

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBARR-WTW-P21030485L

FCC ID: RAS-MT7922A22M

Model No.: MT7922A22M

Received Date: 2022/2/5

Test Date: 2022/3/21 ~ 2022/3/29

Issued Date: 2022/4/8

Applicant: MediaTek Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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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: _____, **Date:** 2022/4/8
May Chen / Manager

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Prepared by : Vivian Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P21030485L	Original release.	2022/4/8

1 Certificate

Product: 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Brand: MediaTek
Test Model: MT7922A22M
Applicant: MediaTek Inc.
Test Date: 2022/3/21 ~ 2022/3/29
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
KDB 662911 D01 Multiple Transmitter Output v02r01

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	NA	Refer to Note 1 below
15.247(a)(2)	6 dB Bandwidth	NA	Refer to Note 1 below
15.247(d)	Conducted Out of Band Emissions	NA	Refer to Note 1 below
15.207	AC Power Conducted Emissions	NA	Refer to Note 1 below
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	NA	Refer to Note 1 below
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF) 、RP SMA PLUG or R-SMA not a standard connector.

Note:

1. RF Output Power & Unwanted Emissions above 1 GHz test items were performed for this addendum. The others testing data refer to original test report.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
3. This report is prepared for supplementary report.

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:

Measurement	Specification	Expanded Uncertainty (k=2) (±)
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 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	2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7922A22M
FW Version	V3.2.00.0040
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 256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz mode 1024QAM for OFDMA in 11ax mode only
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 300 Mbps VHT20/40: up to 400 Mbps 802.11ax: up to 573.5 Mbps
Operating Frequency	2412 ~ 2472 MHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 13 802.11n (HT40), VHT40, 802.11ax (HE40): 9
Output Power	704.271 mW (28.48 dBm)

Note:

- This report is prepared for FCC class II change. The difference compared with the Report No.: RFBARR-WTW-P21030485A (C2PC) and Report No.: RFBARR-WTW-P21030485K (C1PC). As the following:
 - ◆ Enable WiFi 6E 802.11a SISO mode through software change.
- According to above condition, only verify RF Output Power & Unwanted Emissions above 1 GHz tests according to original report worst channels. And all data were verified to meet the requirements.
- There are Bluetooth and WLAN (2.4GHz & 5GHz & 5.9GHz & 6GHz) technology used for the EUT.
- The equipment support 2 types of M.2 form factor A-E Key and E Key. E Key was selected as representative type for the test and its data was recorded in this report.
- Simultaneously transmission condition.

Condition	Technology	
1	WLAN (5GHz)	Bluetooth
2	WLAN (6GHz)	Bluetooth
3	WLAN (5.9GHz)	Bluetooth

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

- 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.

Ant. Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
2	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
3	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
4	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA	150
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA	150
5	Chain0	MSI	WA-P-LE-02-045 (Main)	2.24 2.68 3.01 -1.23 -1.96 -3.68	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	IPEX-4L	190
	Chain1	MSI	WA-P-LE-02-046 (Aux)	-2.96 1.16 0.99 -2.31 -2.54 -7.44	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	IPEX-4L	325
6	Chain0	PSA	RFPCA460632IMMB701	-13.20 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320mm
	Chain1	PSA	RFPCA460632IMMB701	-13.20 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320mm

7	Chain0	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	IPEX	300mm
	Chain1	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	IPEX	300mm

Note: For above antennas, max. gain was selected for the final test.

*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2. The EUT incorporates a MIMO function:

2.4 GHz Band				
MODULATION MODE	TX & RX CONFIGURATION		CDD mode	Beamforming mode
802.11b	2TX	2RX	Support	Not Support
802.11g	2TX	2RX	Support	Not Support
802.11n (HT20)	2TX	2RX	Support	Not Support
802.11n (HT40)	2TX	2RX	Support	Not Support
VHT20	2TX	2RX	Support	Not Support
VHT40	2TX	2RX	Support	Not Support
802.11ax (HE20)	2TX	2RX	Support	Not Support
802.11ax (HE40)	2TX	2RX	Support	Not Support

3.3 Channel List

11 channels are provided for 802.11b, 802.11g, 802.11n (HT20), VHT20 and 802.11ax (HE20):

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

7 channels are provided for 802.11n (HT40), VHT40 and 802.11ax (HE40):

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

3.4 Test Mode Applicability and Tested Channel Detail

Worst Case:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
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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
Unwanted Emissions above 1 GHz	A	802.11b	1, 6, 11, 12, 13	DBPSK	1Mb/s
		802.11g	6	BPSK	6Mb/s
		802.11ax (HE20)	6	BPSK	MCS0
		802.11ax (HE40)	6	BPSK	MCS0
	B	802.11b	1, 6, 11, 12, 13	DBPSK	1Mb/s
		802.11g	6	BPSK	6Mb/s
		802.11ax (HE20)	6	BPSK	MCS0
		802.11ax (HE40)	6	BPSK	MCS0
RF Output Power	A	802.11b	1, 6, 11, 12, 13	DBPSK	1Mb/s
		802.11g	6	BPSK	6Mb/s
		802.11ax (HE20)	6	BPSK	MCS0
		802.11ax (HE40)	6	BPSK	MCS0
EUT Configure Mode:	A	EUT with PIFA antenna			
	B	EUT with Dipole antenna			

Note:

1. The EUT's PIFA antenna had been pre-tested on the positioned of each 3 axis. The worst case found when positioned on Z-place.

3.5 Duty Cycle of Test Signal

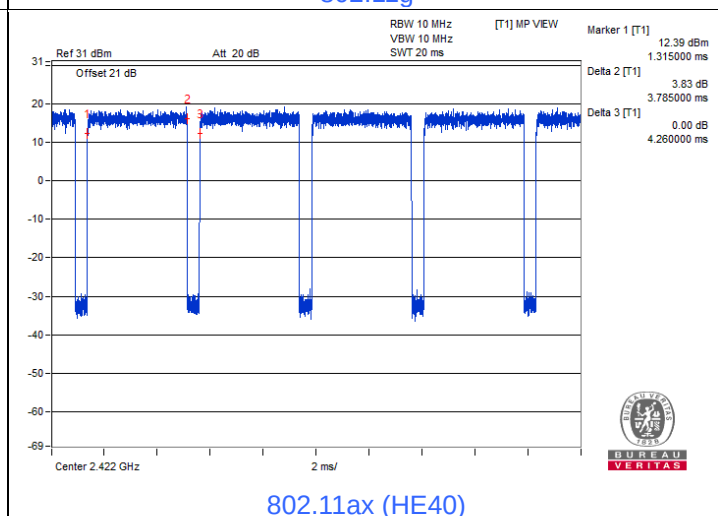
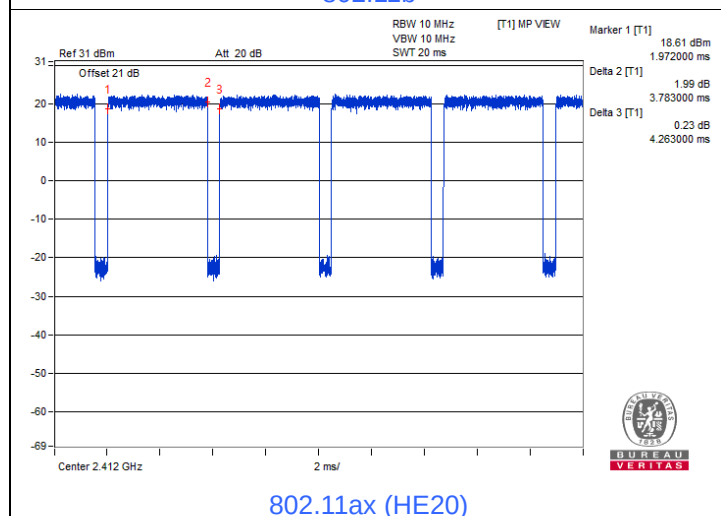
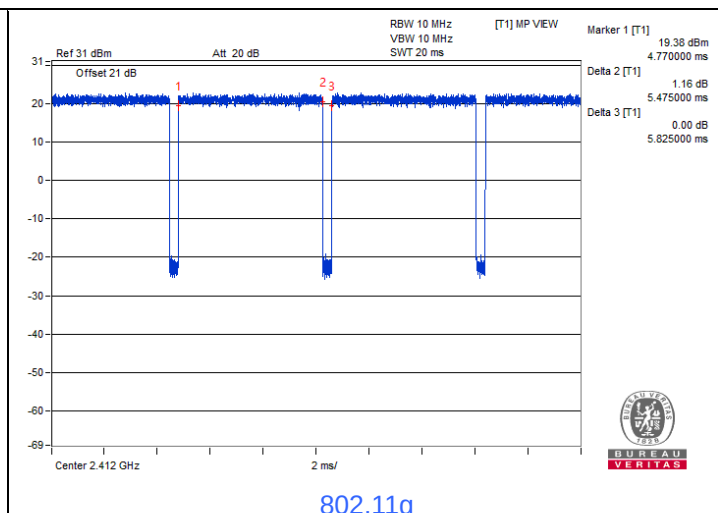
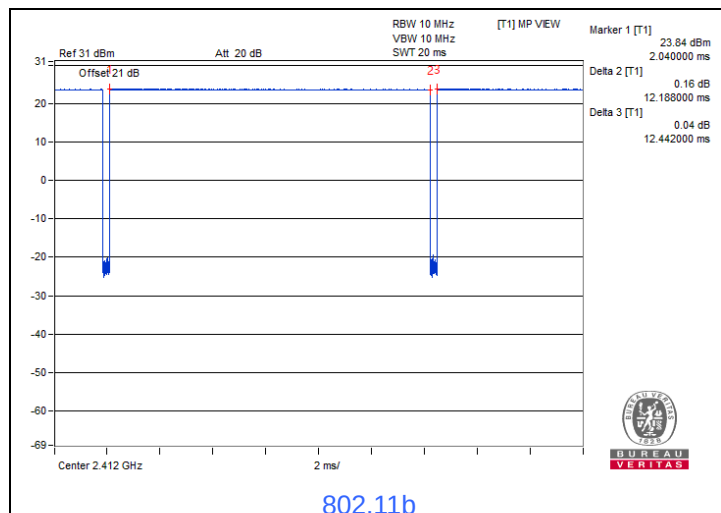
Duty cycle of test signal is $\geq 98\%$, duty factor is not required.
Duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11b: Duty cycle = $12.188 \text{ ms} / 12.442 \text{ ms} \times 100\% = 98.0\%$

802.11g: Duty cycle = $5.475 \text{ ms} / 5.825 \text{ ms} \times 100\% = 94.0\%$, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.27 \text{ dB}$

802.11ax (HE20): Duty cycle = $3.783 \text{ ms} / 4.263 \text{ ms} \times 100\% = 88.7\%$, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.52 \text{ dB}$

802.11ax (HE40): Duty cycle = $3.785 \text{ ms} / 4.26 \text{ ms} \times 100\% = 88.8\%$, duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.51 \text{ dB}$

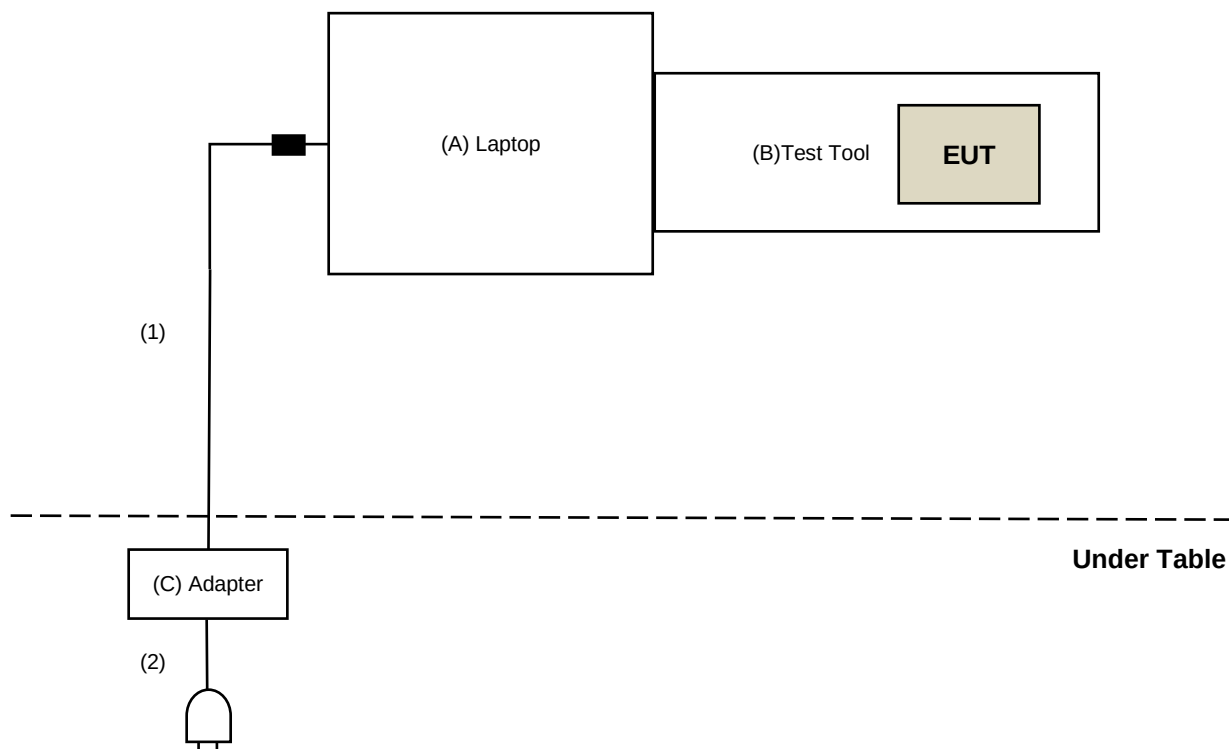


3.6 Test Program Used and Operation Descriptions

Controlling software (QAtool_7922_HQA_20210310) 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 Radiated Emission test



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	HYV4VY1	DoC	Provided by Lab
B	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by client
C	Adapter	Dell	LA65NS2-01	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Provided by Lab
2	AC Cable	1	1.8	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
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2021/4/13	2022/4/12
Power Meter Anritsu	ML2495A	1529002	2021/6/21	2022/6/20
Pulse Power Sensor Anritsu	MA2411B	1339443	2021/5/31	2022/5/30
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100964	2021/5/31	2022/5/30

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/3/29

4.2 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2021/11/14	2022/11/13
	BBHA 9170	9170-739	2021/11/14	2022/11/13
Pre_Amplifier EMCI	EMC 12630 SE	980638	2021/4/7	2022/4/6
	EMC184045SE	980387	2022/1/10	2023/1/9
RF Cable-Frequency Range : 1- 26.5GHz EMCI	EMC104-SM-SM-1200	160922	2021/12/24	2022/12/23
RF Cable-Frequency range: 1- 40GHz EMCI	EMC102-KM-KM-1200	160924	2022/1/10	2023/1/9
RF Coaxial Cable EMCI	EMC104-SM-SM-2000	180502	2021/4/26	2022/4/25
	EMC104-SM-SM-6000	210704	2021/11/9	2022/11/8
	EMC-KM-KM-4000	200214	2022/3/8	2023/3/7
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Test Receiver Agilent	N9038A	MY51210202	2021/11/19	2022/11/18

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2022/3/21 ~ 2022/3/22

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)

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

5.2 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

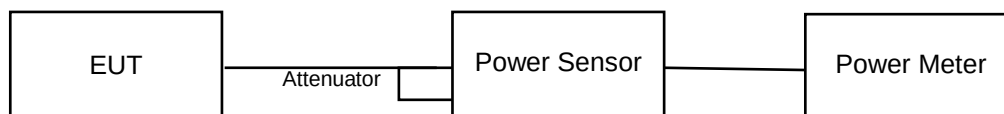
Notes:

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.

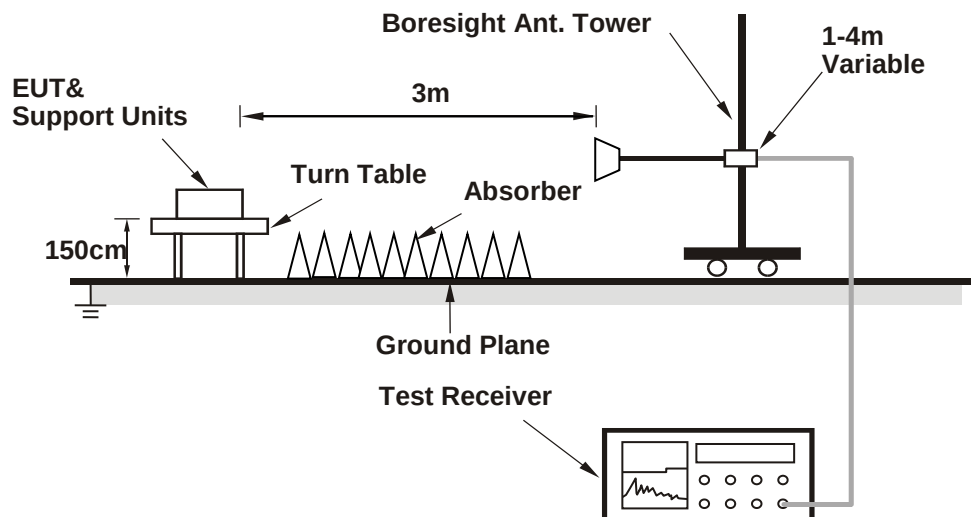
Average Power:

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 Unwanted Emissions above 1 GHz

6.2.1 Test Setup

For Radiated emission above 1 GHz



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

6.2.2 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) at frequency above 1 GHz.
- 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:	24 °C, 62 % RH	Tested By:	Eric Peng
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For Peak Power

802.11b

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	23.66	24.15	492.29	26.92	30	Pass
6	2437	23.62	24.01	481.912	26.83	30	Pass
11	2462	22.14	23.11	368.326	25.66	30	Pass
12	2467	20.11	20.56	216.328	23.35	30	Pass
13	2472	16.33	16.91	92.044	19.64	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.18 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
6	2437	25.60	25.33	704.271	28.48	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.18 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
6	2437	20.57	25.72	487.275	26.88	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.18 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
6	2437	22.80	23.25	401.895	26.04	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.18 dBi < 6 dBi, so the output power limit shall not be reduced.

For Average Power

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	21.42	21.89	293.201	24.67
6	2437	21.28	21.86	287.738	24.59
11	2462	19.75	20.67	211.087	23.24
12	2467	17.72	17.99	122.107	20.87
13	2472	13.59	13.83	47.011	16.72

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
6	2437	20.48	20.74	230.263	23.62

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
6	2437	20.19	20.56	218.235	23.39

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
6	2437	17.73	18.25	126.127	21.01

7.2 Unwanted Emissions above 1 GHz

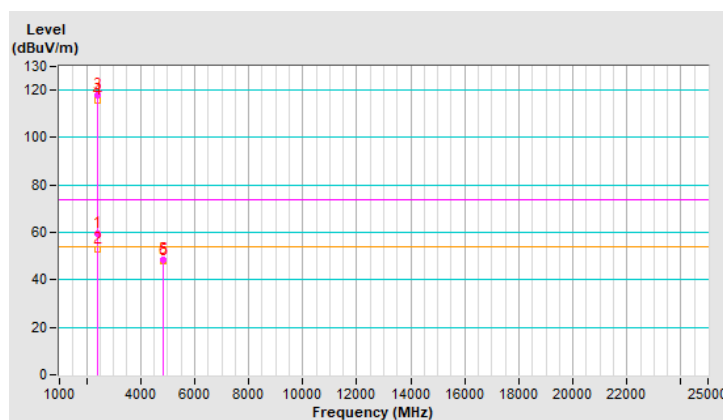
Mode A

RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	59.7 PK	74.0	-14.3	2.63 H	52	64.2	-4.5
2	2390.00	53.1 AV	54.0	-0.9	2.63 H	52	57.6	-4.5
3	*2412.00	118.0 PK			2.63 H	52	122.5	-4.5
4	*2412.00	115.7 AV			2.63 H	52	120.2	-4.5
5	4824.00	48.4 PK	74.0	-25.6	2.67 H	277	48.4	0.0
6	4824.00	48.0 AV	54.0	-6.0	2.67 H	277	48.0	0.0

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.

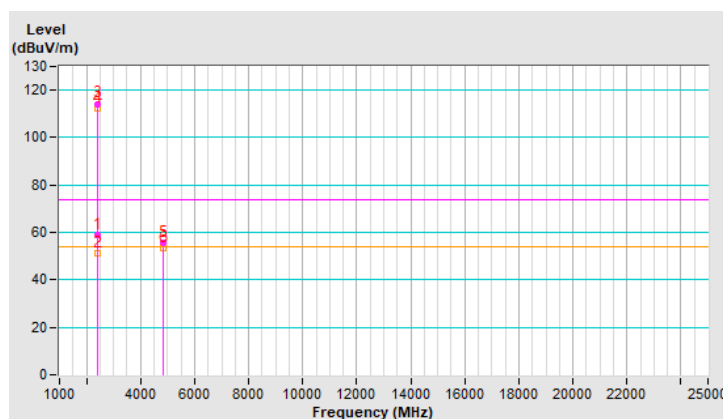


RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	58.8 PK	74.0	-15.2	1.20 V	285	63.3	-4.5
2	2390.00	51.2 AV	54.0	-2.8	1.20 V	285	55.7	-4.5
3	*2412.00	114.3 PK			1.20 V	285	118.8	-4.5
4	*2412.00	112.5 AV			1.20 V	285	117.0	-4.5
5	4824.00	55.5 PK	74.0	-18.5	1.31 V	202	55.5	0.0
6	4824.00	53.6 AV	54.0	-0.4	1.31 V	202	53.6	0.0

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.

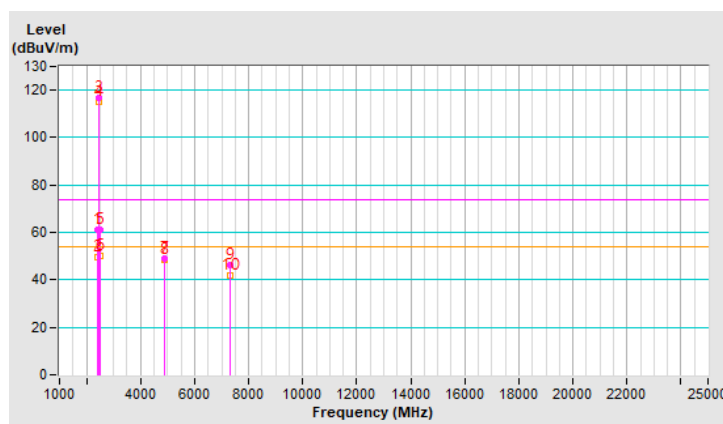


RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	61.0 PK	74.0	-13.0	2.69 H	78	65.5	-4.5
2	2390.00	49.8 AV	54.0	-4.2	2.69 H	78	54.3	-4.5
3	*2437.00	117.0 PK			2.69 H	78	121.5	-4.5
4	*2437.00	115.1 AV			2.69 H	78	119.6	-4.5
5	2483.50	61.0 PK	74.0	-13.0	2.69 H	78	65.5	-4.5
6	2483.50	50.0 AV	54.0	-4.0	2.69 H	78	54.5	-4.5
7	4874.00	48.9 PK	74.0	-25.1	2.64 H	283	49.1	-0.2
8	4874.00	48.4 AV	54.0	-5.6	2.64 H	283	48.6	-0.2
9	7311.00	46.5 PK	74.0	-27.5	1.84 H	61	40.3	6.2
10	7311.00	41.6 AV	54.0	-12.4	1.84 H	61	35.4	6.2

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.

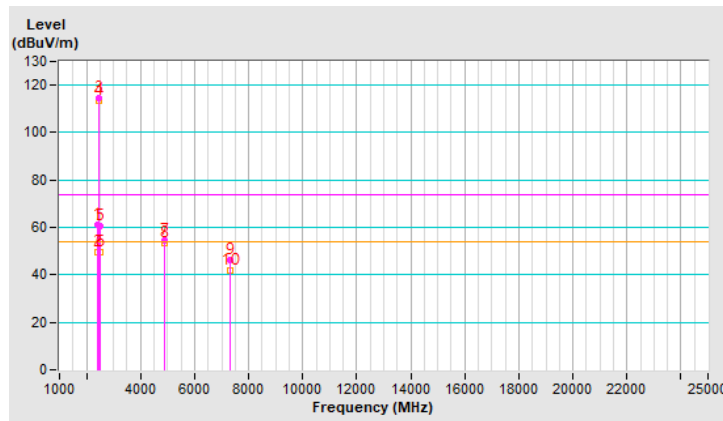


RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	61.0 PK	74.0	-13.0	1.21 V	286	65.5	-4.5
2	2390.00	49.7 AV	54.0	-4.3	1.21 V	286	54.2	-4.5
3	*2437.00	114.7 PK			1.21 V	286	119.2	-4.5
4	*2437.00	113.2 AV			1.21 V	286	117.7	-4.5
5	2483.50	60.8 PK	74.0	-13.2	1.21 V	286	65.3	-4.5
6	2483.50	49.7 AV	54.0	-4.3	1.21 V	286	54.2	-4.5
7	4874.00	54.4 PK	74.0	-19.6	1.41 V	233	54.6	-0.2
8	4874.00	53.6 AV	54.0	-0.4	1.41 V	233	53.8	-0.2
9	7311.00	46.5 PK	74.0	-27.5	1.13 V	48	40.3	6.2
10	7311.00	41.7 AV	54.0	-12.3	1.13 V	48	35.5	6.2

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.

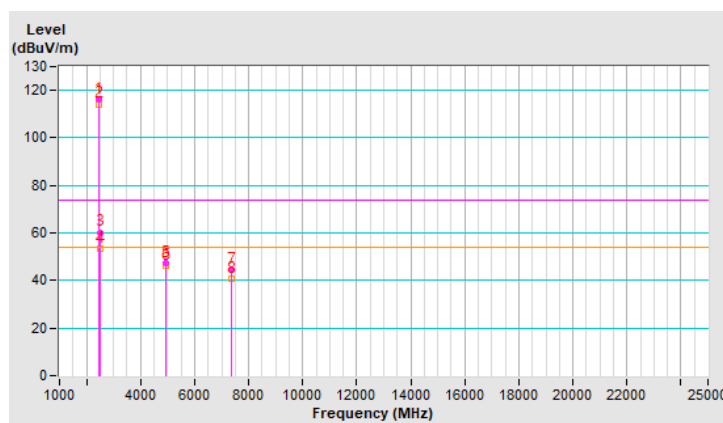


RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	116.2 PK			2.82 H	243	120.7	-4.5
2	*2462.00	114.3 AV			2.82 H	243	118.8	-4.5
3	2483.50	60.3 PK	74.0	-13.7	2.82 H	243	64.8	-4.5
4	2483.50	53.6 AV	54.0	-0.4	2.82 H	243	58.1	-4.5
5	4924.00	47.5 PK	74.0	-26.5	2.67 H	286	47.5	0.0
6	4924.00	46.2 AV	54.0	-7.8	2.67 H	286	46.2	0.0
7	7386.00	44.8 PK	74.0	-29.2	1.82 H	52	38.3	6.5
8	7386.00	40.5 AV	54.0	-13.5	1.82 H	52	34.0	6.5

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.

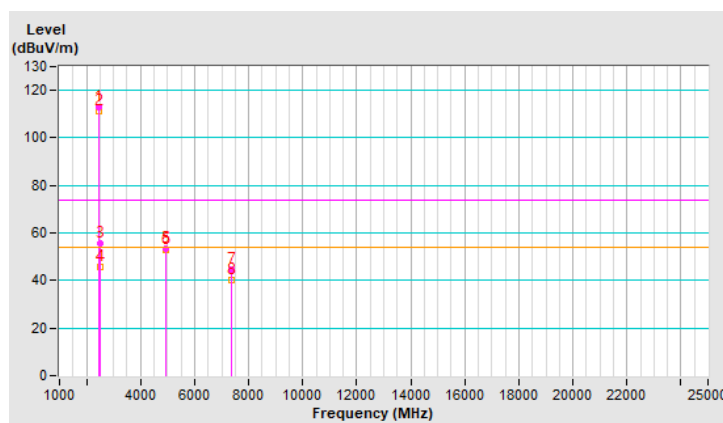


RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	113.1 PK			1.25 V	284	117.6	-4.5
2	*2462.00	111.0 AV			1.25 V	284	115.5	-4.5
3	2483.50	55.4 PK	74.0	-18.6	1.25 V	284	59.9	-4.5
4	2483.50	45.8 AV	54.0	-8.2	1.25 V	284	50.3	-4.5
5	4924.00	53.3 PK	74.0	-20.7	1.36 V	233	53.3	0.0
6	4924.00	52.7 AV	54.0	-1.3	1.36 V	233	52.7	0.0
7	7386.00	44.7 PK	74.0	-29.3	1.12 V	54	38.2	6.5
8	7386.00	40.0 AV	54.0	-14.0	1.12 V	54	33.5	6.5

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.

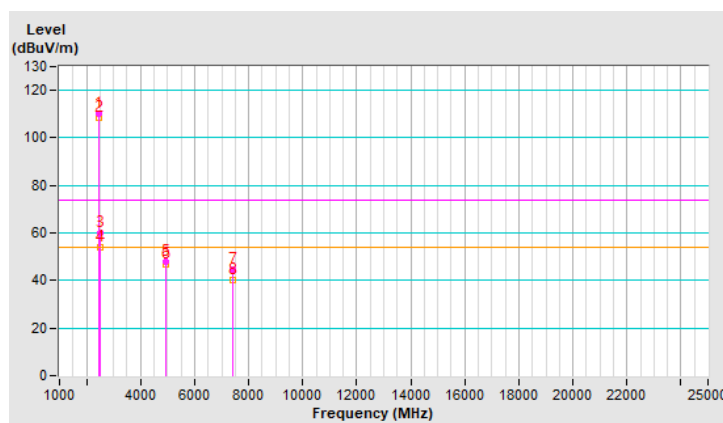


RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	110.4 PK			2.51 H	52	114.9	-4.5
2	*2467.00	108.4 AV			2.51 H	52	112.9	-4.5
3	2483.50	60.2 PK	74.0	-13.8	2.51 H	52	64.7	-4.5
4	2483.50	53.8 AV	54.0	-0.2	2.51 H	52	58.3	-4.5
5	4934.00	47.9 PK	74.0	-26.1	2.59 H	304	47.9	0.0
6	4934.00	46.7 AV	54.0	-7.3	2.59 H	304	46.7	0.0
7	7401.00	44.6 PK	74.0	-29.4	1.78 H	64	38.1	6.5
8	7401.00	40.0 AV	54.0	-14.0	1.78 H	64	33.5	6.5

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.

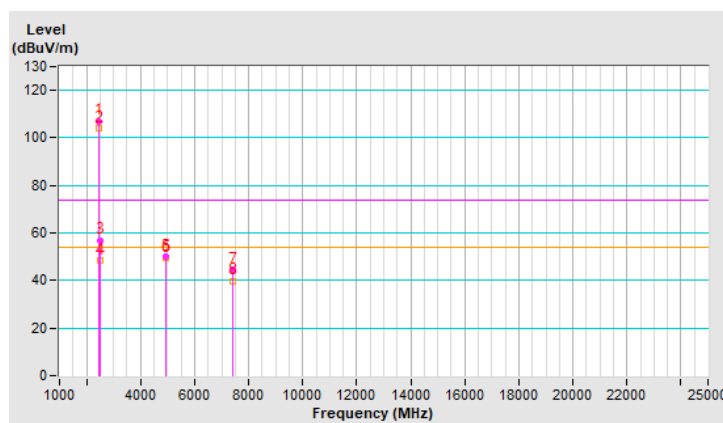


RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	107.1 PK			1.60 V	38	111.6	-4.5
2	*2467.00	104.0 AV			1.60 V	38	108.5	-4.5
3	2483.50	57.0 PK	74.0	-17.0	1.60 V	38	61.5	-4.5
4	2483.50	48.5 AV	54.0	-5.5	1.60 V	38	53.0	-4.5
5	4934.00	50.0 PK	74.0	-24.0	1.45 V	234	50.0	0.0
6	4934.00	49.8 AV	54.0	-4.2	1.45 V	234	49.8	0.0
7	7401.00	44.4 PK	74.0	-29.6	1.05 V	55	37.9	6.5
8	7401.00	39.9 AV	54.0	-14.1	1.05 V	55	33.4	6.5

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.

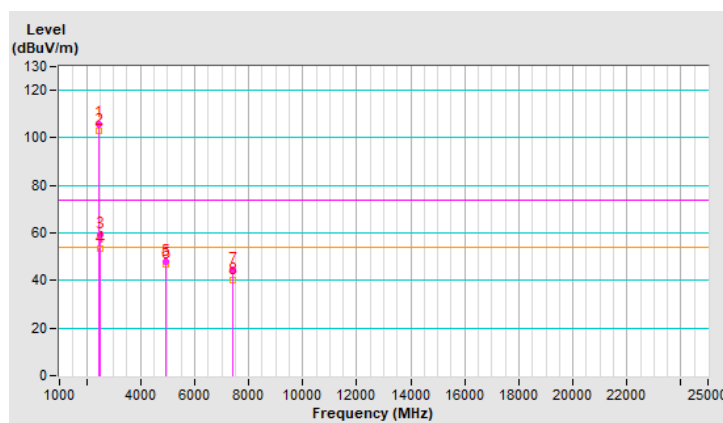


RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	106.0 PK			2.50 H	53	110.5	-4.5
2	*2472.00	102.9 AV			2.50 H	53	107.4	-4.5
3	2483.50	59.6 PK	74.0	-14.4	2.50 H	53	64.1	-4.5
4	2483.50	53.4 AV	54.0	-0.6	2.50 H	53	57.9	-4.5
5	4944.00	47.9 PK	74.0	-26.1	2.64 H	258	47.8	0.1
6	4944.00	46.8 AV	54.0	-7.2	2.64 H	258	46.7	0.1
7	7416.00	44.7 PK	74.0	-29.3	1.81 H	87	38.2	6.5
8	7416.00	40.1 AV	54.0	-13.9	1.81 H	87	33.6	6.5

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.

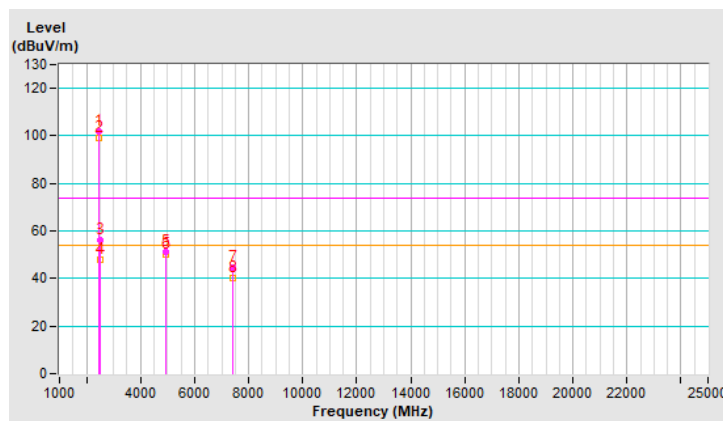


RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	101.8 PK			1.62 V	37	106.3	-4.5
2	*2472.00	98.9 AV			1.62 V	37	103.4	-4.5
3	2483.50	56.2 PK	74.0	-17.8	1.62 V	37	60.7	-4.5
4	2483.50	48.0 AV	54.0	-6.0	1.62 V	37	52.5	-4.5
5	4944.00	51.0 PK	74.0	-23.0	1.40 V	225	50.9	0.1
6	4944.00	49.9 AV	54.0	-4.1	1.40 V	225	49.8	0.1
7	7416.00	44.5 PK	74.0	-29.5	1.14 V	49	38.0	6.5
8	7416.00	40.4 AV	54.0	-13.6	1.14 V	49	33.9	6.5

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.

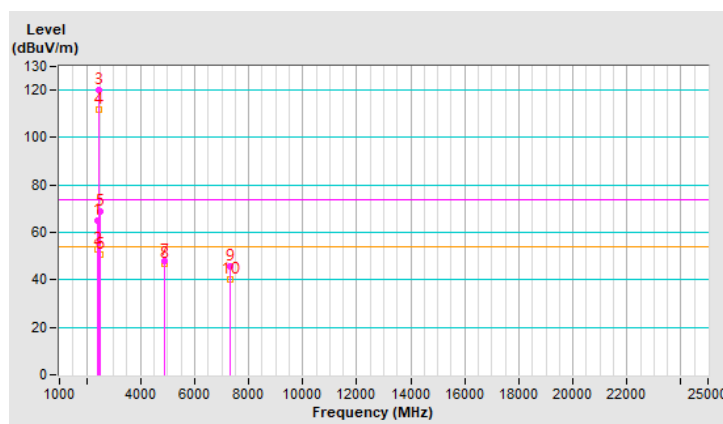


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 200 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	64.8 PK	74.0	-9.2	2.50 H	221	69.3	-4.5
2	2390.00	53.1 AV	54.0	-0.9	2.50 H	221	57.6	-4.5
3	*2437.00	120.0 PK			2.50 H	221	124.5	-4.5
4	*2437.00	111.6 AV			2.50 H	221	116.1	-4.5
5	2483.50	68.6 PK	74.0	-5.4	2.50 H	221	73.1	-4.5
6	2483.50	50.6 AV	54.0	-3.4	2.50 H	221	55.1	-4.5
7	4874.00	47.7 PK	74.0	-26.3	2.67 H	243	47.9	-0.2
8	4874.00	46.6 AV	54.0	-7.4	2.67 H	243	46.8	-0.2
9	7311.00	45.5 PK	74.0	-28.5	1.72 H	84	39.3	6.2
10	7311.00	40.3 AV	54.0	-13.7	1.72 H	84	34.1	6.2

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.

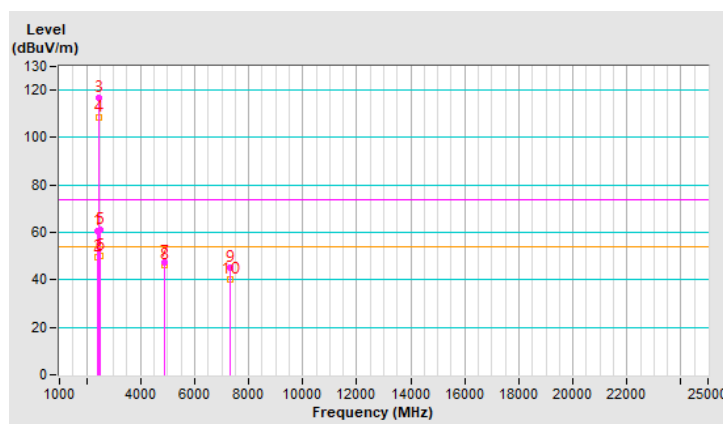


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 200 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	60.6 PK	74.0	-13.4	1.19 V	264	65.1	-4.5
2	2390.00	49.5 AV	54.0	-4.5	1.19 V	264	54.0	-4.5
3	*2437.00	117.0 PK			1.19 V	264	121.5	-4.5
4	*2437.00	108.3 AV			1.19 V	264	112.8	-4.5
5	2483.50	61.1 PK	74.0	-12.9	1.19 V	264	65.6	-4.5
6	2483.50	49.9 AV	54.0	-4.1	1.19 V	264	54.4	-4.5
7	4874.00	47.3 PK	74.0	-26.7	1.35 V	226	47.5	-0.2
8	4874.00	46.1 AV	54.0	-7.9	1.35 V	226	46.3	-0.2
9	7311.00	44.9 PK	74.0	-29.1	1.03 V	75	38.7	6.2
10	7311.00	40.0 AV	54.0	-14.0	1.03 V	75	33.8	6.2

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.

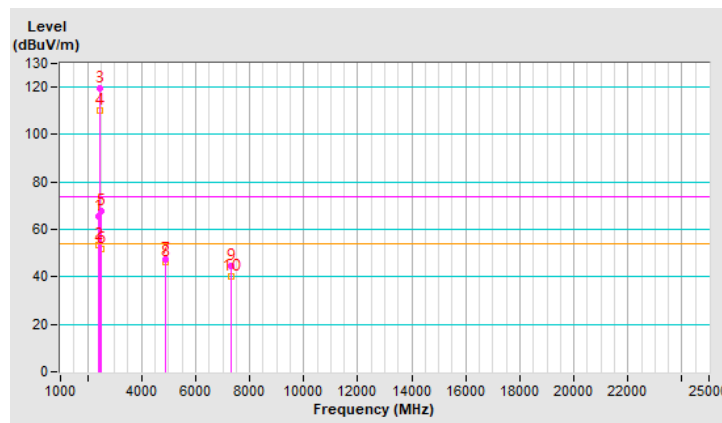


RF Mode	TX 802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	65.7 PK	74.0	-8.3	2.78 H	246	70.2	-4.5
2	2390.00	53.2 AV	54.0	-0.8	2.78 H	246	57.7	-4.5
3	*2437.00	119.5 PK			2.78 H	246	124.0	-4.5
4	*2437.00	109.9 AV			2.78 H	246	114.4	-4.5
5	2483.50	67.8 PK	74.0	-6.2	2.78 H	246	72.3	-4.5
6	2483.50	51.7 AV	54.0	-2.3	2.78 H	246	56.2	-4.5
7	4874.00	47.6 PK	74.0	-26.4	2.70 H	264	47.8	-0.2
8	4874.00	46.4 AV	54.0	-7.6	2.70 H	264	46.6	-0.2
9	7311.00	44.8 PK	74.0	-29.2	1.70 H	104	38.6	6.2
10	7311.00	40.3 AV	54.0	-13.7	1.70 H	104	34.1	6.2

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.

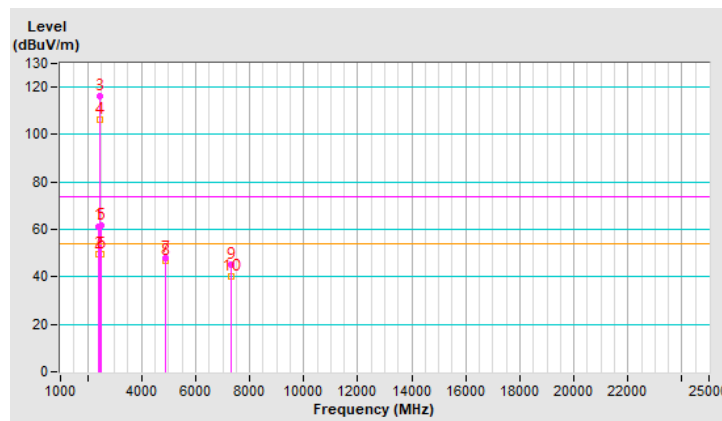


RF Mode	TX 802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	61.4 PK	74.0	-12.6	1.20 V	298	65.9	-4.5
2	2390.00	49.4 AV	54.0	-4.6	1.20 V	298	53.9	-4.5
3	*2437.00	116.2 PK			1.20 V	298	120.7	-4.5
4	*2437.00	106.4 AV			1.20 V	298	110.9	-4.5
5	2483.50	61.7 PK	74.0	-12.3	1.20 V	298	66.2	-4.5
6	2483.50	49.8 AV	54.0	-4.2	1.20 V	298	54.3	-4.5
7	4874.00	47.9 PK	74.0	-26.1	1.45 V	235	48.1	-0.2
8	4874.00	47.0 AV	54.0	-7.0	1.45 V	235	47.2	-0.2
9	7311.00	45.1 PK	74.0	-28.9	1.11 V	49	38.9	6.2
10	7311.00	40.4 AV	54.0	-13.6	1.11 V	49	34.2	6.2

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.

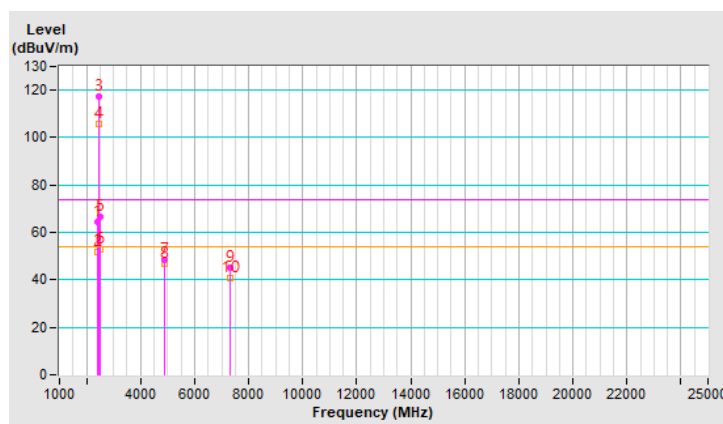


RF Mode	TX 802.11ax (HE40)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	64.4 PK	74.0	-9.6	2.94 H	241	68.9	-4.5
2	2390.00	51.7 AV	54.0	-2.3	2.94 H	241	56.2	-4.5
3	*2437.00	117.1 PK			2.94 H	241	121.6	-4.5
4	*2437.00	105.6 AV			2.94 H	241	110.1	-4.5
5	2483.50	66.8 PK	74.0	-7.2	2.94 H	241	71.3	-4.5
6	2483.50	53.1 AV	54.0	-0.9	2.94 H	241	57.6	-4.5
7	4874.00	48.4 PK	74.0	-25.6	2.57 H	242	48.6	-0.2
8	4874.00	46.6 AV	54.0	-7.4	2.57 H	242	46.8	-0.2
9	7311.00	45.4 PK	74.0	-28.6	1.72 H	62	39.2	6.2
10	7311.00	40.5 AV	54.0	-13.5	1.72 H	62	34.3	6.2

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.

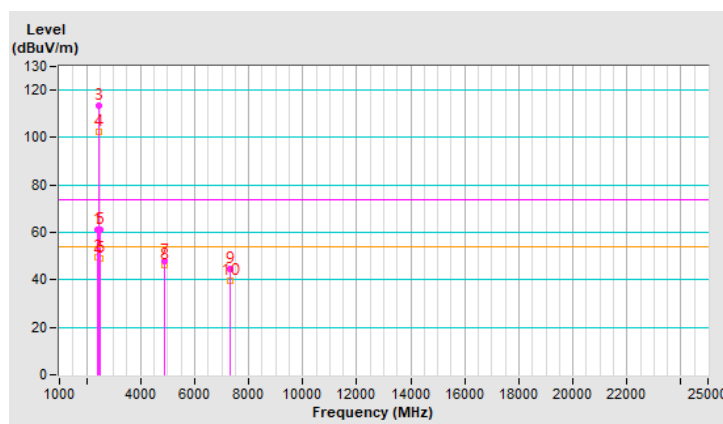


RF Mode	TX 802.11ax (HE40)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

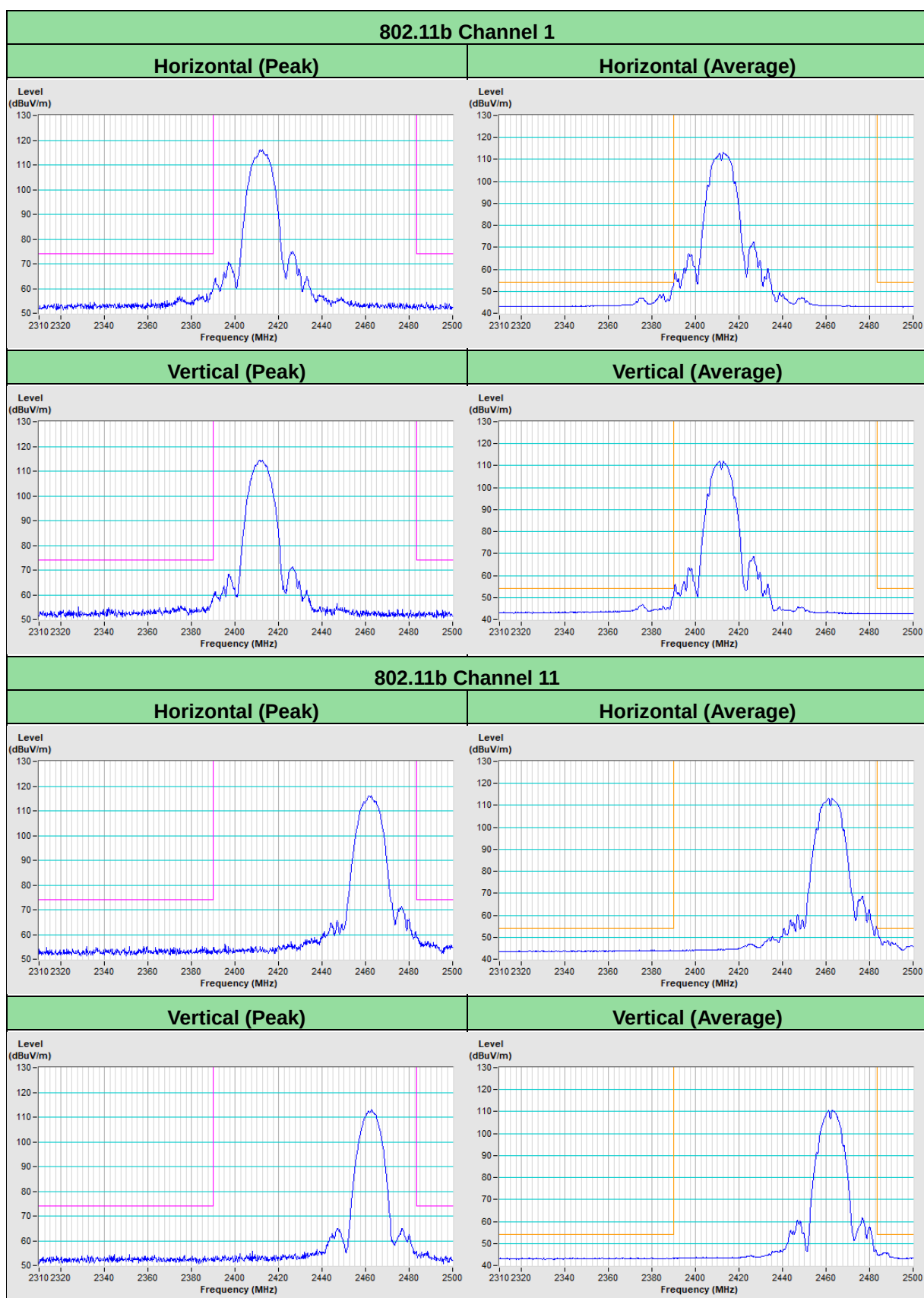
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.2 PK	74.0	-12.8	1.16 V	276	65.7	-4.5
2	2390.00	49.7 AV	54.0	-4.3	1.16 V	276	54.2	-4.5
3	*2437.00	113.7 PK			1.16 V	276	118.2	-4.5
4	*2437.00	102.5 AV			1.16 V	276	107.0	-4.5
5	2483.50	61.2 PK	74.0	-12.8	1.16 V	276	65.7	-4.5
6	2483.50	49.2 AV	54.0	-4.8	1.16 V	276	53.7	-4.5
7	4874.00	47.8 PK	74.0	-26.2	1.28 V	221	48.0	-0.2
8	4874.00	46.4 AV	54.0	-7.6	1.28 V	221	46.6	-0.2
9	7311.00	44.6 PK	74.0	-29.4	1.03 V	60	38.4	6.2
10	7311.00	39.7 AV	54.0	-14.3	1.03 V	60	33.5	6.2

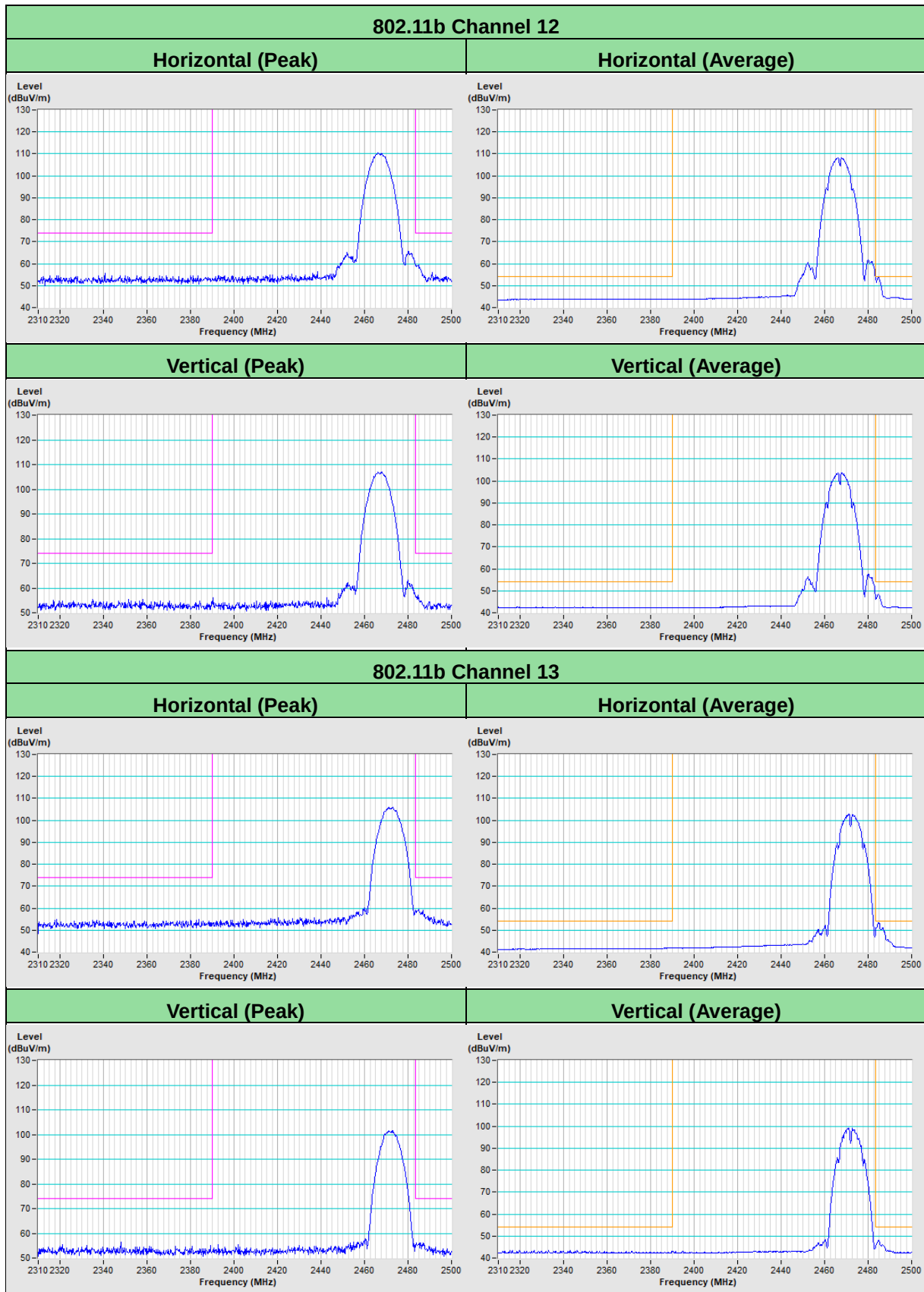
Remarks:

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.



Mode A Plot of Band Edge





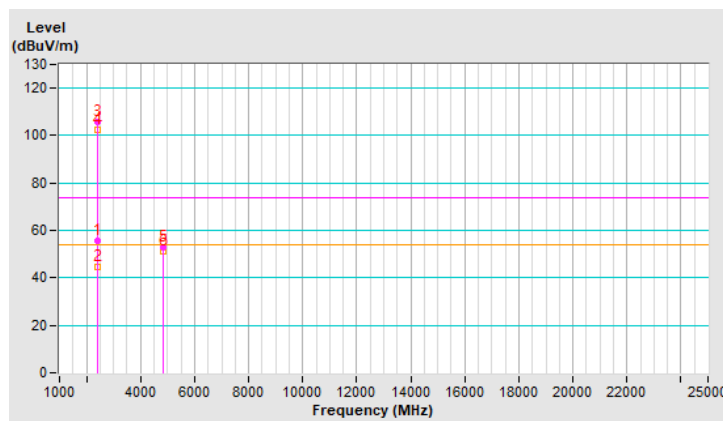
Mode B

RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	55.6 PK	74.0	-18.4	1.03 H	233	60.1	-4.5
2	2390.00	44.7 AV	54.0	-9.3	1.03 H	233	49.2	-4.5
3	*2412.00	105.5 PK			1.03 H	233	110.0	-4.5
4	*2412.00	102.4 AV			1.03 H	233	106.9	-4.5
5	4824.00	52.9 PK	74.0	-21.1	1.26 H	76	52.9	0.0
6	4824.00	51.1 AV	54.0	-2.9	1.26 H	76	51.1	0.0

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.

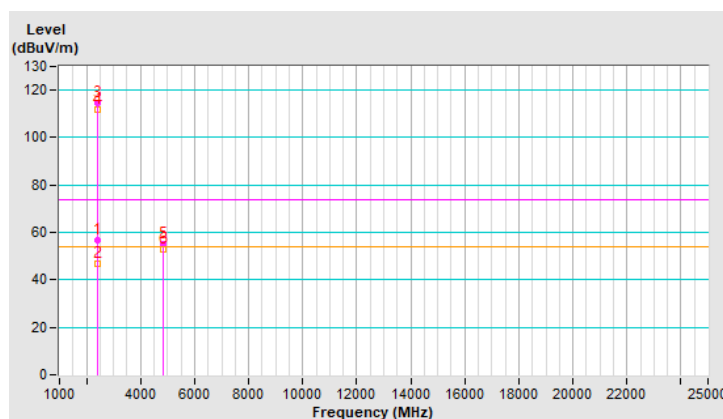


RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	56.5 PK	74.0	-17.5	1.05 V	303	61.0	-4.5
2	2390.00	46.9 AV	54.0	-7.1	1.05 V	303	51.4	-4.5
3	*2412.00	114.8 PK			1.05 V	303	119.3	-4.5
4	*2412.00	111.9 AV			1.05 V	303	116.4	-4.5
5	4824.00	54.9 PK	74.0	-19.1	2.95 V	112	54.9	0.0
6	4824.00	52.8 AV	54.0	-1.2	2.95 V	112	52.8	0.0

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.

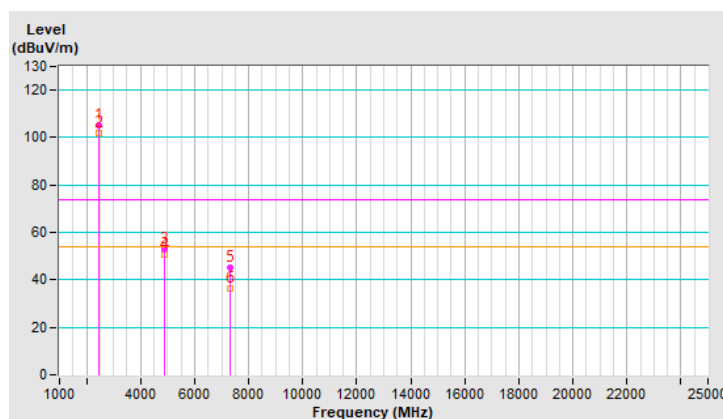


RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	*2437.00	105.3 PK			1.01 H	232	109.8	-4.5
2	*2437.00	102.1 AV			1.01 H	232	106.6	-4.5
3	4874.00	52.7 PK	74.0	-21.3	1.29 H	77	52.9	-0.2
4	4874.00	50.9 AV	54.0	-3.1	1.29 H	77	51.1	-0.2
5	7311.00	45.3 PK	74.0	-28.7	2.07 H	68	39.1	6.2
6	7311.00	36.4 AV	54.0	-17.6	2.07 H	68	30.2	6.2

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.

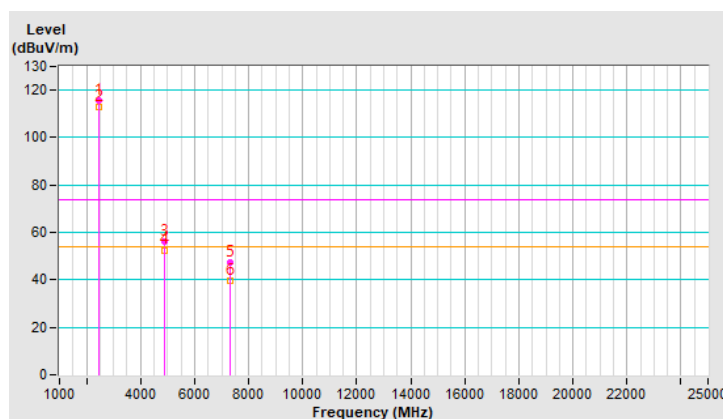


RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	*2437.00	115.9 PK			1.01 V	278	120.4	-4.5
2	*2437.00	112.9 AV			1.01 V	278	117.4	-4.5
3	4874.00	56.0 PK	74.0	-18.0	2.13 V	45	56.2	-0.2
4	4874.00	52.6 AV	54.0	-1.4	2.13 V	45	52.8	-0.2
5	7311.00	47.1 PK	74.0	-26.9	4.00 V	23	40.9	6.2
6	7311.00	39.4 AV	54.0	-14.6	4.00 V	23	33.2	6.2

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.

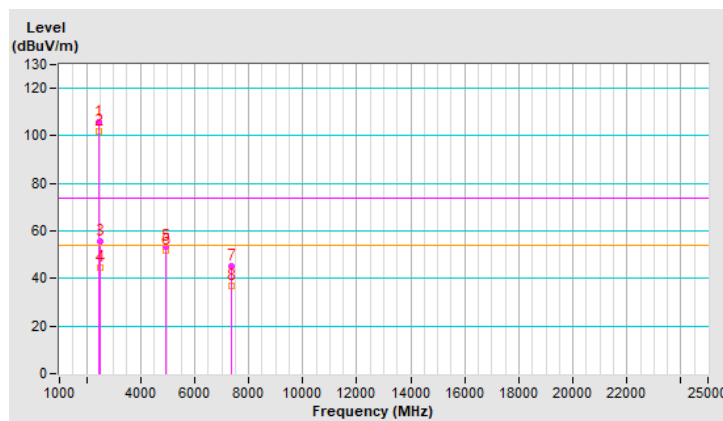


RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	105.8 PK			1.01 H	225	110.3	-4.5
2	*2462.00	102.1 AV			1.01 H	225	106.6	-4.5
3	2483.50	55.4 PK	74.0	-18.6	1.01 H	225	59.9	-4.5
4	2483.50	44.6 AV	54.0	-9.4	1.01 H	225	49.1	-4.5
5	4924.00	53.6 PK	74.0	-20.4	1.30 H	89	53.6	0.0
6	4924.00	51.7 AV	54.0	-2.3	1.30 H	89	51.7	0.0
7	7386.00	45.4 PK	74.0	-28.6	2.12 H	88	38.9	6.5
8	7386.00	37.0 AV	54.0	-17.0	2.12 H	88	30.5	6.5

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.

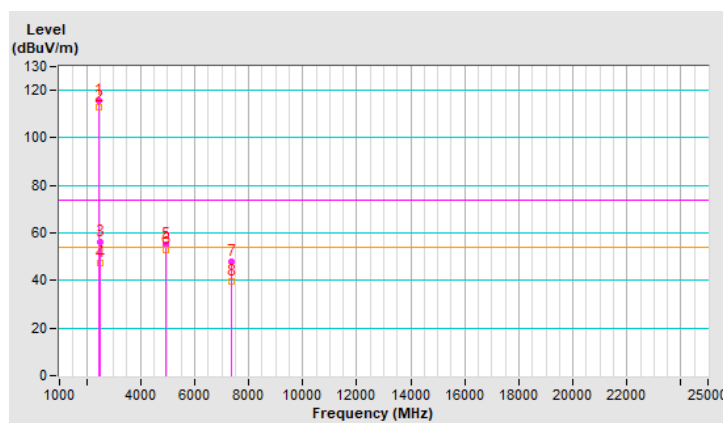


RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	115.7 PK			1.06 V	286	120.2	-4.5
2	*2462.00	112.7 AV			1.06 V	286	117.2	-4.5
3	2483.50	56.3 PK	74.0	-17.7	1.06 V	286	60.8	-4.5
4	2483.50	47.1 AV	54.0	-6.9	1.06 V	286	51.6	-4.5
5	4924.00	55.3 PK	74.0	-18.7	3.56 V	165	55.3	0.0
6	4924.00	53.1 AV	54.0	-0.9	3.56 V	165	53.1	0.0
7	7386.00	47.7 PK	74.0	-26.3	3.61 V	26	41.2	6.5
8	7386.00	39.7 AV	54.0	-14.3	3.61 V	26	33.2	6.5

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.

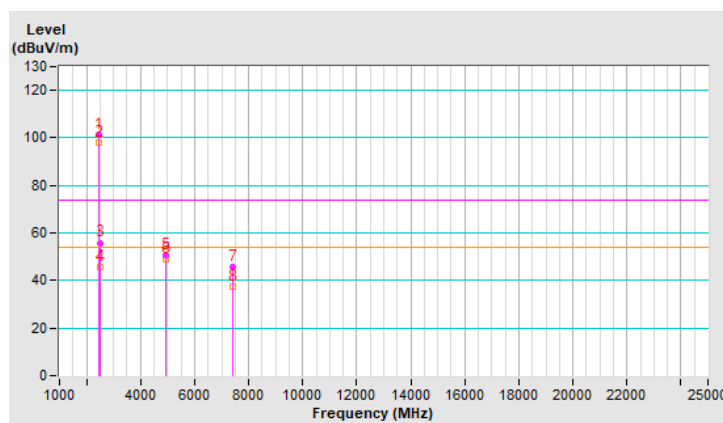


RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	101.4 PK			1.06 H	222	105.9	-4.5
2	*2467.00	98.1 AV			1.06 H	222	102.6	-4.5
3	2483.50	55.9 PK	74.0	-18.1	1.06 H	222	60.4	-4.5
4	2483.50	45.6 AV	54.0	-8.4	1.06 H	222	50.1	-4.5
5	4934.00	50.6 PK	74.0	-23.4	1.27 H	83	50.6	0.0
6	4934.00	48.8 AV	54.0	-5.2	1.27 H	83	48.8	0.0
7	7401.00	45.8 PK	74.0	-28.2	2.09 H	75	39.3	6.5
8	7401.00	37.2 AV	54.0	-16.8	2.09 H	75	30.7	6.5

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.

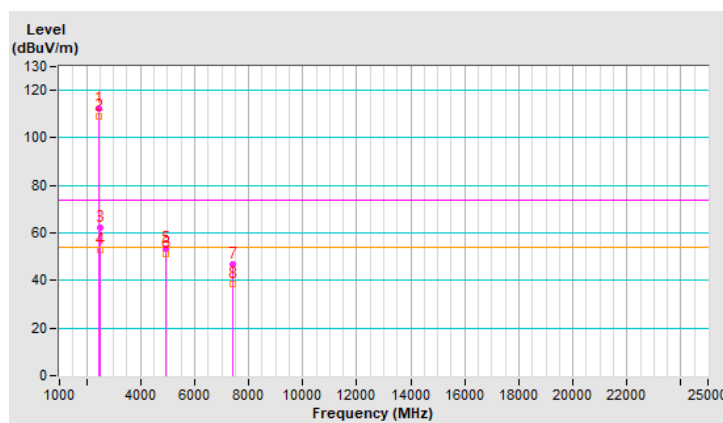


RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	112.1 PK			1.07 V	291	116.6	-4.5
2	*2467.00	109.0 AV			1.07 V	291	113.5	-4.5
3	2483.50	62.4 PK	74.0	-11.6	1.07 V	291	66.9	-4.5
4	2483.50	53.0 AV	54.0	-1.0	1.07 V	291	57.5	-4.5
5	4934.00	53.2 PK	74.0	-20.8	3.43 V	151	53.2	0.0
6	4934.00	51.0 AV	54.0	-3.0	3.43 V	151	51.0	0.0
7	7401.00	46.6 PK	74.0	-27.4	3.47 V	31	40.1	6.5
8	7401.00	38.4 AV	54.0	-15.6	3.47 V	31	31.9	6.5

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.

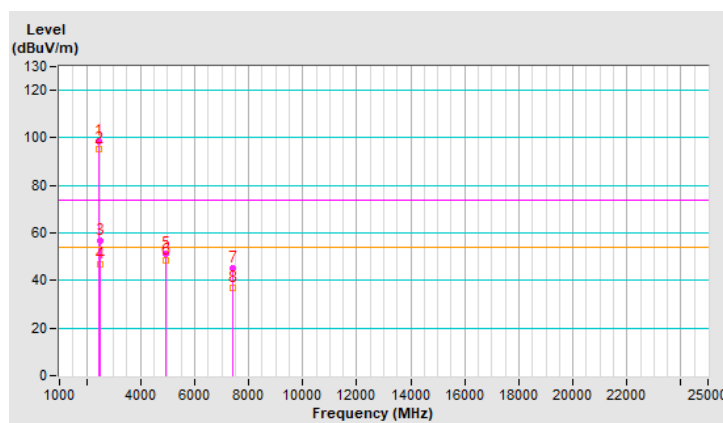


RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	98.5 PK			1.02 H	231	103.0	-4.5
2	*2472.00	95.4 AV			1.02 H	231	99.9	-4.5
3	2483.50	56.8 PK	74.0	-17.2	1.02 H	231	61.3	-4.5
4	2483.50	46.7 AV	54.0	-7.3	1.02 H	231	51.2	-4.5
5	4944.00	51.2 PK	74.0	-22.8	1.27 H	76	51.1	0.1
6	4944.00	48.3 AV	54.0	-5.7	1.27 H	76	48.2	0.1
7	7416.00	45.0 PK	74.0	-29.0	2.17 H	92	38.5	6.5
8	7416.00	36.7 AV	54.0	-17.3	2.17 H	92	30.2	6.5

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.

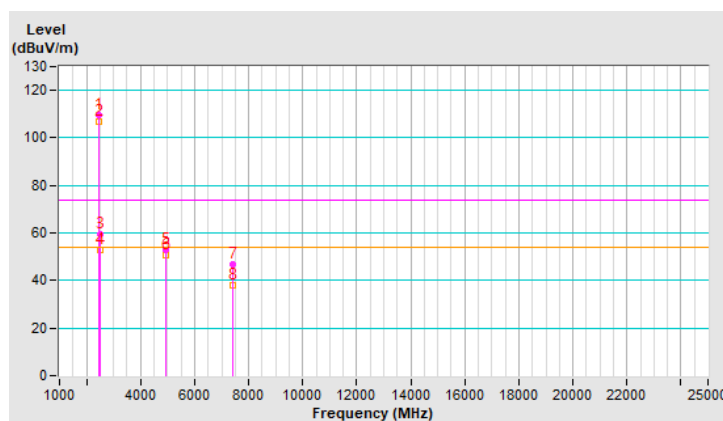


RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 100 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	109.8 PK			1.06 V	297	114.3	-4.5
2	*2472.00	106.8 AV			1.06 V	297	111.3	-4.5
3	2483.50	59.4 PK	74.0	-14.6	1.06 V	297	63.9	-4.5
4	2483.50	52.7 AV	54.0	-1.3	1.06 V	297	57.2	-4.5
5	4944.00	53.1 PK	74.0	-20.9	3.44 V	170	53.0	0.1
6	4944.00	50.8 AV	54.0	-3.2	3.44 V	170	50.7	0.1
7	7416.00	46.8 PK	74.0	-27.2	3.24 V	35	40.3	6.5
8	7416.00	38.2 AV	54.0	-15.8	3.24 V	35	31.7	6.5

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.

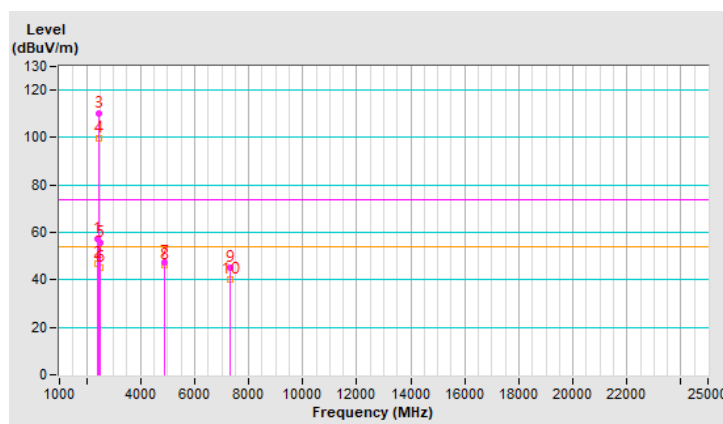


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 200 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	57.1 PK	74.0	-16.9	1.00 H	202	61.6	-4.5
2	2390.00	47.0 AV	54.0	-7.0	1.00 H	202	51.5	-4.5
3	*2437.00	110.0 PK			1.00 H	202	114.5	-4.5
4	*2437.00	99.5 AV			1.00 H	202	104.0	-4.5
5	2483.50	55.6 PK	74.0	-18.4	1.00 H	202	60.1	-4.5
6	2483.50	45.0 AV	54.0	-9.0	1.00 H	202	49.5	-4.5
7	4874.00	47.2 PK	74.0	-26.8	2.65 H	264	47.4	-0.2
8	4874.00	46.3 AV	54.0	-7.7	2.65 H	264	46.5	-0.2
9	7311.00	45.3 PK	74.0	-28.7	1.76 H	96	39.1	6.2
10	7311.00	40.1 AV	54.0	-13.9	1.76 H	96	33.9	6.2

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.

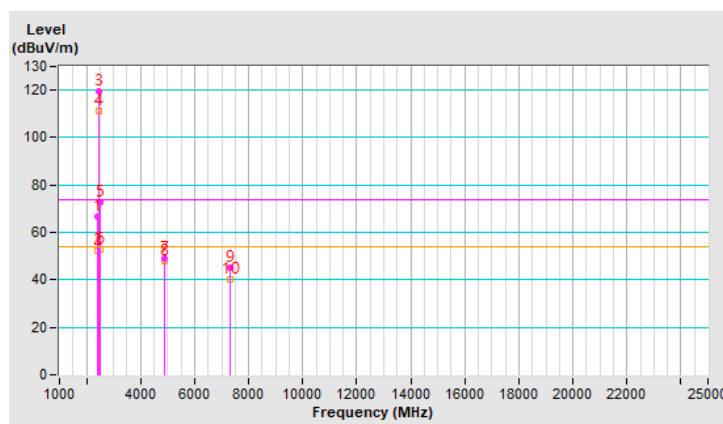


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 200 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	66.7 PK	74.0	-7.3	1.03 V	280	71.2	-4.5
2	2390.00	52.5 AV	54.0	-1.5	1.03 V	280	57.0	-4.5
3	*2437.00	119.6 PK			1.03 V	280	124.1	-4.5
4	*2437.00	111.0 AV			1.03 V	280	115.5	-4.5
5	2483.50	72.9 PK	74.0	-1.1	1.03 V	280	77.4	-4.5
6	2483.50	53.0 AV	54.0	-1.0	1.03 V	280	57.5	-4.5
7	4874.00	49.1 PK	74.0	-24.9	1.43 V	207	49.3	-0.2
8	4874.00	47.7 AV	54.0	-6.3	1.43 V	207	47.9	-0.2
9	7311.00	45.2 PK	74.0	-28.8	1.14 V	72	39.0	6.2
10	7311.00	40.4 AV	54.0	-13.6	1.14 V	72	34.2	6.2

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.

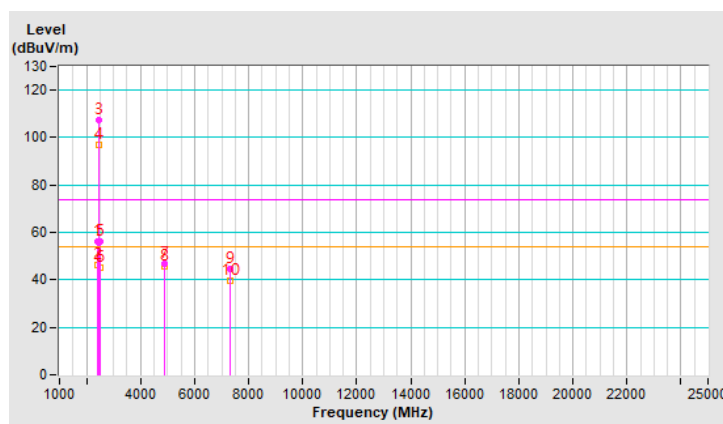


RF Mode	TX 802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	56.2 PK	74.0	-17.8	1.05 H	183	60.7	-4.5
2	2390.00	46.4 AV	54.0	-7.6	1.05 H	183	50.9	-4.5
3	*2437.00	107.4 PK			1.05 H	183	111.9	-4.5
4	*2437.00	96.8 AV			1.05 H	183	101.3	-4.5
5	2483.50	56.1 PK	74.0	-17.9	1.05 H	183	60.6	-4.5
6	2483.50	45.3 AV	54.0	-8.7	1.05 H	183	49.8	-4.5
7	4874.00	46.8 PK	74.0	-27.2	2.64 H	307	47.0	-0.2
8	4874.00	45.9 AV	54.0	-8.1	2.64 H	307	46.1	-0.2
9	7311.00	44.8 PK	74.0	-29.2	1.69 H	107	38.6	6.2
10	7311.00	39.7 AV	54.0	-14.3	1.69 H	107	33.5	6.2

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.

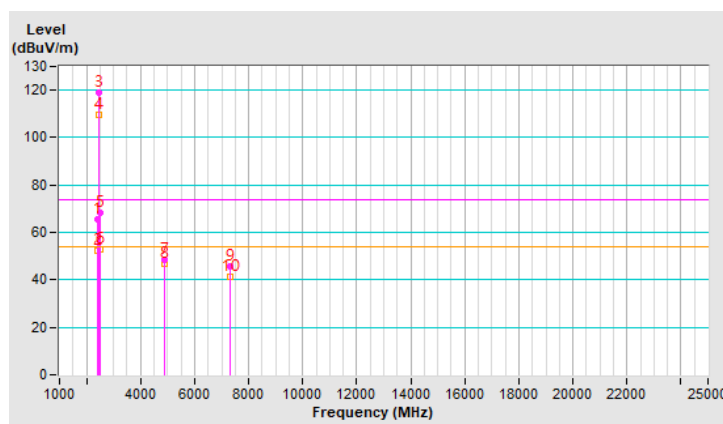


RF Mode	TX 802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	65.6 PK	74.0	-8.4	1.03 V	271	70.1	-4.5
2	2390.00	52.5 AV	54.0	-1.5	1.03 V	271	57.0	-4.5
3	*2437.00	118.9 PK			1.03 V	271	123.4	-4.5
4	*2437.00	109.8 AV			1.03 V	271	114.3	-4.5
5	2483.50	68.2 PK	74.0	-5.8	1.03 V	271	72.7	-4.5
6	2483.50	52.9 AV	54.0	-1.1	1.03 V	271	57.4	-4.5
7	4874.00	48.2 PK	74.0	-25.8	1.32 V	245	48.4	-0.2
8	4874.00	47.0 AV	54.0	-7.0	1.32 V	245	47.2	-0.2
9	7311.00	45.9 PK	74.0	-28.1	1.06 V	67	39.7	6.2
10	7311.00	41.1 AV	54.0	-12.9	1.06 V	67	34.9	6.2

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.

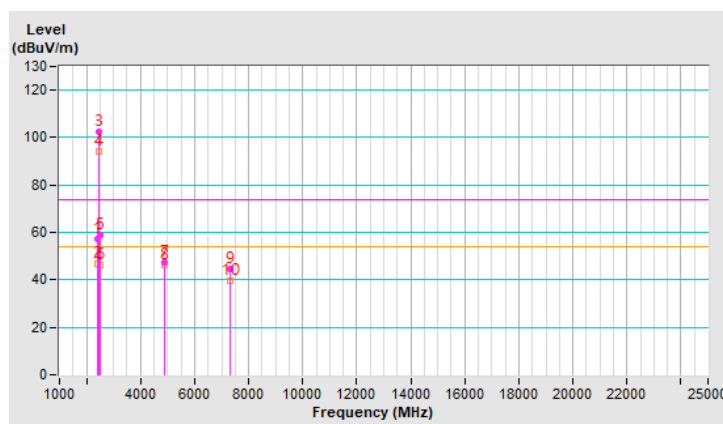


RF Mode	TX 802.11ax (HE40)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

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	2390.00	57.5 PK	74.0	-16.5	1.01 H	175	62.0	-4.5
2	2390.00	46.7 AV	54.0	-7.3	1.01 H	175	51.2	-4.5
3	*2437.00	102.6 PK			1.01 H	175	107.1	-4.5
4	*2437.00	94.0 AV			1.01 H	175	98.5	-4.5
5	2483.50	59.0 PK	74.0	-15.0	1.01 H	175	63.5	-4.5
6	2483.50	46.2 AV	54.0	-7.8	1.01 H	175	50.7	-4.5
7	4874.00	47.4 PK	74.0	-26.6	2.62 H	296	47.6	-0.2
8	4874.00	46.3 AV	54.0	-7.7	2.62 H	296	46.5	-0.2
9	7311.00	44.6 PK	74.0	-29.4	1.66 H	70	38.4	6.2
10	7311.00	39.7 AV	54.0	-14.3	1.66 H	70	33.5	6.2

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.

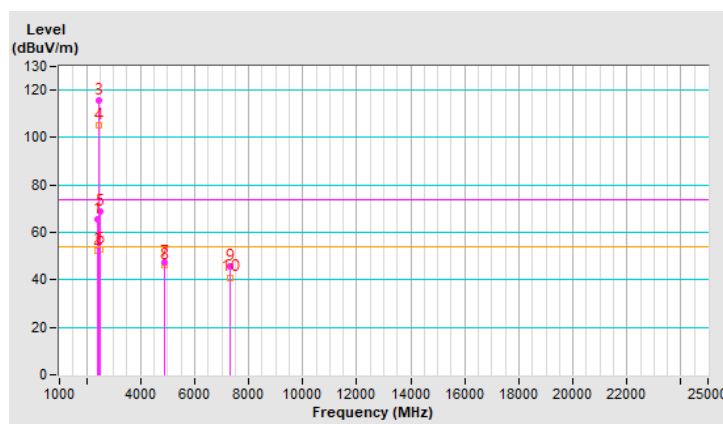


RF Mode	TX 802.11ax (HE40)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Tom Yang		

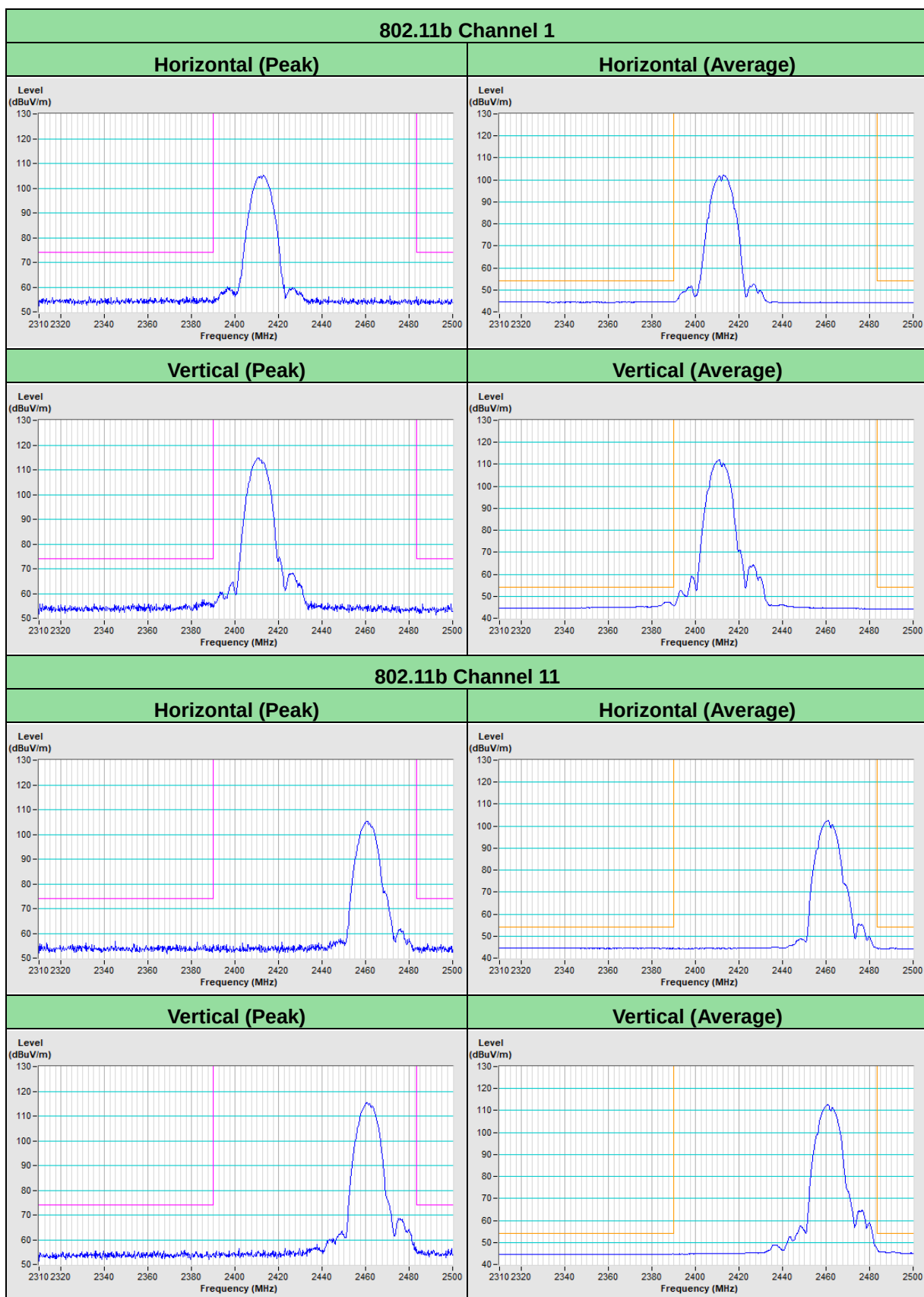
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.6 PK	74.0	-8.4	1.04 V	278	70.1	-4.5
2	2390.00	52.4 AV	54.0	-1.6	1.04 V	278	56.9	-4.5
3	*2437.00	115.6 PK			1.04 V	278	120.1	-4.5
4	*2437.00	105.1 AV			1.04 V	278	109.6	-4.5
5	2483.50	68.9 PK	74.0	-5.1	1.04 V	278	73.4	-4.5
6	2483.50	53.1 AV	54.0	-0.9	1.04 V	278	57.6	-4.5
7	4874.00	47.4 PK	74.0	-26.6	1.45 V	247	47.6	-0.2
8	4874.00	46.4 AV	54.0	-7.6	1.45 V	247	46.6	-0.2
9	7311.00	45.7 PK	74.0	-28.3	1.15 V	85	39.5	6.2
10	7311.00	41.0 AV	54.0	-13.0	1.15 V	85	34.8	6.2

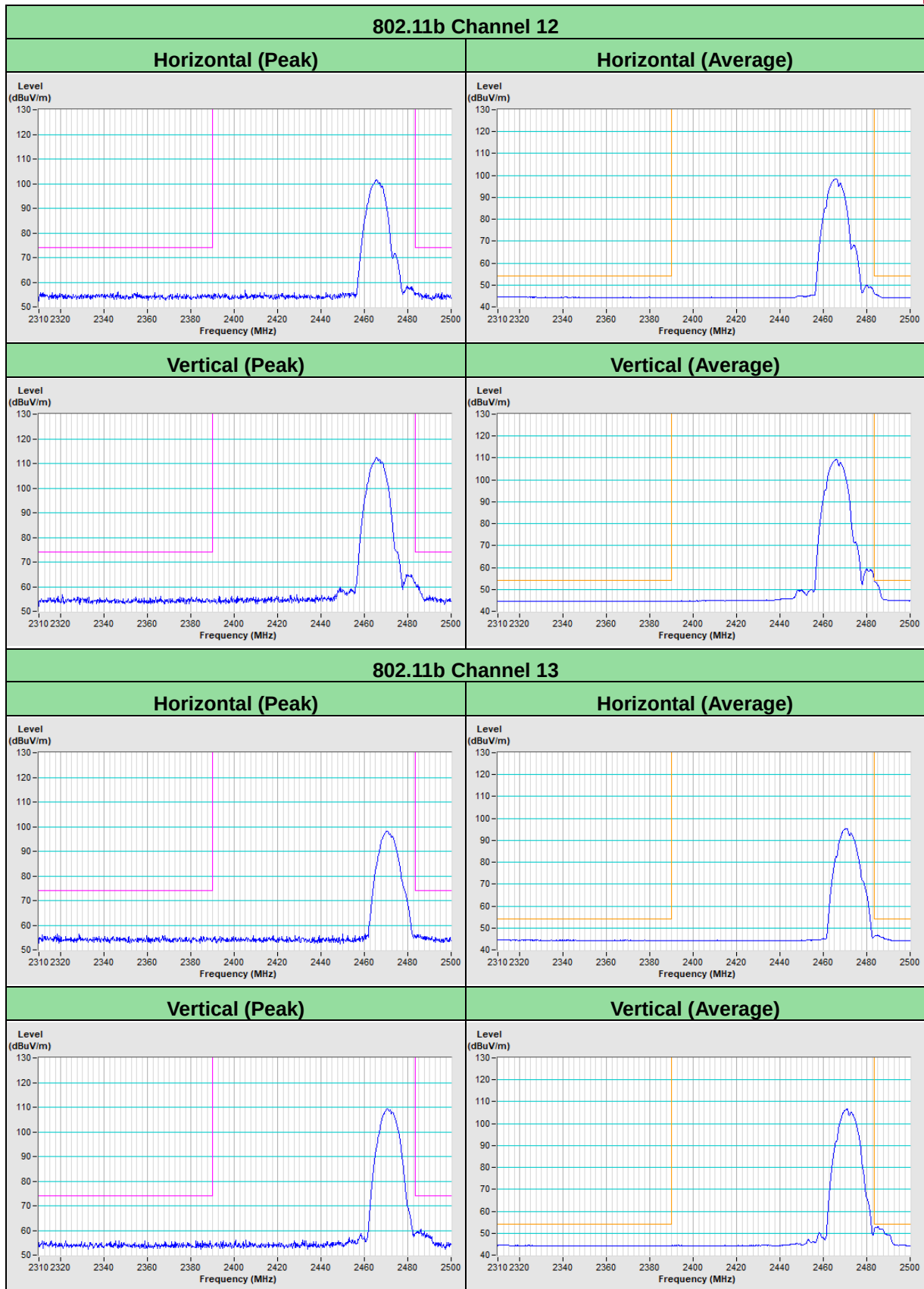
Remarks:

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.



Mode B Plot of Band Edge





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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