

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Report No.: RFBBDW-WTW-P22120320

FCC ID: B94SNPRC1950

Product: 802.11a/b/g/n/ac (2.4 / 5 GHz) Wi-Fi radio + BT Radio Module

Brand:



Model No.: SNPRC-1950

Received Date: 2022/12/9

Test Date: 2023/1/10 ~ 2023/5/30

Issued Date: 2023/7/11

Applicant: HP Inc.

Address: 3390 East Harmony Road, MS 66 Fort Collins, CO 80528

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan

FCC Registration / 723255 / TW2022

Designation Number:

Approved by:



May Chen / Manager

, Date:

2023/7/11

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Prepared by : Vito Lung / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBBDW-WTW-P22120320	Original release.	2023/7/11

1 Certificate

Product: 802.11a/b/g/n/ac (2.4 / 5 GHz) Wi-Fi radio + BT Radio Module

Brand:



Test Model: SNPRC-1950

Sample Status: Engineering sample

Applicant: HP Inc.

Test Date: 2023/1/10 ~ 2023/5/30

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Measurement procedure: ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
Standard / Clause	Test Item	Result	Remark
15.247(b)	RF Output Power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.247(a)(2)	6 dB Bandwidth	Pass	Meet the requirement of limit.
15.247(d)	Conducted Out of Band Emissions	Pass	Meet the requirement of limit.
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -7.40 dB at 0.52500 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.4 dB at 34.46 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -3.0 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Internal antenna no antenna connector is used. External antenna connector is i-pex(MHF) not a standard connector.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Specification	Expanded Uncertainty (k=2) (±)
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.5 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description

Product	802.11a/b/g/n/ac (2.4 / 5 GHz) Wi-Fi radio + BT Radio Module
Brand	
Test Model	SNPRC-1950
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 150 Mbps
Operating Frequency	2.412 GHz ~ 2.472 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20): 13 802.11n (HT40): 9
Output Power	190.546 mW (22.8 dBm)

Note:

1. This is a supplementary report of Report No.: RF190614E02 R1. The differences between them are as below information:
 - ◆ Enabling CH 12 and 13 for 20 MHz BW modes and CH 10 and 11 for 40 MHz BW modes.
2. According to above condition, all test items need to be performed. And all data was verified to meet the requirements.
3. 2.4 GHz & 5 GHz technology can't transmit at same time.
4. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4 GHz)	Bluetooth
2	WLAN (5 GHz)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

5. The EUT has the below configurations:

Part Numbers	Description
0960-4628	straight connector
0960-4622	straight connector
0960-4630	FFC connector

Note: From the above conditions, the worst case radiated emissions was found to be with FFC connector config, therefore only the test data of this config was recorded in this report.

6. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Internal Antenna						
Antenna No.	Brand	Model	Ant. Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1	HP Inc.	SNPRC-1950	3.5	2.4-2.5	PCB	None
			4.5	5-6		
External Antenna						
2	Yageo	ANTX300P002B24553	0.9	2.4-2.5	PCB	i-pex(MHF)
			2.3	5.150-5.875		
3	Pulse	SZ0595D	2.5	2.4-2.5	PIFA	i-pex(MHF)
			3	4.9-5.9		
4	Yageo	ANTX200P002B24553	0.9	2.4-2.5	PCB	i-pex(MHF)
			2.3	5.150-5.875		
5	Pulse	SZ07751	2.5	2.4-2.5	PIFA	i-pex(MHF)
			3	4.9-5.9		

Note:

1. The external antenna will fix transmission on Chain 1
2. The Bluetooth technology will fix transmission on Chain 1
3. For radiated emissions test from the above antennas, the Ant. No.: 1, 2, 5 were selected as representative model for the test and its data was recorded in this report.

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a SIMO function:

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	1TX (Diversity)	2RX
802.11g	1TX (Diversity)	2RX
802.11n (HT20)	1TX (Diversity)	2RX
802.11n (HT40)	1TX (Diversity)	2RX

3.3 Channel List

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20):

Channel	Frequency	Channel	Frequency
1	2412 MHz	8	2447 MHz
2	2417 MHz	9	2452 MHz
3	2422 MHz	10	2457 MHz
4	2427 MHz	11	2462 MHz
5	2432 MHz	12	2467 MHz
6	2437 MHz	13	2472 MHz
7	2442 MHz		

9 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
3	2422 MHz	8	2447 MHz
4	2427 MHz	9	2452 MHz
5	2432 MHz	10	2457 MHz
6	2437 MHz	11	2462 MHz
7	2442 MHz		

3.4 Test Mode Applicability and Tested Channel Detail

Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis
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Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power / Power Spectral Density	E	802.11b	12, 13	DBPSK	1Mb/s
		802.11g	12, 13	BPSK	6Mb/s
		802.11n (HT20)	12, 13	BPSK	MCS0
		802.11n (HT40)	10, 11	BPSK	MCS0
6 dB Bandwidth / Conducted Out of Band Emissions	E	802.11b	12, 13	DBPSK	1Mb/s
		802.11g	12, 13	BPSK	6Mb/s
		802.11n (HT20)	12, 13	BPSK	MCS0
		802.11n (HT40)	10, 11	BPSK	MCS0
AC Power Conducted Emissions	D	802.11g	12	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A,B,C,D	802.11g	12	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A,B,C,D	802.11b	12, 13	DBPSK	1Mb/s
		802.11g	12, 13	BPSK	6Mb/s
		802.11n (HT20)	12, 13	BPSK	MCS0
		802.11n (HT40)	10, 11	BPSK	MCS0
EUT Configure Mode:	A	For internal Ant. No.: 1 (Chain 0) PCB antenna (Model: SNPRC-1950)			
	B	For internal Ant. No.: 1 (Chain 1) PCB antenna (Model: SNPRC-1950)			
	C	For external Ant. No.: 2 (Chain 1) PCB antenna (Model: ANT300P002B24553)			
	D	For external Ant. No.: 5 (Chain 1) PIFA antenna (Model: SZ07751)			
	E	Antenna Port			

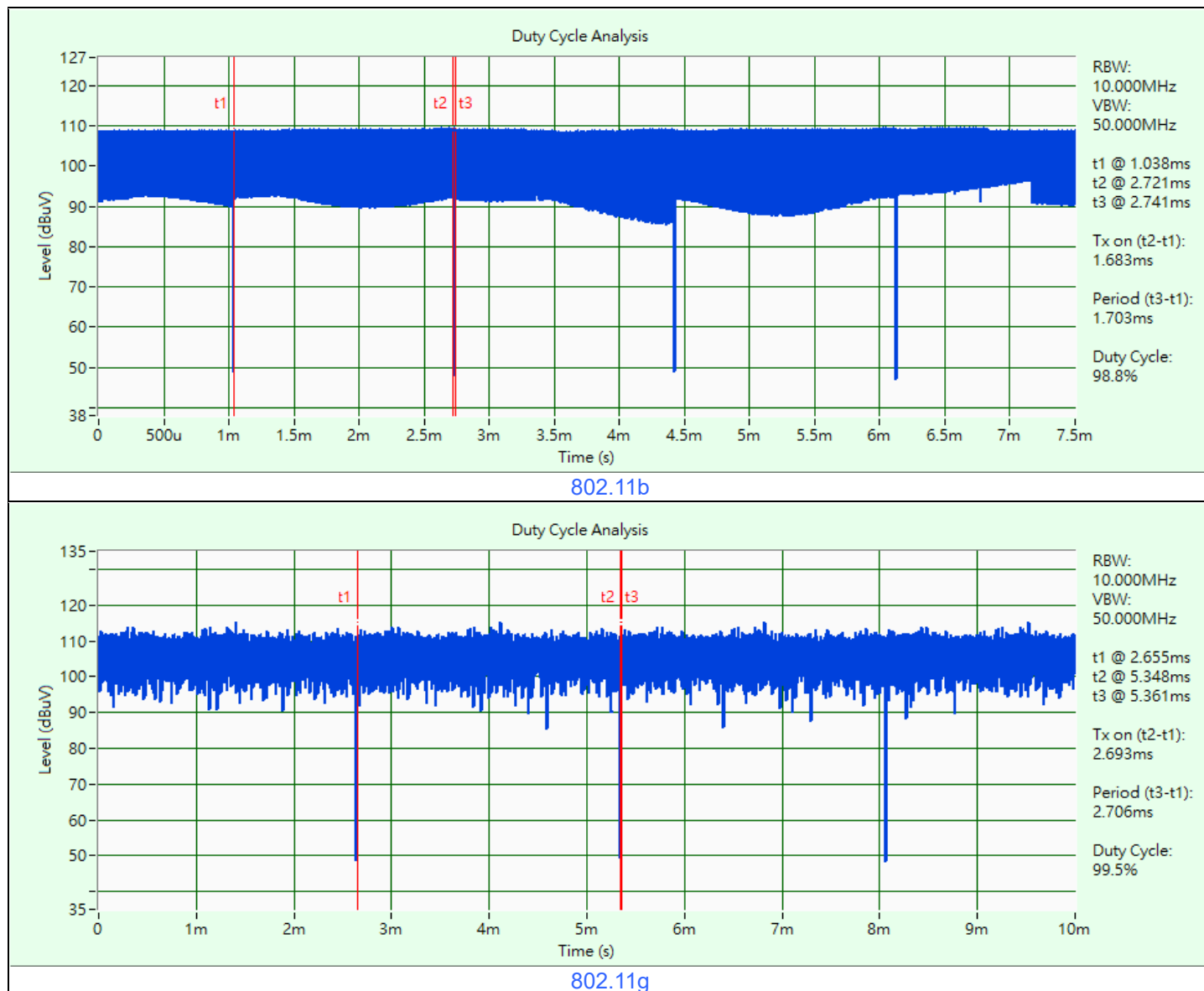
3.5 Duty Cycle of Test Signal

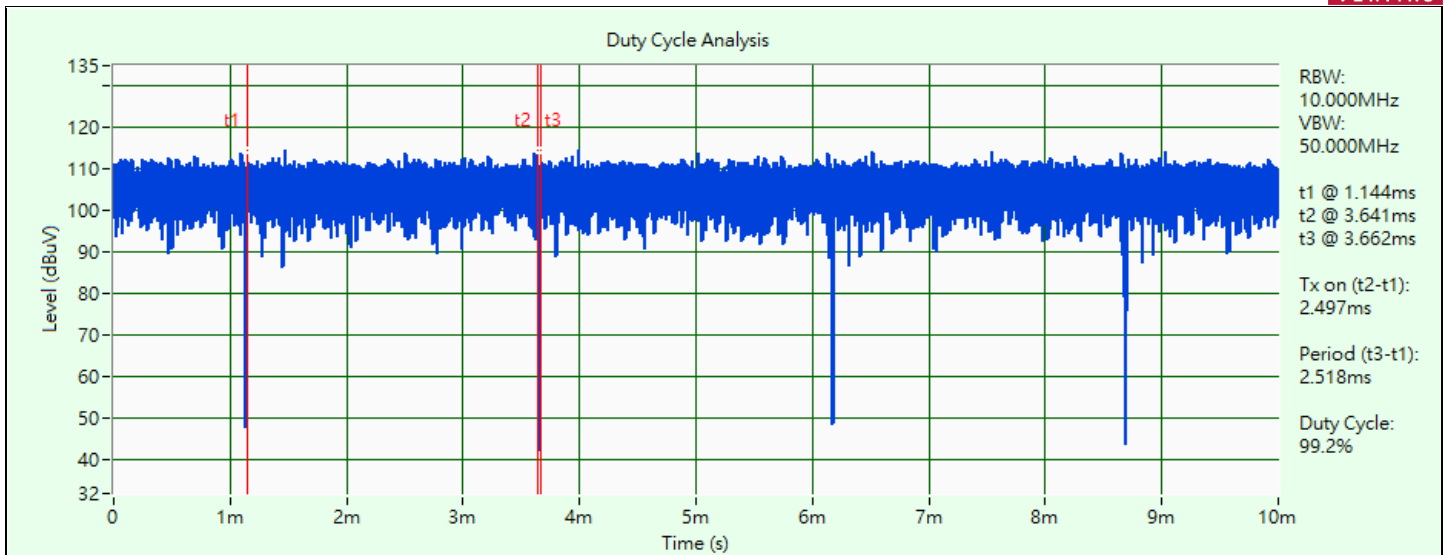
802.11b: Duty cycle = 1.683 ms / 1.703 ms x 100% = 98.8%

802.11g: Duty cycle = 2.693 ms / 2.706 ms x 100% = 99.5%

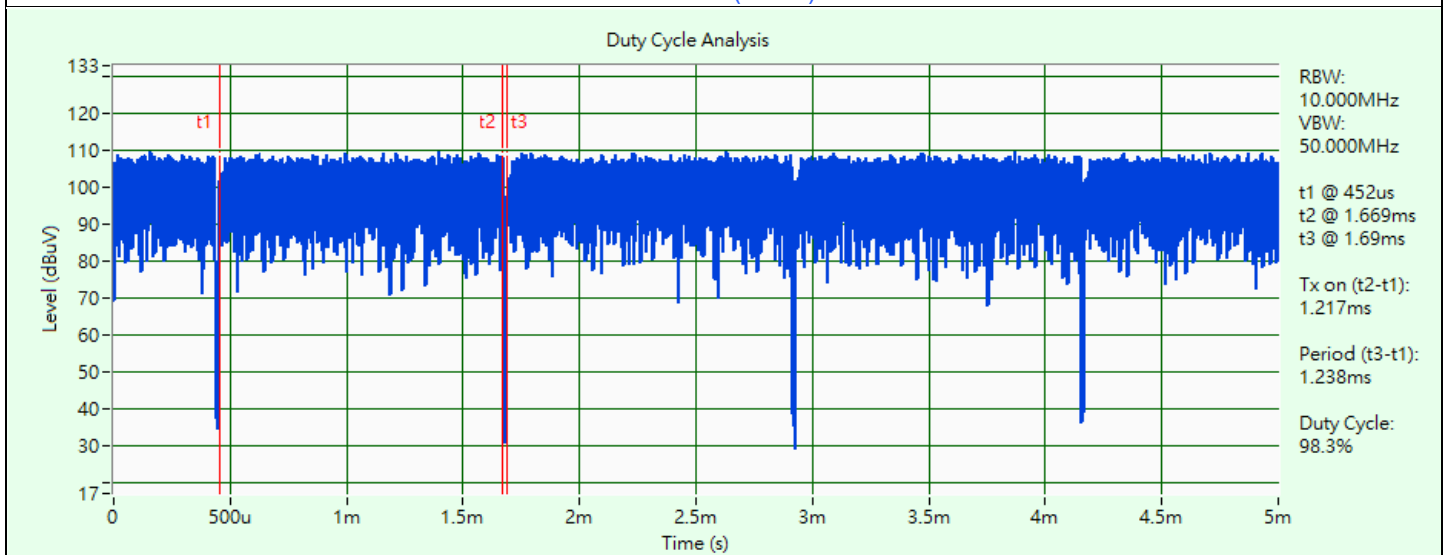
802.11n (HT20): Duty cycle = 2.497 ms / 2.518 ms x 100% = 99.2%

802.11n (HT40): Duty cycle = 1.217 ms / 1.238 ms x 100% = 98.3%





802.11n (HT20)



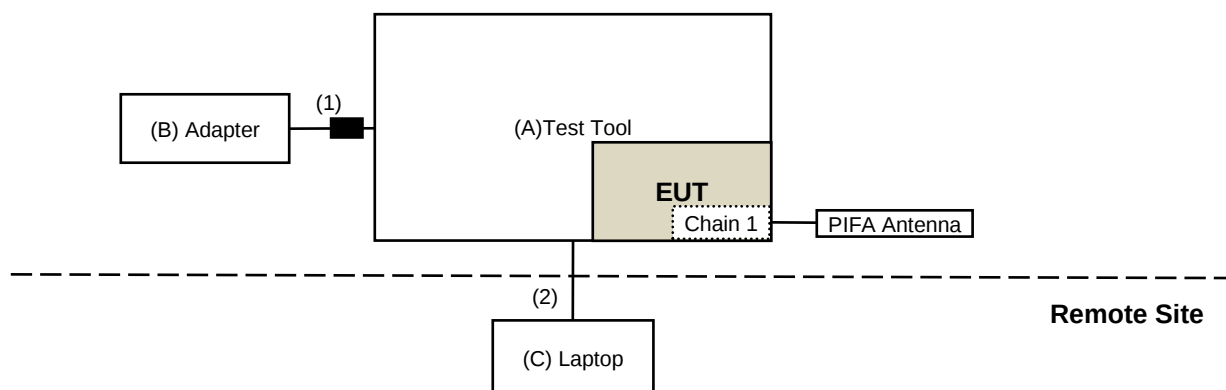
802.11n (HT40)

3.6 Test Program Used and Operation Descriptions

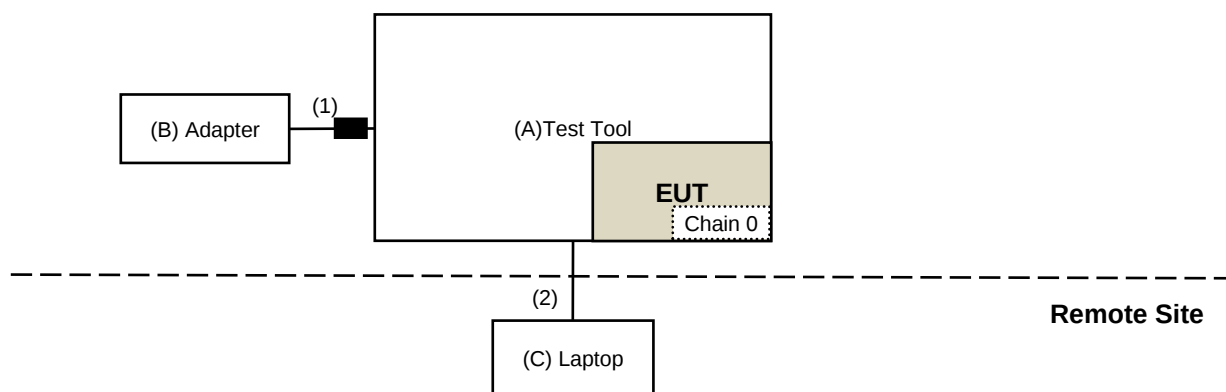
Controlling software ({Hyper Terminal paste RTL8821DS_Wifi SOP_190618.txt command}) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

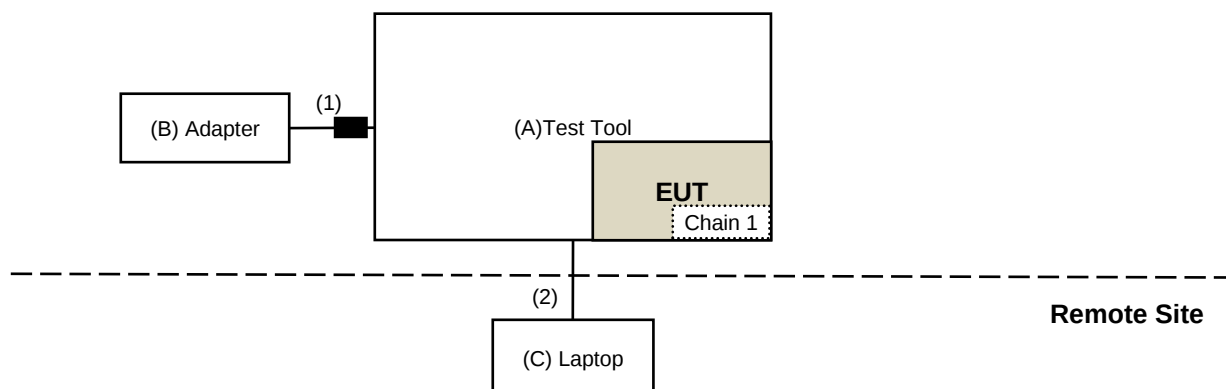
For AC Power Conducted Emission test Mode D



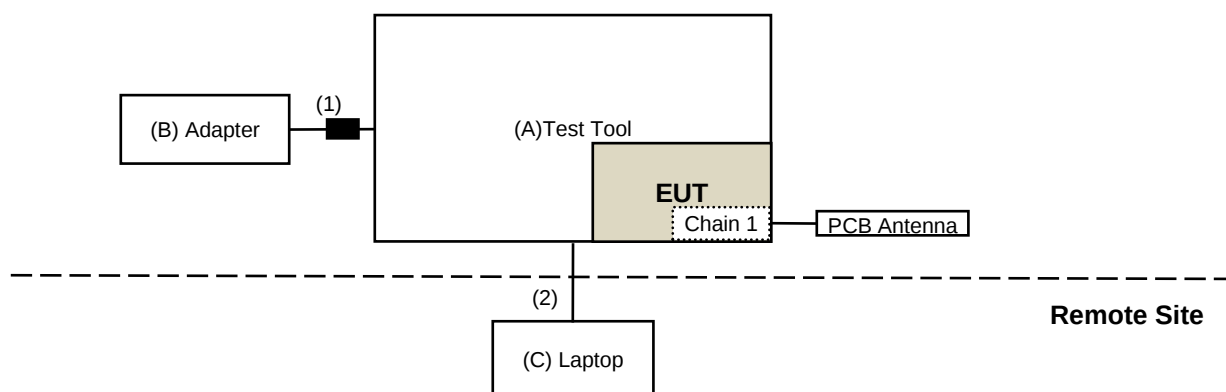
For Unwanted Emission test Mode A



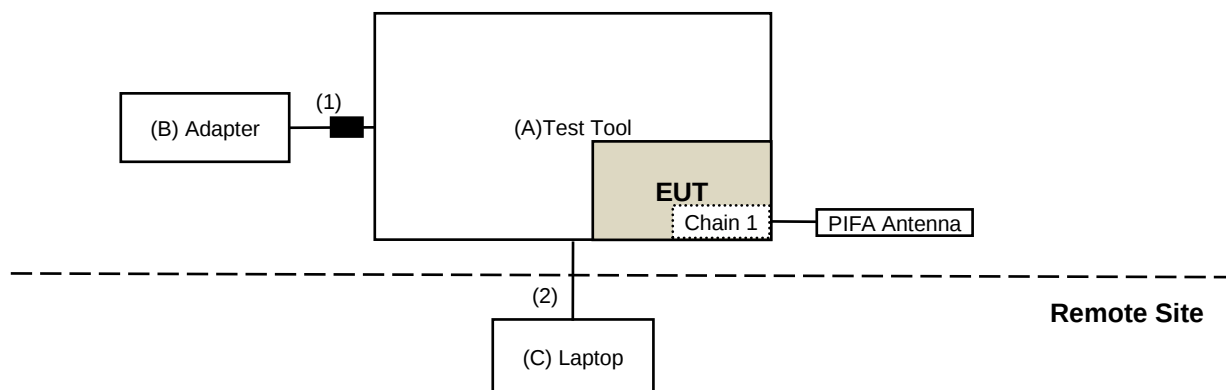
Mode B



Mode C



Mode D



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Test Tool	Realtek	NA	NA	NA	Supplied by applicant
B	Adapter	CANAKIT	DCAR-052A5	NA	NA	Supplied by applicant
C	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	NA	NA

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.4	Yes	1	Supplied by applicant
2	RJ-45 Cable	1	10	No	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/5/26

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/5/26

4.3 6 dB Bandwidth

Refer to section 4.2 to get information of the instruments.

4.4 Conducted Out of Band Emissions

Refer to section 4.2 to get information of the instruments.

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-01	2022/9/27	2023/9/26
EMI Test Receiver R&S	ESCS 30	847124/029	2022/10/14	2023/10/13
Fixed Attenuator STI	STI02-2200-10	005	2022/8/24	2023/8/23
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2022/8/24	2023/8/23
Software BVADT	BVADT_Conc_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/5/30

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2022/10/21	2023/10/20
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2022/9/14	2023/9/13
Loop Antenna Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
MXE EMI Receiver KEYSIGHT	N9038A	MY59050100	2022/6/20	2023/6/19
Preamplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Preamplifier Mini-Circuits	ZFL-1000VH2	QA0838008	2022/10/4	2023/10/3
PXA Signal Analyzer KEYSIGHT	N9030B	MY57142938	2023/4/6	2024/4/5
RF Coaxial Cable COMDATE/PEWC	8D	966-3-2	2023/2/17	2024/2/16
		966-3-3	2023/2/17	2024/2/16
		966-4-1	2023/2/18	2024/2/17
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2023/5/29

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9170	9170-739	2022/11/13	2023/11/12
	BBHA9120-D	9120D-406	2022/11/13	2023/11/12
MXE EMI Receiver KEYSIGHT	N9038A	MY59050100	2022/6/20	2023/6/19
Preamplifier EMCI	EMC12630SE	980384	2022/12/28	2023/12/27
	EMC184045SE	980387	2022/12/28	2023/12/27
PXA Signal Analyzer KEYSIGHT	N9030B	MY57142938	2022/4/6 2023/4/6	2023/4/25 2024/4/5
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2022/3/8 2023/2/20	2023/3/7 2024/2/19
	EMC102-KM-KM-1200	160924	2022/12/28	2023/12/27
	EMC104-SM-SM-1500	180504	2022/4/25 2023/3/27	2023/4/24 2024/3/26
	EMC104-SM-SM-2000	180601	2022/6/6	2023/6/5
	EMC104-SM-SM-6000	210201	2022/5/10 2023/5/8	2023/5/9 2024/5/7
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2023/1/10 ~ 2023/5/30

5 Limits of Test Items

5.1 RF Output Power

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30 dBm)

5.2 Power Spectral Density

The Maximum of Power Spectral Density Measurement is 8 dBm in any 3 kHz.

5.3 6 dB Bandwidth

The minimum of 6 dB Bandwidth Measurement is 0.5 MHz.

5.4 Conducted Out of Band Emissions

Below 20 dB of the highest emission level of operating band (in 100 kHz Resolution Bandwidth).

5.5 AC Power Conducted Emissions

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Notes:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

5.6 Unwanted Emissions below 1 GHz

Radiated emissions up to 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

5.7 Unwanted Emissions above 1 GHz

Radiated emissions above 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

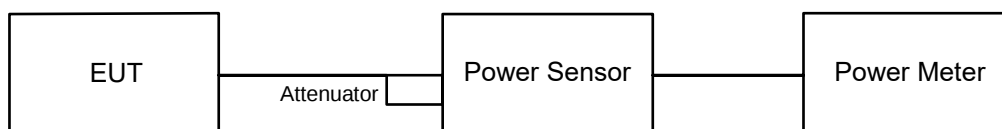
Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



6.1.2 Test Procedure

Peak Power:

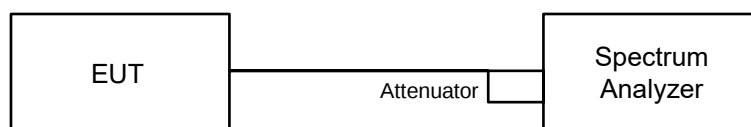
A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average Power:

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

6.2 Power Spectral Density

6.2.1 Test Setup

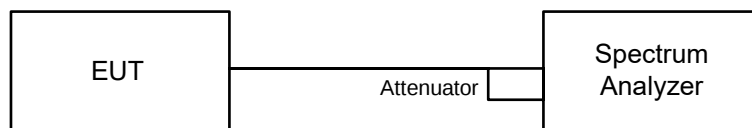


6.2.2 Test Procedure

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to: 3 kHz.
- Set the VBW $\geq 3 \times$ RBW.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

6.3 6 dB Bandwidth

6.3.1 Test Setup

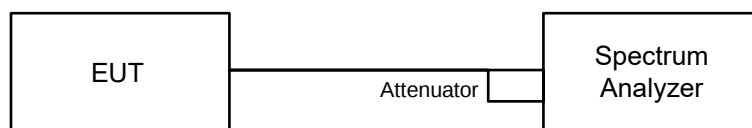


6.3.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

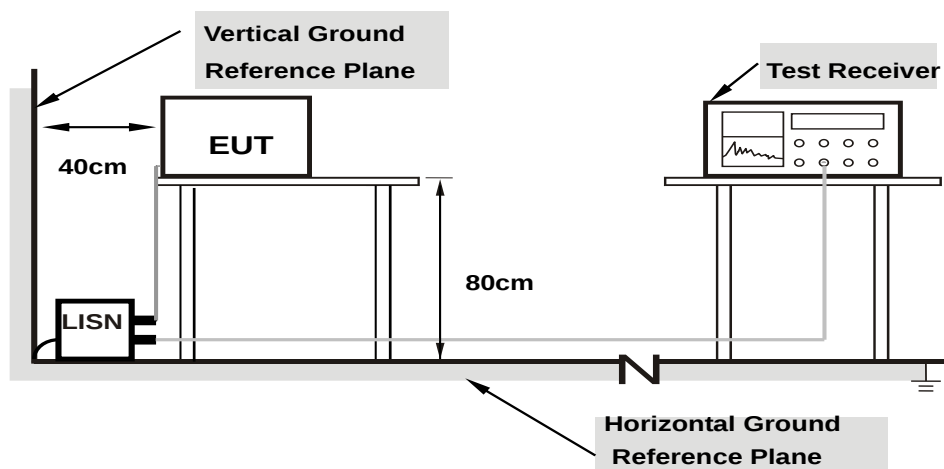
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

- Set RBW = 100 kHz.
- Set VBW ≥ 300 kHz.
- Detector = peak.
- Sweep = auto couple.
- Trace Mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

6.5 AC Power Conducted Emissions

6.5.1 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.5.2 Test Procedure

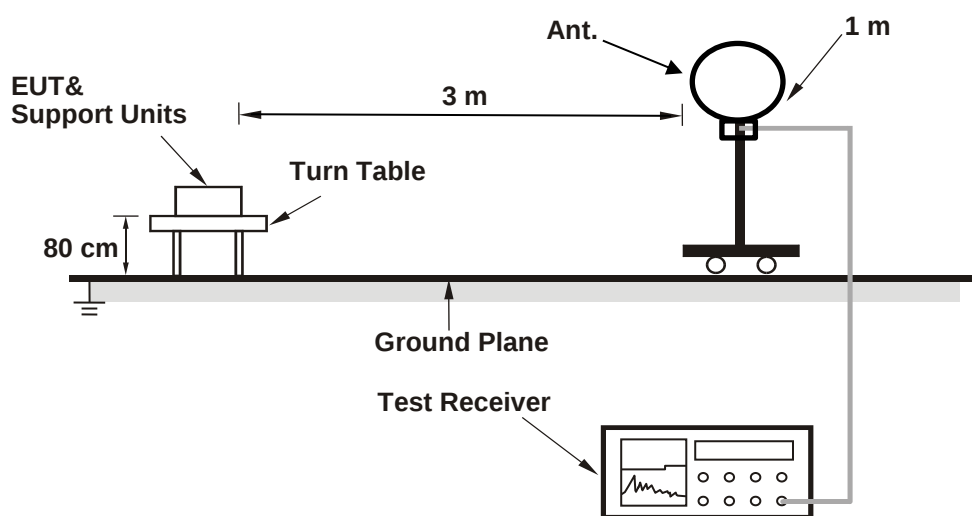
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

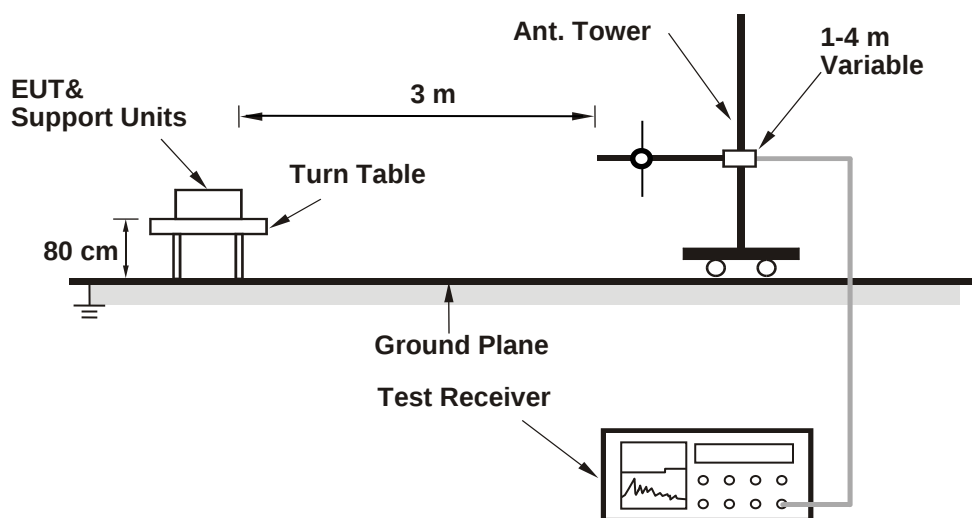
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.6.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

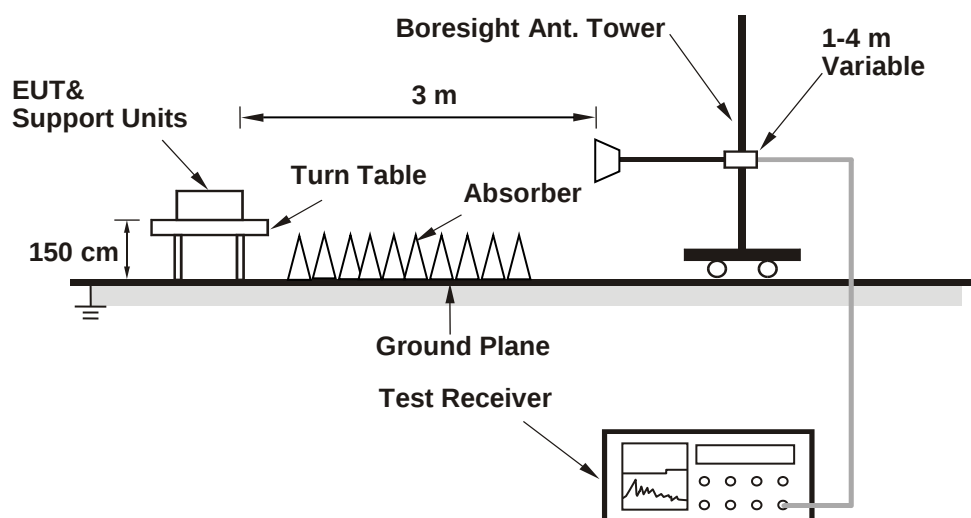
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.7.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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For Peak Power

802.11b

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
12	2467	31.333	14.96	30	Pass
13	2472	25.527	14.07	30	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
12	2467	190.546	22.80	30	Pass
13	2472	140.281	21.47	30	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
12	2467	174.985	22.43	30	Pass
13	2472	98.401	19.93	30	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
10	2457	127.057	21.04	30	Pass
11	2462	106.17	20.26	30	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the output power limit shall not be reduced.

For Average Power

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
12	2467	20.464	13.11
13	2472	17.061	12.32

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
12	2467	23.714	13.75
13	2472	18.535	12.68

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
12	2467	21.627	13.35
13	2472	16.218	12.10

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
10	2457	18.621	12.70
11	2462	11.402	10.57

7.2 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
12	2467	-7.29	8	Pass
13	2472	-8.24	8	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
12	2467	-9.54	8	Pass
13	2472	-9.51	8	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
12	2467	-8.99	8	Pass
13	2472	-12.40	8	Pass

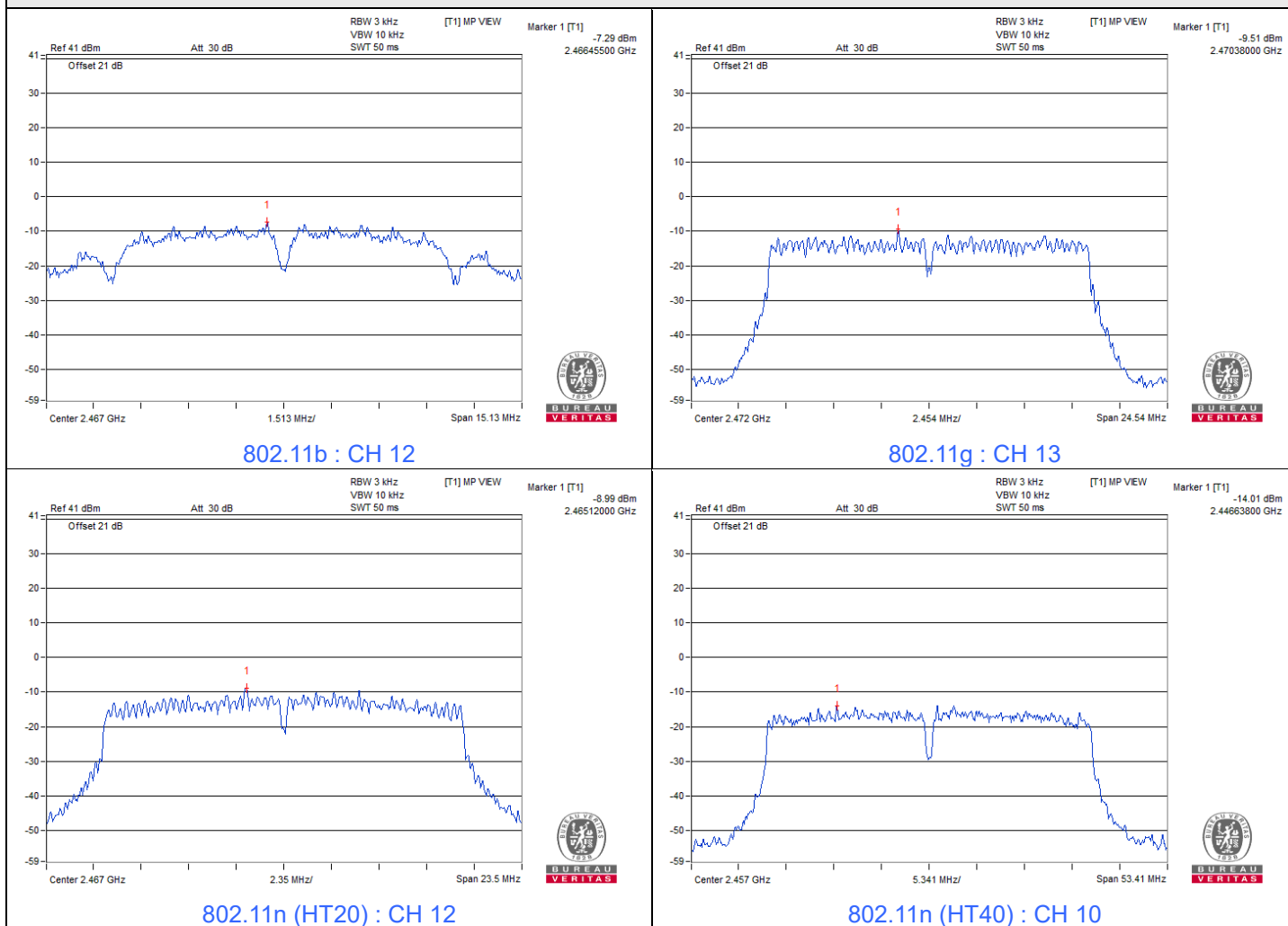
Note: The antenna gain is 3.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
10	2457	-14.01	8	Pass
11	2462	-15.77	8	Pass

Note: The antenna gain is 3.5 dBi < 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
12	2467	10.09	0.5	Pass
13	2472	10.09	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
12	2467	16.07	0.5	Pass
13	2472	16.36	0.5	Pass

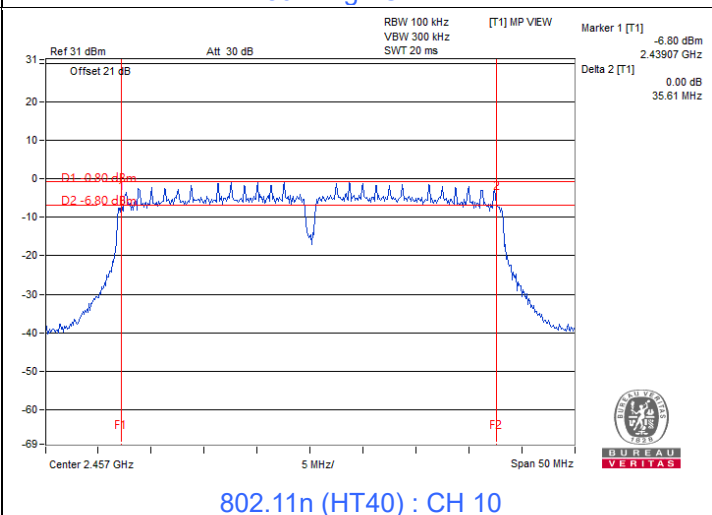
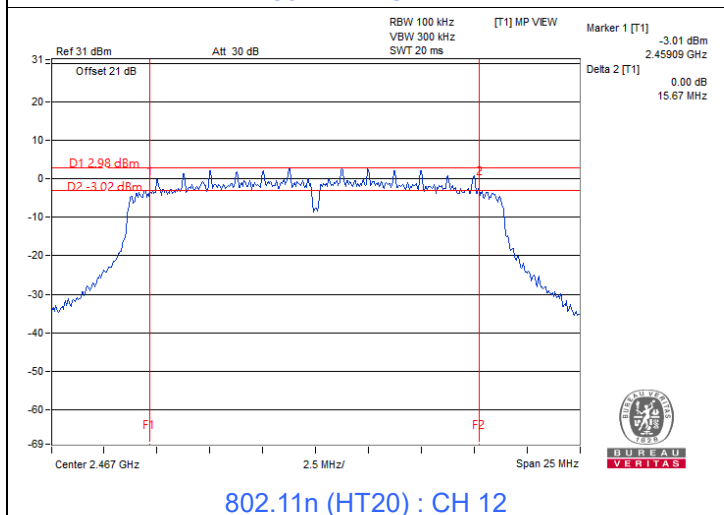
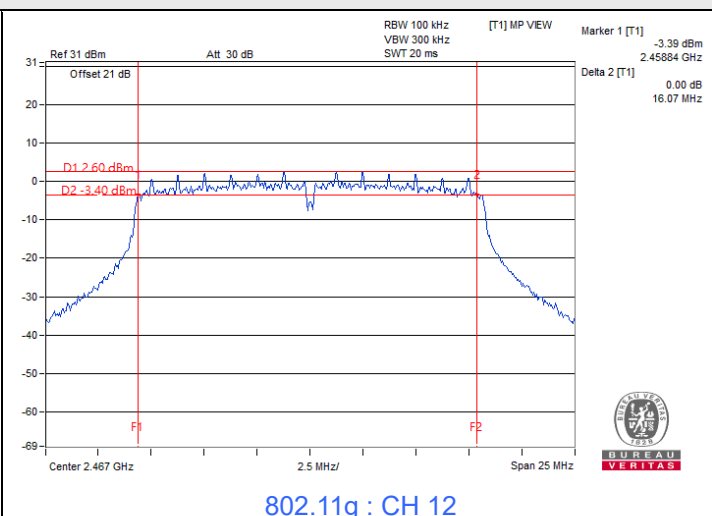
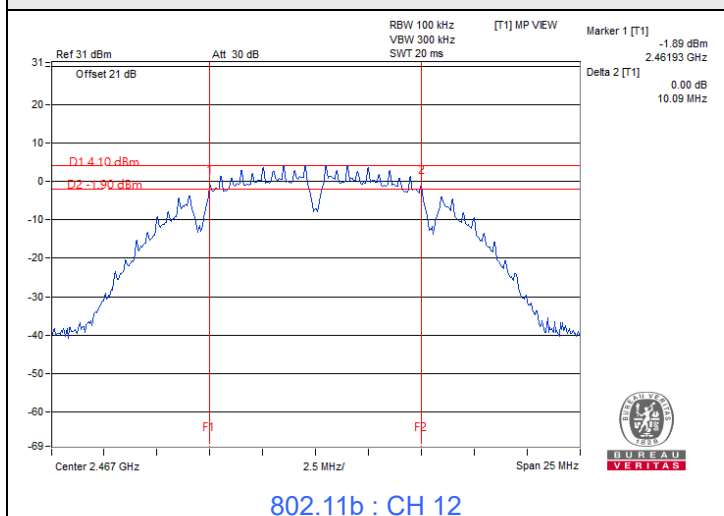
802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
12	2467	15.67	0.5	Pass
13	2472	17.58	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
10	2457	35.61	0.5	Pass
11	2462	35.74	0.5	Pass

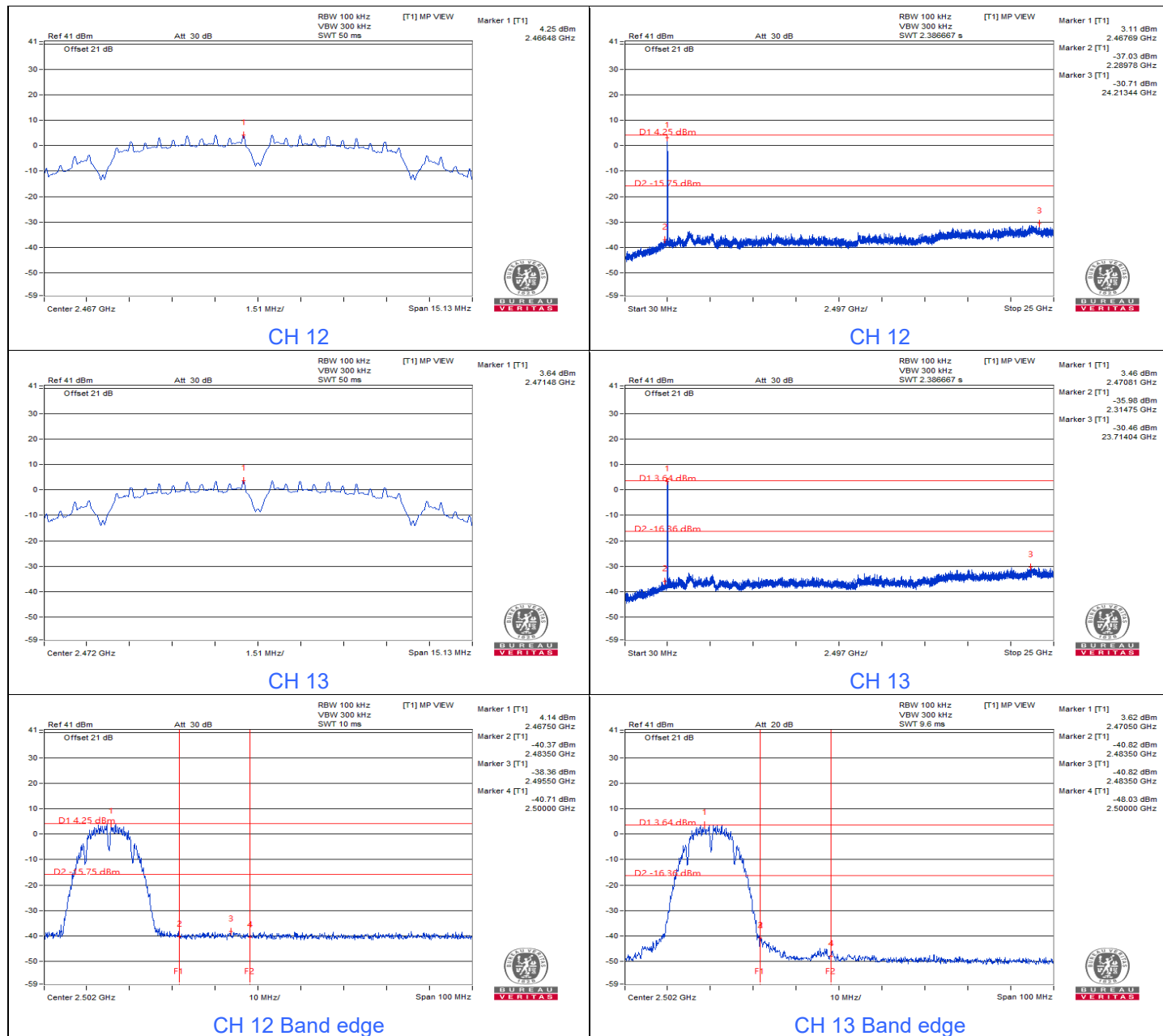
Spectrum Plot of Minimum Value



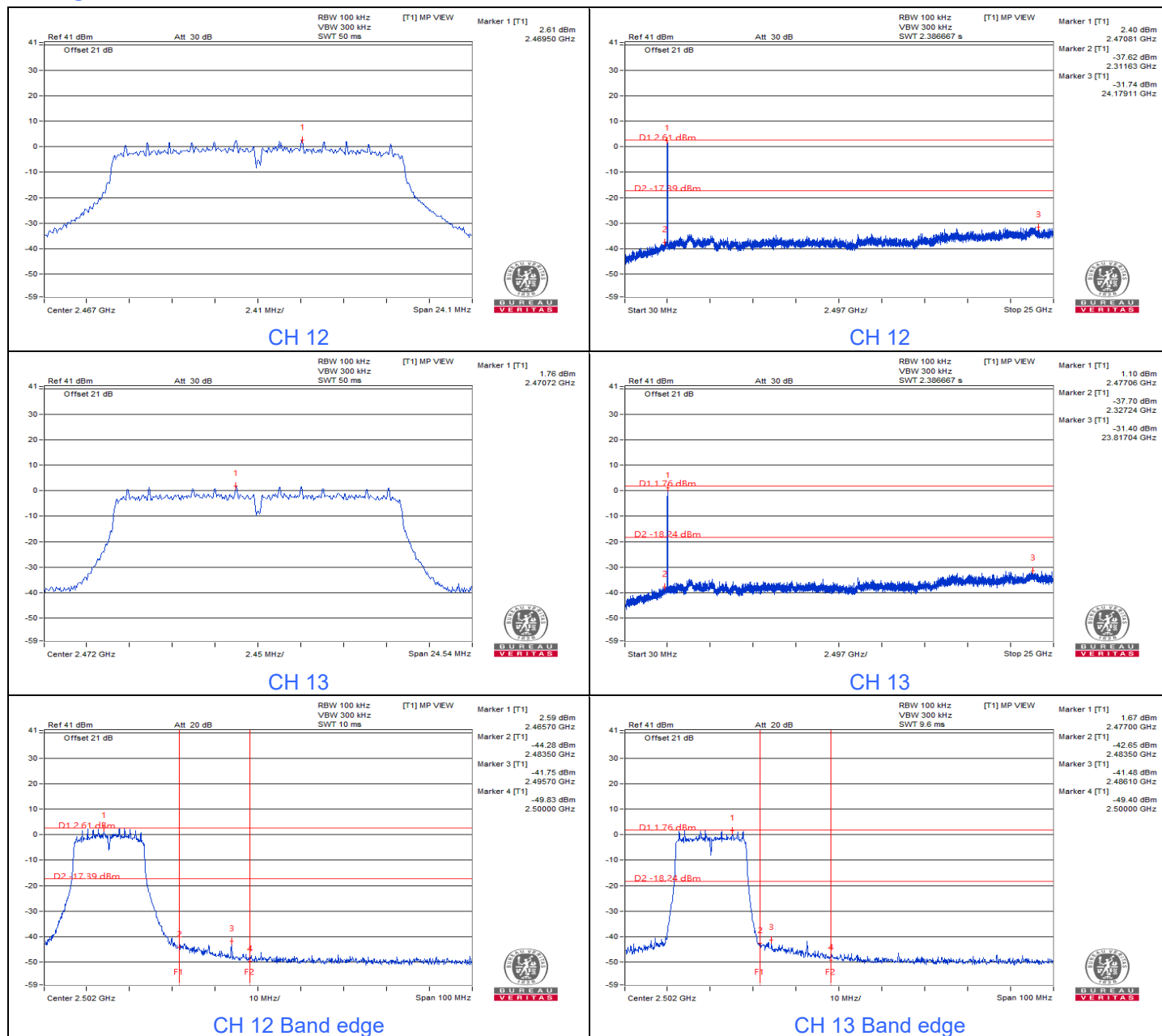
7.4 Conducted Out of Band Emissions

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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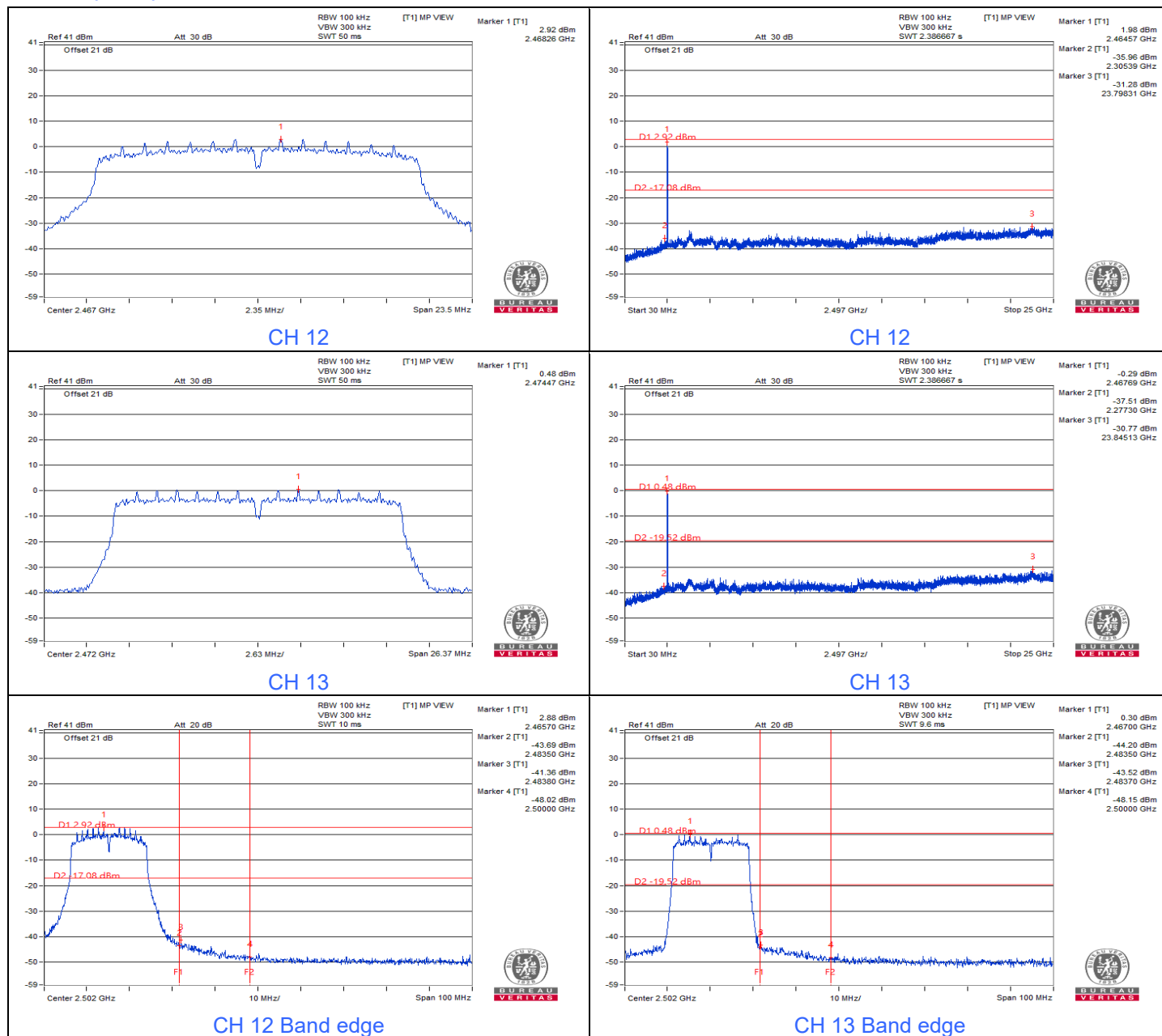
802.11b



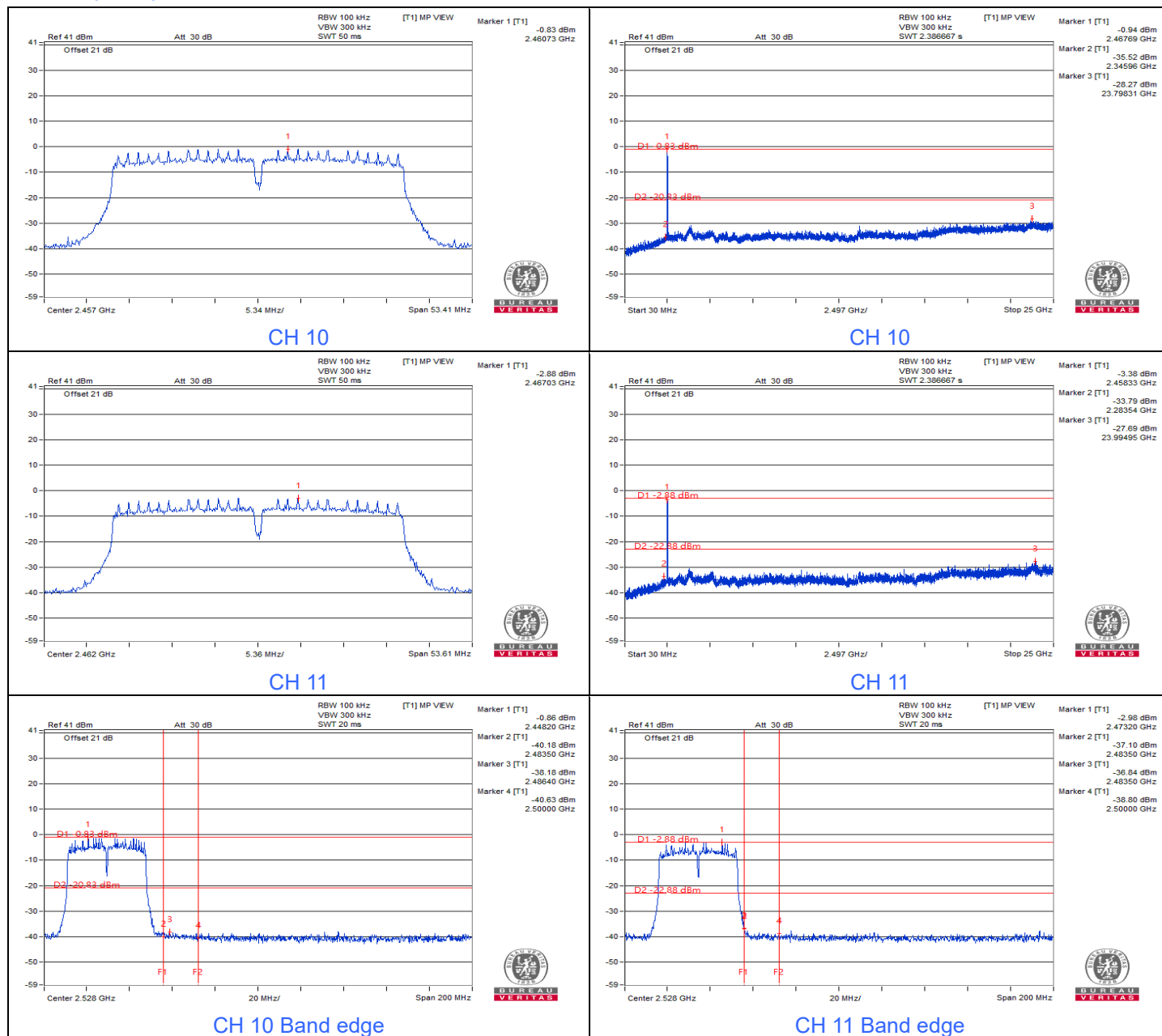
802.11g



802.11n (HT20)



802.11n (HT40)



7.5 AC Power Conducted Emissions

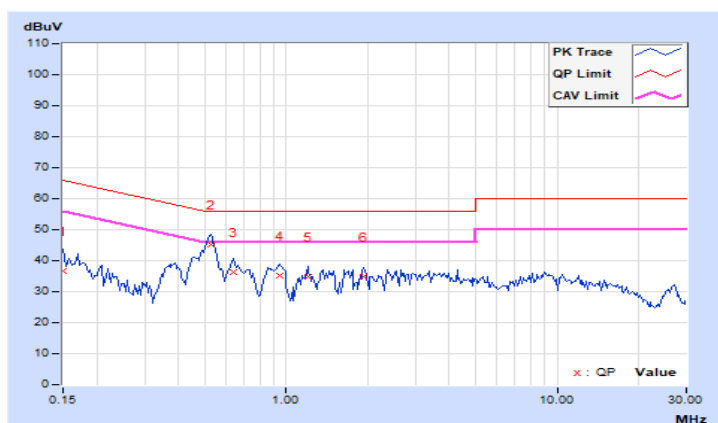
Mode D

RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24°C, 70% RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.98	26.61	13.86	36.59	23.84	66.00	56.00	-29.41	-32.16
2	0.52500	10.00	35.19	28.60	45.19	38.60	56.00	46.00	-10.81	-7.40
3	0.64219	10.01	26.45	19.40	36.46	29.41	56.00	46.00	-19.54	-16.59
4	0.94688	10.03	25.12	17.99	35.15	28.02	56.00	46.00	-20.85	-17.98
5	1.19922	10.04	24.69	17.70	34.73	27.74	56.00	46.00	-21.27	-18.26
6	1.93750	10.10	24.56	17.45	34.66	27.55	56.00	46.00	-21.34	-18.45

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

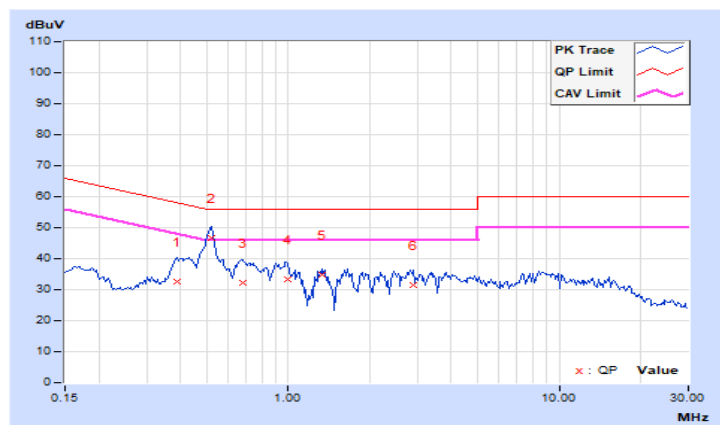


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	24°C, 70% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.38828	10.04	22.60	15.54	32.64	25.58	58.10	48.10	-25.46	-22.52
2	0.52109	10.05	36.50	28.22	46.55	38.27	56.00	46.00	-9.45	-7.73
3	0.68125	10.06	22.17	14.54	32.23	24.60	56.00	46.00	-23.77	-21.40
4	0.98984	10.08	23.09	16.53	33.17	26.61	56.00	46.00	-22.83	-19.39
5	1.33203	10.10	24.54	17.77	34.64	27.87	56.00	46.00	-21.36	-18.13
6	2.91016	10.21	21.45	12.20	31.66	22.41	56.00	46.00	-24.34	-23.59

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



7.6 Unwanted Emissions below 1 GHz

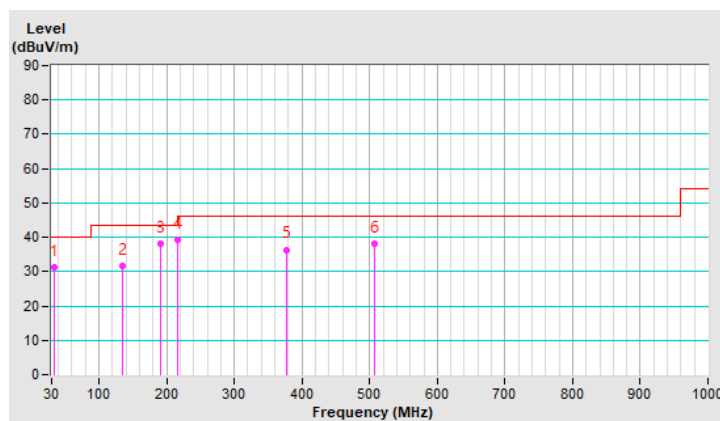
Mode A

RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.29	31.4 QP	40.0	-8.6	1.00 H	300	44.6	-13.2
2	134.97	31.7 QP	43.5	-11.8	1.50 H	269	44.5	-12.8
3	190.17	38.0 QP	43.5	-5.5	2.00 H	15	52.9	-14.9
4	216.01	39.1 QP	46.0	-6.9	2.00 H	277	54.3	-15.2
5	377.96	36.4 QP	46.0	-9.6	1.50 H	199	45.9	-9.5
6	508.04	38.2 QP	46.0	-7.8	1.50 H	276	44.5	-6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

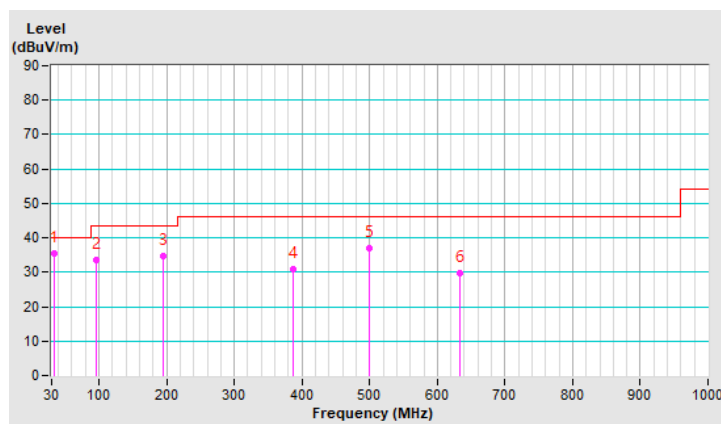


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.46	35.6 QP	40.0	-4.4	1.00 V	230	48.6	-13.0
2	95.96	33.6 QP	43.5	-9.9	2.00 V	210	51.0	-17.4
3	194.12	34.6 QP	43.5	-8.9	1.50 V	157	49.7	-15.1
4	386.26	31.0 QP	46.0	-15.0	1.50 V	93	40.3	-9.3
5	500.01	36.9 QP	46.0	-9.1	1.50 V	360	43.3	-6.4
6	633.56	29.7 QP	46.0	-16.3	1.00 V	219	33.2	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



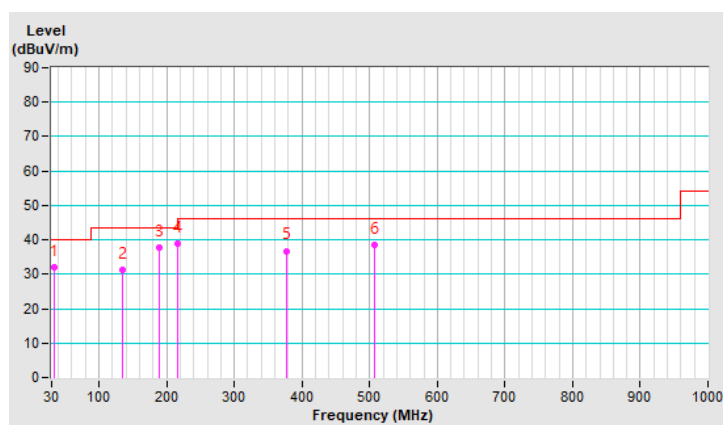
Mode B

RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.01	31.9 QP	40.0	-8.1	1.00 H	299	44.9	-13.0
2	135.66	31.4 QP	43.5	-12.1	2.00 H	259	44.2	-12.8
3	189.89	37.7 QP	43.5	-5.8	1.50 H	10	52.6	-14.9
4	215.87	39.0 QP	43.5	-4.5	1.50 H	280	54.2	-15.2
5	378.07	36.8 QP	46.0	-9.2	2.00 H	188	46.3	-9.5
6	507.93	38.6 QP	46.0	-7.4	1.00 H	247	44.9	-6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

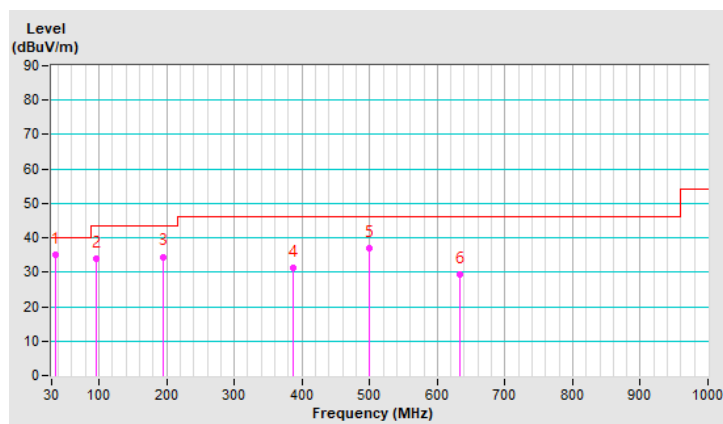


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.97	35.2 QP	40.0	-4.8	1.00 V	243	48.3	-13.1
2	96.18	33.8 QP	43.5	-9.7	1.50 V	253	51.1	-17.3
3	193.94	34.5 QP	43.5	-9.0	2.00 V	167	49.6	-15.1
4	386.59	31.2 QP	46.0	-14.8	1.00 V	105	40.5	-9.3
5	499.99	37.0 QP	46.0	-9.0	1.50 V	355	43.4	-6.4
6	633.32	29.4 QP	46.0	-16.6	1.50 V	237	32.9	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



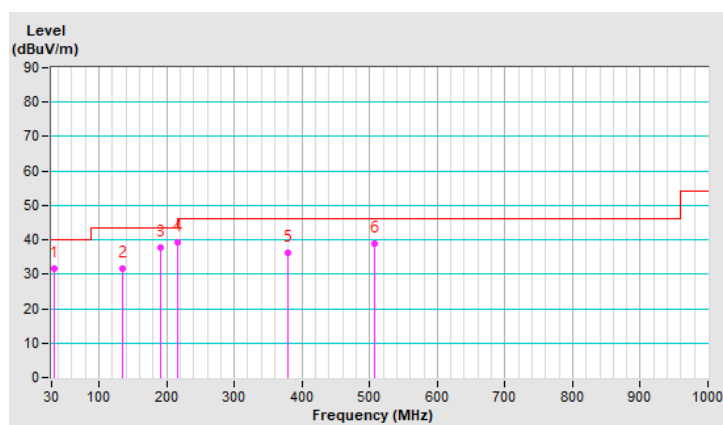
Mode C

RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.75	31.5 QP	40.0	-8.5	1.00 H	333	44.5	-13.0
2	135.39	31.8 QP	43.5	-11.7	1.50 H	250	44.6	-12.8
3	190.11	37.9 QP	43.5	-5.6	1.00 H	5	52.8	-14.9
4	216.06	39.3 QP	46.0	-6.7	1.00 H	288	54.5	-15.2
5	378.29	36.2 QP	46.0	-9.8	1.50 H	197	45.7	-9.5
6	507.71	38.8 QP	46.0	-7.2	1.50 H	255	45.1	-6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

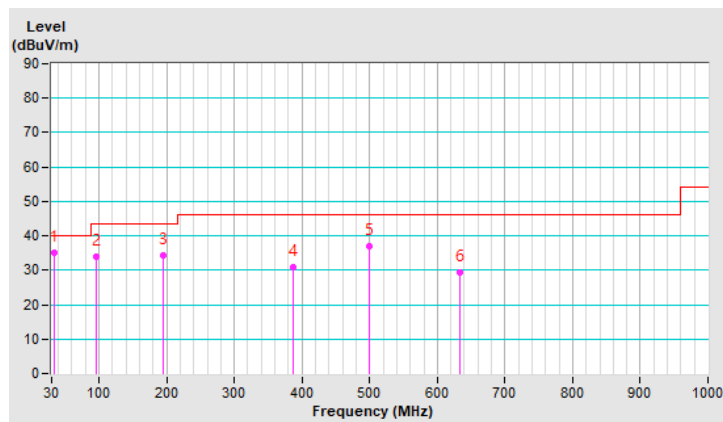


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.98	35.0 QP	40.0	-5.0	1.50 V	210	48.0	-13.0
2	95.89	33.9 QP	43.5	-9.6	2.00 V	231	51.3	-17.4
3	194.09	34.2 QP	43.5	-9.3	2.00 V	177	49.3	-15.1
4	386.80	31.0 QP	46.0	-15.0	1.00 V	95	40.3	-9.3
5	500.18	37.1 QP	46.0	-8.9	2.00 V	350	43.5	-6.4
6	633.15	29.2 QP	46.0	-16.8	1.50 V	255	32.7	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



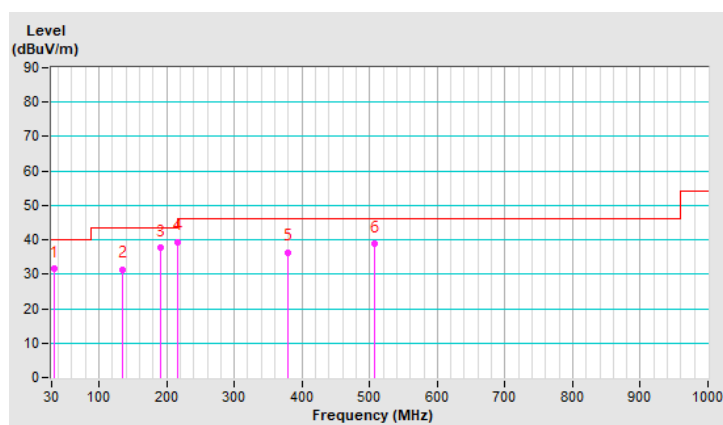
Mode D

RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.81	31.8 QP	40.0	-8.2	1.00 H	311	44.8	-13.0
2	135.27	31.5 QP	43.5	-12.0	2.00 H	264	44.3	-12.8
3	190.20	37.7 QP	43.5	-5.8	1.50 H	0	52.6	-14.9
4	216.26	39.5 QP	46.0	-6.5	1.00 H	272	54.7	-15.2
5	378.42	36.4 QP	46.0	-9.6	1.00 H	187	45.9	-9.5
6	507.85	38.9 QP	46.0	-7.1	2.00 H	217	45.2	-6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

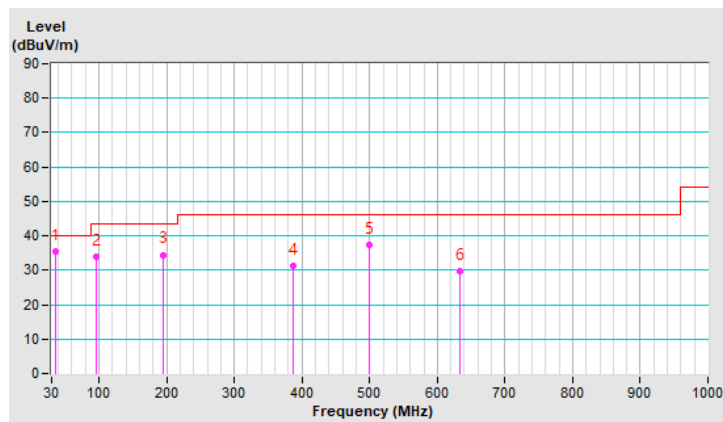


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 61% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	35.02	35.4 QP	40.0	-4.6	1.00 V	247	48.5	-13.1
2	95.99	33.8 QP	43.5	-9.7	1.50 V	256	51.2	-17.4
3	193.98	34.5 QP	43.5	-9.0	1.50 V	188	49.6	-15.1
4	386.46	31.2 QP	46.0	-14.8	1.50 V	70	40.5	-9.3
5	499.93	37.3 QP	46.0	-8.7	1.50 V	333	43.7	-6.4
6	632.99	29.7 QP	46.0	-16.3	1.50 V	247	33.2	-3.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.7 Unwanted Emissions above 1 GHz

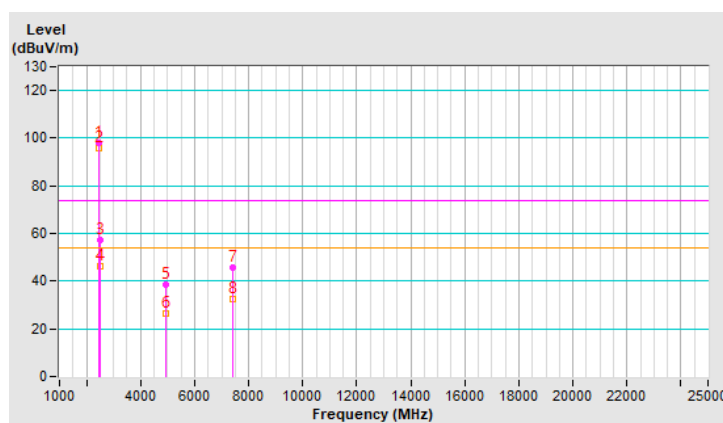
Mode A

RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	98.2 PK			3.47 H	164	100.8	-2.6
2	*2467.00	95.6 AV			3.47 H	164	98.2	-2.6
3	2492.30	57.1 PK	74.0	-16.9	3.47 H	164	59.7	-2.6
4	2492.30	46.1 AV	54.0	-7.9	3.47 H	164	48.7	-2.6
5	4934.00	38.3 PK	74.0	-35.7	2.69 H	213	36.7	1.6
6	4934.00	26.5 AV	54.0	-27.5	2.69 H	213	24.9	1.6
7	7401.00	45.7 PK	74.0	-28.3	1.87 H	291	38.1	7.6
8	7401.00	32.3 AV	54.0	-21.7	1.87 H	291	24.7	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

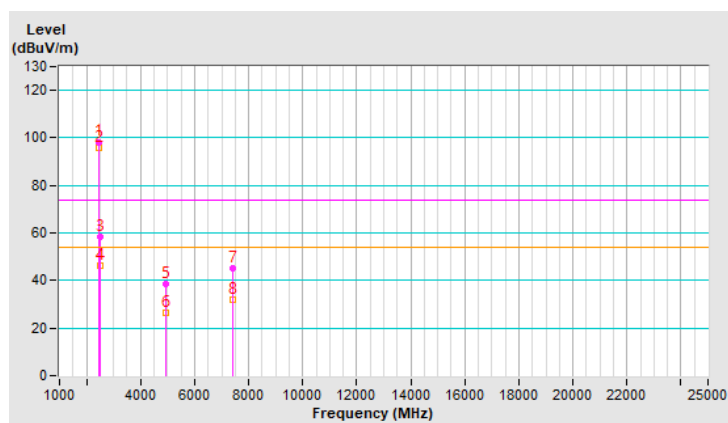


RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	98.3 PK			1.54 V	301	100.9	-2.6
2	*2467.00	95.6 AV			1.54 V	301	98.2	-2.6
3	2492.30	58.4 PK	74.0	-15.6	1.54 V	301	61.0	-2.6
4	2492.30	46.4 AV	54.0	-7.6	1.54 V	301	49.0	-2.6
5	4934.00	38.4 PK	74.0	-35.6	2.28 V	261	36.8	1.6
6	4934.00	26.5 AV	54.0	-27.5	2.28 V	261	24.9	1.6
7	7401.00	44.9 PK	74.0	-29.1	1.46 V	108	37.3	7.6
8	7401.00	31.7 AV	54.0	-22.3	1.46 V	108	24.1	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

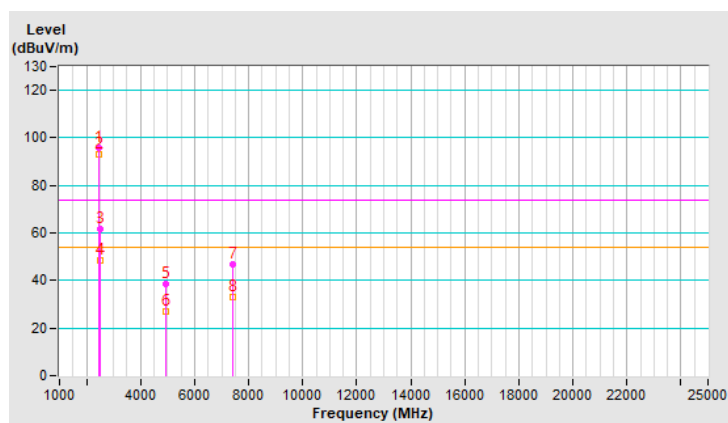


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	95.9 PK			1.51 H	176	98.5	-2.6
2	*2472.00	93.2 AV			1.51 H	176	95.8	-2.6
3	2485.70	61.6 PK	74.0	-12.4	1.51 H	176	64.2	-2.6
4	2485.70	48.4 AV	54.0	-5.6	1.51 H	176	51.0	-2.6
5	4944.00	38.7 PK	74.0	-35.3	2.66 H	206	37.1	1.6
6	4944.00	27.2 AV	54.0	-26.8	2.66 H	206	25.6	1.6
7	7416.00	46.6 PK	74.0	-27.4	1.86 H	287	38.9	7.7
8	7416.00	33.1 AV	54.0	-20.9	1.86 H	287	25.4	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

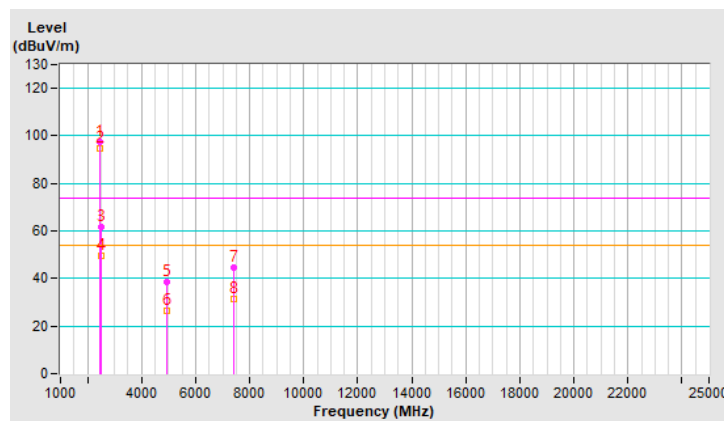


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	97.6 PK			1.50 V	335	100.2	-2.6
2	*2472.00	94.7 AV			1.50 V	335	97.3	-2.6
3	2486.70	61.7 PK	74.0	-12.3	1.50 V	335	64.3	-2.6
4	2486.70	49.4 AV	54.0	-4.6	1.50 V	335	52.0	-2.6
5	4944.00	38.4 PK	74.0	-35.6	2.30 V	269	36.8	1.6
6	4944.00	26.6 AV	54.0	-27.4	2.30 V	269	25.0	1.6
7	7416.00	44.8 PK	74.0	-29.2	1.48 V	104	37.1	7.7
8	7416.00	31.6 AV	54.0	-22.4	1.48 V	104	23.9	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

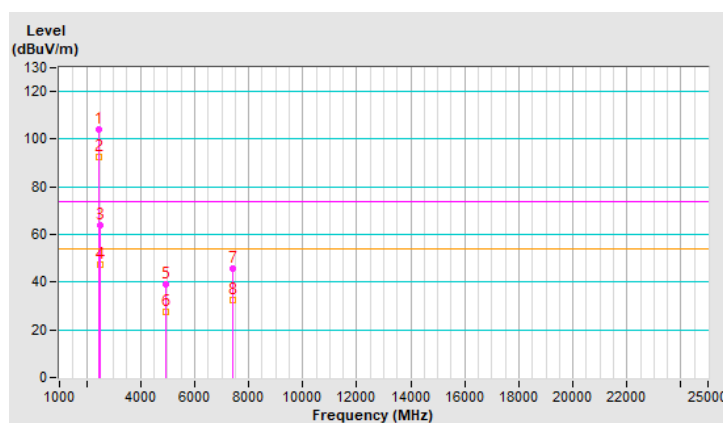


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	103.9 PK			2.28 H	188	106.5	-2.6
2	*2467.00	92.6 AV			2.28 H	188	95.2	-2.6
3	2483.50	63.9 PK	74.0	-10.1	2.28 H	188	66.5	-2.6
4	2483.50	47.5 AV	54.0	-6.5	2.28 H	188	50.1	-2.6
5	4934.00	39.1 PK	74.0	-34.9	2.70 H	216	37.5	1.6
6	4934.00	27.3 AV	54.0	-26.7	2.70 H	216	25.7	1.6
7	7401.00	45.8 PK	74.0	-28.2	1.87 H	320	38.2	7.6
8	7401.00	32.4 AV	54.0	-21.6	1.87 H	320	24.8	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

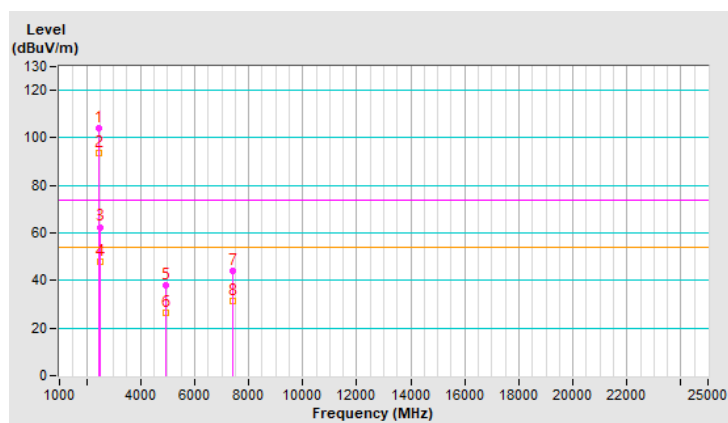


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	104.0 PK			1.00 V	84	106.6	-2.6
2	*2467.00	93.7 AV			1.00 V	84	96.3	-2.6
3	2483.50	62.5 PK	74.0	-11.5	1.00 V	84	65.1	-2.6
4	2483.50	47.7 AV	54.0	-6.3	1.00 V	84	50.3	-2.6
5	4934.00	38.2 PK	74.0	-35.8	2.31 V	273	36.6	1.6
6	4934.00	26.5 AV	54.0	-27.5	2.31 V	273	24.9	1.6
7	7401.00	44.1 PK	74.0	-29.9	1.51 V	96	36.5	7.6
8	7401.00	31.2 AV	54.0	-22.8	1.51 V	96	23.6	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

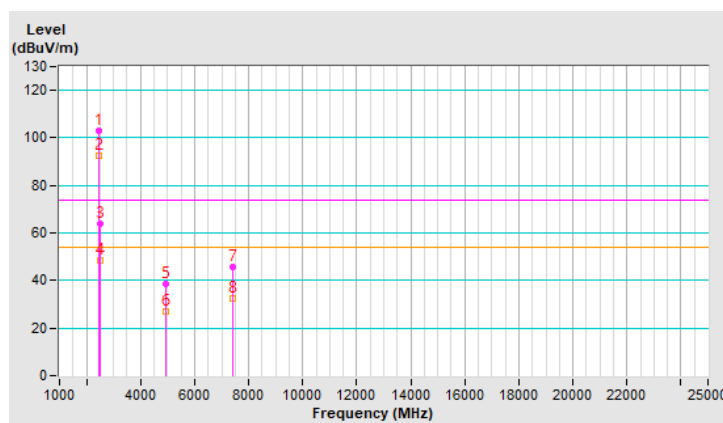


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	103.1 PK			2.70 H	188	105.7	-2.6
2	*2472.00	92.5 AV			2.70 H	188	95.1	-2.6
3	2483.50	63.9 PK	74.0	-10.1	2.70 H	188	66.5	-2.6
4	2483.50	48.7 AV	54.0	-5.3	2.70 H	188	51.3	-2.6
5	4944.00	38.7 PK	74.0	-35.3	2.68 H	204	37.1	1.6
6	4944.00	27.2 AV	54.0	-26.8	2.68 H	204	25.6	1.6
7	7416.00	45.6 PK	74.0	-28.4	1.89 H	295	37.9	7.7
8	7416.00	32.3 AV	54.0	-21.7	1.89 H	295	24.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

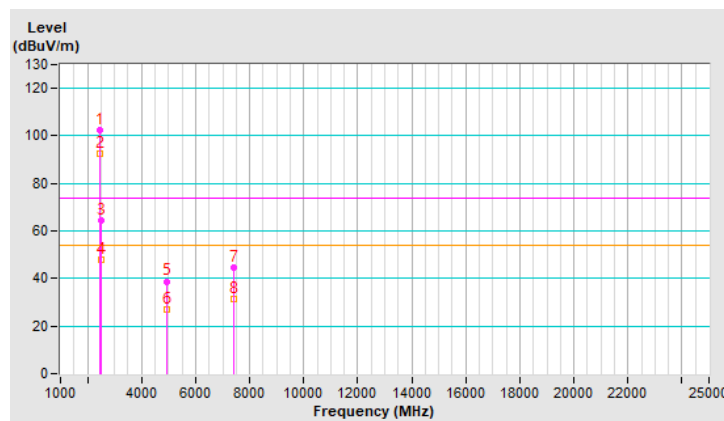


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	102.3 PK			1.54 V	302	104.9	-2.6
2	*2472.00	92.3 AV			1.54 V	302	94.9	-2.6
3	2483.50	64.4 PK	74.0	-9.6	1.54 V	302	67.0	-2.6
4	2483.50	48.1 AV	54.0	-5.9	1.54 V	302	50.7	-2.6
5	4944.00	38.8 PK	74.0	-35.2	2.33 V	277	37.2	1.6
6	4944.00	27.0 AV	54.0	-27.0	2.33 V	277	25.4	1.6
7	7416.00	44.7 PK	74.0	-29.3	1.43 V	104	37.0	7.7
8	7416.00	31.6 AV	54.0	-22.4	1.43 V	104	23.9	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

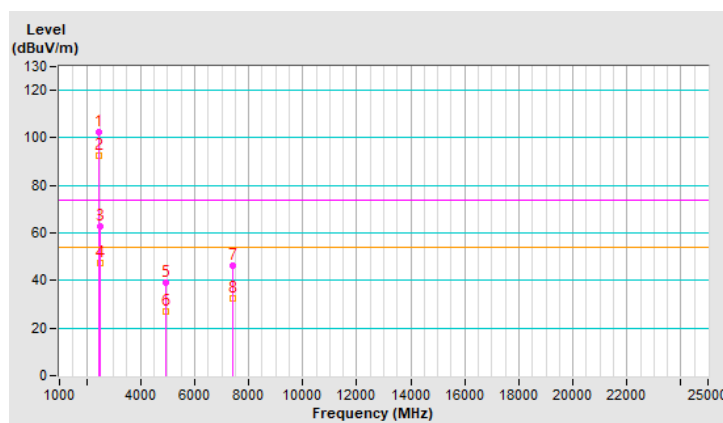


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.6 PK			2.28 H	186	105.2	-2.6
2	*2467.00	92.7 AV			2.28 H	186	95.3	-2.6
3	2483.50	62.9 PK	74.0	-11.1	2.28 H	186	65.5	-2.6
4	2483.50	47.5 AV	54.0	-6.5	2.28 H	186	50.1	-2.6
5	4934.00	39.0 PK	74.0	-35.0	2.66 H	214	37.4	1.6
6	4934.00	27.0 AV	54.0	-27.0	2.66 H	214	25.4	1.6
7	7401.00	46.4 PK	74.0	-27.6	1.82 H	302	38.8	7.6
8	7401.00	32.7 AV	54.0	-21.3	1.82 H	302	25.1	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

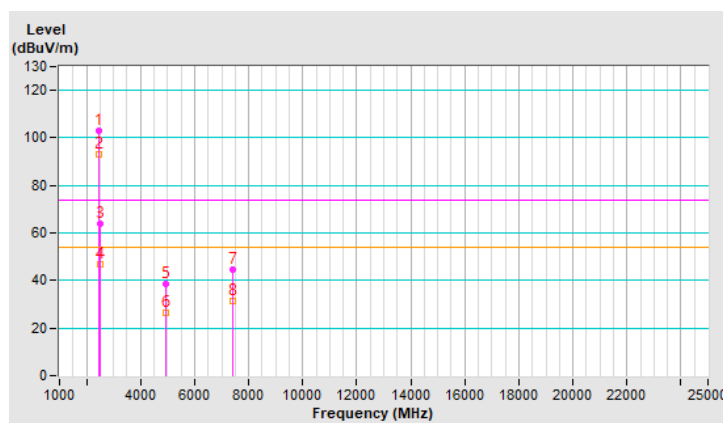


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.9 PK			1.34 V	82	105.5	-2.6
2	*2467.00	93.3 AV			1.34 V	82	95.9	-2.6
3	2483.50	63.8 PK	74.0	-10.2	1.34 V	82	66.4	-2.6
4	2483.50	46.9 AV	54.0	-7.1	1.34 V	82	49.5	-2.6
5	4934.00	38.4 PK	74.0	-35.6	2.25 V	269	36.8	1.6
6	4934.00	26.5 AV	54.0	-27.5	2.25 V	269	24.9	1.6
7	7401.00	44.8 PK	74.0	-29.2	1.46 V	98	37.2	7.6
8	7401.00	31.3 AV	54.0	-22.7	1.46 V	98	23.7	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

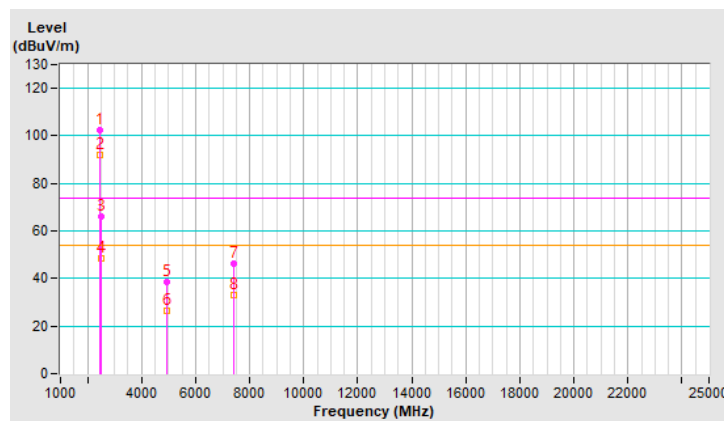


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	102.2 PK			2.29 H	187	104.8	-2.6
2	*2472.00	92.1 AV			2.29 H	187	94.7	-2.6
3	2485.24	65.9 PK	74.0	-8.1	2.29 H	187	68.5	-2.6
4	2485.24	48.5 AV	54.0	-5.5	2.29 H	187	51.1	-2.6
5	4944.00	38.7 PK	74.0	-35.3	2.72 H	205	37.1	1.6
6	4944.00	26.6 AV	54.0	-27.4	2.72 H	205	25.0	1.6
7	7416.00	46.3 PK	74.0	-27.7	1.85 H	315	38.6	7.7
8	7416.00	32.9 AV	54.0	-21.1	1.85 H	315	25.2	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

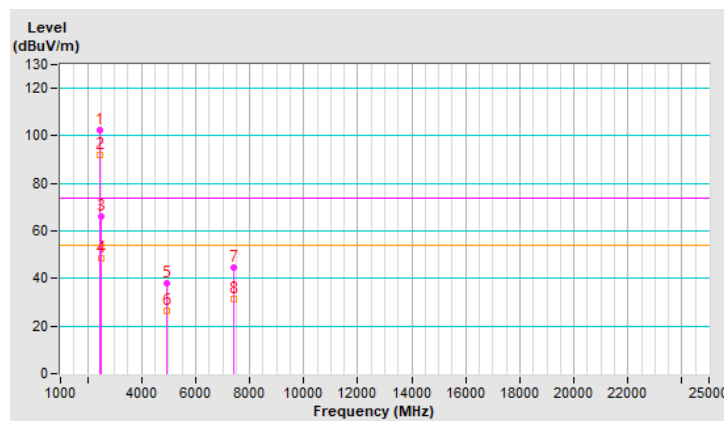


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	102.6 PK			1.52 V	301	105.2	-2.6
2	*2472.00	92.2 AV			1.52 V	301	94.8	-2.6
3	2485.24	66.0 PK	74.0	-8.0	1.52 V	301	68.6	-2.6
4	2485.24	48.3 AV	54.0	-5.7	1.52 V	301	50.9	-2.6
5	4944.00	38.2 PK	74.0	-35.8	2.35 V	265	36.6	1.6
6	4944.00	26.4 AV	54.0	-27.6	2.35 V	265	24.8	1.6
7	7416.00	44.6 PK	74.0	-29.4	1.48 V	89	36.9	7.7
8	7416.00	31.4 AV	54.0	-22.6	1.48 V	89	23.7	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

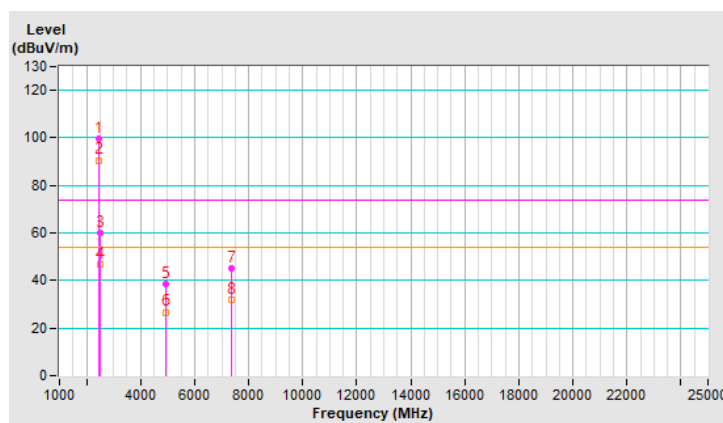


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	99.6 PK			1.01 H	29	102.2	-2.6
2	*2457.00	90.6 AV			1.01 H	29	93.2	-2.6
3	2483.50	60.0 PK	74.0	-14.0	1.01 H	29	62.6	-2.6
4	2483.50	46.9 AV	54.0	-7.1	1.01 H	29	49.5	-2.6
5	4914.00	38.6 PK	74.0	-35.4	2.69 H	203	37.0	1.6
6	4914.00	26.7 AV	54.0	-27.3	2.69 H	203	25.1	1.6
7	7371.00	45.4 PK	74.0	-28.6	1.82 H	293	37.9	7.5
8	7371.00	32.1 AV	54.0	-21.9	1.82 H	293	24.6	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

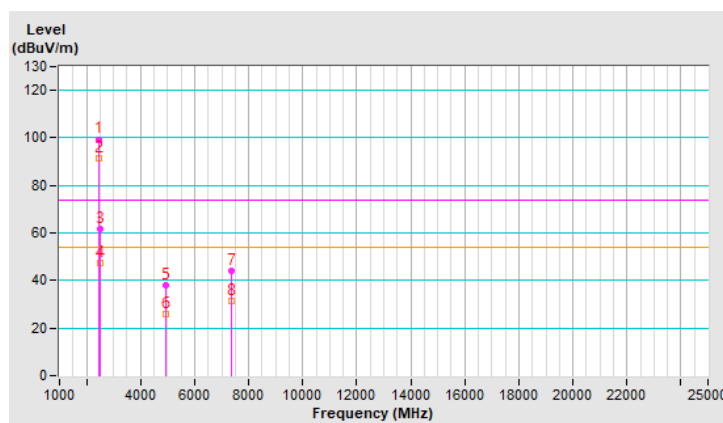


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	99.4 PK			1.60 V	316	102.0	-2.6
2	*2457.00	91.2 AV			1.60 V	316	93.8	-2.6
3	2483.50	61.7 PK	74.0	-12.3	1.60 V	316	64.3	-2.6
4	2483.50	47.4 AV	54.0	-6.6	1.60 V	316	50.0	-2.6
5	4914.00	37.9 PK	74.0	-36.1	2.35 V	270	36.3	1.6
6	4914.00	26.1 AV	54.0	-27.9	2.35 V	270	24.5	1.6
7	7371.00	44.2 PK	74.0	-29.8	1.49 V	116	36.7	7.5
8	7371.00	31.3 AV	54.0	-22.7	1.49 V	116	23.8	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

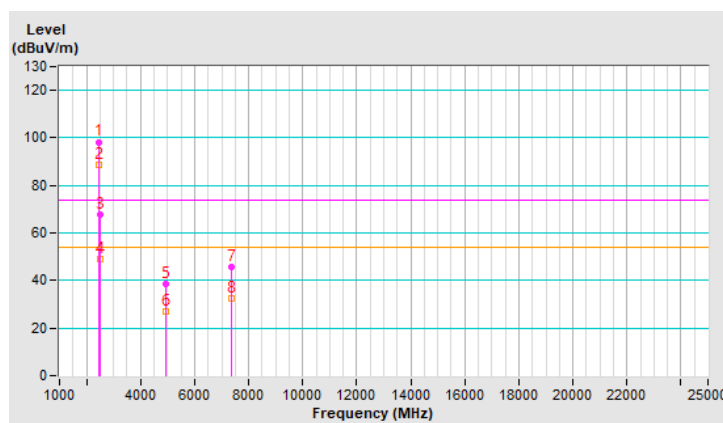


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	98.3 PK			1.59 H	174	100.9	-2.6
2	*2462.00	88.7 AV			1.59 H	174	91.3	-2.6
3	2483.50	67.7 PK	74.0	-6.3	1.59 H	174	70.3	-2.6
4	2483.50	49.0 AV	54.0	-5.0	1.59 H	174	51.6	-2.6
5	4924.00	38.7 PK	74.0	-35.3	2.71 H	214	37.1	1.6
6	4924.00	26.9 AV	54.0	-27.1	2.71 H	214	25.3	1.6
7	7386.00	45.9 PK	74.0	-28.1	1.84 H	307	38.4	7.5
8	7386.00	32.5 AV	54.0	-21.5	1.84 H	307	25.0	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

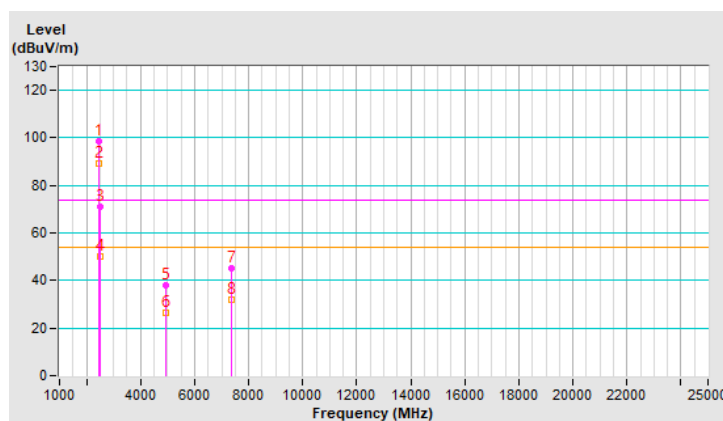


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	98.4 PK			1.50 V	336	101.0	-2.6
2	*2462.00	89.2 AV			1.50 V	336	91.8	-2.6
3	2483.50	71.0 PK	74.0	-3.0	1.50 V	336	73.6	-2.6
4	2483.50	50.0 AV	54.0	-4.0	1.50 V	336	52.6	-2.6
5	4924.00	38.1 PK	74.0	-35.9	2.18 V	272	36.5	1.6
6	4924.00	26.4 AV	54.0	-27.6	2.18 V	272	24.8	1.6
7	7386.00	45.1 PK	74.0	-28.9	1.55 V	104	37.6	7.5
8	7386.00	32.0 AV	54.0	-22.0	1.55 V	104	24.5	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.



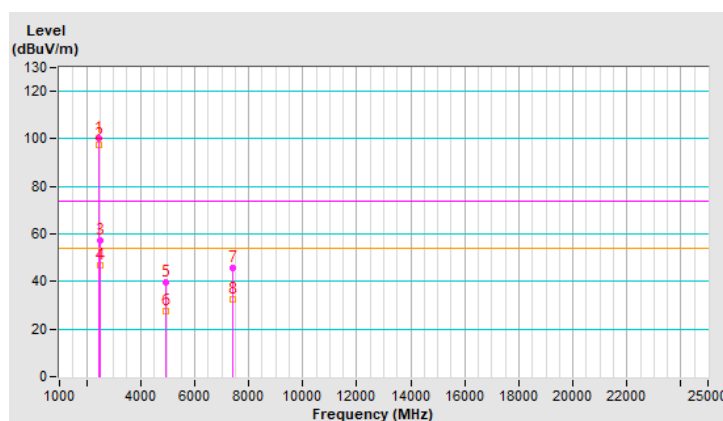
Mode B

RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	100.2 PK			1.25 H	27	102.8	-2.6
2	*2467.00	97.4 AV			1.25 H	27	100.0	-2.6
3	2493.74	57.4 PK	74.0	-16.6	1.25 H	27	60.0	-2.6
4	2493.74	46.6 AV	54.0	-7.4	1.25 H	27	49.2	-2.6
5	4934.00	39.7 PK	74.0	-34.3	2.83 H	183	38.1	1.6
6	4934.00	27.4 AV	54.0	-26.6	2.83 H	183	25.8	1.6
7	7401.00	45.5 PK	74.0	-28.5	1.92 H	233	37.9	7.6
8	7401.00	32.5 AV	54.0	-21.5	1.92 H	233	24.9	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

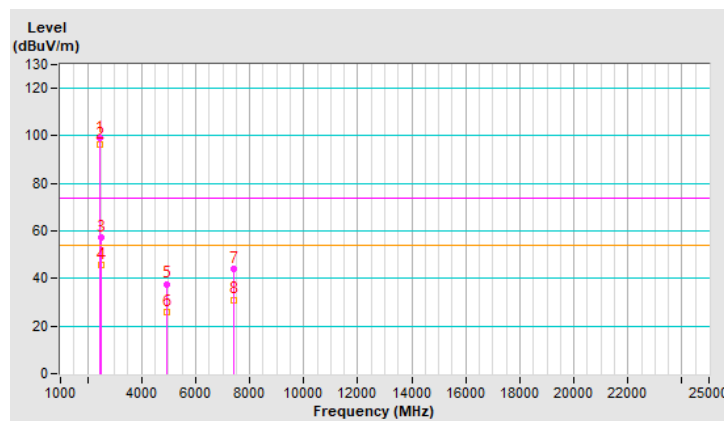


RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	99.2 PK			1.00 V	152	101.8	-2.6
2	*2467.00	96.5 AV			1.00 V	152	99.1	-2.6
3	2493.68	57.5 PK	74.0	-16.5	1.00 V	152	60.1	-2.6
4	2493.68	45.9 AV	54.0	-8.1	1.00 V	152	48.5	-2.6
5	4934.00	37.7 PK	74.0	-36.3	1.91 V	286	36.1	1.6
6	4934.00	25.8 AV	54.0	-28.2	1.91 V	286	24.2	1.6
7	7401.00	44.3 PK	74.0	-29.7	1.70 V	76	36.7	7.6
8	7401.00	31.1 AV	54.0	-22.9	1.70 V	76	23.5	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

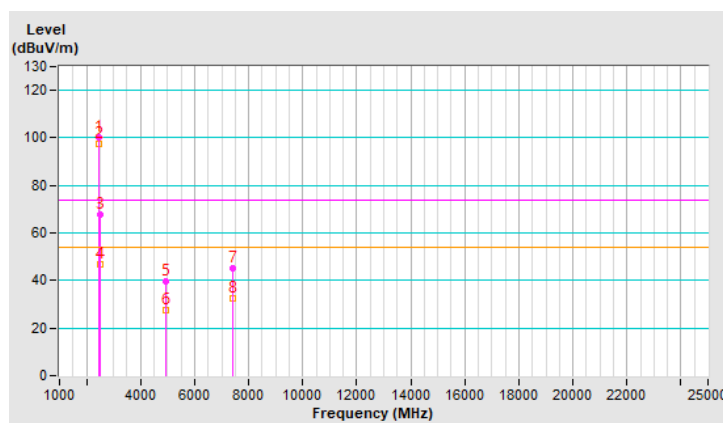


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	100.0 PK			1.27 H	26	102.6	-2.6
2	*2472.00	97.3 AV			1.27 H	26	99.9	-2.6
3	2487.30	67.6 PK	74.0	-6.4	1.27 H	26	70.2	-2.6
4	2487.30	47.0 AV	54.0	-7.0	1.27 H	26	49.6	-2.6
5	4944.00	39.7 PK	74.0	-34.3	2.88 H	187	38.1	1.6
6	4944.00	27.3 AV	54.0	-26.7	2.88 H	187	25.7	1.6
7	7416.00	45.1 PK	74.0	-28.9	1.94 H	228	37.4	7.7
8	7416.00	32.5 AV	54.0	-21.5	1.94 H	228	24.8	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

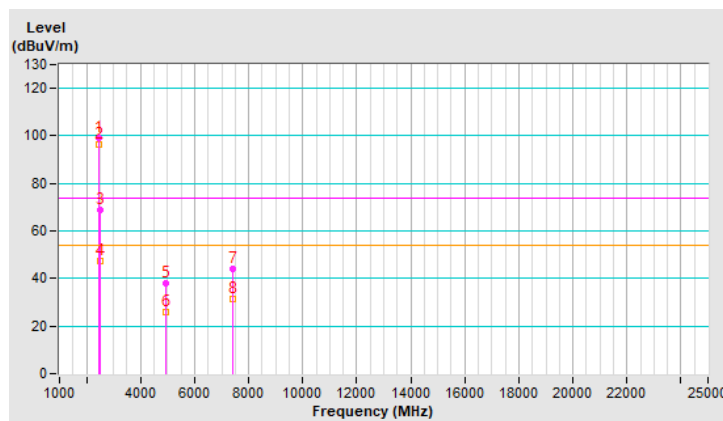


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	99.2 PK			1.02 V	153	101.8	-2.6
2	*2472.00	96.4 AV			1.02 V	153	99.0	-2.6
3	2487.20	68.7 PK	74.0	-5.3	1.02 V	153	71.3	-2.6
4	2487.20	47.4 AV	54.0	-6.6	1.02 V	153	50.0	-2.6
5	4944.00	37.8 PK	74.0	-36.2	1.90 V	286	36.2	1.6
6	4944.00	26.1 AV	54.0	-27.9	1.90 V	286	24.5	1.6
7	7416.00	44.3 PK	74.0	-29.7	1.66 V	65	36.6	7.7
8	7416.00	31.3 AV	54.0	-22.7	1.66 V	65	23.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

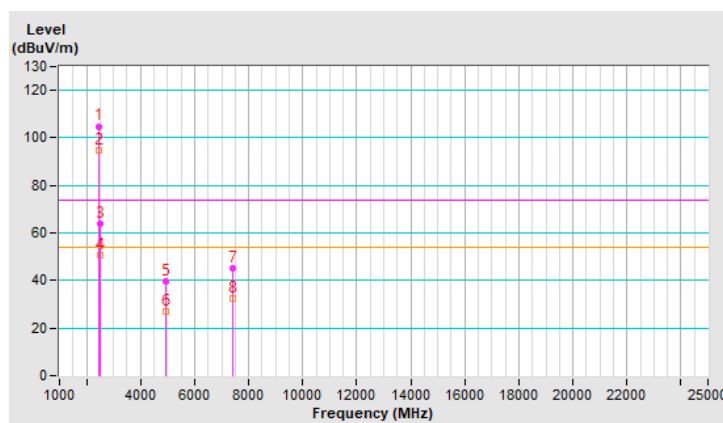


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	104.9 PK			2.02 H	171	107.5	-2.6
2	*2467.00	94.9 AV			2.02 H	171	97.5	-2.6
3	2483.50	64.1 PK	74.0	-9.9	2.02 H	171	66.7	-2.6
4	2483.50	50.7 AV	54.0	-3.3	2.02 H	171	53.3	-2.6
5	4934.00	39.4 PK	74.0	-34.6	2.87 H	174	37.8	1.6
6	4934.00	26.9 AV	54.0	-27.1	2.87 H	174	25.3	1.6
7	7401.00	45.4 PK	74.0	-28.6	1.95 H	238	37.8	7.6
8	7401.00	32.5 AV	54.0	-21.5	1.95 H	238	24.9	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

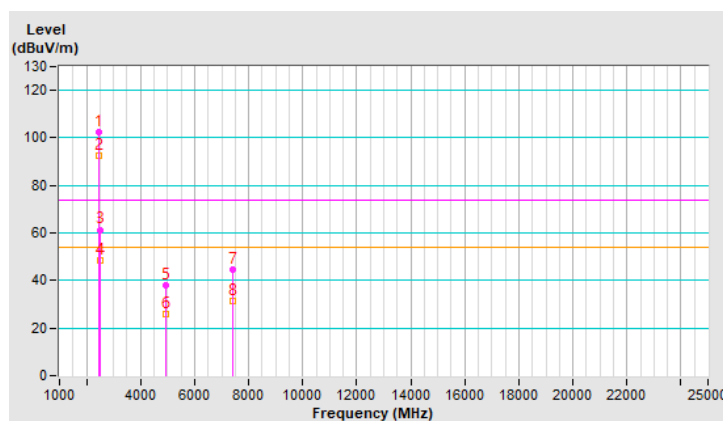


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.2 PK			2.14 V	168	104.8	-2.6
2	*2467.00	92.3 AV			2.14 V	168	94.9	-2.6
3	2483.50	61.4 PK	74.0	-12.6	2.14 V	168	64.0	-2.6
4	2483.50	48.3 AV	54.0	-5.7	2.14 V	168	50.9	-2.6
5	4934.00	37.9 PK	74.0	-36.1	1.91 V	277	36.3	1.6
6	4934.00	25.9 AV	54.0	-28.1	1.91 V	277	24.3	1.6
7	7401.00	44.4 PK	74.0	-29.6	1.70 V	81	36.8	7.6
8	7401.00	31.2 AV	54.0	-22.8	1.70 V	81	23.6	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

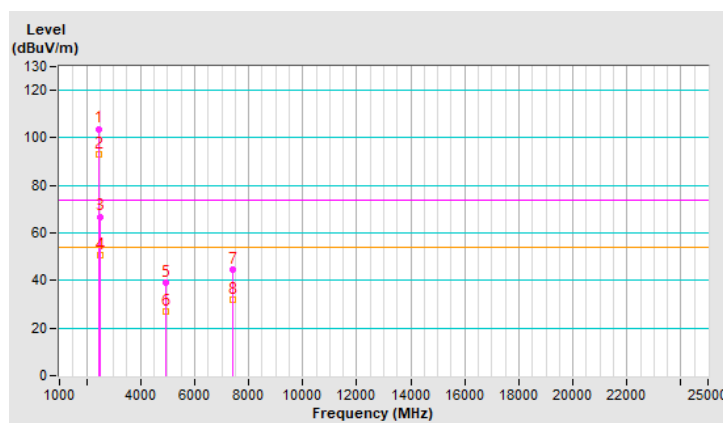


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	103.8 PK			3.14 H	176	106.4	-2.6
2	*2472.00	93.2 AV			3.14 H	176	95.8	-2.6
3	2483.50	66.9 PK	74.0	-7.1	3.14 H	176	69.5	-2.6
4	2483.50	50.6 AV	54.0	-3.4	3.14 H	176	53.2	-2.6
5	4944.00	39.2 PK	74.0	-34.8	3.12 H	179	37.6	1.6
6	4944.00	26.9 AV	54.0	-27.1	3.12 H	179	25.3	1.6
7	7416.00	44.4 PK	74.0	-29.6	2.02 H	216	36.7	7.7
8	7416.00	31.9 AV	54.0	-22.1	2.02 H	216	24.2	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

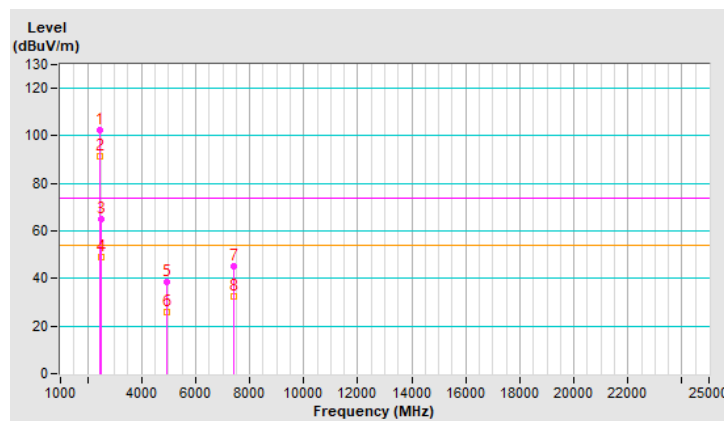


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	102.5 PK			3.55 V	132	105.1	-2.6
2	*2472.00	91.4 AV			3.55 V	132	94.0	-2.6
3	2483.50	65.0 PK	74.0	-9.0	3.55 V	132	67.6	-2.6
4	2483.50	48.9 AV	54.0	-5.1	3.55 V	132	51.5	-2.6
5	4944.00	38.4 PK	74.0	-35.6	1.81 V	285	36.8	1.6
6	4944.00	26.0 AV	54.0	-28.0	1.81 V	285	24.4	1.6
7	7416.00	45.3 PK	74.0	-28.7	1.52 V	118	37.6	7.7
8	7416.00	32.3 AV	54.0	-21.7	1.52 V	118	24.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

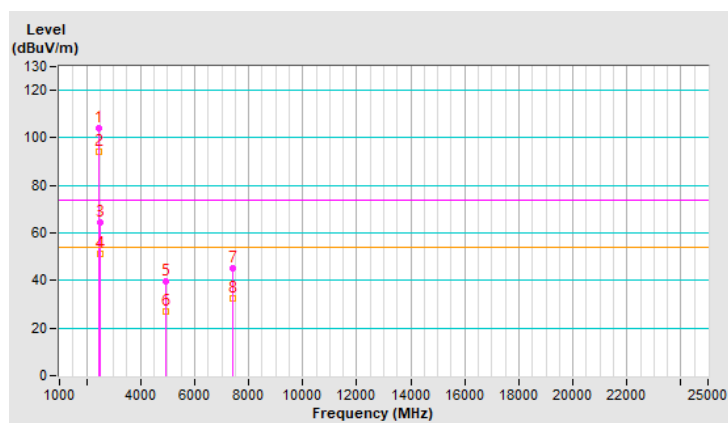


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	104.0 PK			2.01 H	171	106.6	-2.6
2	*2467.00	94.3 AV			2.01 H	171	96.9	-2.6
3	2483.50	64.4 PK	74.0	-9.6	2.01 H	171	67.0	-2.6
4	2483.50	51.0 AV	54.0	-3.0	2.01 H	171	53.6	-2.6
5	4934.00	39.6 PK	74.0	-34.4	2.96 H	181	38.0	1.6
6	4934.00	27.2 AV	54.0	-26.8	2.96 H	181	25.6	1.6
7	7401.00	45.3 PK	74.0	-28.7	1.97 H	237	37.7	7.6
8	7401.00	32.4 AV	54.0	-21.6	1.97 H	237	24.8	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

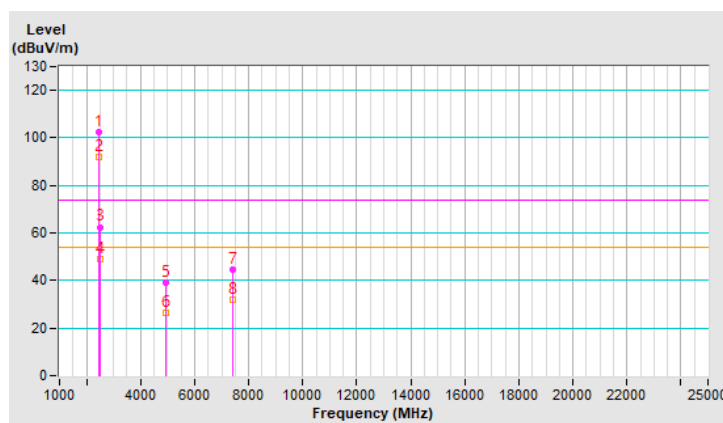


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.5 PK			2.14 V	168	105.1	-2.6
2	*2467.00	92.2 AV			2.14 V	168	94.8	-2.6
3	2483.50	62.5 PK	74.0	-11.5	2.14 V	168	65.1	-2.6
4	2483.50	48.8 AV	54.0	-5.2	2.14 V	168	51.4	-2.6
5	4934.00	38.9 PK	74.0	-35.1	1.91 V	271	37.3	1.6
6	4934.00	26.5 AV	54.0	-27.5	1.91 V	271	24.9	1.6
7	7401.00	44.8 PK	74.0	-29.2	1.71 V	67	37.2	7.6
8	7401.00	31.9 AV	54.0	-22.1	1.71 V	67	24.3	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

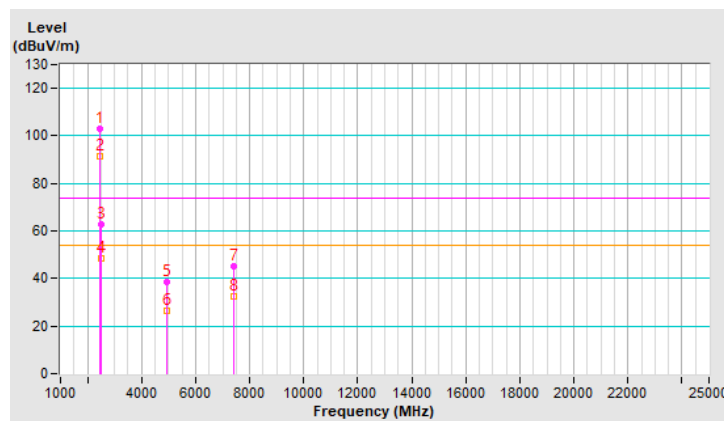


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	102.8 PK			3.50 H	168	105.4	-2.6
2	*2472.00	91.5 AV			3.50 H	168	94.1	-2.6
3	2483.50	62.9 PK	74.0	-11.1	3.50 H	168	65.5	-2.6
4	2483.50	48.7 AV	54.0	-5.3	3.50 H	168	51.3	-2.6
5	4944.00	38.4 PK	74.0	-35.6	3.13 H	172	36.8	1.6
6	4944.00	26.4 AV	54.0	-27.6	3.13 H	172	24.8	1.6
7	7416.00	45.0 PK	74.0	-29.0	1.99 H	231	37.3	7.7
8	7416.00	32.3 AV	54.0	-21.7	1.99 H	231	24.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

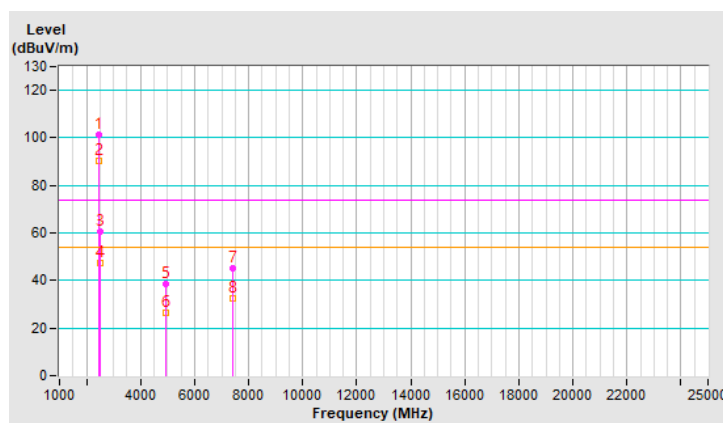


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	101.4 PK			3.54 V	130	104.0	-2.6
2	*2472.00	90.2 AV			3.54 V	130	92.8	-2.6
3	2483.50	60.4 PK	74.0	-13.6	3.54 V	130	63.0	-2.6
4	2483.50	47.1 AV	54.0	-6.9	3.54 V	130	49.7	-2.6
5	4944.00	38.7 PK	74.0	-35.3	1.77 V	272	37.1	1.6
6	4944.00	26.2 AV	54.0	-27.8	1.77 V	272	24.6	1.6
7	7416.00	45.3 PK	74.0	-28.7	1.49 V	128	37.6	7.7
8	7416.00	32.5 AV	54.0	-21.5	1.49 V	128	24.8	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

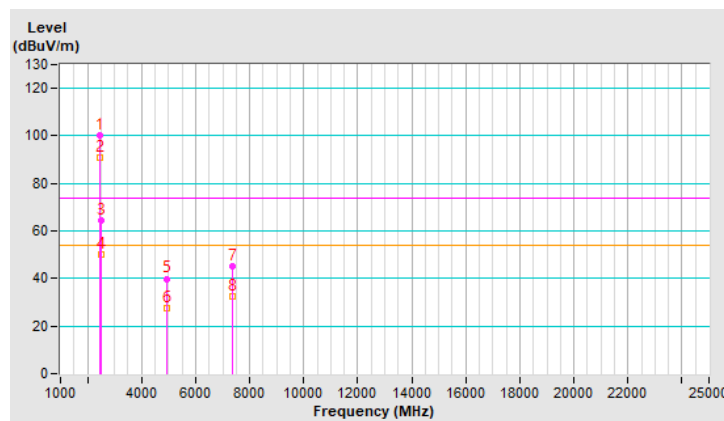


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	100.0 PK			2.33 H	174	102.6	-2.6
2	*2457.00	91.0 AV			2.33 H	174	93.6	-2.6
3	2483.50	64.6 PK	74.0	-9.4	2.33 H	174	67.2	-2.6
4	2483.50	50.3 AV	54.0	-3.7	2.33 H	174	52.9	-2.6
5	4914.00	39.9 PK	74.0	-34.1	2.91 H	190	38.3	1.6
6	4914.00	27.5 AV	54.0	-26.5	2.91 H	190	25.9	1.6
7	7371.00	45.2 PK	74.0	-28.8	1.94 H	263	37.7	7.5
8	7371.00	32.5 AV	54.0	-21.5	1.94 H	263	25.0	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

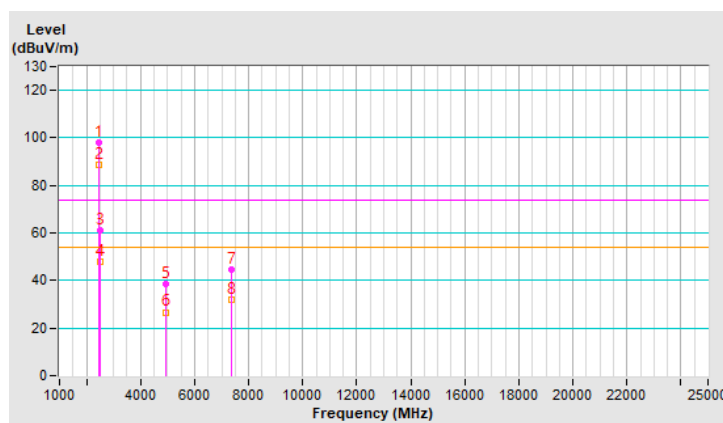


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	97.8 PK			2.16 V	168	100.4	-2.6
2	*2457.00	88.9 AV			2.16 V	168	91.5	-2.6
3	2483.50	61.2 PK	74.0	-12.8	2.16 V	168	63.8	-2.6
4	2483.50	47.7 AV	54.0	-6.3	2.16 V	168	50.3	-2.6
5	4914.00	38.6 PK	74.0	-35.4	1.91 V	256	37.0	1.6
6	4914.00	26.7 AV	54.0	-27.3	1.91 V	256	25.1	1.6
7	7371.00	44.7 PK	74.0	-29.3	1.71 V	93	37.2	7.5
8	7371.00	31.7 AV	54.0	-22.3	1.71 V	93	24.2	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

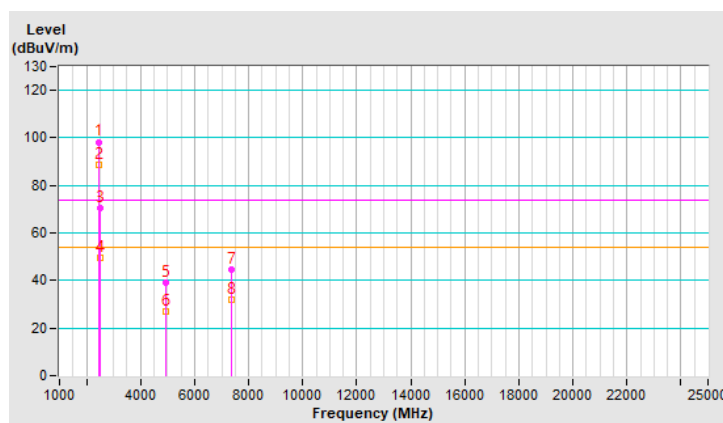


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	98.3 PK			3.57 H	185	100.9	-2.6
2	*2462.00	88.5 AV			3.57 H	185	91.1	-2.6
3	2483.50	70.3 PK	74.0	-3.7	3.57 H	185	72.9	-2.6
4	2483.50	49.8 AV	54.0	-4.2	3.57 H	185	52.4	-2.6
5	4924.00	39.3 PK	74.0	-34.7	3.13 H	175	37.7	1.6
6	4924.00	27.1 AV	54.0	-26.9	3.13 H	175	25.5	1.6
7	7386.00	44.5 PK	74.0	-29.5	2.02 H	228	37.0	7.5
8	7386.00	31.8 AV	54.0	-22.2	2.02 H	228	24.3	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

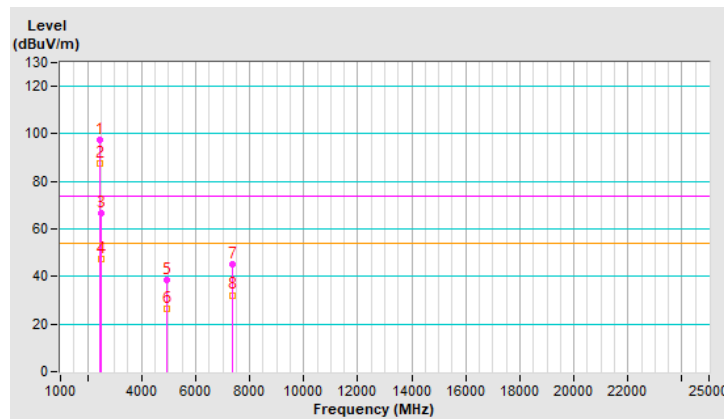


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	97.5 PK			3.21 V	130	100.1	-2.6
2	*2462.00	87.7 AV			3.21 V	130	90.3	-2.6
3	2483.50	66.8 PK	74.0	-7.2	3.21 V	130	69.4	-2.6
4	2483.50	47.6 AV	54.0	-6.4	3.21 V	130	50.2	-2.6
5	4924.00	38.7 PK	74.0	-35.3	1.86 V	301	37.1	1.6
6	4924.00	26.5 AV	54.0	-27.5	1.86 V	301	24.9	1.6
7	7386.00	45.4 PK	74.0	-28.6	1.58 V	105	37.9	7.5
8	7386.00	32.2 AV	54.0	-21.8	1.58 V	105	24.7	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.



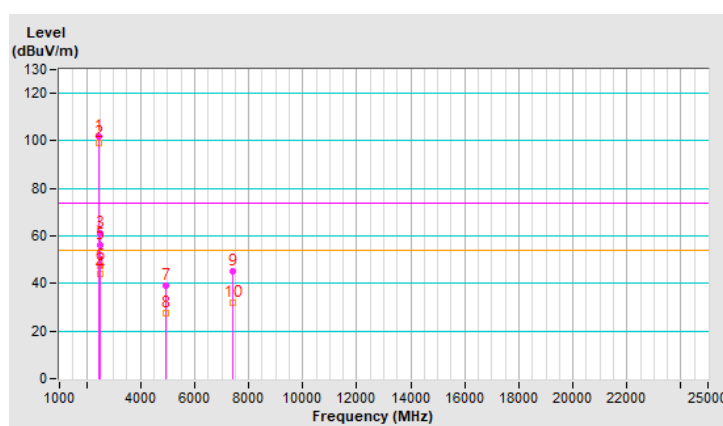
Mode C

RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	101.8 PK			2.04 H	202	104.4	-2.6
2	*2467.00	98.9 AV			2.04 H	202	101.5	-2.6
3	2483.50	61.0 PK	74.0	-13.0	2.04 H	202	63.6	-2.6
4	2483.50	44.0 AV	54.0	-10.0	2.04 H	202	46.6	-2.6
5	2492.56	56.3 PK	74.0	-17.7	2.04 H	202	58.9	-2.6
6	2492.56	47.4 AV	54.0	-6.6	2.04 H	202	50.0	-2.6
7	4934.00	39.3 PK	74.0	-34.7	2.54 H	199	37.7	1.6
8	4934.00	27.4 AV	54.0	-26.6	2.54 H	199	25.8	1.6
9	7401.00	44.9 PK	74.0	-29.1	1.53 H	259	37.3	7.6
10	7401.00	32.0 AV	54.0	-22.0	1.53 H	259	24.4	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

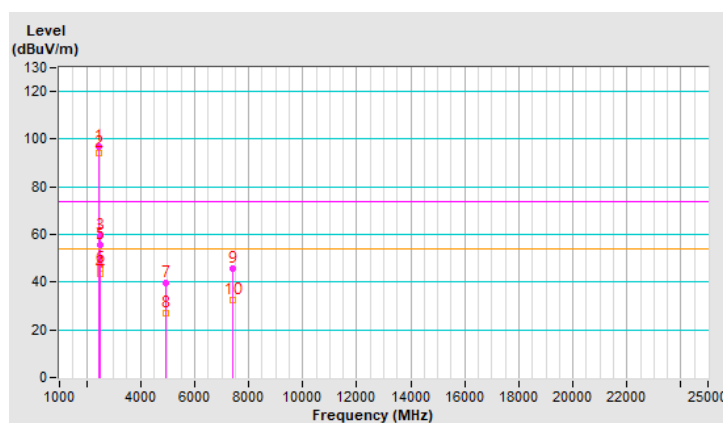


RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	96.8 PK			3.88 V	109	99.4	-2.6
2	*2467.00	93.9 AV			3.88 V	109	96.5	-2.6
3	2483.50	59.3 PK	74.0	-14.7	3.88 V	109	61.9	-2.6
4	2483.50	43.6 AV	54.0	-10.4	3.88 V	109	46.2	-2.6
5	2492.69	55.7 PK	74.0	-18.3	3.88 V	109	58.3	-2.6
6	2492.69	45.6 AV	54.0	-8.4	3.88 V	109	48.2	-2.6
7	4934.00	39.5 PK	74.0	-34.5	2.03 V	245	37.9	1.6
8	4934.00	27.1 AV	54.0	-26.9	2.03 V	245	25.5	1.6
9	7401.00	45.6 PK	74.0	-28.4	1.96 V	126	38.0	7.6
10	7401.00	32.5 AV	54.0	-21.5	1.96 V	126	24.9	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

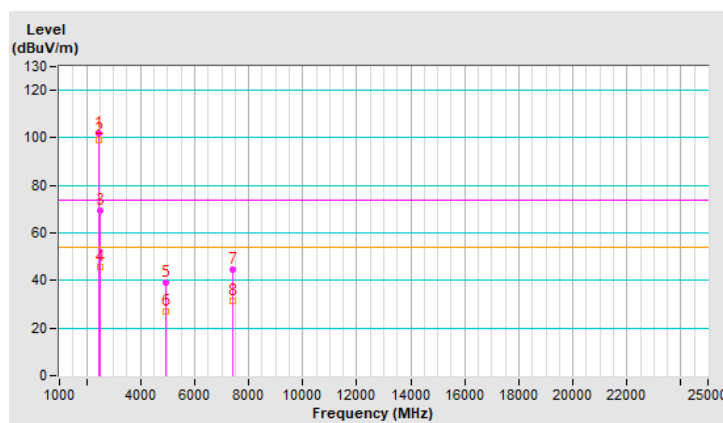


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	101.7 PK			1.76 H	204	104.3	-2.6
2	*2472.00	98.9 AV			1.76 H	204	101.5	-2.6
3	2483.50	69.4 PK	74.0	-4.6	1.76 H	204	72.0	-2.6
4	2483.50	45.9 AV	54.0	-8.1	1.76 H	204	48.5	-2.6
5	4944.00	39.0 PK	74.0	-35.0	2.56 H	188	37.4	1.6
6	4944.00	26.9 AV	54.0	-27.1	2.56 H	188	25.3	1.6
7	7416.00	44.8 PK	74.0	-29.2	1.58 H	265	37.1	7.7
8	7416.00	31.6 AV	54.0	-22.4	1.58 H	265	23.9	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

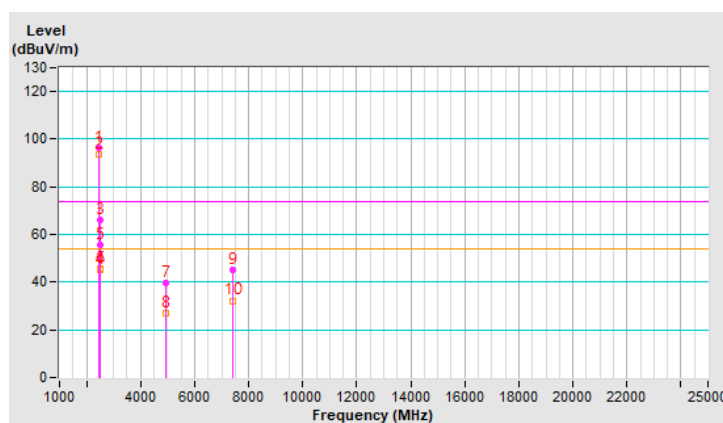


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	96.4 PK			3.42 V	110	99.0	-2.6
2	*2472.00	93.7 AV			3.42 V	110	96.3	-2.6
3	2483.50	66.2 PK	74.0	-7.8	3.42 V	110	68.8	-2.6
4	2483.50	44.9 AV	54.0	-9.1	3.42 V	110	47.5	-2.6
5	2497.48	55.7 PK	74.0	-18.3	3.42 V	110	58.4	-2.7
6	2497.48	45.9 AV	54.0	-8.1	3.42 V	110	48.6	-2.7
7	4944.00	39.7 PK	74.0	-34.3	2.05 V	250	38.1	1.6
8	4944.00	27.2 AV	54.0	-26.8	2.05 V	250	25.6	1.6
9	7416.00	45.4 PK	74.0	-28.6	1.97 V	148	37.7	7.7
10	7416.00	32.2 AV	54.0	-21.8	1.97 V	148	24.5	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

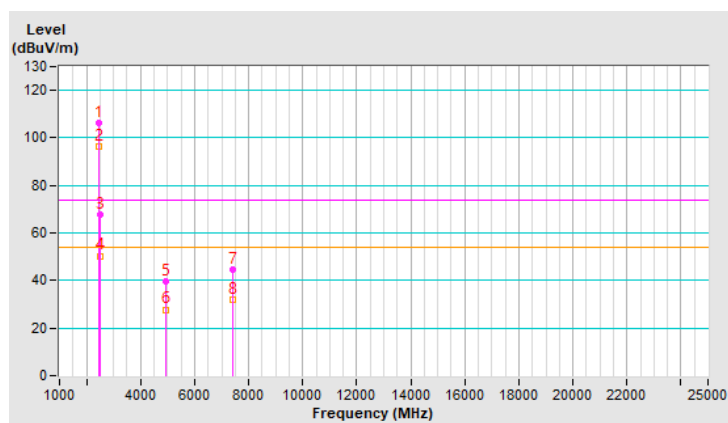


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	106.1 PK			2.04 H	204	108.7	-2.6
2	*2467.00	96.2 AV			2.04 H	204	98.8	-2.6
3	2483.50	67.5 PK	74.0	-6.5	2.04 H	204	70.1	-2.6
4	2483.50	50.4 AV	54.0	-3.6	2.04 H	204	53.0	-2.6
5	4934.00	39.5 PK	74.0	-34.5	2.53 H	200	37.9	1.6
6	4934.00	27.8 AV	54.0	-26.2	2.53 H	200	26.2	1.6
7	7401.00	44.4 PK	74.0	-29.6	1.48 H	243	36.8	7.6
8	7401.00	31.7 AV	54.0	-22.3	1.48 H	243	24.1	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

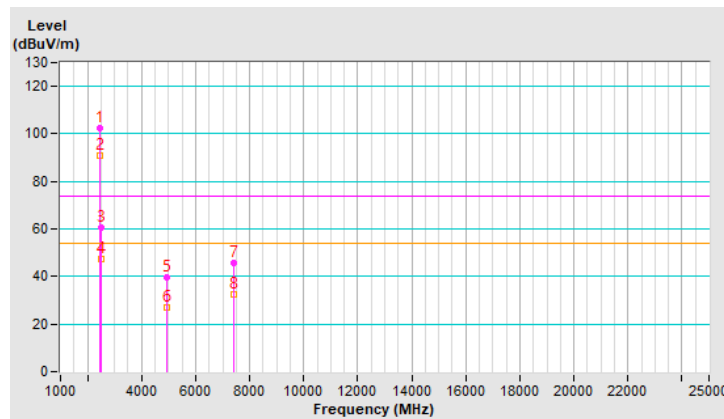


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	102.3 PK			3.88 V	112	104.9	-2.6
2	*2467.00	91.0 AV			3.88 V	112	93.6	-2.6
3	2483.50	60.7 PK	74.0	-13.3	3.88 V	112	63.3	-2.6
4	2483.50	47.6 AV	54.0	-6.4	3.88 V	112	50.2	-2.6
5	4934.00	39.4 PK	74.0	-34.6	2.09 V	248	37.8	1.6
6	4934.00	26.9 AV	54.0	-27.1	2.09 V	248	25.3	1.6
7	7401.00	45.6 PK	74.0	-28.4	1.91 V	134	38.0	7.6
8	7401.00	32.4 AV	54.0	-21.6	1.91 V	134	24.8	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

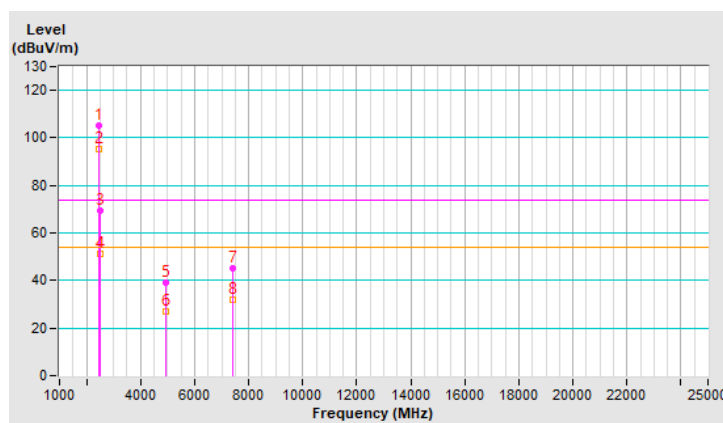


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	105.4 PK			1.19 H	356	108.0	-2.6
2	*2472.00	95.5 AV			1.19 H	356	98.1	-2.6
3	2483.50	69.5 PK	74.0	-4.5	1.19 H	356	72.1	-2.6
4	2483.50	51.0 AV	54.0	-3.0	1.19 H	356	53.6	-2.6
5	4944.00	39.3 PK	74.0	-34.7	2.57 H	185	37.7	1.6
6	4944.00	27.2 AV	54.0	-26.8	2.57 H	185	25.6	1.6
7	7416.00	45.2 PK	74.0	-28.8	1.51 H	260	37.5	7.7
8	7416.00	32.1 AV	54.0	-21.9	1.51 H	260	24.4	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

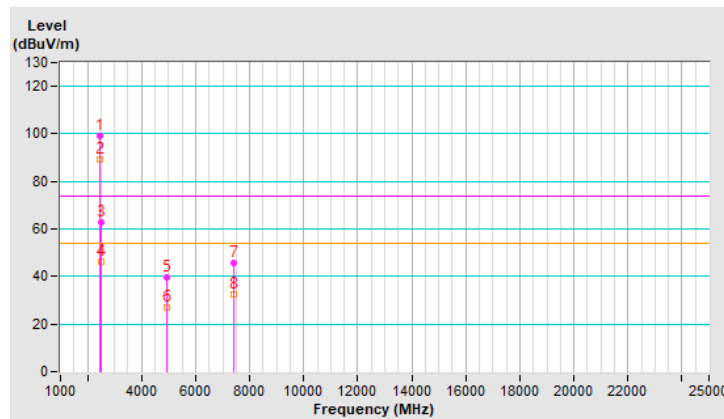


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	99.3 PK			1.04 V	198	101.9	-2.6
2	*2472.00	89.4 AV			1.04 V	198	92.0	-2.6
3	2483.50	62.6 PK	74.0	-11.4	1.04 V	198	65.2	-2.6
4	2483.50	46.4 AV	54.0	-7.6	1.04 V	198	49.0	-2.6
5	4944.00	39.4 PK	74.0	-34.6	2.01 V	241	37.8	1.6
6	4944.00	27.1 AV	54.0	-26.9	2.01 V	241	25.5	1.6
7	7416.00	45.7 PK	74.0	-28.3	1.97 V	121	38.0	7.7
8	7416.00	32.3 AV	54.0	-21.7	1.97 V	121	24.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

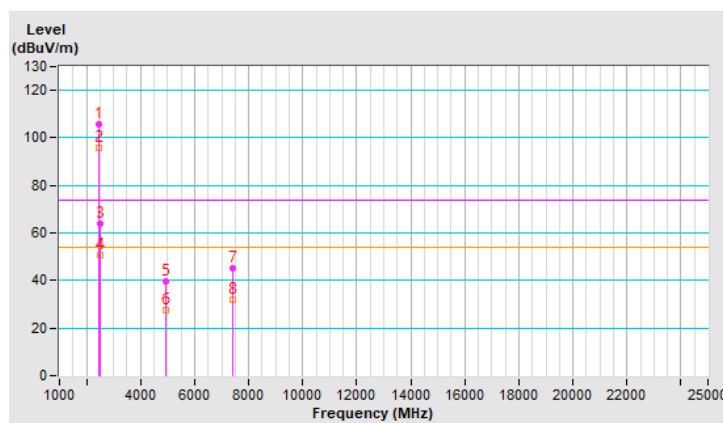


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	105.9 PK			1.20 H	357	108.5	-2.6
2	*2467.00	95.9 AV			1.20 H	357	98.5	-2.6
3	2483.50	63.8 PK	74.0	-10.2	1.20 H	357	66.4	-2.6
4	2483.50	50.5 AV	54.0	-3.5	1.20 H	357	53.1	-2.6
5	4934.00	39.4 PK	74.0	-34.6	2.49 H	191	37.8	1.6
6	4934.00	27.4 AV	54.0	-26.6	2.49 H	191	25.8	1.6
7	7401.00	45.1 PK	74.0	-28.9	1.50 H	255	37.5	7.6
8	7401.00	31.9 AV	54.0	-22.1	1.50 H	255	24.3	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

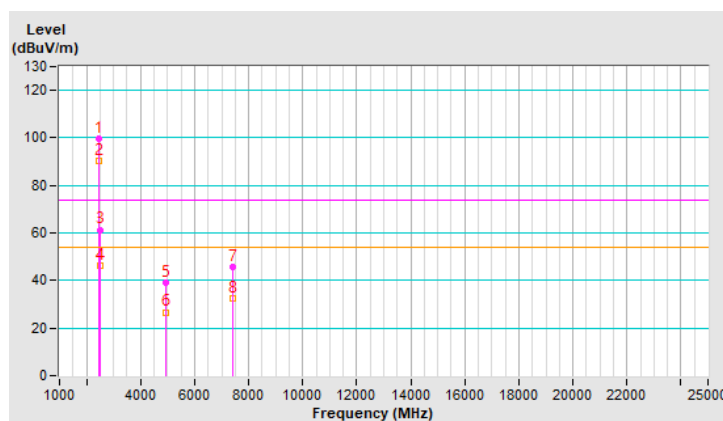


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	99.7 PK			1.03 V	198	102.3	-2.6
2	*2467.00	90.2 AV			1.03 V	198	92.8	-2.6
3	2483.50	61.4 PK	74.0	-12.6	1.03 V	198	64.0	-2.6
4	2483.50	46.2 AV	54.0	-7.8	1.03 V	198	48.8	-2.6
5	4934.00	39.1 PK	74.0	-34.9	2.07 V	230	37.5	1.6
6	4934.00	26.7 AV	54.0	-27.3	2.07 V	230	25.1	1.6
7	7401.00	45.9 PK	74.0	-28.1	1.91 V	117	38.3	7.6
8	7401.00	32.6 AV	54.0	-21.4	1.91 V	117	25.0	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

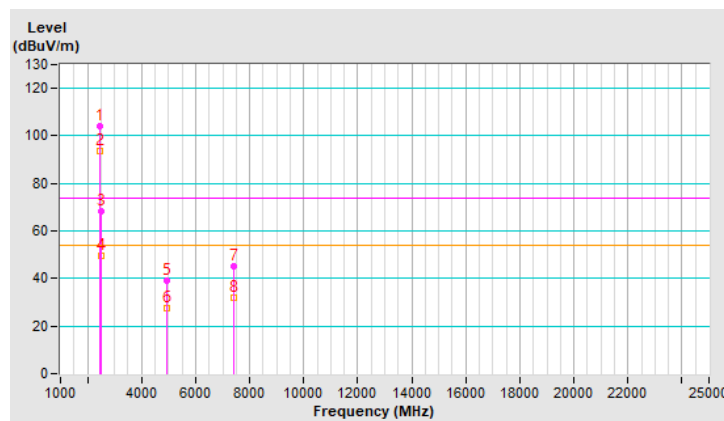


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	104.0 PK			1.20 H	358	106.6	-2.6
2	*2472.00	93.7 AV			1.20 H	358	96.3	-2.6
3	2483.50	68.3 PK	74.0	-5.7	1.20 H	358	70.9	-2.6
4	2483.50	49.6 AV	54.0	-4.4	1.20 H	358	52.2	-2.6
5	4944.00	39.2 PK	74.0	-34.8	2.54 H	199	37.6	1.6
6	4944.00	27.5 AV	54.0	-26.5	2.54 H	199	25.9	1.6
7	7416.00	45.0 PK	74.0	-29.0	1.58 H	256	37.3	7.7
8	7416.00	31.9 AV	54.0	-22.1	1.58 H	256	24.2	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

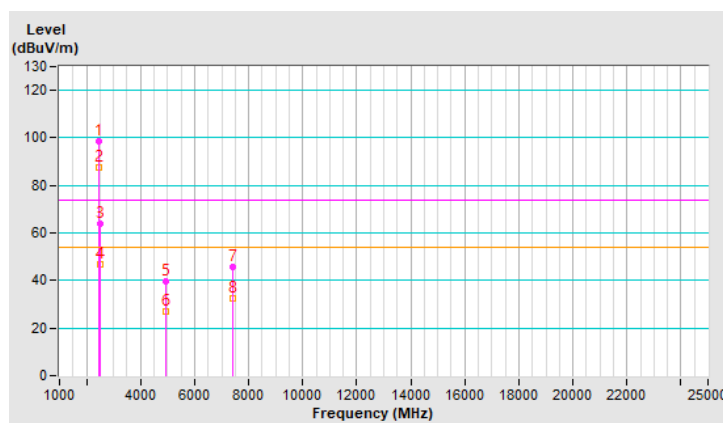


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	98.4 PK			1.27 V	197	101.0	-2.6
2	*2472.00	87.8 AV			1.27 V	197	90.4	-2.6
3	2483.50	63.7 PK	74.0	-10.3	1.27 V	197	66.3	-2.6
4	2483.50	46.6 AV	54.0	-7.4	1.27 V	197	49.2	-2.6
5	4944.00	39.6 PK	74.0	-34.4	2.03 V	237	38.0	1.6
6	4944.00	26.9 AV	54.0	-27.1	2.03 V	237	25.3	1.6
7	7416.00	45.5 PK	74.0	-28.5	1.94 V	126	37.8	7.7
8	7416.00	32.3 AV	54.0	-21.7	1.94 V	126	24.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

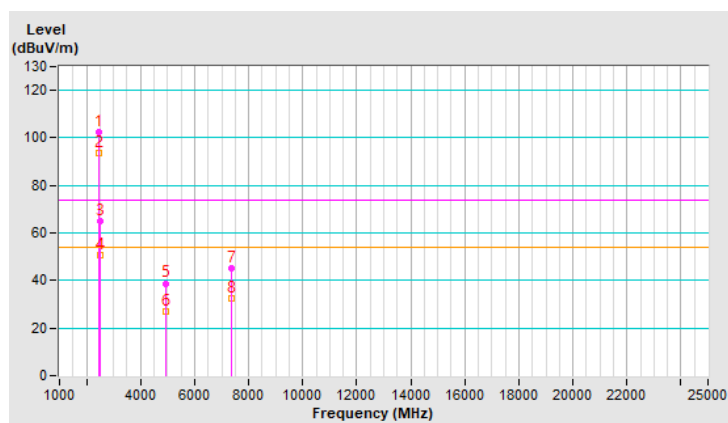


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	102.4 PK			1.54 H	204	105.0	-2.6
2	*2457.00	93.8 AV			1.54 H	204	96.4	-2.6
3	2483.50	64.9 PK	74.0	-9.1	1.54 H	204	67.5	-2.6
4	2483.50	50.5 AV	54.0	-3.5	1.54 H	204	53.1	-2.6
5	4914.00	38.8 PK	74.0	-35.2	2.52 H	192	37.2	1.6
6	4914.00	27.2 AV	54.0	-26.8	2.52 H	192	25.6	1.6
7	7371.00	45.3 PK	74.0	-28.7	1.50 H	256	37.8	7.5
8	7371.00	32.3 AV	54.0	-21.7	1.50 H	256	24.8	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

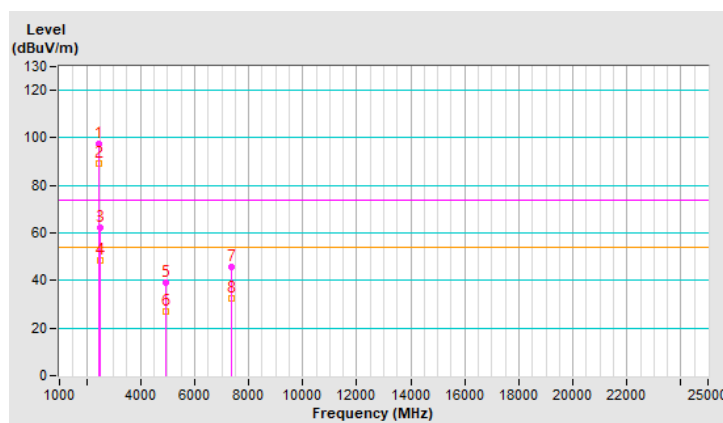


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	97.6 PK			3.05 V	109	100.2	-2.6
2	*2457.00	89.0 AV			3.05 V	109	91.6	-2.6
3	2483.50	62.4 PK	74.0	-11.6	3.05 V	109	65.0	-2.6
4	2483.50	48.6 AV	54.0	-5.4	3.05 V	109	51.2	-2.6
5	4914.00	39.3 PK	74.0	-34.7	2.01 V	230	37.7	1.6
6	4914.00	26.9 AV	54.0	-27.1	2.01 V	230	25.3	1.6
7	7371.00	45.9 PK	74.0	-28.1	2.02 V	129	38.4	7.5
8	7371.00	32.5 AV	54.0	-21.5	2.02 V	129	25.0	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

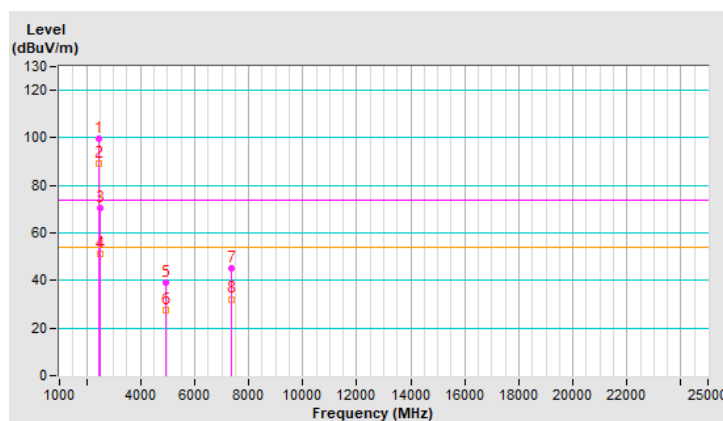


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	99.6 PK			1.21 H	359	102.2	-2.6
2	*2462.00	89.2 AV			1.21 H	359	91.8	-2.6
3	2483.50	70.5 PK	74.0	-3.5	1.21 H	359	73.1	-2.6
4	2483.50	51.0 AV	54.0	-3.0	1.21 H	359	53.6	-2.6
5	4924.00	39.0 PK	74.0	-35.0	2.55 H	199	37.4	1.6
6	4924.00	27.3 AV	54.0	-26.7	2.55 H	199	25.7	1.6
7	7386.00	45.0 PK	74.0	-29.0	1.57 H	247	37.5	7.5
8	7386.00	32.2 AV	54.0	-21.8	1.57 H	247	24.7	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

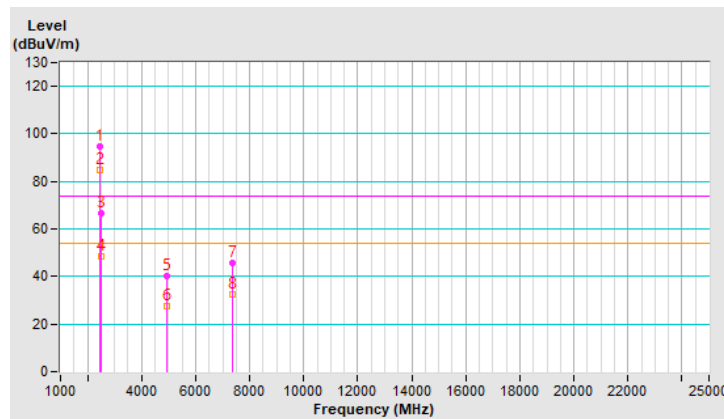


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	94.9 PK			1.13 V	199	97.5	-2.6
2	*2462.00	84.7 AV			1.13 V	199	87.3	-2.6
3	2483.50	66.7 PK	74.0	-7.3	1.13 V	199	69.3	-2.6
4	2483.50	48.7 AV	54.0	-5.3	1.13 V	199	51.3	-2.6
5	4924.00	40.0 PK	74.0	-34.0	2.00 V	235	38.4	1.6
6	4924.00	27.4 AV	54.0	-26.6	2.00 V	235	25.8	1.6
7	7386.00	45.7 PK	74.0	-28.3	1.90 V	126	38.2	7.5
8	7386.00	32.7 AV	54.0	-21.3	1.90 V	126	25.2	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.



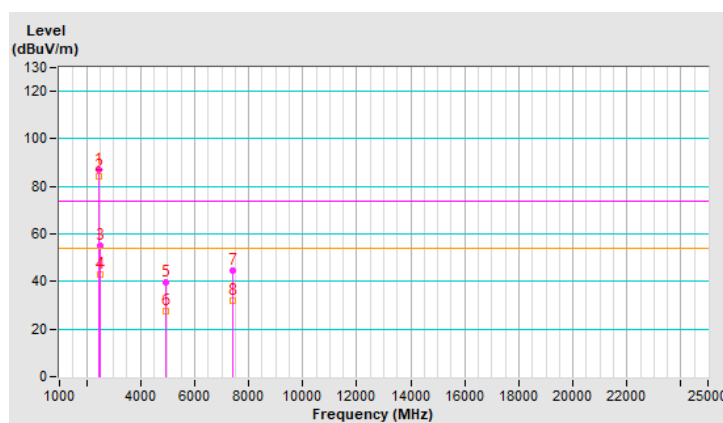
Mode D

RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	86.9 PK			1.00 H	98	89.5	-2.6
2	*2467.00	84.0 AV			1.00 H	98	86.6	-2.6
3	2483.50	55.2 PK	74.0	-18.8	1.00 H	98	57.8	-2.6
4	2483.50	43.1 AV	54.0	-10.9	1.00 H	98	45.7	-2.6
5	4934.00	39.5 PK	74.0	-34.5	3.33 H	80	37.9	1.6
6	4934.00	27.7 AV	54.0	-26.3	3.33 H	80	26.1	1.6
7	7401.00	44.8 PK	74.0	-29.2	1.37 H	309	37.2	7.6
8	7401.00	31.9 AV	54.0	-22.1	1.37 H	309	24.3	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

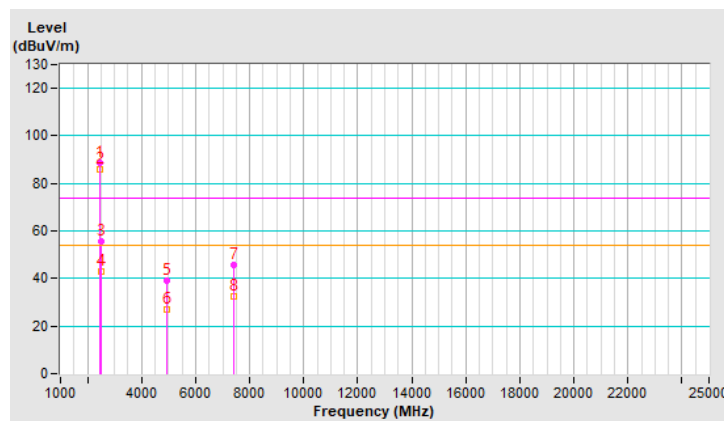


RF Mode	802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	88.4 PK			1.49 V	8	91.0	-2.6
2	*2467.00	85.8 AV			1.49 V	8	88.4	-2.6
3	2483.50	55.7 PK	74.0	-18.3	1.49 V	8	58.3	-2.6
4	2483.50	43.0 AV	54.0	-11.0	1.49 V	8	45.6	-2.6
5	4934.00	39.2 PK	74.0	-34.8	2.67 V	176	37.6	1.6
6	4934.00	26.8 AV	54.0	-27.2	2.67 V	176	25.2	1.6
7	7401.00	45.5 PK	74.0	-28.5	2.22 V	147	37.9	7.6
8	7401.00	32.4 AV	54.0	-21.6	2.22 V	147	24.8	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

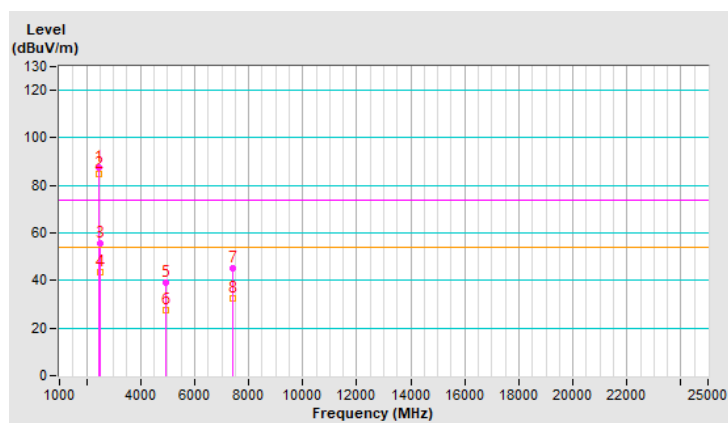


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	87.7 PK			1.00 H	97	90.3	-2.6
2	*2472.00	84.7 AV			1.00 H	97	87.3	-2.6
3	2485.65	55.4 PK	74.0	-18.6	1.00 H	97	58.0	-2.6
4	2485.65	43.5 AV	54.0	-10.5	1.00 H	97	46.1	-2.6
5	4944.00	39.2 PK	74.0	-34.8	3.37 H	72	37.6	1.6
6	4944.00	27.5 AV	54.0	-26.5	3.37 H	72	25.9	1.6
7	7416.00	45.0 PK	74.0	-29.0	1.36 H	309	37.3	7.7
8	7416.00	32.3 AV	54.0	-21.7	1.36 H	309	24.6	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

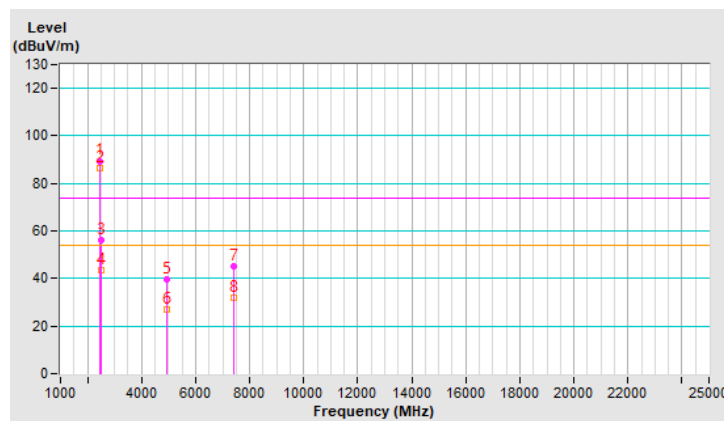


RF Mode	802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	89.5 PK			1.24 V	212	92.1	-2.6
2	*2472.00	86.7 AV			1.24 V	212	89.3	-2.6
3	2485.65	56.3 PK	74.0	-17.7	1.24 V	212	58.9	-2.6
4	2485.65	43.6 AV	54.0	-10.4	1.24 V	212	46.2	-2.6
5	4944.00	39.5 PK	74.0	-34.5	2.62 V	182	37.9	1.6
6	4944.00	27.1 AV	54.0	-26.9	2.62 V	182	25.5	1.6
7	7416.00	45.1 PK	74.0	-28.9	2.16 V	146	37.4	7.7
8	7416.00	31.9 AV	54.0	-22.1	2.16 V	146	24.2	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

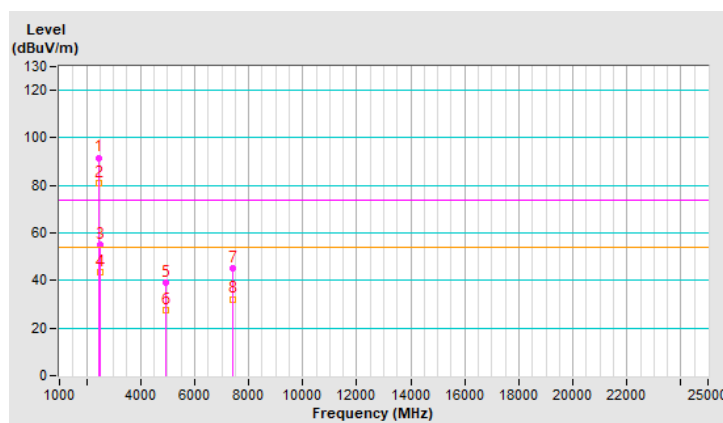


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	91.7 PK			1.00 H	99	94.3	-2.6
2	*2467.00	81.2 AV			1.00 H	99	83.8	-2.6
3	2483.50	55.1 PK	74.0	-18.9	1.00 H	99	57.7	-2.6
4	2483.50	43.4 AV	54.0	-10.6	1.00 H	99	46.0	-2.6
5	4934.00	38.9 PK	74.0	-35.1	3.30 H	80	37.3	1.6
6	4934.00	27.3 AV	54.0	-26.7	3.30 H	80	25.7	1.6
7	7401.00	44.9 PK	74.0	-29.1	1.32 H	306	37.3	7.6
8	7401.00	32.2 AV	54.0	-21.8	1.32 H	306	24.6	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

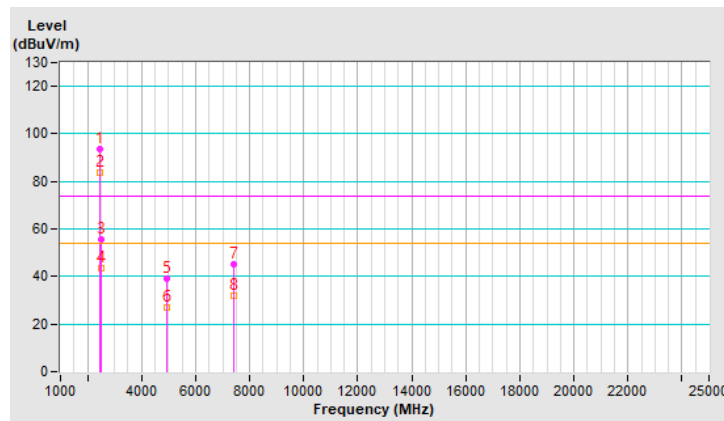


RF Mode	802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	93.7 PK			2.37 V	259	96.3	-2.6
2	*2467.00	83.6 AV			2.37 V	259	86.2	-2.6
3	2483.50	55.8 PK	74.0	-18.2	2.37 V	259	58.4	-2.6
4	2483.50	43.6 AV	54.0	-10.4	2.37 V	259	46.2	-2.6
5	4934.00	39.0 PK	74.0	-35.0	2.65 V	180	37.4	1.6
6	4934.00	26.8 AV	54.0	-27.2	2.65 V	180	25.2	1.6
7	7401.00	45.2 PK	74.0	-28.8	2.26 V	157	37.6	7.6
8	7401.00	32.1 AV	54.0	-21.9	2.26 V	157	24.5	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

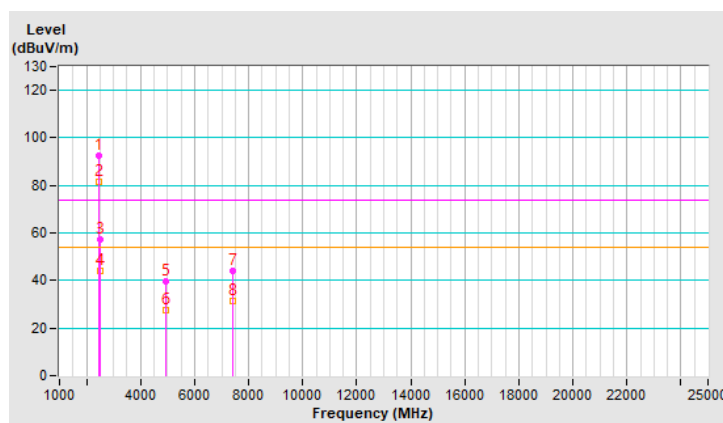


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	92.4 PK			1.00 H	94	95.0	-2.6
2	*2472.00	81.7 AV			1.00 H	94	84.3	-2.6
3	2483.50	57.2 PK	74.0	-16.8	1.00 H	94	59.8	-2.6
4	2483.50	44.3 AV	54.0	-9.7	1.00 H	94	46.9	-2.6
5	4944.00	39.6 PK	74.0	-34.4	3.34 H	73	38.0	1.6
6	4944.00	27.7 AV	54.0	-26.3	3.34 H	73	26.1	1.6
7	7416.00	44.1 PK	74.0	-29.9	1.32 H	313	36.4	7.7
8	7416.00	31.5 AV	54.0	-22.5	1.32 H	313	23.8	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

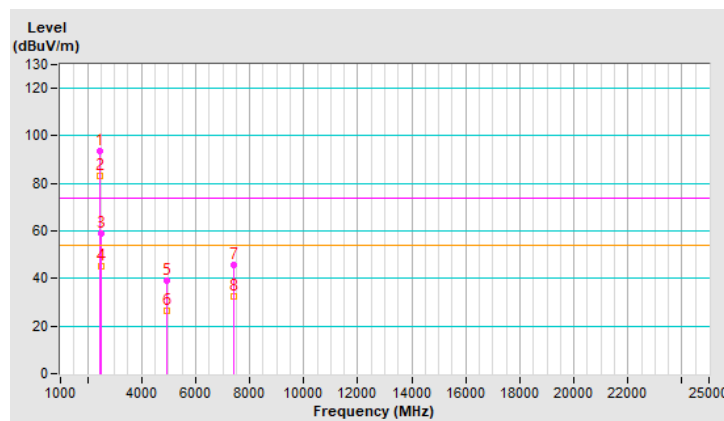


RF Mode	802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	93.8 PK			1.06 V	249	96.4	-2.6
2	*2472.00	83.2 AV			1.06 V	249	85.8	-2.6
3	2483.50	59.0 PK	74.0	-15.0	1.06 V	249	61.6	-2.6
4	2483.50	44.9 AV	54.0	-9.1	1.06 V	249	47.5	-2.6
5	4944.00	39.2 PK	74.0	-34.8	2.69 V	175	37.6	1.6
6	4944.00	26.5 AV	54.0	-27.5	2.69 V	175	24.9	1.6
7	7416.00	45.6 PK	74.0	-28.4	2.22 V	140	37.9	7.7
8	7416.00	32.7 AV	54.0	-21.3	2.22 V	140	25.0	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

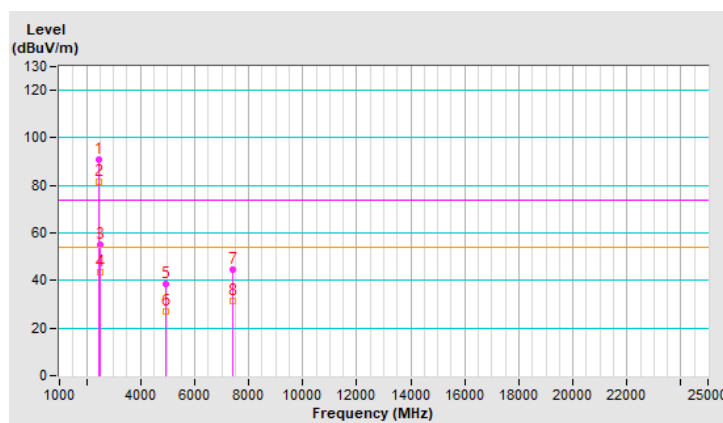


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	91.0 PK			1.00 H	97	93.6	-2.6
2	*2467.00	81.3 AV			1.00 H	97	83.9	-2.6
3	2483.50	55.2 PK	74.0	-18.8	1.00 H	97	57.8	-2.6
4	2483.50	43.5 AV	54.0	-10.5	1.00 H	97	46.1	-2.6
5	4934.00	38.7 PK	74.0	-35.3	3.35 H	67	37.1	1.6
6	4934.00	27.2 AV	54.0	-26.8	3.35 H	67	25.6	1.6
7	7401.00	44.8 PK	74.0	-29.2	1.42 H	298	37.2	7.6
8	7401.00	31.6 AV	54.0	-22.4	1.42 H	298	24.0	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

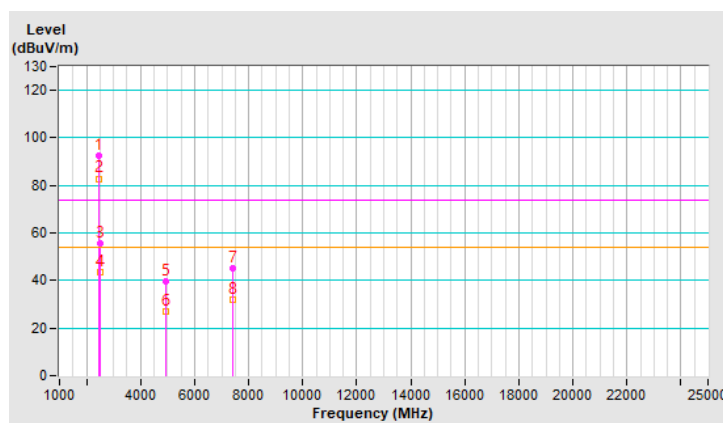


RF Mode	802.11n (HT20)	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2467.00	92.4 PK			1.68 V	207	95.0	-2.6
2	*2467.00	82.9 AV			1.68 V	207	85.5	-2.6
3	2483.50	55.6 PK	74.0	-18.4	1.68 V	207	58.2	-2.6
4	2483.50	43.6 AV	54.0	-10.4	1.68 V	207	46.2	-2.6
5	4934.00	39.8 PK	74.0	-34.2	2.65 V	178	38.2	1.6
6	4934.00	27.2 AV	54.0	-26.8	2.65 V	178	25.6	1.6
7	7401.00	45.3 PK	74.0	-28.7	2.26 V	146	37.7	7.6
8	7401.00	32.0 AV	54.0	-22.0	2.26 V	146	24.4	7.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

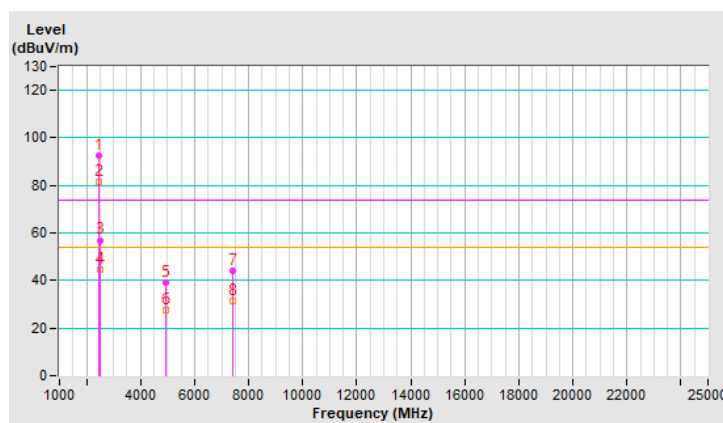


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	92.3 PK			1.00 H	96	94.9	-2.6
2	*2472.00	81.7 AV			1.00 H	96	84.3	-2.6
3	2483.50	57.0 PK	74.0	-17.0	1.00 H	96	59.6	-2.6
4	2483.50	44.4 AV	54.0	-9.6	1.00 H	96	47.0	-2.6
5	4944.00	39.2 PK	74.0	-34.8	3.29 H	82	37.6	1.6
6	4944.00	27.4 AV	54.0	-26.6	3.29 H	82	25.8	1.6
7	7416.00	44.2 PK	74.0	-29.8	1.35 H	324	36.5	7.7
8	7416.00	31.4 AV	54.0	-22.6	1.35 H	324	23.7	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

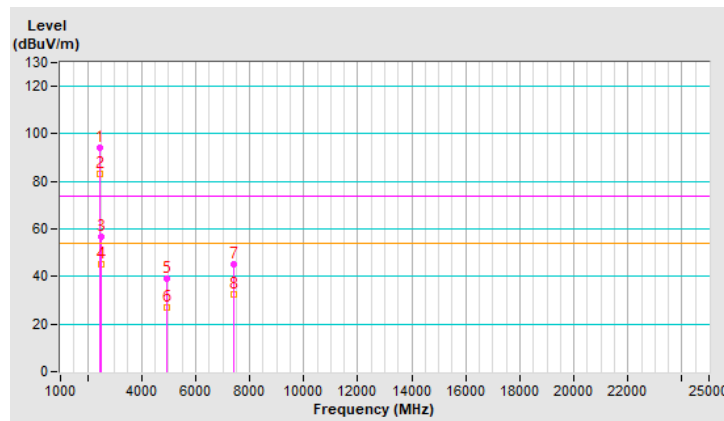


RF Mode	802.11n (HT20)	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2472.00	93.9 PK			2.37 V	260	96.5	-2.6
2	*2472.00	83.3 AV			2.37 V	260	85.9	-2.6
3	2483.50	56.6 PK	74.0	-17.4	2.37 V	260	59.2	-2.6
4	2483.50	44.9 AV	54.0	-9.1	2.37 V	260	47.5	-2.6
5	4944.00	39.0 PK	74.0	-35.0	2.72 V	188	37.4	1.6
6	4944.00	26.8 AV	54.0	-27.2	2.72 V	188	25.2	1.6
7	7416.00	45.4 PK	74.0	-28.6	2.24 V	137	37.7	7.7
8	7416.00	32.6 AV	54.0	-21.4	2.24 V	137	24.9	7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

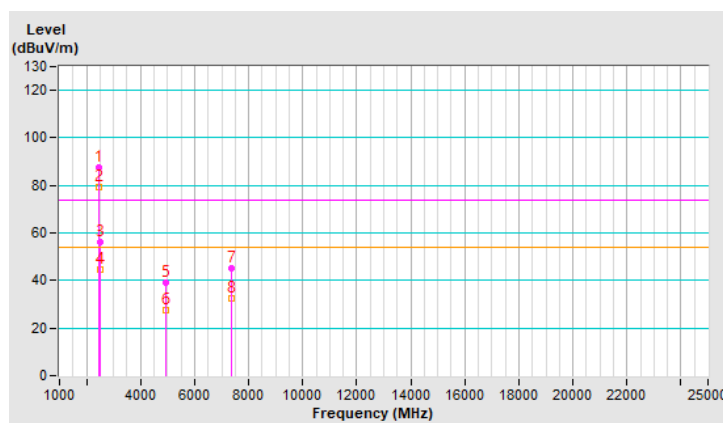


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	87.8 PK			1.17 H	99	90.4	-2.6
2	*2457.00	79.1 AV			1.17 H	99	81.7	-2.6
3	2483.50	56.1 PK	74.0	-17.9	1.17 H	99	58.7	-2.6
4	2483.50	44.4 AV	54.0	-9.6	1.17 H	99	47.0	-2.6
5	4914.00	39.1 PK	74.0	-34.9	3.34 H	79	37.5	1.6
6	4914.00	27.4 AV	54.0	-26.6	3.34 H	79	25.8	1.6
7	7371.00	45.2 PK	74.0	-28.8	1.31 H	296	37.7	7.5
8	7371.00	32.4 AV	54.0	-21.6	1.31 H	296	24.9	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

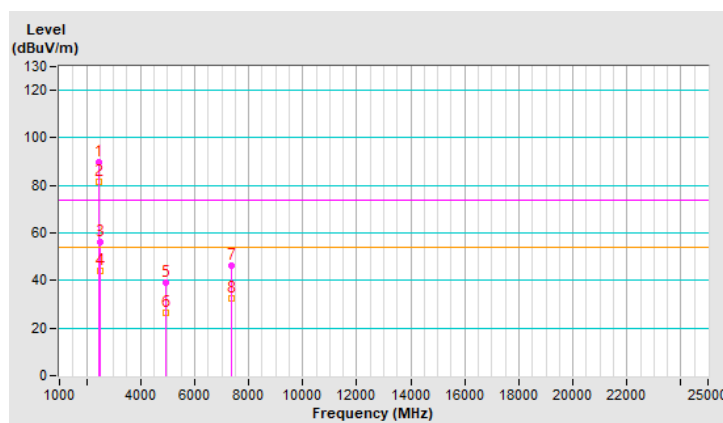


RF Mode	802.11n (HT40)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	89.8 PK			1.73 V	207	92.4	-2.6
2	*2457.00	81.3 AV			1.73 V	207	83.9	-2.6
3	2483.50	56.3 PK	74.0	-17.7	1.73 V	207	58.9	-2.6
4	2483.50	44.3 AV	54.0	-9.7	1.73 V	207	46.9	-2.6
5	4914.00	39.0 PK	74.0	-35.0	2.72 V	179	37.4	1.6
6	4914.00	26.5 AV	54.0	-27.5	2.72 V	179	24.9	1.6
7	7371.00	46.0 PK	74.0	-28.0	2.23 V	138	38.5	7.5
8	7371.00	32.7 AV	54.0	-21.3	2.23 V	138	25.2	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

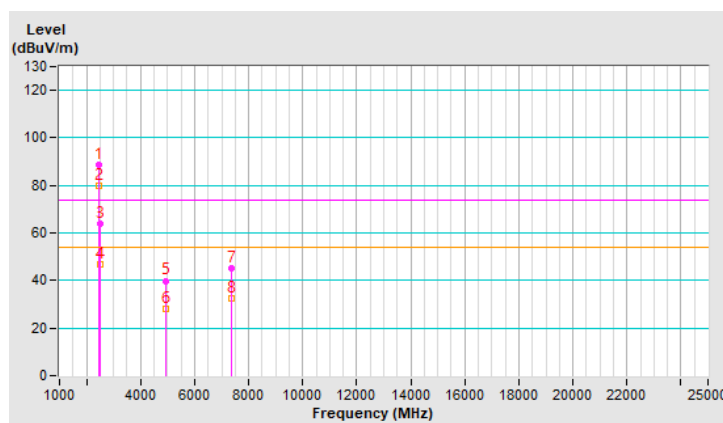


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	88.6 PK			1.01 H	98	91.2	-2.6
2	*2462.00	79.8 AV			1.01 H	98	82.4	-2.6
3	2483.50	63.7 PK	74.0	-10.3	1.01 H	98	66.3	-2.6
4	2483.50	46.7 AV	54.0	-7.3	1.01 H	98	49.3	-2.6
5	4924.00	39.9 PK	74.0	-34.1	3.32 H	77	38.3	1.6
6	4924.00	27.9 AV	54.0	-26.1	3.32 H	77	26.3	1.6
7	7386.00	45.4 PK	74.0	-28.6	1.37 H	310	37.9	7.5
8	7386.00	32.3 AV	54.0	-21.7	1.37 H	310	24.8	7.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

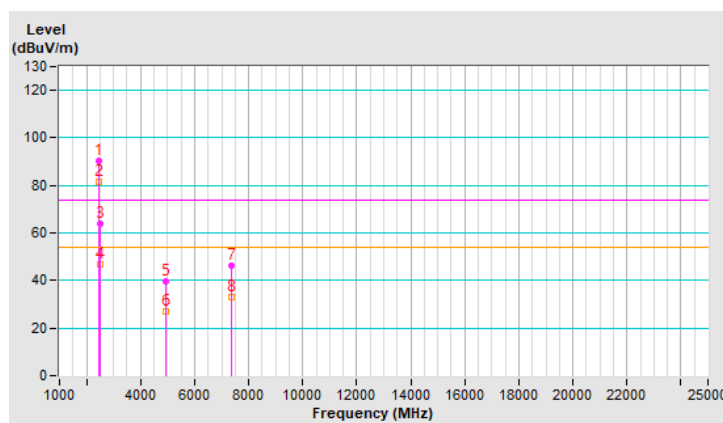


RF Mode	802.11n (HT40)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25°C, 71% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	90.4 PK			2.35 V	259	93.0	-2.6
2	*2462.00	81.7 AV			2.35 V	259	84.3	-2.6
3	2483.50	63.7 PK	74.0	-10.3	2.35 V	259	66.3	-2.6
4	2483.50	46.8 AV	54.0	-7.2	2.35 V	259	49.4	-2.6
5	4924.00	39.6 PK	74.0	-34.4	2.70 V	177	38.0	1.6
6	4924.00	27.1 AV	54.0	-26.9	2.70 V	177	25.5	1.6
7	7386.00	46.0 PK	74.0	-28.0	2.16 V	154	38.5	7.5
8	7386.00	32.9 AV	54.0	-21.1	2.16 V	154	25.4	7.5

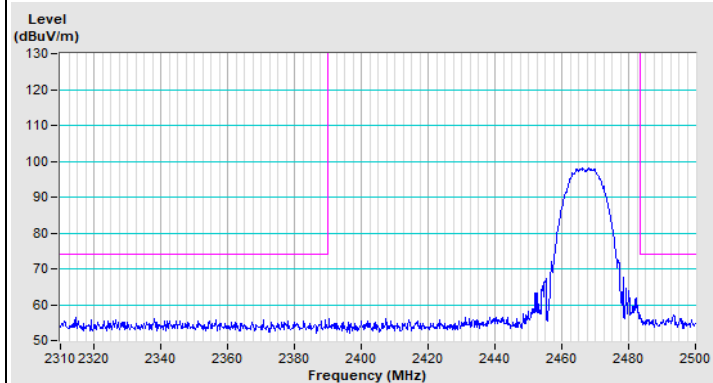
Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

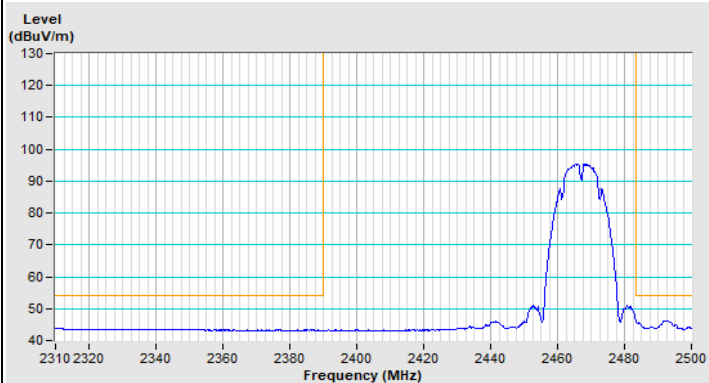


Mode A

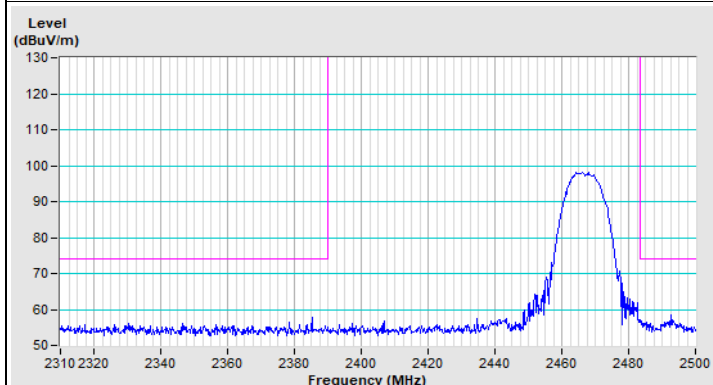
802.11b Channel 12



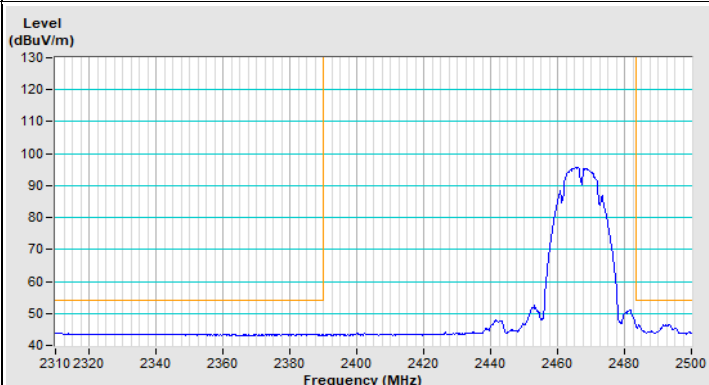
Horizontal (Peak)



Horizontal (Average)

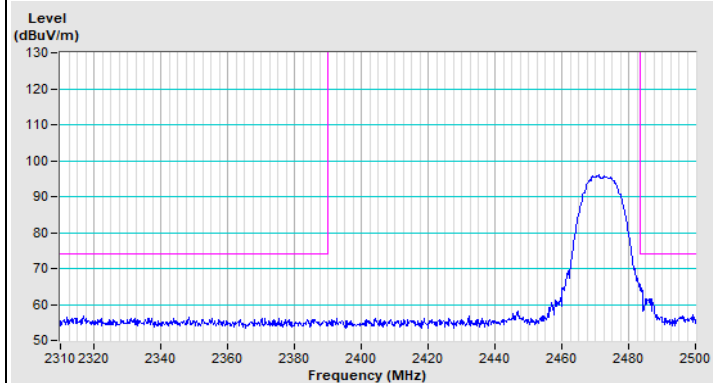


Vertical (Peak)

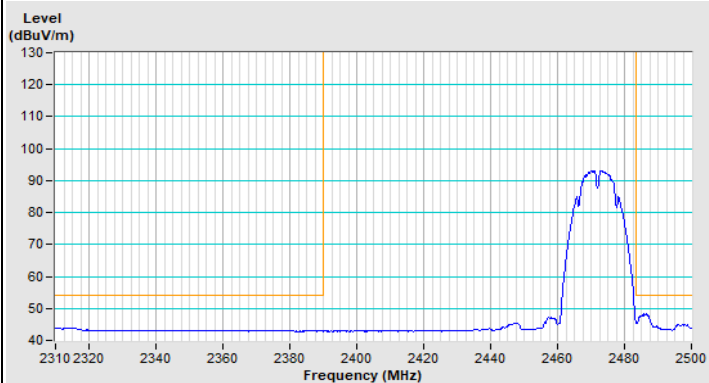


Vertical (Average)

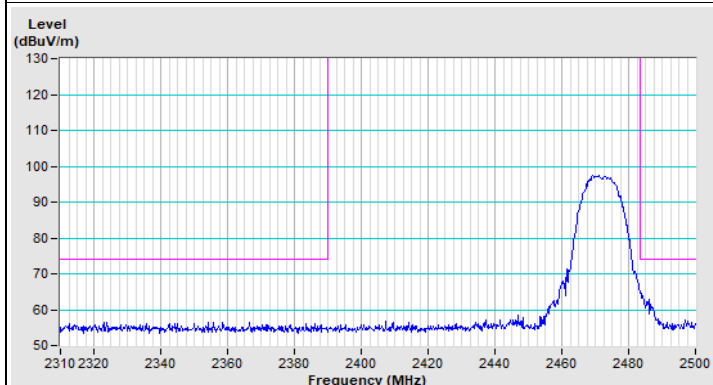
802.11b Channel 13



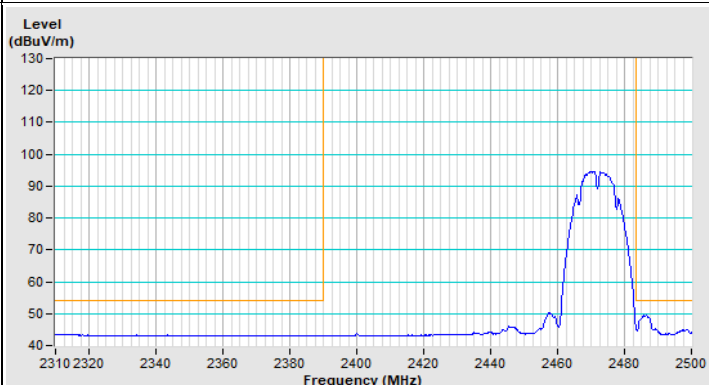
Horizontal (Peak)



Horizontal (Average)

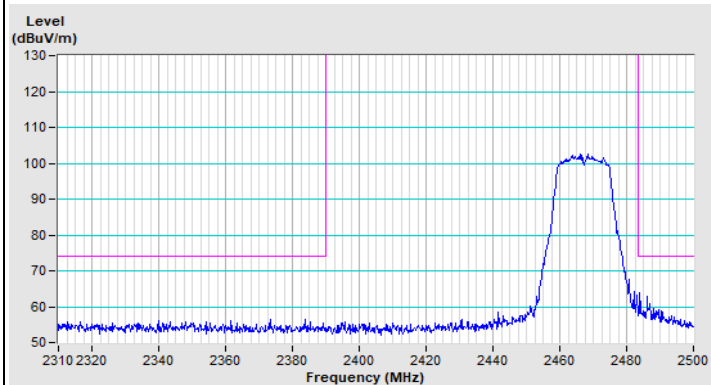


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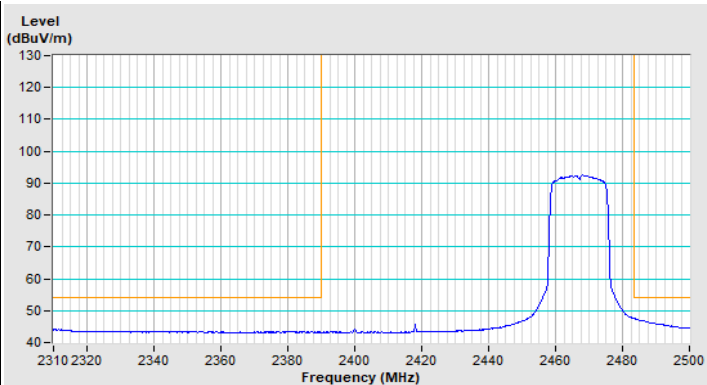


Vertical (Average)

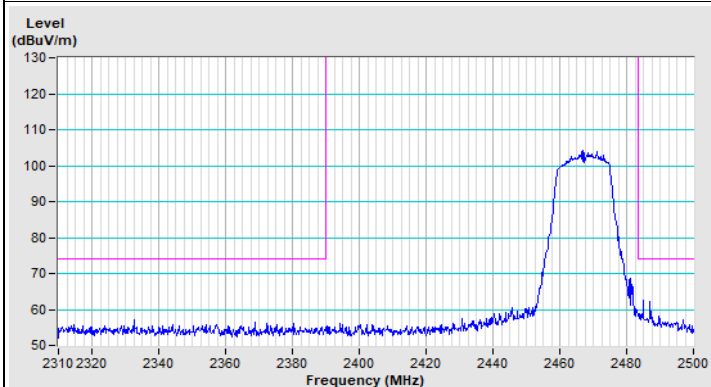
802.11g Channel 12



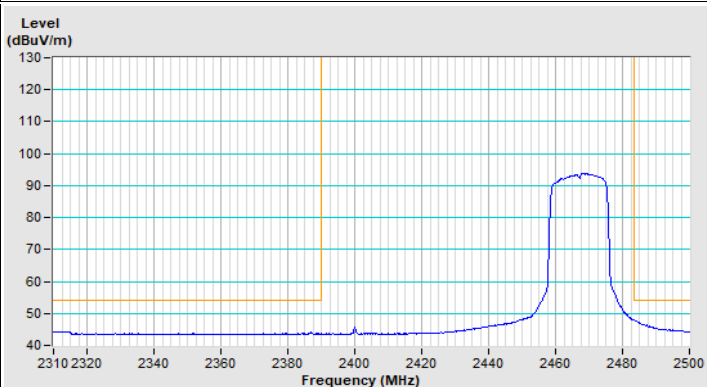
Horizontal (Peak)



Horizontal (Average)

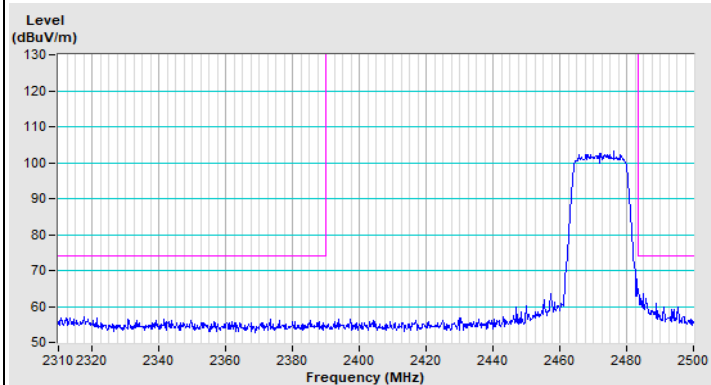


Vertical (Peak)

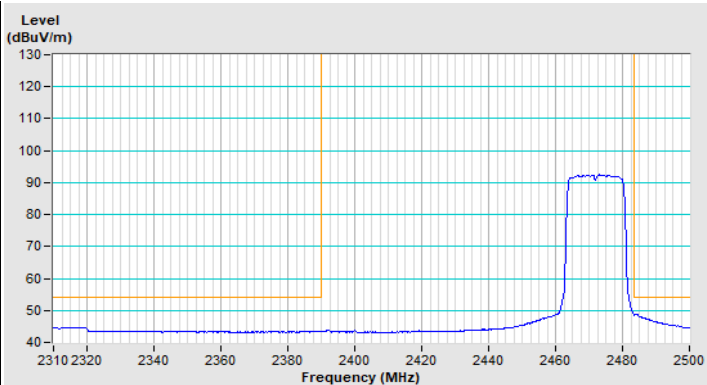


Vertical (Average)

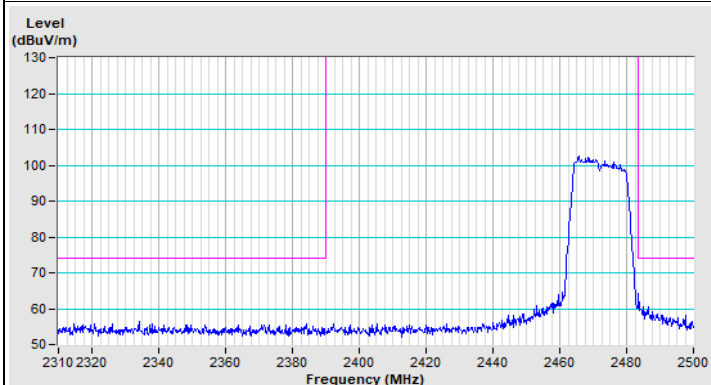
802.11g Channel 13



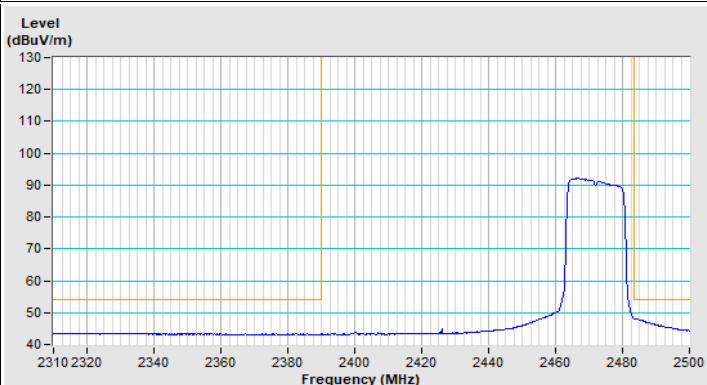
Horizontal (Peak)



Horizontal (Average)

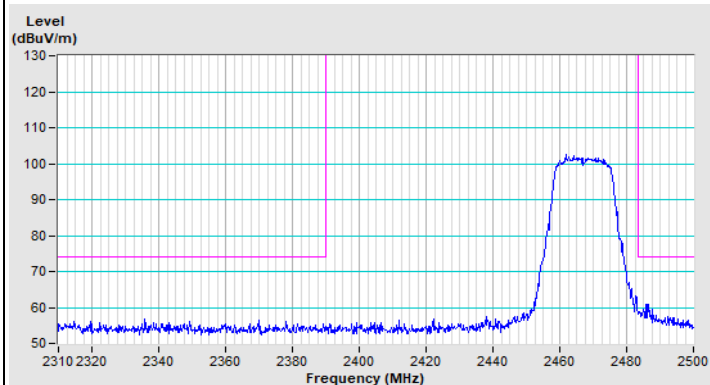


Vertical (Peak)

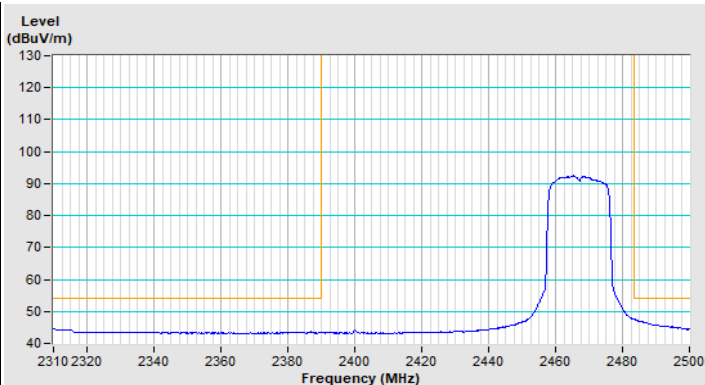


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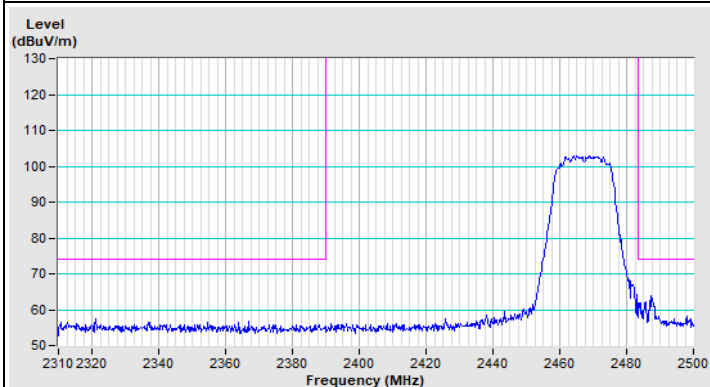
802.11n (HT20) Channel 12



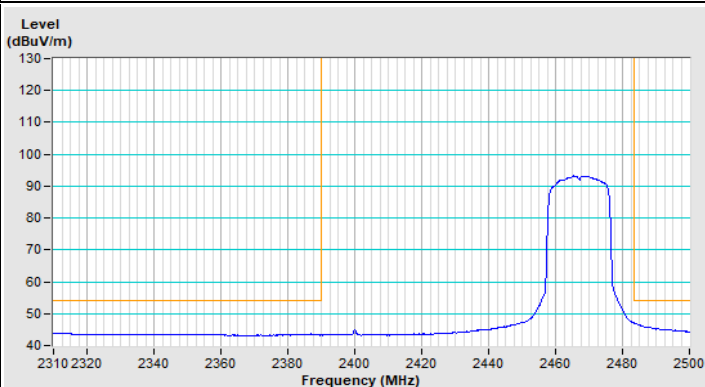
Horizontal (Peak)



Horizontal (Average)

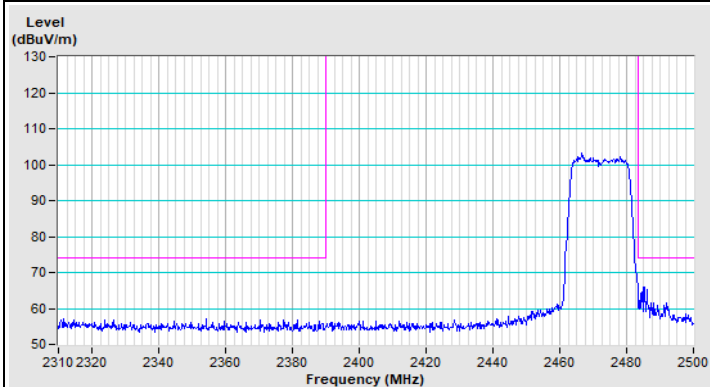


Vertical (Peak)

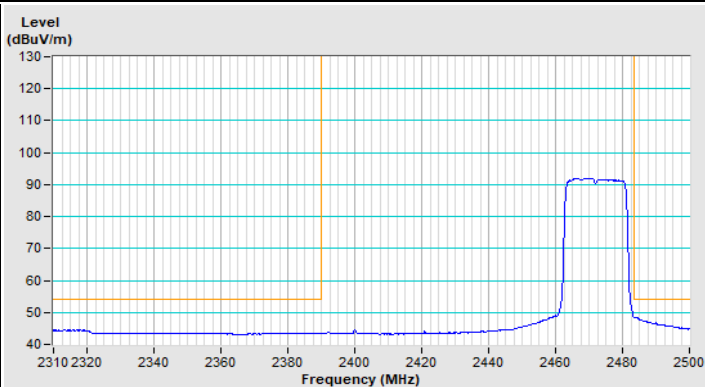


Vertical (Average)

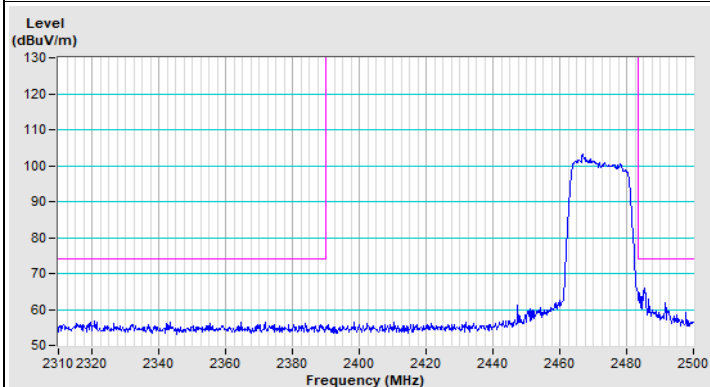
802.11n (HT20) Channel 13



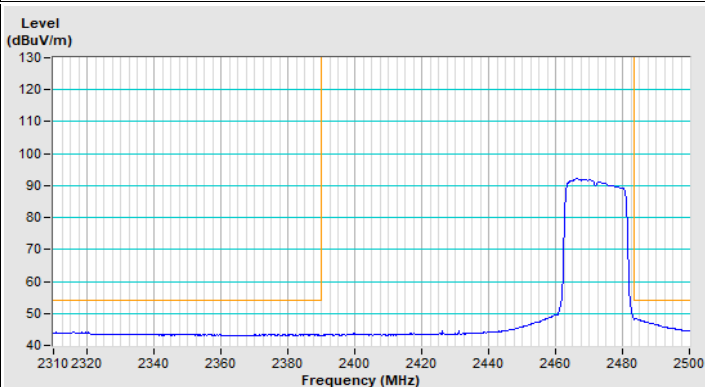
Horizontal (Peak)



Horizontal (Average)

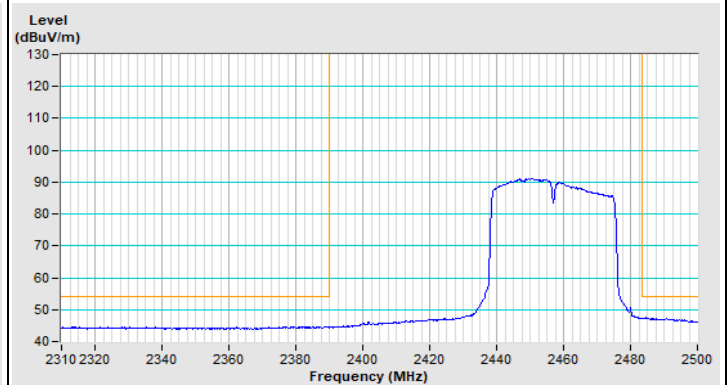
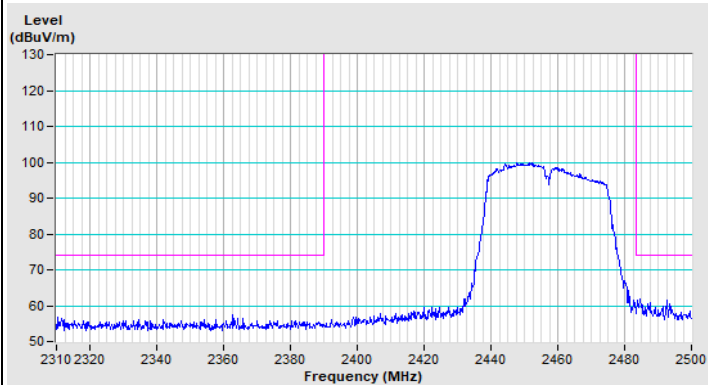
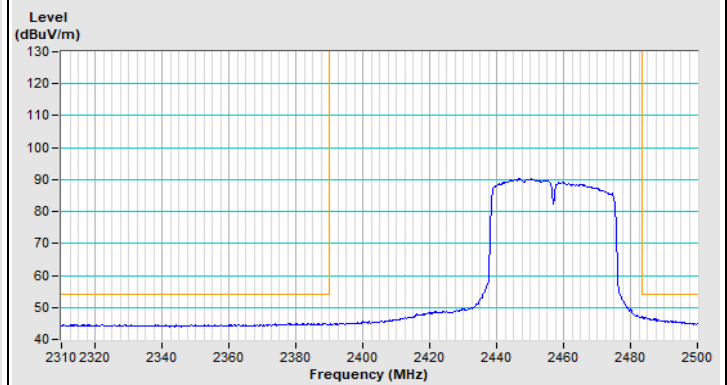
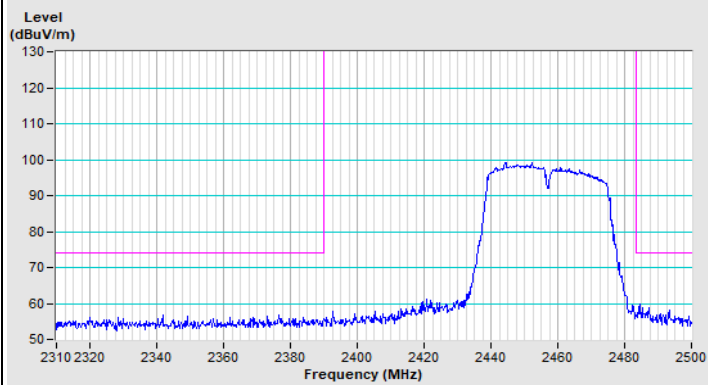


Vertical (Peak)

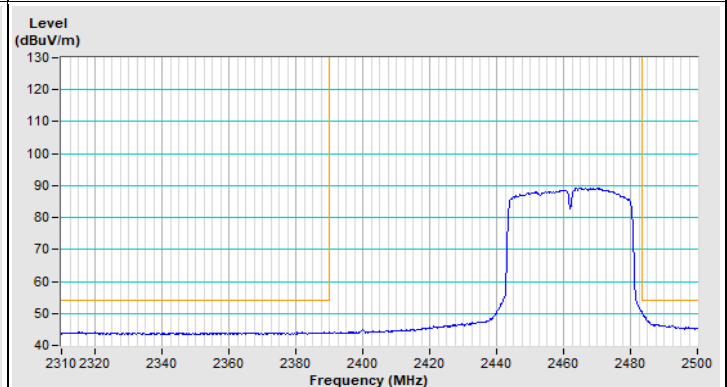
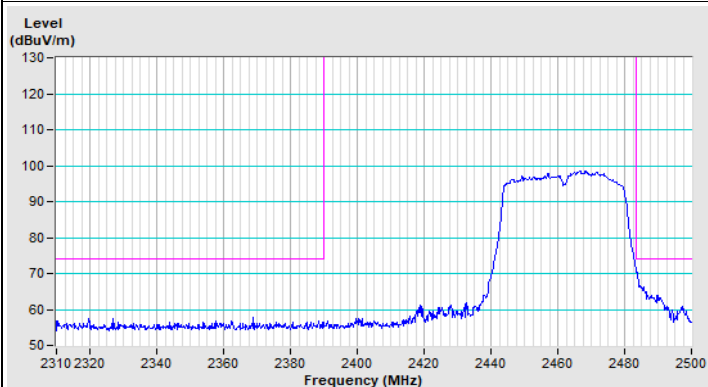
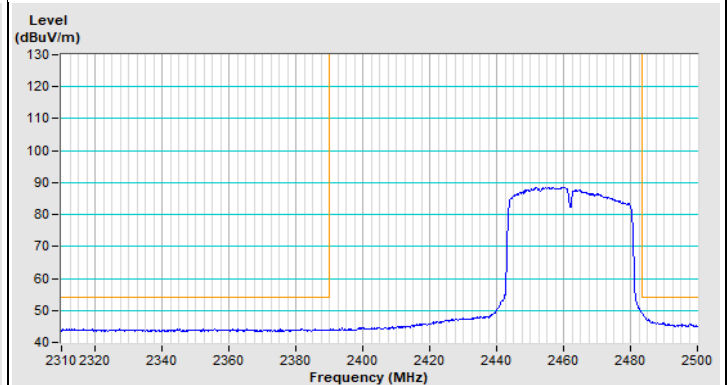
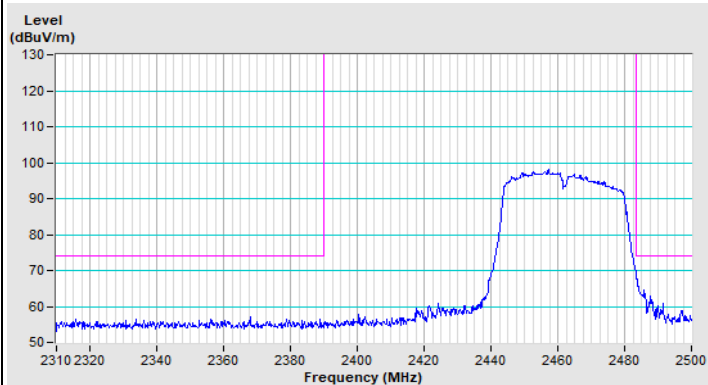


Vertical (Average)

802.11n (HT40) Channel 10

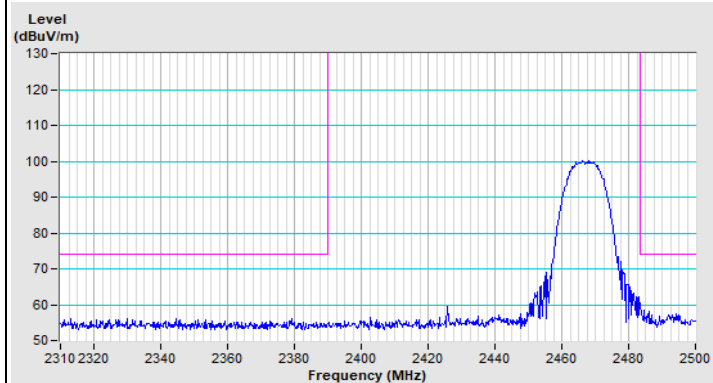


802.11n (HT40) Channel 11

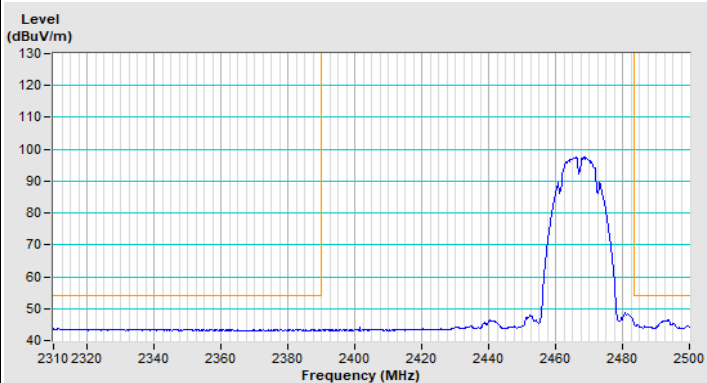


Mode B

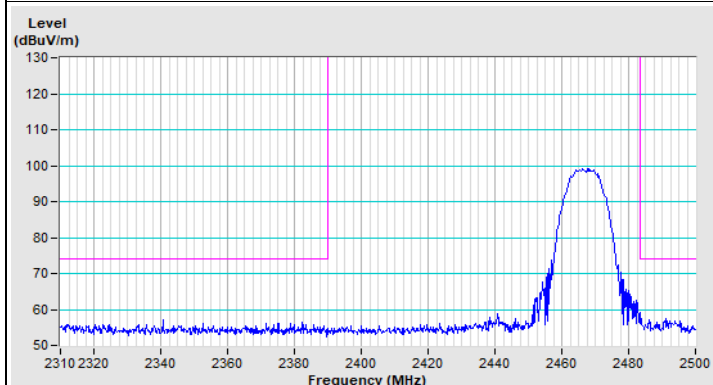
802.11b Channel 12



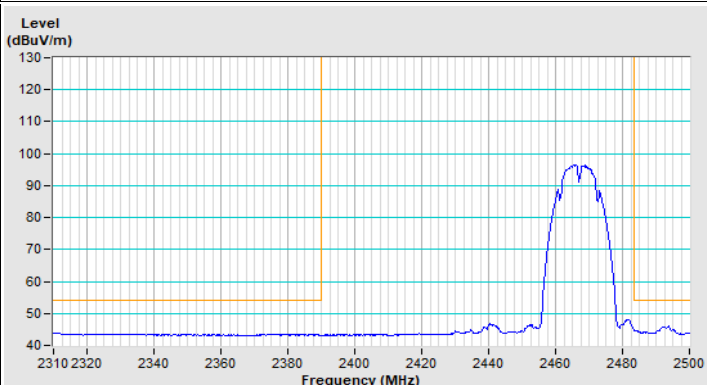
Horizontal (Peak)



Horizontal (Average)

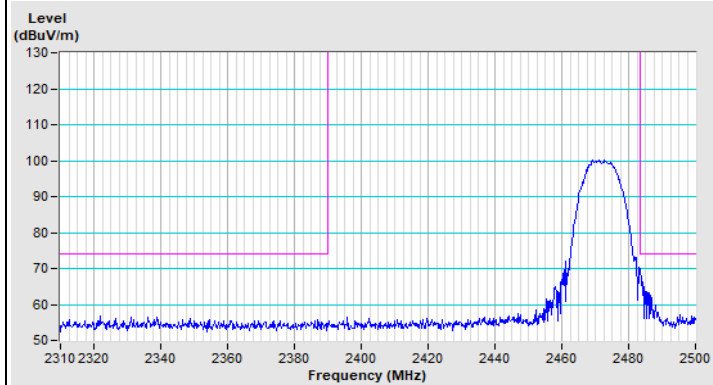


Vertical (Peak)

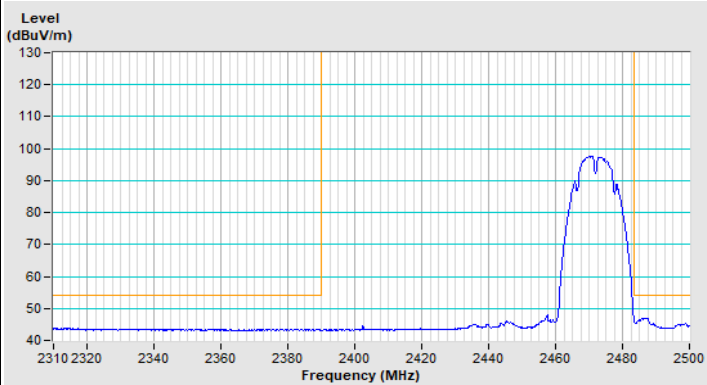


Vertical (Average)

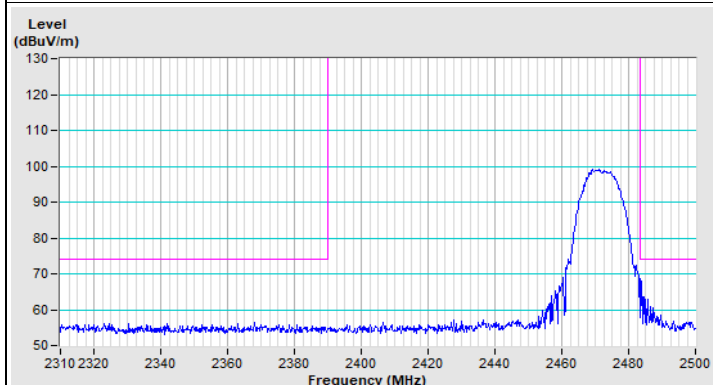
802.11b Channel 13



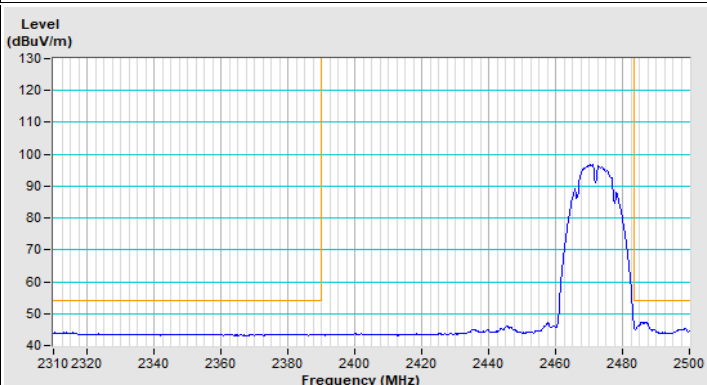
Horizontal (Peak)



Horizontal (Average)

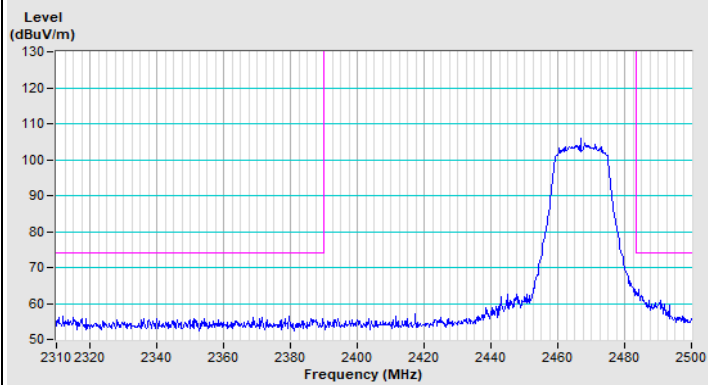


Vertical (Peak)

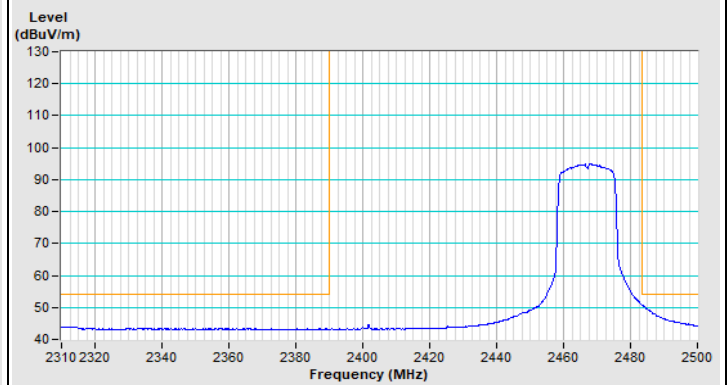


Vertical (Average)

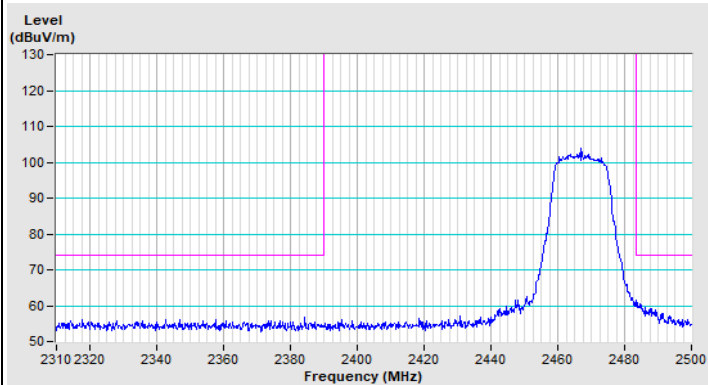
802.11g Channel 12



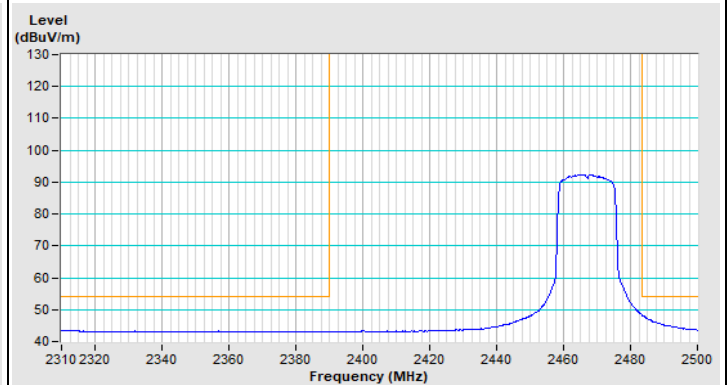
Horizontal (Peak)



Horizontal (Average)

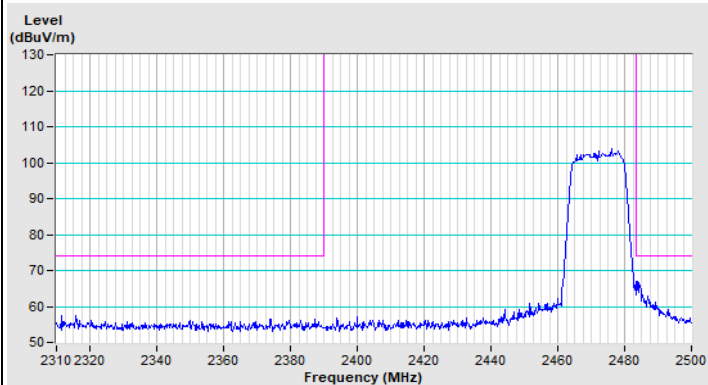


Vertical (Peak)

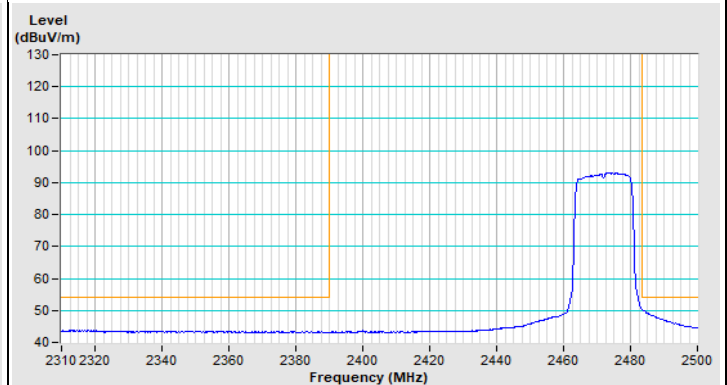


Vertical (Average)

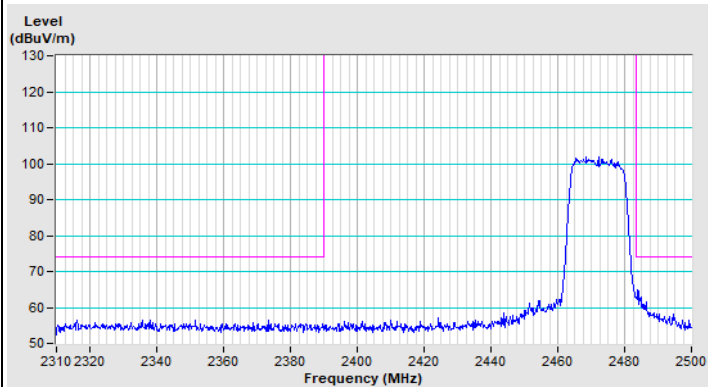
802.11g Channel 13



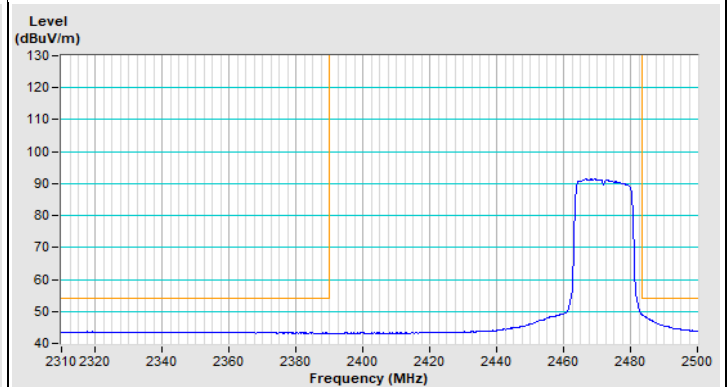
Horizontal (Peak)



Horizontal (Average)

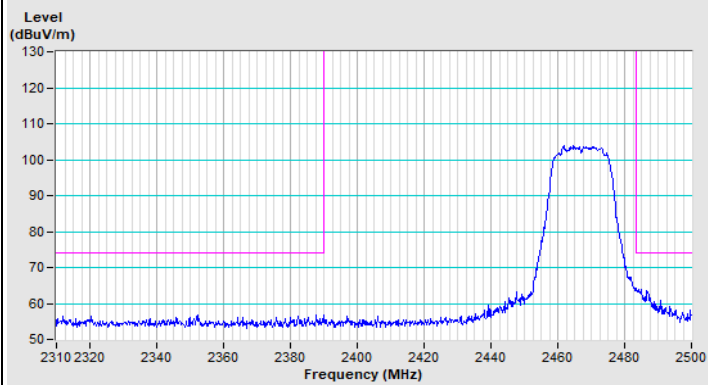


Vertical (Peak)

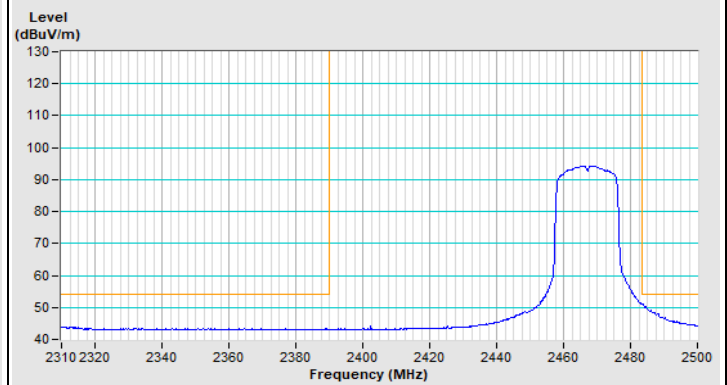


Vertical (Average)

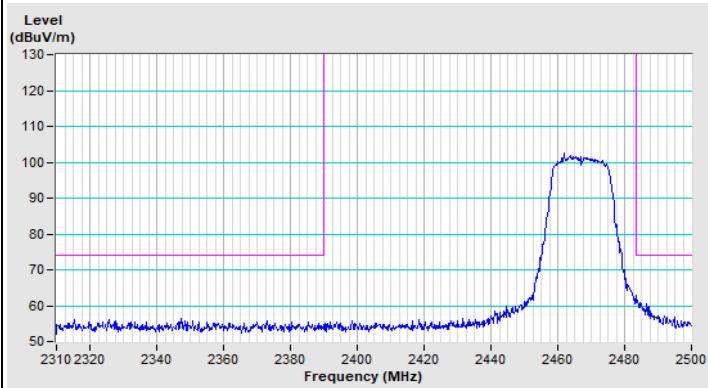
802.11n (HT20) Channel 12



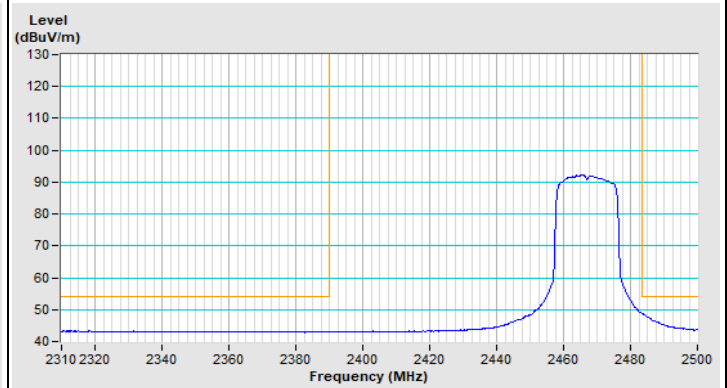
Horizontal (Peak)



Horizontal (Average)

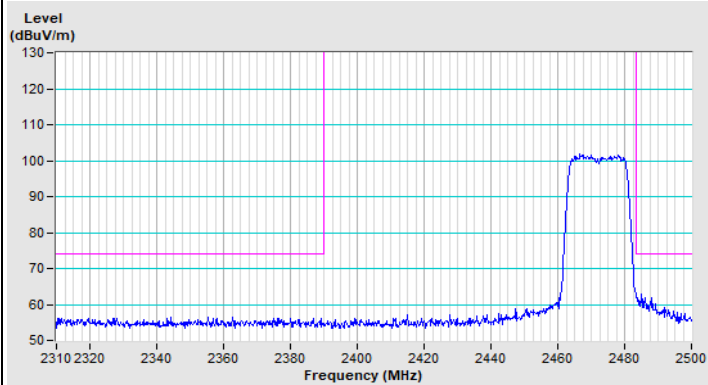


Vertical (Peak)

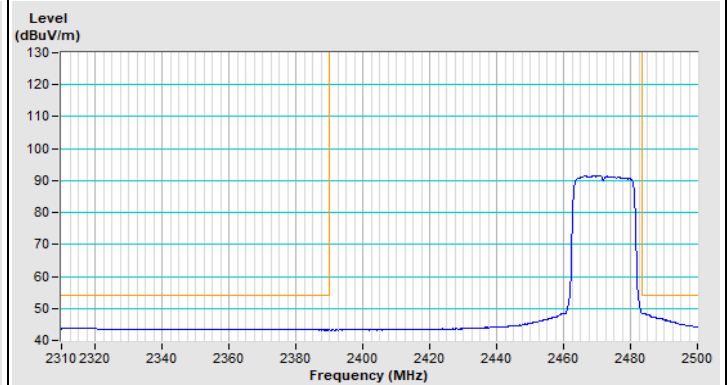


Vertical (Average)

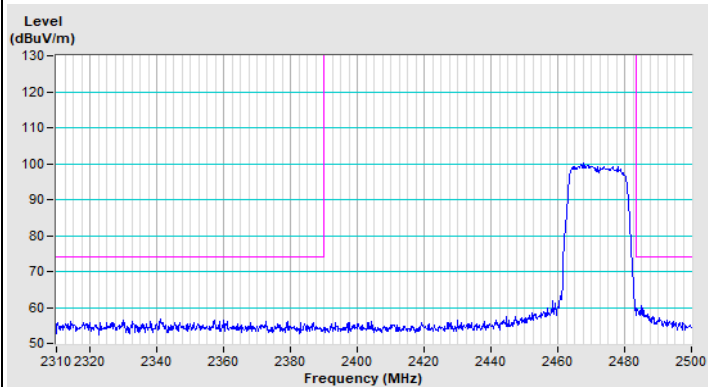
802.11n (HT20) Channel 13



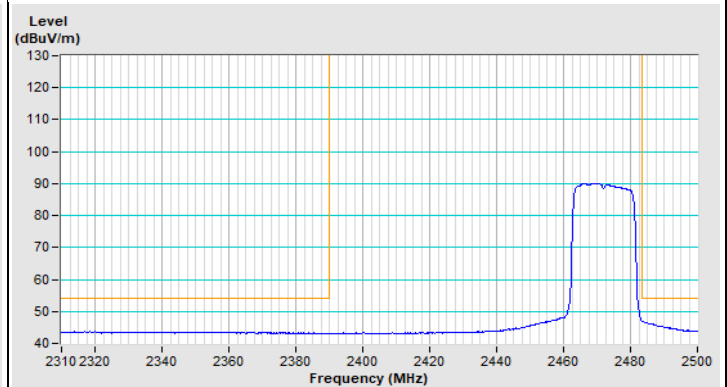
Horizontal (Peak)



Horizontal (Average)

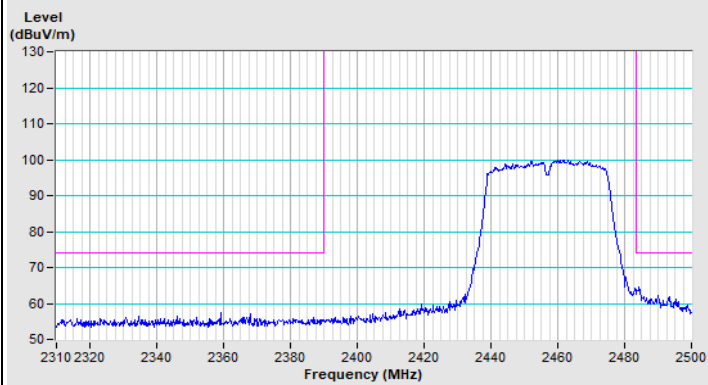


Vertical (Peak)

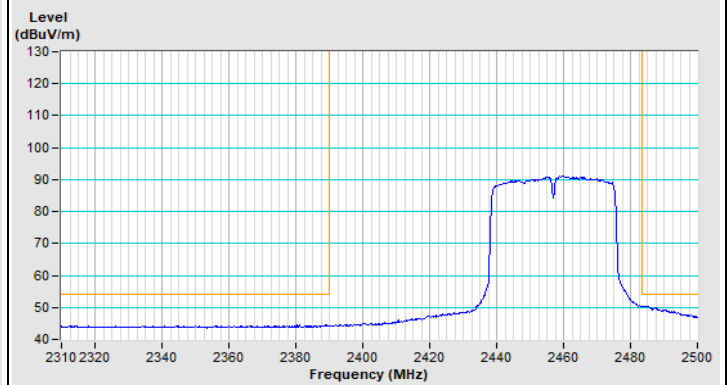


Vertical (Average)

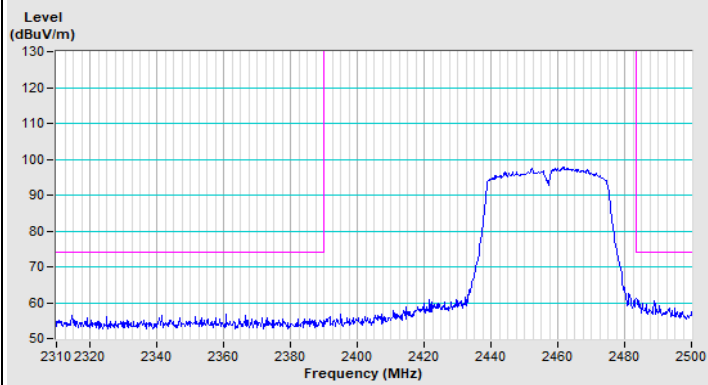
802.11n (HT40) Channel 10



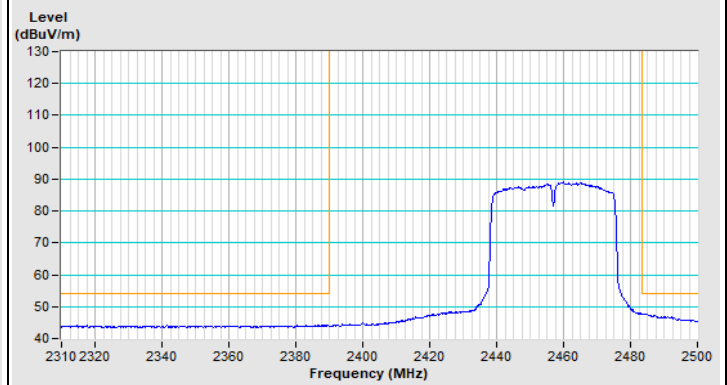
Horizontal (Peak)



Horizontal (Average)

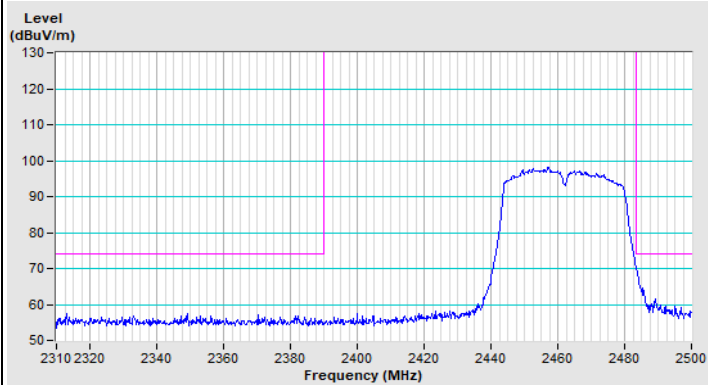


Vertical (Peak)

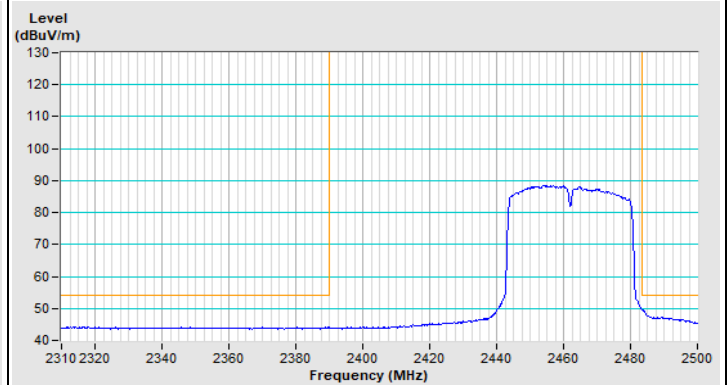


Vertical (Average)

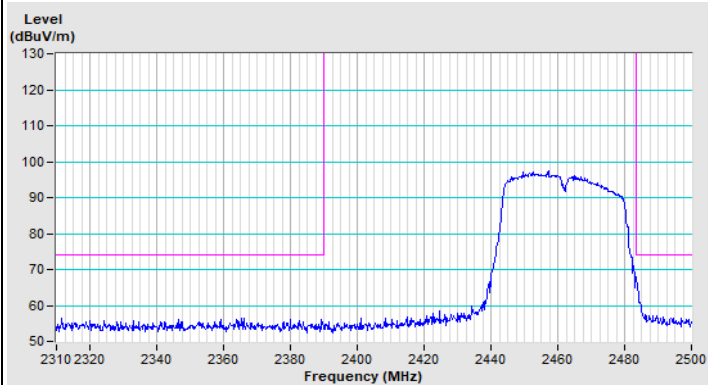
802.11n (HT40) Channel 11



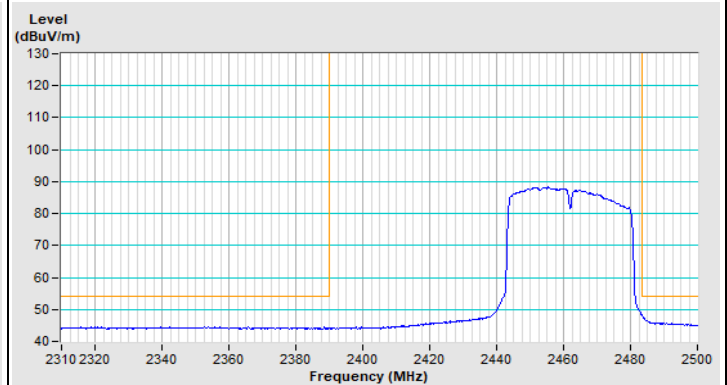
Horizontal (Peak)



Horizontal (Average)



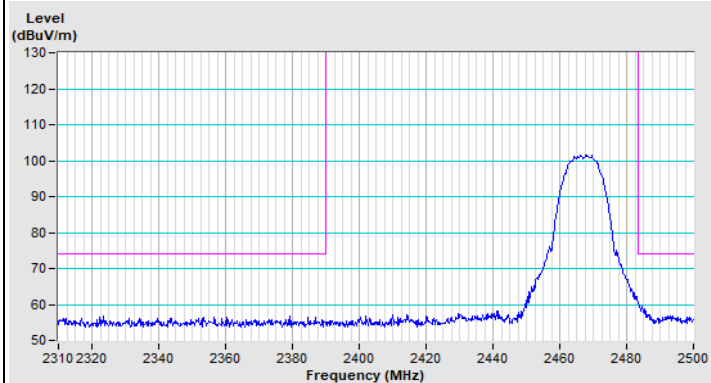
Vertical (Peak)



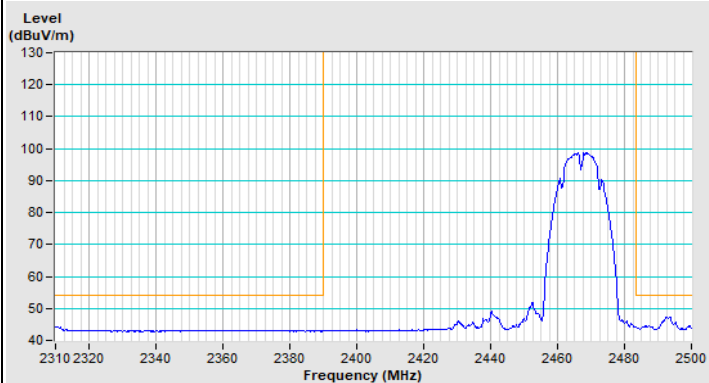
Vertical (Average)

Mode C

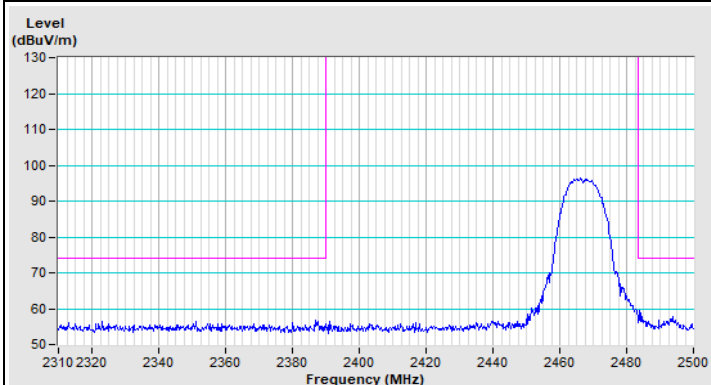
802.11b Channel 12



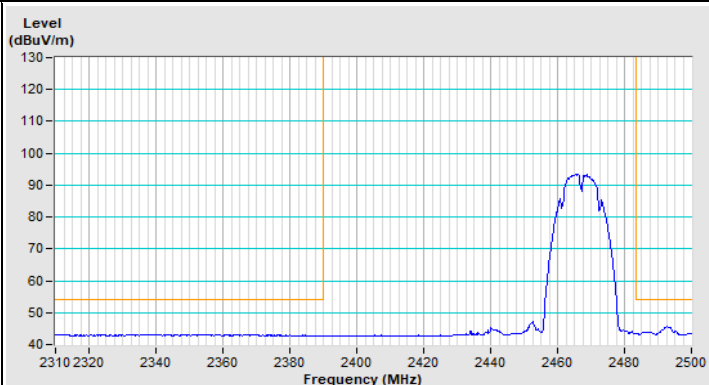
Horizontal (Peak)



Horizontal (Average)

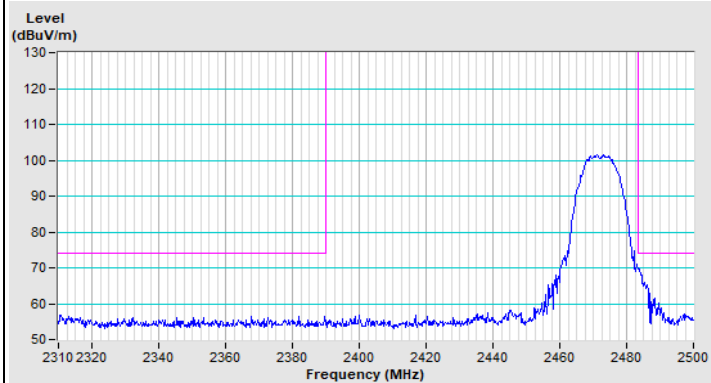


Vertical (Peak)

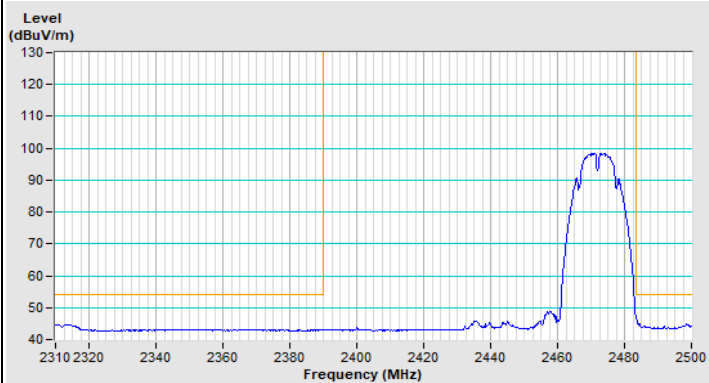


Vertical (Average)

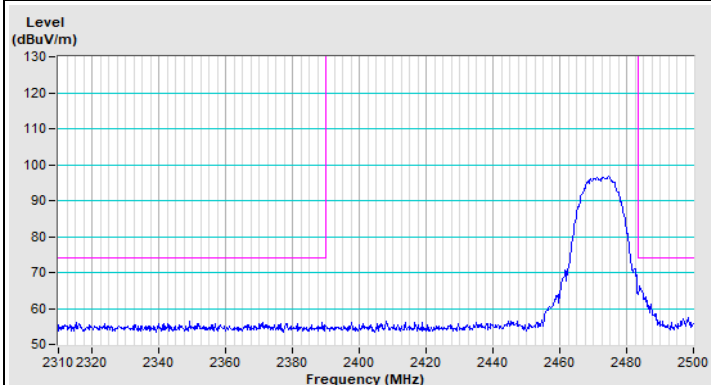
802.11b Channel 13



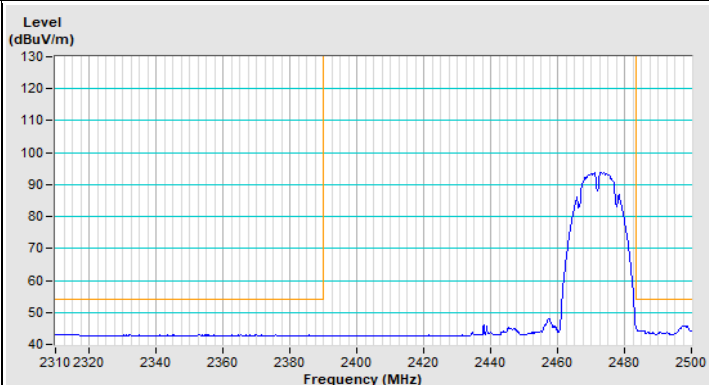
Horizontal (Peak)



Horizontal (Average)

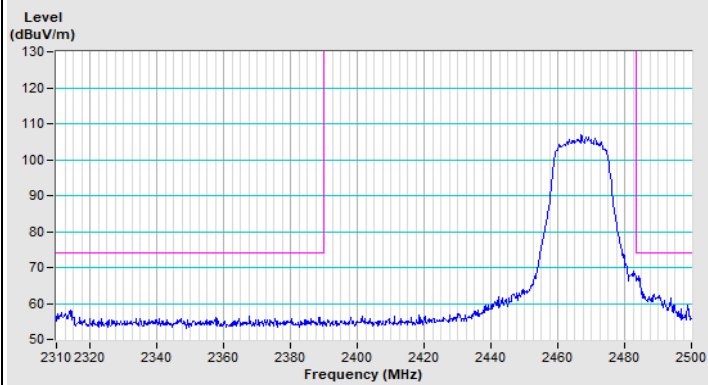


Vertical (Peak)

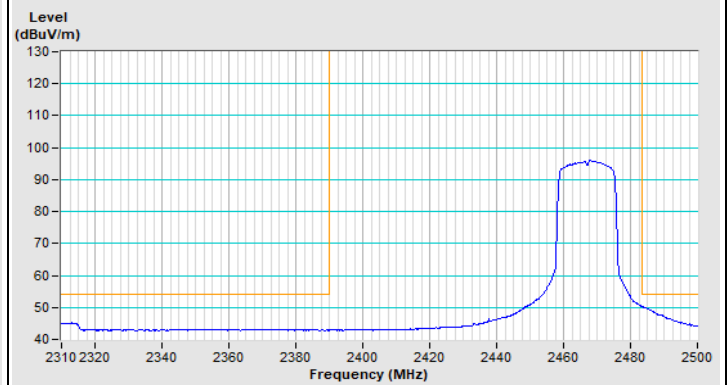


Vertical (Average)

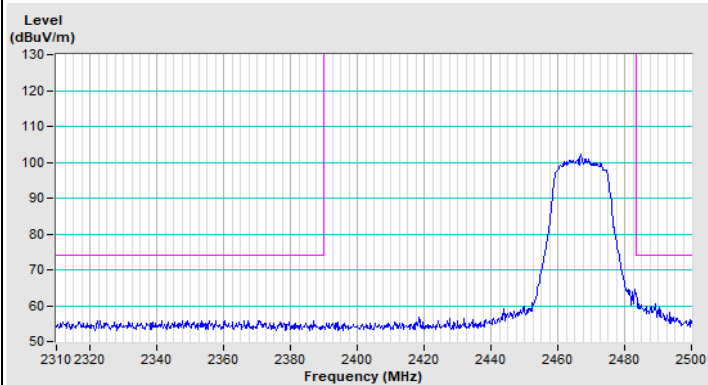
802.11g Channel 12



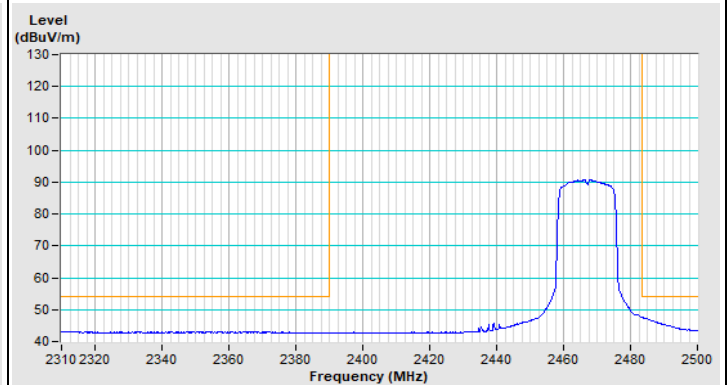
Horizontal (Peak)



Horizontal (Average)

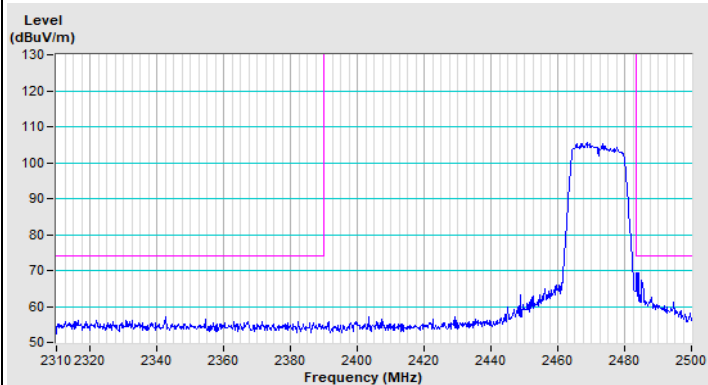


Vertical (Peak)

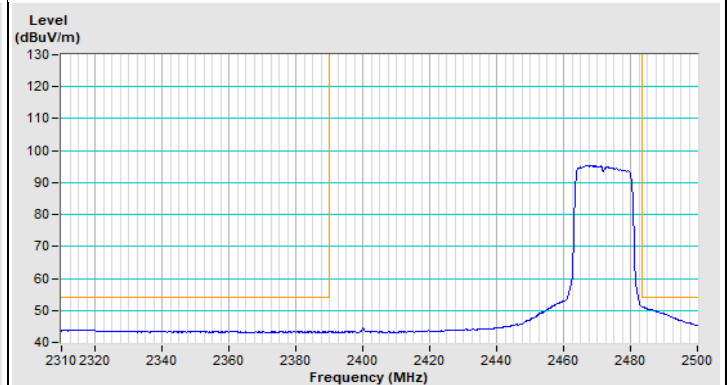


Vertical (Average)

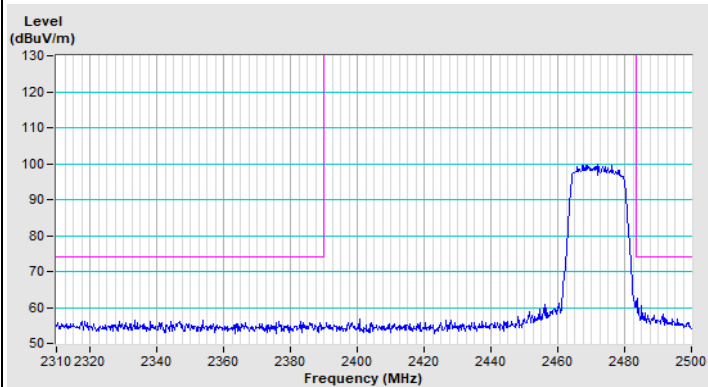
802.11g Channel 13



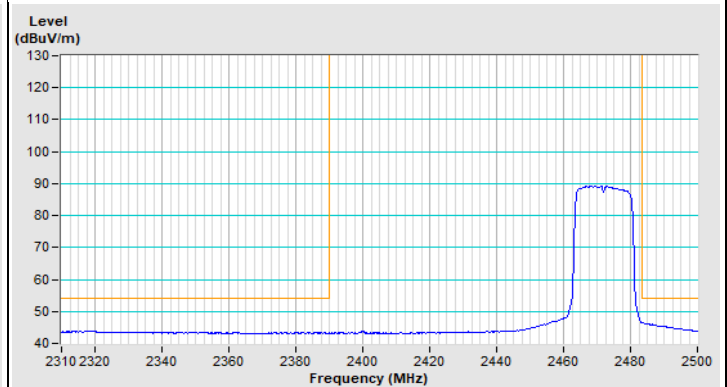
Horizontal (Peak)



Horizontal (Average)

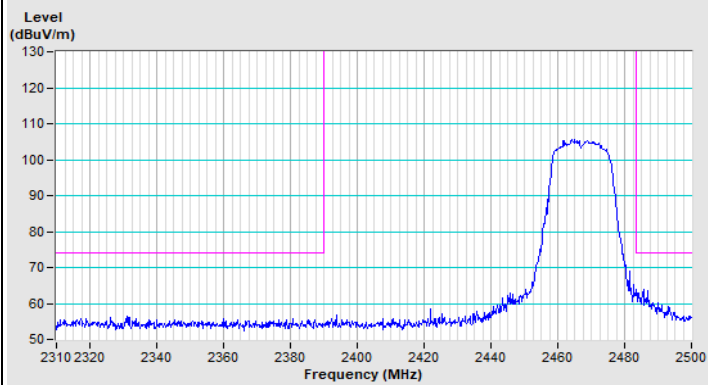


Vertical (Peak)

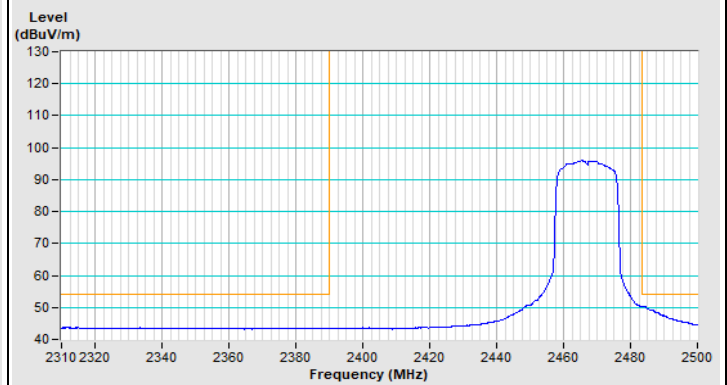


Vertical (Average)

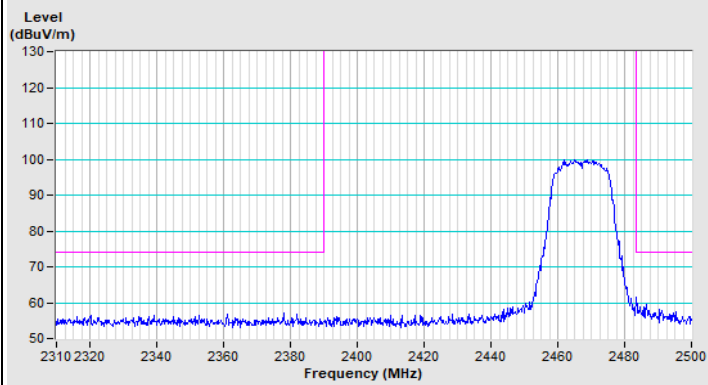
802.11n (HT20) Channel 12



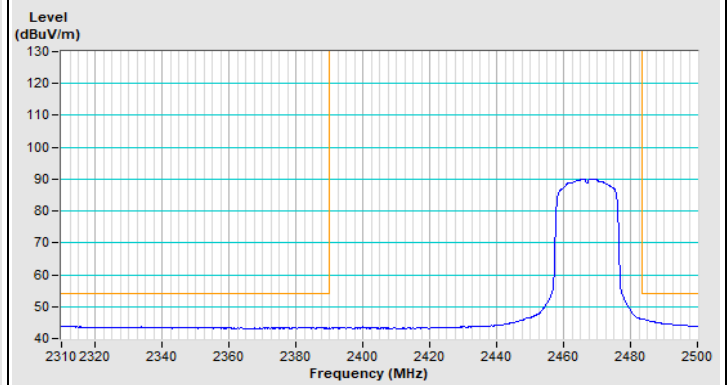
Horizontal (Peak)



Horizontal (Average)

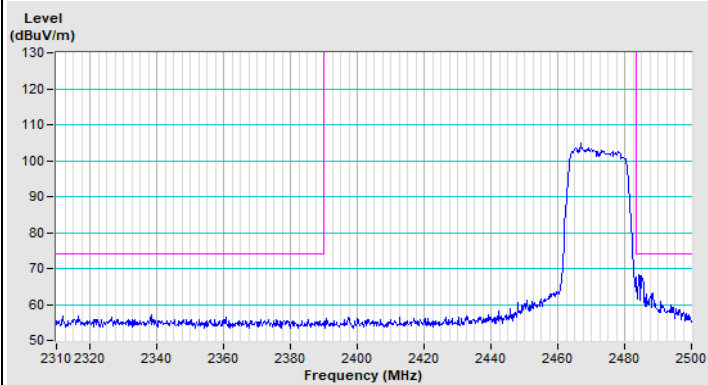


Vertical (Peak)

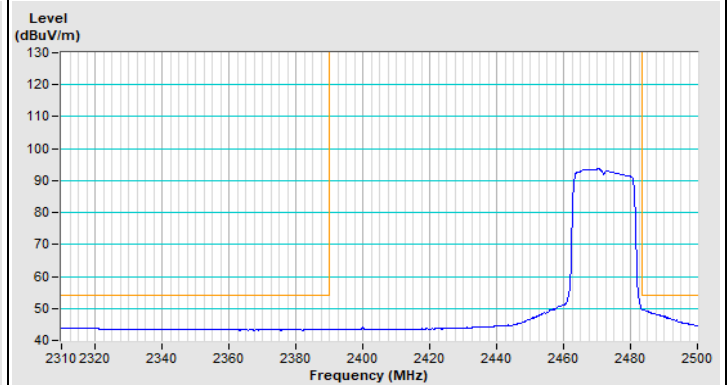


Vertical (Average)

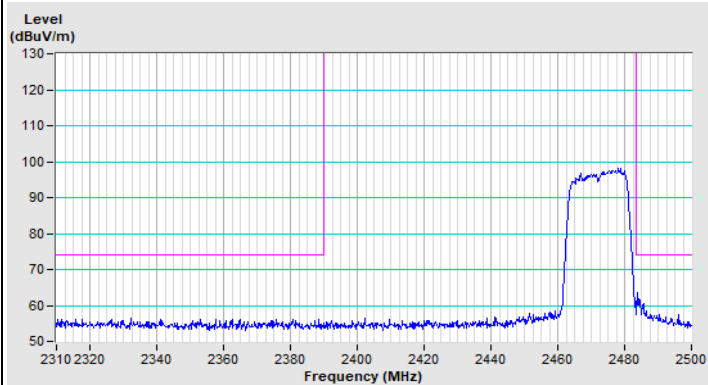
802.11n (HT20) Channel 13



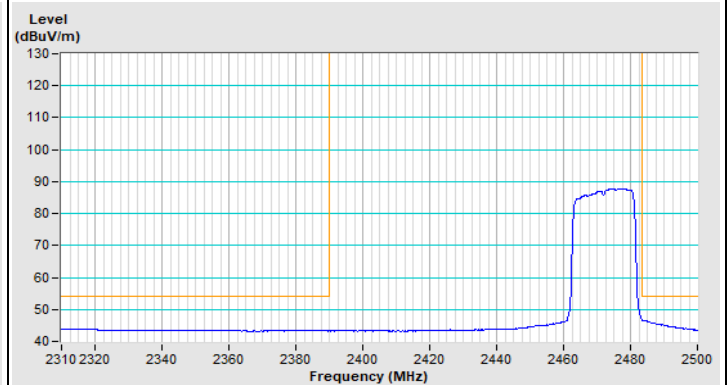
Horizontal (Peak)



Horizontal (Average)

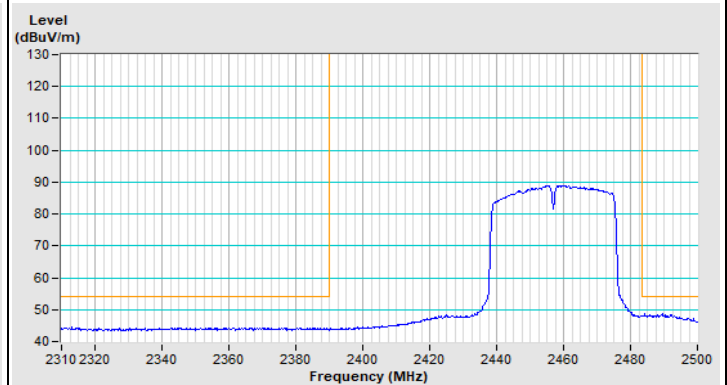
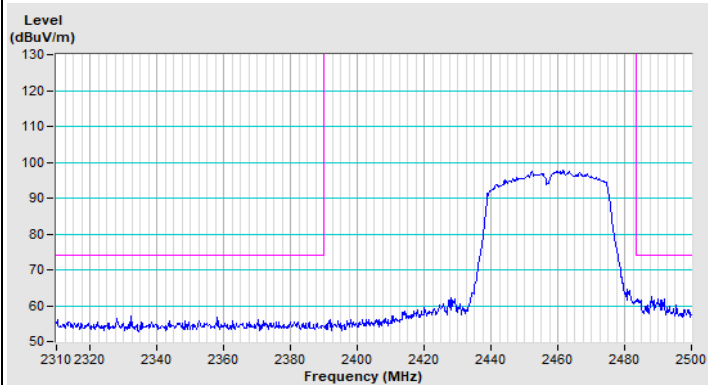
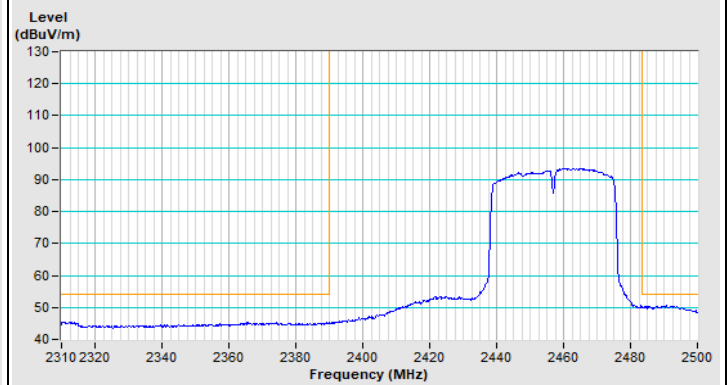
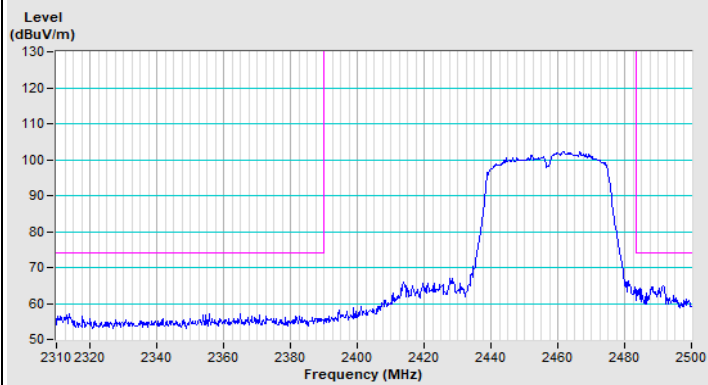


Vertical (Peak)

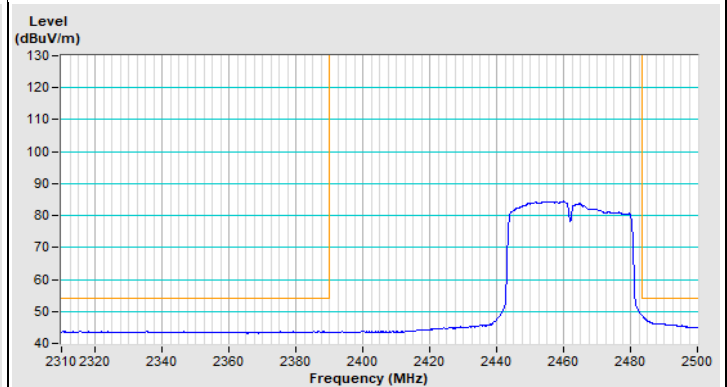
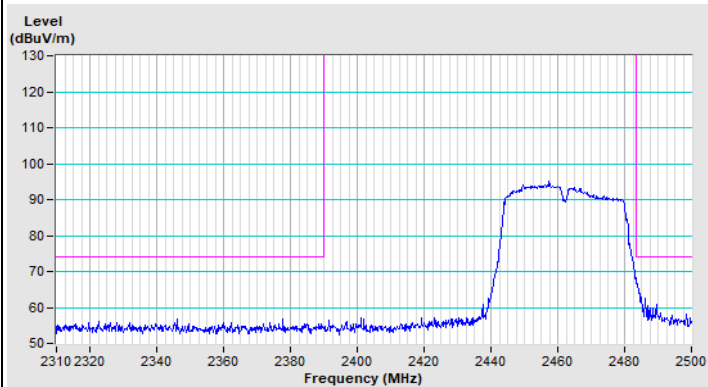
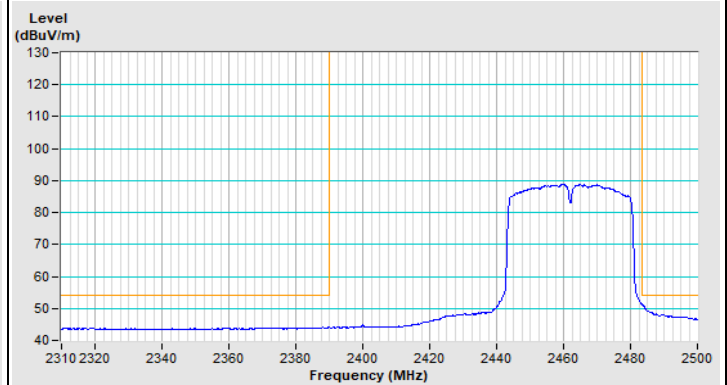
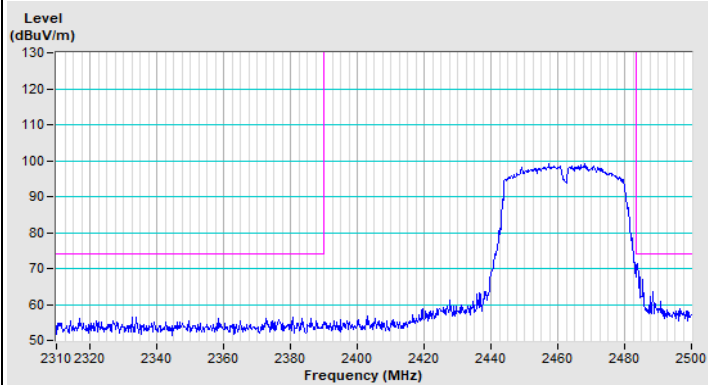


Vertical (Average)

802.11n (HT40) Channel 10

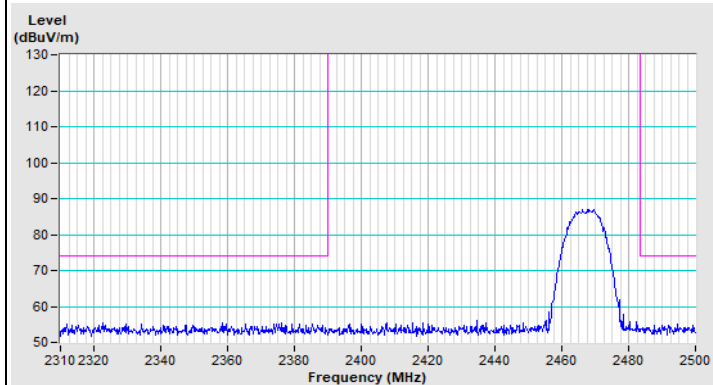


802.11n (HT40) Channel 11

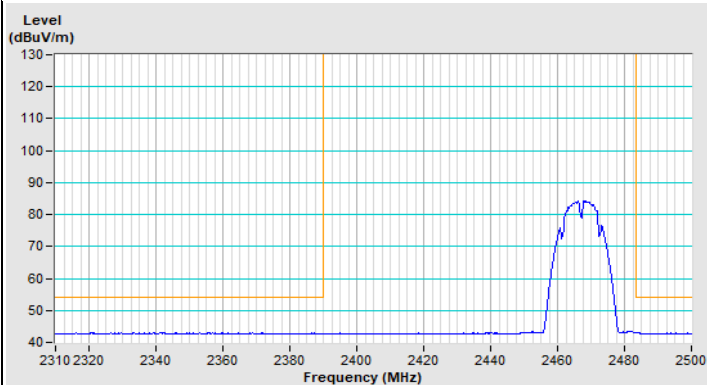


Mode D

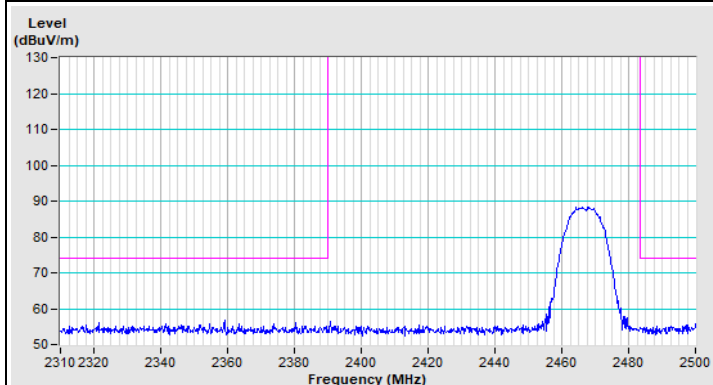
802.11b Channel 12



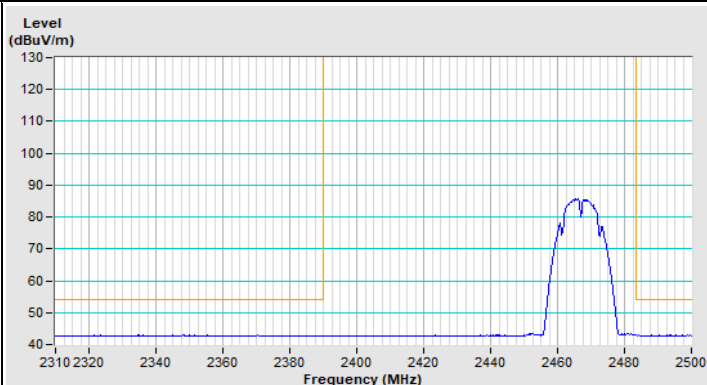
Horizontal (Peak)



Horizontal (Average)

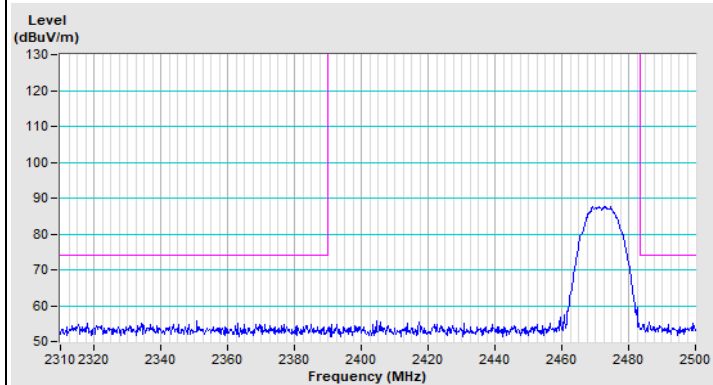


Vertical (Peak)

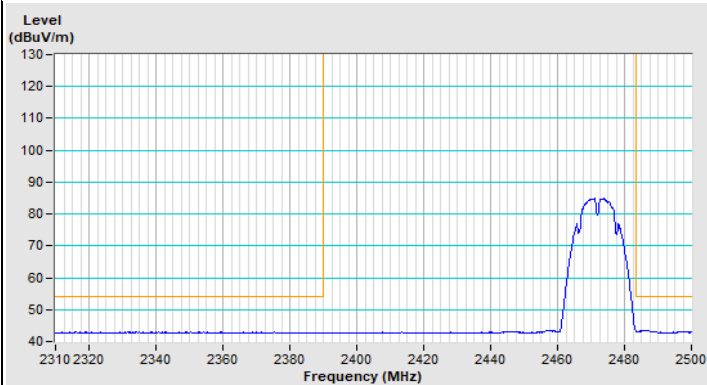


Vertical (Average)

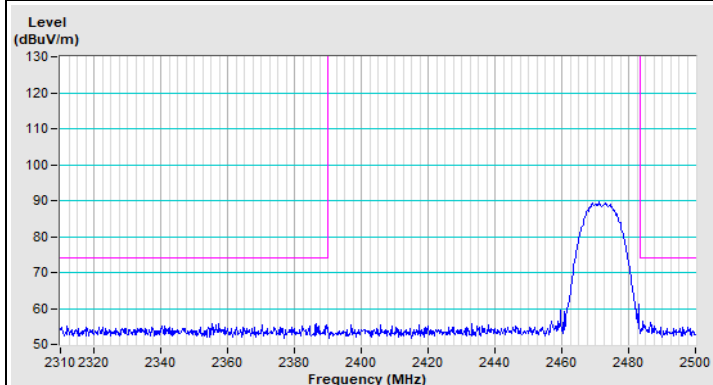
802.11b Channel 13



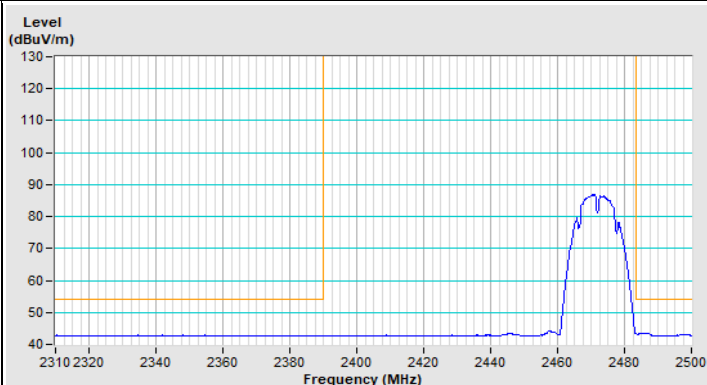
Horizontal (Peak)



Horizontal (Average)

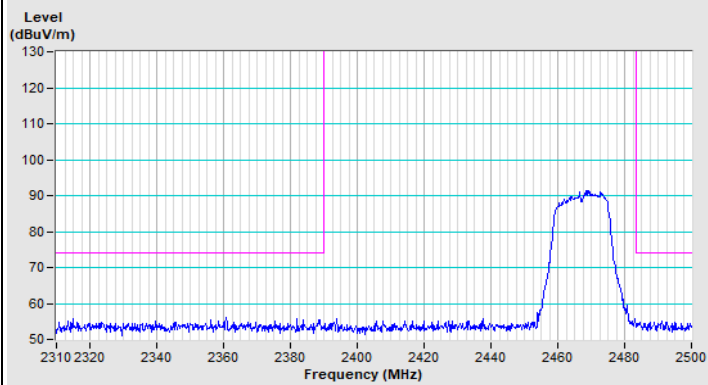


Vertical (Peak)

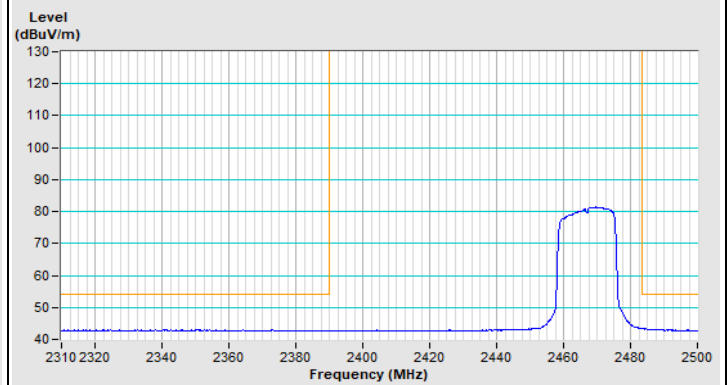


Vertical (Average)

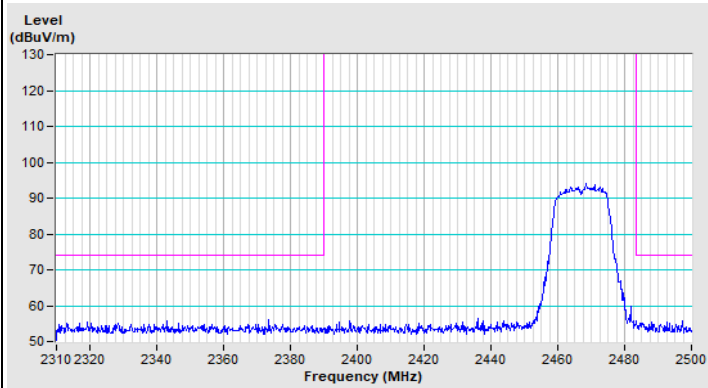
802.11g Channel 12



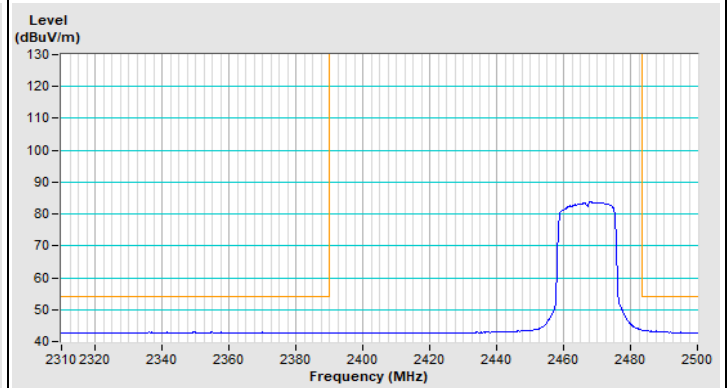
Horizontal (Peak)



Horizontal (Average)

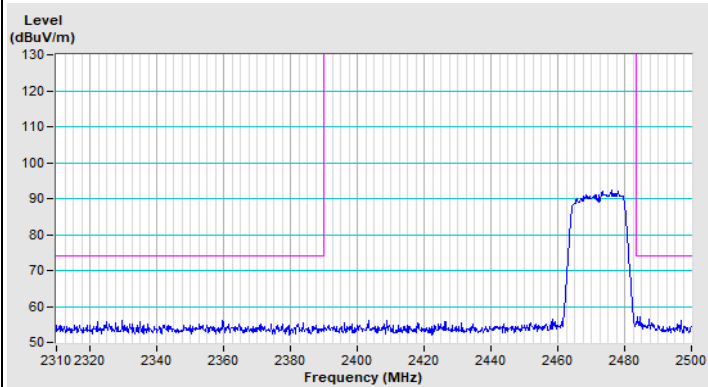


Vertical (Peak)

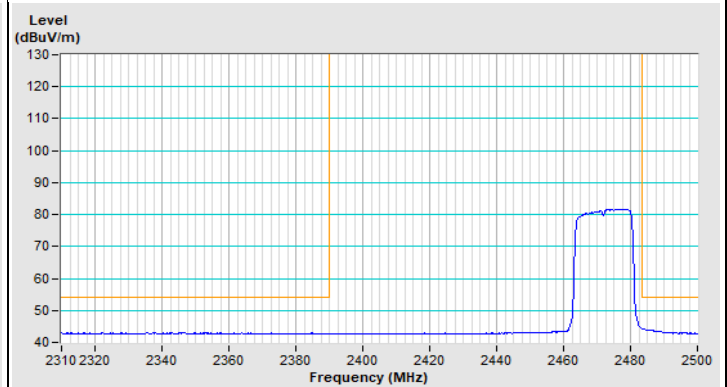


Vertical (Average)

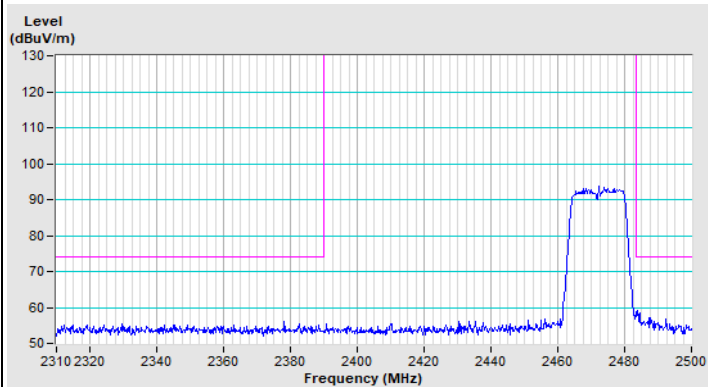
802.11g Channel 13



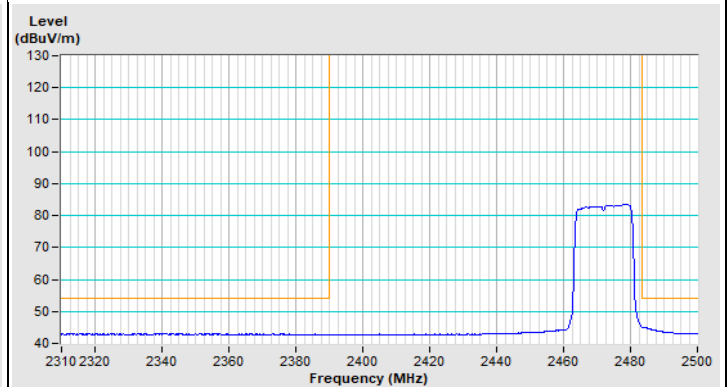
Horizontal (Peak)



Horizontal (Average)

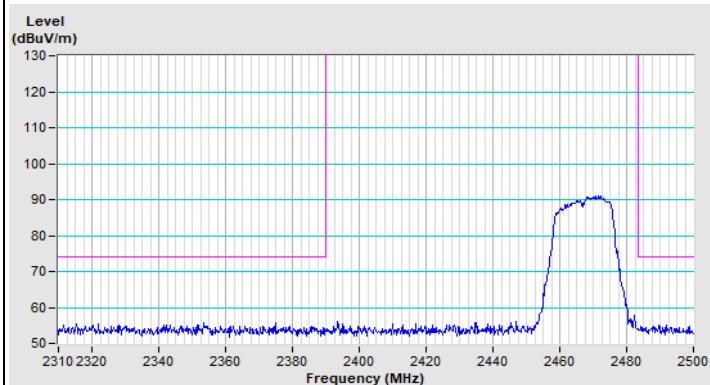


Vertical (Peak)

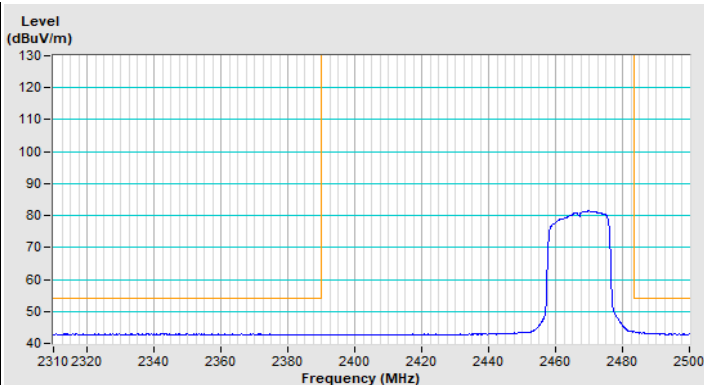


Vertical (Average)

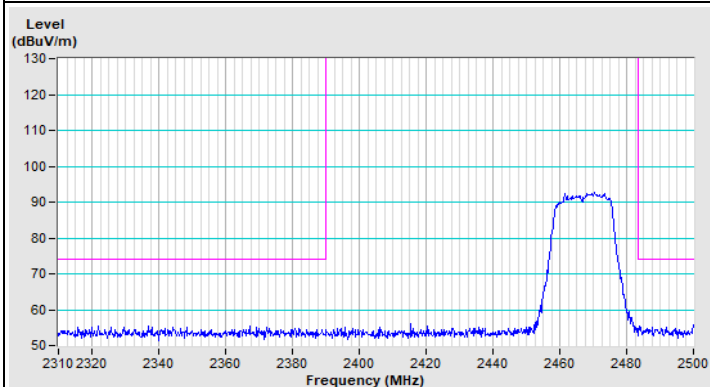
802.11n (HT20) Channel 12



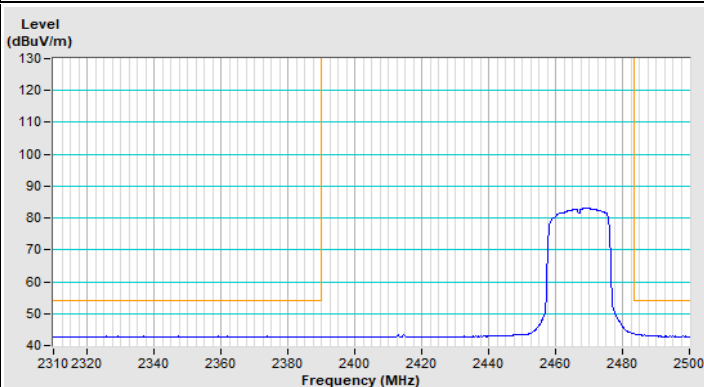
Horizontal (Peak)



Horizontal (Average)

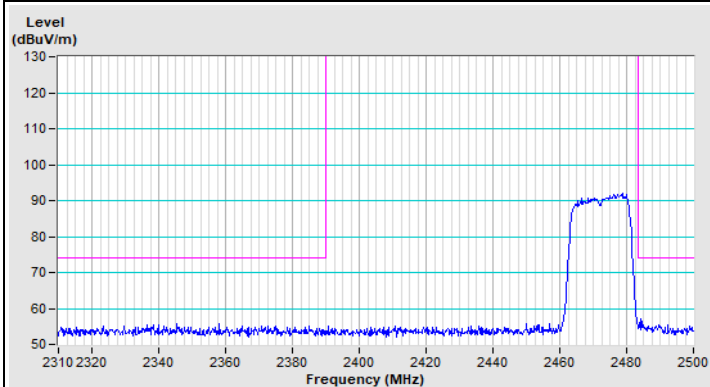


Vertical (Peak)

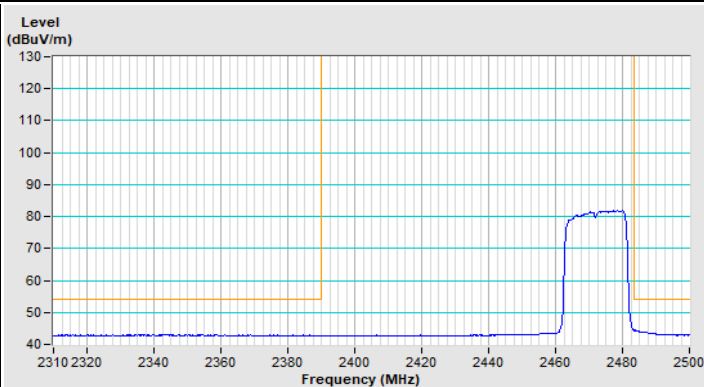


Vertical (Average)

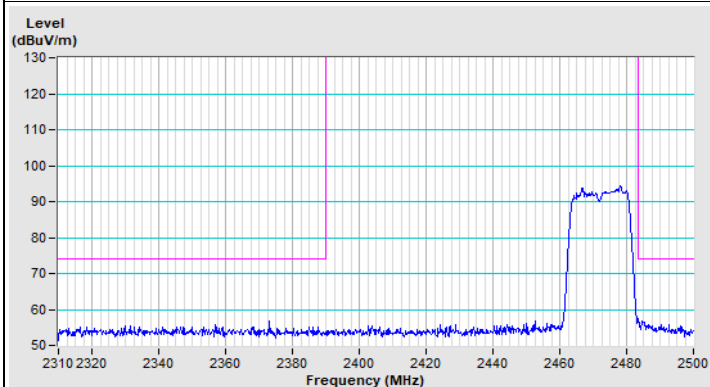
802.11n (HT20) Channel 13



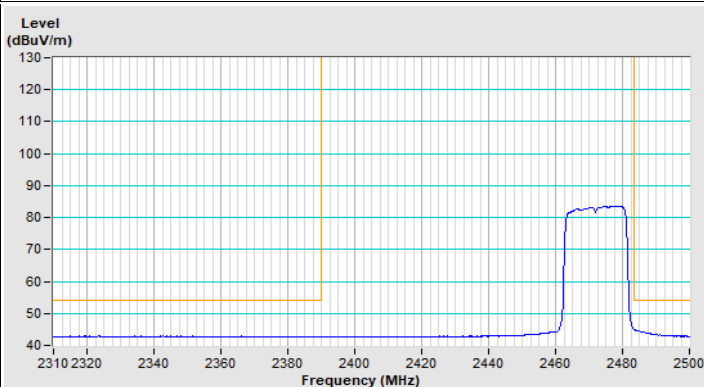
Horizontal (Peak)



Horizontal (Average)

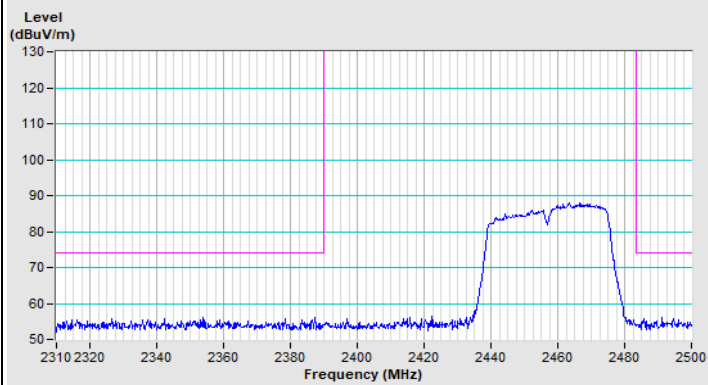


Vertical (Peak)

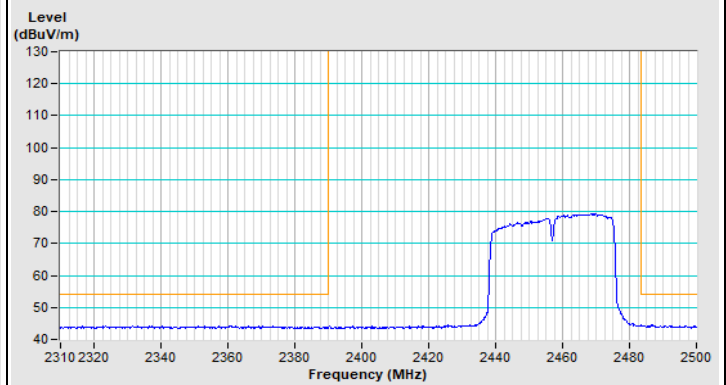


Vertical (Average)

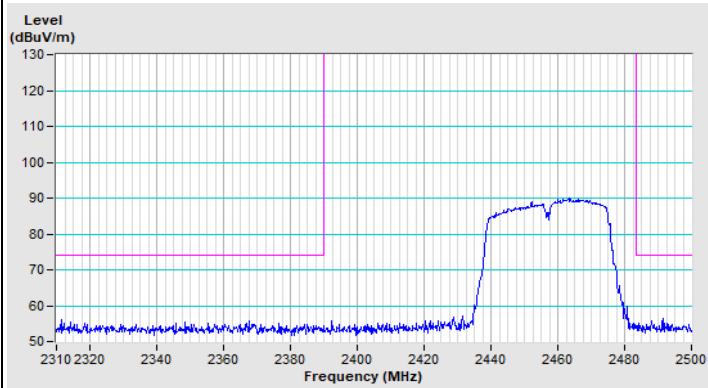
802.11n (HT40) Channel 10



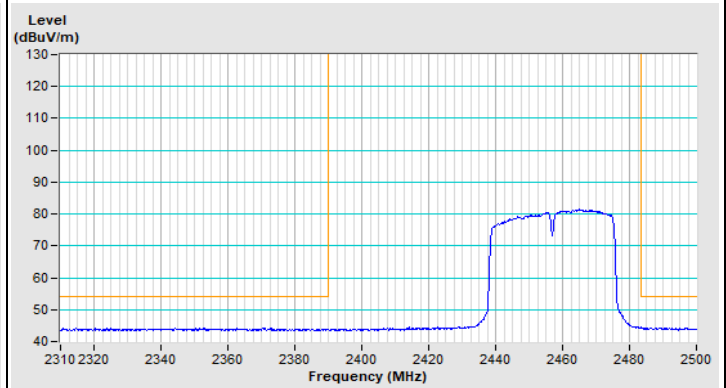
Horizontal (Peak)



Horizontal (Average)

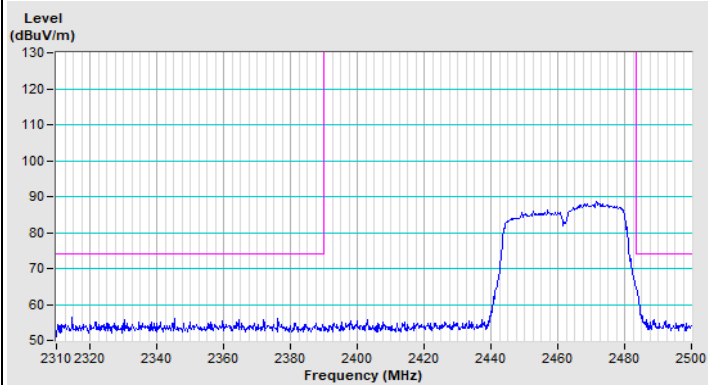


Vertical (Peak)

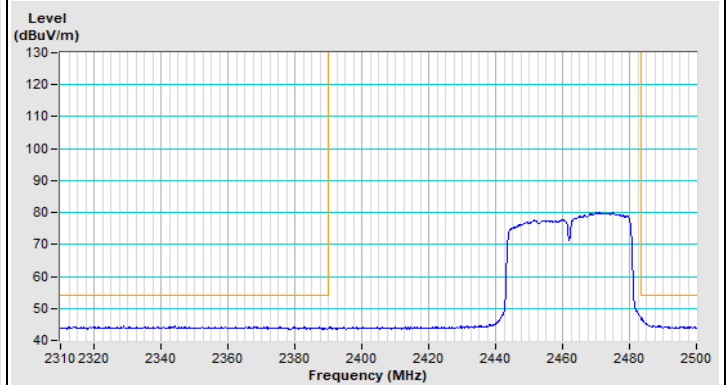


Vertical (Average)

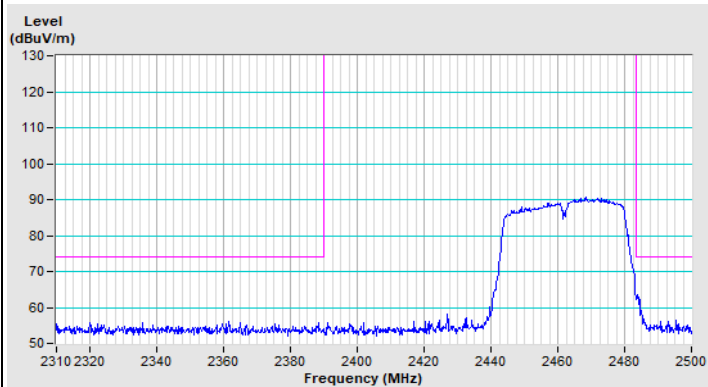
802.11n (HT40) Channel 11



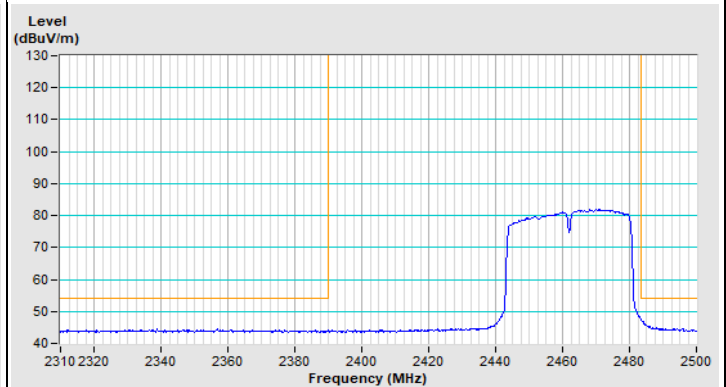
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Web Site: <http://ee.bureauveritas.com.tw>

The address and road map of all our labs can be found in our web site also.

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