

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFCDVB-WTW-P24010023-2

FCC ID: QYLAX211NG

Product: Wireless Module

Brand: Getac

Model No.: AX211NGW

Received Date: 2024/1/20

Test Date: 2024/2/5 ~ 2024/3/14

Issued Date: 2024/3/28

Applicant: Getac Technology Corporation.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: _____

2024/3/28

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Prepared by : Gina Liu / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFCDVB-WTW-P24010023-2	Original release.	2024/3/28

1 Certificate

Product: Wireless Module

Brand: Getac

Test Model: AX211NGW

Sample Status: Engineering sample

Applicant: Getac Technology Corporation.

Test Date: 2024/2/5 ~ 2024/3/14

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

Measurement ANSI C63.10-2013

procedure: 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	N/A	Refer to Note
15.247(a)(2)	6 dB Bandwidth	N/A	Refer to Note
15.247(d)	Conducted Out of Band Emissions	N/A	Refer to Note
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -17.69 dB at 0.53400 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.0 dB at 412.18 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -5.4 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is MHF-4 not a standard connector.

Notes:

1. Only test item of Output Power, AC Power Conducted Emissions and Unwanted Emissions were performed for this report. Other testing data please refer to module report No.: 200611-01.TR04 (Brand: Intel® Wi-Fi 6E AX211, Model: AX211NGW).
2. 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:

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.371 dB
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 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	Wireless Module
Brand	Getac
Test Model	AX211NGW
Status of EUT	Engineering sample
Power Supply Rating	End-product: 19.0 Vdc (from adapter) 10.8 Vdc (from battery)
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 11ax mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	Up to 573.5 Mbps
Operating Frequency	2.412 GHz ~ 2.472 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), 802.11ax (HE20):13 802.11n (HT40), 802.11ax (HE40):9
Output Power	241.286 mW (23.83 dBm)

Note:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report to module report No.: 200611-01.TR04 (Brand: Intel® Wi-Fi 6E AX211, Model: AX211NGW). The difference compared with original report are adding End-product. Therefore, only Output Power, AC Power Conducted Emission and Radiated Emissions were verified and recorded in this report. AC Power Conducted Emission and Radiated Emission tests according to module report radiated emission worst channel, and Conducted power were re-test.
2. The EUT is authorized for use in specific End-product. Please refer to below for more details.

Product	Brand	Model	Difference
Notebook	Getac	S510	marketing purpose
		S510Y (Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "P", "V", "-", " " or blank for marketing purpose)	

3. The End-product contains following accessory devices.

Battery		
Brand	Model	Specification
Getac	BP3S2P3450P-04	Power Rating : Rating: 10.8Vdc , 6600mAh, 72Wh Typical Capacity: 6900mAh, 75Wh
AC Adapter 1		
Brand	Model	Specification
FSP	FSP065-RBBN3	AC Input : 100-240 Vac ; 50-60 Hz ; 1.5 A DC Output : 19.0Vdc ; 3.42A, 65.0W DC Output Cable : 1.45M / 1 core
AC Adapter 2		
Brand	Model	Specification
FSP	FSP090-ABBN3	AC Input : 100-240 Vac ; 50-60 Hz ; 1.2 A DC Output : 19.0Vdc ; 4.74A, 90.0W DC Output Cable : 1.2M / 1 core
Touch Pen		
Brand	Model	
Getac	340GA8900001	

*After the pretesting, adapter 2 mode is found to be the worse case and therefore had been chosen for final test.

4. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
5. 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.

Antenna No.	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250 MHz	5.3GHz 5250-5350 MHz	5.6GHz 5470-5725 MHz	5.8GHz 5725-5850 MHz	5.9GHz 5850-5895 MHz	6.2GHz 5925-6425 MHz	6.5GHz 6425-6525 MHz	6.7GHz 6525-6875 MHz	7.0GHz 6875-7125 MHz	Antenna Type	Connector Type
1	2.41	1.39	1.21	2.45	2.41	2.39	2.18	1.46	1.83	1.56	PIFA	MHF-4
2	1.68	1.22	1.17	1.8	1.78	0.52	1.2	1.18	1.14	2.3	PIFA	MHF-4

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

2. The EUT incorporates a MIMO function:

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	1Tx Diversity	1Rx diversity
802.11g	1Tx Diversity	1Rx diversity
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (RU26/52/106/242/484)	2TX	2RX

Note:

- The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), and 802.11ax mode for 20 MHz (40 MHz) therefore the manufacturer will control the power for 802.11n mode is same as the 802.11ax mode or lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20), 802.11ax (HE20):

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), 802.11ax (HE40):

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

Following channel(s) was (were) selected for the final test as listed below:

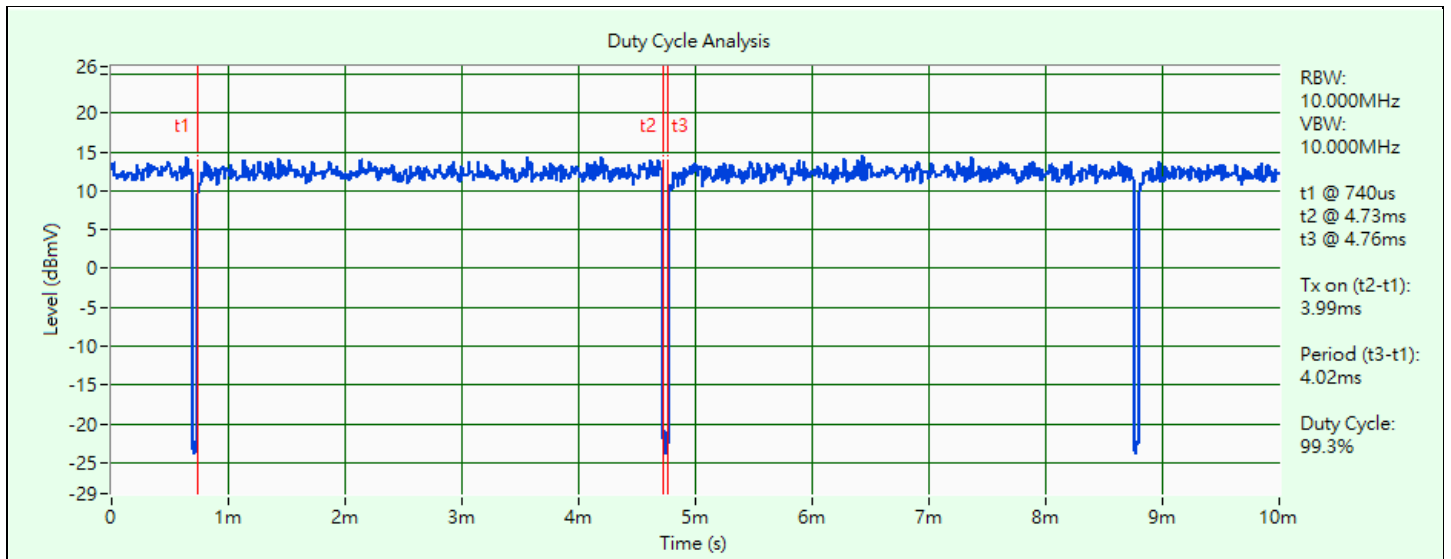
Test Item	Ant. Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	SISO B	802.11b	1, 6, 11, 12, 13	DBPSK	1Mb/s
	SISO A	802.11g	1, 6, 11, 12, 13	BPSK	6Mb/s
	MIMO	802.11n (HT20)	1, 6, 11, 12, 13	BPSK	MCS0
	MIMO	802.11n (HT40)	3, 6, 9, 10, 11	BPSK	MCS0
	MIMO	802.11ax (HE20)	1, 6, 11, 12, 13	BPSK	MCS0
	MIMO	802.11ax (HE40)	3, 6, 9, 10, 11	BPSK	MCS0
	MIMO	802.11ax (HE20) 26-tone RU	1, 13	BPSK	MCS0
	MIMO	802.11ax (HE20) 52-tone RU	1, 13	BPSK	MCS0
	MIMO	802.11ax (HE20) 106-tone RU	1, 13	BPSK	MCS0
	MIMO	802.11ax (HE40) 242-tone RU	3, 11	BPSK	MCS0
AC Power Conducted Emissions	MIMO	802.11ax (HE40)	9	BPSK	MCS0
Unwanted Emissions below 1 GHz	MIMO	802.11ax (HE40)	9	BPSK	MCS0
Unwanted Emissions above 1 GHz	MIMO	802.11n (HT40)	9	BPSK	MCS0
	MIMO	802.11ax (HE40)	9	BPSK	MCS0

Note: The EUT is designed to be positioned on the NB Mode only.

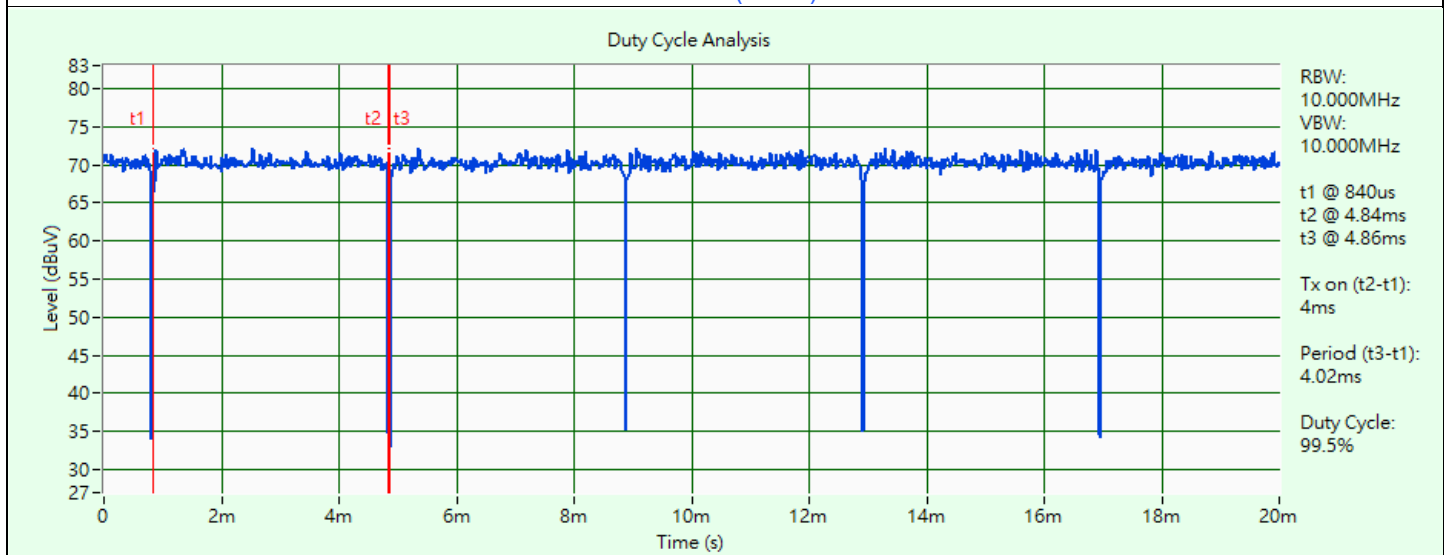
3.5 Duty Cycle of Test Signal

802.11n (HT40): Duty cycle = 3.99 ms / 4.02 ms x 100% = 99.3%

802.11ax (HE40): Duty cycle = 4 ms / 4.02 ms x 100% = 99.5%



802.11n (HT40)

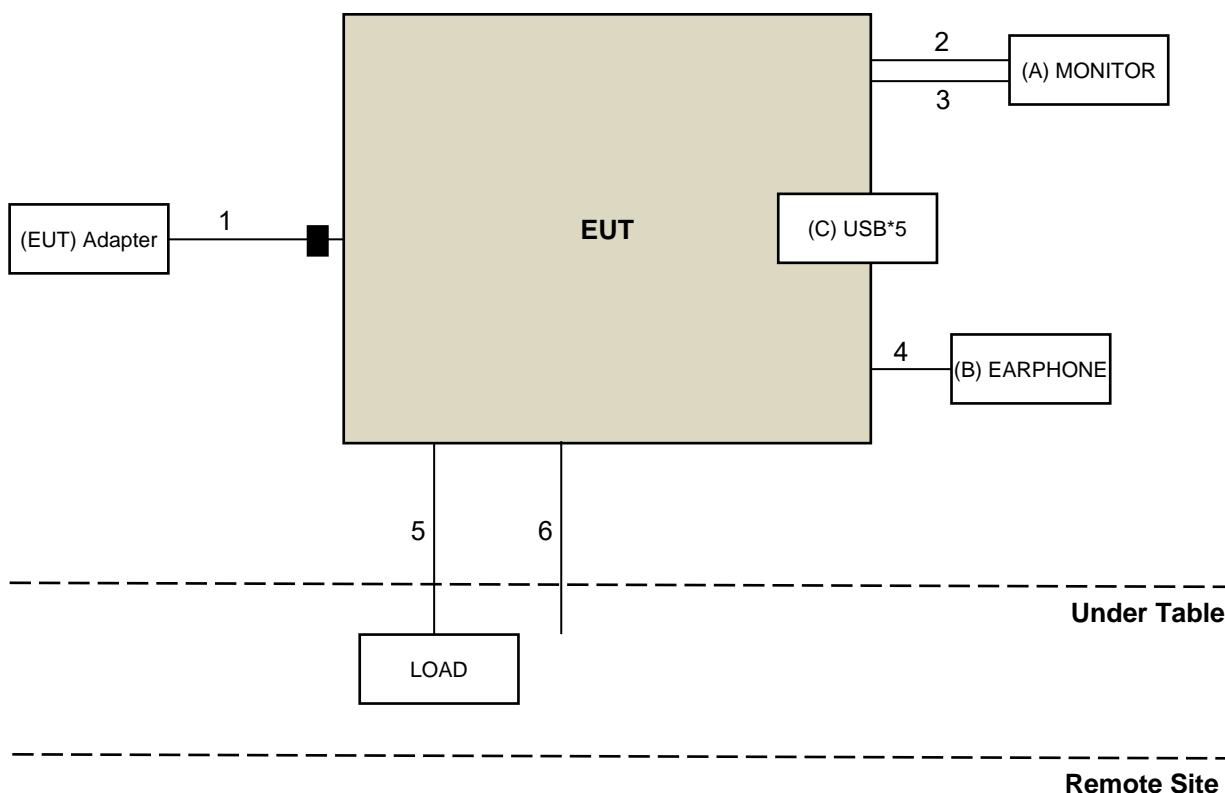


802.11ax (HE40)

3.6 Test Program Used and Operation Descriptions

Controlling software DRTU 22.100.1.1 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Monitor	DELL	A14S2421HSXmTW	CN-01KQFW- WSL00-24C-711B	N/A	Provided by Lab
B	EARPHONE	APPLE	MB77PFEB	N/A	N/A	Provided by Lab
C	USB*5	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	ADAPTER	1	1.2	Y	1	Accessory of EUT
2	HDMI	1	1.8	Y	0	Provided by Lab
3	DP	1	1.8	Y	0	Provided by Lab
4	AUDIO	1	1.2	N	0	Provided by Lab
5	LAN	1	1.8	N	0	Provided by Lab
6	RS232	1	1.5	N	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
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/3/11 ~ 2024/3/14

4.2 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2023/11/22	2024/11/21
50 ohm terminal resistance	E1-011279	04	2023/11/22	2024/11/21
	E1-011280	05	2023/11/22	2024/11/21
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESR3	102783	2023/12/13	2024/12/12
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/9/2	2024/9/1
LISN R&S	ESH2-Z5	100100	2023/3/7	2024/3/6
	ESH3-Z5	100312	2023/9/12	2024/9/11
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2023/9/2	2024/9/1
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2024/2/22

4.3 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2023/10/16	2024/10/15
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Preamplifier EMCI	EMC 330H	980112	2023/9/27	2024/9/26
	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2023/9/27	2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/2/21

4.4 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2023/11/12	2024/11/11
	BBHA 9170	148	2023/11/12	2024/11/11
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Notch Filter Micro-Tronics	BRM17690	004	2024/1/23	2025/1/22
	BRM50716	060	2023/12/25	2024/12/24
Preamplifier EMCI	EMC 012645	980115	2023/9/27	2024/9/26
	EMC 184045	980116	2023/9/27	2024/9/26
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
	EMC104-SM-SM- 8000+3000	171005	2023/9/27	2024/9/26
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	2023/9/27	2024/9/26
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/2/5 ~ 2024/2/20

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 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.

5.3 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	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	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).

5.4 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

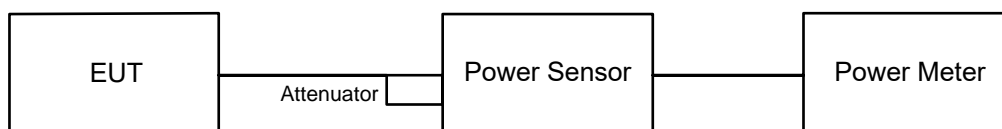
Notes:

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



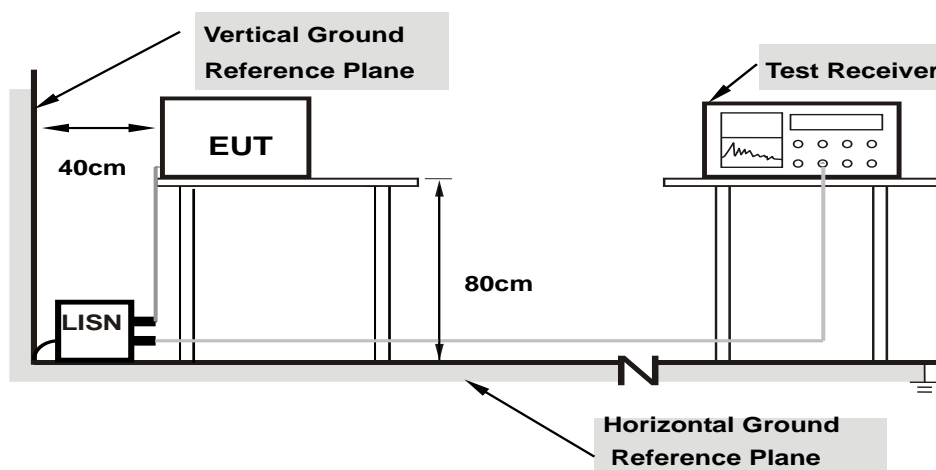
6.1.2 Test Procedure

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 AC Power Conducted Emissions

6.2.1 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).

6.2.2 Test Procedure

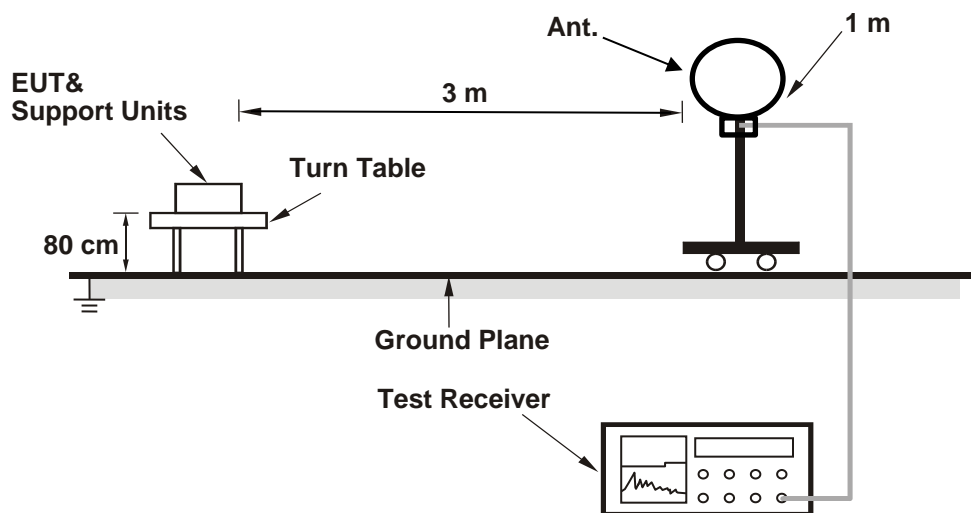
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

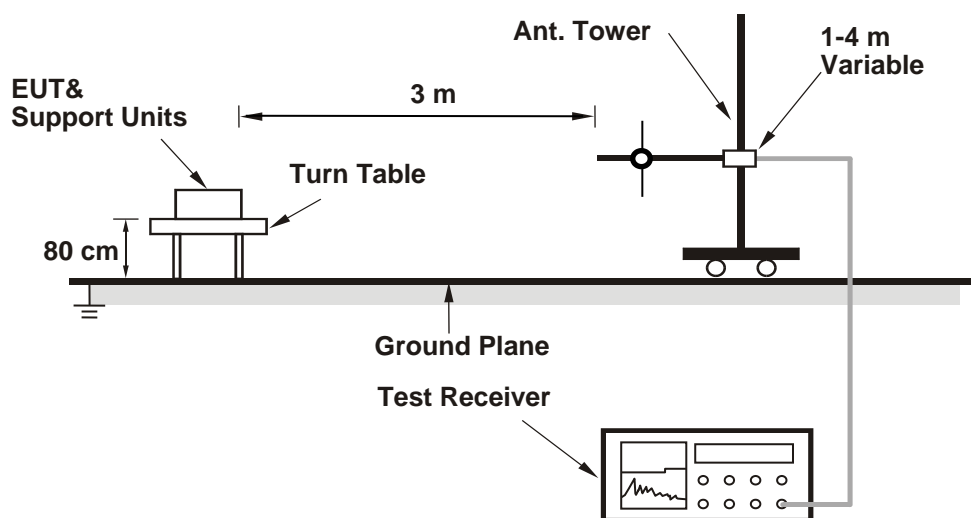
6.3 Unwanted Emissions below 1 GHz

6.3.1 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).

6.3.2 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

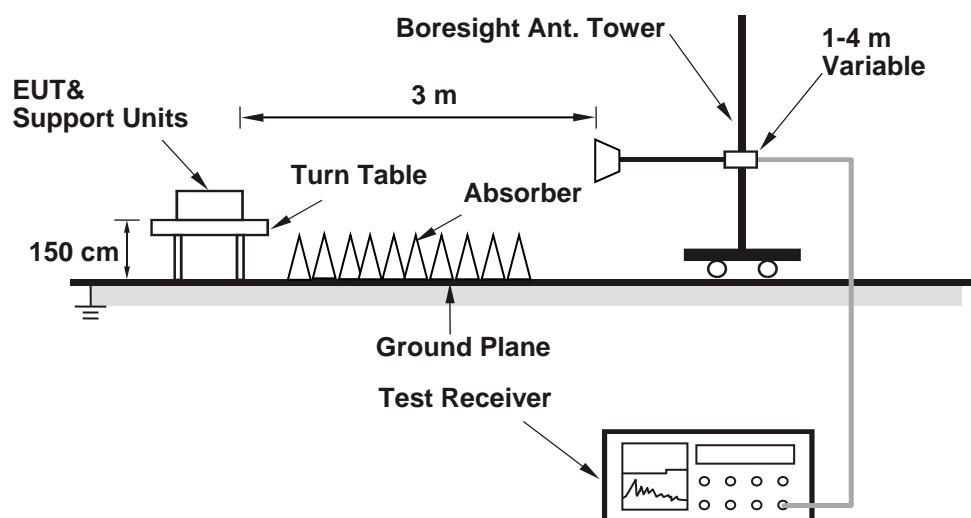
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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.

6.4 Unwanted Emissions above 1 GHz

6.4.1 Test Setup



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

6.4.2 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:	10.8 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Charles Hsiao, Jisyong Wang
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Peak Power

SISO B_802.11b

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	232.809	23.67	30	Pass
6	2437	245.471	23.90	30	Pass
11	2462	264.85	24.23	30	Pass
12	2467	159.588	22.03	30	Pass
13	2472	72.444	18.60	30	Pass

Note: The antenna gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

SISO A_802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	524.807	27.20	30	Pass
6	2437	862.979	29.36	30	Pass
11	2462	468.813	26.71	30	Pass
12	2467	231.206	23.64	30	Pass
13	2472	99.083	19.96	30	Pass

Note: The antenna gain is 1.68 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	24.34	24.70	566.765	27.53	30	Pass
6	2437	26.75	26.96	969.744	29.87	30	Pass
11	2462	25.26	25.57	696.316	28.43	30	Pass
12	2467	20.26	20.48	217.856	23.38	30	Pass
13	2472	17.80	18.54	131.706	21.20	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	23.81	23.72	475.941	26.78	30	Pass
6	2437	23.85	24.41	518.719	27.15	30	Pass
9	2452	22.89	22.92	390.42	25.92	30	Pass
10	2457	16.53	16.92	94.182	19.74	30	Pass
11	2462	17.61	18.11	122.391	20.88	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	26.73	26.83	952.925	29.79	30	Pass
13	2472	17.70	18.12	123.748	20.93	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	26.86	26.83	967.236	29.86	30	Pass
13	2472	18.06	18.46	134.119	21.27	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	23.91	24.03	498.967	26.98	30	Pass
13	2472	18.03	18.23	130.06	21.14	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_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				
1	2412	24.98	25.26	650.512	28.13	30	Pass
6	2437	26.73	26.98	969.862	29.87	30	Pass
11	2462	25.03	25.48	671.603	28.27	30	Pass
12	2467	21.81	21.80	303.061	24.82	30	Pass
13	2472	19.41	19.36	173.595	22.40	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	26.10	26.21	825.211	29.17	30	Pass
11	2462	17.11	17.71	110.424	20.43	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_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				
3	2422	24.62	24.46	568.989	27.55	30	Pass
6	2437	24.71	25.01	612.758	27.87	30	Pass
9	2452	24.71	24.02	548.149	27.39	30	Pass
10	2457	19.05	19.10	161.636	22.09	30	Pass
11	2462	19.10	19.35	167.382	22.24	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

Average Power

SISO B_802.11b

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	114.815	20.60	30	Pass
6	2437	117.761	20.71	30	Pass
11	2462	116.95	20.68	30	Pass
12	2467	75.858	18.80	30	Pass
13	2472	34.041	15.32	30	Pass

Note: The antenna gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

SISO A_802.11g

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
1	2412	79.799	19.02	30	Pass
6	2437	126.183	21.01	30	Pass
11	2462	70.795	18.50	30	Pass
12	2467	34.119	15.33	30	Pass
13	2472	14.859	11.72	30	Pass

Note: The antenna gain is 1.68 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	16.19	16.16	82.896	19.19	30	Pass
6	2437	20.83	20.80	241.286	23.83	30	Pass
11	2462	16.95	16.92	98.749	19.95	30	Pass
12	2467	11.92	11.85	30.871	14.90	30	Pass
13	2472	9.62	9.55	18.178	12.60	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	15.48	15.46	70.474	18.48	30	Pass
6	2437	15.81	15.85	76.566	18.84	30	Pass
9	2452	14.67	14.61	58.216	17.65	30	Pass
10	2457	8.50	8.43	14.046	11.48	30	Pass
11	2462	9.52	9.44	17.744	12.49	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	18.67	18.62	146.399	21.66	30	Pass
13	2472	7.55	7.48	11.286	10.53	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	18.95	18.91	156.327	21.94	30	Pass
13	2472	8.02	7.93	12.547	10.99	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	18.67	18.62	146.399	21.66	30	Pass
13	2472	7.99	7.90	12.461	10.96	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	16.06	16.02	80.359	19.05	30	Pass
6	2437	20.60	20.57	228.84	23.60	30	Pass
11	2462	16.05	15.95	79.627	19.01	30	Pass
12	2467	12.67	12.53	36.399	15.61	30	Pass
13	2472	10.08	10.02	20.232	13.06	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	17.22	16.96	102.382	20.10	30	Pass
11	2462	8.03	7.83	12.421	10.94	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

MIMO_802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	15.24	15.20	66.533	18.23	30	Pass
6	2437	15.50	15.42	70.315	18.47	30	Pass
9	2452	14.96	14.93	62.45	17.96	30	Pass
10	2457	9.63	9.52	18.137	12.59	30	Pass
11	2462	9.61	9.78	18.647	12.71	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.41 dBi < 6 dBi, so the output power limit shall not be reduced.

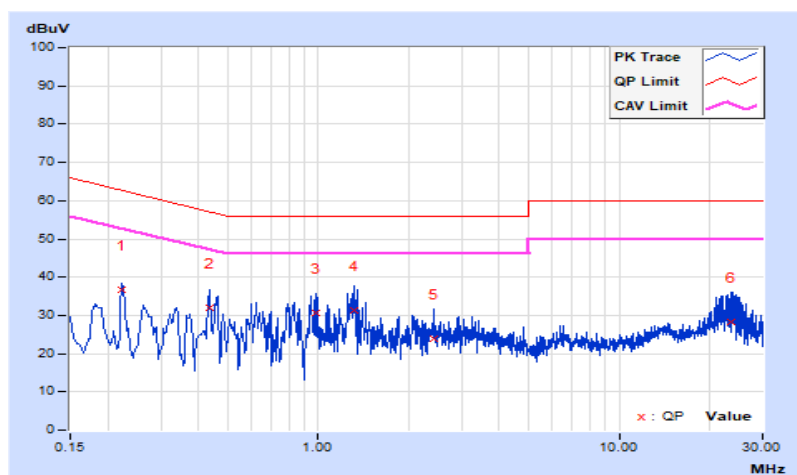
7.2 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	Channel	CH 9 : 2452 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Vincent 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	0.22200	10.35	26.48	12.04	36.83	22.39	62.74	52.74	-25.91	-30.35
2	0.43800	10.42	21.55	6.16	31.97	16.58	57.10	47.10	-25.13	-30.52
3	0.98600	10.43	20.28	2.05	30.71	12.48	56.00	46.00	-25.29	-33.52
4	1.32183	10.43	20.80	4.20	31.23	14.63	56.00	46.00	-24.77	-31.37
5	2.41800	10.44	13.40	3.18	23.84	13.62	56.00	46.00	-32.16	-32.38
6	23.45000	10.63	17.78	4.95	28.41	15.58	60.00	50.00	-31.59	-34.42

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

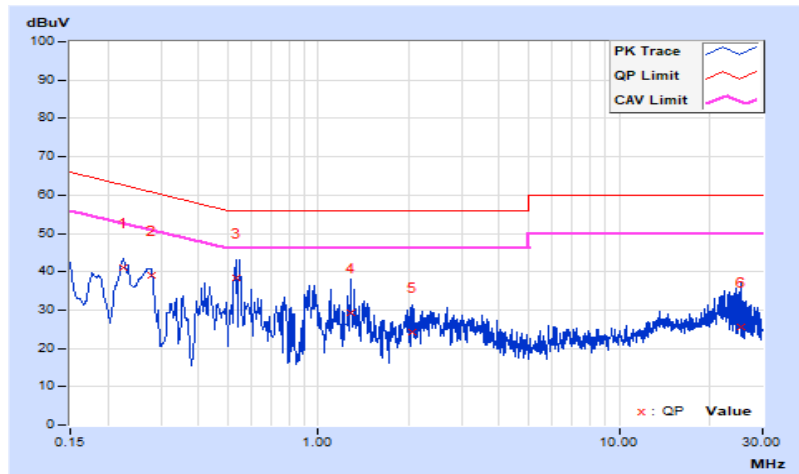


RF Mode	802.11ax (HE40)	Channel	CH 9 : 2452 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 67% RH
Tested By	Vincent Chen		

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	0.22565	10.37	30.66	17.42	41.03	27.79	62.61	52.61	-21.58	-24.82
2	0.27800	10.39	28.61	19.15	39.00	29.54	60.88	50.88	-21.88	-21.34
3	0.53400	10.44	27.87	10.67	38.31	21.11	56.00	46.00	-17.69	-24.89
4	1.28200	10.45	18.86	4.08	29.31	14.53	56.00	46.00	-26.69	-31.47
5	2.04200	10.44	13.78	1.42	24.22	11.86	56.00	46.00	-31.78	-34.14
6	25.42200	10.73	14.81	2.36	25.54	13.09	60.00	50.00	-34.46	-36.91

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



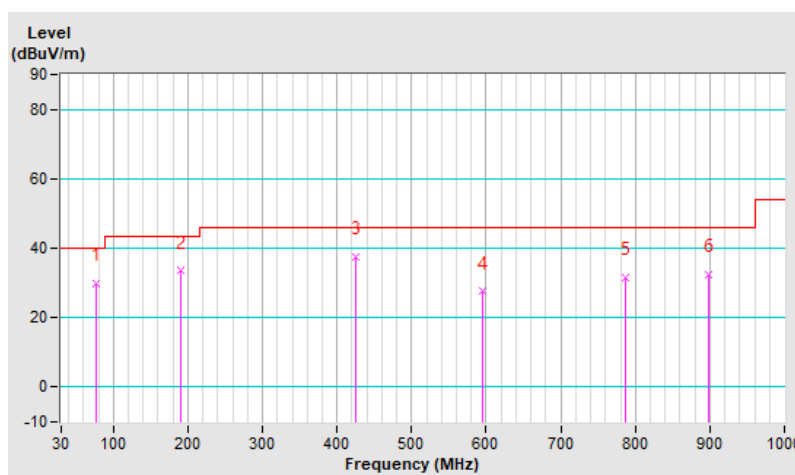
7.3 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	Channel	CH 9 : 2452 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Vincent 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	77.53	29.9 QP	40.0	-10.1	1.00 H	228	46.7	-16.8
2	190.05	33.4 QP	43.5	-10.1	2.00 H	82	48.6	-15.2
3	424.79	37.3 QP	46.0	-8.7	1.50 H	252	46.2	-8.9
4	595.51	27.5 QP	46.0	-18.5	2.00 H	312	32.8	-5.3
5	787.57	31.4 QP	46.0	-14.6	1.50 H	261	32.3	-0.9
6	898.15	32.2 QP	46.0	-13.8	2.00 H	226	33.0	-0.8

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

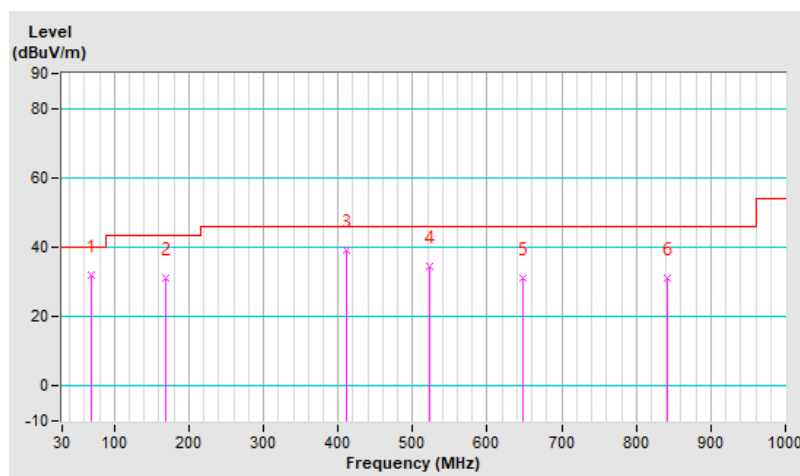


RF Mode	802.11ax (HE40)	Channel	CH 9 : 2452 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Vincent Chen		

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	69.77	32.1 QP	40.0	-7.9	1.00 V	349	46.9	-14.8
2	168.71	31.1 QP	43.5	-12.4	1.50 V	248	44.2	-13.1
3	412.18	39.0 QP	46.0	-7.0	2.00 V	34	48.4	-9.4
4	523.73	34.5 QP	46.0	-11.5	1.00 V	225	40.7	-6.2
5	648.86	31.2 QP	46.0	-14.8	2.00 V	152	35.2	-4.0
6	840.92	30.9 QP	46.0	-15.1	1.50 V	248	31.8	-0.9

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.4 Unwanted Emissions above 1 GHz

RF Mode	802.11n (HT40)	Channel	CH 9 : 2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	William Su		

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	*2452.00	104.9 PK			2.28 H	117	69.8	35.1
2	*2452.00	93.6 AV			2.28 H	117	58.5	35.1
3	2483.50	61.2 PK	74.0	-12.8	2.28 H	117	26.2	35.0
4	2483.50	47.4 AV	54.0	-6.6	2.28 H	117	12.4	35.0
5	4904.00	53.3 PK	74.0	-20.7	2.46 H	157	43.8	9.5
6	4904.00	40.2 AV	54.0	-13.8	2.46 H	157	30.7	9.5
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	*2452.00	101.2 PK			3.58 V	227	66.1	35.1
2	*2452.00	88.8 AV			3.58 V	227	53.7	35.1
3	2483.50	61.1 PK	74.0	-12.9	3.58 V	227	26.1	35.0
4	2483.50	47.1 AV	54.0	-6.9	3.58 V	227	12.1	35.0
5	4904.00	52.4 PK	74.0	-21.6	1.69 V	207	42.9	9.5
6	4904.00	39.2 AV	54.0	-14.8	1.69 V	207	29.7	9.5

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	802.11ax (HE40)	Channel	CH 9 : 2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Vincent 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	*2452.00	105.1 PK			1.77 H	144	70.0	35.1
2	*2452.00	92.2 AV			1.77 H	144	57.1	35.1
3	2483.50	63.2 PK	74.0	-10.8	1.77 H	144	28.2	35.0
4	2483.50	48.6 AV	54.0	-5.4	1.77 H	144	13.6	35.0
5	4904.00	52.8 PK	74.0	-21.2	2.30 H	164	43.3	9.5
6	4904.00	38.9 AV	54.0	-15.1	2.30 H	164	29.4	9.5

Antenna Polarity & Test Distance : Vertical at 3 m

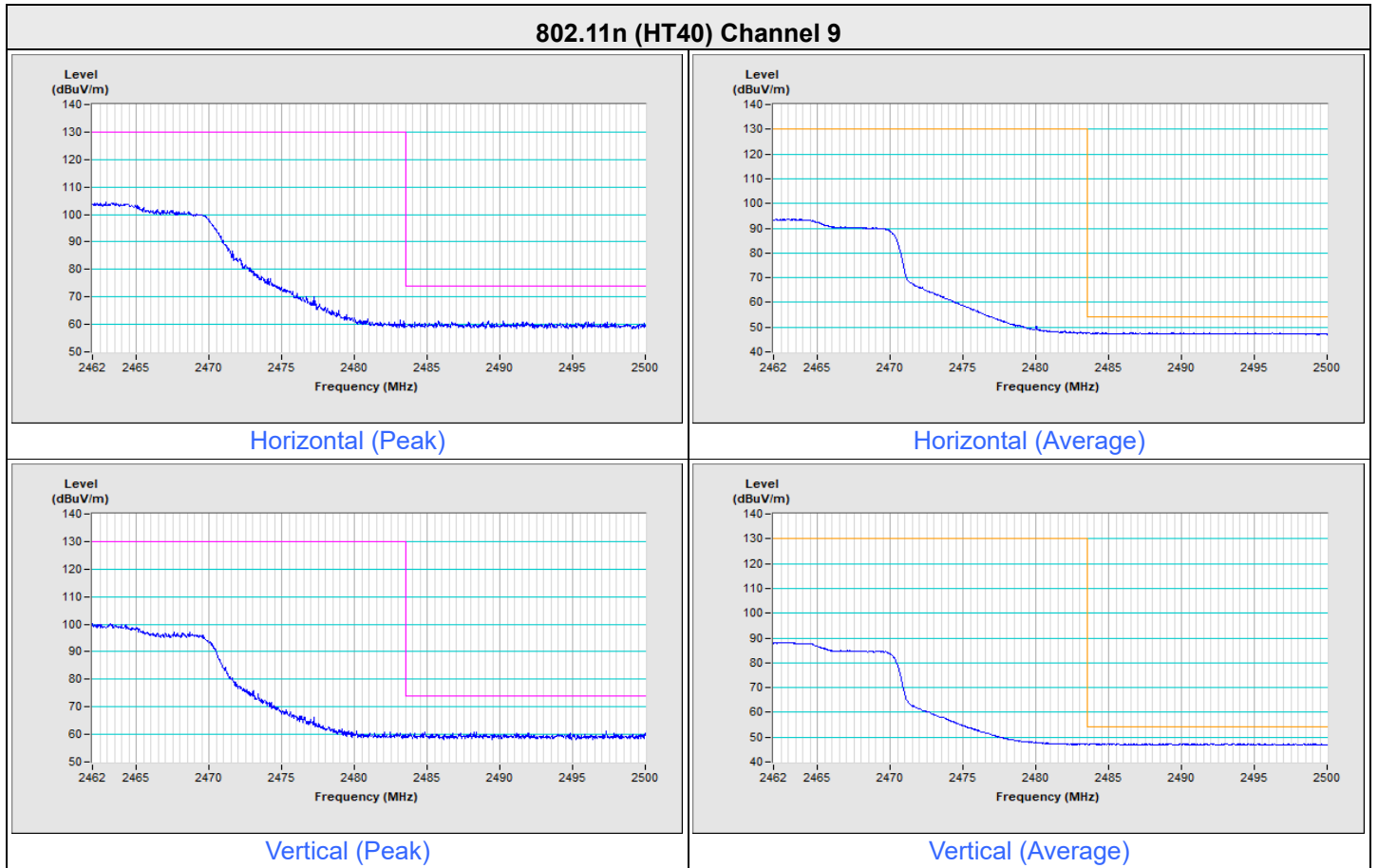
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	103.4 PK			3.01 V	139	68.3	35.1
2	*2452.00	90.9 AV			3.01 V	139	55.8	35.1
3	2483.50	62.7 PK	74.0	-11.3	3.01 V	139	27.7	35.0
4	2483.50	48.2 AV	54.0	-5.8	3.01 V	139	13.2	35.0
5	4904.00	52.3 PK	74.0	-21.7	1.65 V	228	42.8	9.5
6	4904.00	38.2 AV	54.0	-15.8	1.65 V	228	28.7	9.5

Remarks:

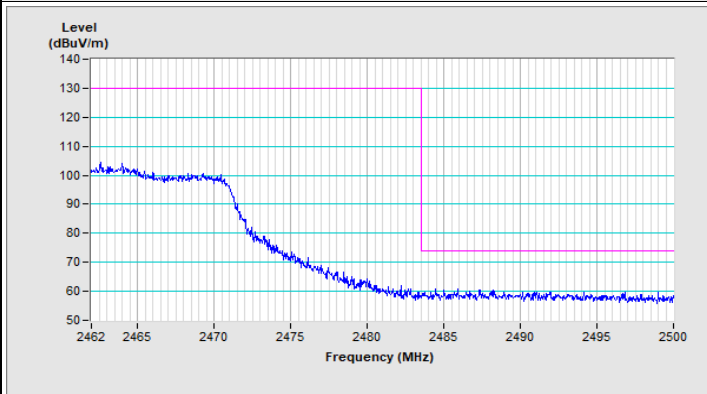
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

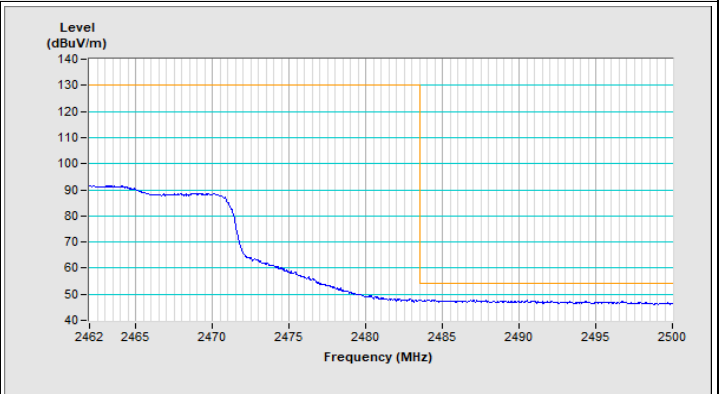
Frequency Range	2.462 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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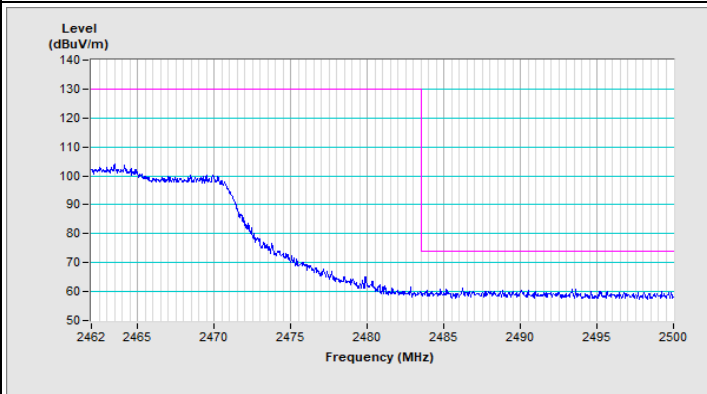
802.11ax (HE40) Channel 9



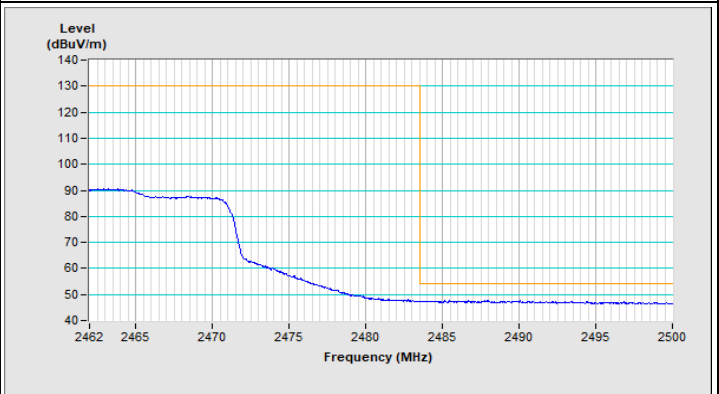
Horizontal (Peak)



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

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