

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Panasonic Corporation

Wireless Module

Model Number: ET-WML100U

FCC ID: 2AEWQETWML100U

Prepared for : Panasonic Corporation
2-15 Matsuba-cho, Kadoma City, Osaka, Japan

Prepared By : EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City,
GuangDong, China.

Tel: 86-769-83081888-808

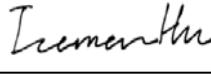
Report Number: ESTE-R1503008
Date of Test : February 27~March 11 2015
Date of Report : March 17, 2015

TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
TEST REPORT VERIFICATION.....	3
1. GENERAL INFORMATION.....	5
1.1. Description of Device (EUT)	5
2. SUMMARY OF TEST	6
2.1. Summary of test result.....	6
2.2. Test Facilities	7
2.3. Assistant equipment used for test.....	8
2.4. Block Diagram	8
2.5. Test mode	9
2.6. Channel List for wifi	9
2.7. Test Equipment.....	10
3 POWER LINE CONDUCTED EMISSION TEST.....	11
3.1. Limit.....	11
3.3 Test Procedure.....	11
3.4. Test Result.....	11
3.5. Test data	12
4 RADIATED EMISSION TEST.....	14
4.1 Limit.....	14
4.2. Test Procedure.....	15
4.3 Test Result.....	16
4.4 Test Data	17
5 BAND EDGE COMPLIANCE TEST	89
5.1 Limit.....	89
5.2 Test Procedure.....	89
5.3 Test Result.....	89
5.4 Test Data	90
6 6dB & 20dB Bandwidth Test.....	106
6.1 Limit	106
6.2 Test Procedure.....	106
6.3 Test Result.....	106
6.4 6dB Test Data.....	107
6.5 20dB Test Data.....	115
7 OUTPUT POWER TEST	123
7.1 Limit	123
7.2 Test Procedure.....	123
7.3 Test Procedure.....	123
7.4 Test Result.....	124
7.5 Test Data	125
8 POWER SPECTRAL DENSITY TEST	133
8.1 Limit	133
8.2 Test Procedure	133
8.3 Test Result.....	134

8.4	Test Data	135
9	ANTENNA REQUIREMENTS	143
9.1	Limit	143
9.2	Result	143
10	TEST SETUP PHOTO	144
11	PHOTOS OF EUT	147

Test Report Verification

Applicant:	Panasonic Corporation	
Address:	2-15 Matsuba-cho, Kadoma City, Osaka, Japan	
Manufacturer	Panasonic Corporation	
Address:	2-15 Matsuba-cho, Kadoma City, Osaka, Japan	
E.U.T:	Wireless Module	
Model Number:	ET-WML100U	
Power Supply:	DC 5V From Projector Input AC 120V/60Hz	
Test Voltage:	DC 5V From Projector Input AC 120V/60Hz	
Trade Name:	Panasonic	Serial No.: -----
Date of Receipt:	January 12, 2015	Date of Test: February 27~March 11 2015
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2014 ANSI C63.10:2013	
Test Result:	<p>The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the ETSI EN FCC Rules and Regulations Part 15 Subpart C requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p>	
Date: March 17, 2015		
Prepared by:	Tested by:	Approved by:
		
Ada / Assistant	Tony.Tang/ Engineer	IcemanHu / Manager
Other Aspects:		
None.		
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested		
<i>This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.</i>		

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	:	Wireless Module
Model Number	:	ET-WML100U
Modulation	:	IEEE 802.11b mode: DSSS(CCK,QPSK, BPSK) IEEE 802.11g mode: OFDM (BPSK/QPSK/16QAM/64QAM) IEEE 802.11n HT20 MHz mode: OFDM (BPSK/QPSK/16QAM/64QAM) IEEE 802.11n HT40 MHz mode: OFDM (BPSK/QPSK/16QAM/64QAM)
Operation Frequency	:	IEEE 802.11b/g: 2412 ~ 2462 MHz IEEE 802.11n HT20 : 2412 ~ 2462 MHz IEEE 802.11n HT40 : 2422 ~ 2452 MHz
Number of channel	:	IEEE 802.11b: 11 Channels IEEE 802.11g: 11 Channels IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels
Antenna and Gain	:	PCB Antenna with 2dBi gain (Max)

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10:2013	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10:2013 KDB 558074	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Antenna requirement	FCC Part 15: 15.203	PASS
Note: 558074 D01 DTS Meas Guidance v03r02		

2.2. Test Facilities

EMC Lab : Certificated by CNAL, CHINA
Registration No.: L5288
Date of registration: November 13, 2014

Certificated by FCC, USA
Registration No.: 989591
Date of registration: November 20, 2013

Certificated by Industry Canada
Registration No.: 46405-9405
Test Side Number: 9405A-1
Date of registration: January 03, 2013

Certificated by VCCI, Japan
Registration No.: R-3663 & C-4103
Date of registration: July 25, 2011

Certificated by TUV Rheinland, Germany
Registration No.: UA 50195514 0001
Date of registration: January 07, 2011

Certificated by TUV/PS, Shenzhen
Registration No.: SCN1017
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO
Registration No.: 2011-RTL-L1-18
Date of registration: April 28, 2011

Certificated by Siemic, Inc.
Registration No.: SLCN021
Date of registration: November 8, 2011

Certificated by Nemko, Hong Kong
Registration No.: 175193
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

Site Location : San Tun Management Zone, Houjie Town, Dongguan, Guangdong, China

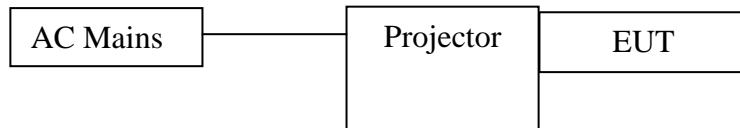
2.3. Assistant equipment used for test

2.3.1. Projector

Manufacturer : Panasonic
M/N : PT-X3833STC

2.4. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground. EUT was be set into Wifi test mode by software before test.



(EUT: Wireless Module)

2.5. Test mode

A special test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

Test mode	Lower channel	Center channel	Upper channel
IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20 Transmitting	2412MHz	2437MHz	2462MHz
IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20 Receiving	2412MHz	2437MHz	2462MHz
IEEE 802.11n HT40 Transmitting	2422MHz	2437MHz	2452MHz
IEEE 802.11n HT40 Receiving	2422MHz	2437MHz	2452MHz

2.6. Channel List for wifi

IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	6	2437	11	2462
2	2417	7	2442		
3	2422	8	2447		
4	2427	9	2452		
5	2432	10	2457		
IEEE 802.11n HT40					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2422	4	2437	7	2452
2	2427	5	2442		
3	2432	6	2447		

2.7. Test Equipment

2.7.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June,28,14	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	101260	June,28,14	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June,28,14	1 Year

2.7.2. For radiated emission test(30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June,28,14	1 Year
Spectrum Analyzer	Agilent	E4411B	MY5014069 7	June,28,14	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June,28,14	1 Year
Signal Amplifier	Agilent	310N	187037	June,28,14	1 Year

2.7.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	BBHA9120D1 002	June,28,14	1 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	June,28,14	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June,28,14	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	June,28,14	1 Year

3 POWER LINE CONDUCTED EMISSION TEST

3.1. Limit

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.

3.3 Test Procedure

The EUT was placed on a non-metallic table, 10cm above the ground plane. The EUT Power 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: 2013 on Conducted Emission Test.

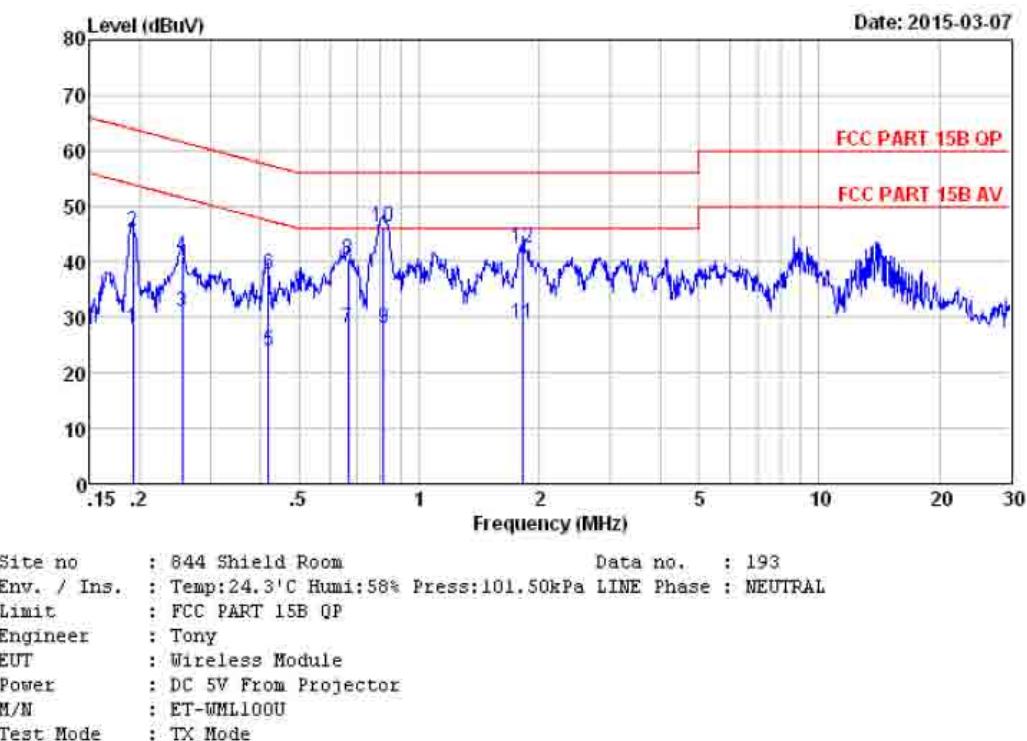
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

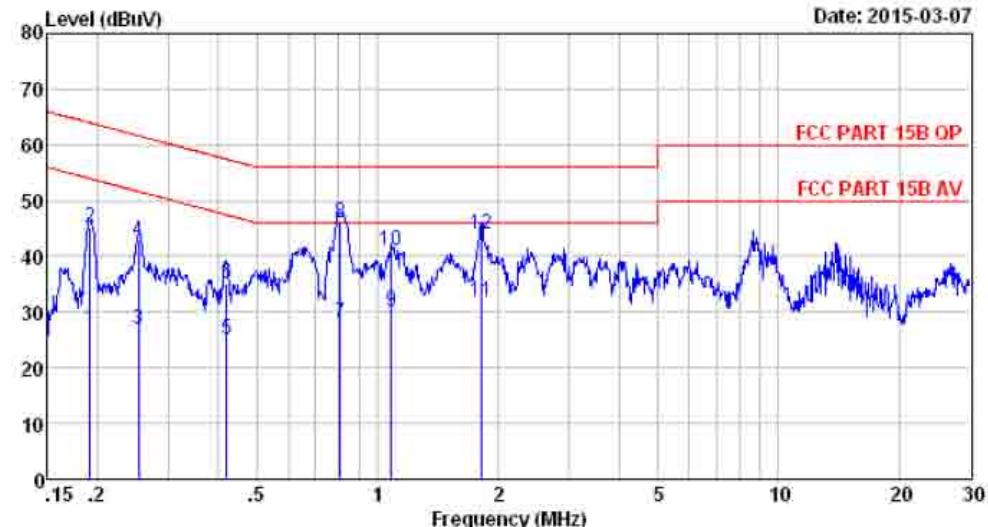
3.4. Test Result

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

3.5. Test data



	Lisn	Cable	Emission				
Freq. (MHz)	Factor (db)	Loss (db)	Reading dBuV	Level dBuv/m	Limits dBuv/m	Margin (dB)	Remark
1	0.19	9.58	9.80	8.62	28.00	53.93	Average
2	0.19	9.58	9.80	26.06	45.44	63.93	QP
3	0.25	9.60	9.82	11.58	31.00	51.60	Average
4	0.25	9.60	9.82	21.60	41.02	61.60	QP
5	0.42	9.59	9.81	4.60	24.00	47.46	Average
6	0.42	9.59	9.81	18.52	37.92	57.46	QP
7	0.66	9.62	9.81	8.57	28.00	46.00	Average
8	0.66	9.62	9.81	20.94	40.37	56.00	QP
9	0.81	9.62	9.81	8.57	28.00	46.00	Average
10	0.81	9.62	9.81	26.84	46.27	56.00	QP
11	1.82	9.62	9.82	9.56	29.00	46.00	Average
12	1.82	9.62	9.82	23.17	42.61	56.00	QP



Site no : 844 Shield Room Data no. : 195
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : TX Mode

Freq. (MHz)	Lisn Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	0.19	9.61	9.80	7.59	27.00	53.98	Average
2	0.19	9.61	9.80	25.66	45.07	63.98	QP
3	0.25	9.61	9.82	7.57	27.00	51.64	Average
4	0.25	9.61	9.82	23.33	42.76	61.64	QP
5	0.42	9.61	9.81	5.58	25.00	47.46	Average
6	0.42	9.61	9.81	15.77	35.19	57.46	QP
7	0.80	9.61	9.81	8.58	28.00	46.00	Average
8	0.80	9.61	9.81	26.53	45.95	56.00	QP
9	1.08	9.64	9.83	10.53	30.00	46.00	Average
10	1.08	9.64	9.83	21.53	41.00	56.00	QP
11	1.82	9.61	9.82	12.57	32.00	46.00	Average
12	1.82	9.61	9.82	24.49	43.92	56.00	QP

4 RADIATED EMISSION TEST

4.1 Limit

4.1.1 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		µV/m	dB(µV)/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(µV)/m (Peak) 54.0 dB(µV)/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.

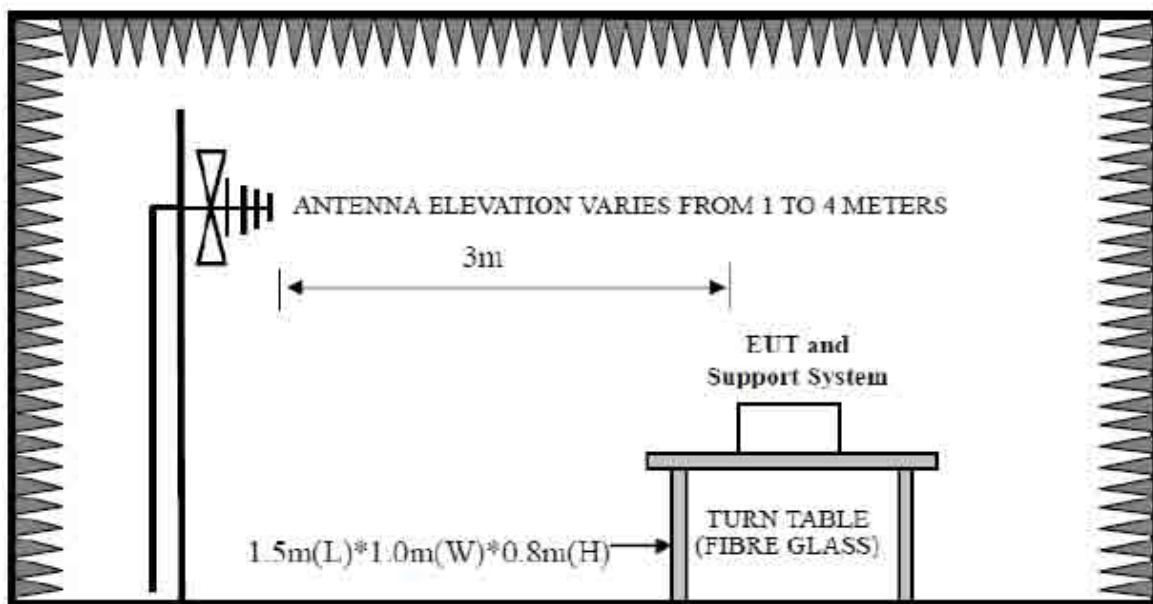
4.1.2 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 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	(²)

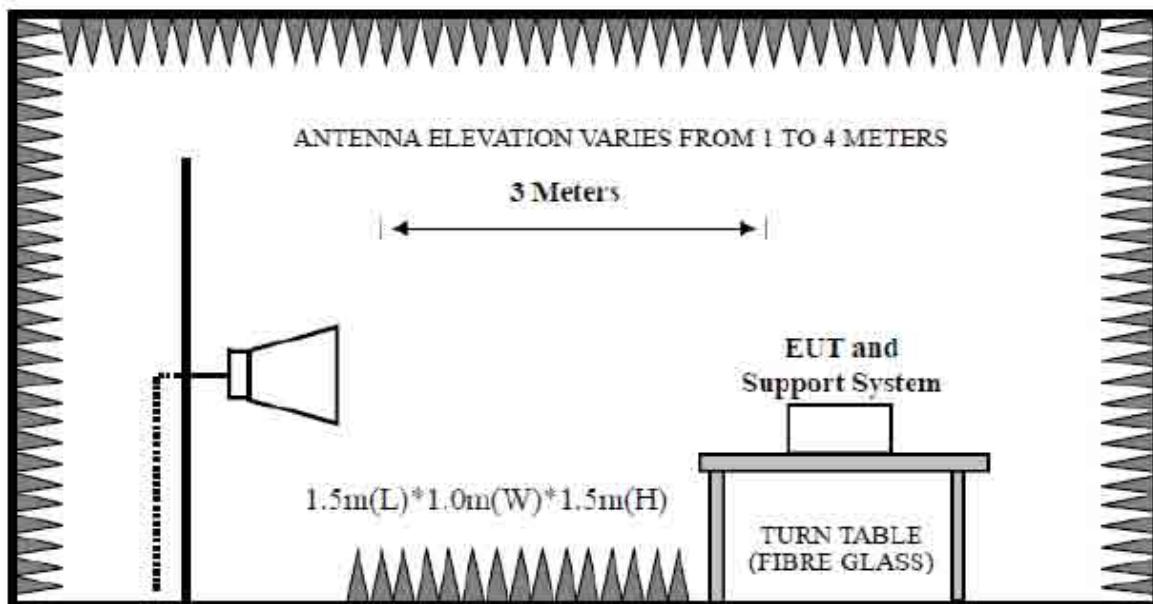
All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.2. Block Diagram of Test setup

30~1000MHz



Above 1GHz



Note: We test X-axis, Y-axis, and Z-axis,. The X-axis is the worst mode, so only the worst mode test data was included in the report.

4.3. Test Procedure

EUT and its simulators are placed on a turn table, which is 1.5 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 bandwidth of the EMI test receiver is set at 120kHz for frequency range from 30MHz to 1000 MHz.

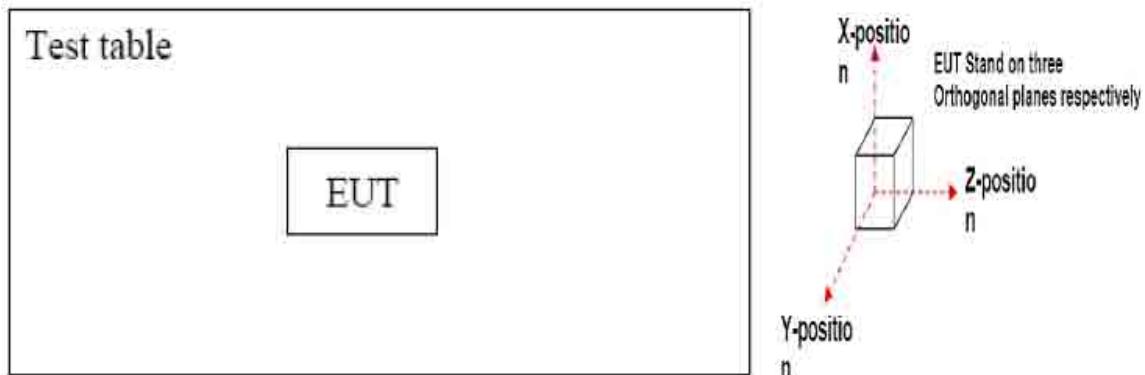
The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

PEAK detector, 1MHz/1MHz for PAEK measurement,

PEAK detector, 1MHz/10Hz for Average measurement

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

We test X-axis, Y-axis, and Z-axis,. The **X-axis** is the worst mode, so only the worst mode test data was included in the report.



4.4. Test Result

PASS.

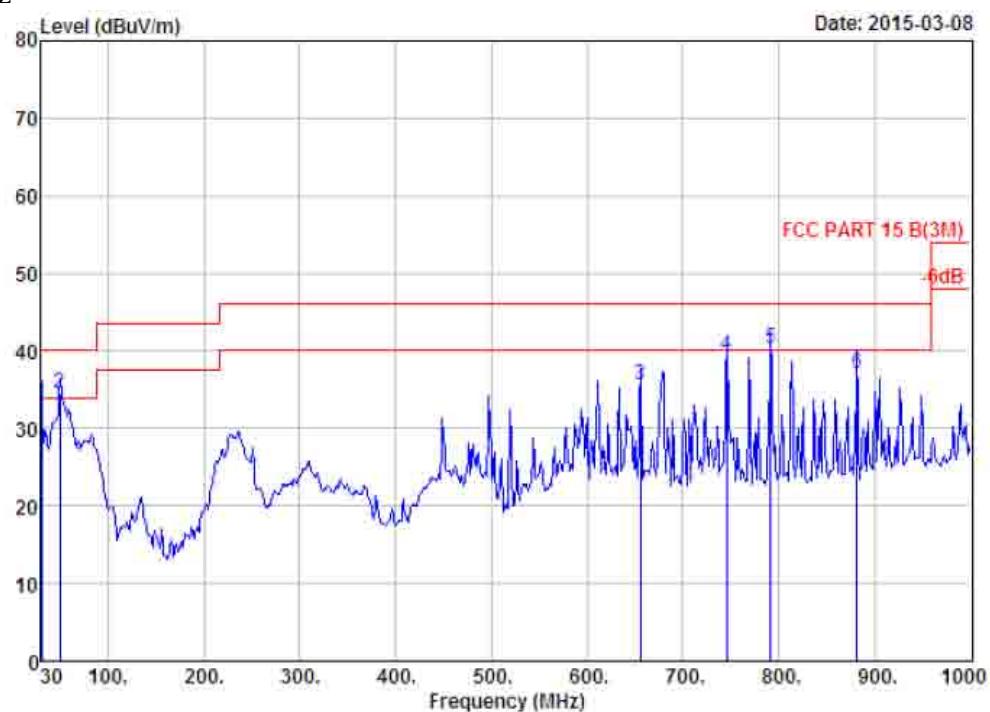
All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

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

- 2、The frequency 2412MHz 、2422MHz、2437MHz、2452MHz and 2462 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

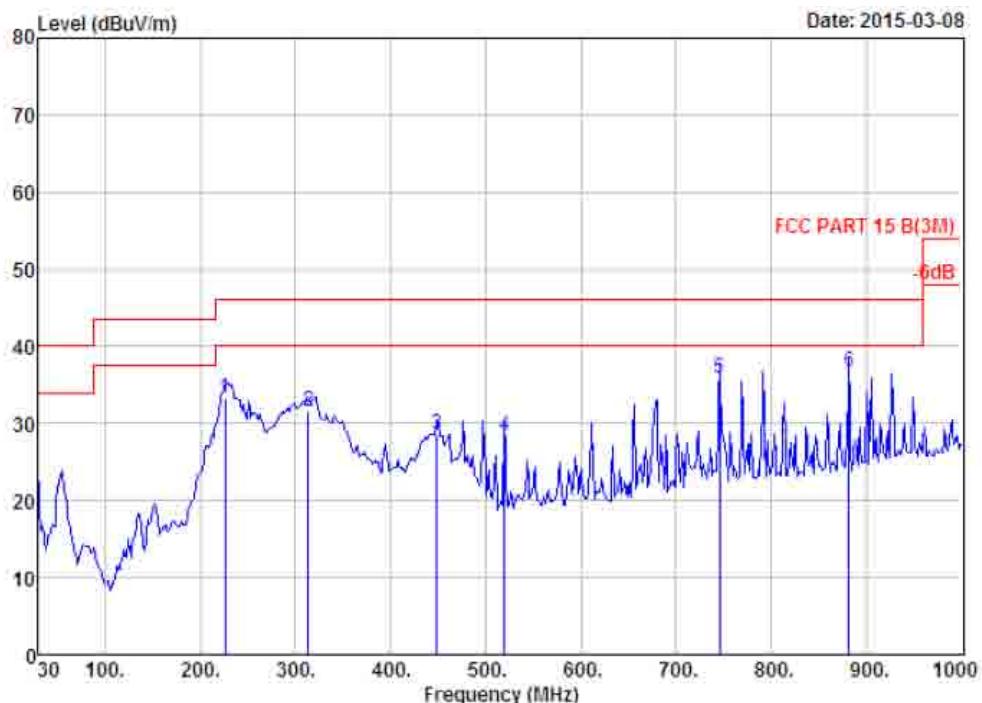
4.5. Test Data

30-1000 MHz



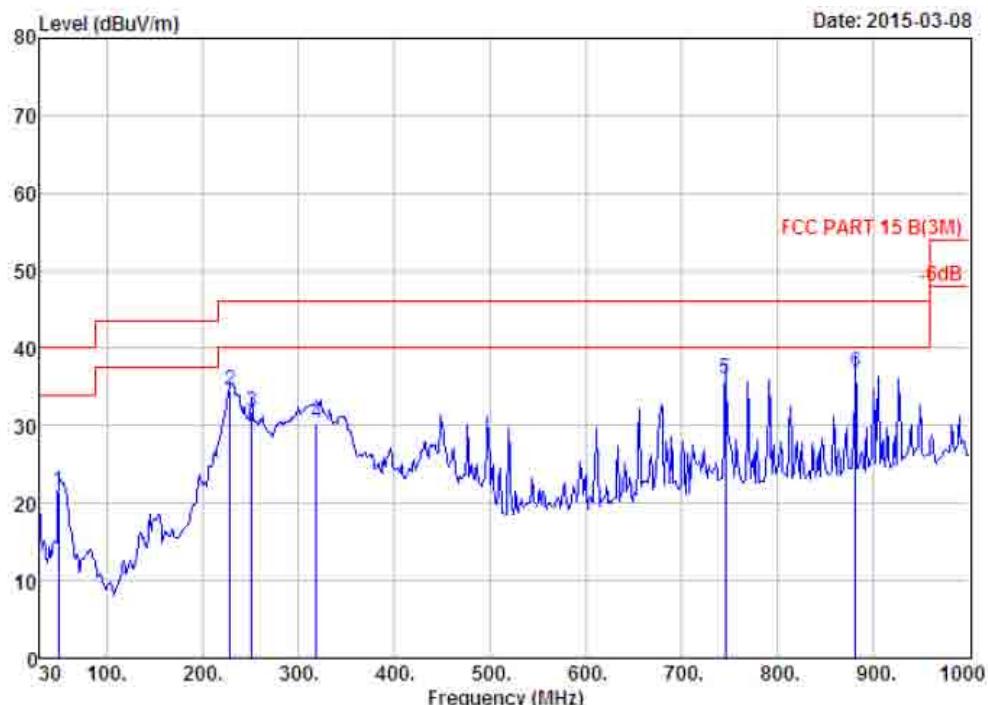
Site no. : 1# 966 chamber Data no. : 129
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission				Remark
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 30.00	18.51	0.65	14.41	33.57	40.00	6.43	QP	
2 49.40	7.90	0.95	25.63	34.48	40.00	5.52	QP	
3 655.65	20.08	3.61	12.00	35.69	46.00	10.31	QP	
4 745.86	22.26	3.90	13.39	39.55	46.00	6.45	QP	
5 791.45	22.04	3.86	14.50	40.40	46.00	5.60	QP	
6 881.66	22.69	4.00	10.52	37.21	46.00	8.79	QP	



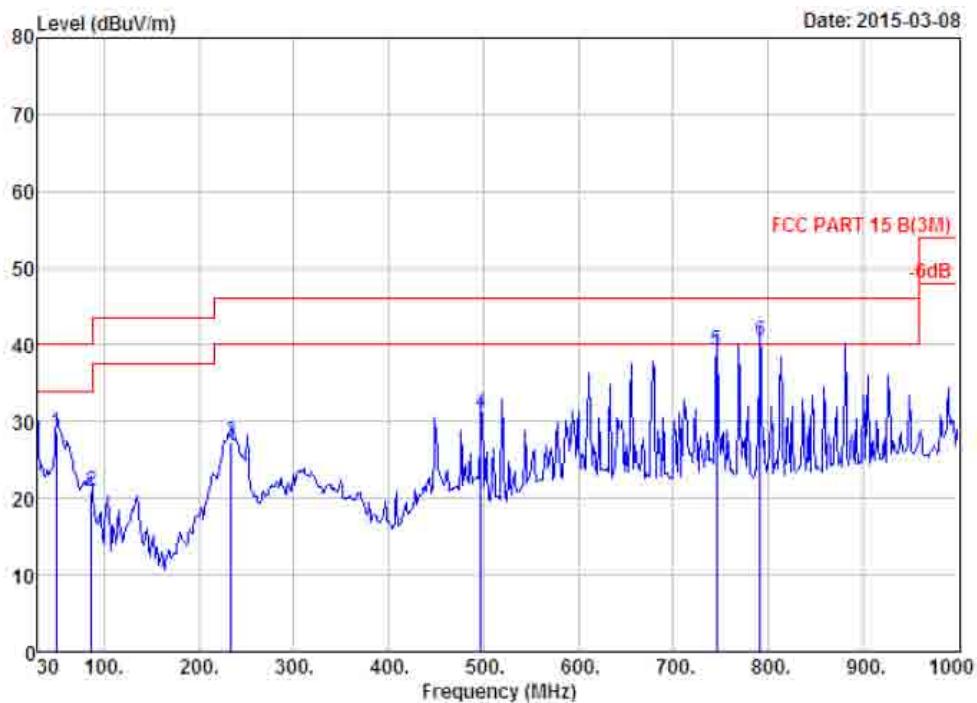
Site no. : 1# 966 chamber Data no. : 130
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11b CH1 2412IX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 225.94	9.47	1.99	21.90	33.36	46.00	12.64	QP
2 313.24	13.31	2.44	15.77	31.52	46.00	14.48	QP
3 449.04	16.45	2.95	9.17	28.57	46.00	17.43	QP
4 519.85	17.96	3.17	7.23	28.36	46.00	17.64	QP
5 745.86	22.26	3.90	9.68	35.84	46.00	10.16	QP
6 881.66	22.69	4.00	10.00	36.69	46.00	9.31	QP



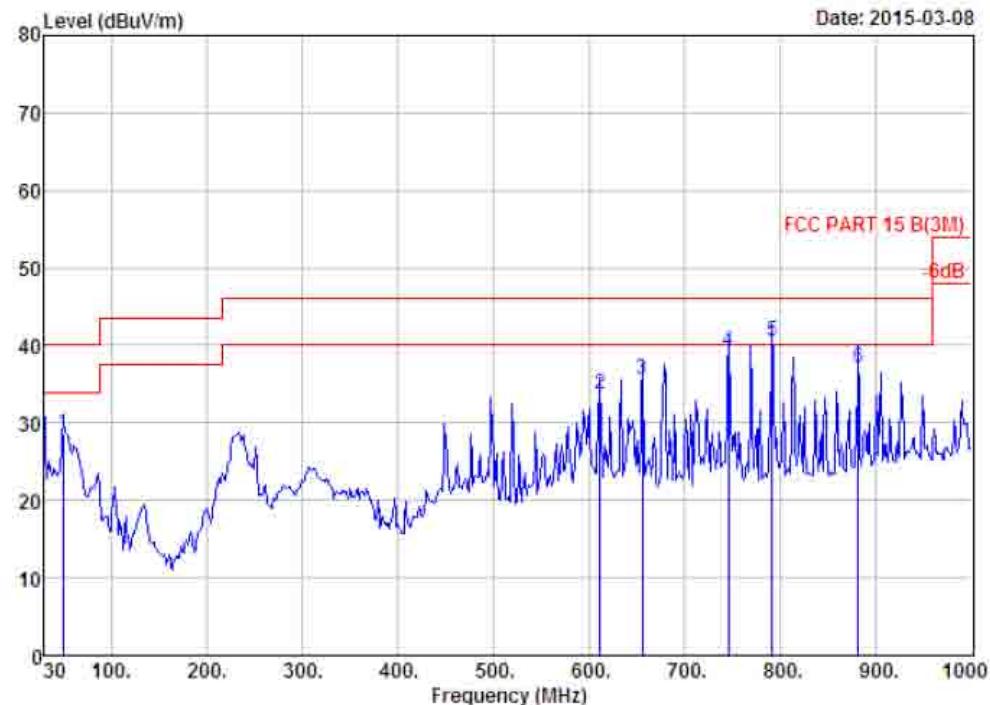
Site no. : 1# 966 chamber Data no. : 131
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH6 2437TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	12.74	21.59	40.00	18.41	QP
2	229.85	9.45	2.08	23.06	34.59	46.00	11.41	QP
3	251.16	11.94	2.15	17.67	31.76	46.00	14.24	QP
4	319.06	13.53	2.40	14.32	30.25	46.00	15.75	QP
5	745.86	22.26	3.90	9.91	36.07	46.00	9.93	QP
6	881.66	22.69	4.00	10.32	37.01	46.00	8.99	QP



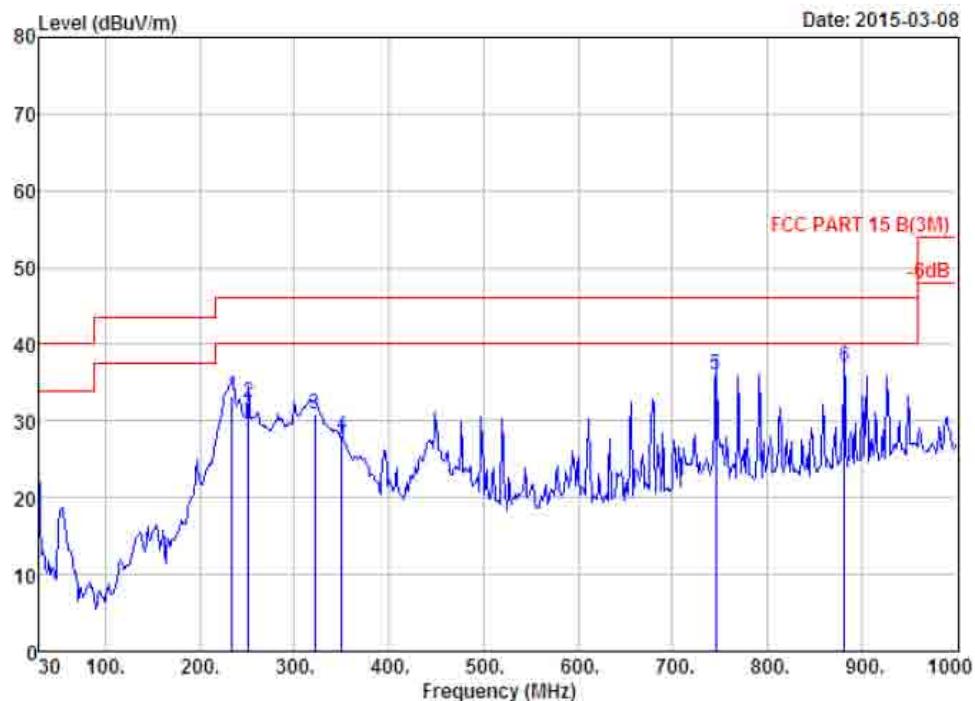
Site no. : 1# 966 chamber Data no. : 132
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6%;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH6 2437TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 49.40	7.90	0.95	19.76	28.61	40.00	11.39	QP
2 86.26	7.84	1.24	11.83	20.91	40.00	19.09	QP
3 233.70	9.64	2.09	15.65	27.38	46.00	18.62	QP
4 497.54	17.86	3.10	10.20	31.16	46.00	14.84	QP
5 745.86	22.26	3.90	13.18	39.34	46.00	6.66	QP
6 791.45	22.04	3.86	14.64	40.54	46.00	5.46	QP



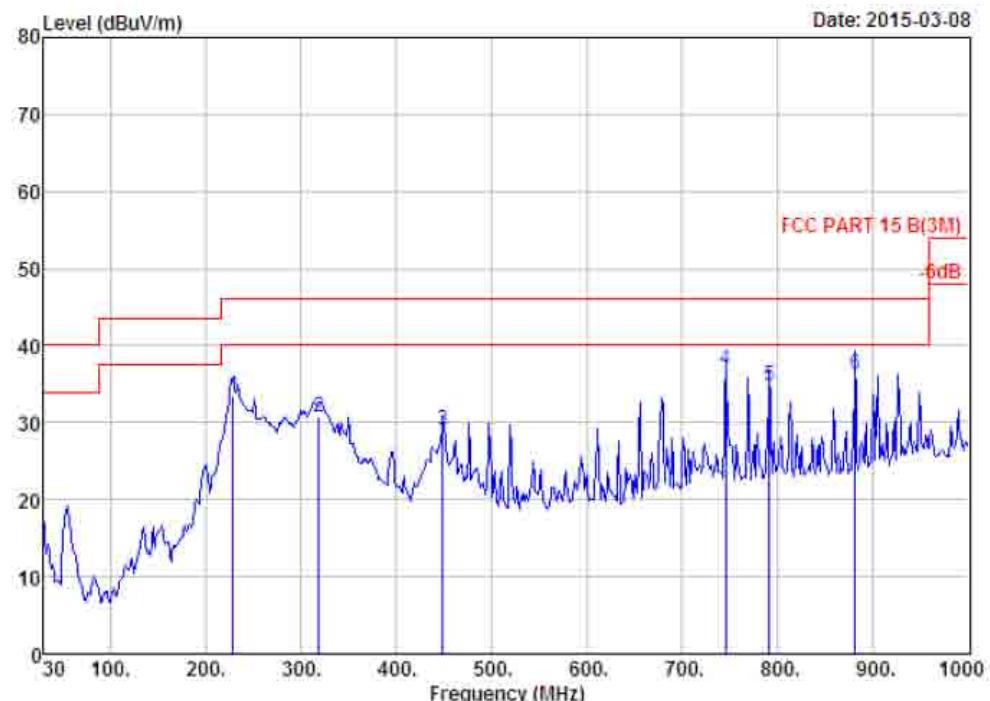
Site no. : 1# 966 chamber Data no. : 133
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	19.67	28.52	40.00	11.48	QP
2	612.00	19.91	3.33	10.56	33.80	46.00	12.20	QP
3	655.65	20.08	3.61	12.04	35.73	46.00	10.27	QP
4	745.86	22.26	3.90	13.14	39.30	46.00	6.70	QP
5	791.45	22.04	3.86	14.74	40.64	46.00	5.36	QP
6	881.66	22.69	4.00	10.39	37.08	46.00	8.92	QP



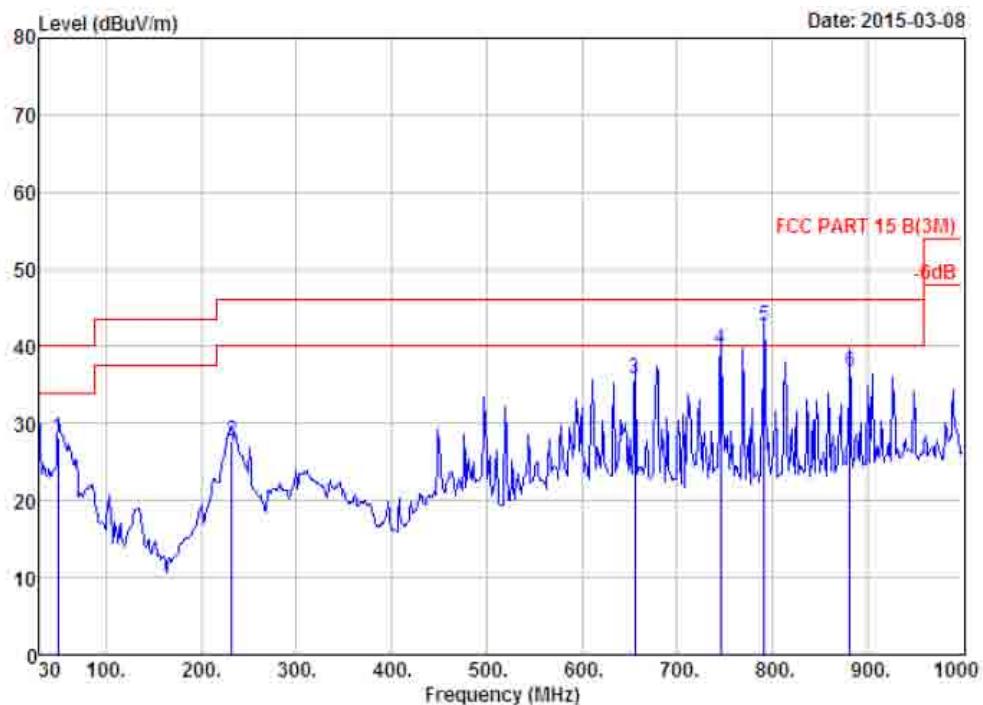
Site no. : 1# 966 chamber Data no. : 134
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-RML100U
 Test Mode : IEEE 802.11b CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	233.70	9.64	2.09	21.51	33.24	46.00	12.76	QP
2	251.16	11.94	2.15	18.38	32.47	46.00	13.53	QP
3	321.00	13.60	2.41	14.84	30.85	46.00	15.15	QP
4	350.10	14.47	2.51	11.13	28.11	46.00	17.89	QP
5	745.86	22.26	3.90	9.97	36.13	46.00	9.87	QP
6	881.66	22.69	4.00	10.52	37.21	46.00	8.79	QP



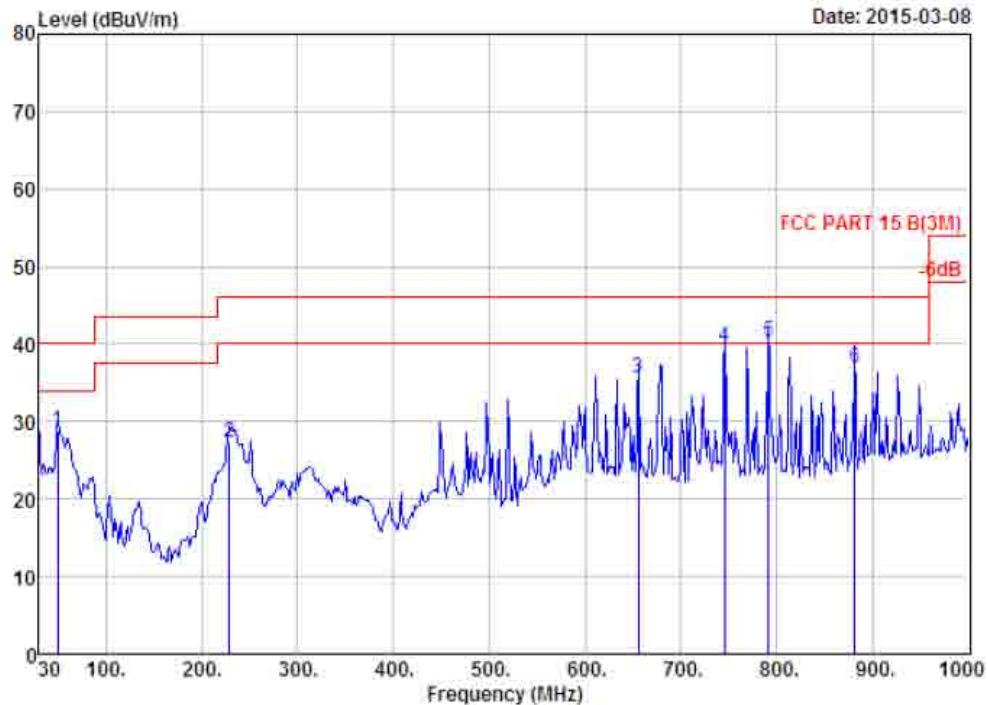
Site no. : 1# 966 chamber Data no. : 135
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

	Ant.	Cable	Emission				
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dB _{UV})	Level (dB _{UV} /m)	Limits (dB _{UV} /m)	Margin (dB)	Remark
1 228.85	9.45	2.08	22.03	33.56	46.00	12.44	QP
2 319.06	19.53	2.40	14.81	30.74	46.00	15.26	QP
3 449.04	16.45	2.95	9.53	26.93	46.00	17.07	QP
4 745.86	22.26	3.90	10.71	36.87	46.00	9.13	QP
5 791.45	22.04	3.86	8.95	34.85	46.00	11.15	QP
6 881.66	22.69	4.00	9.66	36.35	46.00	9.65	QP



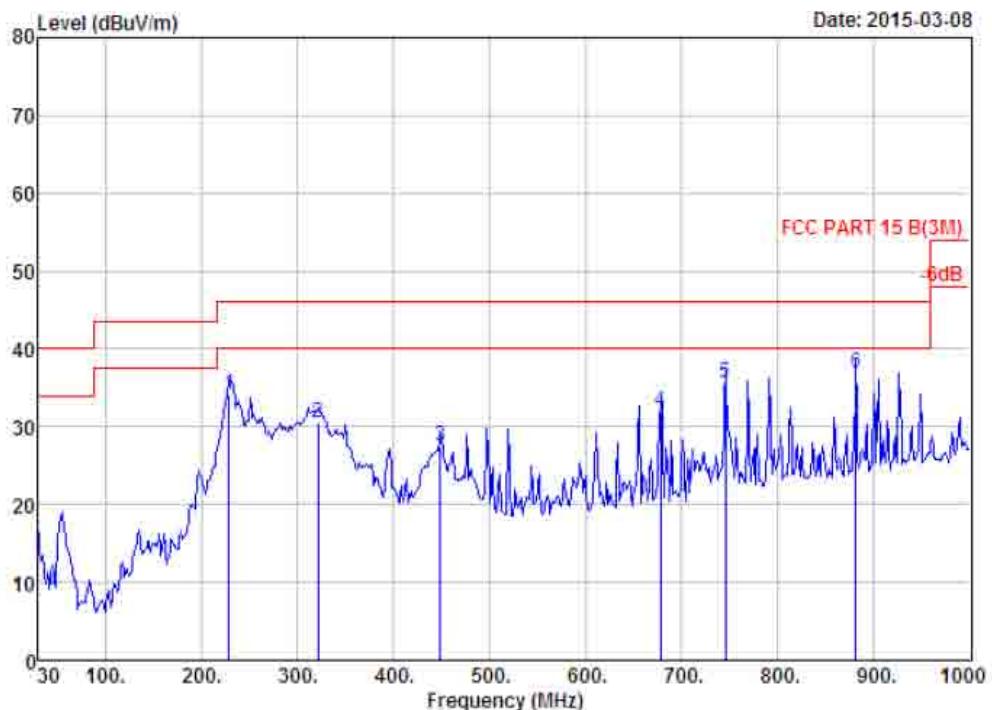
Site no. : 1# 966 chamber Data no. : 136
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11g CH1 2412IX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 49.40	7.90	0.95	19.34	28.19	40.00	11.81	QP
2 231.76	9.54	2.07	16.08	27.69	46.00	18.31	QP
3 655.65	20.08	3.61	12.06	35.75	46.00	10.25	QP
4 745.86	22.26	3.90	13.44	39.60	46.00	6.40	QP
5 791.45	22.04	3.86	16.87	42.77	46.00	3.23	QP
6 881.66	22.69	4.00	9.98	36.67	46.00	9.33	QP



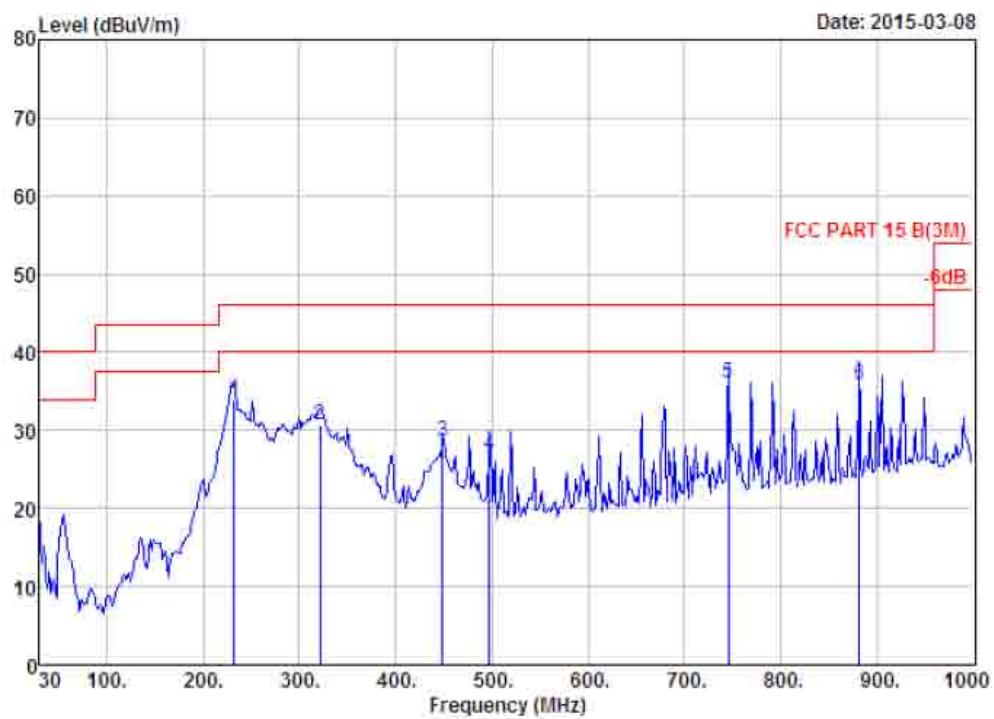
Site no. : 1# 966 chamber Data no. : 137
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH6 2437TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	19.87	28.72	40.00	11.28	QP
2	228.85	9.45	2.08	15.88	27.41	46.00	18.59	QP
3	555.65	20.08	3.61	11.91	35.60	46.00	10.40	QP
4	745.86	22.26	3.90	13.57	39.73	46.00	6.27	QP
5	791.45	22.04	3.86	14.34	40.24	46.00	5.76	QP
6	881.66	22.69	4.00	10.29	36.98	46.00	9.02	QP



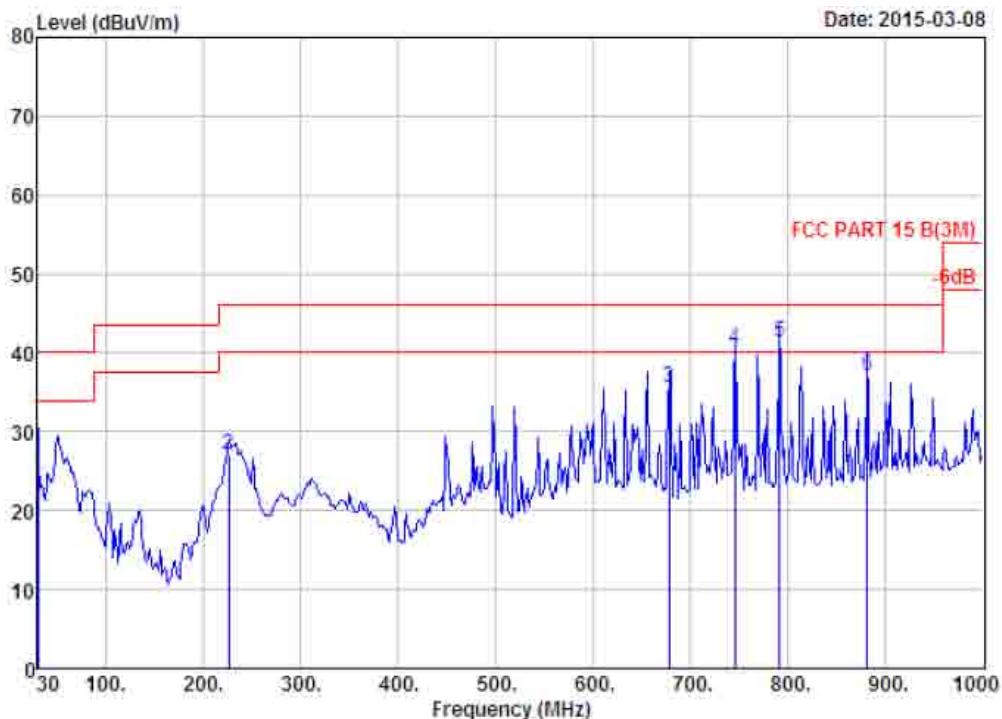
Site no. : 1# 966 chamber Data no. : 138
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH6 2437TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 228.85	9.45	2.08	22.60	34.13	46.00	11.87	QP
2 321.00	13.60	2.41	14.51	30.52	46.00	15.48	QP
3 449.04	16.45	2.95	8.12	27.52	46.00	18.48	QP
4 677.96	20.28	3.65	8.00	31.93	46.00	14.07	QP
5 745.86	22.26	3.90	9.49	35.65	46.00	10.35	QP
6 881.66	22.69	4.00	10.11	36.80	46.00	9.20	QP



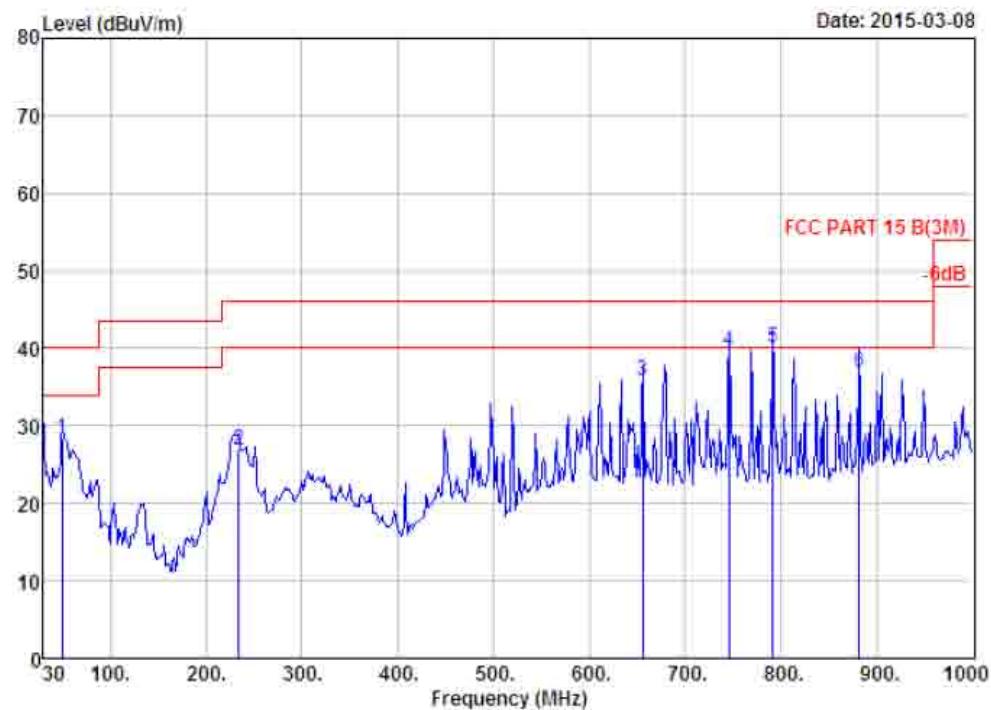
Site no. : 1# 966 chamber Data no. : 139
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	231.76	9.54	2.07	22.28	33.29	46.00	12.11	QP
2	321.00	13.60	2.41	14.78	30.79	46.00	15.21	QP
3	449.04	16.45	2.95	9.25	28.65	46.00	17.35	QP
4	497.54	17.86	3.10	6.00	26.96	46.00	19.04	QP
5	745.86	22.26	3.90	9.95	36.11	46.00	9.89	QP
6	881.66	22.69	4.00	9.23	35.92	46.00	10.08	QP



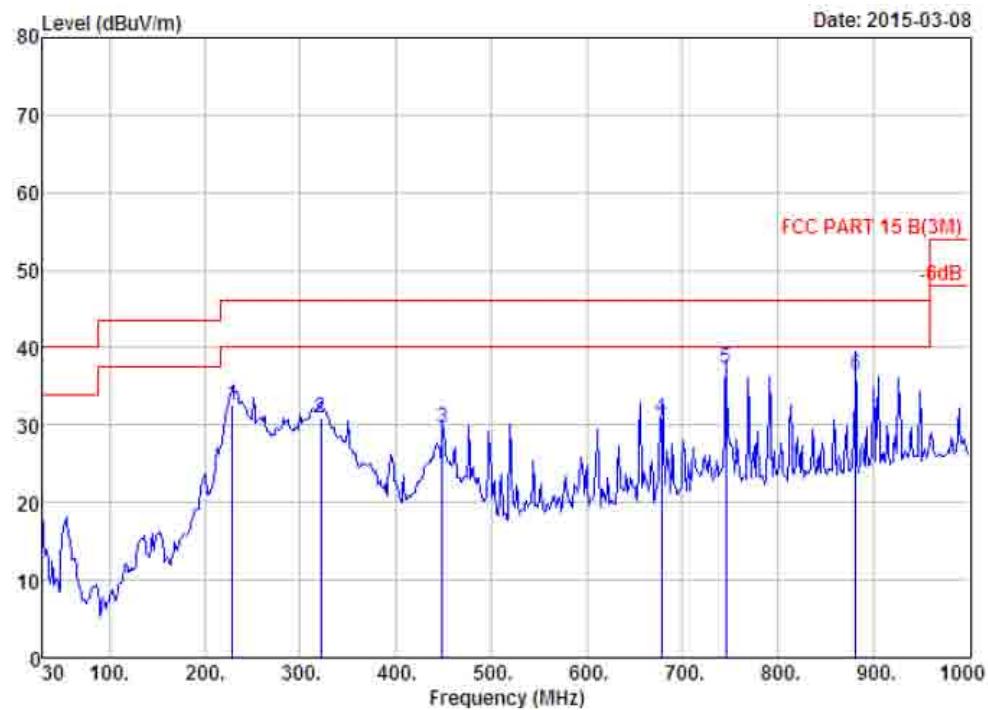
Site no. : 1# 966 chamber Data no. : 140
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11g CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.00	18.51	0.65	8.79	27.95	40.00	12.05	QP
2	225.94	9.47	1.99	15.62	27.08	46.00	18.92	QP
3	677.96	20.28	3.65	11.79	35.72	46.00	10.28	QP
4	745.86	22.26	3.90	14.48	40.64	46.00	5.36	QP
5	791.45	22.04	3.86	15.57	41.47	46.00	4.53	QP
6	981.66	22.69	4.00	10.36	37.05	46.00	8.95	QP



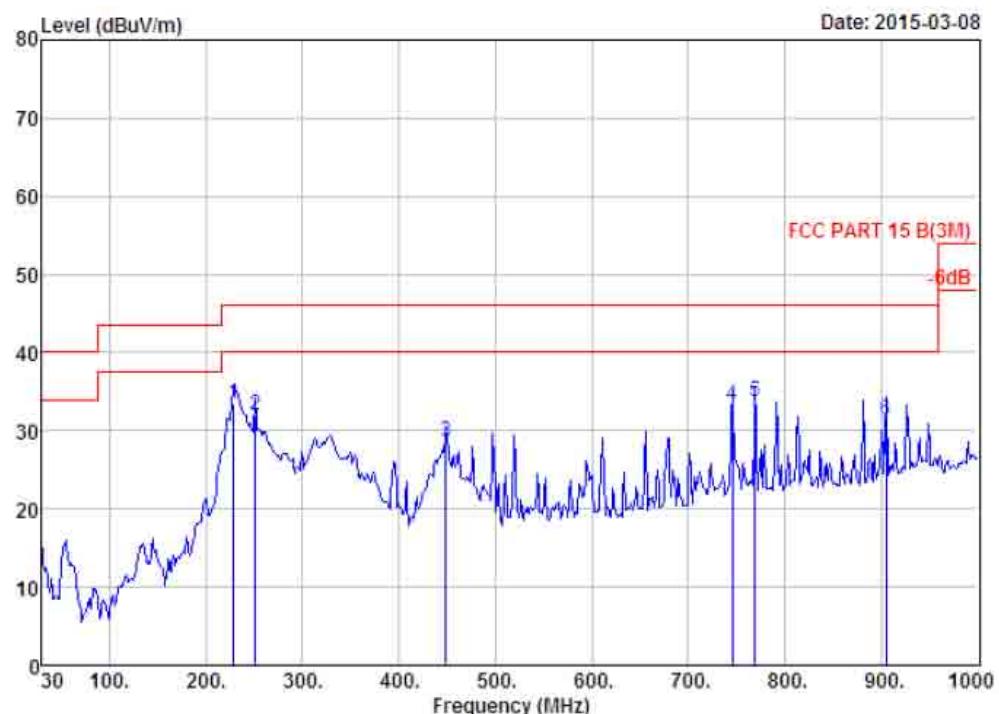
Site no. : 1# 966 chamber Data no. : 141
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CR1 2412TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	19.47	28.32	40.00	11.68	QP
2	233.70	9.64	2.09	15.23	26.96	46.00	19.04	QP
3	655.65	20.08	3.61	12.14	35.83	46.00	10.17	QP
4	745.86	22.26	3.90	13.48	39.64	46.00	6.36	QP
5	791.45	22.04	3.86	14.28	40.18	46.00	5.82	QP
6	881.66	22.69	4.00	10.27	36.96	46.00	9.04	QP



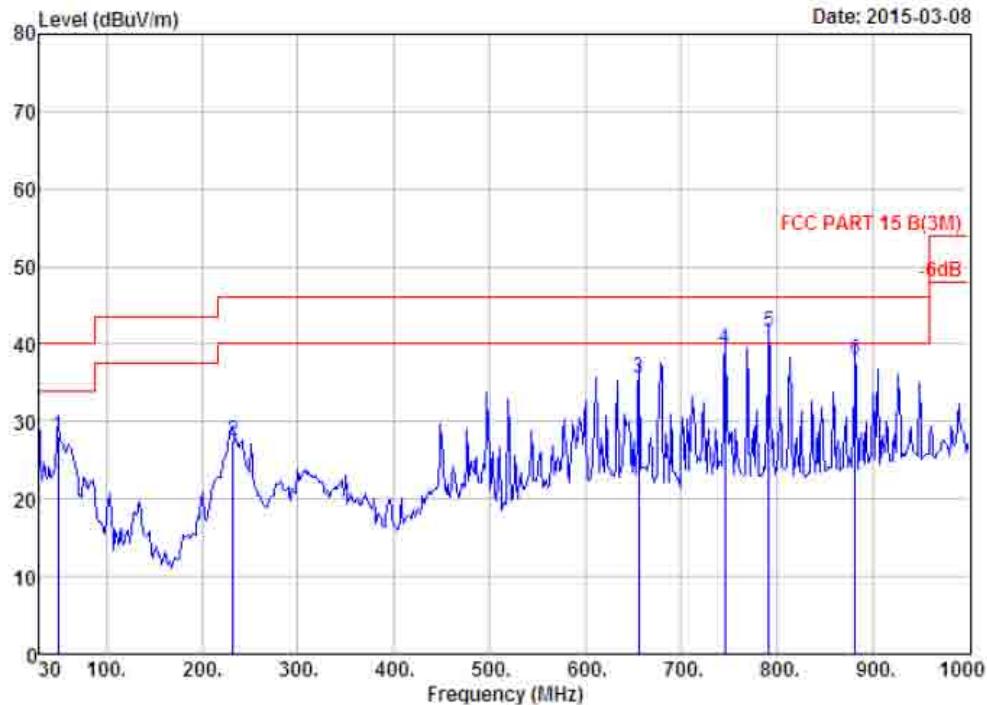
Site no. : 1# 966 chamber Data no. : 142
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	228.85	9.45	2.08	21.14	32.67	46.00	13.33	QP
2	321.00	13.60	2.41	14.96	30.97	46.00	15.03	QP
3	449.04	16.45	2.95	10.24	29.64	46.00	16.36	QP
4	677.96	20.28	3.65	6.98	30.91	46.00	15.09	QP
5	745.86	22.26	3.90	11.27	37.43	46.00	8.57	QP
6	881.66	22.69	4.00	9.72	36.41	46.00	9.59	QP



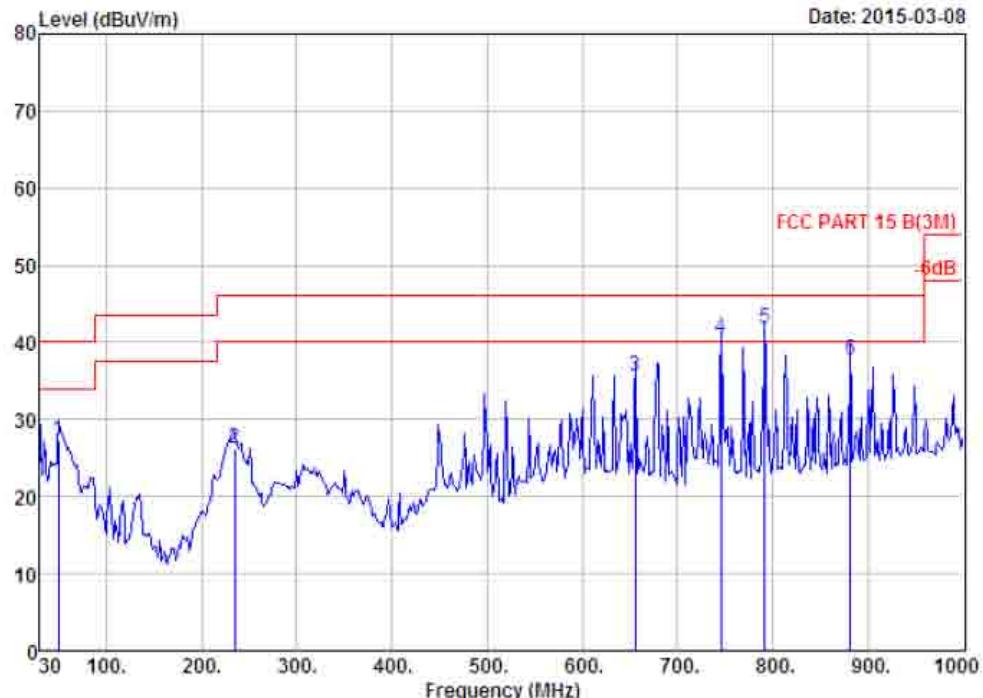
Site no. : 1# 966 chamber Data no. : 143
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH6 2437TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 228.85	9.45	2.08	22.07	33.60	46.00	12.40	QP
2 251.16	11.94	2.15	17.98	32.07	46.00	13.93	QP
3 449.04	16.45	2.95	9.11	28.51	46.00	17.49	QP
4 745.86	22.26	3.90	7.04	33.20	46.00	12.80	QP
5 769.14	22.05	3.94	7.69	33.69	46.00	12.32	QP
6 904.94	23.40	4.10	3.82	31.32	46.00	14.68	QP



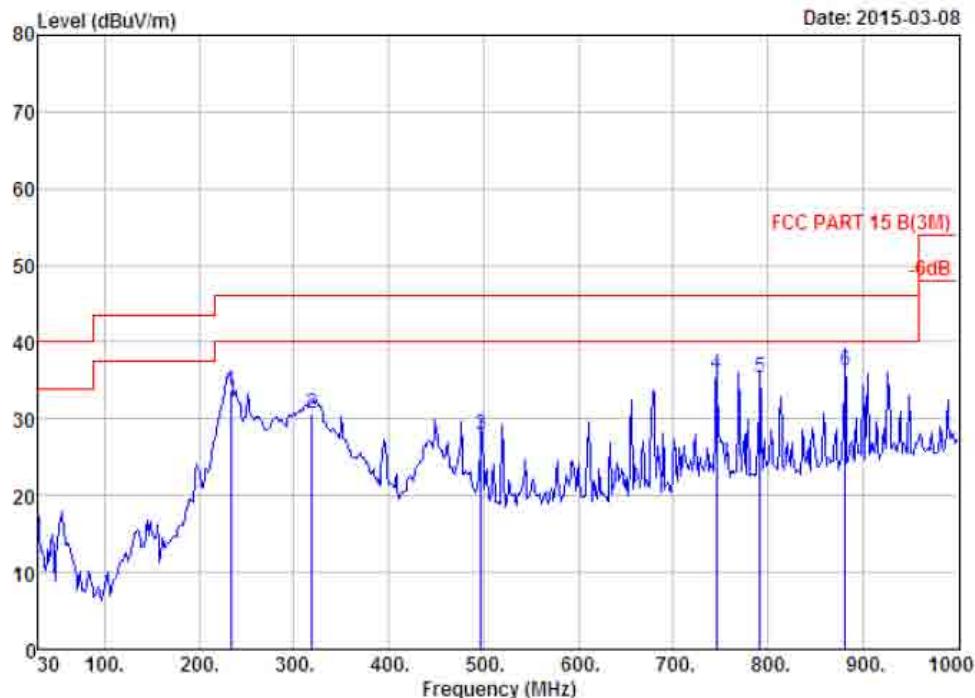
Site no. : 1# 966 chamber Data no. : 144
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer: Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH6 2437TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	19.38	28.23	40.00	11.77	QP
2	231.76	9.54	2.07	15.83	27.44	46.00	18.56	QP
3	655.65	20.08	3.61	11.87	35.56	46.00	10.44	QE
4	745.86	22.26	3.90	13.39	39.55	46.00	6.45	QP
5	791.45	22.04	3.86	15.76	41.66	46.00	4.34	QP
6	881.66	22.69	4.00	11.87	38.06	46.00	7.94	QP



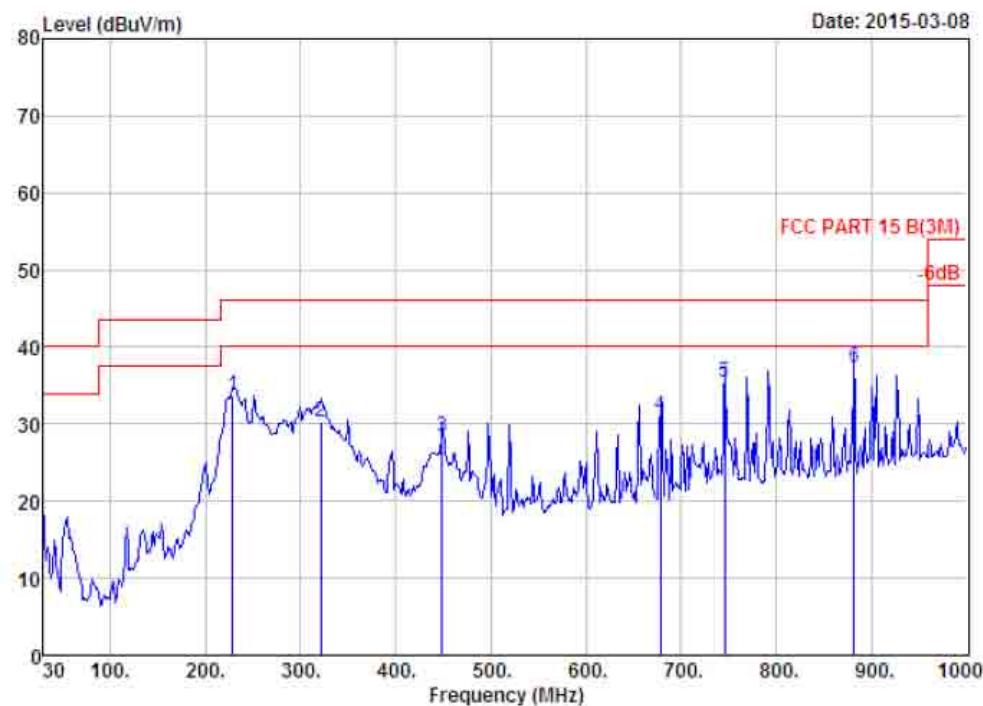
Site no. : 1# 966 chamber Data no. : 145
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	18.55	27.40	40.00	12.60	QP
2	234.87	9.69	2.09	14.38	26.16	46.00	19.84	QP
3	655.65	20.08	3.61	11.89	35.58	46.00	10.42	QP
4	745.86	22.26	3.90	14.31	40.47	46.00	5.53	QP
5	791.45	22.04	3.86	15.83	41.73	46.00	4.27	QP
6	881.66	22.69	4.00	11.13	37.82	46.00	8.18	QP



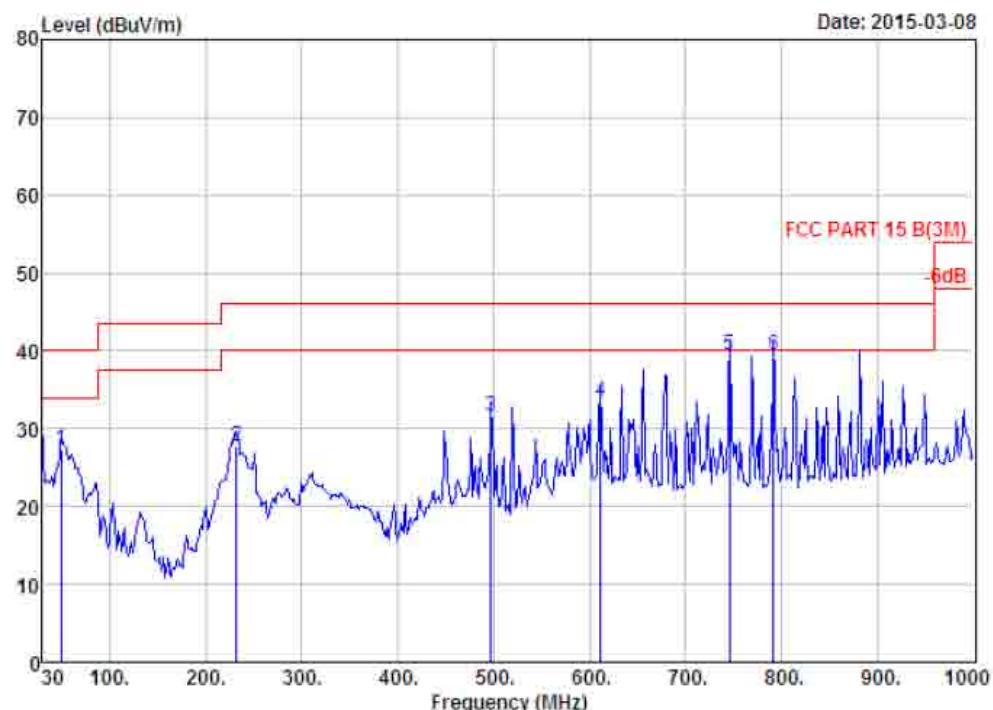
Site no. : 1# 966 chamber Data no. : 146
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB _{uV})	Emission			
				Level (dB _{uV/m})	Limits (dB _{uV/m})	Margin (dB)	Remark
1 282.73	9.59	2.08	22.13	33.20	46.00	12.20	QP
2 319.06	13.53	2.40	14.74	30.67	46.00	15.33	QP
3 497.54	17.86	3.10	7.04	28.00	46.00	18.00	QP
4 745.86	22.26	3.90	9.64	35.80	46.00	10.20	QP
5 791.45	22.04	3.26	9.41	35.31	46.00	10.69	QP
6 881.66	22.69	4.00	9.55	36.24	46.00	9.76	QP



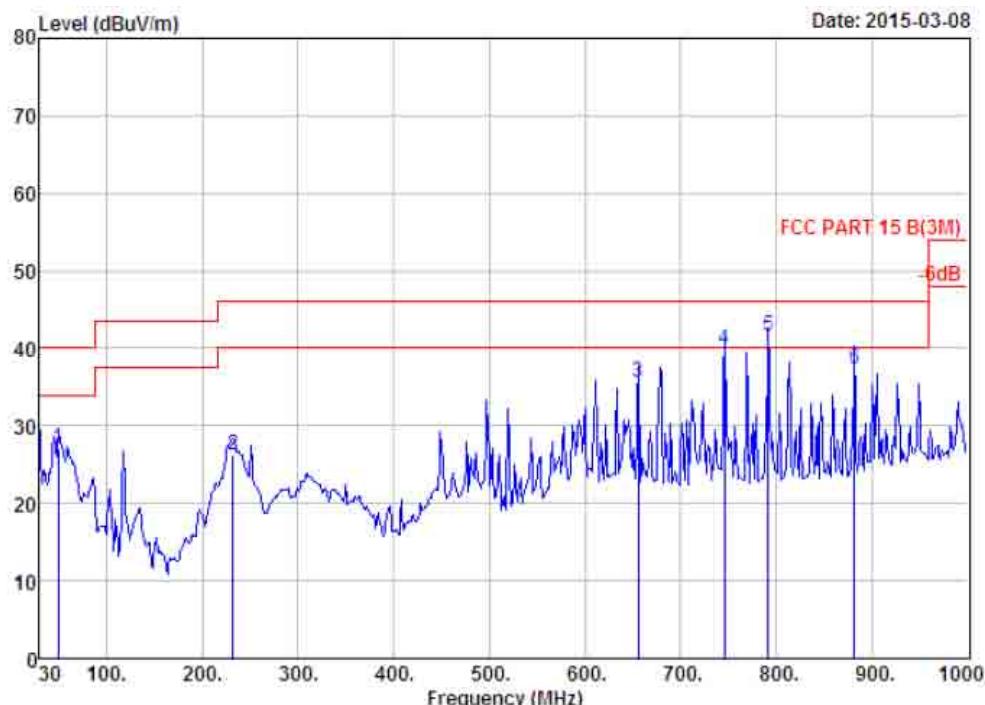
Site no. : 1# 966 chamber Data no. : 147
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 228.85	9.45	2.08	22.27	33.80	46.00	12.20	QP
2 321.00	13.60	2.41	14.21	30.22	46.00	15.78	QP
3 449.04	16.45	2.95	8.97	28.37	46.00	17.63	QP
4 677.96	20.28	3.65	7.27	31.20	46.00	14.80	QP
5 745.86	22.26	3.90	9.35	35.51	46.00	10.49	QP
6 881.66	22.69	4.00	10.70	37.39	46.00	8.61	QP



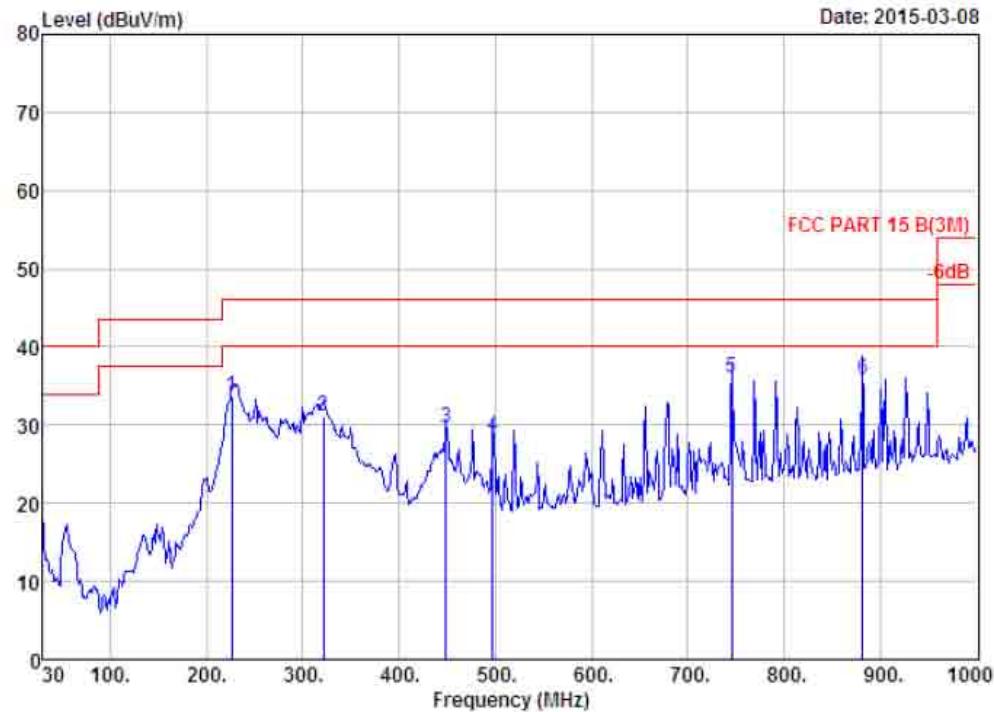
Site no. : 1# 966 chamber Data no. : 148
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	19.45	27.30	40.00	12.70	QP
2	231.76	9.54	2.07	16.03	27.64	46.00	18.36	QP
3	497.54	17.86	3.10	10.63	31.59	46.00	14.41	QP
4	612.00	19.91	3.33	10.31	33.55	46.00	12.45	QP
5	745.86	22.26	3.90	13.25	39.41	46.00	6.59	QP
6	791.45	22.04	3.86	13.57	39.47	46.00	6.53	QP



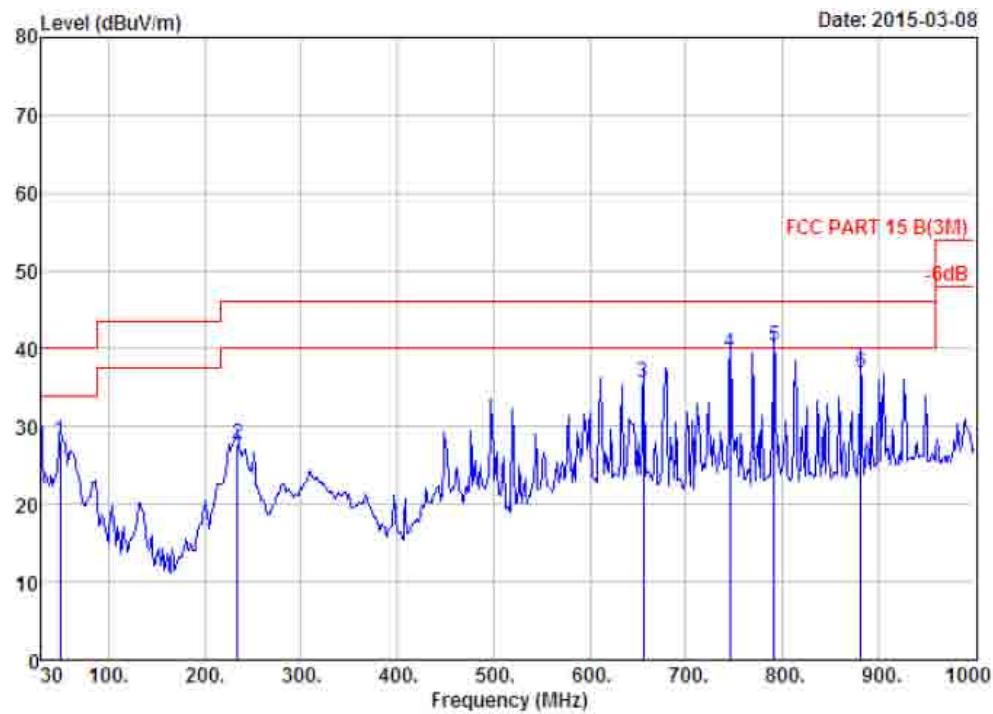
Site no. : 1# 966 chamber Data no. : 149
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH4 2437TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 49.40	7.90	0.95	18.20	27.05	40.00	12.95	QP
2 231.76	9.54	2.07	14.69	26.30	46.00	19.70	QP
3 655.65	20.08	3.61	12.00	35.69	46.00	10.31	QP
4 745.86	22.26	3.90	13.73	39.89	46.00	6.11	QP
5 791.45	22.04	3.86	15.71	41.61	46.00	4.39	QP
6 881.66	22.69	4.00	10.62	37.31	46.00	8.69	QP



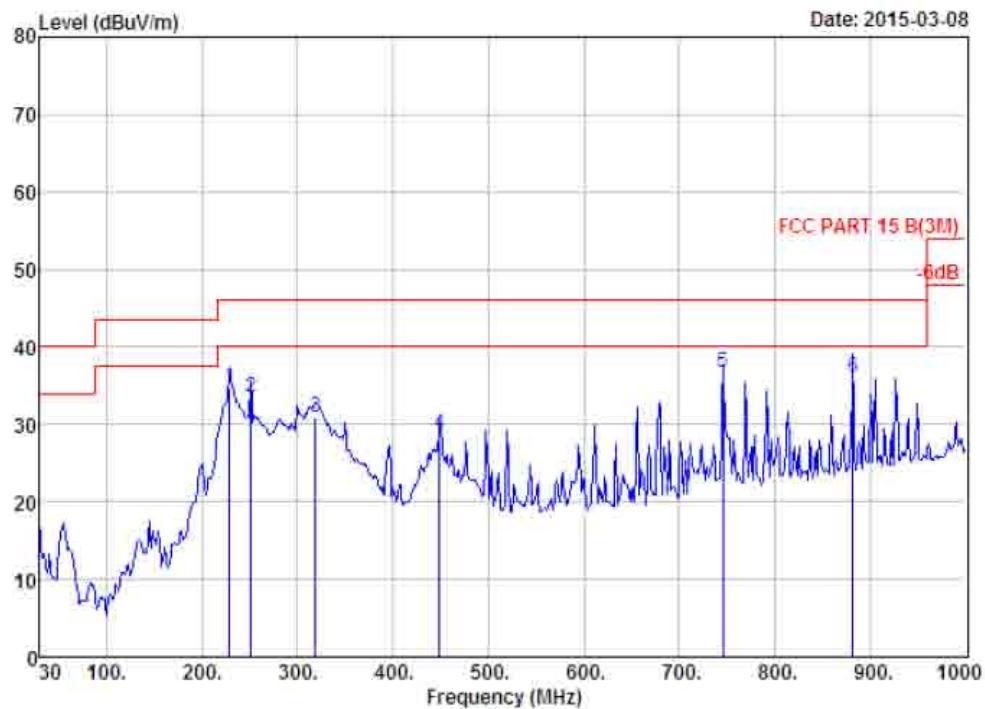
Site no. : 1# 966 chamber Data no. : 150
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH4 2437TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 225.94	9.47	1.99	22.18	33.64	46.00	12.36	QP
2 321.00	13.60	2.41	15.20	31.21	46.00	14.79	QP
3 449.04	16.45	2.95	10.35	29.75	46.00	16.25	QP
4 497.54	17.86	3.10	7.72	28.68	46.00	17.32	QP
5 745.86	22.26	3.90	9.81	35.97	46.00	10.03	QP
6 881.66	22.69	4.00	9.20	35.89	46.00	10.11	QP



Site no. : 1# 966 chamber Data no. : 151
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11n HT40 CHT 2452TX

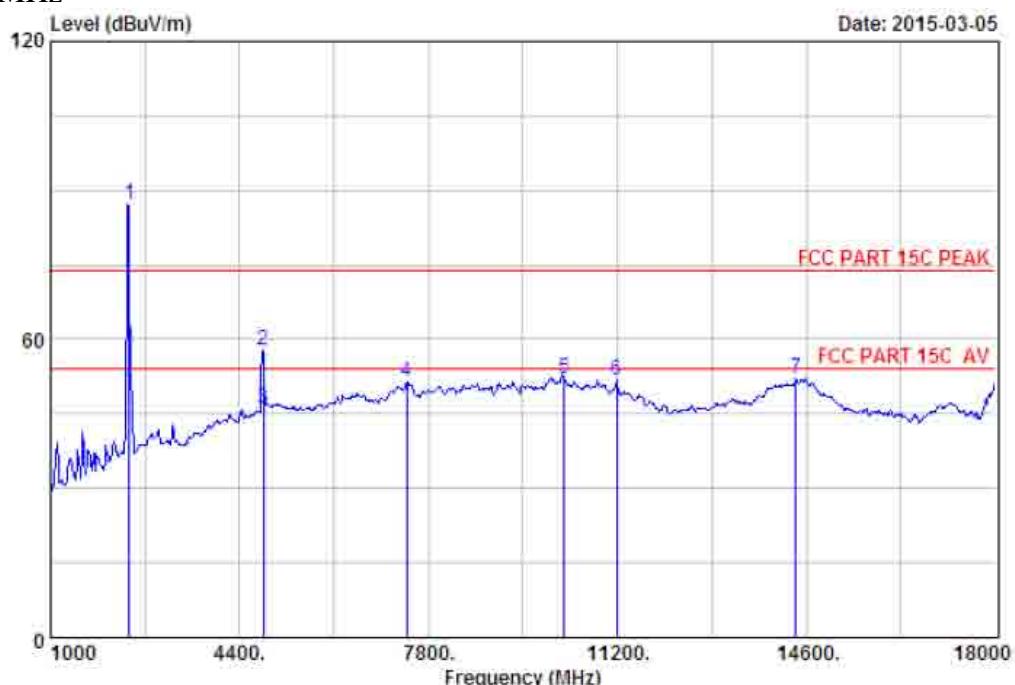
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.40	7.90	0.95	19.25	28.10	40.00	11.90	QP
2	233.70	9.64	2.09	15.91	27.64	46.00	18.36	QP
3	655.65	20.08	3.61	11.89	35.58	46.00	10.42	QP
4	745.86	22.26	3.90	13.38	39.54	46.00	6.46	QP
5	791.45	22.04	3.86	14.41	40.31	46.00	5.69	QP
6	881.66	22.69	4.00	10.27	36.96	46.00	9.04	QP



Site no. : 1# 966 chamber Data no. : 152
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : EI-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	228.85	9.45	2.08	23.24	34.77	46.00	11.23	QP
2	251.16	11.94	2.15	19.46	33.55	46.00	12.45	QP
3	319.06	13.53	2.40	15.02	30.95	46.00	15.05	QP
4	449.04	16.45	2.95	9.47	28.87	46.00	17.13	QP
5	745.86	22.26	3.90	10.64	36.80	46.00	9.20	QP
6	881.66	22.69	4.00	9.32	36.01	46.00	9.99	QP

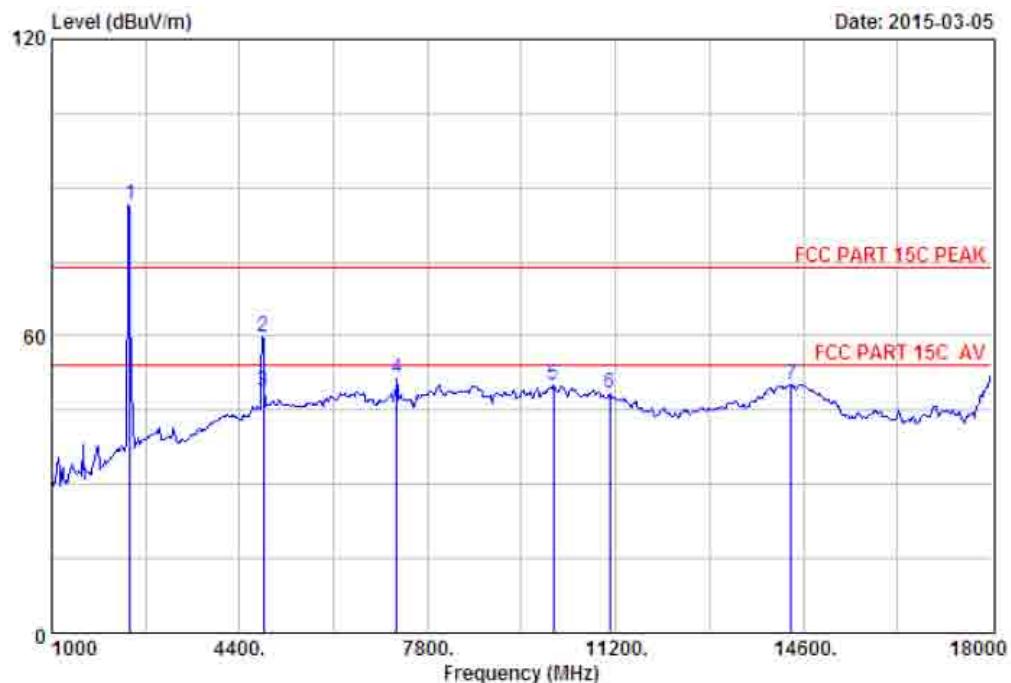
1000-18000 MHz



Site no. : 3m Chamber Data no. : 753
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant.			Emission				Margin (dB)	Remark
	Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2412.00	27.60	6.64	34.15	87.17	87.26	74.00	-13.26	Peak	
2 4824.00	31.28	11.84	31.83	46.59	57.88	74.00	16.12	Peak	
3 4824.00	31.28	11.84	31.83	34.74	46.03	54.00	7.97	Average	
4 7409.00	36.58	11.60	31.97	35.23	51.44	74.00	22.56	Peak	
5 10248.00	38.53	11.45	32.24	34.43	52.17	74.00	21.83	Peak	
6 11183.00	39.40	11.15	34.00	35.18	51.73	74.00	22.27	Peak	
7 14413.00	41.80	10.92	32.78	32.25	52.19	74.00	21.81	Peak	

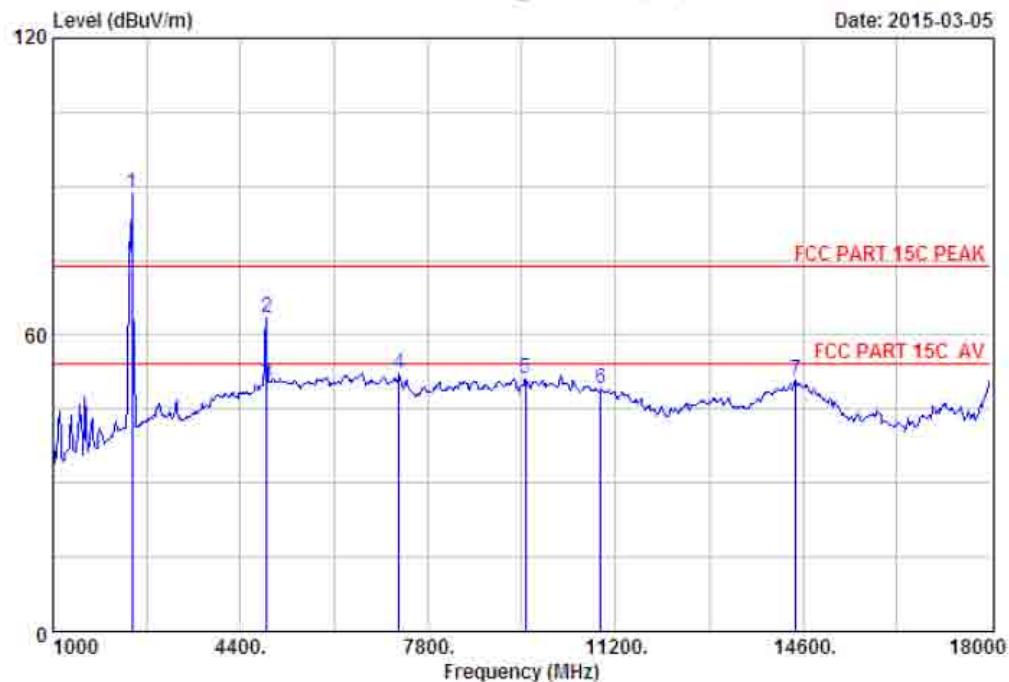
Remarks: 1. Emission Level = Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 754
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

	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	2412.00	27.60	6.64	34.15	86.51	86.60	74.00	-12.60	Peak
2	4824.00	31.28	11.84	31.83	48.66	59.95	74.00	14.05	Peak
3	4824.00	31.28	11.84	31.83	37.37	48.66	54.00	5.34	Average
4	7239.00	36.53	11.55	32.07	35.48	51.49	74.00	22.51	Peak
5	10078.00	38.24	11.54	31.92	32.13	49.99	74.00	24.01	Peak
6	11098.00	39.45	11.22	33.84	31.70	48.33	74.00	25.47	Peak
7	14379.00	41.77	10.92	32.88	30.49	50.30	74.00	23.70	Peak

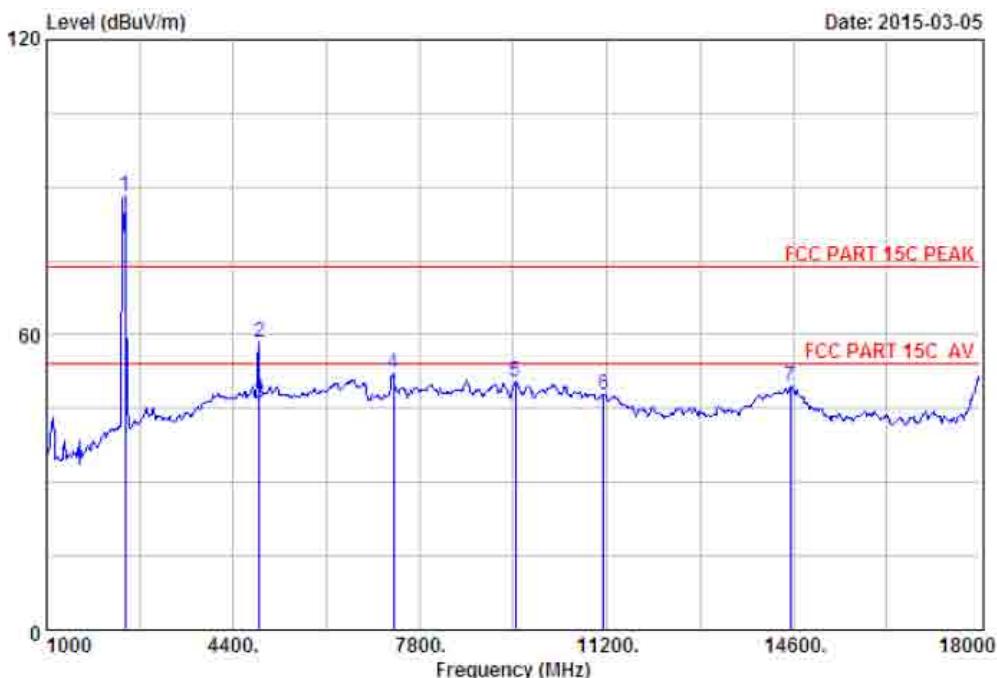
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 757
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/M : ET-WML100U
 Test Mode : IEEE 802.11b CH6_2437TX

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 2437.00	27.60	6.67	34.12	88.59	88.74	74.00	-14.74	Peak
2 4874.00	31.37	12.07	31.90	51.98	63.52	74.00	10.48	Peak
3 4874.00	31.37	12.07	31.90	38.48	50.02	54.00	3.98	Average
4 7273.00	36.54	11.56	32.04	36.21	52.27	74.00	21.73	Peak
5 9568.00	37.94	11.69	31.93	33.30	51.00	74.00	23.00	Peak
6 10928.00	39.45	11.29	33.52	31.81	49.03	74.00	24.97	Peak
7 14464.00	41.65	10.93	32.96	30.93	50.75	74.00	23.25	Peak

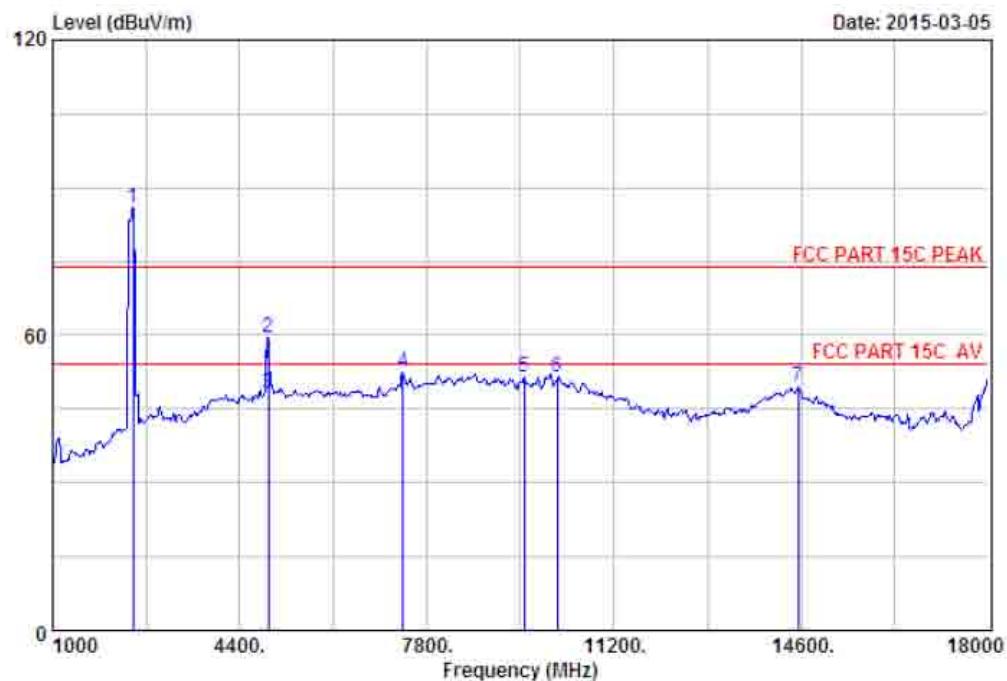
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 758
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH6 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits	Margin		
1 2437.00	27.60	6.67	34.12	88.16	88.31	74.00	-14.31	Peak	
2 4874.00	31.37	12.07	31.90	47.06	58.60	74.00	15.40	Peak	
3 4874.00	31.37	12.07	31.90	34.46	46.00	54.00	8.00	Average	
4 7324.00	36.55	11.57	31.99	35.99	52.12	74.00	21.88	Peak	
5 9534.00	37.97	11.70	31.92	32.63	50.38	74.00	23.62	Peak	
6 11149.00	39.42	11.18	33.94	31.23	47.89	74.00	26.11	Peak	
7 14549.00	41.77	10.92	33.26	30.03	49.46	74.00	24.54	Peak	

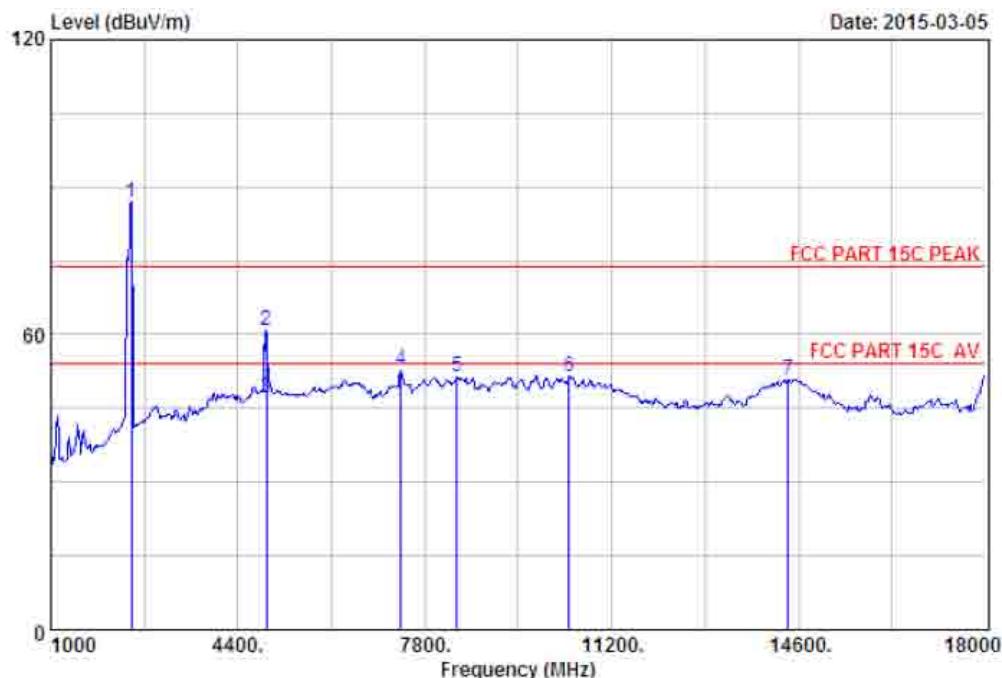
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 759
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits	Margin		
1 2462.00	27.58	6.69	34.06	85.86	86.07	74.00	-12.07		Peak
2 4924.00	31.45	12.29	31.95	47.72	59.51	74.00	14.49		Peak
3 4924.00	31.45	12.29	31.95	36.19	47.98	54.00	6.02		Average
4 7358.00	36.56	11.58	31.99	36.41	52.56	74.00	21.44		Peak
5 9568.00	37.94	11.69	31.93	33.74	51.44	74.00	22.56		Peak
6 10163.00	38.39	11.50	32.08	33.71	51.52	74.00	22.48		Peak
7 14549.00	41.77	10.92	33.26	29.99	49.42	74.00	24.58		Peak

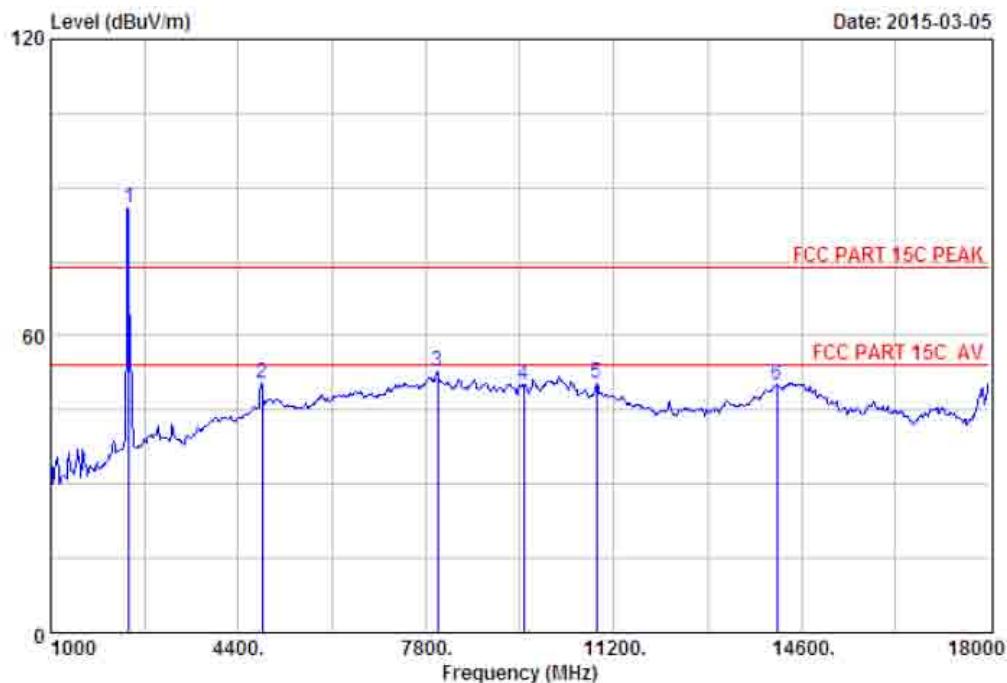
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 760
 Dis. / Ant. : 3m ANT 1-16G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits	(dBuV/m)		
1 2462.00	27.58	6.69	34.06	86.81	87.02	74.00	-13.02	Peak	
2 4924.00	31.45	12.29	31.95	49.14	60.93	74.00	13.07	Peak	
3 4924.00	31.45	12.29	31.95	35.32	47.11	54.00	6.89	Average	
4 7358.00	36.56	11.58	31.99	36.56	52.71	74.00	21.29	Peak	
5 8378.00	36.68	11.44	31.73	35.23	51.62	74.00	22.38	Peak	
6 10418.00	38.83	11.36	32.56	33.70	51.33	74.00	22.67	Peak	
7 14413.00	41.80	10.92	32.78	30.98	50.92	74.00	23.08	Peak	

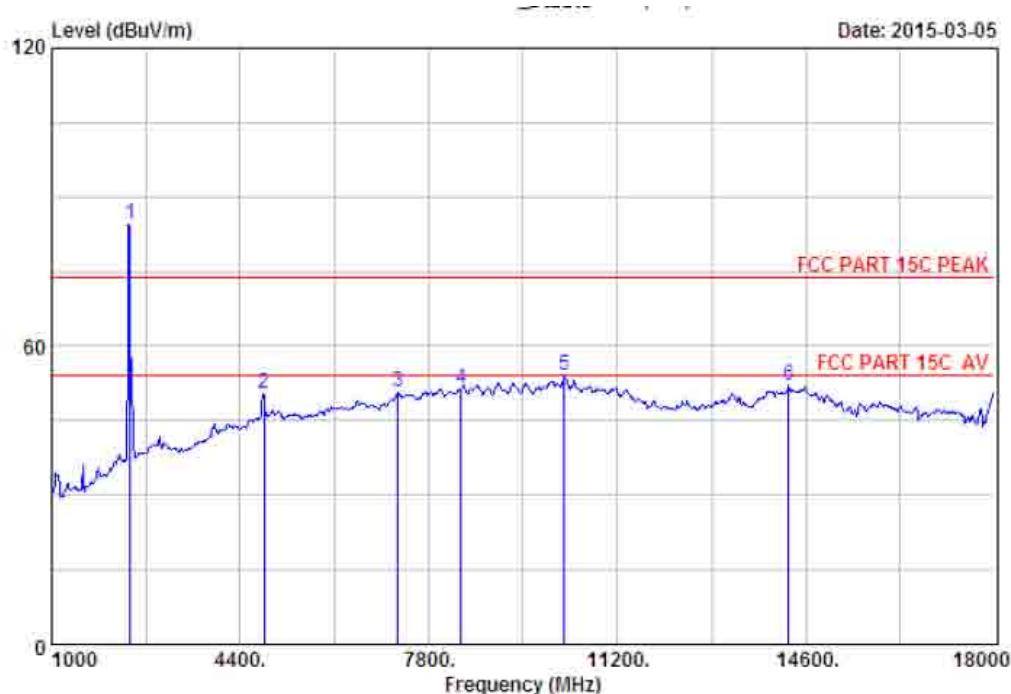
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 769
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

	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	2412.00	27.60	6.64	34.15	85.65	85.74	74.00	-11.74	Peak
2	4824.00	31.28	11.84	31.83	39.23	50.52	74.00	23.48	Peak
3	8004.00	37.01	11.40	31.22	35.49	52.68	74.00	21.32	Peak
4	9568.00	37.94	11.69	31.93	32.58	50.28	74.00	23.72	Peak
5	10894.00	39.41	11.29	33.46	33.12	50.36	74.00	23.64	Peak
6	14158.00	41.60	10.91	33.49	31.03	50.05	74.00	23.95	Peak

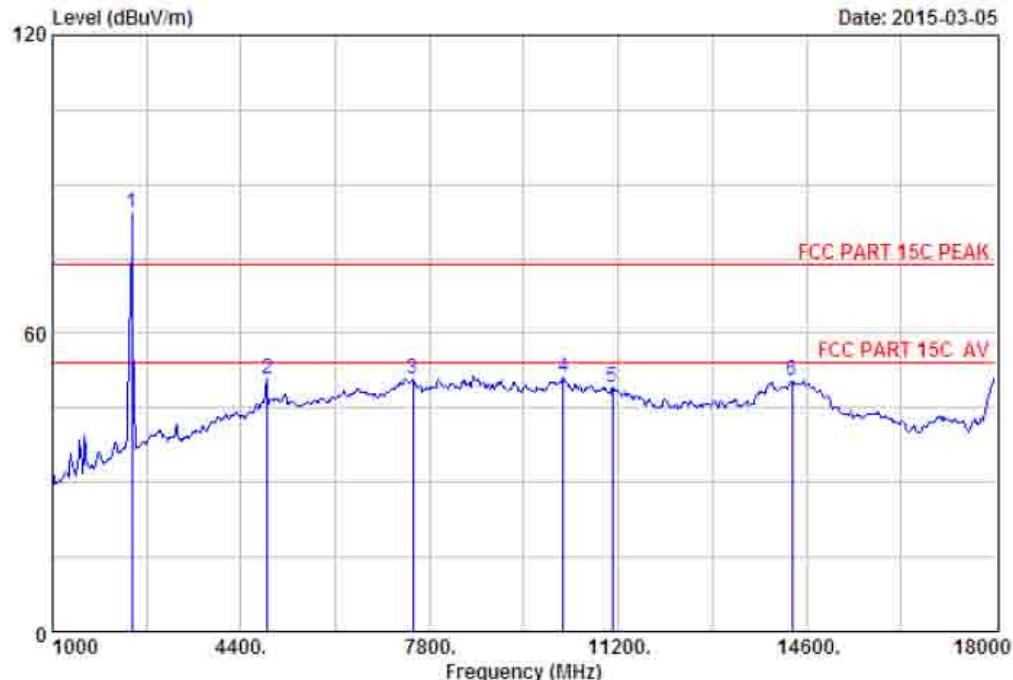
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 770
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

	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	2412.00	27.60	6.64	34.15	84.49	84.58	74.00	-10.58	Peak
2	4824.00	31.28	11.64	31.83	39.26	50.55	74.00	23.45	Peak
3	7239.00	36.53	11.55	32.07	34.76	50.77	74.00	23.23	Peak
4	8378.00	36.68	11.44	31.73	35.16	51.55	74.00	22.45	Peak
5	10248.00	38.53	11.45	32.24	36.25	53.99	74.00	20.01	Peak
6	14294.00	41.71	10.92	33.08	32.43	51.98	74.00	22.02	Peak

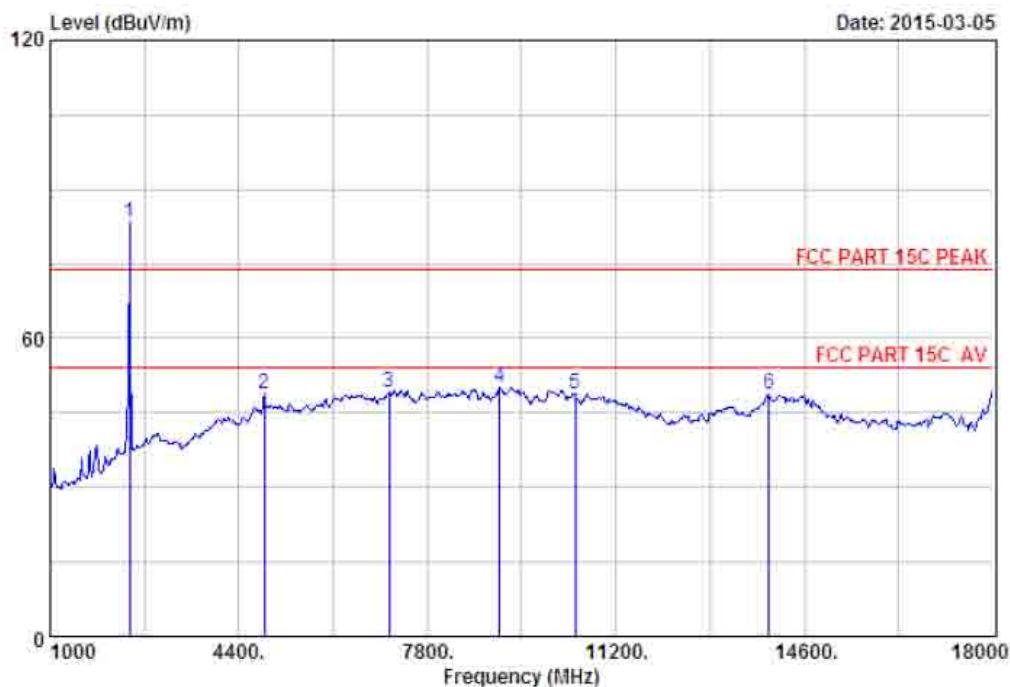
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 773
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6°C;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH6 2437TX

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 2437.00	27.60	6.67	34.12	84.13	84.28	74.00	-10.28	Peak
2 4874.00	31.37	12.07	31.90	39.13	50.67	74.00	23.33	Peak
3 7494.00	36.48	11.62	31.87	34.64	50.87	74.00	23.13	Peak
4 10214.00	38.48	11.47	32.17	33.28	51.06	74.00	22.94	Peak
5 11098.00	39.45	11.22	33.84	32.37	49.20	74.00	24.80	Peak
6 14328.00	41.74	10.92	32.98	30.96	50.64	74.00	23.36	Peak

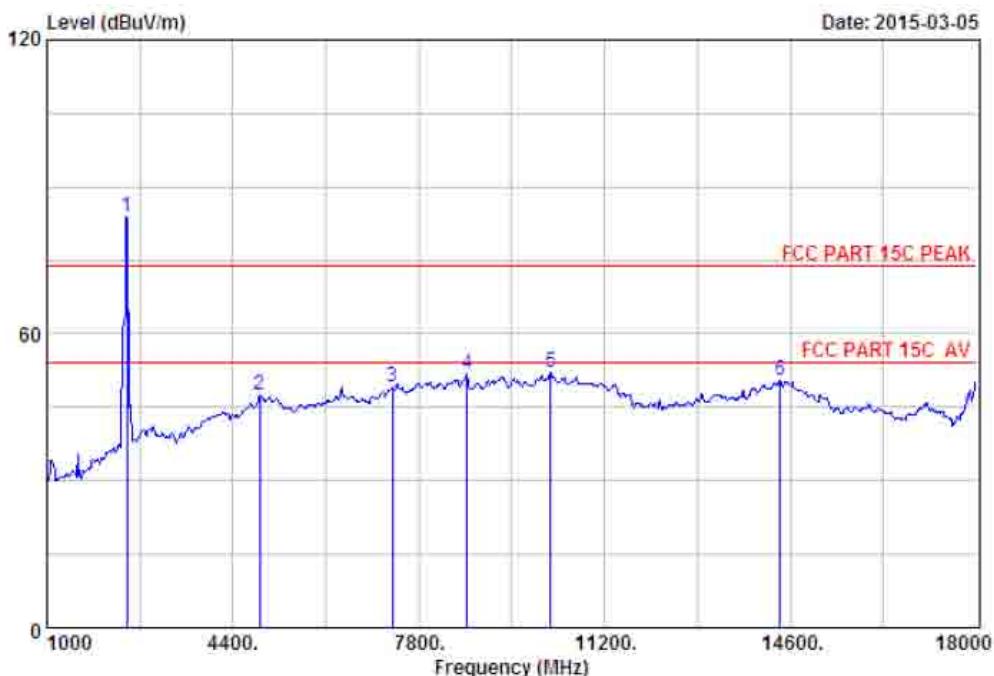
Remarks:
 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 774
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH6 2437IX

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 2437.00	27.60	6.67	34.12	83.24	83.39	74.00	-9.39	Peak
2 4859.00	31.34	11.99	31.88	37.39	48.84	74.00	25.16	Peak
3 7103.00	35.99	11.51	32.31	33.97	49.16	74.00	24.84	Peak
4 9109.00	37.59	11.51	32.42	33.61	50.29	74.00	23.71	Peak
5 10469.00	38.92	11.33	32.66	31.29	48.88	74.00	25.12	Peak
6 13954.00	41.35	10.96	34.13	30.73	48.91	74.00	25.09	Peak

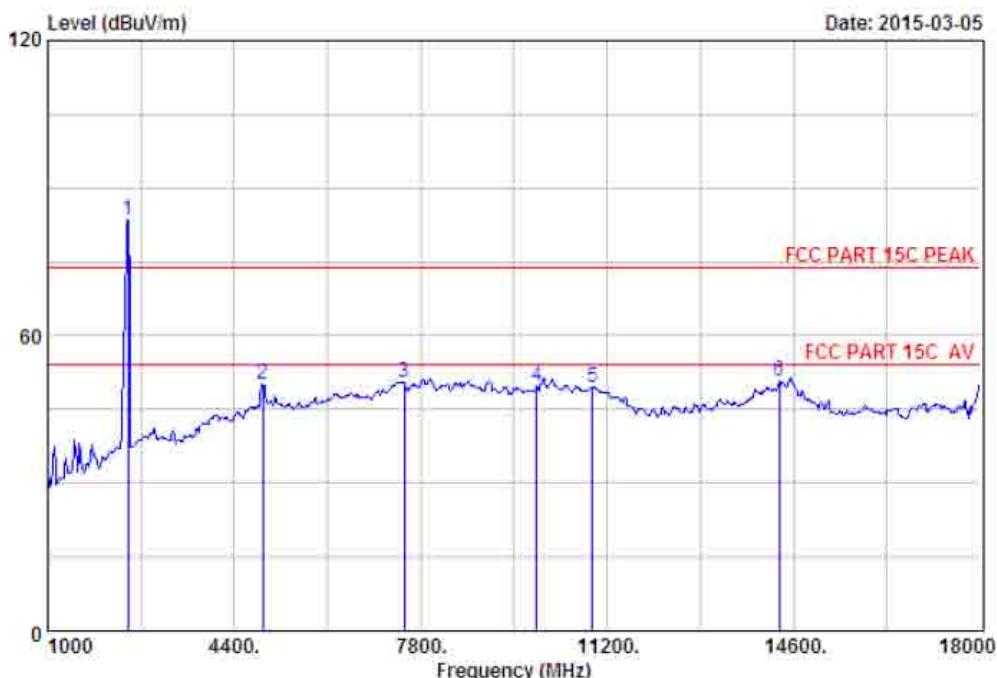
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 775
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

	Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.06	83.57	83.78	74.00	-9.78	Peak
2	4893.00	31.40	12.14	31.92	35.97	47.59	74.00	26.41	Peak
3	7324.00	36.55	11.57	31.99	32.95	49.08	74.00	24.92	Peak
4	8664.00	37.32	11.45	32.43	35.38	51.72	74.00	22.28	Peak
5	10214.00	38.48	11.47	32.17	34.24	52.02	74.00	21.98	Peak
6	14413.00	41.80	10.92	32.78	30.47	50.41	74.00	23.59	Peak

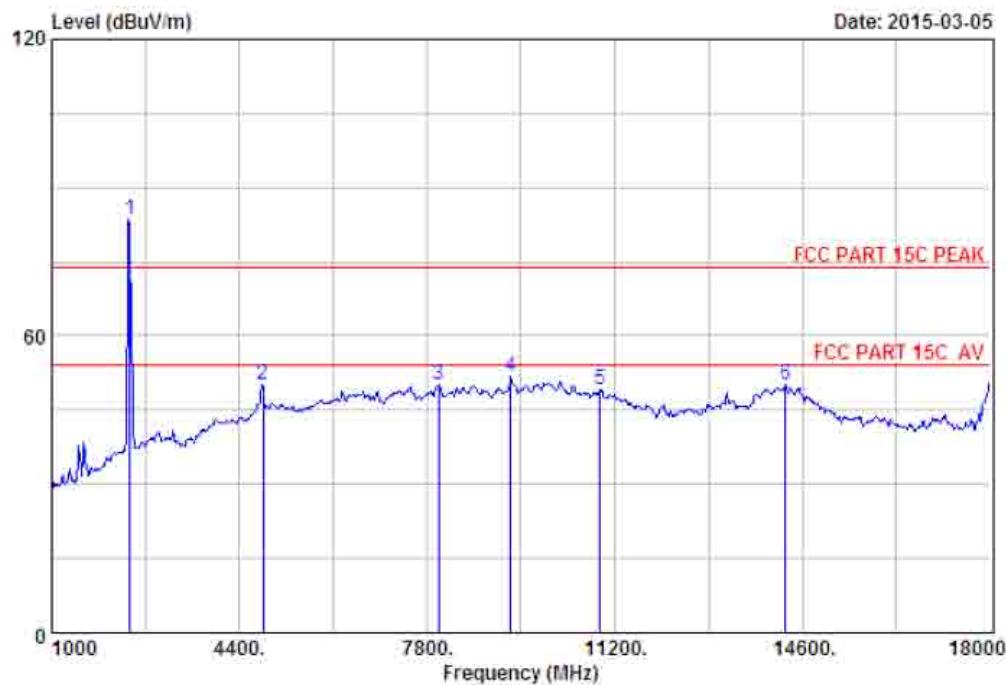
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 776
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

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 2462.00	27.58	6.69	34.06	83.32	83.53	74.00	-9.53	Peak
2 4924.00	31.45	12.29	31.95	38.19	49.98	74.00	24.02	Peak
3 7494.00	36.48	11.62	31.87	34.17	50.40	74.00	23.60	Peak
4 9908.00	38.14	11.61	31.76	31.67	49.66	74.00	24.34	Peak
5 10928.00	39.45	11.29	33.52	32.38	49.60	74.00	24.40	Peak
6 14328.00	41.74	10.92	32.98	30.97	50.65	74.00	23.35	Peak

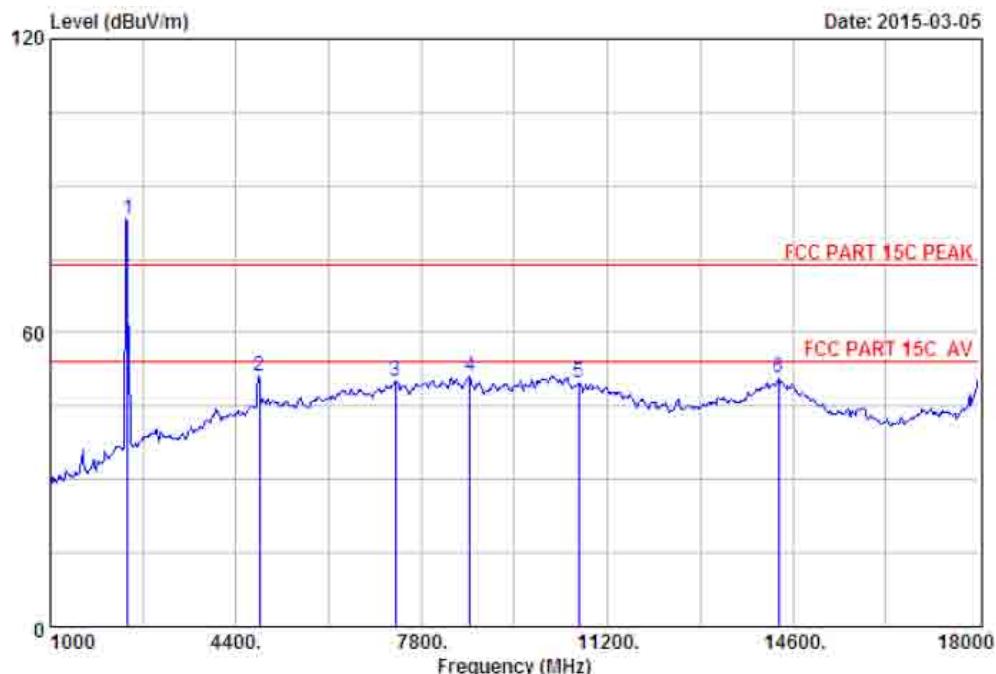
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 785
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 2412.00	27.60	6.64	34.15	83.37	83.46	74.00	-9.46	Peak
2 4824.00	31.28	11.84	31.83	38.82	50.11	74.00	23.89	Peak
3 8004.00	37.01	11.40	31.22	32.98	50.17	74.00	23.83	Peak
4 9313.00	37.94	11.62	32.15	34.40	51.81	74.00	22.19	Peak
5 10928.00	39.45	11.29	33.52	31.96	49.18	74.00	24.82	Peak
6 14294.00	41.71	10.92	33.08	30.52	50.07	74.00	23.93	Peak

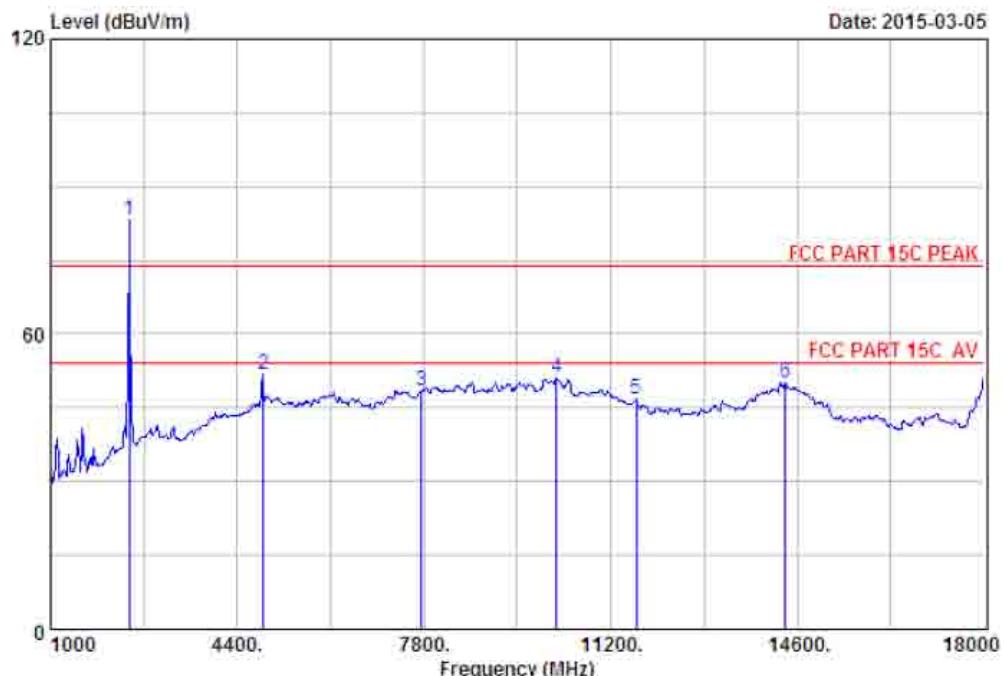
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 786
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
				(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2412.00	27.60	6.64	34.15	83.01	83.10	74.00	-9.10	Peak
2 4824.00	31.28	11.84	31.83	39.94	51.23	74.00	22.77	Peak
3 7324.00	36.55	11.57	31.99	33.94	50.07	74.00	23.93	Peak
4 8684.00	37.32	11.45	32.43	34.91	51.25	74.00	22.75	Peak
5 10673.00	39.17	11.30	33.04	32.42	49.55	74.00	24.15	Peak
6 14328.00	41.74	10.92	32.98	31.14	50.92	74.00	23.18	Peak

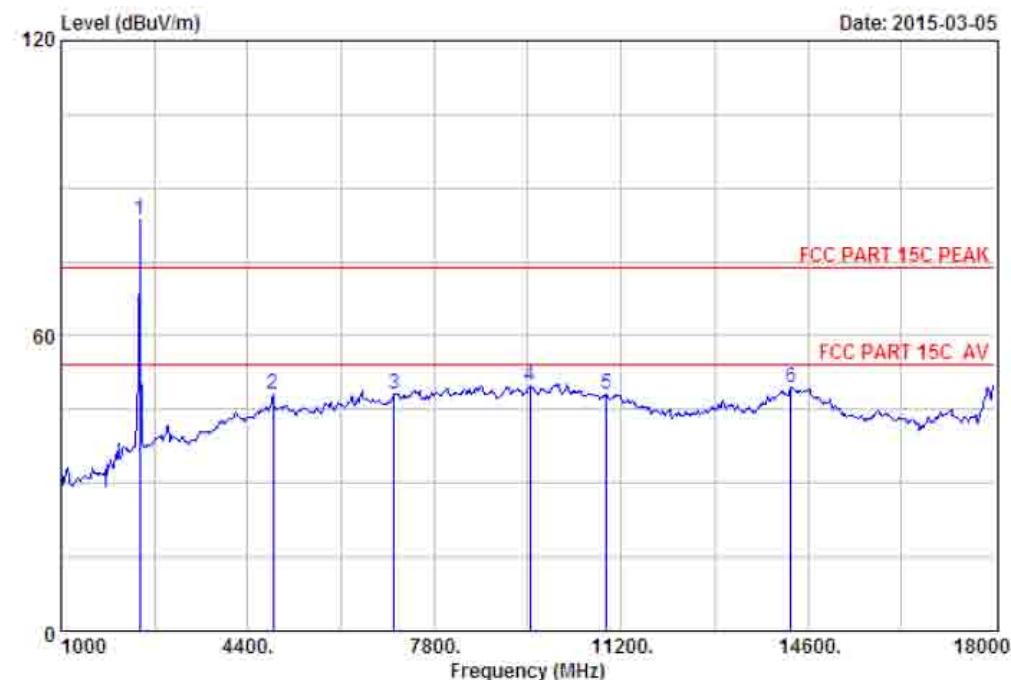
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 789
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH6 2437MHz

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 2437.00	27.60	6.67	34.12	82.97	83.12	74.00	-9.12	Peak
2 4874.00	31.37	12.07	31.90	40.11	51.65	74.00	22.35	Peak
3 7749.00	36.55	11.51	31.49	32.04	48.61	74.00	25.39	Peak
4 10214.00	38.48	11.47	32.17	33.33	51.11	74.00	22.89	Peak
5 11659.00	39.02	11.08	34.87	31.59	46.82	74.00	27.18	Peak
6 14379.00	41.77	10.92	32.88	30.39	50.20	74.00	23.80	Peak

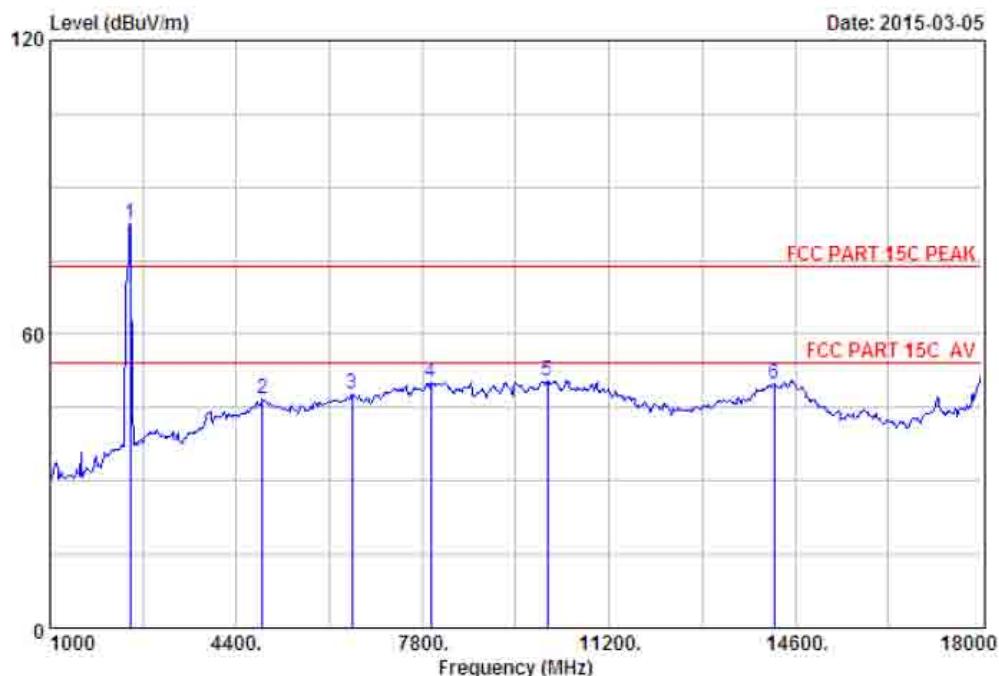
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 790
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH6 2437TX

Freq. (MHz)	Ant. Cable Amp			Emission				Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 2437.00	27.60	6.67	34.12	83.39	83.54	74.00	-9.54	Peak
2 4859.00	31.34	11.99	31.88	36.68	48.13	74.00	25.87	Peak
3 7069.00	35.81	11.50	32.36	33.30	48.25	74.00	25.75	Peak
4 9534.00	37.97	11.70	31.92	32.02	49.77	74.00	24.23	Peak
5 10928.00	39.45	11.29	33.52	30.93	48.15	74.00	25.85	Peak
6 14294.00	41.71	10.92	33.08	29.98	49.53	74.00	24.47	Peak

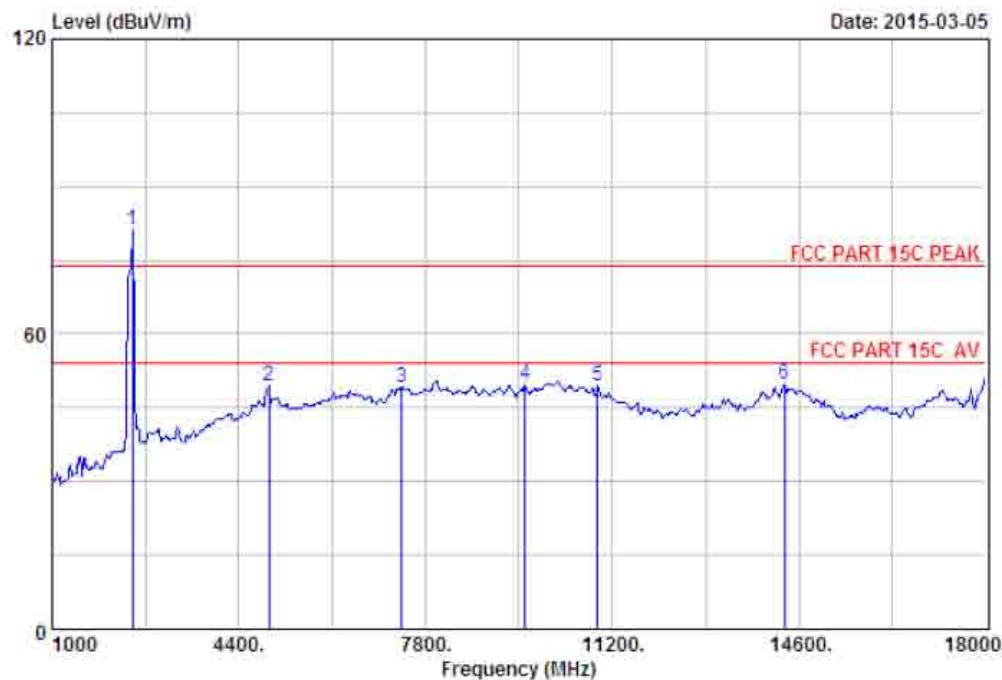
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 791
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 2462.00	27.58	6.69	34.06	82.23	82.44	74.00	-8.44	Peak
2 4876.00	31.37	12.07	31.90	35.14	46.68	74.00	27.32	Peak
3 6508.00	34.25	12.23	32.03	33.38	47.83	74.00	26.17	Peak
4 7953.00	36.91	11.42	31.26	32.95	50.02	74.00	23.98	Peak
5 10078.00	38.24	11.54	31.92	32.74	50.60	74.00	23.40	Peak
6 14209.00	41.64	10.91	33.34	30.65	49.86	74.00	24.14	Peak

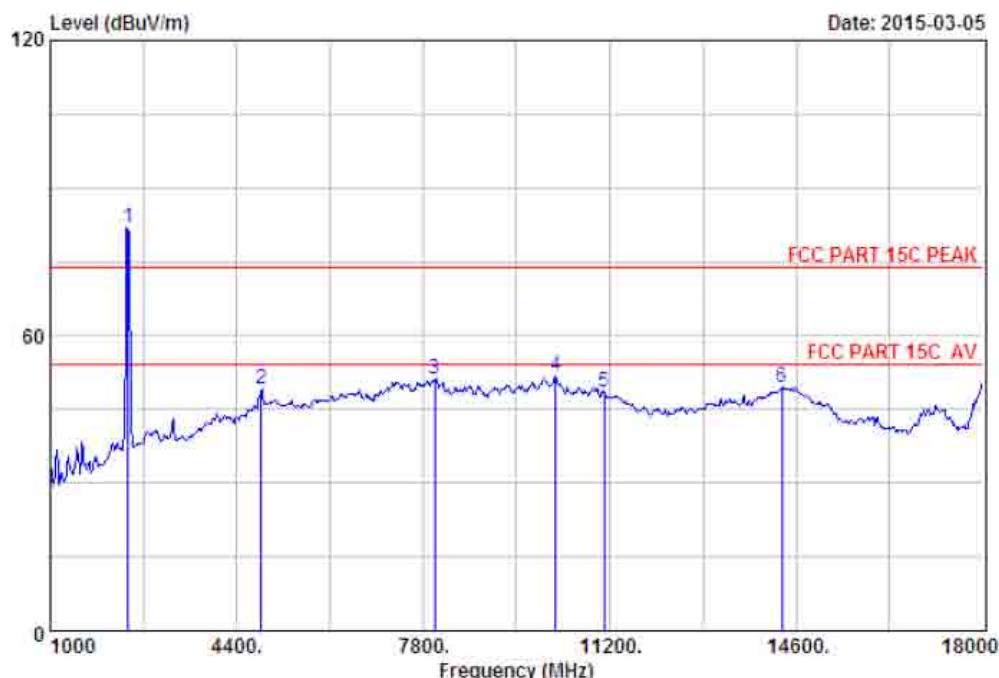
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 792
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 2462.00	27.58	6.69	34.06	81.12	81.33	74.00	-7.33	Peak
2 4944.00	31.47	12.37	31.96	37.50	49.38	74.00	24.62	Peak
3 7358.00	36.56	11.58	31.99	33.04	49.19	74.00	24.81	Peak
4 9619.00	37.93	11.68	31.92	32.24	49.93	74.00	24.07	Peak
5 10928.00	39.45	11.29	33.52	32.14	49.36	74.00	24.64	Peak
6 14328.00	41.74	10.92	32.98	29.99	49.67	74.00	24.33	Peak

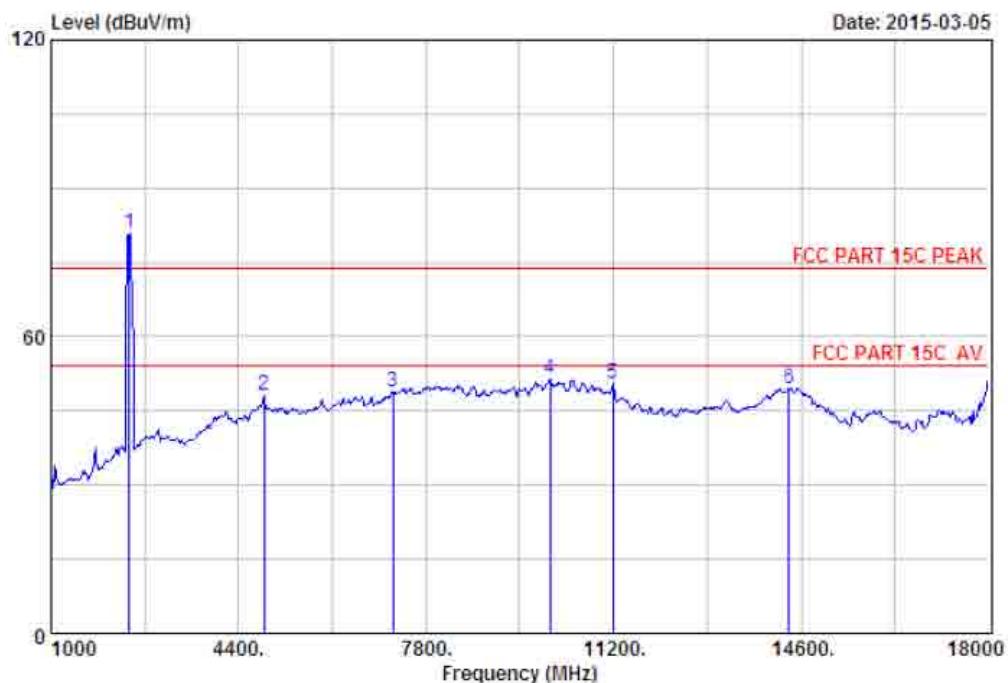
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 801
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 2422.00	27.60	6.66	34.15	81.66	81.77	74.00	-7.77	Peak
2 4844.00	31.31	11.92	31.85	37.84	49.22	74.00	24.78	Peak
3 8004.00	37.01	11.40	31.22	33.90	51.09	74.00	22.91	Peak
4 10214.00	36.48	11.47	32.17	34.11	51.89	74.00	22.11	Peak
5 11098.00	39.45	11.22	33.84	31.55	48.38	74.00	25.62	Peak
6 14328.00	41.74	10.92	32.98	29.84	49.52	74.00	24.48	Peak

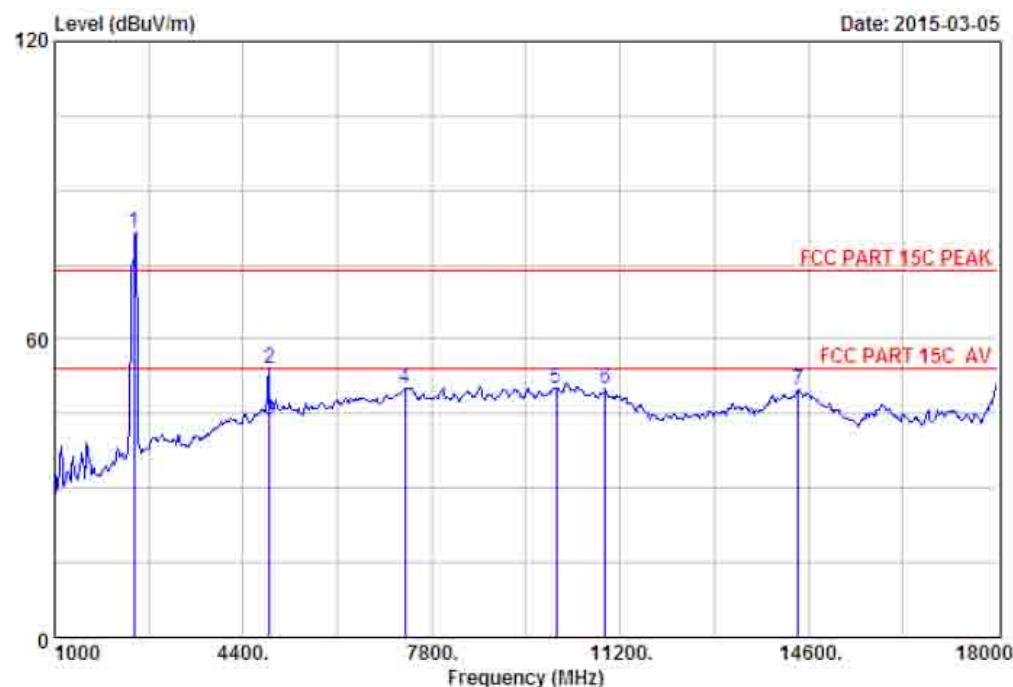
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 802
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 2422.00	27.60	6.66	34.15	80.63	80.74	74.00	-6.74	Peak
2 4859.00	31.34	11.99	31.88	36.60	48.05	74.00	25.95	Peak
3 7205.00	36.52	11.54	32.11	32.83	48.78	74.00	25.22	Peak
4 10044.00	38.18	11.56	31.85	33.53	51.42	74.00	22.58	Peak
5 111183.00	39.40	11.15	34.00	33.94	50.49	74.00	23.51	Peak
6 14379.00	41.77	10.92	32.88	29.80	49.61	74.00	24.39	Peak

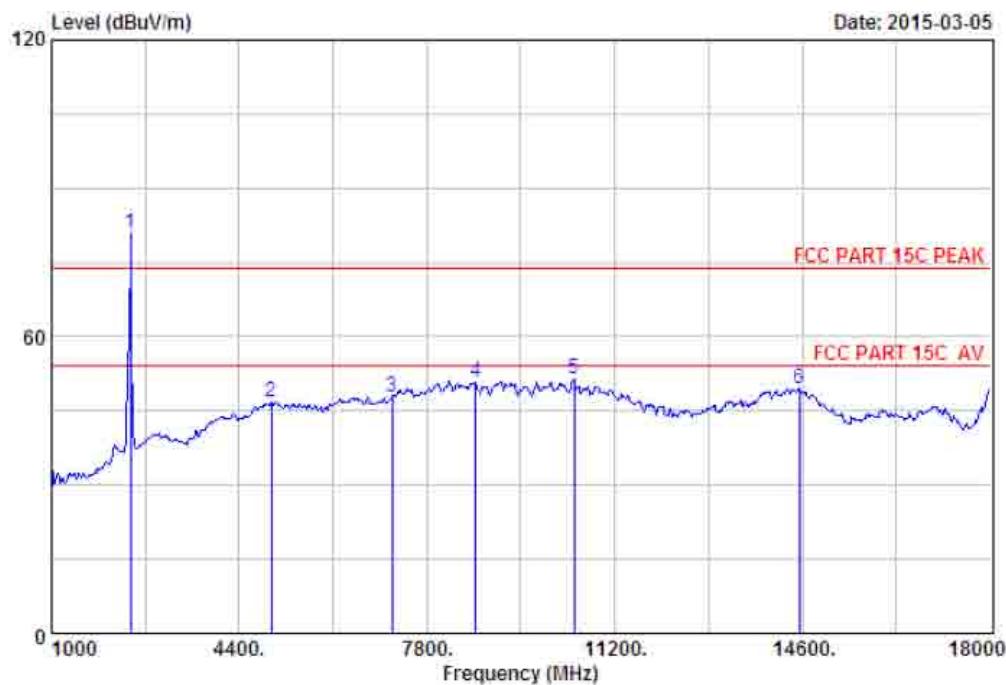
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 805
 Dis. / Ant. : 3m ANT 1-16G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC SV From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH4 2437IX

	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	2437.00	27.60	6.67	34.12	81.25	81.40	74.00	-7.40	Peak
2	4874.00	31.37	12.07	31.90	42.56	54.10	74.00	19.90	Peak
3	4874.00	31.37	12.07	31.90	32.12	43.66	54.00	10.34	Average
4	7324.00	36.55	11.57	31.99	33.93	50.06	74.00	23.94	Peak
5	10044.00	38.18	11.56	31.85	32.38	50.27	74.00	23.73	Peak
6	10926.00	39.45	11.29	33.52	32.76	49.98	74.00	24.02	Peak
7	14413.00	41.80	10.92	32.78	30.01	49.95	74.00	24.05	Peak

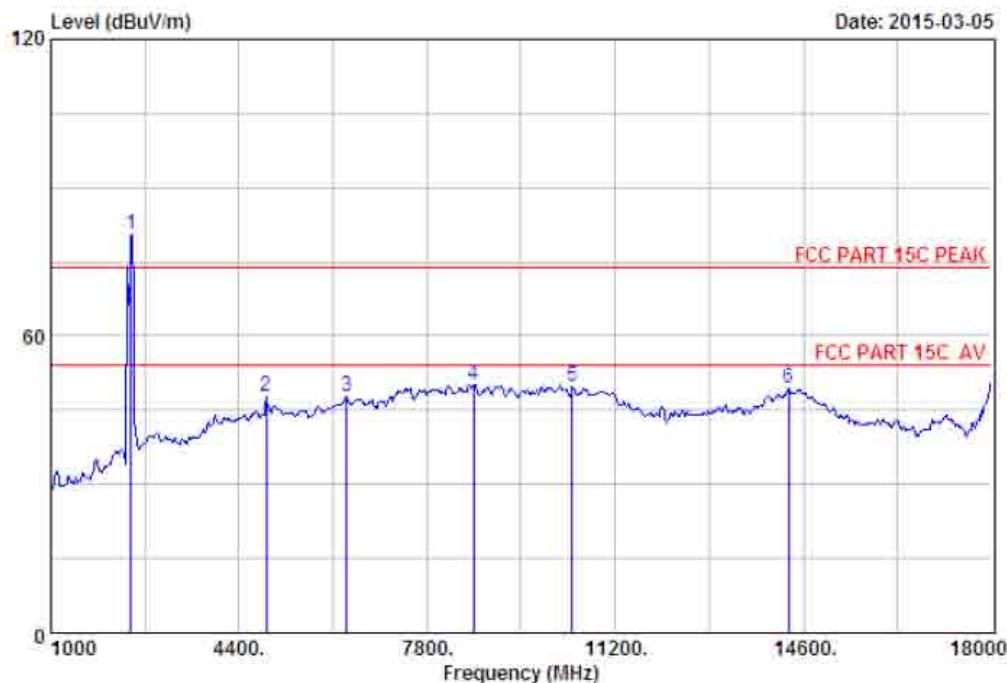
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 806
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH4 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
1 2437.00	27.60	6.67	34.12	80.82	80.97	74.00	-6.97	Peak
2 4978.00	31.52	12.52	31.99	34.87	46.92	74.00	27.08	Peak
3 7171.00	36.34	11.53	32.18	32.15	47.84	74.00	26.16	Peak
4 8684.00	37.32	11.45	32.43	34.48	50.82	74.00	23.18	Peak
5 10469.00	38.92	11.33	32.66	33.73	51.32	74.00	22.68	Peak
6 14549.00	41.77	10.92	33.26	30.13	49.56	74.00	24.44	Peak

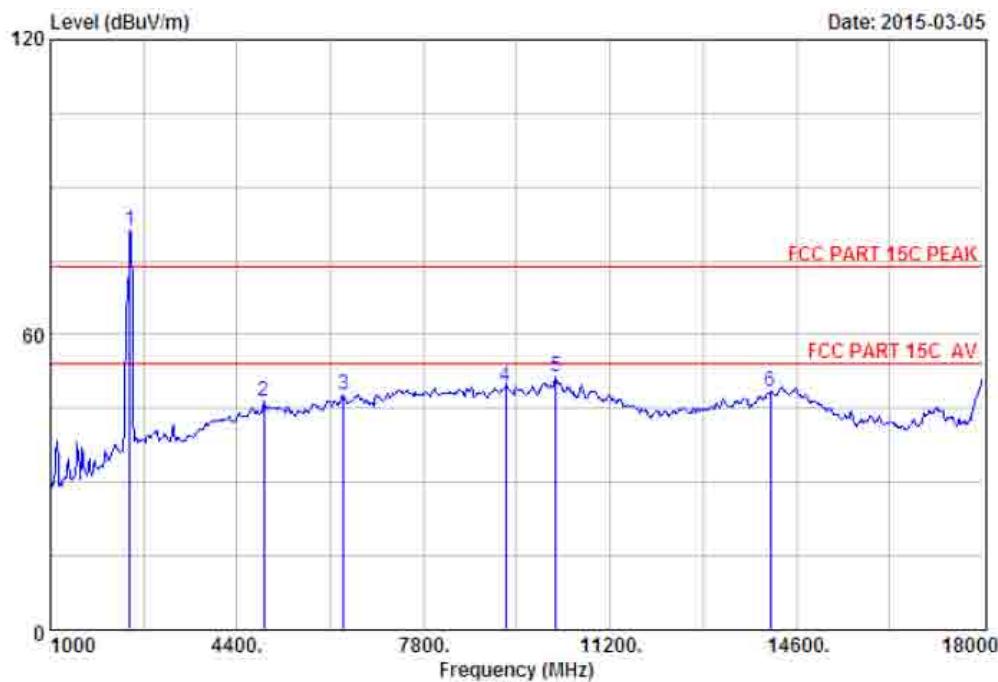
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 807
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2452.00	27.59	6.67	34.09	80.31	80.48	74.00	-6.48	Peak
2 4893.00	31.40	12.14	31.92	36.08	47.70	74.00	26.30	Peak
3 6338.00	33.74	12.19	31.92	33.63	47.64	74.00	26.36	Peak
4 8633.00	37.24	11.45	32.31	33.90	50.28	74.00	23.72	Peak
5 10418.00	38.83	11.36	32.56	32.10	49.73	74.00	24.27	Peak
6 14528.00	41.74	10.92	32.98	29.69	49.37	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.

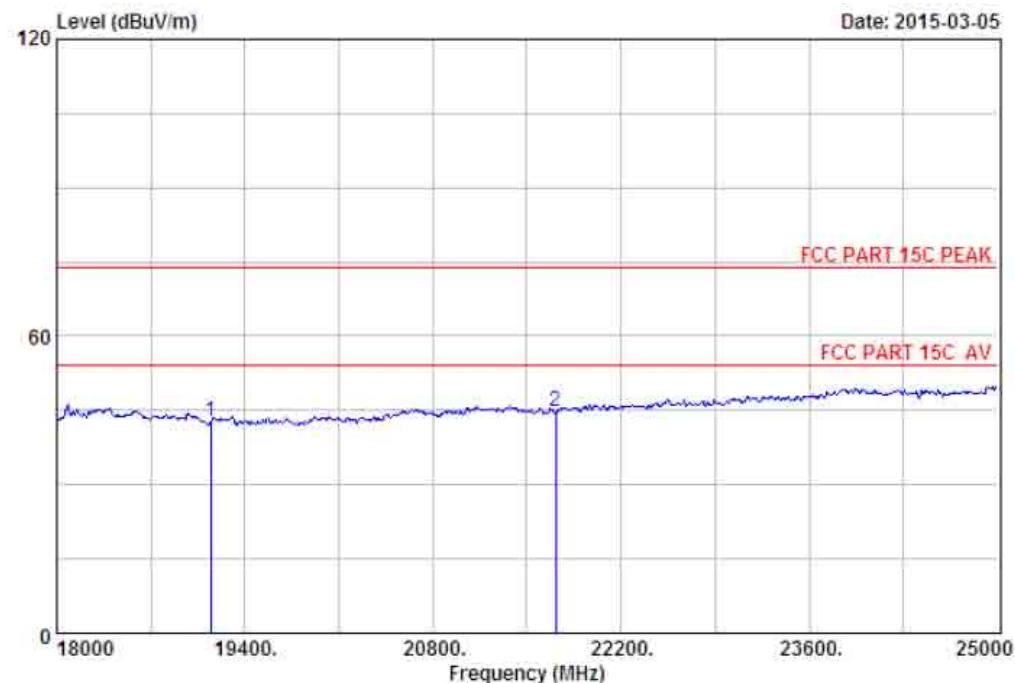


Site no. : 3m Chamber Data no. : 808
 Dis. / Ant. : 3m ANT 1-16G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits			
1 2452.00	27.59	6.67	34.09	81.01	81.18	74.00	-7.18		Peak
2 4893.00	31.40	12.14	31.92	34.79	46.41	74.00	27.59		Peak
3 6338.00	33.74	12.19	31.92	33.77	47.78	74.00	26.22		Peak
4 9296.00	37.91	11.61	32.18	32.20	49.54	74.00	24.46		Peak
5 10214.00	38.48	11.47	32.17	33.61	51.39	74.00	22.61		Peak
6 14124.00	41.57	10.91	33.59	29.48	48.37	74.00	25.63		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.

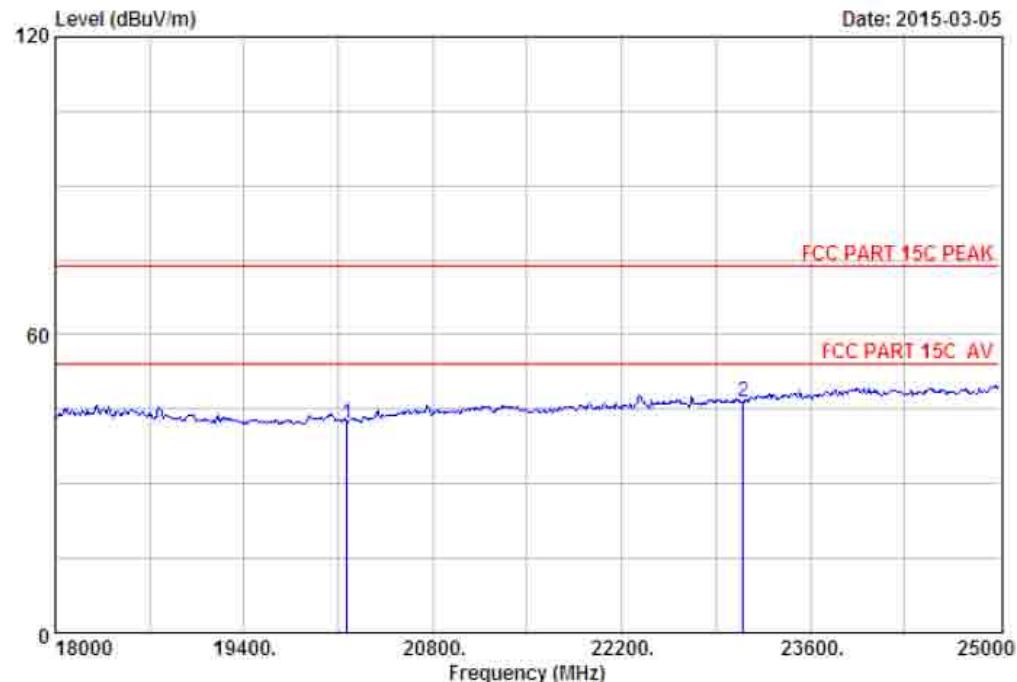
18000-25000 MHz



Site no. : 3m Chamber Data no. : 763
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 19148.00	45.55	18.71	35.98	14.49	42.77	74.00	31.23	Peak
2 21710.00	45.87	20.44	35.17	13.50	44.64	74.00	29.36	Peak

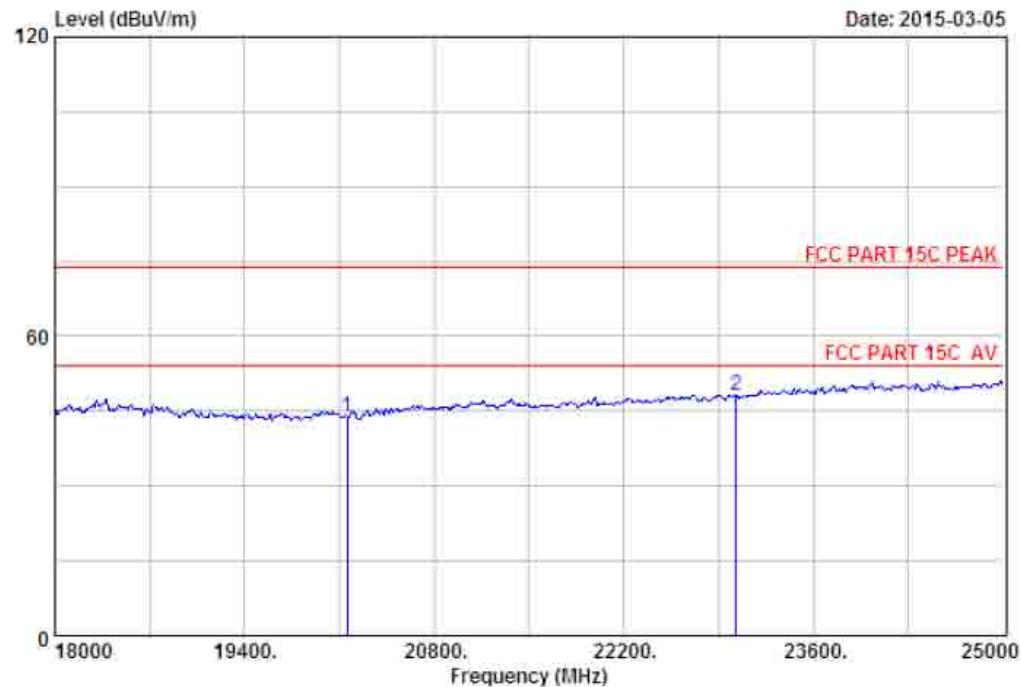
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 764
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission					Remark
				Reading	Level	Limits	Margin		
1 20163.00	46.07	19.75	36.54	12.93	42.21	74.00	31.79	Peak	
2 23103.00	45.62	21.24	33.74	13.48	46.60	74.00	27.40	Peak	

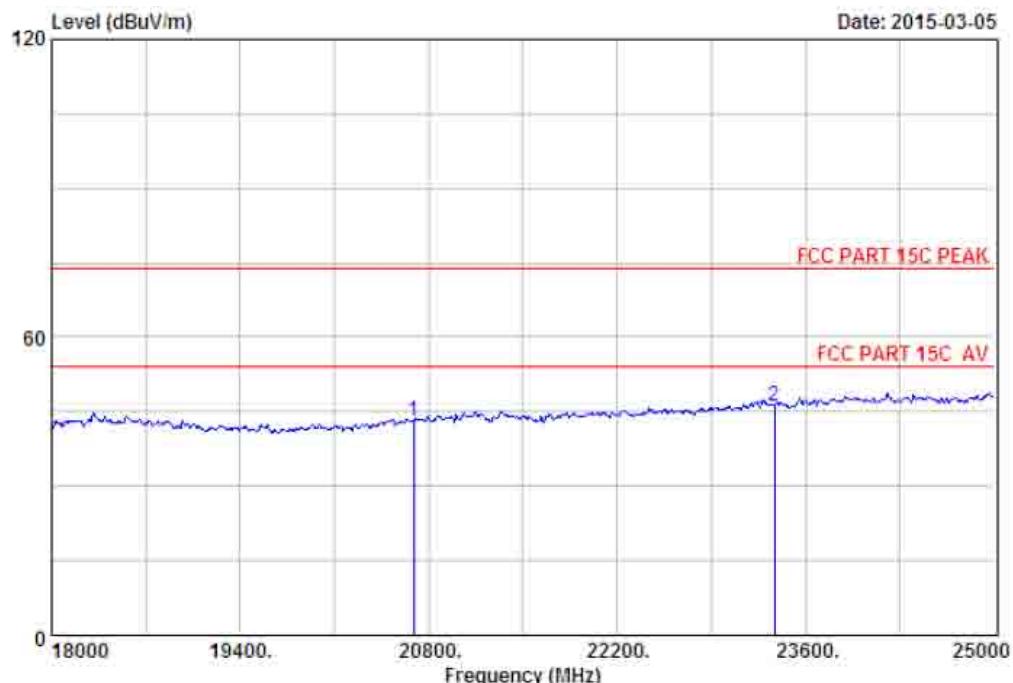
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 765
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH6 2437TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 20156.00	46.07	19.75	36.57	14.47	43.72	74.00	30.28	Peak	
2 23026.00	45.60	21.17	33.82	15.14	48.09	74.00	25.91	Peak	

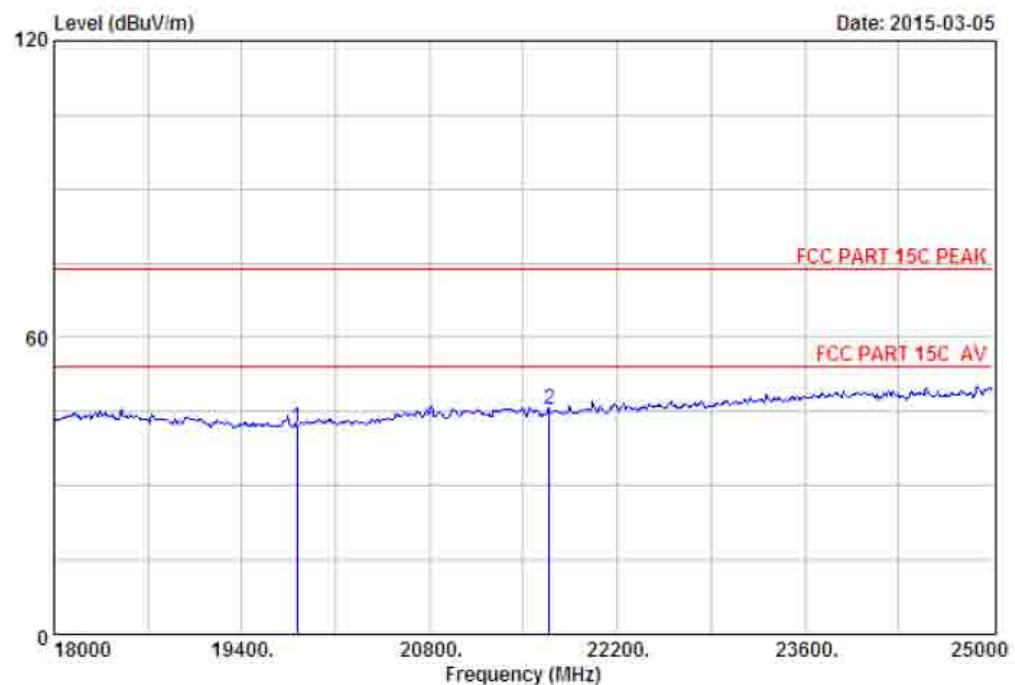
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 766
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH6 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20688.00	46.11	19.99	36.07	13.26	43.29	74.00	30.71	Peak
2 23369.00	45.67	21.48	33.46	12.60	46.29	74.00	27.71	Peak

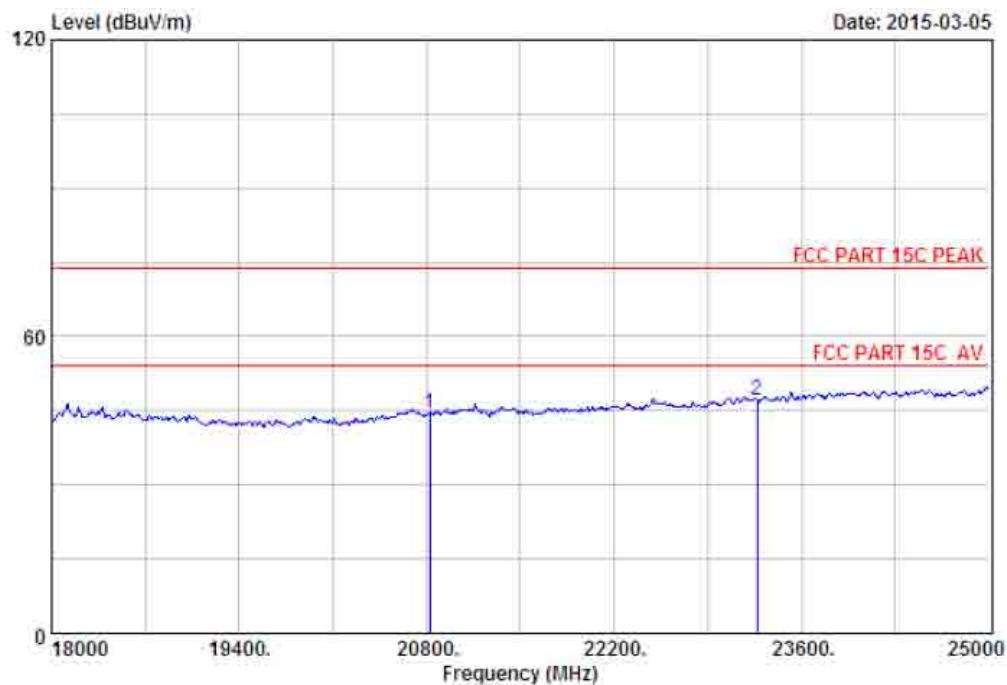
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 767
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin	Remark
				Reading	Level	Limits	(dBuV/m)		
1 19813.00	46.02	19.46	36.55	12.91	41.84	74.00	32.16	Peak	
2 21696.00	45.88	20.43	35.17	14.19	45.33	74.00	28.67	Peak	

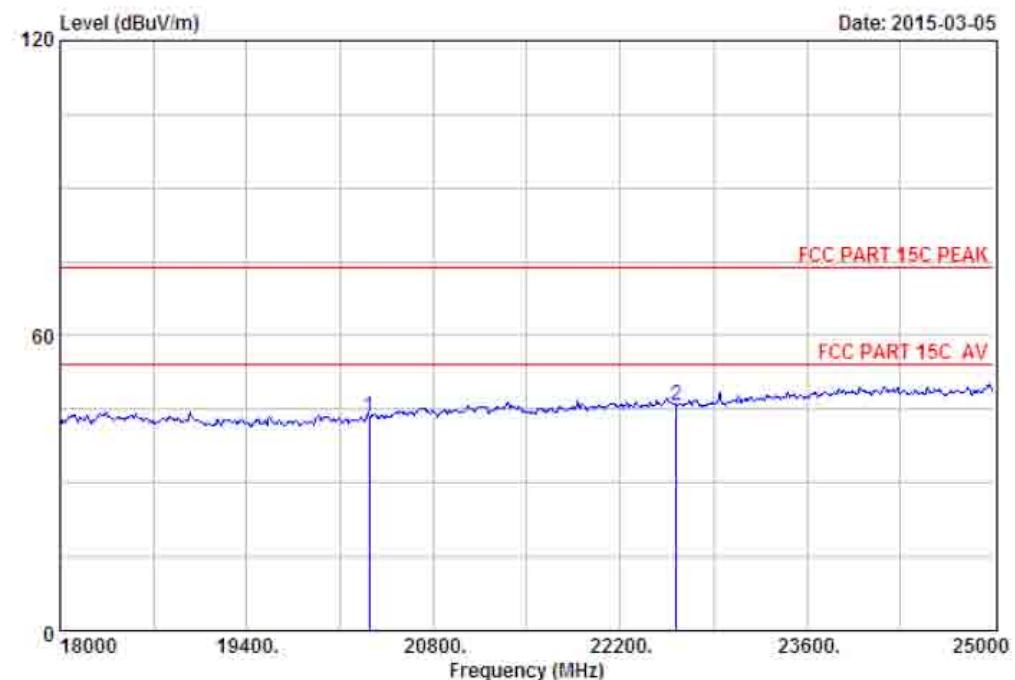
Remarks: 1. Emission level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 768
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20821.00	46.19	20.05	35.96	14.24	44.52	74.00	29.48	Peak
2 23271.00	45.66	21.39	33.56	13.72	47.21	74.00	26.79	Peak

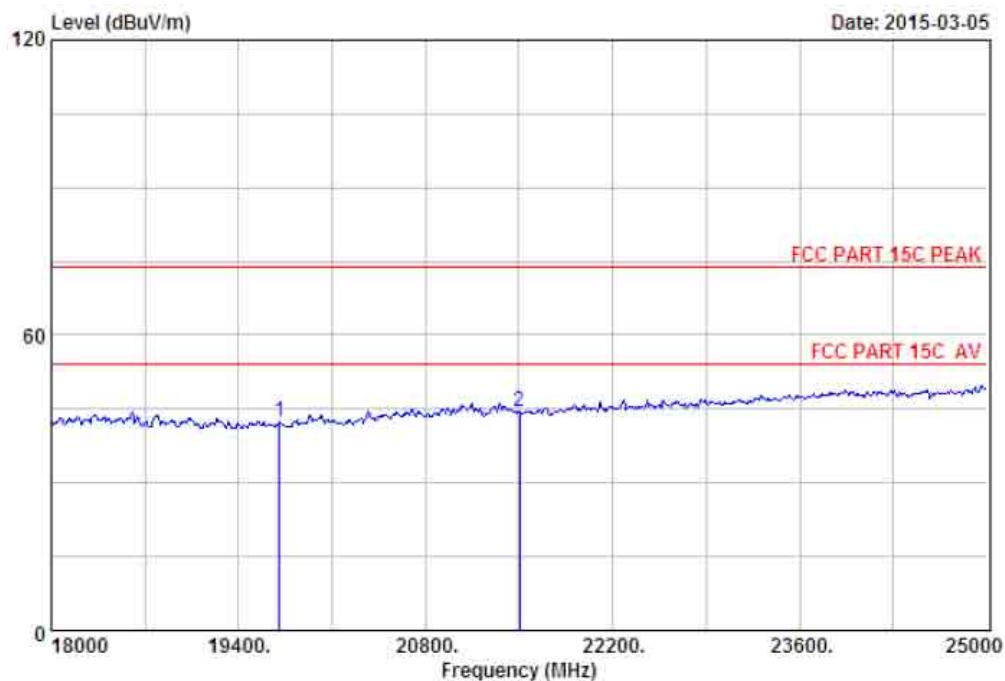
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 779
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

Freq. (MHz)	Ant. Cable Amp			Emission				Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 20317.00	46.04	19.82	36.41	14.14	43.59	74.00	30.41	Peak
2 22620.00	45.75	20.92	34.24	13.53	45.96	74.00	28.04	Peak

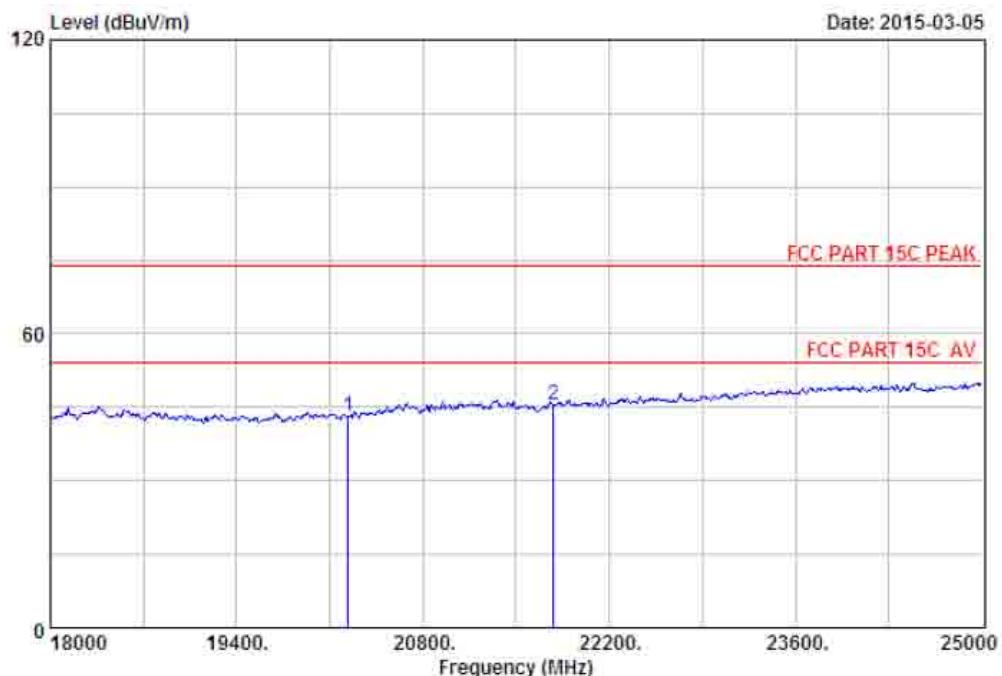
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 780
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
				(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 19708.00	45.99	19.35	36.44	13.51	42.41	74.00	31.59	Peak
2 21500.00	46.00	20.35	35.35	13.44	44.44	74.00	29.56	Peak

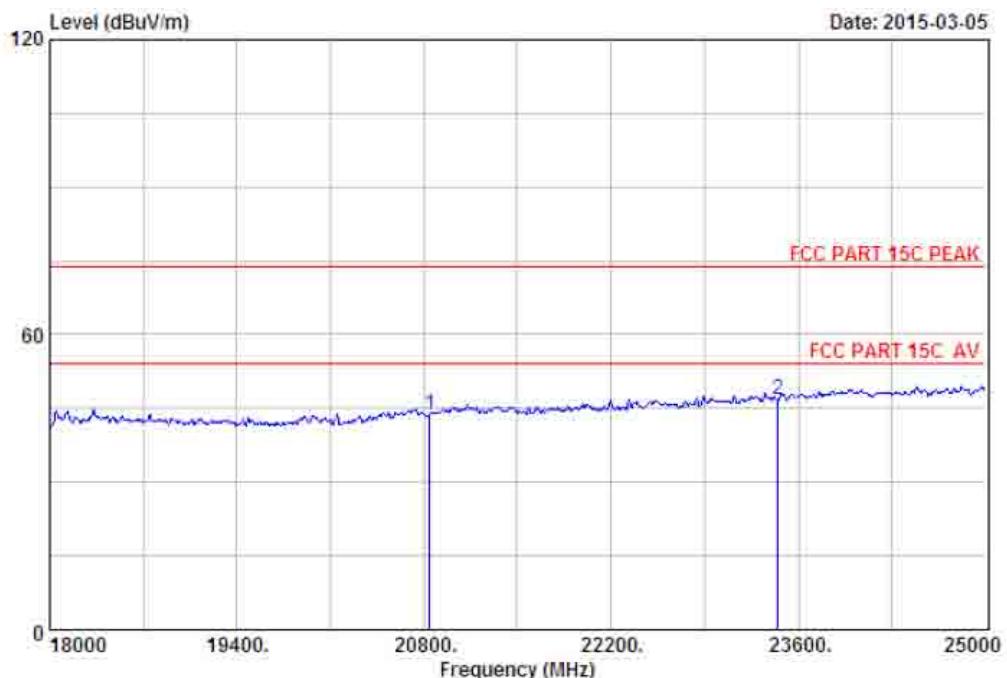
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 781
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6°C;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH6 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20240.00	46.05	19.79	36.48	13.66	43.02	74.00	30.98	Peak
2 21780.00	45.83	20.47	35.10	14.22	45.42	74.00	28.58	Peak

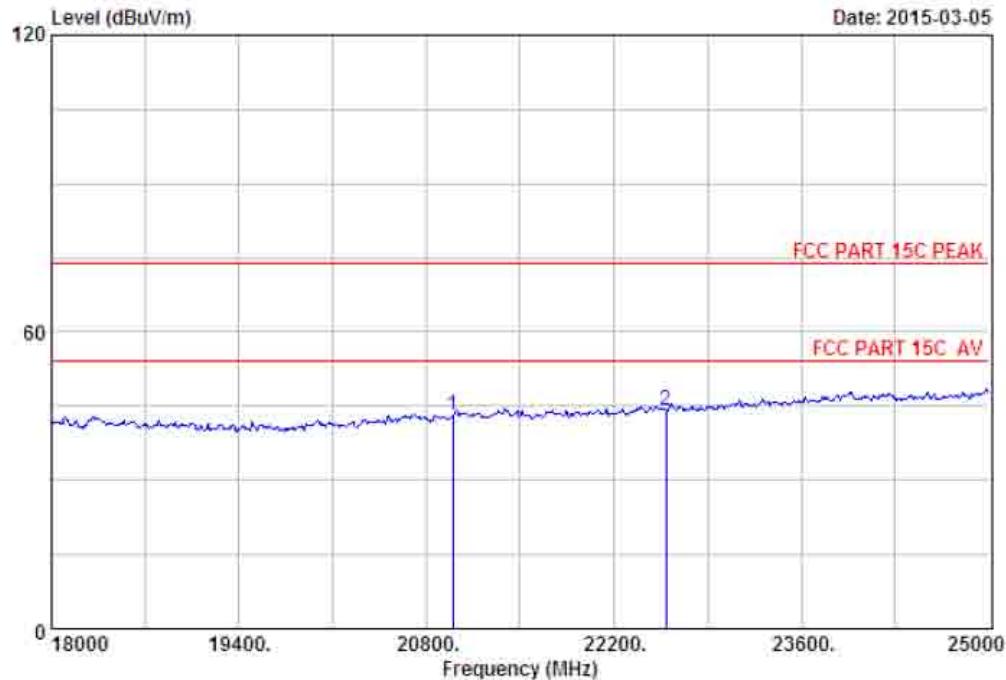
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 782
 Dis. / Ant. : 3m ANT ABVOE 16G Ant. poi. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11g CH6 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20842.00	46.20	20.06	35.94	13.52	43.84	74.00	30.16	Peak
2 23446.00	45.69	21.55	33.38	12.83	46.69	74.00	27.31	Peak

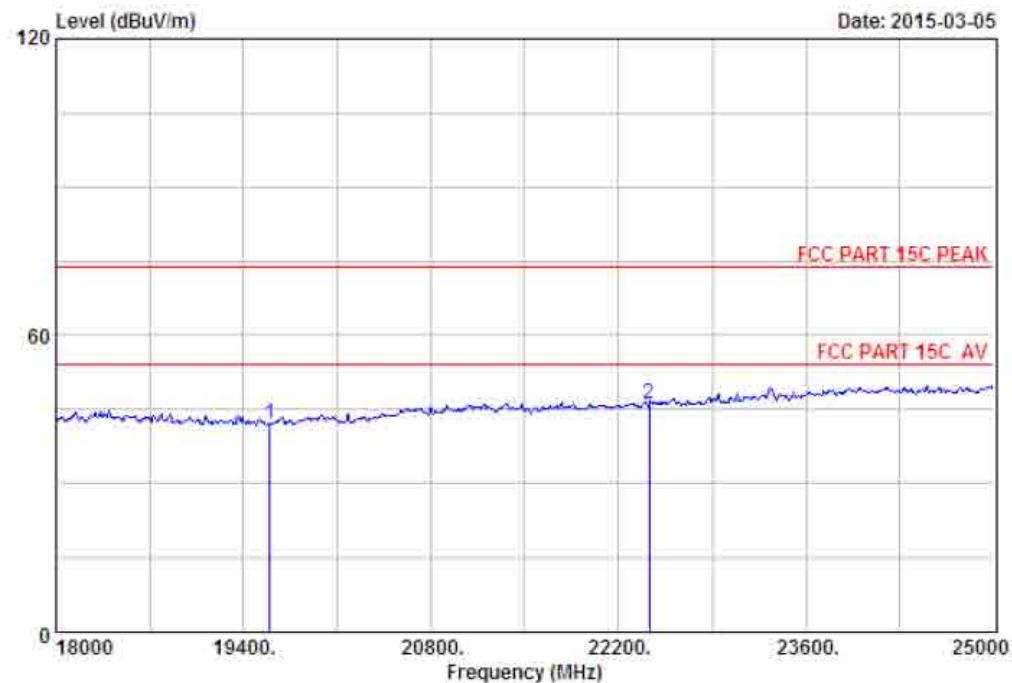
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : Sm Chamber Data no. : 763
 Dis. / Ant. : Sm ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin	Remark
				Reading	Level	Limits	(dBuV/m)		
1 20996.00	46.90	20.13	35.80	12.43	43.06	74.00	30.94	Peak	
2 22592.00	45.76	20.91	34.27	11.84	44.24	74.00	29.76	Peak	

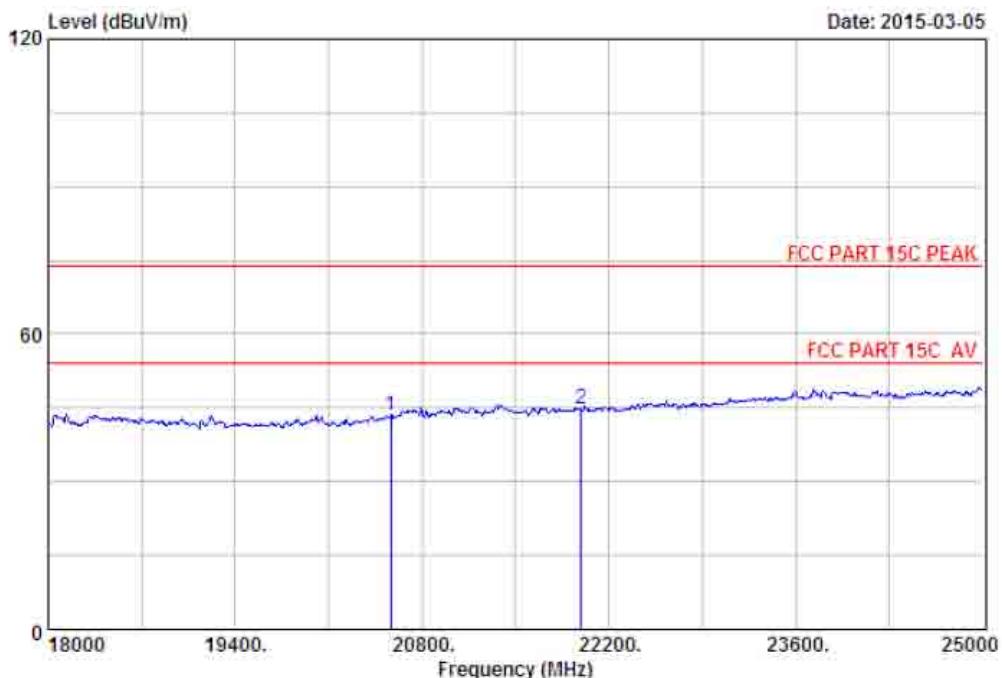
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 784
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits			
1 19596.00	45.94	19.22	36.36	13.38	42.18	74.00	31.82		Peak
2 22431.00	45.78	20.81	34.45	13.89	46.03	74.00	27.97		Peak

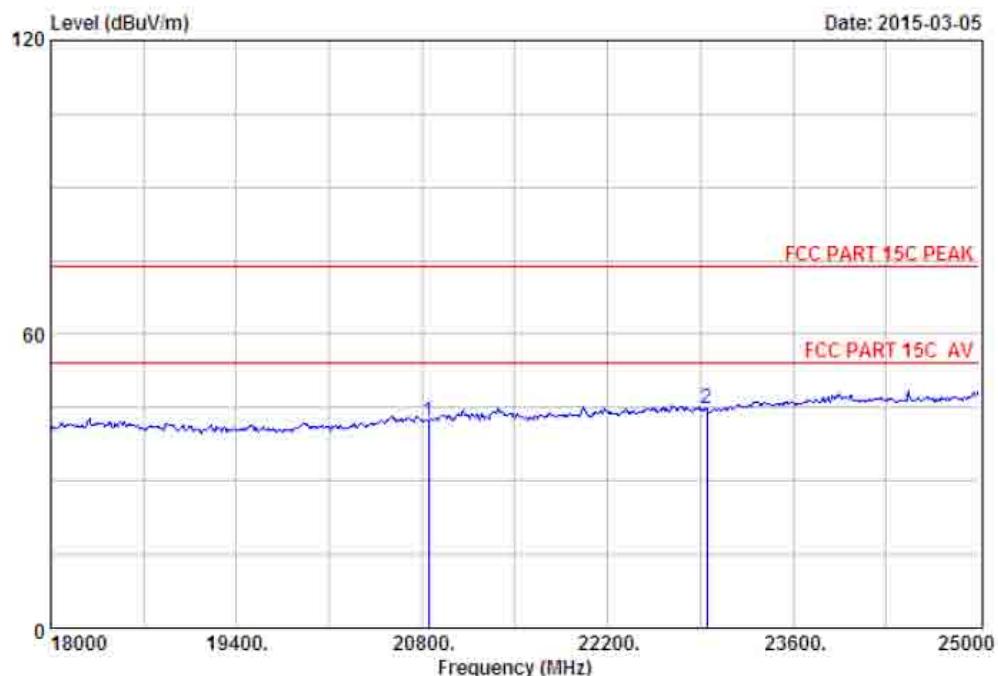
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 795
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits	(dBuV/m)		
1 20562.00	46.03	19.94	36.21	13.81	43.57	74.00	30.43	Peak	
2 21990.00	45.71	20.56	34.90	13.31	44.68	74.00	29.32	Peak	

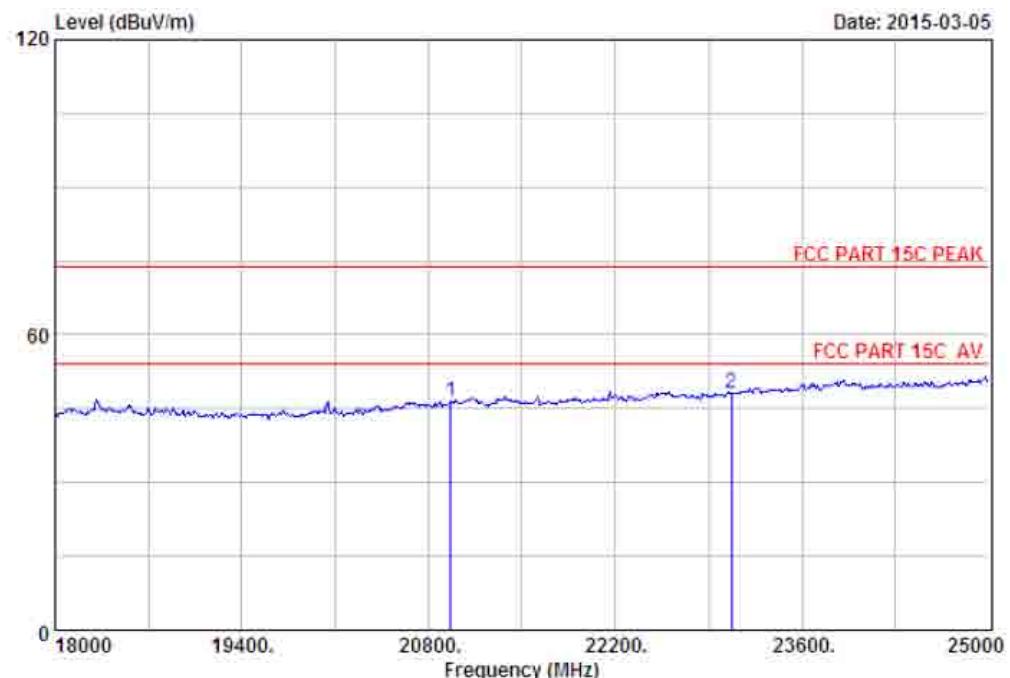
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 796
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission			
				Reading	Level	Limits	Margin
				(dBuV)	(dBuV/m)	(dBuV/m)	(dB)
1 20849.00	46.22	20.07	35.94	11.87	42.22	74.00	31.78 Peak
2 22949.00	45.62	21.12	33.90	11.90	44.74	74.00	29.26 Peak

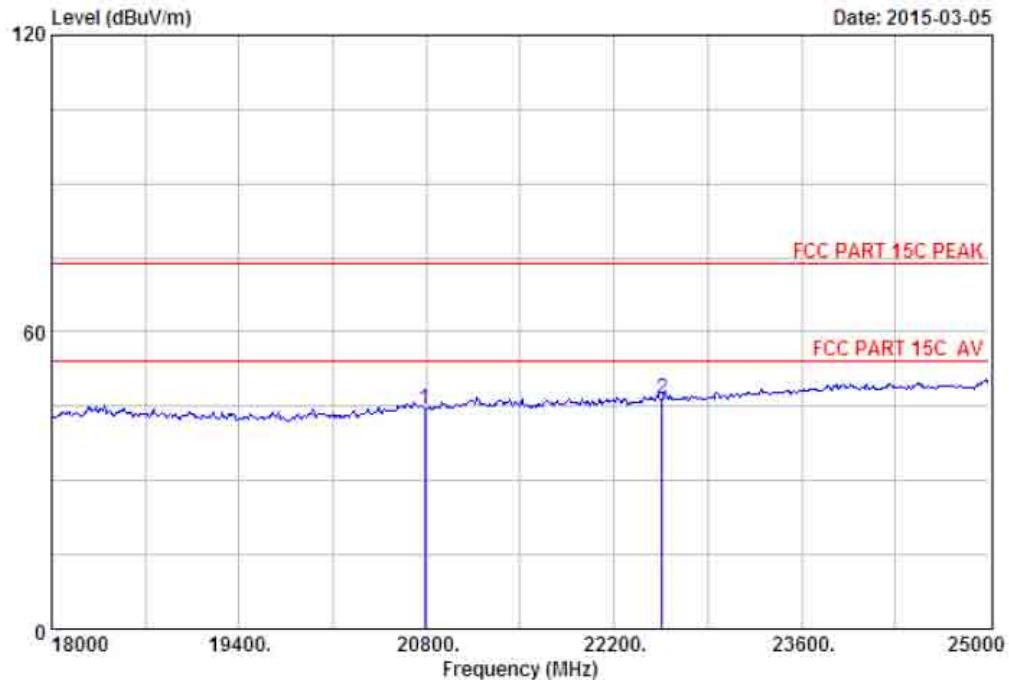
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 797
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. poi. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH6 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20968.00	46.29	20.12	35.82	15.94	46.53	74.00	27.47	Peak
2 23068.00	45.61	21.21	33.77	14.99	48.04	74.00	25.96	Peak

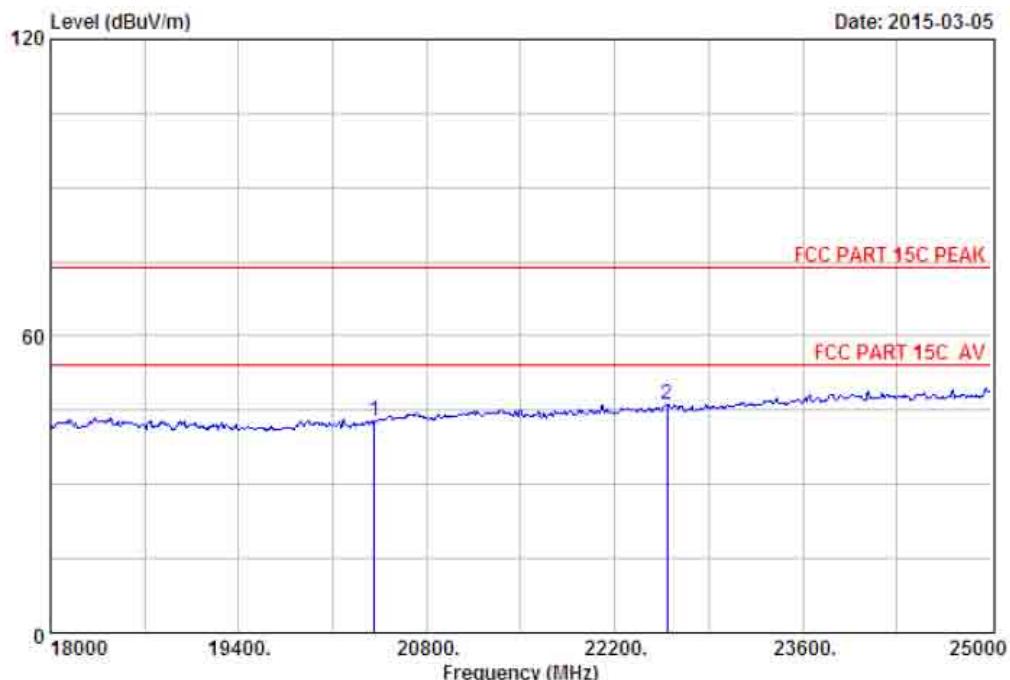
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 798
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH6 2437TX

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 20786.00	46.18	20.04	36.00	14.18	44.40	74.00	29.60	Peak
2 22557.00	45.78	20.89	34.32	14.05	46.40	74.00	27.60	Peak

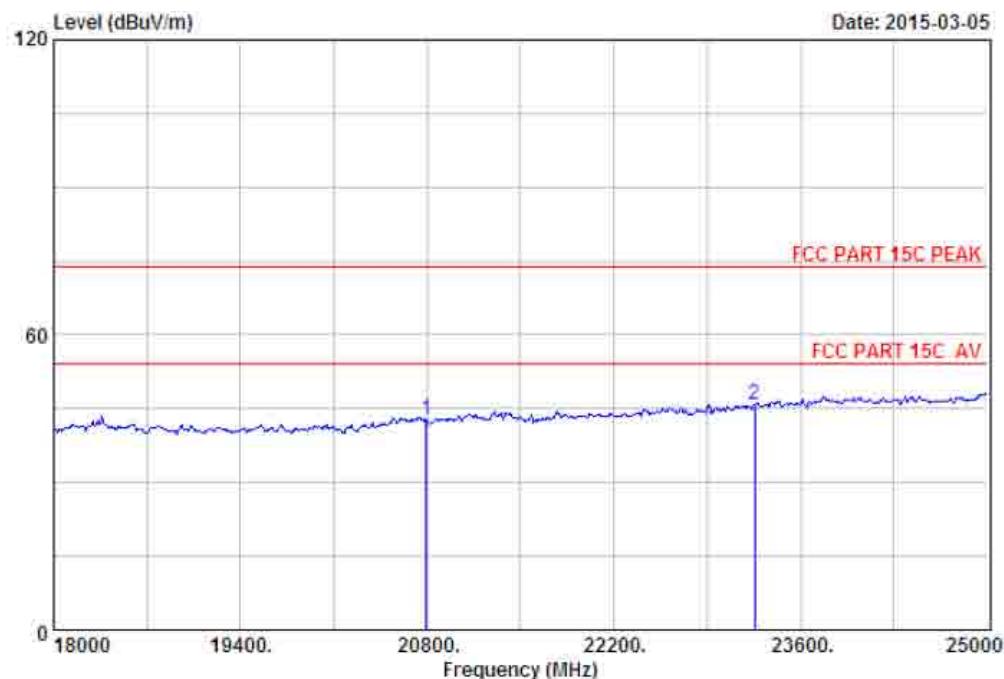
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 799
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20408.00	46.02	19.87	36.34	13.35	42.90	74.00	31.10	Peak
2 22592.00	45.76	20.91	34.27	13.67	46.07	74.00	27.93	Peak

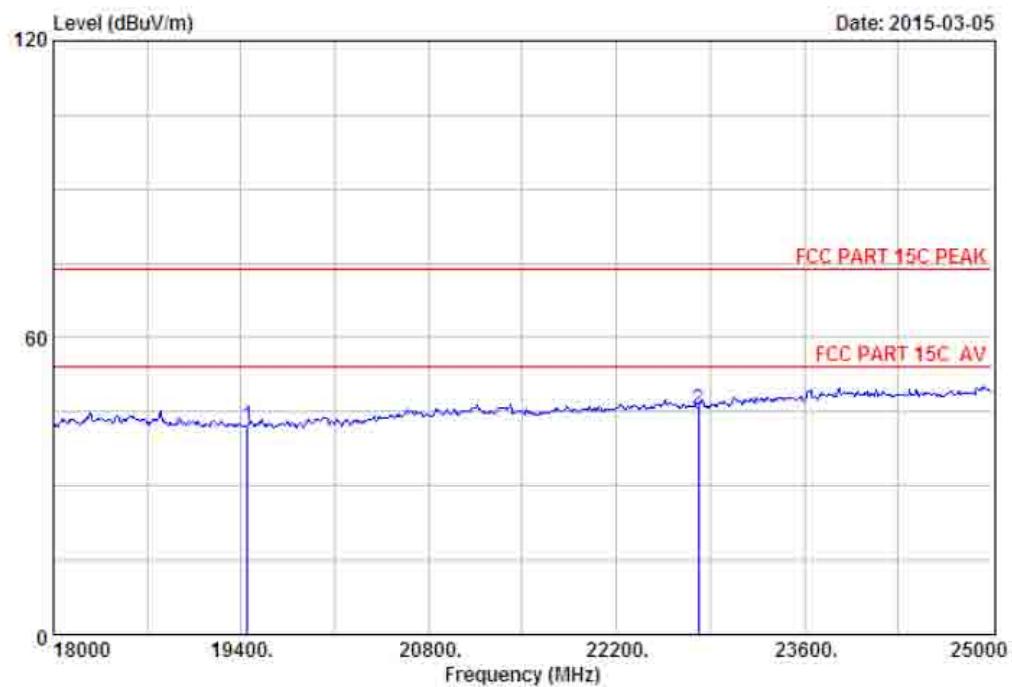
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 800
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission			
				Reading	Level	Limits	Margin
	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dB)	Remark
1 20793.00	46.18	20.04	35.98	12.54	42.78	74.00	31.22 Peak
2 23257.00	45.65	21.38	33.59	12.37	45.81	74.00	28.19 Peak

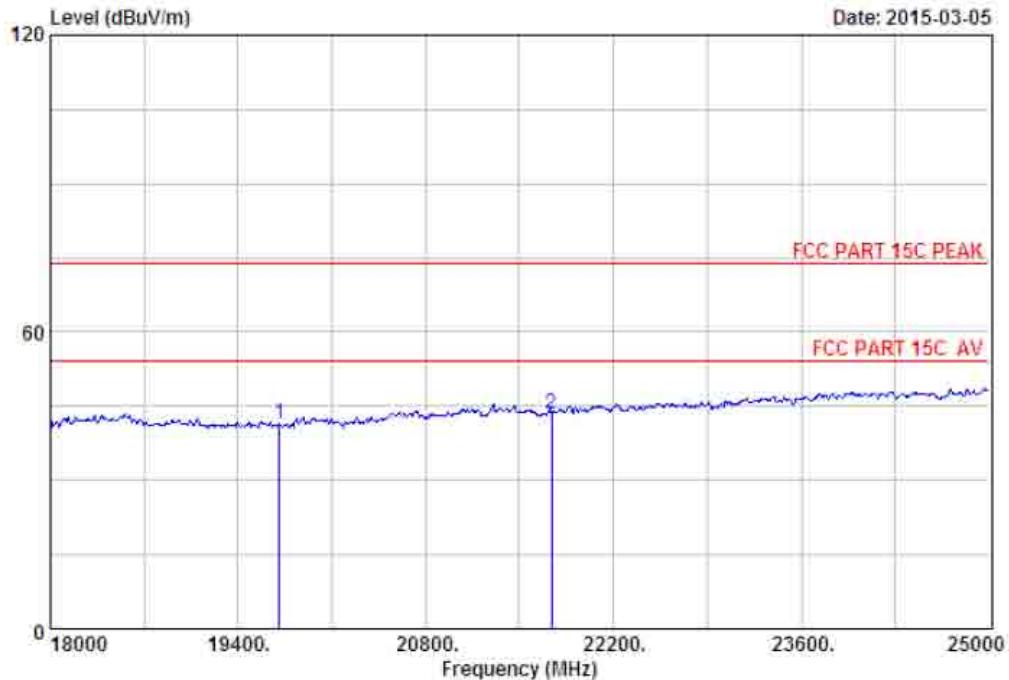
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 811
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 19449.00	45.86	19.05	36.23	13.41	42.09	74.00	31.91	Peak
2 22809.00	45.67	21.03	34.06	12.97	45.61	74.00	28.39	Peak

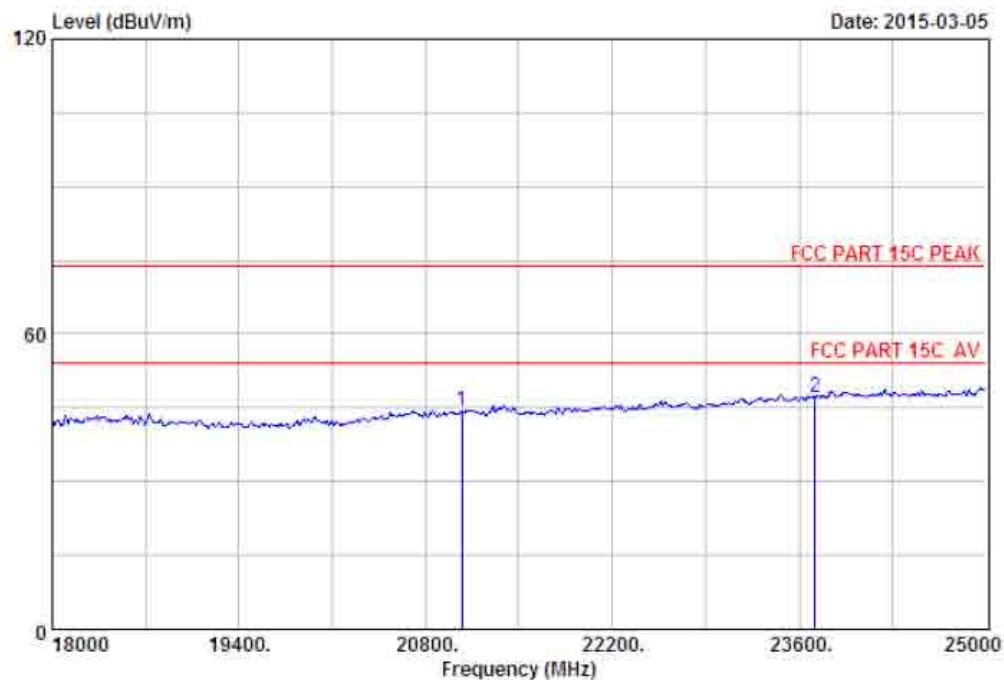
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 612
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 19708.00	45.99	19.35	36.44	12.45	41.35	74.00	32.65	Peak
2 21738.00	45.86	20.45	35.12	12.39	43.58	74.00	30.42	Peak

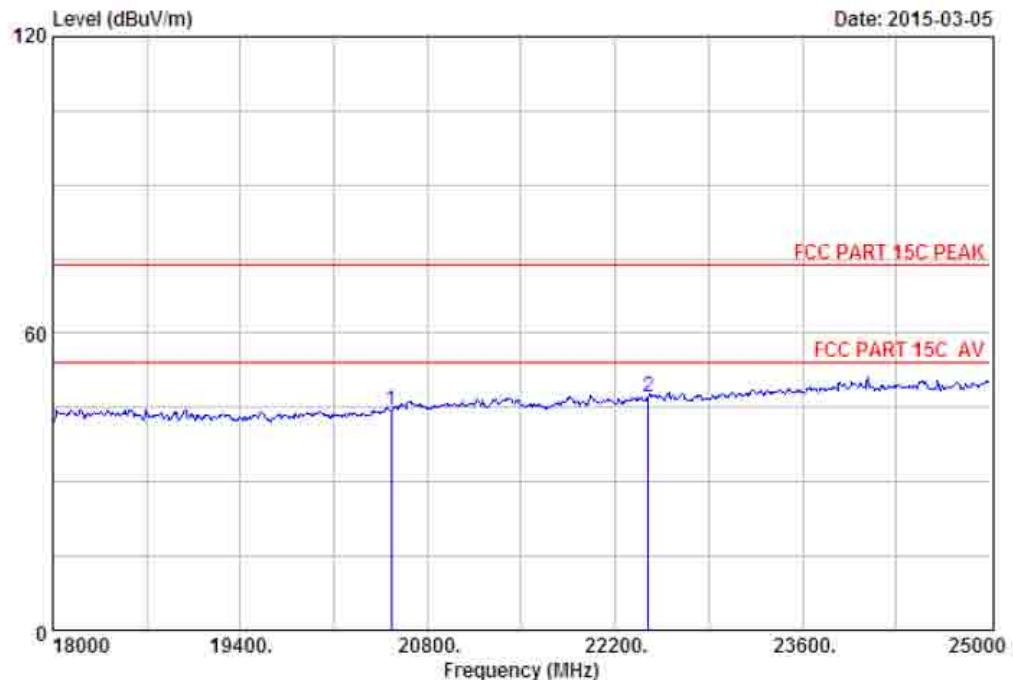
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 813
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH4 2437TX

Freq. (MHz)	Ant.			Cable			Amp			Emission		
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dBuV/m)	Remark (dB)				
1 21073.00	46.25	20.16	35.73	13.69	44.37	74.00	29.63	Peak				
2 23719.00	45.66	21.79	33.09	12.68	47.04	74.00	26.96	Peak				

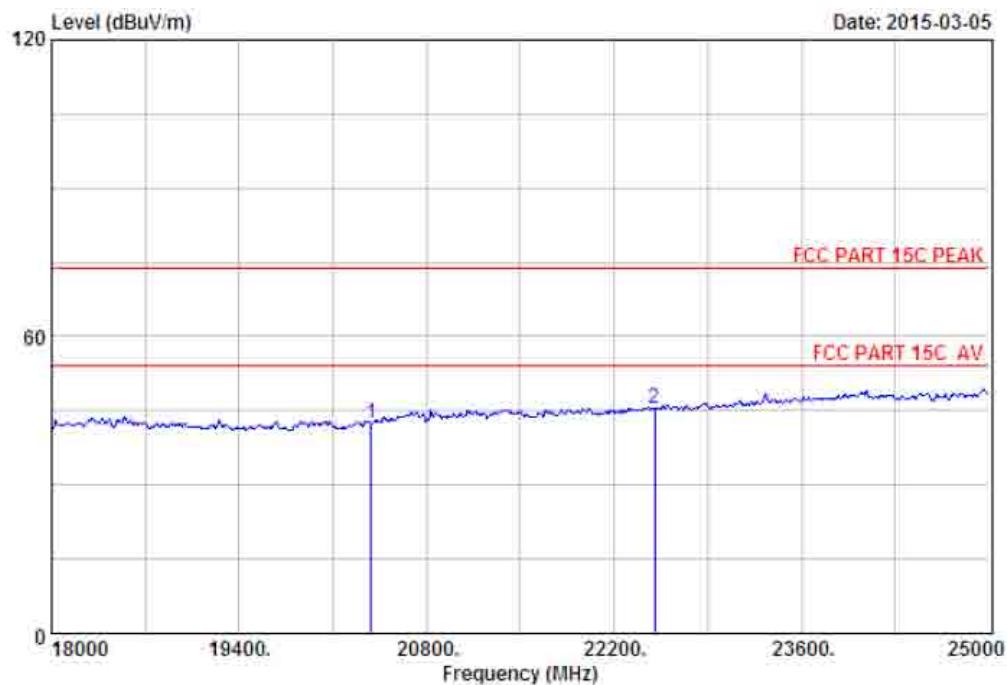
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 814
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH4 2437TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level (dBuV)	Limits (dBuV/m)	Margin (dBuV/m)		
1 20527.00	46.01	19.92	36.23	14.76	44.46	74.00	29.54	Peak	
2 22445.00	45.79	20.82	34.43	14.89	47.07	74.00	26.93	Peak	

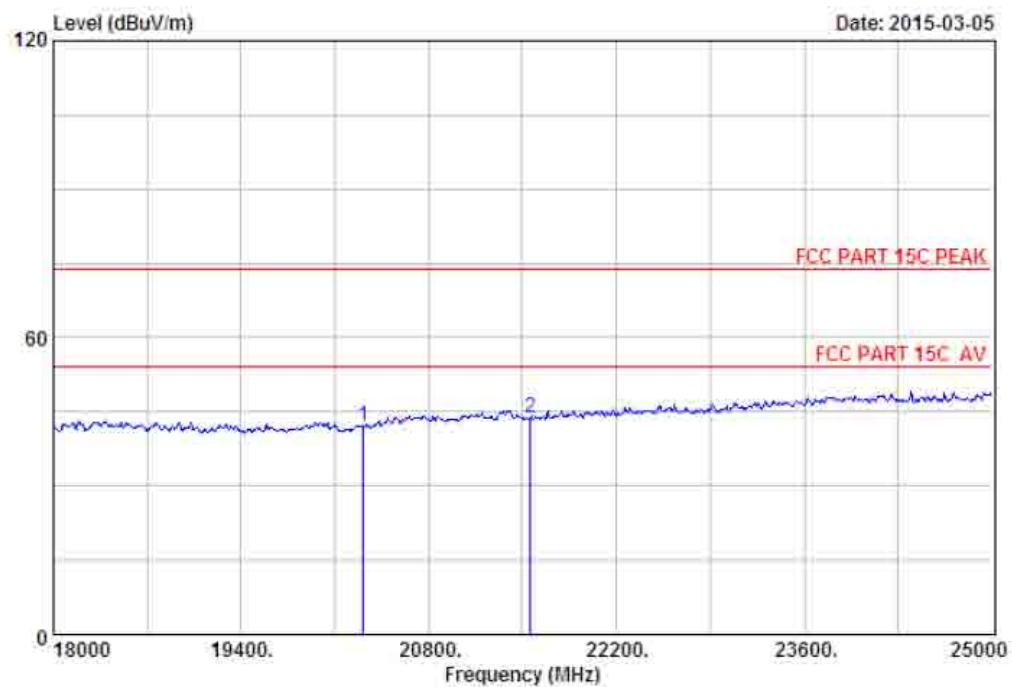
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 815
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20387.00	46.03	19.85	36.36	13.01	42.53	74.00	31.47	Peak
2 22501.00	45.80	20.85	34.38	13.19	45.46	74.00	28.54	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.



Site no. : 3m Chamber Data no. : 816
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Remark
				Reading	Level	Limits	Margin	
1 20310.00	46.04	19.82	36.43	12.66	42.09	74.00	31.91	Peak
2 21556.00	45.96	20.37	35.31	12.74	43.76	74.00	30.24	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.

5 BAND EDGE COMPLIANCE TEST

5.1 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

5.2 Test Procedure

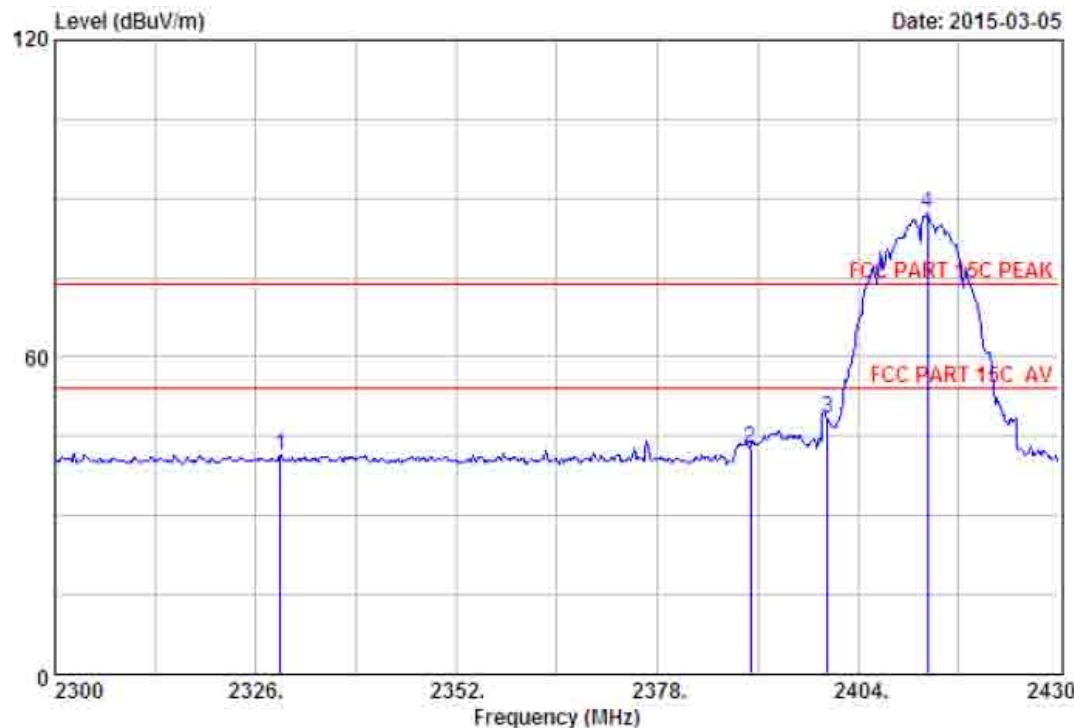
1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out 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 = 1MHz, Detector=PEAK detector, Sweep time = auto
 - (b) AV : RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto

5.3 Test Result

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

- Note:
- 1、For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
 - 2、The frequency 2412MHz、2452MHz and 2462 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

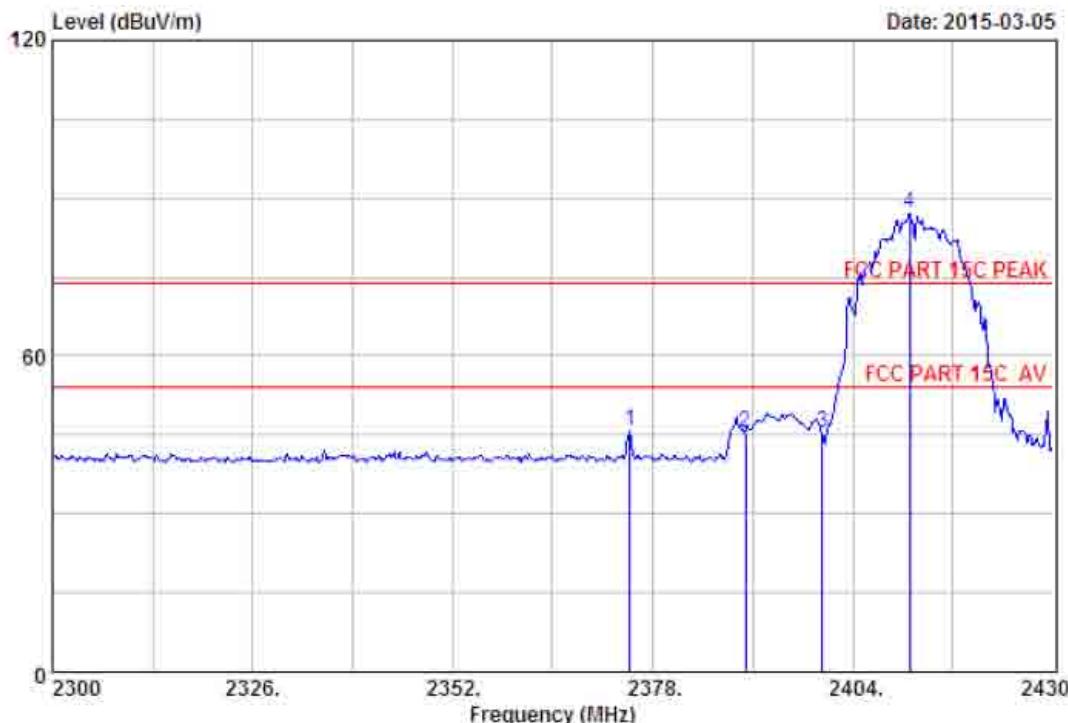
5.4 Test Data



Site no. : 3m Chamber Data no. : 755
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

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 2329.12	27.73	6.54	34.23	41.57	41.61	74.00	32.39	Peak
2 2390.00	27.64	6.62	34.19	42.57	42.64	74.00	31.36	Peak
3 2400.00	27.61	6.62	34.18	48.56	48.61	74.00	25.39	Peak
4 2412.97	27.60	6.64	34.15	87.10	87.19	74.00	-13.19	Peak

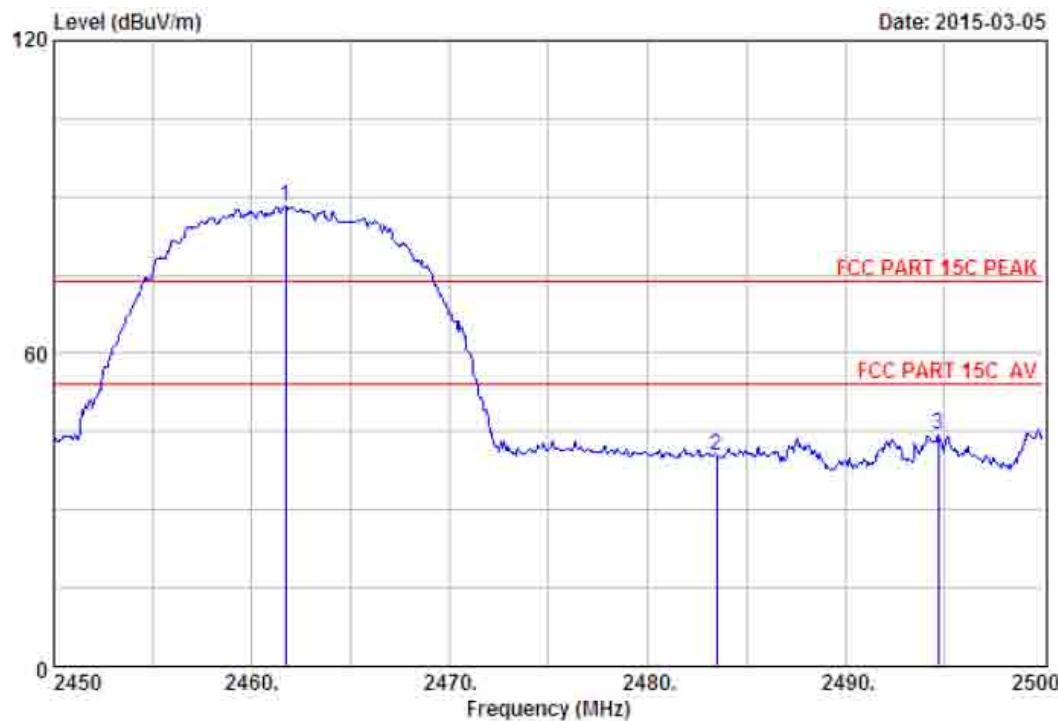
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 756
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 3V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH1 2412TX

	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	2378.01	27.64	6.60	34.19	45.87	45.92	74.00	28.08	Peak
2	2390.00	27.64	6.62	34.19	45.28	45.35	74.00	28.65	Peak
3	2400.00	27.61	6.62	34.18	45.36	45.41	74.00	28.59	Peak
4	2411.41	27.60	6.64	34.15	87.10	87.19	74.00	-13.19	Peak

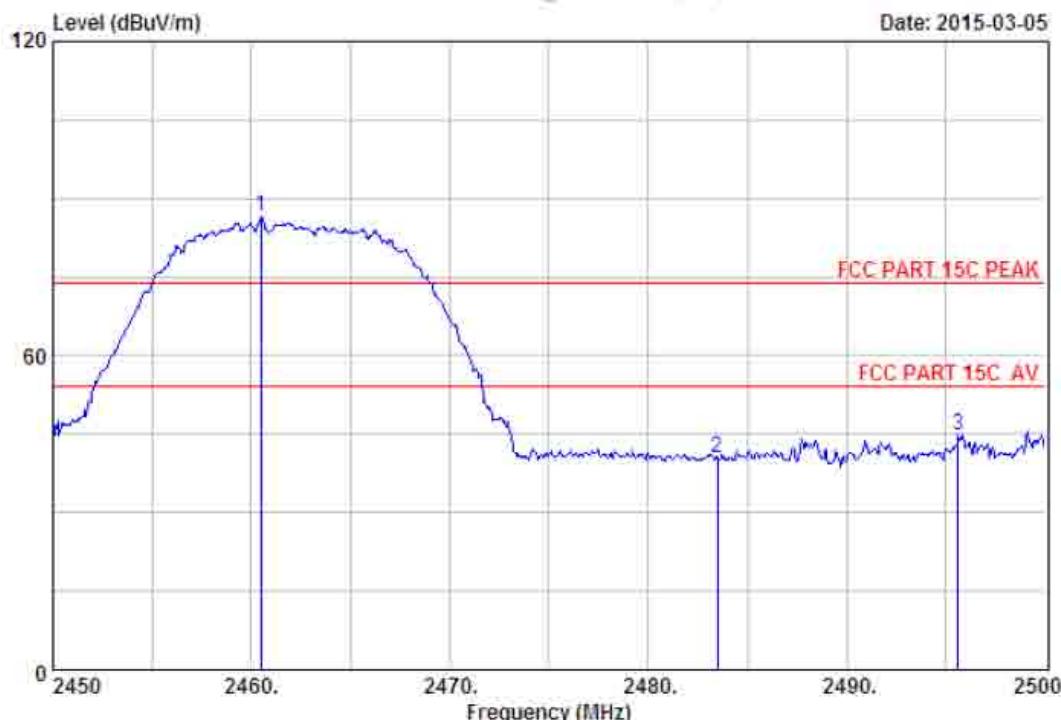
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 761
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
				(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	27.58	6.69	34.06	87.94	88.15	74.00	-14.15	Peak
2	27.58	6.71	34.03	40.31	40.57	74.00	33.43	Peak
3	27.57	6.73	34.00	44.12	44.42	74.00	29.58	Peak

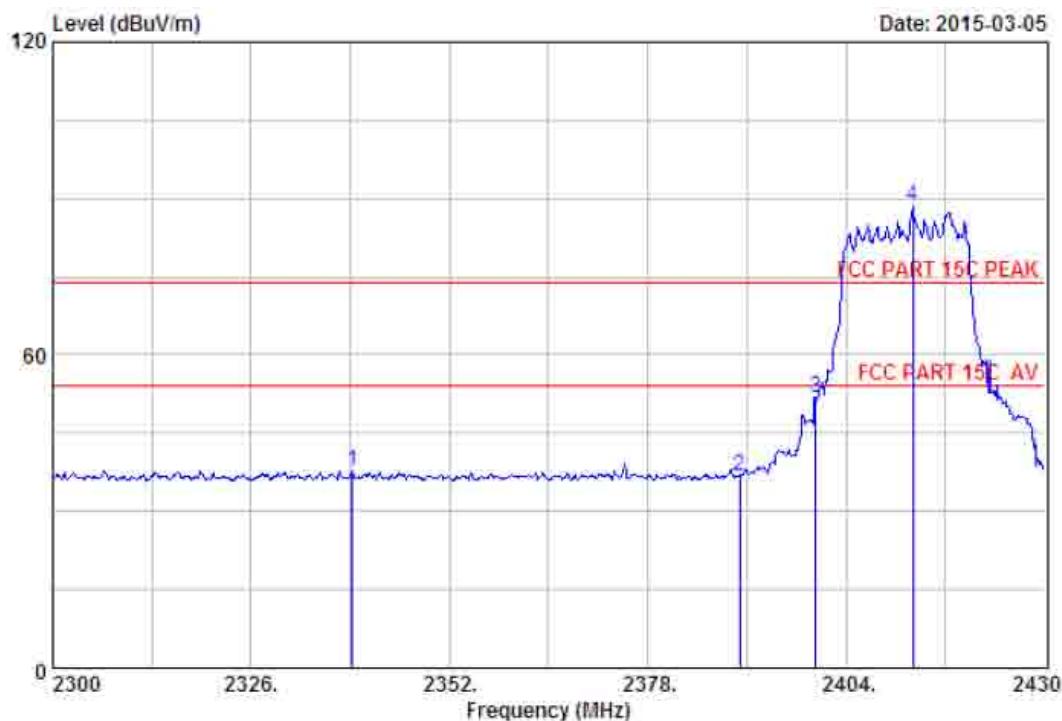
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 762
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11b CH11 2462TK

	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	2460.45	27.58	6.69	34.06	86.32	86.53	74.00	-12.53	Peak
2	2483.50	27.58	6.71	34.03	40.28	40.54	74.00	33.46	Peak
3	2495.60	27.57	6.73	34.00	44.55	44.85	74.00	29.15	Peak

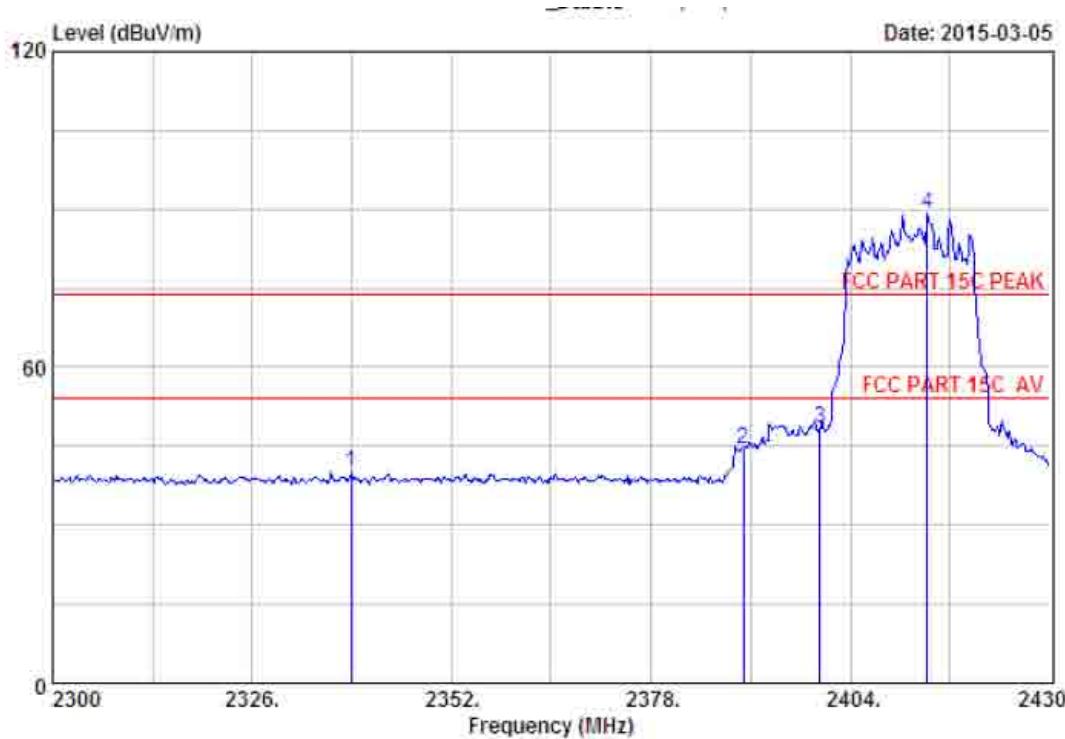
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 771
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

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 2339.26	27.73	6.56	34.23	37.77	37.83	74.00	36.17	Peak
2 2390.00	27.64	6.62	34.19	36.81	36.88	74.00	37.12	Peak
3 2400.00	27.61	6.62	34.18	51.74	51.79	74.00	22.21	Peak
4 2412.71	27.60	6.64	34.15	88.61	88.70	74.00	-14.70	Peak

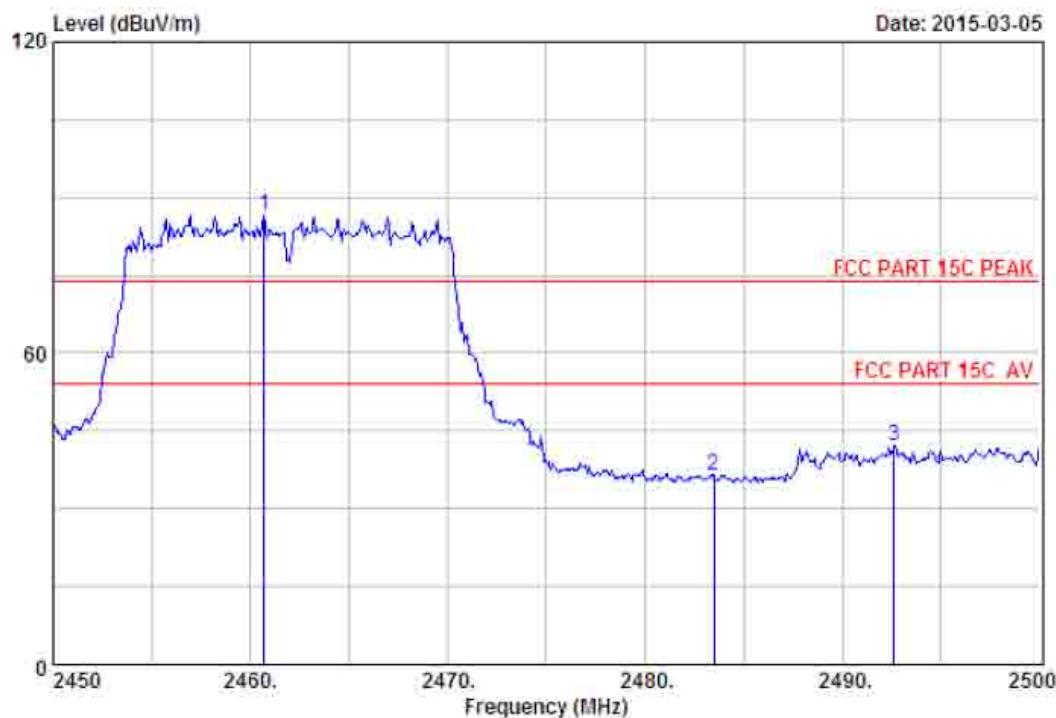
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 772
 Dis. / Ant. : 3m, ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH1 2412TX

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 2338.87	27.73	6.56	34.23	39.97	40.03	74.00	33.97	Peak
2 2390.00	27.64	6.62	34.19	44.50	44.57	74.00	29.43	Peak
3 2400.00	27.61	6.62	34.18	48.30	48.35	74.00	25.65	Peak
4 2414.01	27.60	6.64	34.15	89.06	89.15	74.00	-15.15	Peak

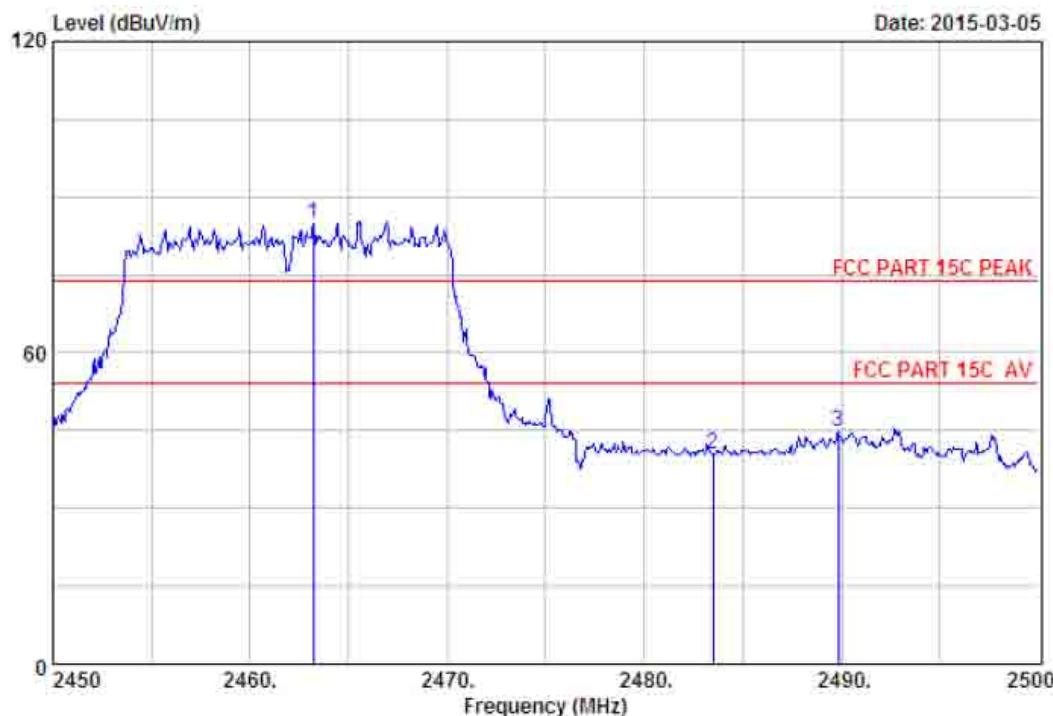
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 777
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

	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	2460.70	27.58	6.69	34.06	86.39	86.60	74.00	-12.60	Peak
2	2483.50	27.58	6.71	34.03	36.08	36.34	74.00	37.66	Peak
3	2492.60	27.58	6.73	34.03	41.84	42.12	74.00	31.98	Peak

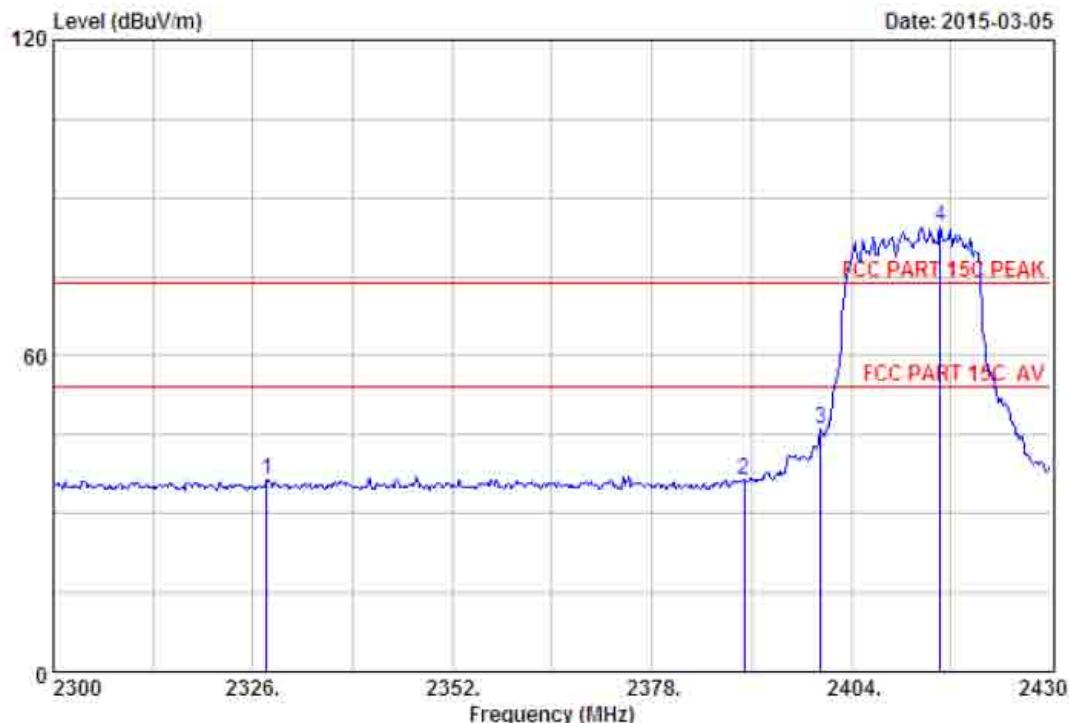
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 778
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11g CH11 2462TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				
				Reading	Level	Limits	Margin	Remark
				(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2463.20	27.58	6.69	34.06	64.84	85.05	74.00	-11.05 Peak
2	2463.50	27.58	6.71	34.03	40.08	40.34	74.00	33.66 Peak
3	2489.85	27.58	6.73	34.03	44.55	44.83	74.00	29.17 Peak

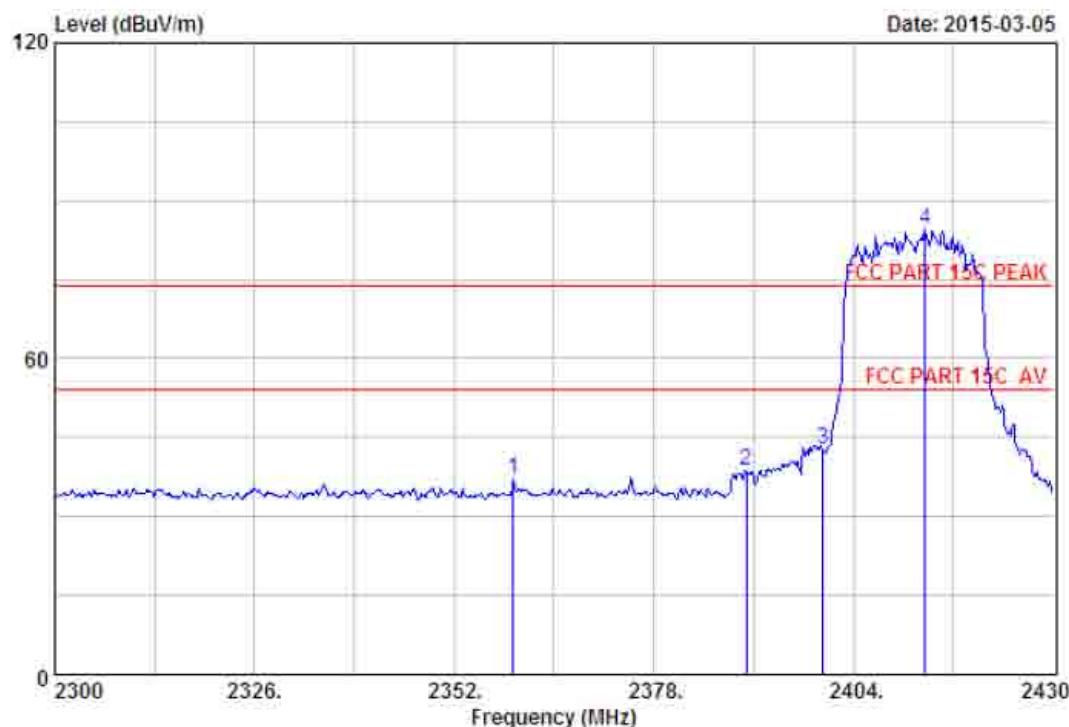
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 787
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6°C;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Emission				Margin (dB)	Remark
				Reading	Level	Limits			
1 2327.82	27.73	6.54	34.23	36.51	36.55	74.00	37.45	Peak	
2 2390.00	27.64	6.62	34.19	36.39	36.46	74.00	37.54	Peak	
3 2400.00	27.61	6.62	34.18	45.97	46.02	74.00	27.98	Peak	
4 2415.57	27.60	6.64	34.15	84.46	84.55	74.00	-10.55	Peak	

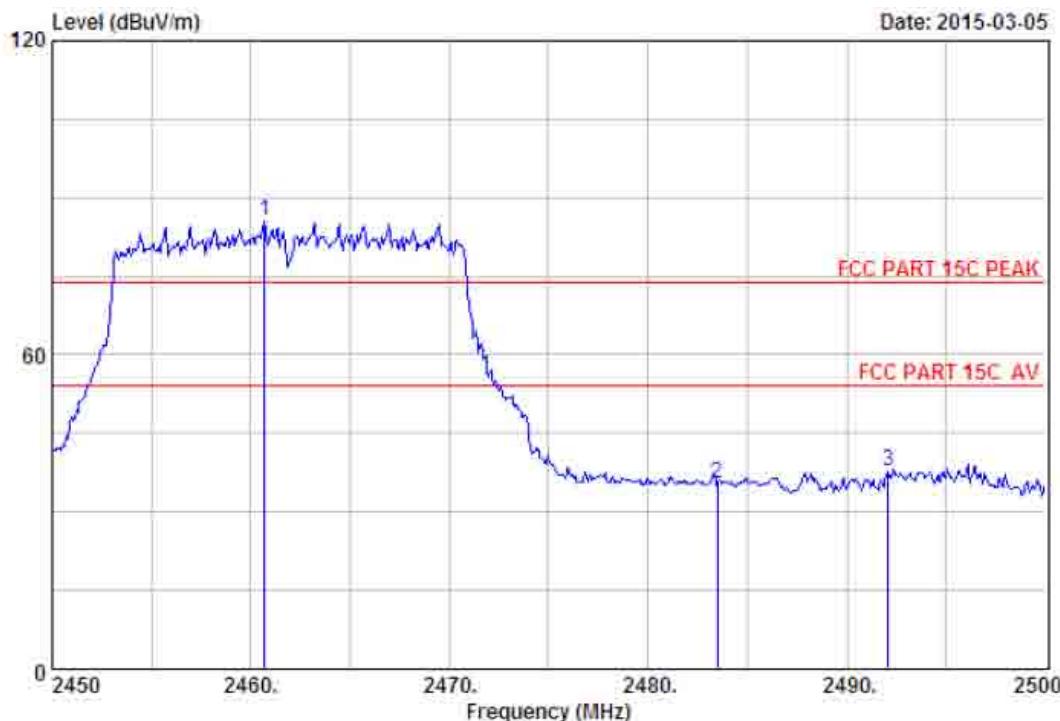
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 788
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

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 2359.67	27.67	6.58	34.20	37.08	37.13	74.00	36.87	Peak
2 2390.00	27.64	6.62	34.19	38.72	38.79	74.00	35.21	Peak
3 2400.00	27.61	6.62	34.18	42.67	42.72	74.00	31.28	Peak
4 2413.36	27.60	6.64	34.15	84.47	84.56	74.00	-10.56	Peak

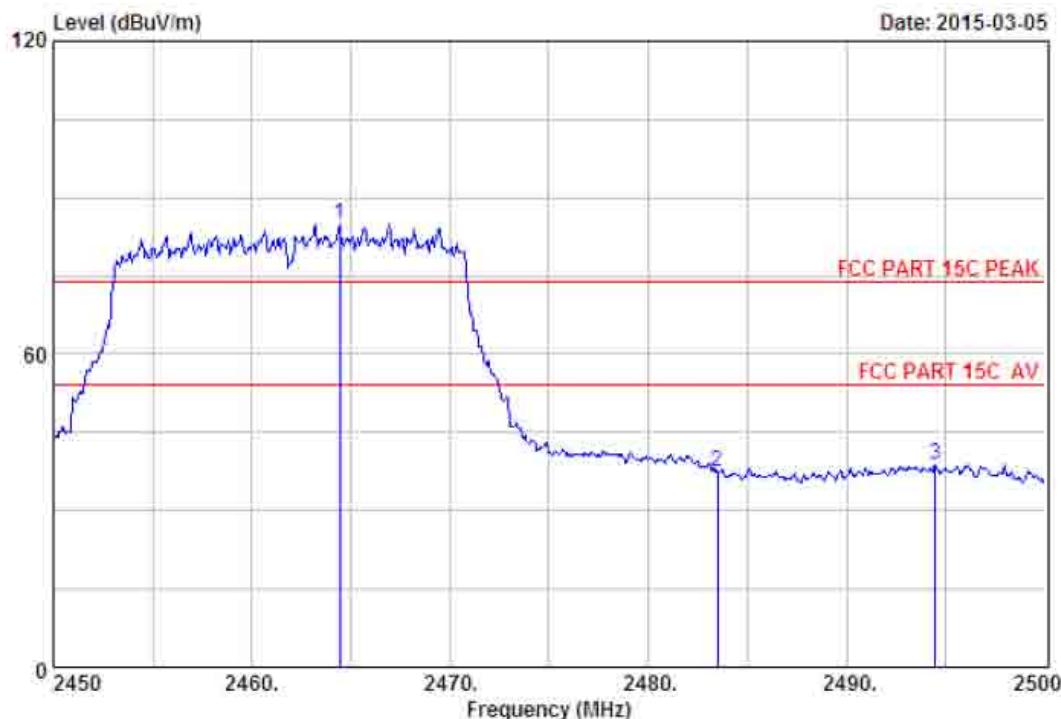
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 8m Chamber Data no. : 793
 Dis. / Ant. : 8m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-NML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limita (dBuV/m)	Margin (dB)	Remark
1	2460.70	27.58	6.69	34.06	85.24	85.45	74.00	-11.45	Peak
2	2483.50	27.58	6.71	34.03	35.11	35.37	74.00	38.63	Peak
3	2492.10	27.58	6.73	34.03	37.44	37.72	74.00	36.28	Peak

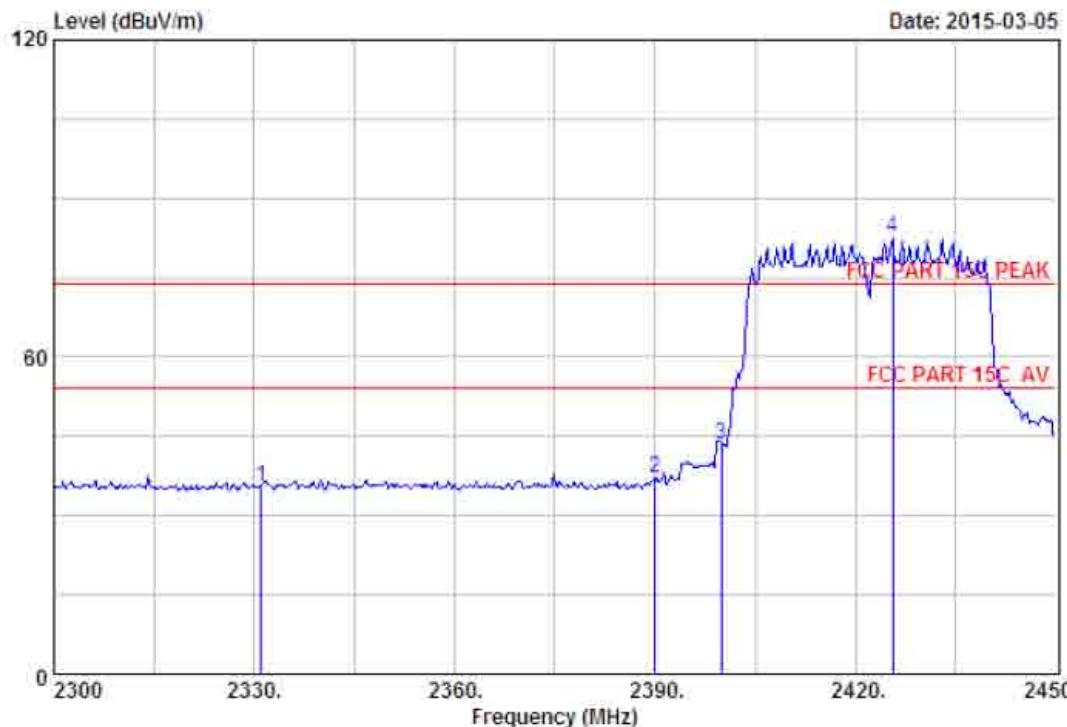
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 794
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT20 CH11 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.45	27.58	6.69	34.06	84.61	84.82	74.00	-10.82	Peak
2	2483.50	27.58	6.71	34.03	87.22	87.48	74.00	36.52	Peak
3	2494.45	27.57	6.73	34.00	88.53	88.83	74.00	35.17	Peak

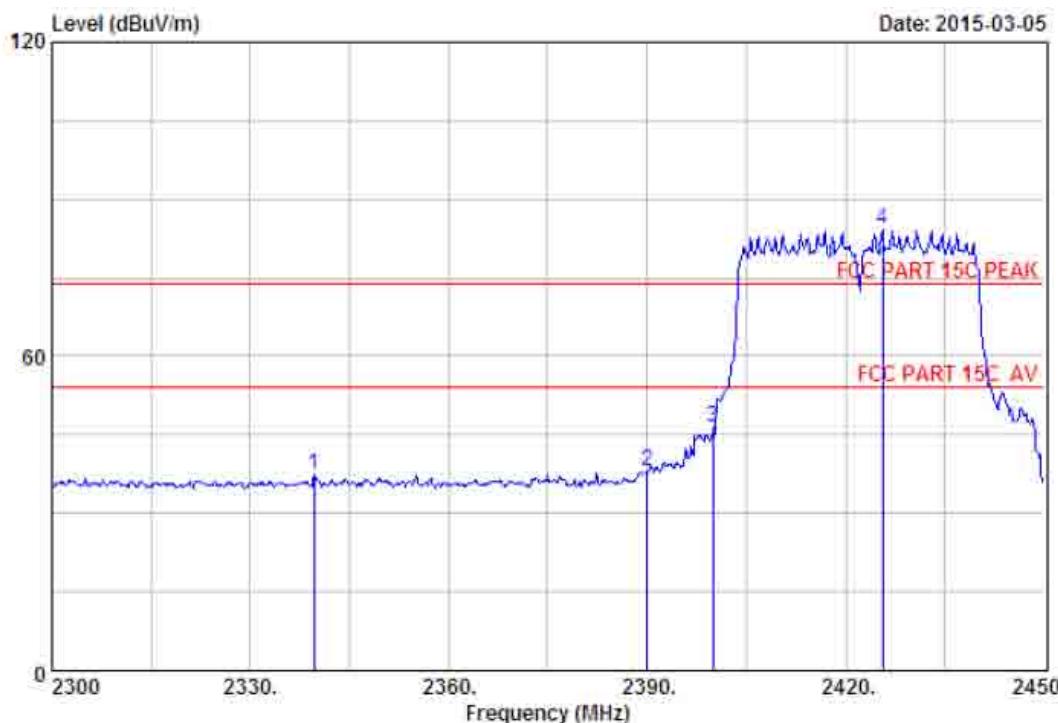
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 803
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

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 2331.05	27.73	6.54	34.23	35.52	35.56	74.00	38.44	Peak
2 2390.00	27.64	6.62	34.19	36.99	37.06	74.00	36.94	Peak
3 2400.00	27.61	6.62	34.18	43.52	43.57	74.00	30.43	Peak
4 2425.55	27.60	6.66	34.12	52.82	52.46	74.00	-8.46	Peak

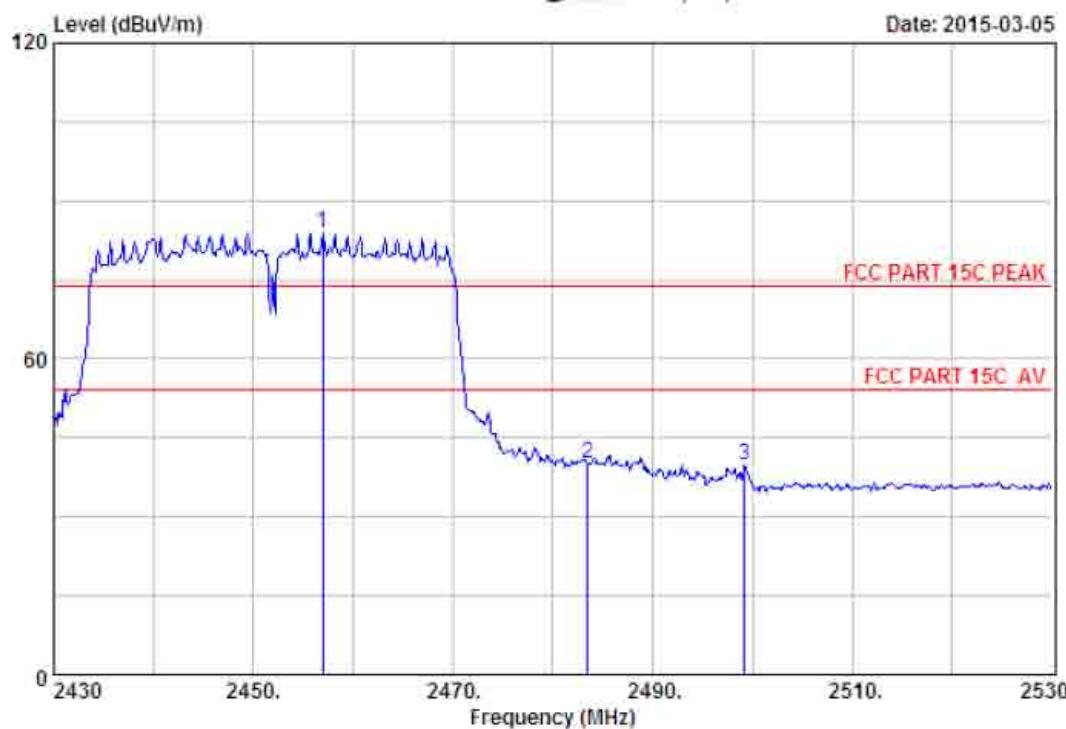
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 804
 Dis. / Ant. : 3m ANT 1-16G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH1 2422TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2339.60	27.70	6.56	34.22	37.44	37.48	74.00	36.52	Peak
2	2390.00	27.64	6.62	34.19	38.01	38.08	74.00	35.92	Peak
3	2400.00	27.61	6.62	34.18	46.44	46.49	74.00	27.51	Peak
4	2425.55	27.60	6.66	34.12	84.17	84.31	74.00	-10.31	Peak

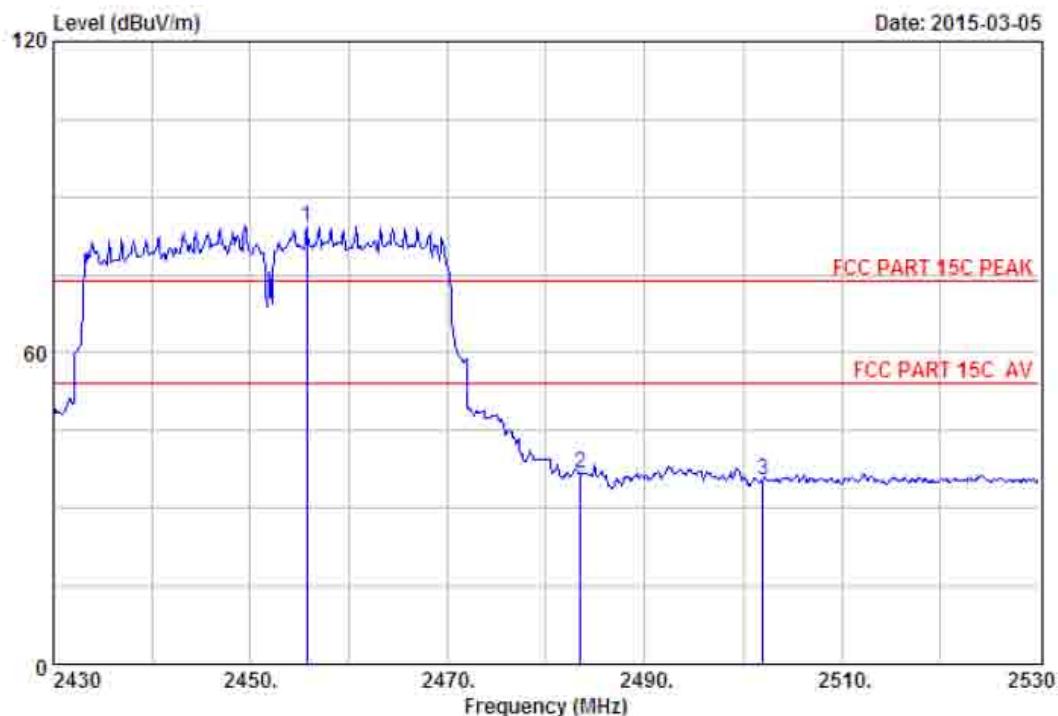
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 809
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 2456.90	27.59	6.69	34.09	83.84	84.03	74.00	-10.03	Peak
2 2483.50	27.58	6.71	34.03	89.86	40.12	74.00	33.88	Peak
3 2499.20	27.57	6.73	34.00	89.33	39.63	74.00	34.37	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. : 810
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Wireless Module
 Power : DC 5V From Projector
 M/N : ET-WML100U
 Test Mode : IEEE 802.11n HT40 CH7 2452TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2455.70	27.59	6.69	34.09	84.21	84.40	74.00	-10.40	Peak	
2 2483.50	27.58	6.71	34.03	36.42	36.68	74.00	37.32	Peak	
3 2502.00	27.57	6.73	34.00	35.27	35.57	74.00	38.43	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.

6 6dB & 20dB Bandwidth Test

6.1 Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

6.2 Test Procedure

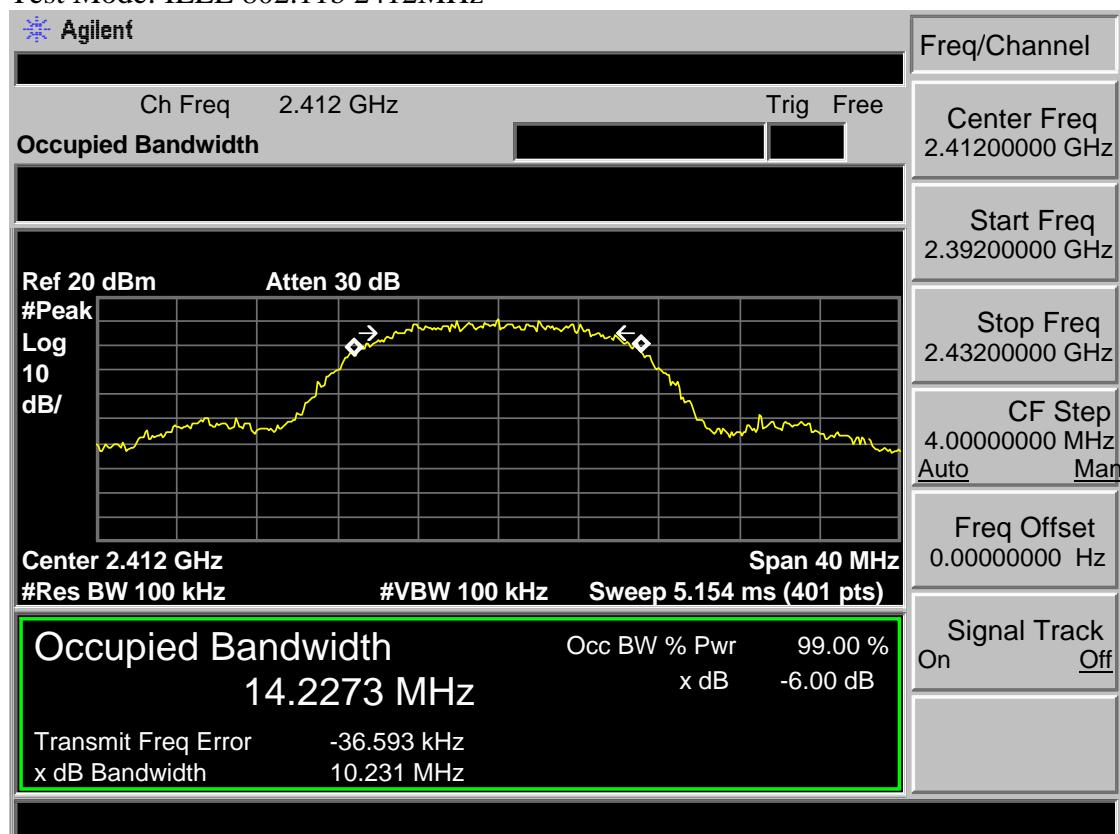
- 1, Connected the EUT's antenna port to spectrum analyzer device.
- 2, Follow the test procedure as described in KDB 558074
 - (1). Set resolution bandwidth (RBW) = 100 kHz.
 - (2). Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
 - (3). Detector = Peak.
 - (4). Trace mode = max hold.
 - (5). Sweep = auto couple.
 - (6). Allow the trace to stabilize.
 - (7). Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.3 Test Result

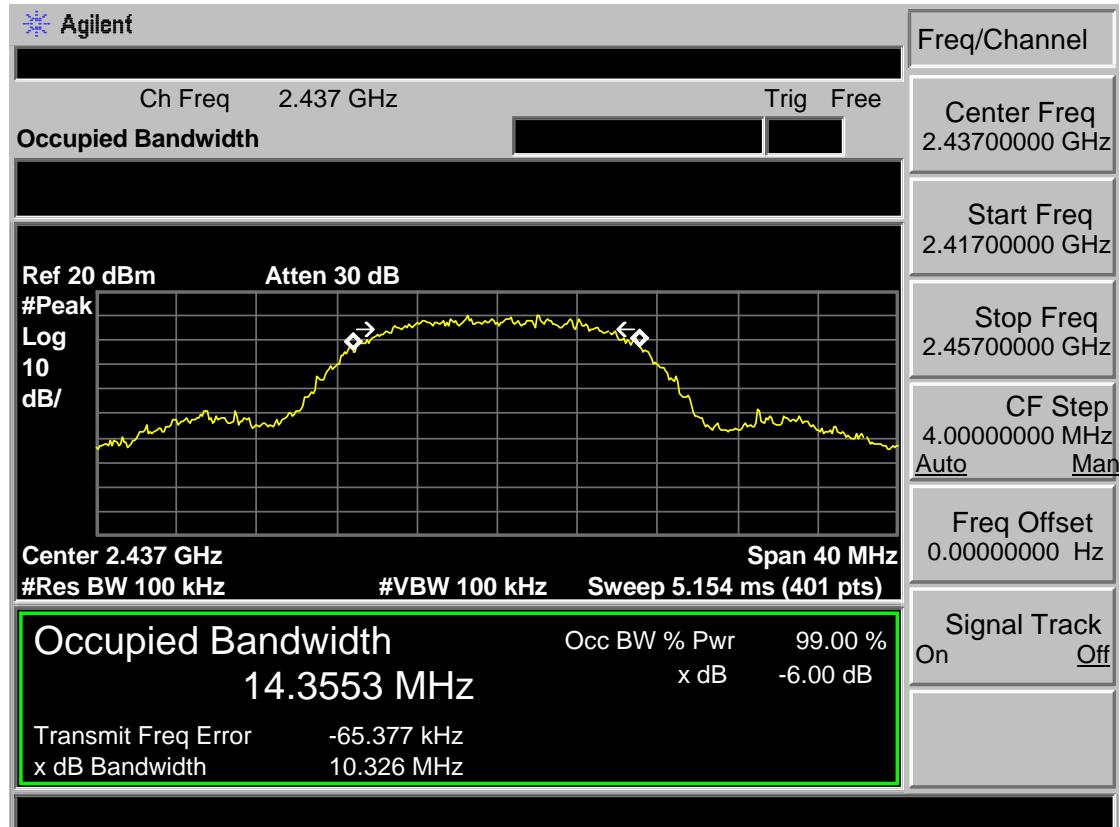
EUT: Wireless Module				
M/N: ET-WML100U				
Test date: 2015-03-07		Tested by: Tony.Tang		Test site: RF Site
Test Mode	CH	6dB bandwidth (MHz)	20dB bandwidth (MHz)	Limit (KHz)
IEEE 802.11 b	CH1	10.231	16.151	>500
	CH6	10.326	16.161	>500
	CH11	10.409	16.188	>500
IEEE 802.11 g	CH1	16.484	18.376	>500
	CH6	16.498	18.163	>500
	CH11	16.537	18.255	>500
IEEE 802.11 n HT 20	CH1	17.360	18.883	>500
	CH6	17.559	18.932	>500
	CH11	17.616	18.993	>500
IEEE 802.11 n HT 40	CH1	35.353	39.480	>500
	CH4	35.593	39.627	>500
	CH7	35.750	39.507	>500
Conclusion : PASS				

6.4 6dB Test Data

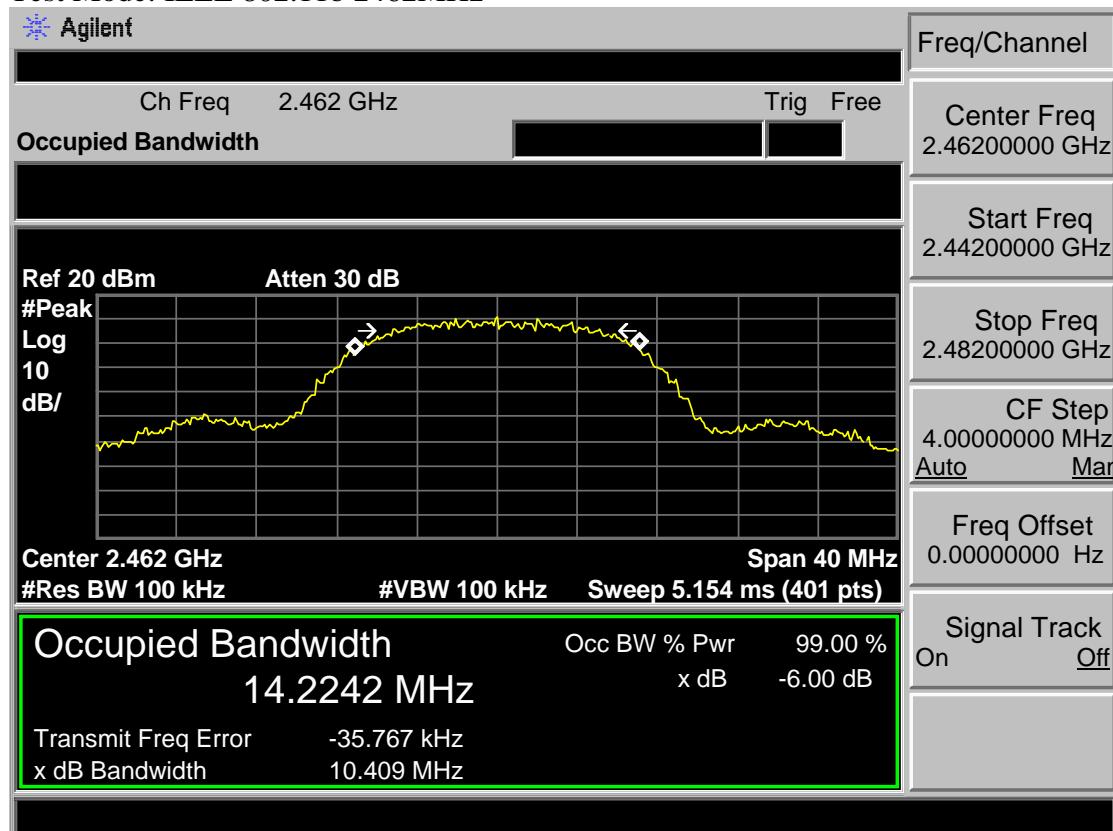
Test Mode: IEEE 802.11b 2412MHz



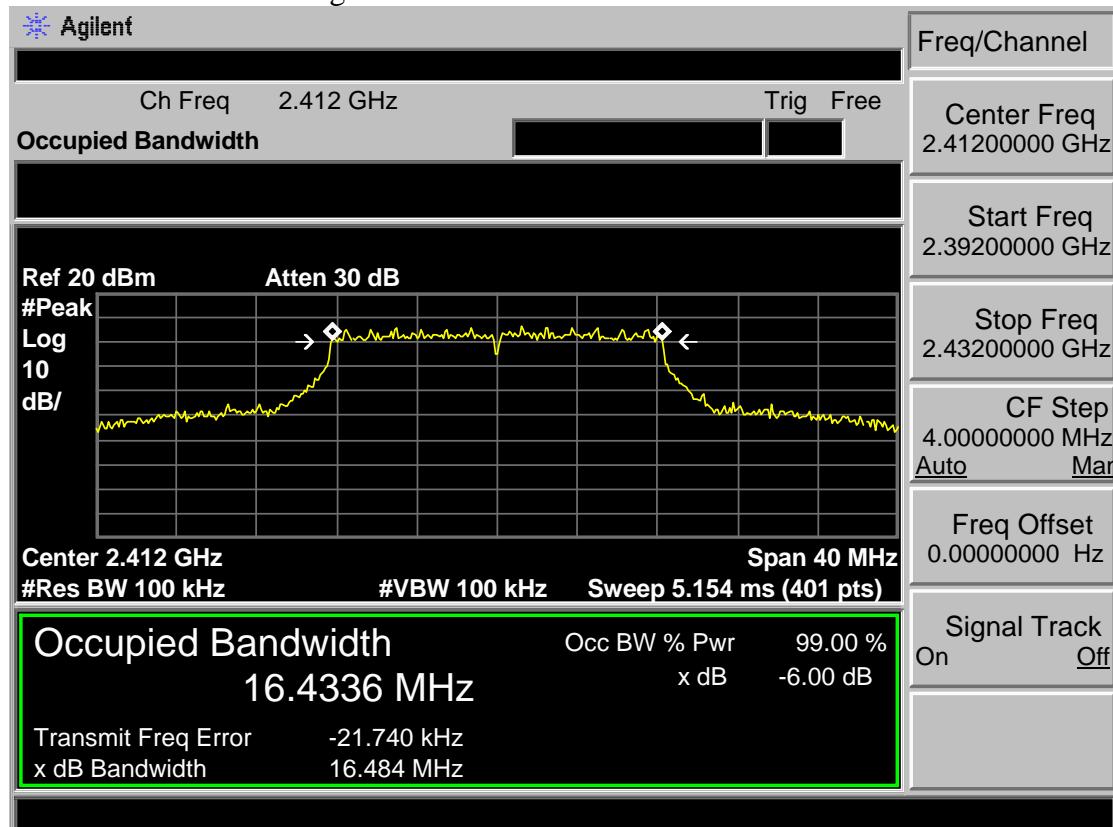
Test Mode: IEEE 802.11b 2437MHz



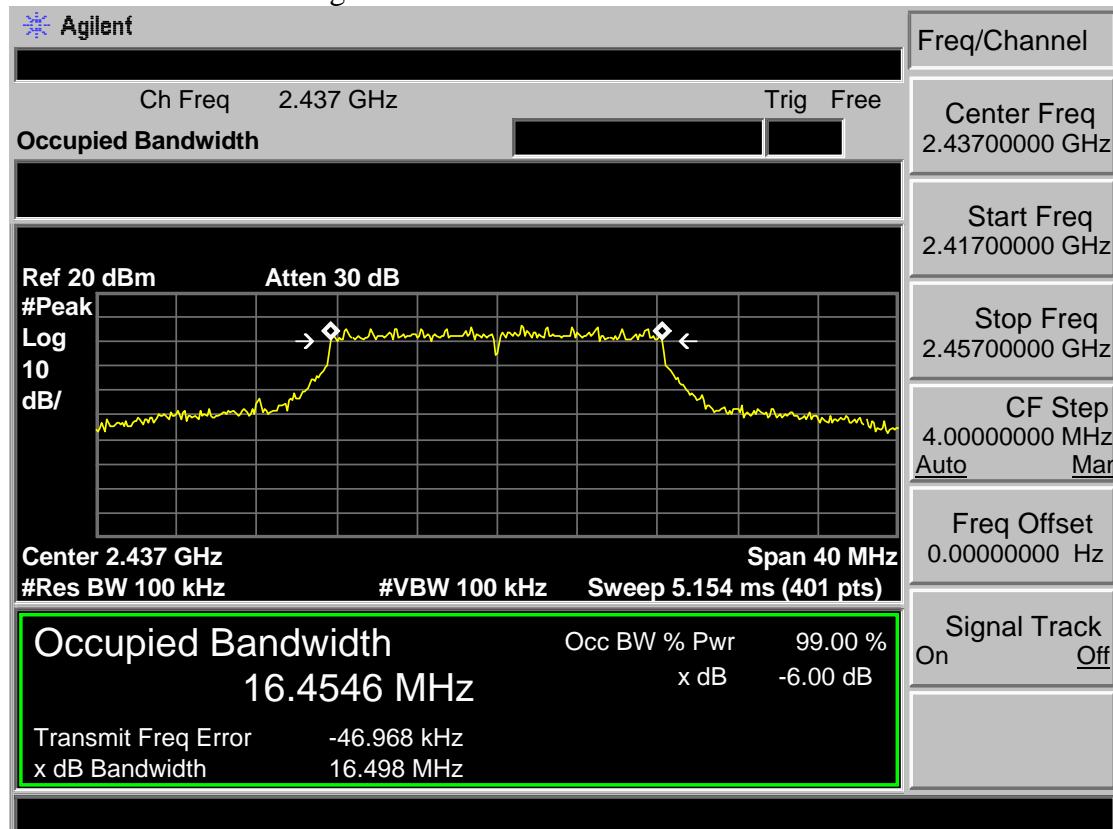
Test Mode: IEEE 802.11b 2462MHz



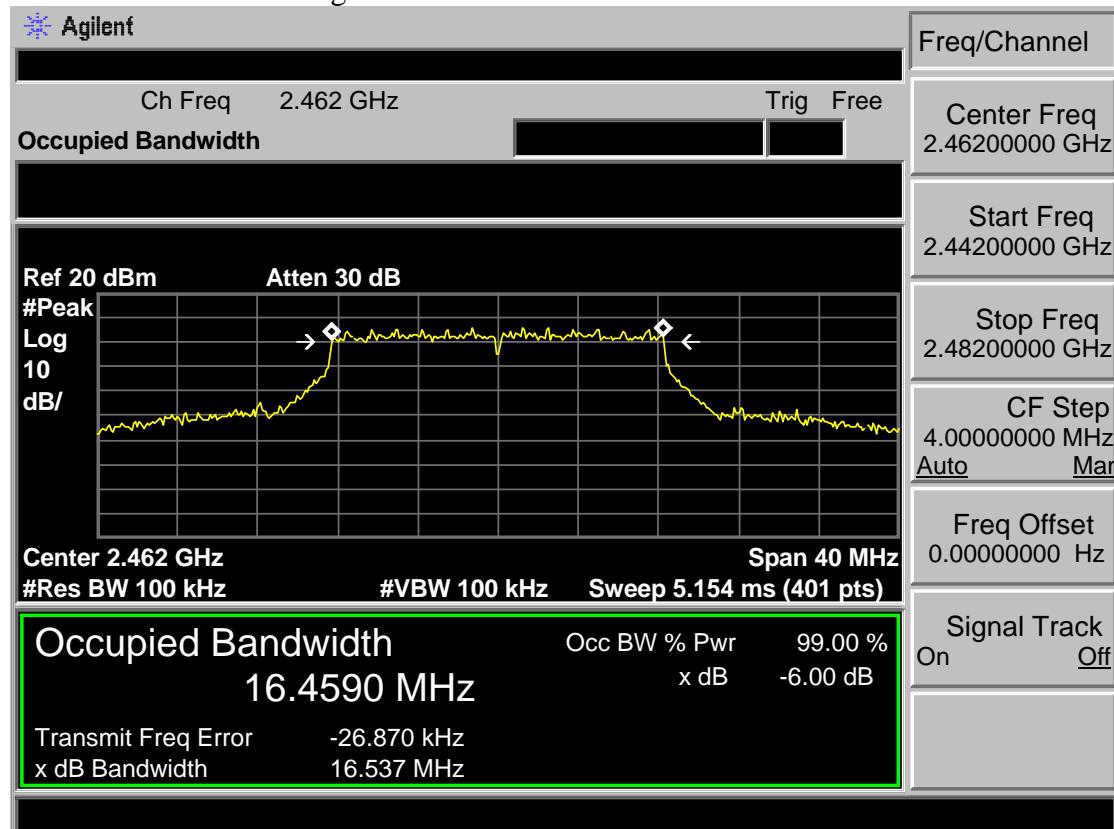
Test Mode: IEEE 802.11g 2412MHz



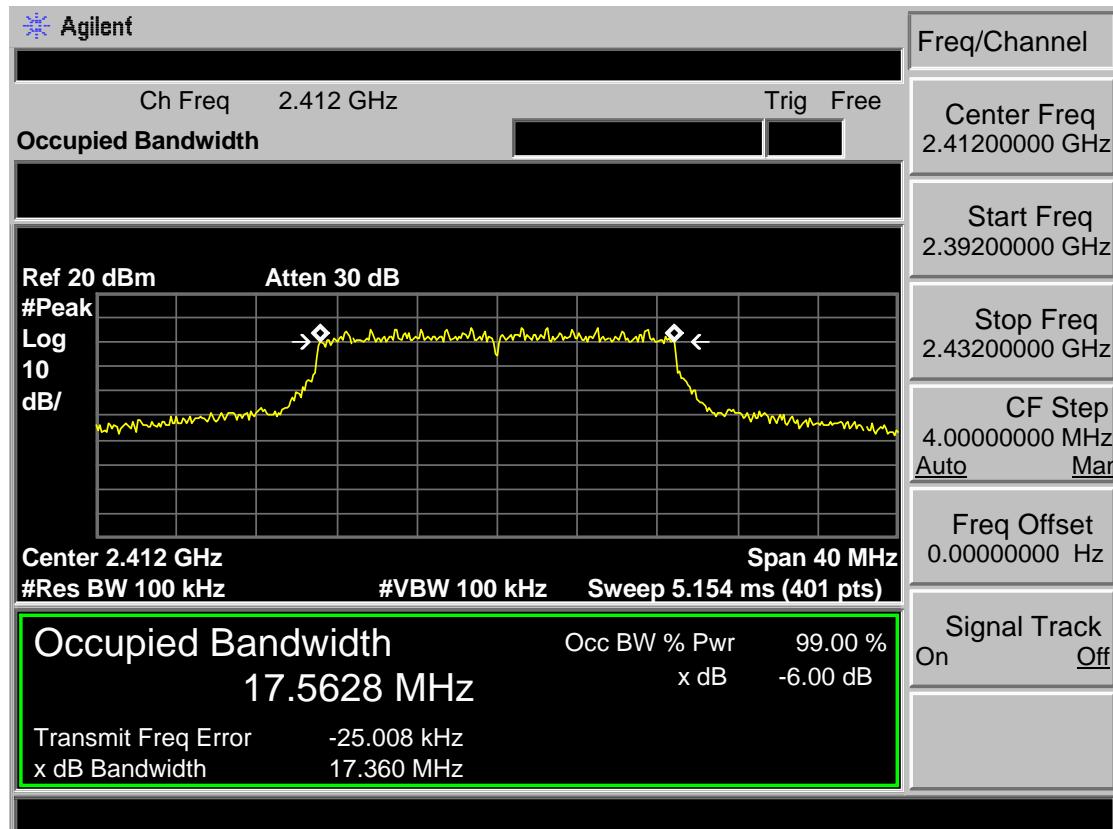
Test Mode: IEEE 802.11g 2437MHz



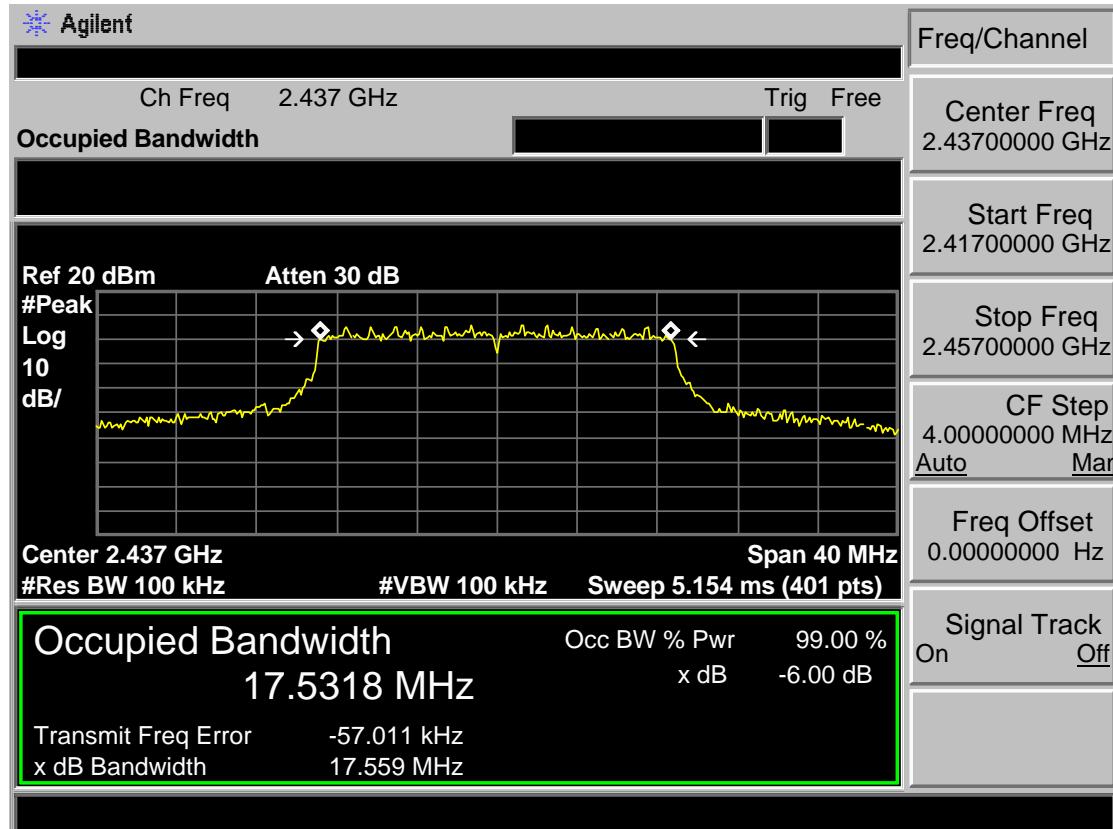
Test Mode: IEEE 802.11g 2462MHz



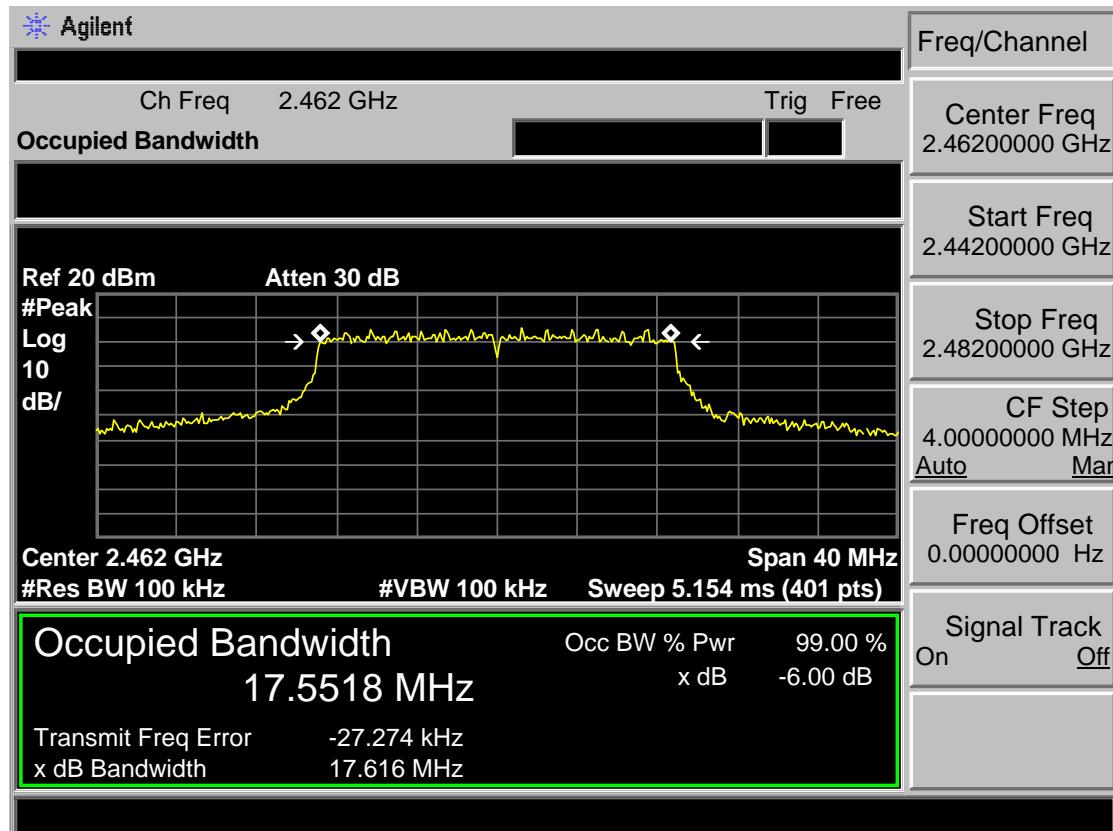
Test Mode: IEEE 802.11n HT20 2412MHz



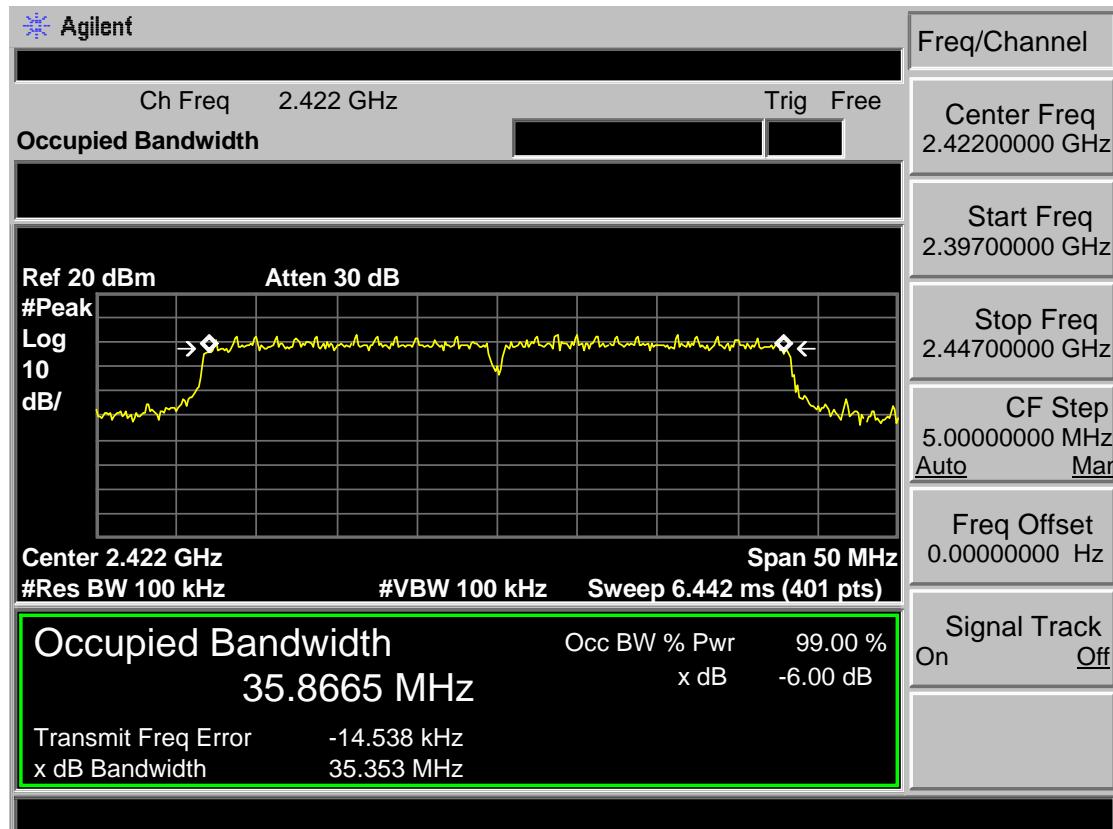
Test Mode: IEEE 802.11n HT20 2437MHz



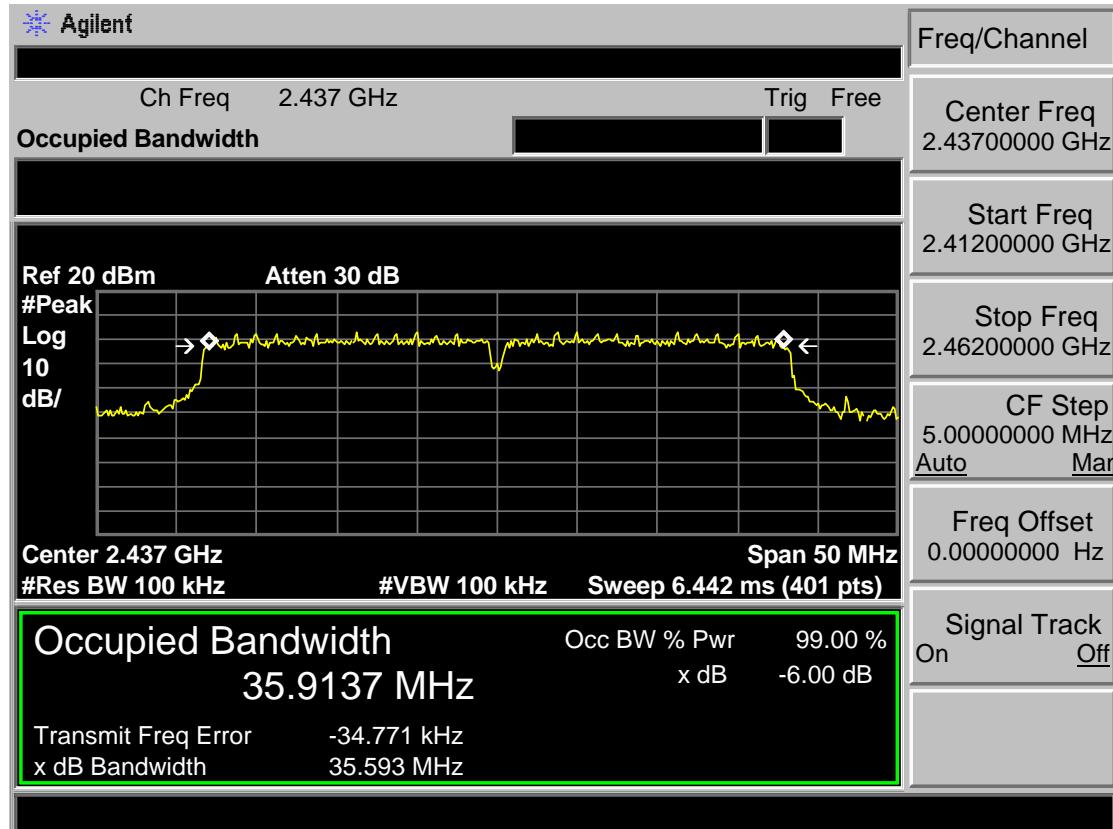
Test Mode: IEEE 802.11n HT20 2462MHz



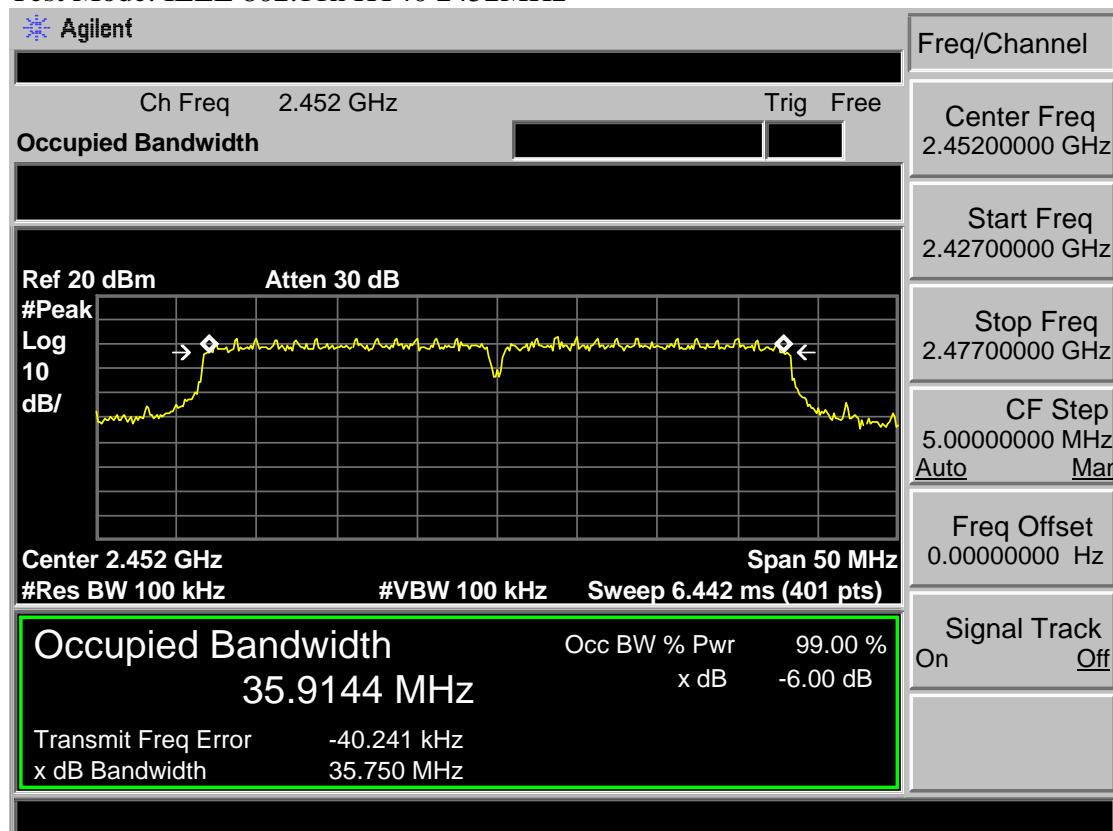
Test Mode: IEEE 802.11n HT40 2422MHz



Test Mode: IEEE 802.11n HT40 2437MHz

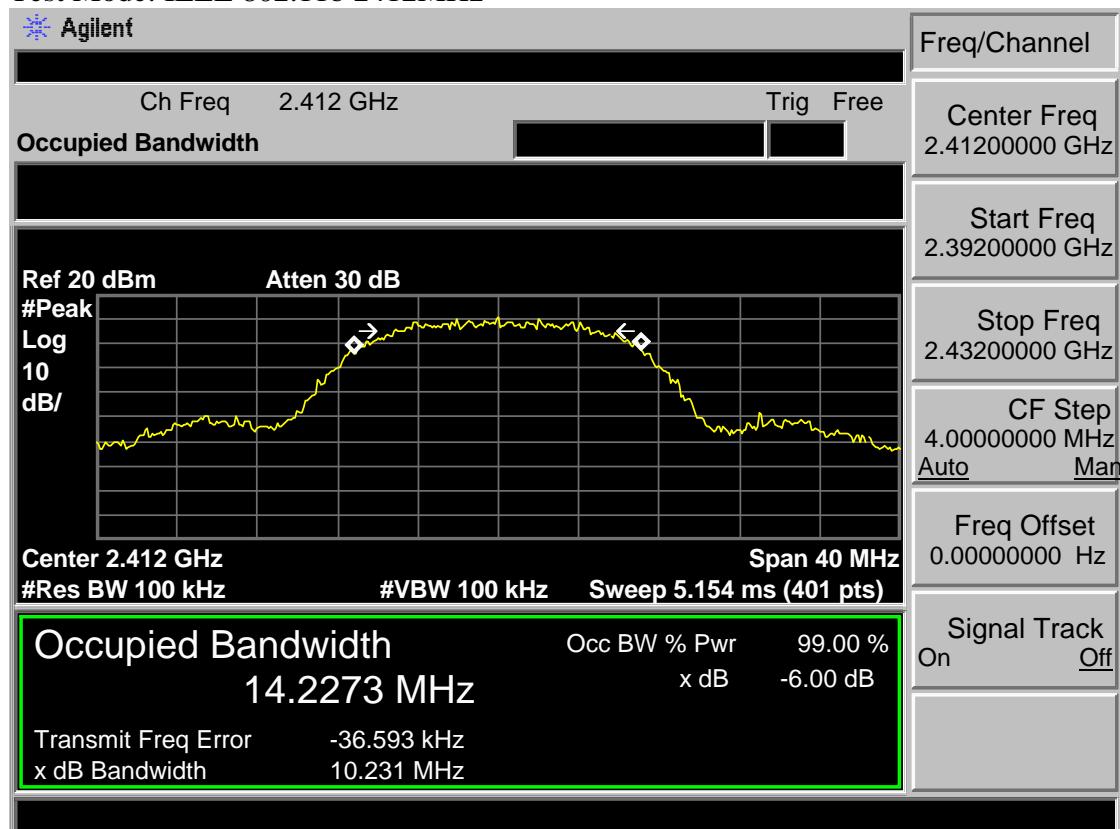


Test Mode: IEEE 802.11n HT40 2452MHz

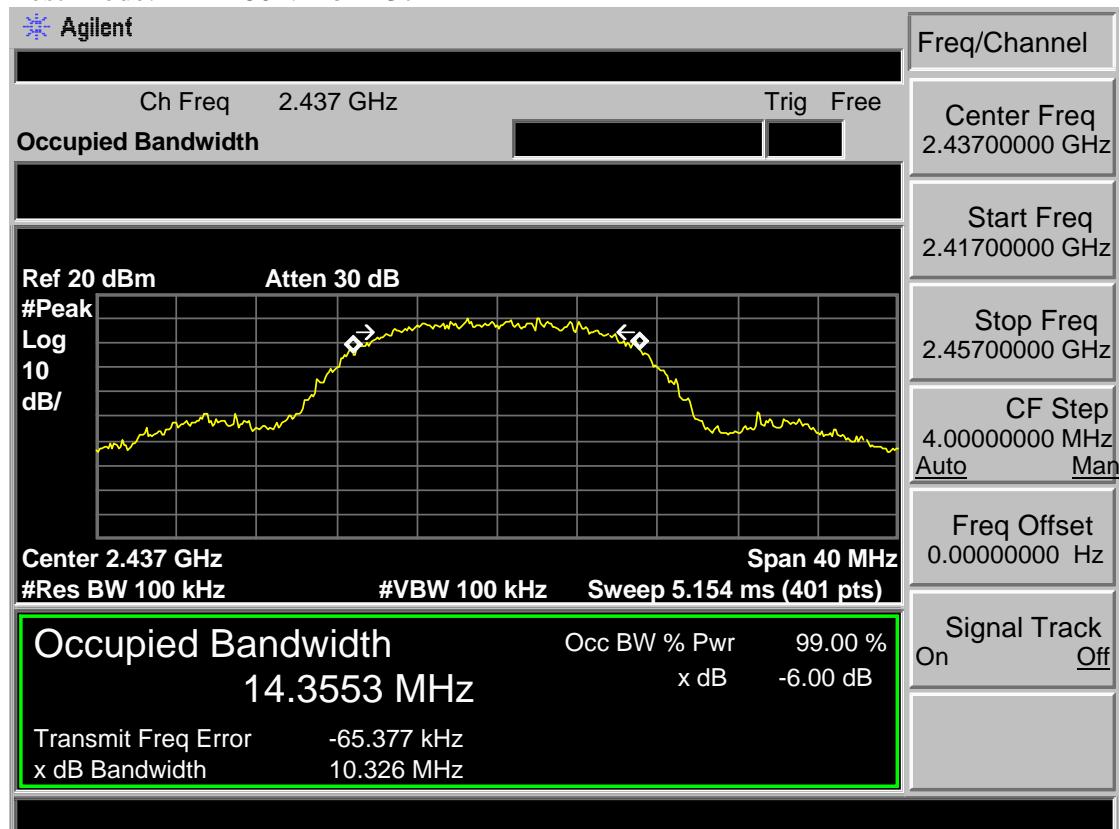


6.5 20dB Test Data

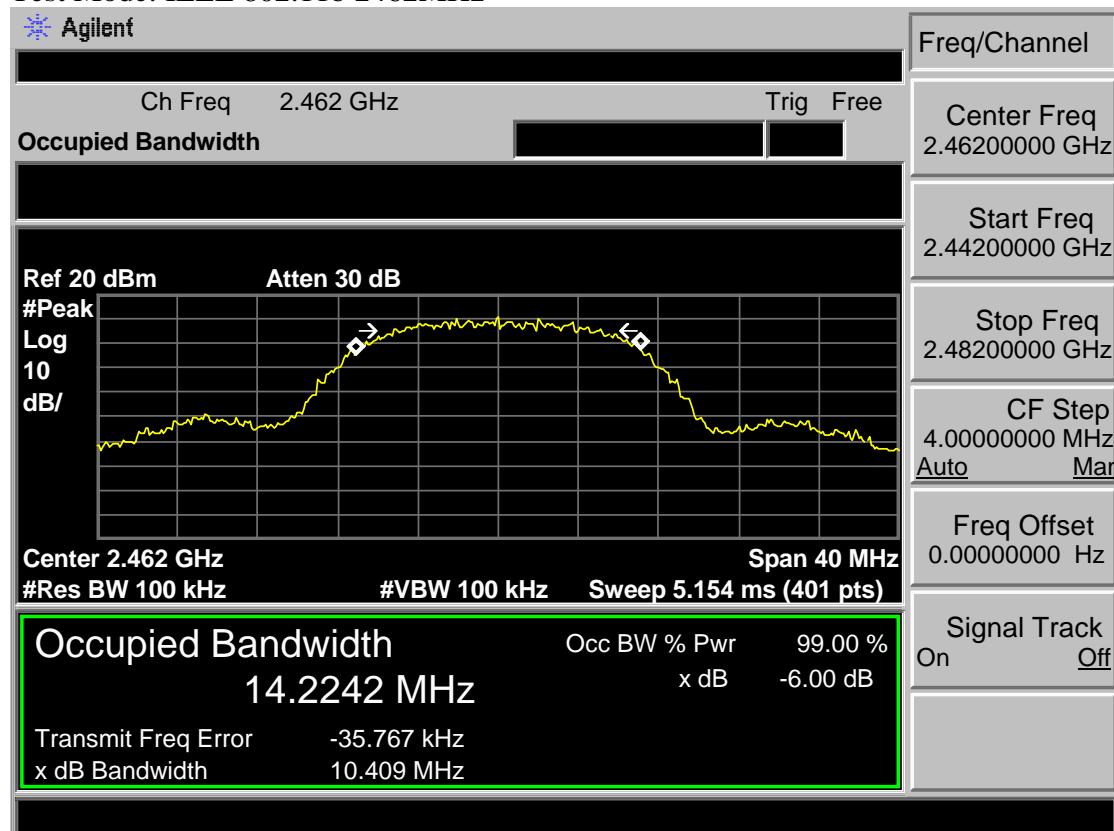
Test Mode: IEEE 802.11b 2412MHz



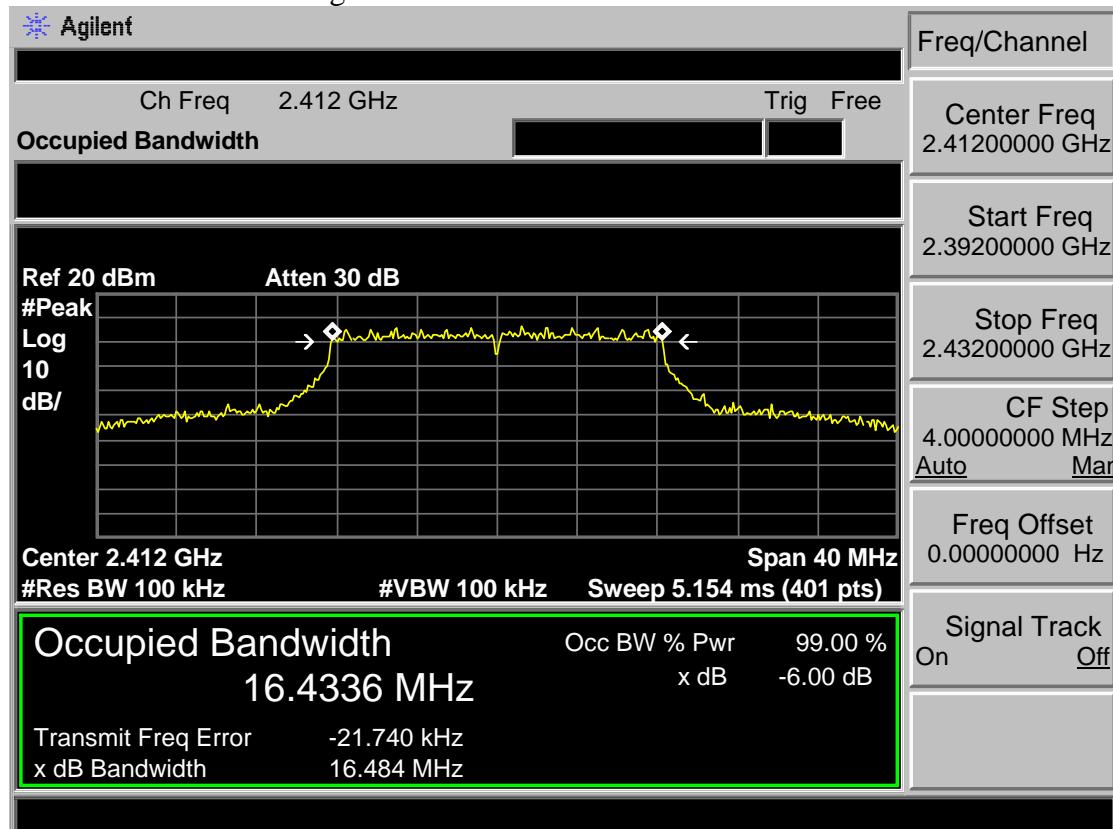
Test Mode: IEEE 802.11b 2437MHz



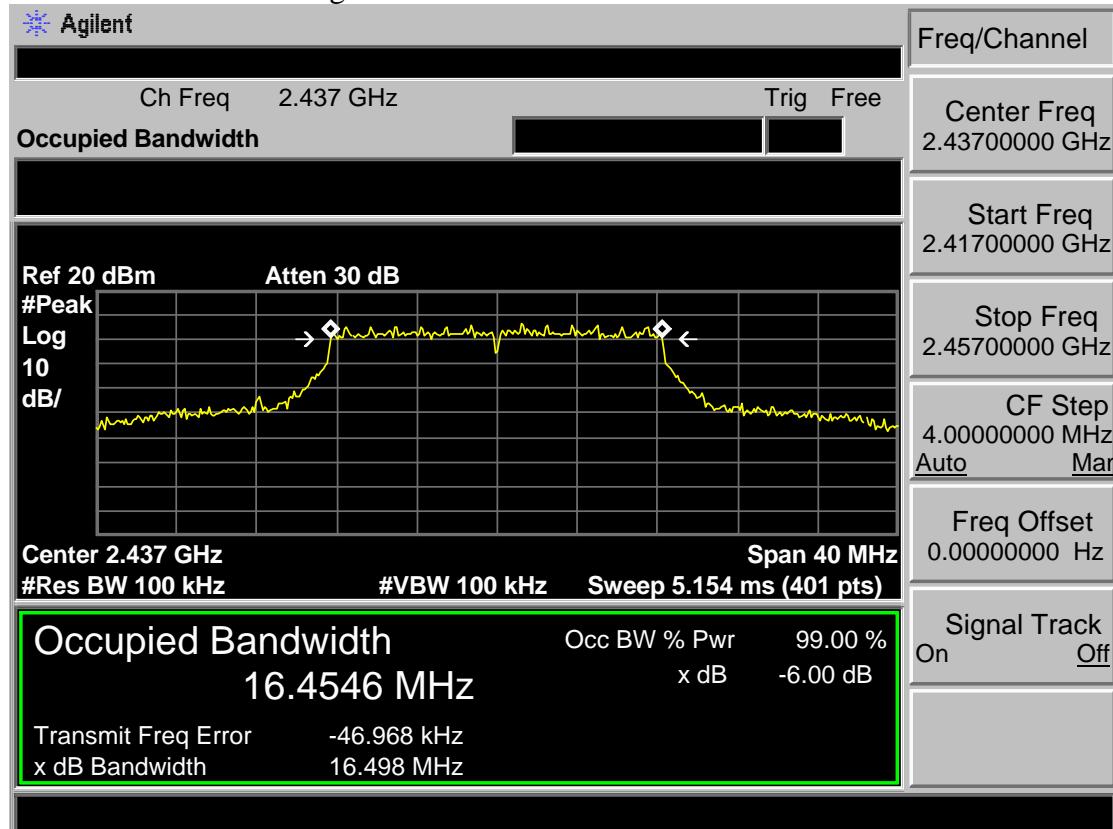
Test Mode: IEEE 802.11b 2462MHz



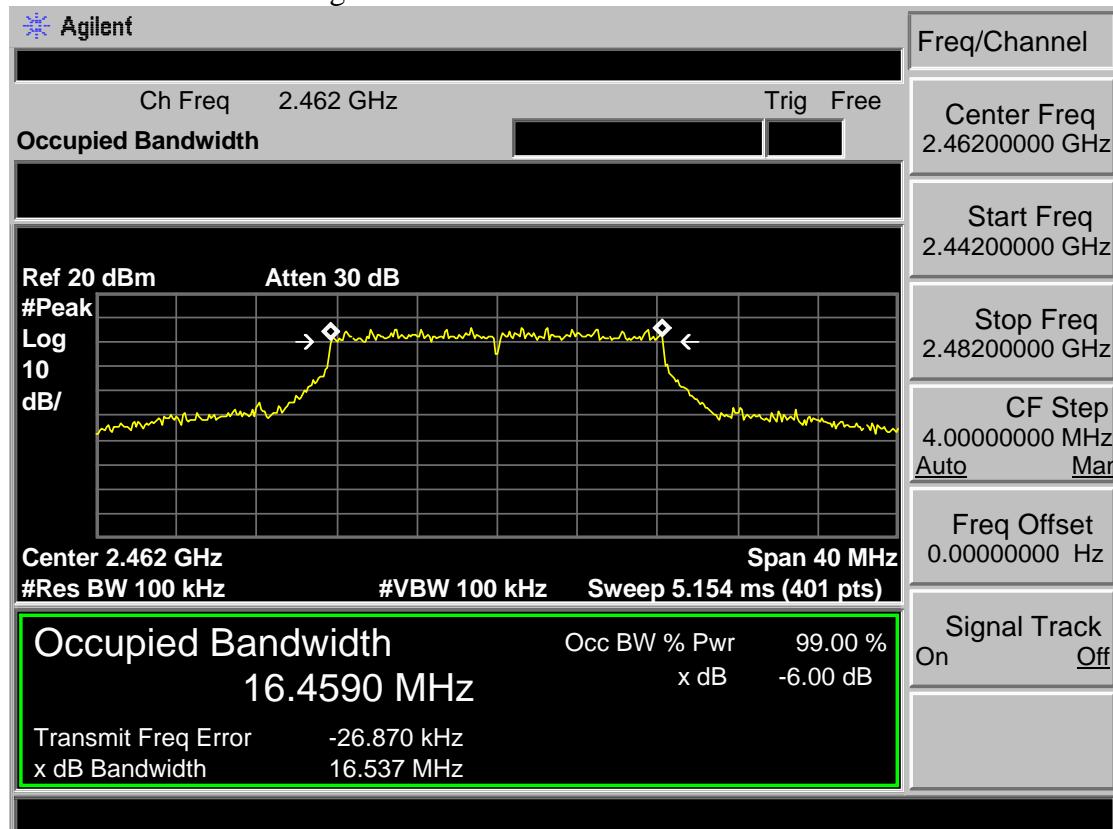
Test Mode: IEEE 802.11g 2412MHz



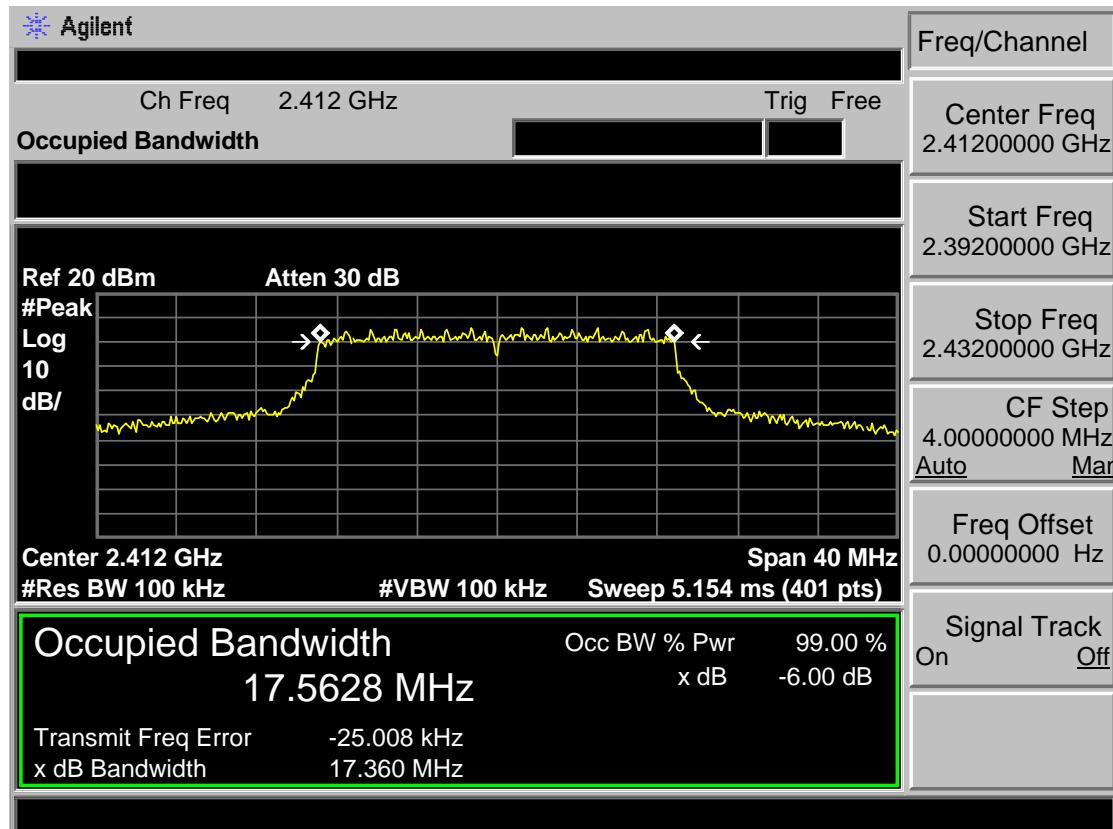
Test Mode: IEEE 802.11g 2437MHz



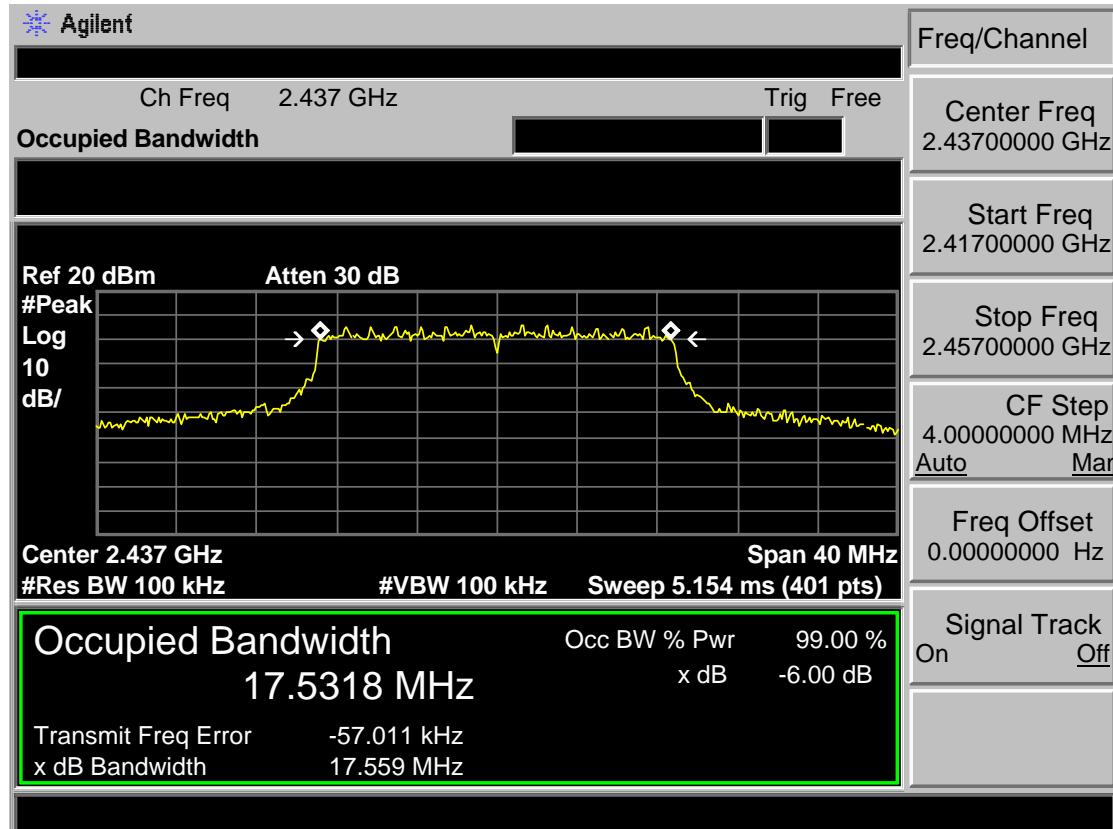
Test Mode: IEEE 802.11g 2462MHz



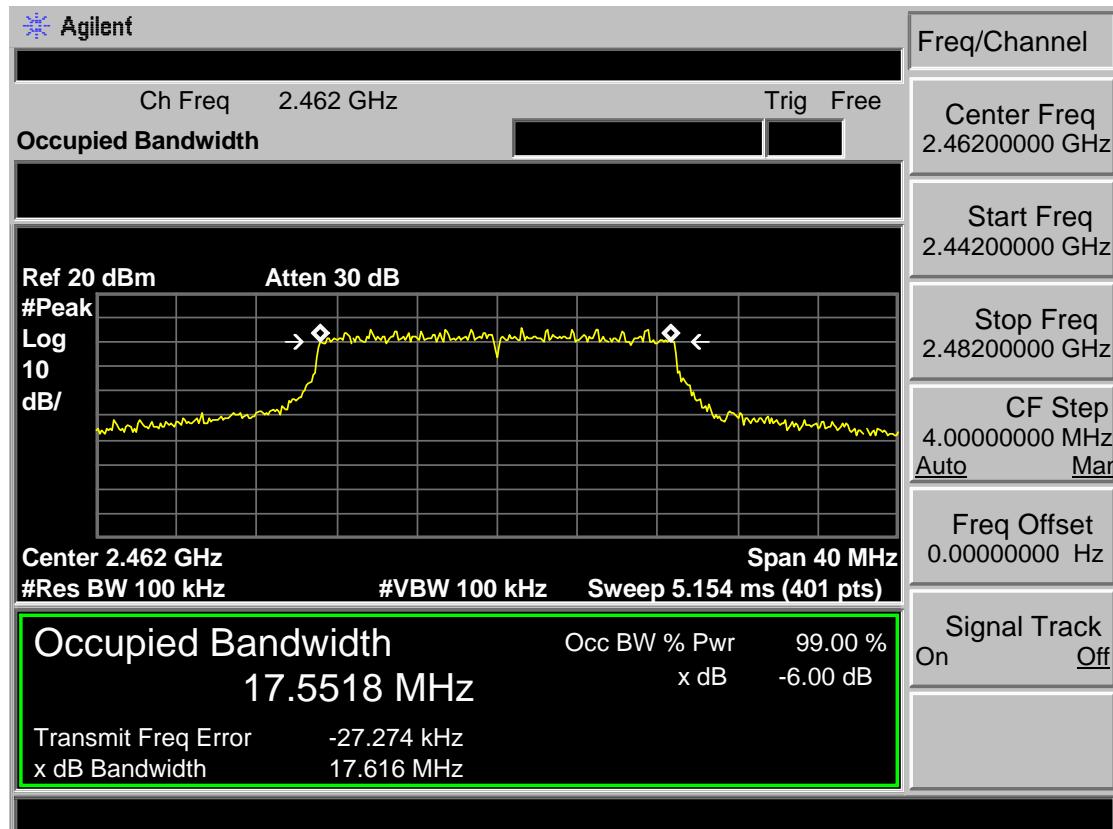
Test Mode: IEEE 802.11n HT20 2412MHz



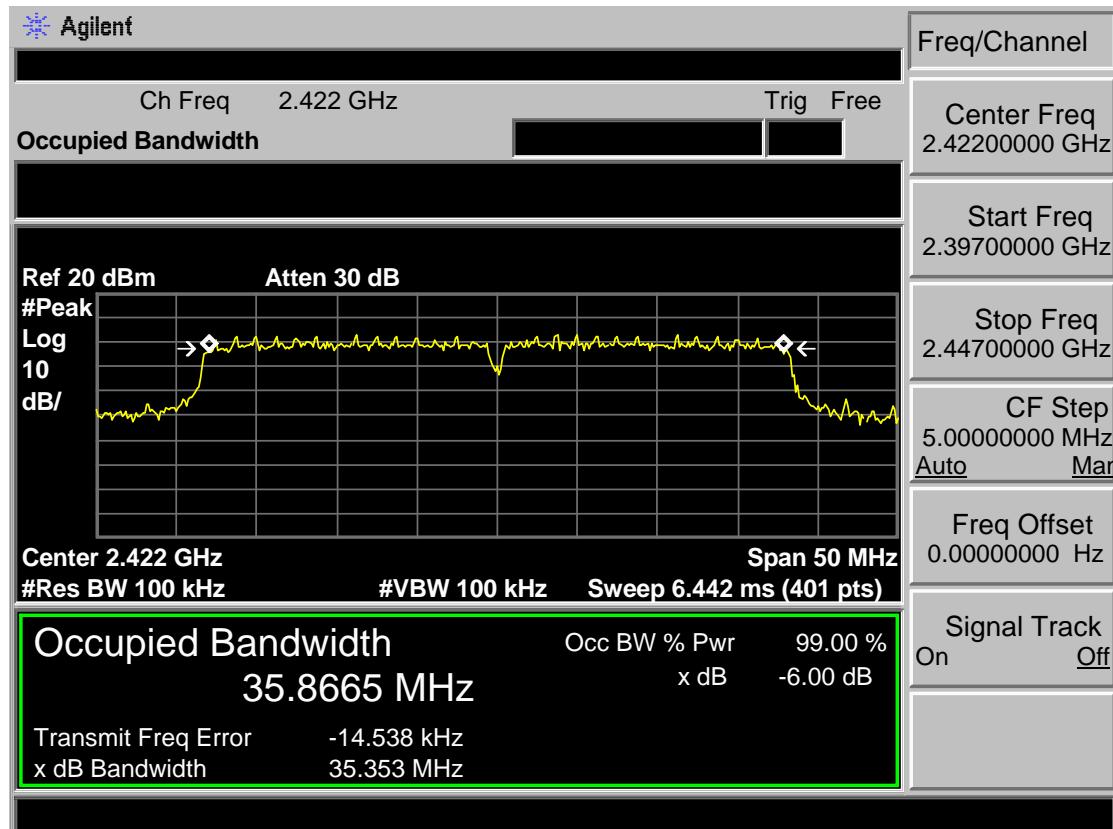
Test Mode: IEEE 802.11n HT20 2437MHz



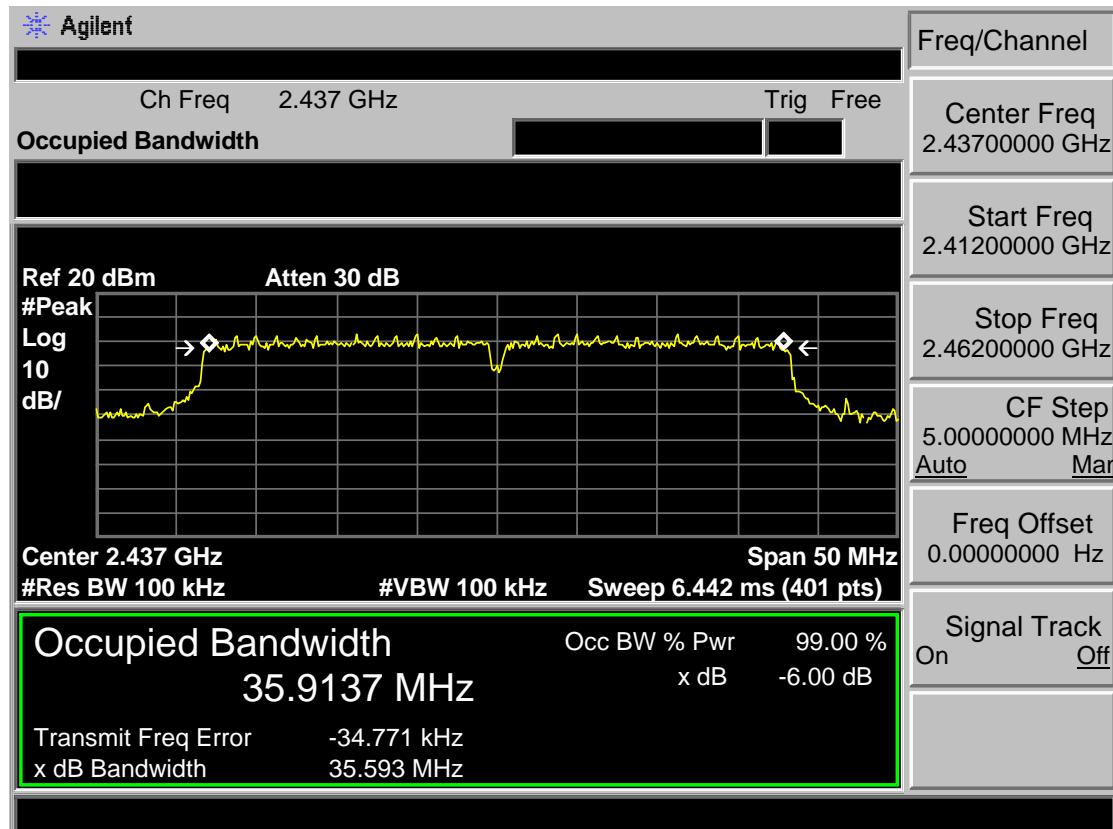
Test Mode: IEEE 802.11n HT20 2462MHz



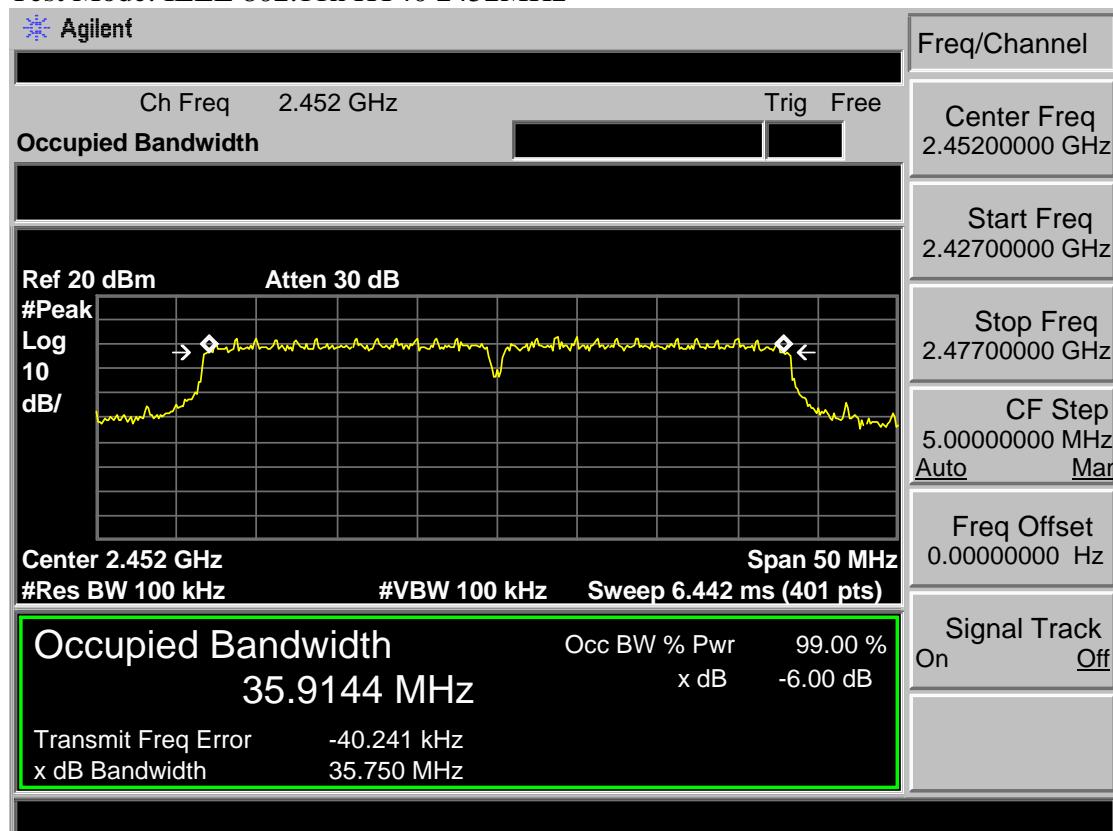
Test Mode: IEEE 802.11n HT40 2422MHz



Test Mode: IEEE 802.11n HT40 2437MHz



Test Mode: IEEE 802.11n HT40 2452MHz



7 OUTPUT POWER TEST

7.1 Limit

For systems using digital modulation in the 2400—2483.5MHz, The Peak output Power shall not exceed 1W(30dBm)

7.2 Test Procedure

7.3 Test Procedure

- 1, Connected the EUT's antenna port to spectrum analyzer device.
- 2, Follow the test procedure as described in KDB 558074
 - (1)Set span to at least 1.5 times the OBW.
 - (2)Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
 - (3)Set VBW \geq 3 x RBW.
 - (4)Number of points in sweep $\geq 2 \times$ span / RBW. (This gives bin-to-bin spacing \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
 - (4)Sweep time = auto.
 - (5)Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
 - (6)If transmit duty cycle < 98 %, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle \geq 98 %, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run”.
 - (7)Trace average at least 100 traces in power averaging (i.e., RMS) mode.
 - (8)Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

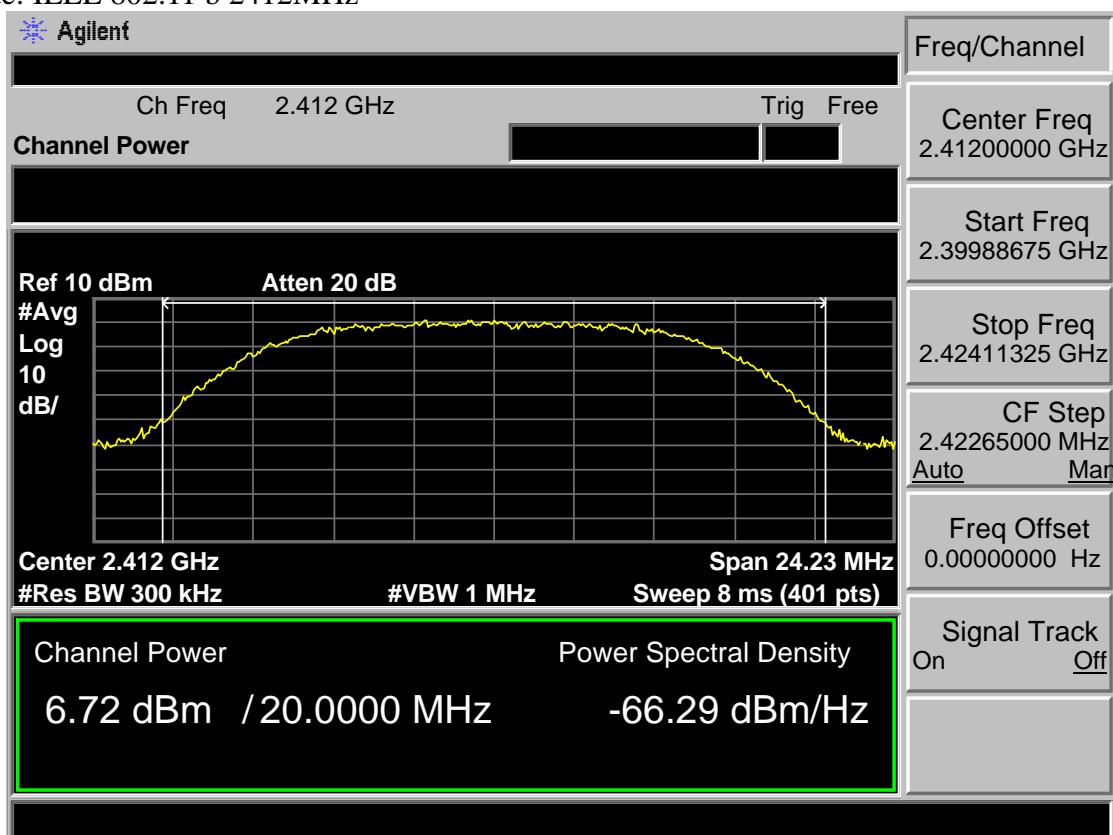
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

7.4 Test Result

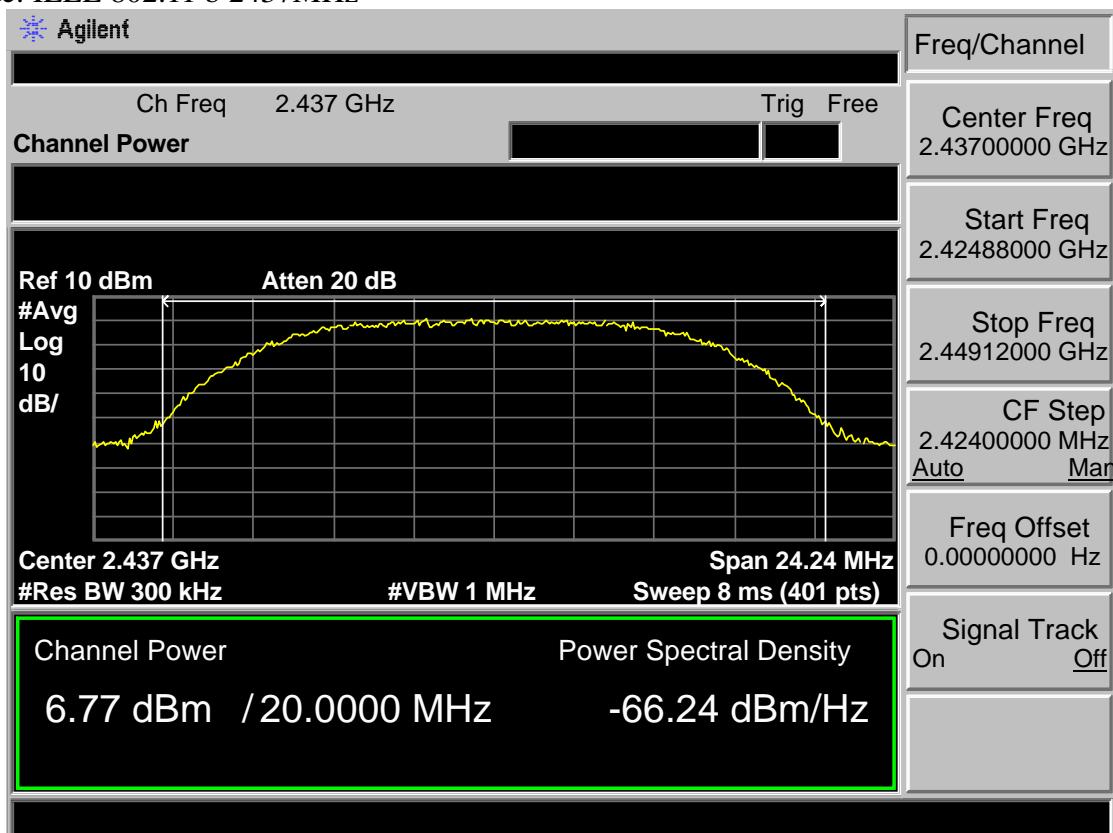
EUT: Wireless Module			
M/N: ET-WML100U			
Test date: 2015-03-08	Tested by: Tony.Tang		Test site: RF Site
Pass			
Test Mode	CH	Conducted Power (dBm)	Limit (dBm)
IEEE 802.11 b	CH1	6.72	30
	CH6	6.77	30
	CH11	7.02	30
IEEE 802.11 g	CH1	5.62	30
	CH6	5.91	30
	CH11	5.30	30
IEEE 802.11 n HT 20	CH1	4.07	30
	CH6	3.63	30
	CH11	3.98	30
IEEE 802.11 n HT 40	CH1	2.75	30
	CH4	2.14	30
	CH7	2.23	30
Conclusion : PASS			

7.5 Test Data

Test Mode: IEEE 802.11 b 2412MHz



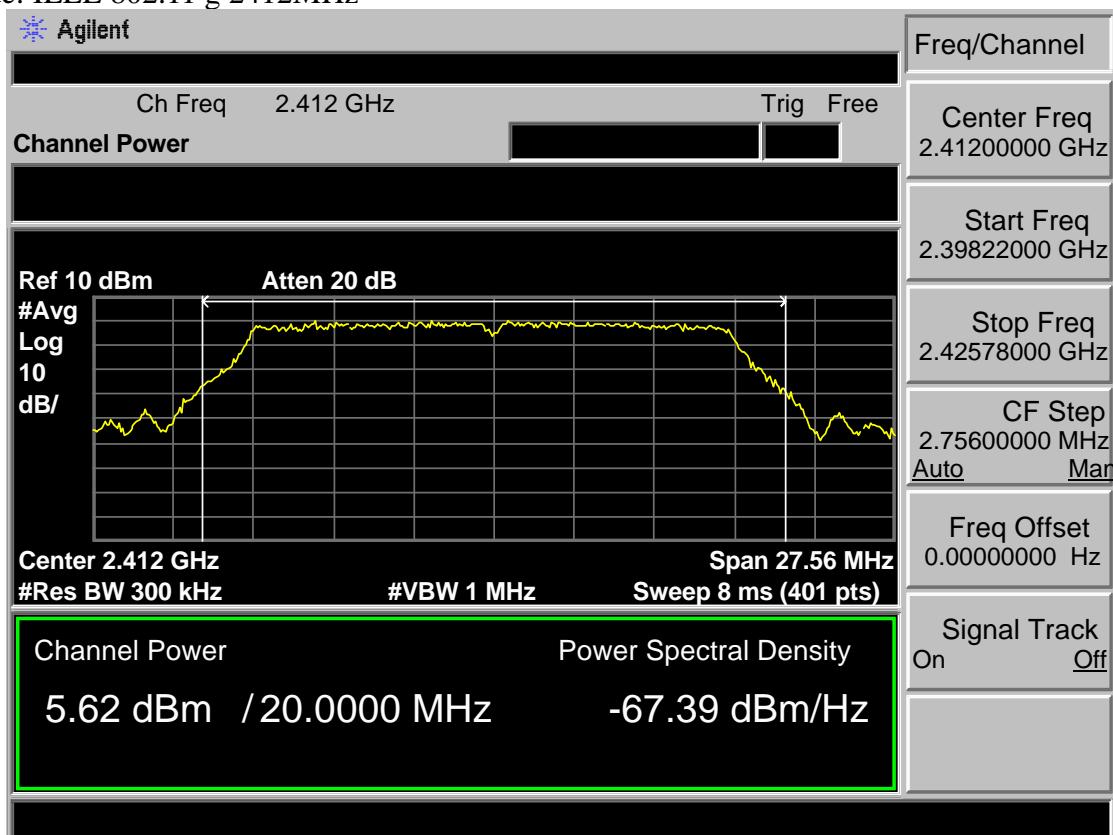
Test Mode: IEEE 802.11 b 2437MHz



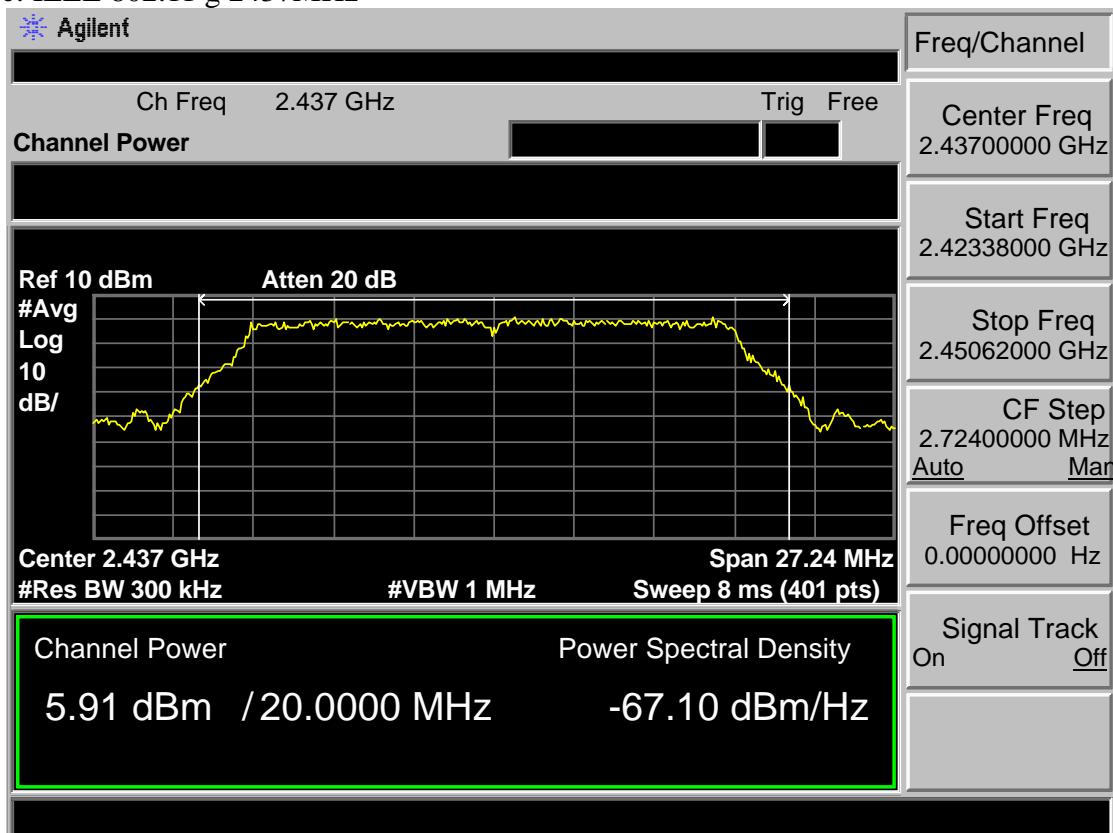
Test Mode: IEEE 802.11 b 2462MHz



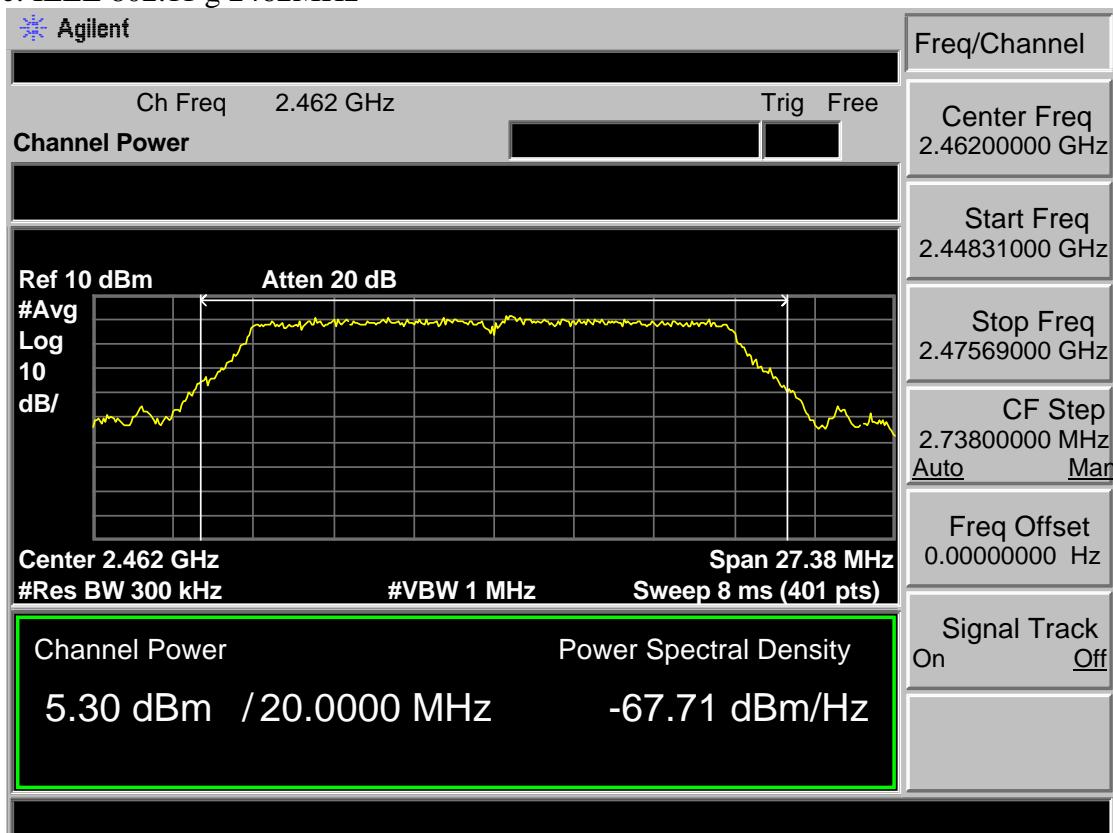
Test Mode: IEEE 802.11 g 2412MHz



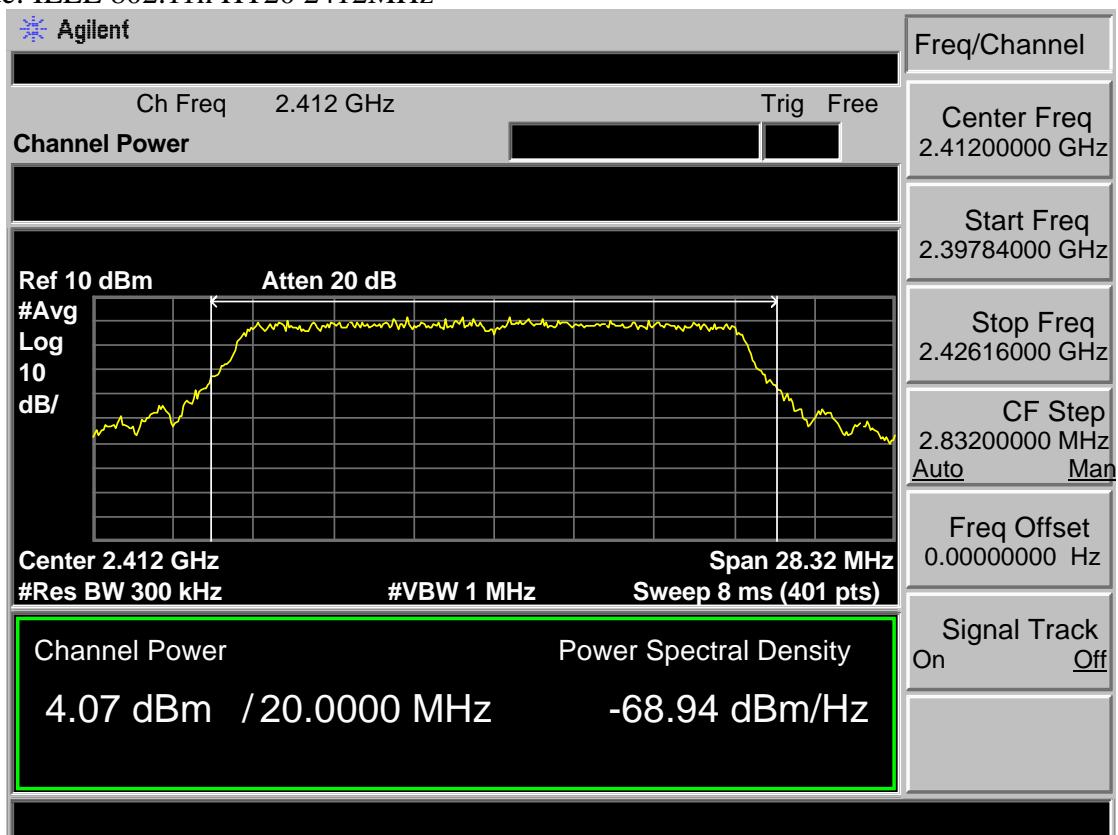
Test Mode: IEEE 802.11 g 2437MHz



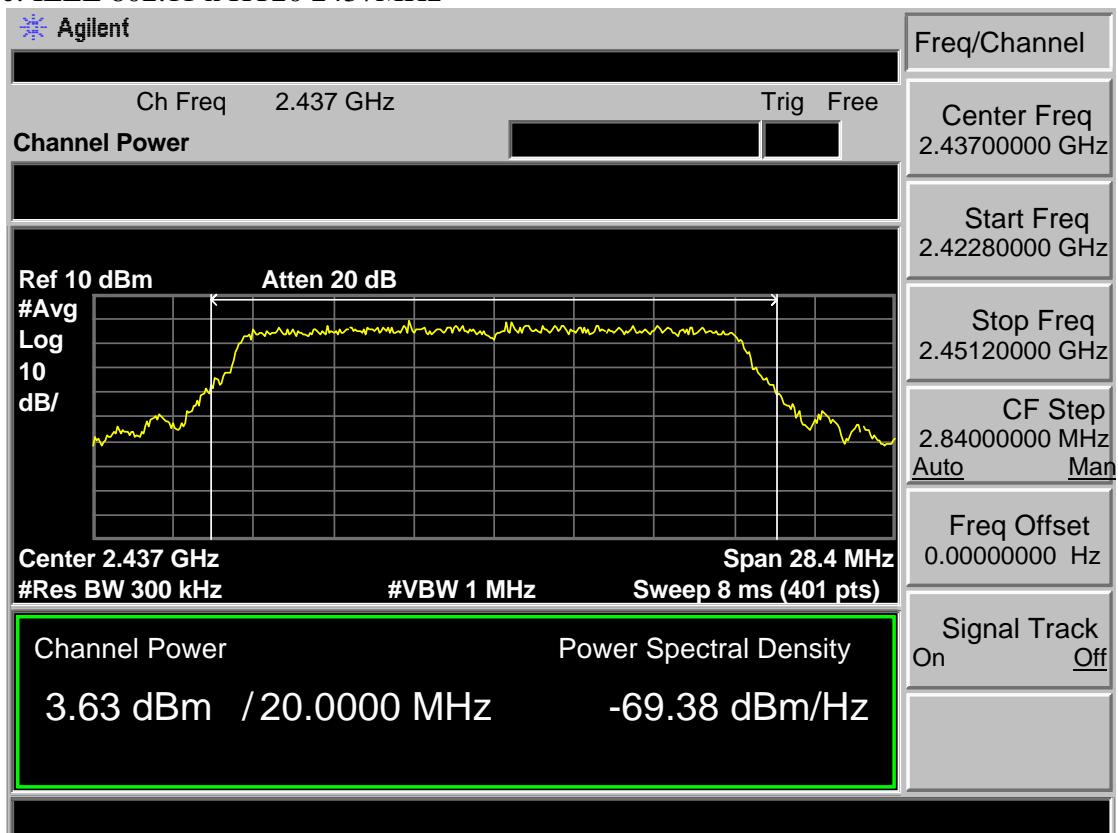
Test Mode: IEEE 802.11 g 2462MHz



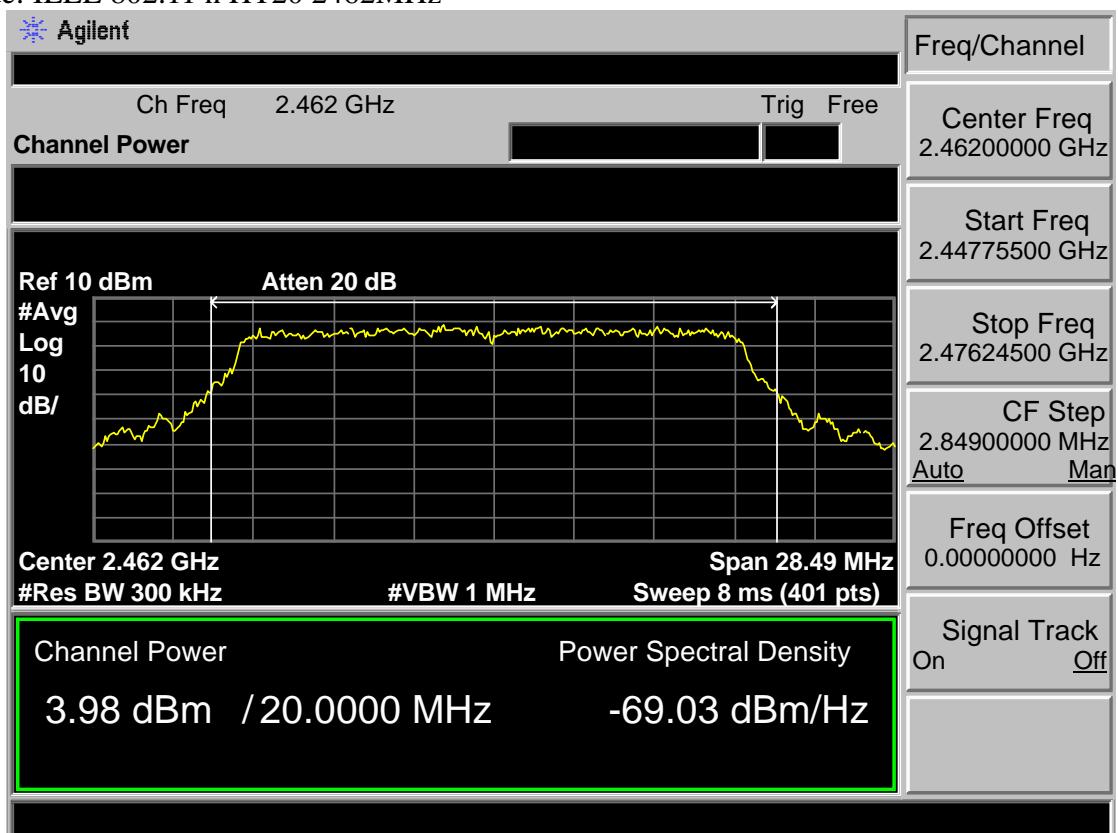
Test Mode: IEEE 802.11n HT20 2412MHz



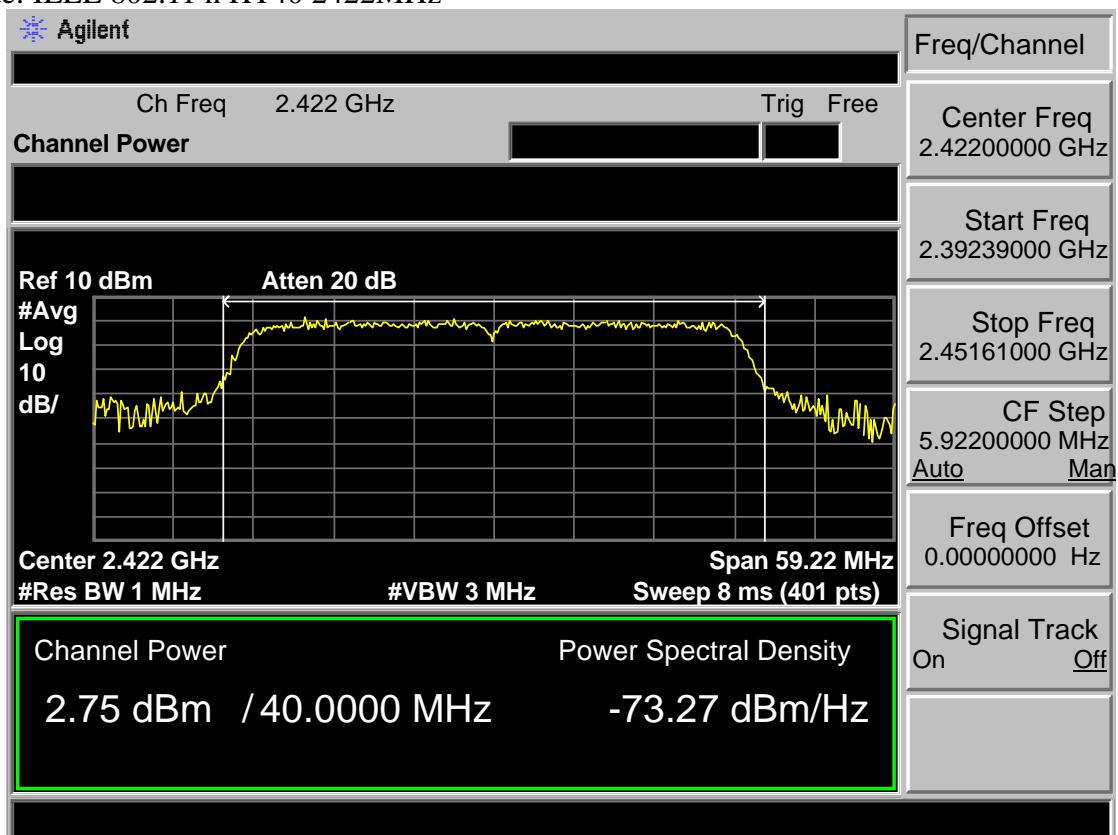
Test Mode: IEEE 802.11 n HT20 2437MHz



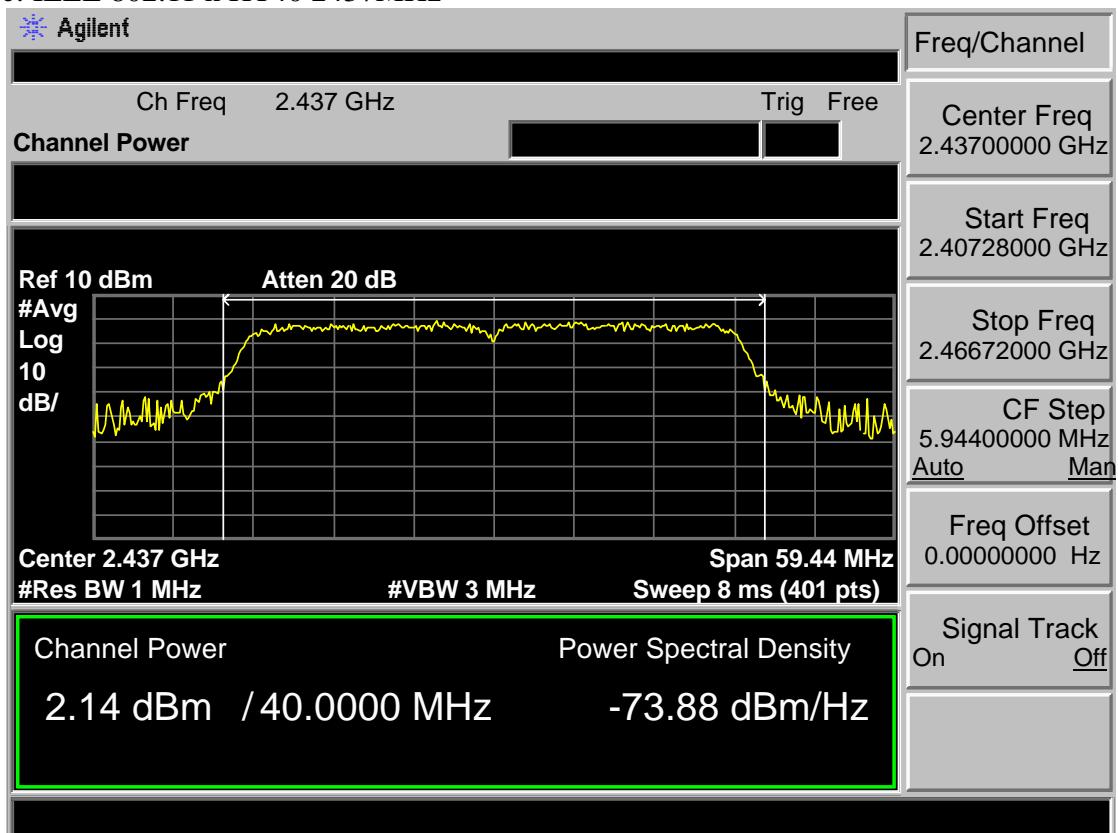
Test Mode: IEEE 802.11 n HT20 2462MHz



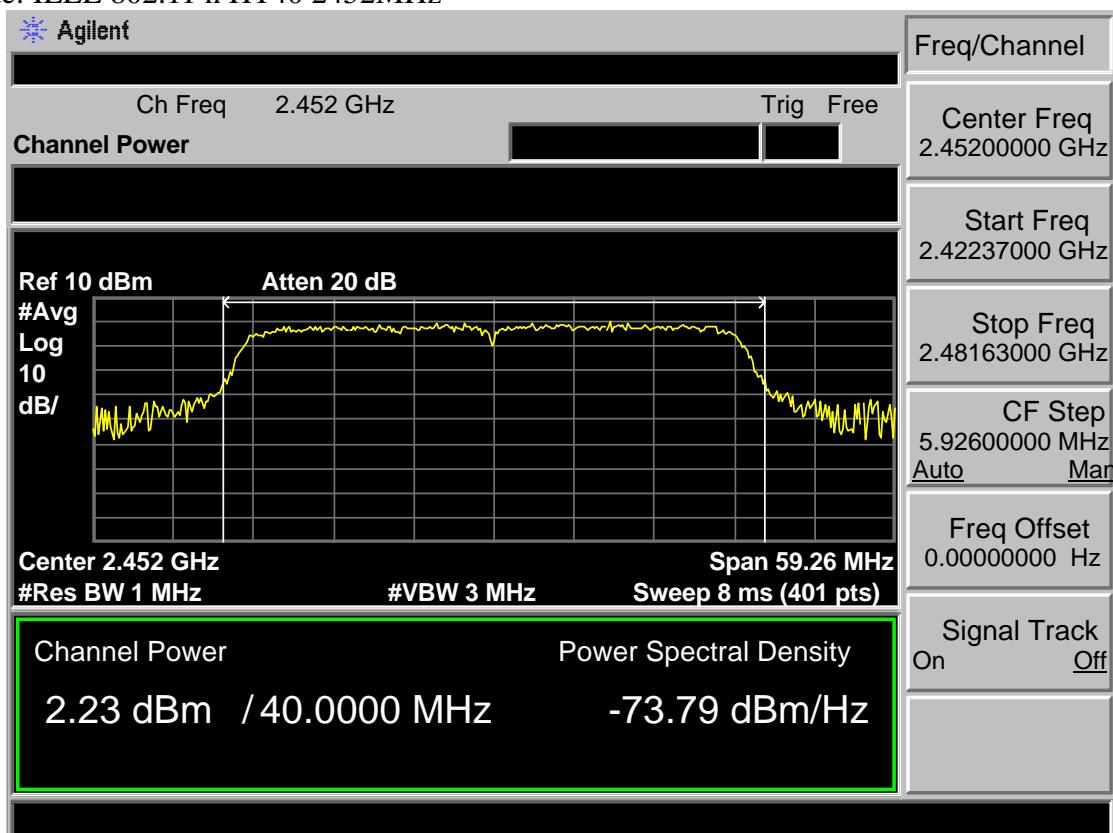
Test Mode: IEEE 802.11 n HT40 2422MHz



Test Mode: IEEE 802.11 n HT40 2437MHz



Test Mode: IEEE 802.11 n HT40 2452MHz



8 POWER SPECTRAL DENSITY TEST

8.1 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.

8.2 Test Procedure

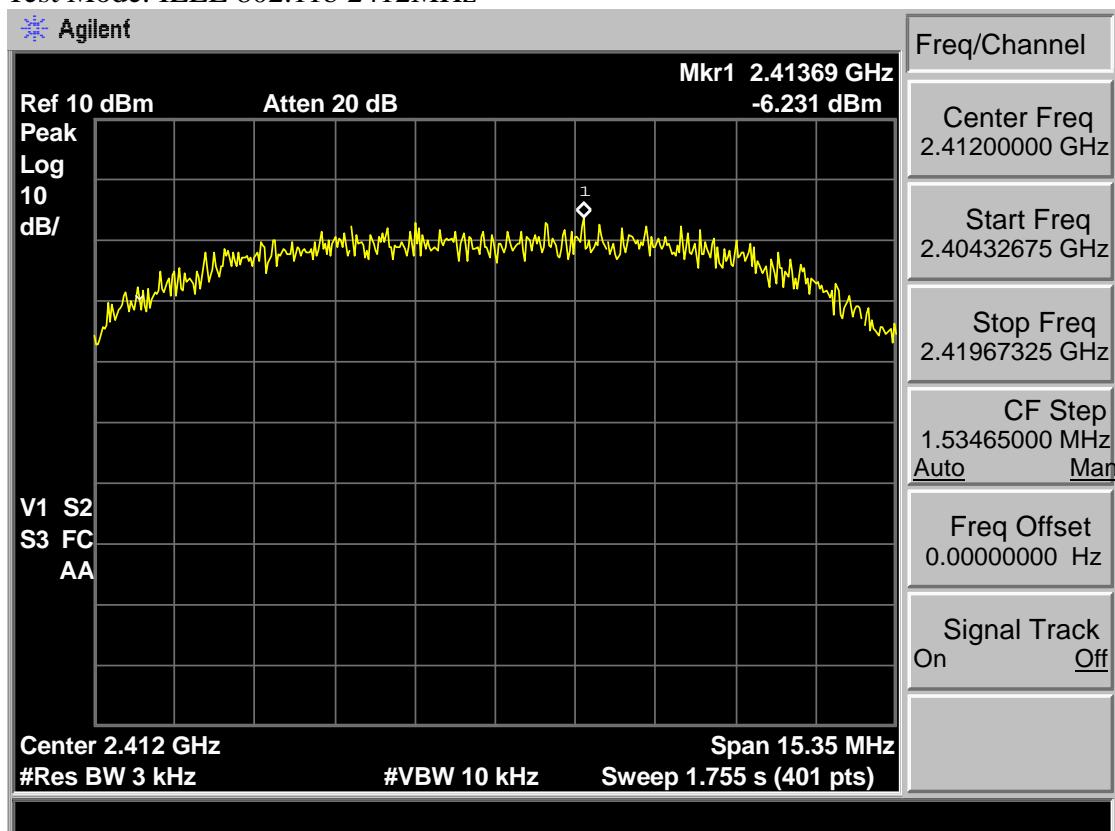
- 1, Connected the EUT's antenna port to spectrum analyzer device.
- 2, Follow the test procedure as described in KDB 558074
 - (1). Set analyzer center frequency to DTS channel center frequency.
 - (2). Set the span to 1.5 times the DTS bandwidth.
 - (3). Set the RBW to: $3 \text{ kHz} \leqslant \text{RBW} \leqslant 100 \text{ kHz}$.
 - (4). Set the VBW $\geqslant 3 \text{ RBW}$.
 - (5). Detector = peak.
 - (6). Sweep time = auto couple.
 - (7). Trace mode = max hold.
 - (8). Allow trace to fully stabilize.
 - (9). Use the peak marker function to determine the maximum amplitude level.
 - (10). If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

8.3 Test Result

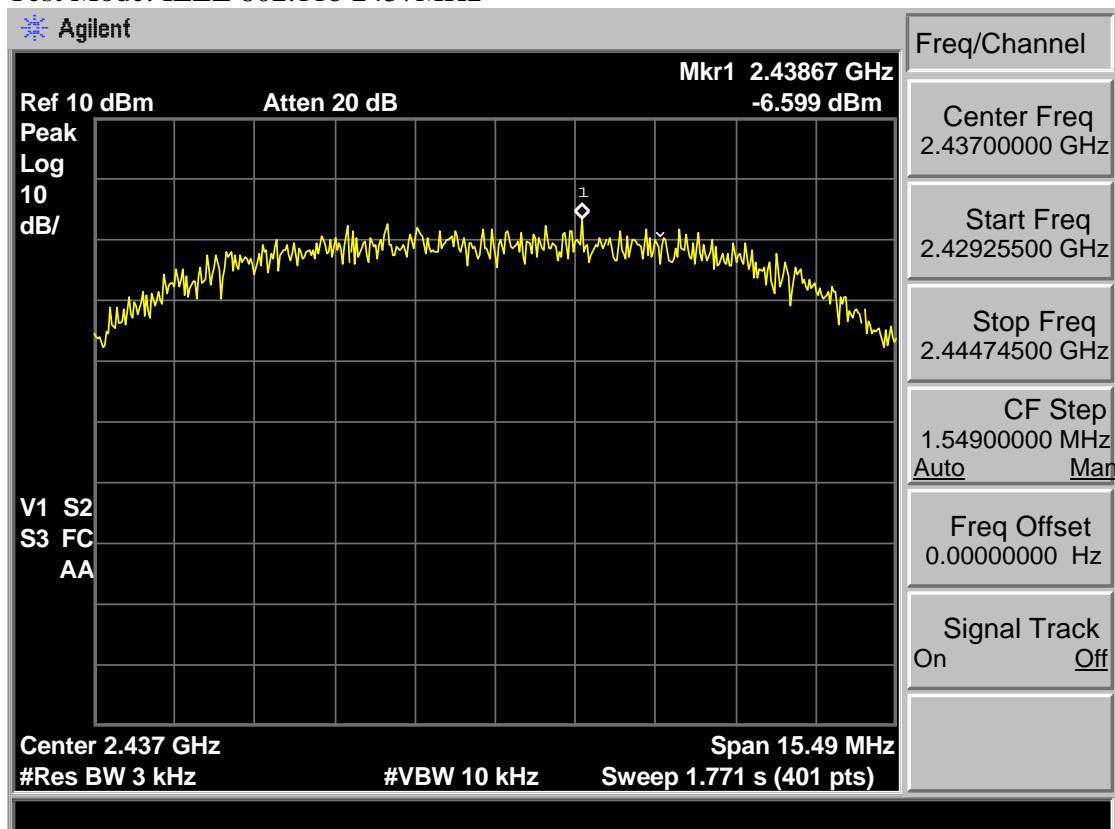
EUT: Wireless Module			
M/N: ET-WML100U			
Test date: 2015-03-07		Tested by: Tony Tang	Test site: RF site
Pass			
Test Mode	CH	Power density (dBm/3kHz)	Limit (dBm/3kHz)
IEEE 802.11 b	CH1	-6.23	8
	CH6	-6.60	8
	CH11	-6.58	8
IEEE 802.11 g	CH1	-11.98	8
	CH6	-12.50	8
	CH11	-12.07	8
IEEE 802.11 n HT 20	CH1	-12.13	8
	CH6	-11.85	8
	CH11	-11.59	8
IEEE 802.11 n HT 40	CH1	-19.65	8
	CH4	-19.89	8
	CH7	-19.61	8
Conclusion: PASS			

8.4 Test Data

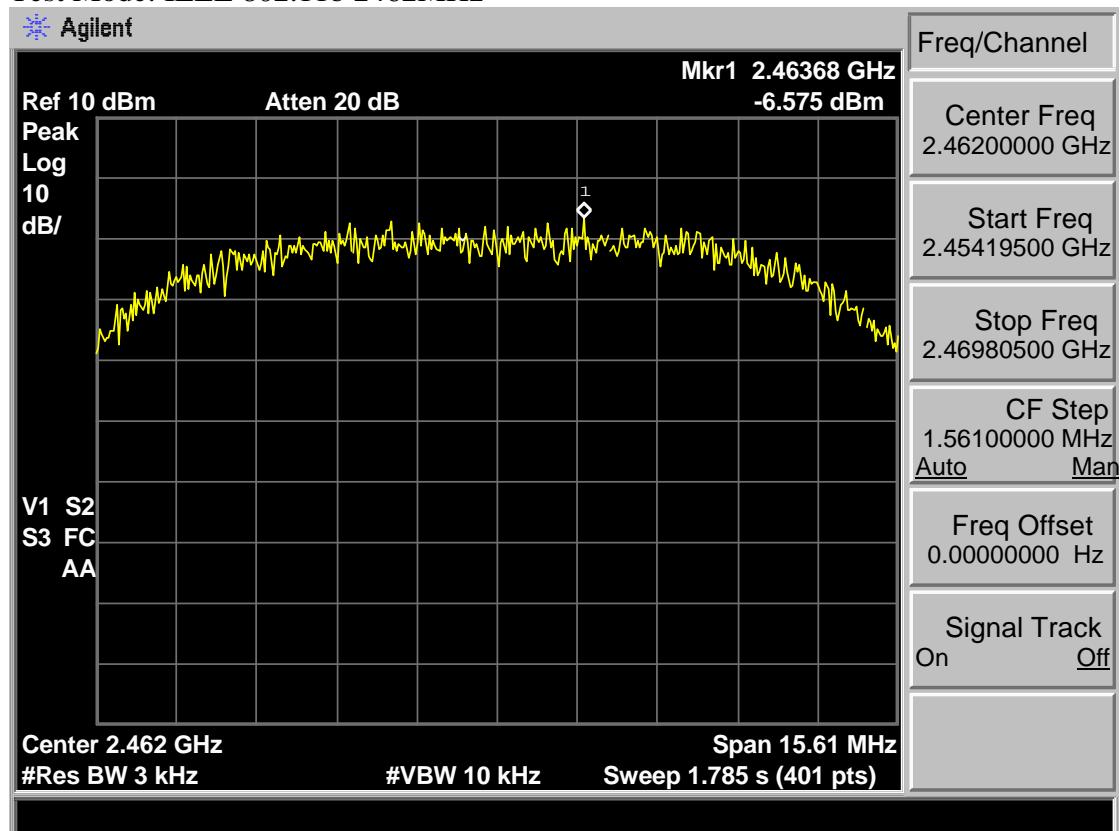
Test Mode: IEEE 802.11b 2412MHz



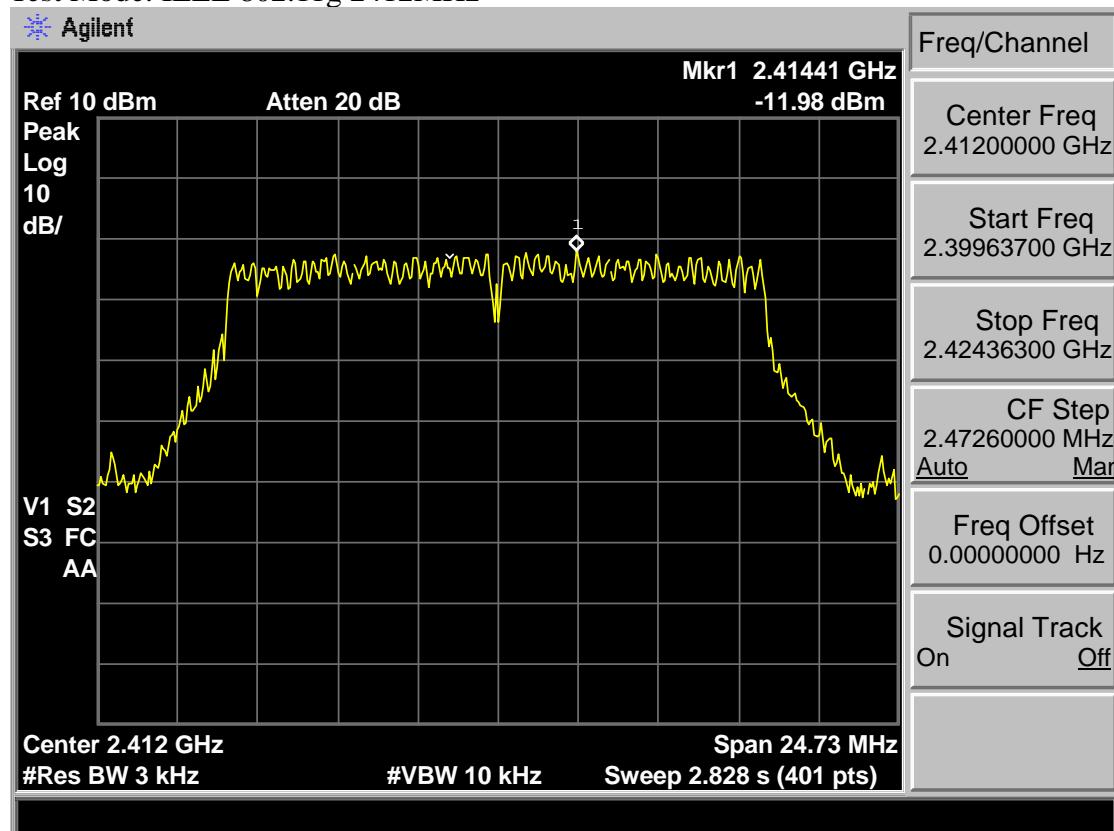
Test Mode: IEEE 802.11b 2437MHz



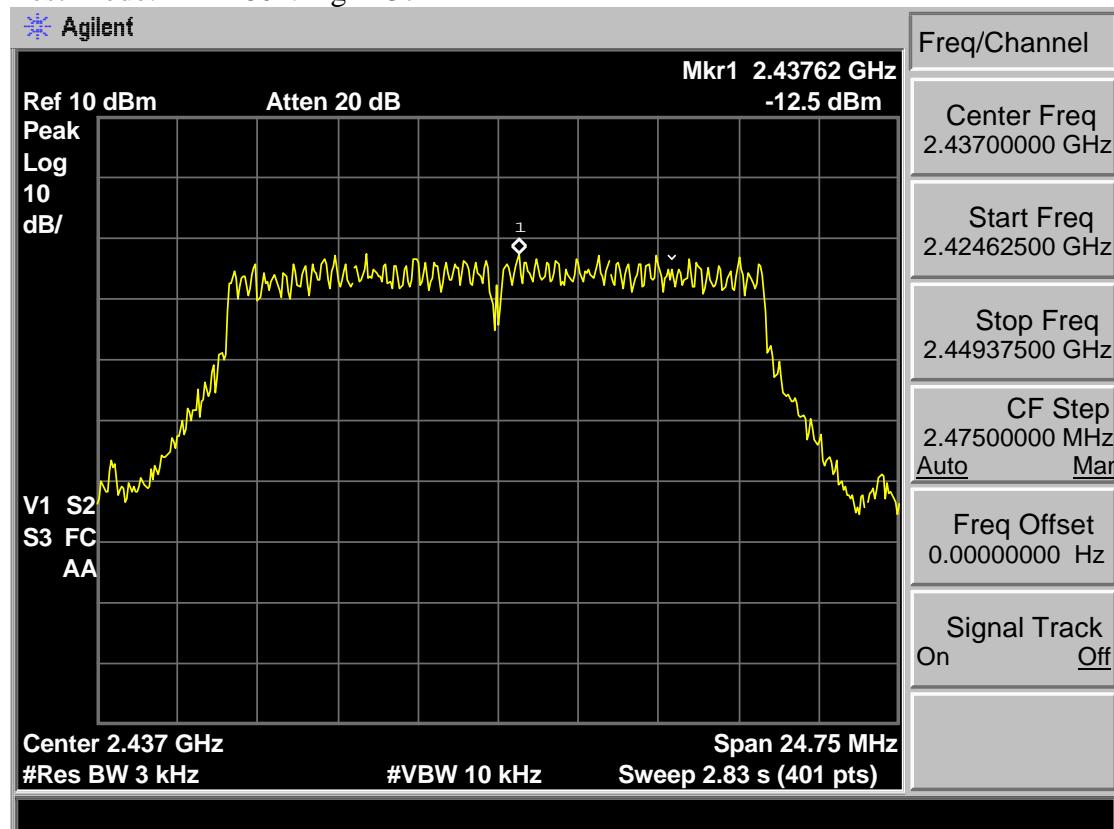
Test Mode: IEEE 802.11b 2462MHz



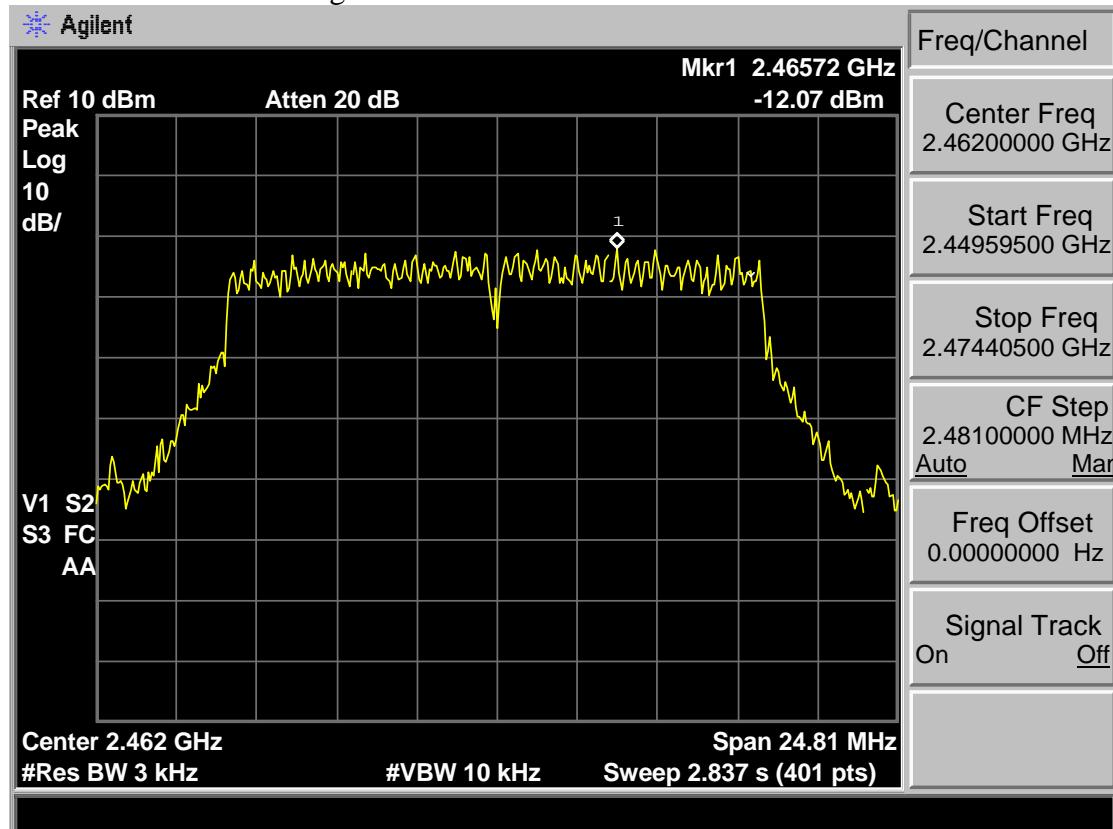
Test Mode: IEEE 802.11g 2412MHz



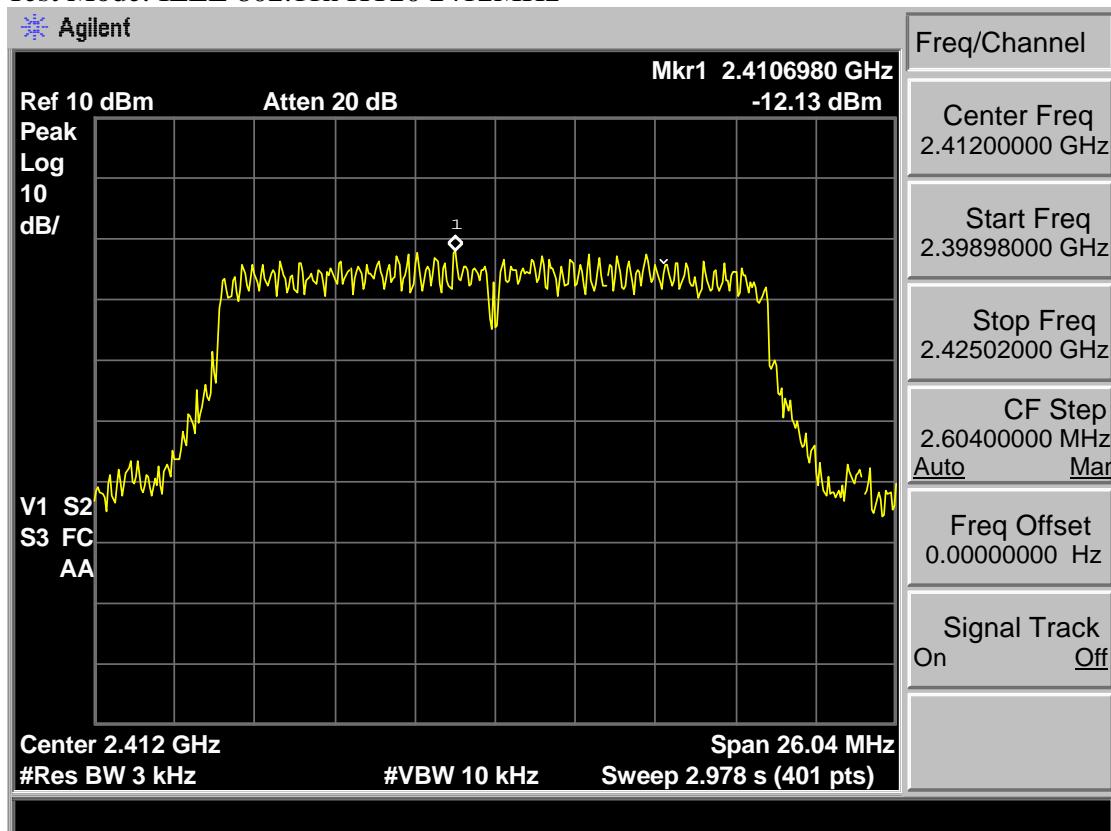
Test Mode: IEEE 802.11g 2437MHz



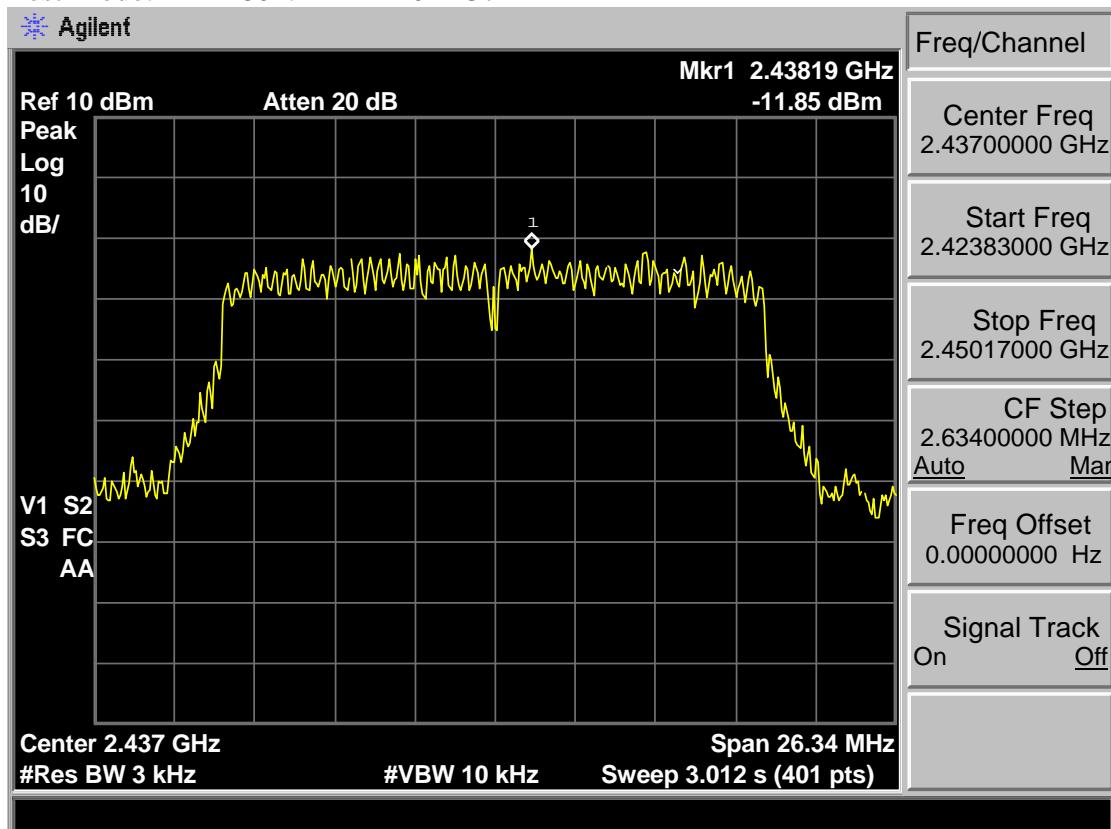
Test Mode: IEEE 802.11g 2462MHz



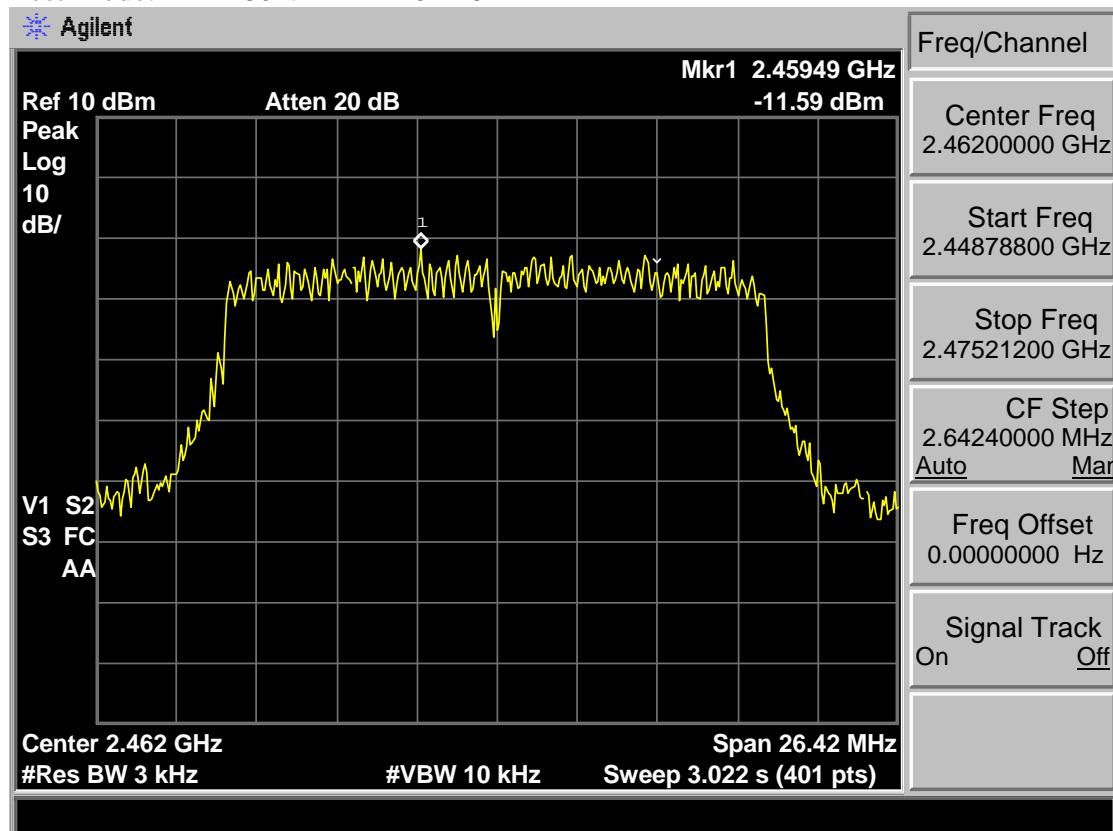
Test Mode: IEEE 802.11n HT20 2412MHz



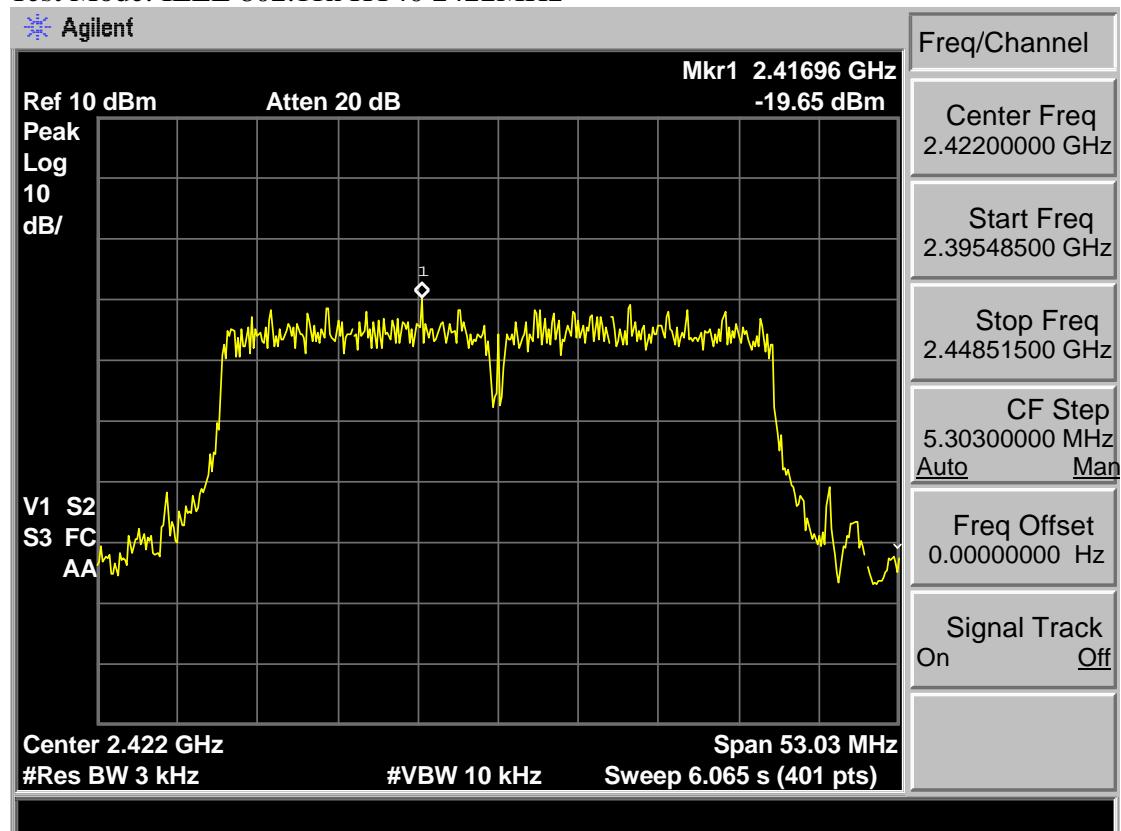
Test Mode: IEEE 802.11n HT20 2437MHz



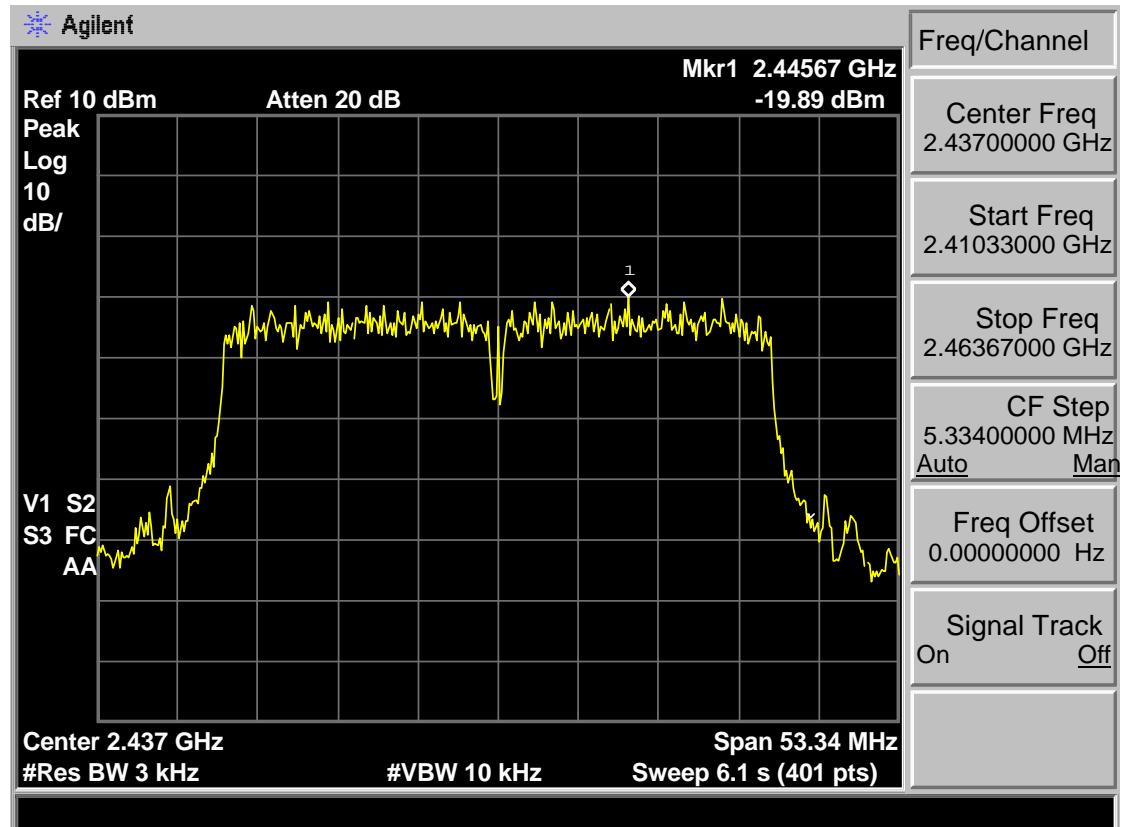
Test Mode: IEEE 802.11n HT20 2462MHz



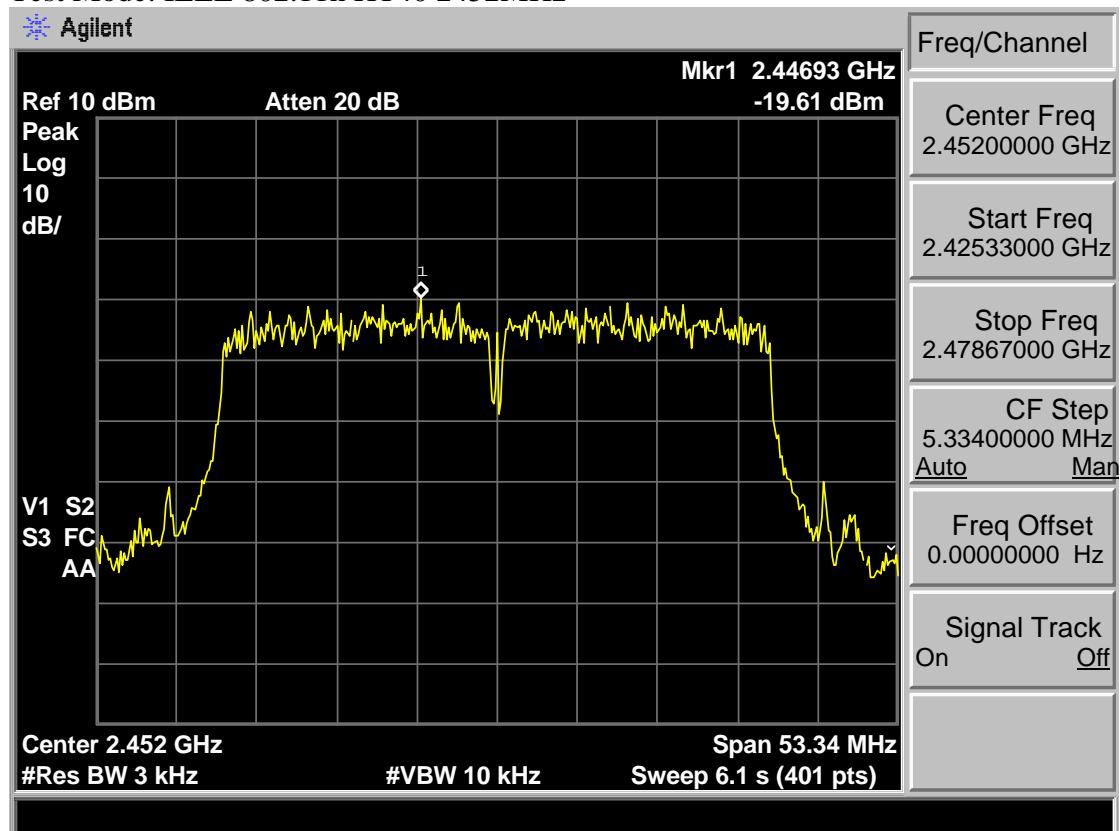
Test Mode: IEEE 802.11n HT40 2422MHz



Test Mode: IEEE 802.11n HT40 2437MHz



Test Mode: IEEE 802.11n HT40 2452MHz



9 ANTENNA REQUIREMENTS

9.1 Limit

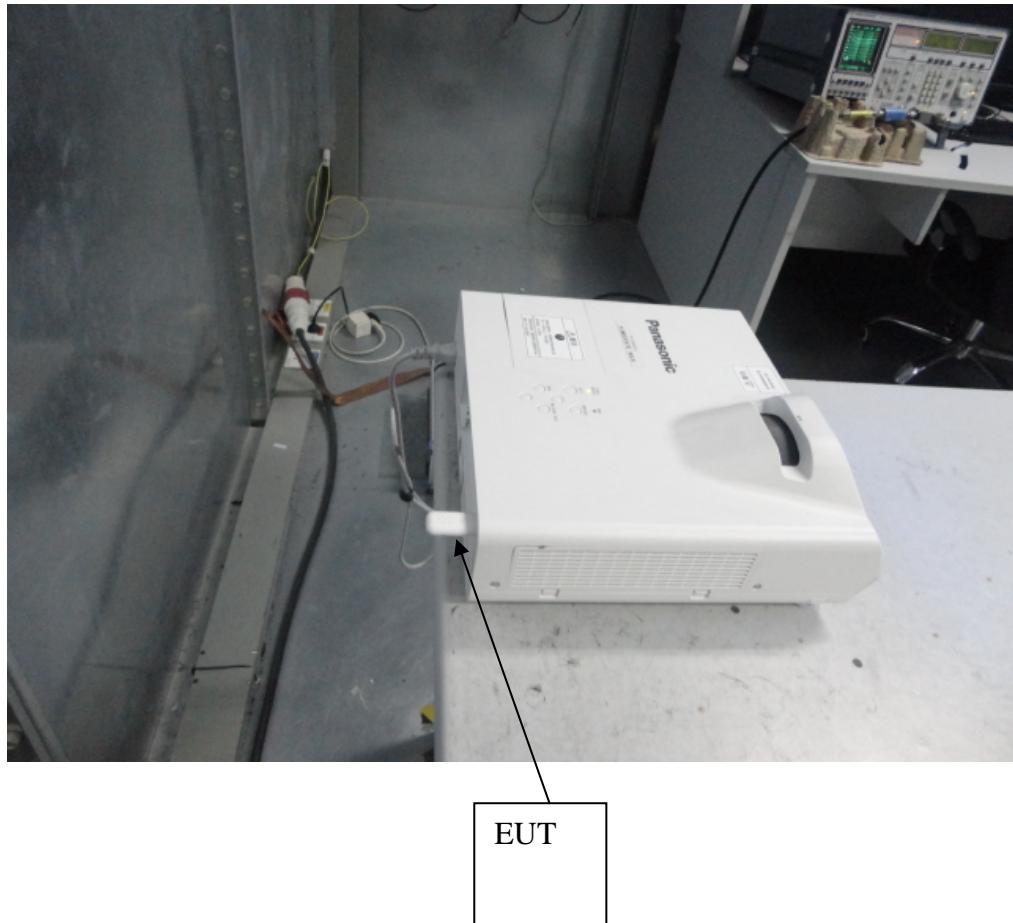
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional 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.

9.2 Result

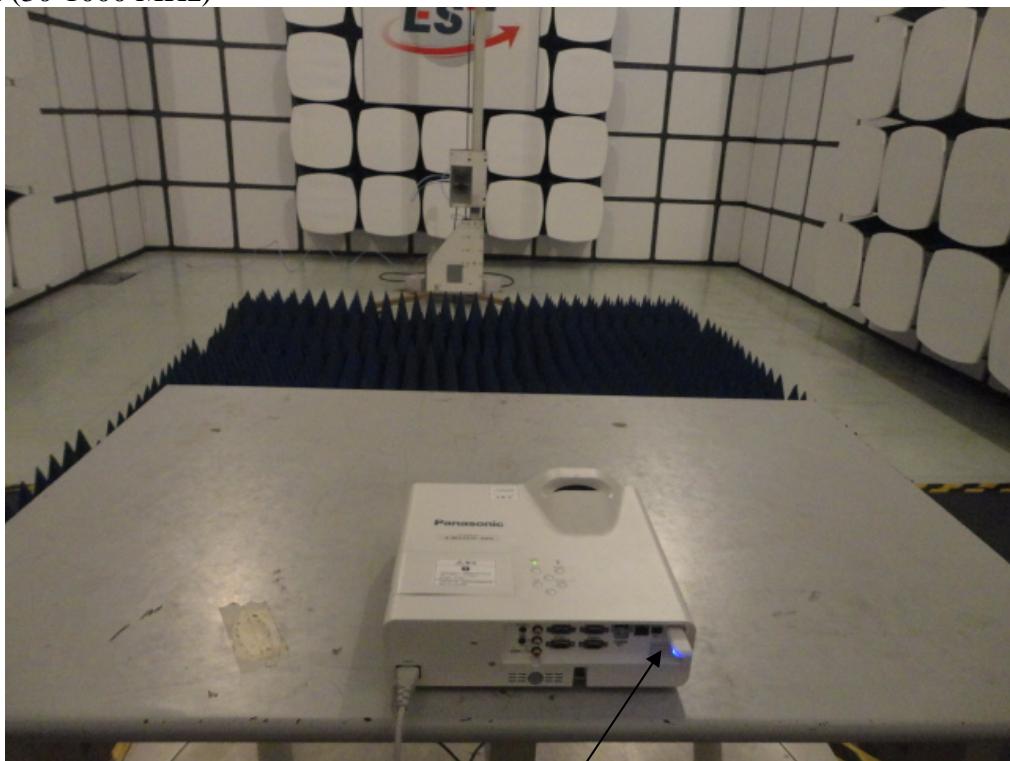
The antennas used for this product are Integral antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2 dBi.

10 TEST SETUP PHOTO

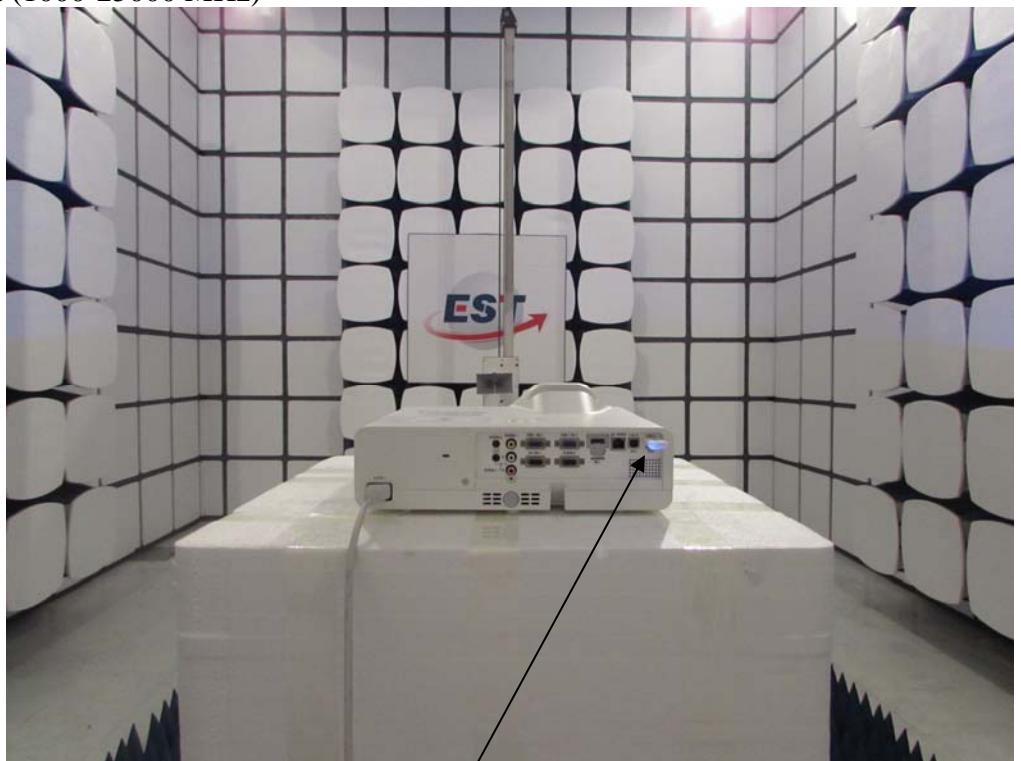
Conducted Test



Radiated Test (30-1000 MHz)



Radiated Test (1000-25000 MHz)



11 PHOTOS OF EUT

External Photos
M/N: ET-WML100U



External Photos
M/N: ET-WML100U



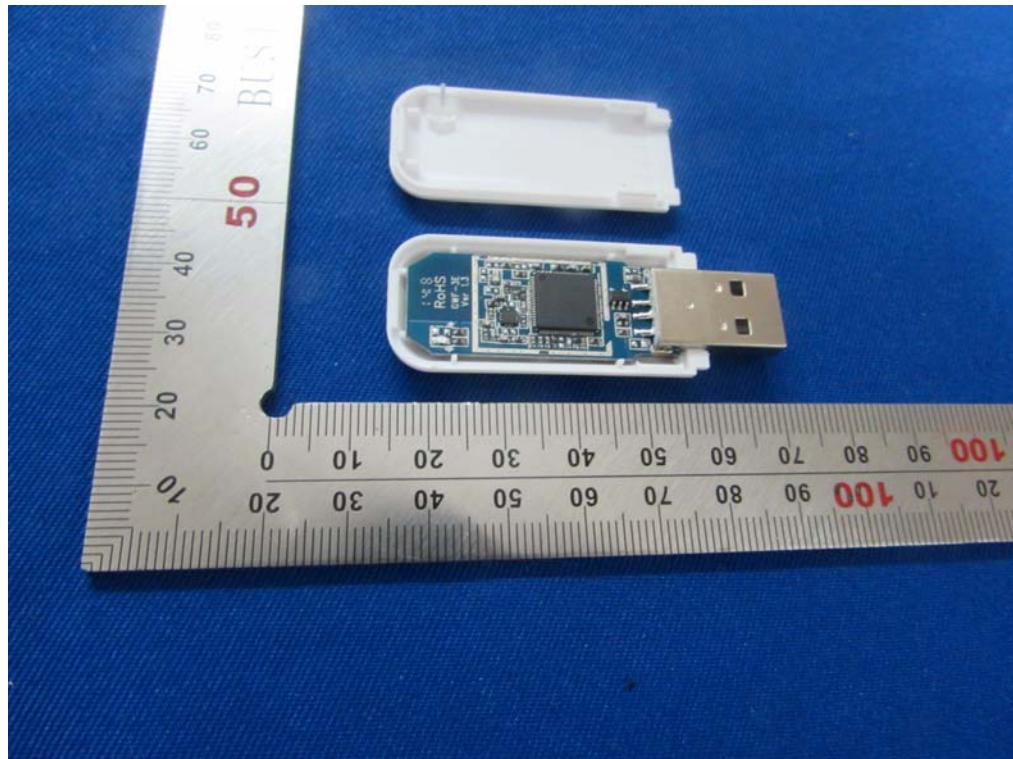
External Photos
M/N: ET-WML100U



External Photos
M/N: ET-WML100U



Internal Photos
M/N: ET-WML100U



Internal Photos
M/N: ET-WML100U

