

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBDKG-WTW-P23080624
FCC ID: JNZVR0032
Product: Micro Four Thirds Wireless Video Production Camera
Brand: Logitech
Model No.: VR0032
Received Date: 2023/8/28
Test Date: 2023/9/21 ~ 2023/10/27
Issued Date: 2023/11/30

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FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____



May Chen / Manager

, Date: _____

2023/11/30

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Prepared by : Vito Lung / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBDKG-WTW-P23080624	Original release.	2023/11/30

1 Certificate

Product: Micro Four Thirds Wireless Video Production Camera

Brand: Logitech

Test Model: VR0032

Sample Status: Engineering sample

Applicant: Logitech Far East Ltd.

Test Date: 2023/9/21 ~ 2023/10/27

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	Pass	Meet the requirement of limit.
15.247(a)(2)	6 dB Bandwidth	Pass	Meet the requirement of limit.
15.247(d)	Conducted Out of Band Emissions	Pass	Meet the requirement of limit.
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -10.51 dB at 12.05469 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.2 dB at 500.01 and 700.03 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -4.0 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is IPEX MHF I not a standard connector.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.6 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description

Product	Micro Four Thirds Wireless Video Production Camera
Brand	Logitech
Test Model	VR0032
Status of EUT	Engineering sample
Power Supply Rating	3.6 Vdc from battery or 5~9 Vdc from USB interface
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in VHT mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 144.4 Mbps VHT: up to 173.3 Mbps 802.11ax: up to 286.8 Mbps
Operating Frequency	2.412 GHz ~ 2.462 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20):11
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone
Output Power	1TX: 367.282 mW (25.65 dBm) 2TX: 746.469 mW (28.73 dBm)

Note:

1. The EUT must be supplied with a battery as the following table:

Brand	Model	Specification
Panasonic	533-000231 533-000230	Power Rating : 3.6 Vdc ; 23.04 Wh ; 6400mAh

2. The EUT uses following accessories.

Type C Cable

Brand	Model	Specification
Logi	JEM 1510-0429-0138	Signal Line : Shielded, 2 m

3. There are WLAN (2.4 GHz & 5 GHz & 6 GHz) and Bluetooth technology used for the EUT.

4. Simultaneously transmission condition.

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

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

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
0	0	4.5	2.4~2.4835	Printed F	IPEX MHF I
		6.93	5.15~5.85		
		7.03	5.925~7.125		
1	1	3.41	2.4~2.4835	Printed F	IPEX MHF I
		6.69	5.15~5.85		
		6.81	5.925~7.125		

* 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	2Rx
802.11g	2Tx/1Tx Diversity	2Rx
802.11n (HT20)	2Tx/1Tx Diversity	2Rx
VHT20	2Tx/1Tx Diversity	2Rx
802.11ax (HE20)	2Tx/1Tx Diversity	2Rx
802.11ax (RU26/52/106/242)	2Tx/1Tx Diversity	2Rx

Note:

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

3.3 Channel List

11 channels are provided for 802.11b, 802.11g, 802.11n (HT20), VHT20, 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		

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	<ol style="list-style-type: none"> 1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT has support 1Tx diversity configuration. Pre-scan these Chain0/ Chain1 and find the worst case as a representative test condition. 3. For Unwanted Emission (below 1GHz) items: Battery/ AC Adapter/ Laptop. Pre-scan these modes and find the worst case as a representative test condition. 4. For AC power conducted emission items: AC Adapter/ Laptop. Only these modes as a representative test condition. 5. The worst-case Partial RU modes across all supported bandwidth modes has been determined via pre-scan. 6. 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).
Worst Case:	<ol style="list-style-type: none"> 1. X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis 2. For 1Tx diversity Worst Condition: Chain0 3. For Unwanted emission (below 1GHz) item worst condition: Laptop 4. For AC power conducted emission items worst condition: Laptop 5. The worst case occurs in 20MHz bandwidth (RU 26/52/106).

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

Test Item	Mode	Transmitter Configuration	Tested Channel	Modulation	Data Rate Parameter	RU Index
RF Output Power	802.11b	1Tx Chain0	1, 6, 11	DBPSK	1Mb/s	-
	802.11g	1Tx Chain0 / 2Tx	1, 6, 11	BPSK	6Mb/s	-
	802.11n (HT20)		1, 6, 11	BPSK	MCS0	-
	802.11ax (HE20)		1, 6, 11	BPSK	MCS0	-
	802.11ax (HE20) 26-tone RU		1, 6, 11	BPSK	MCS0	0, 4, 8
	802.11ax (HE20) 52-tone RU		1, 6, 11	BPSK	MCS0	37, 38, 40
	802.11ax (HE20) 106-tone RU		1, 6, 11	BPSK	MCS0	53, 53, 54
Power Spectral Density	802.11b	1Tx Chain0	1, 6, 11	DBPSK	1Mb/s	-
	802.11g	1Tx Chain0 / 2Tx	1, 6, 11	BPSK	6Mb/s	-
	802.11ax (HE20)		1, 6, 11	BPSK	MCS0	-
	802.11ax (HE20) 26-tone RU		1, 6, 11	BPSK	MCS0	0, 4, 8
	802.11ax (HE20) 52-tone RU		1, 6, 11	BPSK	MCS0	37, 38, 40
	802.11ax (HE20) 106-tone RU		1, 6, 11	BPSK	MCS0	53, 53, 54

6 dB Bandwidth / Conducted Out of Band Emissions	802.11b	1Tx Chain0	1, 6, 11	DBPSK	1Mb/s	-
	802.11g	1Tx Chain0 / 2Tx	1, 6, 11	BPSK	6Mb/s	-
	802.11ax (HE20)		1, 6, 11	BPSK	MCS0	-
	802.11ax (HE20) 26-tone RU		1, 6, 11	BPSK	MCS0	0, 4, 8
	802.11ax (HE20) 52-tone RU		1, 6, 11	BPSK	MCS0	37, 38, 40
	802.11ax (HE20) 106-tone RU		1, 6, 11	BPSK	MCS0	53, 53, 54
AC Power Conducted Emissions	802.11b	1Tx Chain0	6	DBPSK	1Mb/s	-
	802.11ax (HE20)	2Tx	6	BPSK	MCS0	-
Unwanted Emissions below 1 GHz	802.11b	1Tx Chain0	6	DBPSK	1Mb/s	-
	802.11ax (HE20)	2Tx	6	BPSK	MCS0	-
Unwanted Emissions above 1 GHz	802.11b	1Tx Chain0	1, 6, 11	DBPSK	1Mb/s	-
	802.11g	1Tx Chain0 / 2Tx	1, 6, 11	BPSK	6Mb/s	-
	802.11ax (HE20)		1, 6, 11	BPSK	MCS0	-
	802.11ax (HE20) 26-tone RU		1, 6, 11	BPSK	MCS0	0, 4, 8
	802.11ax (HE20) 52-tone RU		1, 6, 11	BPSK	MCS0	37, 38, 40
	802.11ax (HE20) 106-tone RU		1, 6, 11	BPSK	MCS0	53, 53, 54

Note:

1. Channel puncturing mechanism is not supported.
2. This battery has two model names (533-000230 & 533-000231), select model (533-000230) for testing.

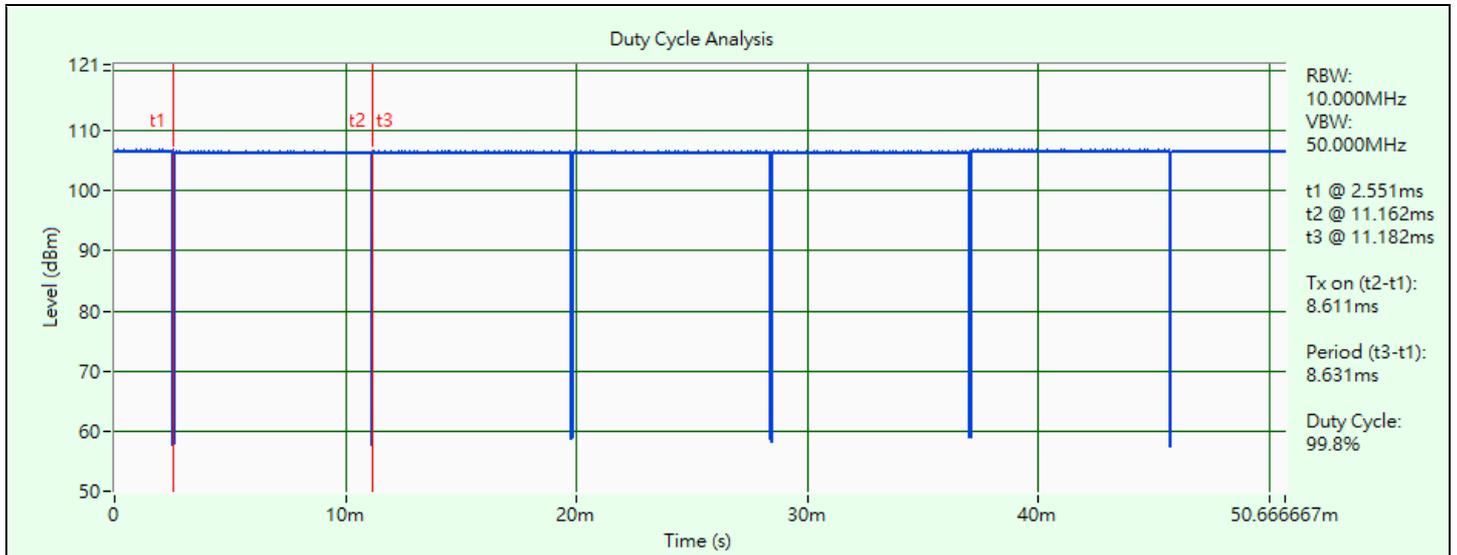


3.5 Duty Cycle of Test Signal

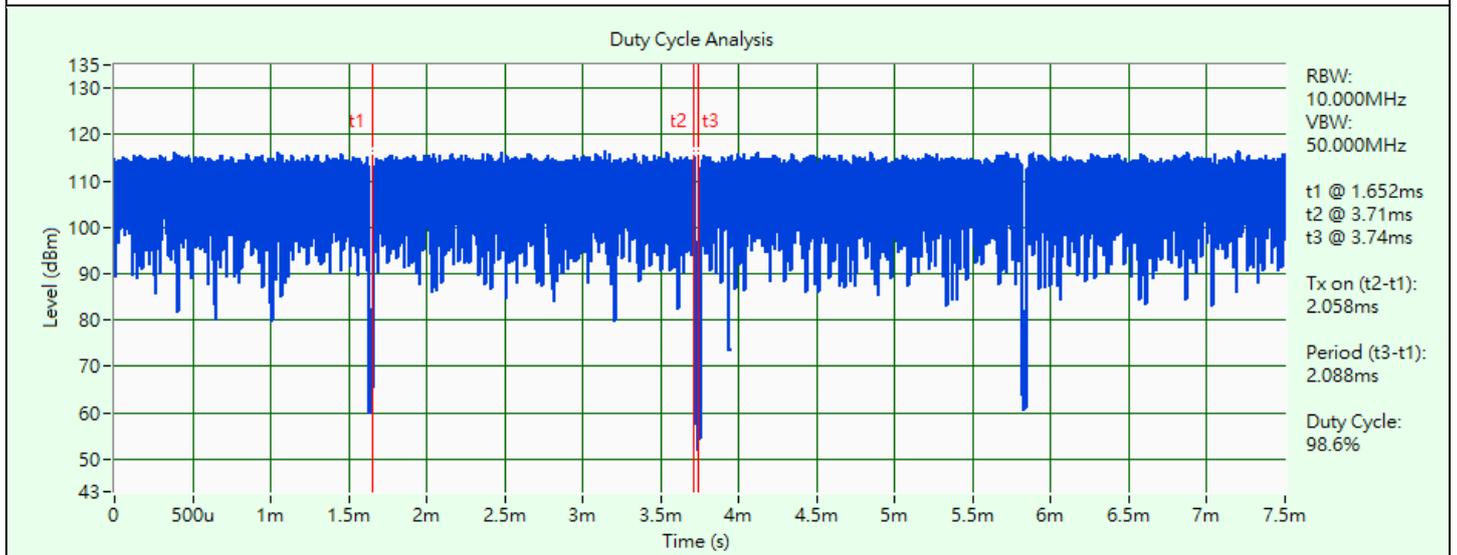
802.11b: Duty cycle = 8.611 ms / 8.631 ms x 100% = 99.8%

802.11g: Duty cycle = 2.058 ms / 2.088 ms x 100% = 98.6%

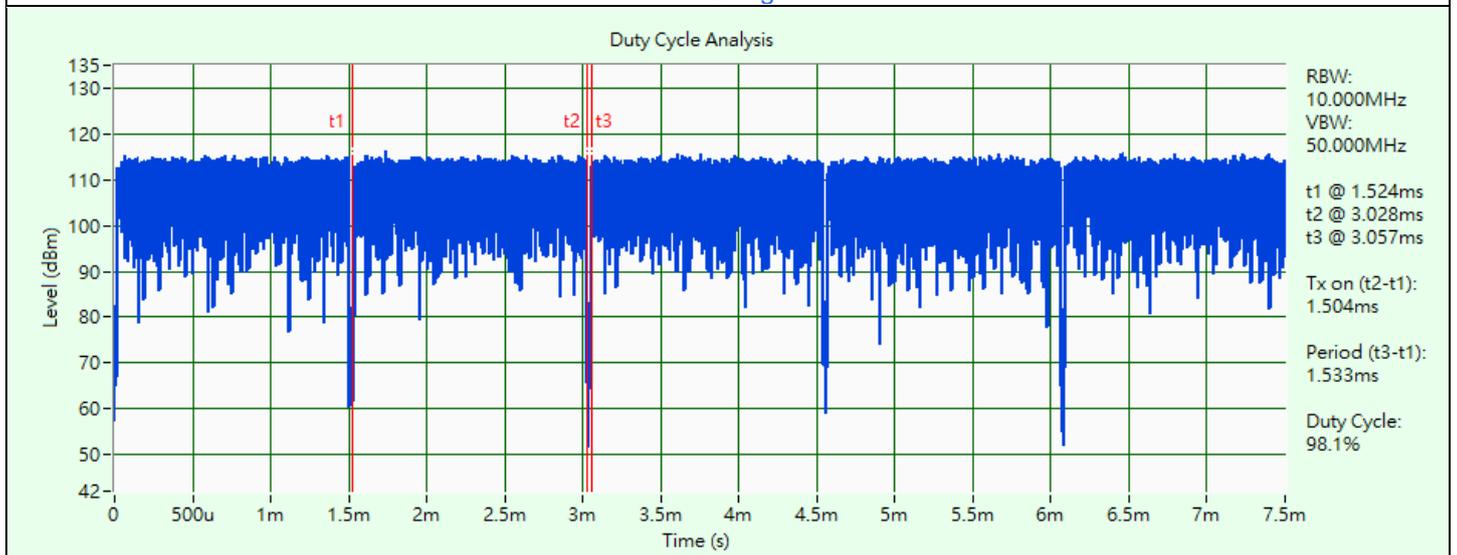
802.11ax (HE20): Duty cycle = 1.504 ms / 1.533 ms x 100% = 98.1%



802.11b



802.11g



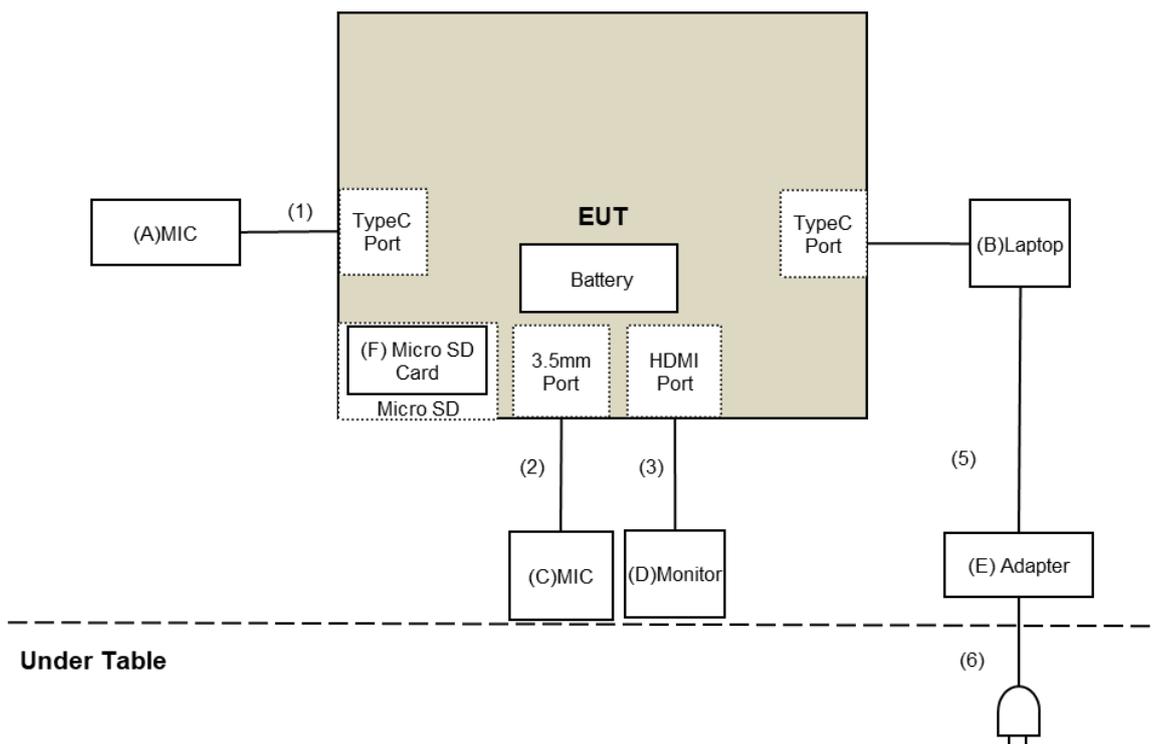
802.11ax (HE20)

3.6 Test Program Used and Operation Descriptions

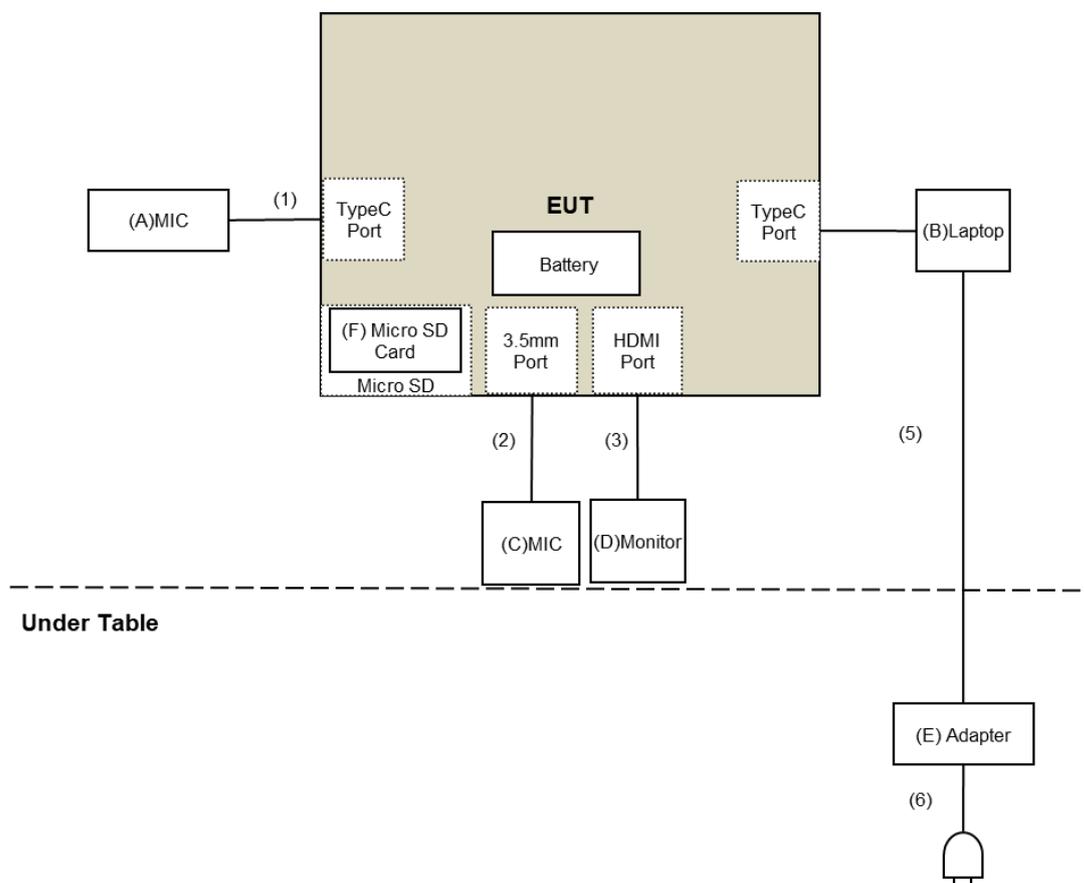
Controlling software (WI-FI:teraterm-4.106 paste VR0032_Wi-Fi TEST SOP.pptx command) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For AC Power Conducted Emission test



For Unwanted Emission test



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	MIC	Logitech	2324SG000NN8	N/A	N/A	Supplied by applicant
B	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
C	MIC	E-books	E-EPB130	N/A	N/A	Provided by Lab
D	Monitor	DELL	P2415Q	CN-0J1P7F-QDC00-85L-13GB-A09	DoC	Provided by Lab
E	Adapter	Lenovo	ADLX45YLC3D	N/A	N/A	Provided by Lab
F	Micro SD card	Adata	2E-1746D1	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Type C Cable	1	2	YES	0	Supplied by applicant
2	3.5mm Cable	1	1.5	NO	0	Provided by Lab
3	HDMI Cable	1	2	YES	0	Supplied by applicant
4	Type C Cable	1	2	YES	0	Supplied by applicant
5	DC Cable	1	1.8	No	0	Provided by Lab
6	AC Cable	1	1	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
Power Meter Anritsu	ML2495A	1529002	2023/6/17	2024/6/16
Pulse Power Sensor Anritsu	MA2411B	1726434	2023/6/19	2024/6/18

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/10/23

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/10/23

4.3 6 dB Bandwidth

Refer to section 4.2 to get information of the instruments.

4.4 Conducted Out of Band Emissions

Refer to section 4.2 to get information of the instruments.

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-04	2023/10/20	2024/10/19
EMI Test Receiver R&S	ESCS 30	100375	2023/5/17	2024/5/16
Fixed Attenuator STI	STI02-2200-10	005	2023/7/1	2024/6/30
LISN R&S	ENV216	100071	2022/10/26 2023/10/25	2023/10/25 2024/10/24
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2023/7/1	2024/6/30
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/10/24 ~ 2023/10/27

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2023/10/13	2024/10/12
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2023/9/7	2024/9/6
Loop Antenna Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
MXE EMI Receiver Agilent	N9038A	MY50010156	2023/6/13	2024/6/12
Preamplifier EMCI	EMC330N	980852	2023/2/20	2024/2/19
	EMC001340	980142	2023/5/8	2024/5/7
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
RF Coaxial Cable PEWC	8D	966-3-2	2023/2/17	2024/2/16
		966-3-3	2023/2/17	2024/2/16
		966-4-1	2023/2/18	2024/2/17
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2023/10/23

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2022/11/13	2023/11/12
	BBHA 9170	9170-739	2022/11/13	2023/11/12
MXE EMI Receiver Agilent	N9038A	MY50010156	2023/6/13	2024/6/12
Preamplifier EMCI	EMC12630SE	980384	2023/8/9	2024/8/8
	EMC184045SE	980387	2023/8/9	2024/8/8
PXA Signal Analyzer Keysight	N9030B	MY57142938	2023/4/6	2024/4/5
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2023/2/20	2024/2/19
	EMC102-KM-KM-1200	160924	2023/8/9	2024/8/8
	EMC104-SM-SM-1500	180504	2023/3/27	2024/3/26
	EMC104-SM-SM-2000	180601	2023/6/2	2024/6/1
	EMC104-SM-SM-6000	210201	2023/5/8	2024/5/7
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2023/9/21 ~ 2023/10/23

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 Power Spectral Density

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

5.3 6 dB Bandwidth

The minimum of 6 dB Bandwidth Measurement is 0.5 MHz.

5.4 Conducted Out of Band Emissions

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

5.5 AC Power Conducted Emissions

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

Notes:

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

5.6 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.7 Unwanted Emissions above 1 GHz

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

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

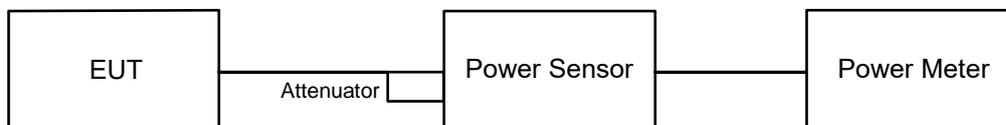
Notes:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



6.1.2 Test Procedure

Peak Power:

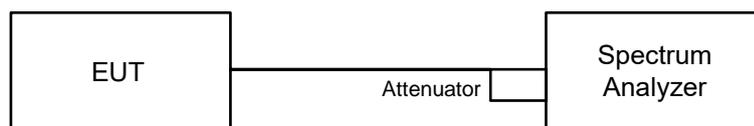
A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average Power:

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

6.2 Power Spectral Density

6.2.1 Test Setup

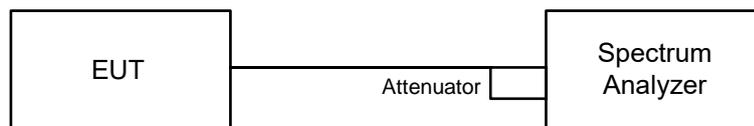


6.2.2 Test Procedure

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

6.3 6 dB Bandwidth

6.3.1 Test Setup

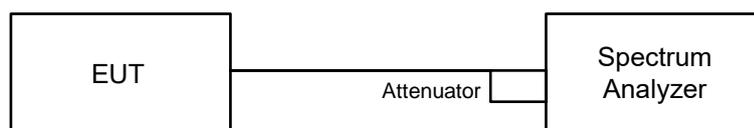


6.3.2 Test Procedure

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

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

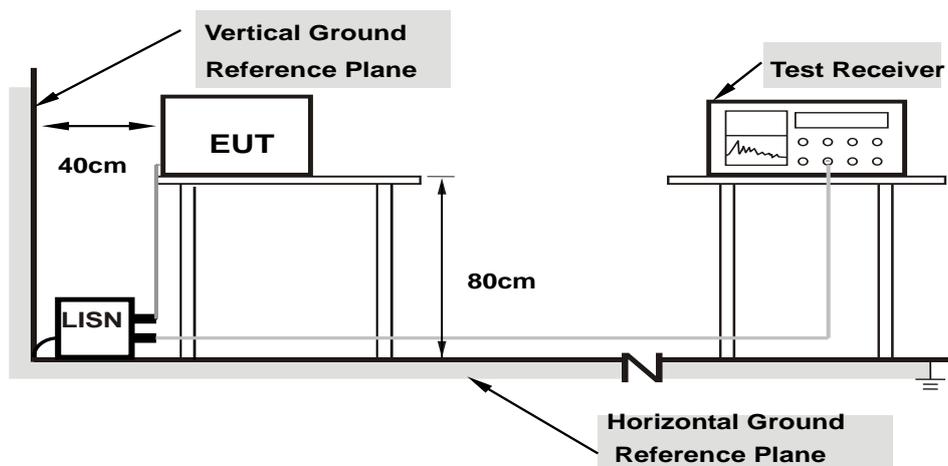
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOB

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

6.5 AC Power Conducted Emissions

6.5.1 Test Setup



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

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

6.5.2 Test Procedure

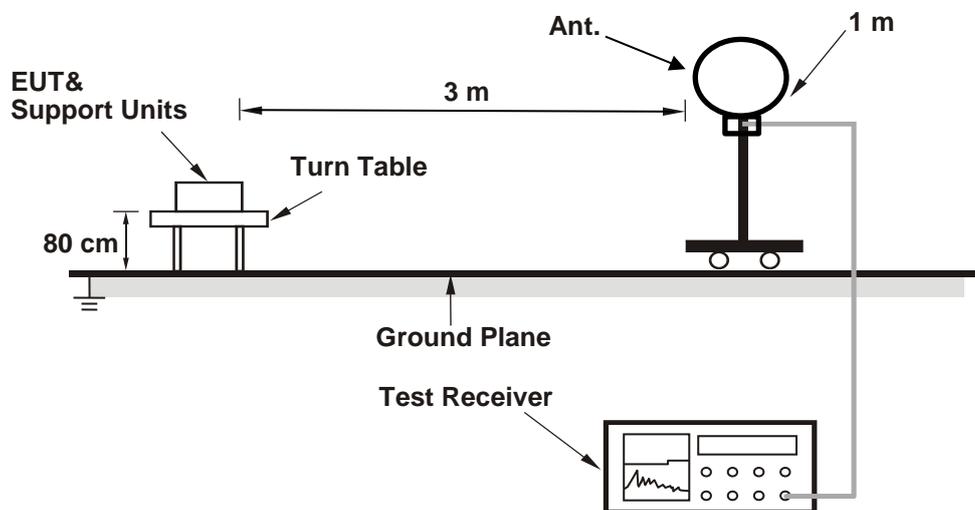
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

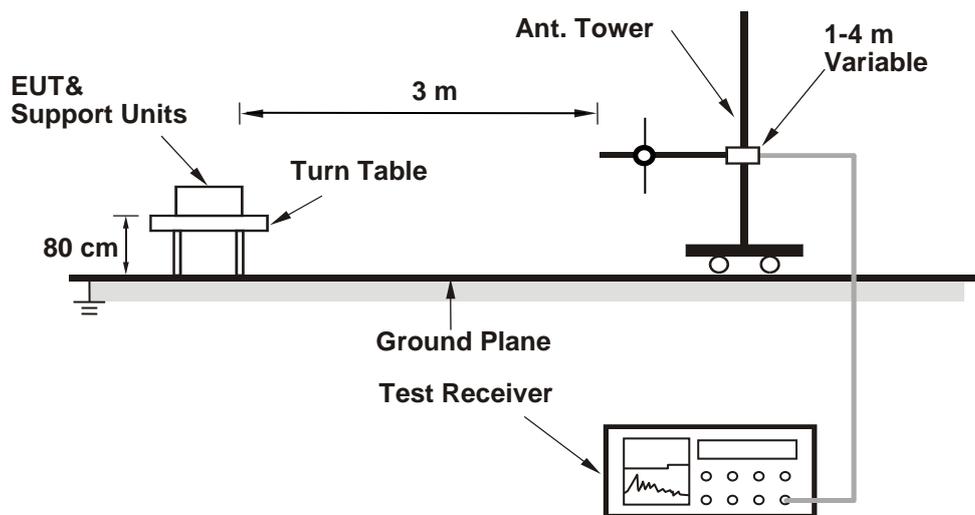
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

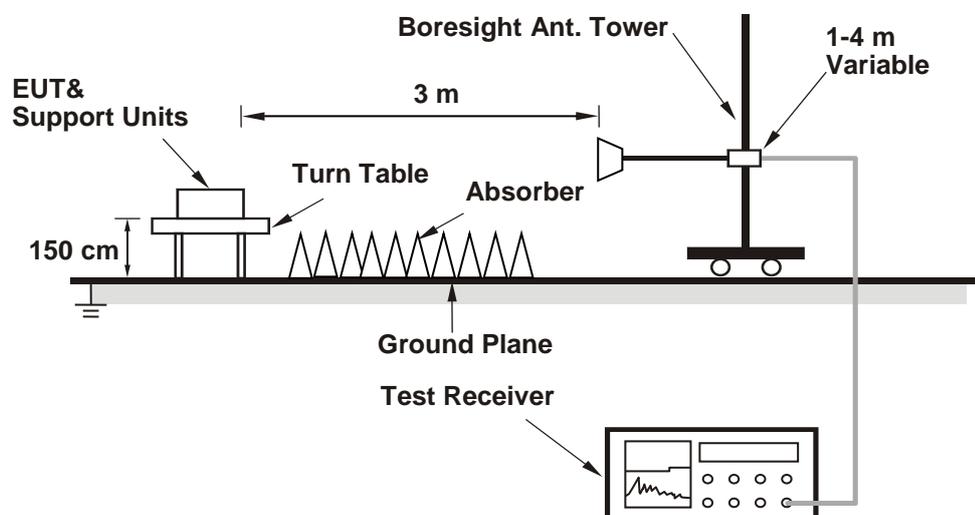
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



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

6.7.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	3.6 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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For Peak Power

802.11b 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	96.605	19.85	30	Pass
6	2437	367.282	25.65	30	Pass
11	2462	87.902	19.44	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11g 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	134.276	21.28	30	Pass
6	2437	310.456	24.92	30	Pass
11	2462	188.799	22.76	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20) 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	139.959	21.46	30	Pass
6	2437	310.456	24.92	30	Pass
11	2462	145.881	21.64	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	148.936	21.73	30	Pass
6	2437	325.087	25.12	30	Pass
11	2462	153.109	21.85	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	206.538	23.15	30	Pass
6	2437	347.536	25.41	30	Pass
11	2462	205.116	23.12	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	309.742	24.91	30	Pass
6	2437	365.595	25.63	30	Pass
11	2462	351.56	25.46	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2412	284.446	24.54	30	Pass
6	2437	355.631	25.51	30	Pass
11	2462	325.087	25.12	30	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11g CDD-2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	22.14	22.61	346.071	25.39	30	Pass
6	2437	24.05	24.26	520.783	27.17	30	Pass
11	2462	20.20	21.80	256.069	24.08	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20) CDD-2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	20.21	20.97	229.98	23.62	30	Pass
6	2437	24.81	26.02	702.636	28.47	30	Pass
11	2462	20.73	21.40	256.343	24.09	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) CDD-2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	20.41	21.20	241.726	23.83	30	Pass
6	2437	25.05	26.30	746.469	28.73	30	Pass
11	2462	20.95	21.66	271.006	24.33	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	24.53	25.23	617.218	27.90	30	Pass
6	2437	25.05	26.20	736.759	28.67	30	Pass
11	2462	24.63	25.61	654.317	28.16	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	24.36	25.01	589.855	27.71	30	Pass
6	2437	25.05	26.20	736.759	28.67	30	Pass
11	2462	24.23	25.32	605.258	27.82	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU CDD-2Tx

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	24.95	584.252	27.67	30	Pass
6	2437	25.01	26.25	738.653	28.68	30	Pass
11	2462	24.51	25.23	615.914	27.90	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

For Average Power

802.11b 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	62.661	17.97
6	2437	194.536	22.89
11	2462	44.875	16.52

802.11g 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	40.179	16.04
6	2437	107.895	20.33
11	2462	44.978	16.53

802.11n (HT20) 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	32.659	15.14
6	2437	86.298	19.36
11	2462	32.659	15.14

802.11ax (HE20) 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	34.514	15.38
6	2437	91.201	19.60
11	2462	34.914	15.43

802.11ax (HE20) 26-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	45.709	16.60
6	2437	194.089	22.88
11	2462	51.761	17.14

802.11ax (HE20) 52-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	56.234	17.50
6	2437	190.108	22.79
11	2462	81.658	19.12

802.11ax (HE20) 106-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	54.828	17.39
6	2437	189.671	22.78
11	2462	59.979	17.78

802.11g CDD-2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.21	16.93	91.1	19.60
6	2437	18.12	18.58	136.974	21.37
11	2462	15.02	15.56	67.744	18.31

802.11n (HT20) CDD-2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	14.30	15.12	59.424	17.74
6	2437	18.50	19.65	163.052	22.12
11	2462	14.23	14.78	56.546	17.52

802.11ax (HE20) CDD-2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	14.58	15.36	63.064	18.00
6	2437	18.71	19.87	171.353	22.34
11	2462	14.50	15.06	60.247	17.80

802.11ax (HE20) 26-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.01	17.04	90.485	19.57
6	2437	18.65	19.87	170.333	22.31
11	2462	16.15	17.53	97.834	19.90

802.11ax (HE20) 52-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.13	16.84	89.326	19.51
6	2437	18.65	19.73	167.255	22.23
11	2462	16.33	17.45	98.544	19.94

802.11ax (HE20) 106-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2412	16.11	16.94	90.263	19.56
6	2437	18.55	19.54	161.564	22.08
11	2462	16.21	17.21	94.385	19.75

7.2 Power Spectral Density

Input Power:	3.6 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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802.11b 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-4.69	8	Pass
6	2437	0.22	8	Pass
11	2462	-4.84	8	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11g 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-6.83	8	Pass
6	2437	-2.68	8	Pass
11	2462	-5.61	8	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-9.52	8	Pass
6	2437	-4.62	8	Pass
11	2462	-9.34	8	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-1.40	8	Pass
6	2437	7.12	8	Pass
11	2462	-0.41	8	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-2.33	8	Pass
6	2437	4.25	8	Pass
11	2462	-0.77	8	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2412	-5.38	8	Pass
6	2437	1.27	8	Pass
11	2462	-4.67	8	Pass

Note: The antenna gain is 4.5 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11g CDD-2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-7.18	-5.95	-3.51	7.02	Pass
6	2437	-4.70	-2.88	-0.68	7.02	Pass
11	2462	-7.48	-7.71	-4.58	7.02	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- The directional gain is 6.98 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.98 - 6) = 7.02$ dBm/3kHz.

802.11ax (HE20) CDD-2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-10.69	-9.52	-7.06	7.02	Pass
6	2437	-6.26	-5.01	-2.58	7.02	Pass
11	2462	-9.92	-9.36	-6.62	7.02	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- The directional gain is 6.98 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.98 - 6) = 7.02$ dBm/3kHz.

802.11ax (HE20) 26-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-0.40	-0.88	2.38	7.02	Pass
6	2437	2.41	1.20	4.86	7.02	Pass
11	2462	0.79	0.94	3.88	7.02	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- The directional gain is 6.98 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.98 - 6) = 7.02$ dBm/3kHz.

802.11ax (HE20) 52-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-2.46	-2.64	0.46	7.02	Pass
6	2437	0.08	-0.28	2.91	7.02	Pass
11	2462	-2.36	-1.81	0.93	7.02	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- The directional gain is 6.98 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.98 - 6) = 7.02$ dBm/3kHz.

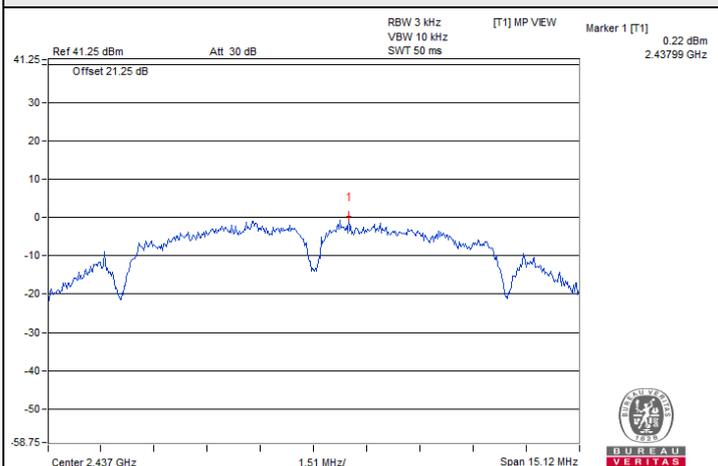
802.11ax (HE20) 106-tone RU CDD-2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-5.16	-5.53	-2.33	7.02	Pass
6	2437	-2.70	-3.76	-0.19	7.02	Pass
11	2462	-4.03	-4.81	-1.39	7.02	Pass

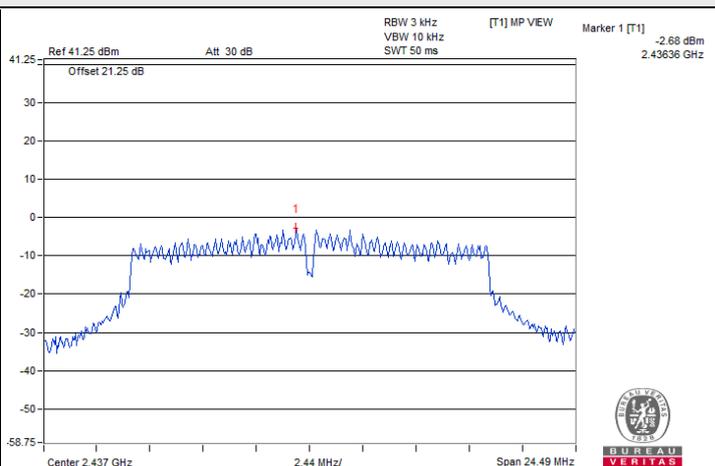
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. The directional gain is 6.98 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.98 - 6) = 7.02$ dBm/3kHz.

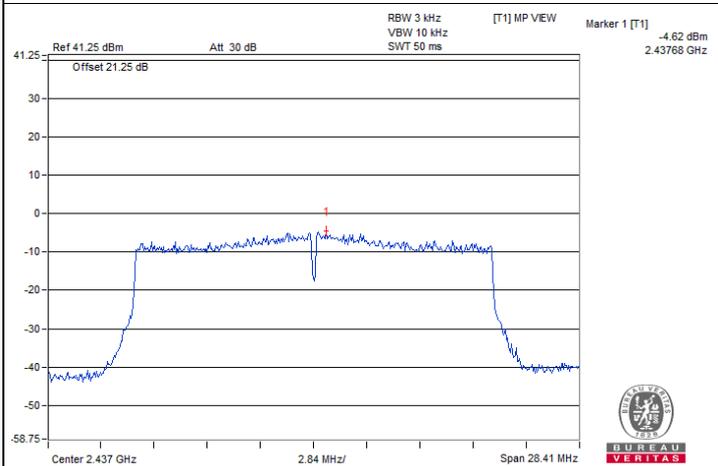
Spectrum Plot of Maximum Value



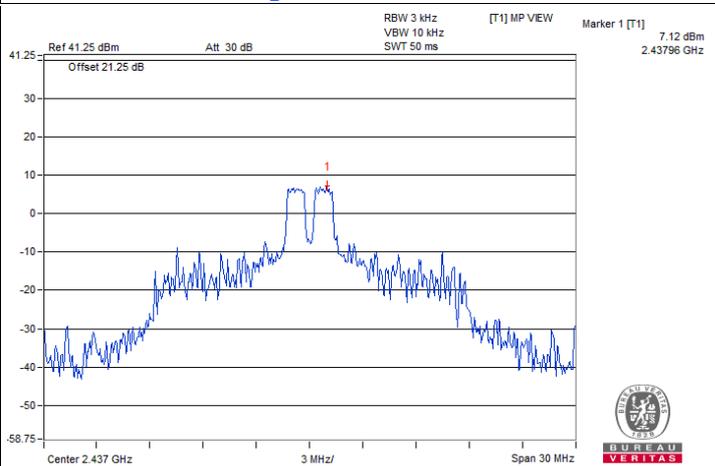
802.11b 1Tx / Chain 0 : CH 6



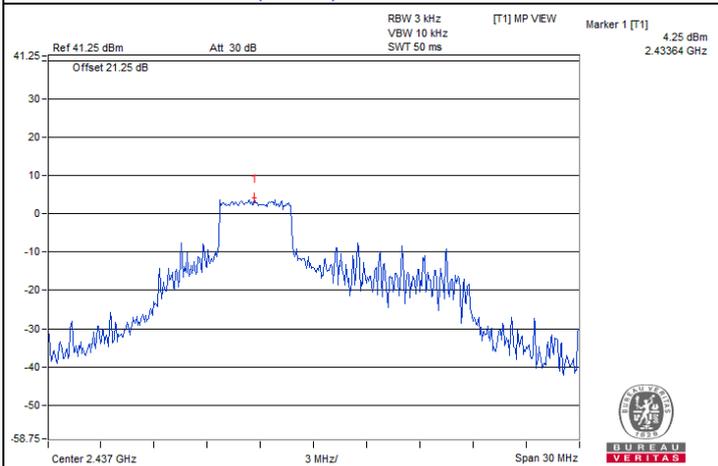
802.11g 1Tx / Chain 0 : CH 6



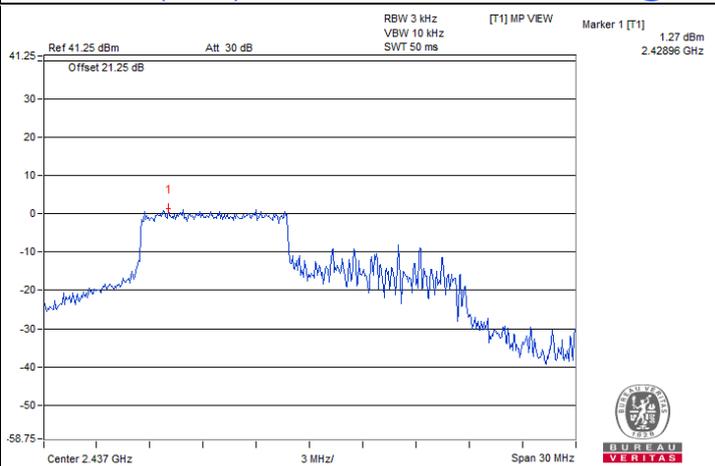
802.11ax (HE20) 1Tx / Chain 0 : CH 6



802.11ax (HE20) 26-tone RU 1Tx / Chain 0 : CH 6@4

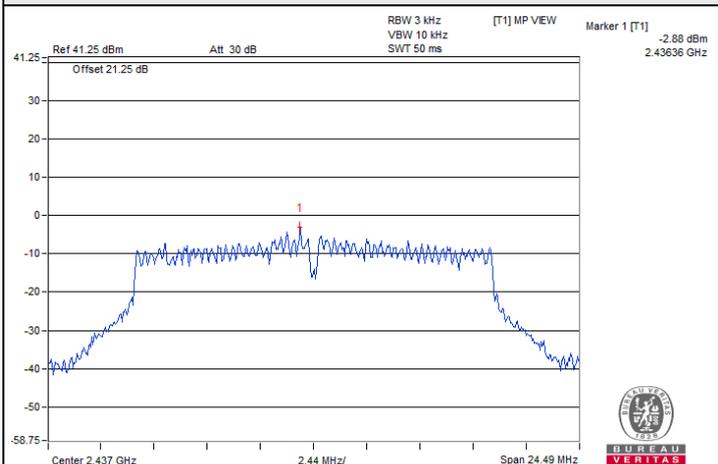


802.11ax (HE20) 52-tone RU 1Tx / Chain 0 : CH 6@38

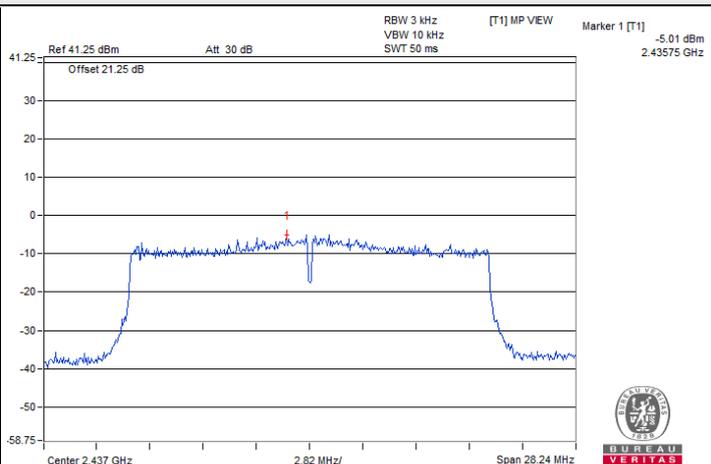


802.11ax (HE20) 106-tone RU 1Tx / Chain 0 : CH 6@53

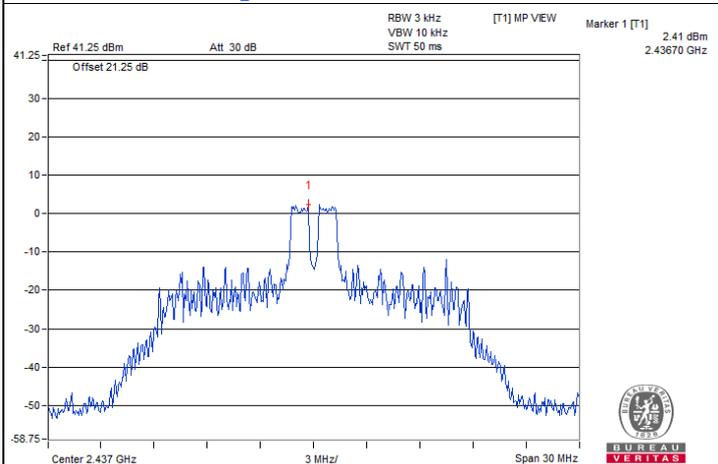
Spectrum Plot of Maximum Value



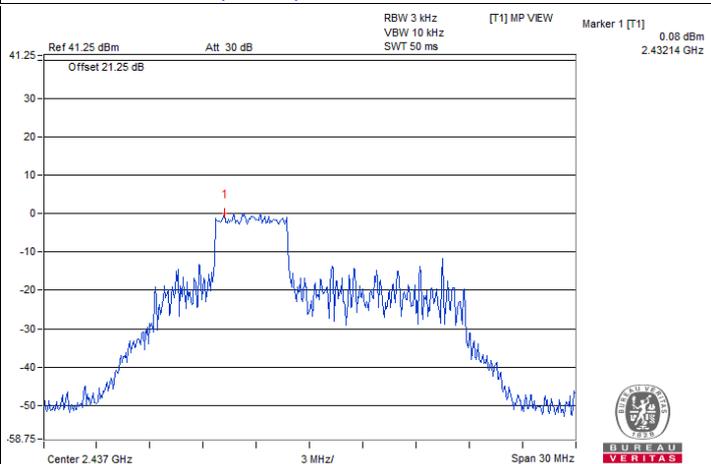
802.11g CDD-2Tx / Chain 1 : CH 6



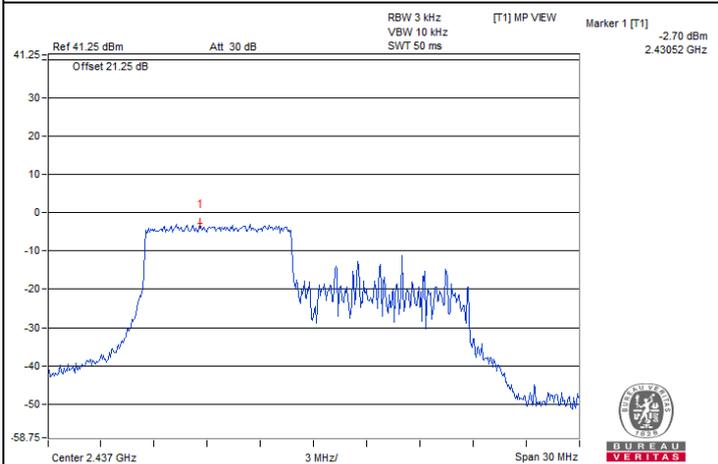
802.11ax (HE20) CDD-2Tx / Chain 1 : CH 6



802.11ax (HE20) 26-tone RU CDD-2Tx / Chain 0 : CH 6@4



802.11ax (HE20) 52-tone RU CDD-2Tx / Chain 0 : CH 6@38



802.11ax (HE20) 106-tone RU CDD-2Tx / Chain 0 : CH 6@53

7.3 6 dB Bandwidth

Input Power:	3.6 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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802.11b 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	9.06	0.5	Pass
6	2437	10.08	0.5	Pass
11	2462	9.1	0.5	Pass

802.11g 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	16.33	0.5	Pass
6	2437	16.33	0.5	Pass
11	2462	16.04	0.5	Pass

802.11ax (HE20) 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	19.02	0.5	Pass
6	2437	18.94	0.5	Pass
11	2462	19	0.5	Pass

802.11ax (HE20) 26-tone RU 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	2.09	0.5	Pass
6	2437	2.7	0.5	Pass
11	2462	2.1	0.5	Pass

802.11ax (HE20) 52-tone RU 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	17.07	0.5	Pass
6	2437	15.09	0.5	Pass
11	2462	15.82	0.5	Pass

802.11ax (HE20) 106-tone RU 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2412	17.19	0.5	Pass
6	2437	17.2	0.5	Pass
11	2462	17.16	0.5	Pass

802.11g CDD-2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.33	16.35	0.5	Pass
6	2437	16.33	16.33	0.5	Pass
11	2462	16.34	16.35	0.5	Pass

802.11ax (HE20) CDD-2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	18.98	18.93	0.5	Pass
6	2437	18.92	18.83	0.5	Pass
11	2462	19.01	18.92	0.5	Pass

802.11ax (HE20) 26-tone RU CDD-2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	2.13	2.09	0.5	Pass
6	2437	2.70	2.70	0.5	Pass
11	2462	2.11	2.09	0.5	Pass

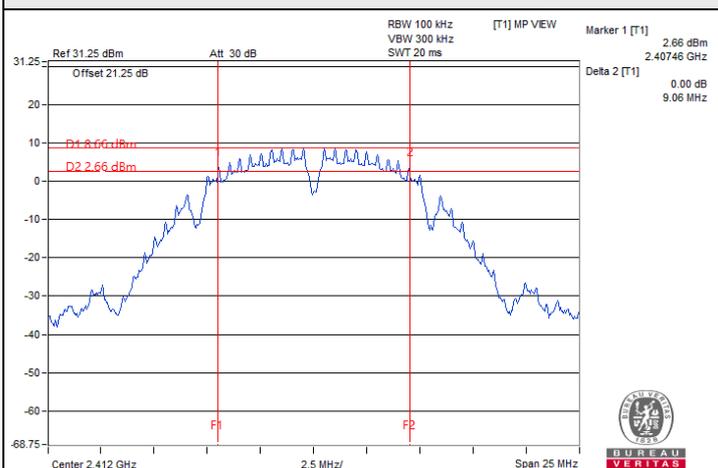
802.11ax (HE20) 52-tone RU CDD-2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	17.08	17.08	0.5	Pass
6	2437	13.84	15.07	0.5	Pass
11	2462	15.81	17.03	0.5	Pass

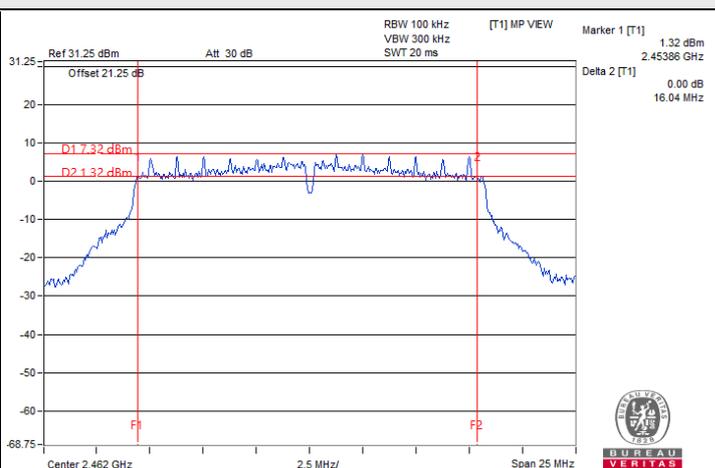
802.11ax (HE20) 106-tone RU CDD-2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	17.17	17.17	0.5	Pass
6	2437	17.18	17.19	0.5	Pass
11	2462	17.15	17.19	0.5	Pass

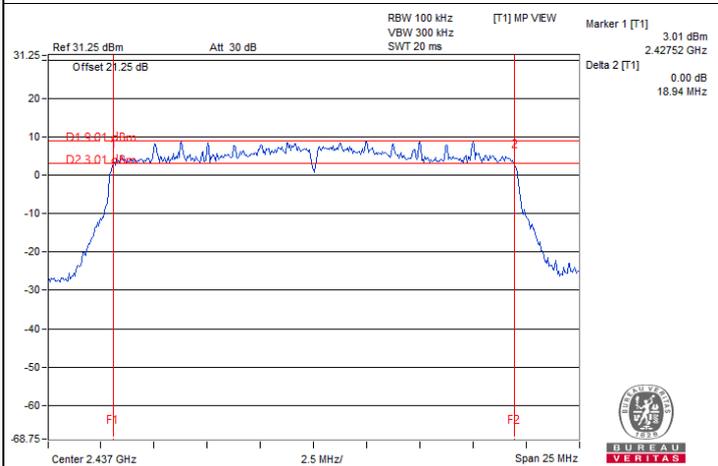
Spectrum Plot of Minimum Value



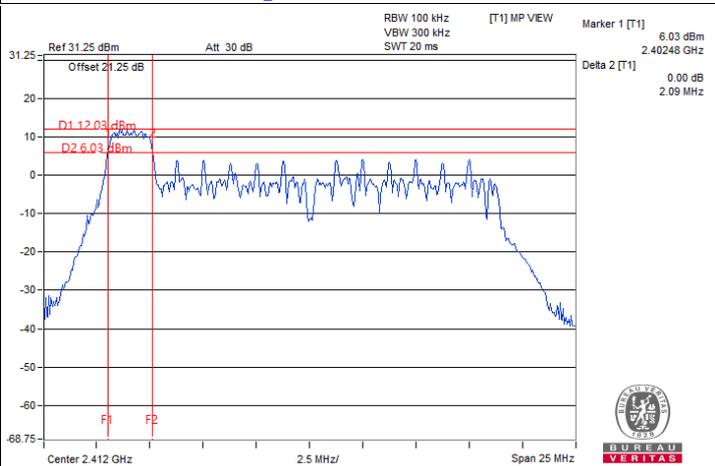
802.11b 1Tx / Chain 0 : CH 1



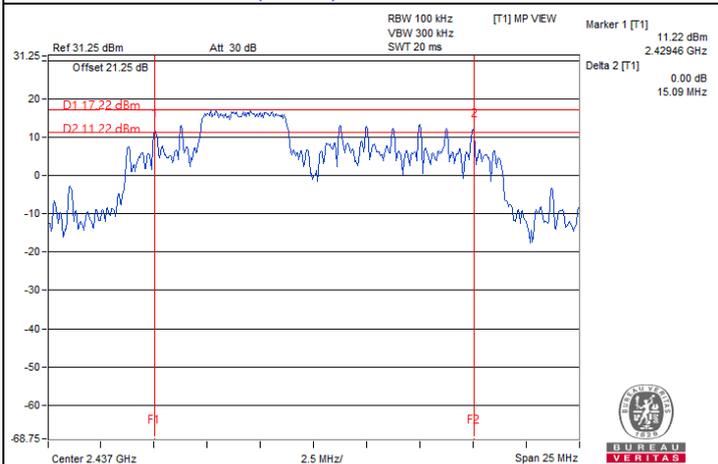
802.11g 1Tx / Chain 0 : CH 11



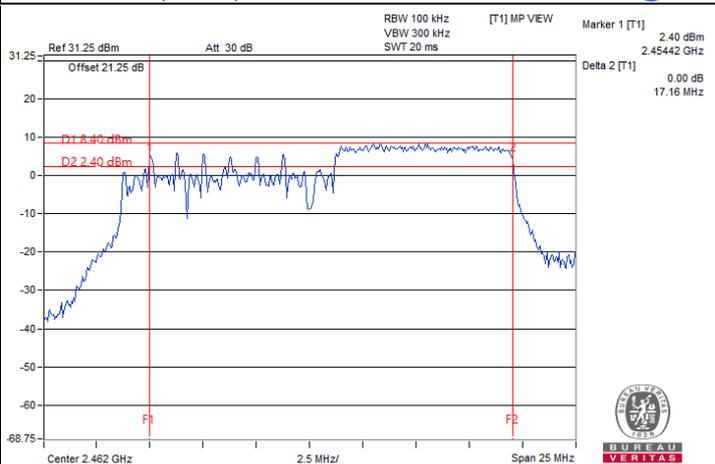
802.11ax (HE20) 1Tx / Chain 0 : CH 6



802.11ax (HE20) 26-tone RU 1Tx / Chain 0 : CH 1@0

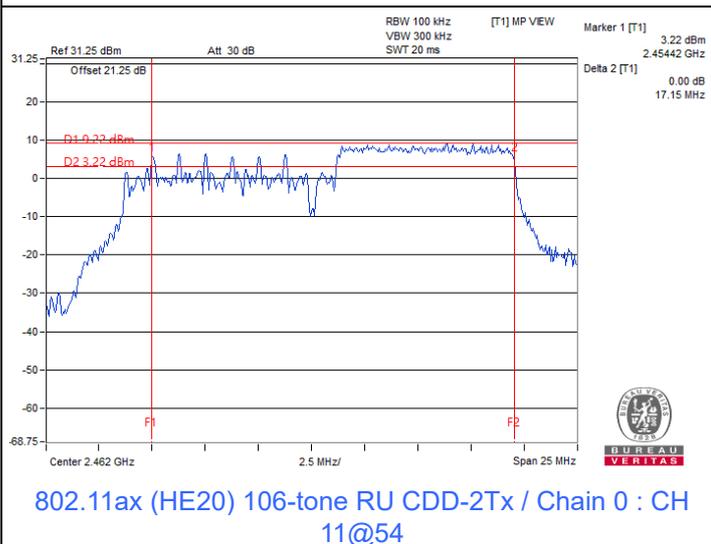
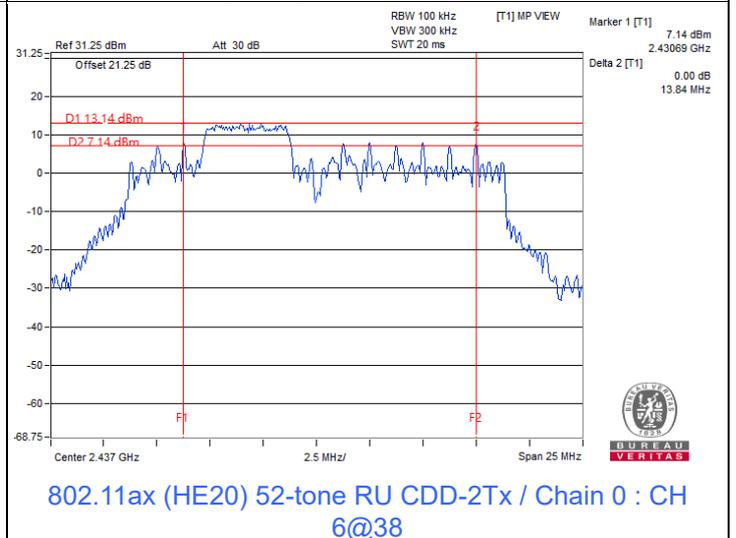
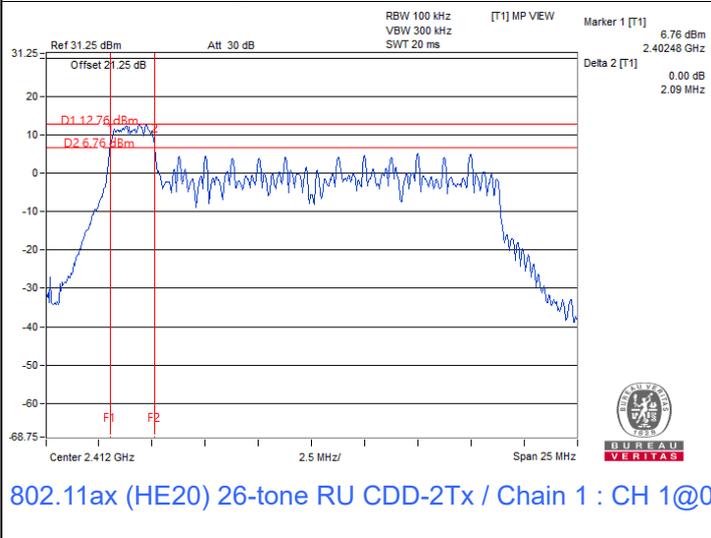
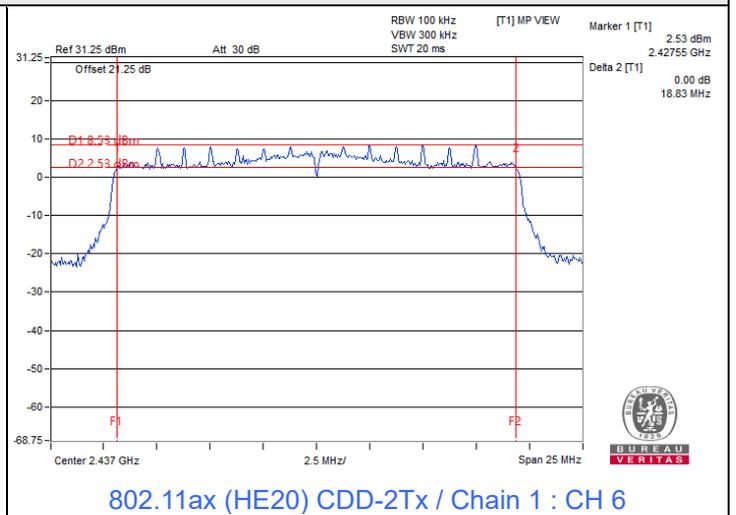
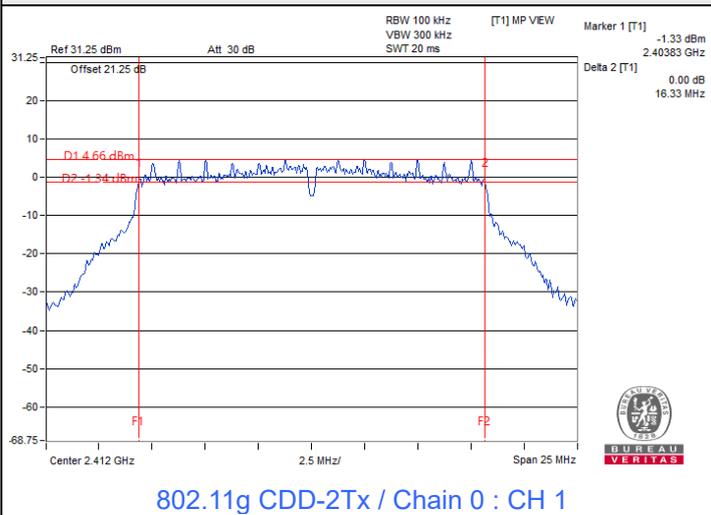


802.11ax (HE20) 52-tone RU 1Tx / Chain 0 : CH 6@38



802.11ax (HE20) 106-tone RU 1Tx / Chain 0 : CH 11@54

Spectrum Plot of Minimum Value

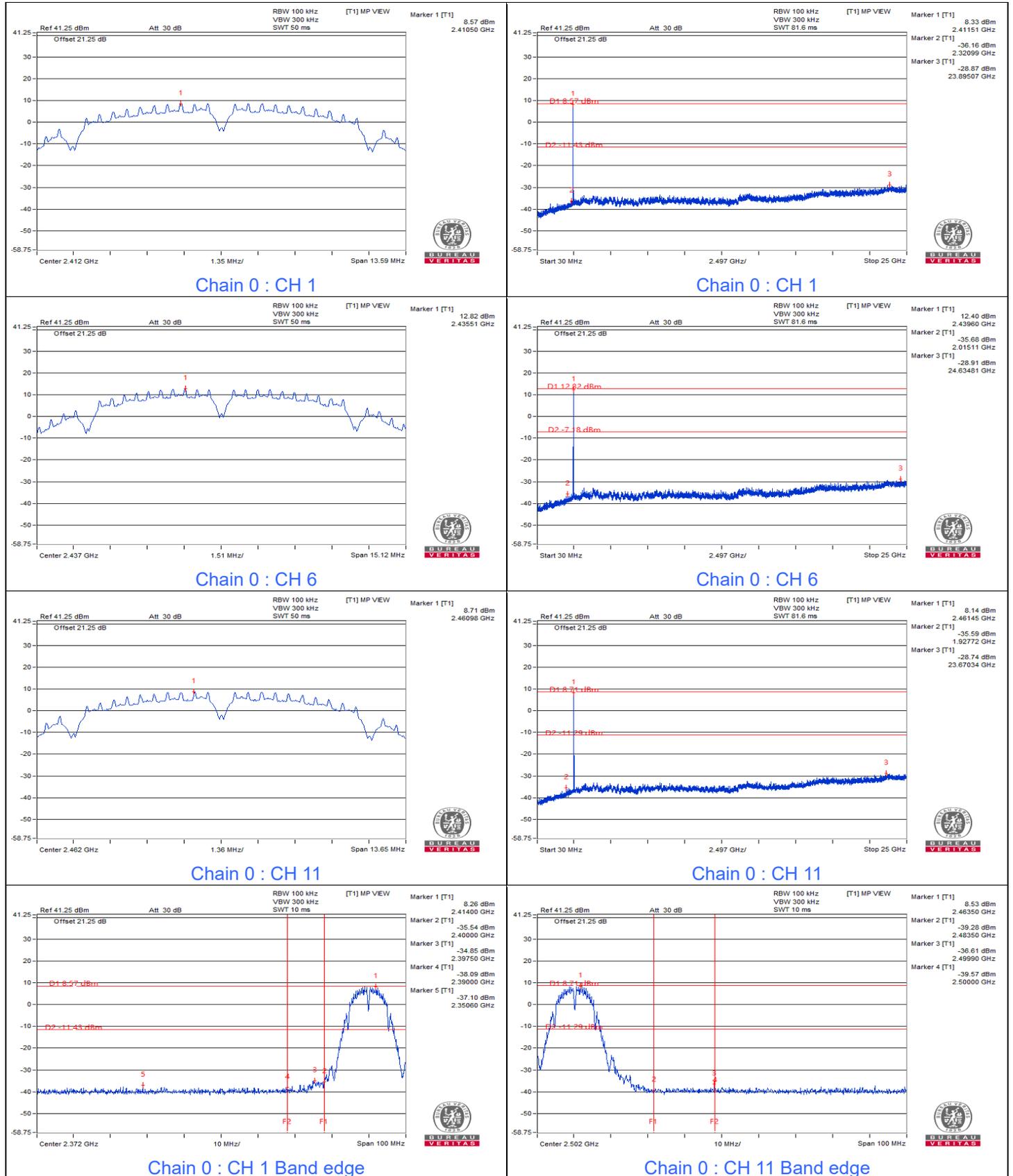




7.4 Conducted Out of Band Emissions

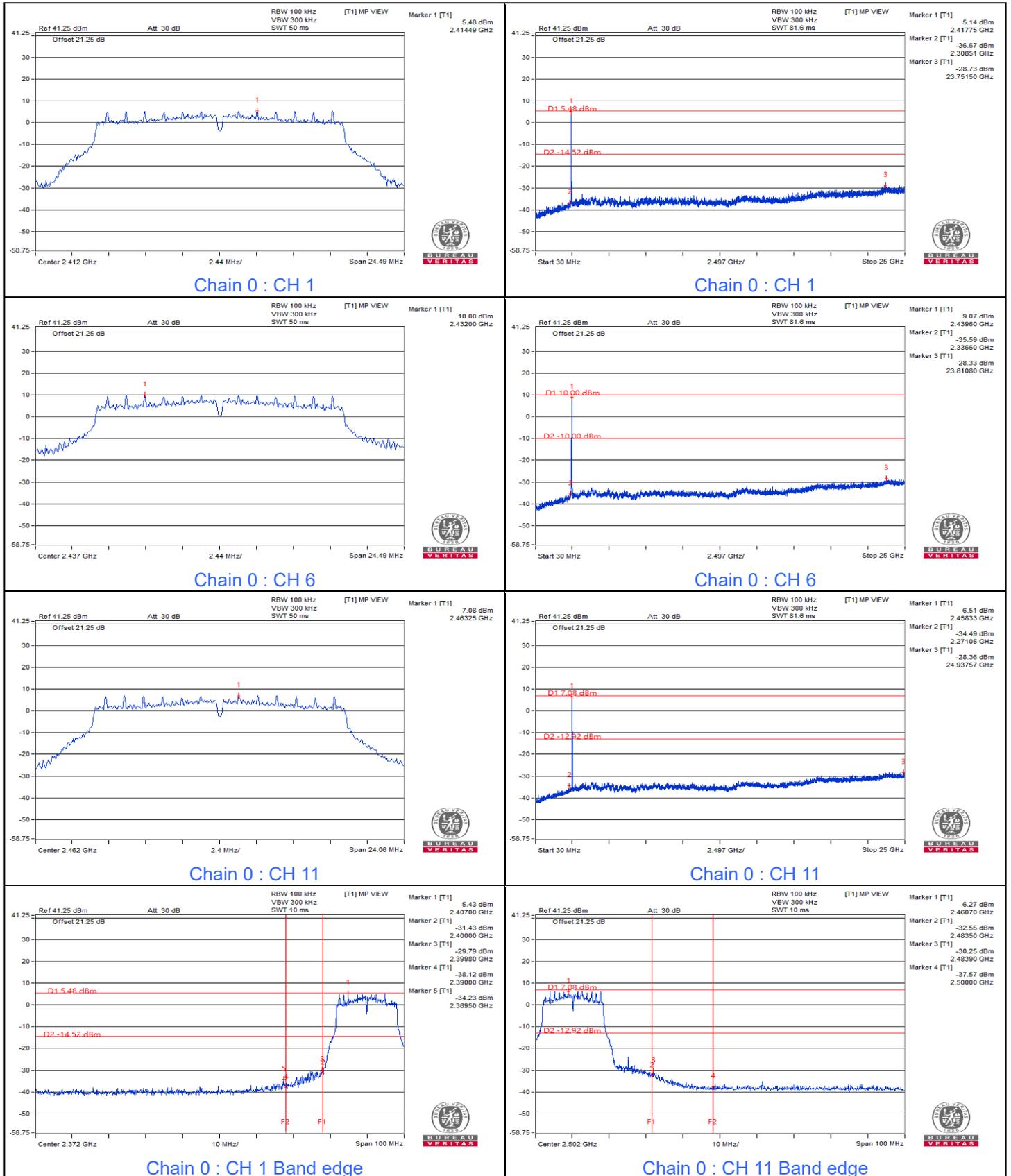
Input Power:	3.6 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Lin
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802.11b 1Tx





802.11g 1Tx



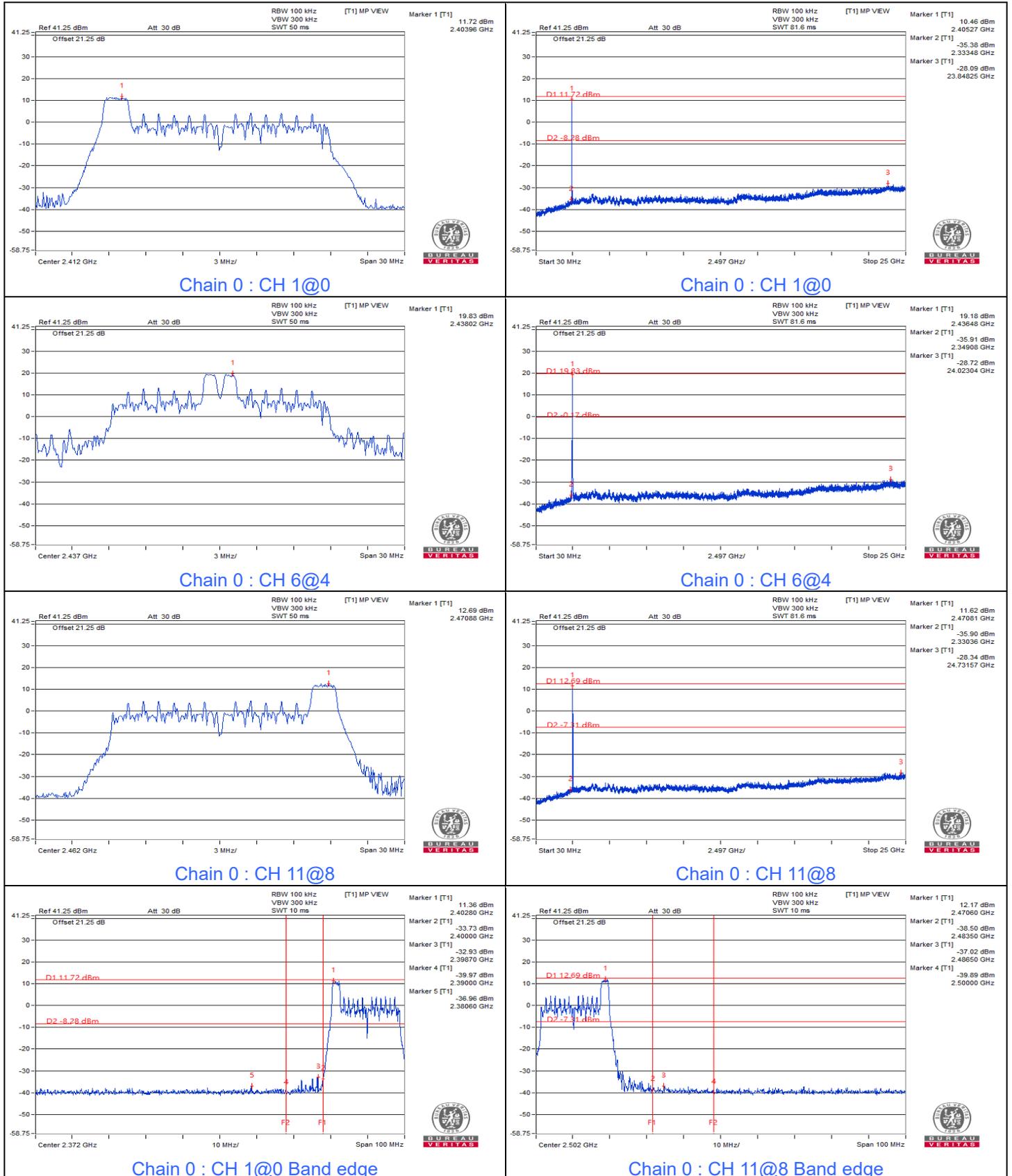


802.11ax (HE20) 1Tx



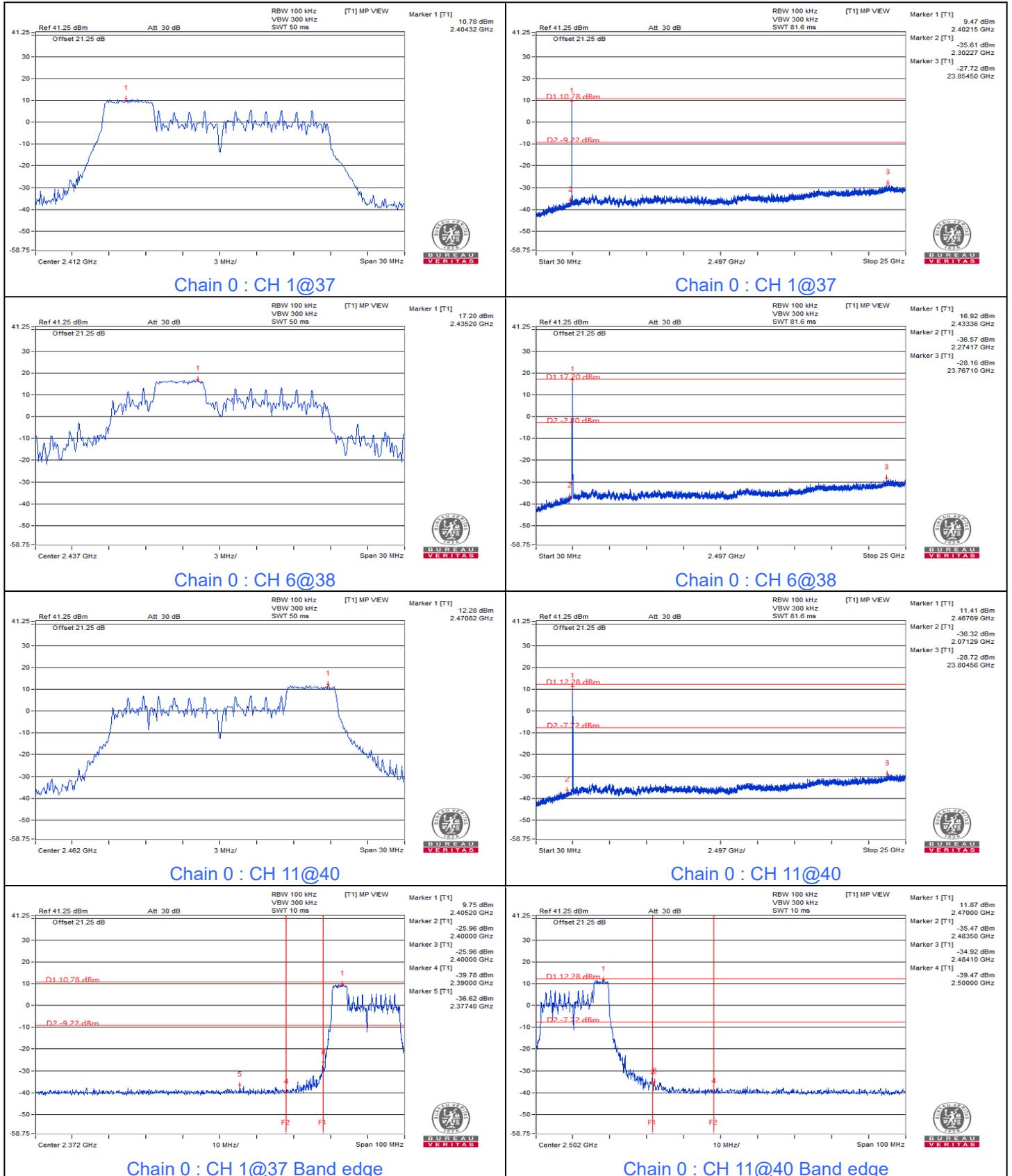


802.11ax (HE20) 26-tone RU 1Tx



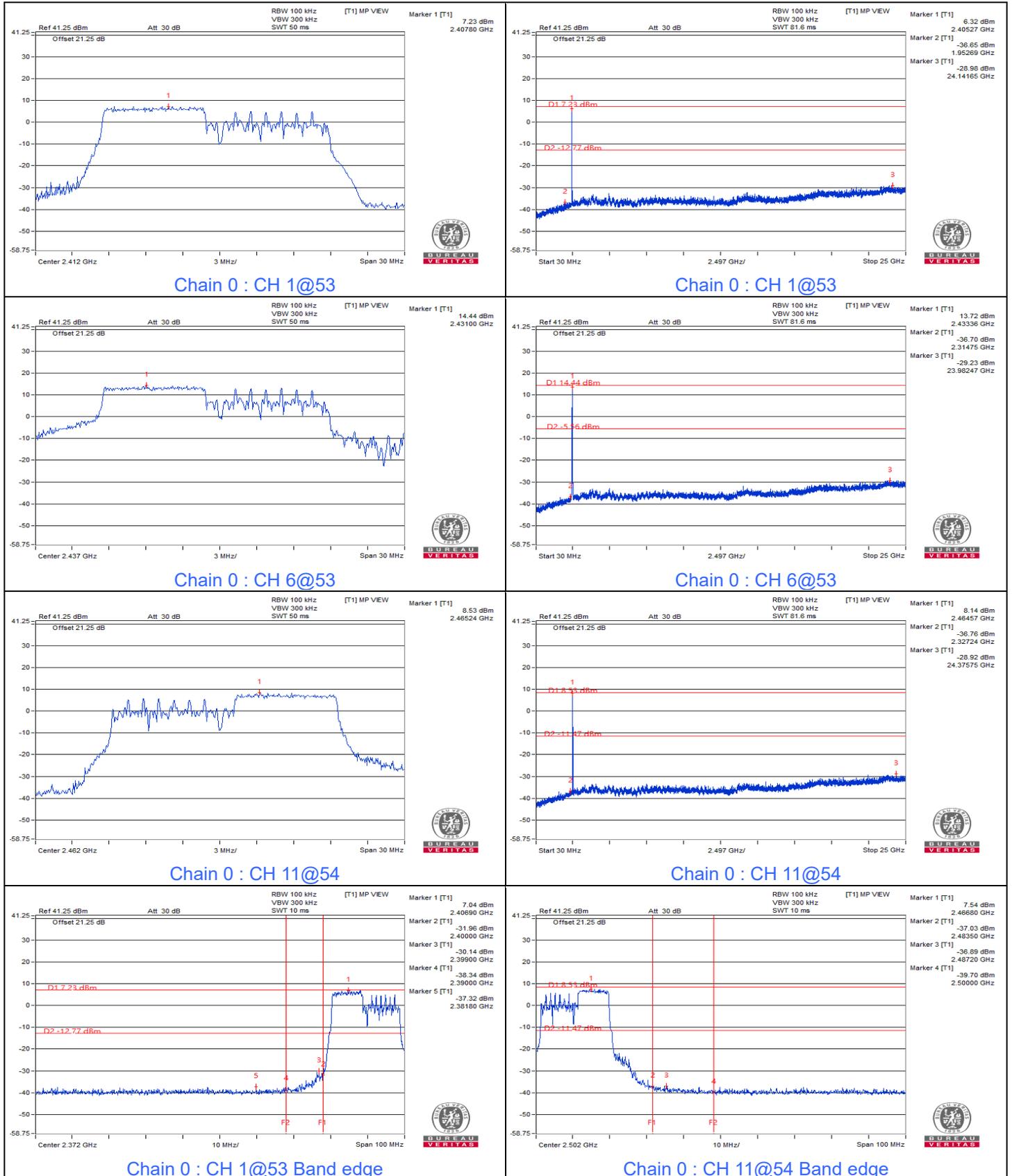


802.11ax (HE20) 52-tone RU 1Tx



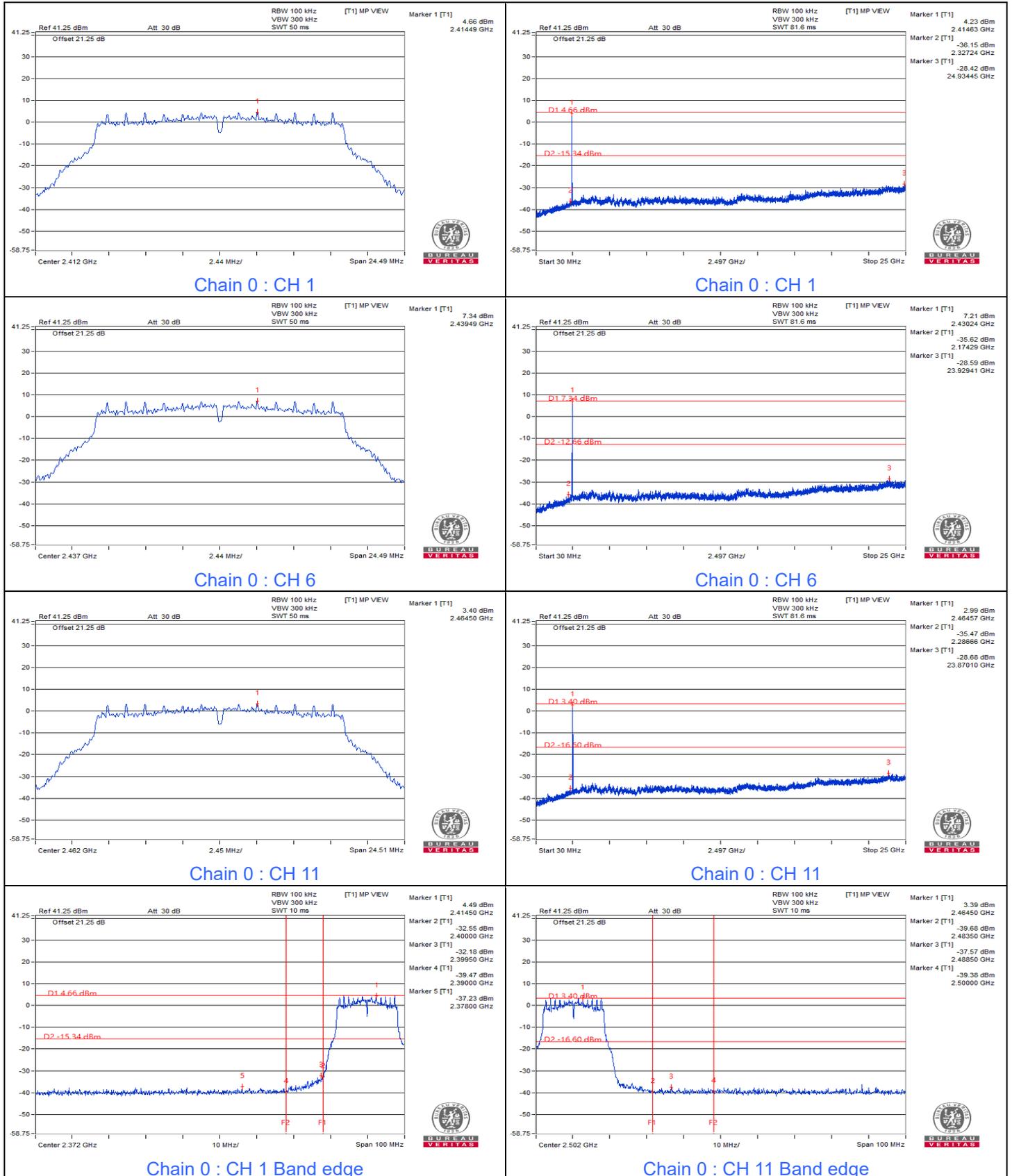


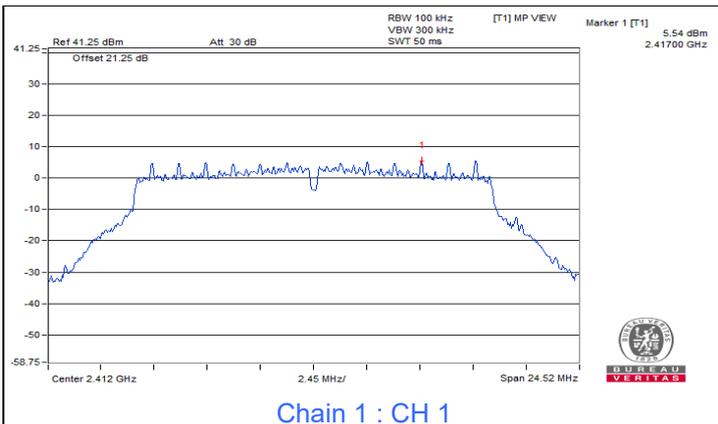
802.11ax (HE20) 106-tone RU 1Tx



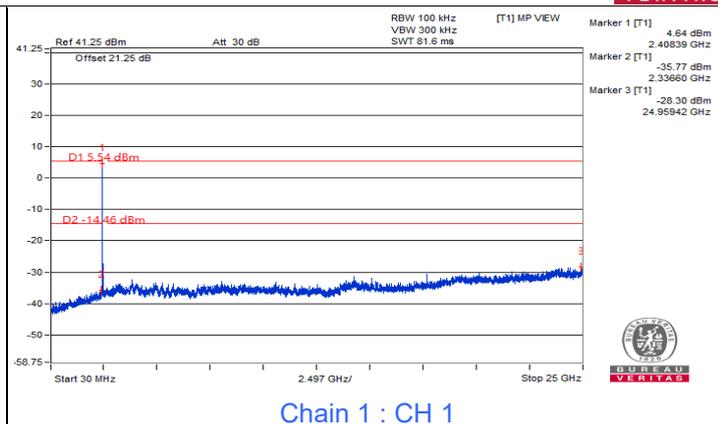


802.11g CDD-2Tx

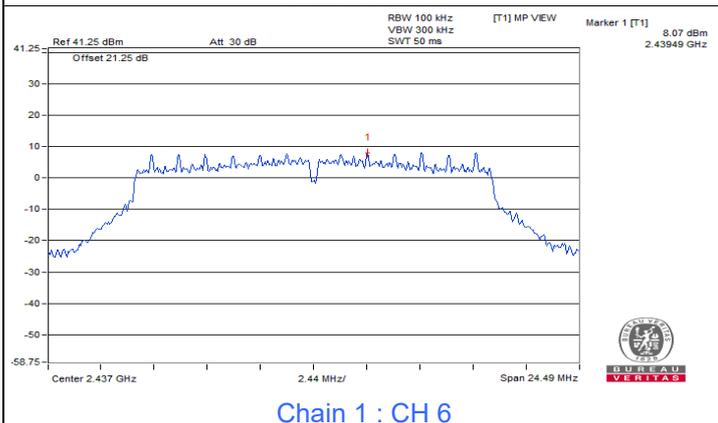




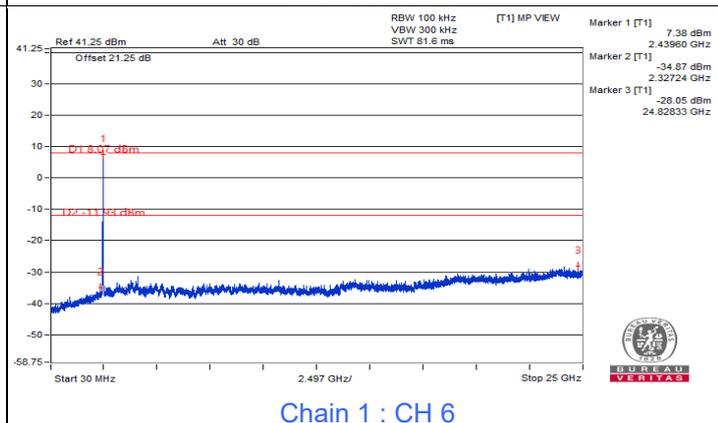
Chain 1 : CH 1



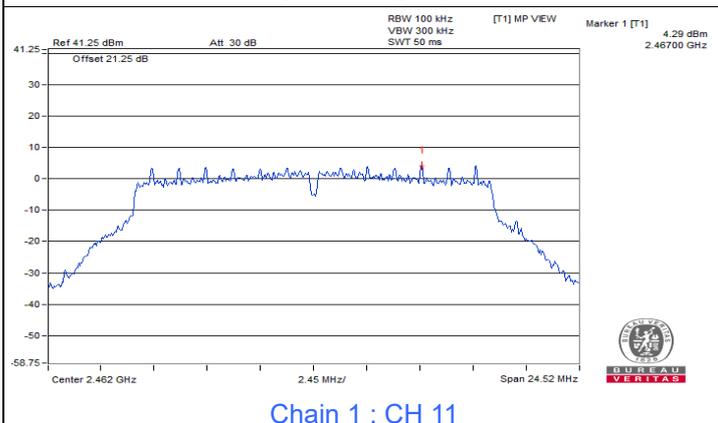
Chain 1 : CH 1



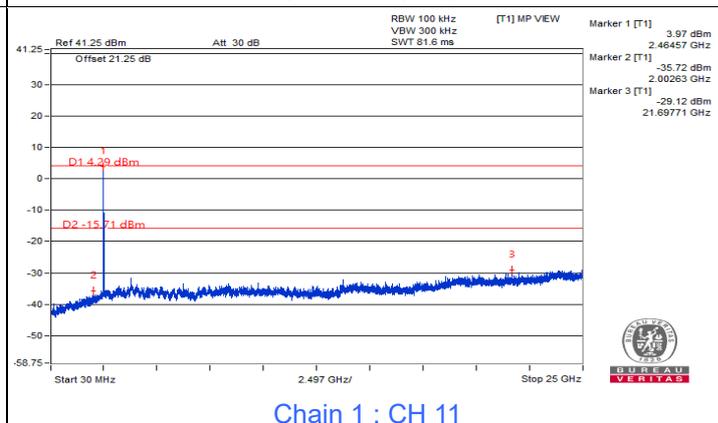
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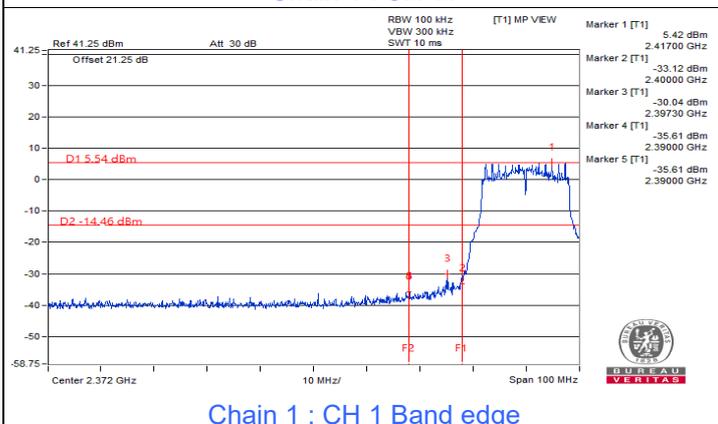
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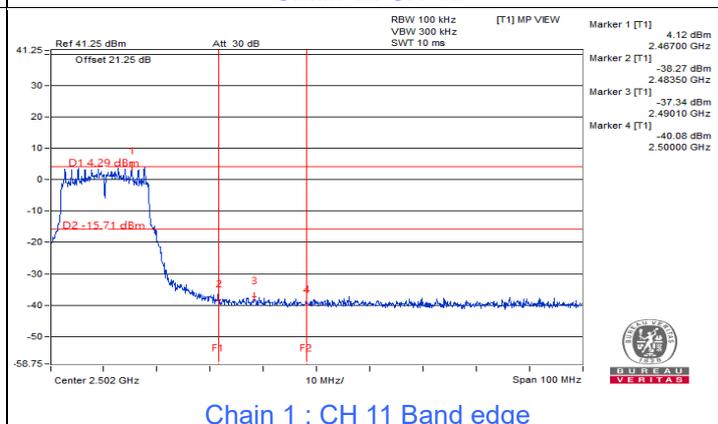
Chain 1 : CH 11



Chain 1 : CH 11



Chain 1 : CH 1 Band edge

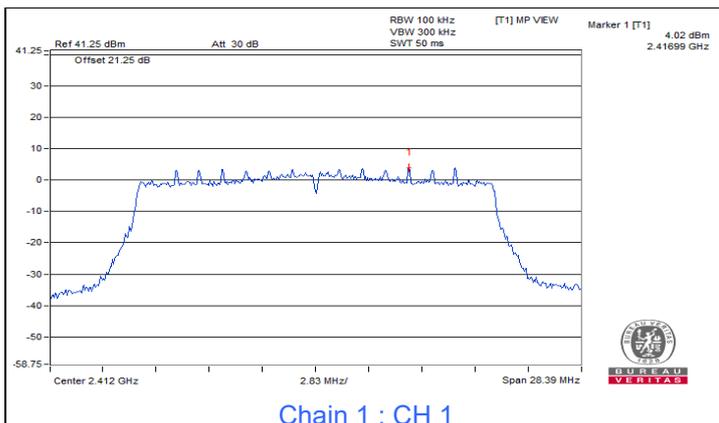


Chain 1 : CH 11 Band edge

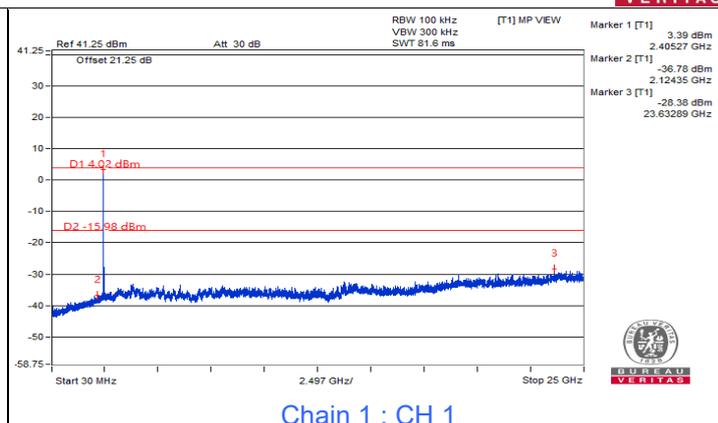


802.11ax (HE20) CDD-2Tx

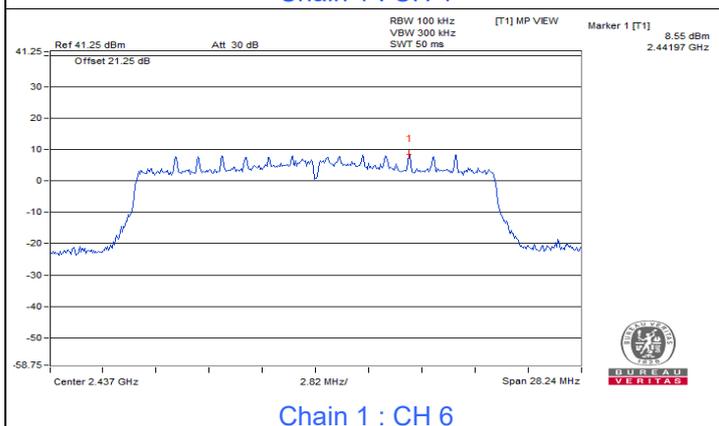




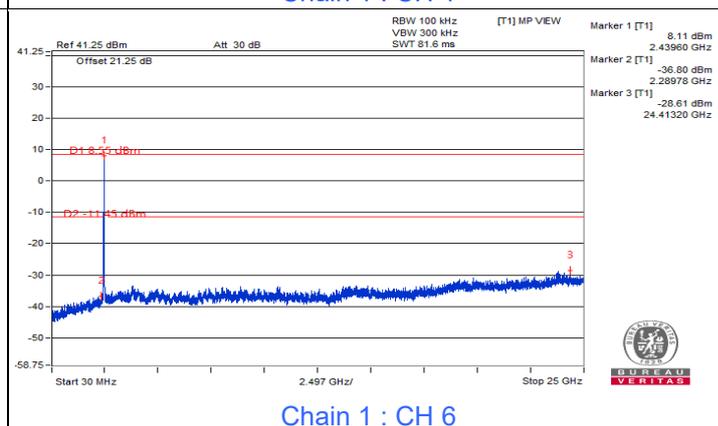
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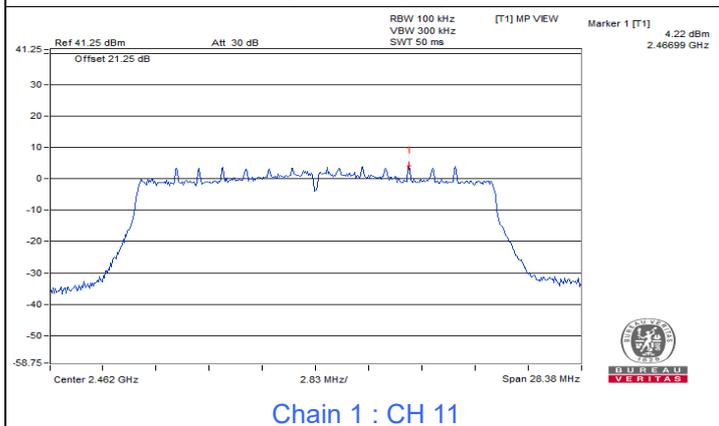
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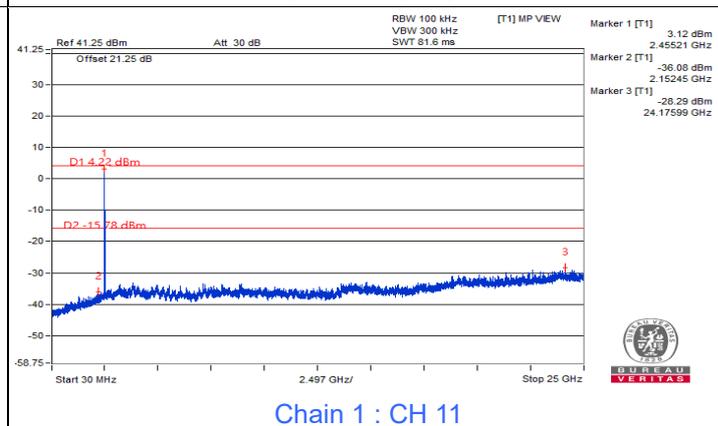
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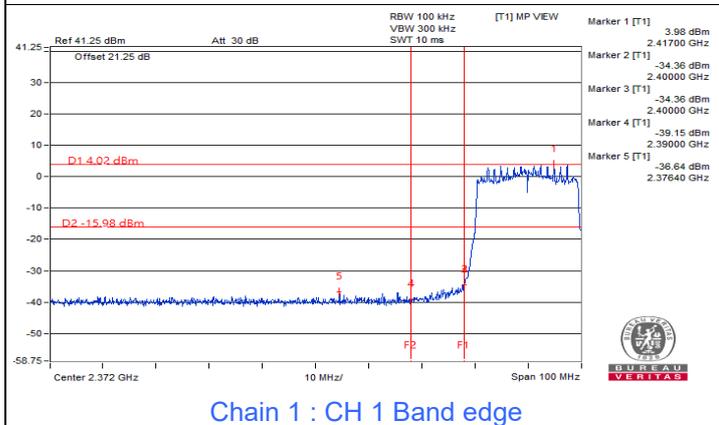
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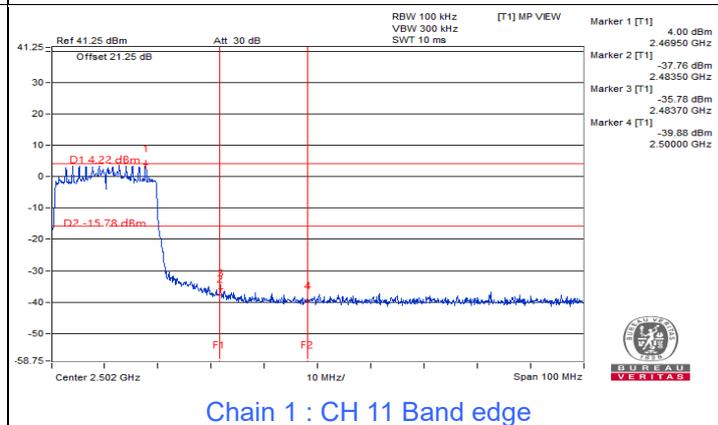
Chain 1 : CH 11



Chain 1 : CH 11



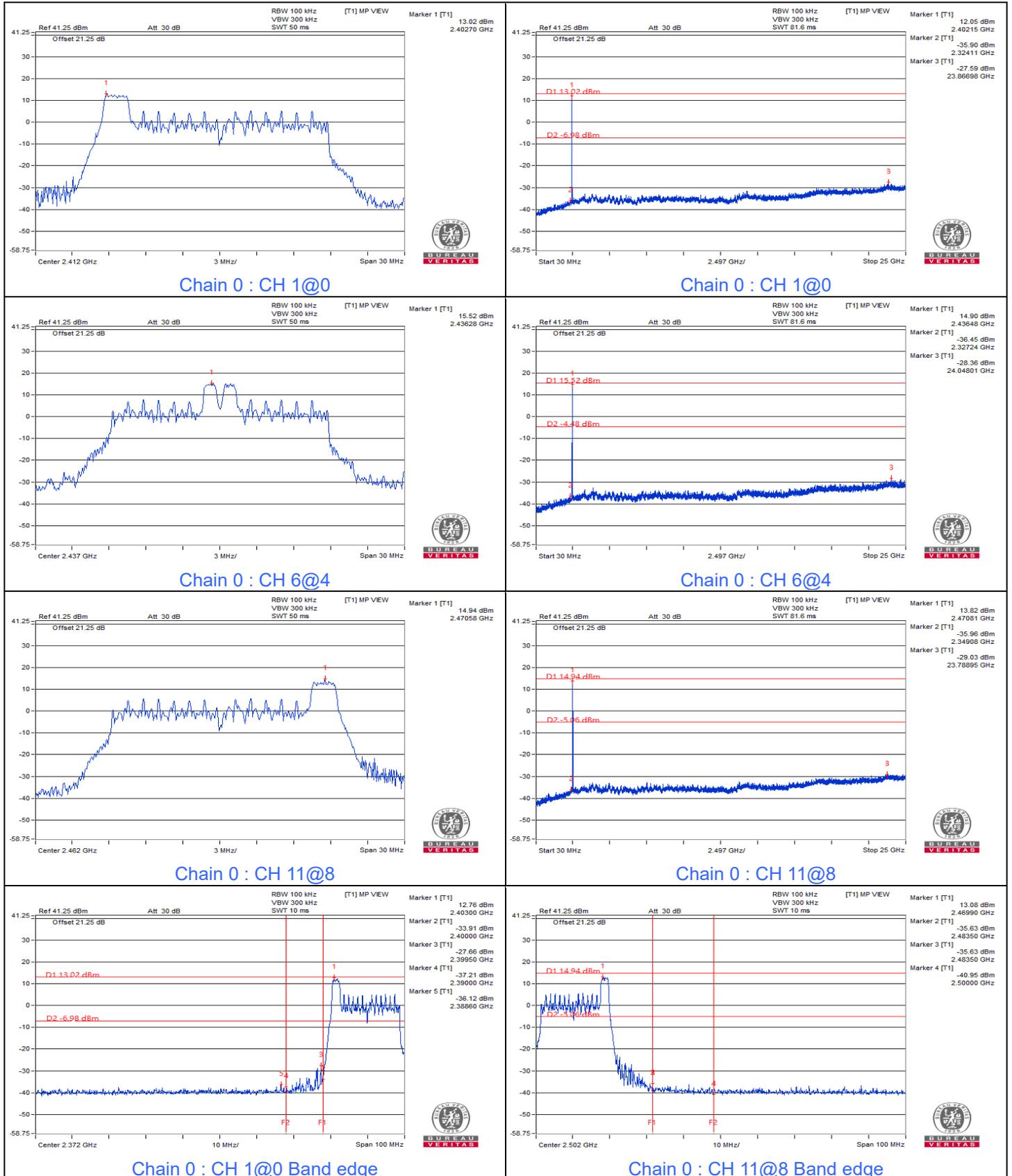
Chain 1 : CH 1 Band edge

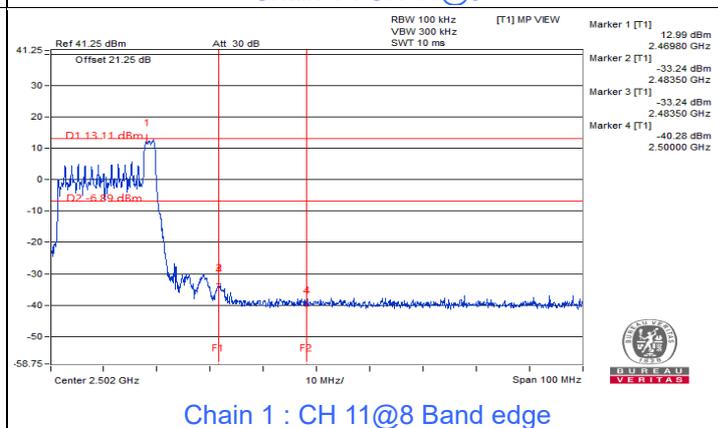
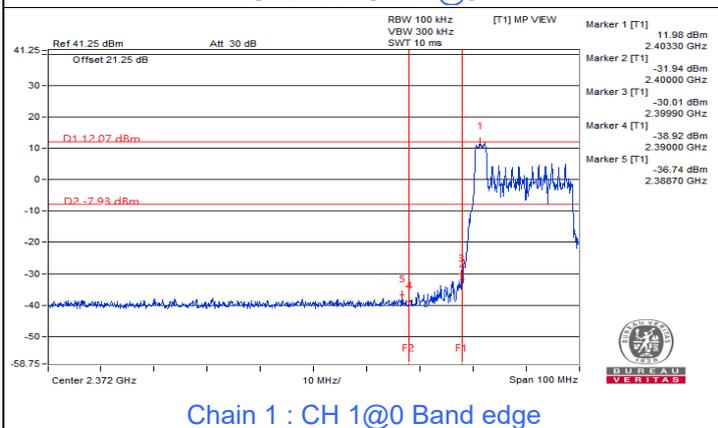
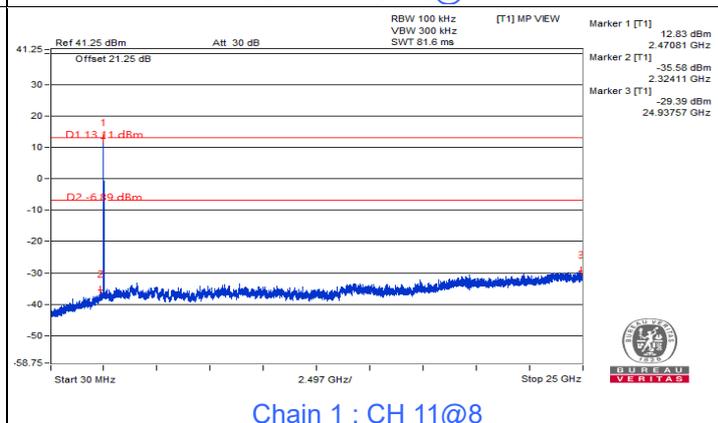
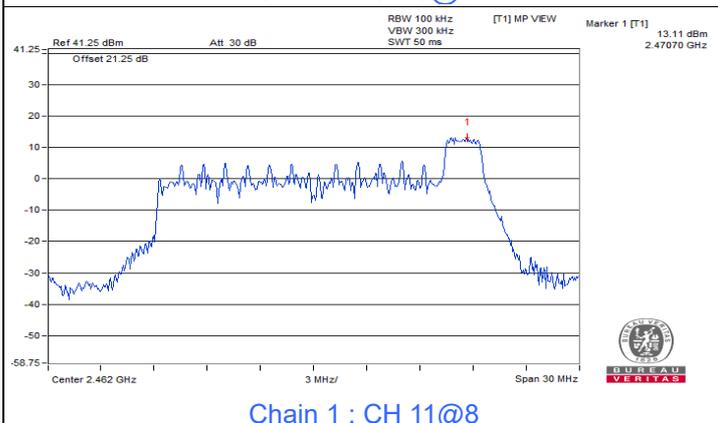
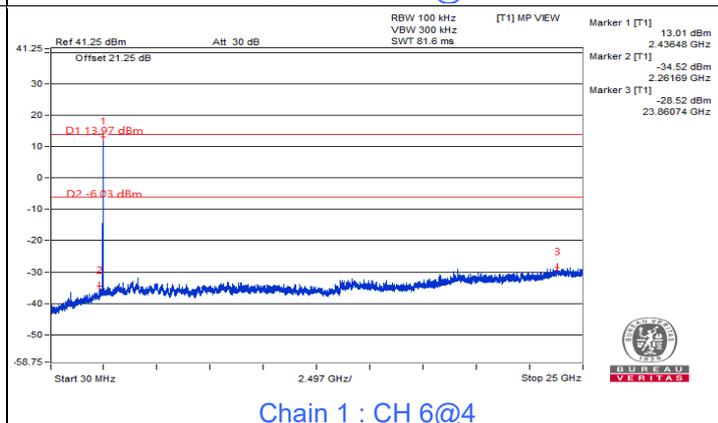
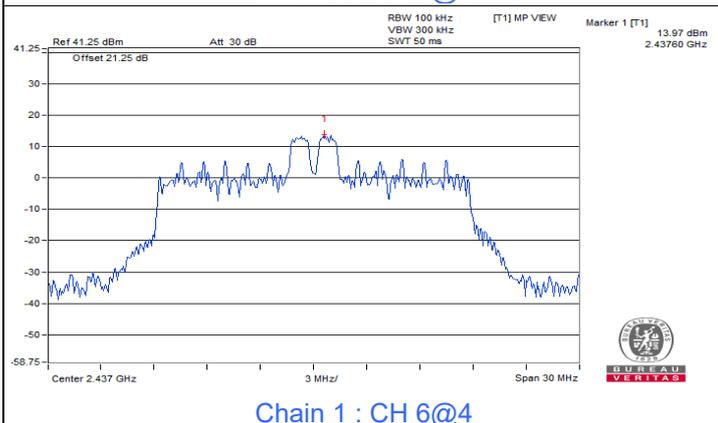
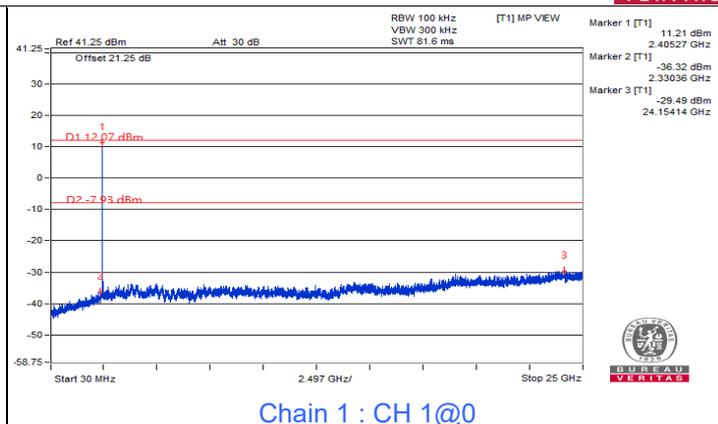
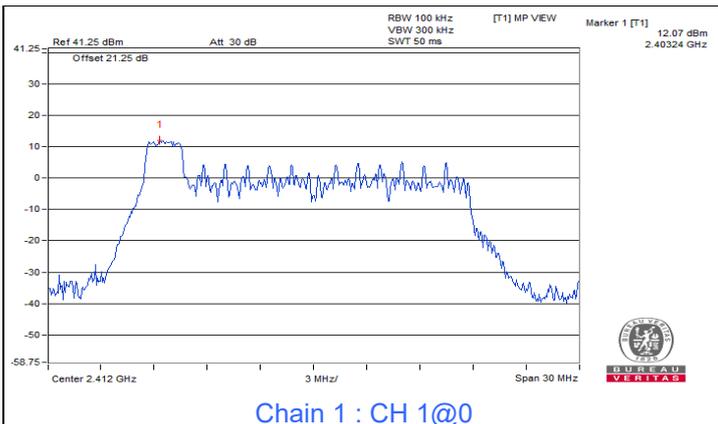


Chain 1 : CH 11 Band edge



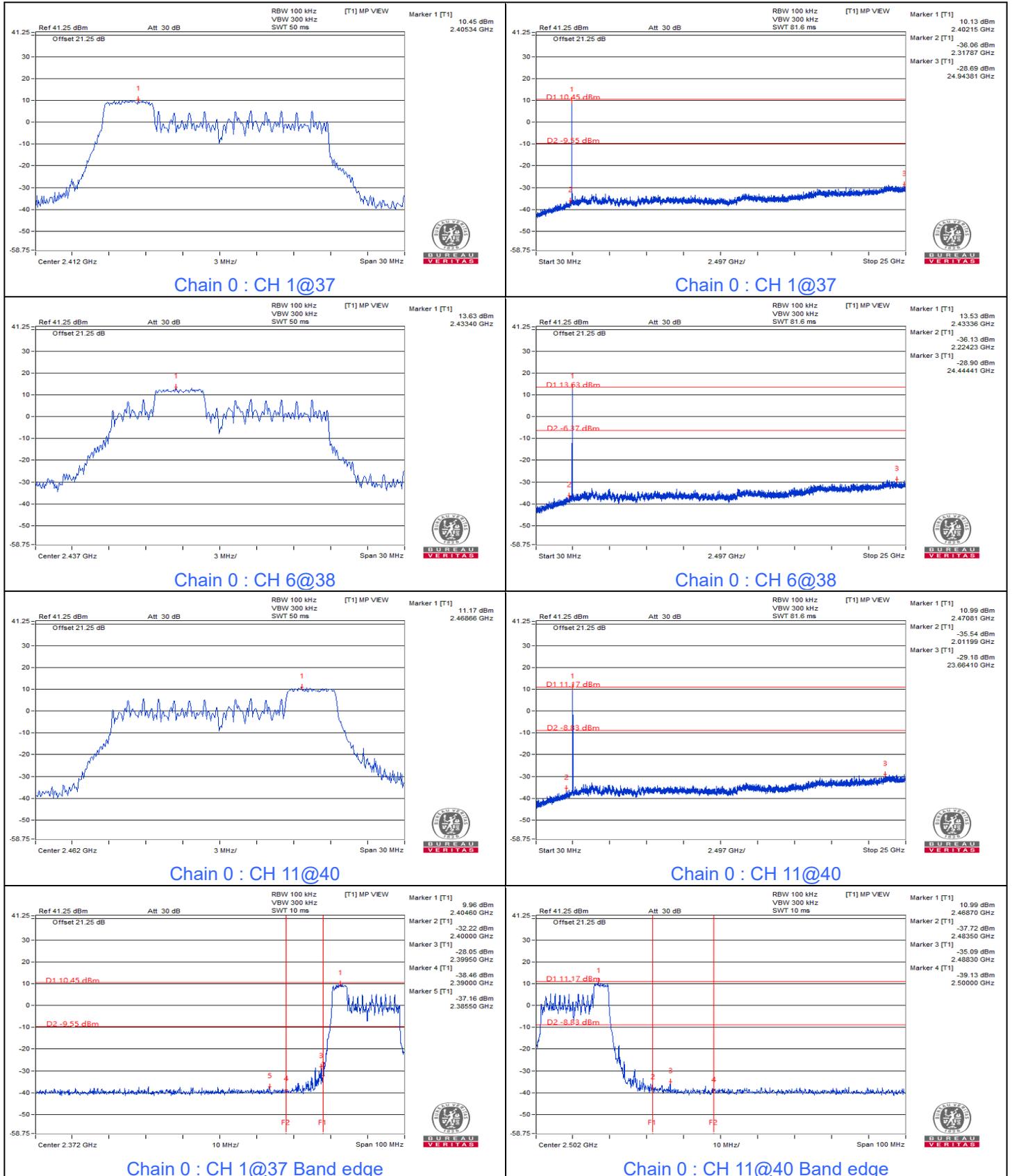
802.11ax (HE20) 26-tone RU CDD-2Tx

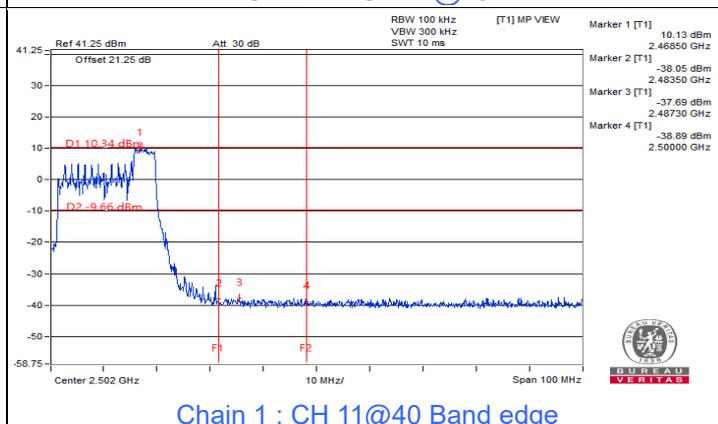
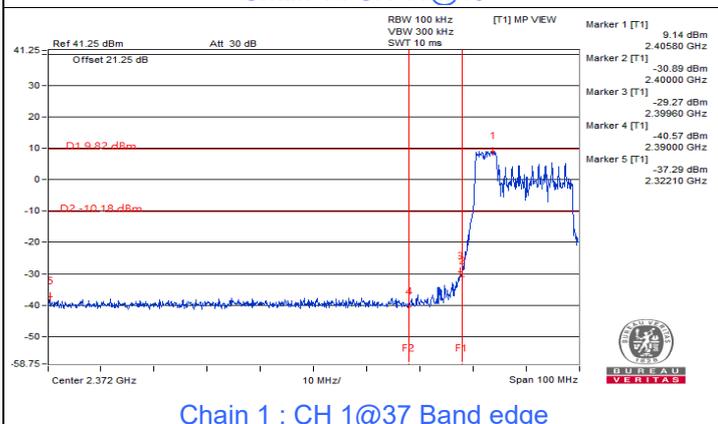
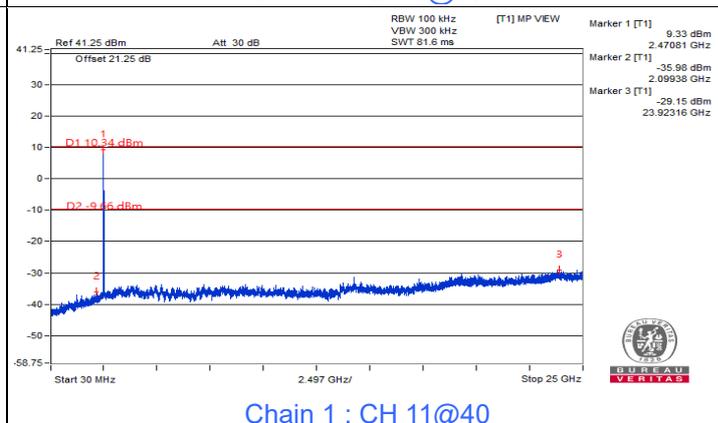
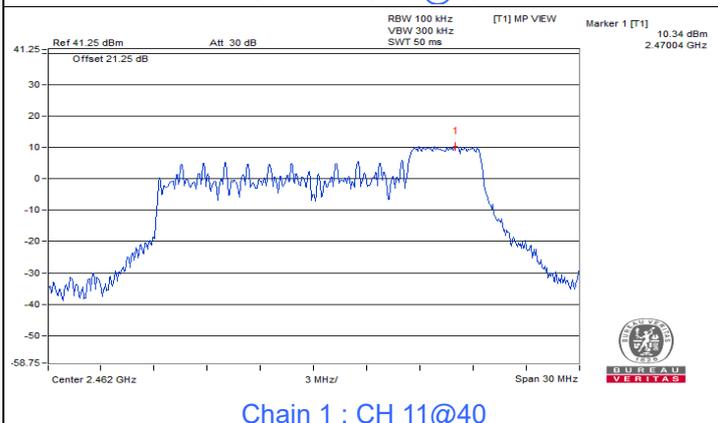
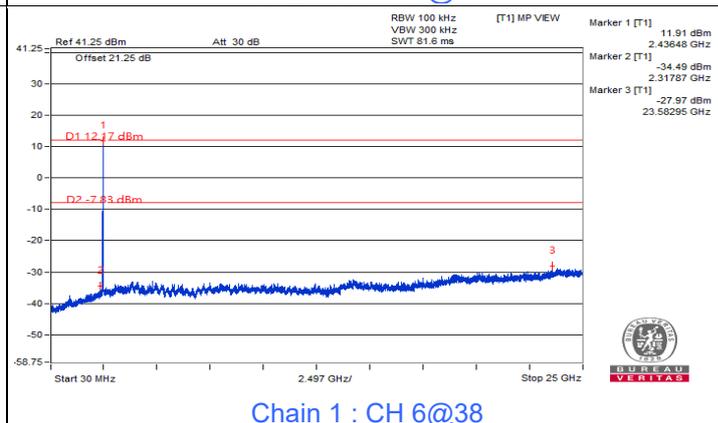
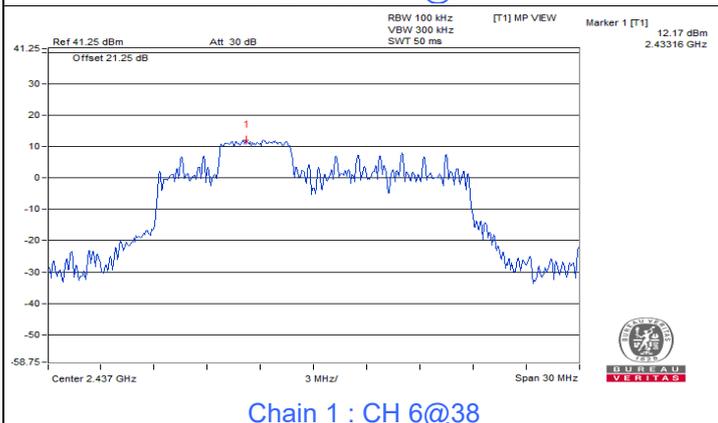
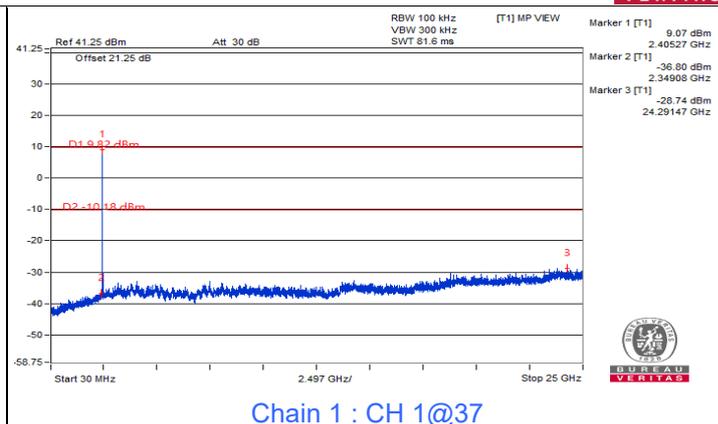
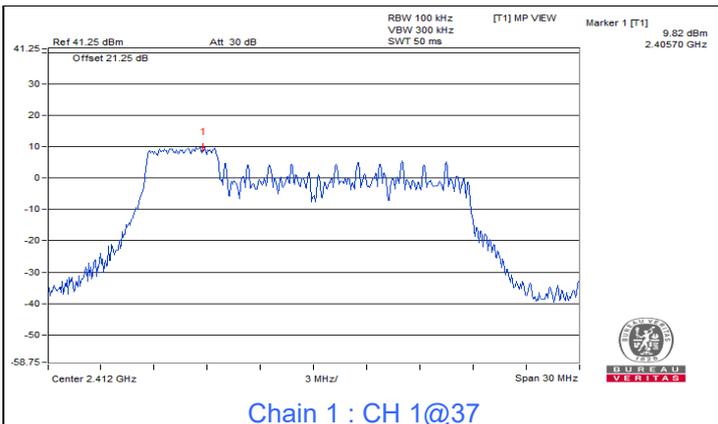






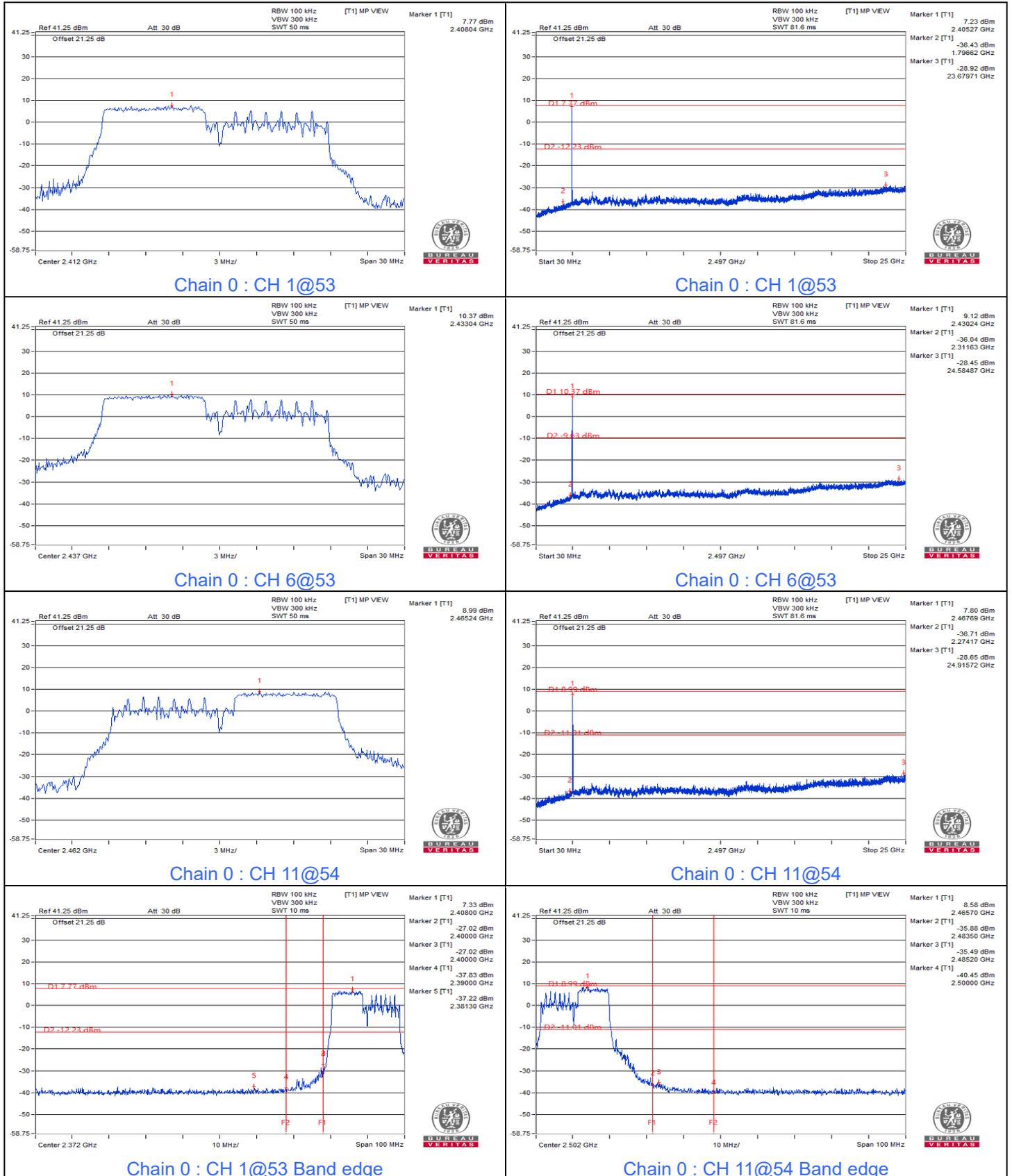
802.11ax (HE20) 52-tone RU CDD-2Tx

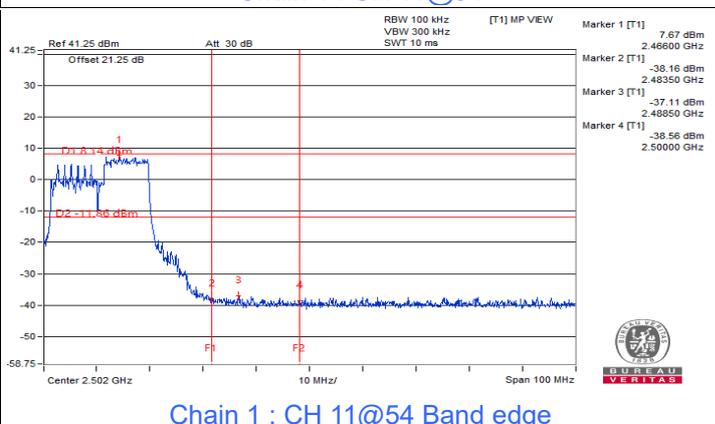
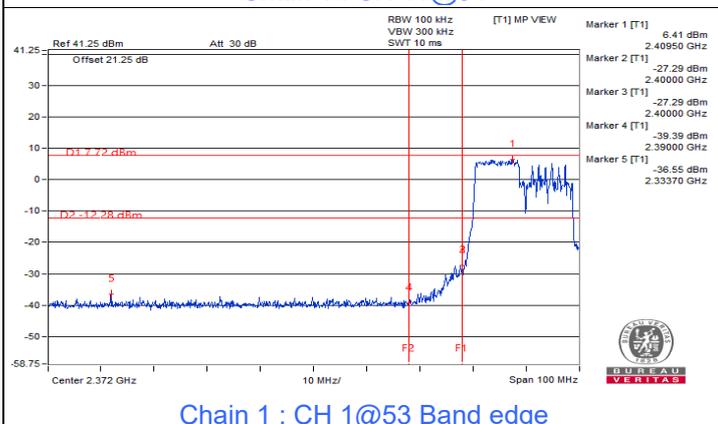
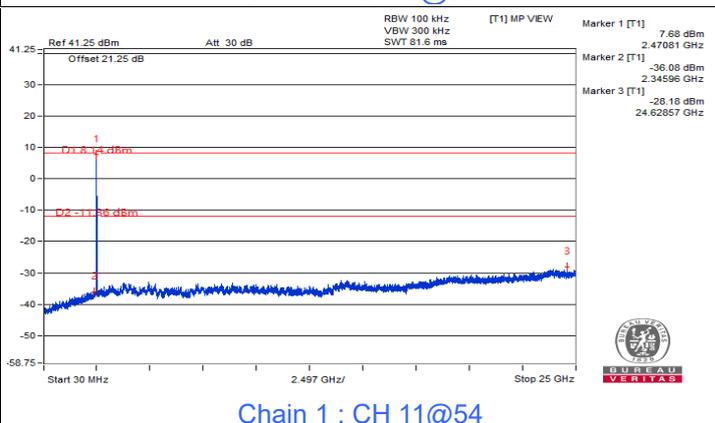
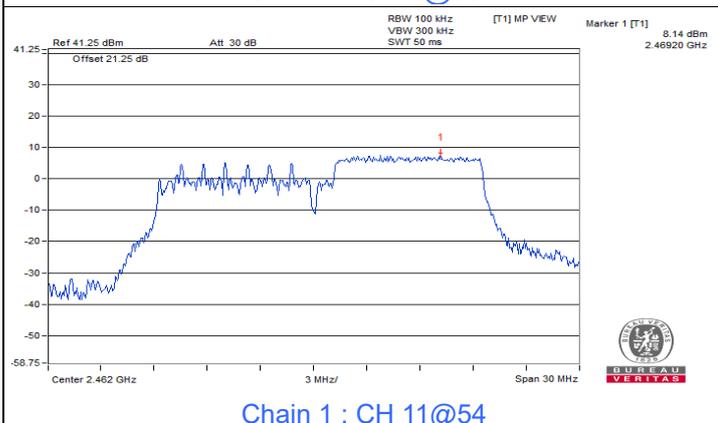
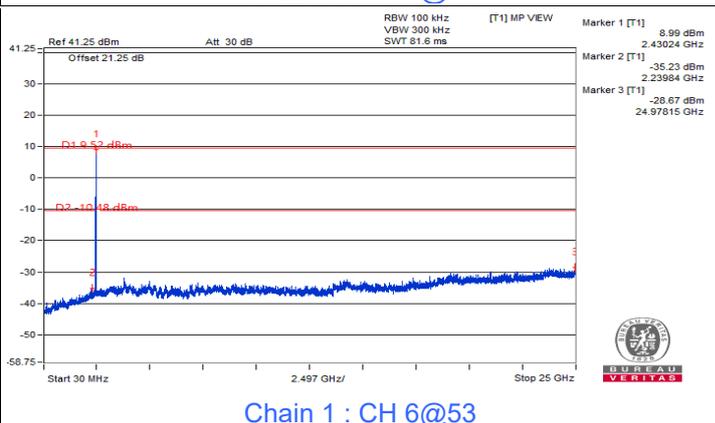
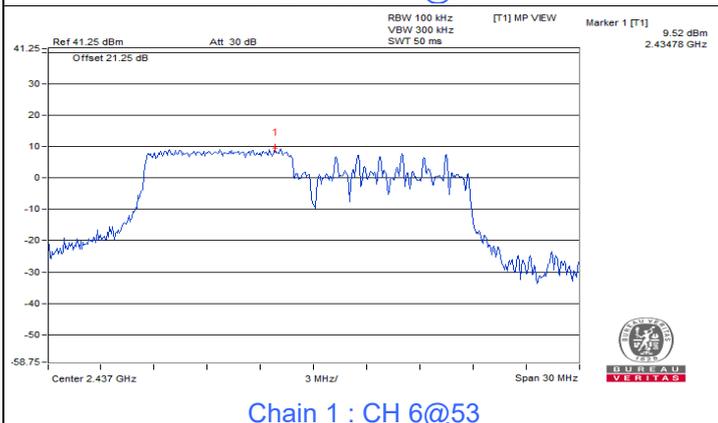
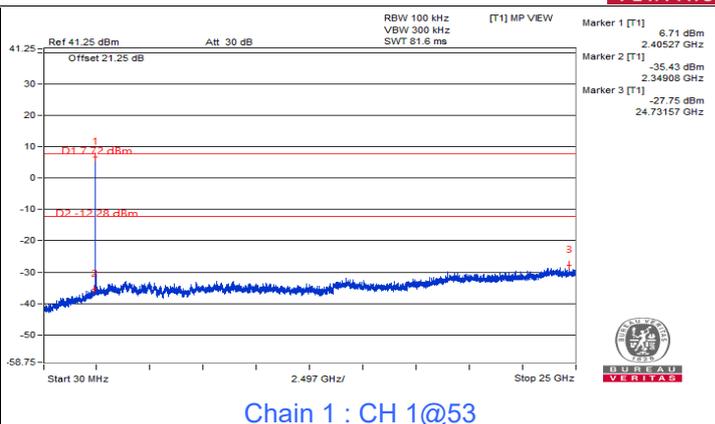
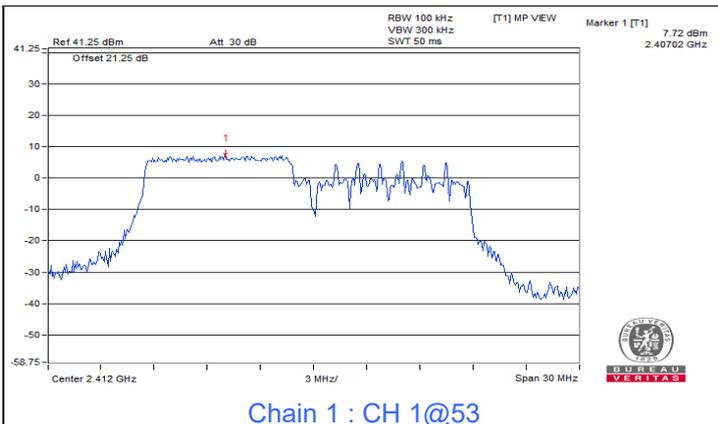






802.11ax (HE20) 106-tone RU CDD-2Tx





7.5 AC Power Conducted Emissions

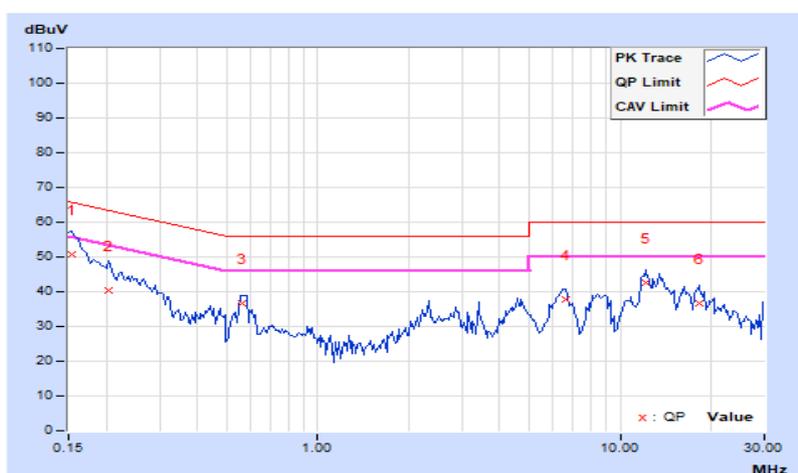
1Tx Chain0

RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	26°C, 67% RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.93	40.67	26.99	50.60	36.92	65.79	55.79	-15.19	-18.87
2	0.20469	9.93	30.40	18.14	40.33	28.07	63.42	53.42	-23.09	-25.35
3	0.56406	9.95	26.68	18.25	36.63	28.20	56.00	46.00	-19.37	-17.80
4	6.59766	10.26	27.67	19.20	37.93	29.46	60.00	50.00	-22.07	-20.54
5	12.14844	10.60	31.85	24.20	42.45	34.80	60.00	50.00	-17.55	-15.20
6	18.18750	11.02	25.71	20.47	36.73	31.49	60.00	50.00	-23.27	-18.51

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

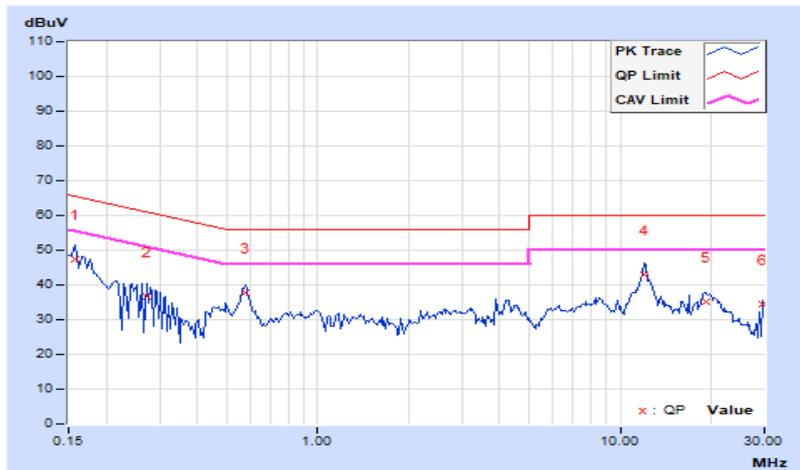


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	26°C, 67% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.99	37.44	19.36	47.43	29.35	65.58	55.58	-18.15	-26.23
2	0.27109	9.99	26.65	10.51	36.64	20.50	61.08	51.08	-24.44	-30.58
3	0.57578	10.01	27.83	20.31	37.84	30.32	56.00	46.00	-18.16	-15.68
4	12.02734	10.50	32.49	26.25	42.99	36.75	60.00	50.00	-17.01	-13.25
5	19.29297	10.85	24.44	19.74	35.29	30.59	60.00	50.00	-24.71	-19.41
6	29.79297	11.11	23.22	22.52	34.33	33.63	60.00	50.00	-25.67	-16.37

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



2Tx

RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Willy Lin		

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	0.16172	9.94	39.03	24.64	48.97	34.58	65.38	55.38	-16.41	-20.80
2	0.52500	9.96	21.66	10.46	31.62	20.42	56.00	46.00	-24.38	-25.58
3	2.22656	10.03	22.87	11.33	32.90	21.36	56.00	46.00	-23.10	-24.64
4	4.59766	10.18	25.01	18.39	35.19	28.57	56.00	46.00	-20.81	-17.43
5	6.60938	10.28	27.52	20.92	37.80	31.20	60.00	50.00	-22.20	-18.80
6	12.32031	10.58	28.58	22.39	39.16	32.97	60.00	50.00	-20.84	-17.03

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 (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Willy Lin		

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	0.15781	9.99	41.01	25.79	51.00	35.78	65.58	55.58	-14.58	-19.80
2	0.16953	9.99	37.29	22.70	47.28	32.69	64.98	54.98	-17.70	-22.29
3	0.26328	9.99	31.58	19.52	41.57	29.51	61.33	51.33	-19.76	-21.82
4	0.46250	10.00	28.35	16.03	38.35	26.03	56.65	46.65	-18.30	-20.62
5	7.85547	10.35	29.37	23.30	39.72	33.65	60.00	50.00	-20.28	-16.35
6	12.05469	10.51	35.50	28.98	46.01	39.49	60.00	50.00	-13.99	-10.51

Remarks:

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



7.6 Unwanted Emissions below 1 GHz

1Tx Chain0

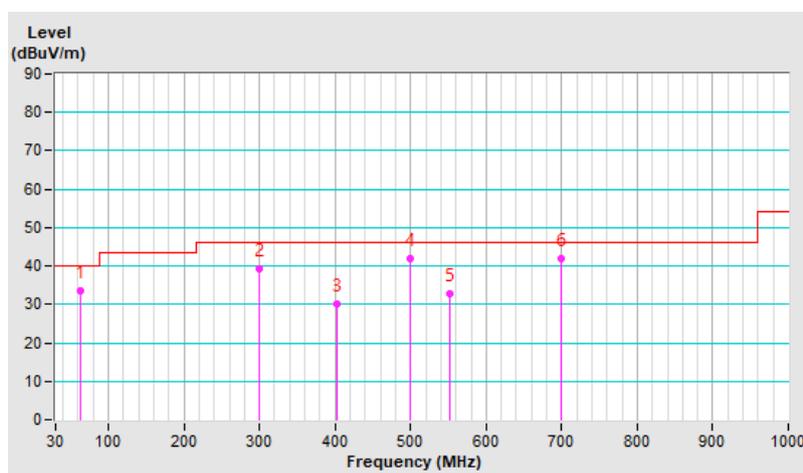
RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 73% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	62.01	33.7 QP	40.0	-6.3	3.00 H	54	47.5	-13.8
2	300.00	39.2 QP	46.0	-6.8	1.00 H	357	50.8	-11.6
3	402.84	30.1 QP	46.0	-15.9	1.00 H	126	39.4	-9.3
4	500.01	41.8 QP	46.0	-4.2	2.00 H	334	48.5	-6.7
5	552.01	32.7 QP	46.0	-13.3	2.00 H	360	38.5	-5.8
6	700.03	41.8 QP	46.0	-4.2	1.00 H	296	44.6	-2.8

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.

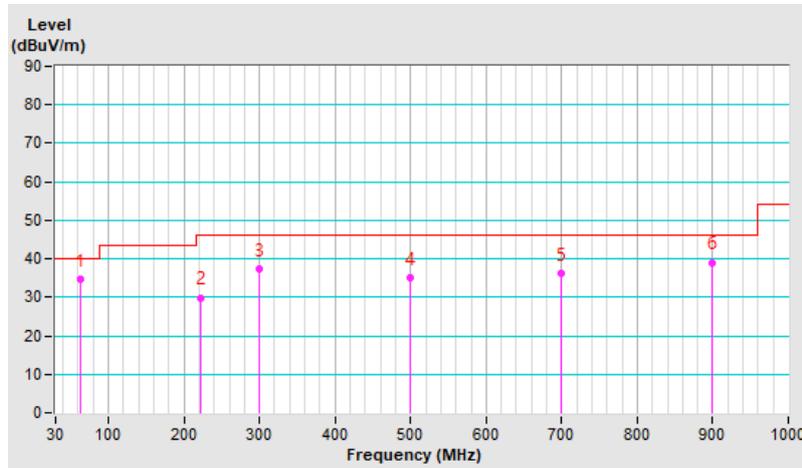


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 73% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	62.01	34.8 QP	40.0	-5.2	1.00 V	103	48.6	-13.8
2	221.19	29.9 QP	46.0	-16.1	1.00 V	312	45.7	-15.8
3	300.02	37.3 QP	46.0	-8.7	1.50 V	259	48.9	-11.6
4	500.01	35.0 QP	46.0	-11.0	1.00 V	280	41.7	-6.7
5	700.03	36.2 QP	46.0	-9.8	1.50 V	321	39.0	-2.8
6	900.02	39.1 QP	46.0	-6.9	1.50 V	334	38.8	0.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



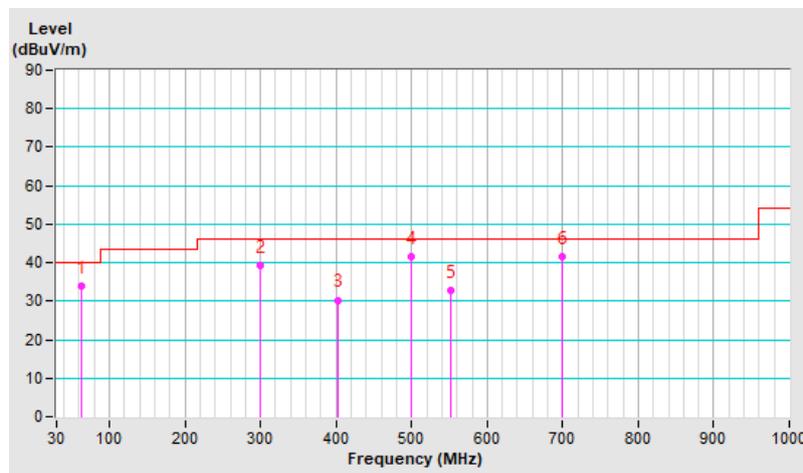
2Tx

RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 73% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	62.10	33.8 QP	40.0	-6.2	3.00 H	70	47.6	-13.8
2	300.00	39.3 QP	46.0	-6.7	1.00 H	360	50.9	-11.6
3	401.99	30.3 QP	46.0	-15.7	1.00 H	130	39.6	-9.3
4	500.01	41.5 QP	46.0	-4.5	2.00 H	350	48.2	-6.7
5	551.30	32.9 QP	46.0	-13.1	2.00 H	352	38.7	-5.8
6	699.98	41.5 QP	46.0	-4.5	1.00 H	285	44.4	-2.9

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.

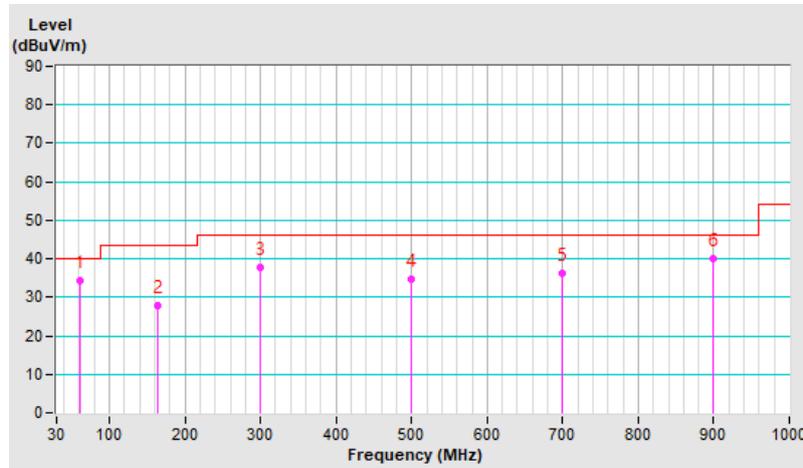


RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 73% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	61.99	34.2 QP	40.0	-5.8	1.00 V	128	48.0	-13.8
2	164.71	27.7 QP	43.5	-15.8	1.00 V	173	40.6	-12.9
3	300.02	37.6 QP	46.0	-8.4	1.50 V	249	49.2	-11.6
4	500.01	34.7 QP	46.0	-11.3	1.00 V	277	41.4	-6.7
5	700.00	36.3 QP	46.0	-9.7	1.50 V	324	39.2	-2.9
6	900.02	39.9 QP	46.0	-6.1	1.50 V	336	39.6	0.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.7 Unwanted Emissions above 1 GHz

1Tx Chain0

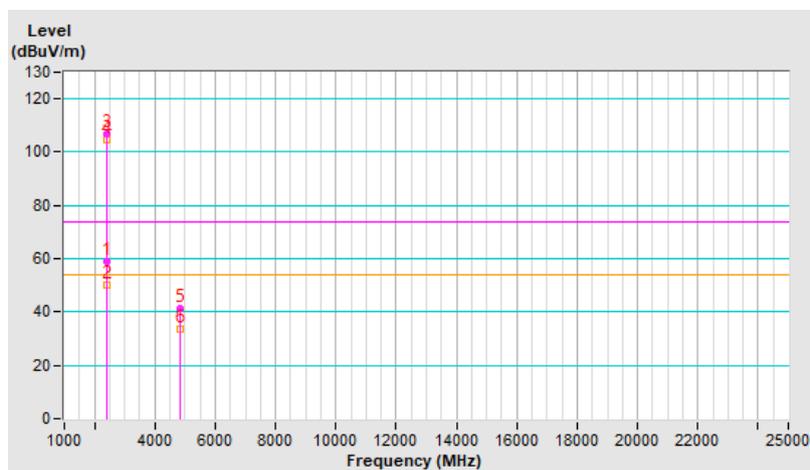
RF Mode	802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2387.00	59.1 PK	74.0	-14.9	1.48 H	22	61.3	-2.2
2	2387.00	49.9 AV	54.0	-4.1	1.48 H	22	52.1	-2.2
3	*2412.00	106.7 PK			1.48 H	22	109.0	-2.3
4	*2412.00	104.5 AV			1.48 H	22	106.8	-2.3
5	4824.00	41.5 PK	74.0	-32.5	1.21 H	32	39.5	2.0
6	4824.00	33.5 AV	54.0	-20.5	1.21 H	32	31.5	2.0

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, the limit was restricted at the RF Output Power.

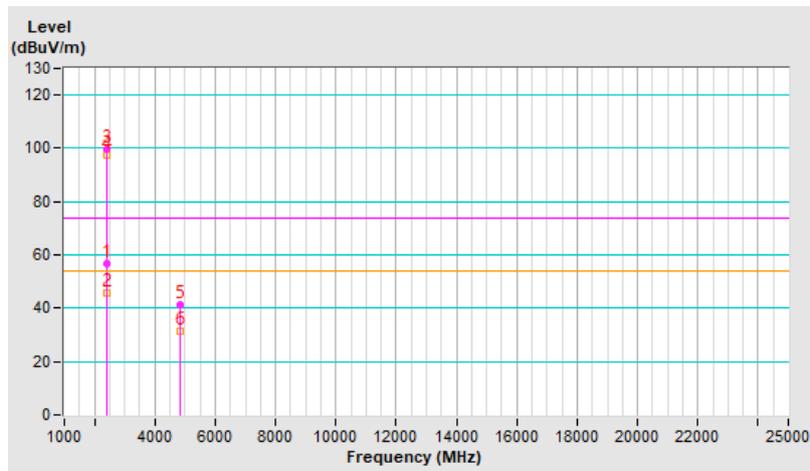


RF Mode	802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	56.8 PK	74.0	-17.2	1.20 V	24	59.0	-2.2
2	2390.00	45.7 AV	54.0	-8.3	1.20 V	24	47.9	-2.2
3	*2412.00	99.5 PK			1.20 V	24	101.8	-2.3
4	*2412.00	97.4 AV			1.20 V	24	99.7	-2.3
5	4824.00	41.1 PK	74.0	-32.9	1.46 V	356	39.1	2.0
6	4824.00	31.4 AV	54.0	-22.6	1.46 V	356	29.4	2.0

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, the limit was restricted at the RF Output Power.

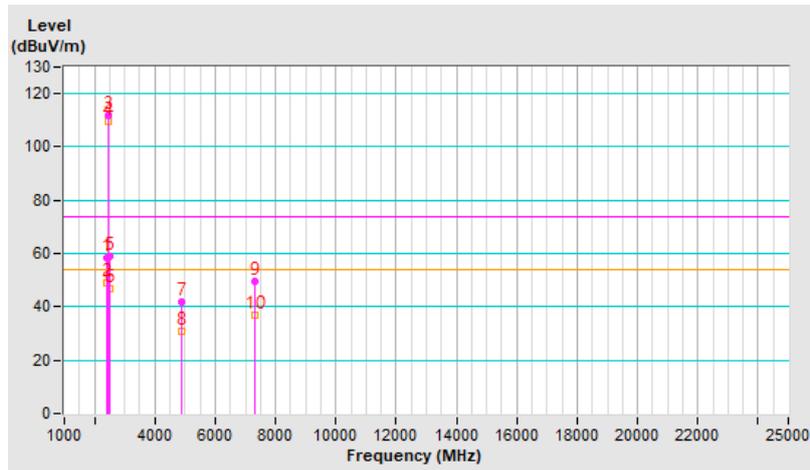


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	58.6 PK	74.0	-15.4	1.22 H	24	60.8	-2.2
2	2390.00	49.0 AV	54.0	-5.0	1.22 H	24	51.2	-2.2
3	*2437.00	111.7 PK			1.22 H	24	113.9	-2.2
4	*2437.00	109.5 AV			1.22 H	24	111.7	-2.2
5	2483.50	59.0 PK	74.0	-15.0	1.22 H	24	61.2	-2.2
6	2483.50	47.0 AV	54.0	-7.0	1.22 H	24	49.2	-2.2
7	4874.00	41.6 PK	74.0	-32.4	1.17 H	48	39.7	1.9
8	4874.00	31.0 AV	54.0	-23.0	1.17 H	48	29.1	1.9
9	7311.00	49.4 PK	74.0	-24.6	1.13 H	67	41.5	7.9
10	7311.00	37.0 AV	54.0	-17.0	1.13 H	67	29.1	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

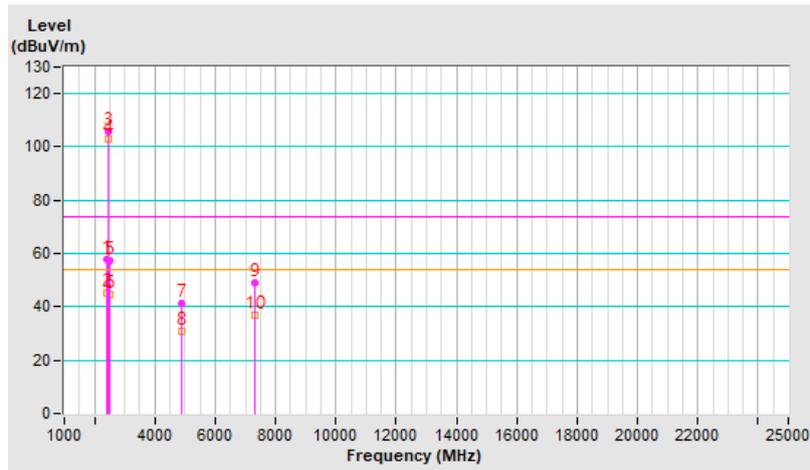


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.6 PK	74.0	-16.4	3.12 V	36	59.8	-2.2
2	2390.00	45.2 AV	54.0	-8.8	3.12 V	36	47.4	-2.2
3	*2437.00	105.7 PK			3.12 V	36	107.9	-2.2
4	*2437.00	103.1 AV			3.12 V	36	105.3	-2.2
5	2483.50	57.1 PK	74.0	-16.9	3.12 V	36	59.3	-2.2
6	2483.50	44.4 AV	54.0	-9.6	3.12 V	36	46.6	-2.2
7	4874.00	41.4 PK	74.0	-32.6	1.50 V	360	39.5	1.9
8	4874.00	30.7 AV	54.0	-23.3	1.50 V	360	28.8	1.9
9	7311.00	49.0 PK	74.0	-25.0	1.36 V	289	41.1	7.9
10	7311.00	36.8 AV	54.0	-17.2	1.36 V	289	28.9	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

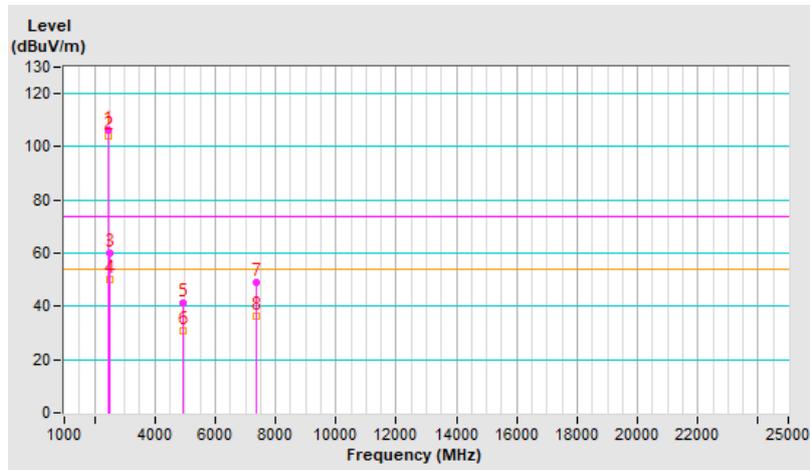


RF Mode	802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	106.3 PK			1.21 H	29	108.4	-2.1
2	*2462.00	103.9 AV			1.21 H	29	106.0	-2.1
3	2483.50	60.0 PK	74.0	-14.0	1.21 H	29	62.2	-2.2
4	2483.50	50.0 AV	54.0	-4.0	1.21 H	29	52.2	-2.2
5	4924.00	41.4 PK	74.0	-32.6	1.22 H	61	39.4	2.0
6	4924.00	30.7 AV	54.0	-23.3	1.22 H	61	28.7	2.0
7	7386.00	49.1 PK	74.0	-24.9	1.13 H	71	41.3	7.8
8	7386.00	36.5 AV	54.0	-17.5	1.13 H	71	28.7	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

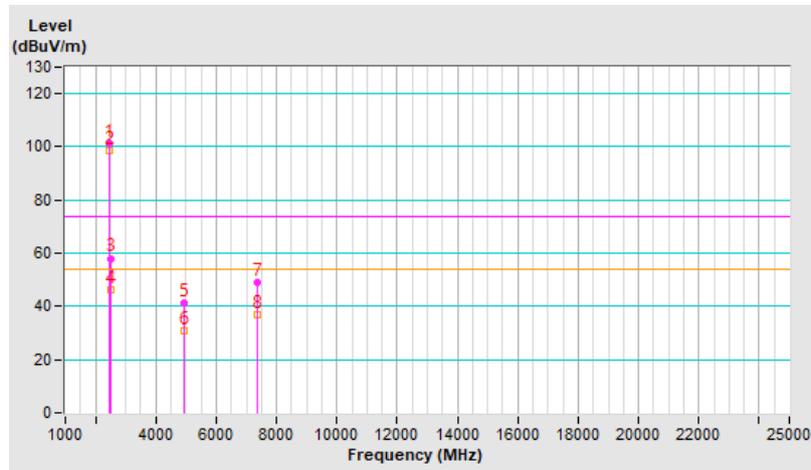


RF Mode	802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	101.4 PK			3.74 V	51	103.5	-2.1
2	*2462.00	98.7 AV			3.74 V	51	100.8	-2.1
3	2483.50	58.1 PK	74.0	-15.9	3.74 V	51	60.3	-2.2
4	2483.50	46.1 AV	54.0	-7.9	3.74 V	51	48.3	-2.2
5	4924.00	41.5 PK	74.0	-32.5	1.50 V	360	39.5	2.0
6	4924.00	30.9 AV	54.0	-23.1	1.50 V	360	28.9	2.0
7	7386.00	49.2 PK	74.0	-24.8	1.34 V	287	41.4	7.8
8	7386.00	37.0 AV	54.0	-17.0	1.34 V	287	29.2	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

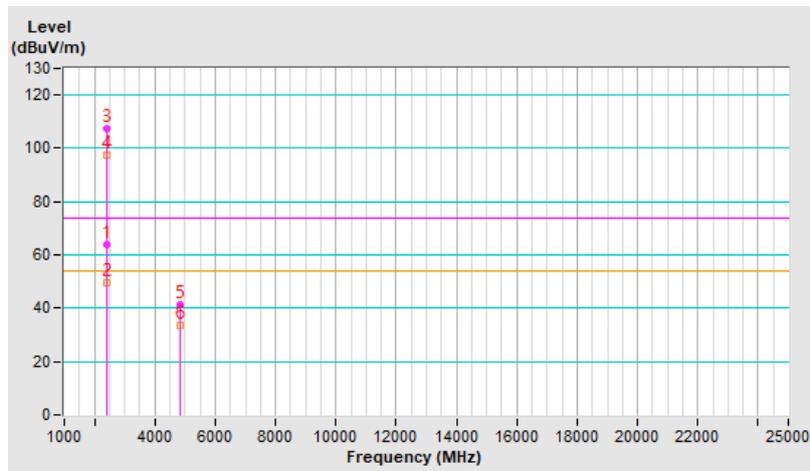


RF Mode	802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.1 PK	74.0	-9.9	1.23 H	336	66.3	-2.2
2	2390.00	49.5 AV	54.0	-4.5	1.23 H	336	51.7	-2.2
3	*2412.00	107.4 PK			1.23 H	336	109.7	-2.3
4	*2412.00	97.7 AV			1.23 H	336	100.0	-2.3
5	4824.00	41.4 PK	74.0	-32.6	1.15 H	43	39.4	2.0
6	4824.00	33.6 AV	54.0	-20.4	1.15 H	43	31.6	2.0

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, the limit was restricted at the RF Output Power.

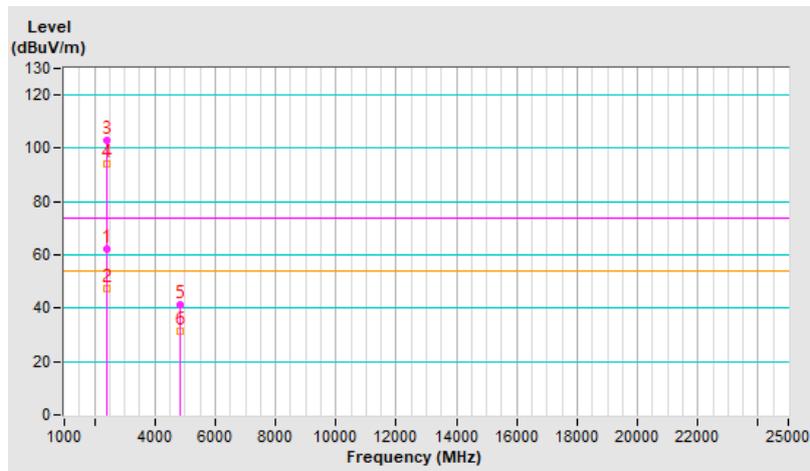


RF Mode	802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.1 PK	74.0	-11.9	1.46 V	27	64.3	-2.2
2	2390.00	47.5 AV	54.0	-6.5	1.46 V	27	49.7	-2.2
3	*2412.00	102.9 PK			1.46 V	27	105.2	-2.3
4	*2412.00	94.3 AV			1.46 V	27	96.6	-2.3
5	4824.00	41.4 PK	74.0	-32.6	1.56 V	355	39.4	2.0
6	4824.00	31.5 AV	54.0	-22.5	1.56 V	355	29.5	2.0

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, the limit was restricted at the RF Output Power.

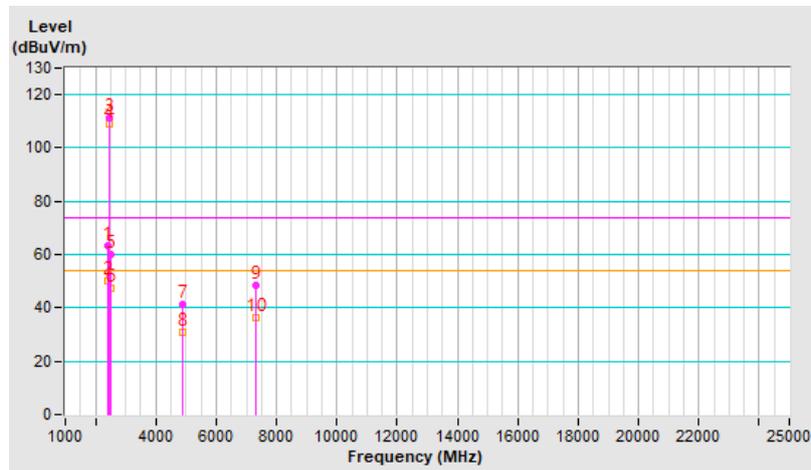


RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.2 PK	74.0	-10.8	1.27 H	29	65.4	-2.2
2	2390.00	49.9 AV	54.0	-4.1	1.27 H	29	52.1	-2.2
3	*2437.00	111.4 PK			1.27 H	29	113.6	-2.2
4	*2437.00	109.1 AV			1.27 H	29	111.3	-2.2
5	2483.50	60.0 PK	74.0	-14.0	1.27 H	29	62.2	-2.2
6	2483.50	47.3 AV	54.0	-6.7	1.27 H	29	49.5	-2.2
7	4874.00	41.3 PK	74.0	-32.7	1.19 H	40	39.4	1.9
8	4874.00	30.6 AV	54.0	-23.4	1.19 H	40	28.7	1.9
9	7311.00	48.7 PK	74.0	-25.3	1.09 H	65	40.8	7.9
10	7311.00	36.2 AV	54.0	-17.8	1.09 H	65	28.3	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

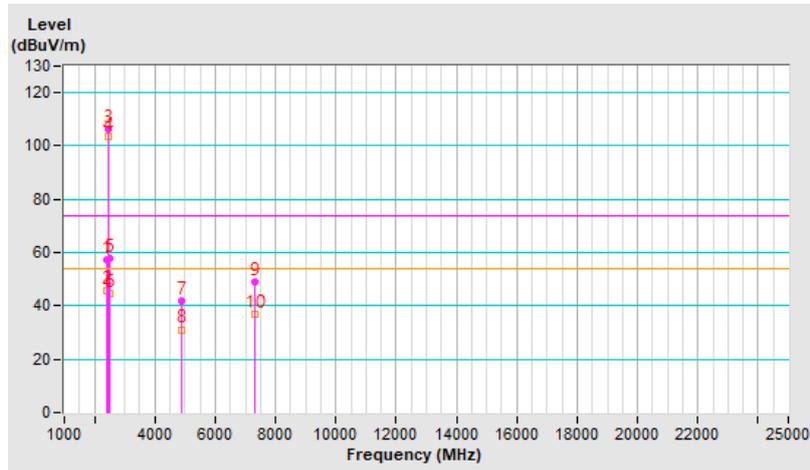


RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.4 PK	74.0	-16.6	3.09 V	23	59.6	-2.2
2	2390.00	45.6 AV	54.0	-8.4	3.09 V	23	47.8	-2.2
3	*2437.00	106.1 PK			3.09 V	23	108.3	-2.2
4	*2437.00	103.4 AV			3.09 V	23	105.6	-2.2
5	2483.50	57.6 PK	74.0	-16.4	3.09 V	23	59.8	-2.2
6	2483.50	44.6 AV	54.0	-9.4	3.09 V	23	46.8	-2.2
7	4874.00	41.8 PK	74.0	-32.2	1.52 V	360	39.9	1.9
8	4874.00	31.1 AV	54.0	-22.9	1.52 V	360	29.2	1.9
9	7311.00	49.1 PK	74.0	-24.9	1.37 V	295	41.2	7.9
10	7311.00	36.9 AV	54.0	-17.1	1.37 V	295	29.0	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

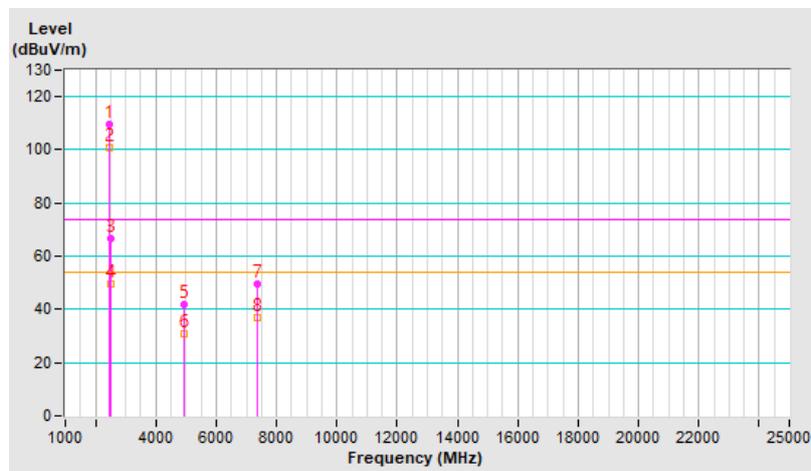


RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	109.4 PK			1.22 H	29	111.5	-2.1
2	*2462.00	100.8 AV			1.22 H	29	102.9	-2.1
3	2483.50	66.6 PK	74.0	-7.4	1.22 H	29	68.8	-2.2
4	2483.50	49.6 AV	54.0	-4.4	1.22 H	29	51.8	-2.2
5	4924.00	41.6 PK	74.0	-32.4	1.23 H	43	39.6	2.0
6	4924.00	30.8 AV	54.0	-23.2	1.23 H	43	28.8	2.0
7	7386.00	49.7 PK	74.0	-24.3	1.11 H	66	41.9	7.8
8	7386.00	37.0 AV	54.0	-17.0	1.11 H	66	29.2	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

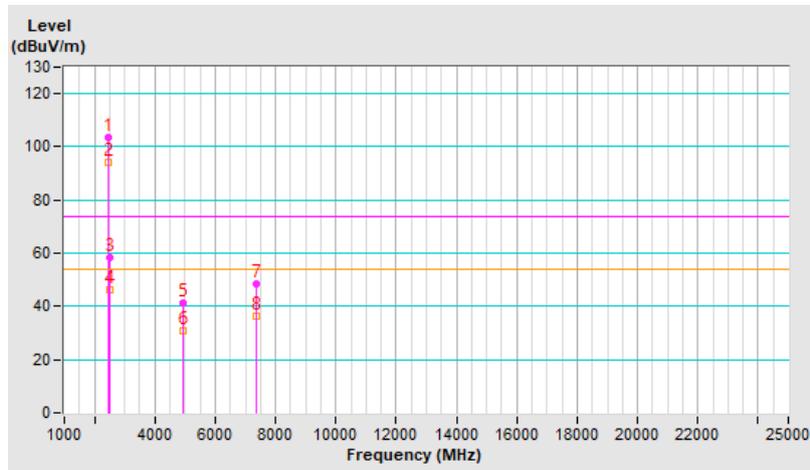


RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	103.6 PK			3.82 V	55	105.7	-2.1
2	*2462.00	94.4 AV			3.82 V	55	96.5	-2.1
3	2483.50	58.4 PK	74.0	-15.6	3.82 V	55	60.6	-2.2
4	2483.50	46.0 AV	54.0	-8.0	3.82 V	55	48.2	-2.2
5	4924.00	41.5 PK	74.0	-32.5	1.54 V	357	39.5	2.0
6	4924.00	30.7 AV	54.0	-23.3	1.54 V	357	28.7	2.0
7	7386.00	48.4 PK	74.0	-25.6	1.31 V	290	40.6	7.8
8	7386.00	36.1 AV	54.0	-17.9	1.31 V	290	28.3	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

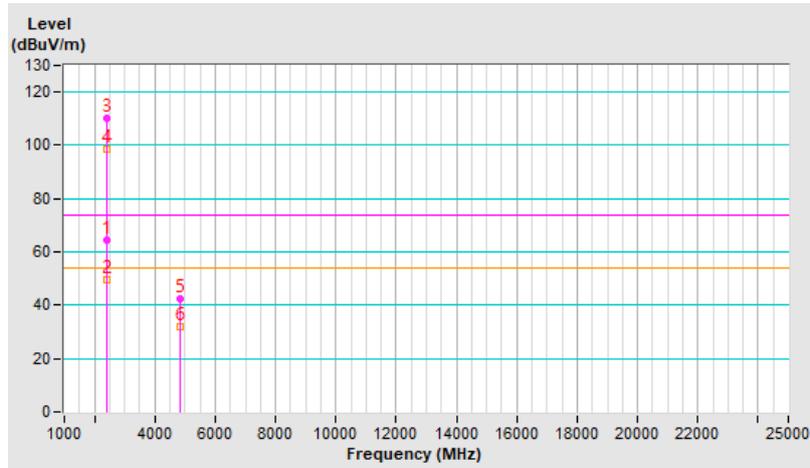


RF Mode	802.11ax (HE20)	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.2 PK	74.0	-9.8	1.25 H	25	66.4	-2.2
2	2390.00	49.8 AV	54.0	-4.2	1.25 H	25	52.0	-2.2
3	*2412.00	110.1 PK			1.25 H	25	112.4	-2.3
4	*2412.00	98.8 AV			1.25 H	25	101.1	-2.3
5	4824.00	42.5 PK	74.0	-31.5	2.52 H	332	40.5	2.0
6	4824.00	31.9 AV	54.0	-22.1	2.52 H	332	29.9	2.0

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, the limit was restricted at the RF Output Power.

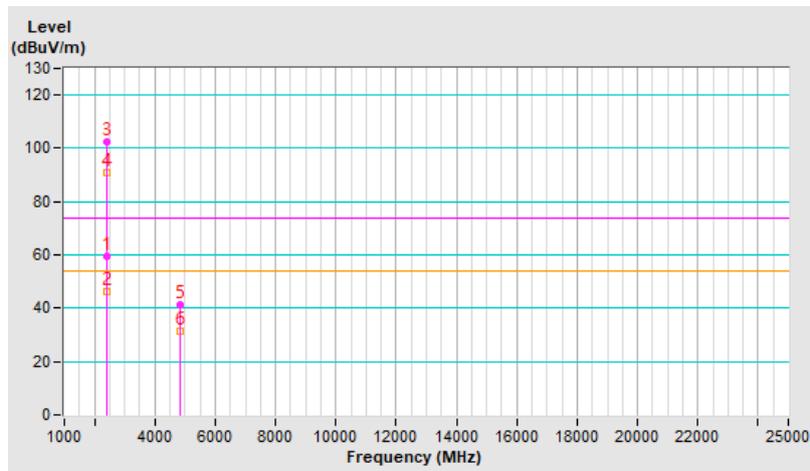


RF Mode	802.11ax (HE20)	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	59.4 PK	74.0	-14.6	3.86 V	10	61.6	-2.2
2	2390.00	46.1 AV	54.0	-7.9	3.86 V	10	48.3	-2.2
3	*2412.00	102.3 PK			3.86 V	10	104.6	-2.3
4	*2412.00	91.1 AV			3.86 V	10	93.4	-2.3
5	4824.00	41.2 PK	74.0	-32.8	1.45 V	360	39.2	2.0
6	4824.00	31.2 AV	54.0	-22.8	1.45 V	360	29.2	2.0

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, the limit was restricted at the RF Output Power.

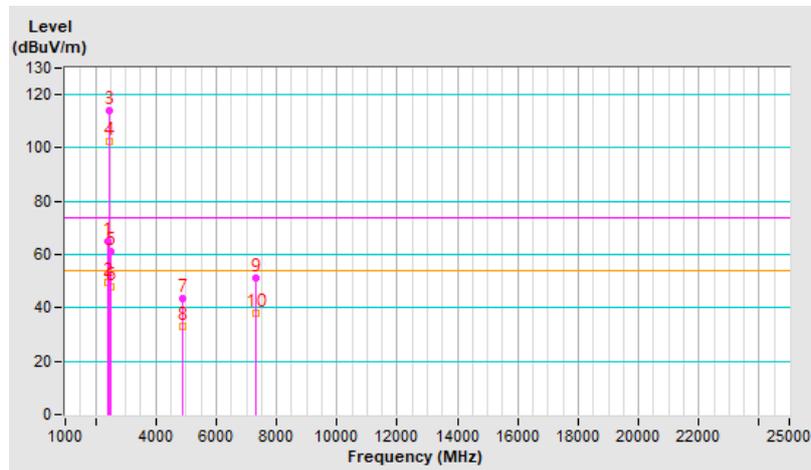


RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.0 PK	74.0	-9.0	1.20 H	13	67.2	-2.2
2	2390.00	49.5 AV	54.0	-4.5	1.20 H	13	51.7	-2.2
3	*2437.00	114.1 PK			1.20 H	13	116.3	-2.2
4	*2437.00	102.6 AV			1.20 H	13	104.8	-2.2
5	2483.50	61.2 PK	74.0	-12.8	1.20 H	13	63.4	-2.2
6	2483.50	48.0 AV	54.0	-6.0	1.20 H	13	50.2	-2.2
7	4874.00	43.3 PK	74.0	-30.7	2.48 H	344	41.4	1.9
8	4874.00	33.1 AV	54.0	-20.9	2.48 H	344	31.2	1.9
9	7311.00	51.0 PK	74.0	-23.0	1.00 H	64	43.1	7.9
10	7311.00	38.0 AV	54.0	-16.0	1.00 H	64	30.1	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

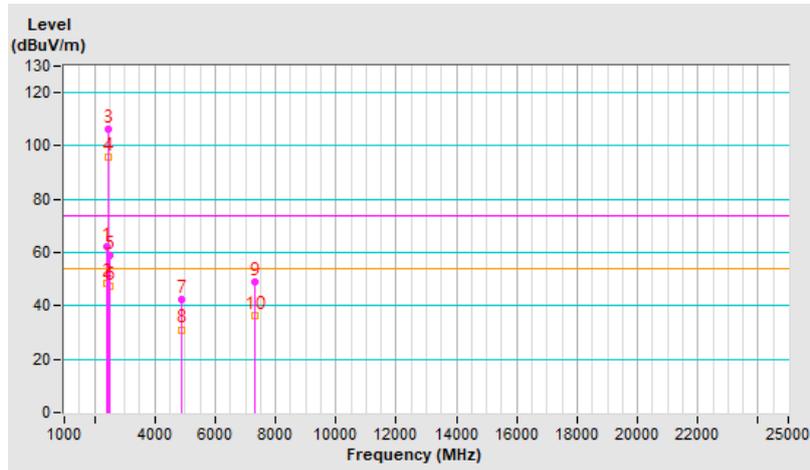


RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.3 PK	74.0	-11.7	3.08 V	45	64.5	-2.2
2	2390.00	48.2 AV	54.0	-5.8	3.08 V	45	50.4	-2.2
3	*2437.00	106.2 PK			3.08 V	45	108.4	-2.2
4	*2437.00	95.6 AV			3.08 V	45	97.8	-2.2
5	2483.50	58.9 PK	74.0	-15.1	3.08 V	45	61.1	-2.2
6	2483.50	47.6 AV	54.0	-6.4	3.08 V	45	49.8	-2.2
7	4874.00	42.6 PK	74.0	-31.4	1.50 V	357	40.7	1.9
8	4874.00	31.1 AV	54.0	-22.9	1.50 V	357	29.2	1.9
9	7311.00	49.2 PK	74.0	-24.8	1.37 V	288	41.3	7.9
10	7311.00	36.5 AV	54.0	-17.5	1.37 V	288	28.6	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

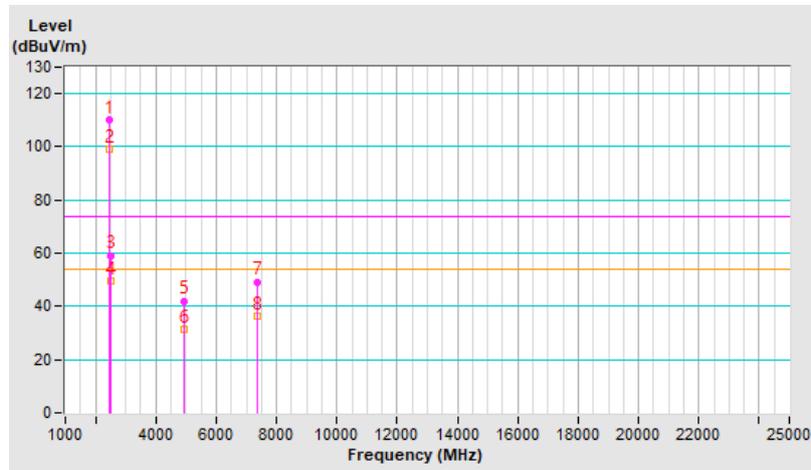


RF Mode	802.11ax (HE20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	110.2 PK			1.23 H	26	112.3	-2.1
2	*2462.00	99.0 AV			1.23 H	26	101.1	-2.1
3	2483.50	59.2 PK	74.0	-14.8	1.23 H	26	61.4	-2.2
4	2483.50	49.5 AV	54.0	-4.5	1.23 H	26	51.7	-2.2
5	4924.00	42.1 PK	74.0	-31.9	2.43 H	358	40.1	2.0
6	4924.00	31.2 AV	54.0	-22.8	2.43 H	358	29.2	2.0
7	7386.00	49.3 PK	74.0	-24.7	1.05 H	52	41.5	7.8
8	7386.00	36.4 AV	54.0	-17.6	1.05 H	52	28.6	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

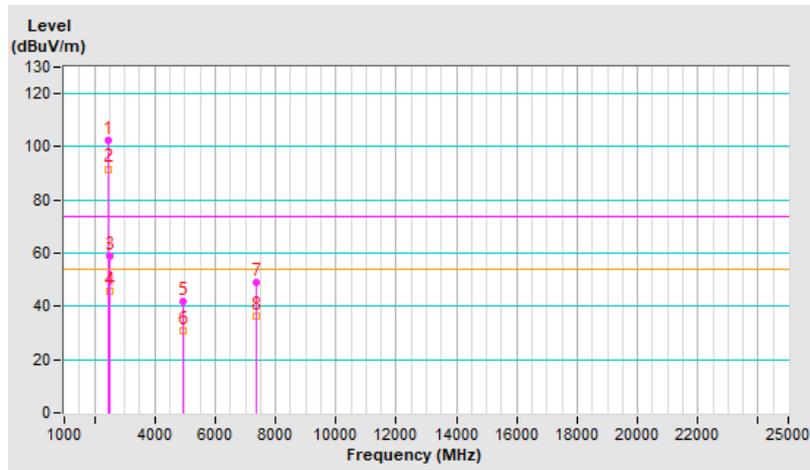


RF Mode	802.11ax (HE20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	102.2 PK			3.42 V	11	104.3	-2.1
2	*2462.00	91.7 AV			3.42 V	11	93.8	-2.1
3	2483.50	58.9 PK	74.0	-15.1	3.42 V	11	61.1	-2.2
4	2483.50	45.6 AV	54.0	-8.4	3.42 V	11	47.8	-2.2
5	4924.00	41.6 PK	74.0	-32.4	1.49 V	345	39.6	2.0
6	4924.00	30.9 AV	54.0	-23.1	1.49 V	345	28.9	2.0
7	7386.00	48.9 PK	74.0	-25.1	1.32 V	289	41.1	7.8
8	7386.00	36.5 AV	54.0	-17.5	1.32 V	289	28.7	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

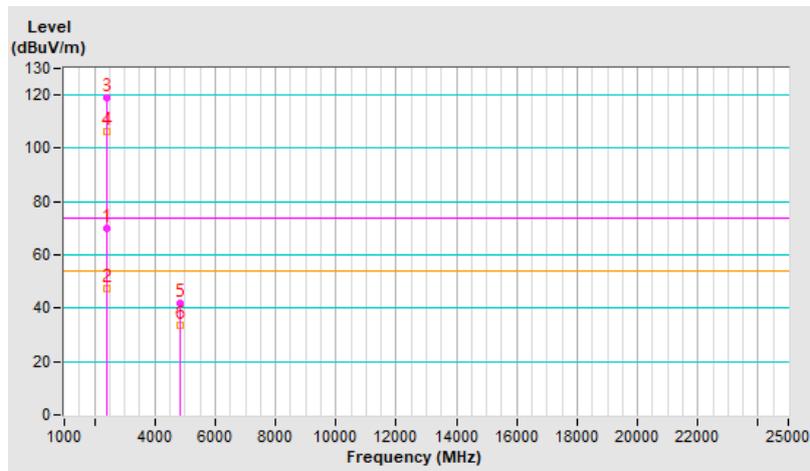


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.8 PK	74.0	-4.2	1.21 H	22	72.0	-2.2
2	2390.00	47.1 AV	54.0	-6.9	1.21 H	22	49.3	-2.2
3	*2412.00	119.2 PK			1.21 H	22	121.5	-2.3
4	*2412.00	106.2 AV			1.21 H	22	108.5	-2.3
5	4824.00	41.9 PK	74.0	-32.1	1.23 H	27	39.9	2.0
6	4824.00	33.6 AV	54.0	-20.4	1.23 H	27	31.6	2.0

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, the limit was restricted at the RF Output Power.

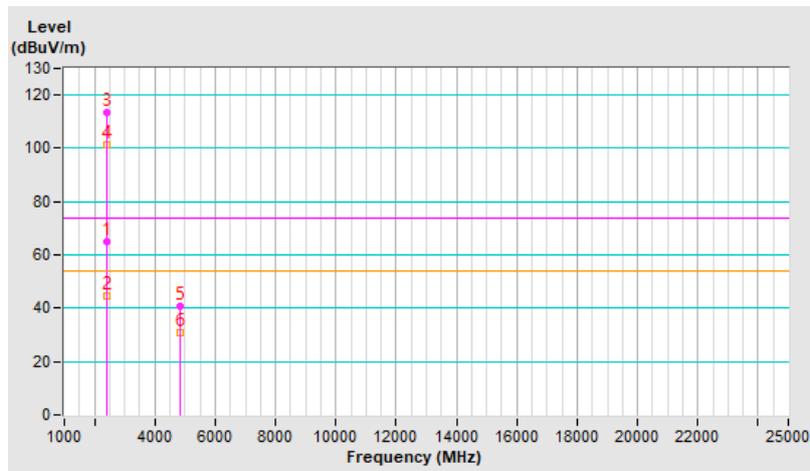


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.0 PK	74.0	-9.0	3.93 V	37	67.2	-2.2
2	2390.00	44.8 AV	54.0	-9.2	3.93 V	37	47.0	-2.2
3	*2412.00	113.5 PK			3.93 V	37	115.8	-2.3
4	*2412.00	101.5 AV			3.93 V	37	103.8	-2.3
5	4824.00	40.8 PK	74.0	-33.2	1.51 V	350	38.8	2.0
6	4824.00	31.0 AV	54.0	-23.0	1.51 V	350	29.0	2.0

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, the limit was restricted at the RF Output Power.

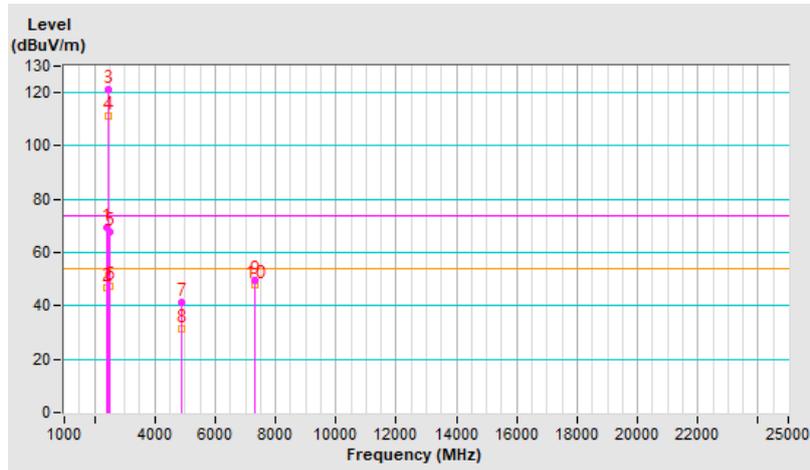


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.5 PK	74.0	-4.5	1.19 H	21	71.7	-2.2
2	2390.00	46.8 AV	54.0	-7.2	1.19 H	21	49.0	-2.2
3	*2437.00	121.4 PK			1.19 H	21	123.6	-2.2
4	*2437.00	111.3 AV			1.19 H	21	113.5	-2.2
5	2483.50	67.7 PK	74.0	-6.3	1.19 H	21	69.9	-2.2
6	2483.50	47.1 AV	54.0	-6.9	1.19 H	21	49.3	-2.2
7	4874.00	41.1 PK	74.0	-32.9	1.21 H	61	39.2	1.9
8	4874.00	31.6 AV	54.0	-22.4	1.21 H	61	29.7	1.9
9	7311.00	49.7 PK	74.0	-24.3	1.14 H	62	41.8	7.9
10	7311.00	47.9 AV	54.0	-6.1	1.14 H	62	40.0	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

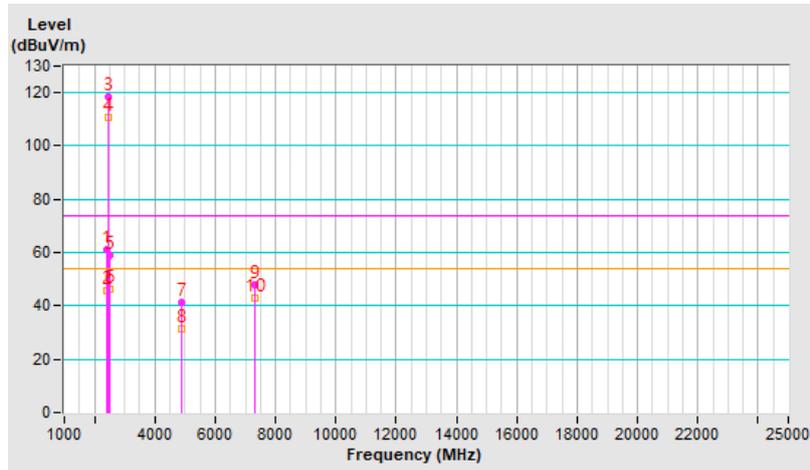


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	2390.00	61.1 PK	74.0	-12.9	3.85 V	53	63.3	-2.2
2	2390.00	45.9 AV	54.0	-8.1	3.85 V	53	48.1	-2.2
3	*2437.00	118.5 PK			3.85 V	53	120.7	-2.2
4	*2437.00	110.8 AV			3.85 V	53	113.0	-2.2
5	2483.50	59.1 PK	74.0	-14.9	3.85 V	53	61.3	-2.2
6	2483.50	46.1 AV	54.0	-7.9	3.85 V	53	48.3	-2.2
7	4874.00	41.2 PK	74.0	-32.8	1.49 V	359	39.3	1.9
8	4874.00	31.2 AV	54.0	-22.8	1.49 V	359	29.3	1.9
9	7311.00	47.8 PK	74.0	-26.2	1.31 V	305	39.9	7.9
10	7311.00	42.9 AV	54.0	-11.1	1.31 V	305	35.0	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

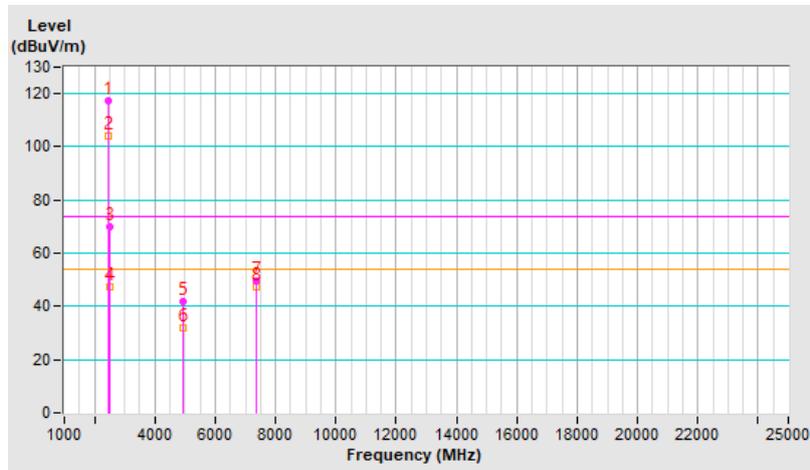


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	117.1 PK			1.16 H	21	119.2	-2.1
2	*2462.00	103.9 AV			1.16 H	21	106.0	-2.1
3	2483.50	69.9 PK	74.0	-4.1	1.16 H	21	72.1	-2.2
4	2483.50	47.5 AV	54.0	-6.5	1.16 H	21	49.7	-2.2
5	4924.00	41.6 PK	74.0	-32.4	1.21 H	55	39.6	2.0
6	4924.00	31.8 AV	54.0	-22.2	1.21 H	55	29.8	2.0
7	7386.00	49.6 PK	74.0	-24.4	1.11 H	70	41.8	7.8
8	7386.00	47.5 AV	54.0	-6.5	1.11 H	70	39.7	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

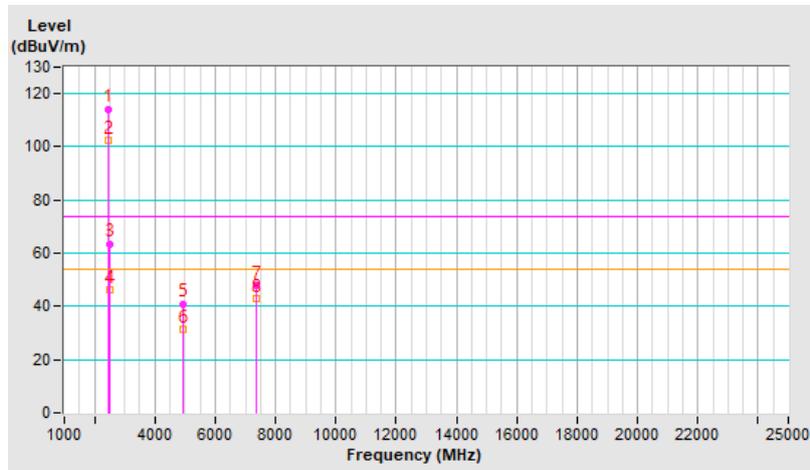


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	114.3 PK			3.73 V	50	116.4	-2.1
2	*2462.00	102.3 AV			3.73 V	50	104.4	-2.1
3	2483.50	63.6 PK	74.0	-10.4	3.73 V	50	65.8	-2.2
4	2483.50	46.1 AV	54.0	-7.9	3.73 V	50	48.3	-2.2
5	4924.00	41.0 PK	74.0	-33.0	1.52 V	348	39.0	2.0
6	4924.00	31.2 AV	54.0	-22.8	1.52 V	348	29.2	2.0
7	7386.00	47.9 PK	74.0	-26.1	1.28 V	290	40.1	7.8
8	7386.00	43.1 AV	54.0	-10.9	1.28 V	290	35.3	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

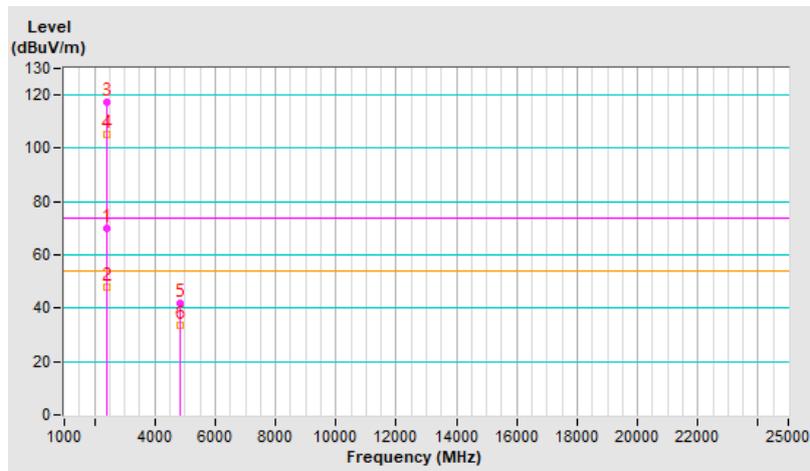


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.8 PK	74.0	-4.2	1.23 H	23	72.0	-2.2
2	2390.00	47.9 AV	54.0	-6.1	1.23 H	23	50.1	-2.2
3	*2412.00	117.5 PK			1.23 H	23	119.8	-2.3
4	*2412.00	105.0 AV			1.23 H	23	107.3	-2.3
5	4824.00	42.0 PK	74.0	-32.0	1.29 H	17	40.0	2.0
6	4824.00	33.6 AV	54.0	-20.4	1.29 H	17	31.6	2.0

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, the limit was restricted at the RF Output Power.

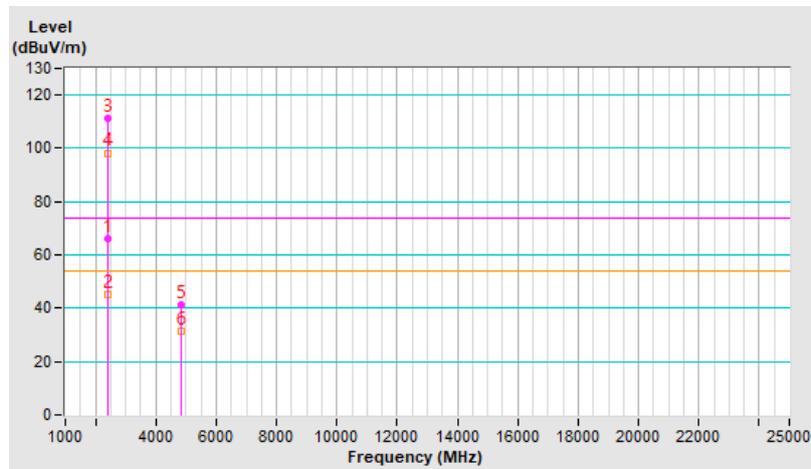


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.2 PK	74.0	-7.8	3.88 V	26	68.4	-2.2
2	2390.00	45.1 AV	54.0	-8.9	3.88 V	26	47.3	-2.2
3	*2412.00	111.0 PK			3.88 V	26	113.3	-2.3
4	*2412.00	98.3 AV			3.88 V	26	100.6	-2.3
5	4824.00	41.3 PK	74.0	-32.7	1.50 V	336	39.3	2.0
6	4824.00	31.4 AV	54.0	-22.6	1.50 V	336	29.4	2.0

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, the limit was restricted at the RF Output Power.

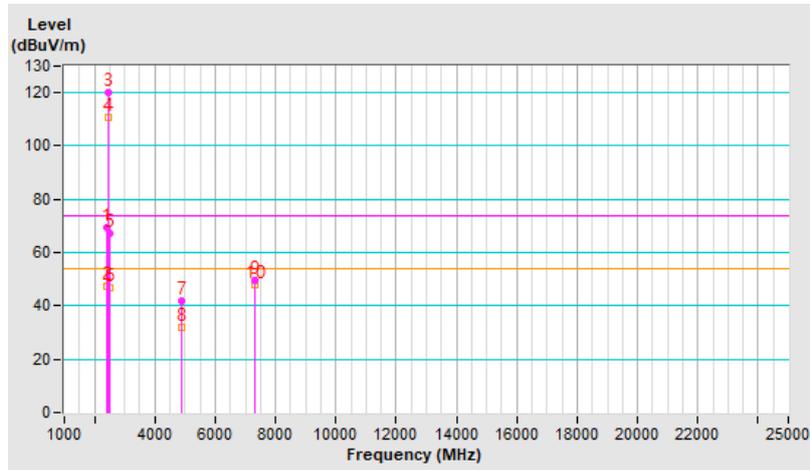


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.4 PK	74.0	-4.6	1.18 H	26	71.6	-2.2
2	2390.00	47.5 AV	54.0	-6.5	1.18 H	26	49.7	-2.2
3	*2437.00	120.1 PK			1.18 H	26	122.3	-2.2
4	*2437.00	110.9 AV			1.18 H	26	113.1	-2.2
5	2483.50	67.2 PK	74.0	-6.8	1.18 H	26	69.4	-2.2
6	2483.50	46.6 AV	54.0	-7.4	1.18 H	26	48.8	-2.2
7	4874.00	41.7 PK	74.0	-32.3	1.23 H	49	39.8	1.9
8	4874.00	31.8 AV	54.0	-22.2	1.23 H	49	29.9	1.9
9	7311.00	49.8 PK	74.0	-24.2	1.07 H	78	41.9	7.9
10	7311.00	47.9 AV	54.0	-6.1	1.07 H	78	40.0	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

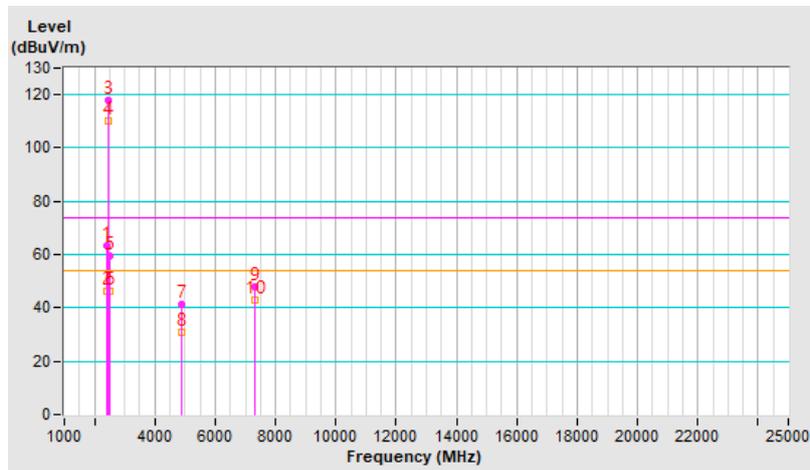


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.1 PK	74.0	-10.9	3.89 V	37	65.3	-2.2
2	2390.00	46.1 AV	54.0	-7.9	3.89 V	37	48.3	-2.2
3	*2437.00	117.8 PK			3.89 V	37	120.0	-2.2
4	*2437.00	110.4 AV			3.89 V	37	112.6	-2.2
5	2483.50	59.5 PK	74.0	-14.5	3.89 V	37	61.7	-2.2
6	2483.50	46.0 AV	54.0	-8.0	3.89 V	37	48.2	-2.2
7	4874.00	41.2 PK	74.0	-32.8	1.49 V	348	39.3	1.9
8	4874.00	31.0 AV	54.0	-23.0	1.49 V	348	29.1	1.9
9	7311.00	48.0 PK	74.0	-26.0	1.26 V	301	40.1	7.9
10	7311.00	43.1 AV	54.0	-10.9	1.26 V	301	35.2	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

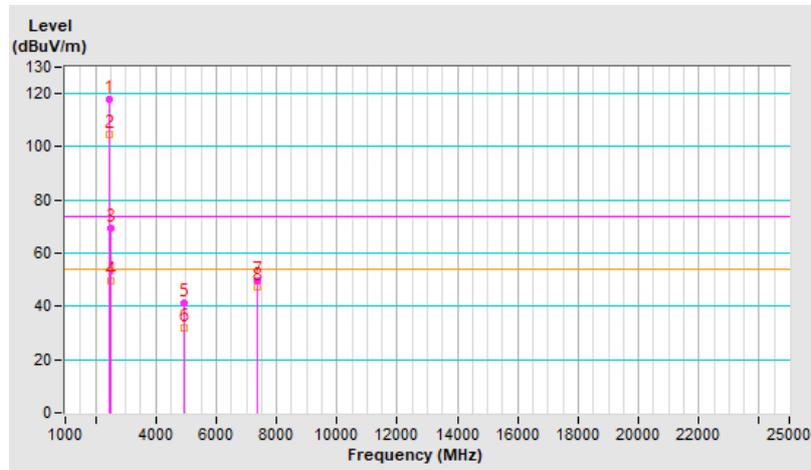


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	117.8 PK			1.15 H	19	119.9	-2.1
2	*2462.00	104.4 AV			1.15 H	19	106.5	-2.1
3	2483.50	69.6 PK	74.0	-4.4	1.15 H	19	71.8	-2.2
4	2483.50	49.6 AV	54.0	-4.4	1.15 H	19	51.8	-2.2
5	4924.00	41.3 PK	74.0	-32.7	1.23 H	58	39.3	2.0
6	4924.00	31.7 AV	54.0	-22.3	1.23 H	58	29.7	2.0
7	7386.00	49.5 PK	74.0	-24.5	1.12 H	66	41.7	7.8
8	7386.00	47.2 AV	54.0	-6.8	1.12 H	66	39.4	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

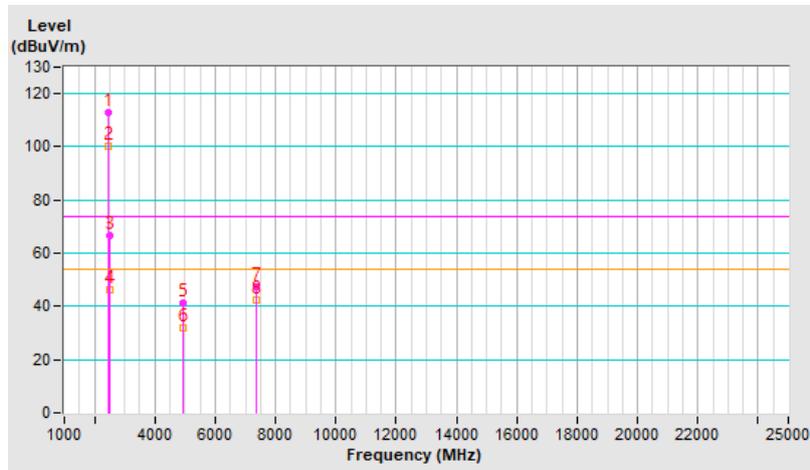


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.1 PK			3.74 V	55	115.2	-2.1
2	*2462.00	100.0 AV			3.74 V	55	102.1	-2.1
3	2483.50	66.6 PK	74.0	-7.4	3.74 V	55	68.8	-2.2
4	2483.50	46.1 AV	54.0	-7.9	3.74 V	55	48.3	-2.2
5	4924.00	41.5 PK	74.0	-32.5	1.43 V	343	39.5	2.0
6	4924.00	31.7 AV	54.0	-22.3	1.43 V	343	29.7	2.0
7	7386.00	47.2 PK	74.0	-26.8	1.27 V	317	39.4	7.8
8	7386.00	42.5 AV	54.0	-11.5	1.27 V	317	34.7	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

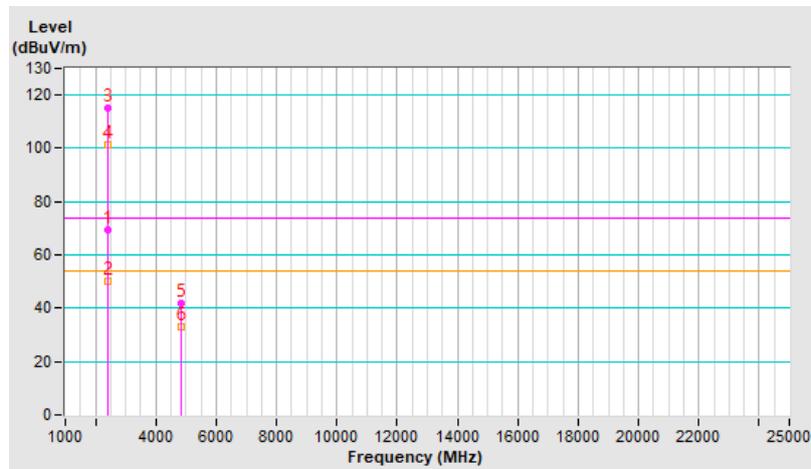


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.5 PK	74.0	-4.5	1.22 H	23	71.7	-2.2
2	2390.00	49.9 AV	54.0	-4.1	1.22 H	23	52.1	-2.2
3	*2412.00	115.3 PK			1.22 H	23	117.6	-2.3
4	*2412.00	101.5 AV			1.22 H	23	103.8	-2.3
5	4824.00	41.6 PK	74.0	-32.4	1.27 H	30	39.6	2.0
6	4824.00	33.2 AV	54.0	-20.8	1.27 H	30	31.2	2.0

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, the limit was restricted at the RF Output Power.

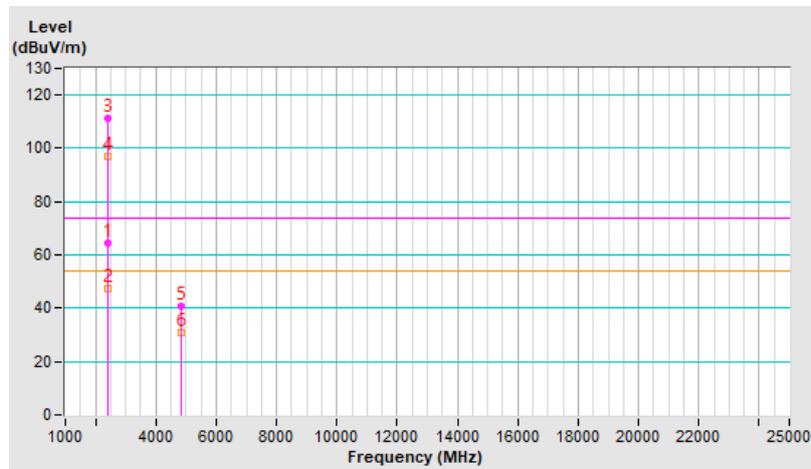


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.6 PK	74.0	-9.4	3.51 V	53	66.8	-2.2
2	2390.00	47.2 AV	54.0	-6.8	3.51 V	53	49.4	-2.2
3	*2412.00	111.4 PK			3.51 V	53	113.7	-2.3
4	*2412.00	96.8 AV			3.51 V	53	99.1	-2.3
5	4824.00	40.7 PK	74.0	-33.3	1.47 V	343	38.7	2.0
6	4824.00	30.8 AV	54.0	-23.2	1.47 V	343	28.8	2.0

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, the limit was restricted at the RF Output Power.

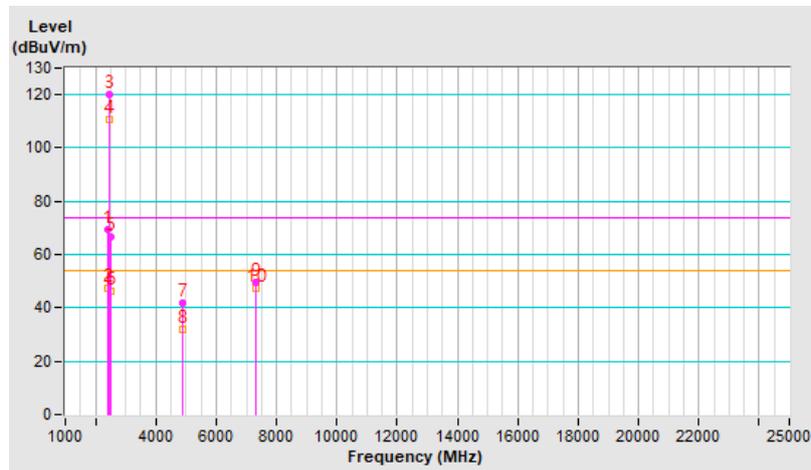


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.6 PK	74.0	-4.4	1.14 H	13	71.8	-2.2
2	2390.00	47.6 AV	54.0	-6.4	1.14 H	13	49.8	-2.2
3	*2437.00	120.0 PK			1.14 H	13	122.2	-2.2
4	*2437.00	110.6 AV			1.14 H	13	112.8	-2.2
5	2483.50	66.7 PK	74.0	-7.3	1.14 H	13	68.9	-2.2
6	2483.50	46.2 AV	54.0	-7.8	1.14 H	13	48.4	-2.2
7	4874.00	41.7 PK	74.0	-32.3	1.16 H	61	39.8	1.9
8	4874.00	32.0 AV	54.0	-22.0	1.16 H	61	30.1	1.9
9	7311.00	49.4 PK	74.0	-24.6	1.15 H	73	41.5	7.9
10	7311.00	47.2 AV	54.0	-6.8	1.15 H	73	39.3	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

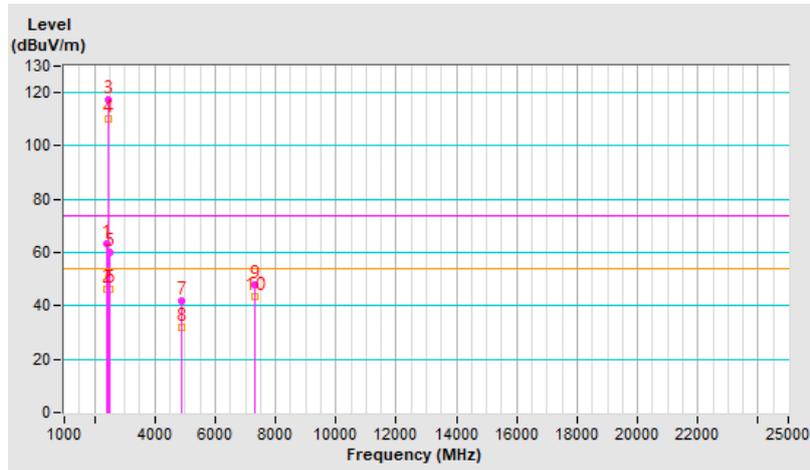


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.3 PK	74.0	-10.7	3.88 V	43	65.5	-2.2
2	2390.00	46.5 AV	54.0	-7.5	3.88 V	43	48.7	-2.2
3	*2437.00	117.3 PK			3.88 V	43	119.5	-2.2
4	*2437.00	110.1 AV			3.88 V	43	112.3	-2.2
5	2483.50	60.0 PK	74.0	-14.0	3.88 V	43	62.2	-2.2
6	2483.50	46.2 AV	54.0	-7.8	3.88 V	43	48.4	-2.2
7	4874.00	41.7 PK	74.0	-32.3	1.46 V	355	39.8	1.9
8	4874.00	31.7 AV	54.0	-22.3	1.46 V	355	29.8	1.9
9	7311.00	48.0 PK	74.0	-26.0	1.37 V	299	40.1	7.9
10	7311.00	43.4 AV	54.0	-10.6	1.37 V	299	35.5	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

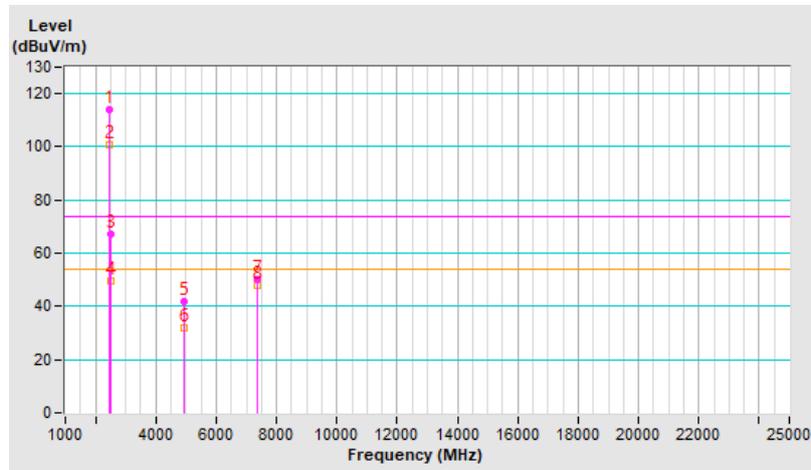


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	114.1 PK			1.16 H	22	116.2	-2.1
2	*2462.00	100.8 AV			1.16 H	22	102.9	-2.1
3	2483.50	67.4 PK	74.0	-6.6	1.16 H	22	69.6	-2.2
4	2483.50	49.5 AV	54.0	-4.5	1.16 H	22	51.7	-2.2
5	4924.00	41.9 PK	74.0	-32.1	1.22 H	42	39.9	2.0
6	4924.00	32.1 AV	54.0	-21.9	1.22 H	42	30.1	2.0
7	7386.00	50.1 PK	74.0	-23.9	1.11 H	63	42.3	7.8
8	7386.00	47.9 AV	54.0	-6.1	1.11 H	63	40.1	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

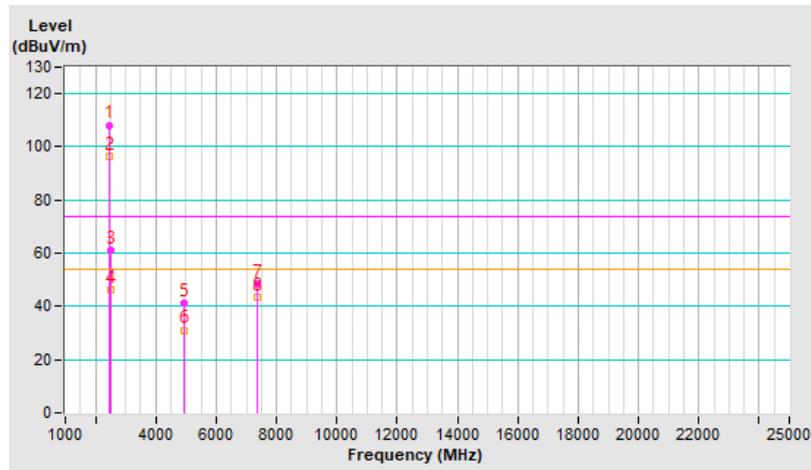


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	108.2 PK			3.72 V	54	110.3	-2.1
2	*2462.00	96.3 AV			3.72 V	54	98.4	-2.1
3	2483.50	61.1 PK	74.0	-12.9	3.72 V	54	63.3	-2.2
4	2483.50	46.2 AV	54.0	-7.8	3.72 V	54	48.4	-2.2
5	4924.00	41.1 PK	74.0	-32.9	1.48 V	357	39.1	2.0
6	4924.00	31.1 AV	54.0	-22.9	1.48 V	357	29.1	2.0
7	7386.00	48.3 PK	74.0	-25.7	1.30 V	291	40.5	7.8
8	7386.00	43.4 AV	54.0	-10.6	1.30 V	291	35.6	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.



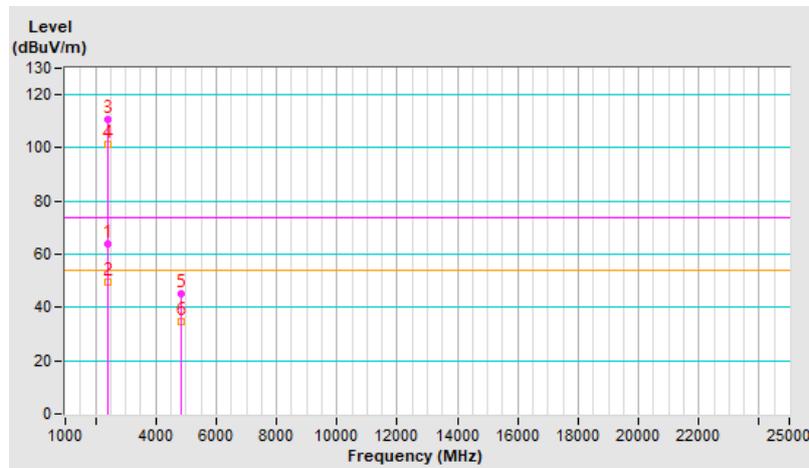
2Tx

RF Mode	802.11g	Channel	CH 1 : 2412 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 (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.0 PK	74.0	-10.0	1.44 H	23	66.2	-2.2
2	2390.00	49.7 AV	54.0	-4.3	1.44 H	23	51.9	-2.2
3	*2412.00	110.6 PK			1.44 H	23	112.9	-2.3
4	*2412.00	101.3 AV			1.44 H	23	103.6	-2.3
5	4824.00	45.2 PK	74.0	-28.8	1.51 H	12	43.2	2.0
6	4824.00	34.5 AV	54.0	-19.5	1.51 H	12	32.5	2.0

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, the limit was restricted at the RF Output Power.

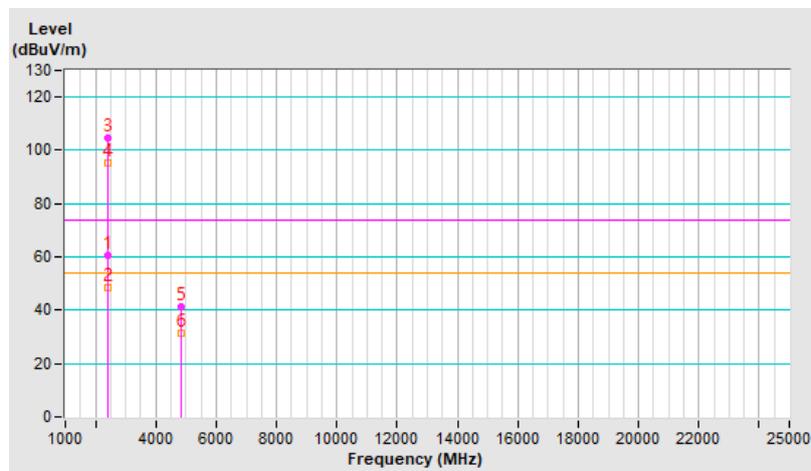


RF Mode	802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	60.4 PK	74.0	-13.6	3.25 V	22	62.6	-2.2
2	2390.00	48.6 AV	54.0	-5.4	3.25 V	22	50.8	-2.2
3	*2412.00	104.6 PK			3.25 V	22	106.9	-2.3
4	*2412.00	95.4 AV			3.25 V	22	97.7	-2.3
5	4824.00	41.2 PK	74.0	-32.8	1.45 V	335	39.2	2.0
6	4824.00	31.2 AV	54.0	-22.8	1.45 V	335	29.2	2.0

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, the limit was restricted at the RF Output Power.

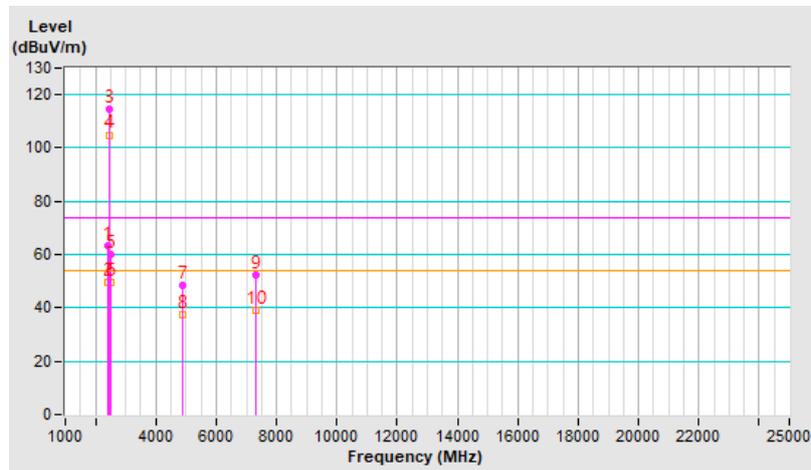


RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.3 PK	74.0	-10.7	1.00 H	21	65.5	-2.2
2	2390.00	49.7 AV	54.0	-4.3	1.00 H	21	51.9	-2.2
3	*2437.00	114.5 PK			1.00 H	21	116.7	-2.2
4	*2437.00	104.9 AV			1.00 H	21	107.1	-2.2
5	2483.50	59.9 PK	74.0	-14.1	1.00 H	21	62.1	-2.2
6	2483.50	49.8 AV	54.0	-4.2	1.00 H	21	52.0	-2.2
7	4874.00	48.3 PK	74.0	-25.7	1.50 H	3	46.4	1.9
8	4874.00	37.6 AV	54.0	-16.4	1.50 H	3	35.7	1.9
9	7311.00	52.1 PK	74.0	-21.9	1.50 H	50	44.2	7.9
10	7311.00	39.3 AV	54.0	-14.7	1.50 H	50	31.4	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

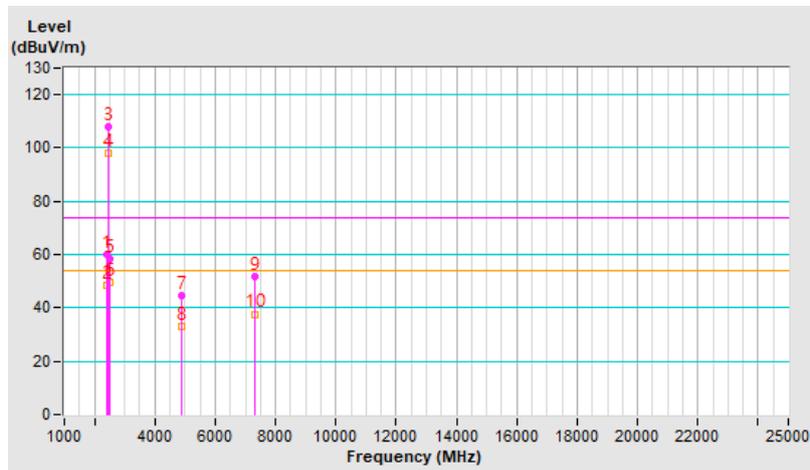


RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	2390.00	60.1 PK	74.0	-13.9	1.21 V	35	62.3	-2.2
2	2390.00	48.2 AV	54.0	-5.8	1.21 V	35	50.4	-2.2
3	*2437.00	108.1 PK			1.21 V	35	110.3	-2.2
4	*2437.00	98.2 AV			1.21 V	35	100.4	-2.2
5	2483.50	58.2 PK	74.0	-15.8	1.21 V	35	60.4	-2.2
6	2483.50	49.4 AV	54.0	-4.6	1.21 V	35	51.6	-2.2
7	4874.00	44.6 PK	74.0	-29.4	1.50 V	348	42.7	1.9
8	4874.00	33.1 AV	54.0	-20.9	1.50 V	348	31.2	1.9
9	7311.00	51.7 PK	74.0	-22.3	1.29 V	285	43.8	7.9
10	7311.00	37.7 AV	54.0	-16.3	1.29 V	285	29.8	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

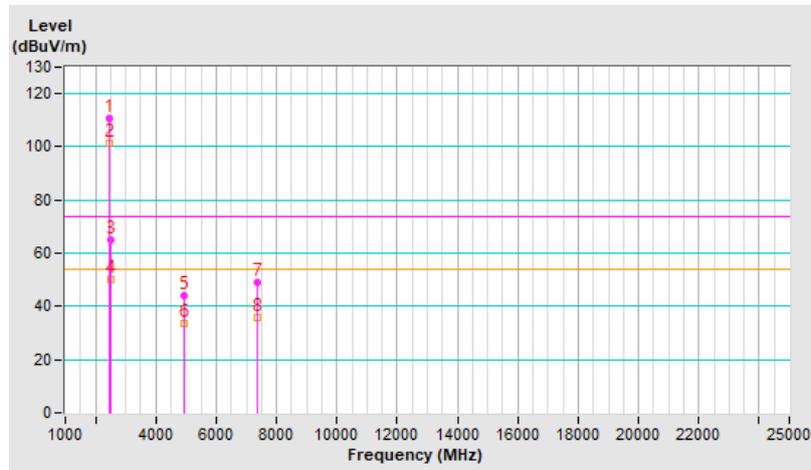


RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	110.9 PK			1.39 H	20	113.0	-2.1
2	*2462.00	101.1 AV			1.39 H	20	103.2	-2.1
3	2483.50	64.9 PK	74.0	-9.1	1.39 H	20	67.1	-2.2
4	2483.50	49.9 AV	54.0	-4.1	1.39 H	20	52.1	-2.2
5	4924.00	44.2 PK	74.0	-29.8	1.48 H	14	42.2	2.0
6	4924.00	33.5 AV	54.0	-20.5	1.48 H	14	31.5	2.0
7	7386.00	49.2 PK	74.0	-24.8	1.55 H	60	41.4	7.8
8	7386.00	35.8 AV	54.0	-18.2	1.55 H	60	28.0	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

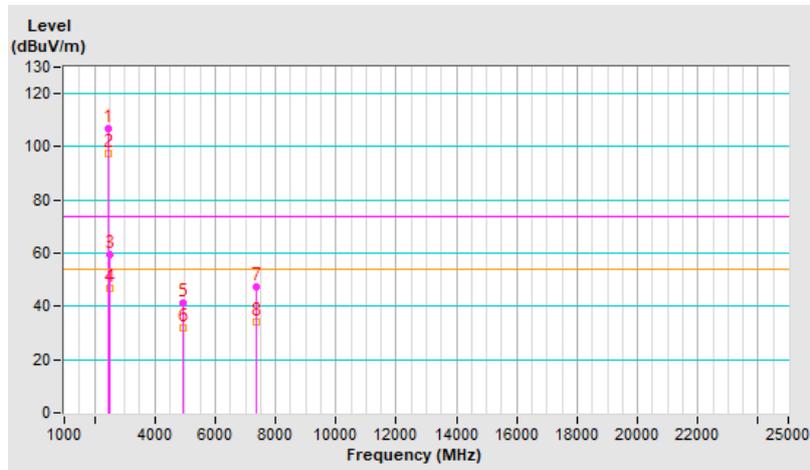


RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	106.9 PK			1.44 V	24	109.0	-2.1
2	*2462.00	97.4 AV			1.44 V	24	99.5	-2.1
3	2483.50	59.4 PK	74.0	-14.6	1.44 V	24	61.6	-2.2
4	2483.50	46.7 AV	54.0	-7.3	1.44 V	24	48.9	-2.2
5	4924.00	41.2 PK	74.0	-32.8	1.46 V	343	39.2	2.0
6	4924.00	31.8 AV	54.0	-22.2	1.46 V	343	29.8	2.0
7	7386.00	47.5 PK	74.0	-26.5	1.34 V	298	39.7	7.8
8	7386.00	33.9 AV	54.0	-20.1	1.34 V	298	26.1	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

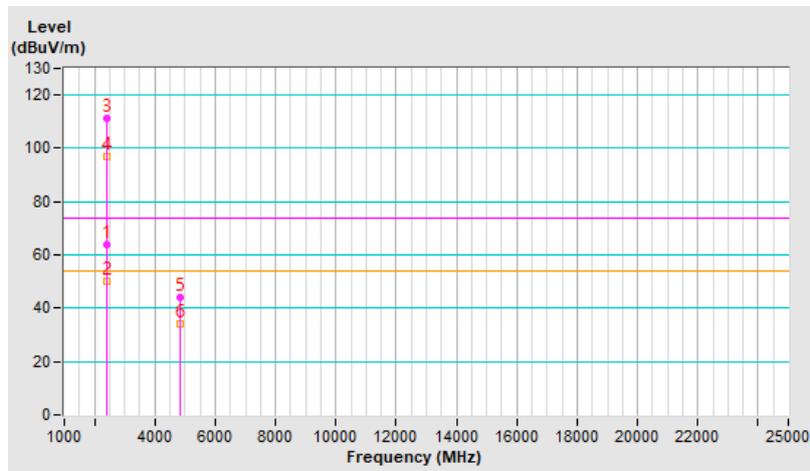


RF Mode	802.11ax (HE20)	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.1 PK	74.0	-9.9	1.50 H	22	66.3	-2.2
2	2390.00	49.9 AV	54.0	-4.1	1.50 H	22	52.1	-2.2
3	*2412.00	111.1 PK			1.50 H	22	113.4	-2.3
4	*2412.00	96.7 AV			1.50 H	22	99.0	-2.3
5	4824.00	43.9 PK	74.0	-30.1	2.64 H	15	41.9	2.0
6	4824.00	33.9 AV	54.0	-20.1	2.64 H	15	31.9	2.0

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, the limit was restricted at the RF Output Power.

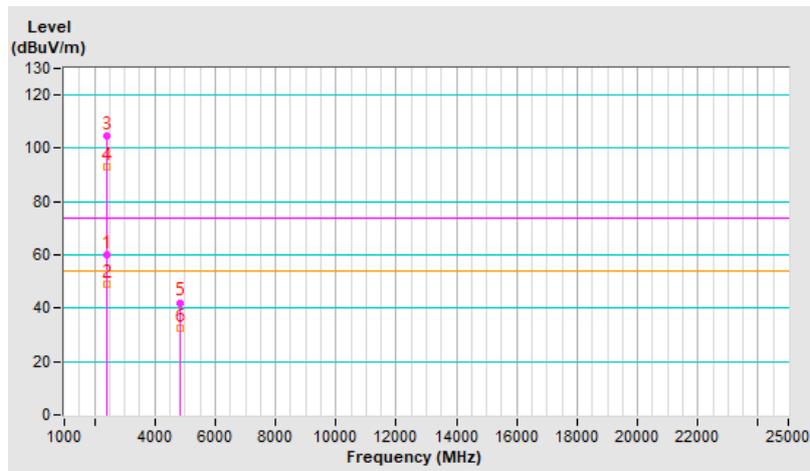


RF Mode	802.11ax (HE20)	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	59.9 PK	74.0	-14.1	1.54 V	25	62.1	-2.2
2	2390.00	48.9 AV	54.0	-5.1	1.54 V	25	51.1	-2.2
3	*2412.00	104.6 PK			1.54 V	25	106.9	-2.3
4	*2412.00	93.0 AV			1.54 V	25	95.3	-2.3
5	4824.00	42.1 PK	74.0	-31.9	1.65 V	360	40.1	2.0
6	4824.00	32.5 AV	54.0	-21.5	1.65 V	360	30.5	2.0

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, the limit was restricted at the RF Output Power.

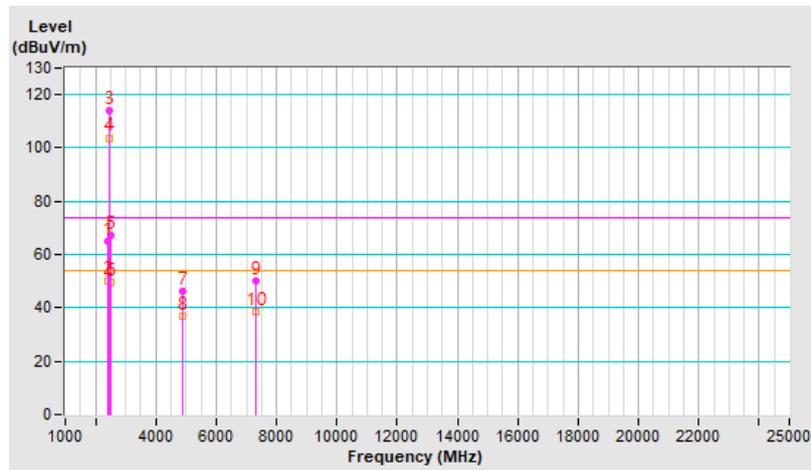


RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.2 PK	74.0	-8.8	1.22 H	28	67.4	-2.2
2	2390.00	49.9 AV	54.0	-4.1	1.22 H	28	52.1	-2.2
3	*2437.00	113.8 PK			1.22 H	28	116.0	-2.2
4	*2437.00	103.8 AV			1.22 H	28	106.0	-2.2
5	2483.50	67.0 PK	74.0	-7.0	1.22 H	28	69.2	-2.2
6	2483.50	49.7 AV	54.0	-4.3	1.22 H	28	51.9	-2.2
7	4874.00	46.4 PK	74.0	-27.6	2.65 H	0	44.5	1.9
8	4874.00	36.8 AV	54.0	-17.2	2.65 H	0	34.9	1.9
9	7311.00	50.1 PK	74.0	-23.9	1.50 H	50	42.2	7.9
10	7311.00	38.7 AV	54.0	-15.3	1.50 H	50	30.8	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

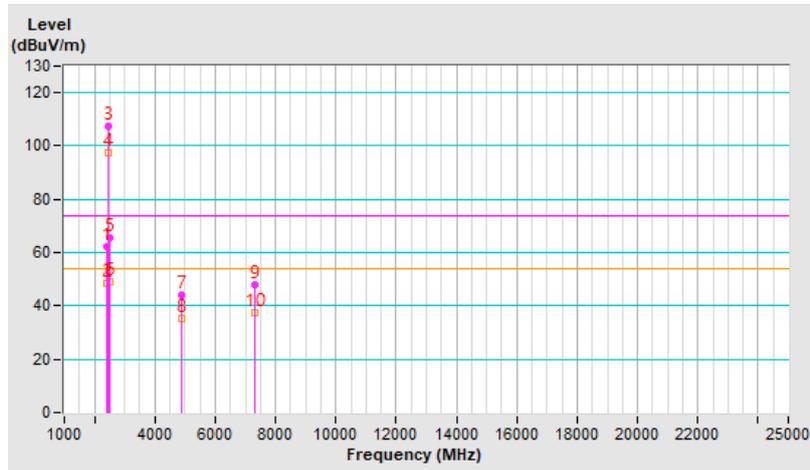


RF Mode	802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.1 PK	74.0	-11.9	1.26 V	30	64.3	-2.2
2	2390.00	48.5 AV	54.0	-5.5	1.26 V	30	50.7	-2.2
3	*2437.00	107.5 PK			1.26 V	30	109.7	-2.2
4	*2437.00	97.6 AV			1.26 V	30	99.8	-2.2
5	2483.50	65.4 PK	74.0	-8.6	1.26 V	30	67.6	-2.2
6	2483.50	49.2 AV	54.0	-4.8	1.26 V	30	51.4	-2.2
7	4874.00	44.3 PK	74.0	-29.7	1.64 V	351	42.4	1.9
8	4874.00	35.1 AV	54.0	-18.9	1.64 V	351	33.2	1.9
9	7311.00	47.8 PK	74.0	-26.2	1.50 V	291	39.9	7.9
10	7311.00	37.2 AV	54.0	-16.8	1.50 V	291	29.3	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

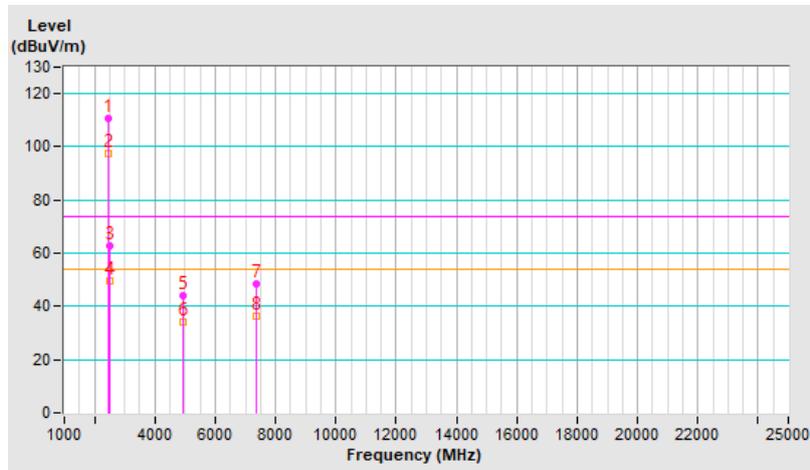


RF Mode	802.11ax (HE20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	110.5 PK			1.45 H	29	112.6	-2.1
2	*2462.00	97.4 AV			1.45 H	29	99.5	-2.1
3	2483.50	62.9 PK	74.0	-11.1	1.45 H	29	65.1	-2.2
4	2483.50	49.7 AV	54.0	-4.3	1.45 H	29	51.9	-2.2
5	4924.00	44.2 PK	74.0	-29.8	2.66 H	15	42.2	2.0
6	4924.00	34.1 AV	54.0	-19.9	2.66 H	15	32.1	2.0
7	7386.00	48.2 PK	74.0	-25.8	1.46 H	35	40.4	7.8
8	7386.00	36.1 AV	54.0	-17.9	1.46 H	35	28.3	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

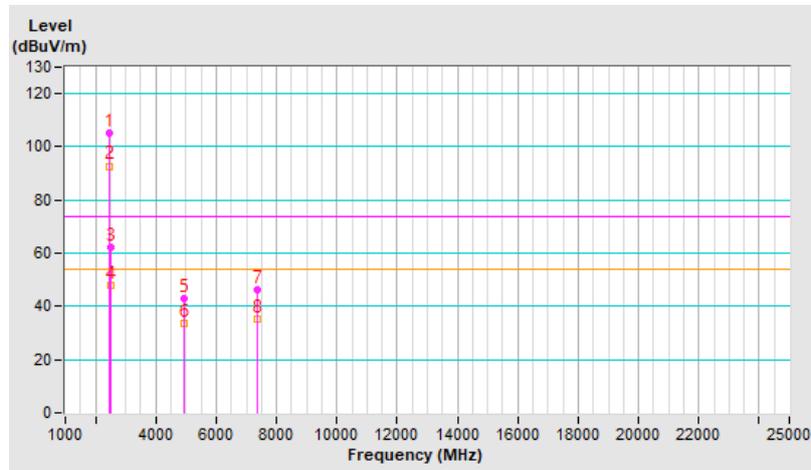


RF Mode	802.11ax (HE20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	105.0 PK			1.24 V	43	107.1	-2.1
2	*2462.00	92.8 AV			1.24 V	43	94.9	-2.1
3	2483.50	62.4 PK	74.0	-11.6	1.24 V	43	64.6	-2.2
4	2483.50	48.0 AV	54.0	-6.0	1.24 V	43	50.2	-2.2
5	4924.00	43.1 PK	74.0	-30.9	1.66 V	360	41.1	2.0
6	4924.00	33.8 AV	54.0	-20.2	1.66 V	360	31.8	2.0
7	7386.00	46.5 PK	74.0	-27.5	1.52 V	303	38.7	7.8
8	7386.00	35.2 AV	54.0	-18.8	1.52 V	303	27.4	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

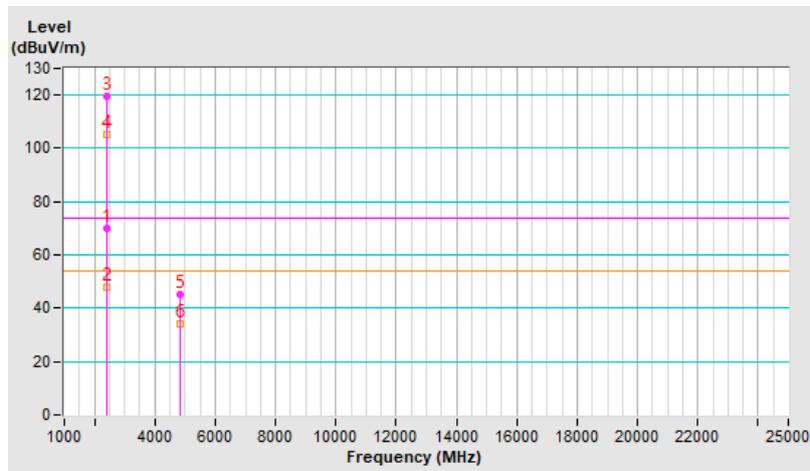


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.9 PK	74.0	-4.1	1.03 H	31	72.1	-2.2
2	2390.00	48.0 AV	54.0	-6.0	1.03 H	31	50.2	-2.2
3	*2412.00	119.6 PK			1.03 H	31	121.9	-2.3
4	*2412.00	105.4 AV			1.03 H	31	107.7	-2.3
5	4824.00	45.2 PK	74.0	-28.8	2.65 H	23	43.2	2.0
6	4824.00	34.3 AV	54.0	-19.7	2.65 H	23	32.3	2.0

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, the limit was restricted at the RF Output Power.

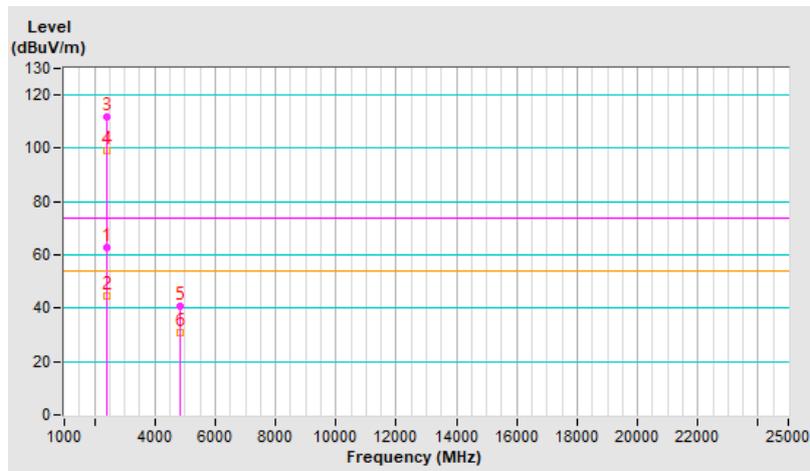


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.0 PK	74.0	-11.0	1.60 V	25	65.2	-2.2
2	2390.00	44.7 AV	54.0	-9.3	1.60 V	25	46.9	-2.2
3	*2412.00	111.8 PK			1.60 V	25	114.1	-2.3
4	*2412.00	99.0 AV			1.60 V	25	101.3	-2.3
5	4824.00	40.5 PK	74.0	-33.5	1.44 V	332	38.5	2.0
6	4824.00	31.0 AV	54.0	-23.0	1.44 V	332	29.0	2.0

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, the limit was restricted at the RF Output Power.

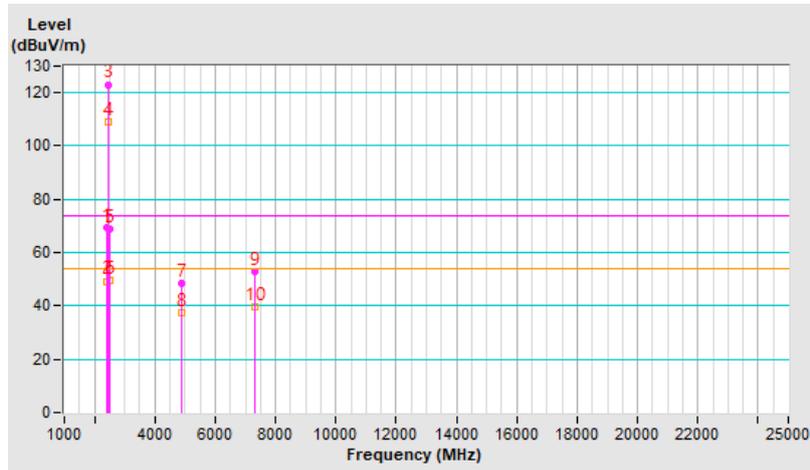


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.5 PK	74.0	-4.5	1.00 H	33	71.7	-2.2
2	2390.00	49.3 AV	54.0	-4.7	1.00 H	33	51.5	-2.2
3	*2437.00	123.1 PK			1.00 H	33	125.3	-2.2
4	*2437.00	109.2 AV			1.00 H	33	111.4	-2.2
5	2483.50	68.7 PK	74.0	-5.3	1.00 H	33	70.9	-2.2
6	2483.50	49.5 AV	54.0	-4.5	1.00 H	33	51.7	-2.2
7	4874.00	48.2 PK	74.0	-25.8	1.49 H	13	46.3	1.9
8	4874.00	37.5 AV	54.0	-16.5	1.49 H	13	35.6	1.9
9	7311.00	52.8 PK	74.0	-21.2	1.53 H	51	44.9	7.9
10	7311.00	39.7 AV	54.0	-14.3	1.53 H	51	31.8	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

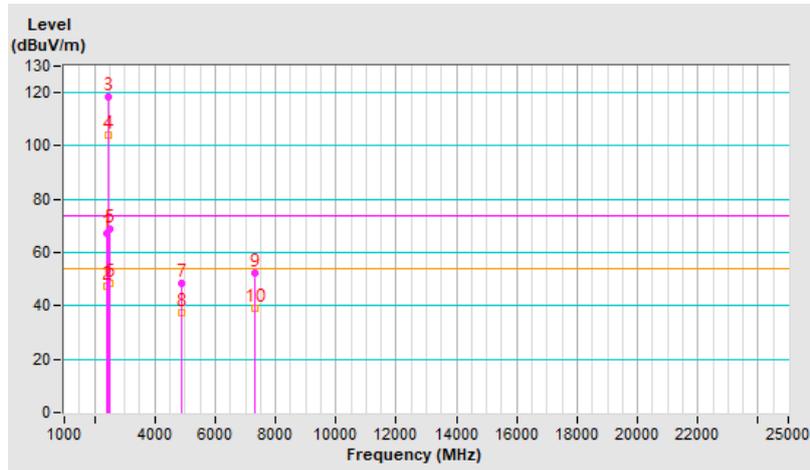


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	67.2 PK	74.0	-6.8	1.75 V	25	69.4	-2.2
2	2390.00	47.3 AV	54.0	-6.7	1.75 V	25	49.5	-2.2
3	*2437.00	118.3 PK			1.75 V	25	120.5	-2.2
4	*2437.00	104.1 AV			1.75 V	25	106.3	-2.2
5	2483.50	68.7 PK	74.0	-5.3	1.75 V	25	70.9	-2.2
6	2483.50	48.2 AV	54.0	-5.8	1.75 V	25	50.4	-2.2
7	4874.00	48.4 PK	74.0	-25.6	1.56 V	353	46.5	1.9
8	4874.00	37.6 AV	54.0	-16.4	1.56 V	353	35.7	1.9
9	7311.00	52.4 PK	74.0	-21.6	1.34 V	270	44.5	7.9
10	7311.00	39.3 AV	54.0	-14.7	1.34 V	270	31.4	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

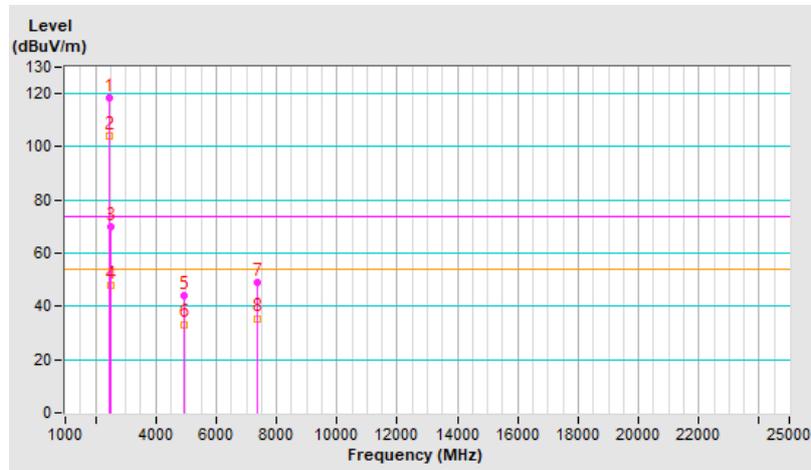


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	118.6 PK			1.11 H	38	120.7	-2.1
2	*2462.00	104.2 AV			1.11 H	38	106.3	-2.1
3	2483.50	69.7 PK	74.0	-4.3	1.11 H	38	71.9	-2.2
4	2483.50	48.0 AV	54.0	-6.0	1.11 H	38	50.2	-2.2
5	4924.00	43.9 PK	74.0	-30.1	1.48 H	0	41.9	2.0
6	4924.00	33.3 AV	54.0	-20.7	1.48 H	0	31.3	2.0
7	7386.00	49.1 PK	74.0	-24.9	1.52 H	60	41.3	7.8
8	7386.00	35.5 AV	54.0	-18.5	1.52 H	60	27.7	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

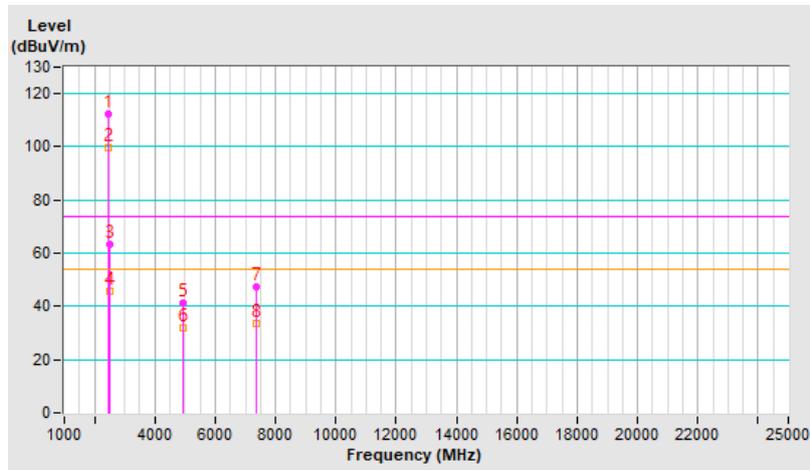


RF Mode	802.11ax (HE20) 26-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	112.1 PK			1.56 V	45	114.2	-2.1
2	*2462.00	99.9 AV			1.56 V	45	102.0	-2.1
3	2483.50	63.3 PK	74.0	-10.7	1.56 V	45	65.5	-2.2
4	2483.50	45.5 AV	54.0	-8.5	1.56 V	45	47.7	-2.2
5	4924.00	41.2 PK	74.0	-32.8	1.50 V	336	39.2	2.0
6	4924.00	31.7 AV	54.0	-22.3	1.50 V	336	29.7	2.0
7	7386.00	47.4 PK	74.0	-26.6	1.30 V	271	39.6	7.8
8	7386.00	33.8 AV	54.0	-20.2	1.30 V	271	26.0	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

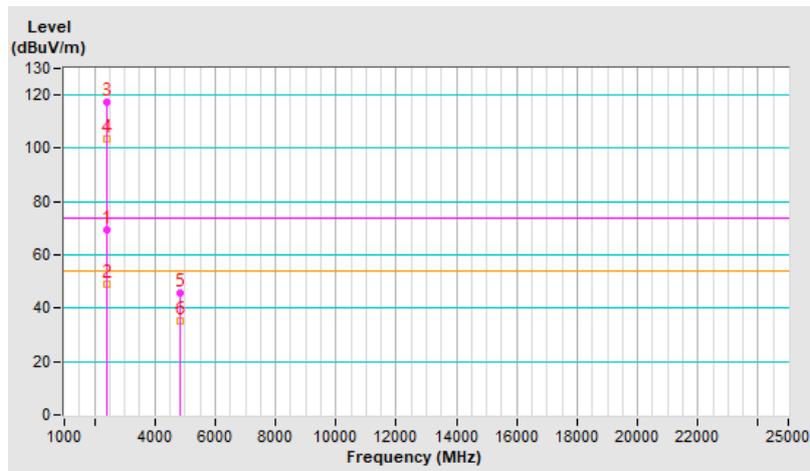


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.6 PK	74.0	-4.4	1.23 H	29	71.8	-2.2
2	2390.00	49.0 AV	54.0	-5.0	1.23 H	29	51.2	-2.2
3	*2412.00	117.4 PK			1.23 H	29	119.7	-2.3
4	*2412.00	103.7 AV			1.23 H	29	106.0	-2.3
5	4824.00	45.8 PK	74.0	-28.2	2.62 H	21	43.8	2.0
6	4824.00	35.0 AV	54.0	-19.0	2.62 H	21	33.0	2.0

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, the limit was restricted at the RF Output Power.

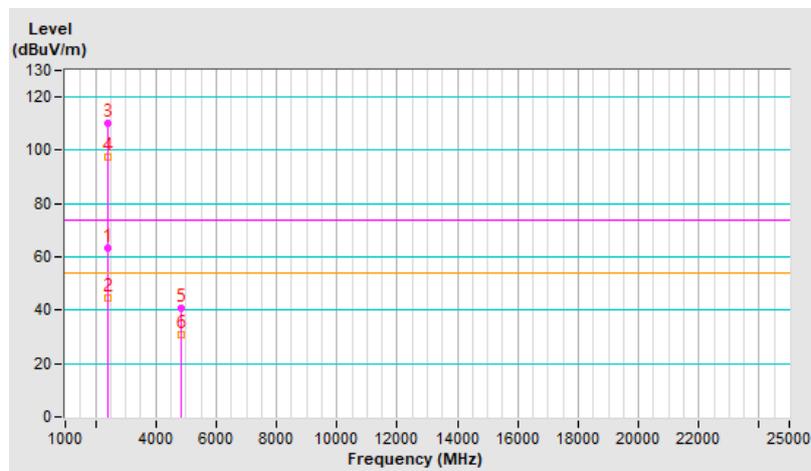


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.4 PK	74.0	-10.6	1.62 V	47	65.6	-2.2
2	2390.00	44.8 AV	54.0	-9.2	1.62 V	47	47.0	-2.2
3	*2412.00	110.2 PK			1.62 V	47	112.5	-2.3
4	*2412.00	97.6 AV			1.62 V	47	99.9	-2.3
5	4824.00	40.6 PK	74.0	-33.4	1.47 V	343	38.6	2.0
6	4824.00	30.9 AV	54.0	-23.1	1.47 V	343	28.9	2.0

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, the limit was restricted at the RF Output Power.

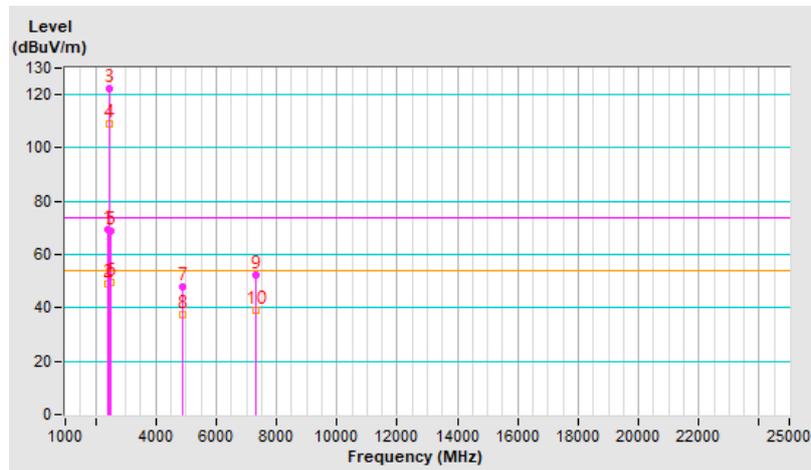


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.6 PK	74.0	-4.4	1.00 H	22	71.8	-2.2
2	2390.00	49.1 AV	54.0	-4.9	1.00 H	22	51.3	-2.2
3	*2437.00	122.5 PK			1.04 H	28	124.7	-2.2
4	*2437.00	108.9 AV			1.04 H	28	111.1	-2.2
5	2483.50	68.6 PK	74.0	-5.4	1.00 H	47	70.8	-2.2
6	2483.50	49.5 AV	54.0	-4.5	1.00 H	47	51.7	-2.2
7	4874.00	47.7 PK	74.0	-26.3	1.56 H	8	45.8	1.9
8	4874.00	37.2 AV	54.0	-16.8	1.56 H	8	35.3	1.9
9	7311.00	52.2 PK	74.0	-21.8	1.56 H	60	44.3	7.9
10	7311.00	39.2 AV	54.0	-14.8	1.56 H	60	31.3	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

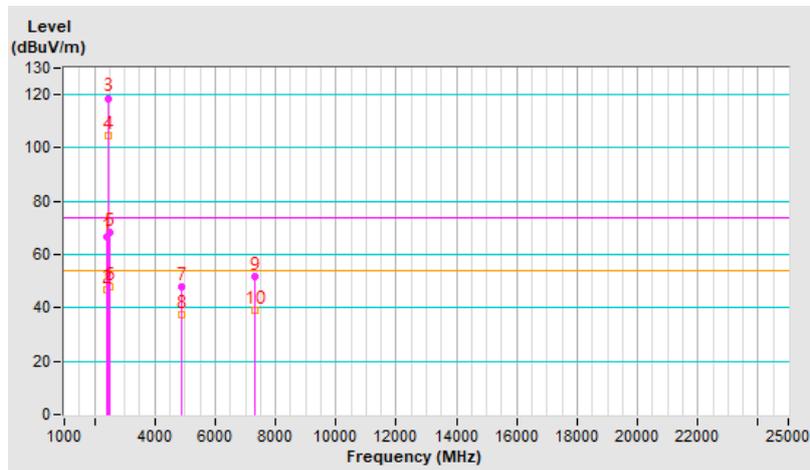


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.7 PK	74.0	-7.3	1.73 V	16	68.9	-2.2
2	2390.00	46.9 AV	54.0	-7.1	1.73 V	16	49.1	-2.2
3	*2437.00	118.7 PK			1.73 V	16	120.9	-2.2
4	*2437.00	104.4 AV			1.73 V	16	106.6	-2.2
5	2483.50	68.4 PK	74.0	-5.6	1.73 V	16	70.6	-2.2
6	2483.50	48.1 AV	54.0	-5.9	1.73 V	16	50.3	-2.2
7	4874.00	48.0 PK	74.0	-26.0	1.54 V	348	46.1	1.9
8	4874.00	37.6 AV	54.0	-16.4	1.54 V	348	35.7	1.9
9	7311.00	51.8 PK	74.0	-22.2	1.26 V	293	43.9	7.9
10	7311.00	39.1 AV	54.0	-14.9	1.26 V	293	31.2	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

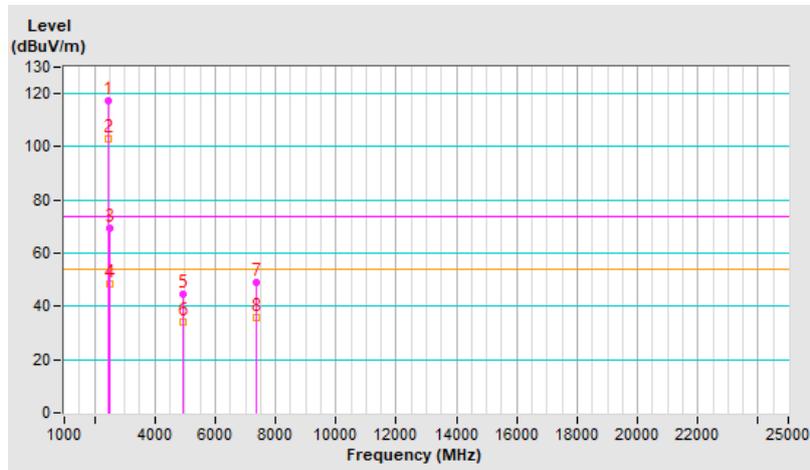


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	117.5 PK			1.00 H	30	119.6	-2.1
2	*2462.00	102.9 AV			1.00 H	30	105.0	-2.1
3	2483.50	69.6 PK	74.0	-4.4	1.00 H	30	71.8	-2.2
4	2483.50	48.3 AV	54.0	-5.7	1.00 H	30	50.5	-2.2
5	4924.00	44.4 PK	74.0	-29.6	1.55 H	10	42.4	2.0
6	4924.00	33.9 AV	54.0	-20.1	1.55 H	10	31.9	2.0
7	7386.00	49.1 PK	74.0	-24.9	1.54 H	62	41.3	7.8
8	7386.00	35.6 AV	54.0	-18.4	1.54 H	62	27.8	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

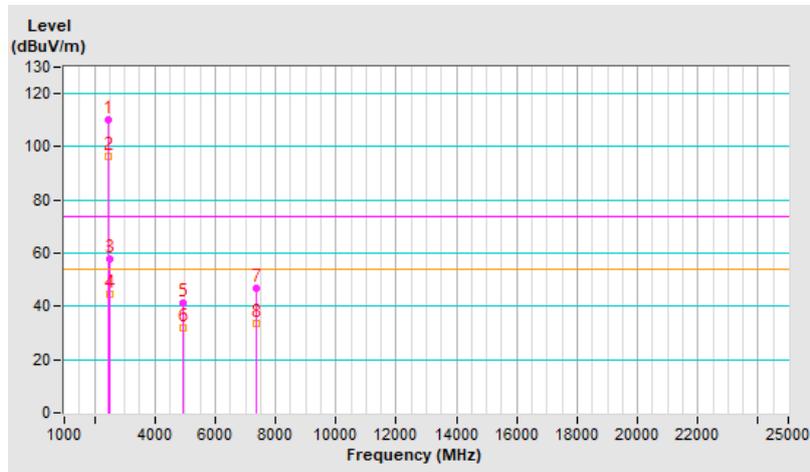


RF Mode	802.11ax (HE20) 52-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	110.2 PK			1.60 V	45	112.3	-2.1
2	*2462.00	96.6 AV			1.60 V	45	98.7	-2.1
3	2483.50	57.9 PK	74.0	-16.1	1.60 V	45	60.1	-2.2
4	2483.50	44.8 AV	54.0	-9.2	1.60 V	45	47.0	-2.2
5	4924.00	41.2 PK	74.0	-32.8	1.44 V	345	39.2	2.0
6	4924.00	31.9 AV	54.0	-22.1	1.44 V	345	29.9	2.0
7	7386.00	46.8 PK	74.0	-27.2	1.33 V	300	39.0	7.8
8	7386.00	33.4 AV	54.0	-20.6	1.33 V	300	25.6	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

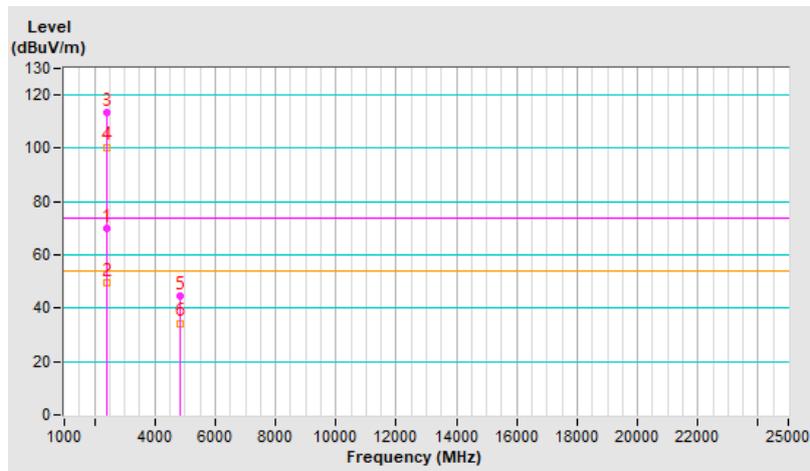


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.8 PK	74.0	-4.2	1.01 H	29	72.0	-2.2
2	2390.00	49.7 AV	54.0	-4.3	1.01 H	29	51.9	-2.2
3	*2412.00	113.5 PK			1.01 H	29	115.8	-2.3
4	*2412.00	100.5 AV			1.01 H	29	102.8	-2.3
5	4824.00	44.8 PK	74.0	-29.2	2.61 H	24	42.8	2.0
6	4824.00	34.4 AV	54.0	-19.6	2.61 H	24	32.4	2.0

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, the limit was restricted at the RF Output Power.

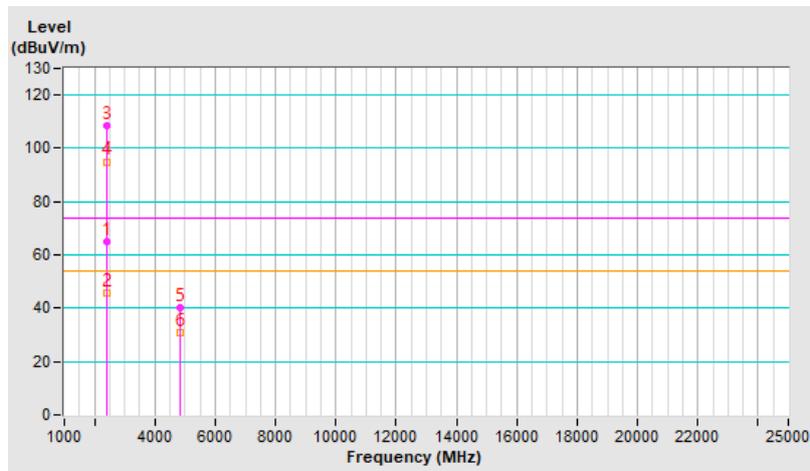


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.0 PK	74.0	-9.0	2.04 V	41	67.2	-2.2
2	2390.00	45.9 AV	54.0	-8.1	2.04 V	41	48.1	-2.2
3	*2412.00	108.3 PK			2.04 V	41	110.6	-2.3
4	*2412.00	95.0 AV			2.04 V	41	97.3	-2.3
5	4824.00	40.2 PK	74.0	-33.8	1.43 V	333	38.2	2.0
6	4824.00	30.7 AV	54.0	-23.3	1.43 V	333	28.7	2.0

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, the limit was restricted at the RF Output Power.

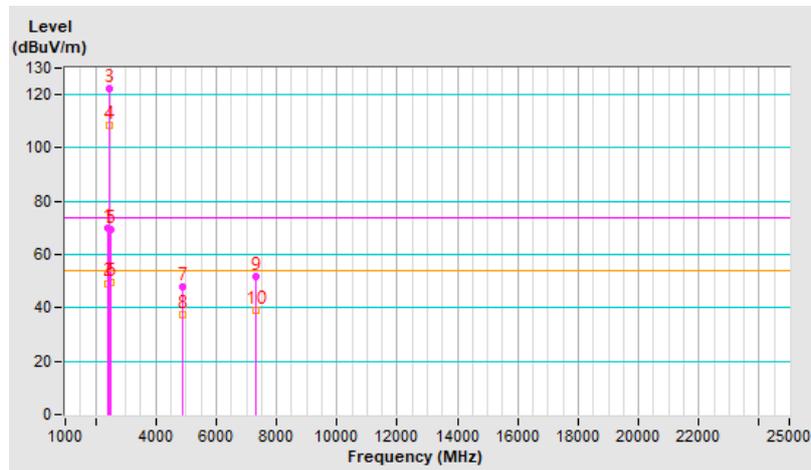


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.7 PK	74.0	-4.3	1.03 H	33	71.9	-2.2
2	2390.00	49.3 AV	54.0	-4.7	1.03 H	33	51.5	-2.2
3	*2437.00	122.4 PK			1.03 H	33	124.6	-2.2
4	*2437.00	108.7 AV			1.03 H	33	110.9	-2.2
5	2483.50	69.2 PK	74.0	-4.8	1.03 H	33	71.4	-2.2
6	2483.50	49.8 AV	54.0	-4.2	1.03 H	33	52.0	-2.2
7	4874.00	47.9 PK	74.0	-26.1	1.51 H	13	46.0	1.9
8	4874.00	37.5 AV	54.0	-16.5	1.51 H	13	35.6	1.9
9	7311.00	51.8 PK	74.0	-22.2	1.45 H	54	43.9	7.9
10	7311.00	39.2 AV	54.0	-14.8	1.45 H	54	31.3	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

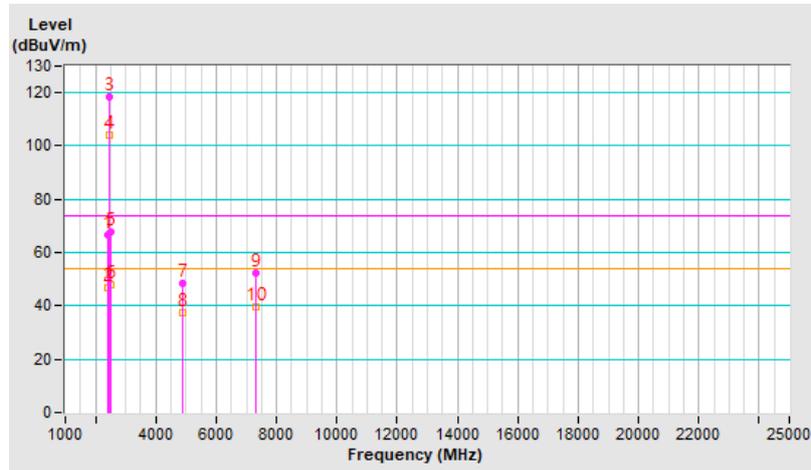


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.7 PK	74.0	-7.3	1.77 V	10	68.9	-2.2
2	2390.00	46.8 AV	54.0	-7.2	1.77 V	10	49.0	-2.2
3	*2437.00	118.2 PK			1.77 V	10	120.4	-2.2
4	*2437.00	103.9 AV			1.77 V	10	106.1	-2.2
5	2483.50	67.7 PK	74.0	-6.3	1.77 V	10	69.9	-2.2
6	2483.50	47.7 AV	54.0	-6.3	1.77 V	10	49.9	-2.2
7	4874.00	48.3 PK	74.0	-25.7	1.55 V	343	46.4	1.9
8	4874.00	37.6 AV	54.0	-16.4	1.55 V	343	35.7	1.9
9	7311.00	52.4 PK	74.0	-21.6	1.34 V	299	44.5	7.9
10	7311.00	39.7 AV	54.0	-14.3	1.34 V	299	31.8	7.9

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

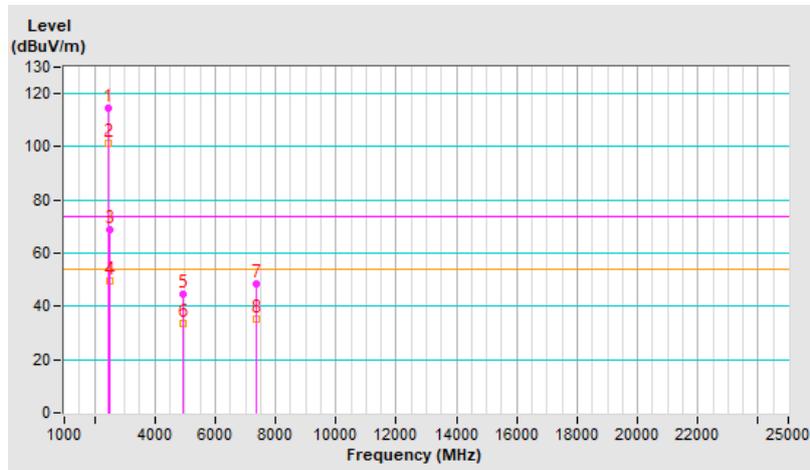


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	114.6 PK			1.03 H	31	116.7	-2.1
2	*2462.00	101.4 AV			1.03 H	31	103.5	-2.1
3	2483.50	68.7 PK	74.0	-5.3	1.03 H	31	70.9	-2.2
4	2483.50	49.7 AV	54.0	-4.3	1.03 H	31	51.9	-2.2
5	4924.00	44.6 PK	74.0	-29.4	1.46 H	11	42.6	2.0
6	4924.00	33.8 AV	54.0	-20.2	1.46 H	11	31.8	2.0
7	7386.00	48.7 PK	74.0	-25.3	1.48 H	48	40.9	7.8
8	7386.00	35.3 AV	54.0	-18.7	1.48 H	48	27.5	7.8

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.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.

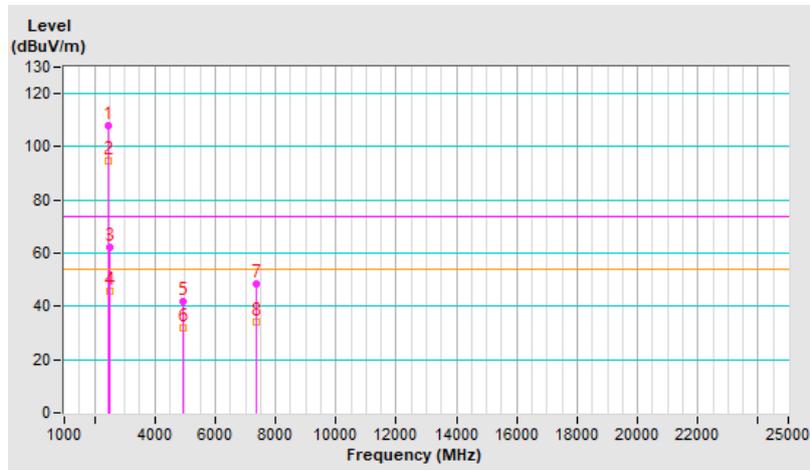


RF Mode	802.11ax (HE20) 106-tone RU	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	28°C, 75% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	108.1 PK			2.05 V	40	110.2	-2.1
2	*2462.00	94.5 AV			2.05 V	40	96.6	-2.1
3	2483.50	62.3 PK	74.0	-11.7	2.05 V	40	64.5	-2.2
4	2483.50	45.8 AV	54.0	-8.2	2.05 V	40	48.0	-2.2
5	4924.00	41.7 PK	74.0	-32.3	1.46 V	338	39.7	2.0
6	4924.00	32.1 AV	54.0	-21.9	1.46 V	338	30.1	2.0
7	7386.00	48.2 PK	74.0	-25.8	1.29 V	287	40.4	7.8
8	7386.00	34.3 AV	54.0	-19.7	1.29 V	287	26.5	7.8

Remarks:

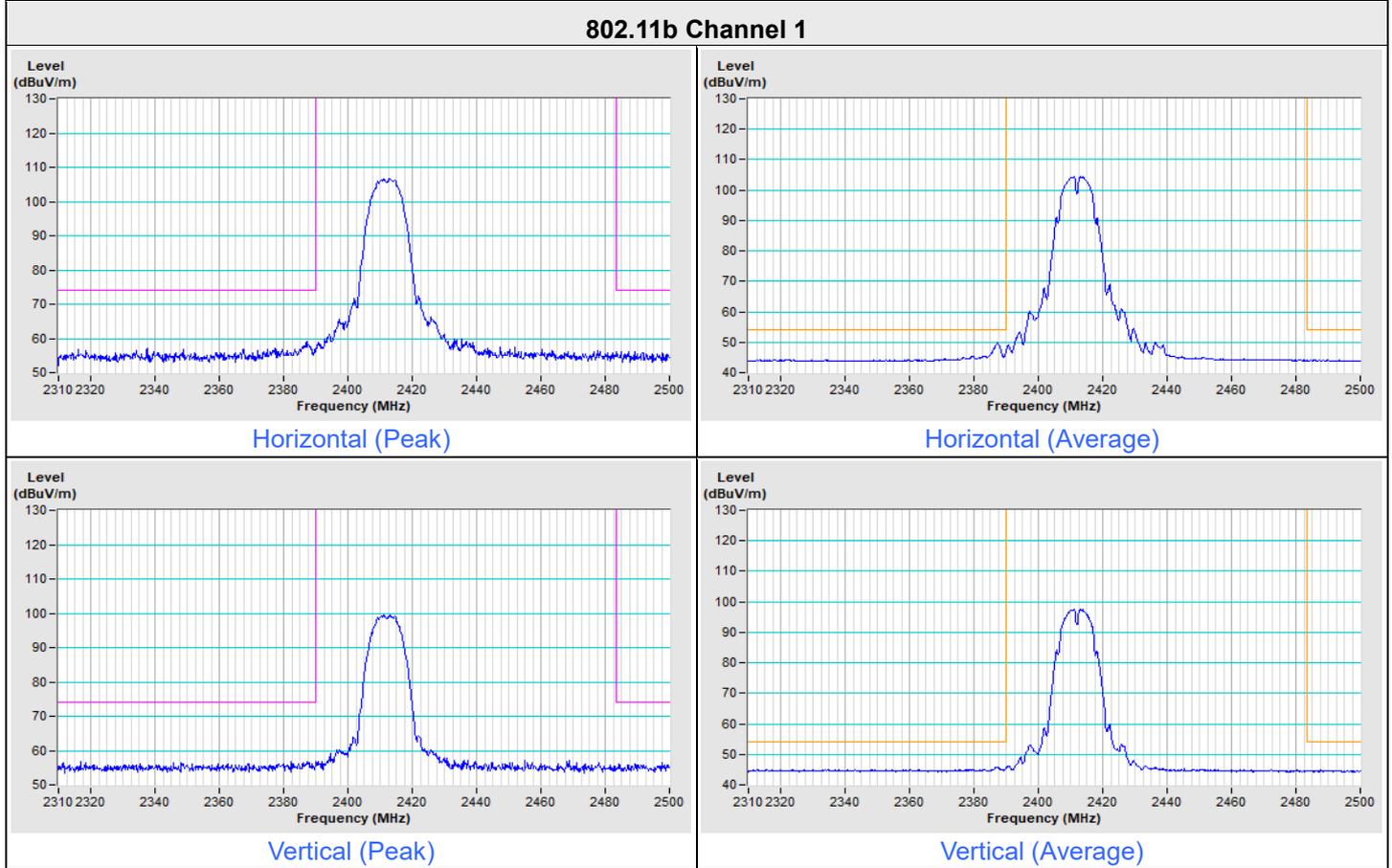
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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



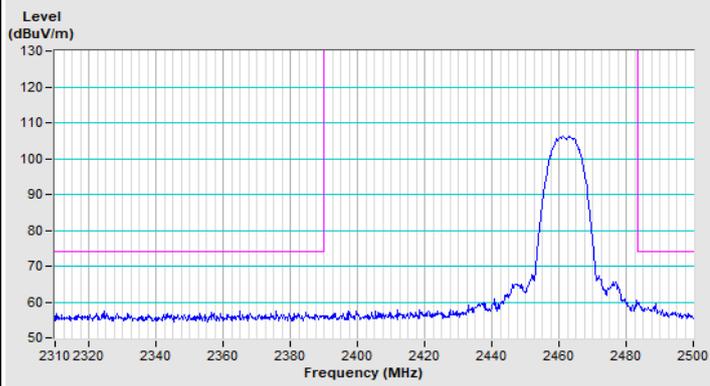
Plot of Band Edge

1Tx Chain0

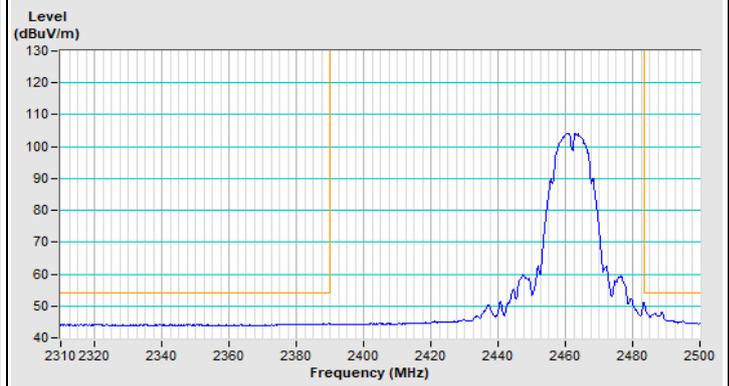
Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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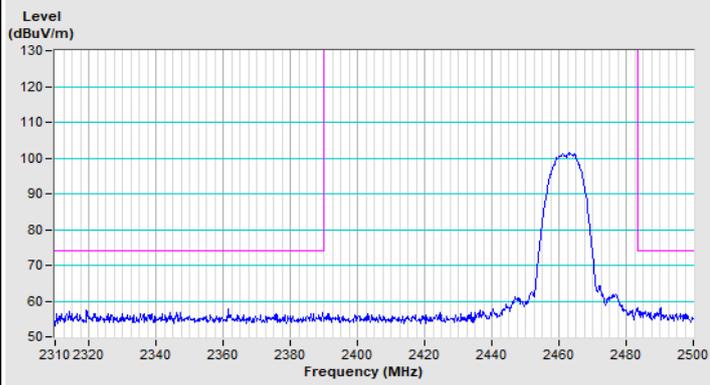
802.11b Channel 11



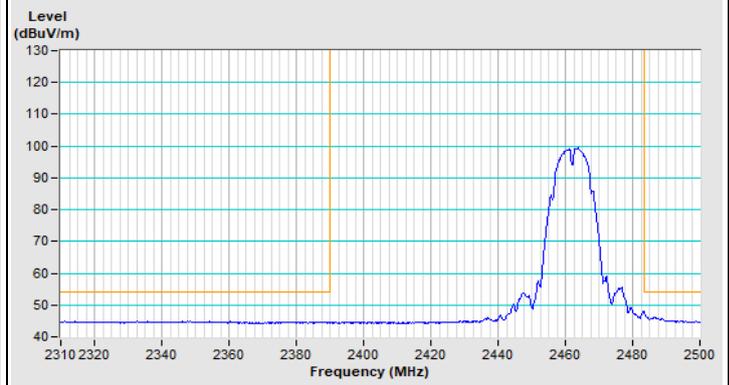
Horizontal (Peak)



Horizontal (Average)



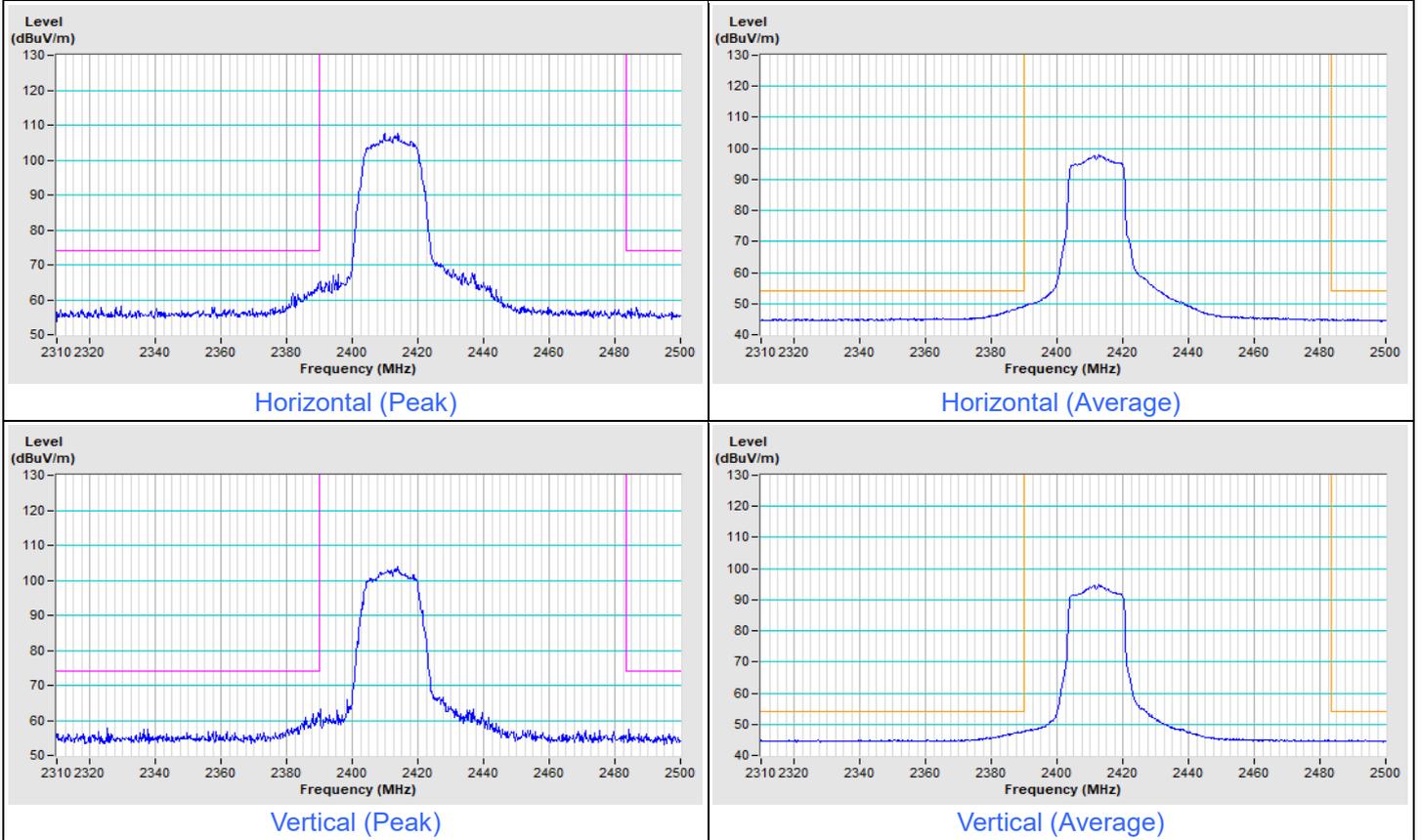
Vertical (Peak)



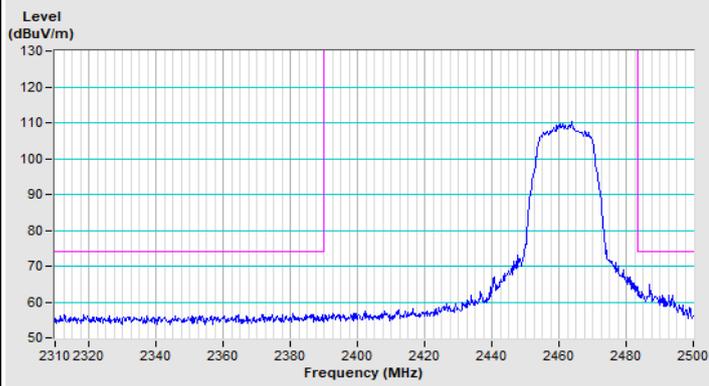
Vertical (Average)

Frequency Range	2.31 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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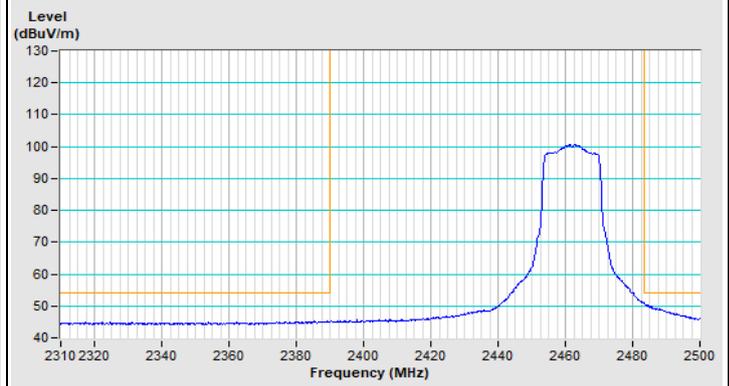
802.11g Channel 1



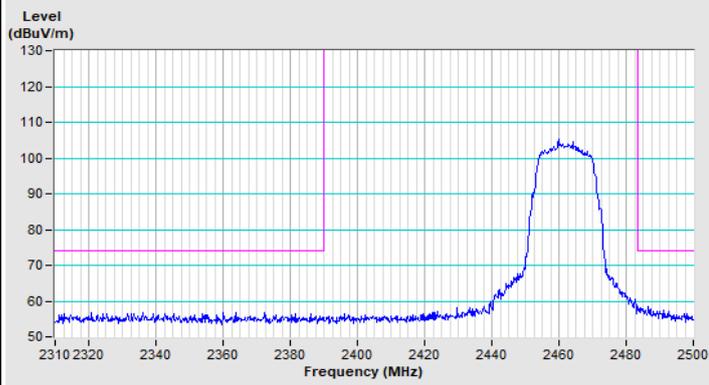
802.11g Channel 11



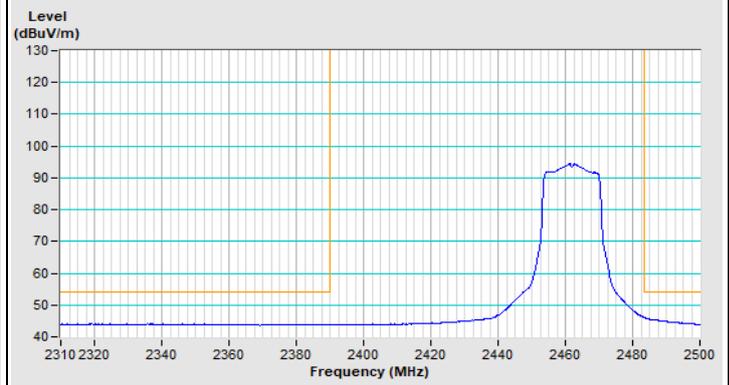
Horizontal (Peak)



Horizontal (Average)



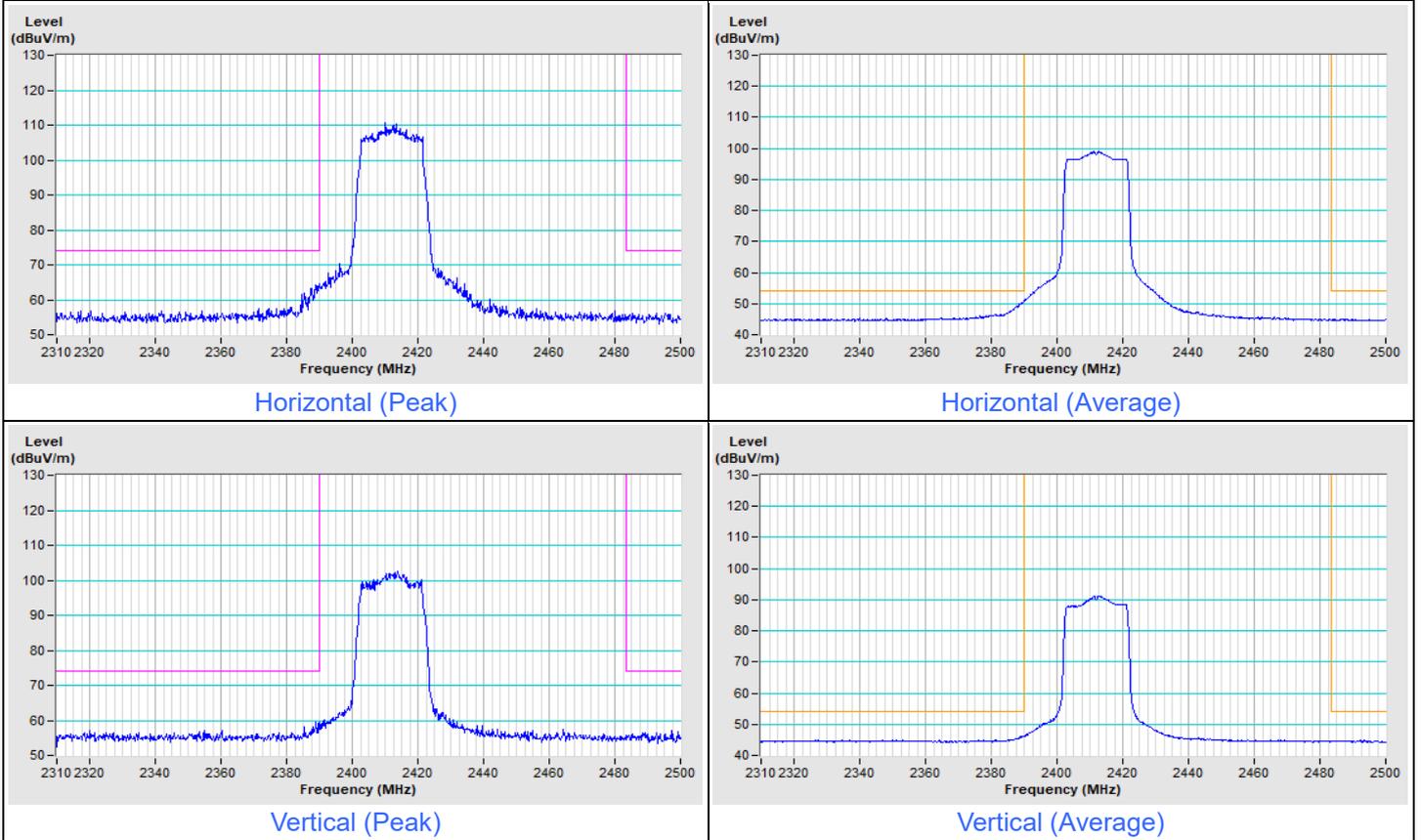
Vertical (Peak)



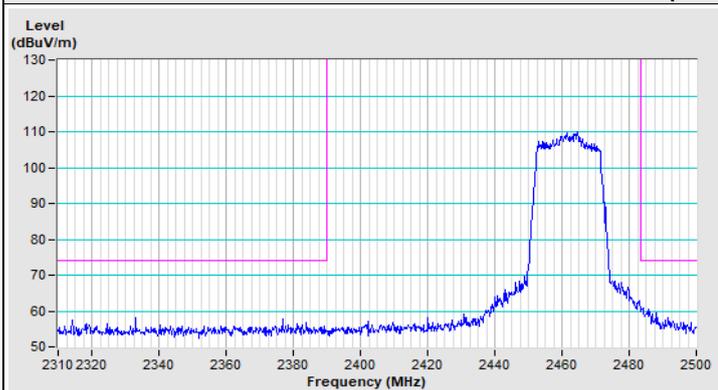
Vertical (Average)

Frequency Range	2.31 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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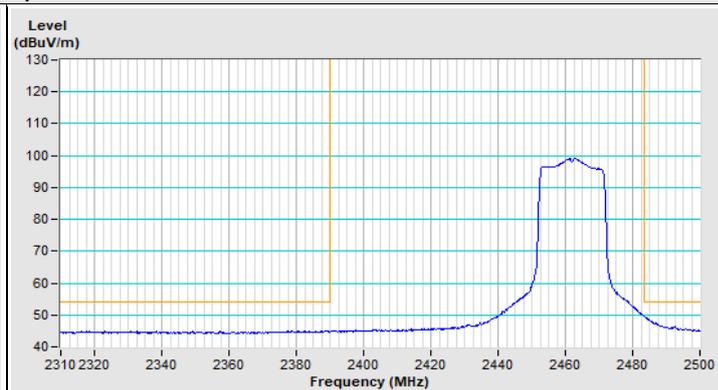
802.11ax (HE20) Channel 1



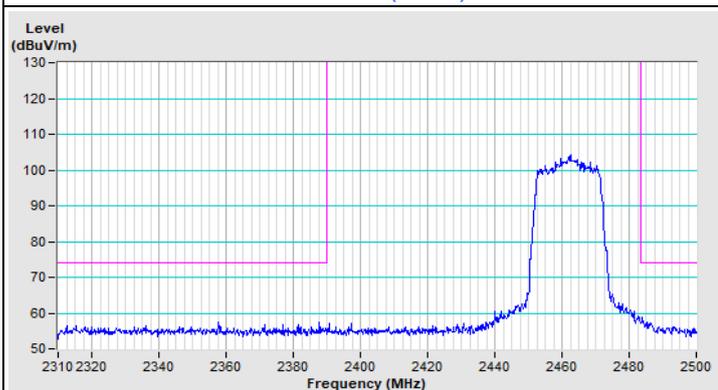
802.11ax (HE20) Channel 11



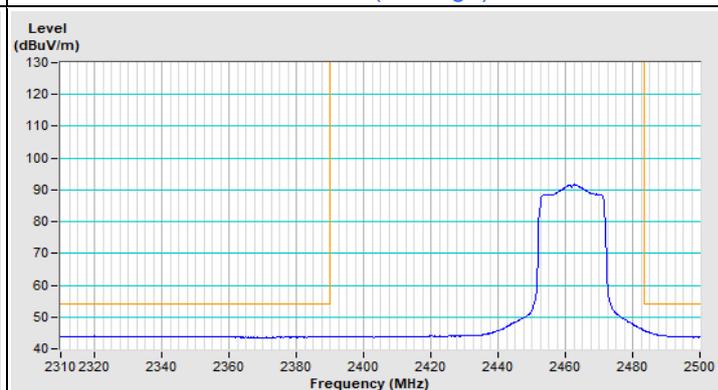
Horizontal (Peak)



Horizontal (Average)



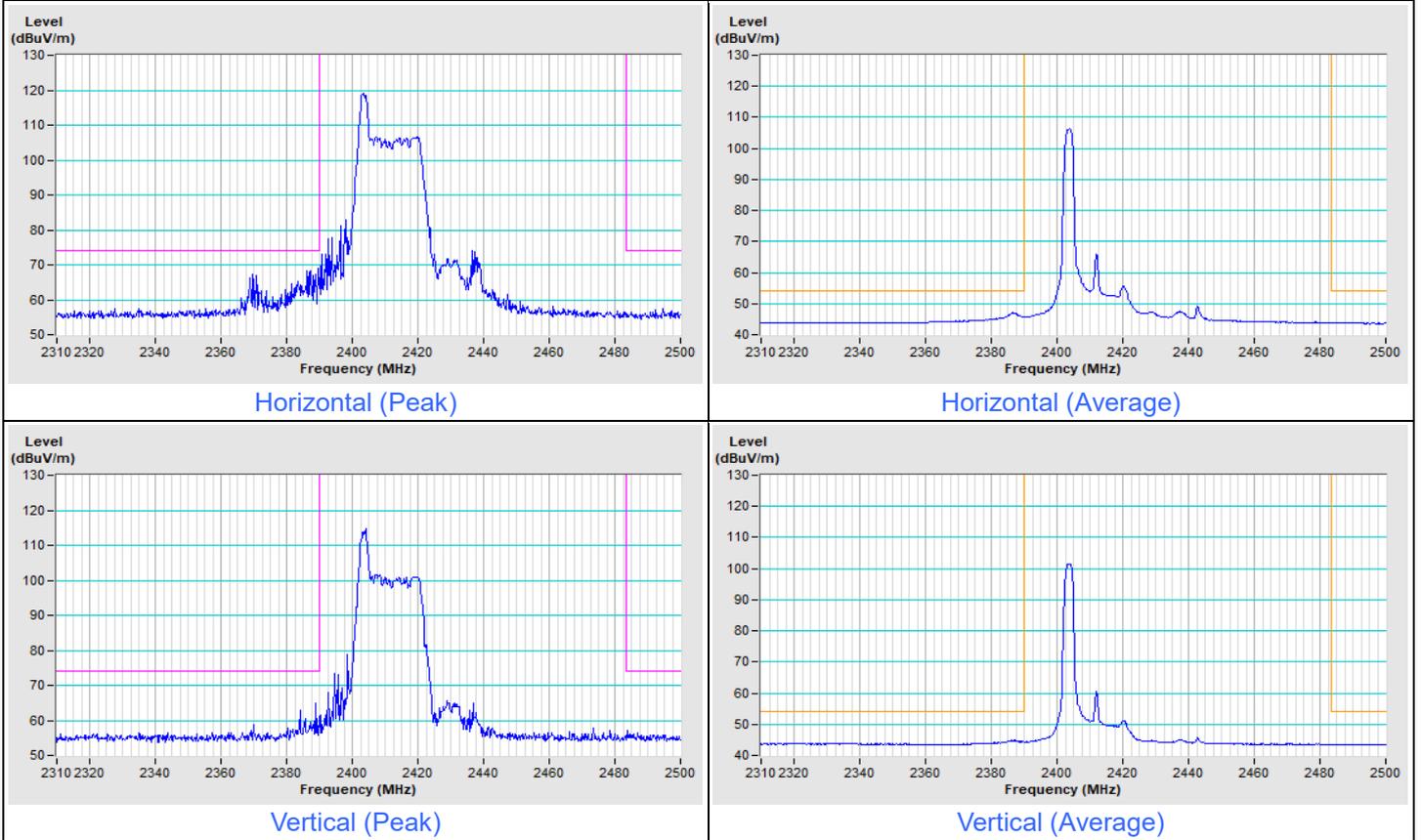
Vertical (Peak)



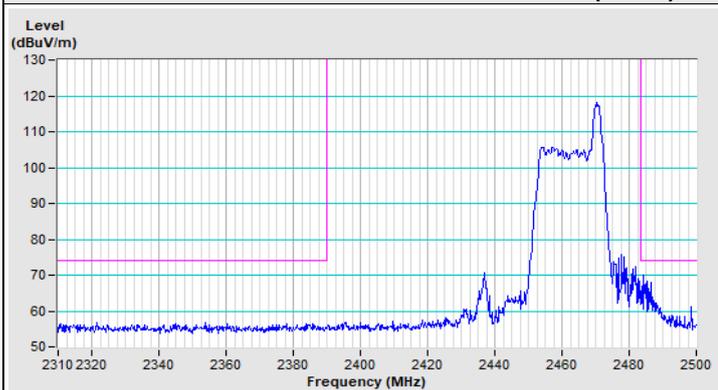
Vertical (Average)

Frequency Range	2.31 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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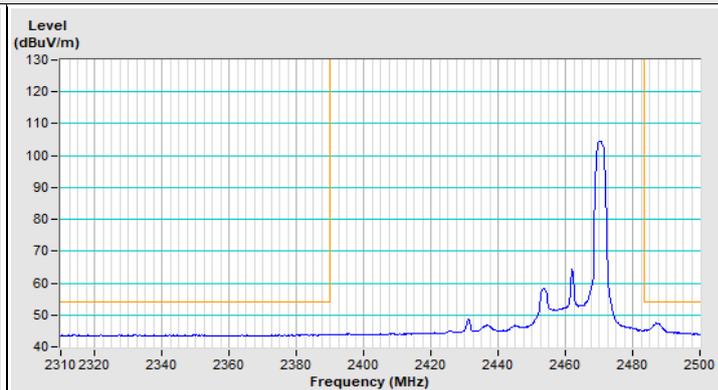
802.11ax (HE20) 26-tone RU Channel 1



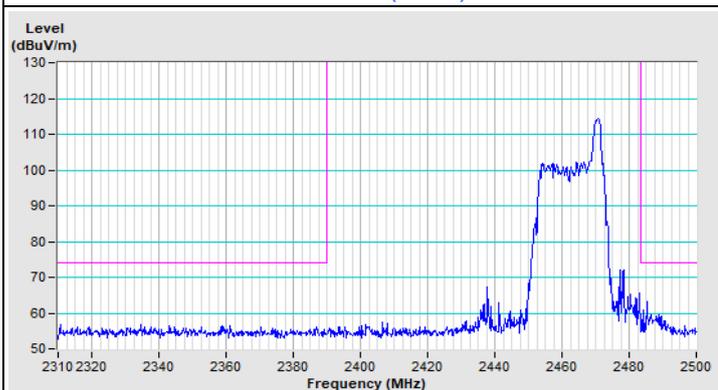
802.11ax (HE20) 26-tone RU Channel 11



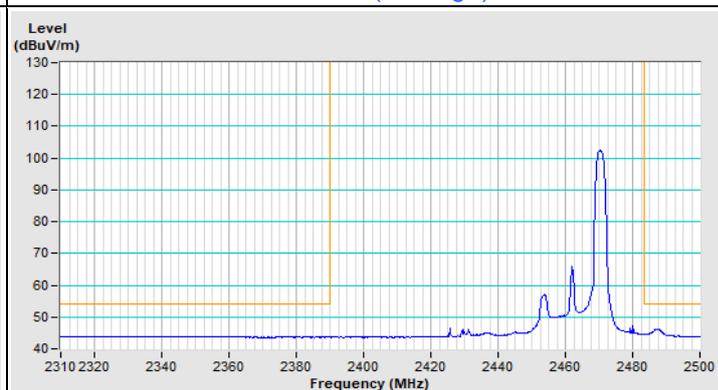
Horizontal (Peak)



Horizontal (Average)



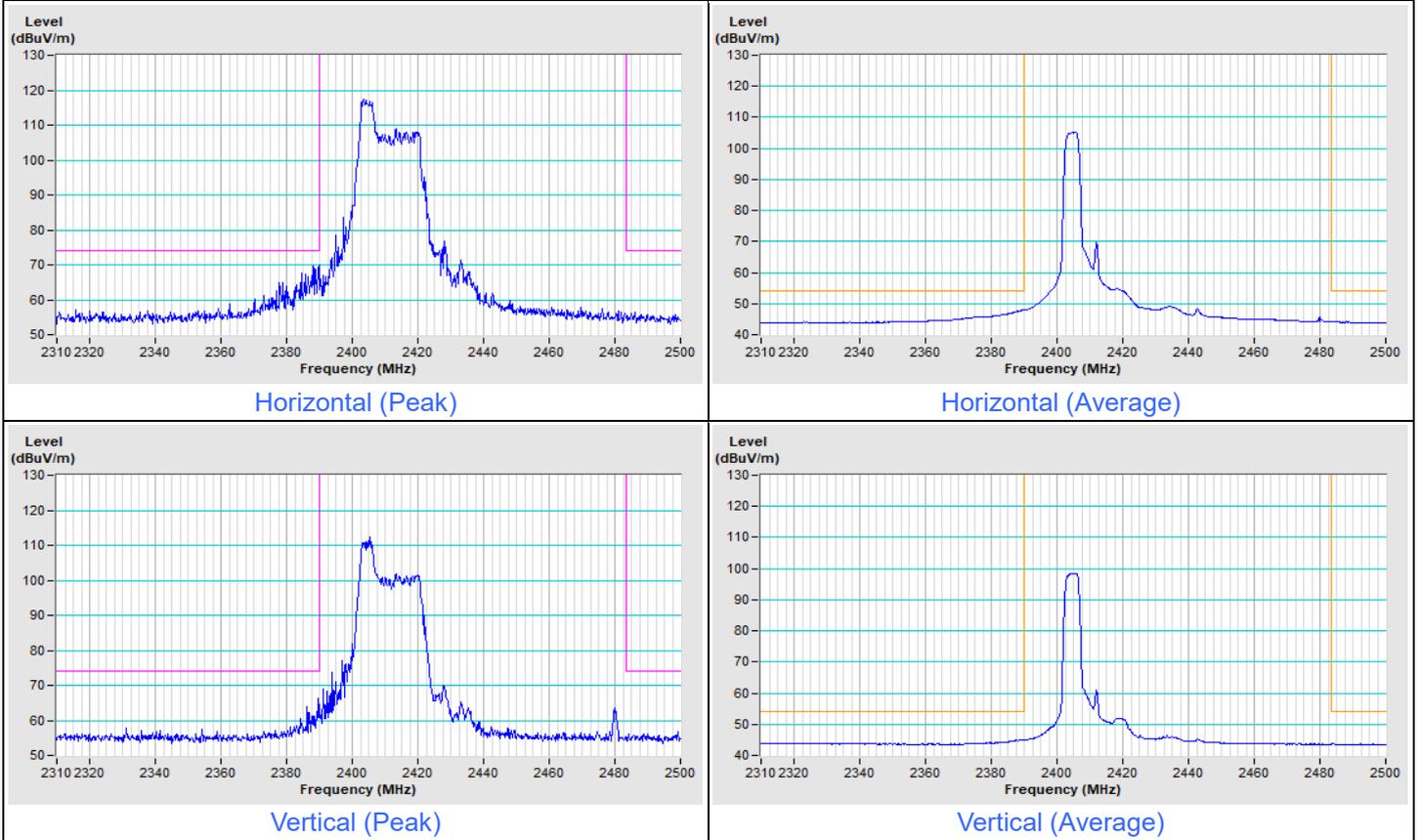
Vertical (Peak)



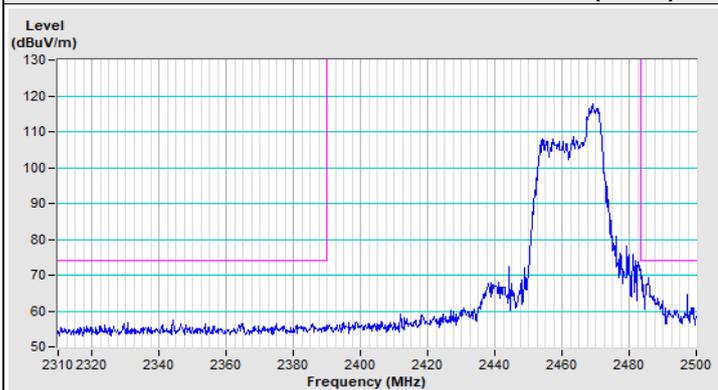
Vertical (Average)

Frequency Range	2.31 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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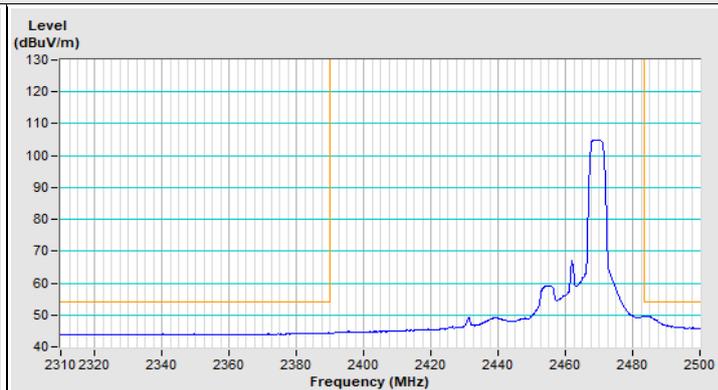
802.11ax (HE20) 52-tone RU Channel 1



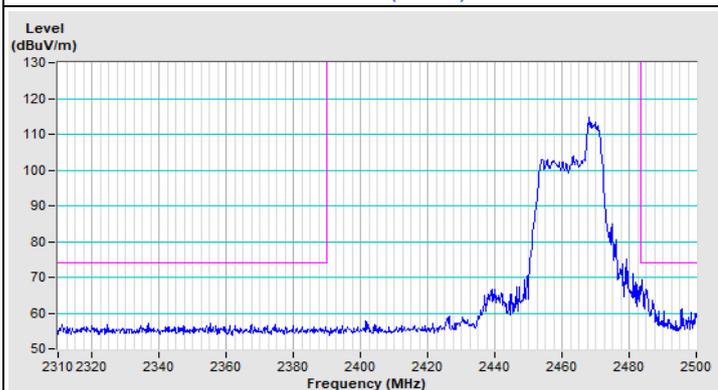
802.11ax (HE20) 52-tone RU Channel 11



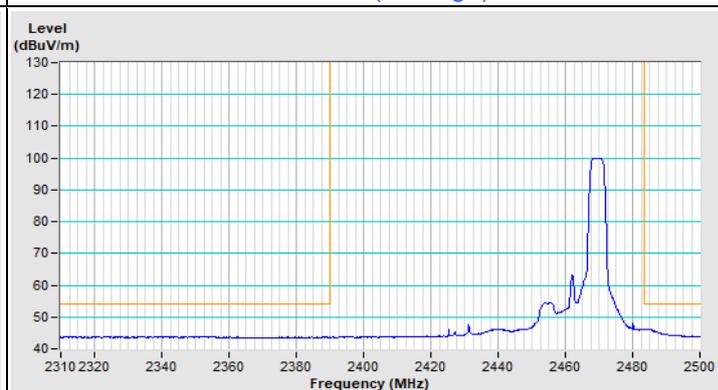
Horizontal (Peak)



Horizontal (Average)



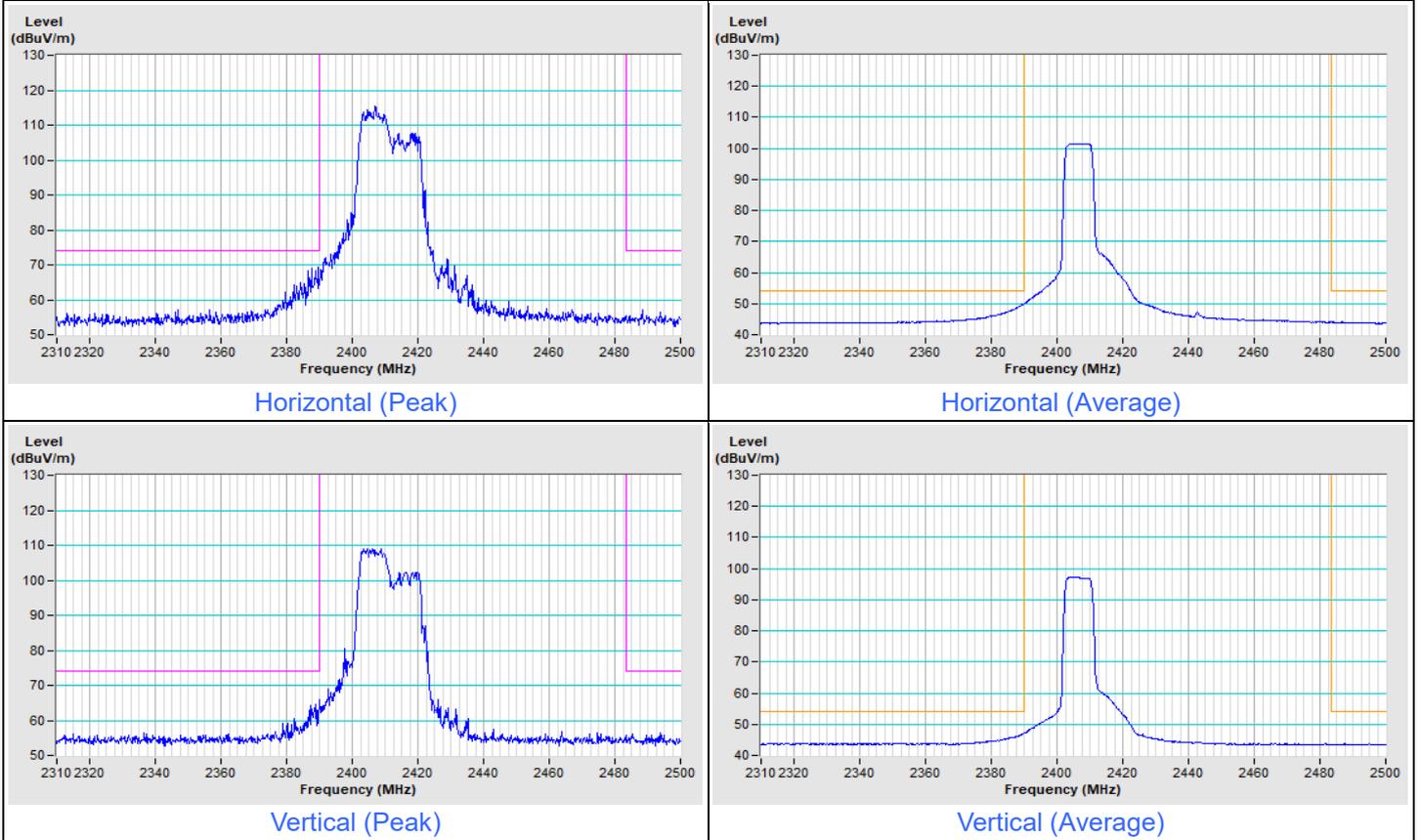
Vertical (Peak)



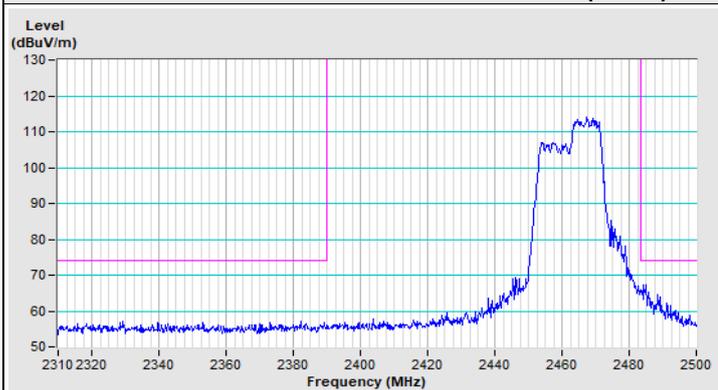
Vertical (Average)

Frequency Range	2.31 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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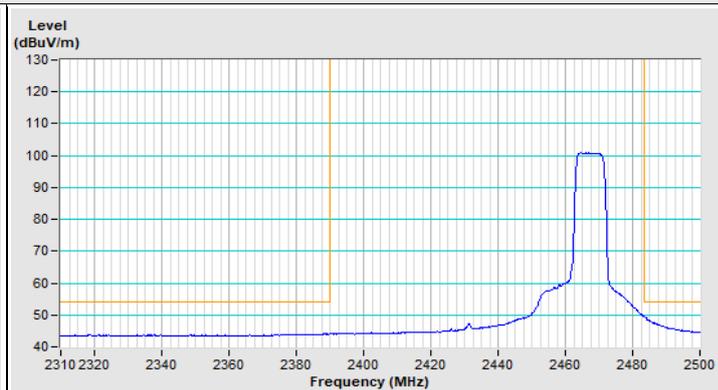
802.11ax (HE20) 106-tone RU Channel 1



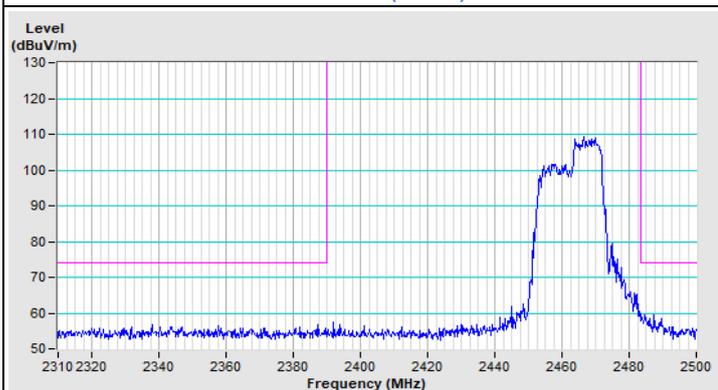
802.11ax (HE20) 106-tone RU Channel 11



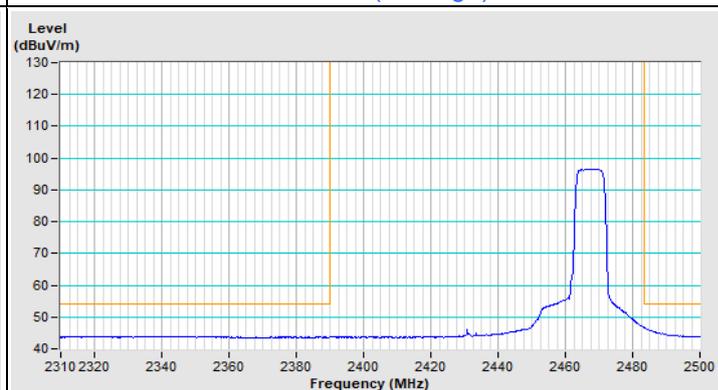
Horizontal (Peak)



Horizontal (Average)

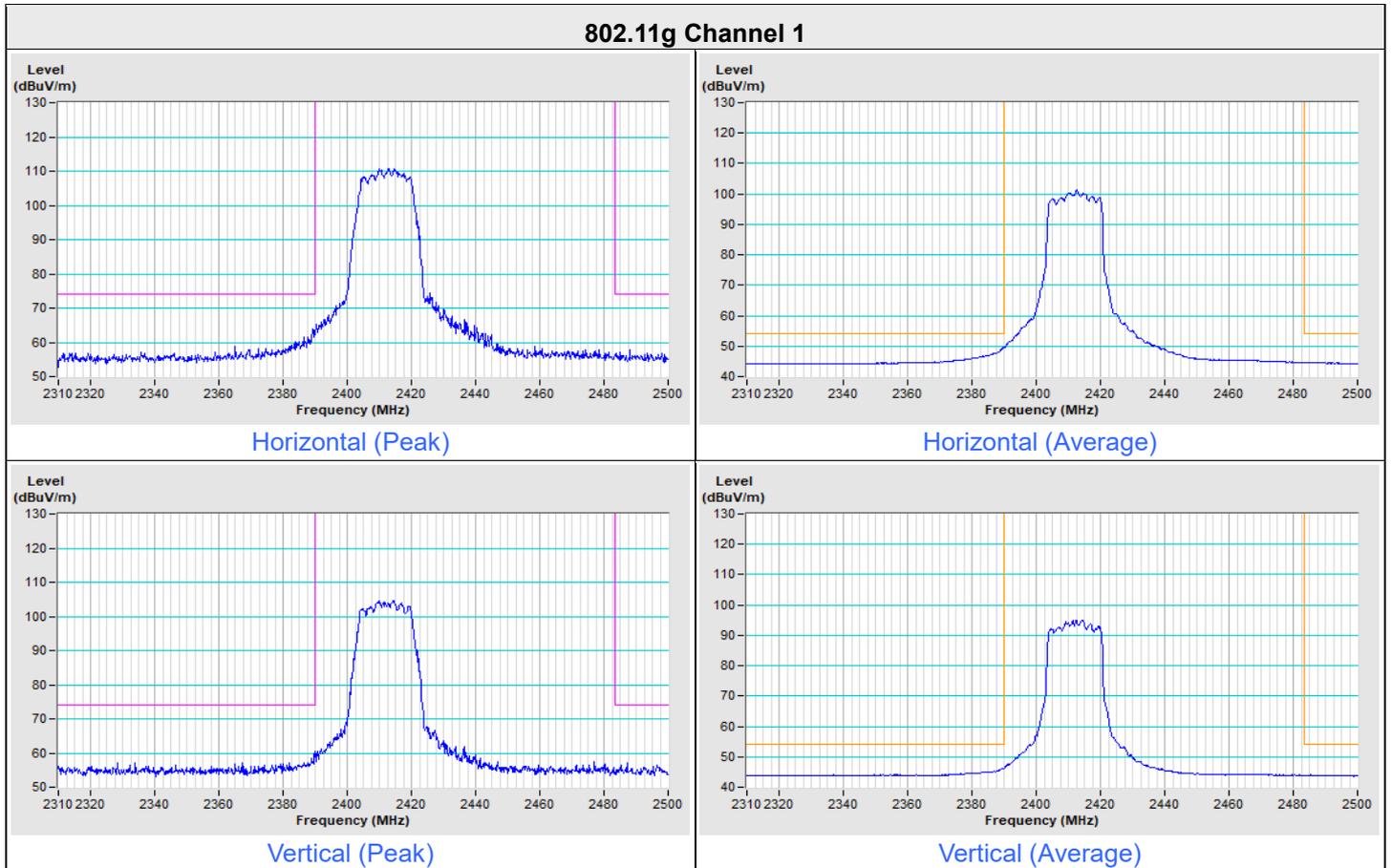


Vertical (Peak)

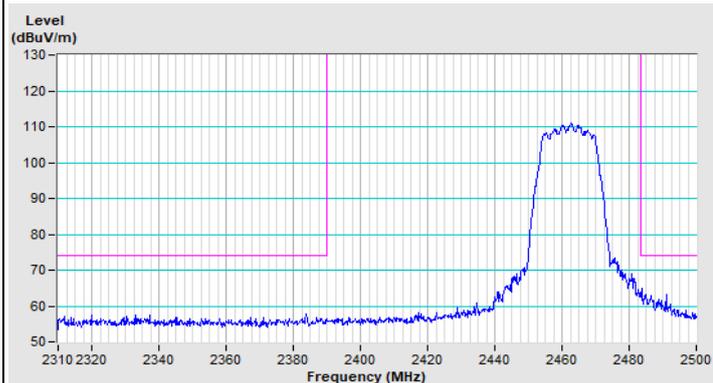


Vertical (Average)

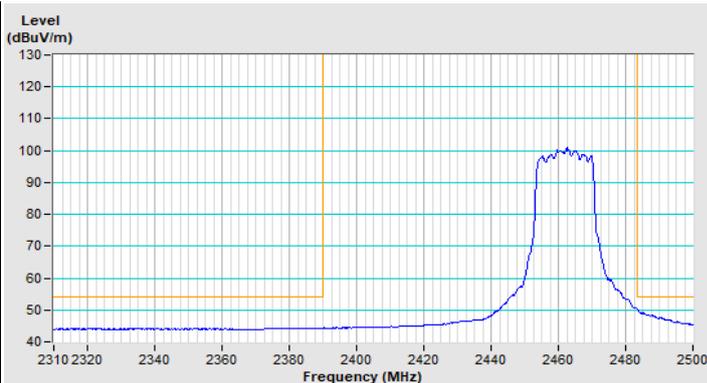
Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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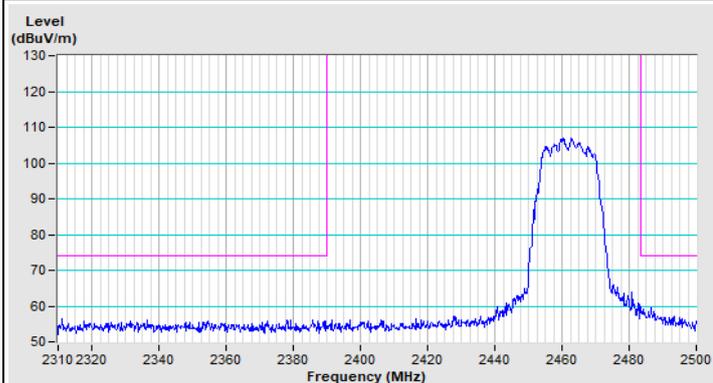
802.11g Channel 11



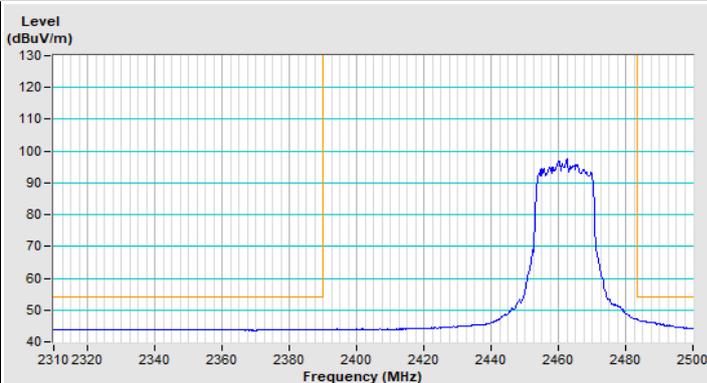
Horizontal (Peak)



Horizontal (Average)



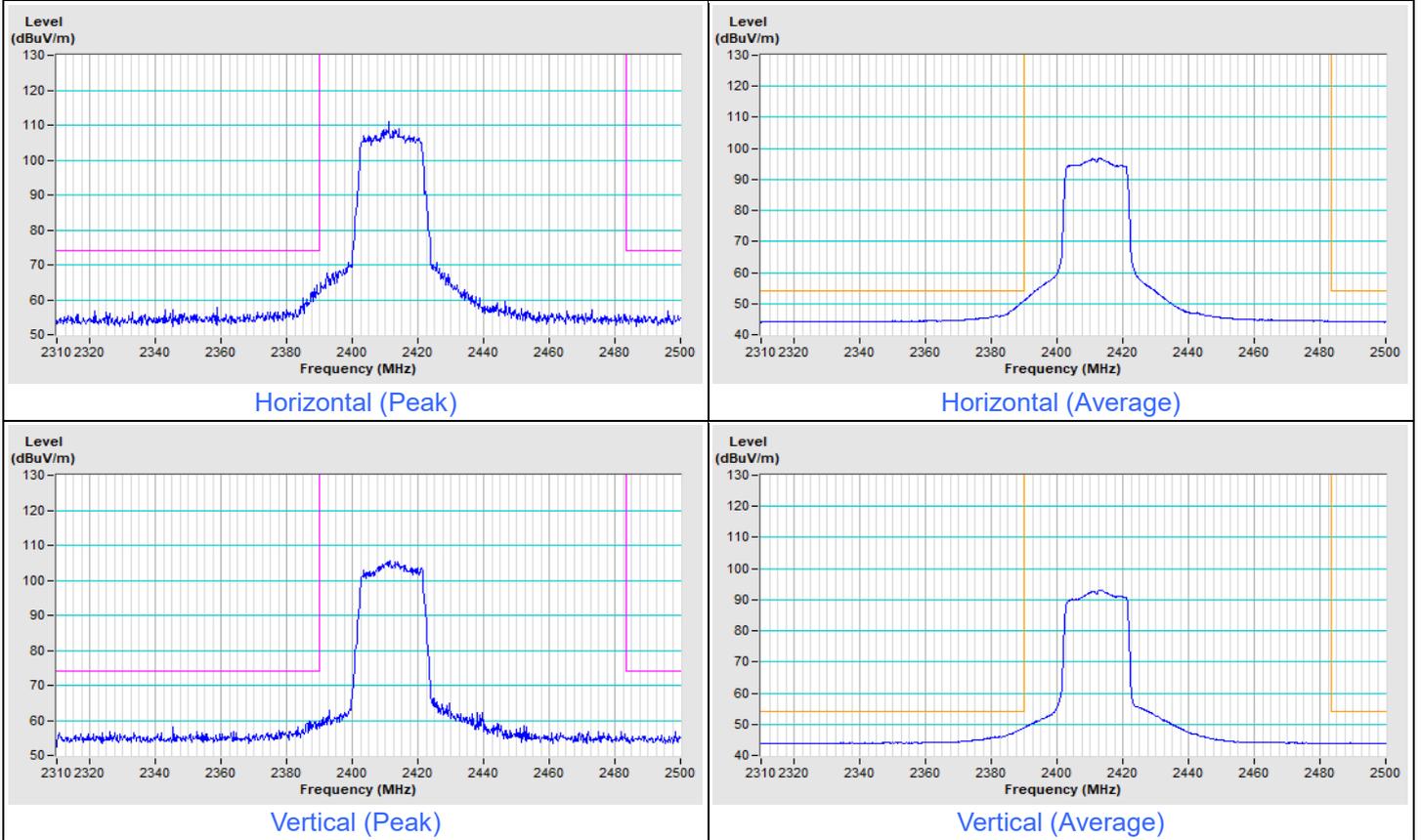
Vertical (Peak)



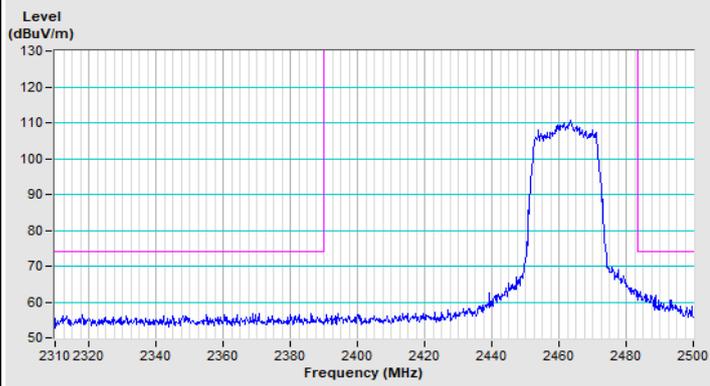
Vertical (Average)

Frequency Range	2.31 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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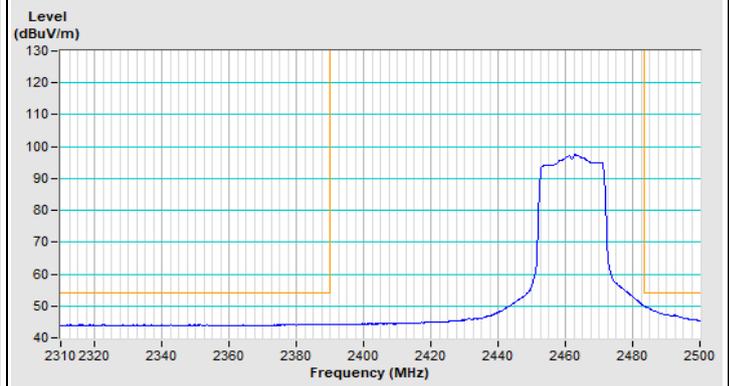
802.11ax (HE20) Channel 1



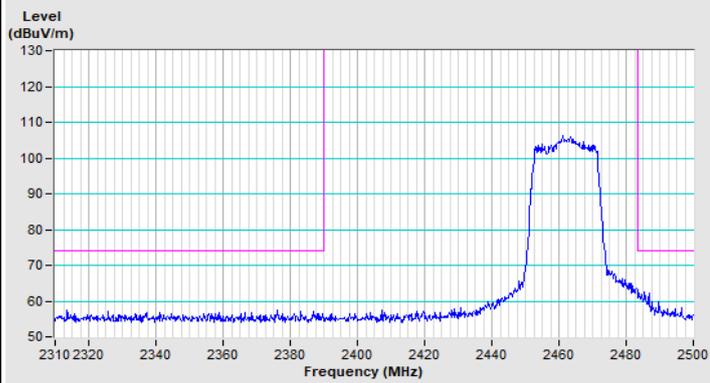
802.11ax (HE20) Channel 11



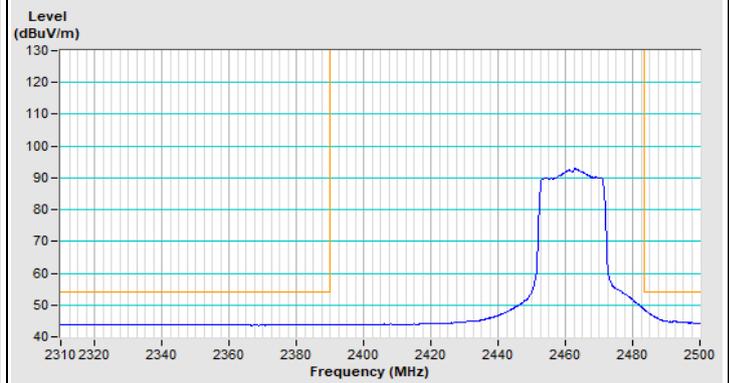
Horizontal (Peak)



Horizontal (Average)



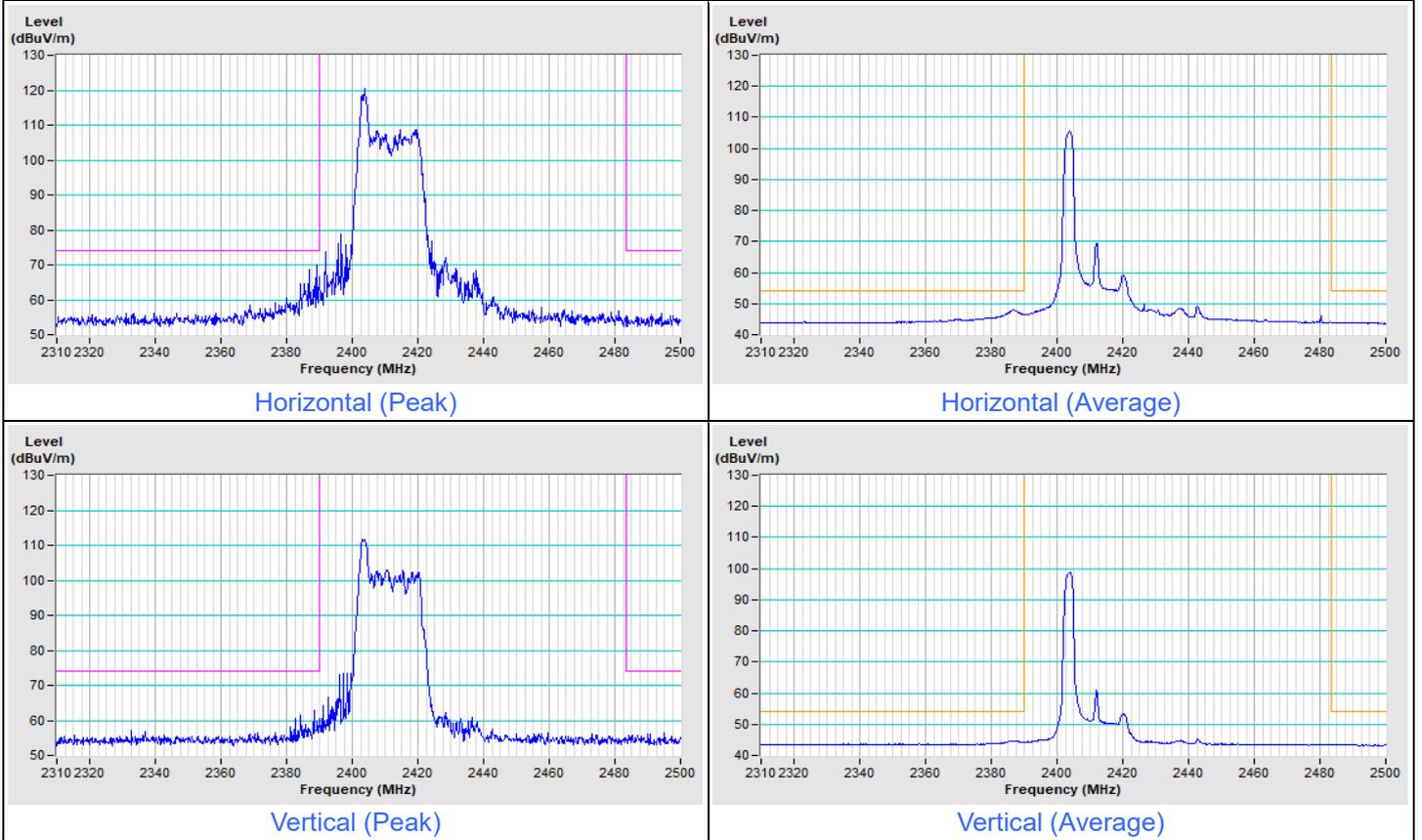
Vertical (Peak)



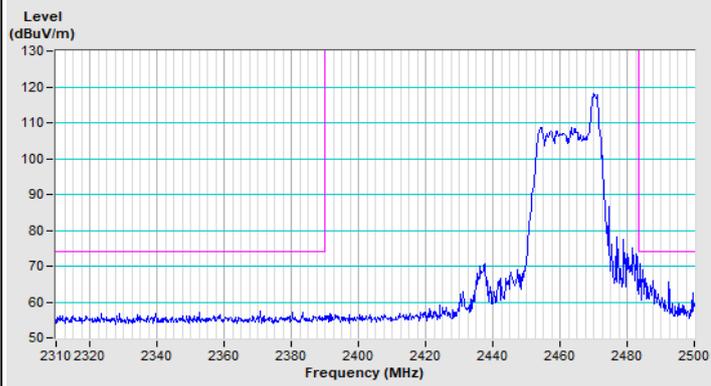
Vertical (Average)

Frequency Range	2.31 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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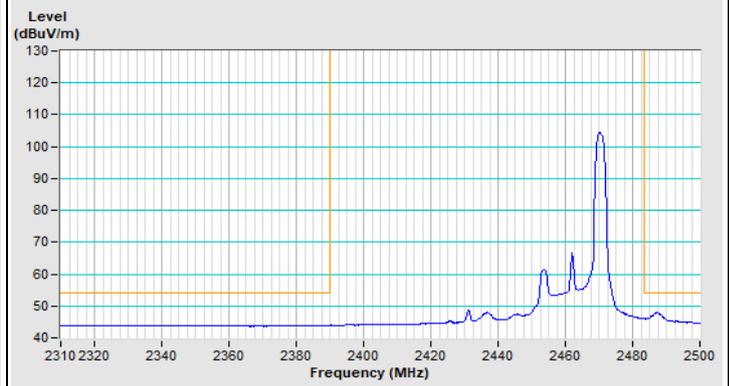
802.11ax (HE20) 26-tone RU Channel 1



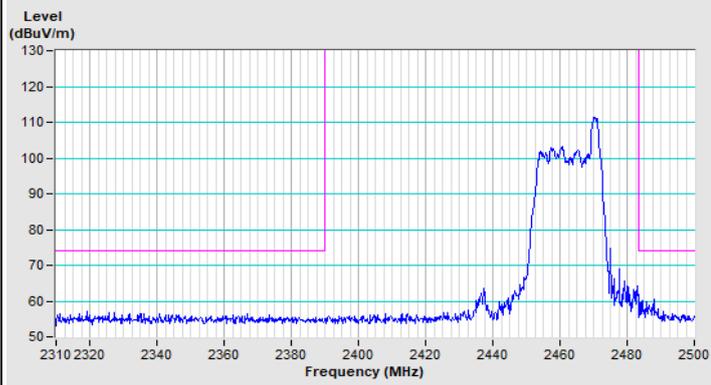
802.11ax (HE20) 26-tone RU Channel 11



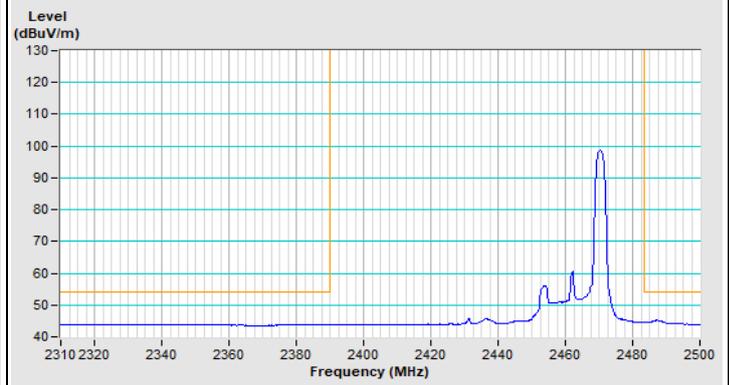
Horizontal (Peak)



Horizontal (Average)



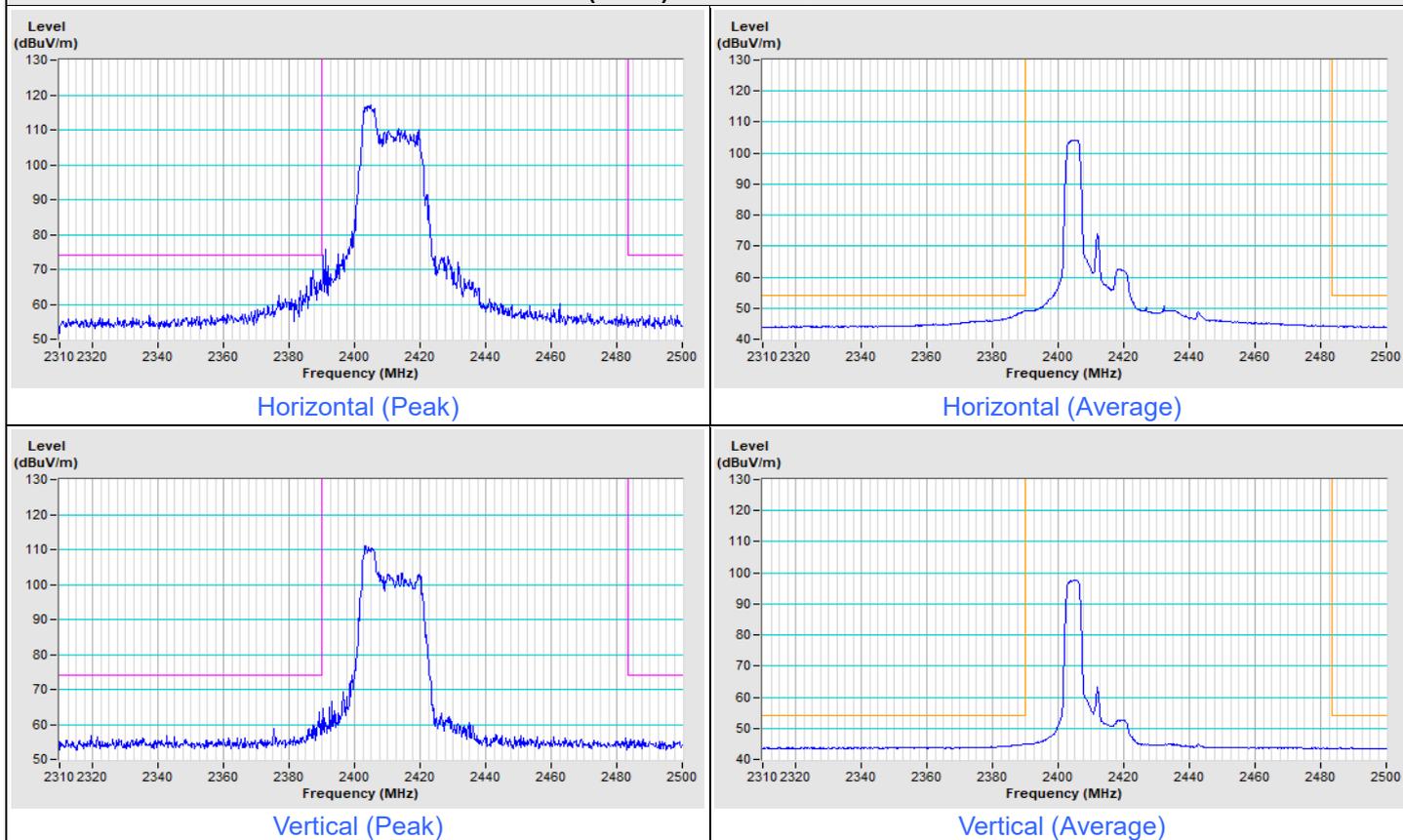
Vertical (Peak)



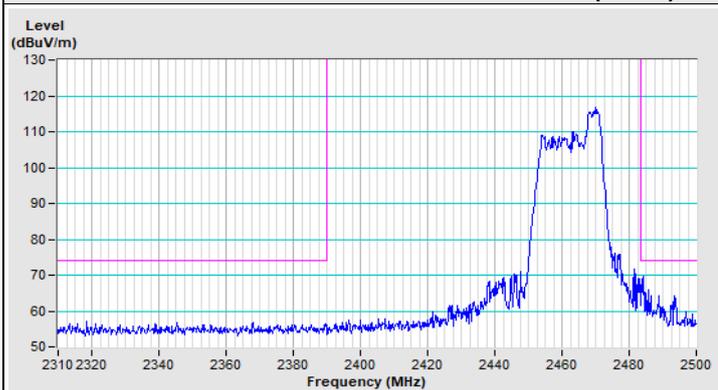
Vertical (Average)

Frequency Range	2.31 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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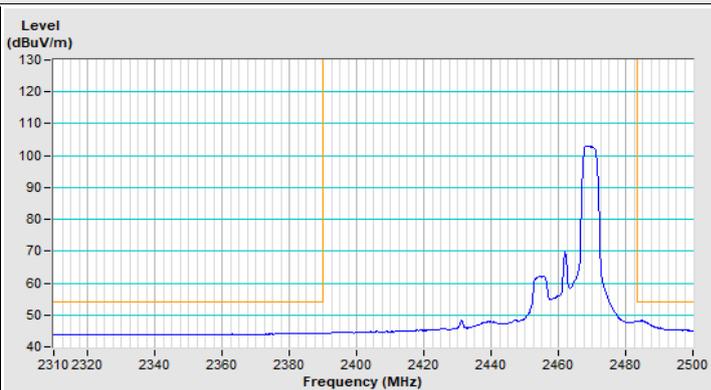
802.11ax (HE20) 52-tone RU Channel 1



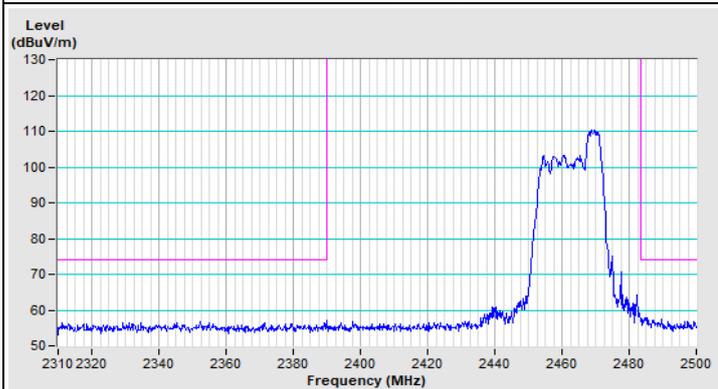
802.11ax (HE20) 52-tone RU Channel 11



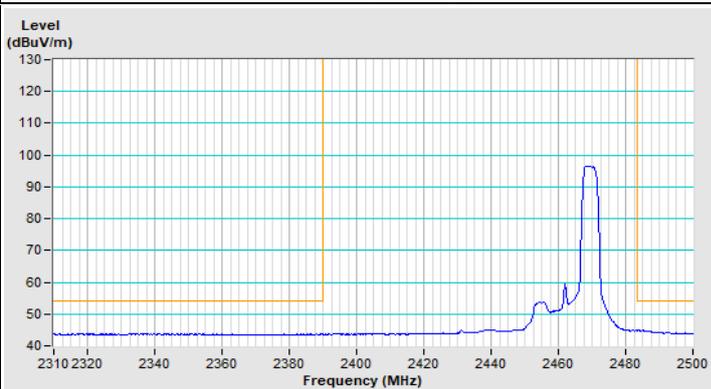
Horizontal (Peak)



Horizontal (Average)



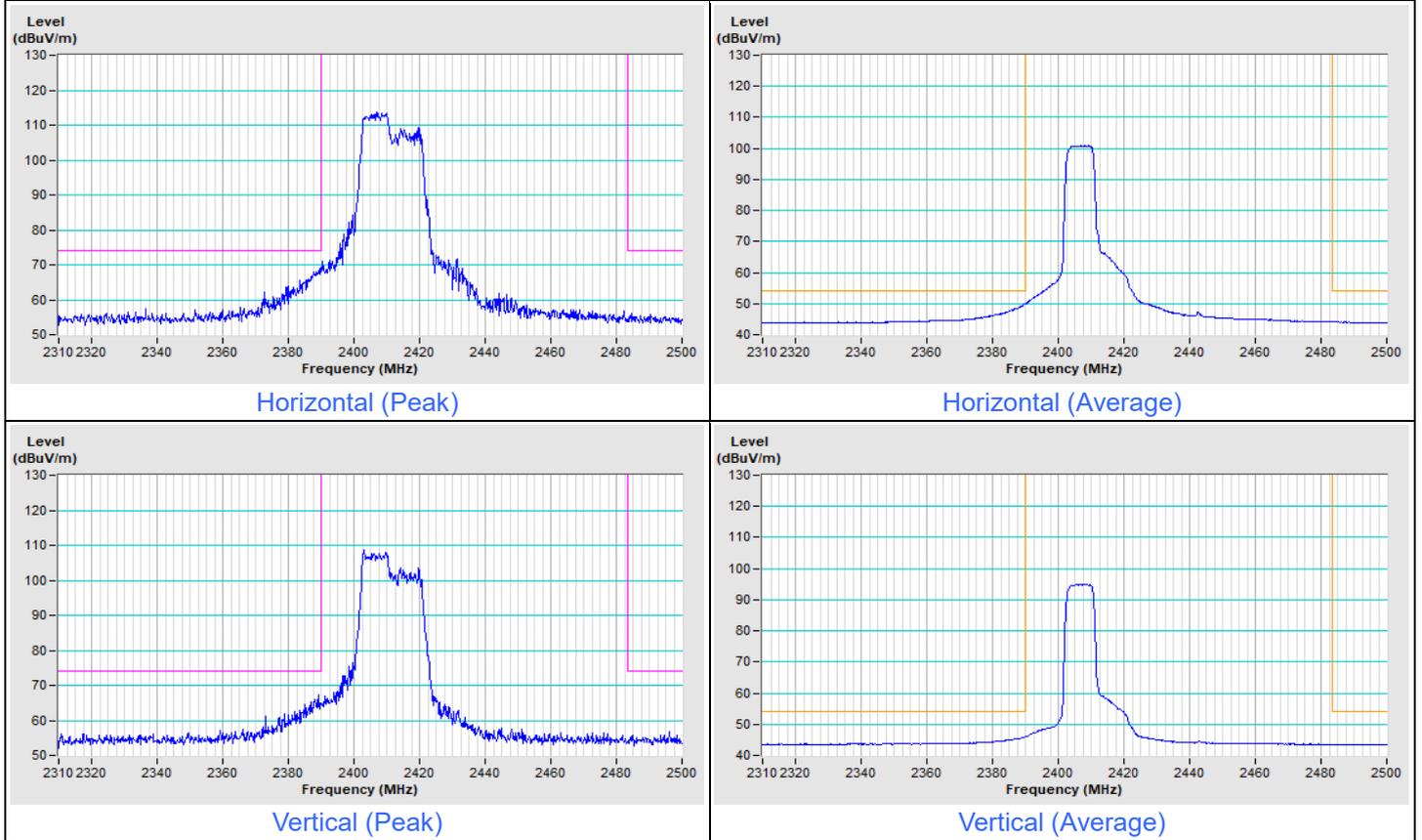
Vertical (Peak)



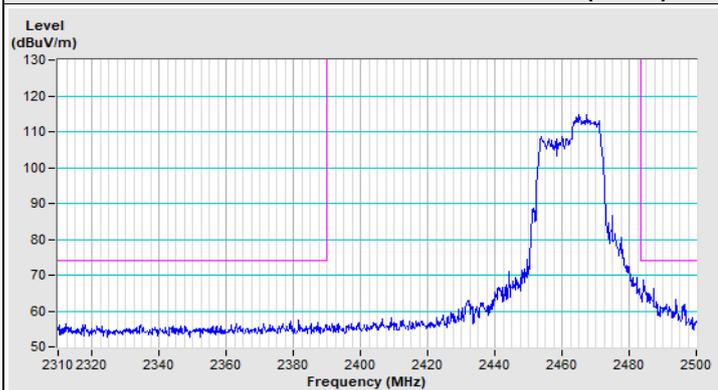
Vertical (Average)

Frequency Range	2.31 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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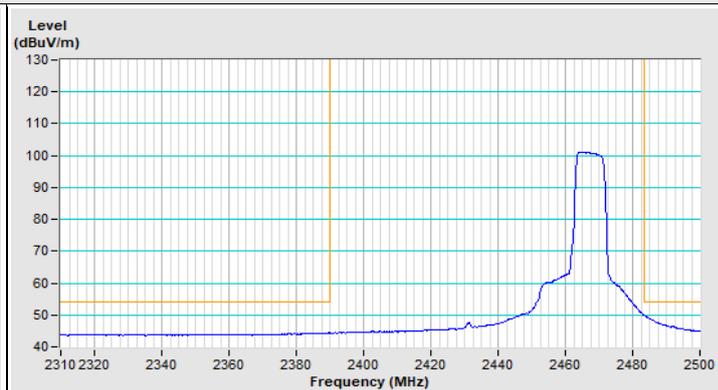
802.11ax (HE20) 106-tone RU Channel 1



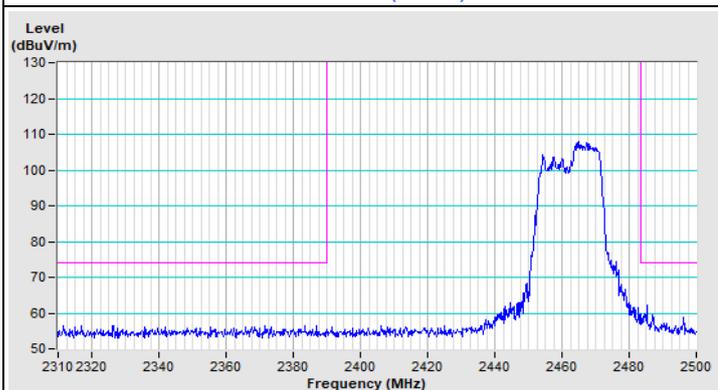
802.11ax (HE20) 106-tone RU Channel 11



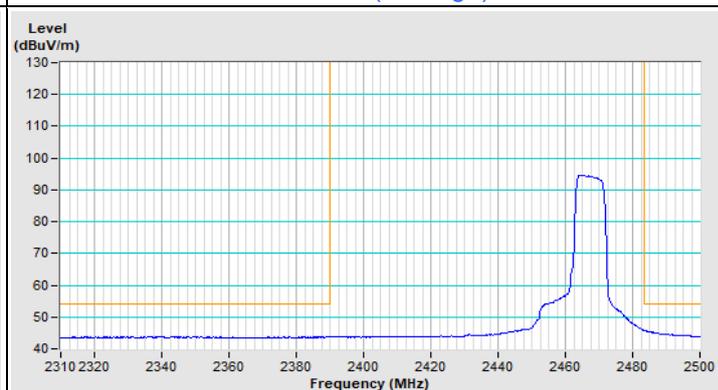
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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