

FCC Certification Test Report

TVMINING(BEIJING)MEDIA TECHNOLOGY CO.,LTD.

SUNTV BOX

MODEL: TFD-05-XX

FCC ID: R2J-STTFD5

REPORT# RBJ130122F-01 Rev 0
22th.01.2013

Prepared for:

TVMining(Beijing)Media Technology Co.,Ltd.
E818, West Wing, Yonghe Plaza. No.28 AnDingMen East street, BeiJing, CN

Prepared By:

Washington International Technology Limited

FCC Certification Test Report

For the
TVMINING(BEIJING)MEDIA TECHNOLOGY CO.,LTD.
SUNTV BOX
MODEL: TFD-05-XX
FCC ID: R2J-STTFD5

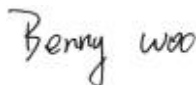
WLL REPORT# **RBJ120122F-01 Rev 0**
22th.01.2013

Prepared by:



David Li

Reviewed by:



Benny wu

Abstract

This report has been prepared on behalf of TVMINING(BEIJING)MEDIA TECHNOLOGY CO.,LTD. to support the attached Application for Equipment Authorization. The test report and application are submitted for a Spread Spectrum Transceiver under Part 15.247 of the FCC Rules and Regulations. This Federal Communication Commission (FCC) Certification Test Report documents the test configuration and test results for a TVMINING(BEIJING)MEDIA TECHNOLOGY CO.,LTD. SUNTV Box.

Testing was performed on an 966 Chamber of Inventec Appliances (Pudong) Co.,Ltd. No.789 PuXing Road,ShangHai,China Inventec Appliances (Pudong) Co.,Ltd. has been accepted by the FCC, the FCC Registration Number is 492199.

And Testing was performed by SIMT EMC Lab 716 Yi Shan Road, Shanghai. SIMT EMC Lab has been accepted by the FCC, the FCC Registration Number is 142171.

The SUNTV Box is an IEEE 802.11b/802.11g/802.11n compliant device and complies with the limits for a Direct Sequence Spread Spectrum Transmitter device under Part 15.247 of the FCC Rules and Regulations.

Revision History	Reason	Date
Rev 0	Initial Release	22 th .01.2013

Table of Contents

Abstract	ii
1 Introduction	1
1.1 Compliance Statement	1
1.2 Contract Information.....	1
1.3 Test Dates	1
1.4 Abbreviations.....	2
2 Equipment Under Test	3
2.1 EUT Identification	3
2.2 EUT Description	4
2.3 Test Configuration	5
2.4 Equipment Configuration	6
2.5 EUT Modifications	6
2.6 Testing Algorithm.....	6
2.7 Test Location	6
2.8 Measurements	6
2.9 Measurement Uncertainty	6
3 Test Equipment	9
4 Test Results	10
4.1 RF Power Output:	10
4.2 RF Power Spectral Density.....	13
4.3 Occupied Bandwidth.....	20
4.4 Spurious Emissions at Antenna Terminals (FCC Part §15.247(b))	27
4.5 Radiated Spurious Emissions: (FCC Part §15.247(c)).....	35
4.6 Band Edge Measurements(Conducted).....	87
4.7 Band Edge Measurements (Radiated).....	92
4.8 AC Powerline Conducted Emissions: (FCC Part §15.207)	108

List of Tables

Table 1: Overview of SUNTV Box, Equipment Under Test	3
Table 2: Equipment Configuration.....	6
Table 3: Expanded Uncertainty List.....	7
Table 4: Test Equipment List.....	9
Table 5 RF Power Output	11
Table 6 RF Power Spectral Density	13
Table 7 Occupied Bandwidth Results.....	27
Table 8: Radiated Emission Test Data(Below 1GHz)	36
Table 9 Radiated Emission Test Data(Above 1GHz)	63
Table 10 Band Edge Measurements (Conducted)	88
Table 11 Band Edge Measurements (Radiated)	93

List of Figures

Figure 1: Test Configuration.....	5
-----------------------------------	---

1 Introduction

1.1 Compliance Statement

After the modifications listed in Section 2.5 were installed:

The TVMining(Beijing)Media Technology Co.,Ltd. SUNTV Box complies with the limits for a Spread Spectrum Transceiver device under Part 15.247 of the FCC Rules and Regulations.

Test Scope Summary

Tests for radiated and conducted emissions were performed. All measurements were performed according to the 2009 version of ANSI C63.10

Test Specification	Specific Description	Result	Modifications (Y/N)	Test Location
CFR47 Part 15.207	Conducted Emissions – AC Power Ports	Complied	No	SIMT EMC Lab
CFR47 Part 15.209	Radiated Emissions	Complied	No	Inventec Appliances (Pudong) Co.,Ltd.
CFR47 Part 15.247	RF Power Output	Complied	No	SIMT EMC Lab
CFR47 Part 15.247(b)	Spurious Emissions at Antenna Terminals	Complied	No	SIMT EMC Lab
CFR47 Part 15.247(c)	Radiated Spurious Emissions	Complied	No	Inventec Appliances (Pudong) Co.,Ltd.
CFR47 Part 15.247	Occupied Bandwidth	Complied	No	SIMT EMC Lab
CFR47 Part 15.247	Band Edge Measurement(Conducted)	Complied	No	SIMT EMC Lab
CFR47 Part 15.247	Band Edge Measurement(Radiated)	Complied	No	Inventec Appliances (Pudong) Co.,Ltd.
NOTE: The EUT is also considered as a kind of other class B digital device it has been verified to comply with the requirements of FCC Part 15B Class B(Verification) the test report has been issued by Inventec Appliances (Pudong) Co.,Ltd.				

1.2 Contract Information

Customer: TVMining(Beijing)Media Technology Co.,Ltd.
E818, West Wing, Yonghe Plaza. No.28 AnDingMen
East street, BeiJing, CN

1.3 Test Dates

Testing was performed on the following date(s):

December30 , 2012 to January 10, 20

1.4 Abbreviations

A	A mpere
ac	a lternating current
AM	A mplitude Modulation
Amps	A mperes
b/s	b its per second
BW	B and W idth
CE	C onducted E mission
cm	c entimeter
CW	C ontinuous W ave
dB	d eci B el
dc	d irect current
EMI	E lectromagnetic I nterference
EUT	E quipment U nder T est
FM	F requency M odulation
G	g iga - prefix for 10 ⁹ multiplier
Hz	H ertz
IF	I ntermediate F requency
k	k ilo - prefix for 10 ³ multiplier
LISN	L ine I mpedance S tabilization N etwork
M	M ega - prefix for 10 ⁶ multiplier
m	m eter
μ	m icro - prefix for 10 ⁻⁶ multiplier
NB	N arrow b and
QP	Q uasi- P eak
RE	R adiated E missions
RF	R adio F requency
rms	r oot- m ean- s quare
SN	S erial N umber
S/A	S pectrum A nalyzer
V	V olt

2 Equipment Under Test

2.1 EUT Identification

The results obtained relate only to the item(s) tested.

Table 1: Overview of SUNTV Box, Equipment Under Test

ITEM	DESCRIPTION
Manufacturer:	TV Mining(Beijing)Media Technology Co.,Ltd
FCC ID Number	R2J-STTFD5
EUT Name:	SUNTV BOX
Test Model:	TFD-05-AA, see the model description
FCC Rule Parts:	§15.247
Frequency Range:	IEEE 802.11b/g/n(HT20) : 2412 – 2462MHz IEEE 802.11n(HT40): 2422 – 2452 MHz
Maximum Output Power:	IEEE 802.11b: 20.09dBm IEEE 802.11g: 23.45dBm IEEE 802.11n HT20: 23.40dBm IEEE 802.11n HT40: 23.20dB
Modulation:	Direct Sequence Spread Spectrum
Necessary Bandwidth:	N/A
Keying:	Automatic
Type of Information:	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK)
Number of Channels:	IEEE 802.11b/g/n(HT20) : 11 IEEE 802.11n(HT40): 7
Antenna Type	Soldered on PCB
Frequency Tolerance:	N/A
Emission Type(s):	N/A
Interface Cables:	None
Power Source & Voltage:	5 VDC from 120VAC/60Hz

2.2 EUT Description

The SUNTV is a network based Set Top Box for household users. By connecting it to IP network through Ethernet interface or Wifi, it can stream videos over the network to TV display panel via HDMI or AV connection.

Product Name: SUNTV Box

Model No. : TFD-05-XX

Tested Model No.: TFD-05-AA

EUT Rated Voltage: DC 5V, 2A

I/O Ports: Rear Side: (1) RJ-45 Port*1; (2) USB Port*1; (3) DC in Port*1;

(4) HDMI Port*1; (5) Audio out Port*1

Model and Revision Statement

TFD-05-AA series Internet Set Top Box (STB)

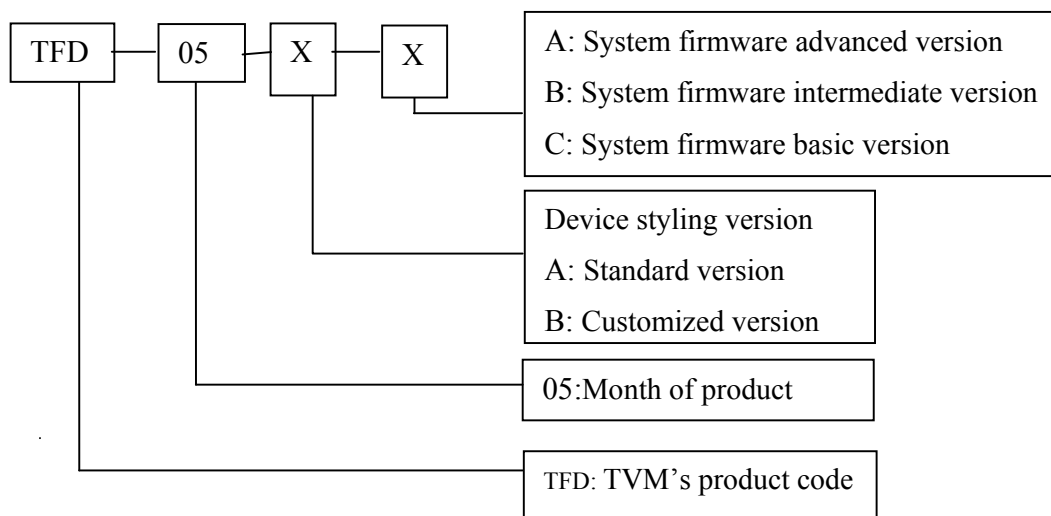
Description

The TFD-05-AA is one type of STB within the TFD-05 series. This series will have multiple models subsequently. The main differences for these STBs are as follow:

1. The Trademark and logo will be different
2. Each model will have revised styling and appearances
3. The firmware version will be different

TVM's TFD-05 series product will use the same PCB board; retain same size and weight, future revisions of the product are in styling and firmware only.

TVM will be responsible for all consequences caused by various models of TFD-05 series STB, and for any of the above-mentioned differences.

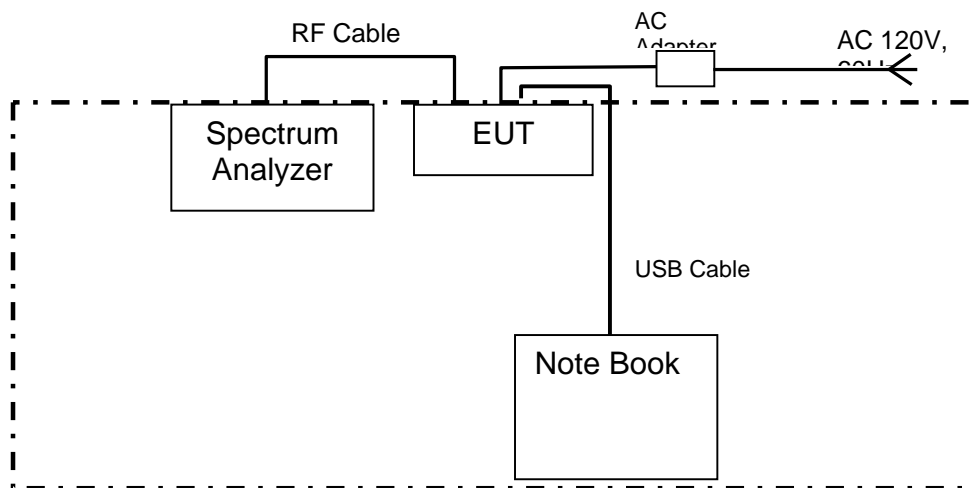


2.3 Test Configuration

The TVMining(Beijing)Media Technology Co.,Ltd. SUNTV Box, Equipment Under Test (EUT), was operated from a Input VAC120 Output 5VDC 2A power supply.

The EUT was configured with a adaptor power supply, an antenna, a support NB with usb cable. The EUT firmware/software was set up to control power, bit rate, and channel selection.

Conducted test setup :



Radiated test setup:

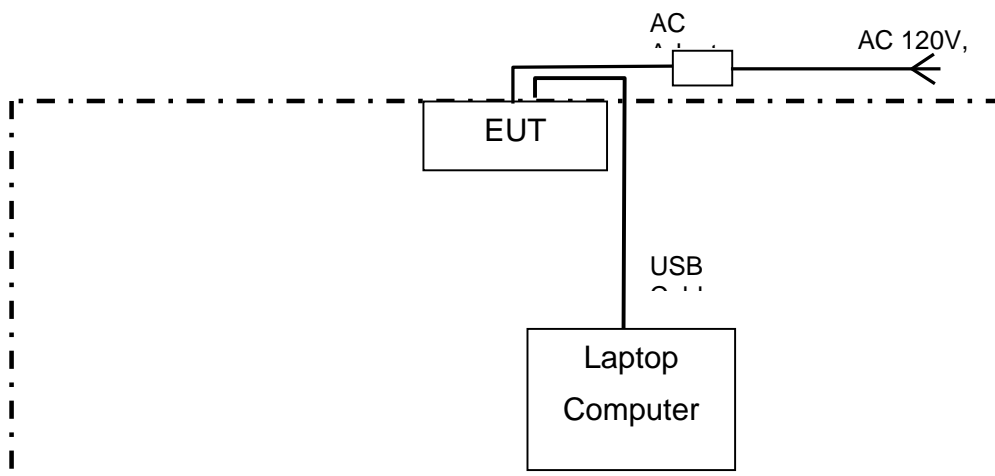


Figure 1: Test Configuration

2.4 Equipment Configuration

The EUT was set up as outlined in Figure 1. The EUT was comprised of the following equipment. (All Modules, PCBs, etc. listed were considered as part of the EUT, as tested.)

Table 2: Equipment Configuration

Name / Description	Model Number	Part Number	Serial Number	Revision
SUNTV Box	TFD-05-AA	/	/	/
AC Adapter	A33-502000U	/	2012120000022	/

2.5 EUT Modifications

No The following modifications were performed in order to meet the test requirements:

2.6 Testing Algorithm

The TFD-05-AA SUNTV box was operated using and drivers.

2.7 Test Location

All measurements herein were performed at Inventec Appliances (Pudong) Co.,Ltd. No.789 PuXing Road,ShangHai,China Inventec Appliances (Pudong) Co.,Ltd. has been accepted by the FCC, the FCC Registration Number is **492199**.

And Testing was performed by SIMT EMC Lab 716 Yi Shan Road, Shanghai. SIMT EMC Lab has been accepted by the FCC, the FCC Registration Number is **142171**.

2.8 Measurements

2.8.1 Measurement Method

All measurements were performed according to the 2009 version of ANSI C63.10 for testing compliance of a wide variety of unlicensed wireless devices

2.9 Measurement Uncertainty

All results reported herein relate only to the equipment tested. The basis for uncertainty calculation uses ANSI/NCSL Z540-2-1997 with a type B evaluation of the standard uncertainty. Elements contributing to the standard uncertainty are combined using the method described in Equation 1 to arrive at the total standard uncertainty. The standard uncertainty is multiplied by the coverage factor to determine the expanded uncertainty which is generally accepted for use in commercial, industrial, and regulatory applications and when health and safety are concerned (see Equation 2). A coverage factor was selected to yield a 95% confidence in the uncertainty estimation.

Equation 1: Standard Uncertainty

$$u_c = \pm \sqrt{\frac{a^2}{div_a^2} + \frac{b^2}{div_b^2} + \frac{c^2}{div_c^2} + \dots}$$

where u_c = standard uncertainty
 a, b, c, \dots = individual uncertainty elements
 $div_{a, b, c}$ = the individual uncertainty element divisor based on the probability distribution
 divisor = 1.732 for rectangular distribution
 divisor = 2 for normal distribution
 divisor = 1.414 for trapezoid distribution

Equation 2: Expanded Uncertainty

$$U = k u_c$$

where U = expanded uncertainty
 k = coverage factor
 $k \leq 2$ for 95% coverage (ANSI/NCSL Z540-2 Annex G)
 u_c = standard uncertainty

The measurement uncertainty complies with the maximum allowed uncertainty from CISPR 16-4-2. Measurement uncertainty is not used to adjust the measurements to determine compliance. The expanded uncertainty values for the various scopes in the WLL accreditation are provided in

Table 3 below.

Table 3: Expanded Uncertainty List

Scope	Standard(s)	Expanded Uncertainty
-------	-------------	----------------------

Conducted Emissions	CISPR11, CISPR22, CISPR14, FCC Part 15	1.69 dB
Radiated Emissions 30MHz-1GHz	CISPR11, CISPR22, CISPR14, FCC Part 15	4.55 dB
Radiated Emissions 1GHz-26.5GHz Horizontal	CISPR11, CISPR22, CISPR14, FCC Part 15	4.63dB
Radiated Emissions 1GHz-26.5GHz Vertical	CISPR11, CISPR22, CISPR14, FCC Part 15	4.73dB

3 Test Equipment

Table 4 shows a list of the test equipment used for measurements along with the calibration information.

Table 4: Test Equipment List

Item	Instrument	Manufacturer	Type No./Serial No	Last Cal.	calibration interval
1	EMI Test Receiver	R & S	ESCS 30/ 100070	Jul.4, 2012	1 Year
2	ARTIFICIAL MAINS NETWORK	R & S	ESH2-Z5/100030	Mar.18,2012	1Year
3	CESR	Franconia	N/A	Nov.23,2012	1 Year
4	System Software	R & S	ES-K1/V1.6.1	Sep.13, 2012	1 Year
5	Spectrum Analyzer	R&S	FSP30	July.14.2012	1 Year
6	Receiver	R&S	ESCI/100330	Feb.22.2012	1 Year
7	Pre-Amplifier	Agilent	83006A	May.02.2012	1 Year
8	Bi-log Antenna	R&S	HL562	Nov.08.2012	1 Year
9	Horn Antenna	R&S	HF906	Aug.01.2012	1 Year
10	Amplifier	Agilent	8447D/2944A11200	Aug 15 ,2012	1 Year
11	Cold-heat climate test chamber	/	GDW-60B	Jan.3,2012	1 Year
12	Signal Generator	R&S	SMF100A	Aug.14,2012	1 Year
13	Spectrum analyzer	R&S	FSU 26	Dec.4,2012	1 Year
14	Power Meter	R&S	NRVD /101776	Dec.30,2012	1 Year
15	Filter	R&S	SYSTEM INTEGRATED/12&4&3&9	Nov.14,2012	1 Year

4 Test Results

4.1 RF Power Output:

To measure the output power the unit was set to transmit on a low, high and middle channel. The output from the transmitter was connected to an attenuator and then to the input of a detector diode. The output of the detector diode was displayed on an oscilloscope. The trace deflection was recorded and the transmitter was replaced with a signal generator at the same frequency. The output of the signal generator was increased until the trace deflection was the same as it was with the transmitter. The signal from the generator was then connected to a power meter and the level was taken.

4.1.1 Limit (FCC Part 15.247b(3))

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

4.1.2 Test Procedure

- 1, Connected the EUT's antenna port to measure device by 20dB attenuator.
- 2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 6dB bandwidth of signal to measure out each test modes' PK output power.
- 3, For IEEE802.11n HT40 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So Bandwidth correction method according to ANSI C63.10 clause 6.10.2.1 part (c) was used:
 - 1) Set the RBW=3MHz and VBW =8MHz
 - 2) Turn averaging off
 - 3) Set sweep to automatic
 - 4) Set the span just large enough to capture the emission
 - 5) Use a peak detector on max hold
 - 6) Record the measured power
 - 7) Calculate Output power of EUT use the formula:

Peak output power =measured power+ 10log[(6dB bandwidth of emission)/(analyzer RBW)]

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

Table 5 RF Power Output

Frequency		Attenuator (dB)	Cable loss (dB)	Level (dBm)	Limit (dBm)	Pass/Fail
IEEE 802.11b	Channel 1: 2412 MHz 1Mbps	20	1.3	18.83	30	Pass
	Channel 1: 2412 MHz 5.5Mbps	20	1.3	20.79	30	Pass
	Channel 1: 2412 MHz 11Mbps	20	1.3	19.90	30	Pass
IEEE 802.11b	Channel 5: 2432 MHz 1Mbps	20	1.3	18.91	30	Pass
	Channel 5: 2432 MHz 5.5Mbps	20	1.3	20.09	30	Pass
	Channel 5: 2432 MHz 11Mbps	20	1.3	19.88	30	Pass
IEEE 802.11b	Channel 11: 2462 MHz 1Mbps	20	1.3	18.75	30	Pass
	Channel 11: 2462 MHz 5.5Mbps	20	1.3	20.03	30	Pass
	Channel 11: 2462 MHz 11Mbps	20	1.3	19.69	30	Pass
IEEE 802.11g	Channel 1: 2412 MHz 6Mbps	20	1.3	22.89	30	Pass
	Channel 1: 2412 MHz 24Mbps	20	1.3	23.14	30	Pass
	Channel 1: 2412 MHz 54Mbps	20	1.3	23.45	30	Pass
IEEE 802.11g	Channel 5: 2432 MHz 6Mbps	20	1.3	22.57	30	Pass
	Channel 5: 2432 MHz 24Mbps	20	1.3	22.76	30	Pass
	Channel 5: 2432 MHz 54Mbps	20	1.3	23.14	30	Pass
IEEE 802.11g	Channel 11: 2462 MHz 6Mbps	20	1.3	22.34	30	Pass
	Channel 11: 2462 MHz 24Mbps	20	1.3	22.29	30	Pass
	Channel 11: 2462 MHz 54Mbps	20	1.3	22.65	30	Pass
IEEE 802.11n HT20	Channel 1: 2412 MHz 6.5Mbps	20	1.3	23.40	30	Pass
	Channel 1: 2412 MHz 39Mbps	20	1.3	23.11	30	Pass
	Channel 1: 2412 MHz 65Mbps	20	1.3	23.25	30	Pass
IEEE 802.11n HT20	Channel 5: 2432 MHz 6.5Mbps	20	1.3	23.06	30	Pass
	Channel 5: 2432 MHz 39Mbps	20	1.3	22.97	30	Pass
	Channel 5: 2432 MHz 65Mbps	20	1.3	22.98	30	Pass

IEEE	Channel 11: 2462 MHz 6.5Mbps	20	1.3	22.50	30	Pass
802.11n	Channel 11: 2462 MHz 39Mbps	20	1.3	22.33	30	Pass
HT20	Channel 11: 2462 MHz 65Mbps	20	1.3	22.45	30	Pass
IEEE	Channel 1: 2422 MHz 6.5Mbps	20	1.3	23.20	30	Pass
802.11n	Channel 1: 2422 MHz 39Mbps	20	1.3	22.84	30	Pass
HT40	Channel 1: 2422 MHz 65Mbps	20	1.3	22.90	30	Pass
IEEE	Channel 4: 2437 MHz 6.5Mbps	20	1.3	23.04	30	Pass
802.11n	Channel 4: 2437MHz 39Mbps	20	1.3	22.73	30	Pass
HT40	Channel 4: 2437 MHz 65Mbps	20	1.3	22.66	30	Pass
IEEE	Channel 7: 2452 MHz 6.5Mbps	20	1.3	22.38	30	Pass
802.11n	Channel 7: 2452 MHz 39Mbps	20	1.3	22.15	30	Pass
HT40	Channel 7: 2452 MHz 65Mbps	20	1.3	22.13	30	Pass

Note1: According exploratory test, EUT will have maximum output power as above bolded data rate, so those data rate were used for all test.

4.2 RF Power Spectral Density

The output from the transmitter was connected to an attenuator and then to the input of the RF Spectrum Analyzer. The analyzer offset was adjusted to compensate for the attenuator and other losses in the system.

4.2.1 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.

4.2.2 Test Procedure

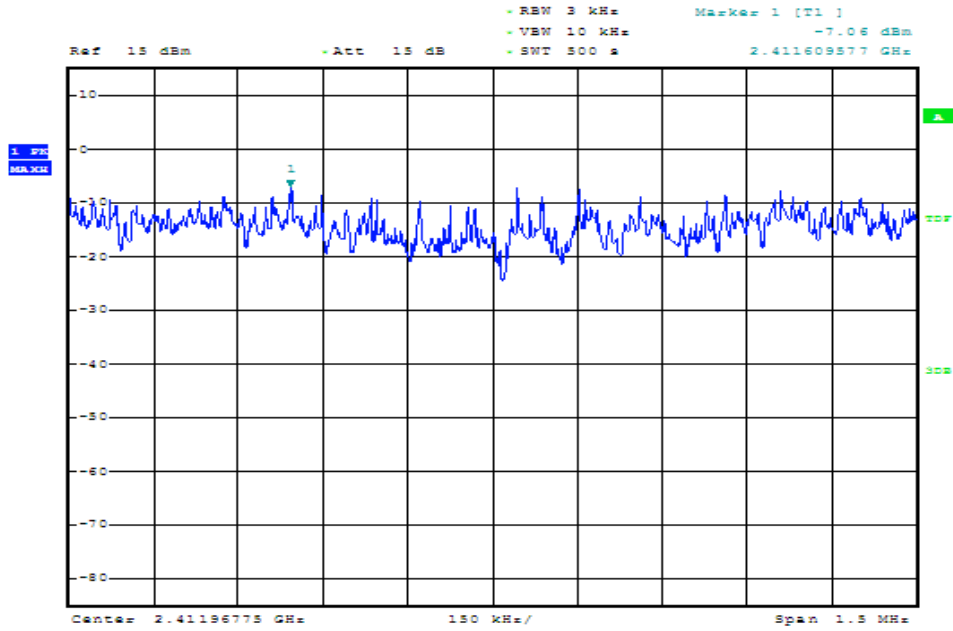
The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 3kHz RBW and 10kHz VBW, sweep time=span/3kHz.

Table 6 RF Power Spectral Density

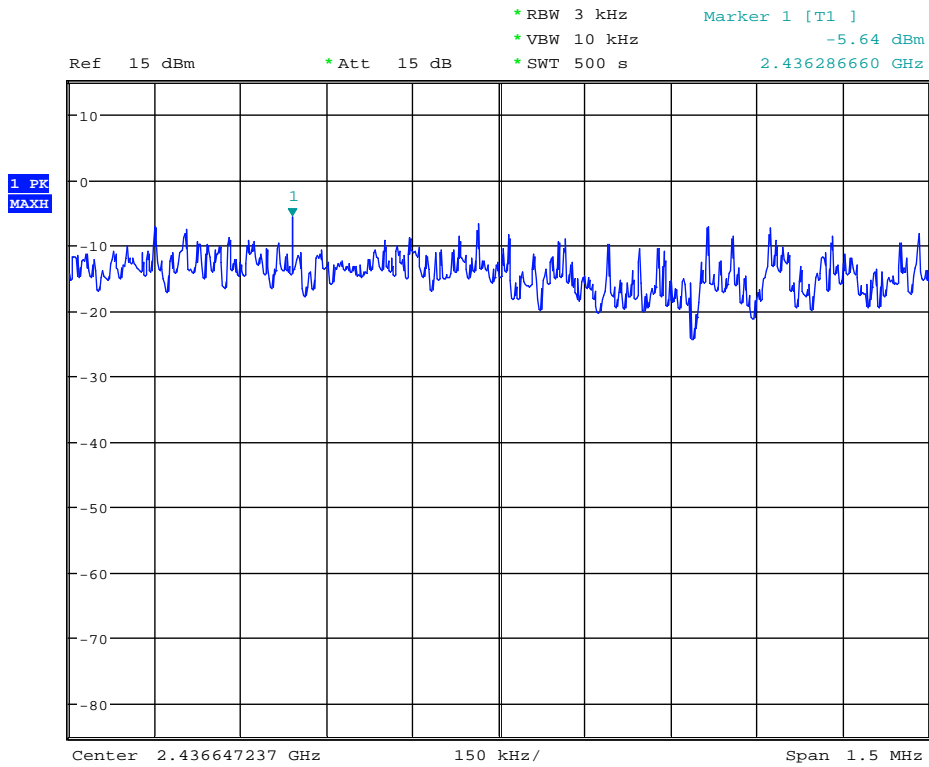
Frequency		Cable loss (dB)	Attenuator (dB)	Result (dBm)	Limit (dBm)	Pass/Fail
IEEE 802.11b	Channel 1: 2412 MHz	1.3	20	-7.06	8	Pass
	Channel 5: 2432 MHz	1.3	20	-5.64	8	Pass
	Channel11:2462 MHz	1.3	20	1.4	8	Pass
IEEE 802.11g	Channel 1: 2412 MHz	1.3	20	-13.53	8	Pass
	Channel 5: 2432 MHz	1.3	20	-14.02	8	Pass
	Channel11:2462 MHz	1.3	20	-13.94	8	Pass
IEEE 802.11n HT 20	Channel 1: 2412 MHz	1.3	20	-13.8	8	Pass
	Channel 5: 2432 MHz	1.3	20	-14.45	8	Pass
	Channel11:2462 MHz	1.3	20	-13.89	8	Pass
IEEE 802.11n HT 40	Channel 1: 2422 MHz	1.3	20	-17.07	8	Pass
	Channel4: 2437MHz	1.3	20	-17.09	8	Pass
	Channel 7: 2452 MHz	1.3	20	-16.89	8	Pass

Test Mode: IEEE 802.11b TX

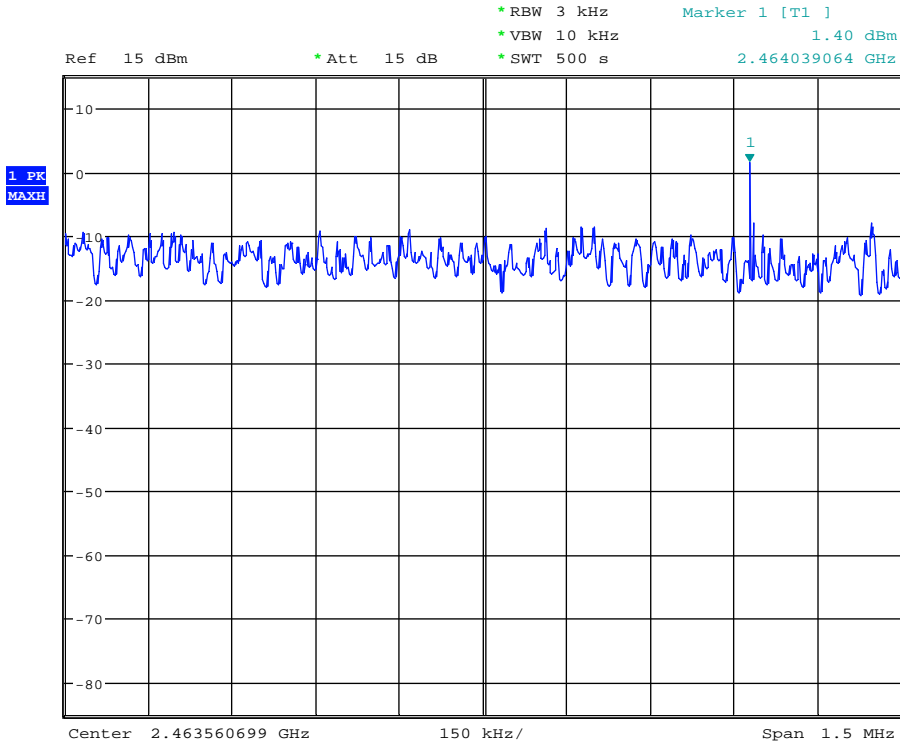
Test CH1: 2412MHz



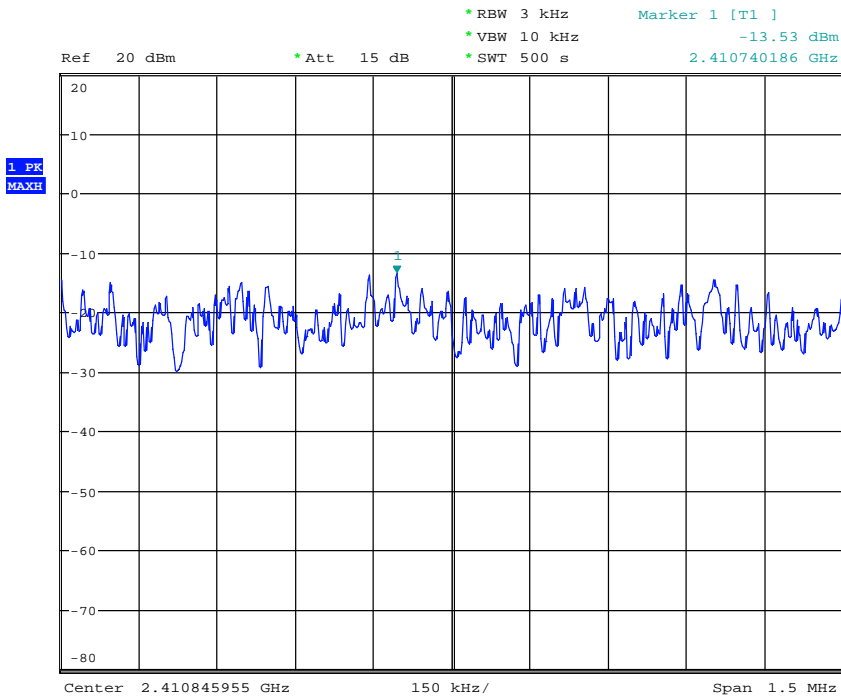
Test CH6: 2437MHz



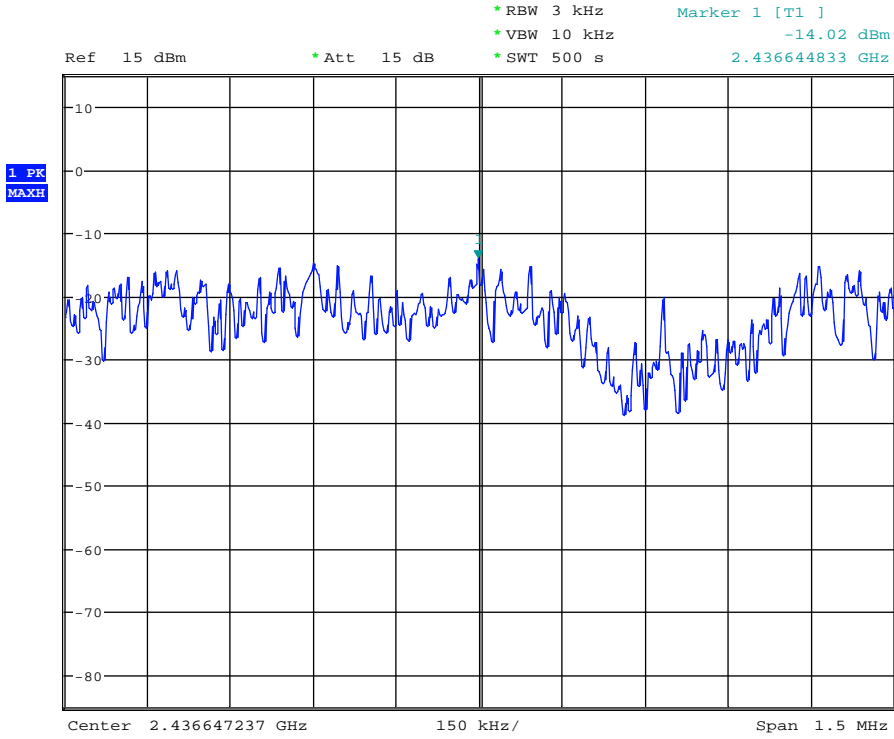
Test CH1: 2462MHz



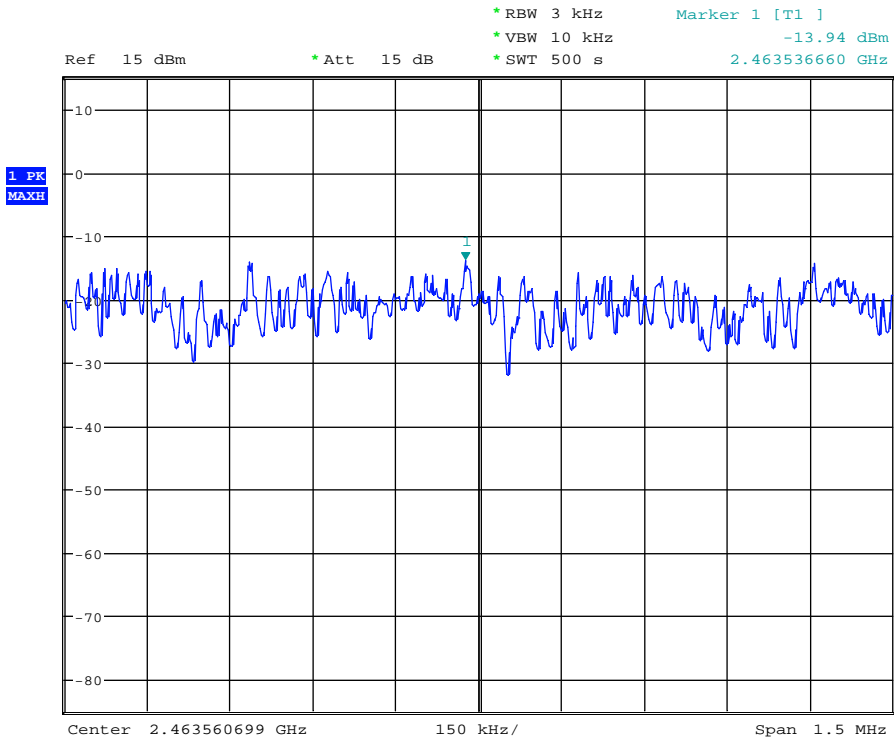
Test Mode: IEEE 802.11g TX Test CH1: 2412MHz



Test CH6: 2437MHz

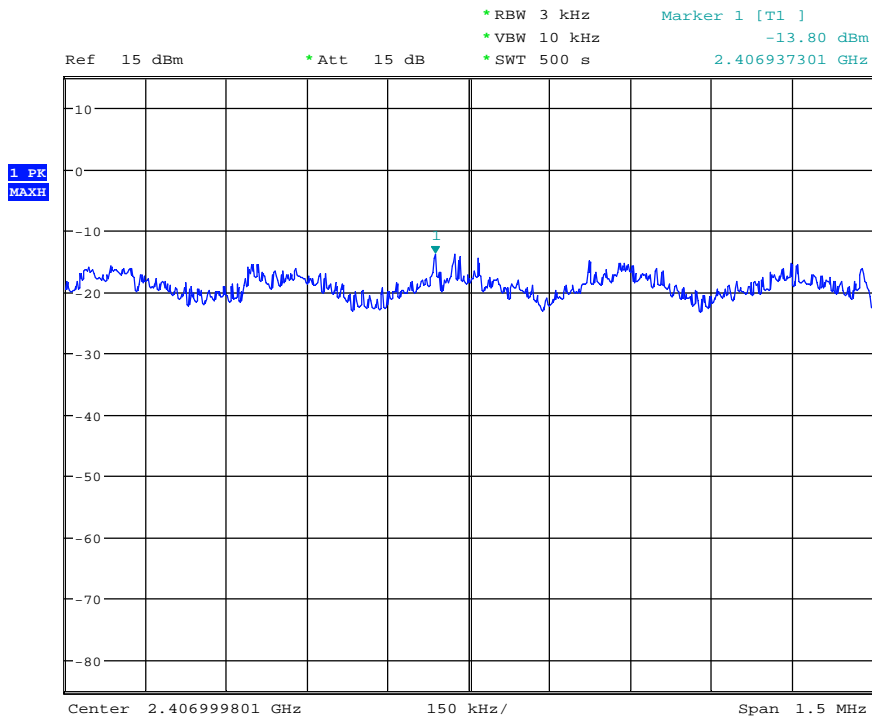


Test CH11: 2462MHz

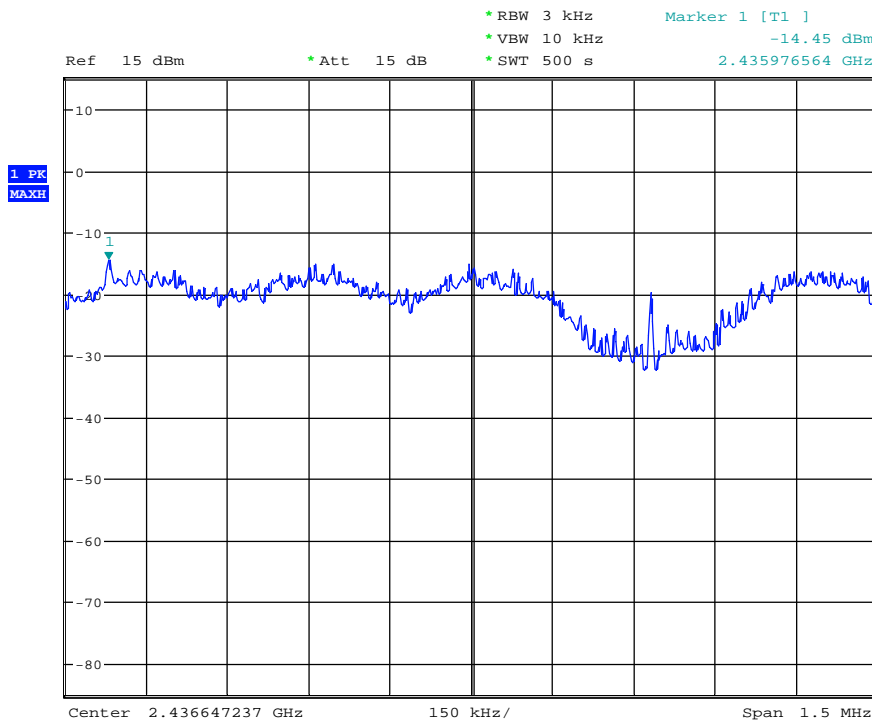


Test Mode: IEEE 802.11n HT20 TX

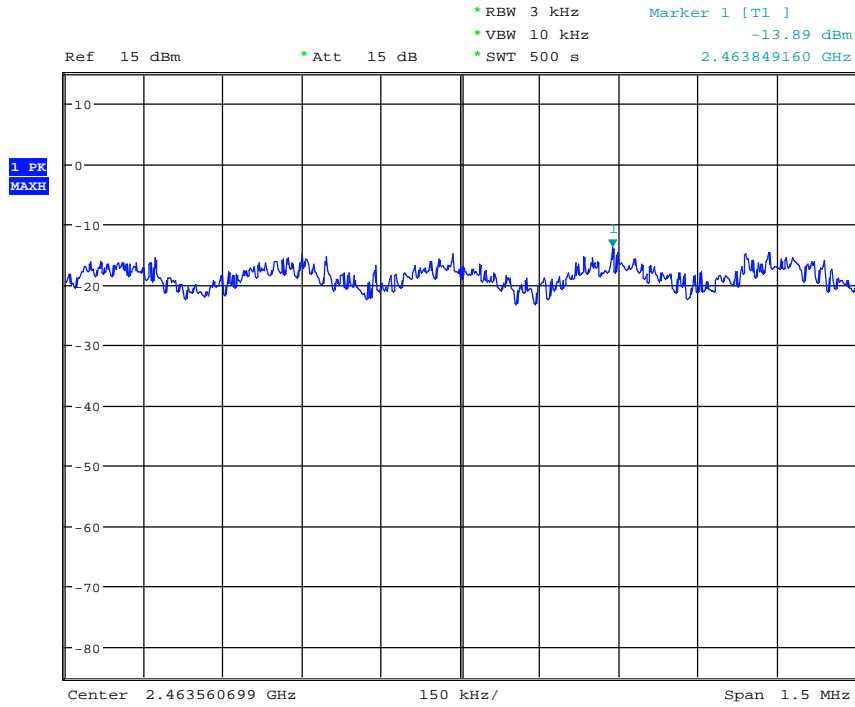
Test CH1: 2412MHz



Test CH6: 2437MHz

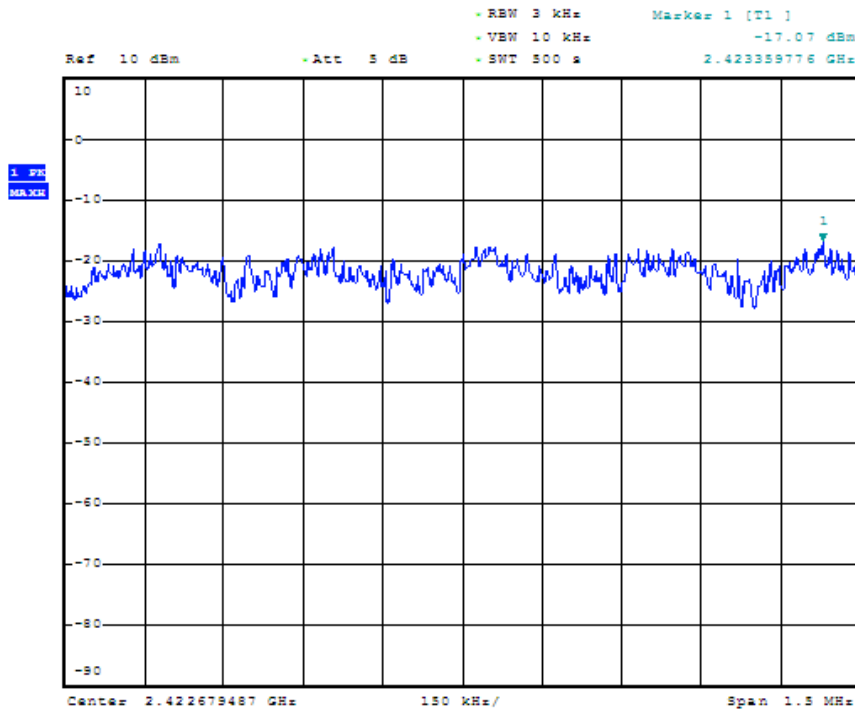


Test CH1: 2462MHz

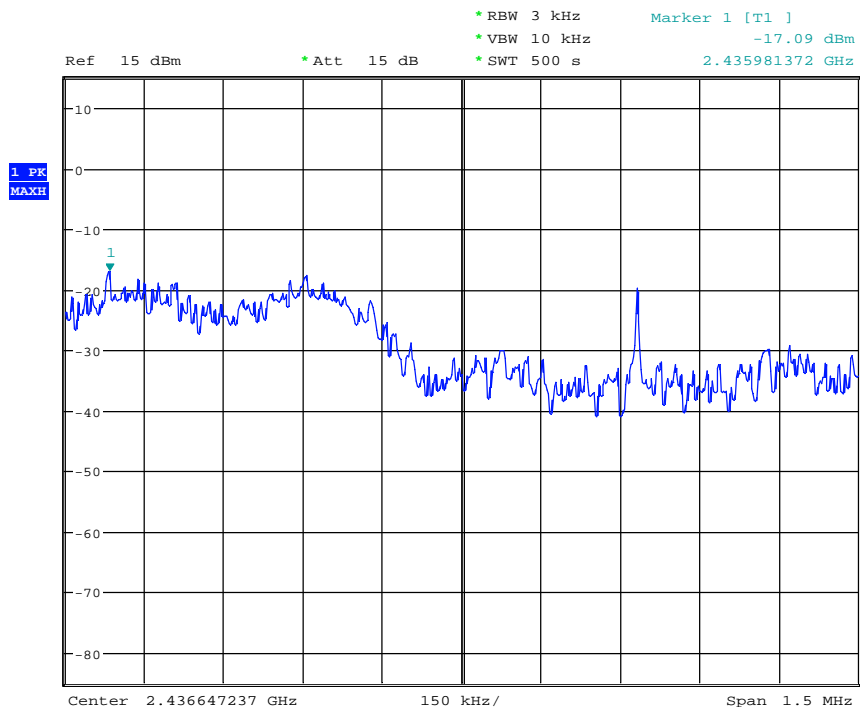


Test Mode: IEEE 802.11n HT40 TX

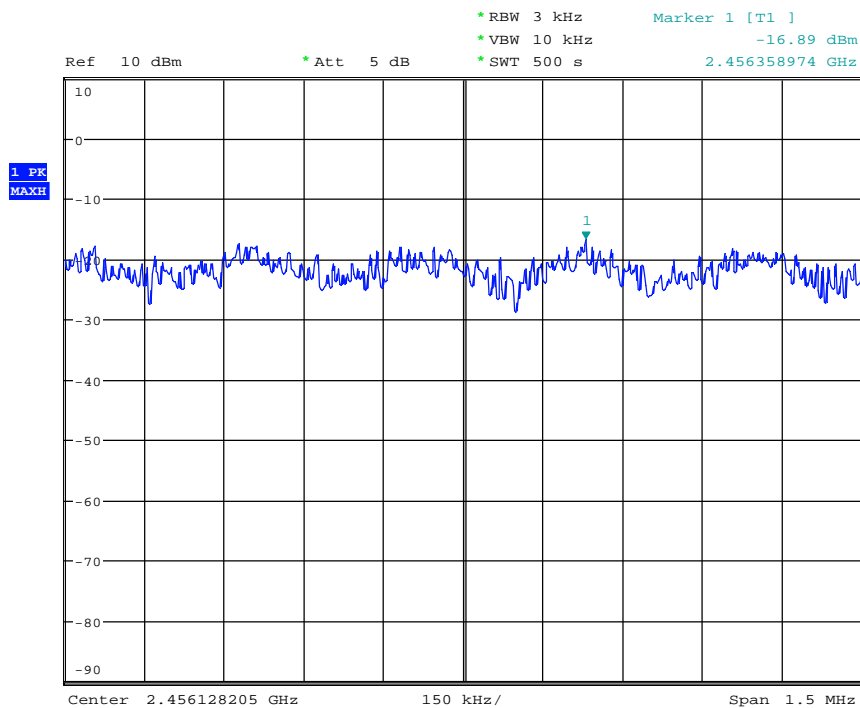
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



4.3 Occupied Bandwidth

Occupied bandwidth was performed by coupling the output of the EUT to the input of a spectrum analyzer.

4.3.1 Limit

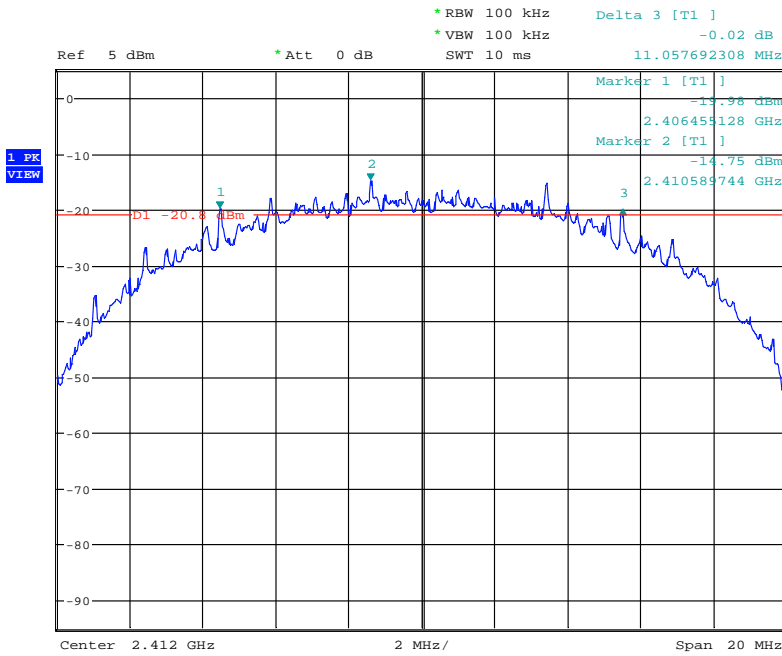
For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

4.3.2 Test Procedure

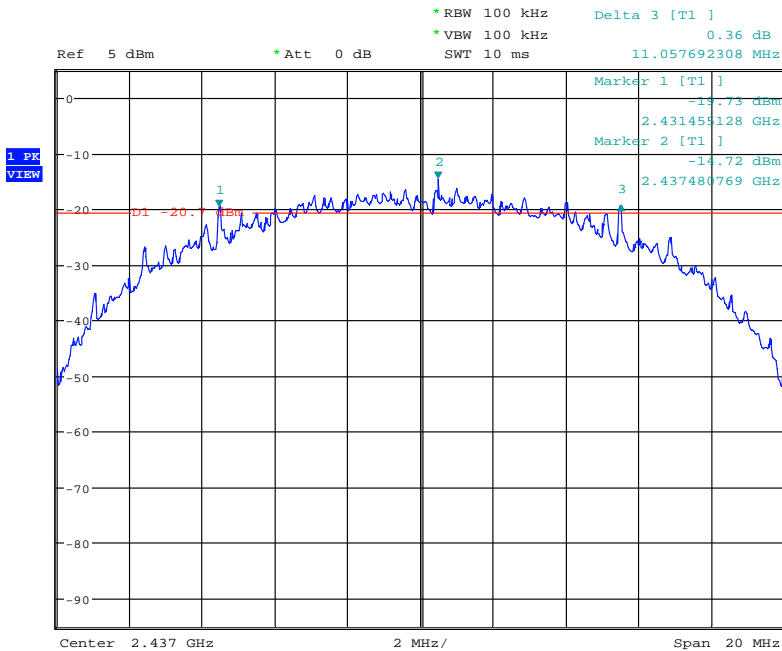
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

Test Mode: IEEE 802.11b TX

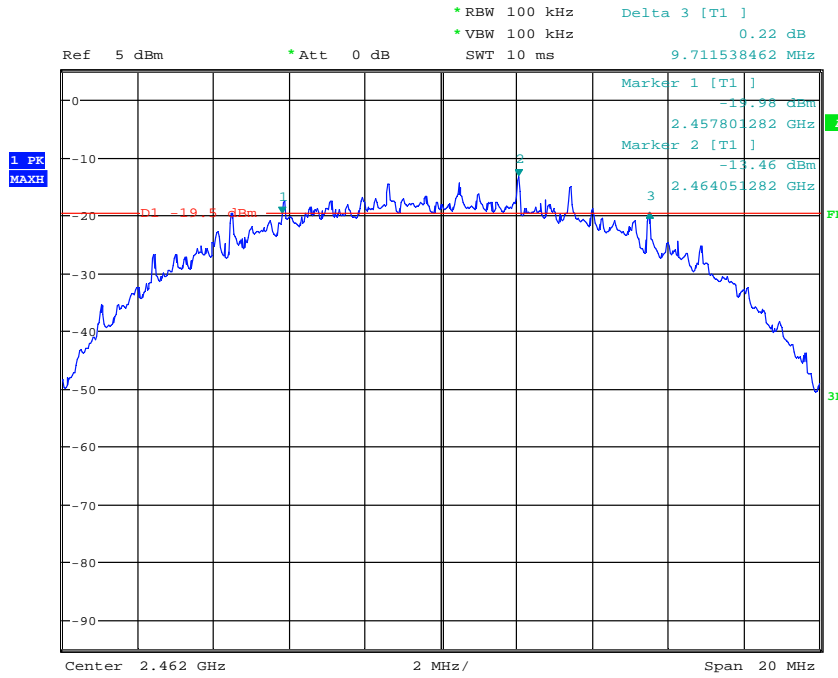
Test CH1: 2412MHz



Test CH6: 2432MHz

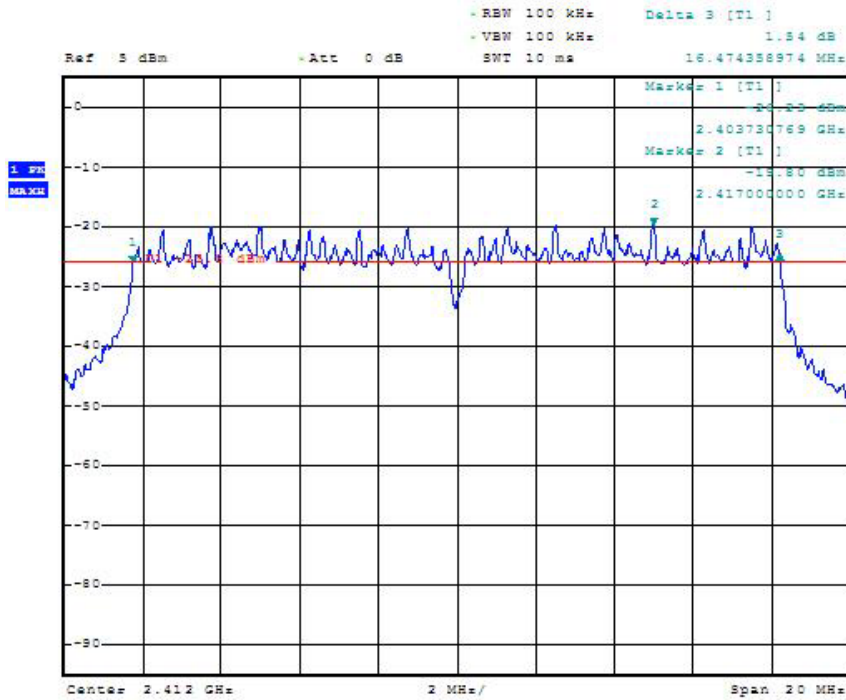


Test CH1: 2462MHz

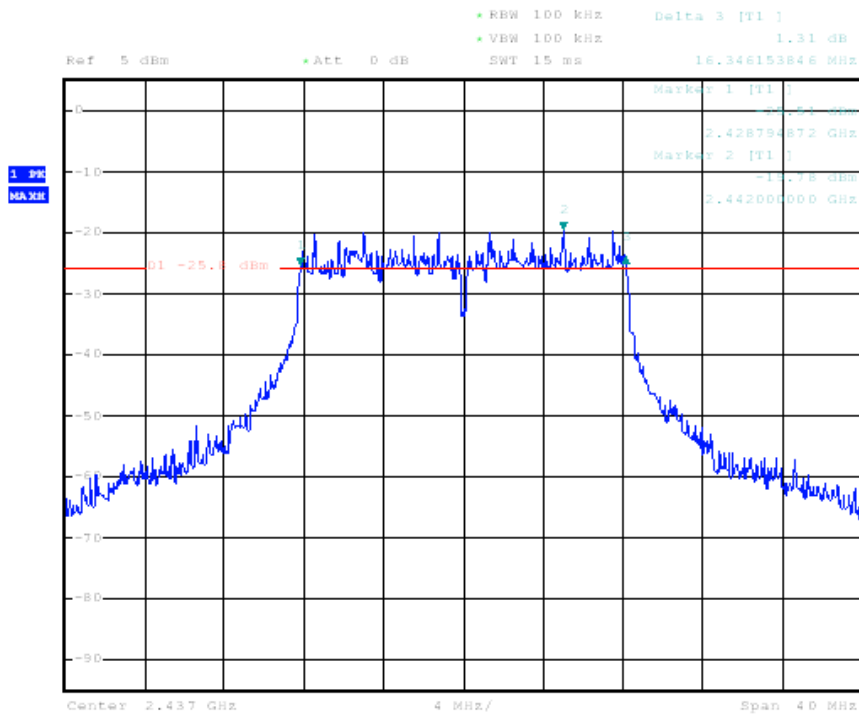


Test Mode: IEEE 802.11g TX

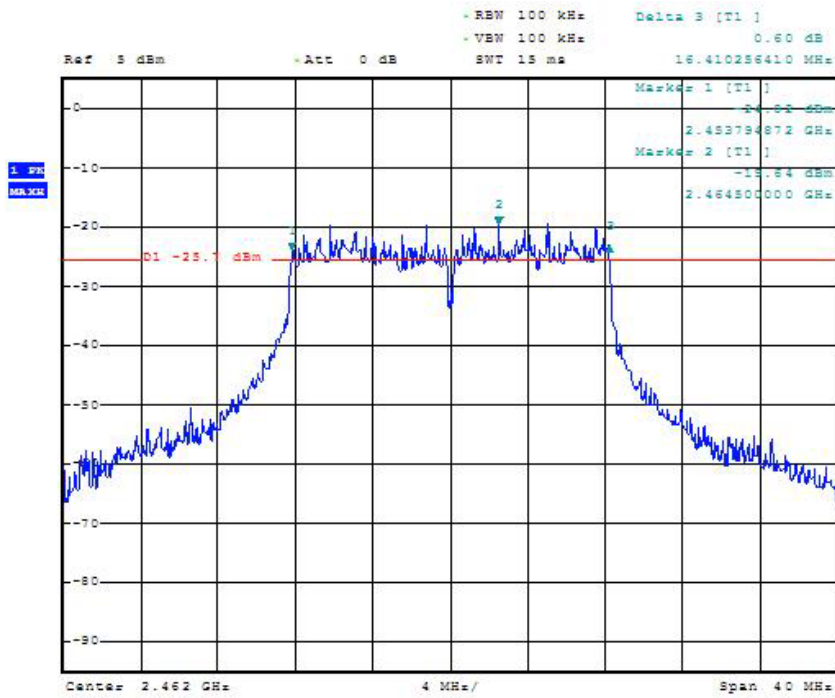
Test CH1: 2412MHz



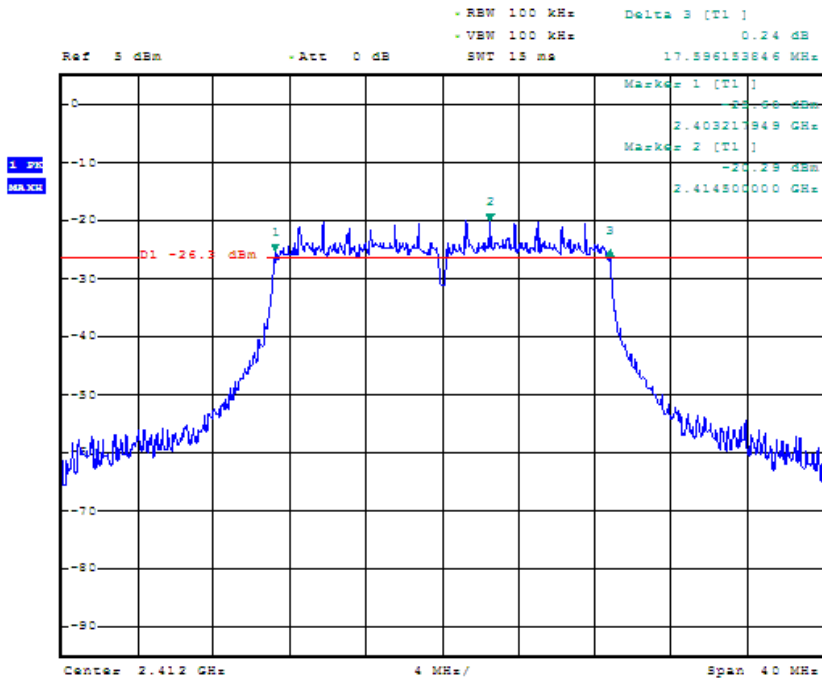
Test CH6: 2432MHz



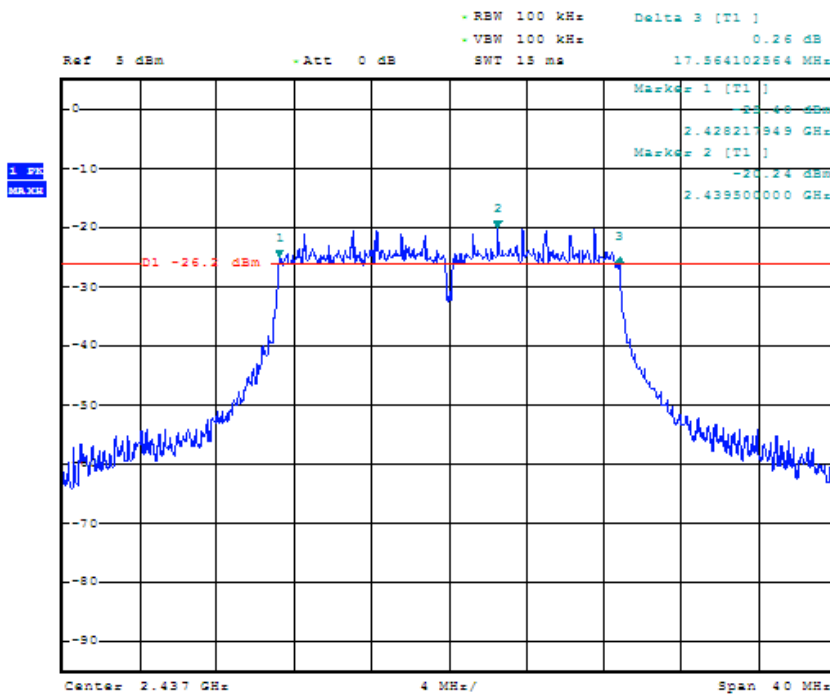
Test CH11: 2462MHz



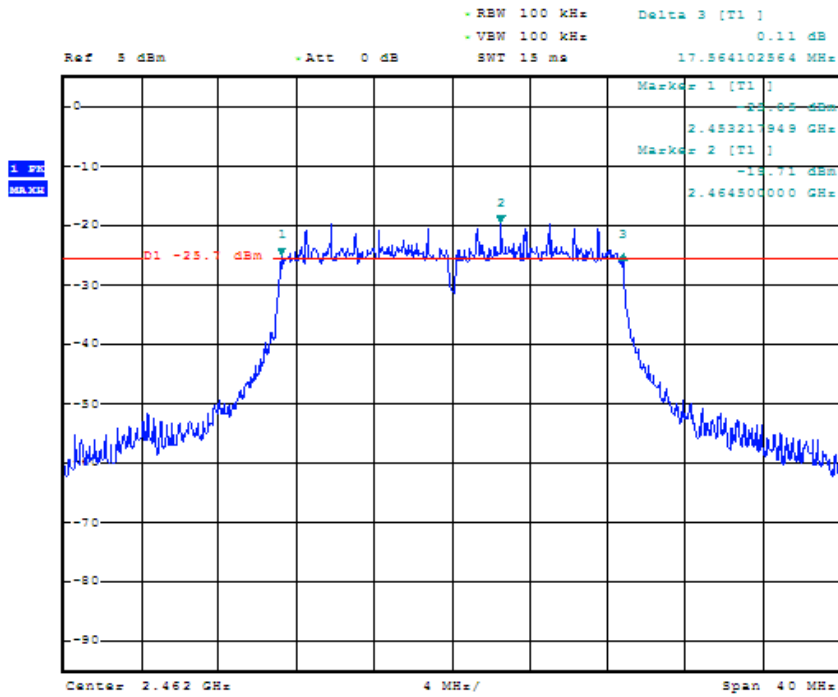
Test Mode: IEEE 802.11n HT20 TX Test CH1: 2412MHz



Test CH6: 2437MHz

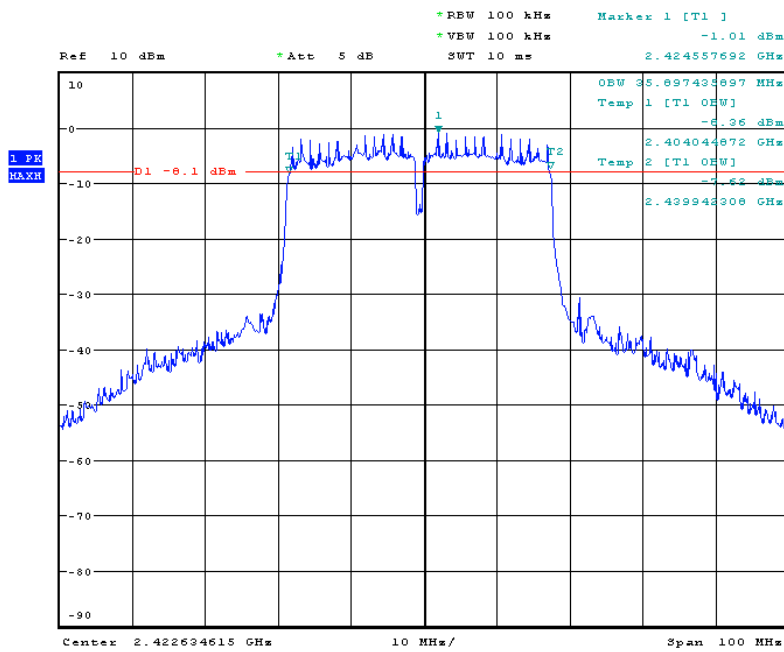


Test CH1: 2462MHz

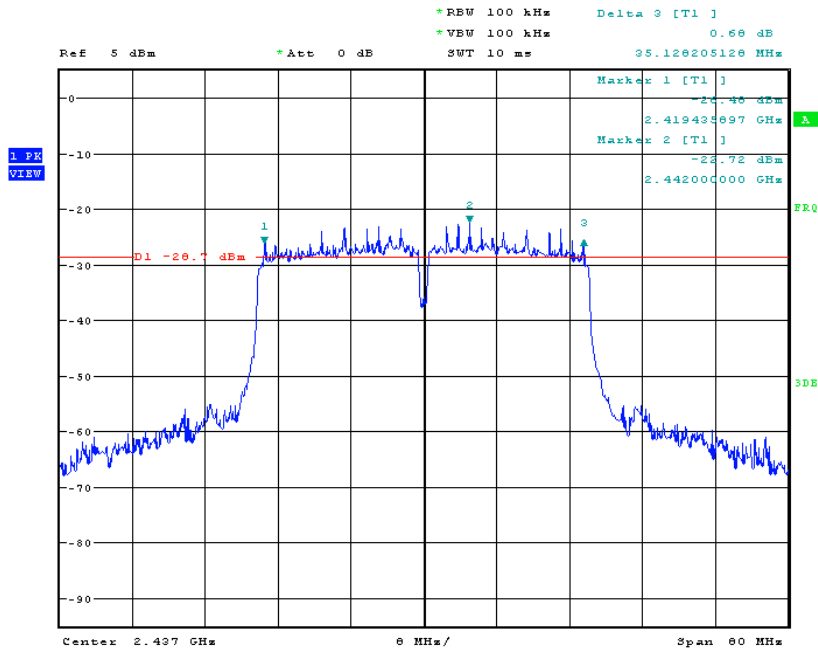


Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz

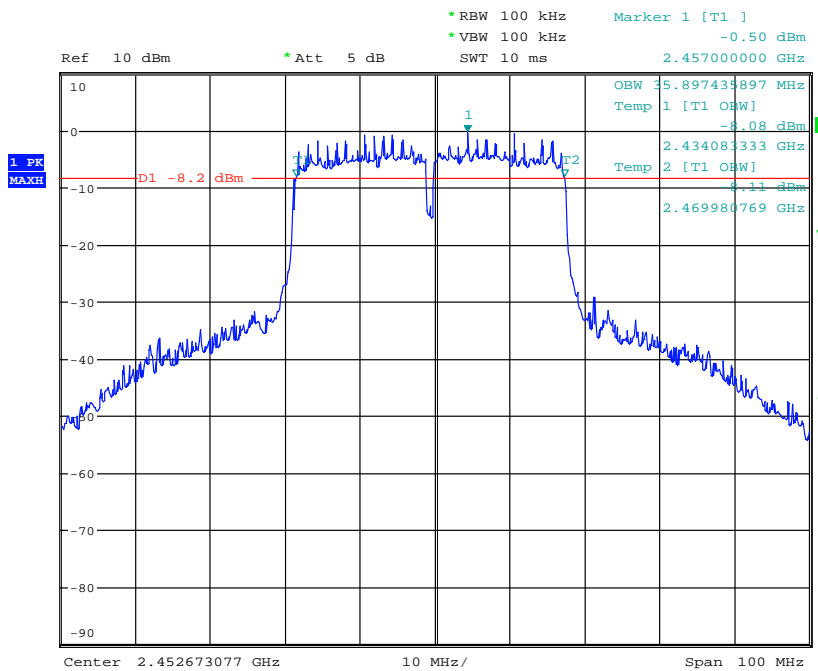


Table 7 Occupied Bandwidth Results

Frequency		Bandwidth	Limit	Pass/Fail
IEEE 802.11b	Channel 1: 2412 MHz	11.05MHz	> 500 kHz	Pass
	Channel 6: 2432 MHz	11.06MHz	> 500 kHz	Pass
	Channel 11: 2462 MHz	9.71MHz	> 500 kHz	Pass
IEEE 802.11g	Channel 1: 2412 MHz	16.47MHz	> 500 kHz	Pass
	Channel 6: 2432 MHz	16.34MHz	> 500 kHz	Pass
	Channel 11: 2462 MHz	16.41MHz	> 500 kHz	Pass
IEEE 802.11n HT20	Channel 1: 2412 MHz	17.59 MHz	> 500 kHz	Pass
	Channel 6: 2432 MHz	17.56 MHz	> 500 kHz	Pass
	Channel 11: 2462 MHz	17.56 MHz	> 500 kHz	Pass
IEEE 802.11n HT40	Channel 1: 2422 MHz	35.87MHz	> 500 kHz	Pass
	Channel 4: 2437 MHz	35.13MHz	> 500 kHz	Pass
	Channel7: 2452 MHz	35.90MHz	> 500 kHz	Pass

4.4 Spurious Emissions at Antenna Terminals (FCC Part §15.247(b))

4.4.1 Limit

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

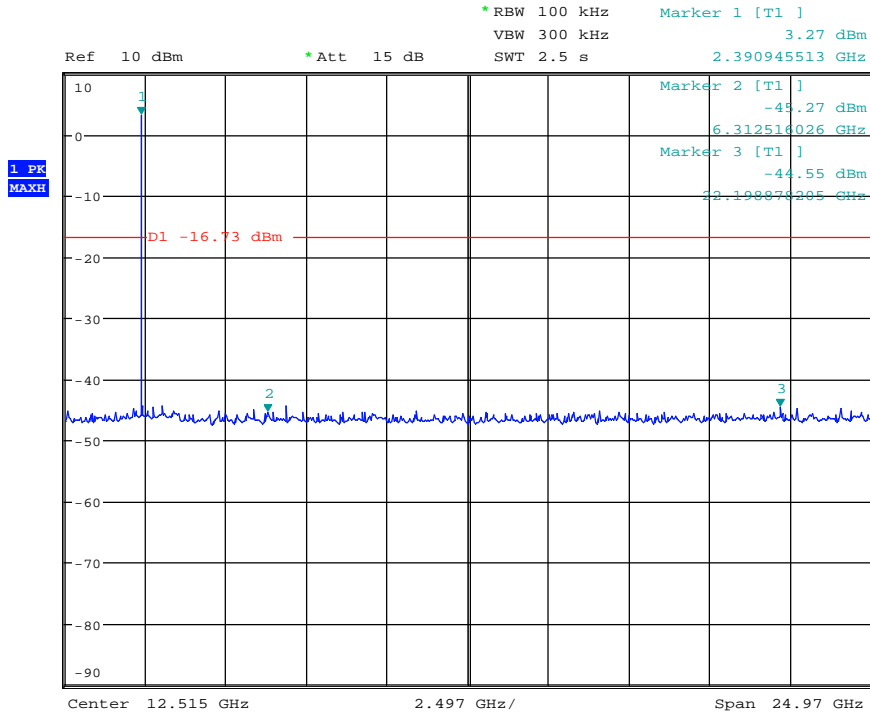
4.4.2 Test Procedure

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

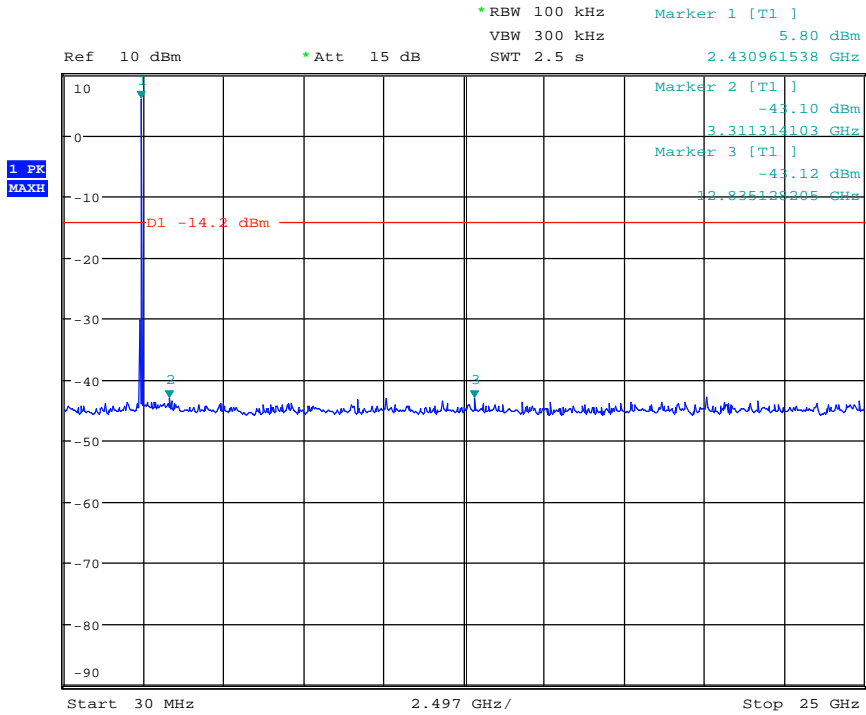
See the plots of conducted emissions plots below.

Test Mode: IEEE 802.11b TX

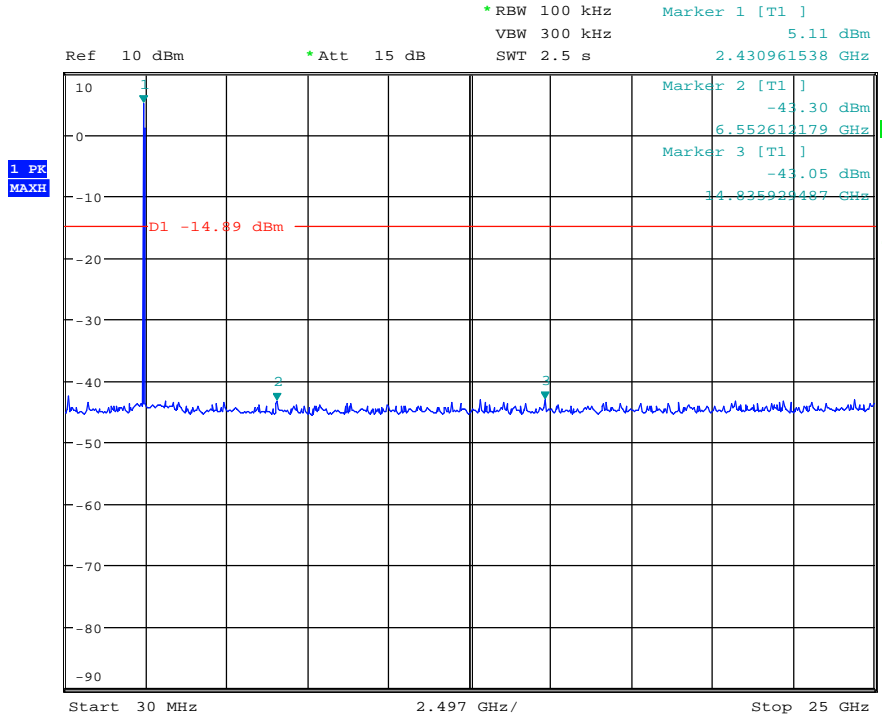
Test CH1: 2412MHz



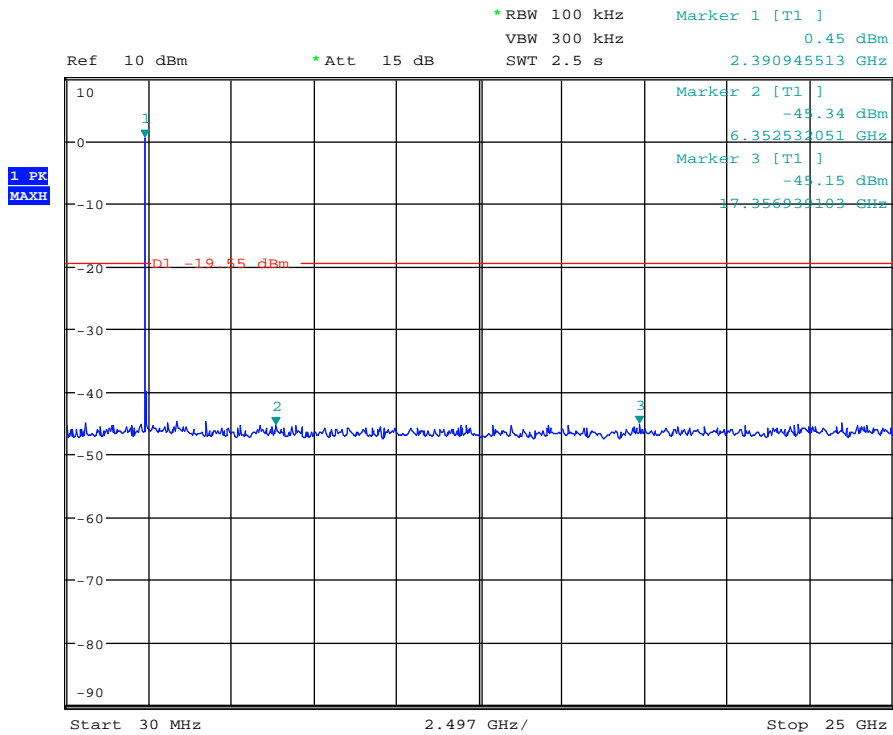
Test CH6: 2437MHz



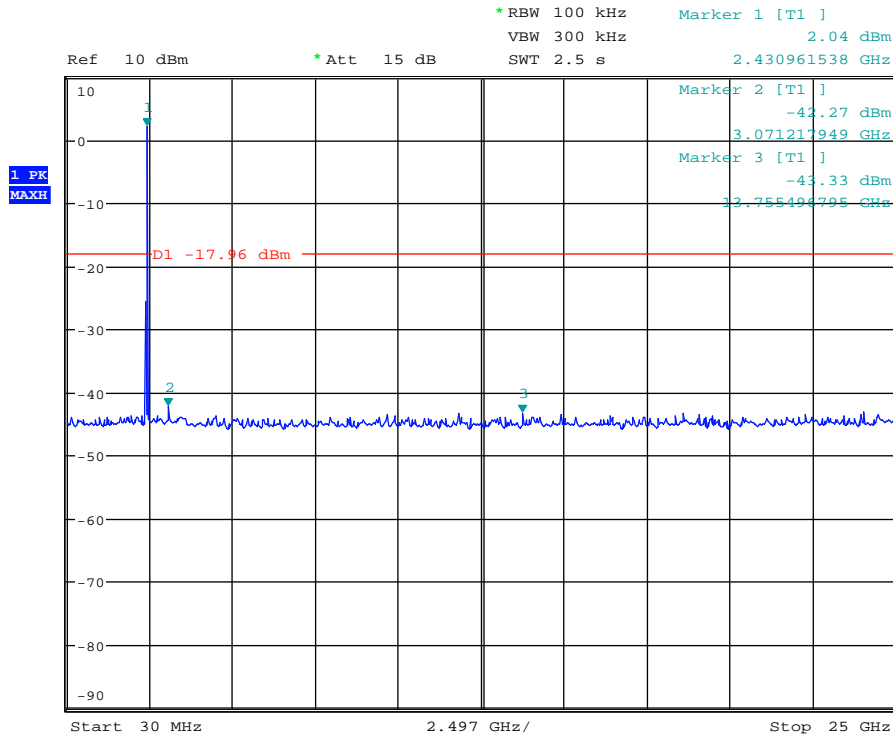
Test CH1: 2462MHz



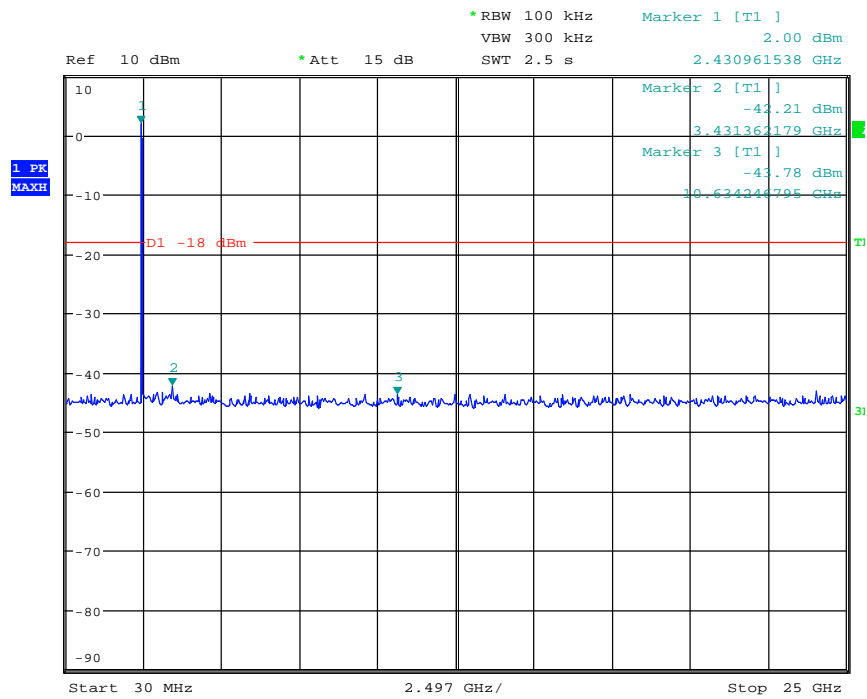
Test Mode: IEEE 802.11g TX Test CH1: 2412MHz



Test CH6: 2437MHz

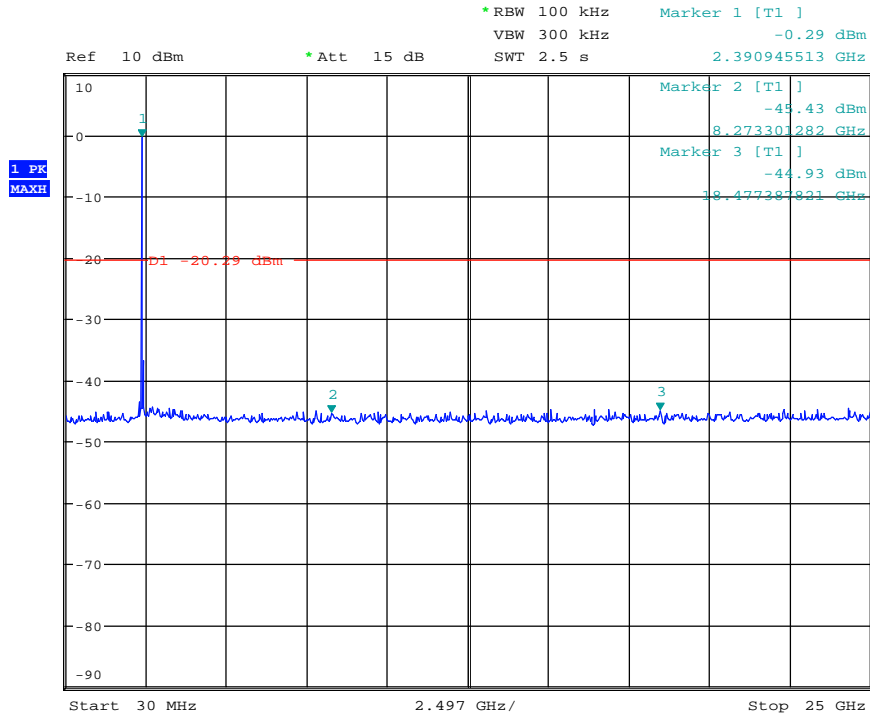


Test CH11: 2462MHz

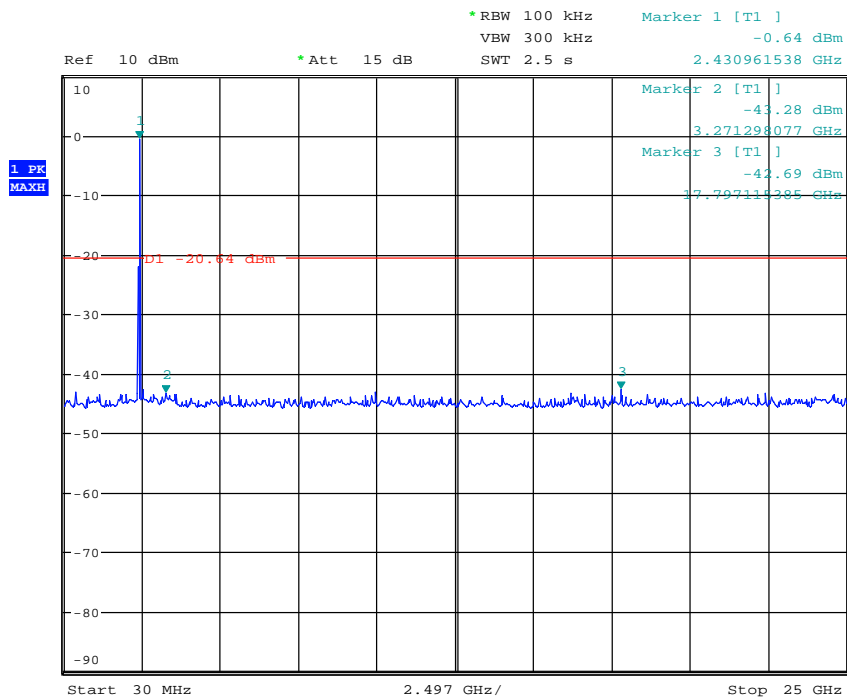


Test Mode: IEEE 802.11n HT20 TX

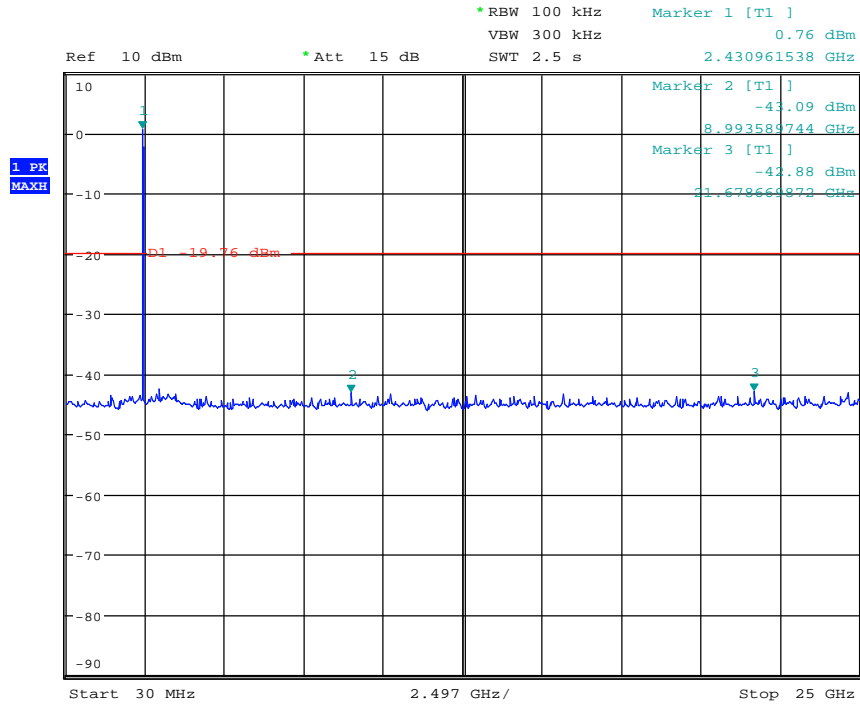
Test CH1: 2412MHz



Test CH6: 2437MHz

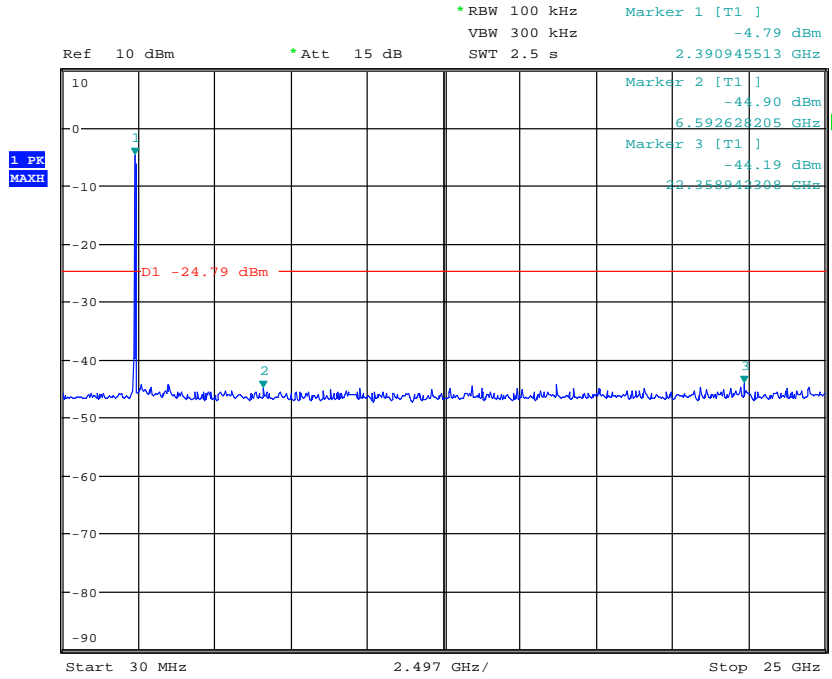


Test CH11: 2462MHz

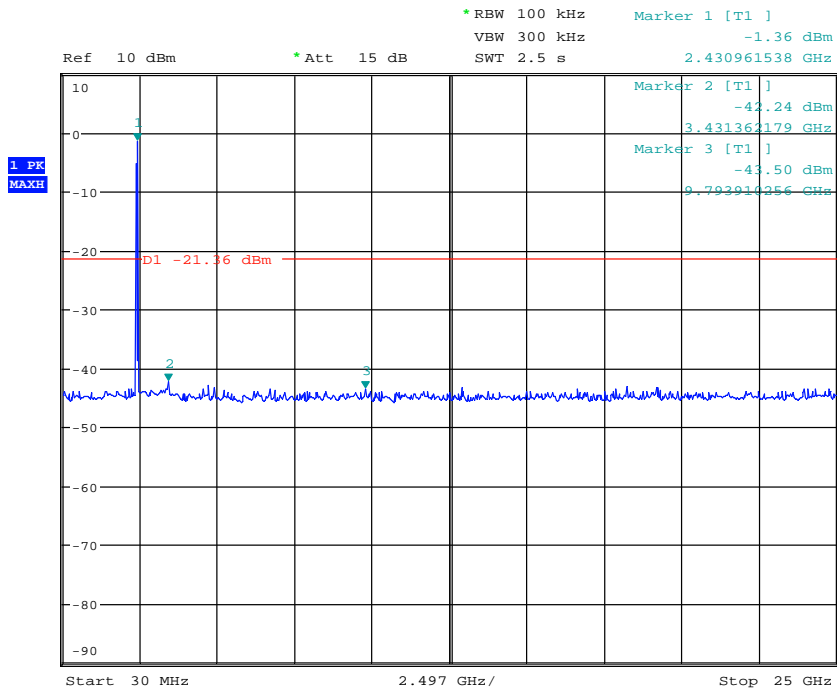


Test Mode: IEEE 802.11n HT 40TX

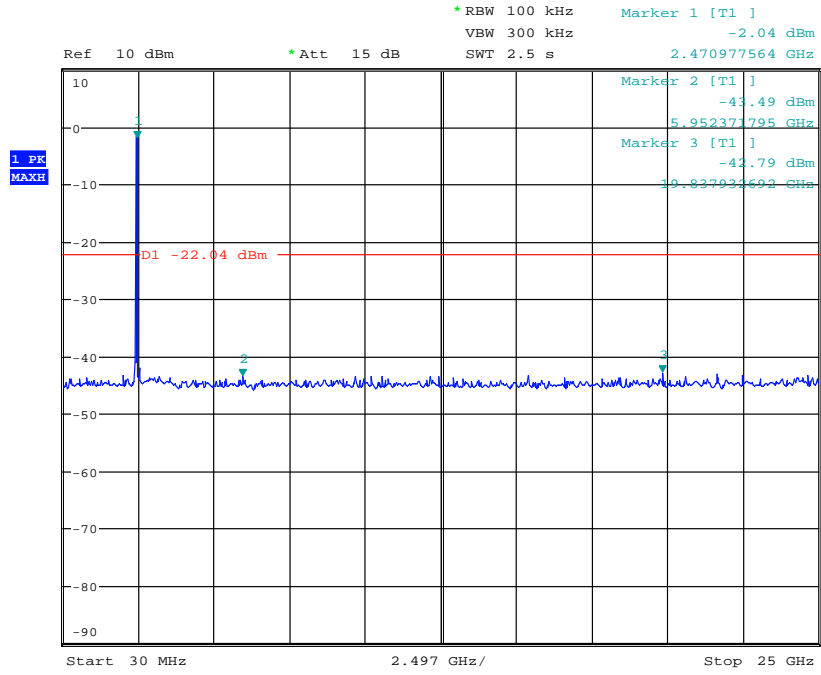
Test CH1: 2422 MHz



Test CH4: 2437 MHz



Test CH4: 2452 MHz



4.5 Radiated Spurious Emissions: (FCC Part §15.247(c))

Radiated emissions that fall in the restricted bands must comply with the general emissions limits in 15.209(a).

The emissions were measured using the following resolution bandwidths:

Frequency Range	Resolution Bandwidth	Video Bandwidth
30MHz-1000 MHz	120kHz	>30 kHz
>1000 MHz	1 MHz	<30 Hz

Harmonic and Spurious emissions that were identified as coming from the EUT were checked in Peak and in Average Mode. The high frequency, which started from 18 to 26.5GHz, was pre-scan and the test result which was 20dB lower than the limit was not reported.

Peak measurements and average measurements are made. All emissions were determined to have a peak-to-average ratio of less than 20 dB.

4.5.1 Test Procedure

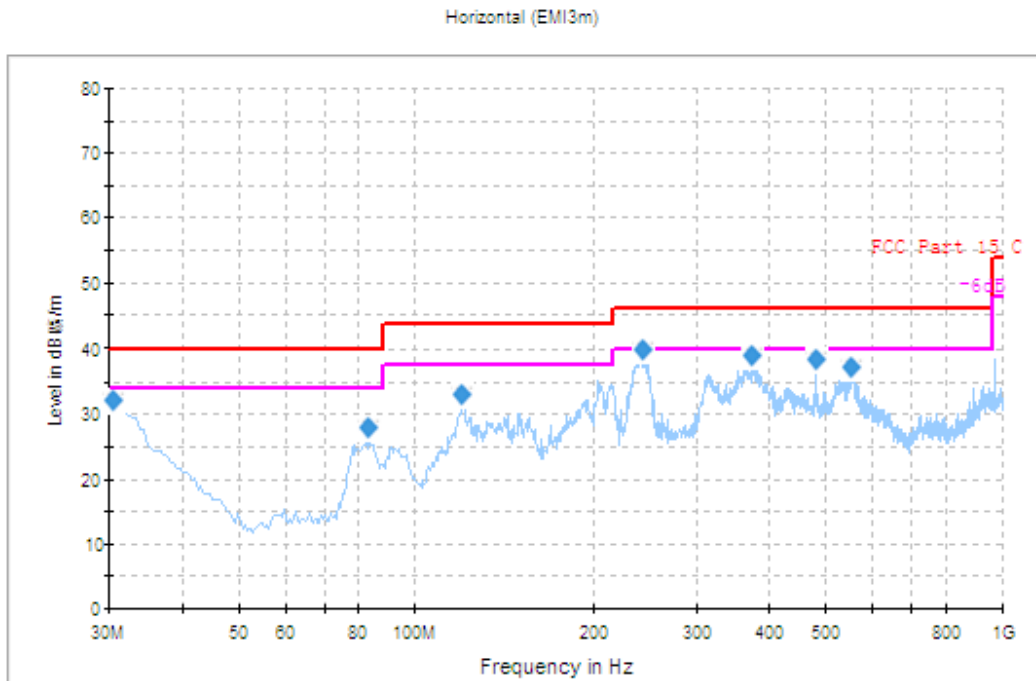
The EUT was placed on motorized turntable for radiated testing on a 3-meter open field test site. The emissions from the EUT were measured continuously at every azimuth by rotating the turntable. Receiving antennas were mounted on an antenna mast to determine the height of maximum emissions. The height of the antenna was varied between 1 and 4 meters. The peripherals were placed on the table in accordance with ANSI C63.10-2009. Cables were varied in position to produce maximum emissions. Both the horizontal and vertical field components were measured.

These data are supplied in the following tables.

Table 8: Radiated Emission Test Data(Below 1GHz)

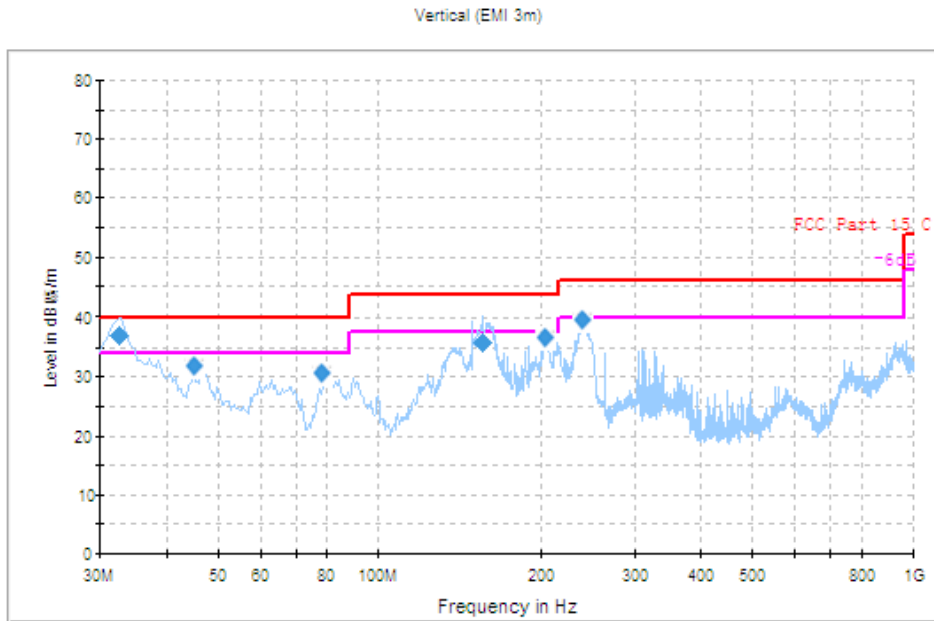
Test Mode: IEEE 802.11bTX

Test CH1: 2412MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
out : MI
mode : WIFI B CH1
memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	31.46	HORIZONTAL	31.10	38.71	18.41	1.20	27.22	40.00	-8.90	104	0	Peak
2	82.87	HORIZONTAL	26.22	43.73	8.38	1.57	27.46	40.00	-13.78	104	0	Peak
3	120.69	HORIZONTAL	31.83	47.74	9.58	1.72	27.21	43.50	-11.67	104	0	Peak
4	243.89	HORIZONTAL	38.54	53.14	9.20	2.58	26.38	46.00	-7.46	104	0	Peak
5	374.84	HORIZONTAL	38.08	49.61	12.85	3.13	27.51	46.00	-7.92	104	0	Peak
6	480.08	HORIZONTAL	37.54	46.47	15.12	3.48	27.53	46.00	-8.46	104	0	Peak
7	553.32	HORIZONTAL	37.04	44.53	16.24	3.91	27.64	46.00	-8.96	104	0	Peak

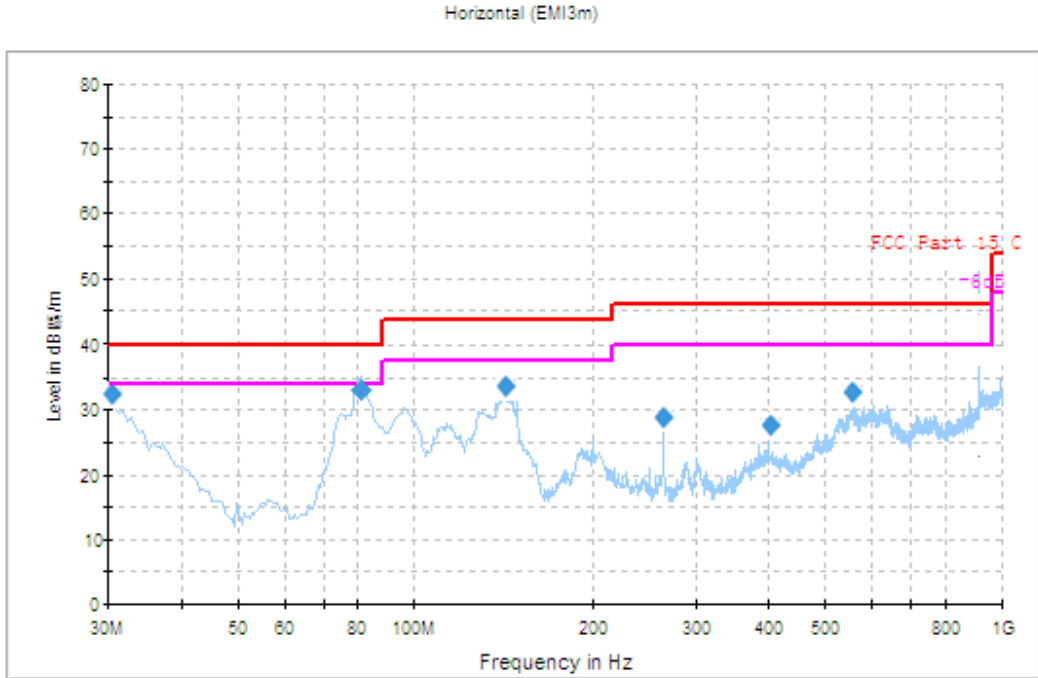


Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBµV/m	dBµV	dB/m	dB	dB	dBµV/m	dB	cm	deg	
1	32.73	VERTICAL	37.00	45.15	17.68	1.34	27.17	40.00	-3.00	104	136	QP
2	45.04	VERTICAL	31.06	46.13	11.01	1.11	27.19	40.00	-8.94	104		0 Peak
3	79.96	VERTICAL	30.62	48.29	8.18	1.44	27.29	40.00	-9.38	104		0 Peak
4	155.49	VERTICAL	35.70	52.98	7.42	2.10	26.80	43.50	-7.80	104		187 QP
5	204.60	VERTICAL	35.79	52.35	7.48	2.28	26.32	43.50	-7.71	104		0 Peak
6	241.95	VERTICAL	39.70	54.41	9.12	2.53	26.36	46.00	-6.30	104		0 Peak

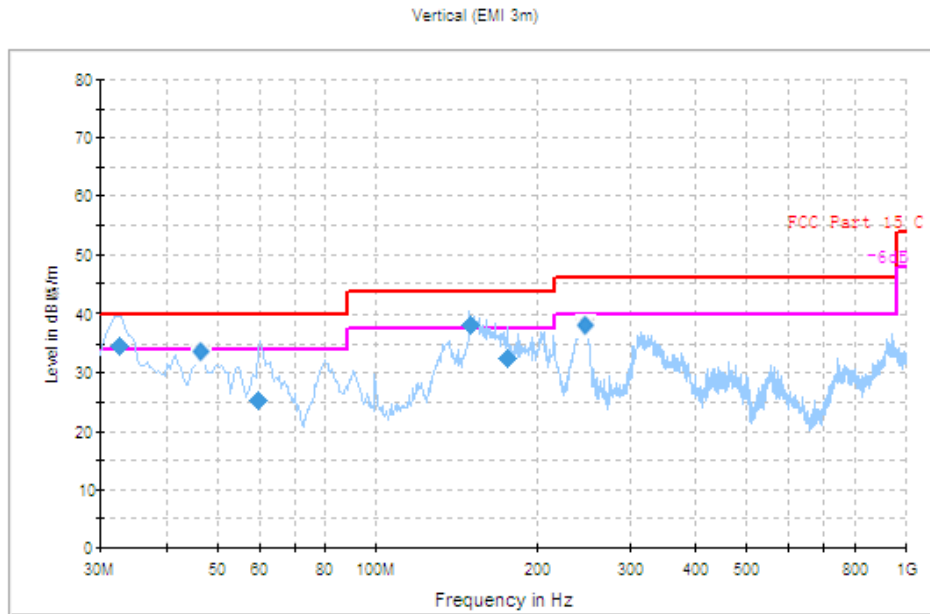
Test Mode: IEEE 802.11bTX

Test CH6: 2437MHz



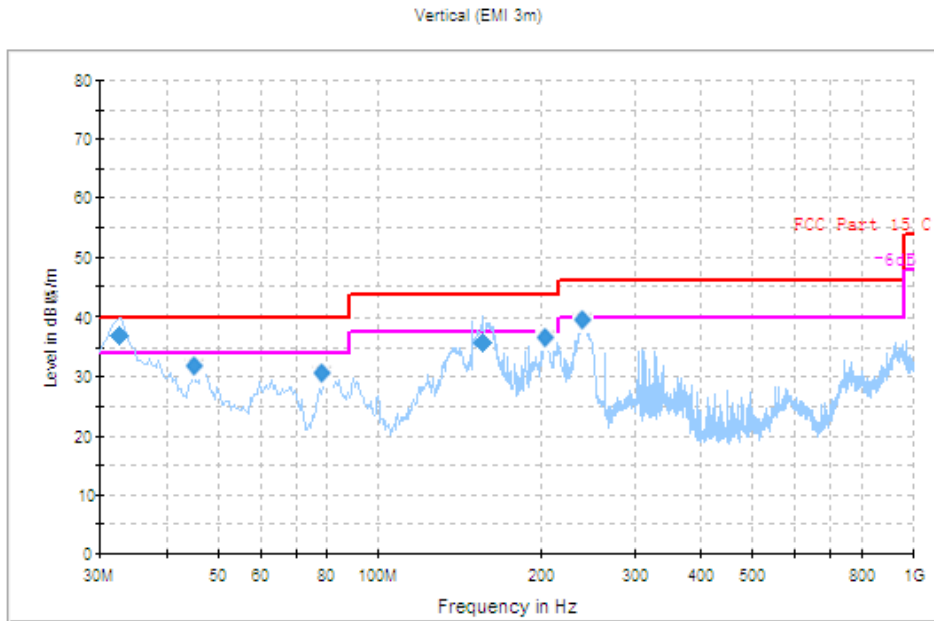
Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
out : MI
mode : WIFI B CH6
memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
1	31.94	HORIZONTAL	29.83	37.58	18.09	1.36	27.20	40.00	-10.17	104	0 Peak
2	81.20	HORIZONTAL	33.11	50.81	8.25	1.44	27.39	40.00	-6.89	254	202 QP
3	142.04	HORIZONTAL	32.08	49.16	7.91	1.89	26.88	43.50	-11.42	104	0 Peak
4	264.26	HORIZONTAL	27.95	41.82	9.84	2.67	26.38	46.00	-18.05	104	0 Peak
5	400.06	HORIZONTAL	25.92	36.23	13.49	3.34	27.14	46.00	-20.08	104	0 Peak
6	557.68	HORIZONTAL	30.73	38.26	16.32	3.91	27.76	46.00	-15.27	104	0 Peak



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH6
 memo :

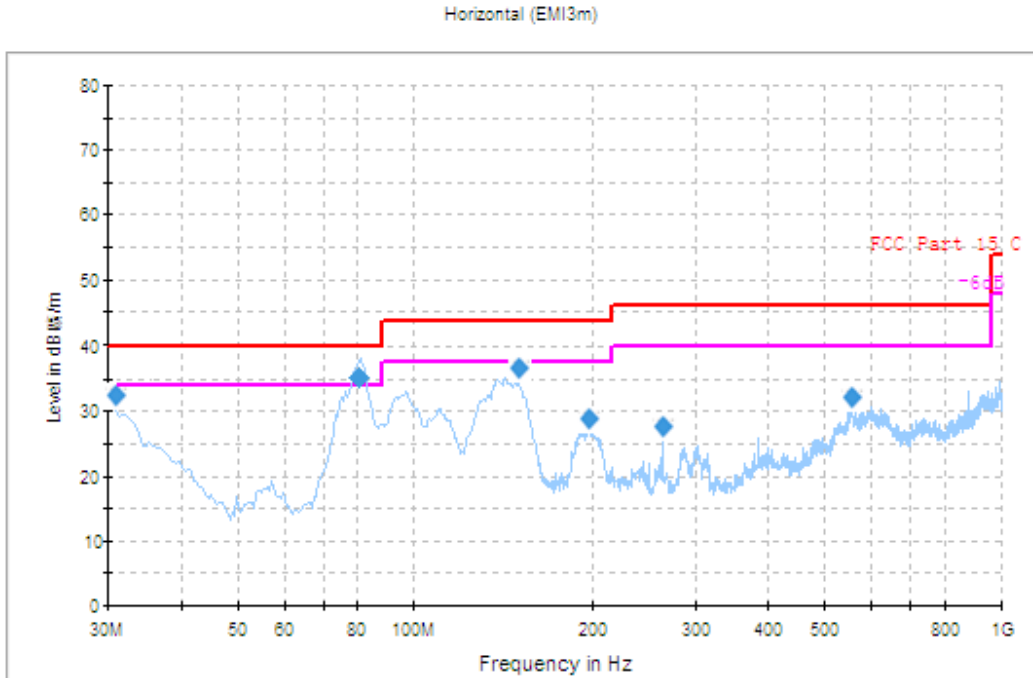
	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	32.66	VERTICAL	34.40	42.48	17.76	1.34	27.18	40.00	-5.60	104	131	QP
2	46.49	VERTICAL	33.93	49.95	10.09	1.09	27.20	40.00	-6.07	104	0	Peak
3	59.79	VERTICAL	25.10	47.15	3.66	1.39	27.10	40.00	-14.90	172	112	QP
4	149.98	VERTICAL	38.30	55.58	7.47	2.02	26.77	43.50	-5.20	104	170	QP
5	175.72	VERTICAL	32.50	49.42	7.74	2.17	26.83	43.50	-11.00	104	131	QP
6	243.89	VERTICAL	38.56	53.16	9.20	2.58	26.38	46.00	-7.44	104	0	Peak



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH1
 memo :

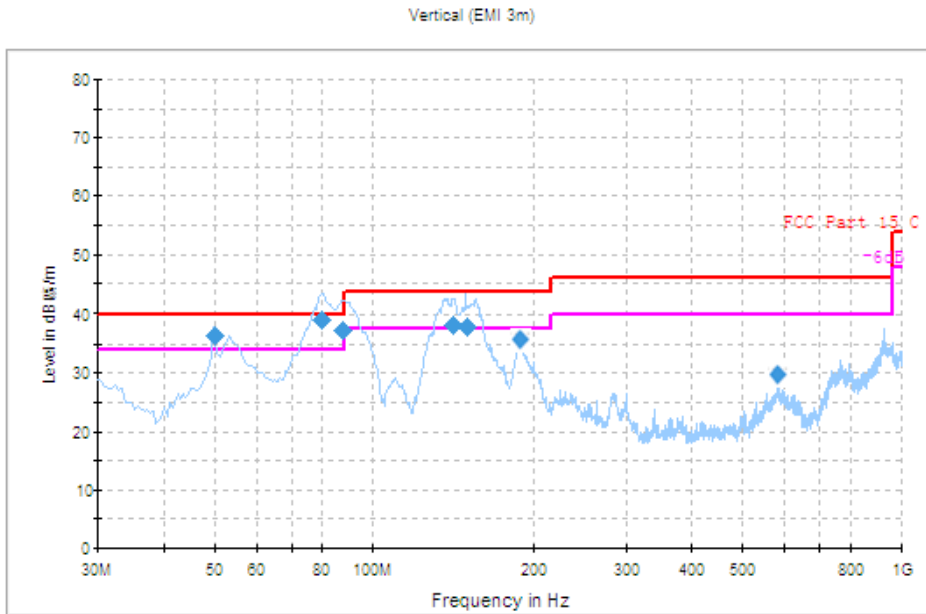
	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBµV/m	dBµV	dB/m	dB	dB	dBµV/m	dB	cm	deg	
1	32.73	VERTICAL	37.00	45.15	17.68	1.34	27.17	40.00	-3.00	104	136	QP
2	45.04	VERTICAL	31.06	46.13	11.01	1.11	27.19	40.00	-8.94	104		0 Peak
3	79.96	VERTICAL	30.62	48.29	8.18	1.44	27.29	40.00	-9.38	104		0 Peak
4	155.49	VERTICAL	35.70	52.98	7.42	2.10	26.80	43.50	-7.80	104		187 QP
5	204.60	VERTICAL	35.79	52.35	7.48	2.28	26.32	43.50	-7.71	104		0 Peak
6	241.95	VERTICAL	39.70	54.41	9.12	2.53	26.36	46.00	-6.30	104		0 Peak

Test CH11: 2462MHz



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH11
 memo :

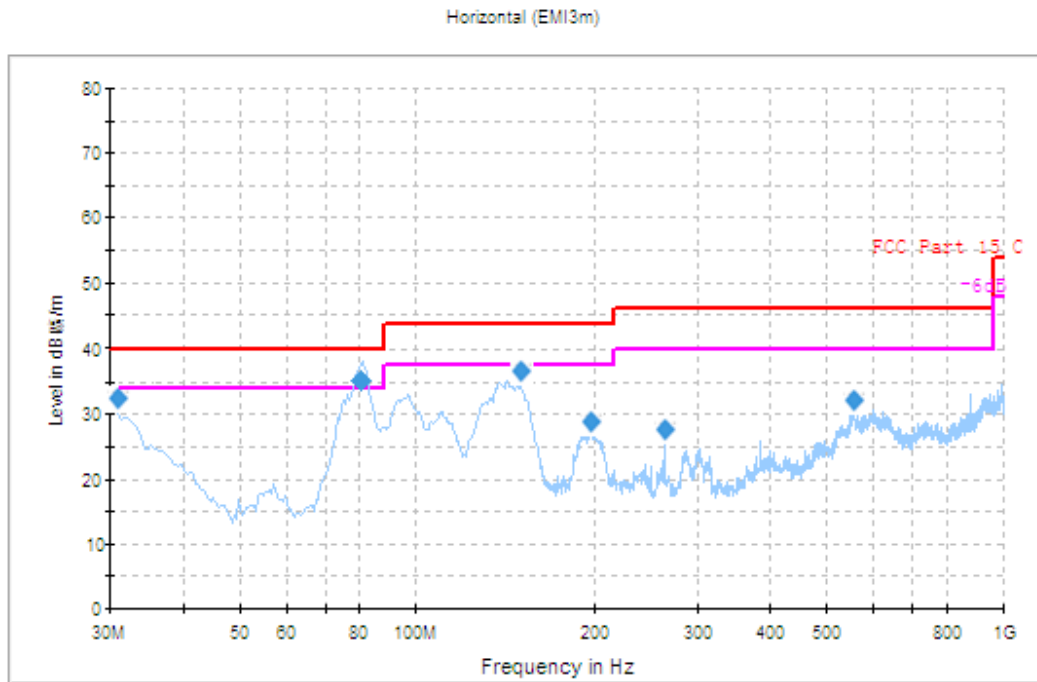
	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	30.49	HORIZONTAL	32.71	40.02	18.88	1.09	27.28	40.00	-7.29	104	0	Peak
2	80.72	HORIZONTAL	35.10	52.79	8.23	1.44	27.36	40.00	-4.90	249	205	QP
3	149.80	HORIZONTAL	36.74	54.02	7.47	2.02	26.77	43.50	-6.76	104	0	Peak
4	197.93	HORIZONTAL	27.93	44.90	7.23	2.31	26.51	43.50	-15.57	104	0	Peak
5	263.77	HORIZONTAL	27.81	41.68	9.84	2.67	26.38	46.00	-18.19	104	0	Peak
6	551.86	HORIZONTAL	30.84	38.38	16.20	3.90	27.64	46.00	-15.16	104	0	Peak



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH11
 memo :

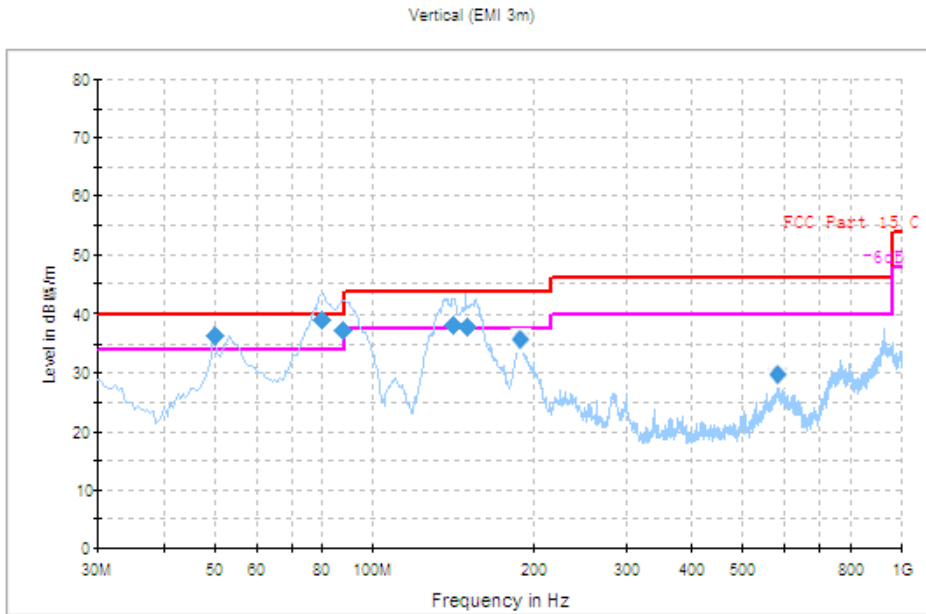
	Freq	Pol/Phase	Level	ReadAntenna		Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	50.00	VERTICAL	36.40	54.55	7.79	1.16	27.10	40.00	-3.60	104	184	QP
2	80.00	VERTICAL	39.00	56.69	8.18	1.44	27.31	40.00	-1.00	104	249	QP
3	87.92	VERTICAL	37.30	54.46	8.58	1.74	27.48	40.00	-2.70	104	249	QP
4	141.14	VERTICAL	38.20	55.23	7.99	1.88	26.90	43.50	-5.30	104	162	QP
5	150.00	VERTICAL	37.90	55.18	7.47	2.02	26.77	43.50	-5.60	121	174	QP
6	188.60	VERTICAL	34.85	51.95	7.36	2.30	26.76	43.50	-8.65	104	0	Peak
7	580.96	VERTICAL	28.55	35.62	16.72	3.97	27.76	46.00	-17.45	104	0	Peak

Test Mode: IEEE 802.11bTX
Test CH11: 2462MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
RBW:120.000KHz VBW:300.000KHz SWT:Auto
out : MI
mode : WIFI G CH1
memo :

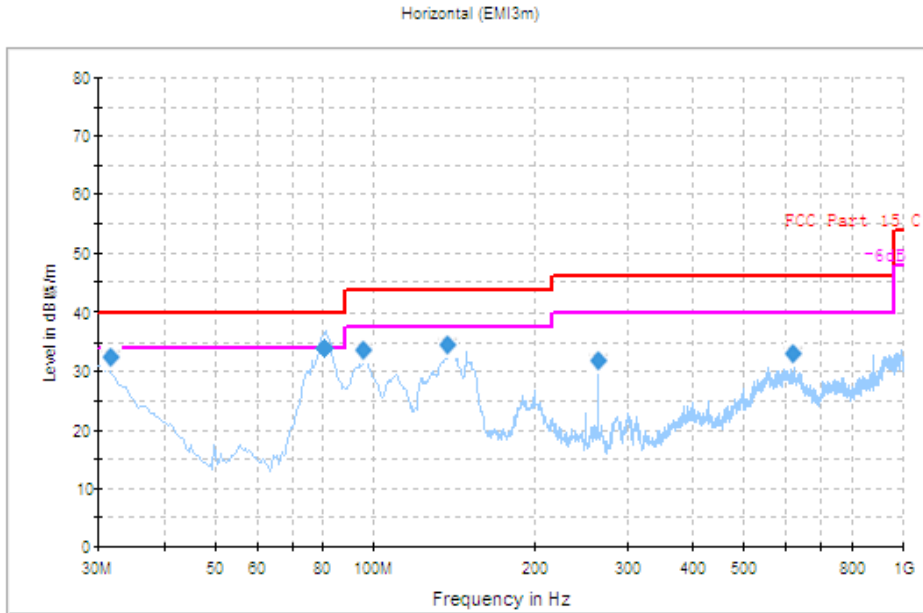
	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	31.46	HORIZONTAL	30.24	37.85	18.41	1.20	27.22	40.00	-9.76	104	0	Peak
2	80.67	HORIZONTAL	34.10	51.79	8.23	1.44	27.36	40.00	-5.90	239	204	QP
3	96.93	HORIZONTAL	31.68	48.50	8.77	1.72	27.31	43.50	-11.82	104	0	Peak
4	138.16	HORIZONTAL	33.04	49.99	8.13	1.84	26.92	43.50	-10.46	104	0	Peak
5	263.77	HORIZONTAL	29.97	43.84	9.84	2.67	26.38	46.00	-16.03	104	0	Peak
6	623.16	HORIZONTAL	31.80	37.89	17.40	4.16	27.65	46.00	-14.20	104	0	Peak



Site : 966 CHAMBER
 Condition : FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI G CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBµV/m	dBµV	dB/m	dB	dB	dBµV/m	dB	cm	deg	
1	50.00	VERTICAL	35.80	53.95	7.79	1.16	27.10	40.00	-4.20	104	207	QP
2	53.59	VERTICAL	31.20	51.56	5.53	1.25	27.14	40.00	-8.80	104	198	QP
3	79.38	VERTICAL	38.70	56.41	8.10	1.44	27.25	40.00	-1.30	104	214	QP
4	87.22	VERTICAL	38.30	55.49	8.57	1.74	27.50	40.00	-1.70	104	272	QP
5	141.27	VERTICAL	37.40	54.42	7.99	1.88	26.89	43.50	-6.10	104	148	QP
6	150.00	VERTICAL	36.80	54.08	7.47	2.02	26.77	43.50	-6.70	104	10	QP

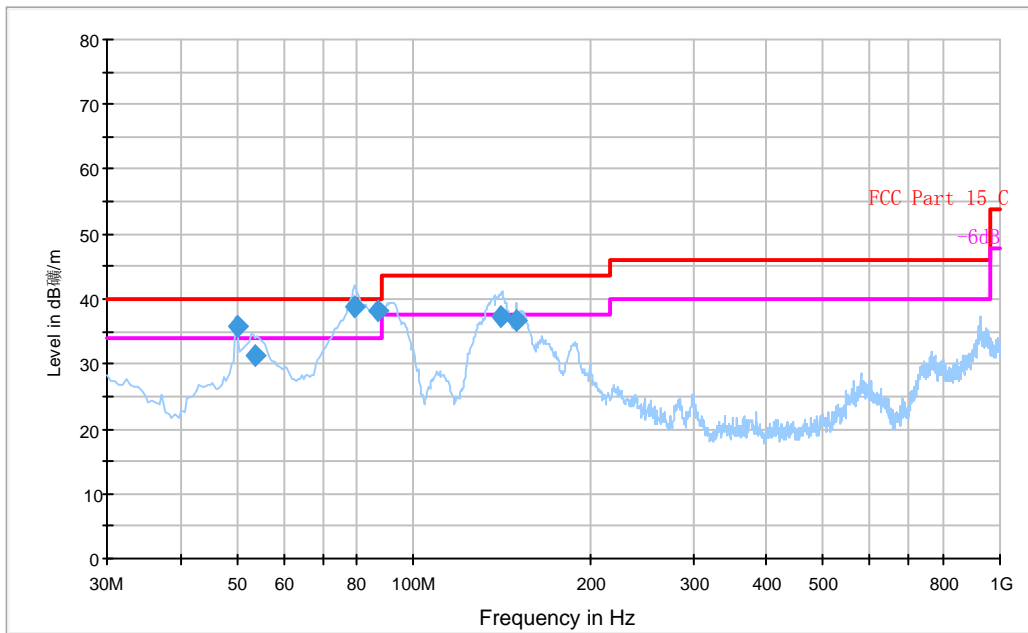
Test Mode: IEEE 802.11gTX
Test CH1: 2412MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562 HORIZONTAL
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI G CH1
memo :

	Freq	Antenna Level	Antenna Factor	Read Level	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg	
1	31.46	30.24	18.41	10.63	40.00	-9.76	104	0	Peak
2	80.67	34.10	8.23	24.43	40.00	-5.90	239	204	QP
3	96.93	31.68	8.77	21.19	43.50	-11.82	104	0	Peak
4	138.16	33.04	8.13	23.07	43.50	-10.46	104	0	Peak
5	263.77	29.97	9.84	17.46	46.00	-16.03	104	0	Peak
6	623.16	31.80	17.40	10.24	46.00	-14.20	104	0	Peak

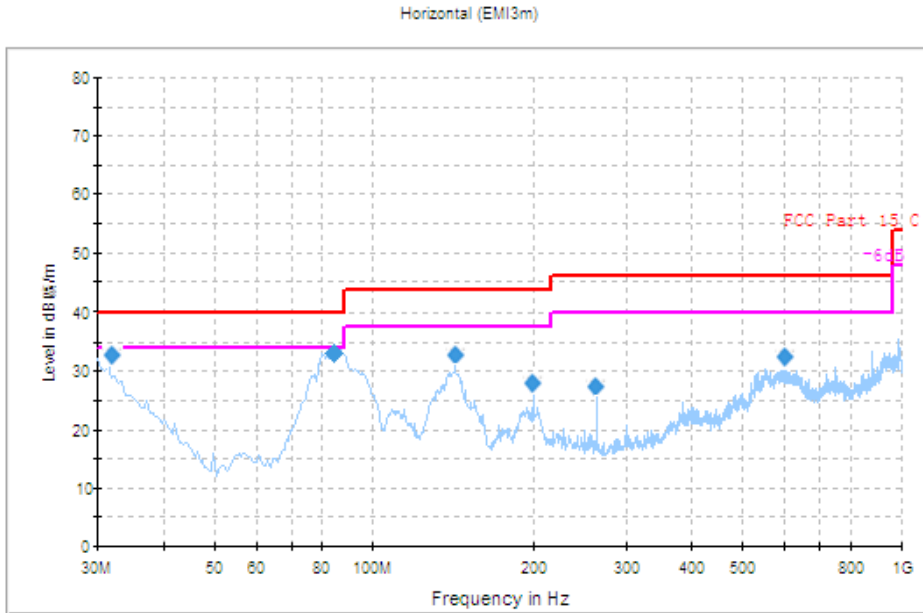
Vertical (EMI 3m)



Site : 966 CHAMBER
 Condition : FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI G CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna			Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	dB/m	Loss	Factor					
	MHz		dBuV/m	dBuV						cm	deg		
1	50.00	VERTICAL	35.80	53.95	7.79	1.16	27.10	40.00	-4.20	104	207	QP	
2	53.59	VERTICAL	31.20	51.56	5.53	1.25	27.14	40.00	-8.80	104	198	QP	
3	79.38	VERTICAL	38.70	56.41	8.10	1.44	27.25	40.00	-1.30	104	214	QP	
4	87.22	VERTICAL	38.30	55.49	8.57	1.74	27.50	40.00	-1.70	104	272	QP	
5	141.27	VERTICAL	37.40	54.42	7.99	1.88	26.89	43.50	-6.10	104	148	QP	
6	150.00	VERTICAL	36.80	54.08	7.47	2.02	26.77	43.50	-6.70	104	10	QP	

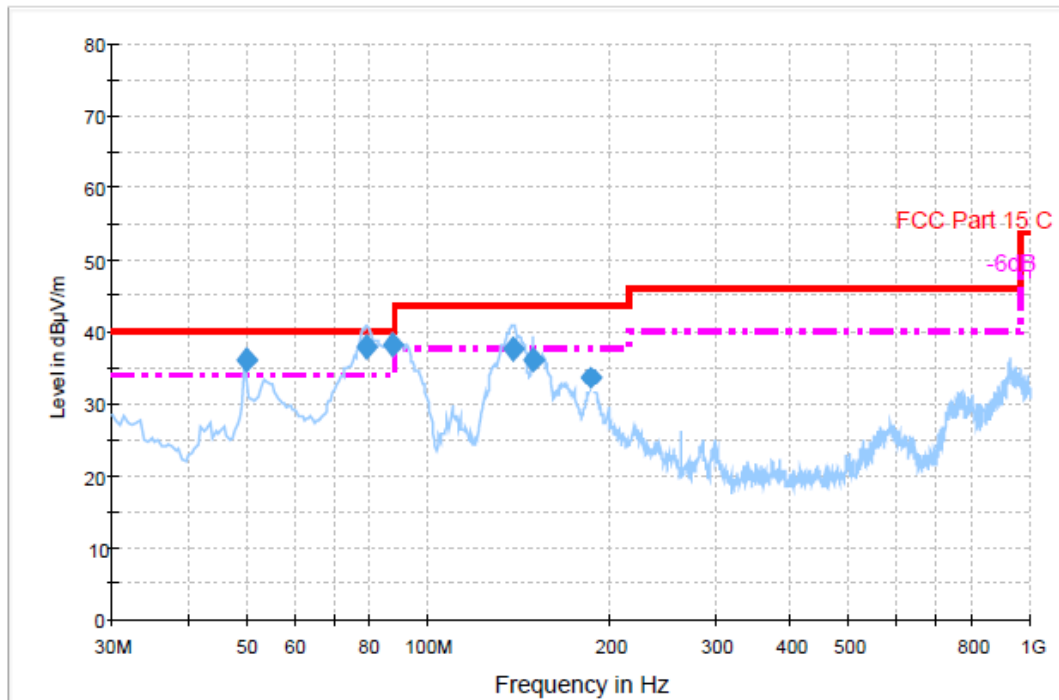
Test Mode: IEEE 802.11gTX
Test CH6: 2437MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
out : MI
mode : WIFI G CH6
memo :

	Freq	Pol/Phase	Level	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	31.46	HORIZONTAL	30.62	38.23	18.41	1.20	27.22	40.00	-9.38	104		0 Peak
2	84.55	HORIZONTAL	33.20	50.55	8.50	1.69	27.54	40.00	-6.80	250		200 QP
3	139.61	HORIZONTAL	29.76	46.76	8.06	1.86	26.92	43.50	-13.74	104		0 Peak
4	199.75	HORIZONTAL	25.92	42.82	7.23	2.30	26.43	43.50	-17.58	104		0 Peak
5	263.77	HORIZONTAL	25.04	38.91	9.84	2.67	26.38	46.00	-20.96	104		0 Peak
6	601.82	HORIZONTAL	30.94	37.65	17.02	4.04	27.77	46.00	-15.06	104		0 Peak

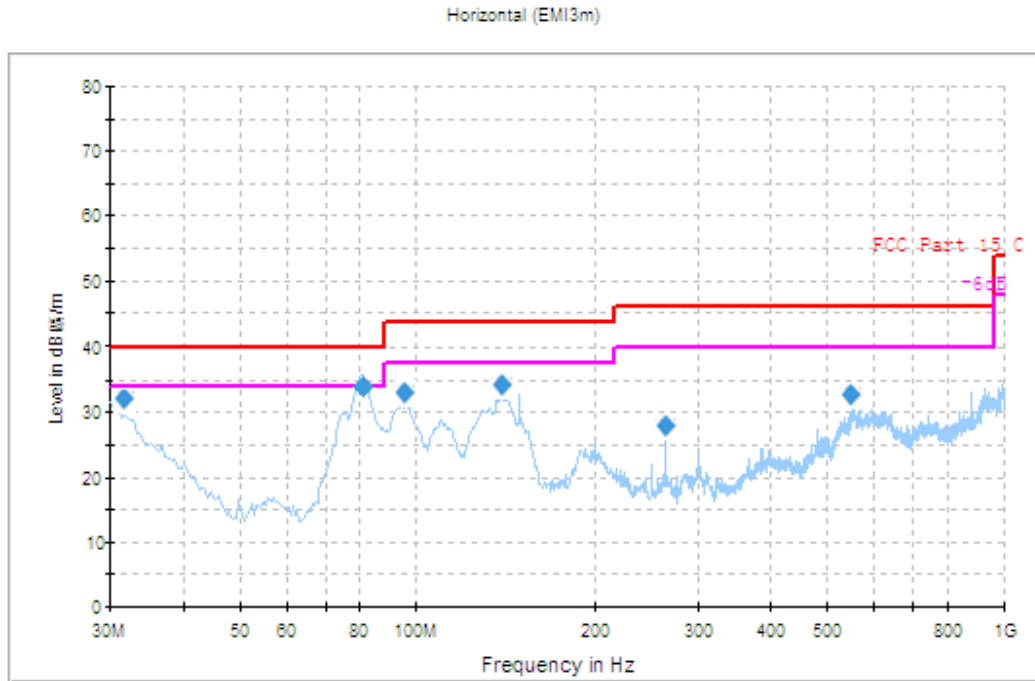
Vertical (EMI 3m)



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI G CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	50.01	VERTICAL	36.00	54.15	7.79	1.16	27.10	40.00	-4.00	104	214	QP
2	79.24	VERTICAL	37.90	55.61	8.10	1.44	27.25	40.00	-2.10	143	190	QP
3	87.50	VERTICAL	38.10	55.28	8.57	1.74	27.49	40.00	-1.90	104	233	QP
4	138.76	VERTICAL	37.60	54.57	8.10	1.85	26.92	43.50	-5.90	104	142	QP
5	150.00	VERTICAL	36.20	53.48	7.47	2.02	26.77	43.50	-7.30	122	150	QP
6	190.54	VERTICAL	31.75	48.91	7.25	2.32	26.73	43.50	-11.75	104	0	Peak

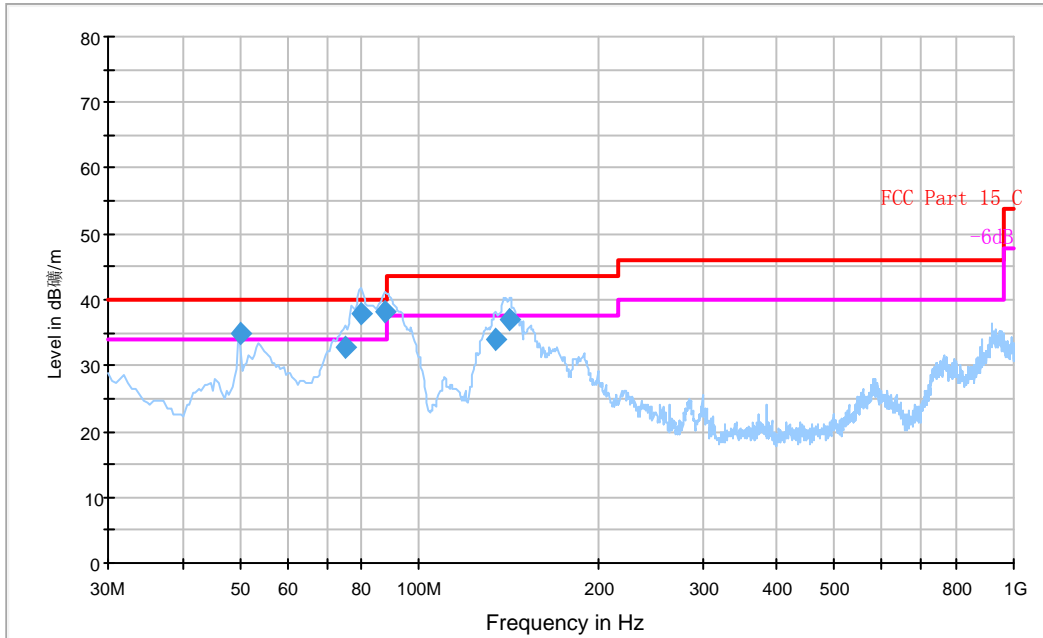
Test Mode: IEEE 802.11gTX
Test CH11: 2462MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI G CH11
memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	30.97	HORIZONTAL	30.62	38.10	18.65	1.12	27.25	40.00	-9.38	104	0	Peak
2	81.12	HORIZONTAL	33.90	51.59	8.25	1.44	27.38	40.00	-6.10	240	197	QP
3	97.42	HORIZONTAL	30.63	47.44	8.78	1.71	27.30	43.50	-12.87	104	0	Peak
4	149.80	HORIZONTAL	32.87	50.15	7.47	2.02	26.77	43.50	-10.63	104	0	Peak
5	264.26	HORIZONTAL	25.98	39.85	9.84	2.67	26.38	46.00	-20.02	104	0	Peak
6	554.77	HORIZONTAL	31.20	38.70	16.24	3.91	27.65	46.00	-14.80	104	0	Peak

Vertical (EMI 3m)

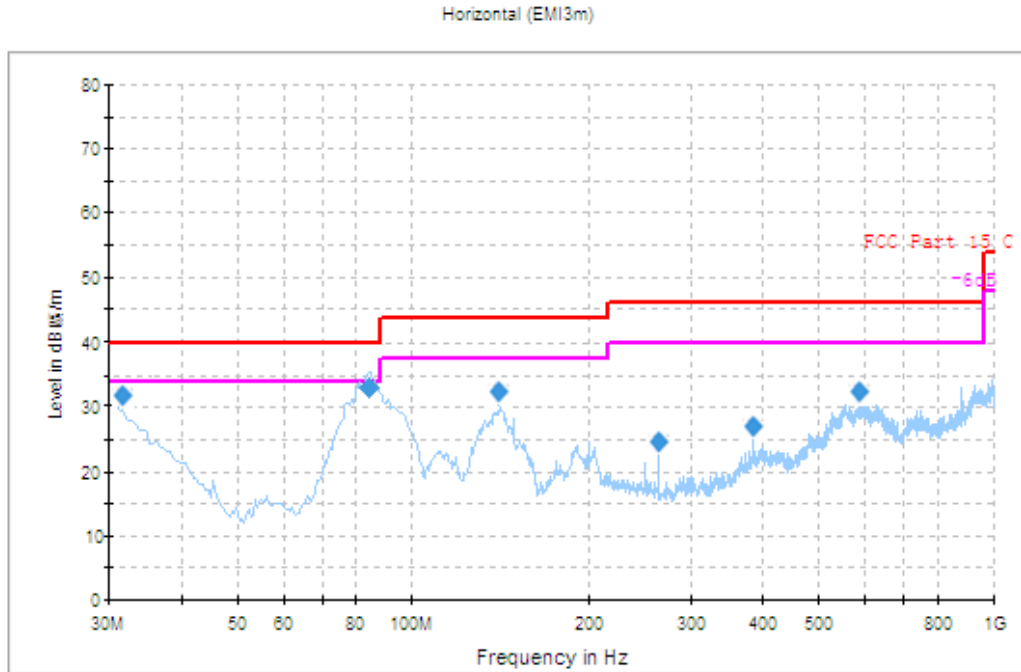


Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI G CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	50.00	VERTICAL	34.80	52.95	7.79	1.16	27.10	40.00	-5.20	140	249	QP
2	75.18	VERTICAL	32.90	50.76	7.59	1.45	26.90	40.00	-7.10	121	300	QP
3	79.67	VERTICAL	38.00	55.69	8.14	1.44	27.27	40.00	-2.00	104	232	QP
4	87.79	VERTICAL	38.20	55.36	8.58	1.74	27.48	40.00	-1.80	104	240	QP
5	134.50	VERTICAL	34.10	50.87	8.34	1.80	26.91	43.50	-9.40	120	125	QP
6	142.27	VERTICAL	37.00	54.07	7.91	1.89	26.87	43.50	-6.50	104	150	QP

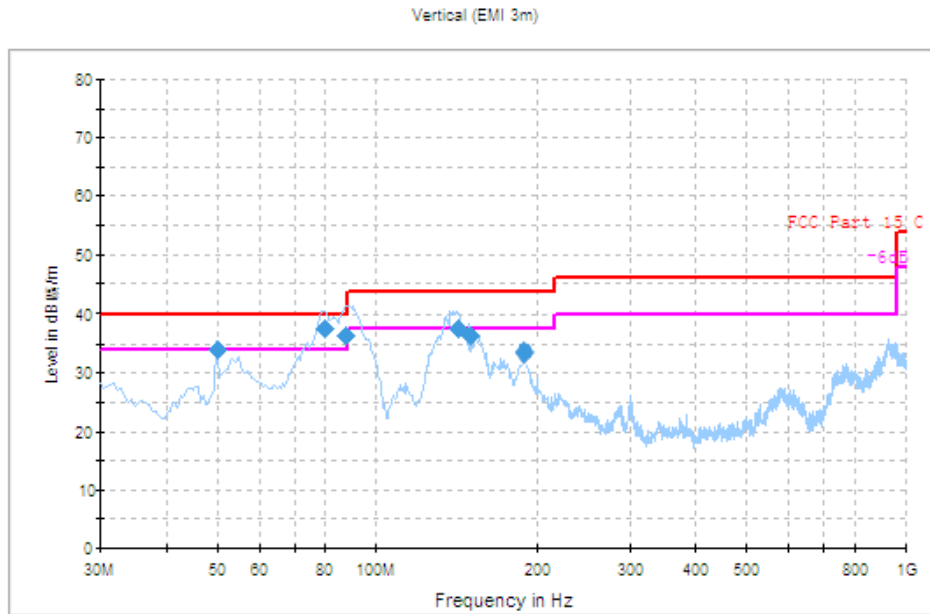
Test Mode: IEEE 802.11n HT20TX

Test CH1: 2412MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HLS62
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI 20N CH1
memo :

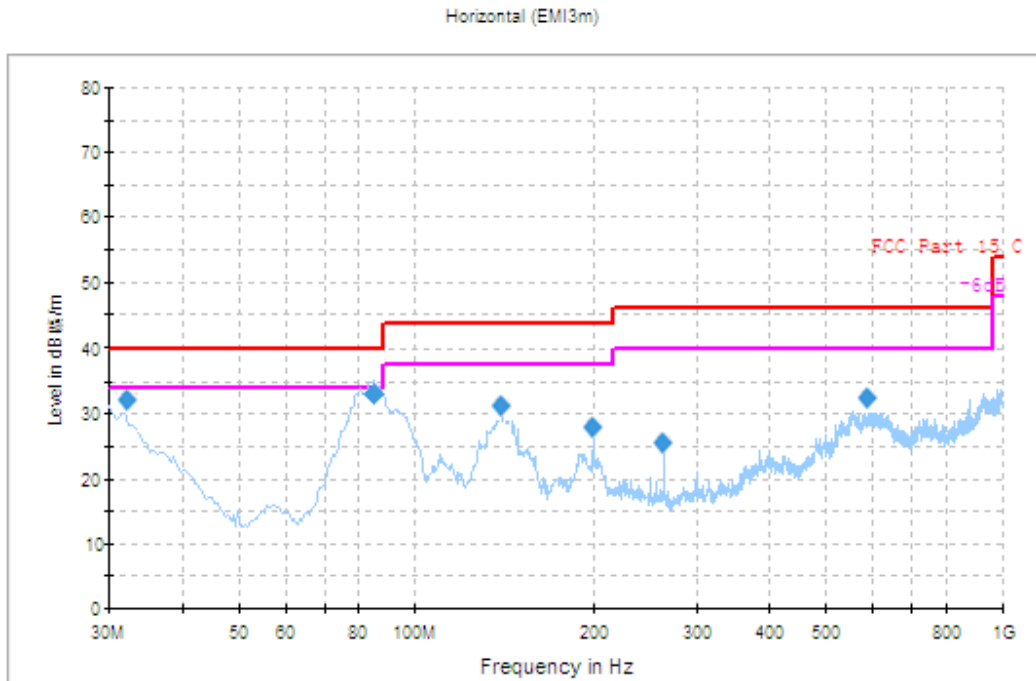
	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				Factor	Factor		dB	dB			
1	31.46	HORIZONTAL	29.86	37.47	18.41	1.20	27.22	40.00	-10.14	104	0 Peak
2	84.53	HORIZONTAL	33.10	50.45	8.50	1.69	27.54	40.00	-6.90	241	198 QP
3	143.01	HORIZONTAL	29.72	46.80	7.87	1.91	26.86	43.50	-13.78	104	0 Peak
4	264.26	HORIZONTAL	23.54	37.41	9.84	2.67	26.38	46.00	-22.46	104	0 Peak
5	384.05	HORIZONTAL	25.20	36.02	13.12	3.21	27.15	46.00	-20.80	104	0 Peak
6	594.54	HORIZONTAL	30.90	37.80	16.93	3.99	27.82	46.00	-15.10	104	0 Peak



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI 20N CH1
 memo :

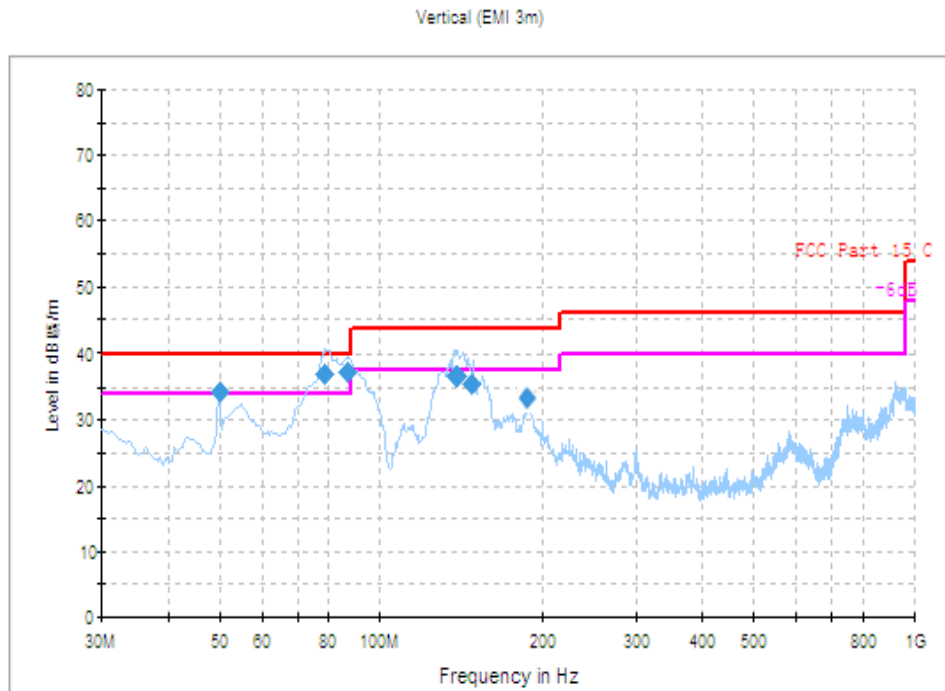
	Freq	Pol/Phase	Level	ReadAntenna			Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	dB/m	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg		
1	50.00	VERTICAL	34.00	52.15	7.79	1.16	27.10	40.00	-6.00	104	185	QP	
2	79.84	VERTICAL	37.70	55.37	8.18	1.44	27.29	40.00	-2.30	104	226	QP	
3	87.76	VERTICAL	36.50	53.66	8.58	1.74	27.48	40.00	-3.50	104	260	QP	
4	142.02	VERTICAL	37.70	54.78	7.91	1.89	26.88	43.50	-5.80	104	251	QP	
5	150.01	VERTICAL	36.40	53.68	7.47	2.02	26.77	43.50	-7.10	104	17	QP	
6	190.05	VERTICAL	32.95	50.12	7.25	2.31	26.73	43.50	-10.55	104	0	Peak	

Test Mode: IEEE 802.11n HT20TX
Test CH4: 2437MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI 20N CH6
memo :

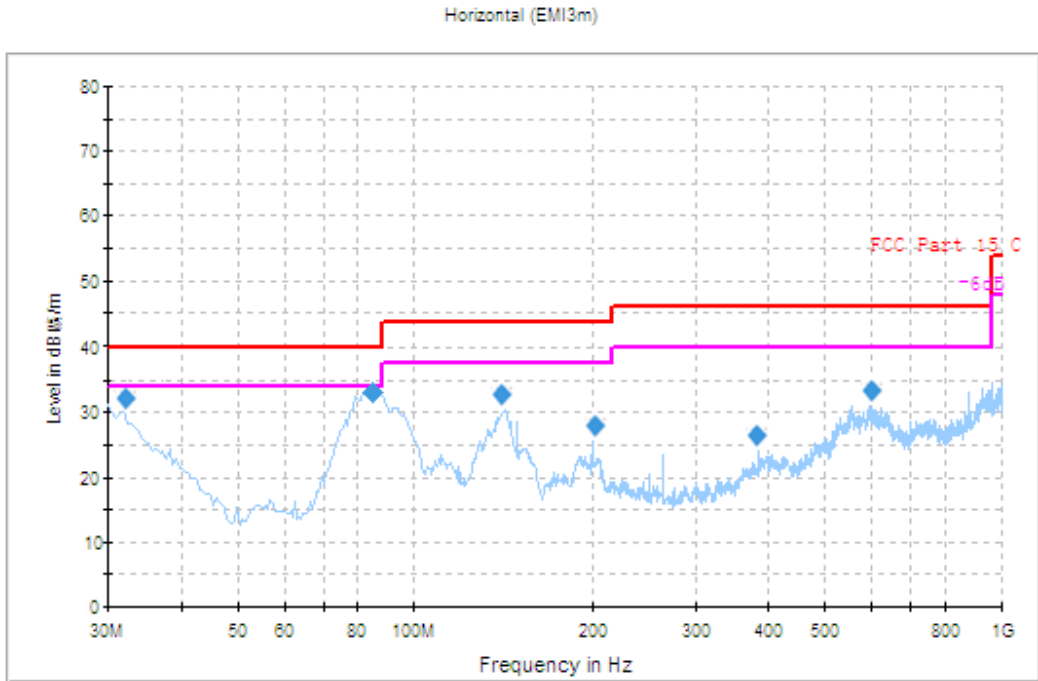
	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dB μ V/m	Level	Loss	Factor	Line	Limit	cm	deg	
1	31.94	HORIZONTAL	30.03	37.78	18.09	1.36	27.20	40.00	-9.97	104	0 Peak
2	84.90	HORIZONTAL	33.00	50.31	8.53	1.71	27.55	40.00	-7.00	230	193 QP
3	141.55	HORIZONTAL	29.52	46.58	7.95	1.88	26.89	43.50	-13.98	104	0 Peak
4	199.75	HORIZONTAL	26.35	43.25	7.23	2.30	26.43	43.50	-17.15	104	0 Peak
5	264.26	HORIZONTAL	23.50	37.37	9.84	2.67	26.38	46.00	-22.50	104	0 Peak
6	555.26	HORIZONTAL	30.38	37.84	16.28	3.91	27.65	46.00	-15.62	104	0 Peak



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI 20N CH6
 memo :

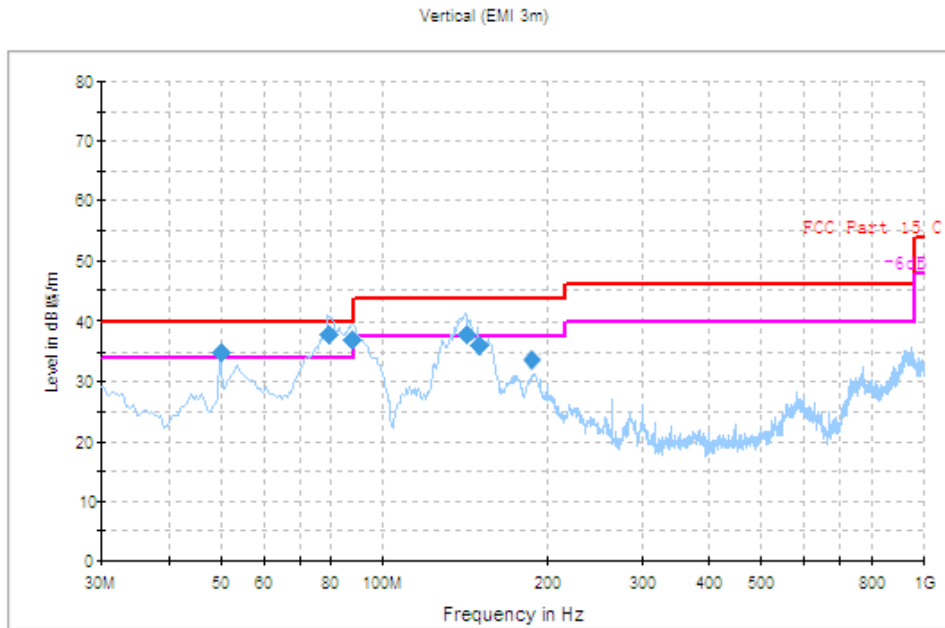
	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				Factor	Factor		dBuV/m	dB			
				dB/m	dB	dB		dB			
1	50.00	VERTICAL	34.20	52.35	7.79	1.16	27.10	40.00	-5.80	104	184 QP
2	78.85	VERTICAL	37.10	54.83	8.06	1.44	27.23	40.00	-2.90	104	228 QP
3	87.06	VERTICAL	37.20	54.40	8.57	1.74	27.51	40.00	-2.80	104	227 QP
4	138.60	VERTICAL	36.60	53.54	8.13	1.85	26.92	43.50	-6.90	122	177 QP
5	147.18	VERTICAL	35.40	52.58	7.63	1.98	26.79	43.50	-8.10	104	143 QP
6	188.11	VERTICAL	32.28	49.40	7.36	2.28	26.76	43.50	-11.22	104	0 Peak

Test Mode: IEEE 802.11n HT20TX
Test CH11: 2462MHz



Site : 966 CHAMBER
Condition : FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI 20N CH11
memo :

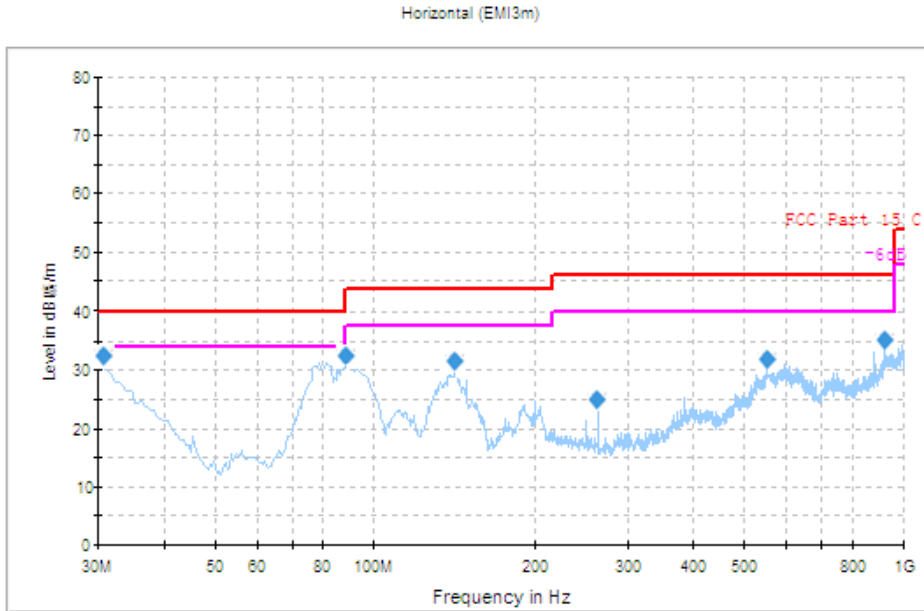
	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
1	31.94	HORIZONTAL	30.77	38.52	18.09	1.36	27.20	40.00	-9.23	104	0 Peak
2	84.84	HORIZONTAL	33.10	50.41	8.53	1.71	27.55	40.00	-6.90	240	193 QP
3	143.01	HORIZONTAL	30.54	47.62	7.87	1.91	26.86	43.50	-12.96	104	0 Peak
4	199.75	HORIZONTAL	25.98	42.88	7.23	2.30	26.43	43.50	-17.52	104	0 Peak
5	384.05	HORIZONTAL	25.35	36.17	13.12	3.21	27.15	46.00	-20.65	104	0 Peak
6	596.00	HORIZONTAL	31.38	38.27	16.93	4.00	27.82	46.00	-14.62	104	0 Peak



Site : 966 CHAMBER
 Condition : FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI 20N CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
1	50.00	VERTICAL	34.90	53.05	7.79	1.16	27.10	40.00	-5.10	104	187 QP
2	79.12	VERTICAL	37.80	55.51	8.10	1.44	27.25	40.00	-2.20	143	187 QP
3	87.37	VERTICAL	36.80	53.99	8.57	1.74	27.50	40.00	-3.20	104	219 QP
4	142.19	VERTICAL	37.80	54.88	7.91	1.89	26.88	43.50	-5.70	104	158 QP
5	149.97	VERTICAL	36.10	53.38	7.47	2.02	26.77	43.50	-7.40	104	180 QP
6	189.08	VERTICAL	31.52	48.66	7.30	2.31	26.75	43.50	-11.98	104	0 Peak

Test Mode: IEEE 802.11n HT40TX
Test CH1: 2422MHz

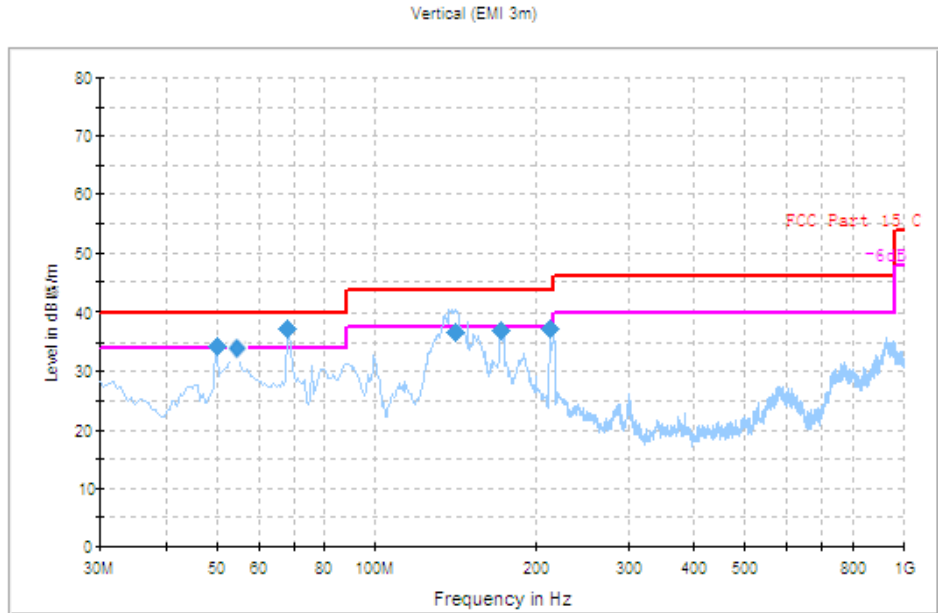


Site : 966 CHAMBER
Condition : FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI 40N CH1
memo :

	Freq	Pol/Phase	Level	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	30.06	HORIZONTAL	30.48	37.50	19.18	1.12	27.32	40.00	-9.52	104	0	Peak
2	95.15	HORIZONTAL	32.14	49.02	8.73	1.73	27.34	43.50	-11.36	104	0	Peak
3	151.49	HORIZONTAL	33.61	50.87	7.45	2.05	26.76	43.50	-9.89	104	0	Peak
4	246.18	HORIZONTAL	26.54	41.00	9.28	2.66	26.40	46.00	-19.46	104	0	Peak
5	564.28	HORIZONTAL	31.06	38.69	16.41	3.93	27.97	46.00	-14.94	104	0	Peak
6	916.48	HORIZONTAL	34.06	36.08	20.72	4.98	27.72	46.00	-11.94	104	0	Peak

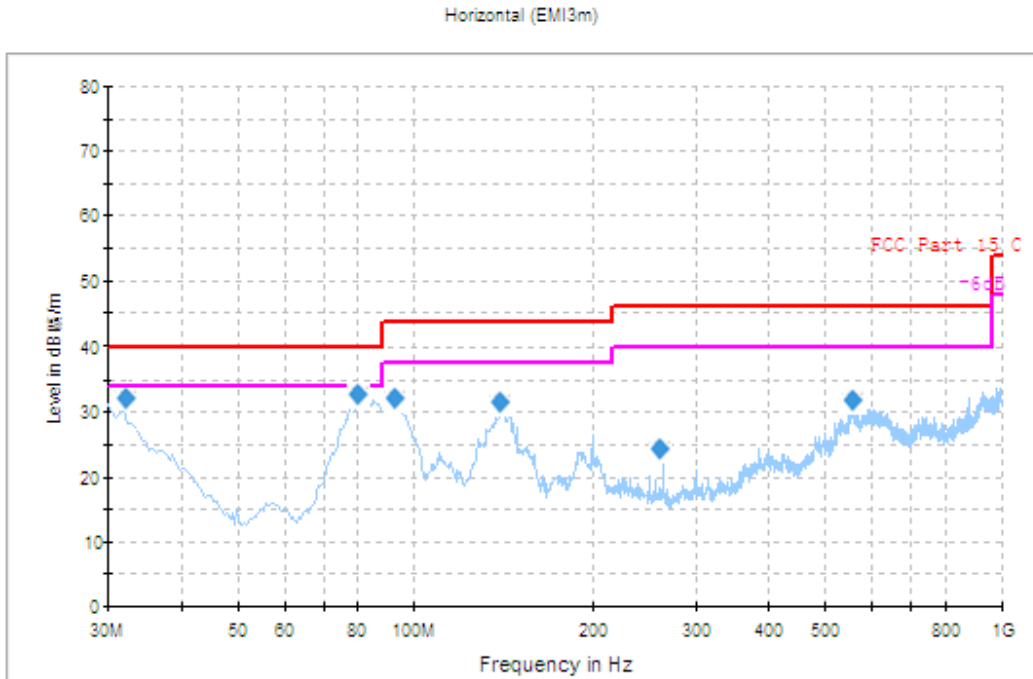
Test Mode: IEEE 802.11n HT40TX

Test CH4: 2437MHz



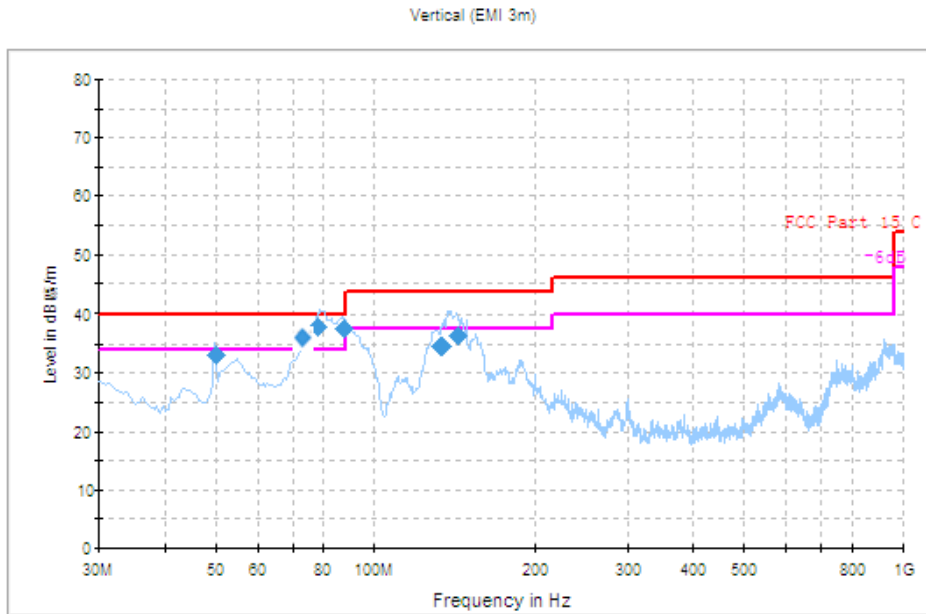
Site : 966 CHAMBER
Condition : FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI 40N CH1
memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
				dBuV	dB/m	dB	dB	dBuV/m	dB		
1	50.01	VERTICAL	34.20	52.35	7.79	1.16	27.10	40.00	-5.80	104	0 QP
2	51.50	VERTICAL	32.06	50.99	6.94	1.20	27.07	40.00	-7.94	104	0 QP
3	68.13	VERTICAL	37.40	57.09	5.90	1.29	26.88	40.00	-2.60	104	0 QP
4	140.43	VERTICAL	36.80	53.81	8.03	1.87	26.91	43.50	-6.70	104	201 QP
5	172.10	VERTICAL	37.10	54.24	7.56	2.17	26.87	43.50	-6.40	104	0 QP
6	213.40	VERTICAL	37.30	53.51	7.94	2.29	26.44	43.50	-6.20	104	0 QP



Site : 966 CHAMBER
 Condition : FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI 40N CH6
 memo :

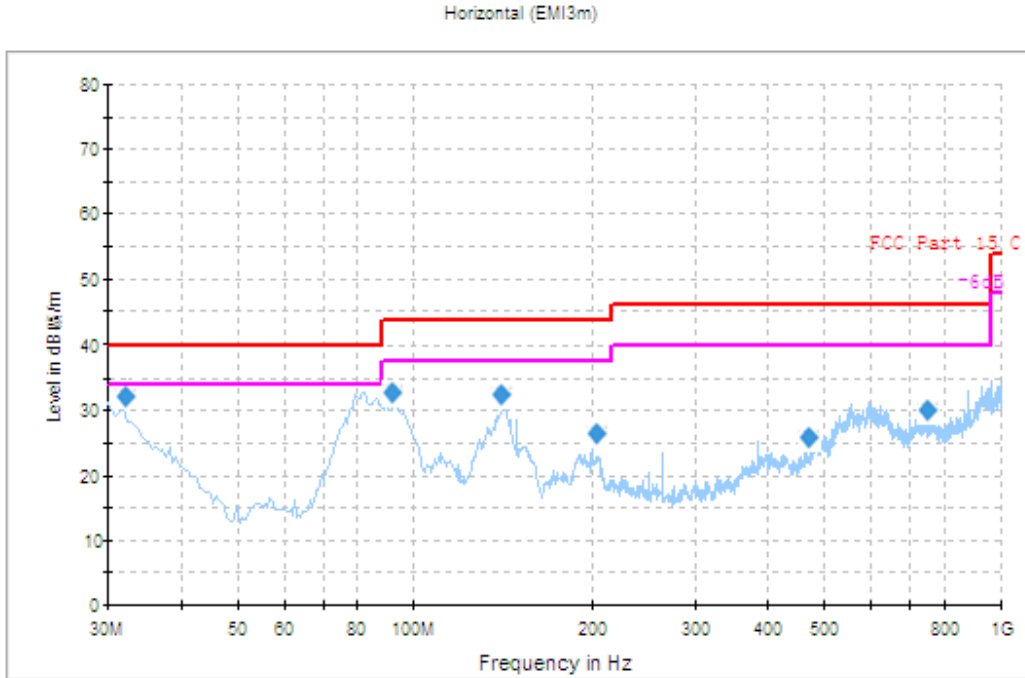
	Freq	Pol/Phase	Level	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	31.04	HORIZONTAL	30.17	37.64	18.65	1.12	27.24	40.00	-9.83	104	0	Peak
2	61.12	HORIZONTAL	32.09	49.78	8.25	1.44	27.38	40.00	-7.91	104	0	Peak
3	91.37	HORIZONTAL	30.07	47.07	8.65	1.74	27.39	43.50	-13.43	104	0	Peak
4	157.03	HORIZONTAL	33.69	50.98	7.41	2.13	26.83	43.50	-9.81	104	0	Peak
5	265.34	HORIZONTAL	26.94	40.78	9.87	2.67	26.38	46.00	-19.06	104	0	Peak
6	573.13	HORIZONTAL	30.04	37.31	16.58	3.95	27.80	46.00	-15.96	104	0	Peak



Site : 966 CHAMBER
 Condition : FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI 40N CH6
 memo :

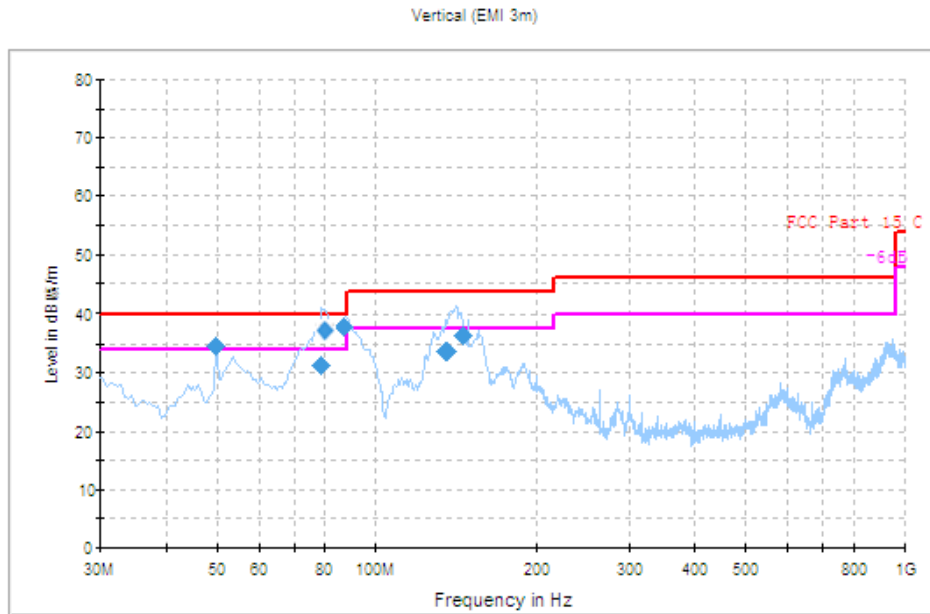
	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
1	50.06	VERTICAL	33.06	51.21	7.79	1.16	27.10	40.00	-6.94	104	143 QP
2	76.13	VERTICAL	32.90	50.75	7.71	1.45	27.01	40.00	-7.10	104	0 QP
3	78.14	VERTICAL	37.80	55.55	7.97	1.44	27.16	40.00	-2.20	104	0 QP
4	87.60	VERTICAL	37.60	54.77	8.58	1.74	27.49	40.00	-2.40	104	0 QP
5	134.00	VERTICAL	34.60	51.34	8.38	1.80	26.92	43.50	-8.90	104	0 QP
6	143.02	VERTICAL	36.30	53.38	7.87	1.91	26.86	43.50	-7.20	124	163 QP

Test Mode: IEEE 802.11n HT40TX
Test CH7: 2452MHz



Site : 966 CHAMBER
Condition: FCC CLASS C 3m HL562
: RBW:120.000KHz VBW:300.000KHz SWT:Auto
cut : MI
mode : WIFI 40N CH11
memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Loss	Preamp	Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	30.97	HORIZONTAL	30.62	38.10	18.65	1.12	27.25	40.00	-9.38	104	0	Peak
2	96.41	HORIZONTAL	31.28	48.12	8.76	1.72	27.32	43.50	-12.22	104	0	Peak
3	149.80	HORIZONTAL	32.88	50.16	7.47	2.02	26.77	43.50	-10.62	104	0	Peak
4	200.13	HORIZONTAL	25.64	42.55	7.23	2.29	26.43	43.50	-17.86	104	0	Peak
5	480.30	HORIZONTAL	27.37	36.30	15.12	3.48	27.53	46.00	-18.63	104	0	Peak
6	741.01	HORIZONTAL	29.64	34.26	18.87	4.60	28.09	46.00	-16.36	104	0	Peak

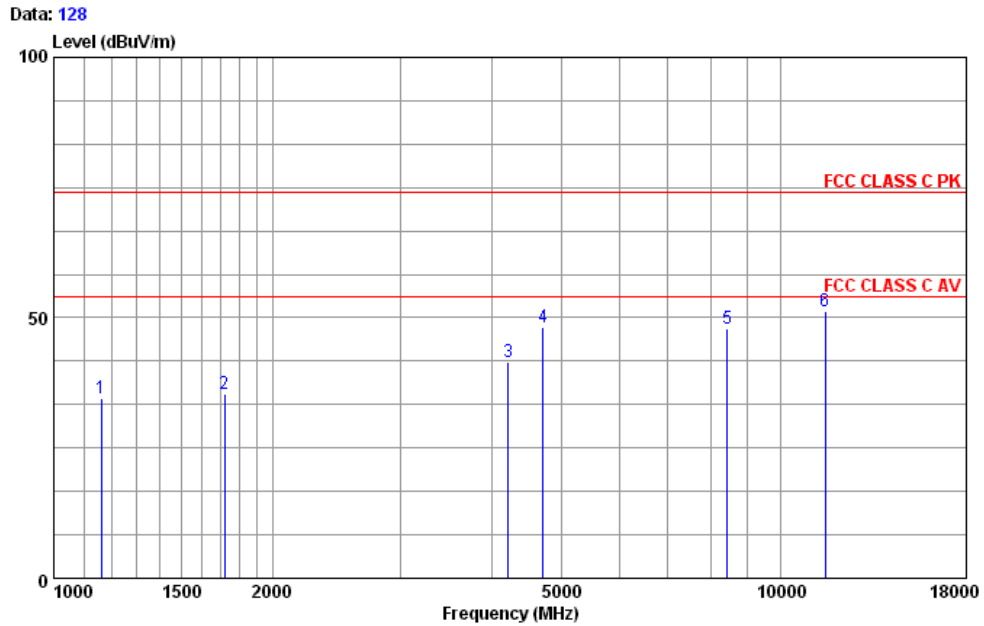


Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI 40N CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
1	49.90	VERTICAL	34.70	52.72	7.93	1.15	27.10	40.00	-5.30	104	0 QP
2	76.20	VERTICAL	31.40	49.25	7.71	1.45	27.01	40.00	-8.60	104	0 QP
3	78.90	VERTICAL	37.60	55.33	8.06	1.44	27.23	40.00	-2.40	104	0 QP
4	87.10	VERTICAL	37.80	55.00	8.57	1.74	27.51	40.00	-2.20	104	0 QP
5	135.10	VERTICAL	33.64	50.44	8.30	1.81	26.91	43.50	-9.86	104	0 QP
6	145.12	VERTICAL	36.50	53.63	7.75	1.95	26.83	43.50	-7.00	104	0 QP

Table 9 Radiated Emission Test Data(Above 1GHz)

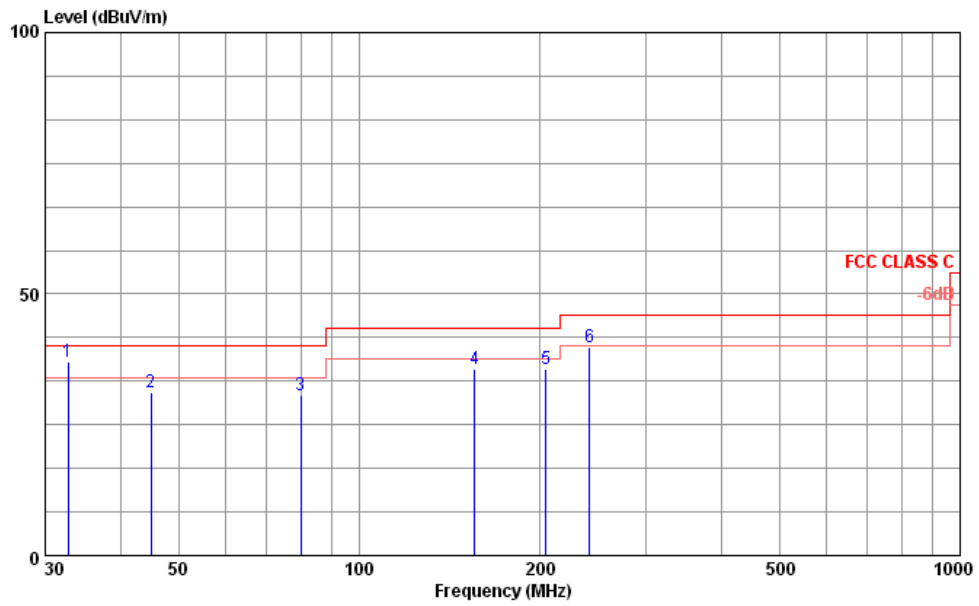
Test Mode: IEEE 802.11b TX



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1163.54	HORIZONTAL	34.48	53.55	23.93	3.10	46.10	74.00	-39.52	104	0	Peak
2	1717.06	HORIZONTAL	35.45	50.92	25.84	3.76	45.07	74.00	-38.55	104	0	Peak
3	4220.48	HORIZONTAL	41.52	47.29	31.56	6.67	44.00	74.00	-32.48	104	0	Peak
4	4713.00	HORIZONTAL	48.17	53.63	32.01	6.40	43.87	74.00	-25.83	104	0	Peak
5	8434.78	HORIZONTAL	47.88	46.52	35.85	8.77	43.26	74.00	-26.12	104	0	Peak
6	11516.88	HORIZONTAL	51.24	44.89	37.90	10.62	42.17	74.00	-22.76	104	0	Peak

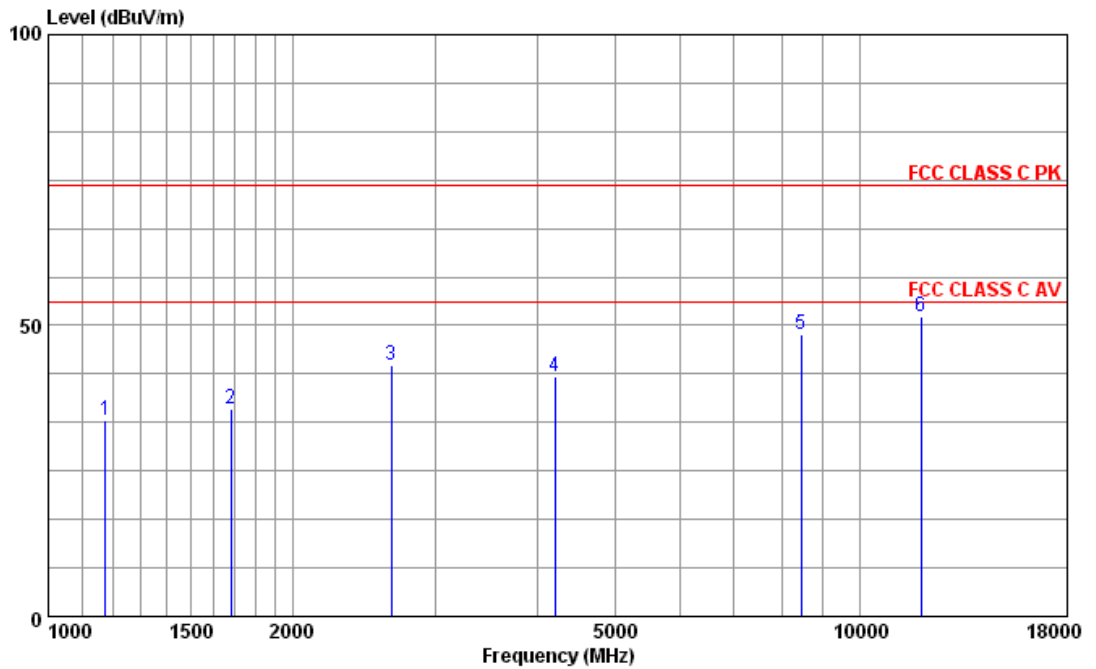
Data: 146



Site : 966 CHAMBER
 Condition: FCC CLASS C 3m HL562
 : RBW:120.000KHz VBW:300.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
				dBuV	dB/m	dB	dB	dB			
1	32.73	VERTICAL	37.00	45.15	17.68	1.34	27.17	40.00	-3.00	104	136 QP
2	45.04	VERTICAL	31.06	46.13	11.01	1.11	27.19	40.00	-8.94	104	0 Peak
3	79.96	VERTICAL	30.62	48.29	8.18	1.44	27.29	40.00	-9.38	104	0 Peak
4	155.49	VERTICAL	35.70	52.98	7.42	2.10	26.80	43.50	-7.80	104	187 QP
5	204.60	VERTICAL	35.79	52.35	7.48	2.28	26.32	43.50	-7.71	104	0 Peak
6	241.95	VERTICAL	39.70	54.41	9.12	2.53	26.36	46.00	-6.30	104	0 Peak

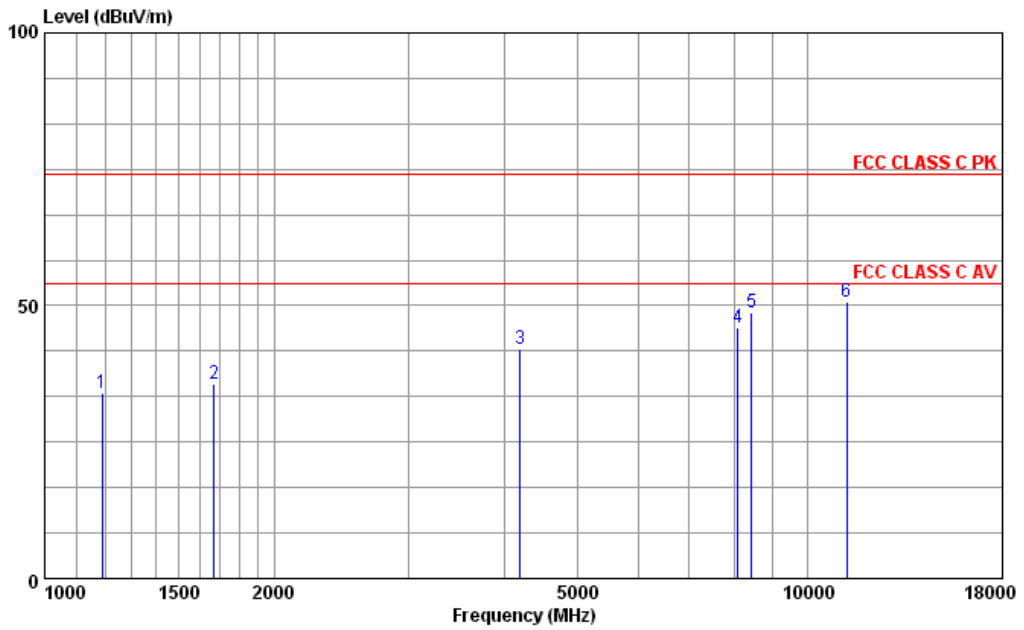
Data: 133



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VEW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1176.12	VERTICAL	33.63	52.66	23.93	3.11	46.07	74.00	-40.37	104	0	Peak
2	1679.32	VERTICAL	35.56	51.25	25.69	3.76	45.14	74.00	-38.44	104	0	Peak
3	2647.63	VERTICAL	43.16	55.38	28.11	4.64	44.97	74.00	-30.84	104	0	Peak
4	4207.90	VERTICAL	41.31	47.22	31.56	6.53	44.00	74.00	-32.69	104	0	Peak
5	8459.94	VERTICAL	48.42	47.09	35.87	8.74	43.28	74.00	-25.58	104	0	Peak
6	11881.70	VERTICAL	51.56	44.98	37.82	10.66	41.90	74.00	-22.44	104	0	Peak

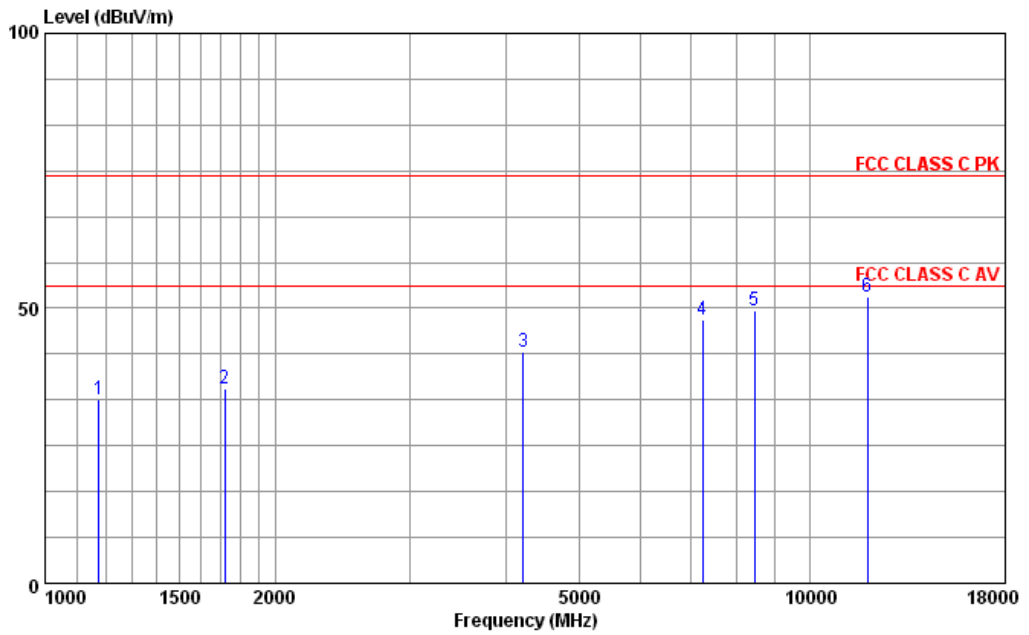
Data: 132



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode : WIFI B CH6
memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
				dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1188.70	HORIZONTAL	33.92	52.85	23.98	3.12	46.03	74.00	-40.08	104	0 Peak
2	1666.74	HORIZONTAL	35.55	51.33	25.62	3.77	45.17	74.00	-38.45	104	0 Peak
3	4195.32	HORIZONTAL	42.04	48.09	31.56	6.39	44.00	74.00	-31.96	104	0 Peak
4	8105.61	HORIZONTAL	46.09	44.49	35.58	9.00	42.98	74.00	-27.91	104	0 Peak
5	8447.36	HORIZONTAL	48.62	47.25	35.86	8.77	43.26	74.00	-25.38	104	0 Peak
6	11240.12	HORIZONTAL	50.72	45.00	37.79	10.35	42.42	74.00	-23.28	104	0 Peak

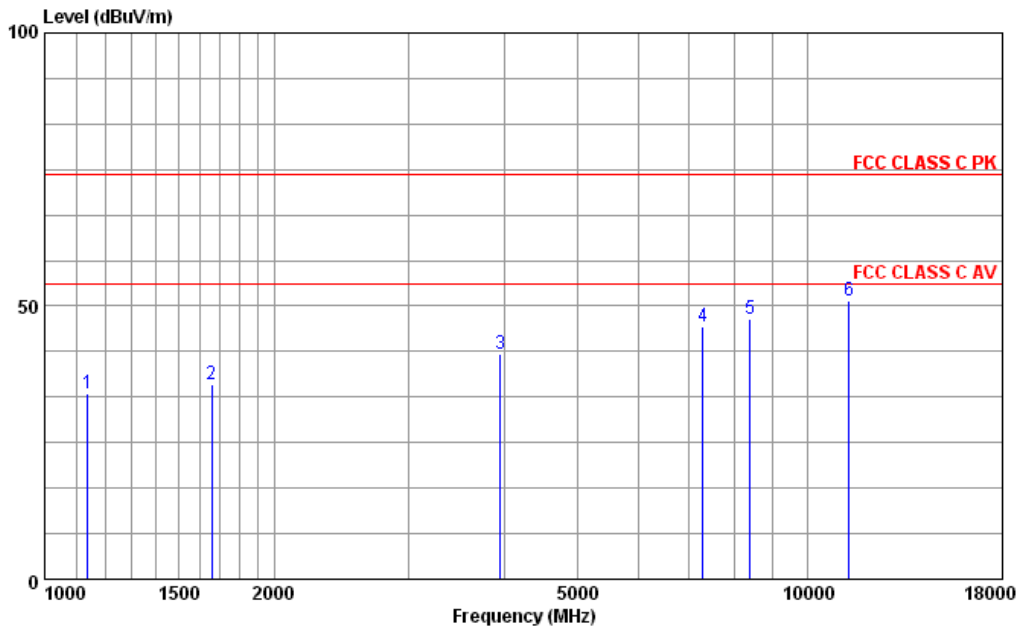
Data: 131



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode : WIFI B CH11
memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1176.12	HORIZONTAL	33.36	52.39	23.93	3.11	46.07	74.00	-40.64	104	0	Peak
2	1717.06	HORIZONTAL	35.24	50.71	25.84	3.76	45.07	74.00	-38.76	104	0	Peak
3	4220.48	HORIZONTAL	42.17	47.94	31.56	6.67	44.00	74.00	-31.83	104	0	Peak
4	7243.30	HORIZONTAL	48.05	47.00	35.33	8.32	42.60	74.00	-25.95	104	0	Peak
5	8459.94	HORIZONTAL	49.60	48.27	35.87	8.74	43.28	74.00	-24.40	104	0	Peak
6	11894.28	HORIZONTAL	52.15	45.62	37.82	10.59	41.88	74.00	-21.85	104	0	Peak

Data: 130

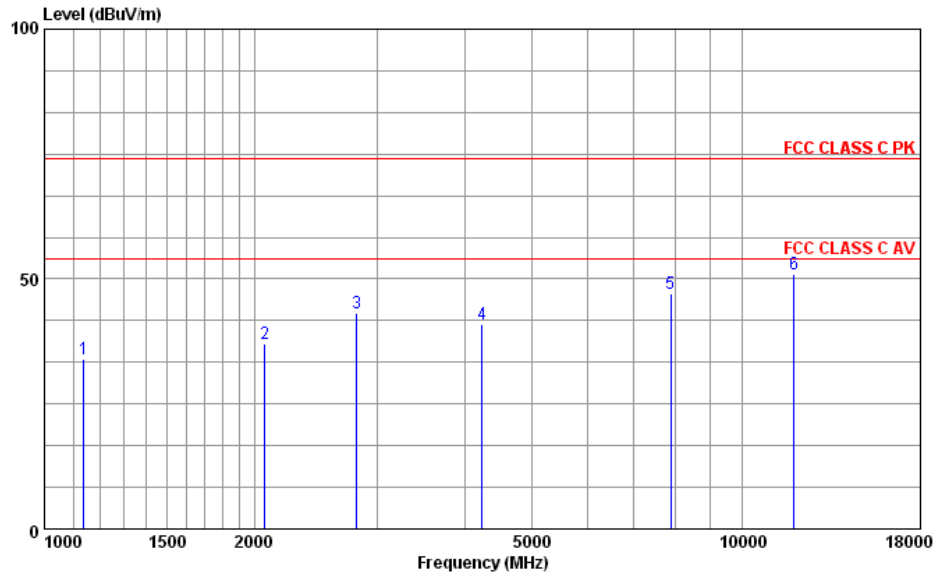


Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI B CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1138.38	VERTICAL	33.90	53.18	23.82	3.08	46.18	74.00	-40.10	104	0	Peak
2	1654.16	VERTICAL	35.67	51.56	25.54	3.77	45.20	74.00	-38.33	104	0	Peak
3	3956.30	VERTICAL	41.30	48.11	31.54	5.67	44.02	74.00	-32.70	104	0	Peak
4	7294.30	VERTICAL	46.16	45.20	35.39	8.12	42.55	74.00	-27.84	104	0	Peak
5	8397.04	VERTICAL	47.60	46.26	35.82	8.74	43.22	74.00	-26.40	104	0	Peak
6	11328.18	VERTICAL	51.10	45.34	37.83	10.27	42.34	74.00	-22.90	104	0	Peak

Test Mode: IEEE 802.11g TX

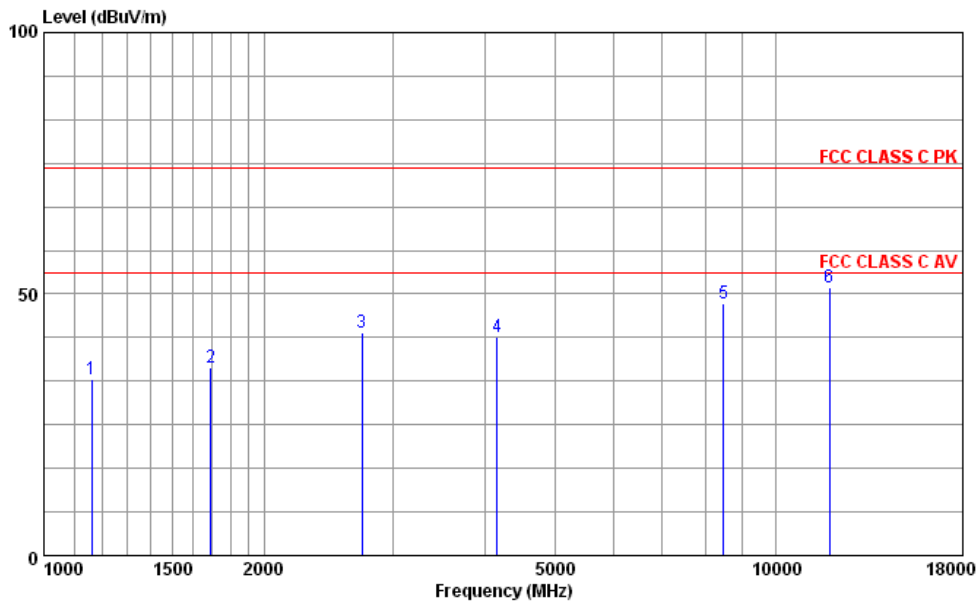
Data: 135



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 eut : MI
 mode : WIFI G CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
				dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1138.38	HORIZONTAL	33.86	53.14	23.82	3.08	46.18	74.00	-40.14	104	0 Peak
2	2069.30	HORIZONTAL	37.11	50.37	27.18	4.30	44.74	74.00	-36.89	104	0 Peak
3	2804.60	HORIZONTAL	43.07	54.46	28.55	4.92	44.86	74.00	-30.93	104	0 Peak
4	4233.06	HORIZONTAL	40.85	46.49	31.55	6.81	44.00	74.00	-33.15	104	0 Peak
5	7906.42	HORIZONTAL	47.10	46.05	35.52	8.33	42.80	74.00	-26.90	104	0 Peak
6	11856.54	HORIZONTAL	51.02	44.18	37.83	10.91	41.90	74.00	-22.98	104	0 Peak

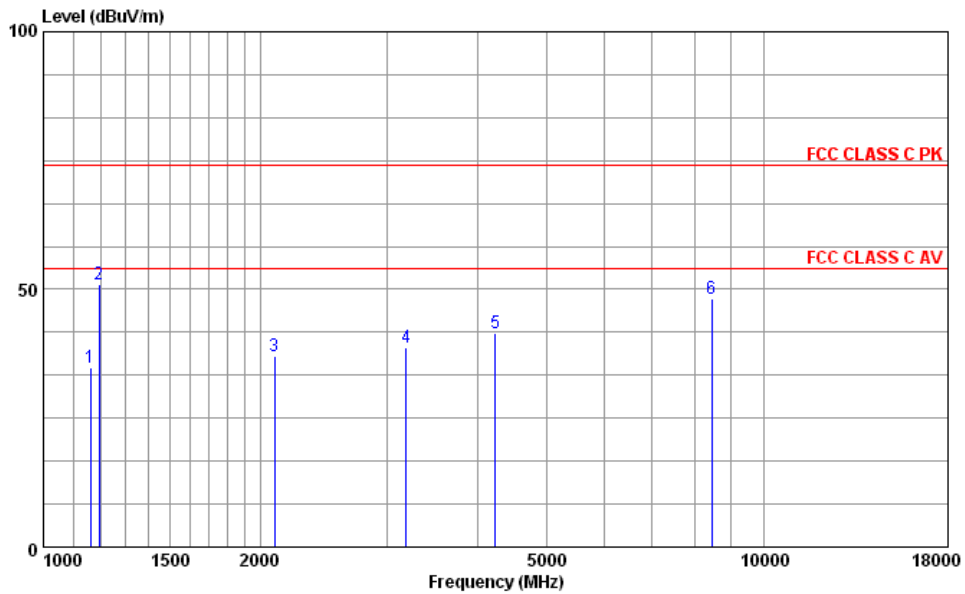
Data: 134



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 eut : MI
 mode : WIFI G CH1
 memo :

	Freq	Pol/Phase	ReadAntenna			Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
			Level	Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1163.54	VERTICAL	33.67	52.74	23.93	3.10	46.10	74.00	-40.33	104	0	Peak
2	1691.90	VERTICAL	35.86	51.45	25.77	3.76	45.12	74.00	-38.14	104	0	Peak
3	2719.34	VERTICAL	42.60	54.39	28.30	4.83	44.92	74.00	-31.40	104	0	Peak
4	4157.58	VERTICAL	41.66	48.03	31.57	6.06	44.00	74.00	-32.34	104	0	Peak
5	8472.52	VERTICAL	48.08	46.77	35.89	8.70	43.28	74.00	-25.92	104	0	Peak
6	11843.96	VERTICAL	51.27	44.46	37.83	10.91	41.93	74.00	-22.73	104	0	Peak

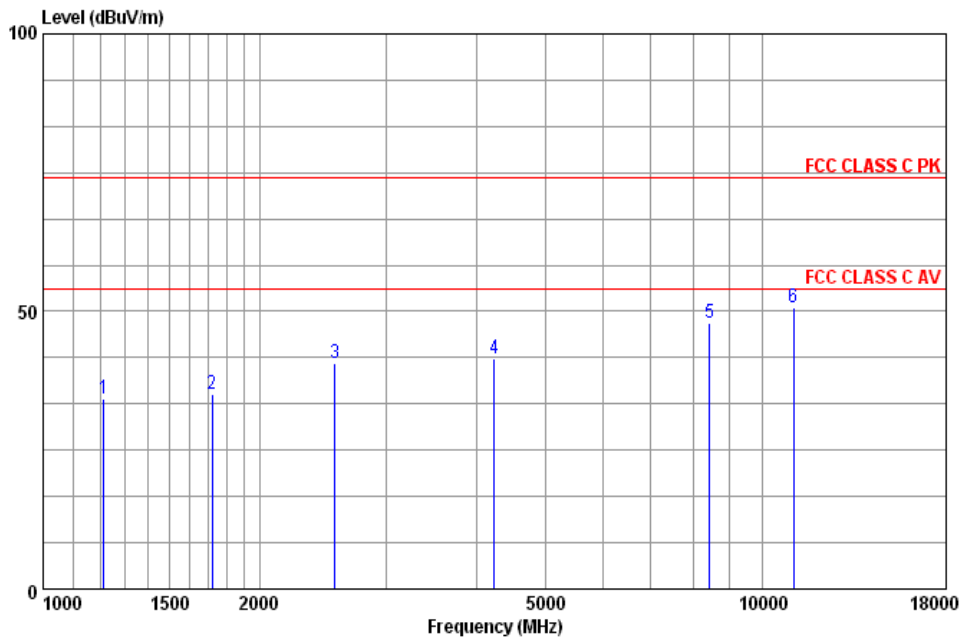
Data: 139



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI G CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
				dBuV	dB/m	dB	dB	dB			
1	1163.54	HORIZONTAL	34.82	53.89	23.93	3.10	46.10	74.00	-39.18	104	0 Peak
2	1194.46	HORIZONTAL	51.07	69.98	23.98	3.12	46.01	74.00	-22.93	104	0 Peak
3	2094.46	HORIZONTAL	37.14	50.35	27.20	4.34	44.75	74.00	-36.86	104	0 Peak
4	3188.92	HORIZONTAL	38.70	48.57	29.72	5.05	44.64	74.00	-35.30	104	0 Peak
5	4233.06	HORIZONTAL	41.51	47.15	31.55	6.81	44.00	74.00	-32.49	104	0 Peak
6	8459.94	HORIZONTAL	48.06	46.73	35.87	8.74	43.28	74.00	-25.94	104	0 Peak

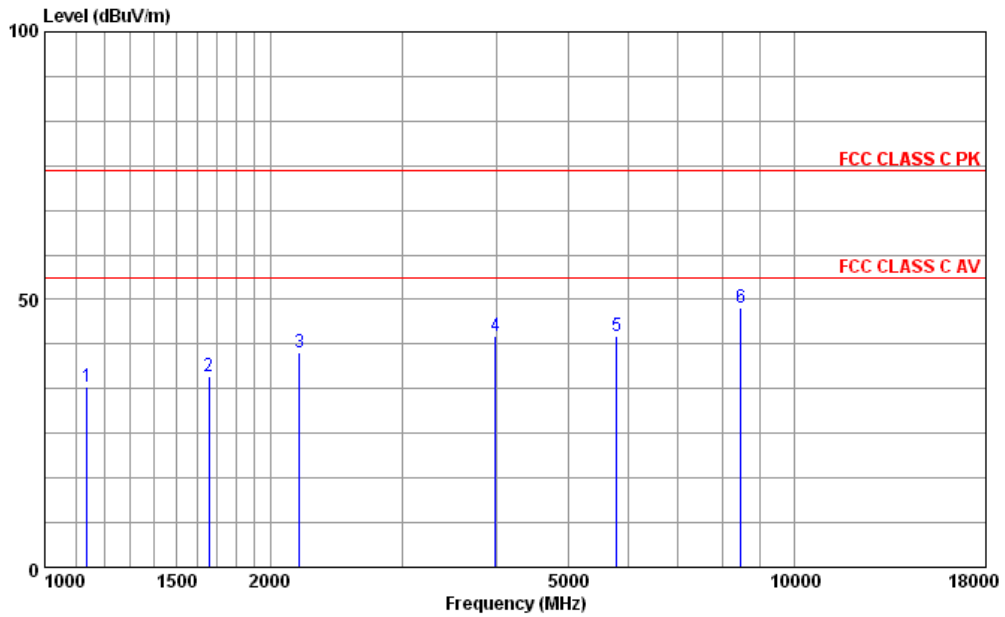
Data: 138



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI G CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable Preamp		Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor	Loss	Factor					
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1213.86	VERTICAL	34.15	52.88	24.09	3.14	45.96	74.00	-39.85	104	0	Peak
2	1717.06	VERTICAL	35.18	50.65	25.84	3.76	45.07	74.00	-38.82	104	0	Peak
3	2546.00	VERTICAL	40.61	53.14	27.83	4.66	45.02	74.00	-33.39	104	0	Peak
4	4233.06	VERTICAL	41.48	47.12	31.55	6.81	44.00	74.00	-32.52	104	0	Peak
5	8447.36	VERTICAL	47.78	46.41	35.86	8.77	43.26	74.00	-26.22	104	0	Peak
6	11051.42	VERTICAL	50.79	44.90	37.72	10.75	42.58	74.00	-23.21	104	0	Peak

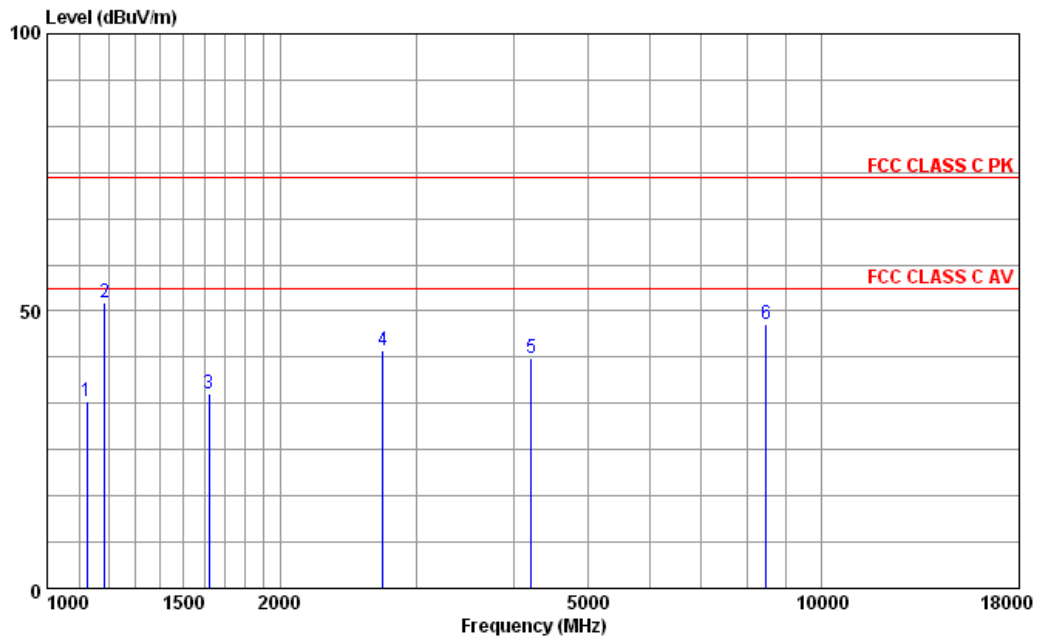
Data: 137



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 eat : MI
 mode : WIFI G CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				dBuV	dB/m	dB	dB	dB			
1	1138.38	VERTICAL	33.61	52.89	23.82	3.08	46.18	74.00	-40.39	104	0 Peak
2	1654.16	VERTICAL	35.76	51.65	25.54	3.77	45.20	74.00	-38.24	104	0 Peak
3	2186.10	VERTICAL	40.06	53.12	27.32	4.41	44.79	74.00	-33.94	104	0 Peak
4	3994.04	VERTICAL	43.27	49.87	31.60	5.80	44.00	74.00	-30.73	104	0 Peak
5	5792.98	VERTICAL	43.18	45.62	33.79	7.31	43.54	74.00	-30.82	104	0 Peak
6	8472.52	VERTICAL	48.34	47.03	35.89	8.70	43.28	74.00	-25.66	104	0 Peak

Data: 136

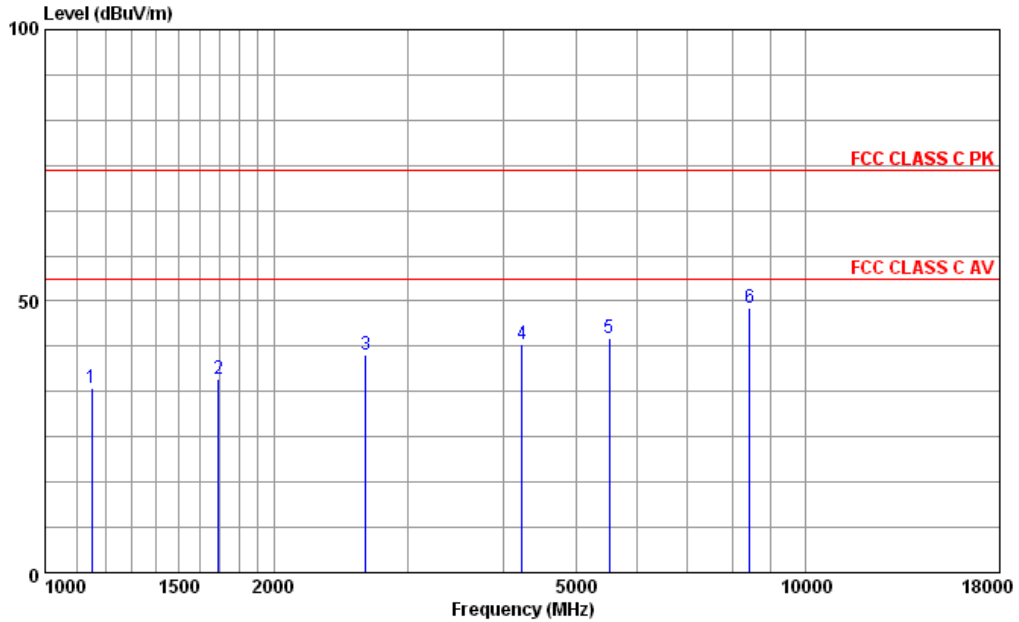


Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode : WIFI G-CH11
memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
				dBuV	dB/m	dB	dB	dBuV/m			
1	1125.80	HORIZONTAL	33.73	53.12	23.76	3.07	46.22	74.00	-40.27	104	0 Peak
2	1185.65	HORIZONTAL	51.40	70.34	23.98	3.12	46.04	74.00	-22.60	104	0 Peak
3	1616.42	HORIZONTAL	35.08	51.40	25.39	3.56	45.27	74.00	-38.92	104	0 Peak
4	2713.05	HORIZONTAL	42.94	54.73	28.30	4.83	44.92	74.00	-31.06	104	0 Peak
5	4220.48	HORIZONTAL	41.38	47.15	31.56	6.67	44.00	74.00	-32.62	104	0 Peak
6	8472.50	HORIZONTAL	47.56	46.25	35.89	8.70	43.28	74.00	-26.44	104	0 Peak

Test Mode: IEEE 802.11n HT20TX

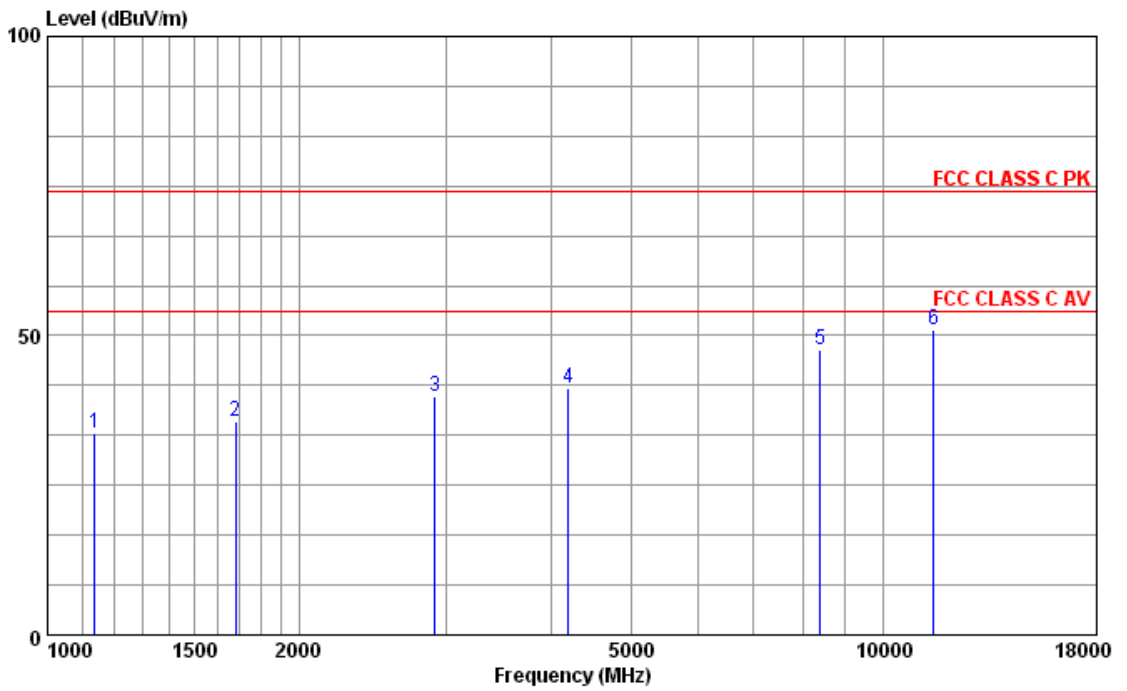
Data: 144



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
ent : MI
mode : WIFI 20N CH11
memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				Factor	Factor						
				dB/m	dB	dB	dBuV/m	dB			
1	1150.96	HORIZONTAL	34.09	53.26	23.87	3.10	46.14	74.00	-39.91	104	0 Peak
2	1691.90	HORIZONTAL	35.55	51.14	25.77	3.76	45.12	74.00	-38.45	104	0 Peak
3	2637.00	HORIZONTAL	40.08	52.35	28.06	4.65	44.98	74.00	-33.92	104	0 Peak
4	4233.06	HORIZONTAL	42.09	47.73	31.55	6.81	44.00	74.00	-31.91	104	0 Peak
5	5516.22	HORIZONTAL	43.15	46.03	33.52	6.91	43.31	74.00	-30.85	104	0 Peak
6	8434.78	HORIZONTAL	48.63	47.27	35.85	8.77	43.26	74.00	-25.37	104	0 Peak

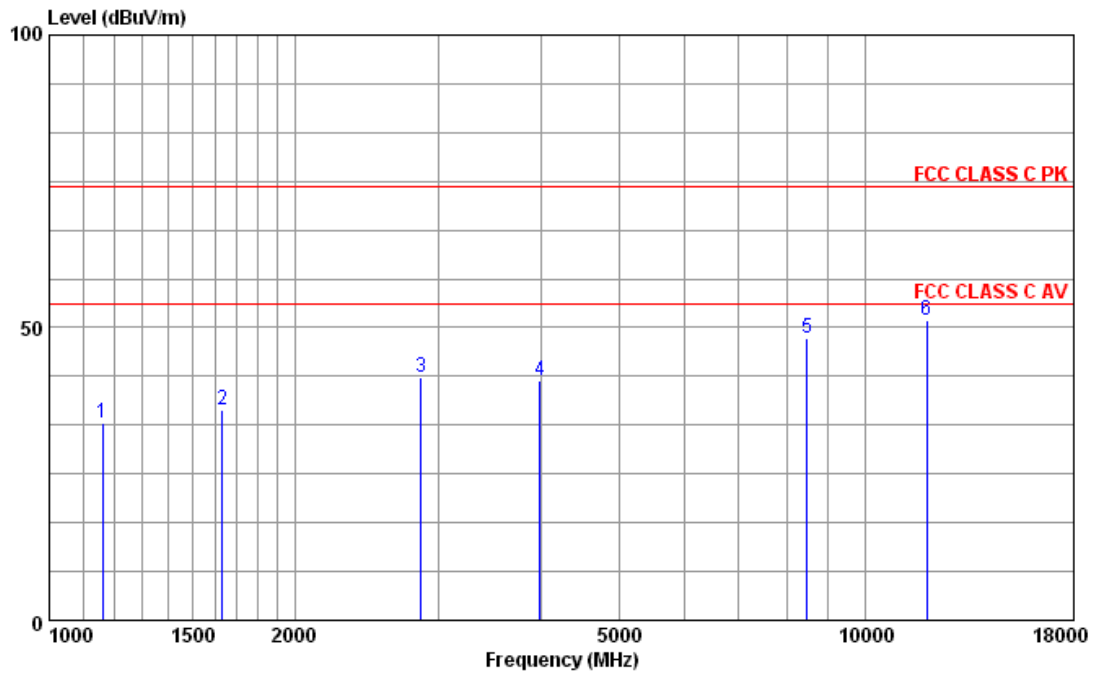
Data: 143



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 eut : MI
 mode : WIFI 20N CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
				dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1138.38	HORIZONTAL	33.73	53.01	23.82	3.08	46.18	74.00	-40.27	104	0 Peak
2	1679.32	HORIZONTAL	35.77	51.46	25.69	3.76	45.14	74.00	-38.23	104	0 Peak
3	2904.60	HORIZONTAL	39.87	50.95	28.83	4.89	44.80	74.00	-34.13	104	0 Peak
4	4195.32	HORIZONTAL	41.35	47.40	31.56	6.39	44.00	74.00	-32.65	104	0 Peak
5	8409.62	HORIZONTAL	47.71	46.32	35.84	8.79	43.24	74.00	-26.29	104	0 Peak
6	11491.72	HORIZONTAL	50.93	44.50	37.89	10.74	42.20	74.00	-23.07	104	0 Peak

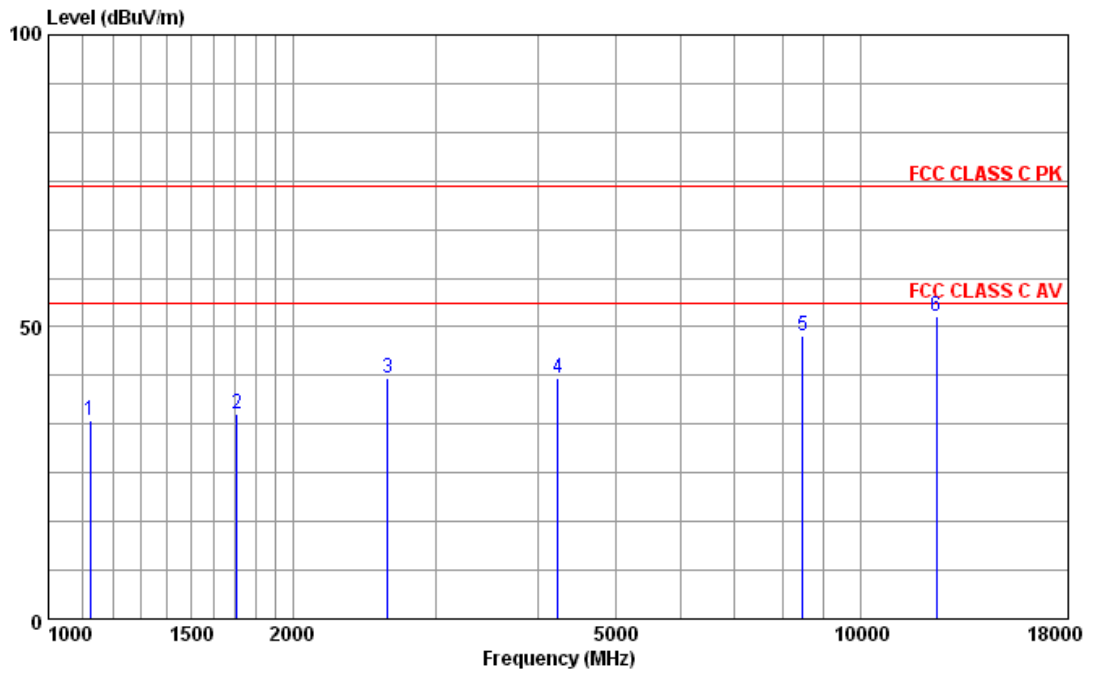
Data: 142



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
out : MI
mode : WIFI 20N CH6
memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
				dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1163.54	VERTICAL	33.80	52.87	23.93	3.10	46.10	74.00	-40.20	104	0 Peak
2	1629.00	VERTICAL	35.95	52.15	25.47	3.58	45.25	74.00	-38.05	104	0 Peak
3	2854.30	VERTICAL	41.58	52.78	28.69	4.94	44.83	74.00	-32.42	104	0 Peak
4	3994.04	VERTICAL	41.02	47.62	31.60	5.80	44.00	74.00	-32.98	104	0 Peak
5	8472.52	VERTICAL	48.14	46.83	35.89	8.70	43.28	74.00	-25.86	104	0 Peak
6	11881.70	VERTICAL	51.37	44.79	37.82	10.66	41.90	74.00	-22.63	104	0 Peak

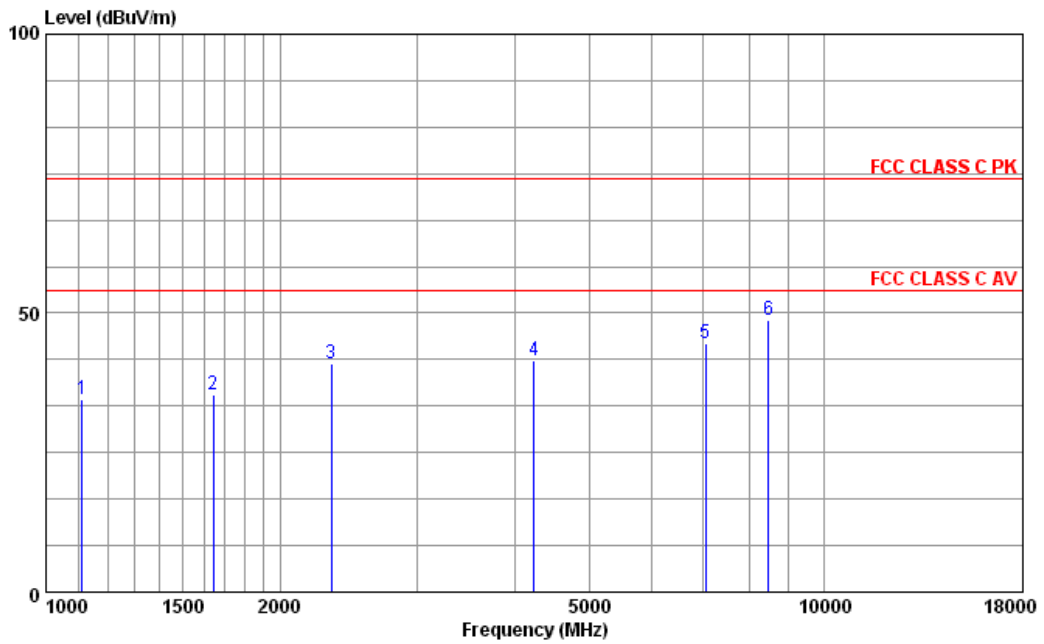
Data: 141



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI 20N CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
				Factor	Factor	Factor	Factor	Factor			
1	1125.80	VERTICAL	33.86	53.25	23.76	3.07	46.22	74.00	-40.14	104	0 Peak
2	1704.48	VERTICAL	35.05	50.61	25.77	3.76	45.09	74.00	-38.95	104	0 Peak
3	2617.04	VERTICAL	41.20	53.51	28.01	4.67	44.99	74.00	-32.80	104	0 Peak
4	4233.06	VERTICAL	41.27	46.91	31.55	6.81	44.00	74.00	-32.73	104	0 Peak
5	8472.52	VERTICAL	48.51	47.20	35.89	8.70	43.28	74.00	-25.49	104	0 Peak
6	12397.48	VERTICAL	51.83	45.27	38.04	10.67	42.15	74.00	-22.17	104	0 Peak

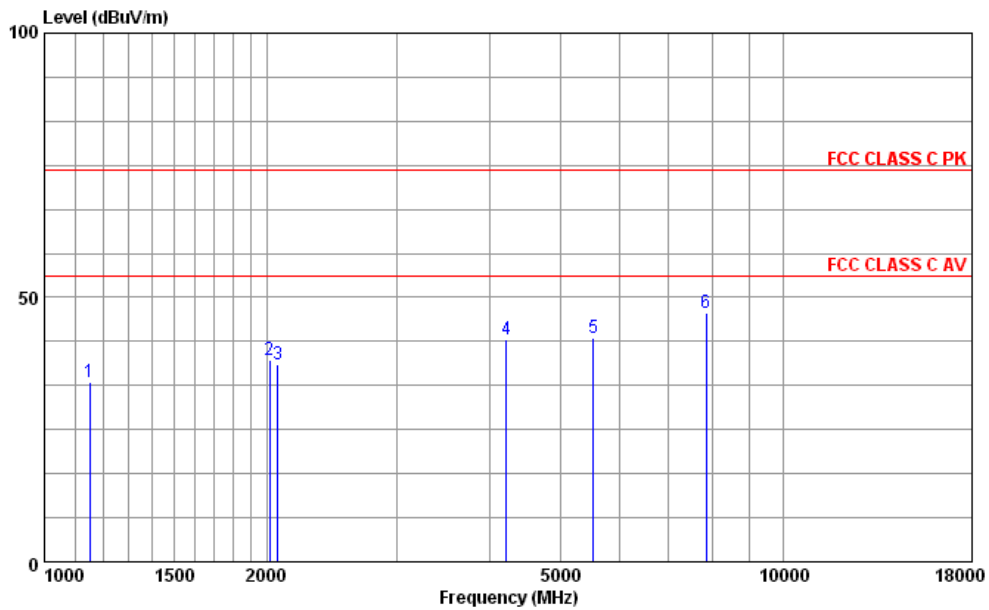
Data: 140



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI 20N CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				dBuV	dB/m		dB	dB			
1	1113.22	HORIZONTAL	34.48	53.92	23.76	3.06	46.26	74.00	-39.52	104	0 Peak
2	1641.58	HORIZONTAL	35.34	51.35	25.54	3.67	45.22	74.00	-38.66	104	0 Peak
3	2324.30	HORIZONTAL	40.86	54.11	27.49	4.28	45.02	74.00	-33.14	104	0 Peak
4	4233.06	HORIZONTAL	41.38	47.02	31.55	6.81	44.00	74.00	-32.62	104	0 Peak
5	7038.40	HORIZONTAL	44.47	44.01	35.13	8.10	42.77	74.00	-29.53	104	0 Peak
6	8472.52	HORIZONTAL	48.69	47.38	35.89	8.70	43.28	74.00	-25.31	104	0 Peak

Data: 145

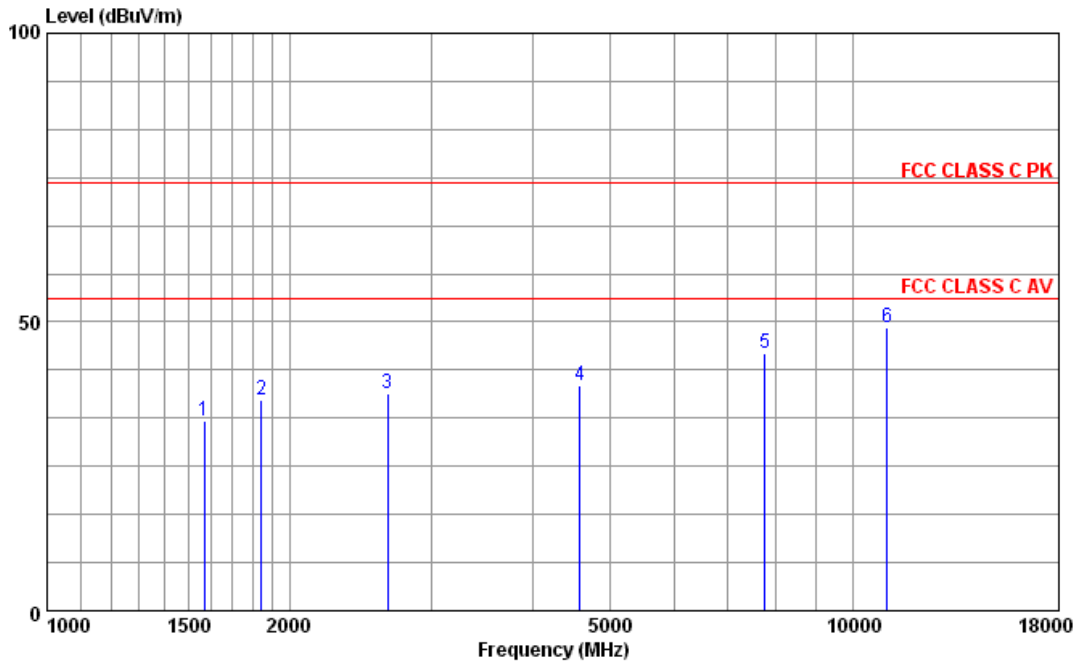


Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode : WIFI 20N CH11
memo :

	Freq	Pol/Phase	Level	ReadAntenna		Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
				Level	Factor							
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1150.96	VERTICAL	33.94	53.11	23.87	3.10	46.14	74.00	-40.06	104	0	Peak
2	2019.40	VERTICAL	38.16	51.50	27.12	4.25	44.71	74.00	-35.84	104	0	Peak
3	2069.30	VERTICAL	37.24	50.50	27.18	4.30	44.74	74.00	-36.76	104	0	Peak
4	4220.48	VERTICAL	42.20	47.97	31.56	6.67	44.00	74.00	-31.80	104	0	Peak
5	5528.80	VERTICAL	42.29	45.17	33.52	6.93	43.33	74.00	-31.71	104	0	Peak
6	7856.10	VERTICAL	47.12	46.11	35.53	8.24	42.76	74.00	-26.88	104	0	Peak

Test Mode: IEEE 802.11n HT40TX

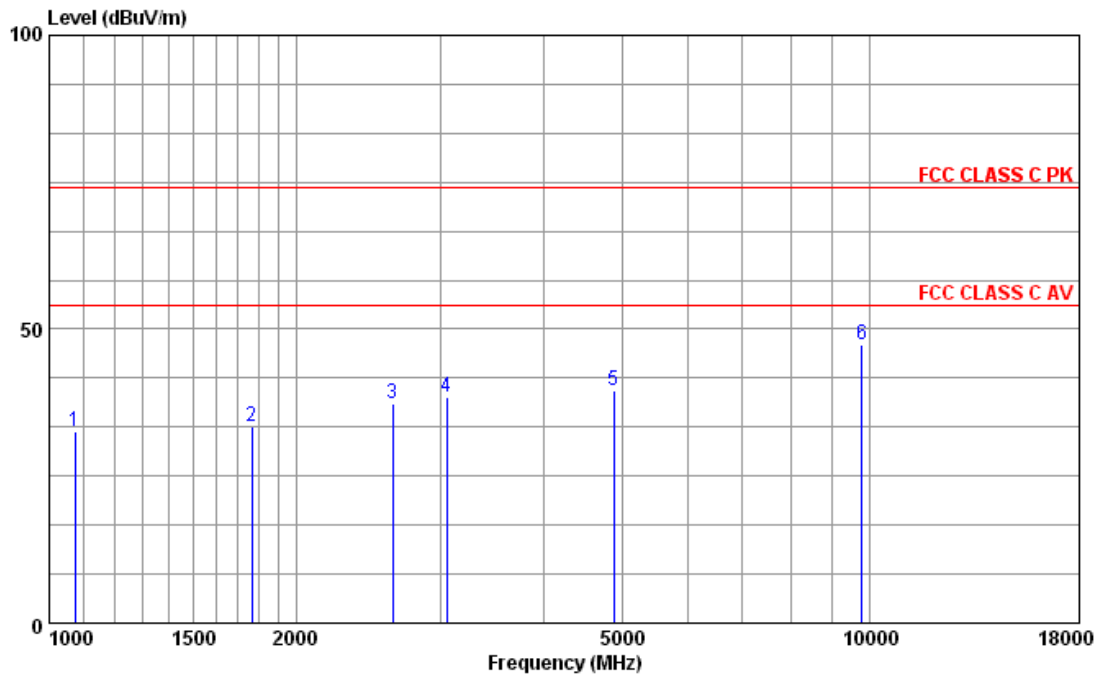
Data: 190



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HP906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI 40N CH1
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
1	1566.10	VERTICAL	32.82	49.47	25.18	3.51	45.34	74.00	-41.18	104	0 Peak
2	1843.40	VERTICAL	36.47	50.95	26.46	3.87	44.81	74.00	-37.53	104	0 Peak
3	2647.98	VERTICAL	37.67	49.89	28.11	4.64	44.97	74.00	-36.33	104	0 Peak
4	4585.30	VERTICAL	39.03	45.33	31.71	5.94	43.95	74.00	-34.97	104	0 Peak
5	7780.62	VERTICAL	44.45	42.56	35.54	9.04	42.69	74.00	-29.55	104	0 Peak
6	11026.26	VERTICAL	49.05	43.19	37.71	10.75	42.60	74.00	-24.95	104	0 Peak

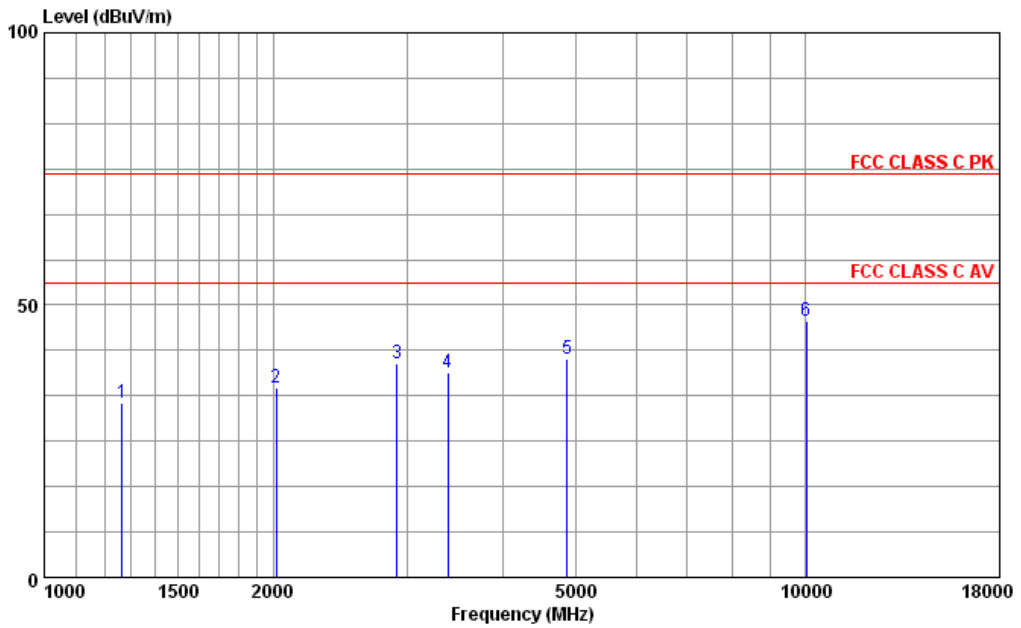
Data: 189



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 eut : MI
 mode : WIFI 40N CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				dBuV	dB	dB	dBuV/m	dB			
1	1075.56	VERTICAL	32.63	52.33	23.60	2.96	46.26	74.00	-41.37	104	0 Peak
2	1767.38	VERTICAL	33.38	48.53	26.08	3.74	44.97	74.00	-40.62	104	0 Peak
3	2619.40	VERTICAL	37.46	49.77	28.01	4.67	44.99	74.00	-36.54	104	0 Peak
4	3050.54	VERTICAL	38.42	49.46	29.26	4.53	44.83	74.00	-35.58	104	0 Peak
5	4876.64	VERTICAL	39.47	44.31	32.43	6.50	43.77	74.00	-34.53	104	0 Peak
6	9780.84	VERTICAL	47.38	44.07	37.06	9.85	43.60	74.00	-26.62	104	0 Peak

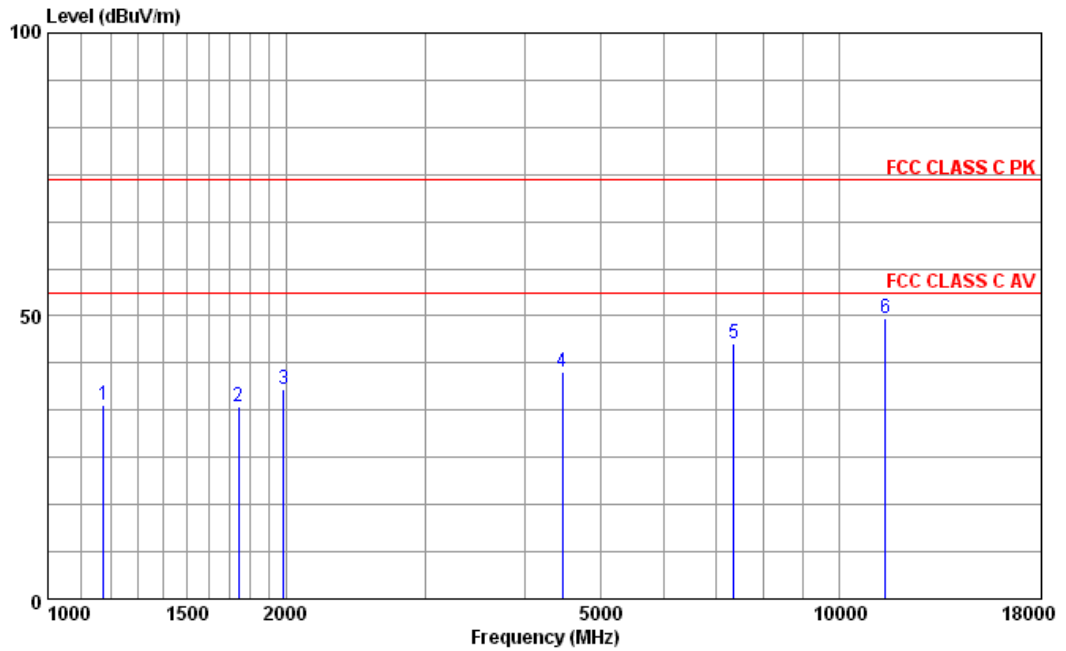
Data: 188



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI 40N CH6
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Factor	Line	Limit	cm	deg
1	1264.18	HORIZONTAL	31.95	50.11	24.26	3.39	45.81	74.00	-42.05	104	0 Peak
2	2018.94	HORIZONTAL	34.84	48.18	27.12	4.25	44.71	74.00	-39.16	104	0 Peak
3	2904.60	HORIZONTAL	39.16	50.24	28.83	4.89	44.80	74.00	-34.84	104	0 Peak
4	3391.03	HORIZONTAL	37.74	45.79	30.39	5.89	44.33	74.00	-36.26	104	0 Peak
5	4862.06	HORIZONTAL	40.03	44.86	32.39	6.56	43.78	74.00	-33.97	104	0 Peak
6	10031.26	HORIZONTAL	47.16	42.98	37.10	10.65	43.57	74.00	-26.84	104	0 Peak

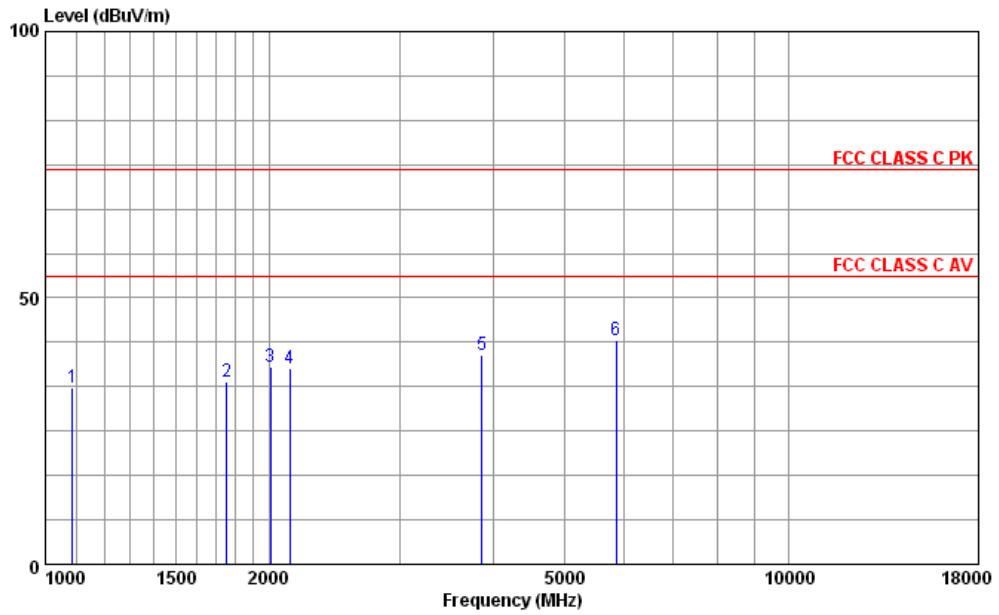
Data: 187



Site : 966 CHAMBER
 Condition: FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 out : MI
 mode : WIFI 40N CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Loss	Factor	Line	Limit	cm	deg	
				Factor							
				dBuV							
					dB/m						
						dB					
							dB				
1	1176.12	HORIZONTAL	34.16	53.19	23.93	3.11	46.07	74.00	-39.84	104	0 Peak
2	1742.22	HORIZONTAL	34.12	49.39	26.00	3.75	45.02	74.00	-39.88	104	0 Peak
3	1984.47	HORIZONTAL	37.16	50.61	27.03	4.22	44.70	74.00	-36.84	104	0 Peak
4	4472.06	HORIZONTAL	40.16	46.51	31.51	6.14	44.00	74.00	-33.84	104	0 Peak
5	7356.43	HORIZONTAL	45.01	44.07	35.46	7.98	42.50	74.00	-28.99	104	0 Peak
6	11441.40	HORIZONTAL	49.61	43.37	37.87	10.63	42.26	74.00	-24.39	104	0 Peak

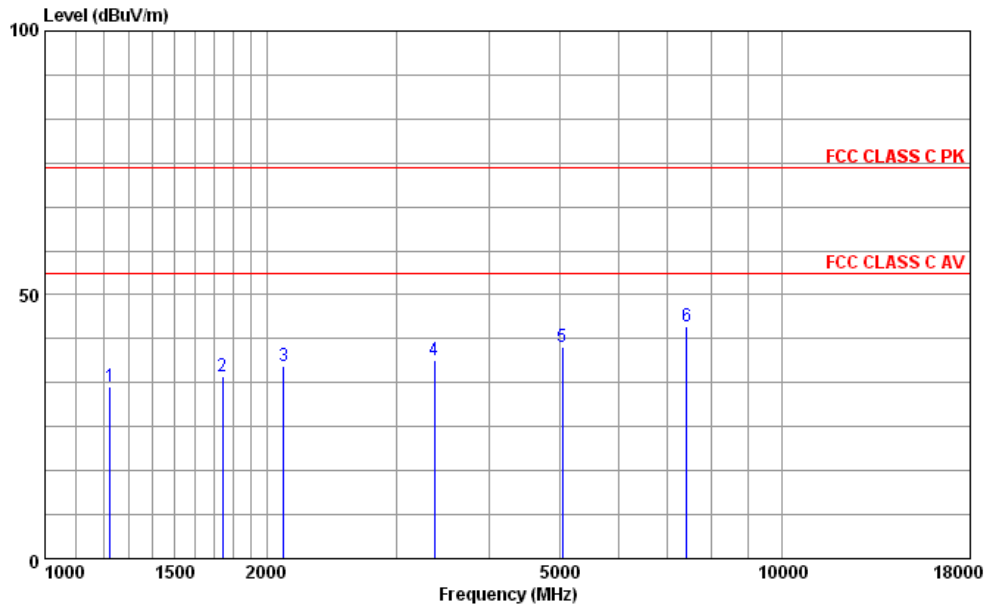
Data: 186



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VEW:1000.000KHz SWT:Auto
 eut : MI
 mode : WIFI 40N CH11
 memo :

	Freq	Pol/Phase	Level	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	A/Pos	T/Pos	Remark
	MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB	cm	deg	
1	1088.06	VERTICAL	33.12	52.73	23.66	3.01	46.28	74.00	-40.88	104	0	Peak
2	1754.80	VERTICAL	34.35	49.59	26.00	3.75	44.99	74.00	-39.65	104	0	Peak
3	2008.40	VERTICAL	37.04	50.41	27.10	4.24	44.71	74.00	-36.96	104	0	Peak
4	2132.20	VERTICAL	36.89	50.01	27.25	4.40	44.77	74.00	-37.11	104	0	Peak
5	3868.24	VERTICAL	39.17	46.29	31.38	5.55	44.05	74.00	-34.83	104	0	Peak
6	5854.16	VERTICAL	42.06	44.62	33.86	7.18	43.60	74.00	-31.94	104	0	Peak

Data: 191



Site : 966 CHAMBER
 Condition : FCC CLASS C PK 3m HF906
 : RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
 eut : MI
 mode : WIFI 40N CH1
 memo :

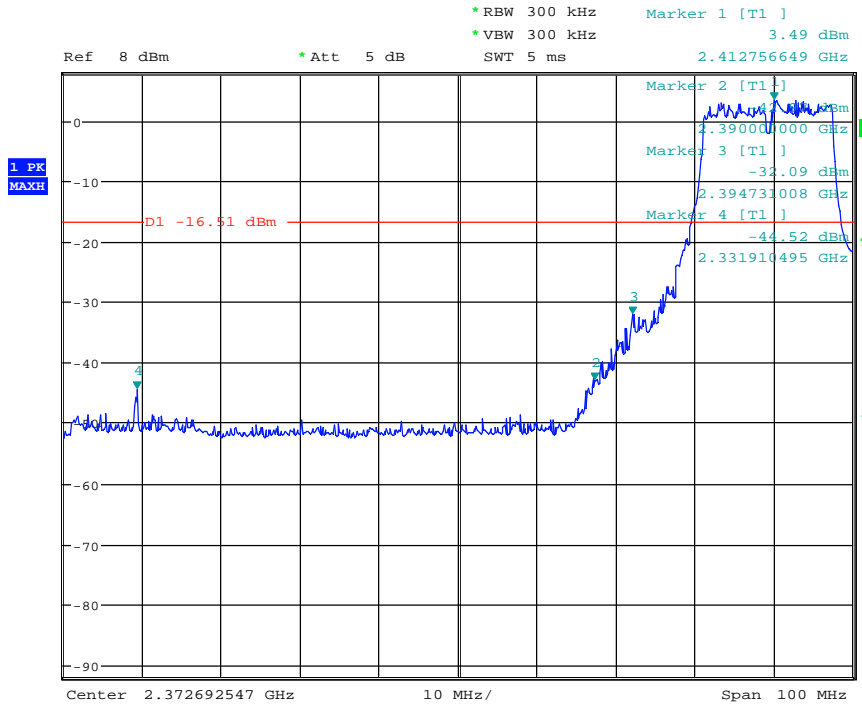
	Freq	Pol/Phase	Level	ReadAntenna	Cable	Preamp	Limit	Over	A/Pos	T/Pos	Remark
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	cm	deg	
				dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1226.44	HORIZONTAL	32.68	51.27	24.09	3.24	45.92	74.00	-41.32	104	0 Peak
2	1742.22	HORIZONTAL	34.48	49.75	26.00	3.75	45.02	74.00	-39.52	104	0 Peak
3	2108.40	HORIZONTAL	36.47	49.63	27.22	4.38	44.76	74.00	-37.53	104	0 Peak
4	3377.62	HORIZONTAL	37.61	45.65	30.34	5.98	44.36	74.00	-36.39	104	0 Peak
5	5038.18	HORIZONTAL	40.13	44.34	32.78	6.68	43.67	74.00	-33.87	104	0 Peak
6	7415.80	HORIZONTAL	43.95	43.02	35.51	7.88	42.46	74.00	-30.05	104	0 Peak

4.6 Band Edge Measurements(Conducted)

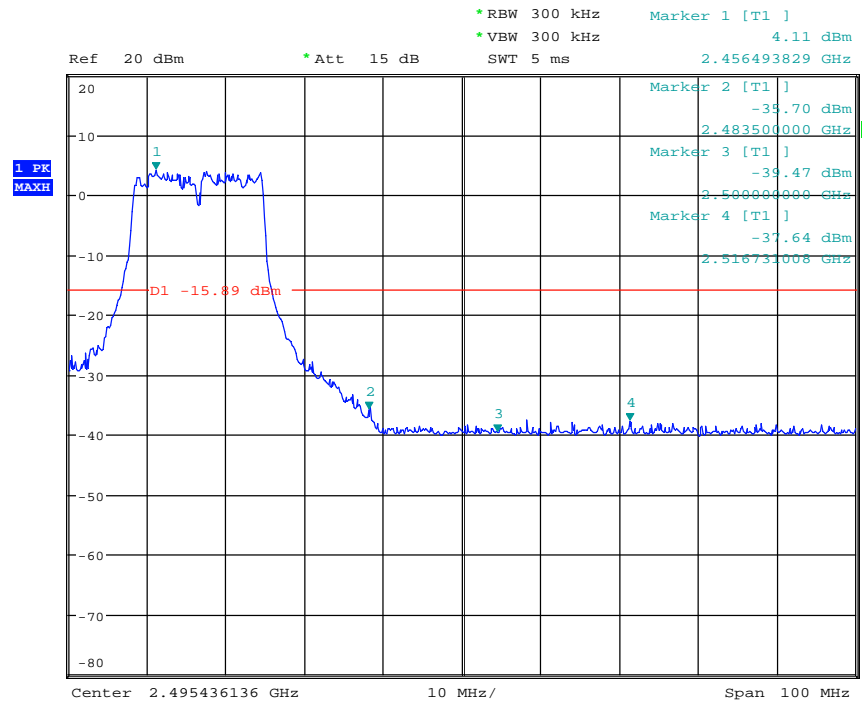
Conducted band edge measurements at 2390MHz and 2483MHz were made with the unit transmitting in the low end of the channel range and the high end closest to the restricted bands respectively. The emissions were made on the shielding room and the table lists the corrected levels of the emissions at the band edge for comparison to the limit. Table 10 shows the band edge emissions.

Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz

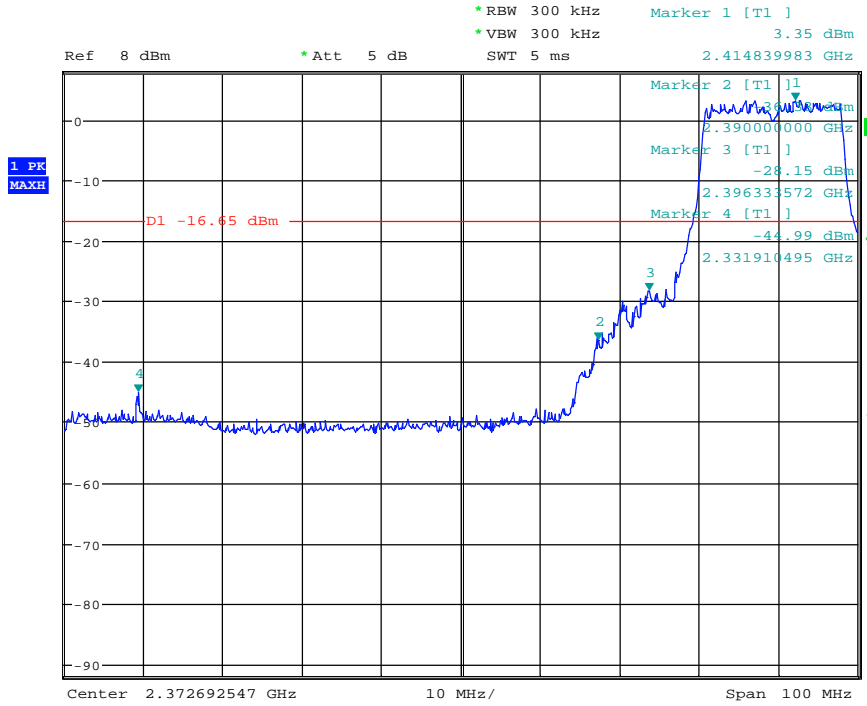


Test CH11: 2462MHz

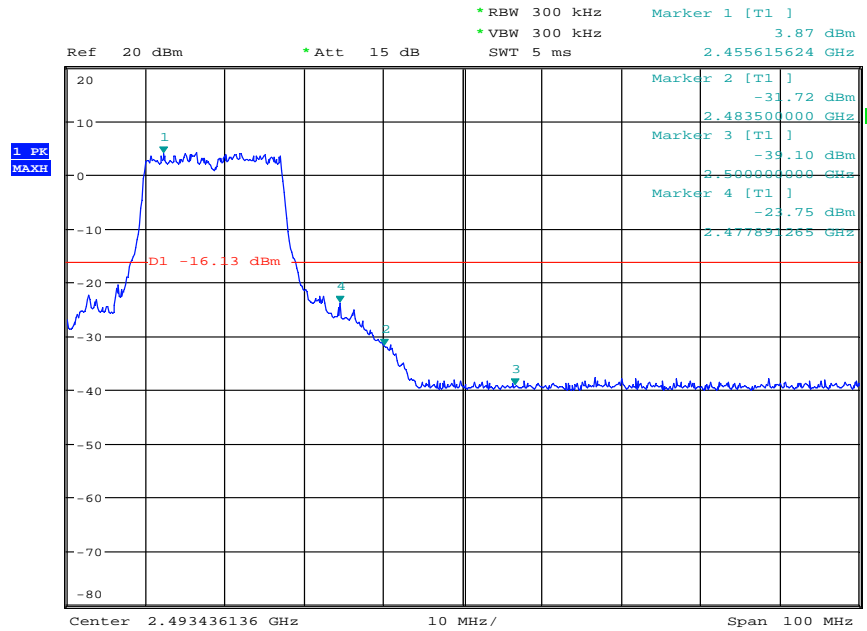


Test Mode: IEEE 802.11n HT20 TX

Test CH1: 2412MHz

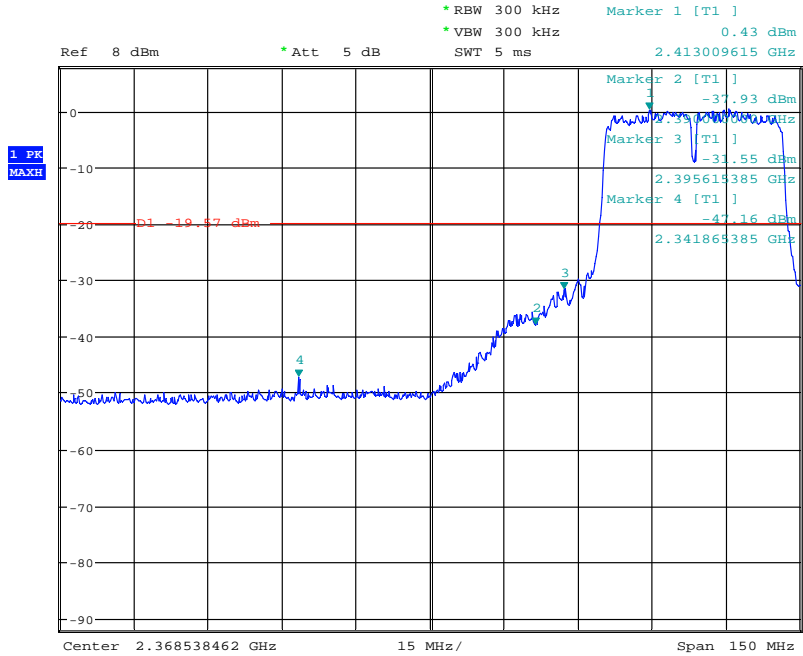


Test CH11: 2462MHz

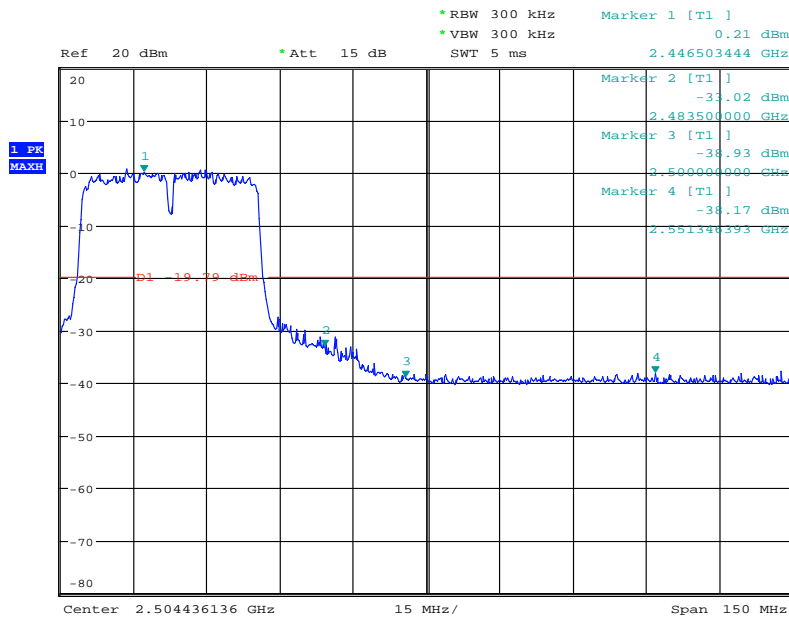


Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH7: 2452MHz

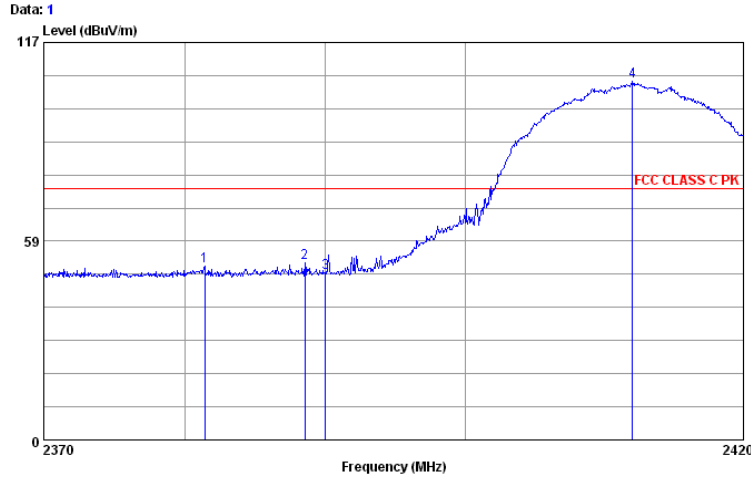


4.7 Band Edge Measurements (Radiated)

Radiated band edge measurements at 2390MHz and 2483MHz were made with the unit transmitting in the low end of the channel range and the high end closest to the restricted bands respectively. The emissions were made on the 966 Semi-Chamber. Use (resolution bandwidth (RBW) = 1 MHz, video bandwidth (VBW) = 1 MHz for peak levels and RBW = 1 MHz and VBW = 10 Hz for average levels). Table 11 shows the band edge emissions.

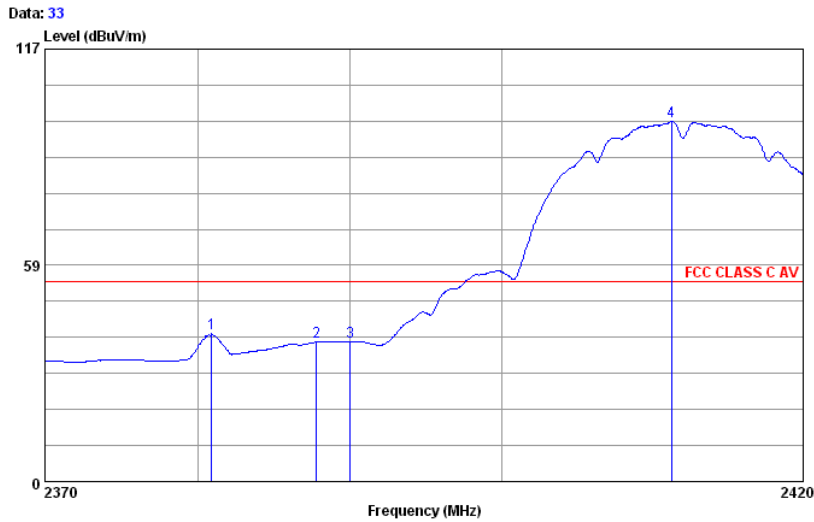
Table 11 Band Edge Measurements (Radiated)

Test Mode: IEEE 802.11b TX Test CH1: 2412MHz



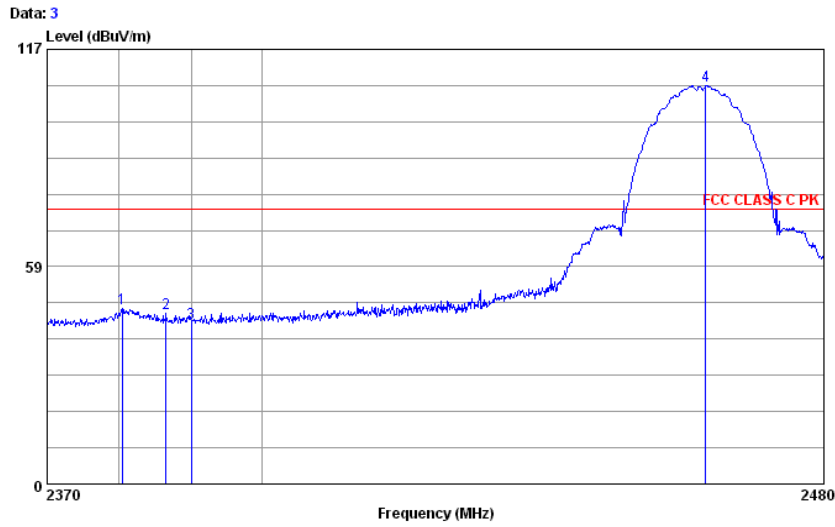
Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : B CH1PK

	Level	ReadAntenna	Preamp	Cable	Limit	Over		
Freq	Pol/Phase	Level	Level	Factor	Factor	Loss	Line	
MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	
1	2381.40 VERTICAL	51.17	57.34	27.55	40.39	6.67	74.00	-22.83 Peak
2	2388.54 VERTICAL	52.07	58.20	27.58	40.40	6.69	74.00	-21.93 Peak
3	2390.00 VERTICAL	49.07	55.20	27.58	40.40	6.69	74.00	-24.93 Peak
4	2412.00 VERTICAL	105.48	111.52	27.60	40.37	6.73	74.00	31.48 Peak



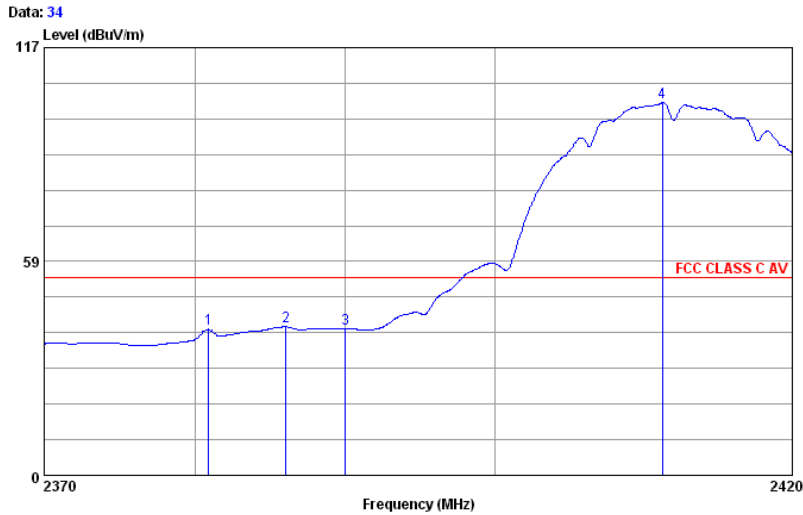
Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : B CH1 AV

	Level	ReadAntenna	Preamp	Cable	Limit	Over		
Freq	Pol/Phase	Level	Level	Factor	Factor	Loss	Line	
MHz		dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	
1	2380.90 VERTICAL	40.00	46.17	27.55	40.39	6.67	54.00	-14.00 Average
2	2387.80 VERTICAL	37.70	43.83	27.58	40.40	6.69	54.00	-16.30 Average
3	2390.00 VERTICAL	37.77	43.90	27.58	40.40	6.69	54.00	-16.23 Average
4	2411.25 VERTICAL	97.39	103.43	27.60	40.37	6.73	54.00	43.39 Average



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : B CH1 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Line	Limit	Remark
			dBuV/m	dBuV	dB/m	dB	dBuV/m	dB	
1	2380.45	HORIZONTAL	47.29	53.46	27.55	40.39	6.67	74.00	-26.71 Peak
2	2386.50	HORIZONTAL	45.79	51.92	27.58	40.40	6.69	74.00	-28.21 Peak
3	2390.02	HORIZONTAL	43.29	49.42	27.58	40.40	6.69	74.00	-30.71 Peak
4	2462.95	HORIZONTAL	107.20	112.59	27.66	39.88	6.83	74.00	33.20 Peak

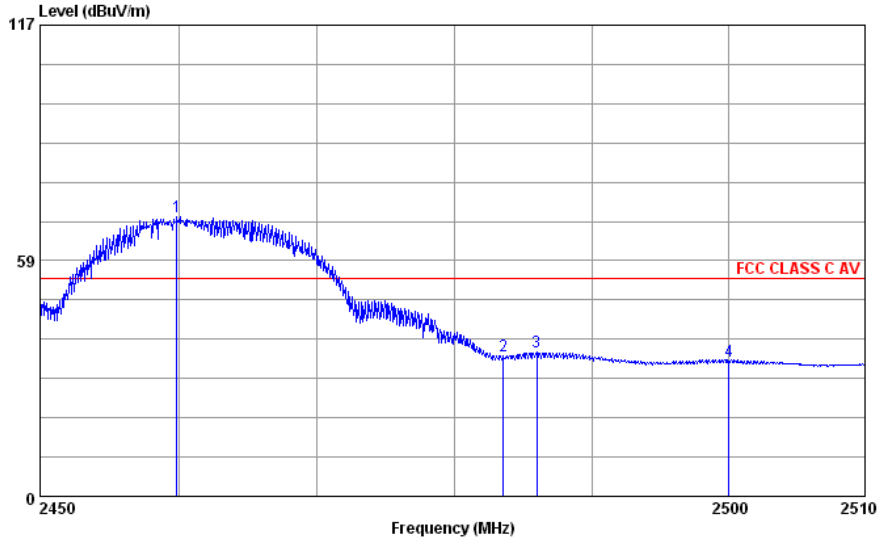


Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : B CH1 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Line	Limit	Remark
			dBuV/m	dBuV	dB/m	dB	dBuV/m	dB	
1	2380.90	HORIZONTAL	39.96	46.13	27.55	40.39	6.67	54.00	-14.04 Average
2	2386.05	HORIZONTAL	40.62	46.76	27.58	40.39	6.67	54.00	-13.38 Average
3	2390.00	HORIZONTAL	40.05	46.18	27.58	40.40	6.69	54.00	-13.95 Average
4	2411.25	HORIZONTAL	101.95	107.99	27.60	40.37	6.73	54.00	47.95 Average

Test CH11: 2462MHz

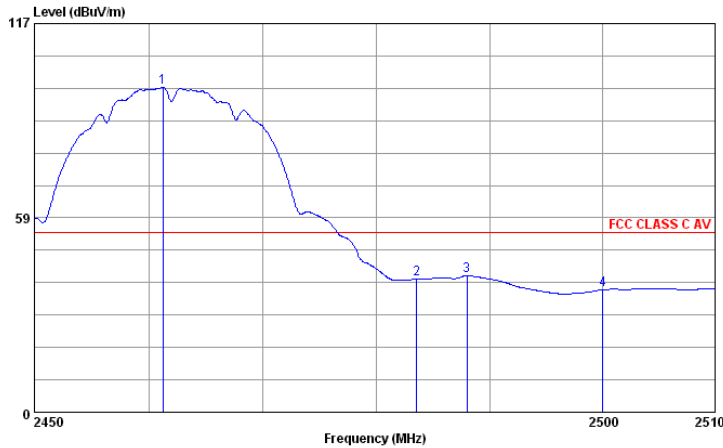
Data: 31



Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : B CH11 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2459.84	VERTICAL	69.35	74.74	27.66	39.88	6.83	54.00	15.35 Average
2	2483.50	VERTICAL	34.74	39.86	27.68	39.67	6.87	54.00	-19.26 Average
3	2485.94	VERTICAL	35.69	40.81	27.68	39.67	6.87	54.00	-18.31 Average
4	2500.00	VERTICAL	33.66	38.61	27.70	39.55	6.90	54.00	-20.34 Average

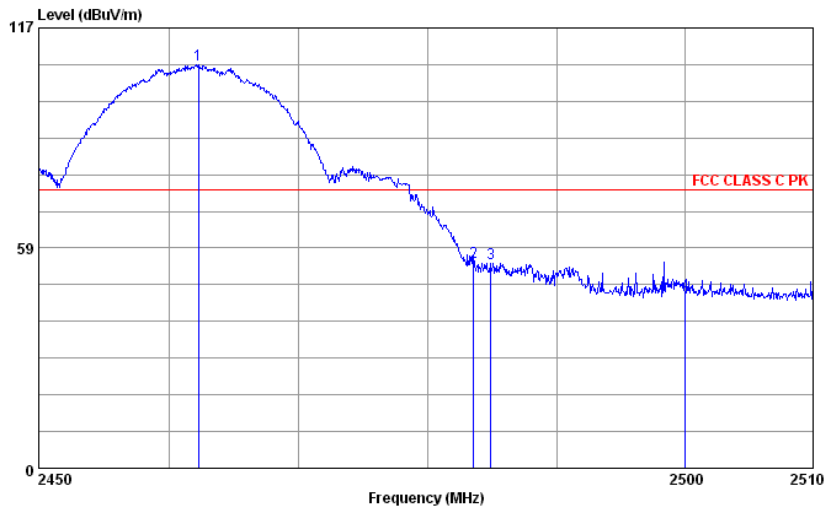
Data: 36



Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : B CH11 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2461.22	VERTICAL	97.84	103.23	27.66	39.88	6.83	54.00	43.84 Average
2	2483.50	VERTICAL	40.06	45.18	27.68	39.67	6.87	54.00	-13.94 Average
3	2487.98	VERTICAL	41.00	46.10	27.70	39.67	6.87	54.00	-13.00 Average
4	2500.00	VERTICAL	36.84	41.79	27.70	39.55	6.90	54.00	-17.16 Average

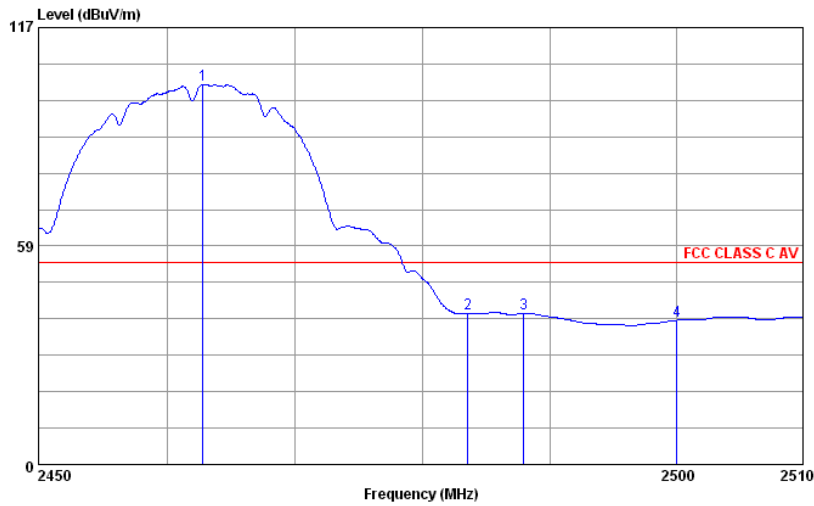
Data: 29



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : B CH11 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2462.24	HORIZONTAL	107.26	112.65	27.66	39.88	6.83	74.00	33.26 Peak
2	2483.50	HORIZONTAL	54.62	59.74	27.68	39.67	6.87	74.00	-19.38 Peak
3	2484.86	HORIZONTAL	54.51	59.63	27.68	39.67	6.87	74.00	-19.49 Peak
4	2500.00	HORIZONTAL	46.44	51.39	27.70	39.55	6.90	74.00	-27.56 Peak

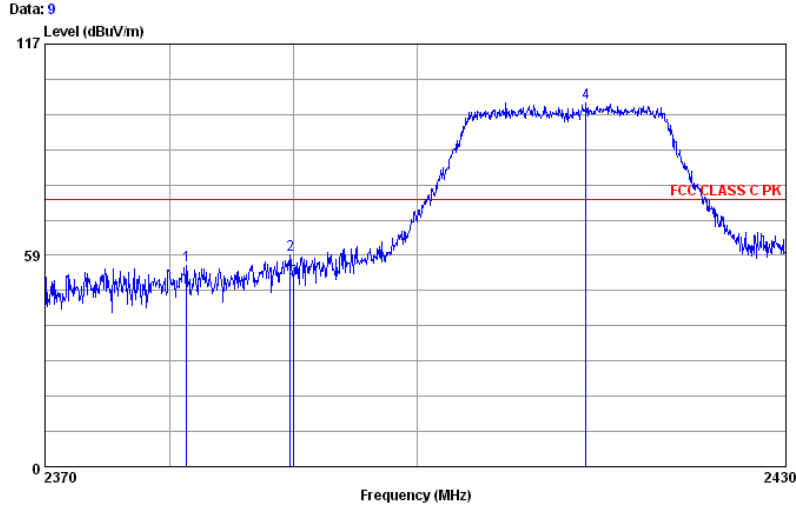
Data: 35



Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : B CH11 AV

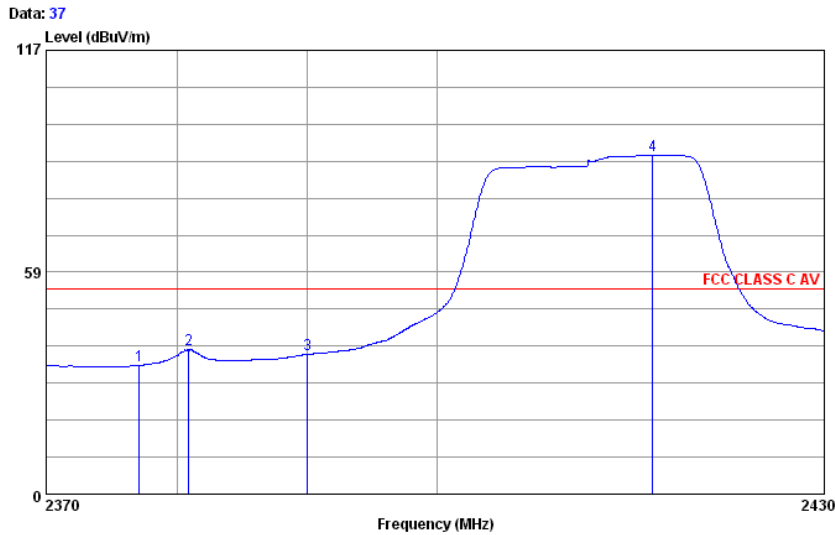
	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2462.78	HORIZONTAL	101.74	107.13	27.66	39.88	6.83	54.00	47.74 Average
2	2483.50	HORIZONTAL	40.56	45.68	27.68	39.67	6.87	54.00	-13.44 Average
3	2487.92	HORIZONTAL	40.55	45.65	27.70	39.67	6.87	54.00	-13.45 Average
4	2500.00	HORIZONTAL	38.61	43.56	27.70	39.55	6.90	54.00	-15.39 Average

Test Mode: IEEE 802.11g TX Test CH1: 2412MHz



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : GCH1 PK

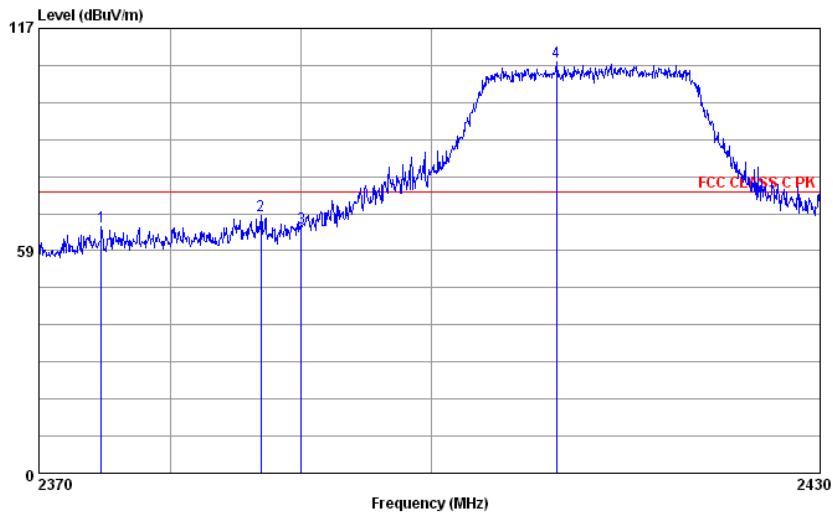
	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2381.34	VERTICAL	55.78	61.95	27.55	40.39	6.67	74.00	-18.22 Peak
2	2389.68	VERTICAL	58.75	64.88	27.58	40.40	6.69	74.00	-15.25 Peak
3	2390.00	VERTICAL	51.79	57.92	27.58	40.40	6.69	74.00	-22.21 Peak
4	2413.68	VERTICAL	100.82	106.86	27.60	40.37	6.73	74.00	26.82 Peak



Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : GCH1 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2377.08	VERTICAL	33.86	40.04	27.55	40.39	6.66	54.00	-20.14 Average
2	2380.86	VERTICAL	38.23	44.40	27.55	40.39	6.67	54.00	-15.77 Average
3	2390.00	VERTICAL	36.83	42.96	27.58	40.40	6.69	54.00	-17.17 Average
4	2416.62	VERTICAL	89.41	95.39	27.60	40.32	6.74	54.00	35.41 Average

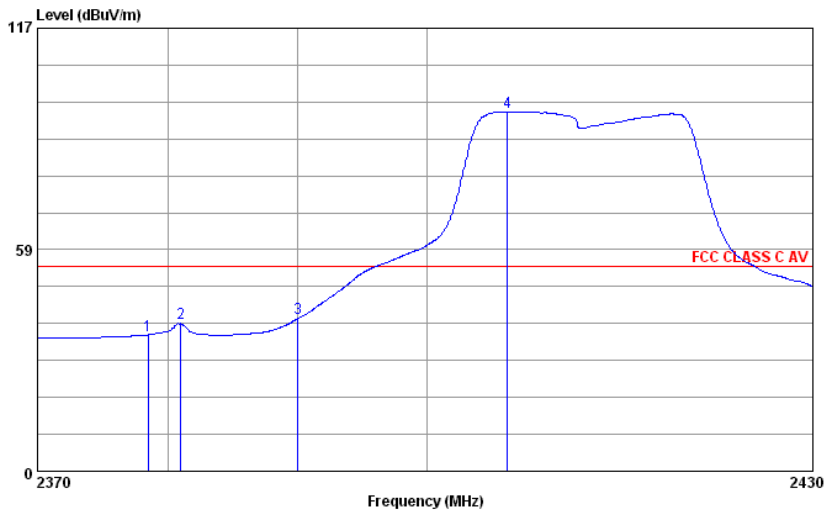
Data: 12



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : G CH1 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2374.74	HORIZONTAL	64.81	70.99	27.55	40.39	6.66	74.00	-9.19 Peak
2	2386.92	HORIZONTAL	67.88	74.01	27.58	40.40	6.69	74.00	-6.12 Peak
3	2390.00	HORIZONTAL	64.47	70.60	27.58	40.40	6.69	74.00	-9.53 Peak
4	2409.60	HORIZONTAL	108.14	114.18	27.60	40.37	6.73	74.00	34.14 Peak

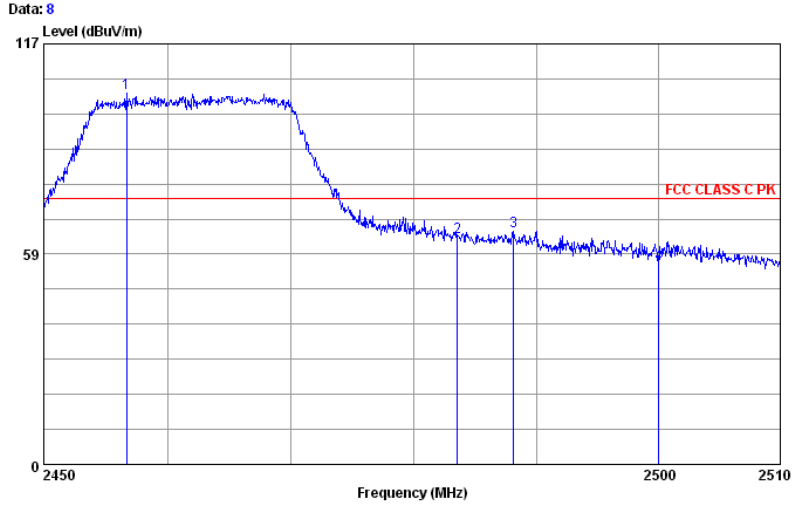
Data: 38



Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : G CH1 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2378.46	HORIZONTAL	36.01	42.19	27.55	40.39	6.66	54.00	-17.99 Average
2	2380.98	HORIZONTAL	39.08	45.25	27.55	40.39	6.67	54.00	-14.92 Average
3	2390.00	HORIZONTAL	40.27	46.40	27.58	40.40	6.69	54.00	-13.73 Average
4	2406.18	HORIZONTAL	94.87	100.97	27.60	40.41	6.71	54.00	40.87 Average

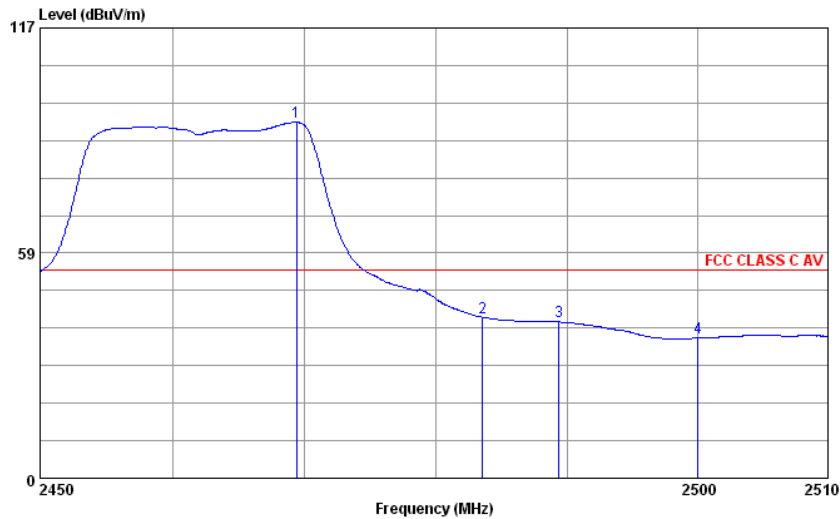
Test CH11: 2462MHz



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: REW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : G CH11 PK

	Level	ReadAntenna	Preamp	Cable	Limit	Over			
MHz	dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	2456.66	103.37	108.87	27.66	39.97	6.81	74.00	29.37	Peak
2	2483.50	63.13	68.25	27.68	39.67	6.87	74.00	-10.87	Peak
3	2488.10	64.74	69.84	27.70	39.67	6.87	74.00	-9.26	Peak
4	2500.00	55.83	60.78	27.70	39.55	6.90	74.00	-18.17	Peak

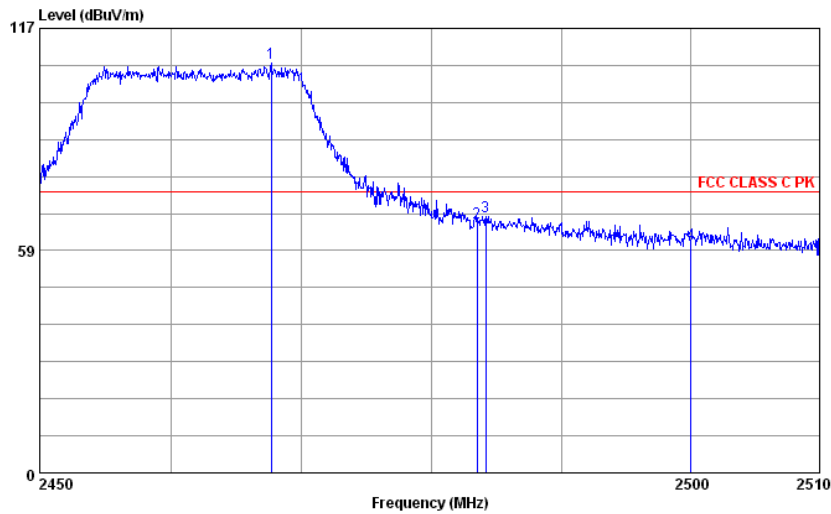
Data: 40



Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : G CH11 AV

	Level	ReadAntenna	Preamp	Cable	Limit	Over			
MHz	dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	2469.38	92.44	97.75	27.66	39.81	6.84	54.00	38.44	Average
2	2483.50	41.86	46.98	27.68	39.67	6.87	54.00	-12.14	Average
3	2489.36	40.58	45.61	27.70	39.62	6.89	54.00	-13.42	Average
4	2500.00	36.39	41.34	27.70	39.55	6.90	54.00	-17.61	Average

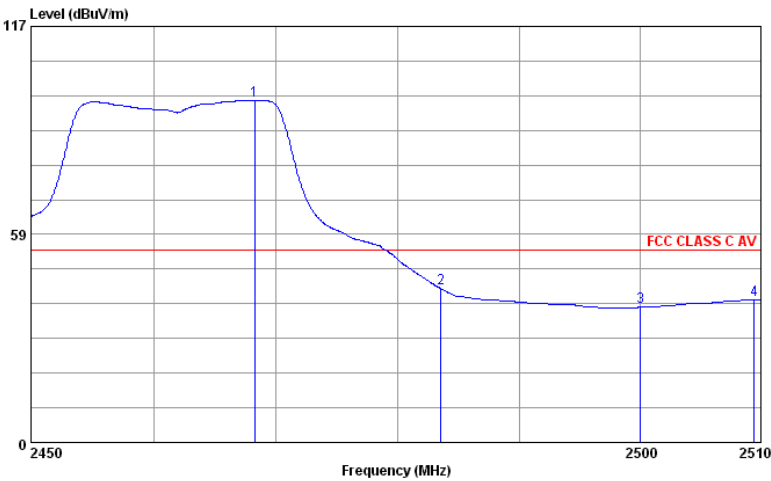
Data: 5



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : G CH11 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
			dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB
1	2467.64	HORIZONTAL	107.99	113.30	27.66	39.81	6.84	74.00	33.99 Peak
2	2483.48	HORIZONTAL	65.87	70.99	27.68	39.67	6.87	74.00	-8.13 Peak
3	2484.14	HORIZONTAL	67.58	72.70	27.68	39.67	6.87	74.00	-6.42 Peak
4	2500.00	HORIZONTAL	60.45	65.40	27.70	39.55	6.90	74.00	-13.55 Peak

Data: 39

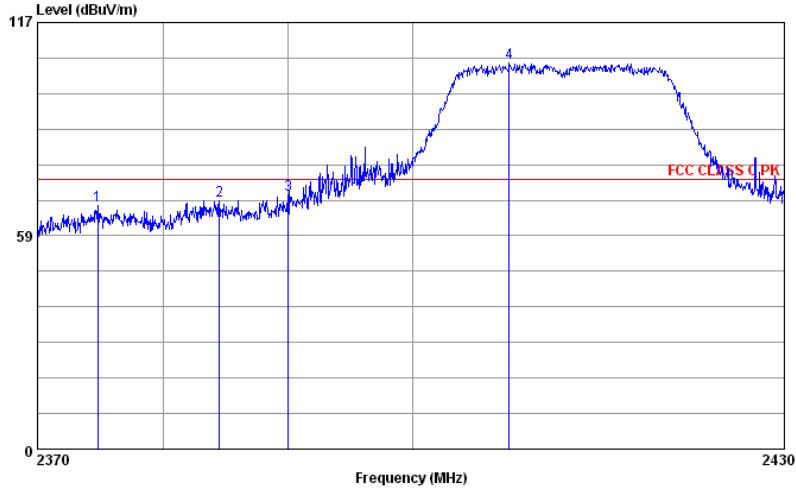


Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : G CH11 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
			dBuV/m	dBuV	dB/m	dB	dB	dBuV/m	dB
1	2468.24	HORIZONTAL	96.26	101.57	27.66	39.81	6.84	54.00	42.26 Average
2	2483.50	HORIZONTAL	43.33	48.45	27.68	39.67	6.87	54.00	-10.67 Average
3	2500.00	HORIZONTAL	37.98	42.93	27.70	39.55	6.90	54.00	-16.02 Average
4	2509.46	HORIZONTAL	40.10	45.03	27.74	39.60	6.93	54.00	-13.90 Average

Test Mode: IEEE 802.11n HT20 TX Test CH1: 2412MHz

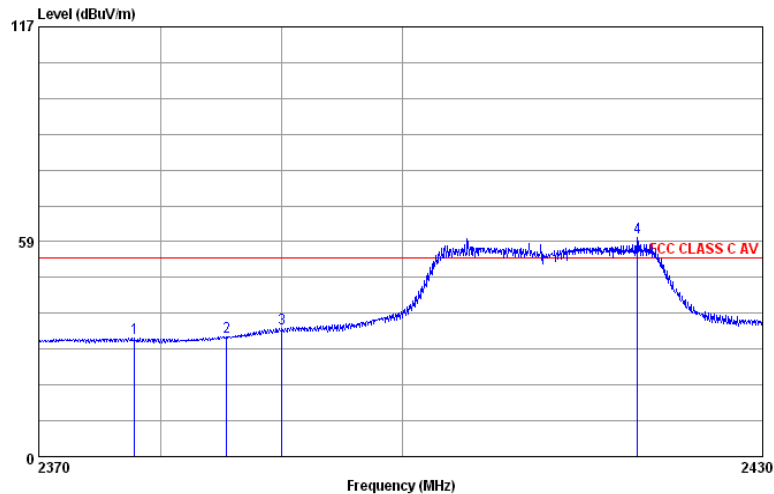
Data: 13



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : N20 CH1 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2374.80	HORIZONTAL	66.86	73.04	27.55	40.39	6.66	74.00	-7.14 Peak
2	2384.46	HORIZONTAL	68.25	74.42	27.55	40.39	6.67	74.00	-5.75 Peak
3	2390.00	HORIZONTAL	69.70	75.83	27.58	40.40	6.69	74.00	-4.30 Peak
4	2407.74	HORIZONTAL	105.95	112.05	27.60	40.41	6.71	74.00	31.95 Peak

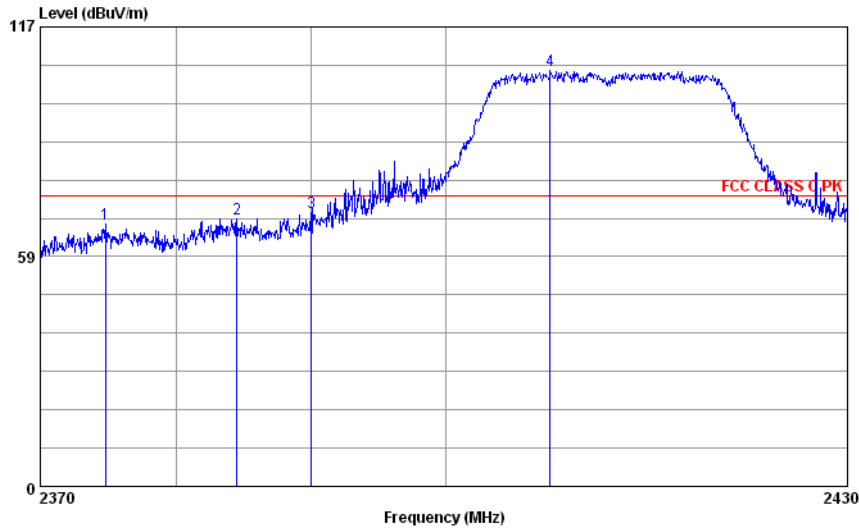
Data: 15



Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N20 CH1 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2377.86	VERTICAL	32.26	38.44	27.55	40.39	6.66	54.00	-21.74 Average
2	2385.42	VERTICAL	32.66	38.83	27.55	40.39	6.67	54.00	-21.34 Average
3	2390.00	VERTICAL	34.94	41.07	27.58	40.40	6.69	54.00	-19.06 Average
4	2419.50	VERTICAL	59.74	65.70	27.62	40.32	6.74	54.00	5.74 Average

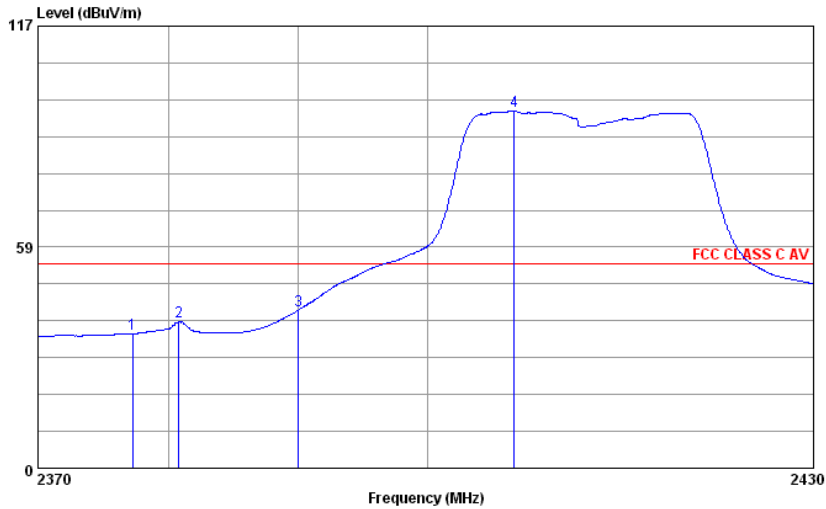
Data: 13



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : N20 CH1 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2374.80	HORIZONTAL	66.86	73.04	27.55	40.39	6.66	74.00	-7.14 Peak
2	2384.46	HORIZONTAL	68.25	74.42	27.55	40.39	6.67	74.00	-5.75 Peak
3	2390.00	HORIZONTAL	69.70	75.83	27.58	40.40	6.69	74.00	-4.30 Peak
4	2407.74	HORIZONTAL	105.95	112.05	27.60	40.41	6.71	74.00	31.95 Peak

Data: 42

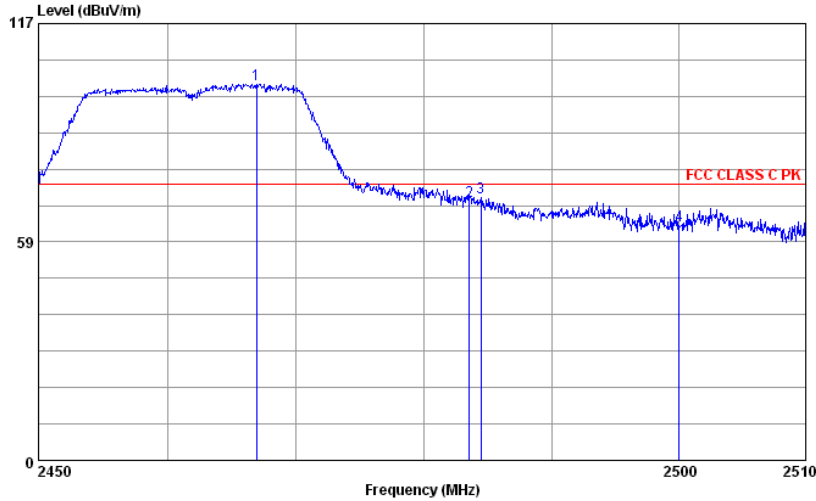


Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N20 CH1 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2377.26	HORIZONTAL	35.58	41.76	27.55	40.39	6.66	54.00	-18.42 Average
2	2380.80	HORIZONTAL	38.88	45.05	27.55	40.39	6.67	54.00	-15.12 Average
3	2389.98	HORIZONTAL	41.84	47.97	27.58	40.40	6.69	54.00	-12.16 Average
4	2406.66	HORIZONTAL	94.43	100.53	27.60	40.41	6.71	54.00	40.43 Average

Test Mode: IEEE 802.11n HT20 TX Test CH11: 2462MHz

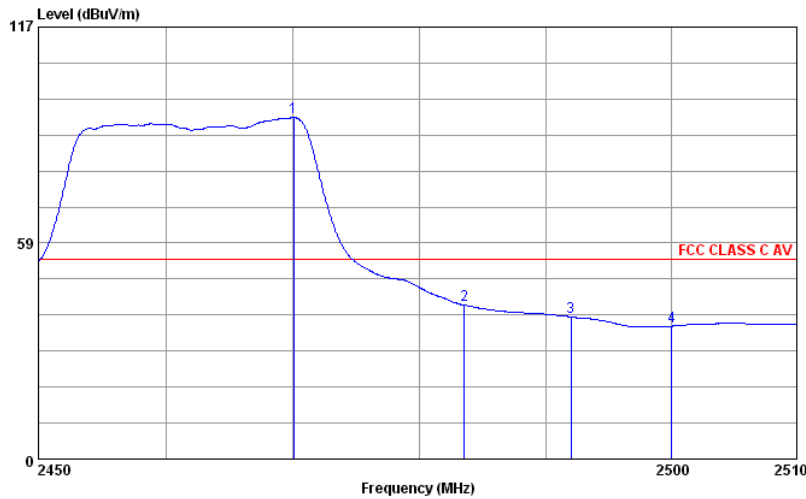
Data: 17



Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : N20 CH11 PK

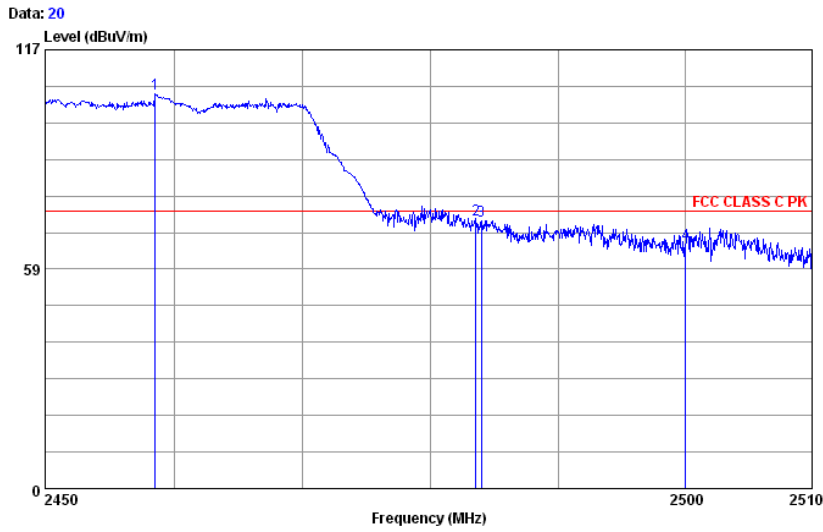
	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2466.92	VERTICAL	100.87	106.18	27.66	39.81	6.84	74.00	26.87 Peak
2	2483.50	VERTICAL	69.58	74.70	27.68	39.67	6.87	74.00	-4.42 Peak
3	2484.44	VERTICAL	70.42	75.54	27.68	39.67	6.87	74.00	-3.58 Peak
4	2500.00	VERTICAL	63.02	67.97	27.70	39.55	6.90	74.00	-10.98 Peak

Data: 44



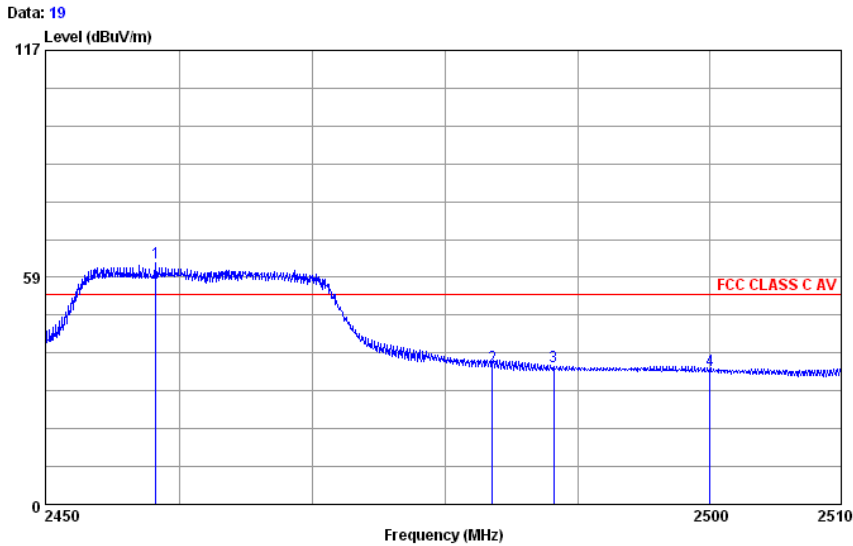
Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N20 CH11 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2470.04	VERTICAL	92.55	97.86	27.66	39.81	6.84	54.00	38.55 Average
2	2483.50	VERTICAL	41.68	46.80	27.68	39.67	6.87	54.00	-12.32 Average
3	2492.00	VERTICAL	38.50	43.53	27.70	39.62	6.89	54.00	-15.50 Average
4	2500.00	VERTICAL	35.99	40.94	27.70	39.55	6.90	54.00	-18.01 Average



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : N20 CH11 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2458.52	HORIZONTAL	105.16	110.66	27.66	39.97	6.81	74.00	31.16 Peak
2	2483.50	HORIZONTAL	71.55	76.67	27.68	39.67	6.87	74.00	-2.45 Peak
3	2483.96	HORIZONTAL	71.47	76.59	27.68	39.67	6.87	74.00	-2.53 Peak
4	2500.00	HORIZONTAL	65.21	70.16	27.70	39.55	6.90	74.00	-8.79 Peak

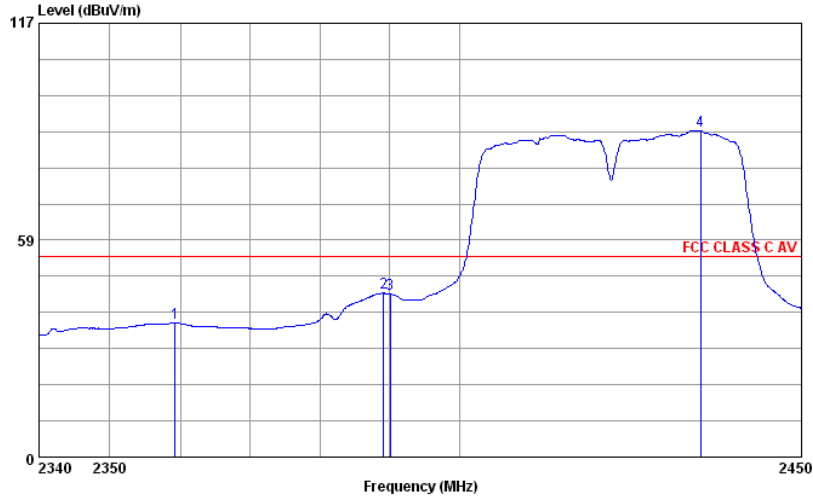


Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N20 CH11 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2458.22	HORIZONTAL	62.28	67.78	27.66	39.97	6.81	54.00	8.28 Average
2	2483.50	HORIZONTAL	35.49	40.61	27.68	39.67	6.87	54.00	-18.51 Average
3	2488.16	HORIZONTAL	35.67	40.77	27.70	39.67	6.87	54.00	-18.33 Average
4	2500.00	HORIZONTAL	34.69	39.64	27.70	39.55	6.90	54.00	-19.31 Average

Test Mode: IEEE 802.11n HT40 TX Test CH1: 2422MHz

Data: 46



Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N40 CH3 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2359.25	VERTICAL	36.06	42.29	27.53	40.39	6.63	54.00	-17.94 Average
2	2389.06	VERTICAL	44.19	50.32	27.58	40.40	6.69	54.00	-9.81 Average
3	2390.05	VERTICAL	43.94	50.07	27.58	40.40	6.69	54.00	-10.06 Average
4	2435.15	VERTICAL	88.05	93.85	27.62	40.19	6.77	54.00	34.05 Average

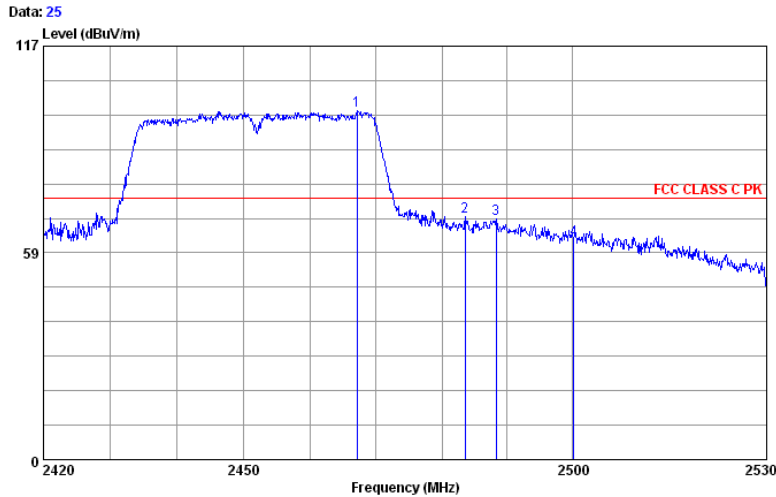
Data: 45



Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N40 CH3 AV

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit Remark
				dBuV	dB/m	dB	dB	dBuV/m	dB
1	2364.53	HORIZONTAL	35.65	41.88	27.53	40.39	6.63	54.00	-18.35 Average
2	2386.31	HORIZONTAL	40.10	46.24	27.58	40.39	6.67	54.00	-13.90 Average
3	2390.05	HORIZONTAL	40.47	46.60	27.58	40.40	6.69	54.00	-13.53 Average
4	2435.26	HORIZONTAL	86.86	92.66	27.62	40.19	6.77	54.00	32.86 Average

Test Mode: IEEE 802.11n HT40 TX Test CH7: 2452MHz



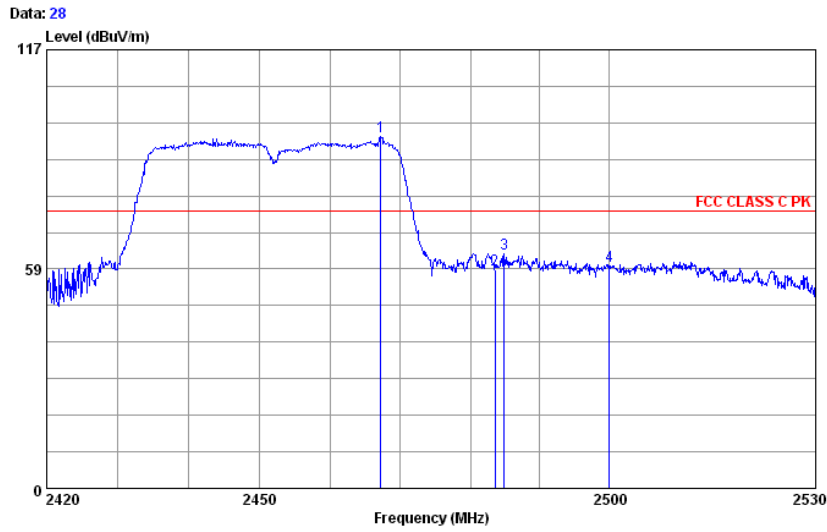
Site : 966 CHAMBER
Condition: FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : N40 CH9 PK

Freq	Pol/Phase	Level	Read	Antenna	Preamp	Cable	Limit	Over	
MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit	Remark
			dBuV	dB/m	dB	dB	dBuV/m	dB	
1	2467.08 VERTICAL	98.69	104.00	27.66	39.81	6.84	74.00	24.69	Peak
2	2483.58 VERTICAL	68.63	73.75	27.68	39.67	6.87	74.00	-5.37	Peak
3	2488.31 VERTICAL	67.97	73.07	27.70	39.67	6.87	74.00	-6.03	Peak
4	2500.19 VERTICAL	62.21	67.16	27.70	39.55	6.90	74.00	-11.79	Peak



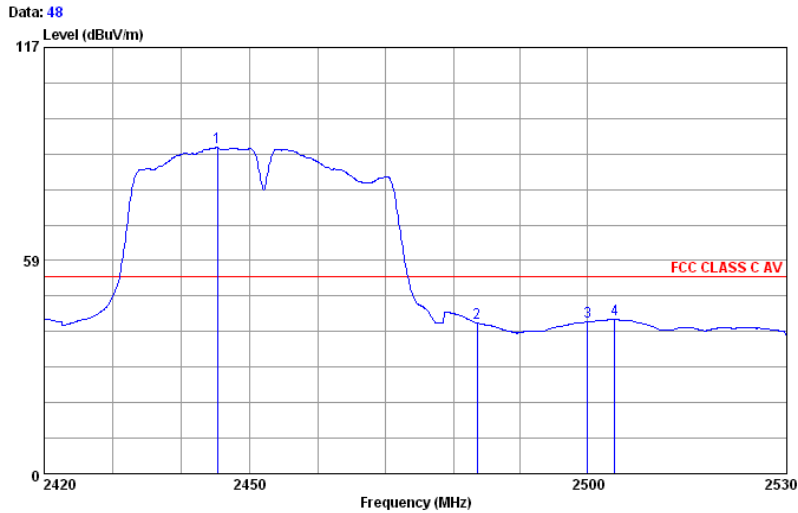
Site : 966 CHAMBER
Condition: FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N40 CH9 AV

Freq	Pol/Phase	Level	Read	Antenna	Preamp	Cable	Limit	Over	
MHz		dBuV/m	Level	Factor	Factor	Loss	Line	Limit	Remark
			dBuV	dB/m	dB	dB	dBuV/m	dB	
1	2465.10 VERTICAL	92.92	98.31	27.66	39.88	6.83	54.00	38.92	Average
2	2483.50 VERTICAL	54.24	59.36	27.68	39.67	6.87	54.00	0.24	Average
3	2500.00 VERTICAL	40.97	45.92	27.70	39.55	6.90	54.00	-13.03	Average
4	2524.72 VERTICAL	42.62	47.65	27.79	39.80	6.98	54.00	-11.38	Average



Site : 966 CHAMBER
Condition : FCC CLASS C PK 3m HF906
: RBW:1000.000KHz VBW:1000.000KHz SWT:Auto
cut : MI
mode :
memo : N40 CH9 PK

	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2467.19	HORIZONTAL	93.72	99.03	27.66	39.81	6.84	74.00	19.72 Peak
2	2483.50	HORIZONTAL	58.47	63.59	27.68	39.67	6.87	74.00	-15.53 Peak
3	2484.90	HORIZONTAL	62.44	67.56	27.68	39.67	6.87	74.00	-11.56 Peak
4	2500.00	HORIZONTAL	59.46	64.41	27.70	39.55	6.90	74.00	-14.54 Peak



Site : 966 CHAMBER
Condition : FCC CLASS C AV 3m HF906
: RBW:1000.000KHz VBW:0.010KHz SWT:Auto
cut : MI
mode :
memo : N40 CH9 AV

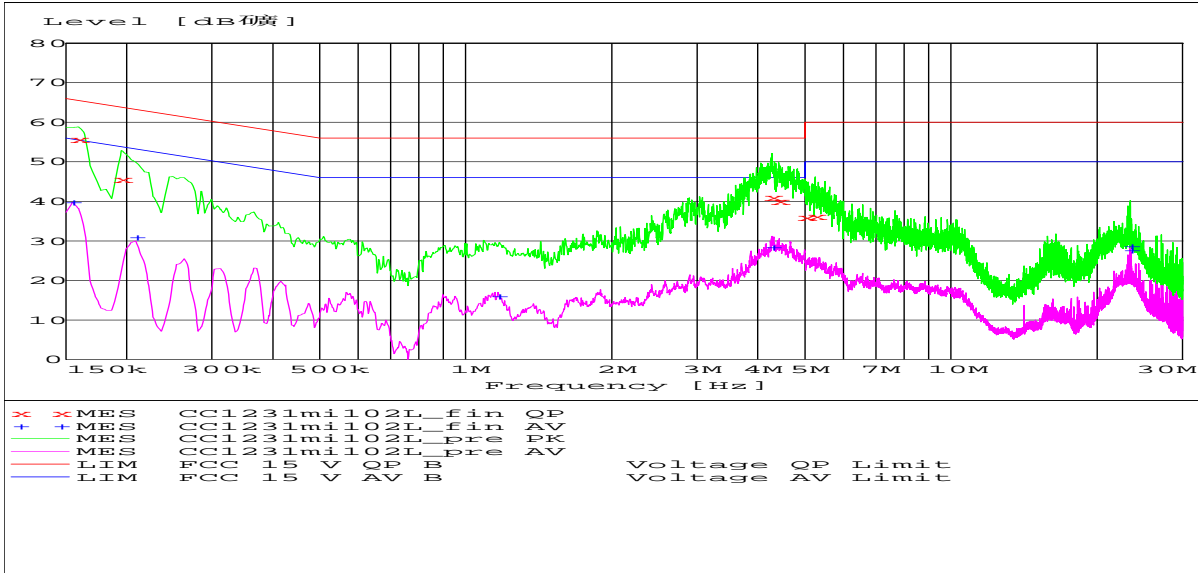
	Freq	Pol/Phase	Level	ReadAntenna	Preamp	Cable	Limit	Over	
	MHz		dBuV/m	Level	Factor	Loss	Line	Limit	Remark
				dBuV	dB/m	dB	dBuV/m	dB	
1	2445.19	HORIZONTAL	89.51	95.12	27.64	40.05	6.80	54.00	35.51 Average
2	2483.50	HORIZONTAL	41.43	46.55	27.68	39.67	6.87	54.00	-12.57 Average
3	2500.00	HORIZONTAL	41.63	46.58	27.70	39.55	6.90	54.00	-12.37 Average
4	2504.04	HORIZONTAL	42.33	47.30	27.70	39.60	6.93	54.00	-11.67 Average

4.8 AC Powerline Conducted Emissions: (FCC Part §15.207)

The EUT was placed on an 80 cm high 1 x 1.5 m non-conductive table above a ground plane. Power to the EUT was provided through a Solar Corporation 50 Ω /50 μ H Line Impedance Stabilization Network bonded to a 3 x 2 meter ground plane. The LISN has its AC input supplied from a filtered AC power source. Power and data cables were moved about to obtain maximum emissions.

The 50 Ω output of the LISN was connected to the input of the spectrum analyzer and the emissions in the frequency range of 450 kHz to 30 MHz were measured. The detector function was set to quasi-peak or peak, as appropriate, and the resolution bandwidth during testing was at least 9 kHz, with all post-detector filtering no less than 10 times the resolution bandwidth.

Table 12 AC Powerline Conducted Emissions

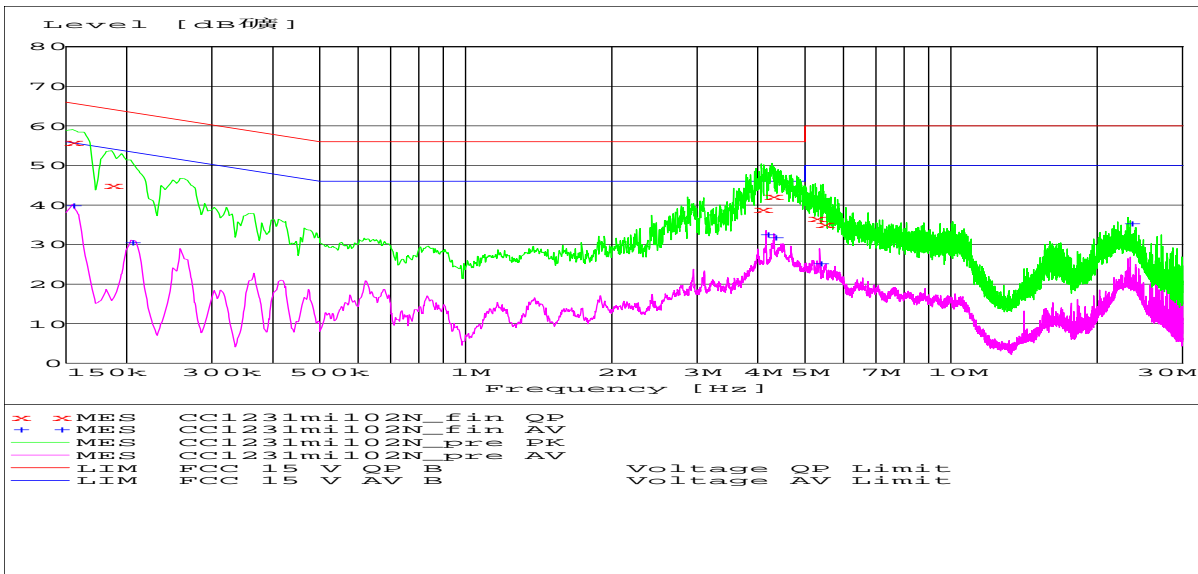


MEASUREMENT RESULT: "CC1231mi102L_fin QP"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dB μ V	dB	dB μ V	dB		
0.159000	55.70	10.0	66	9.8	L1	FLO
0.195000	45.60	10.0	64	18.2	L1	FLO
4.280000	40.90	10.9	56	15.1	L1	FLO
4.419500	40.10	10.9	56	15.9	L1	FLO
5.000000	36.00	10.8	56	20.0	L1	FLO
5.247500	36.20	10.8	60	23.8	L1	FLO

MEASUREMENT RESULT: "CC1231mi102L_fin AV"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dB μ V	dB	dB μ V	dB		
0.154500	39.70	10.0	56	16.1	L1	FLO
0.208500	30.90	10.0	53	22.4	L1	FLO
1.166000	16.00	10.3	46	30.0	L1	FLO
4.280000	28.30	10.9	46	17.7	L1	FLO
23.405000	28.60	11.3	50	21.4	L1	FLO
23.436500	27.70	11.3	50	22.3	L1	FLO



MEASUREMENT RESULT: "CC1231mi102N_fin QP"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.154500	55.90	10.0	66	9.8 N	FLO	
0.186000	44.90	10.0	64	19.4 N	FLO	
4.064000	39.00	10.8	56	17.0 N	FLO	
4.284500	42.30	10.9	56	13.7 N	FLO	
5.256500	36.60	10.8	60	23.4 N	FLO	
5.445500	35.00	10.8	60	25.0 N	FLO	

MEASUREMENT RESULT: "CC1231mi102N_fin AV"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.154500	39.80	10.0	56	16.0 N	FLO	
0.204000	30.50	10.0	53	22.9 N	FLO	
4.154000	32.70	10.8	46	13.3 N	FLO	
4.316000	31.80	10.9	46	14.2 N	FLO	
5.364500	25.30	10.8	50	24.7 N	FLO	
23.418500	35.50	11.3	50	14.5 N	FLO	

END OF TEST REPORT