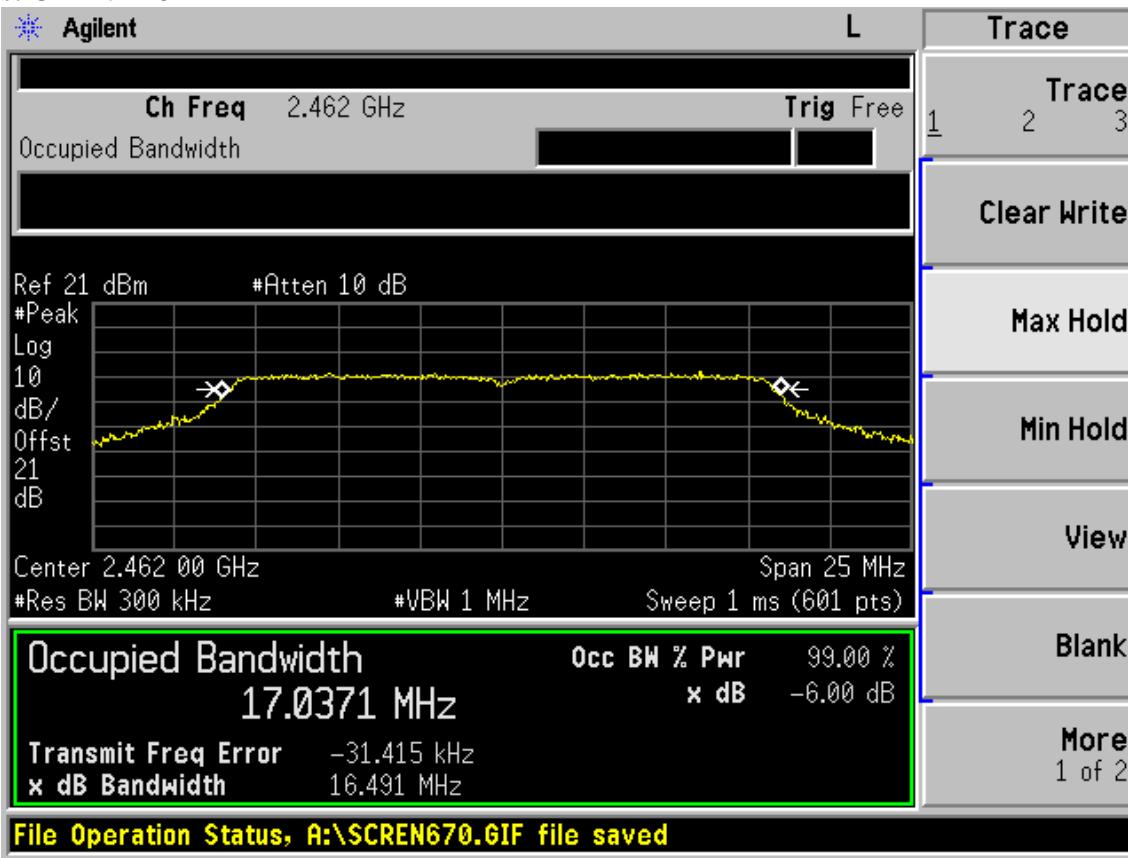
Test CH1: 2412MHz



## Test CH6: 2437MHz

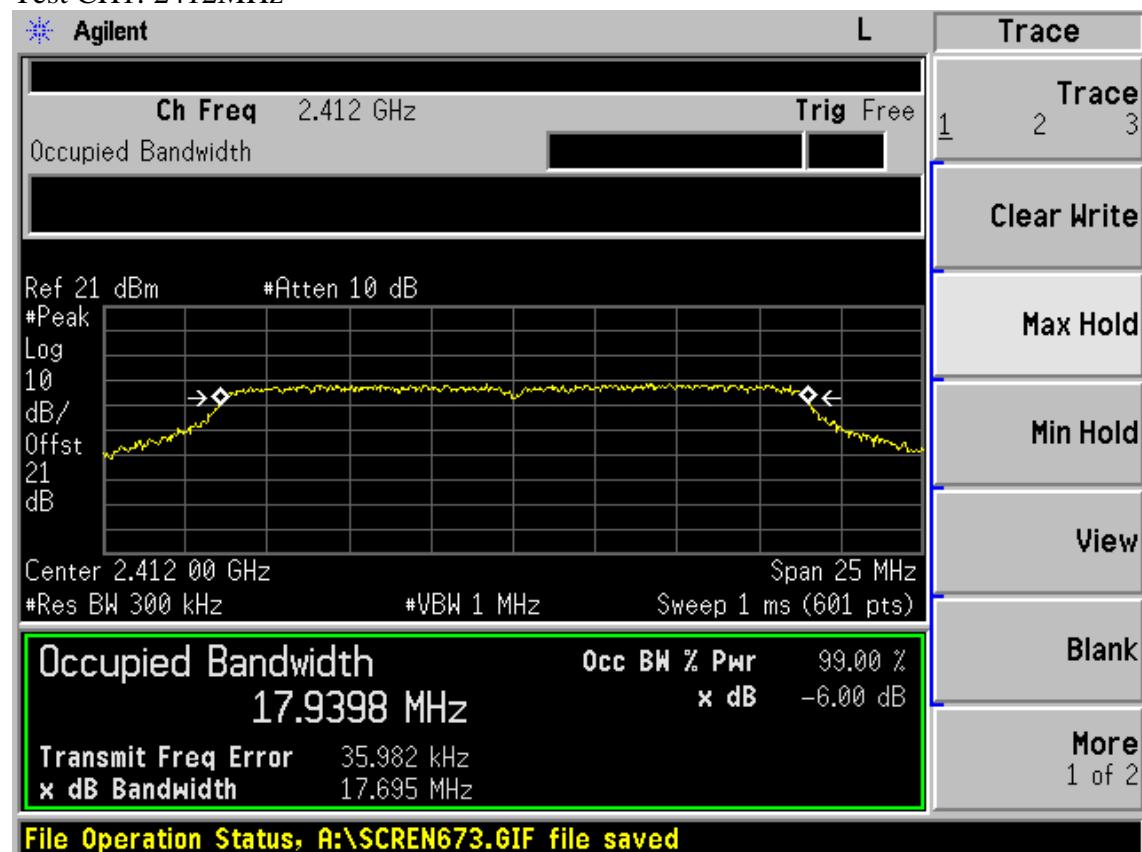


## Test CH11: 2462MHz

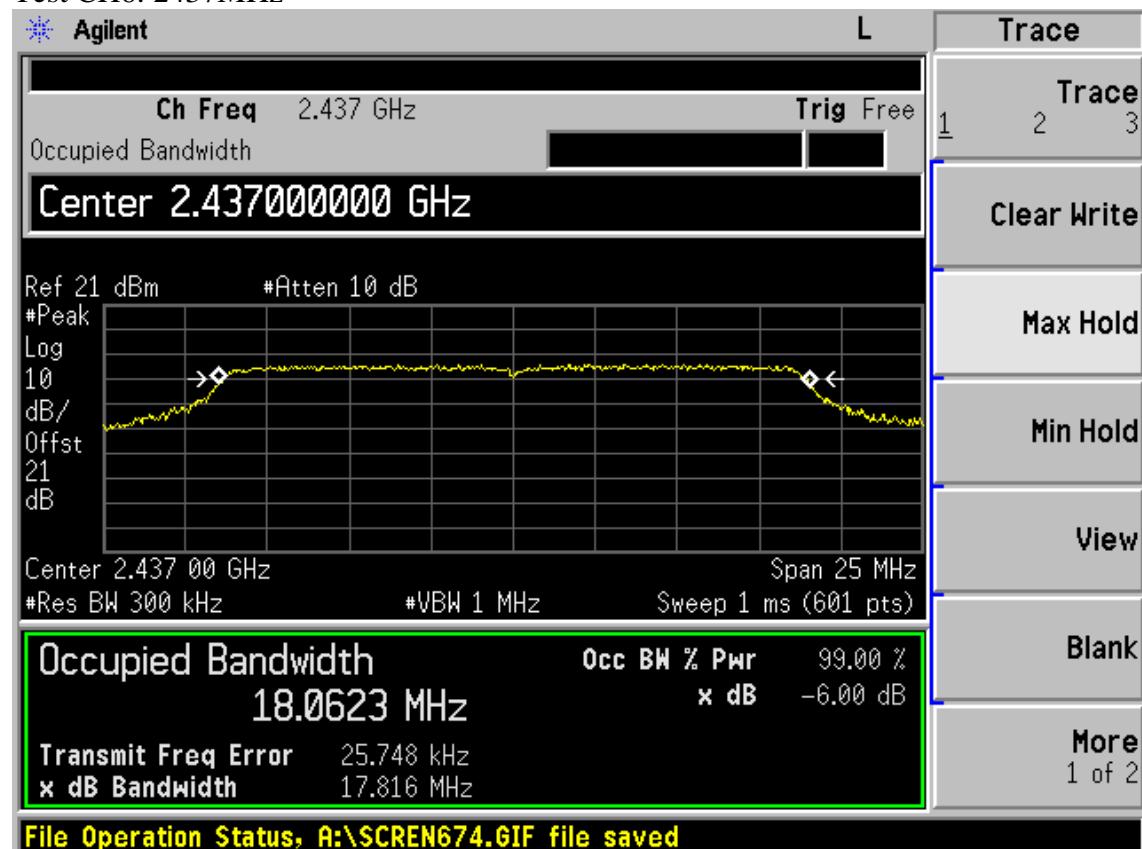


Test Mode: IEEE 802.11n HT20 TX

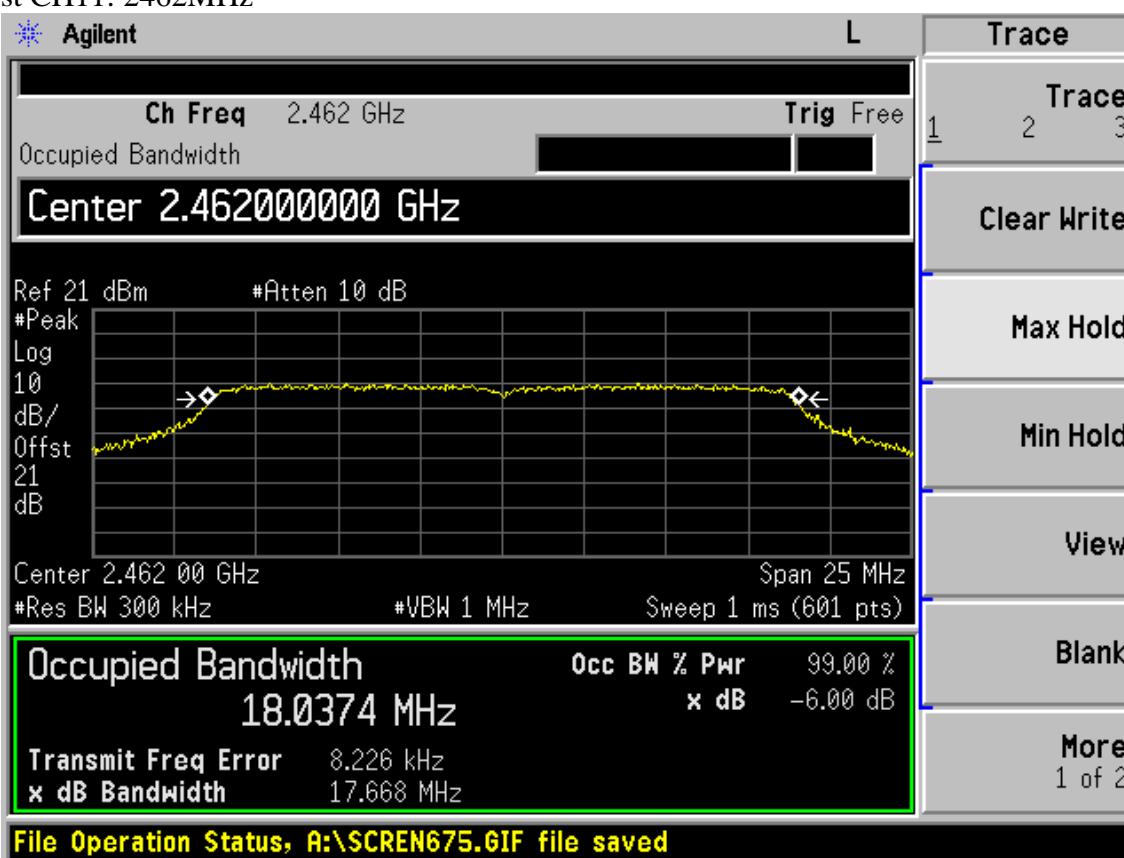
Test CH1: 2412MHz



Test CH6: 2437MHz

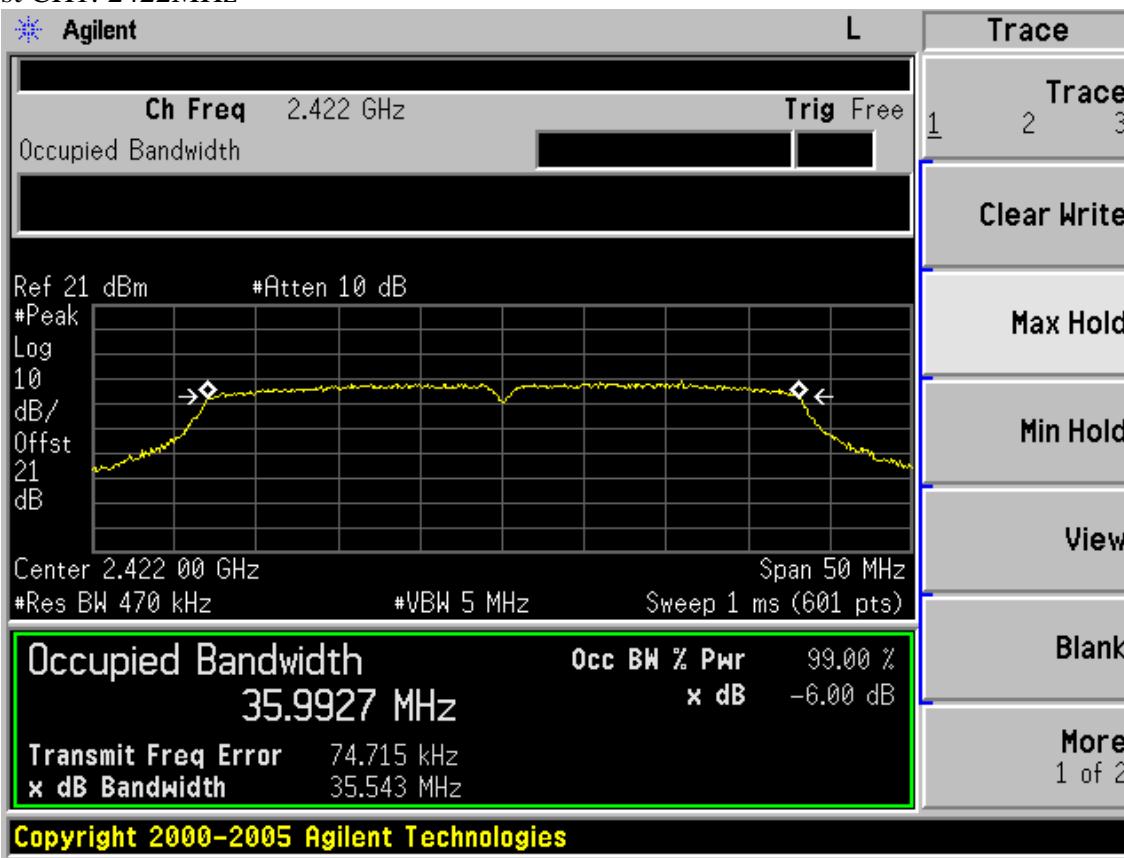


Test CH11: 2462MHz



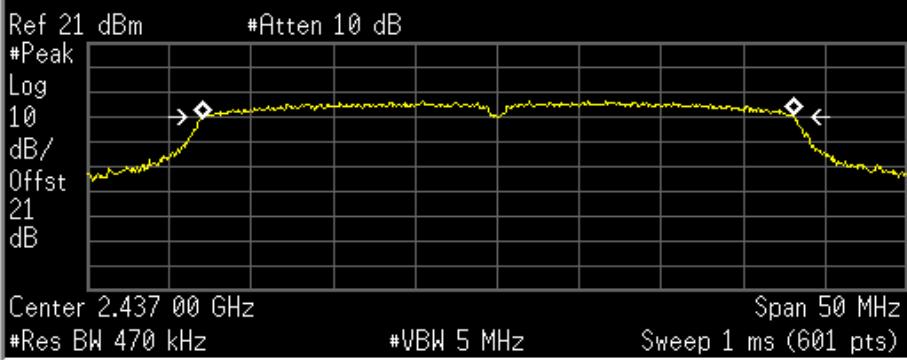
Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH4: 2437MHz

Agilent



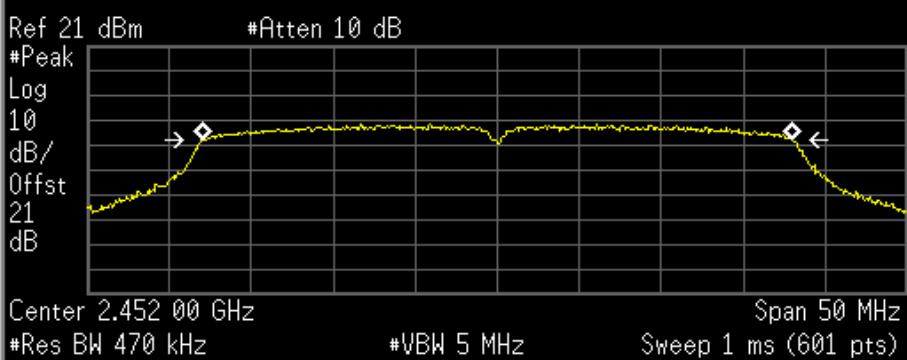
Occupied Bandwidth 35.9943 MHz  
Transmit Freq Error 53.549 kHz  
x dB Bandwidth 35.945 MHz

- L Trace
- 1 Trace 2 3
- Clear Write
- Max Hold
- Min Hold
- View
- Blank
- More 1 of 2

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Test CH7: 2452MHz

Agilent



Occupied Bandwidth 36.0021 MHz  
Transmit Freq Error 16.699 kHz  
x dB Bandwidth 36.095 MHz

- L Trace
- 1 Trace 2 3
- Clear Write
- Max Hold
- Min Hold
- View
- Blank
- More 1 of 2

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## 8. OUTPUT POWER TEST

### 8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.31, 12	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year
5.	Power Meter	Anritsu	ML2487A	6K00002472	May.08, 12	1 Year
6.	Power Sensor	Anritsu	MA2491A	033005	May.08, 12	1 Year

### 8.2. Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

### 8.3. Test Procedure

1, Connected the EUT's antenna port to measure device by 26dB attenuator.

2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 26dB bandwidth of signal to measure out each test modes' PK output power.

3, For IEEE802.11n HT40 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So Bandwidth correction method according to ANSI C63.10 clause 6.10.2.1 part (c) was used:

- 1) Set the RBW=3MHz and VBW =8MHz
- 2) Turn averaging off
- 3) Set sweep to automatic
- 4) Set the span just large enough to capture the emission
- 5) Use a peak detector on max hold
- 6) Record the measured power
- 7) Calculate Output power of EUT use the formula:

Peak output power =measured power+ 10log[(26dB bandwidth of emission)/(analyzer RBW)]

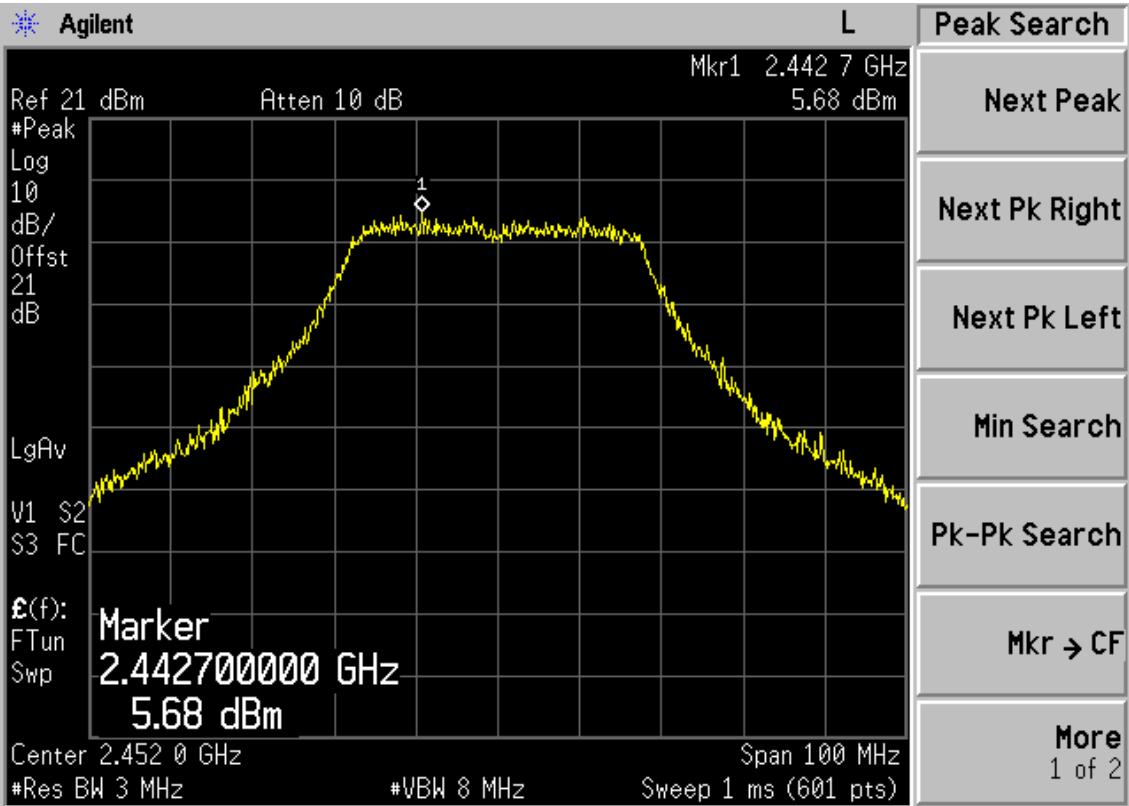
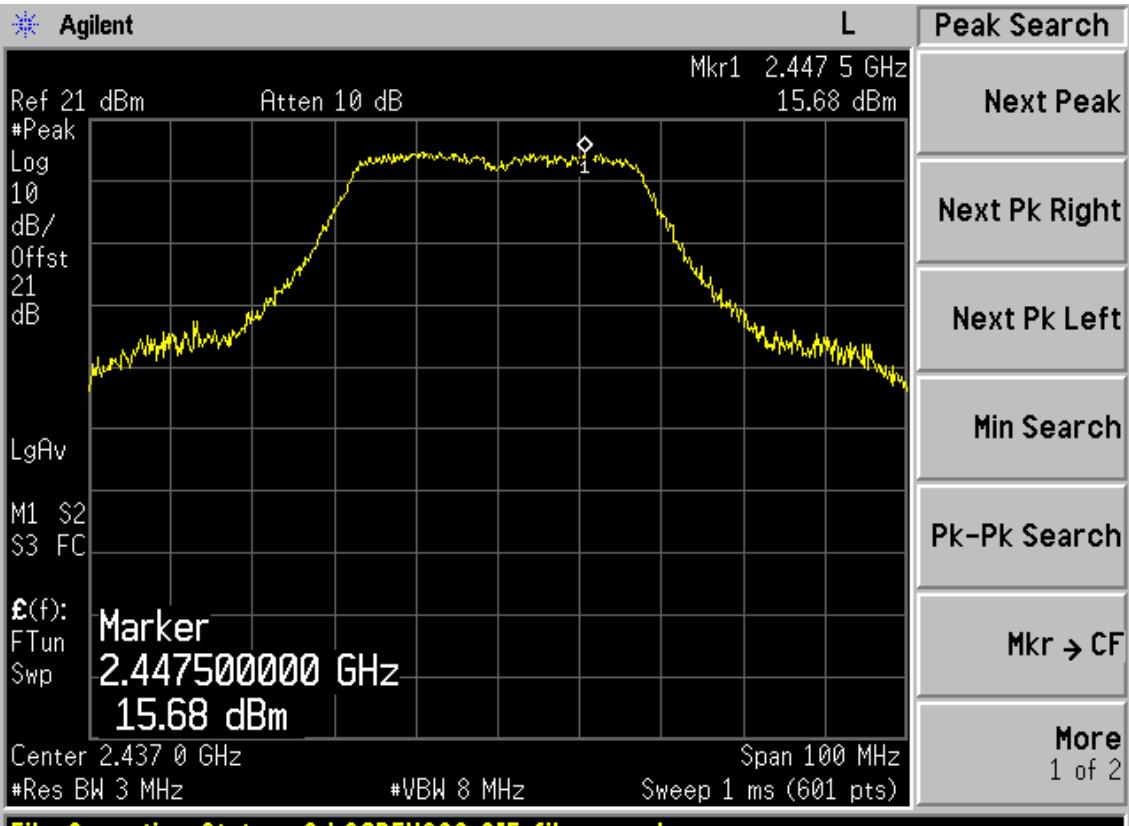
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

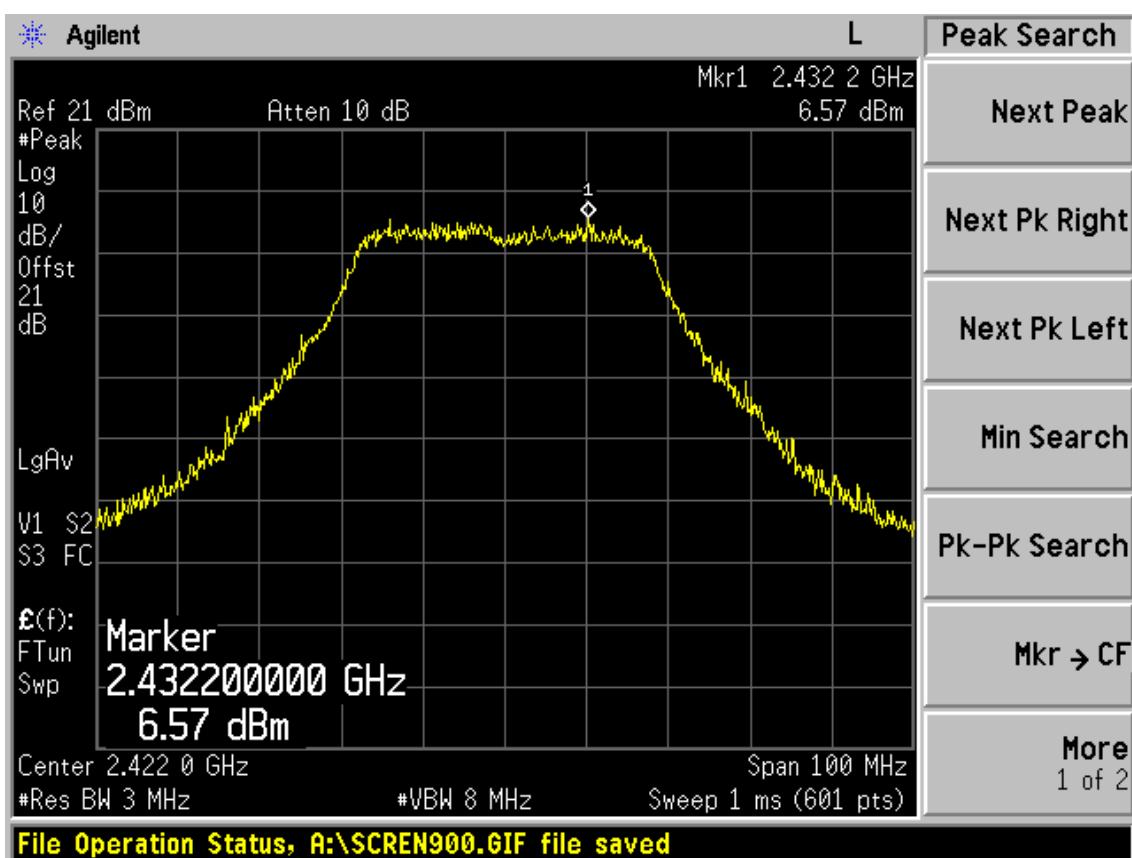
## 8.4. Test Results

EUT: Wireless Lite-N USB Module			
M/N: PW-MN421			
Test date: 2013-03-28	Pressure: 101.2±1.0 kpa		Humidity: 45.8±3.0%
Tested by: Leo-Li	Test site: RF Site		Temperature : 22.8±0.6 °C
Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH (MHz)	Peak output Power ( dBm )	Limit (dBm)
11b	CH1	20.54	30
	CH6	22.42	30
	CH11	24.74	30
11g	CH1	21.84	30
	CH6	27.25	30
	CH11	22.25	30
11n HT20	CH1	20.79	30
	CH6	27.14	30
	CH11	21.04	30

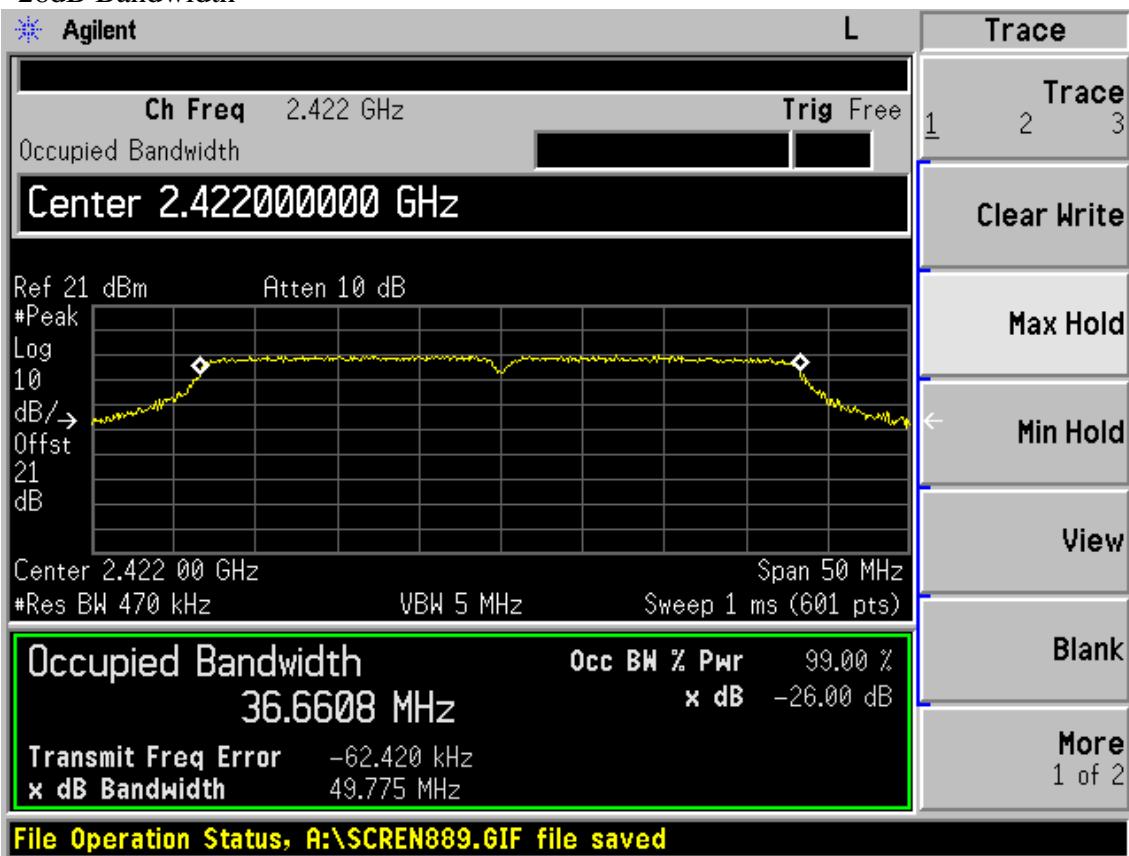
Test Mode	CH	Result		Limit
		Measured power(dBm)/3MHz	PK Output power (dBm)	
11n HT40	CH1	6.57	18.78	30
	CH4	15.68	27.89	30
	CH7	5.68	17.89	30
26dB Bandwidth for 11n HT40:49.935MHz				
BW correction factor = $10\log[(49.935\text{MHz})/(3\text{MHz})] = 12.21\text{dB}$				
Conclusion: PASS				

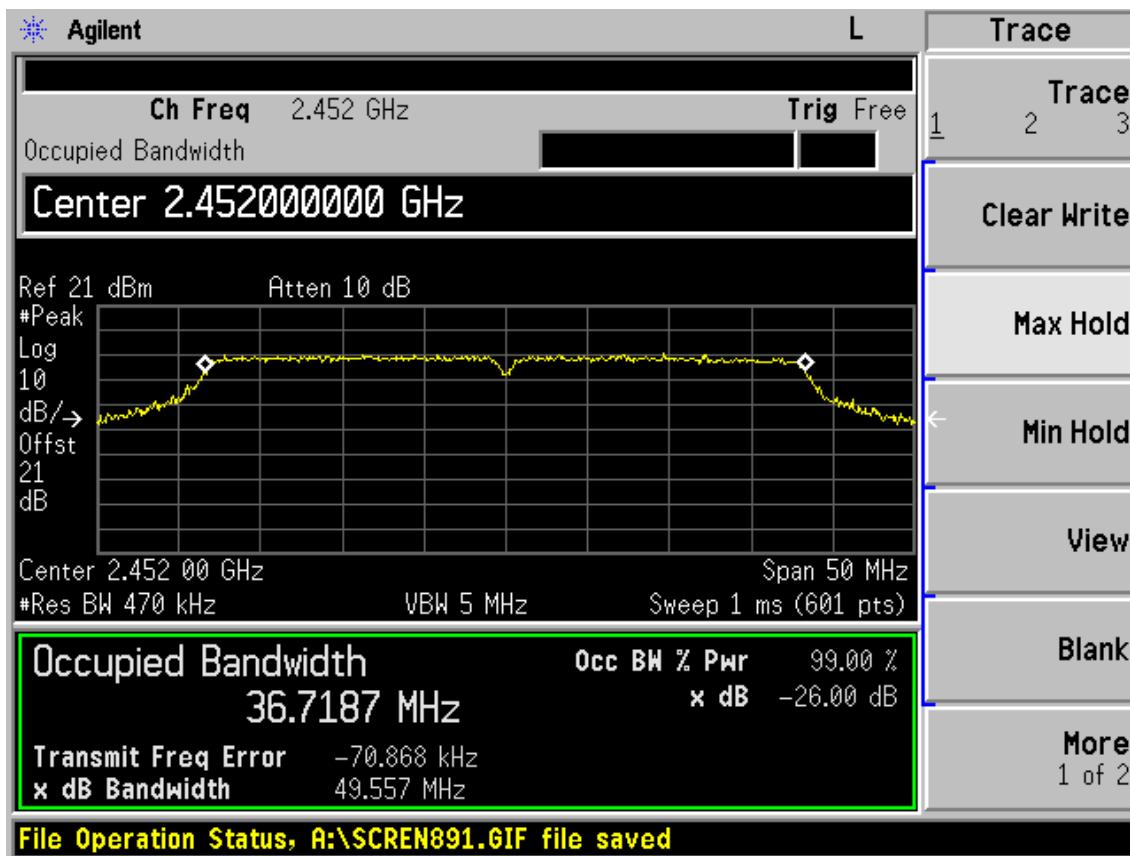
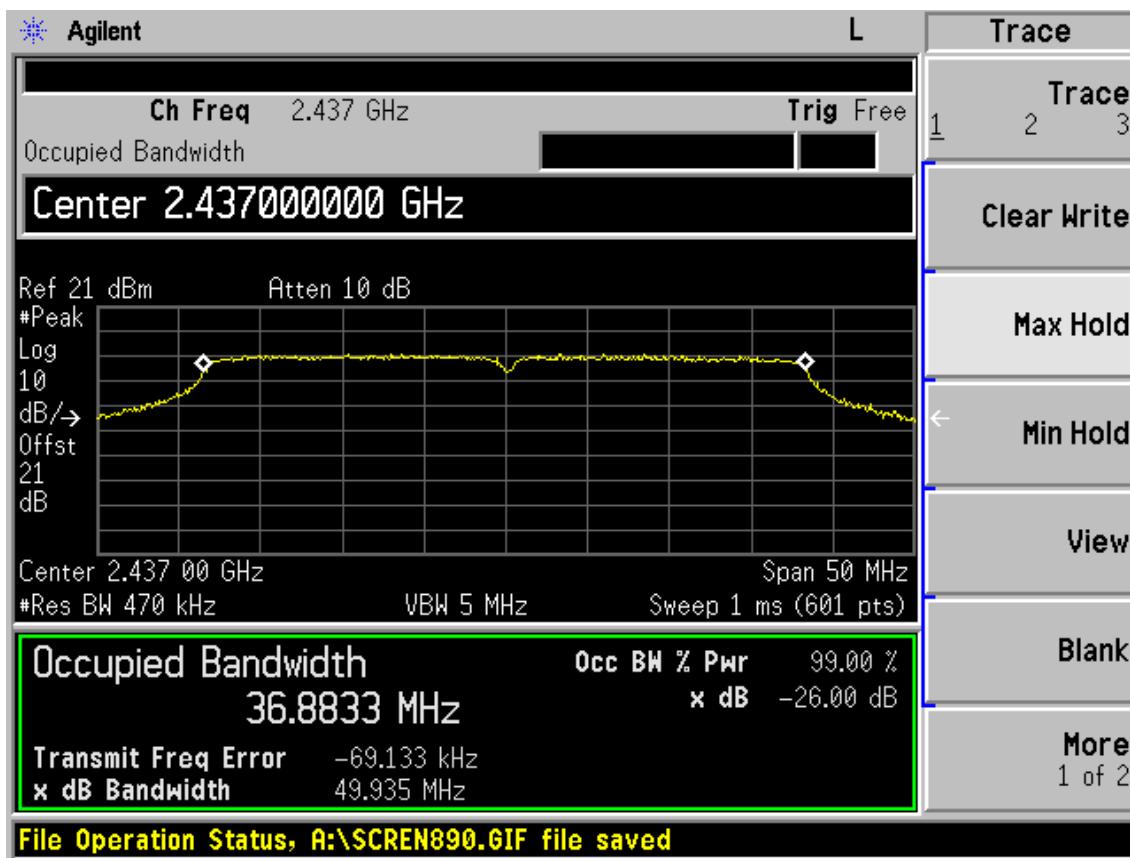
Test Mode: IEEE 802.11n HT40


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**File Operation Status, A:\SCREN899.GIF file saved**



26dB Bandwidth





## 9. POWER SPECTRAL DENSITY TEST

### 9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.31, 12	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year

### 9.2. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

### 9.3. Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
2. Set the test frequency as center frequency, Set RBW=3KHz, VBW=10KHz, Span large enough capture the entire frequency, Read out maximum peak level frequency
3. Set the frequency read from produce 2 as center frequency, then set the span=300KHz, Sweep time=Span/RBW, Then Max hold, read out each mode and each chain's Power density

Note: The cable loss and attenuator loss were offset into measure device as an amplitude

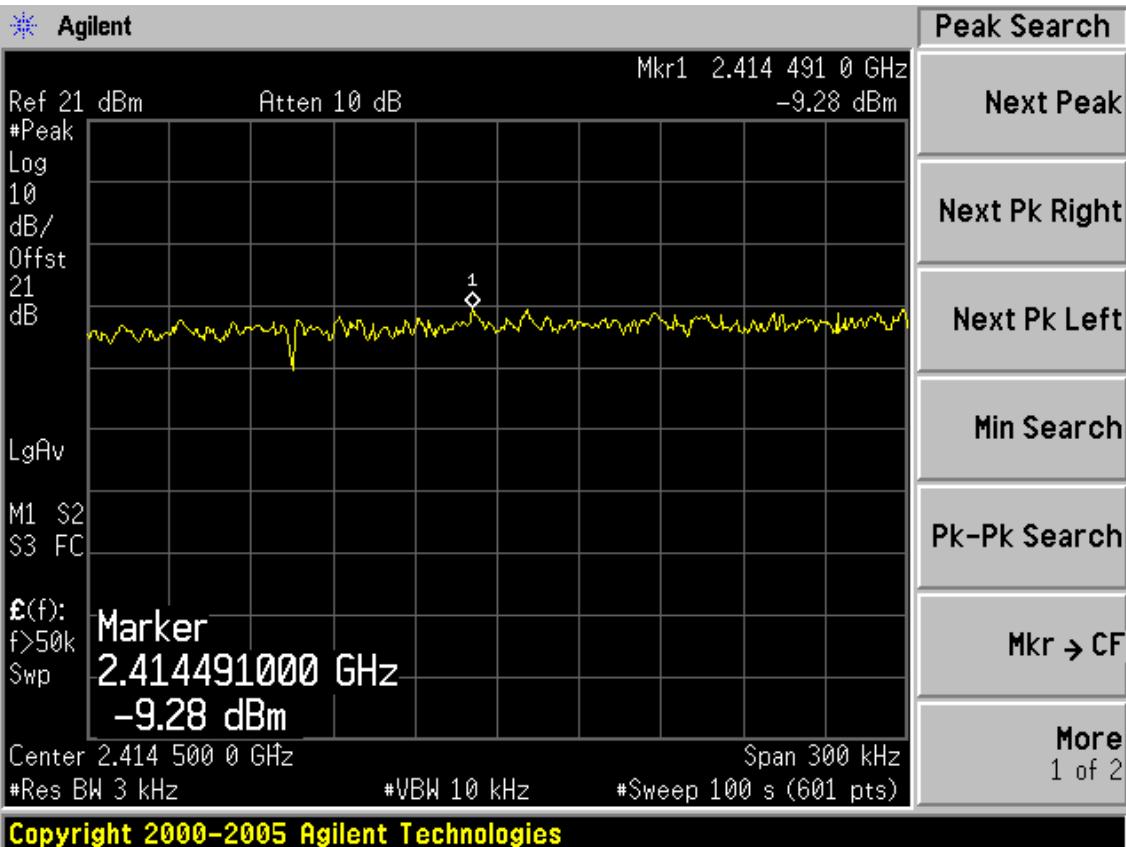
#### 9.4. Test Results

EUT: Wireless Lite-N USB Module		
M/N: PW-MN421		
Test date: 2013-03-28	Pressure: 101.2±1.0 kpa	Humidity: 45.8±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature : 22.8±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH	Power density ( dBm/3KHz )	Limit (dBm/3KHz)
11b	CH1	-9.28	8
	CH6	-9.41	8
	CH11	-9.44	8
11g	CH1	-13.53	8
	CH6	-10.26	8
	CH11	-15.70	8
11n HT20	CH1	-17.79	8
	CH6	-10.66	8
	CH11	-17.16	8
11n HT40	CH1	-21.57	8
	CH4	-13.40	8
	CH7	-21.71	8
Conclusion : PASS			

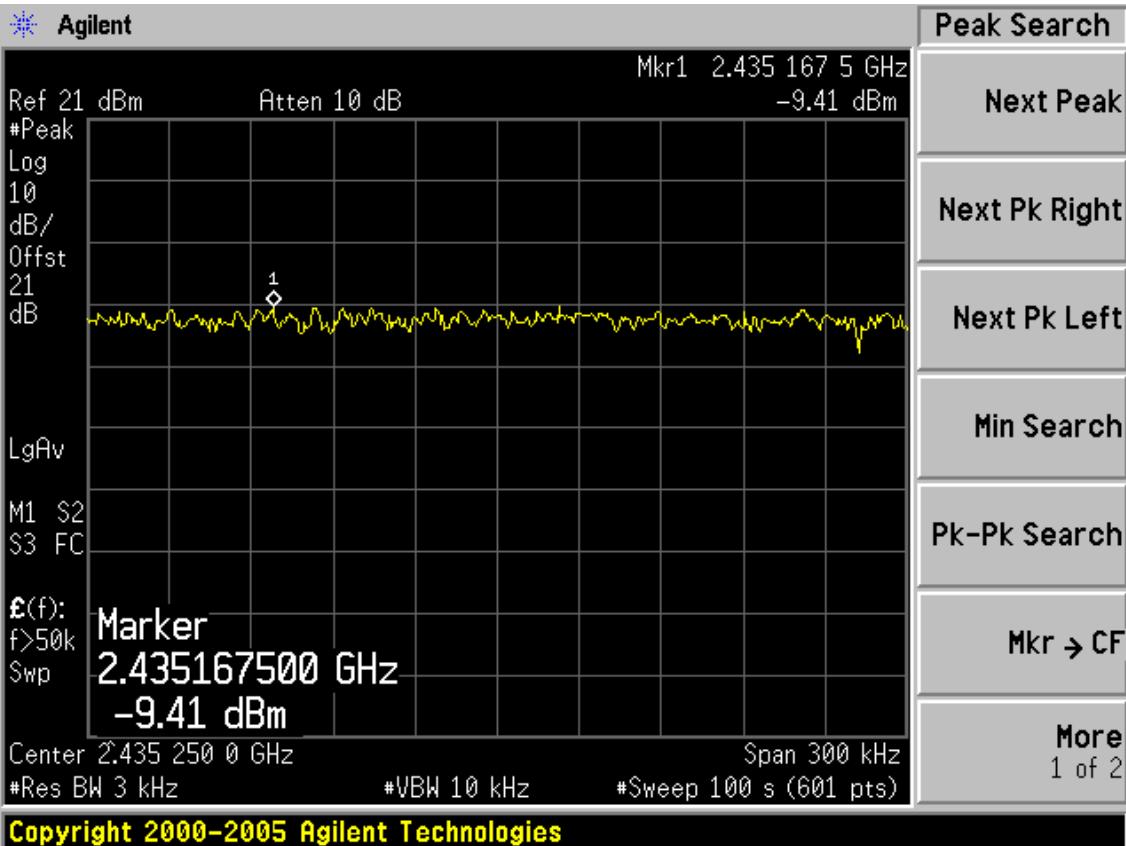
Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



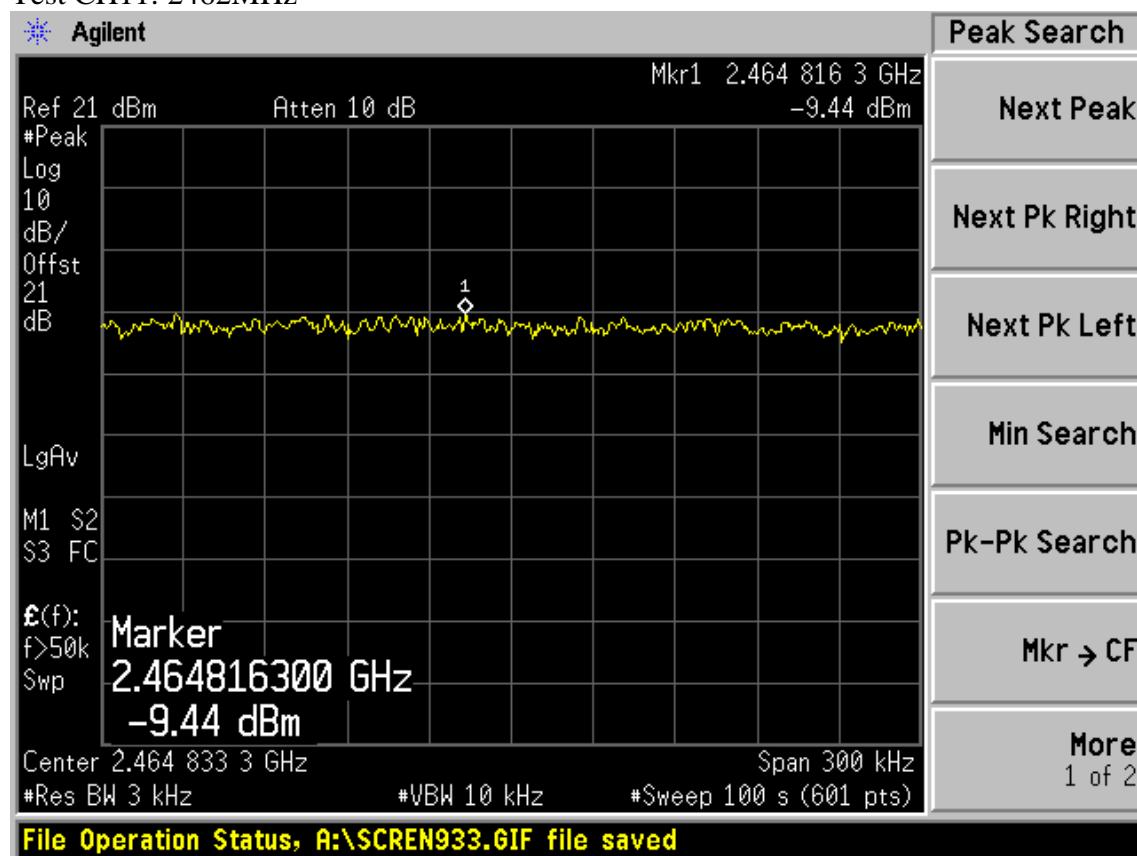
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Test CH6: 2437MHz



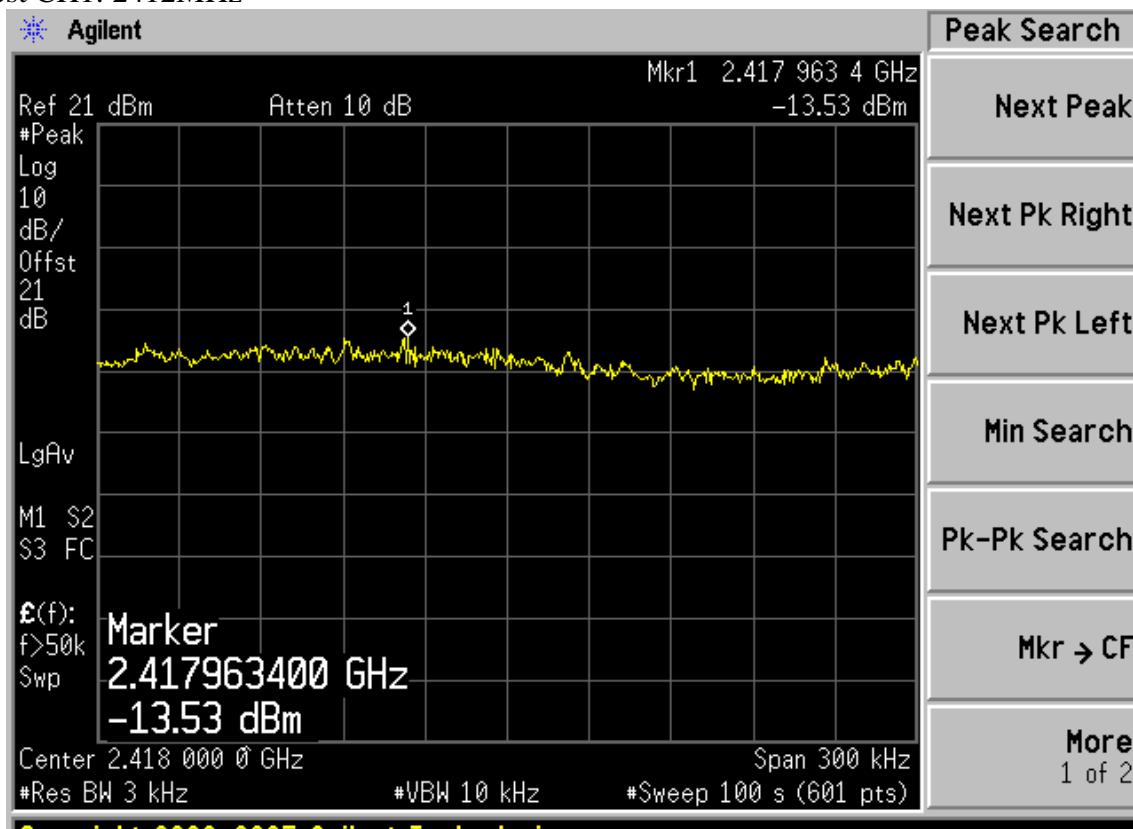
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Test CH11: 2462MHz



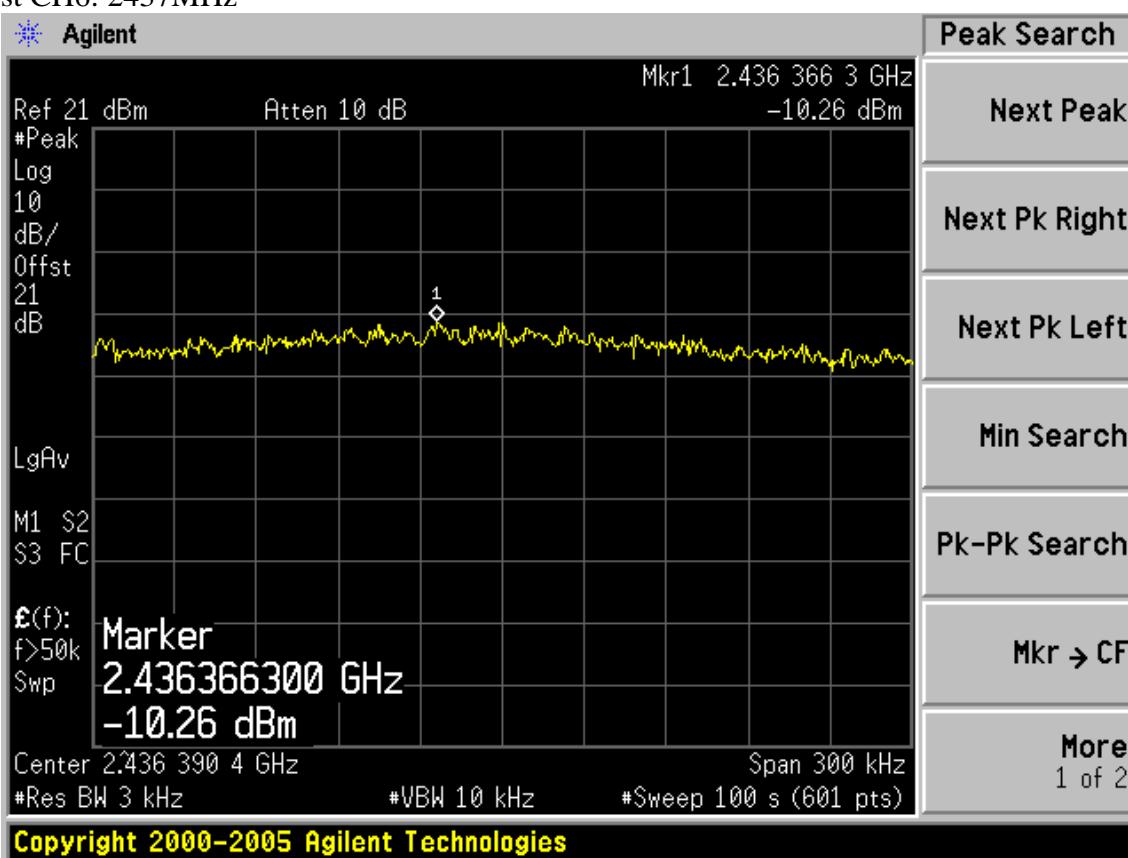
Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz

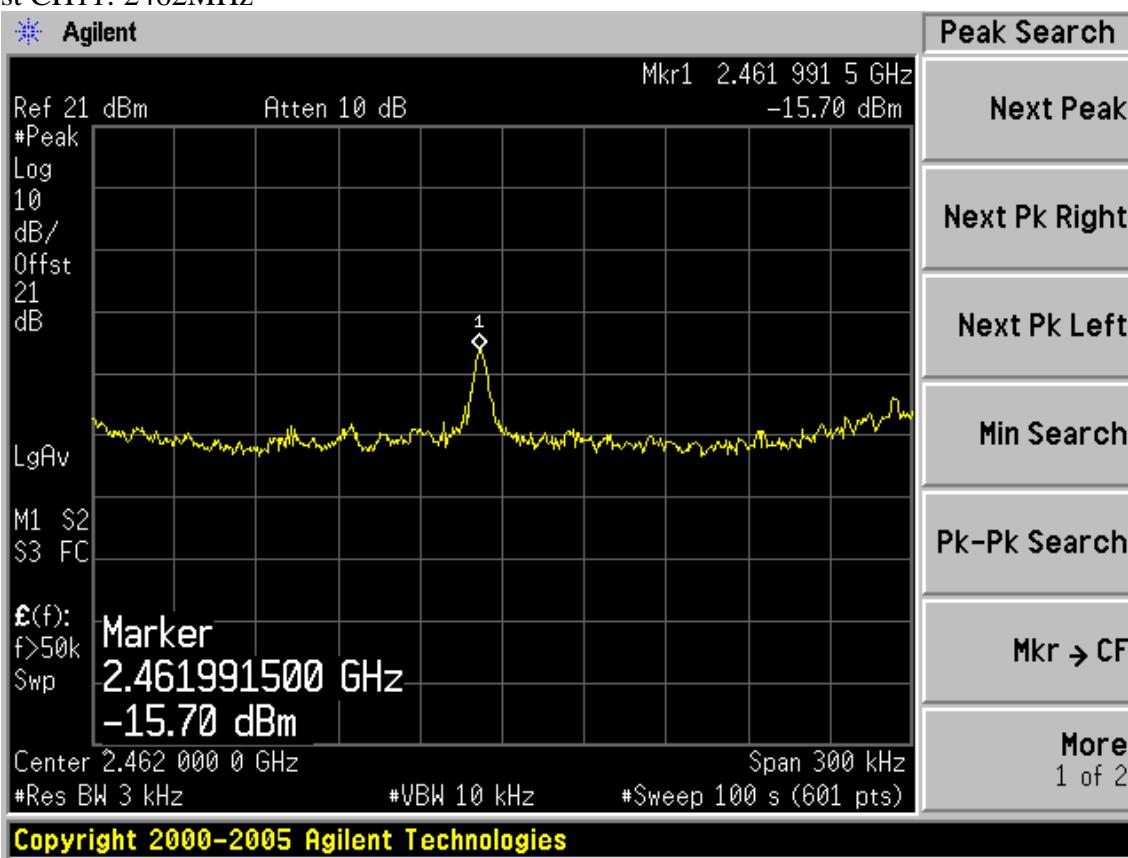


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## Test CH6: 2437MHz

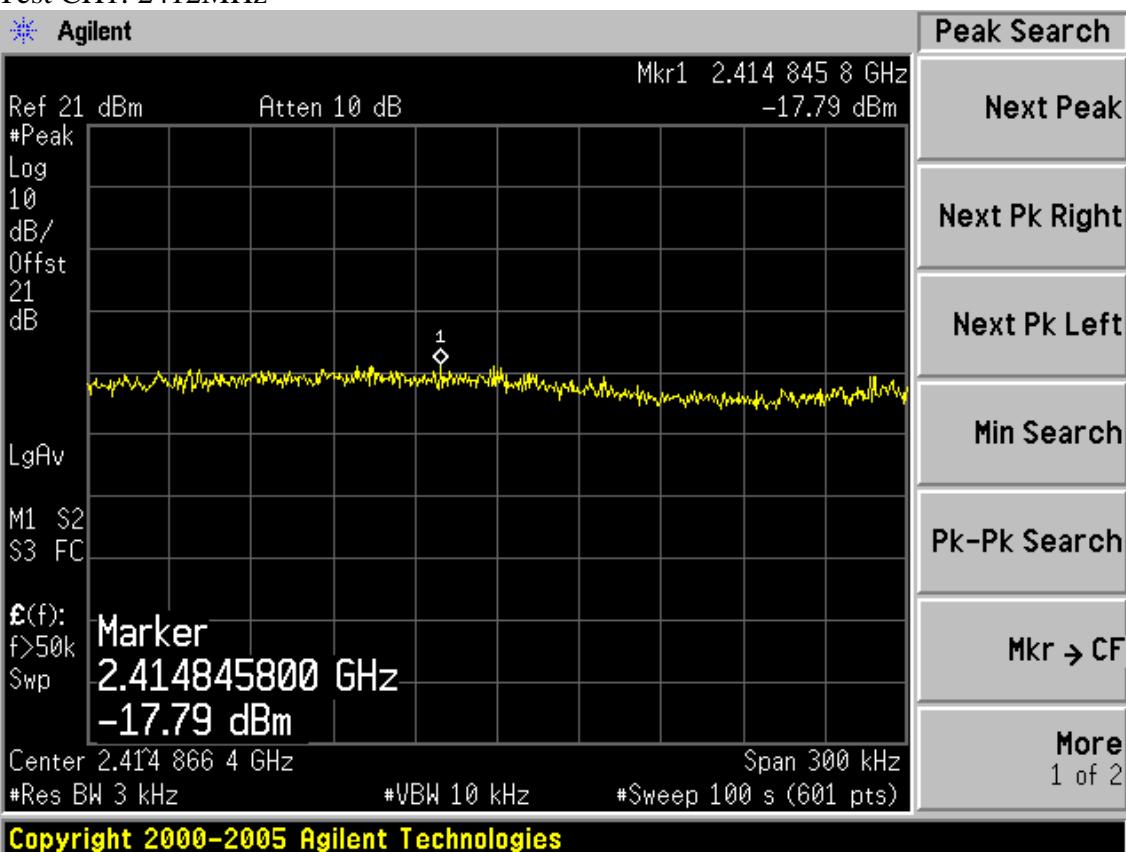


## Test CH11: 2462MHz

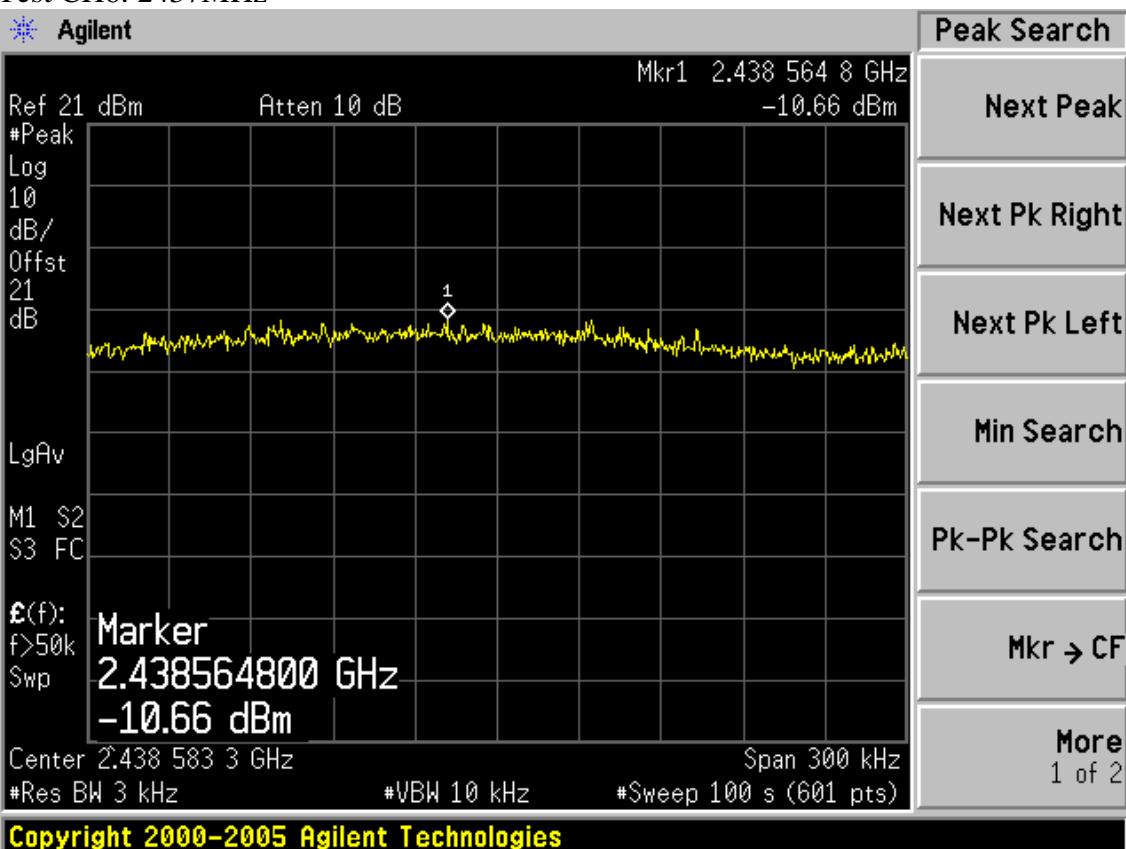


Test Mode: IEEE 802.11n HT20 TX

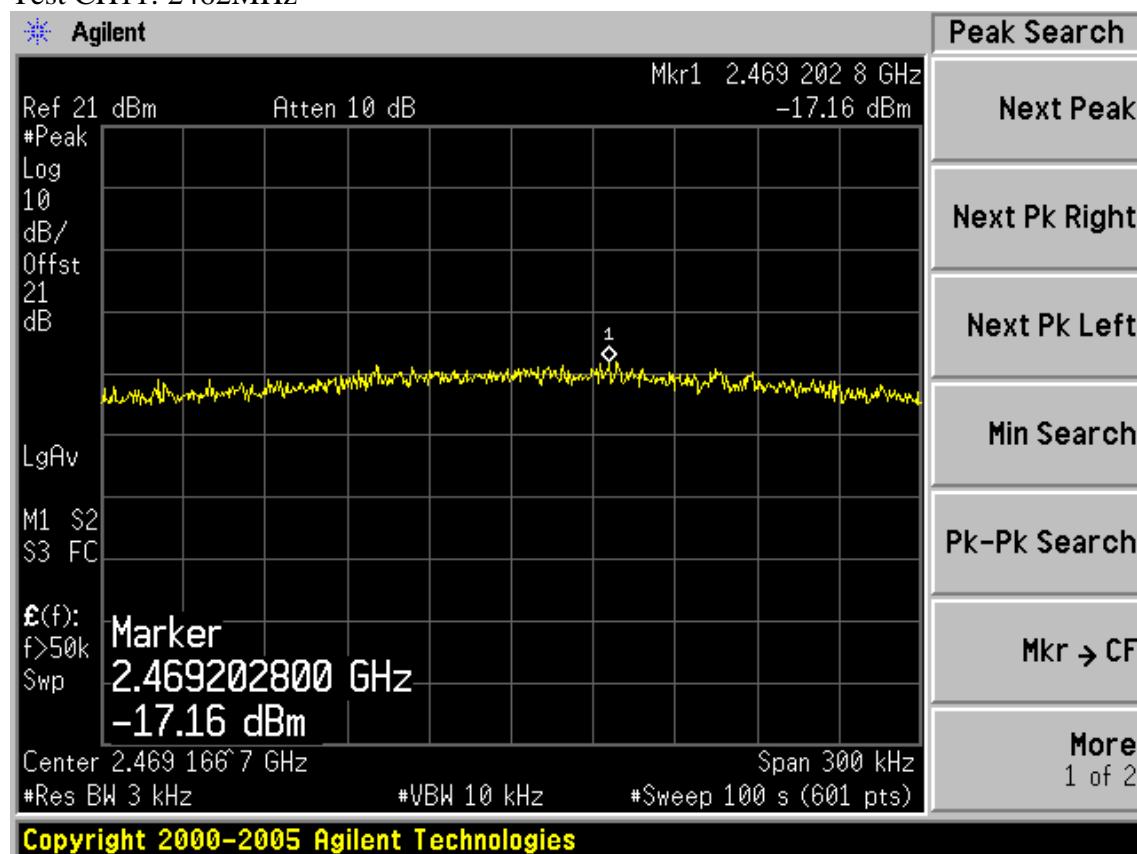
Test CH1: 2412MHz



Test CH6: 2437MHz

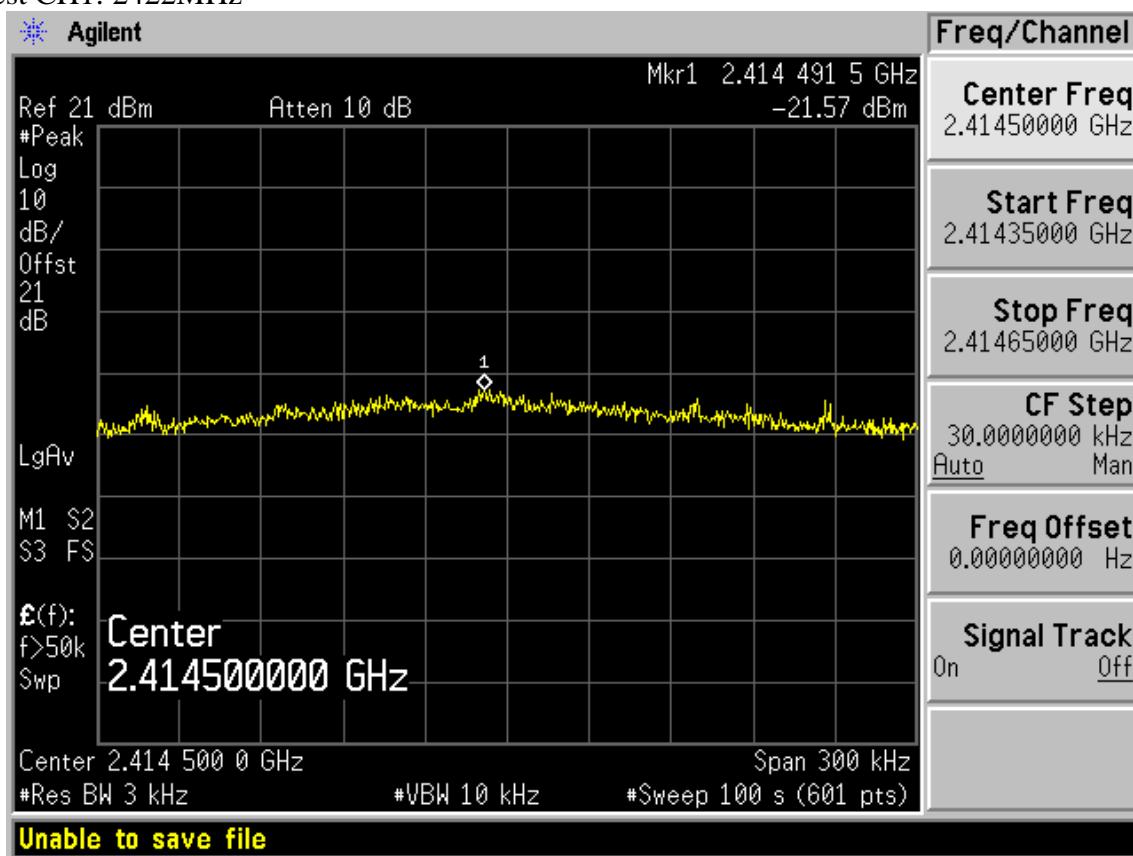


Test CH11: 2462MHz

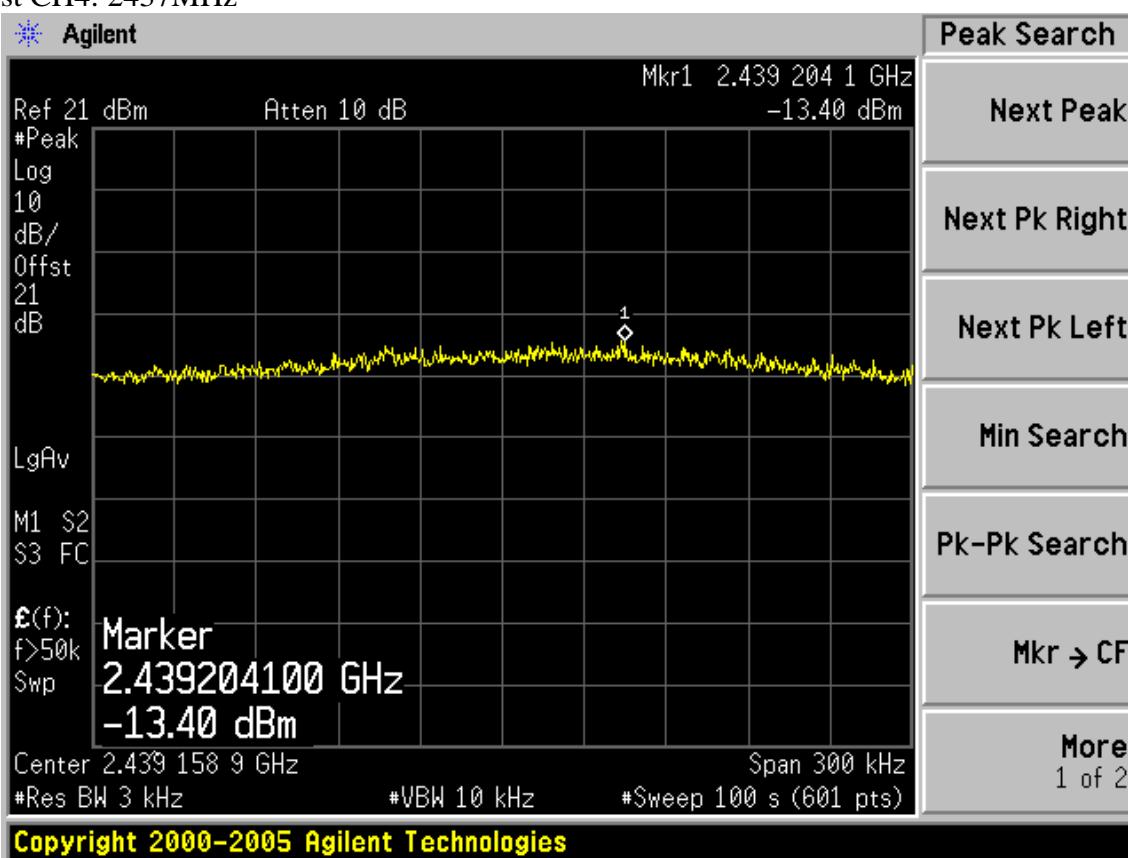


Test Mode: IEEE 802.11n HT40 TX

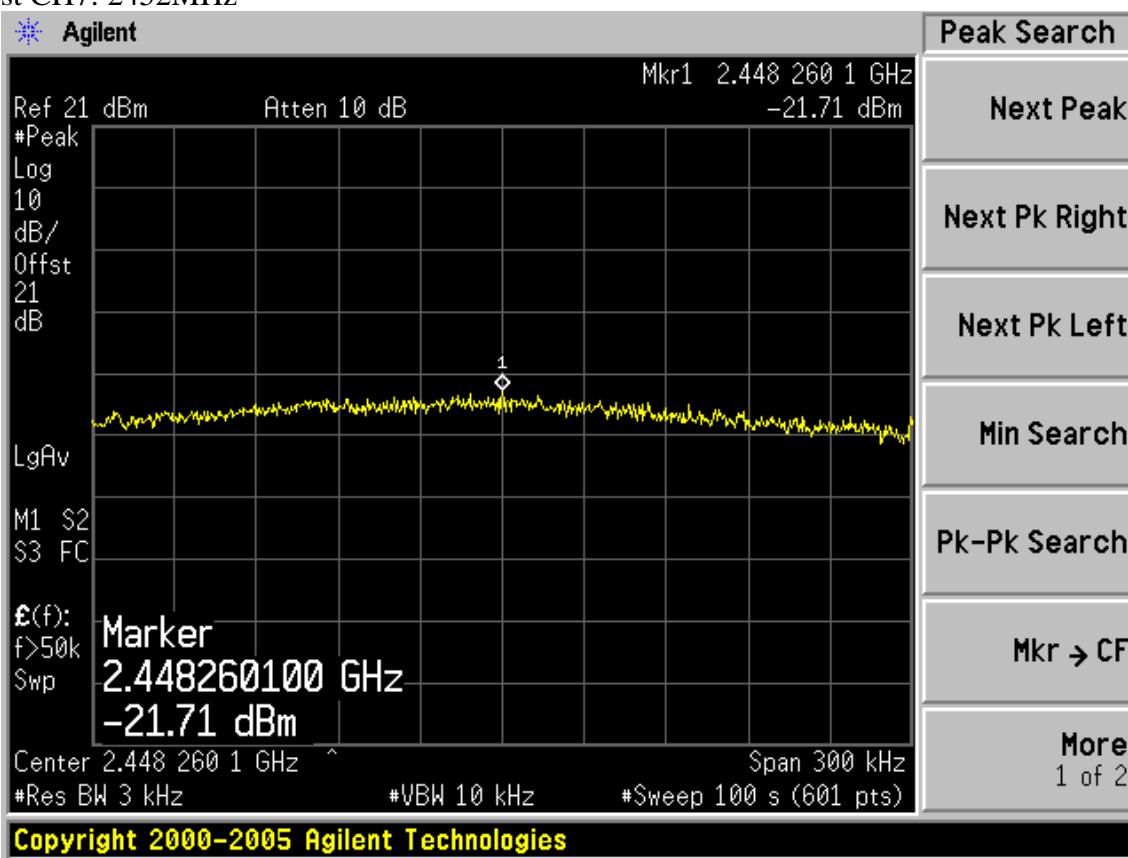
Test CH1: 2422MHz



## Test CH4: 2437MHz



## Test CH7: 2452MHz



## 9.5. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

## 9.6. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are IFA antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 1.46dBi.

## 10.MPE ESTIMATION

### 10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

### 10.2. Estimation Result

EUT: Wireless Lite-N USB Module			
M/N: PW-MN421			
Test date: 2013-03-28	Pressure: 101.4±1.0 kpa	Humidity: 46.4±3.0%	
Tested by: Leo-Li	Test site: RF Site	Temperature : 23.6±0.6 °C	

Cable loss: 1 dB		Attenuator loss: 20 dB					
Test Mode	CH	Frequency ( MHz )	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	20.54	113.24	1.46	1.40	0.0315
	CH6	2437	22.42	174.58	1.46	1.40	0.0486
	CH11	2462	24.74	297.85	1.46	1.40	0.0830
11g	CH1	2412	21.84	152.76	1.46	1.40	0.0426
	CH6	2437	27.25	530.88	1.46	1.40	0.1479
	CH11	2462	22.25	167.88	1.46	1.40	0.0468
11n HT20	CH1	2412	20.79	119.95	1.46	1.40	0.0334
	CH6	2437	27.14	517.61	1.46	1.40	0.1442
	CH11	2462	21.04	127.06	1.46	1.40	0.0354
11n HT40	CH1	2422	18.78	75.51	1.46	1.40	0.0210
	CH4	2437	27.89	615.18	1.46	1.40	0.1714
	CH7	2452	17.89	61.52	1.46	1.40	0.0171

**Note:The Estimate distance is 20cm.**



## 11. DEVIATION TO TEST SPECIFICATIONS

[ NONE]