

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBCKS-WTW-P25070483 R1
FCC ID: NKRATTBGW720
Product: Wi-Fi 7 Residential Gateway
Brand: AT&T
Model No.: BGW720-400
Received Date: 2025/7/31
Test Date: 2025/10/16 ~ 2025/12/17
Issued Date: 2025/12/19
Applicant: WNC Corporation
Address: 20 Park Avenue II, Hsinchu Scienker Park, Hsinchu 308, Taiwan, R.O.C
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by:



Wen Yu / Assistant Manager

, Date:

2025/12/19

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P25070483	Original release.	2025/12/8
RFBCKS-WTW-P25070483 R1	1. Adding power settings and correcting the marker frequency mismatch. 2. Add the full continuous spectral plots for unwanted emissions measurements above and below 1 GHz.	2025/12/19

1 Certificate

Product: Wi-Fi 7 Residential Gateway

Brand: AT&T

Test Model: BGW720-400

Sample Status: Engineering sample

Applicant: WNC Corporation

Test Date: 2025/10/16 ~ 2025/12/17

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

Measurement ANSI C63.10-2020

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 -13.29 dB at 0.40781 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.1 dB at 32.91 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 2390.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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

2.1 Measurement Uncertainty

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

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	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description

Product	Wi-Fi 7 Residential Gateway
Brand	AT&T
Test Model	BGW720-400
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from power adapter
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 4096QAM for OFDMA in 11be mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 600 Mbps VHT: up to 800 Mbps 802.11ax: up to 1147.1 Mbps 802.11be: up to 1736.5 Mbps
Operating Frequency	2.412 GHz ~ 2.462 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20): 11 802.11n (HT40), VHT40, 802.11ax (HE40), 802.11be (EHT40): 7
Output Power	CDD: 996.123 mW (29.98 dBm) Beamforming: 921.97 mW (29.65 dBm)

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter 1	AT&T	EPS48R1-16	AC Input: 120 V~, 1.1 A, 60 Hz DC Output: 12 V=, 4 A, 48 W DC Output Cable: 1.2 m, unshielded, with core AC Input Cable: 1.8 m, unshielded, without core Plug: US
AC Adapter 2	AT&T	EPS48R1-36	AC Input: 120 V~, 1.1 A, 60 Hz DC Output: 12 V=, 4 A, 48 W DC Output Cable: 1.2 m, unshielded, with core AC Input Cable: 1.8 m, unshielded, without core Plug: US

2. There are WLAN (2.4 GHz), WLAN (5 GHz) and WLAN (6 GHz) technology used for the EUT.

3. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WLAN (6 GHz)

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

4. 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.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
1	0	WNC	48XPAB0F	3.91	2.4 ~ 2.4835	Dipole	ipex(MHF)
	3			6.27	5.15 ~ 5.25		
				6.27	5.25 ~ 5.35		
				5.73	5.47 ~ 5.725		
				5.47	5.725 ~ 5.85		
2	1	WNC	48XPAB0G	3.67	2.4 ~ 2.4835	Dipole	ipex(MHF)
	2			3.81	5.15 ~ 5.25		
				3.85	5.25 ~ 5.35		
				5.12	5.47 ~ 5.725		
				3.62	5.725 ~ 5.85		
3	2	WNC	48XPAB0H	3.45	2.4 ~ 2.4835	Dipole	ipex(MHF)
	1			4.07	5.15 ~ 5.25		
				4.83	5.25 ~ 5.35		
				4.51	5.47 ~ 5.725		
				4.51	5.725 ~ 5.85		
4	3	WNC	48XPAB0J	3.61	2.4 ~ 2.4835	Dipole	ipex(MHF)
	0			6.03	5.15 ~ 5.25		
				6.03	5.25 ~ 5.35		
				5.09	5.47 ~ 5.725		
				4.70	5.725 ~ 5.85		
8	0	WNC	48XPAB0N	4.53	5.925 ~ 6.425	Dipole	ipex(MHF)
				4.70	6.425 ~ 6.525		
				5.89	6.525 ~ 6.875		
				6.23	6.875 ~ 7.125		
7	1	WNC	48XPAB0M	5.44	5.925 ~ 6.425	Dipole	ipex(MHF)
				6.26	6.425 ~ 6.525		
				6.33	6.525 ~ 6.875		
				5.24	6.875 ~ 7.125		
6	2	WNC	48XPAB0L	5.54	5.925 ~ 6.425	Dipole	ipex(MHF)
				4.76	6.425 ~ 6.525		
				5.20	6.525 ~ 6.875		
				5.20	6.875 ~ 7.125		
5	3	WNC	48XPAB0K	2.96	5.925 ~ 6.425	Dipole	ipex(MHF)
				3.56	6.425 ~ 6.525		
				3.63	6.525 ~ 6.875		
				3.65	6.875 ~ 7.125		
9 (Rx only)	-	WNC	48XPAB0P	-	5.25 ~ 5.35	Dipole	ipex(MHF)
					5.47 ~ 5.725		

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

2. The directional antenna gain, please refer to the following table:

Frequency Range (GHz)	Directional Antenna Gain (dBi)
2.4 ~ 2.4835	5.81
5.15 ~ 5.25	6.31
5.25 ~ 5.35	6.31
5.47 ~ 5.725	6.38
5.725 ~ 5.85	6.38

3. The EUT incorporates a MIMO function:

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	4TX	4RX
802.11g	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
VHT20	4TX	4RX
VHT40	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11be (EHT20)	4TX	4RX
802.11be (EHT40)	4TX	4RX

Note:

1. All of modulation mode support beamforming function except 802.11b/g modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), VHT mode for 20 MHz (40 MHz), 802.11ax mode for 20 MHz (40 MHz) and 802.11be mode for 20 MHz (40 MHz). Therefore the investigated worst case is the 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), 802.11be (EHT20):

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

7 channels are provided for 802.11n (HT40), VHT40, 802.11ax (HE40), 802.11be (EHT40):

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

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The AC Adapter has the following models: EPS48R1-16 / EPS48R1-36. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2. 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:	1. AC Adapter worst condition: EPS48R1-16

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
	802.11g	CDD	1, 6, 11	BPSK	6Mb/s
	802.11be (EHT20)	CDD & Beamforming	1, 6, 11	BPSK	MCS0
	802.11be (EHT40)	CDD & Beamforming	3, 6, 9	BPSK	MCS0
Power Spectral Density	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
	802.11g	CDD	1, 6, 11	BPSK	6Mb/s
	802.11be (EHT20)	CDD	1, 6, 11	BPSK	MCS0
	802.11be (EHT40)	CDD	3, 6, 9	BPSK	MCS0
6 dB Bandwidth / Conducted Out of Band Emissions	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
	802.11g	CDD	1, 6, 11	BPSK	6Mb/s
	802.11be (EHT20)	CDD	1, 6, 11	BPSK	MCS0
	802.11be (EHT40)	CDD	3, 6, 9	BPSK	MCS0
AC Power Conducted Emissions	802.11be (EHT40)	CDD	6	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT40)	CDD	6	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
	802.11g	CDD	1, 6, 11	BPSK	6Mb/s
	802.11be (EHT20)	CDD	1, 6, 11	BPSK	MCS0
	802.11be (EHT40)	CDD	3, 6, 9	BPSK	MCS0

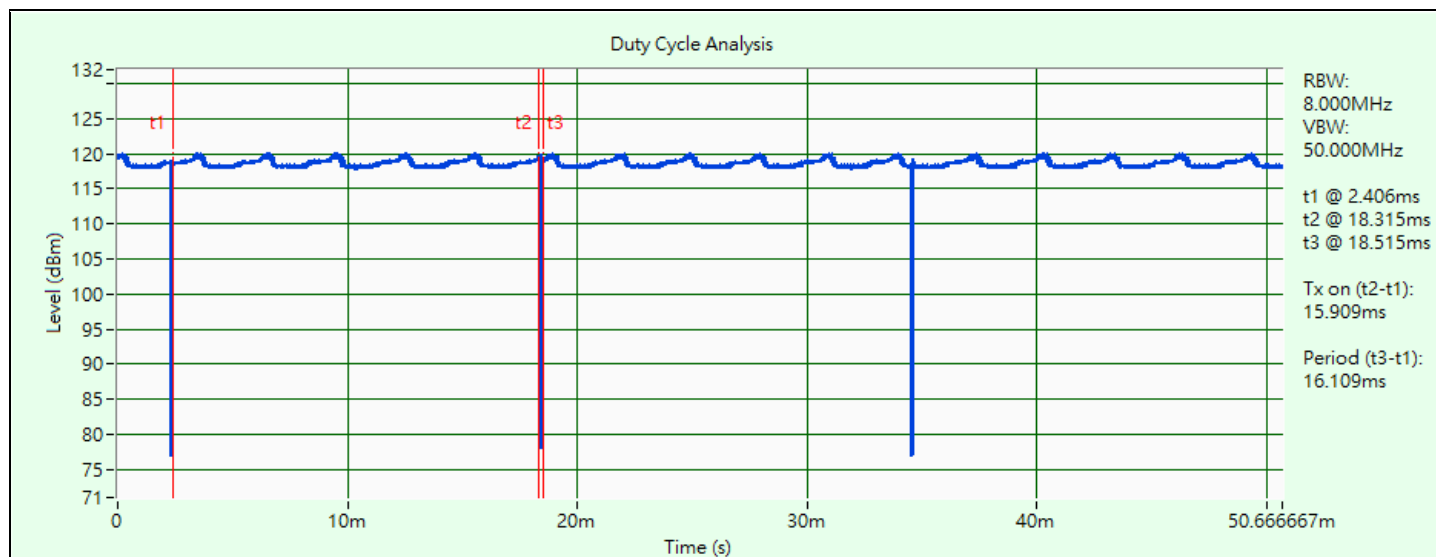
3.5 Duty Cycle of Test Signal

802.11b: Duty cycle = 15.909 ms / 16.109 ms x 100% = 98.8%

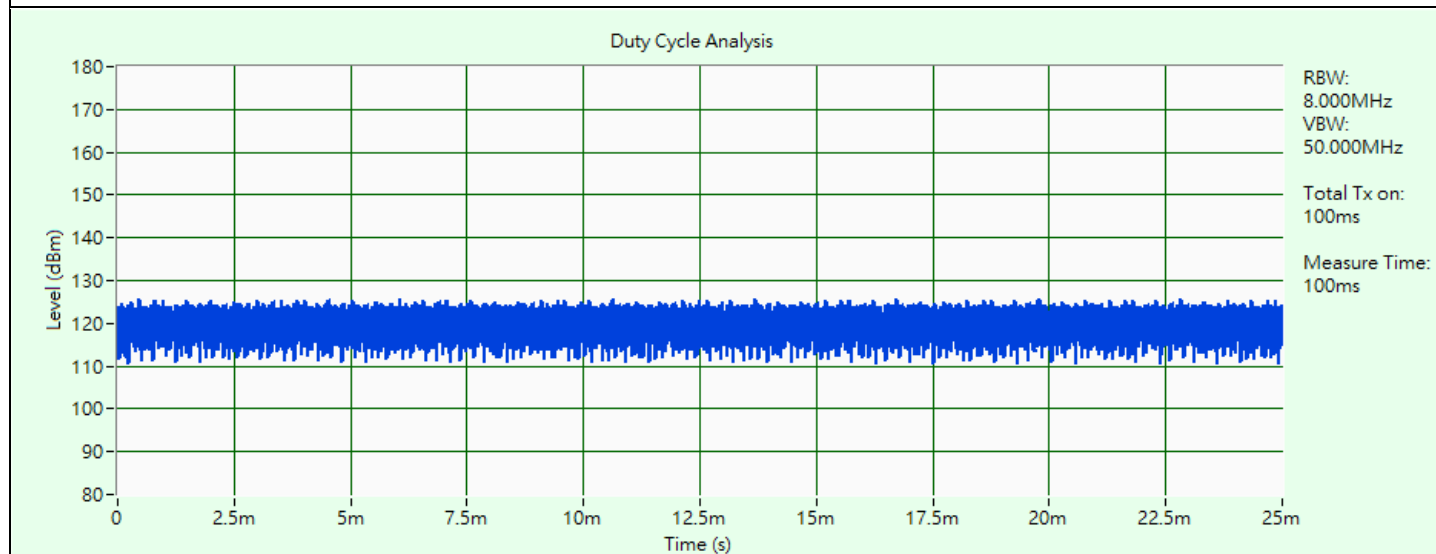
802.11g: Duty cycle = 100 ms / 100 ms x 100% = 100.0%

802.11be (EHT20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

802.11be (EHT40): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

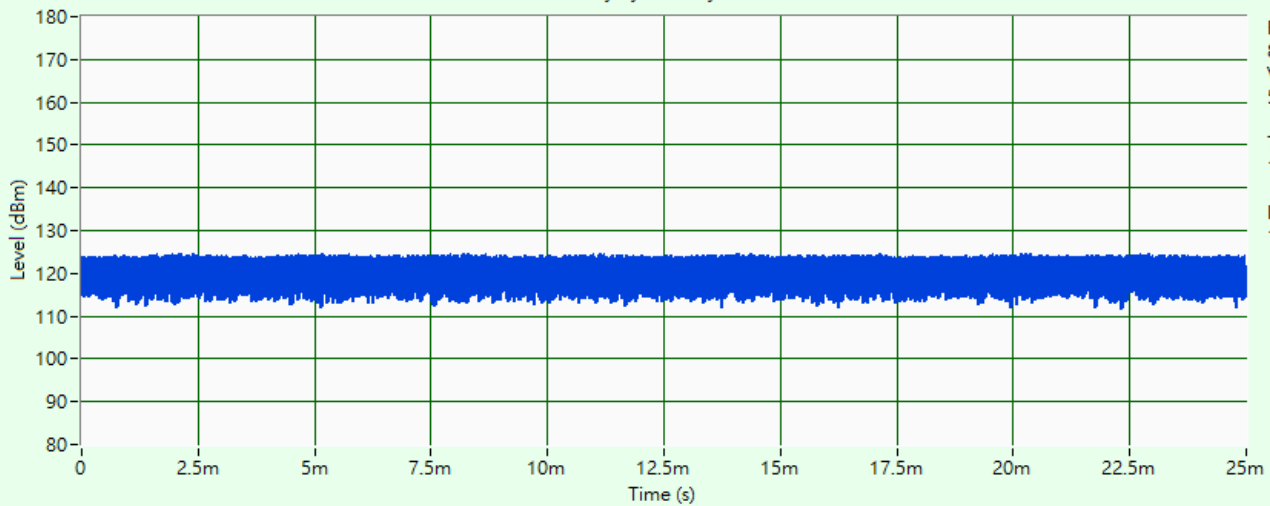


802.11b



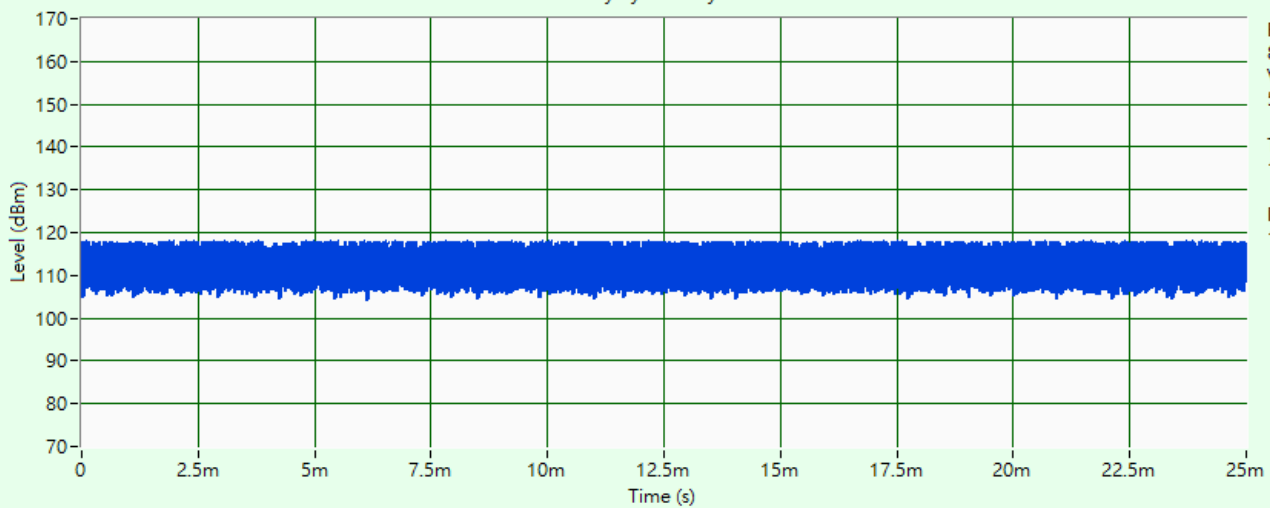
802.11g

Duty Cycle Analysis



802.11be (EHT20)

Duty Cycle Analysis

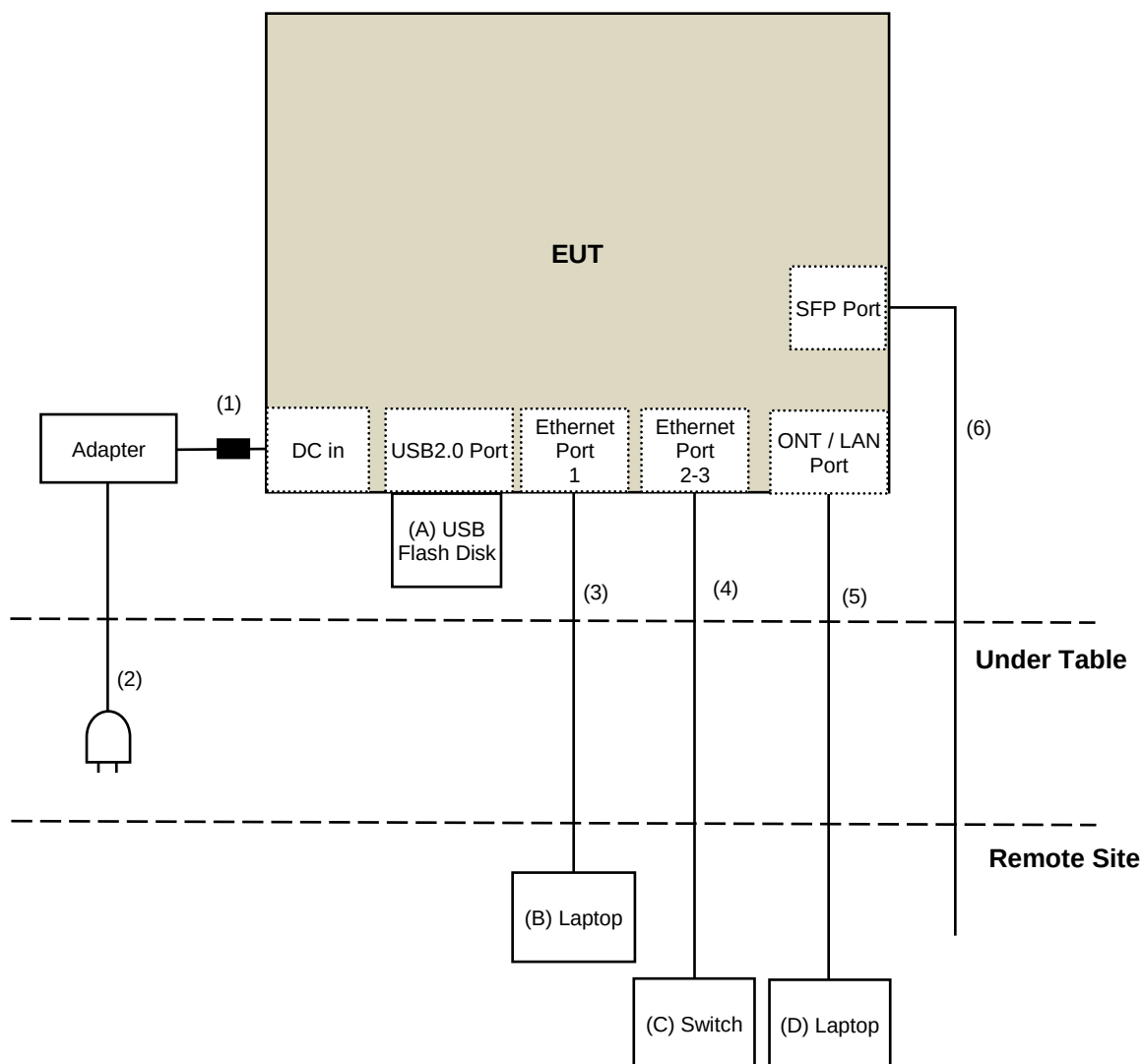


802.11be (EHT40)

3.6 Test Program Used and Operation Descriptions

Controlling software (DUT GUI-Version 2.25.2(r1044+a+165+a+9-fd22a4)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	USB Flash Disk	SanDisk	SDDDC3-032G-I35NB	BM22065835SW	N/A	Provided by Lab
B	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
C	SWITCH	D-Link	DGS-1005D	DR8WC92000523	N/A	Provided by Lab
D	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.2	No	1	Supplied by applicant
2	AC Cable	1	1.8	No	0	Supplied by applicant
3	RJ-45 Cable	1	10	No	0	Provided by Lab
4	RJ-45 Cable	2	10	No	0	Provided by Lab
5	RJ-45 Cable	1	10	No	0	Provided by Lab
6	Fiber Cable	1	10	No	0	Provided by Lab

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/6/3	2026/6/2
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/10/29

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
MXA Signal Analyzer Keysight	N9020B	MY60112408	2025/3/12	2026/3/11
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/10/29

4.3 6 dB Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 Conducted Out of Band Emissions

Refer to section 4.2 to get the tested date and information of the instruments.

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2025/10/29	2026/10/28
EMI Test Receiver R&S	ESCS 30	100375	2025/5/21	2026/5/20
Fixed Attenuator STI	STI02-2200-10	005	2025/2/17	2026/2/16
LISN R&S	ESH3-Z5	835239/001	2025/3/27	2026/3/26
		848773/004	2025/10/3	2026/10/2
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2025/2/17	2026/2/16
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: 2025/11/5

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2025/9/17	2026/9/16
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2025/2/15	2026/2/14
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXE EMI Receiver Agilent	N9038A	MY51210202	2025/7/30	2026/7/29
Preamplifier EMCI	EMC330N	980701	2025/2/15	2026/2/14
	EMC001340	980142	2025/2/17	2026/2/16
RF Coaxial Cable mTJ	100100-CFD400LW-200	CFD400-200	2025/2/15	2026/2/14
	100100-CFD400LW-400	CFD400-400	2025/2/15	2026/2/14
	100100-CFD400LW-800	CFD400-800	2025/2/15	2026/2/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/12/17

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2024/11/10 2025/11/9	2025/11/9 2026/11/8
	BBHA 9170	9170-739	2024/11/10 2025/11/9	2025/11/9 2026/11/8
MXA Signal Analyzer Keysight	N9020B	MY60112410	2025/3/17	2026/3/16
Preamplifier EMCI	EMC12630SE	980688	2025/8/7	2026/8/6
	EMC184045SE	980387	2025/8/7	2026/8/6
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2025/1/24	2026/1/23
	EMC102-KM-KM-4000	200214	2025/1/24	2026/1/23
	EMC104-SM-SM-1200	160922	2025/1/14	2026/1/13
	EMC104-SM-SM-2000	180502	2025/1/14	2026/1/13
	EMC104-SM-SM-6000	210704	2024/10/30 2025/10/22	2025/10/29 2026/10/21
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/10/16 ~ 2025/12/15

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 30 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 30 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 30 dB below the highest level of the desired power:

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

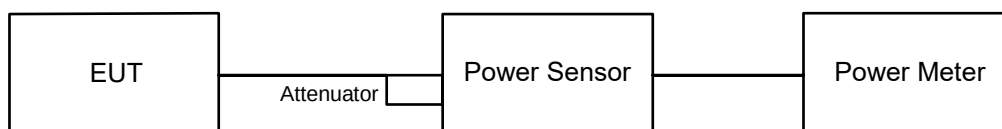
Notes:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



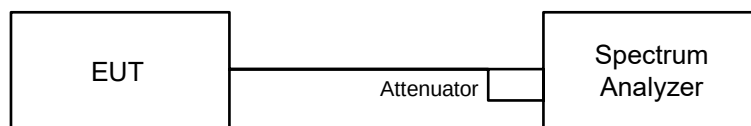
6.1.2 Test Procedure

Average Power:

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

6.2 Power Spectral Density

6.2.1 Test Setup



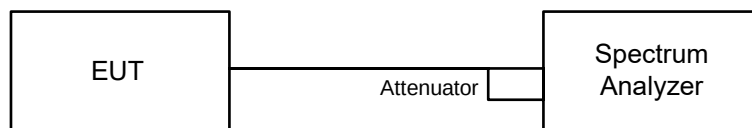
6.2.2 Test Procedure

- Measure the duty cycle (x).
- Set instrument center frequency to DTS channel center frequency.
- Set span to > 1.5 times the OBW.
- Set RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set VBW $\geq 3 \times \text{RBW}$.
- Detector = power averaging (RMS) or sample detector (when RMS not available).
- Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span/RBW}$.
- Sweep time = auto couple.
- Do not use sweep triggering. Allow sweep to "free run".
- Employ trace averaging (RMS) mode over a minimum of 100 traces.
- Use the peak marker function to determine the maximum amplitude level.

Note: If Duty cycle < 98%, Add $10 \log (1/x)$, where x is the duty cycle measured in step (a), to the measured PSD to compute the average PSD during the actual transmission time.

6.3 6 dB Bandwidth

6.3.1 Test Setup

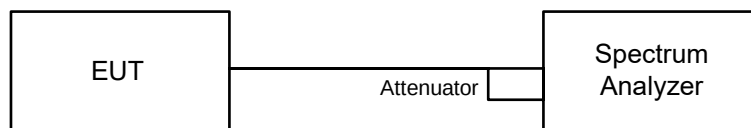


6.3.2 Test Procedure

- a. Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b. Set the VBW $\geq [3 \times \text{RBW}]$.
- c. Detector = peak.
- d. Trace mode = max-hold.
- e. Sweep = No faster than coupled (auto) time.
- f. Allow the trace to stabilize.
- g. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

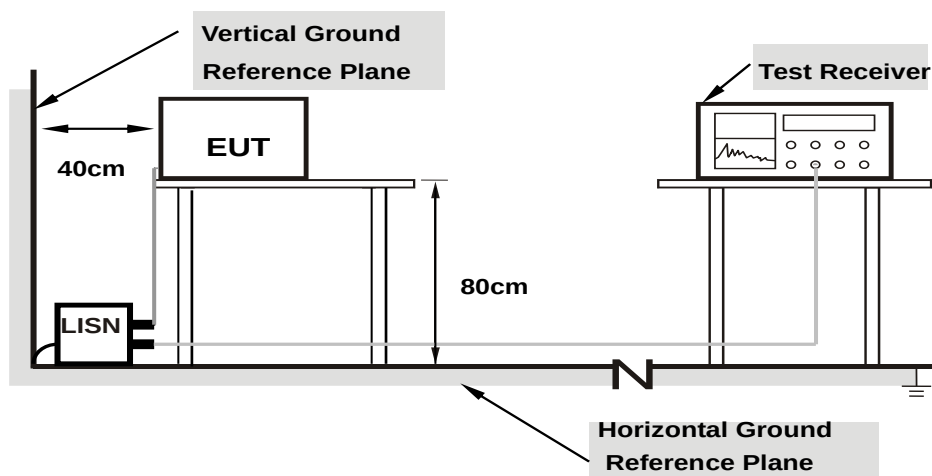
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

MEASUREMENT PROCEDURE OOB

- Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.
- Set RBW = 100 kHz.
- Set VBW ≥ 300 kHz.
- Detector = peak.
- Sweep = No faster than coupled (auto) time.
- 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

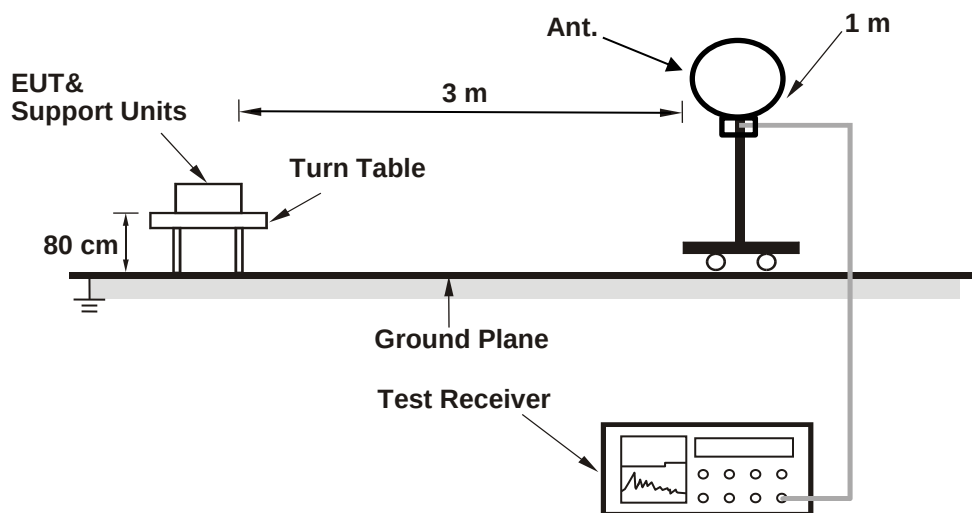
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The 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.

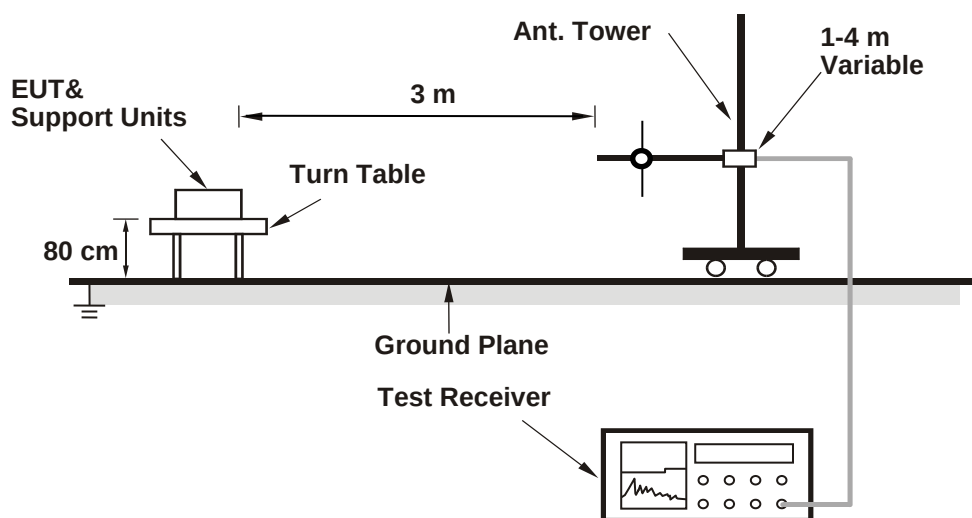
6.6 Unwanted Emissions below 1 GHz

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

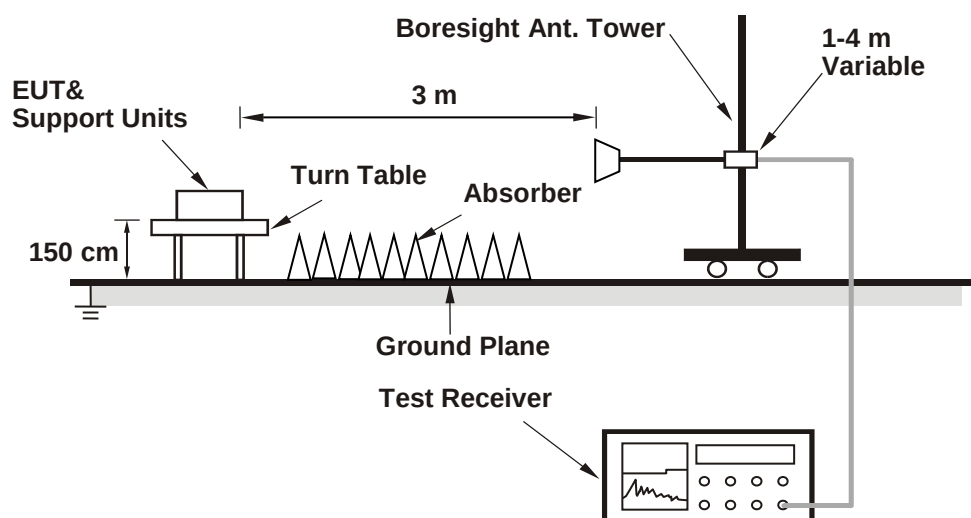
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 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 (however, peak detector measurements may be used to determine compliance with QP requirements).
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:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
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802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	23.72	23.82	24.06	23.97	980.638	29.92	30	Pass
6	2437	23.62	23.31	23.88	23.92	935.38	29.71	30	Pass
11	2462	23.48	23.26	23.96	23.67	916.374	29.62	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.91 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	23.67	23.82	23.96	23.96	971.571	29.87	30	Pass
6	2437	23.27	23.31	23.46	23.54	874.377	29.42	30	Pass
11	2462	23.56	23.61	23.58	23.55	911.1	29.60	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.91 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	23.40	23.38	23.71	23.56	898.497	29.54	30	Pass
6	2437	23.46	23.64	23.82	23.73	930.064	29.69	30	Pass
11	2462	23.69	23.61	23.92	23.88	954.446	29.80	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.91 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	23.83	23.94	23.97	24.01	990.515	29.96	30	Pass
6	2437	23.82	23.83	24.01	24.18	996.123	29.98	30	Pass
9	2452	23.41	23.56	23.68	23.62	909.757	29.59	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.91 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	21.28	21.15	22.03	21.93	580.136	27.64	30	Pass
6	2437	23.88	23.81	23.07	23.70	921.97	29.65	30	Pass
11	2462	23.16	23.77	23.27	23.65	889.31	29.49	30	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. The directional gain is 5.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	20.36	20.29	20.28	20.25	428.133	26.32	30	Pass
6	2437	23.67	23.72	23.39	23.35	902.859	29.56	30	Pass
9	2452	21.90	21.94	21.93	21.89	621.677	27.94	30	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. The directional gain is 5.81 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

7.2 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
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802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-6.41	-7.08	-6.50	-6.74	-0.65	8	Pass
6	2437	-7.02	-7.86	-6.33	-6.25	-0.80	8	Pass
11	2462	-7.83	-7.92	-7.65	-7.49	-1.70	8	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 is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. The directional gain is 5.81 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-10.94	-11.12	-10.15	-10.99	-4.76	8	Pass
6	2437	-11.46	-11.49	-11.12	-11.55	-5.38	8	Pass
11	2462	-10.66	-11.99	-11.77	-11.71	-5.48	8	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 is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. The directional gain is 5.81 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
1	2412	-11.60	-10.82	-10.78	-10.02	-4.75	8	Pass
6	2437	-11.11	-11.22	-10.84	-10.28	-4.83	8	Pass
11	2462	-10.87	-11.44	-10.25	-11.12	-4.88	8	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 is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. The directional gain is 5.81 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

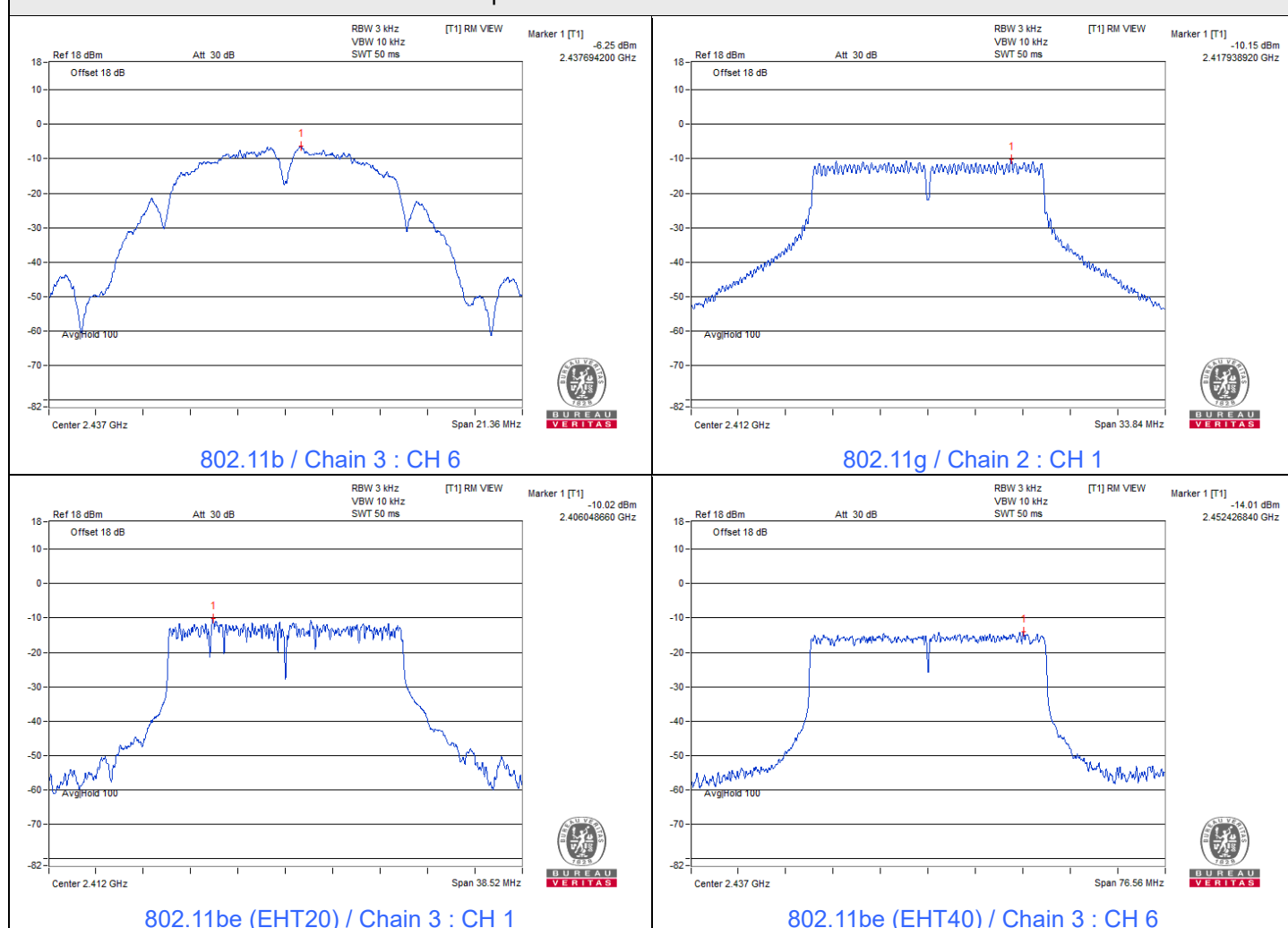
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)				Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
3	2422	-14.98	-15.43	-14.70	-15.16	-9.04	8	Pass
6	2437	-14.69	-14.78	-14.35	-14.01	-8.43	8	Pass
9	2452	-15.26	-15.41	-14.93	-14.76	-9.06	8	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 is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. The directional gain is 5.81 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
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802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	8.12	8.30	8.17	8.09	0.5	Pass
6	2437	8.18	8.18	8.22	7.91	0.5	Pass
11	2462	8.17	8.15	8.17	8.26	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	16.59	16.61	16.64	16.63	0.5	Pass
6	2437	16.72	16.65	16.68	16.66	0.5	Pass
11	2462	16.58	16.58	16.63	16.63	0.5	Pass

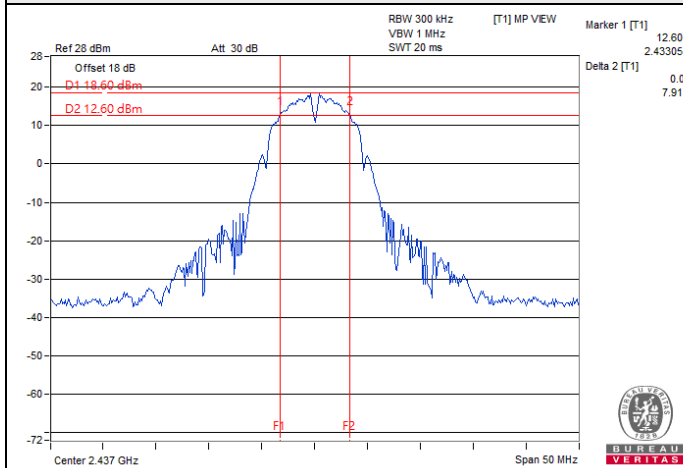
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	19.09	19.14	19.15	19.18	0.5	Pass
6	2437	19.16	19.17	19.17	19.18	0.5	Pass
11	2462	19.09	19.13	19.15	19.18	0.5	Pass

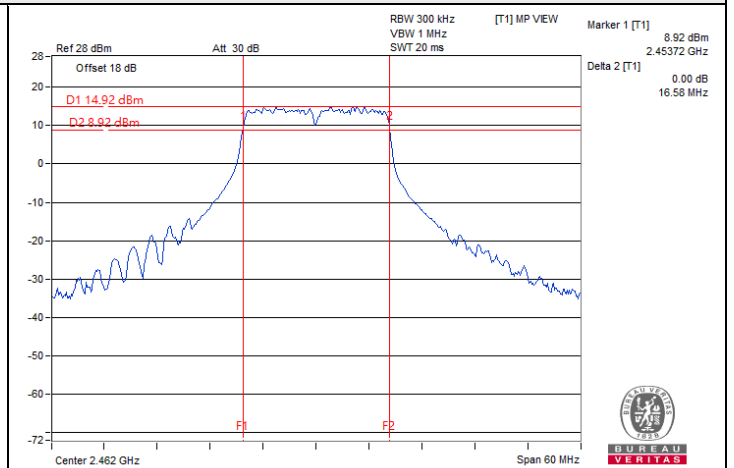
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
3	2422	38.19	38.19	38.19	38.21	0.5	Pass
6	2437	38.33	38.33	38.32	38.34	0.5	Pass
9	2452	38.21	38.21	38.21	38.23	0.5	Pass

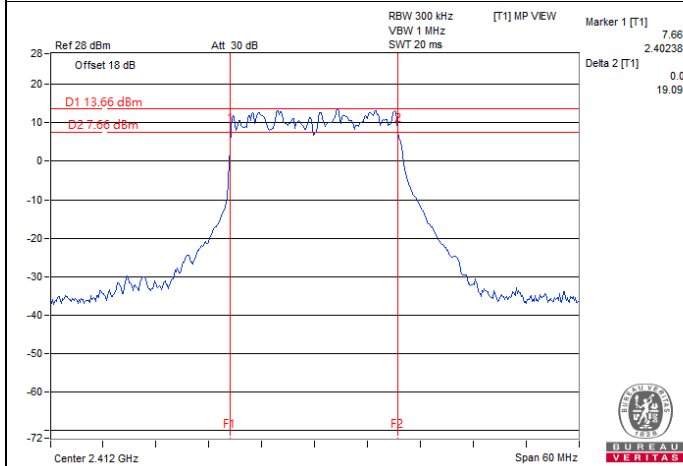
Spectrum Plot of Minimum Value



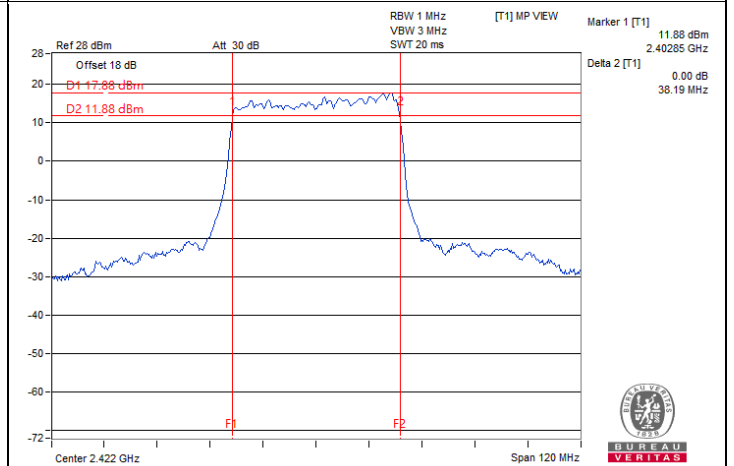
802.11b / Chain 3 : CH 6



802.11g / Chain 0 : CH 11



802.11be (EHT20) / Chain 0 : CH 1

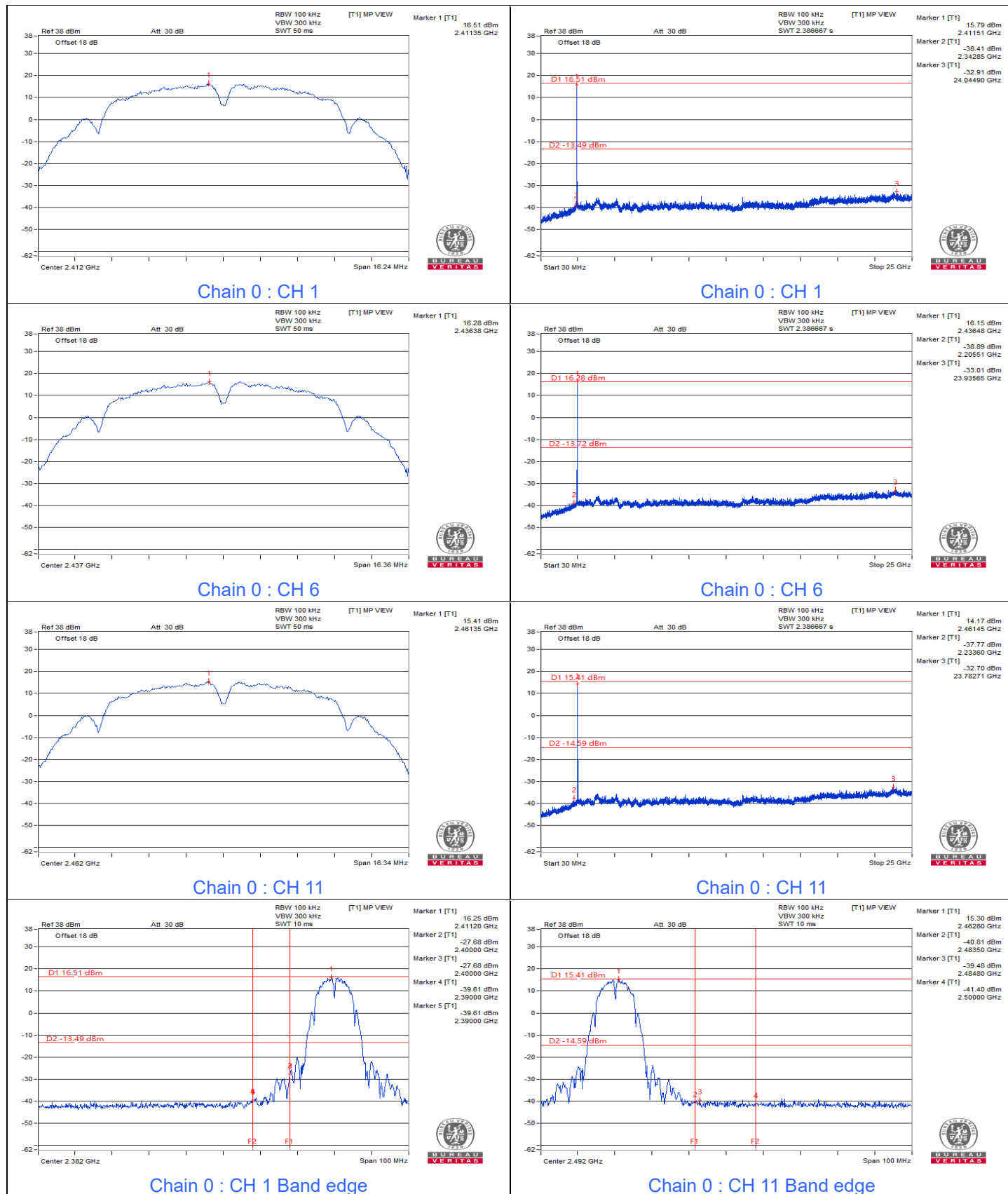


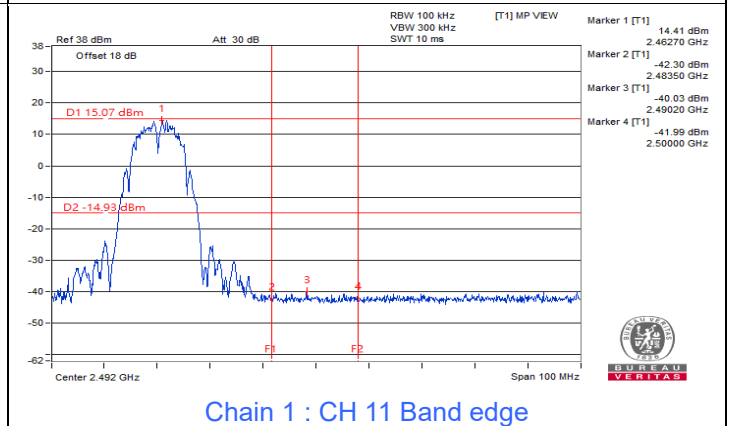
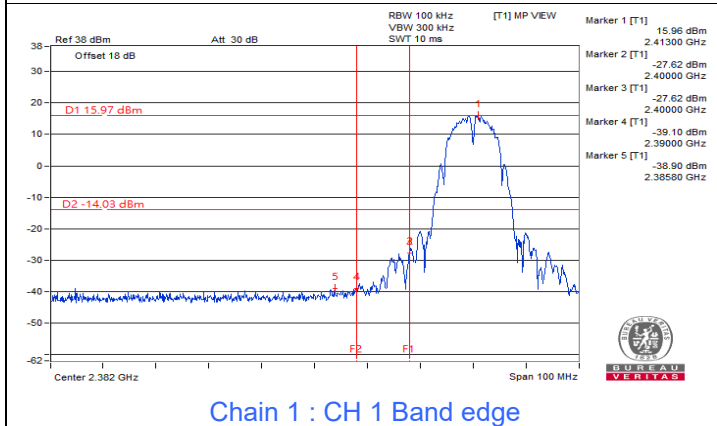
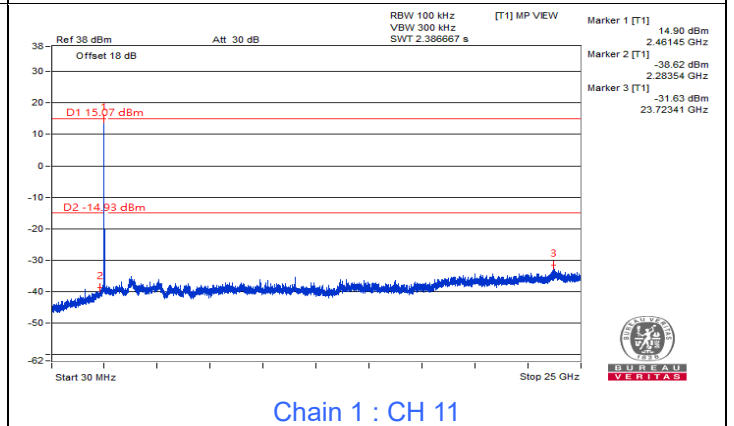
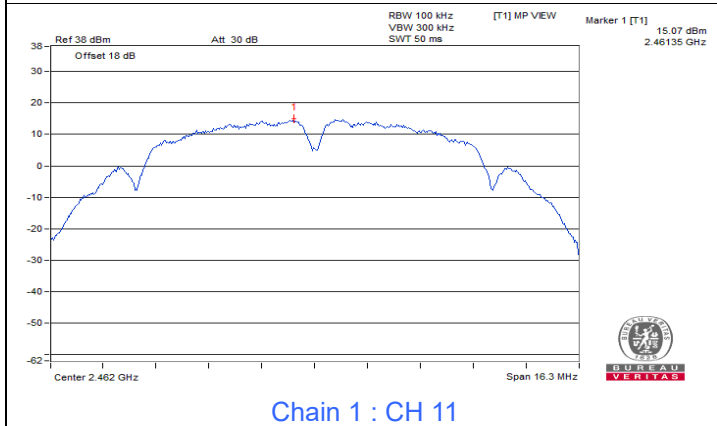
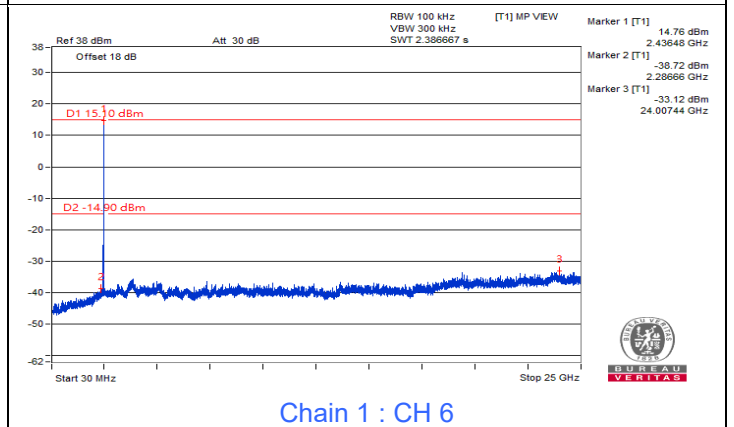
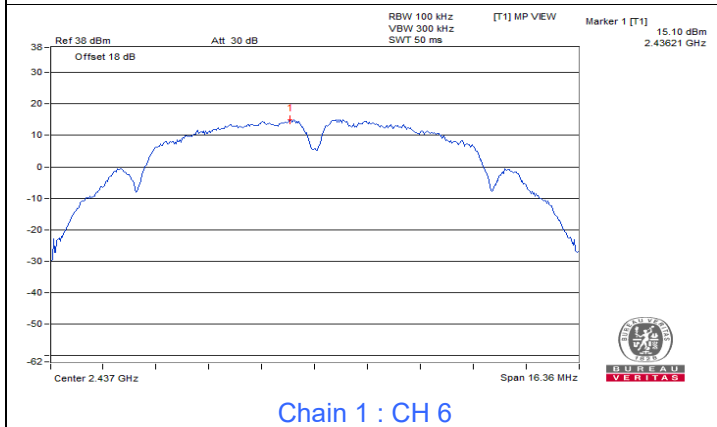
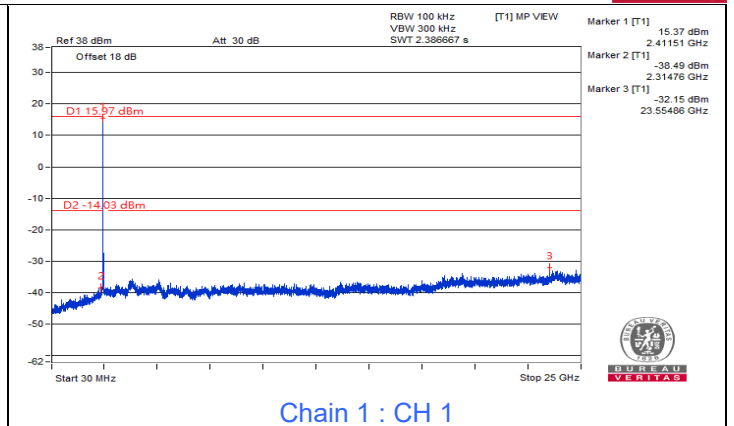
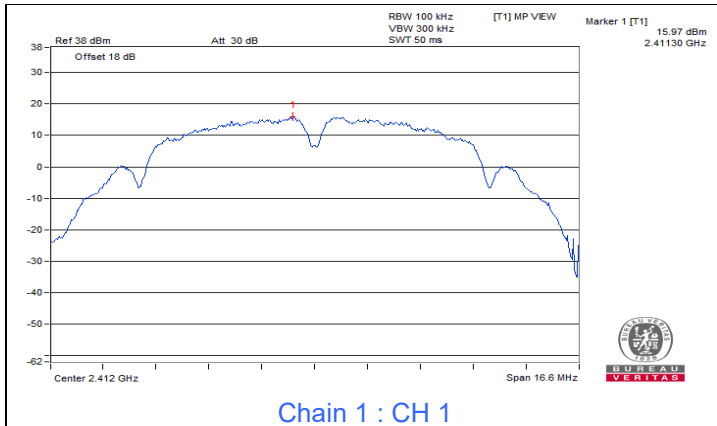
802.11be (EHT40) / Chain 0 : CH 3

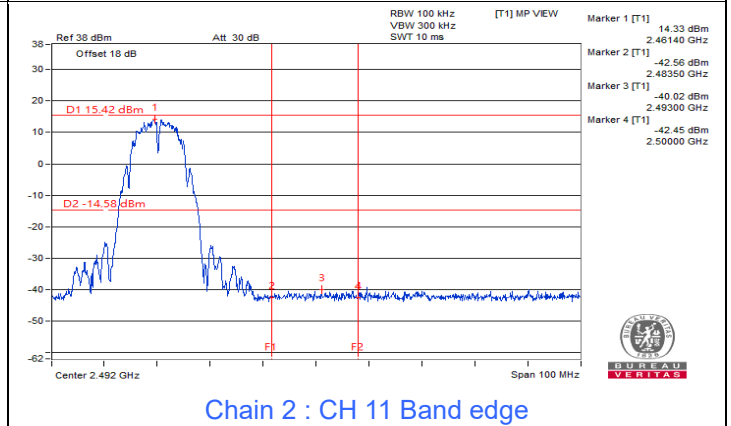
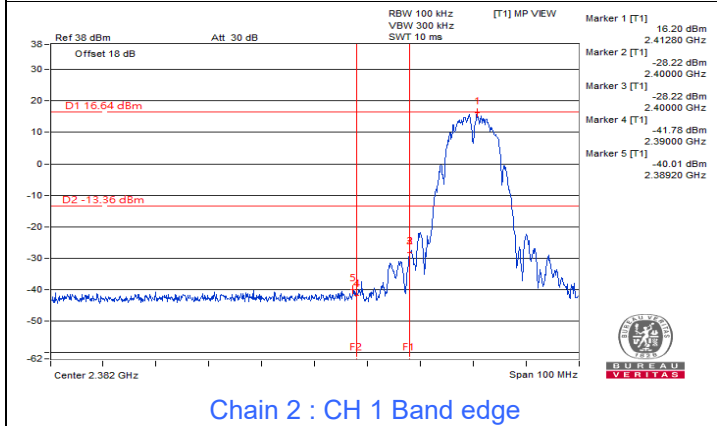
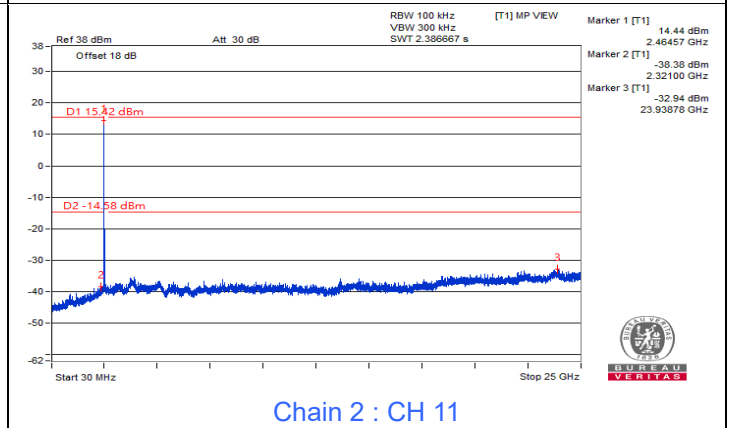
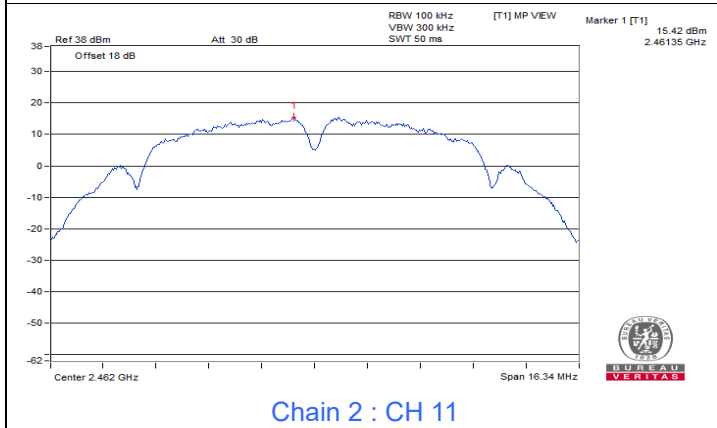
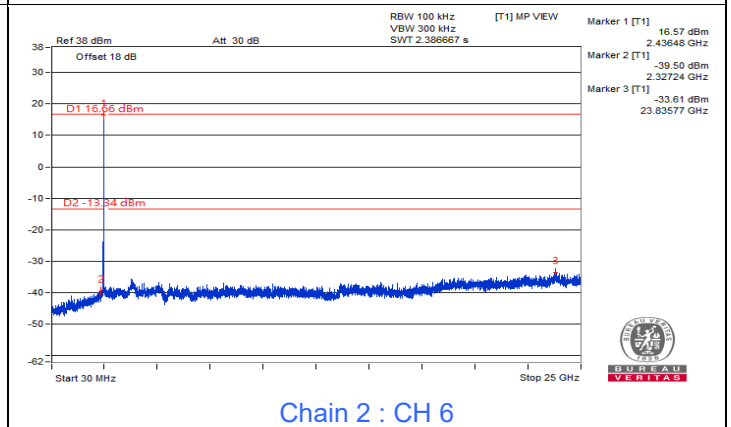
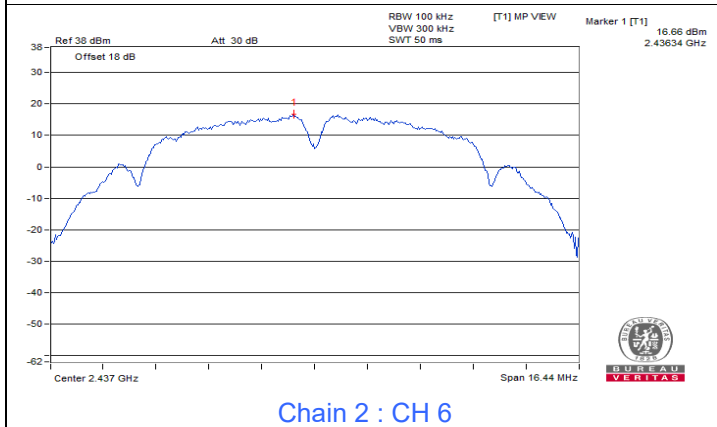
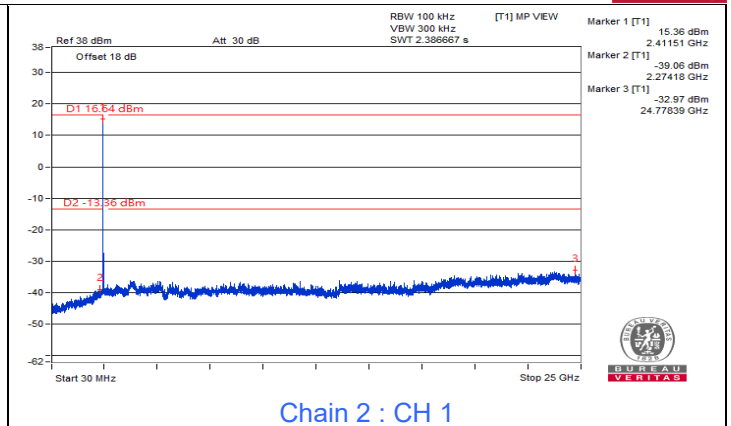
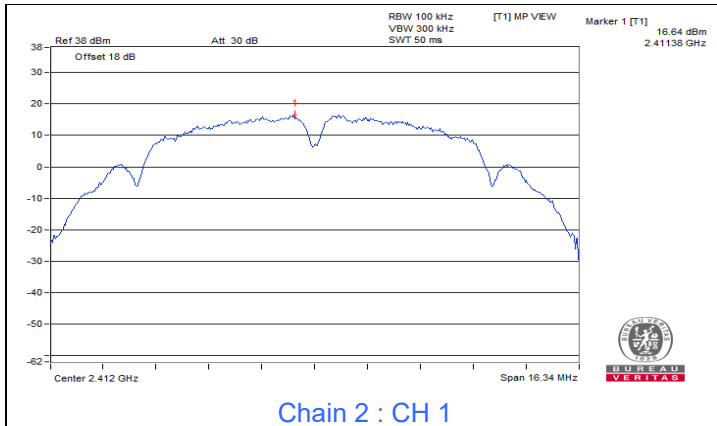
7.4 Conducted Out of Band Emissions

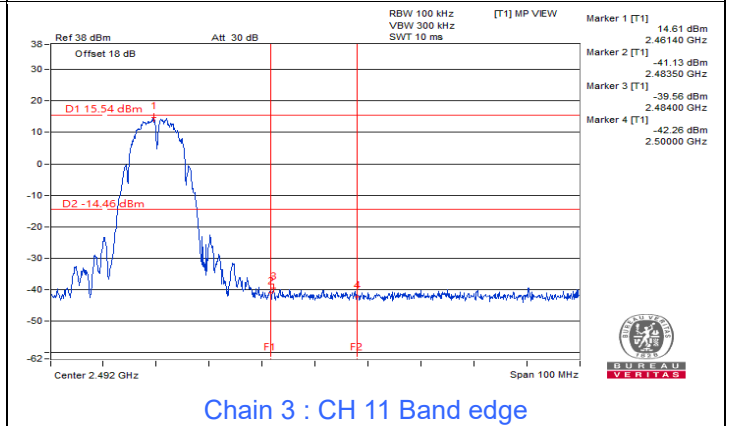
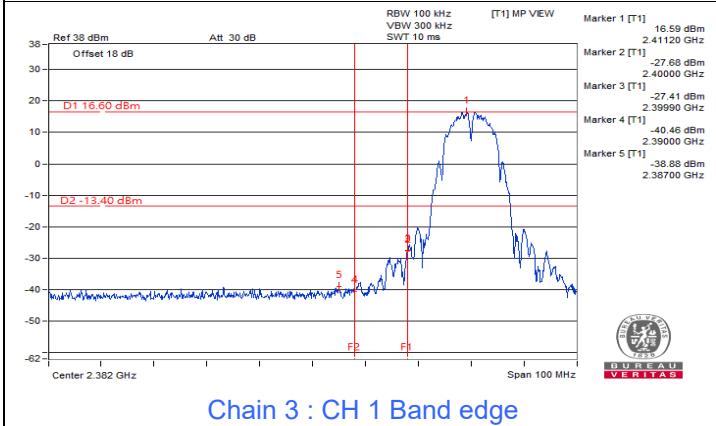
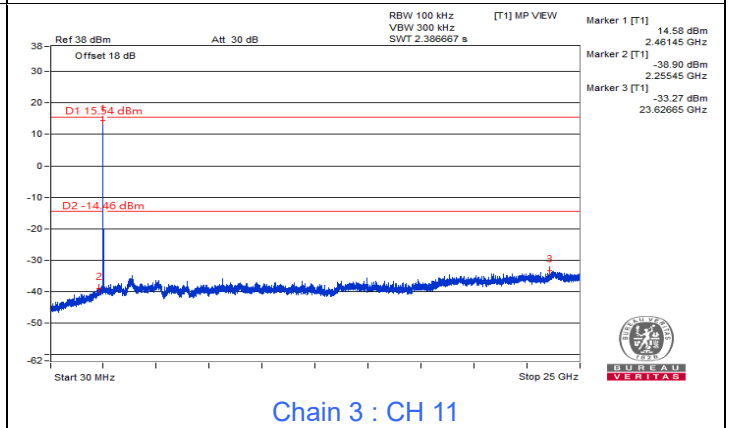
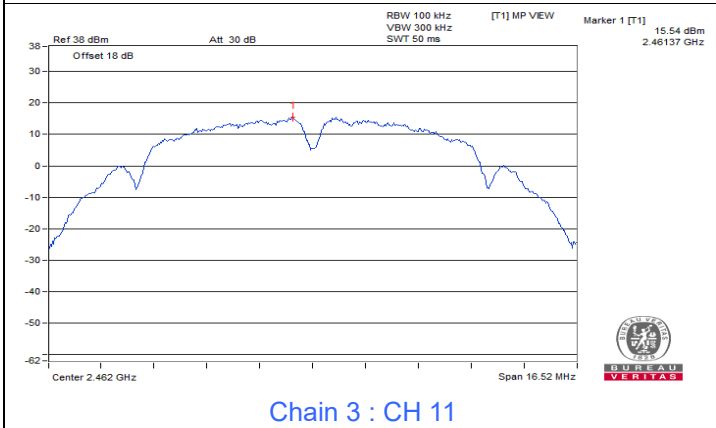
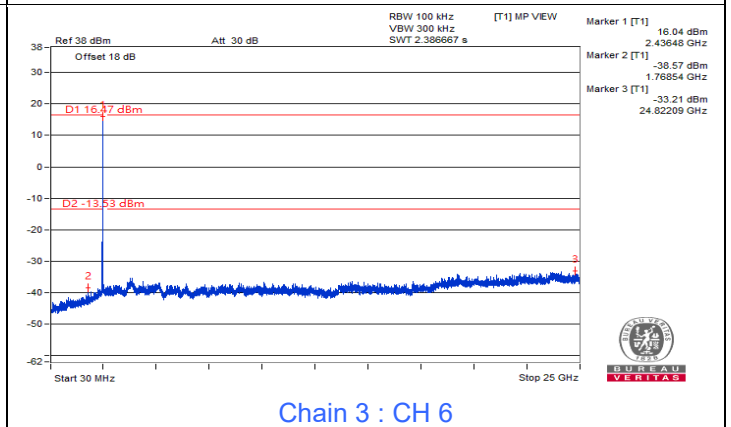
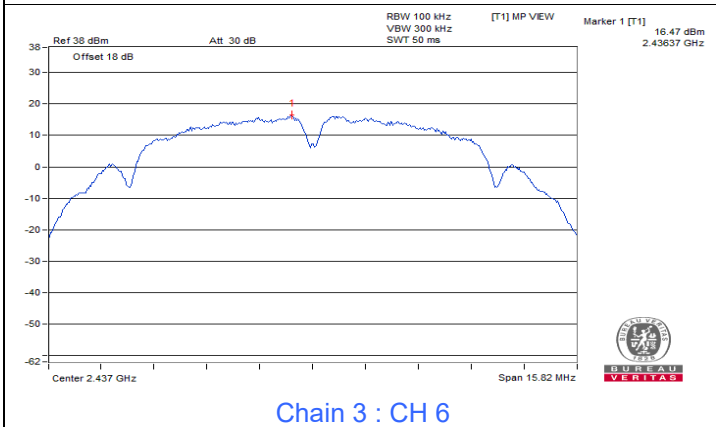
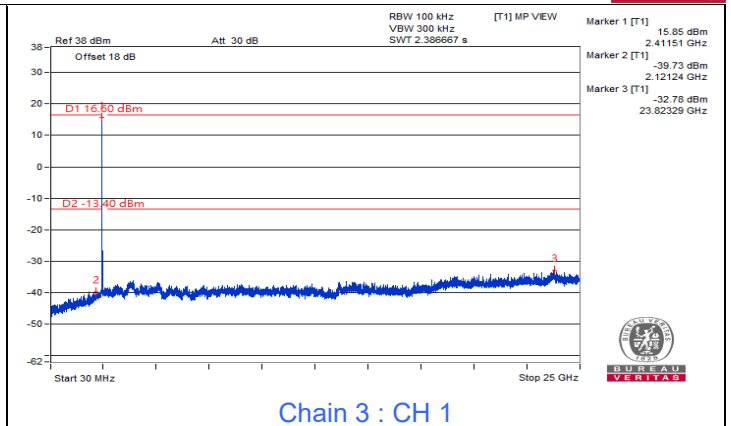
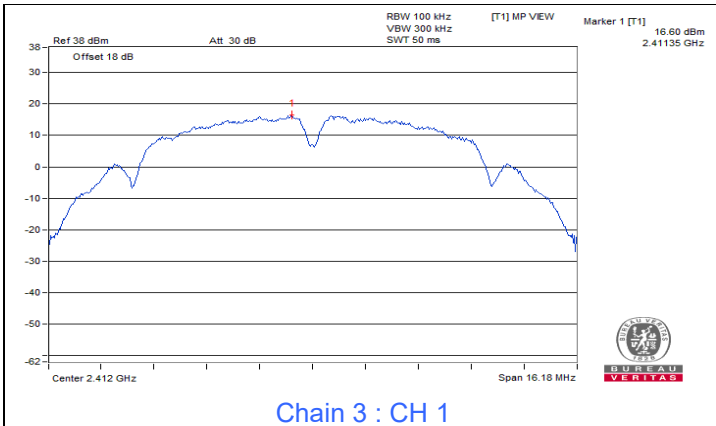
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Henry Hsu
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802.11b

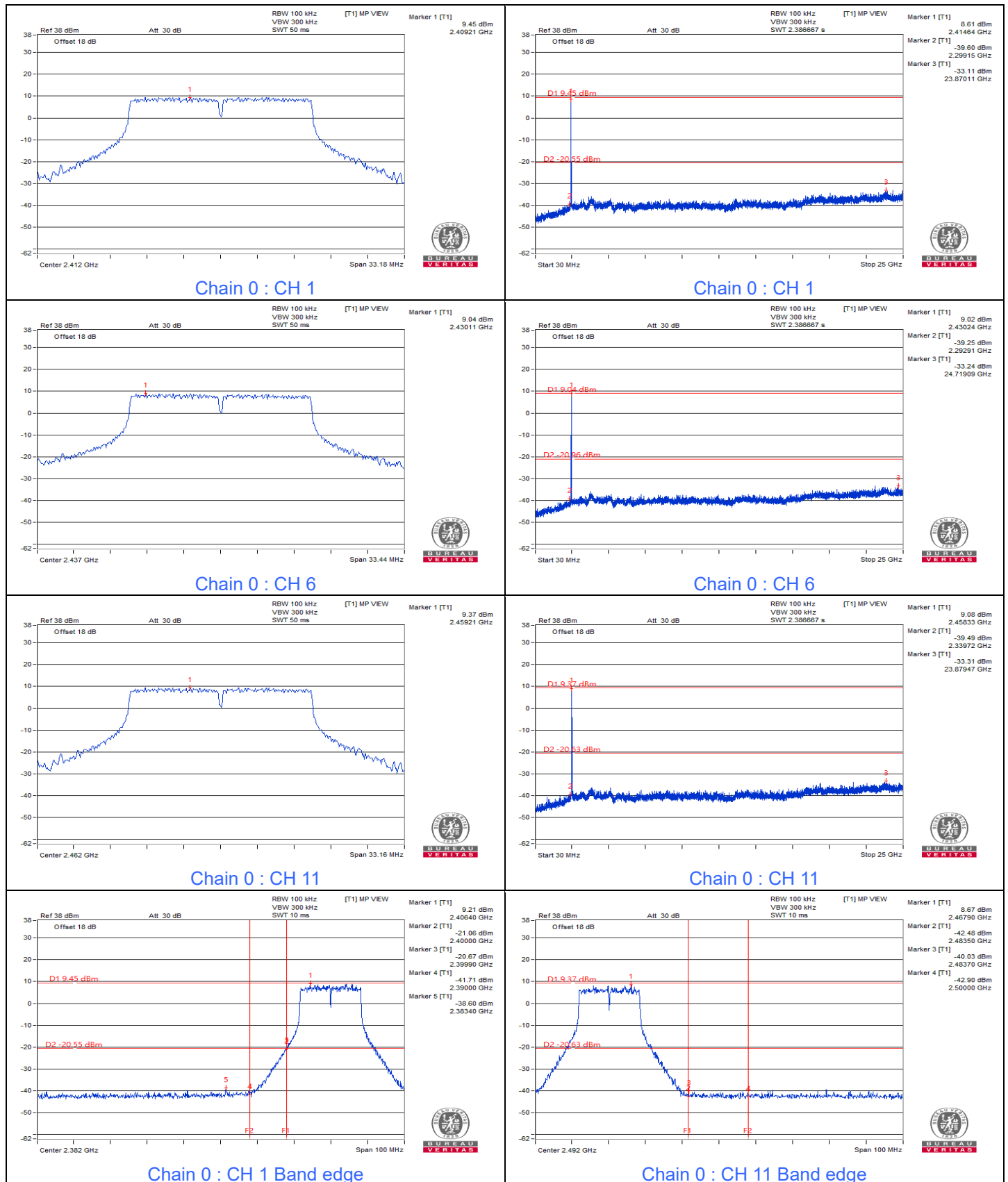


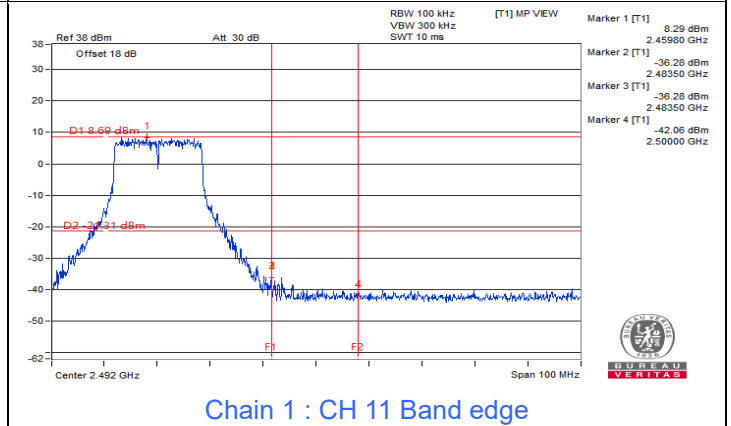
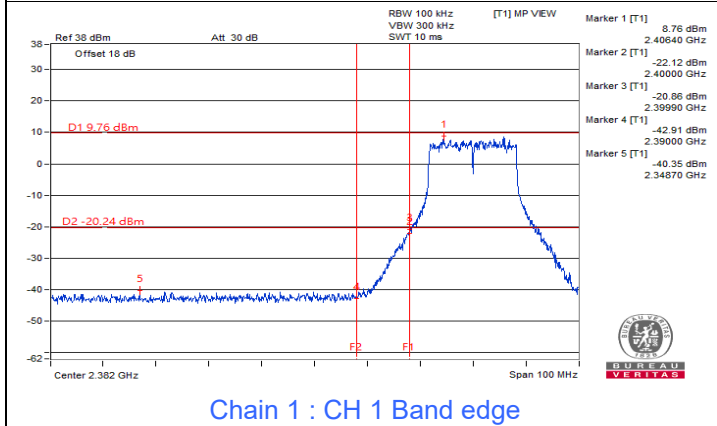
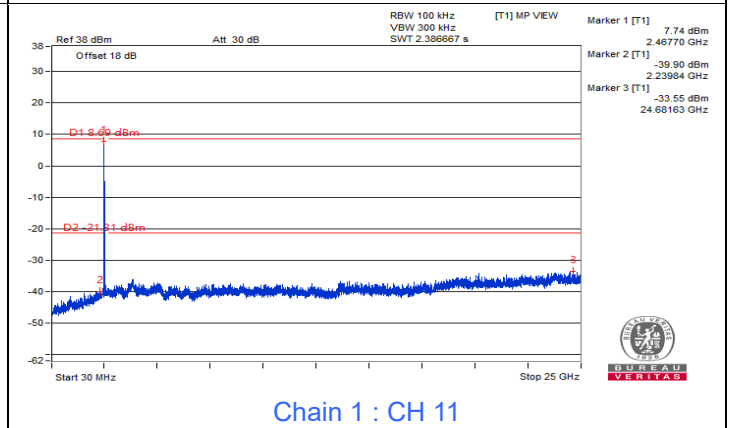
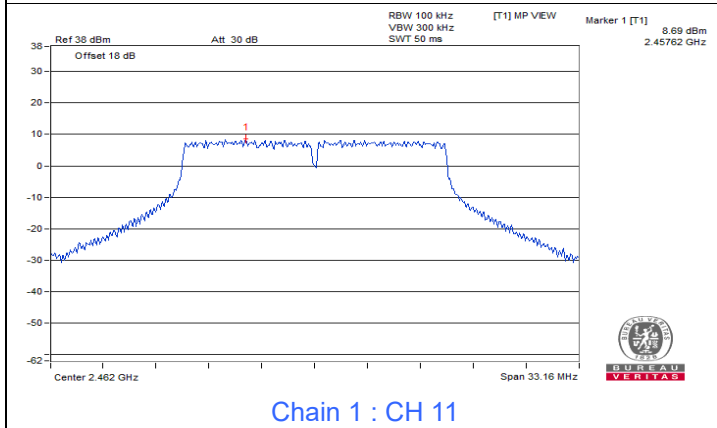
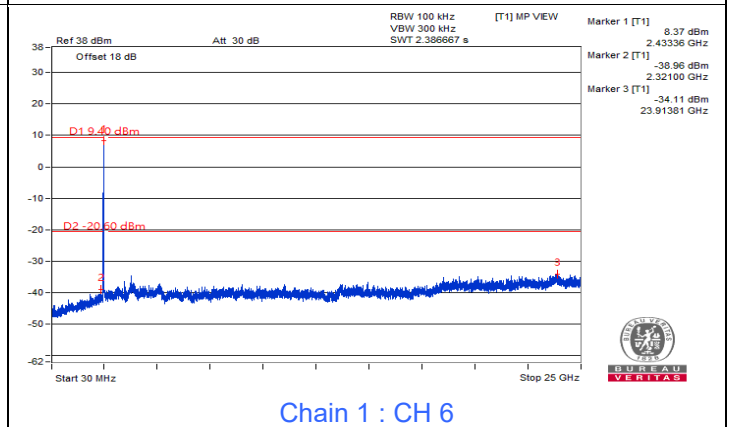
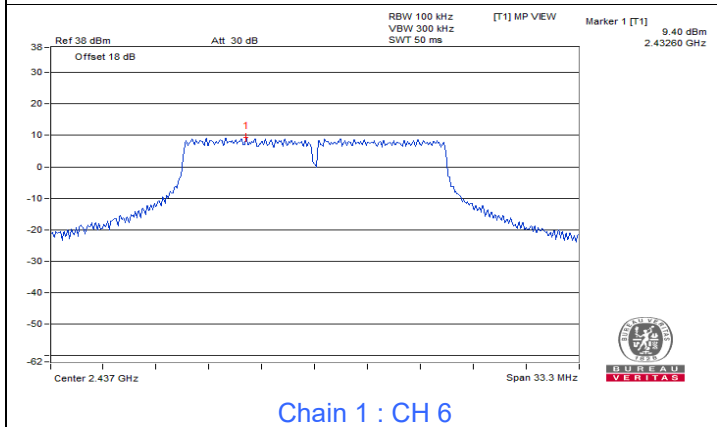
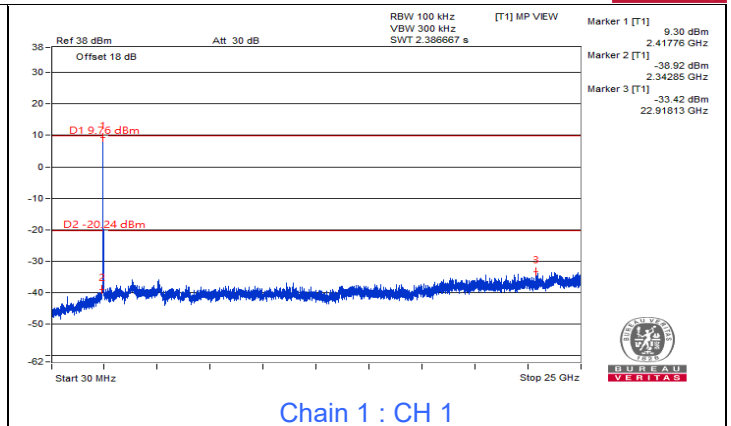
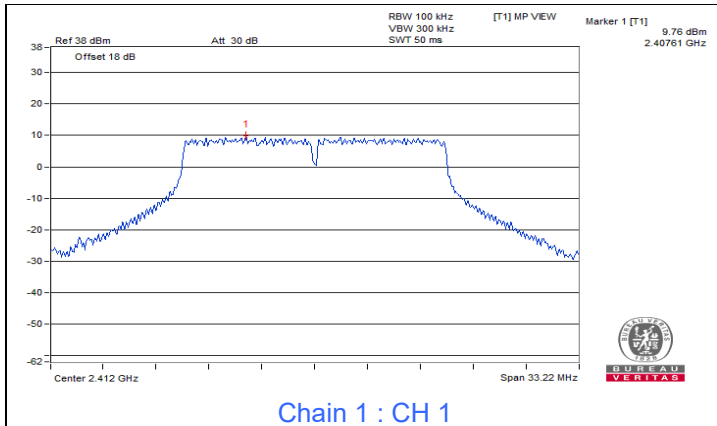


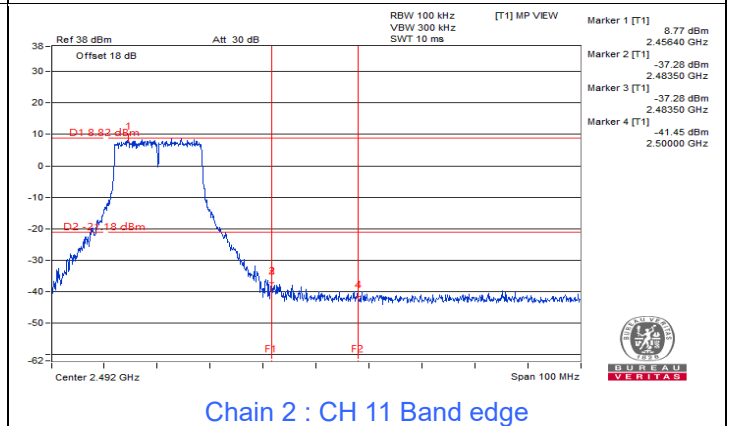
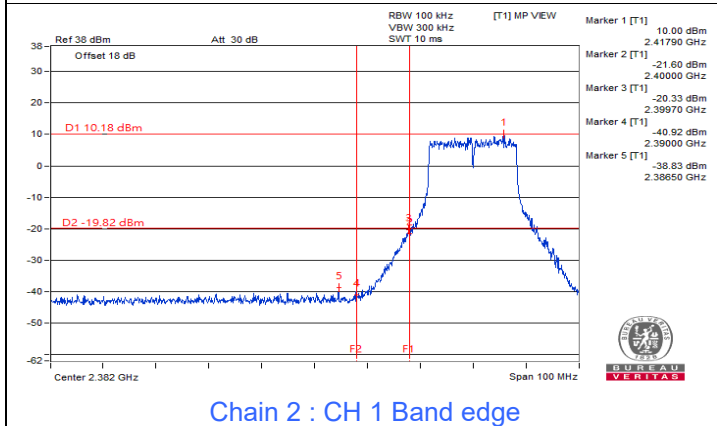
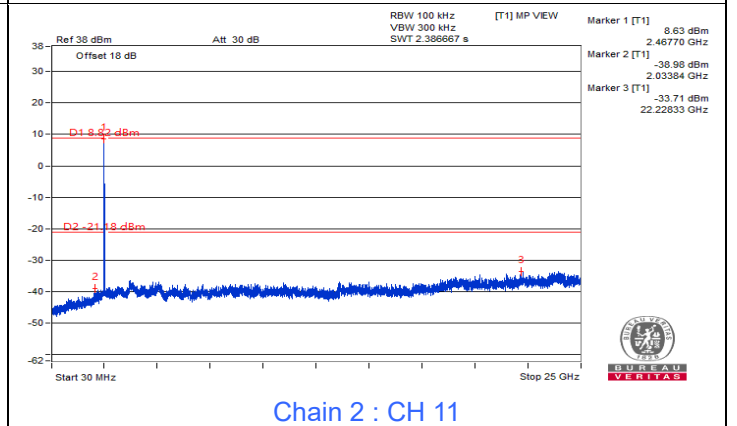
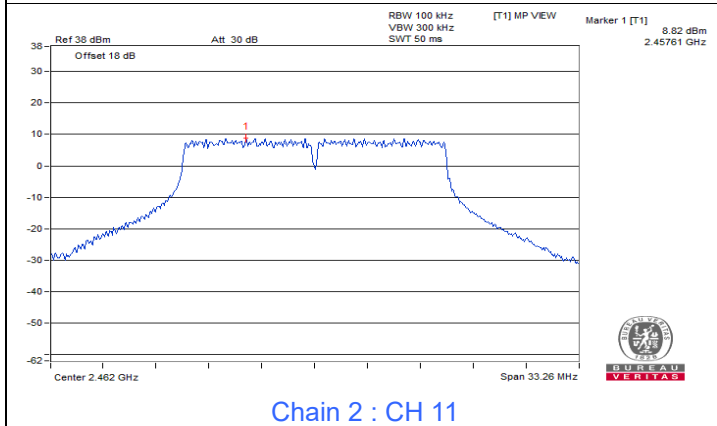
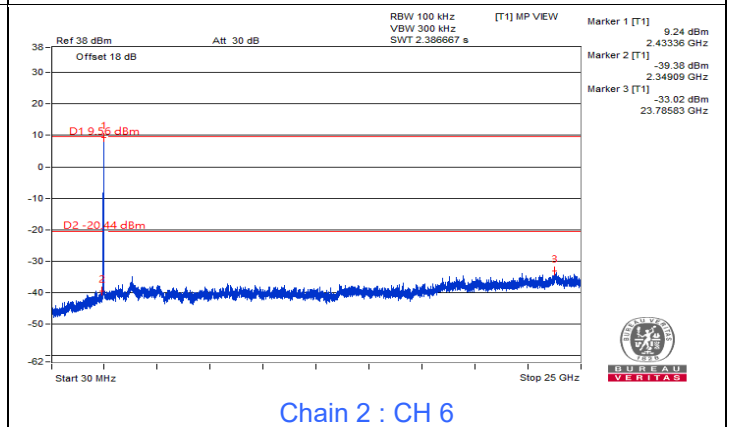
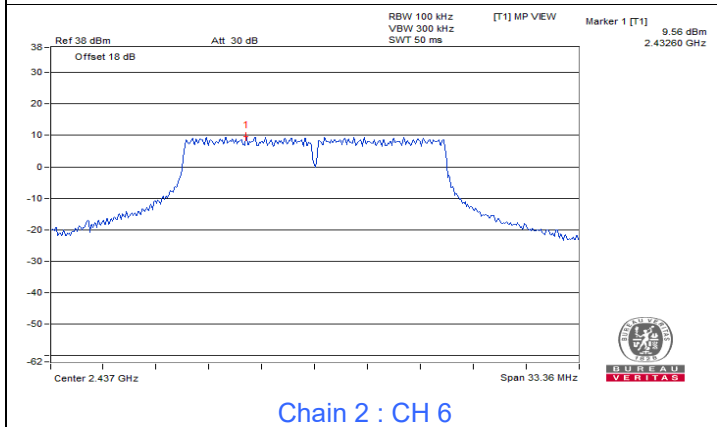
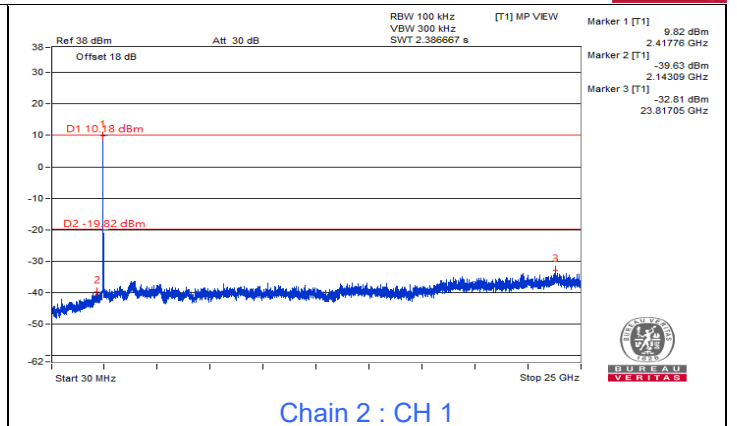
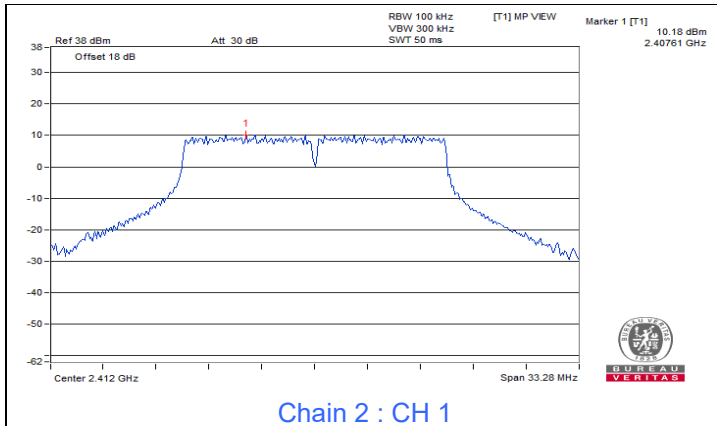


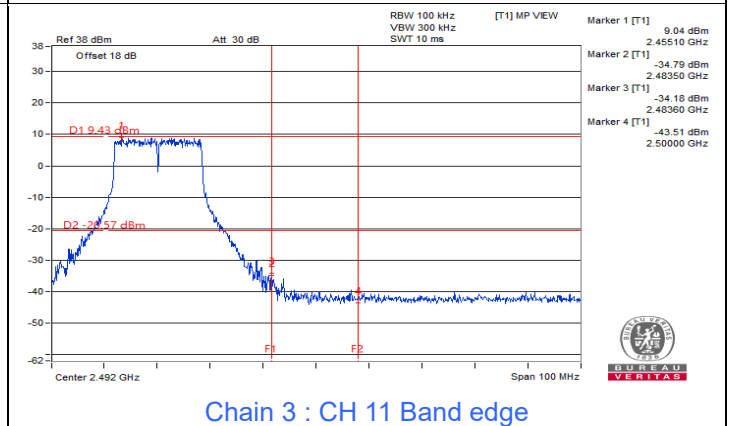
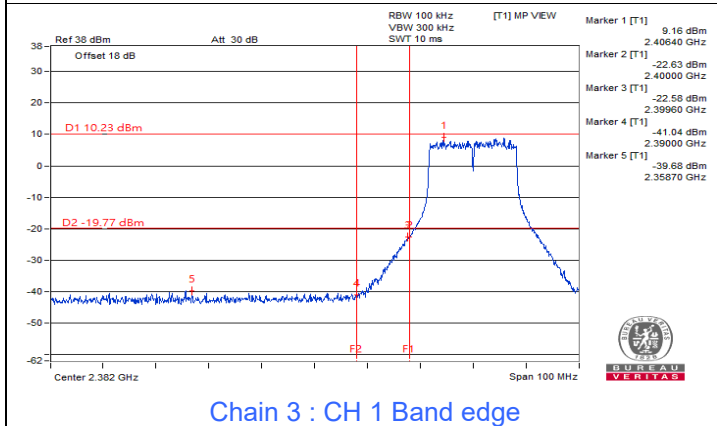
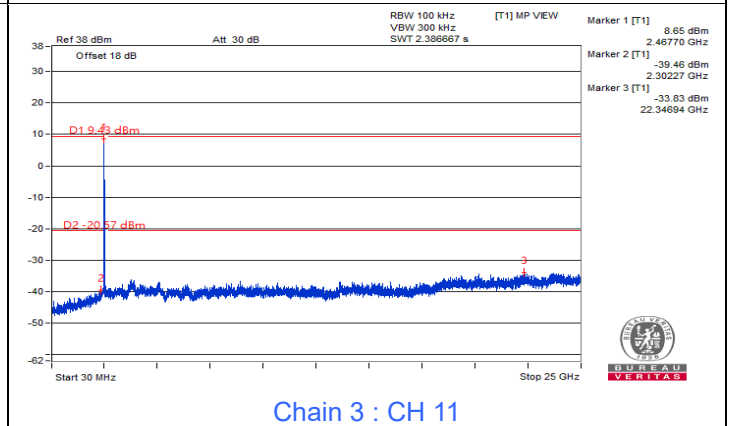
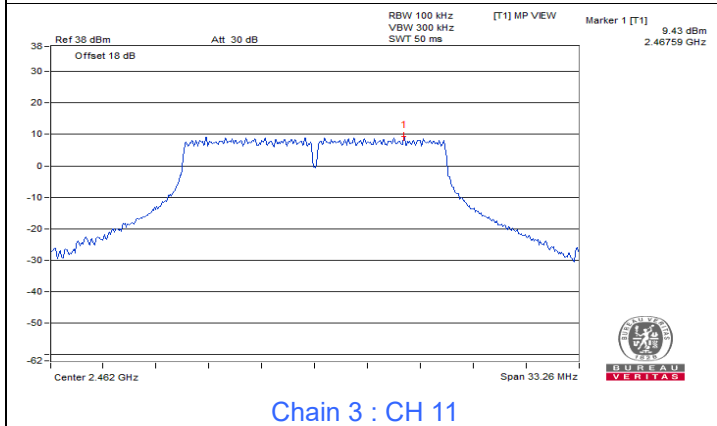
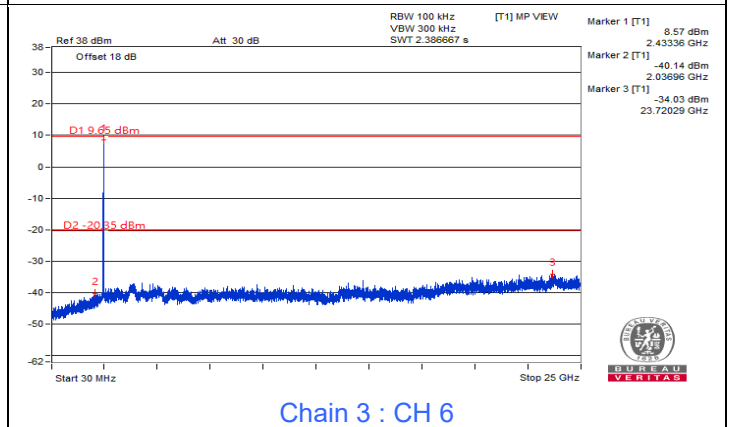
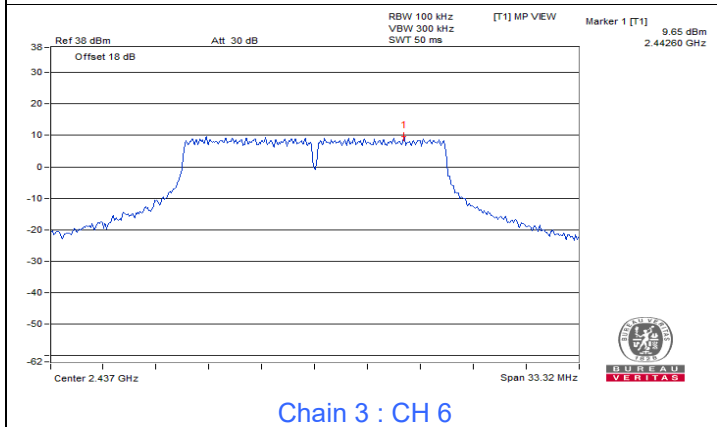
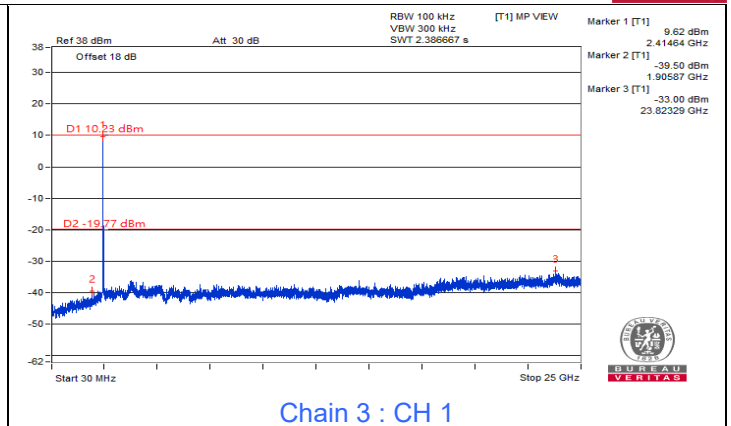
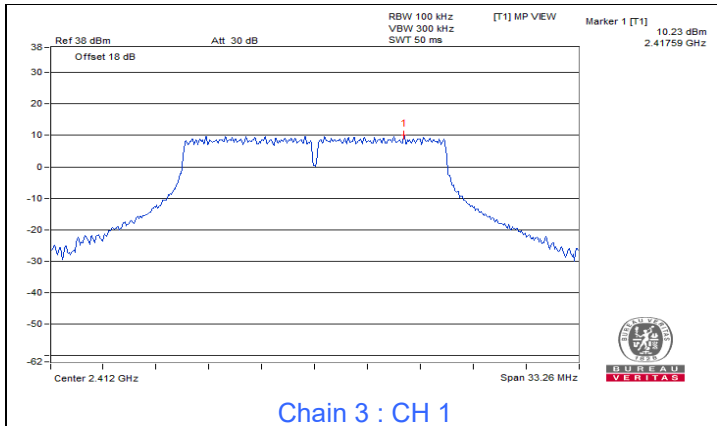


802.11g

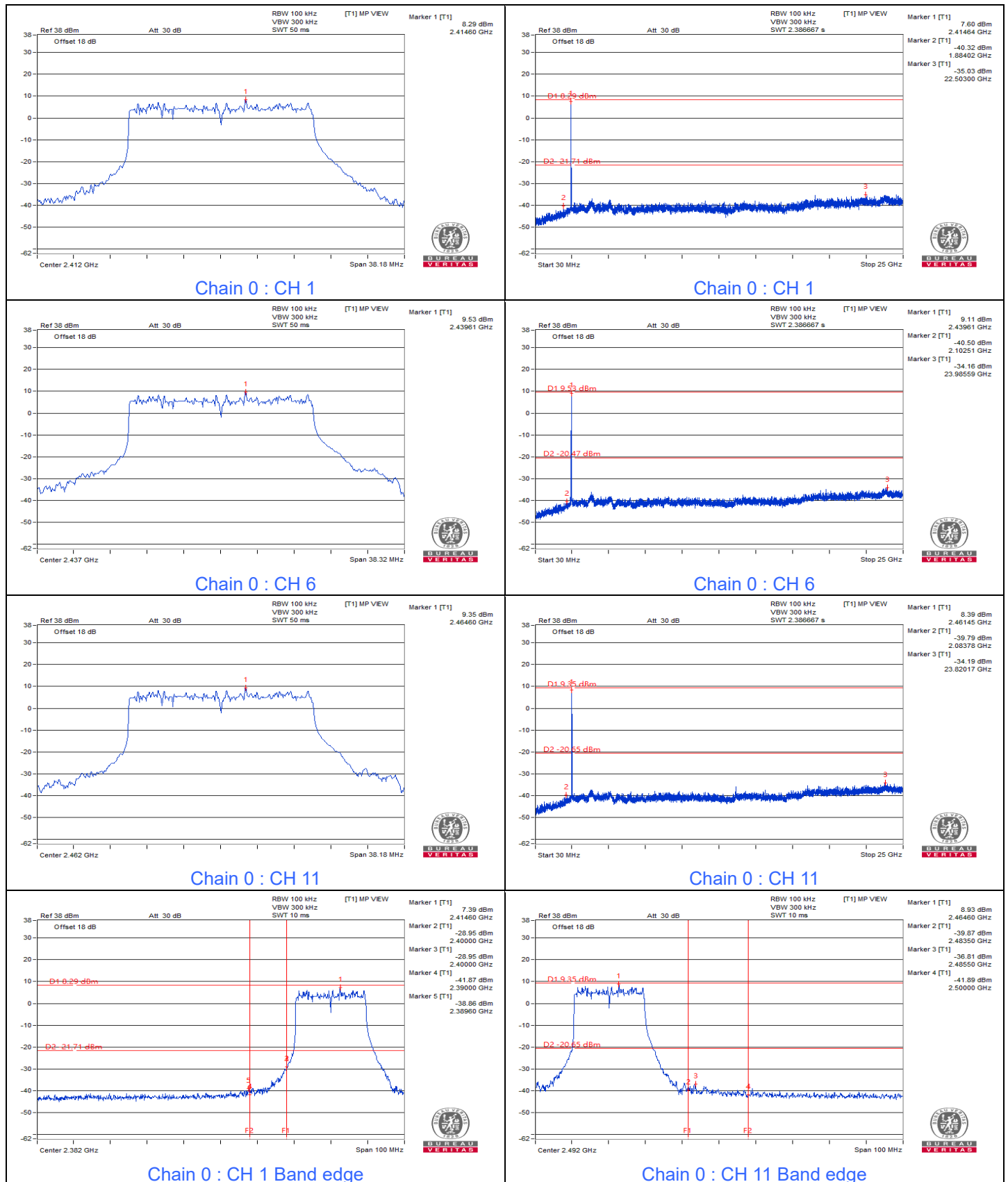


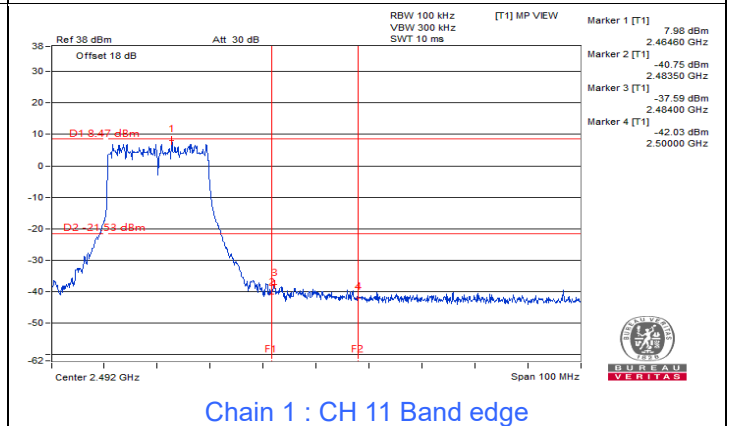
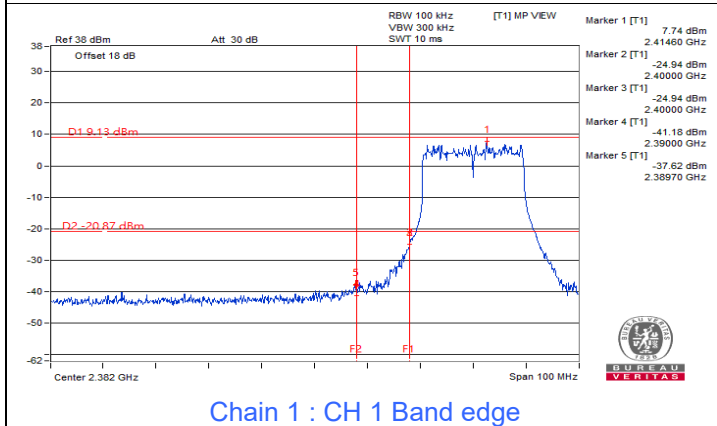
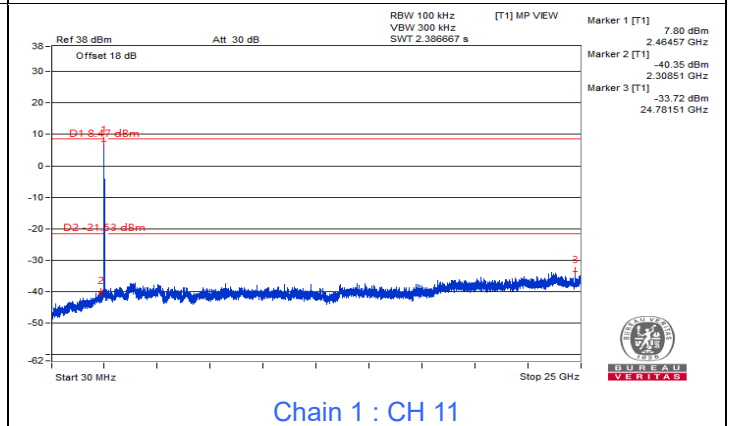
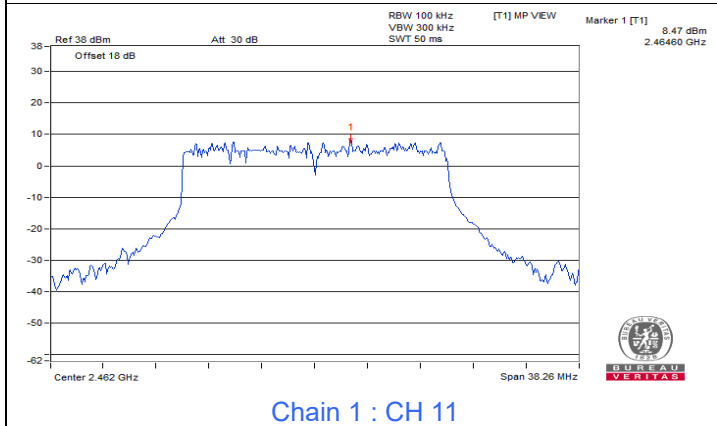
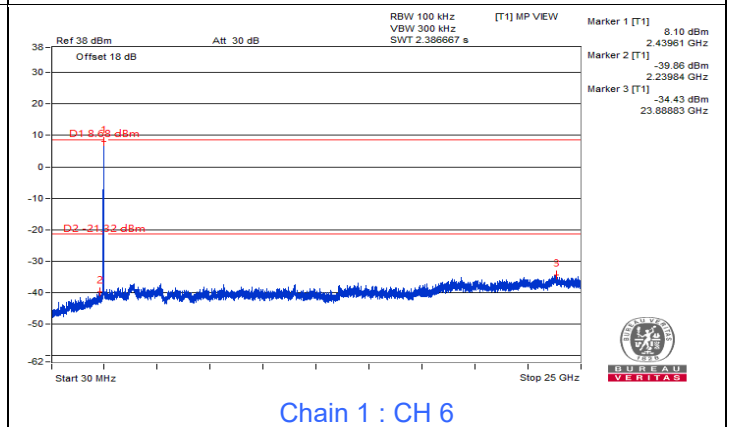
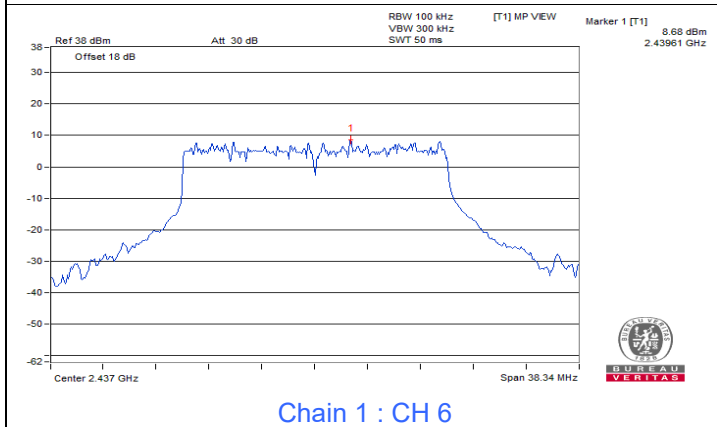
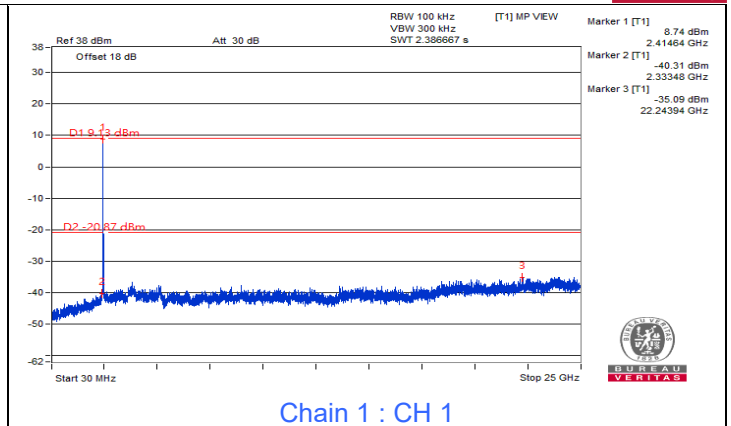
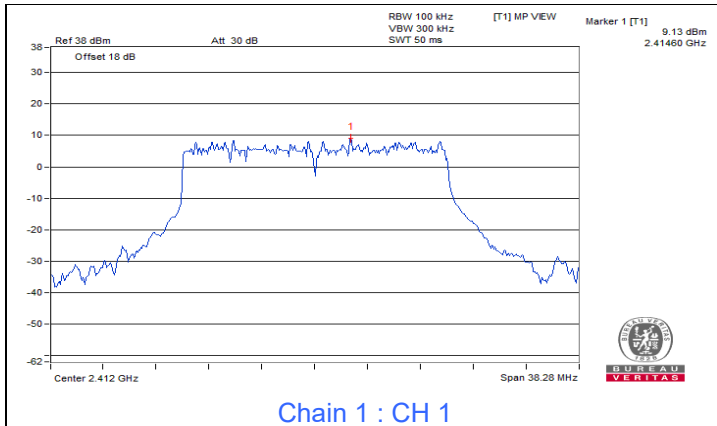


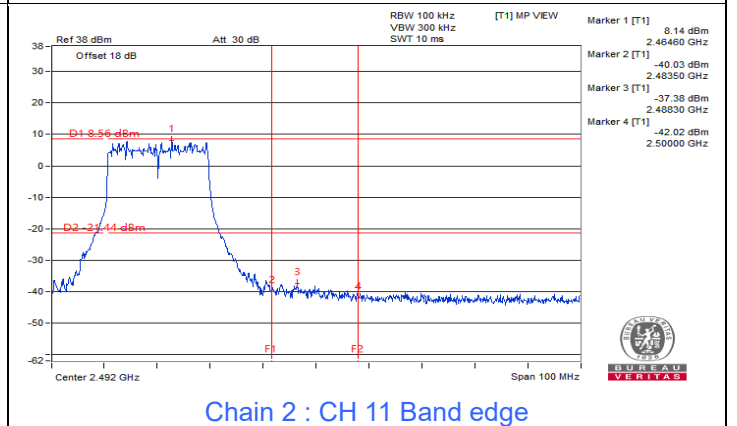
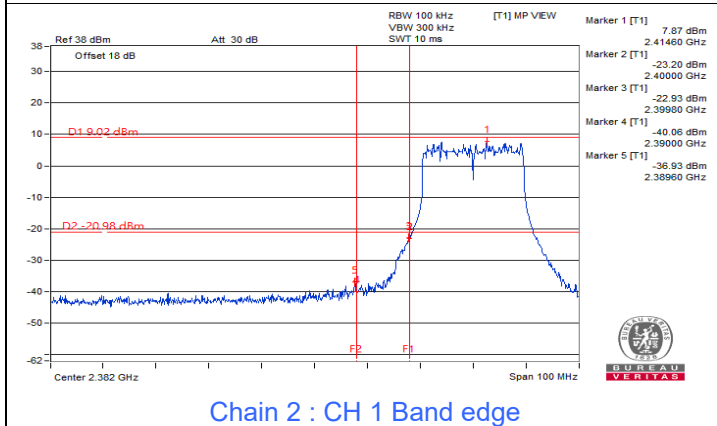
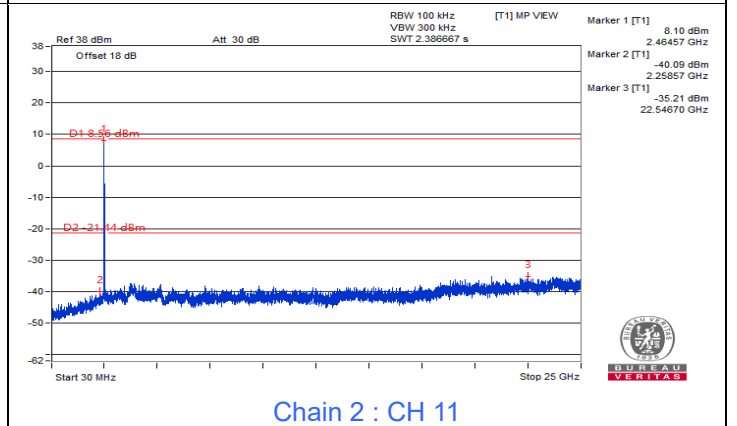
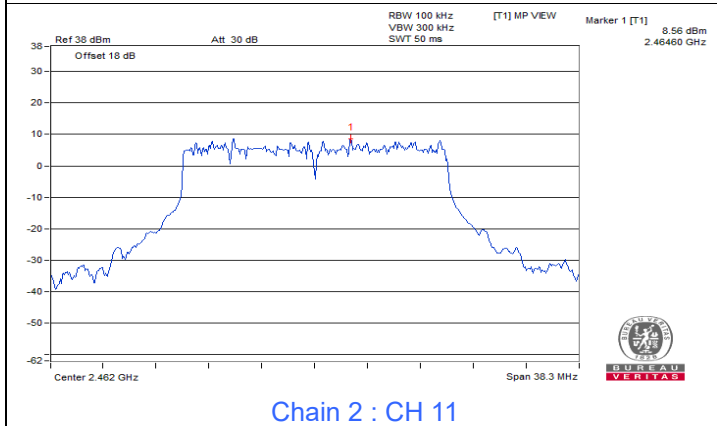
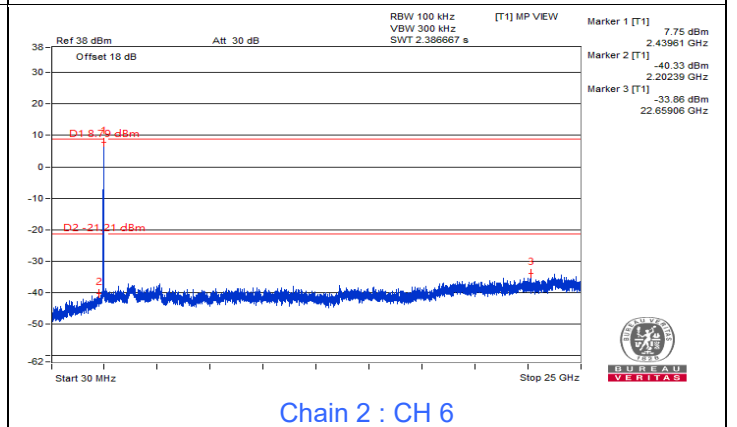
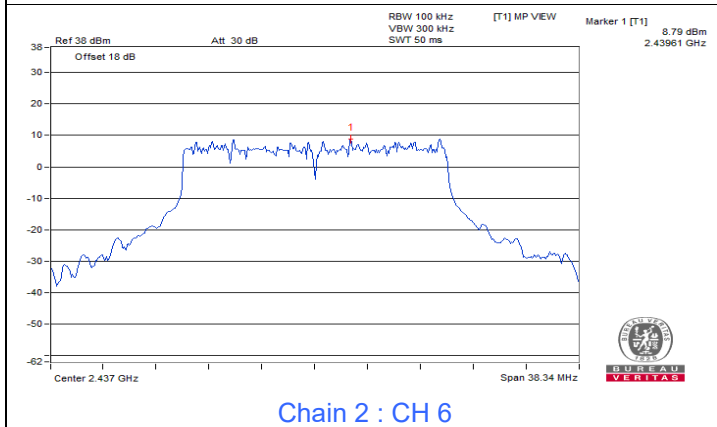
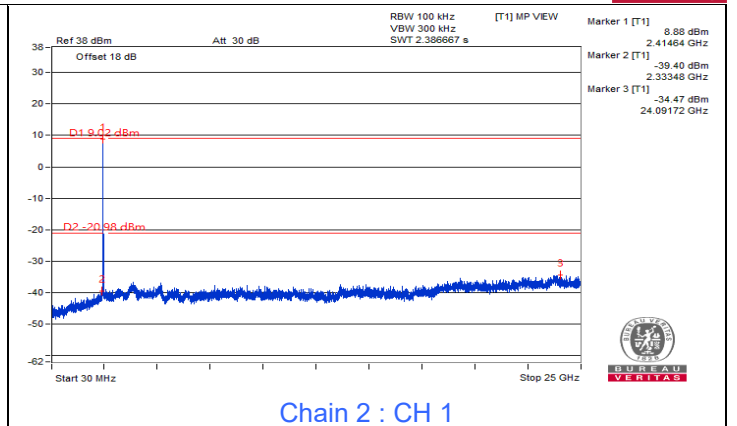
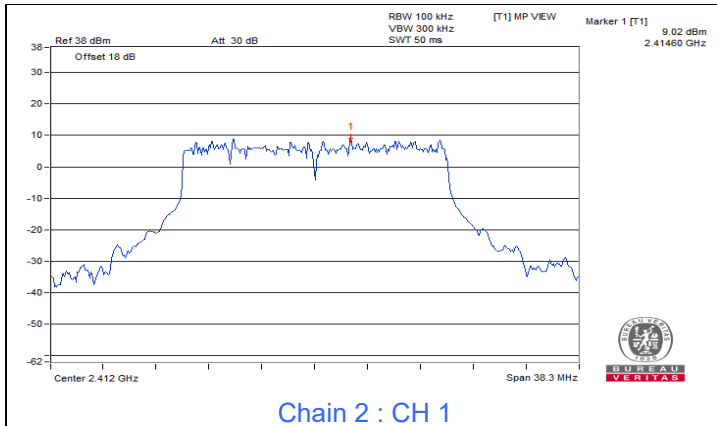




802.11be (EHT20)

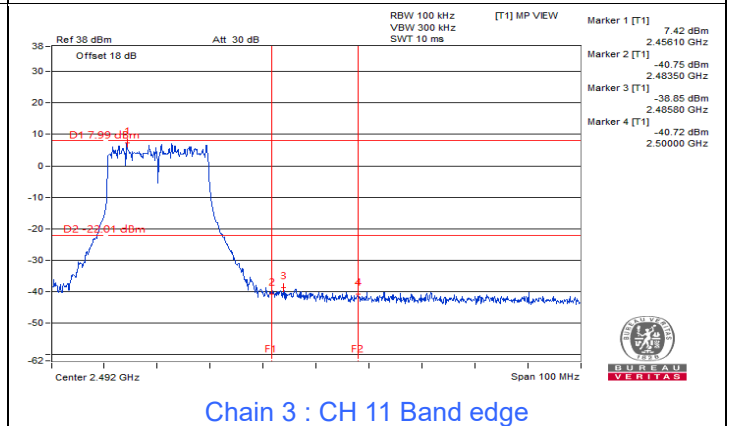
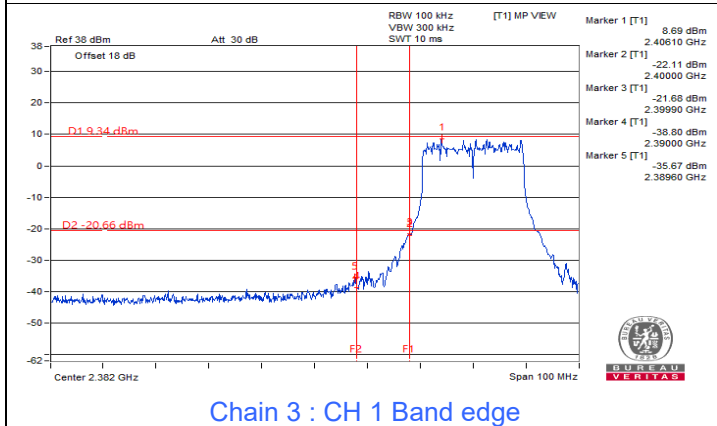
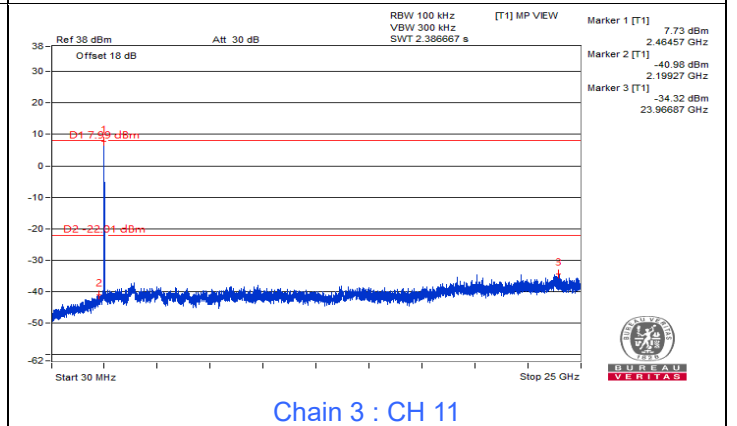
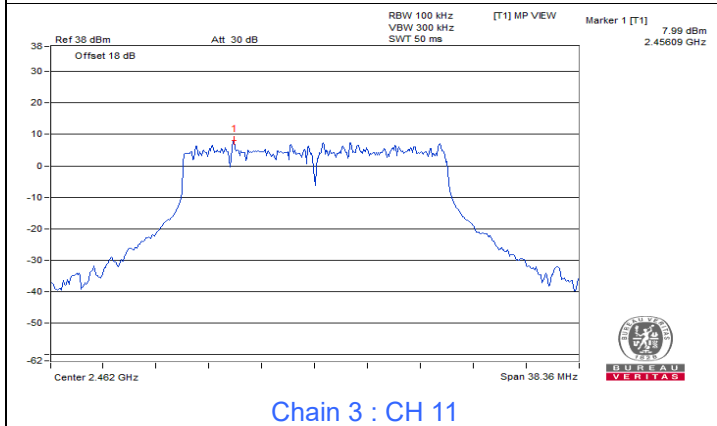
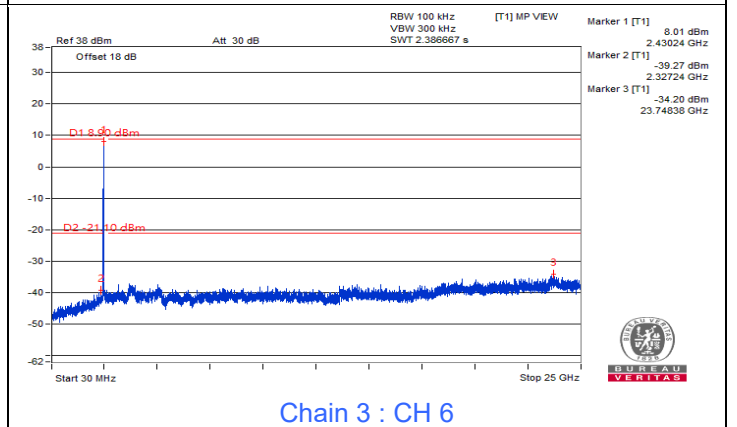
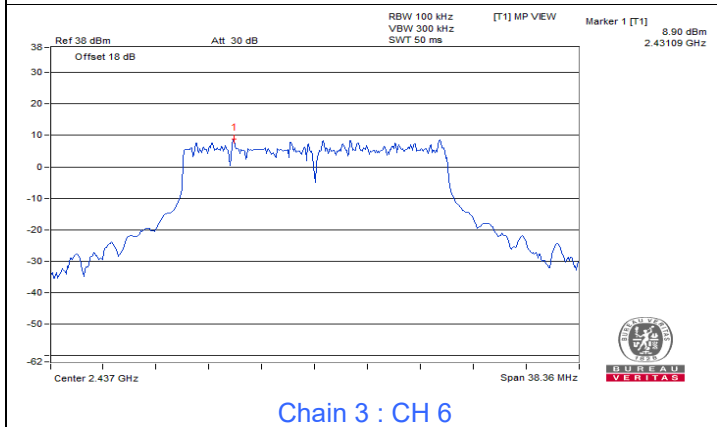
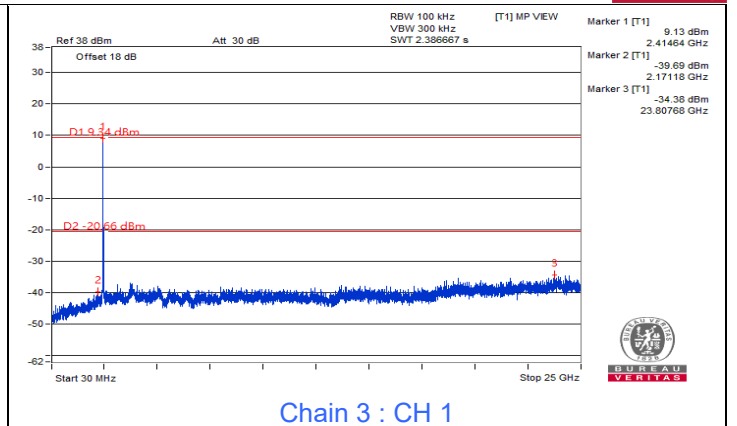
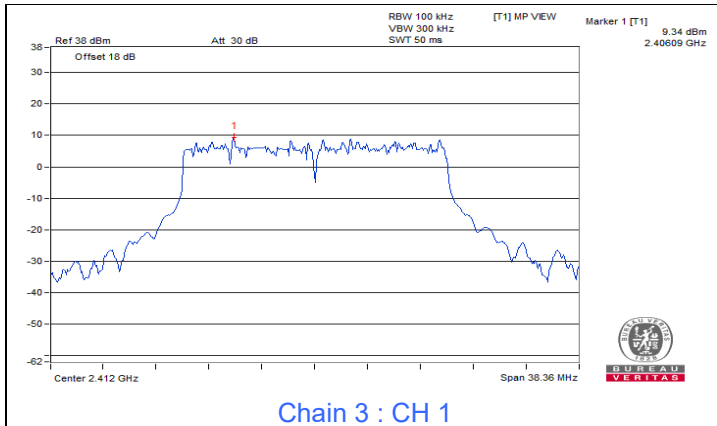






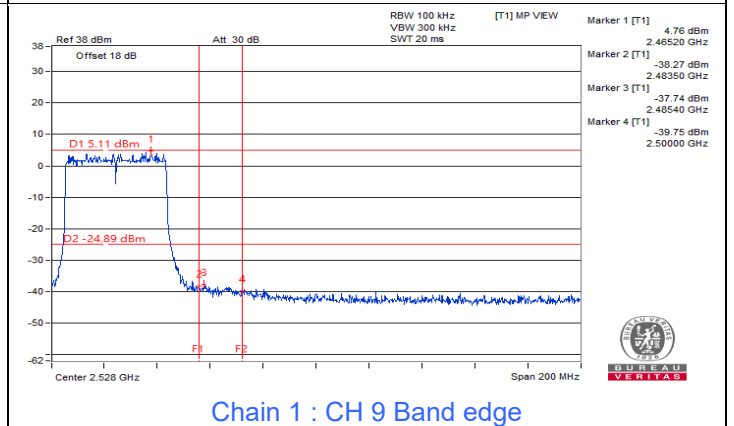
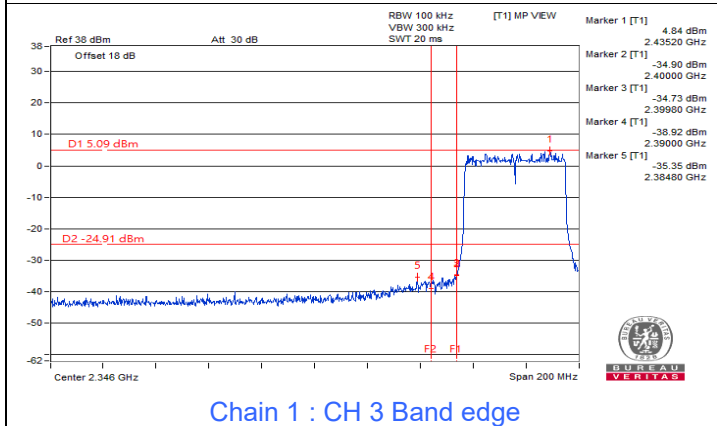
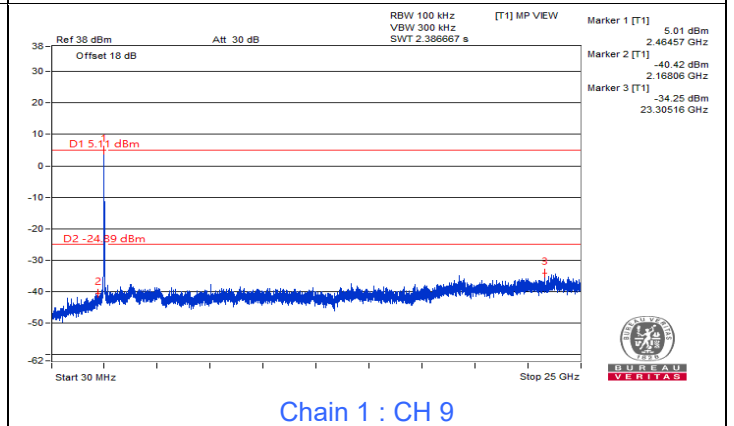
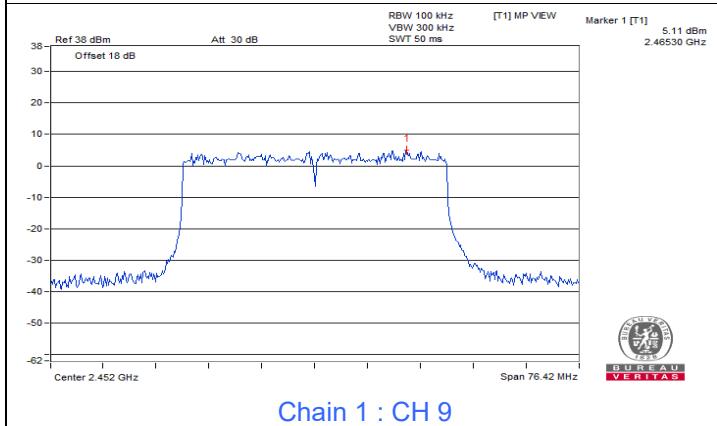
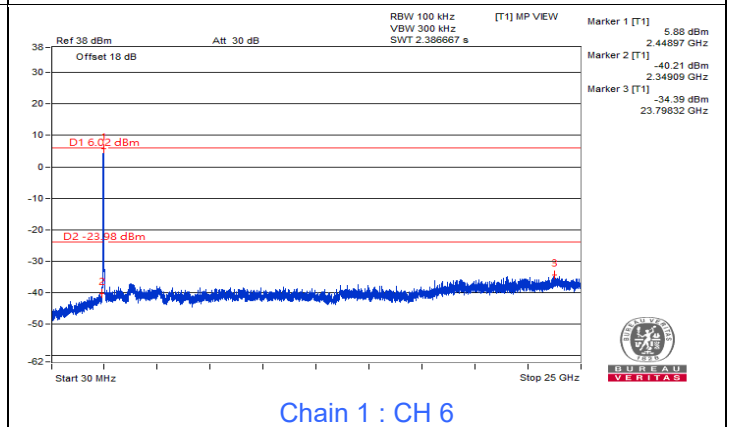
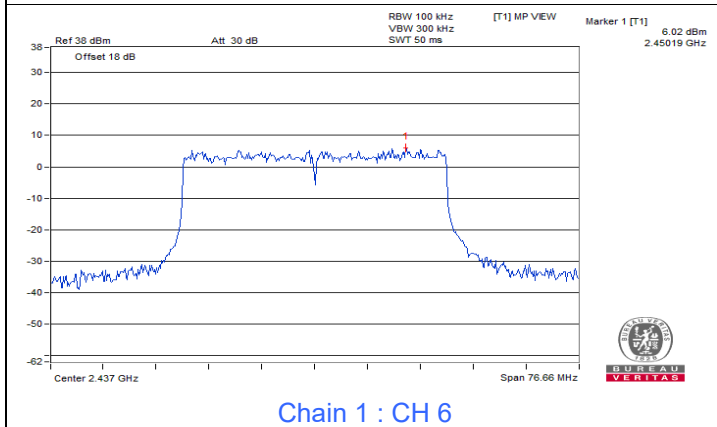
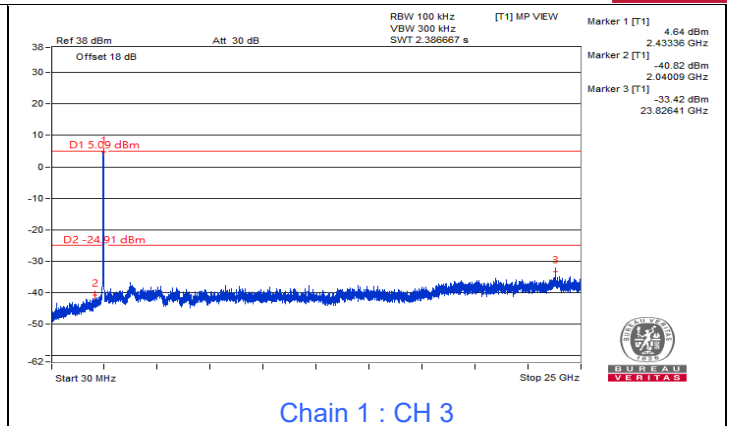
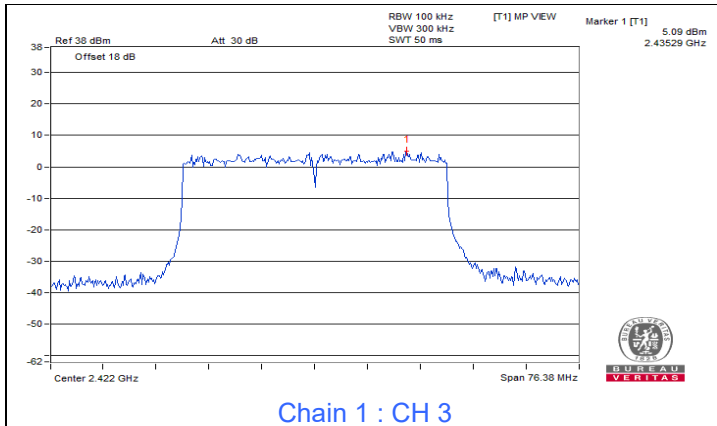


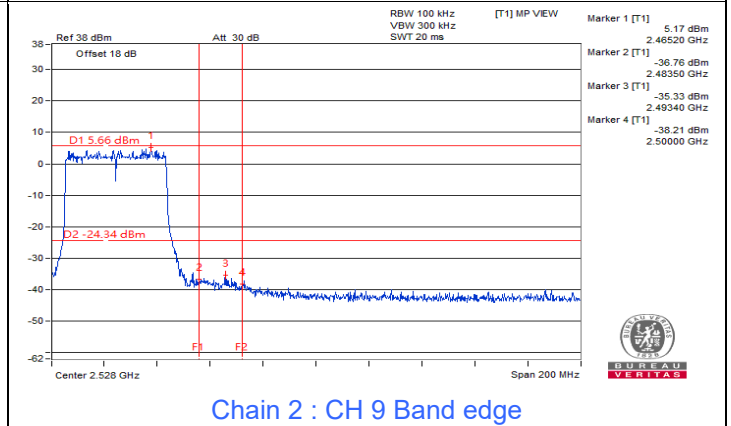
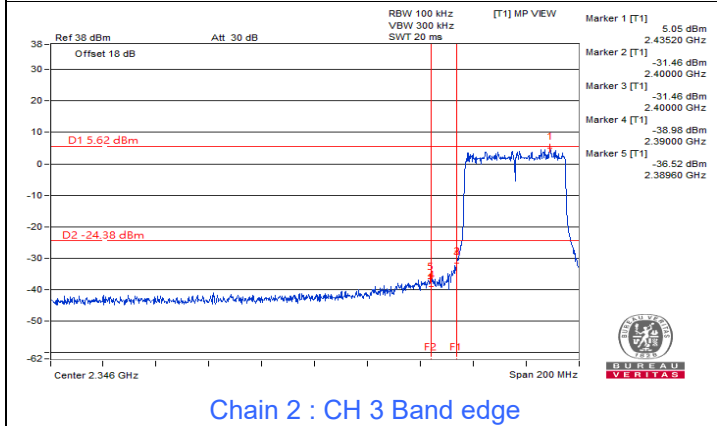
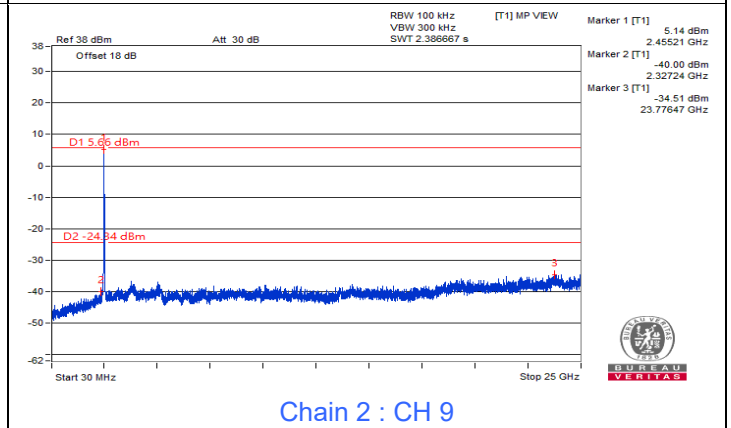
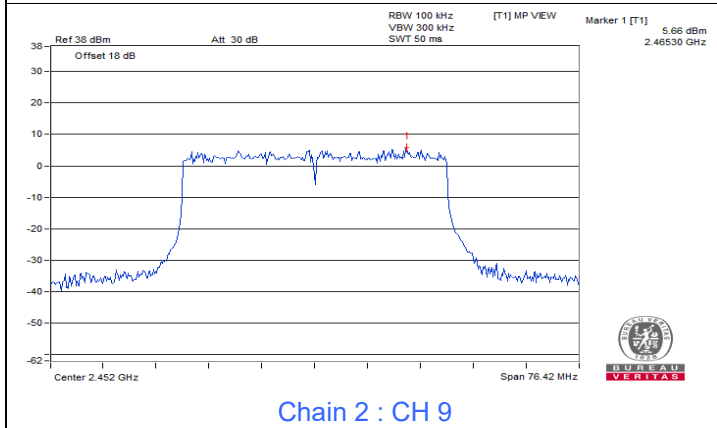
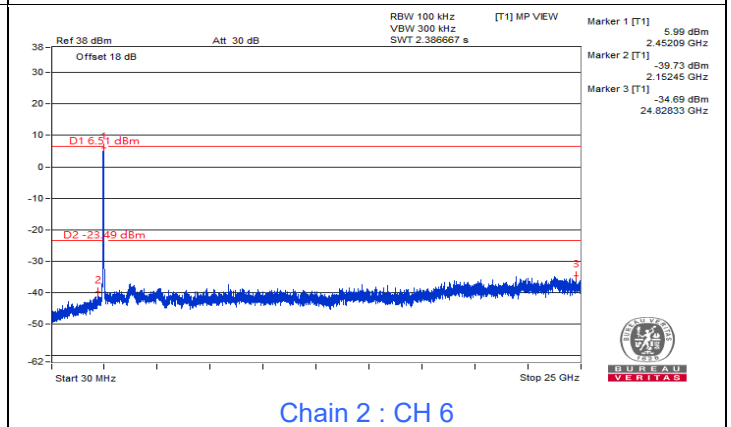
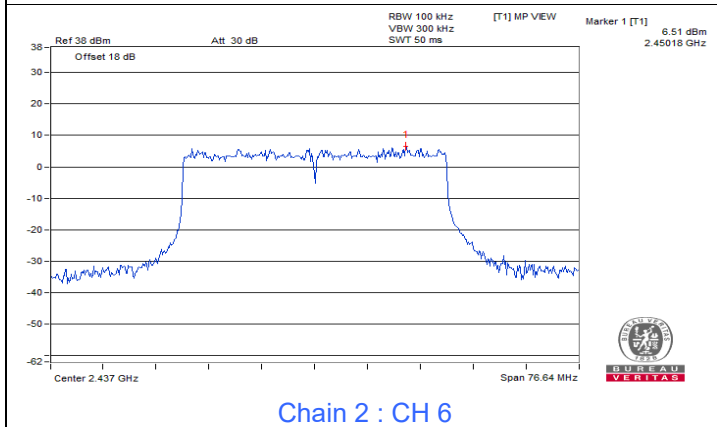
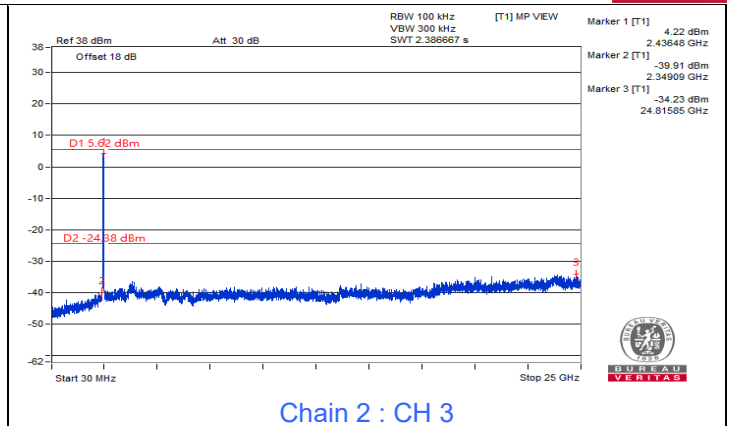
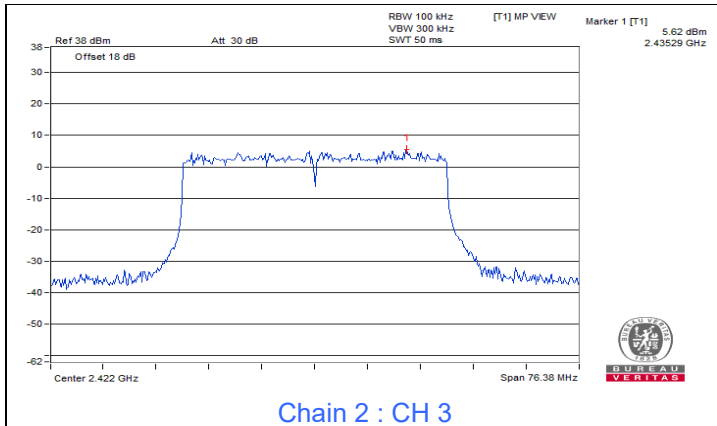
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VERITAS

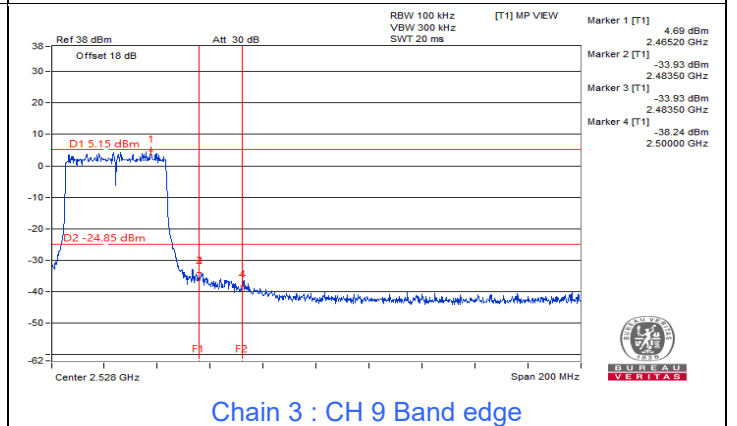
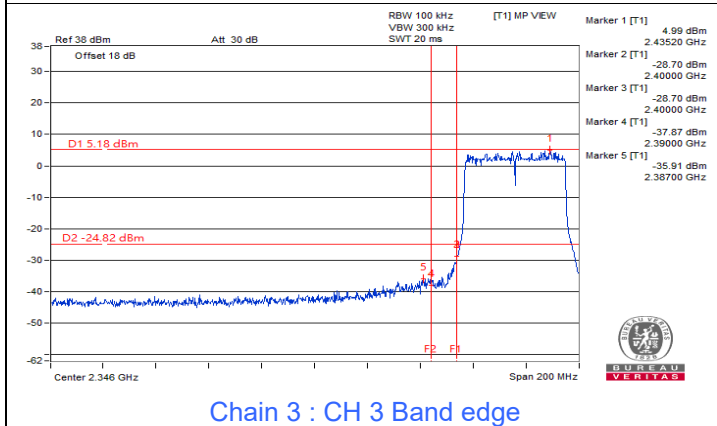
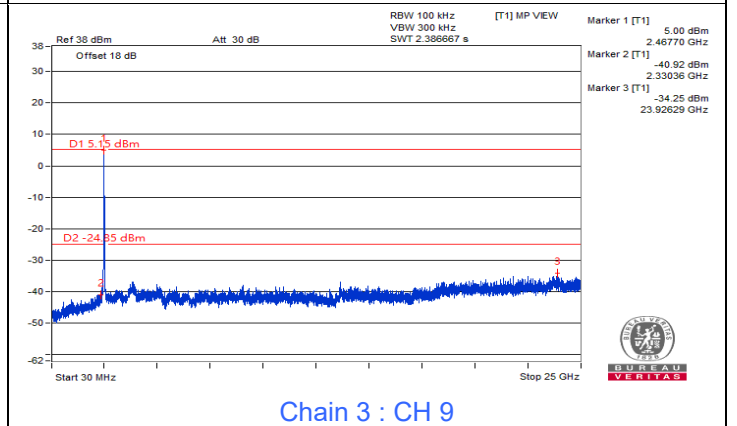
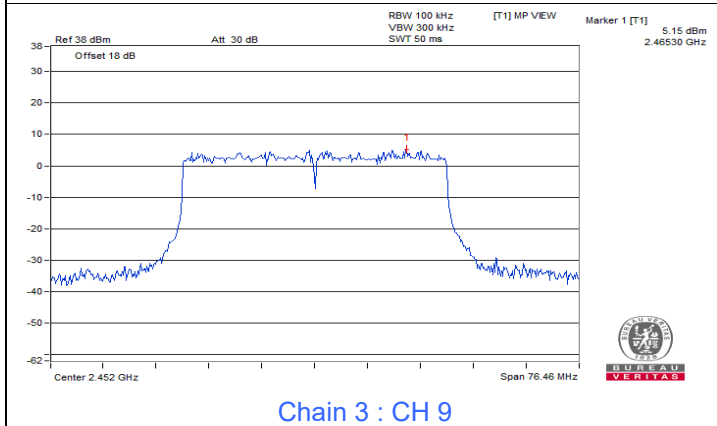
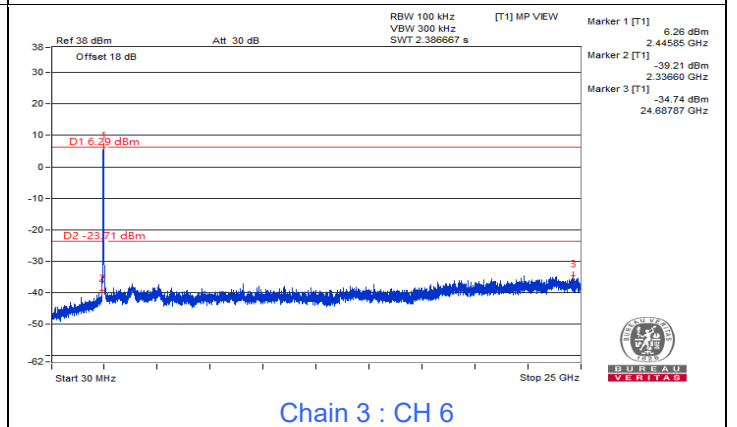
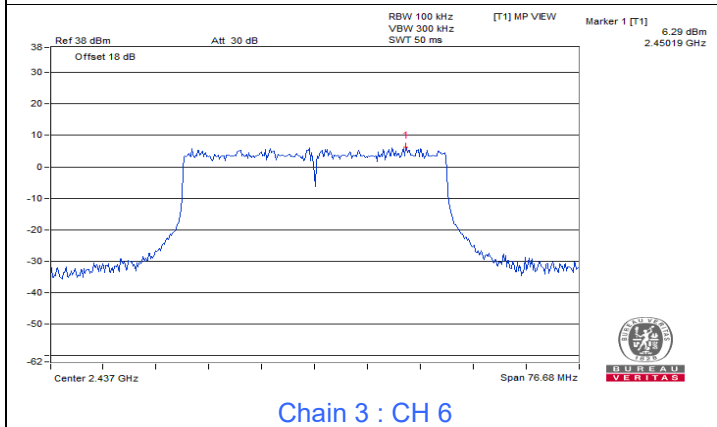
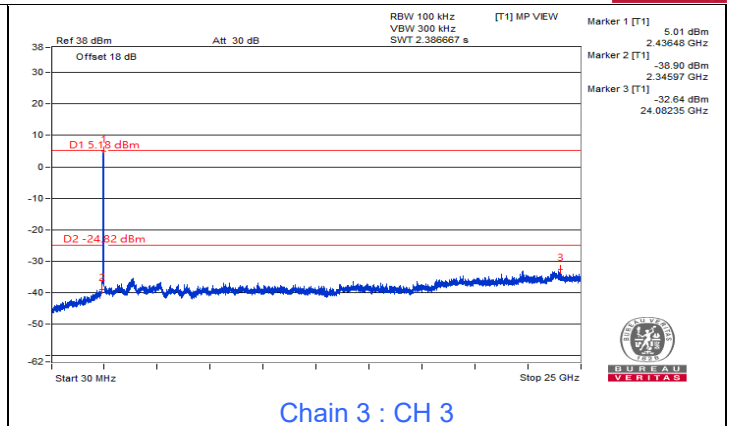
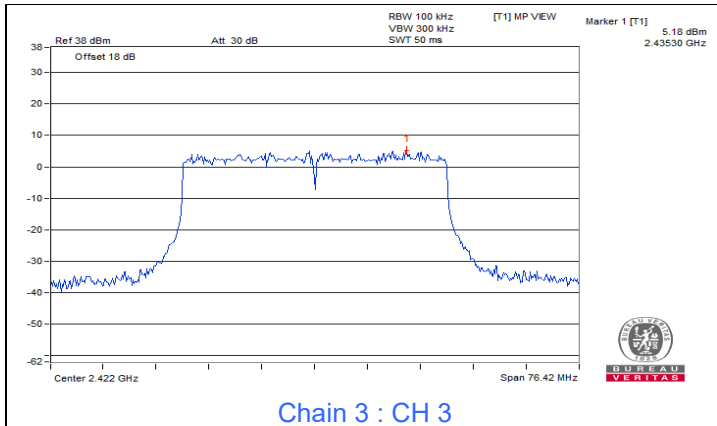


802.11be (EHT40)









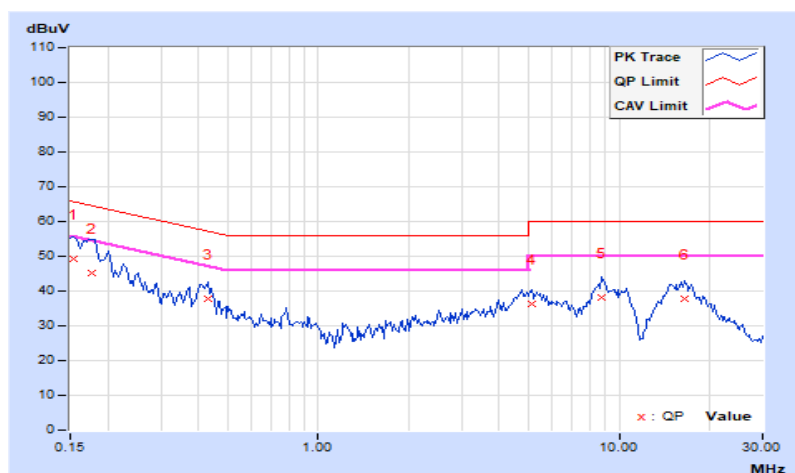
7.5 AC Power Conducted Emissions

RF Mode	802.11be (EHT40)	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Wayne 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	9.96	39.35	26.92	49.31	36.88	65.79	55.79	-16.48	-18.91
2	0.17734	9.96	35.28	21.26	45.24	31.22	64.61	54.61	-19.37	-23.39
3	0.43125	9.99	27.70	17.46	37.69	27.45	57.23	47.23	-19.54	-19.78
4	5.09766	10.31	26.01	20.87	36.32	31.18	60.00	50.00	-23.68	-18.82
5	8.75781	10.55	27.76	22.45	38.31	33.00	60.00	50.00	-21.69	-17.00
6	16.56250	11.06	26.82	21.99	37.88	33.05	60.00	50.00	-22.12	-16.95

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

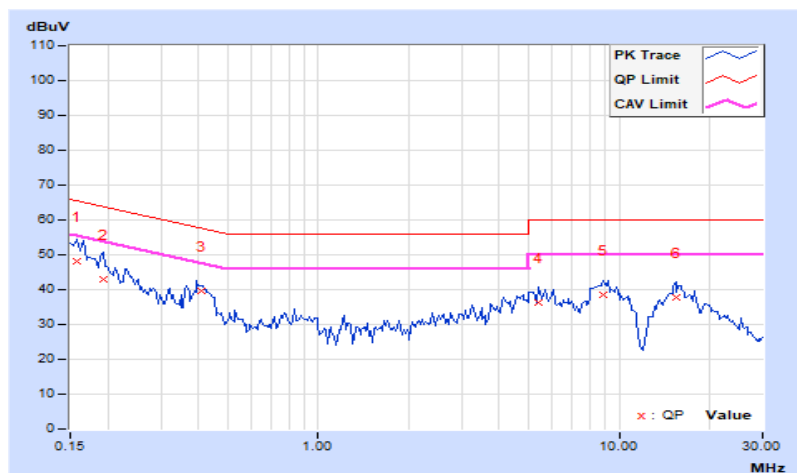


RF Mode	802.11be (EHT40)	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Wayne Chen		

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	9.98	38.16	25.28	48.14	35.26	65.58	55.58	-17.44	-20.32
2	0.19297	9.97	32.92	17.54	42.89	27.51	63.91	53.91	-21.02	-26.40
3	0.40781	9.93	29.87	24.47	39.80	34.40	57.69	47.69	-17.89	-13.29
4	5.41797	10.22	26.01	20.02	36.23	30.24	60.00	50.00	-23.77	-19.76
5	8.90625	10.40	28.04	22.63	38.44	33.03	60.00	50.00	-21.56	-16.97
6	15.39844	10.73	27.22	22.15	37.95	32.88	60.00	50.00	-22.05	-17.12

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



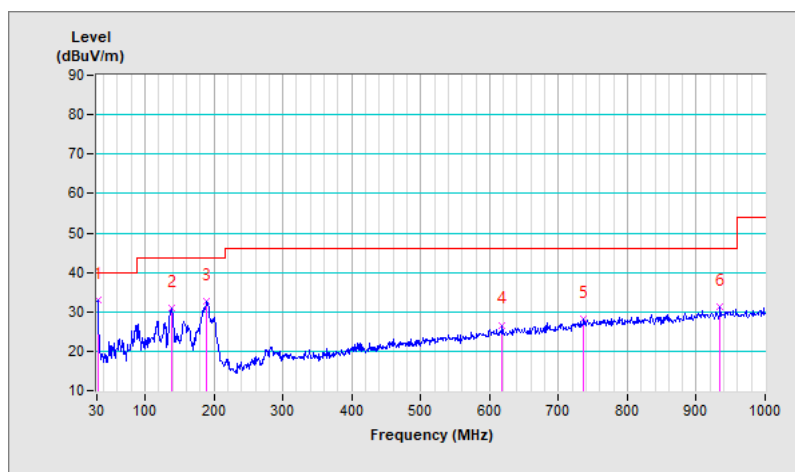
7.6 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT40)	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 65% RH
Tested By	Tank Wu		

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	30.97	32.9 PK	40.0	-7.1	1.01 H	192	46.9	-14.0
2	138.64	30.9 PK	43.5	-12.6	1.01 H	172	44.0	-13.1
3	189.08	32.7 PK	43.5	-10.8	1.01 H	159	48.0	-15.3
4	618.79	26.7 PK	46.0	-19.3	1.01 H	254	31.3	-4.6
5	737.13	28.2 PK	46.0	-17.8	2.00 H	239	30.8	-2.6
6	934.04	31.4 PK	46.0	-14.6	2.00 H	222	31.1	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.

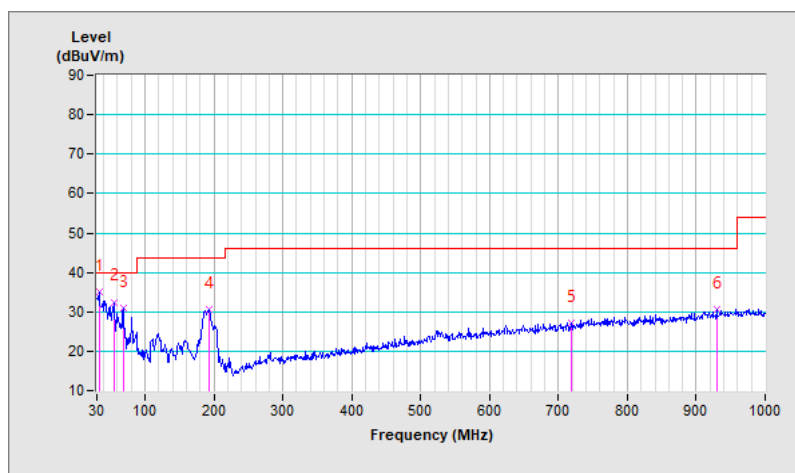


RF Mode	802.11be (EHT40)	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 65% RH
Tested By	Tank Wu		

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	32.91	34.9 PK	40.0	-5.1	1.00 V	335	48.6	-13.7
2	54.25	32.5 PK	40.0	-7.5	1.00 V	28	45.4	-12.9
3	67.83	31.0 PK	40.0	-9.0	1.00 V	258	45.6	-14.6
4	191.99	30.5 PK	43.5	-13.0	1.99 V	2	46.1	-15.6
5	719.67	27.3 PK	46.0	-18.7	1.00 V	338	30.6	-3.3
6	929.19	30.5 PK	46.0	-15.5	1.99 V	129	30.4	0.1

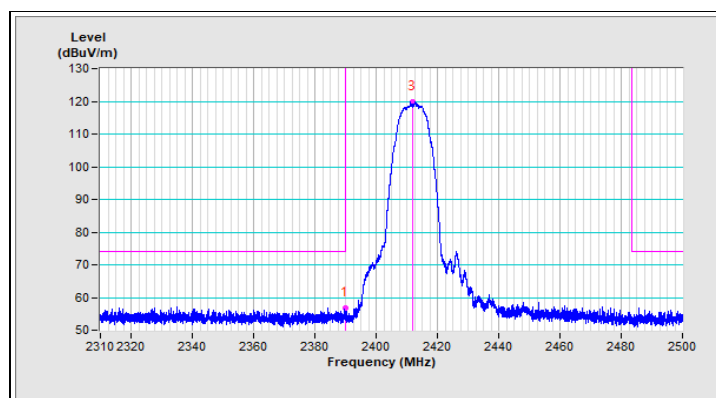
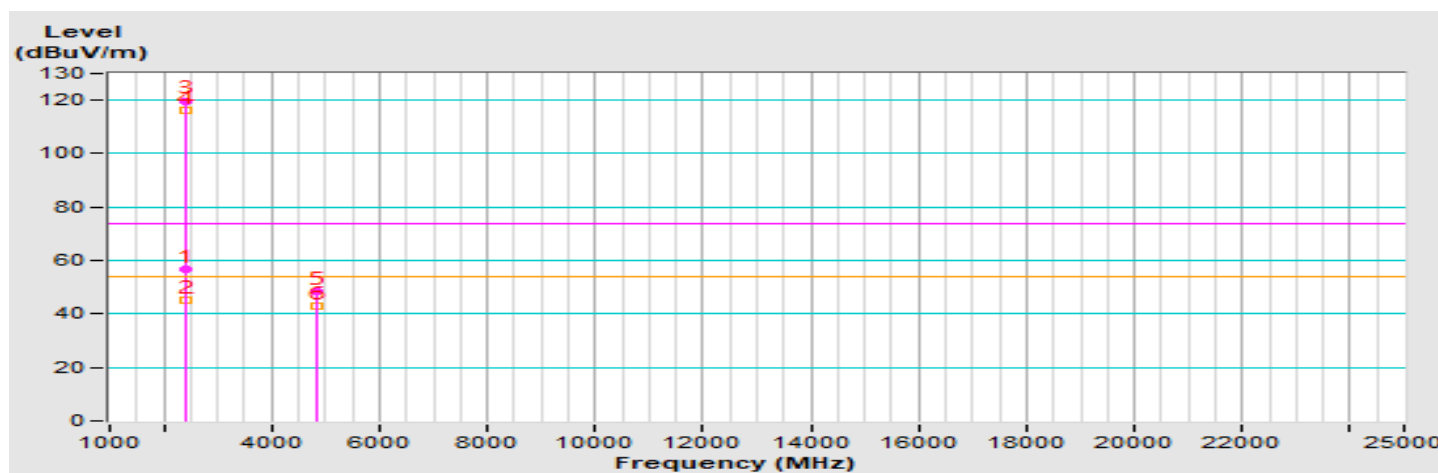
Remarks:

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.

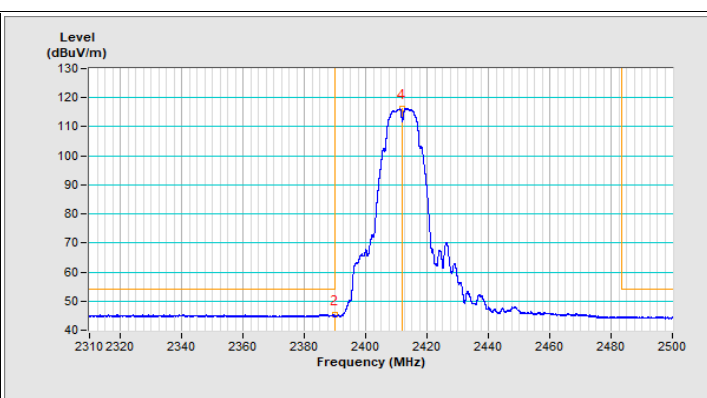


7.7 Unwanted Emissions above 1 GHz

RF Mode	802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24



Horizontal (Peak)



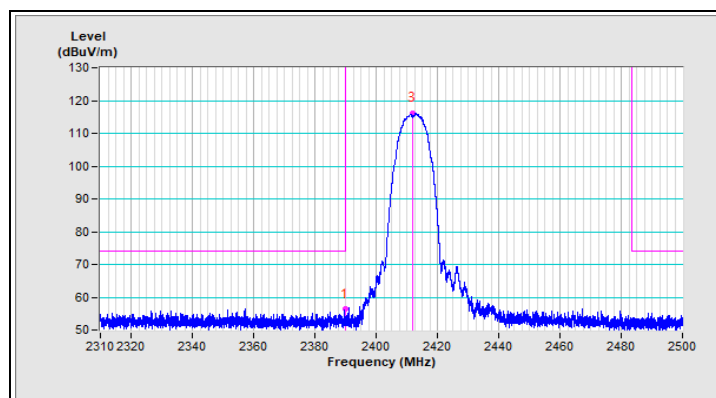
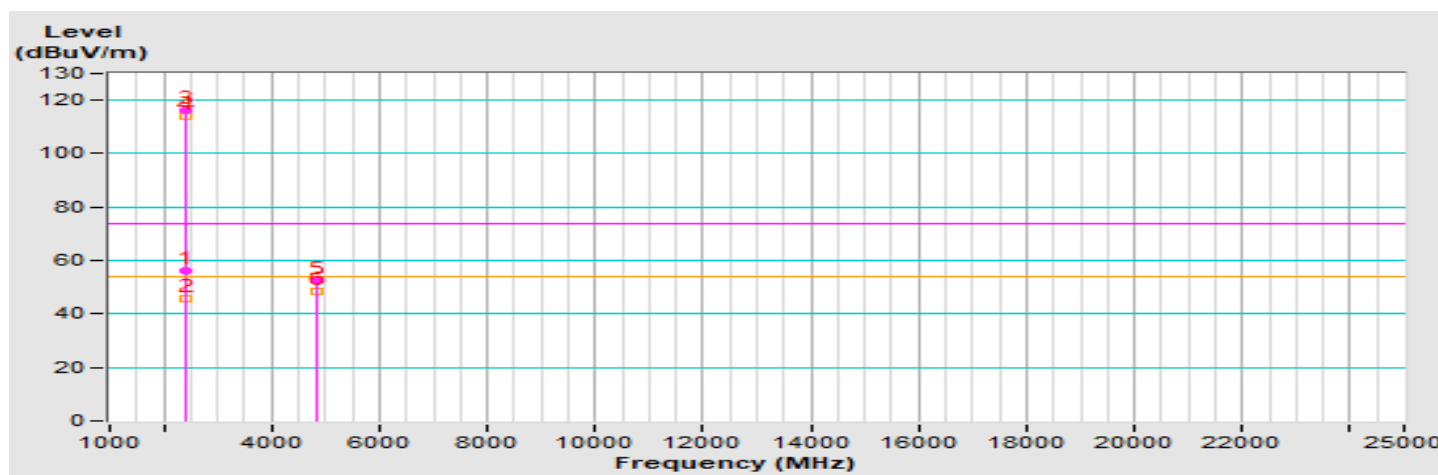
Horizontal (Average)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	56.9 PK	74.0	-17.1	2.22 H	356	57.3	-0.4
2	2390.00	45.3 AV	54.0	-8.7	2.22 H	356	45.7	-0.4
3	*2412.00	119.8 PK			2.22 H	356	120.4	-0.6
4	*2412.00	116.2 AV			2.22 H	356	116.8	-0.6
5	4824.00	48.3 PK	74.0	-25.7	1.31 H	162	44.0	4.3
6	4824.00	42.9 AV	54.0	-11.1	1.31 H	162	38.6	4.3

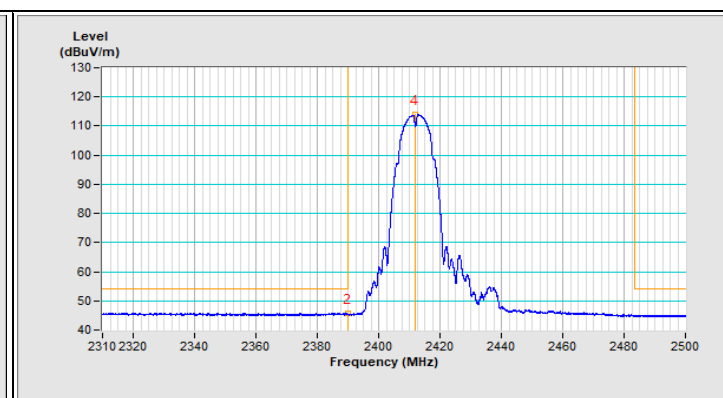
Remarks:

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.
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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24



Vertical (Peak)



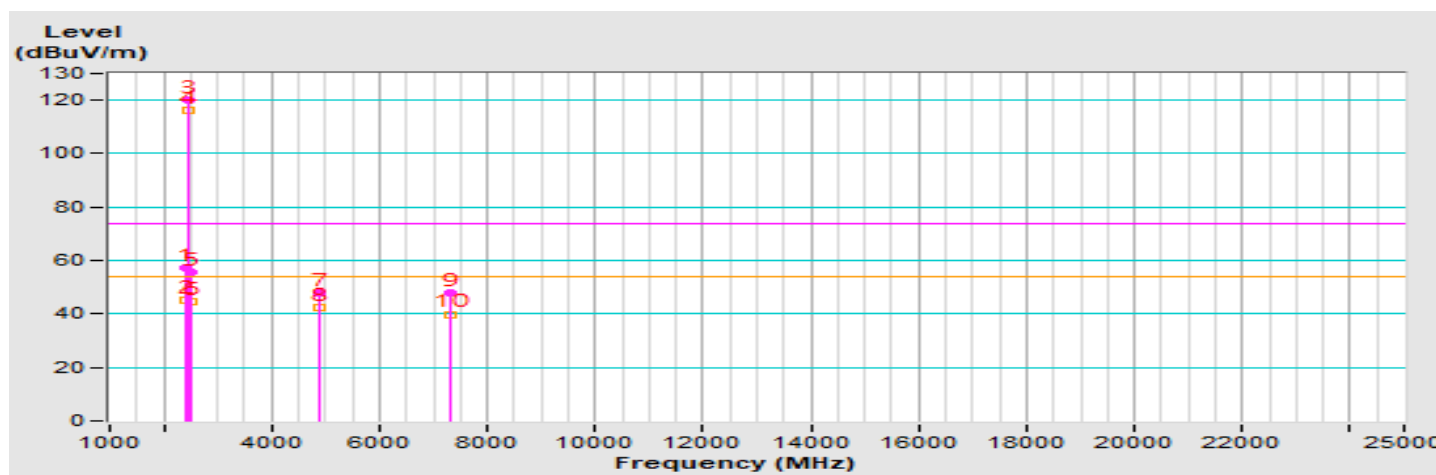
Vertical (Average)

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	56.3 PK	74.0	-17.7	1.63 V	163	56.7	-0.4
2	2390.00	45.8 AV	54.0	-8.2	1.63 V	163	46.2	-0.4
3	*2412.00	116.1 PK			1.63 V	163	116.7	-0.6
4	*2412.00	113.9 AV			1.63 V	163	114.5	-0.6
5	4824.00	52.2 PK	74.0	-21.8	1.02 V	83	47.9	4.3
6	4824.00	48.6 AV	54.0	-5.4	1.02 V	83	44.3	4.3

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.
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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	23.5

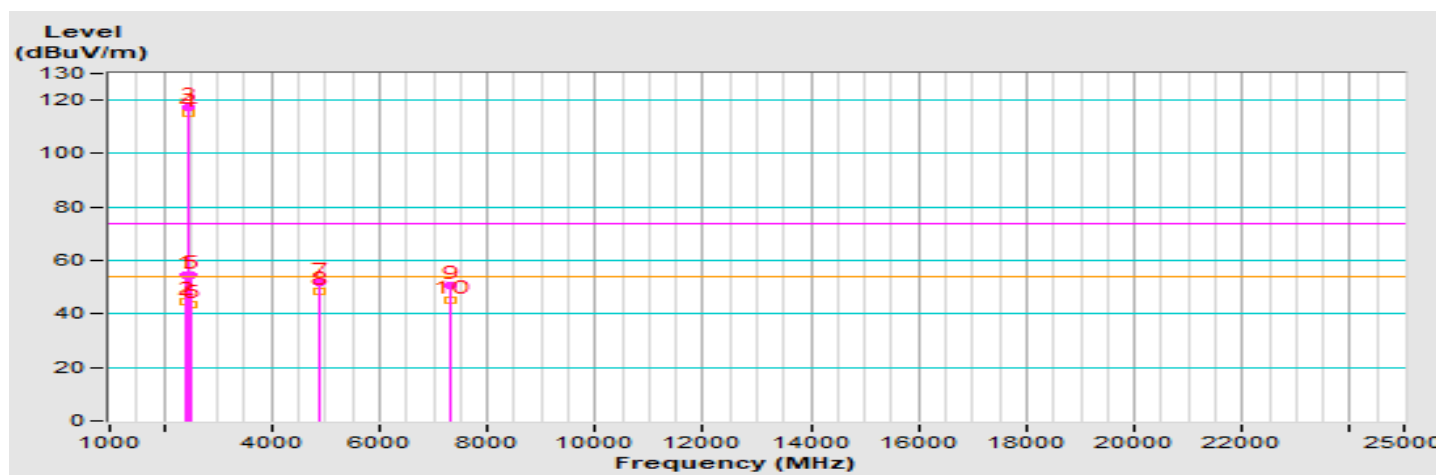


Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.4 PK	74.0	-16.6	2.12 H	357	57.8	-0.4
2	2390.00	45.1 AV	54.0	-8.9	2.12 H	357	45.5	-0.4
3	*2437.00	120.3 PK			2.12 H	357	120.8	-0.5
4	*2437.00	116.4 AV			2.12 H	357	116.9	-0.5
5	2483.50	55.8 PK	74.0	-18.2	2.12 H	357	56.5	-0.7
6	2483.50	44.5 AV	54.0	-9.5	2.12 H	357	45.2	-0.7
7	4874.00	48.1 PK	74.0	-25.9	1.26 H	167	43.7	4.4
8	4874.00	42.6 AV	54.0	-11.4	1.26 H	167	38.2	4.4
9	7311.00	47.9 PK	74.0	-26.1	1.39 H	199	37.0	10.9
10	7311.00	39.9 AV	54.0	-14.1	1.39 H	199	29.0	10.9

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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	23.5

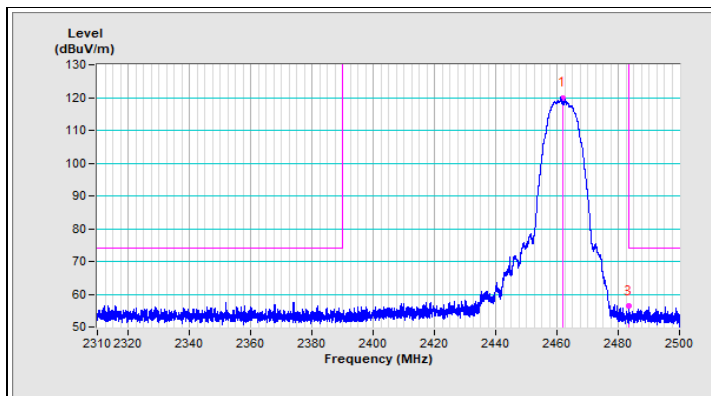
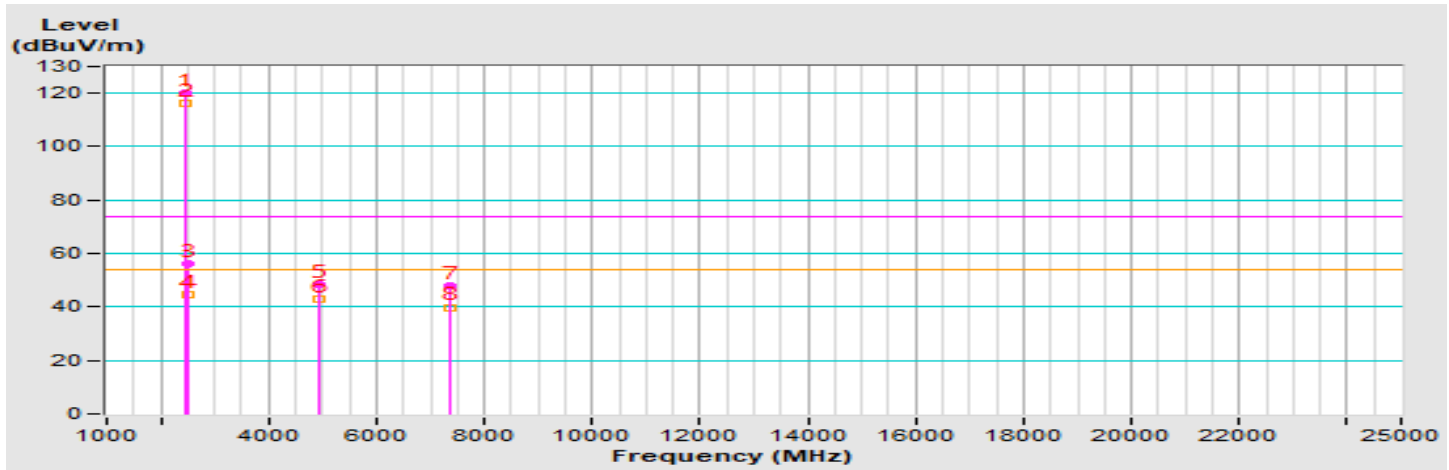


Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	54.5 PK	74.0	-19.5	1.69 V	188	54.9	-0.4
2	2390.00	44.4 AV	54.0	-9.6	1.69 V	188	44.8	-0.4
3	*2437.00	117.3 PK			1.69 V	188	117.8	-0.5
4	*2437.00	115.2 AV			1.69 V	188	115.7	-0.5
5	2483.50	54.5 PK	74.0	-19.5	1.69 V	188	55.2	-0.7
6	2483.50	43.7 AV	54.0	-10.3	1.69 V	188	44.4	-0.7
7	4874.00	51.8 PK	74.0	-22.2	1.06 V	84	47.4	4.4
8	4874.00	48.2 AV	54.0	-5.8	1.06 V	84	43.8	4.4
9	7311.00	50.7 PK	74.0	-23.3	1.42 V	274	39.8	10.9
10	7311.00	45.4 AV	54.0	-8.6	1.42 V	274	34.5	10.9

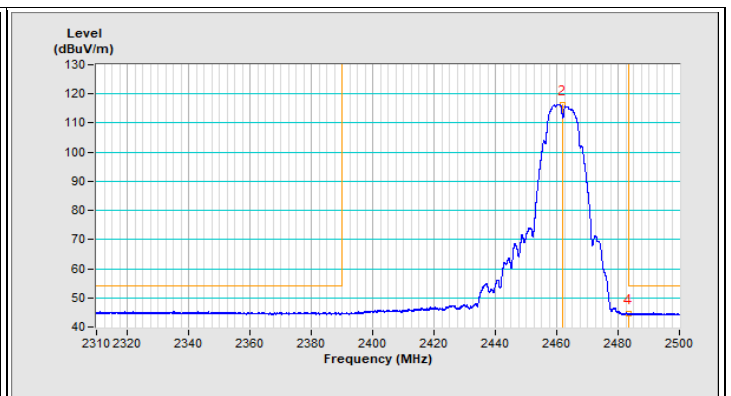
Remarks:

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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	23.5



Horizontal (Peak)



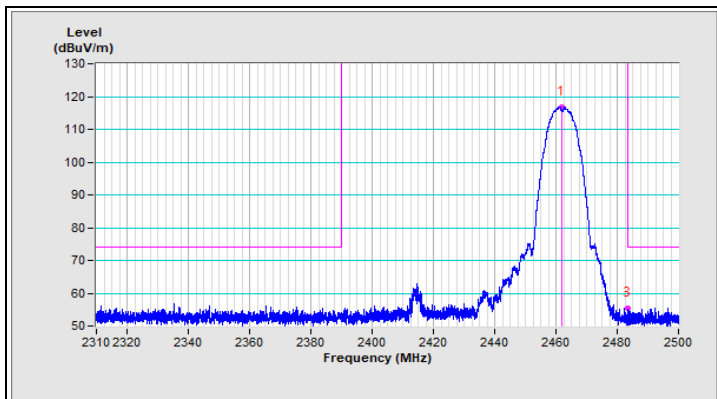
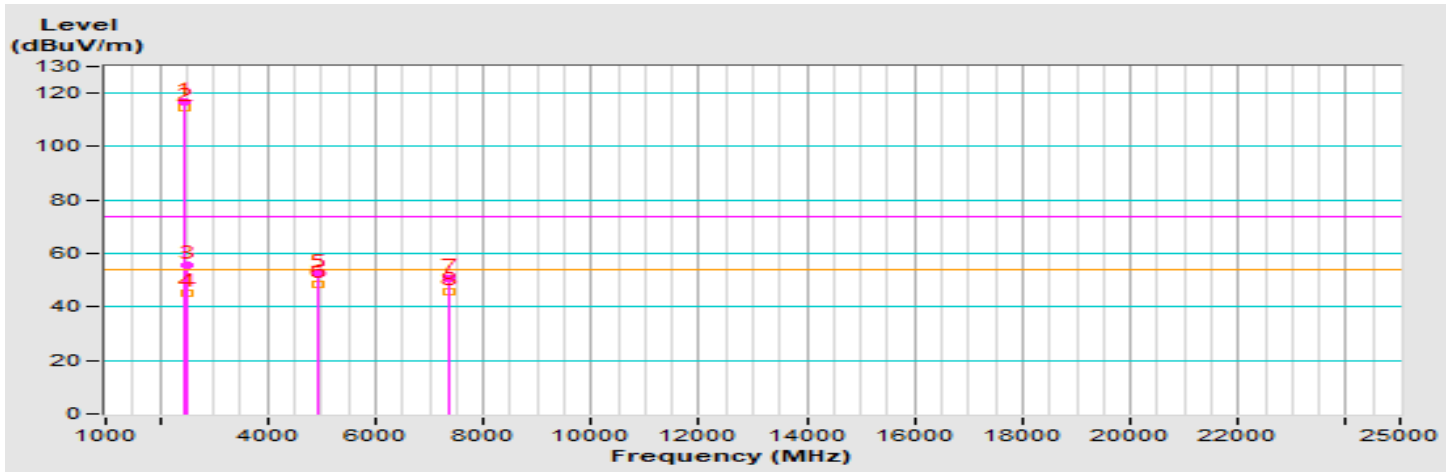
Horizontal (Average)

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	120.0 PK			2.39 H	16	120.7	-0.7
2	*2462.00	116.4 AV			2.39 H	16	117.1	-0.7
3	2483.50	56.3 PK	74.0	-17.7	2.39 H	16	57.0	-0.7
4	2483.50	44.7 AV	54.0	-9.3	2.39 H	16	45.4	-0.7
5	4924.00	48.5 PK	74.0	-25.5	1.28 H	174	44.0	4.5
6	4924.00	42.8 AV	54.0	-11.2	1.28 H	174	38.3	4.5
7	7386.00	47.8 PK	74.0	-26.2	1.34 H	185	36.6	11.2
8	7386.00	39.9 AV	54.0	-14.1	1.34 H	185	28.7	11.2

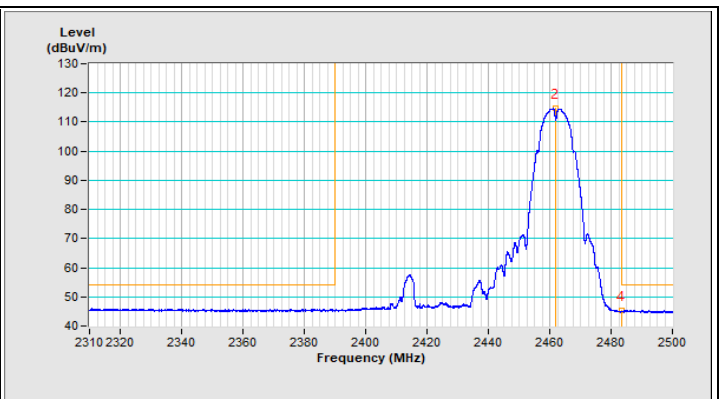
Remarks:

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

RF Mode	802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	23.5



Vertical (Peak)



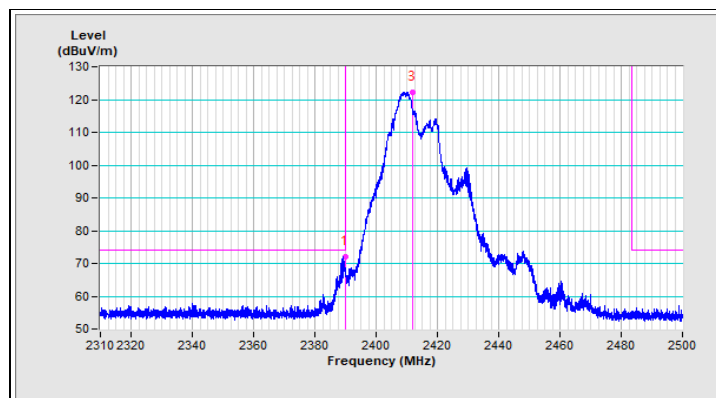
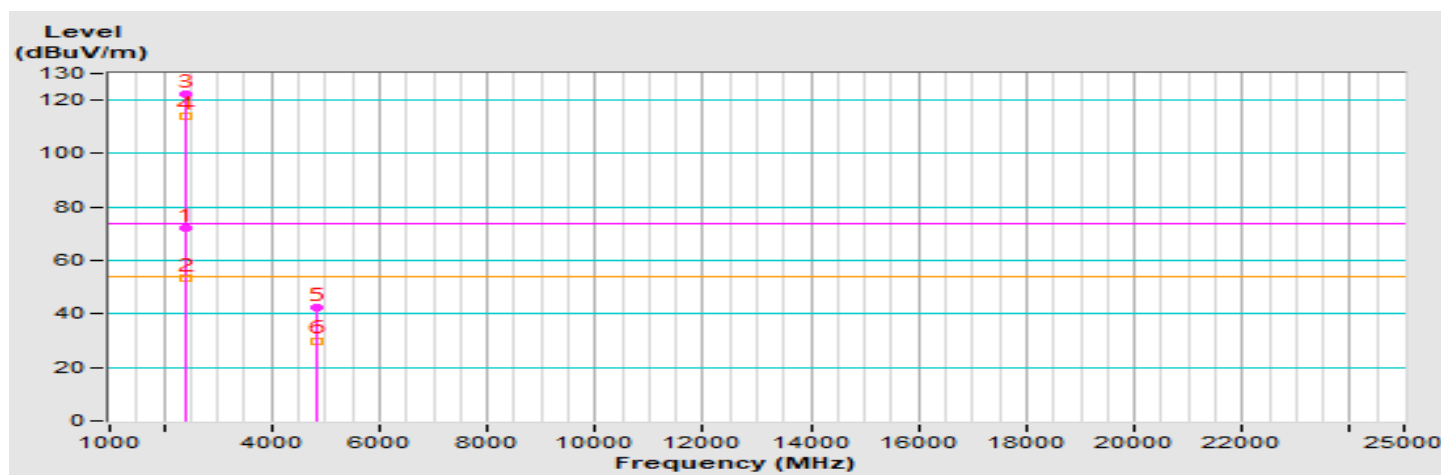
Vertical (Average)

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	116.9 PK			1.54 V	162	117.6	-0.7
2	*2462.00	114.7 AV			1.54 V	162	115.4	-0.7
3	2483.50	55.5 PK	74.0	-18.5	1.54 V	162	56.2	-0.7
4	2483.50	45.4 AV	54.0	-8.6	1.54 V	162	46.1	-0.7
5	4924.00	52.4 PK	74.0	-21.6	1.02 V	86	47.9	4.5
6	4924.00	48.5 AV	54.0	-5.5	1.02 V	86	44.0	4.5
7	7386.00	50.9 PK	74.0	-23.1	1.40 V	285	39.7	11.2
8	7386.00	45.5 AV	54.0	-8.5	1.40 V	285	34.3	11.2

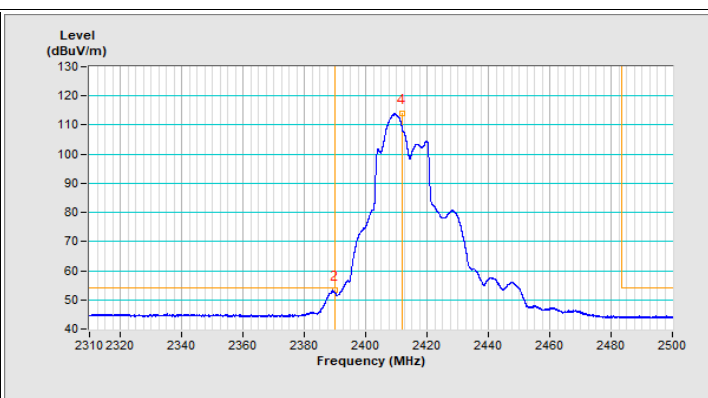
Remarks:

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

RF Mode	802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24



Horizontal (Peak)



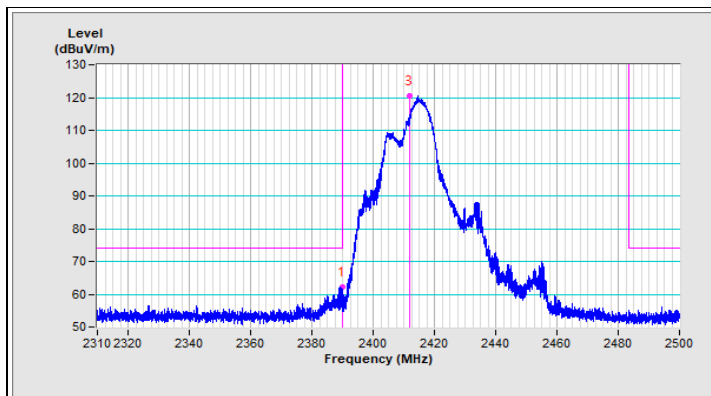
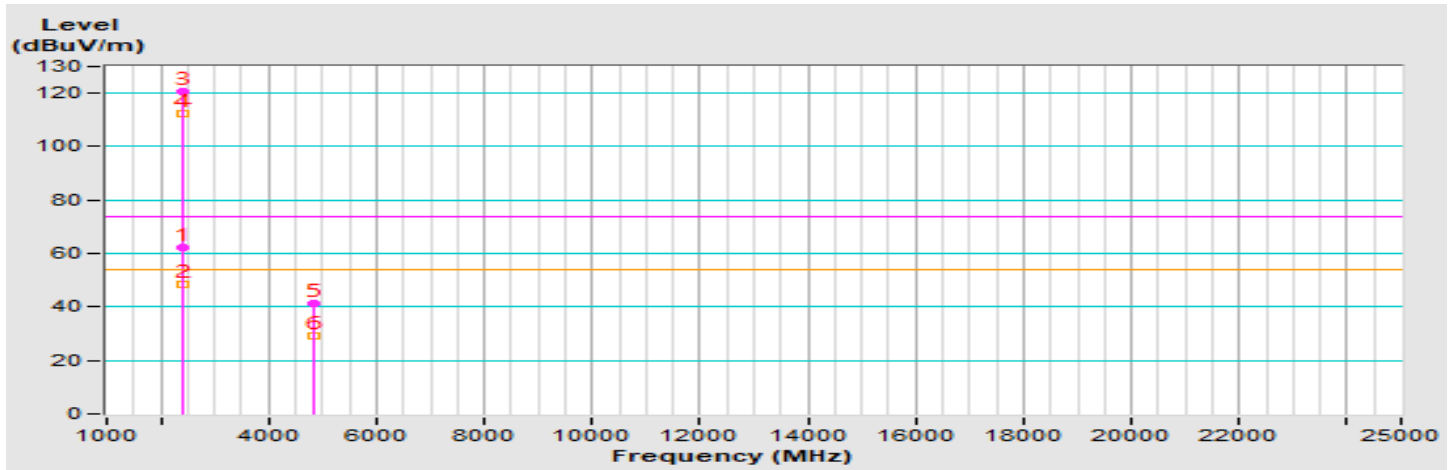
Horizontal (Average)

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	72.1 PK	74.0	-1.9	3.77 H	345	72.5	-0.4
2	2390.00	53.3 AV	54.0	-0.7	3.77 H	345	53.7	-0.4
3	*2412.00	122.3 PK			3.77 H	345	122.9	-0.6
4	*2412.00	113.9 AV			3.77 H	345	114.5	-0.6
5	4824.00	42.2 PK	74.0	-31.8	1.40 H	276	37.9	4.3
6	4824.00	30.0 AV	54.0	-24.0	1.40 H	276	25.7	4.3

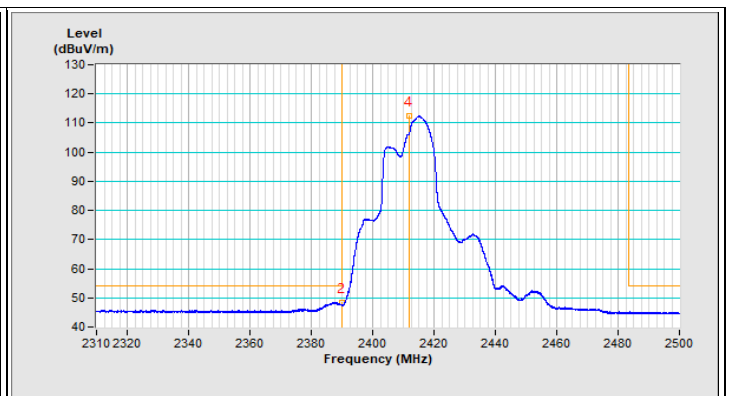
Remarks:

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.
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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24



Vertical (Peak)



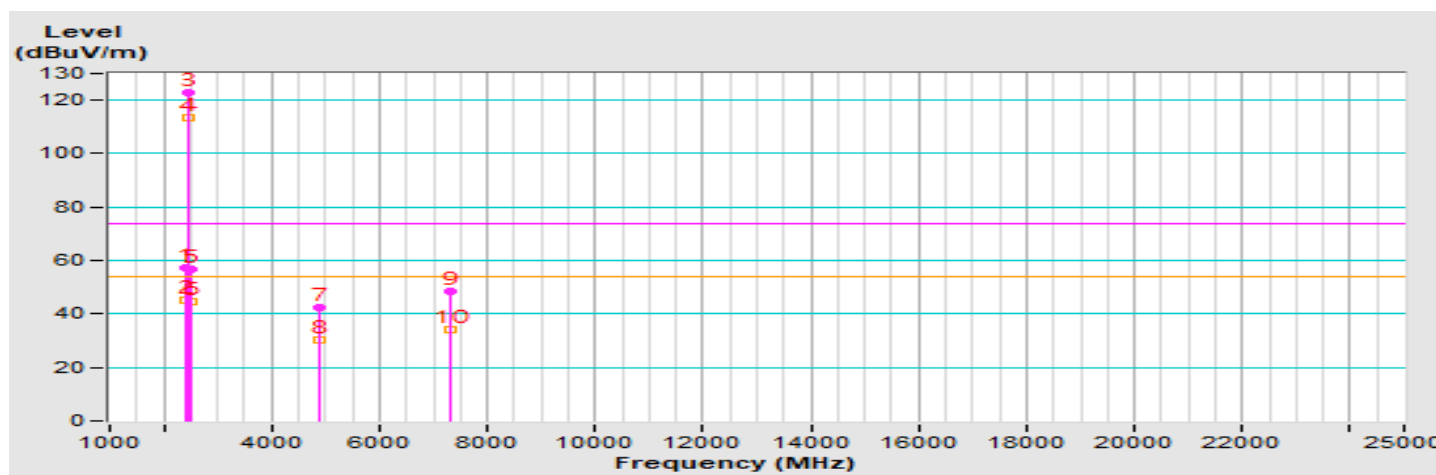
Vertical (Average)

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	188	62.5	-0.4
2	2390.00	48.5 AV	54.0	-5.5	1.46 V	188	48.9	-0.4
3	*2412.00	120.4 PK			1.46 V	188	121.0	-0.6
4	*2412.00	112.3 AV			1.46 V	188	112.9	-0.6
5	4824.00	41.2 PK	74.0	-32.8	1.68 V	212	36.9	4.3
6	4824.00	29.3 AV	54.0	-24.7	1.68 V	212	25.0	4.3

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.
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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5

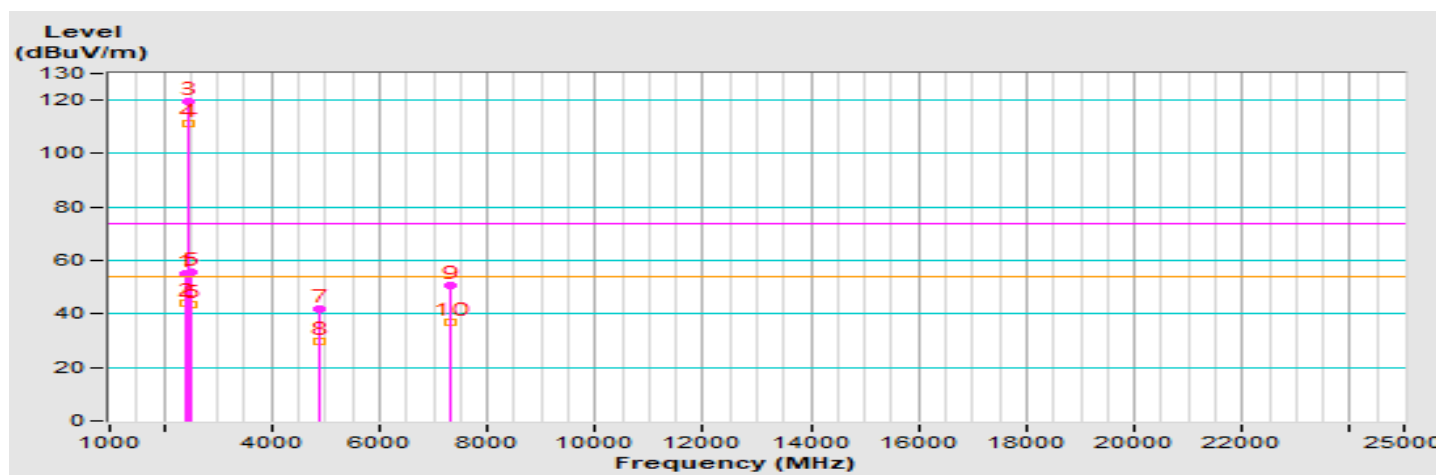


Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.4 PK	74.0	-16.6	2.95 H	332	57.8	-0.4
2	2390.00	45.2 AV	54.0	-8.8	2.95 H	332	45.6	-0.4
3	*2437.00	122.6 PK			2.95 H	332	123.1	-0.5
4	*2437.00	113.7 AV			2.95 H	332	114.2	-0.5
5	2483.50	56.9 PK	74.0	-17.1	2.95 H	332	57.6	-0.7
6	2483.50	44.5 AV	54.0	-9.5	2.95 H	332	45.2	-0.7
7	4874.00	42.3 PK	74.0	-31.7	1.35 H	270	37.9	4.4
8	4874.00	30.3 AV	54.0	-23.7	1.35 H	270	25.9	4.4
9	7311.00	48.5 PK	74.0	-25.5	1.49 H	205	37.6	10.9
10	7311.00	33.9 AV	54.0	-20.1	1.49 H	205	23.0	10.9

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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5

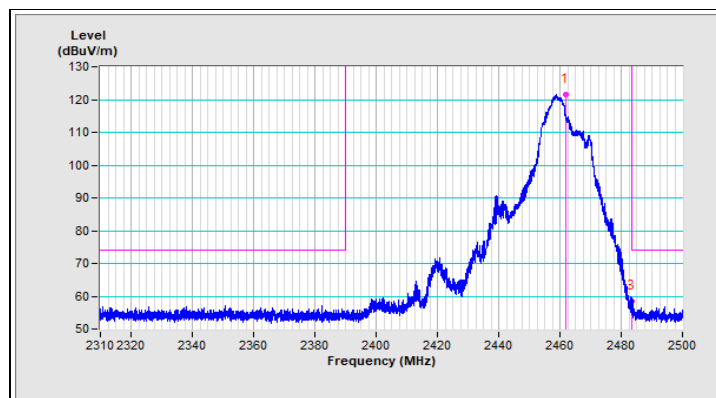
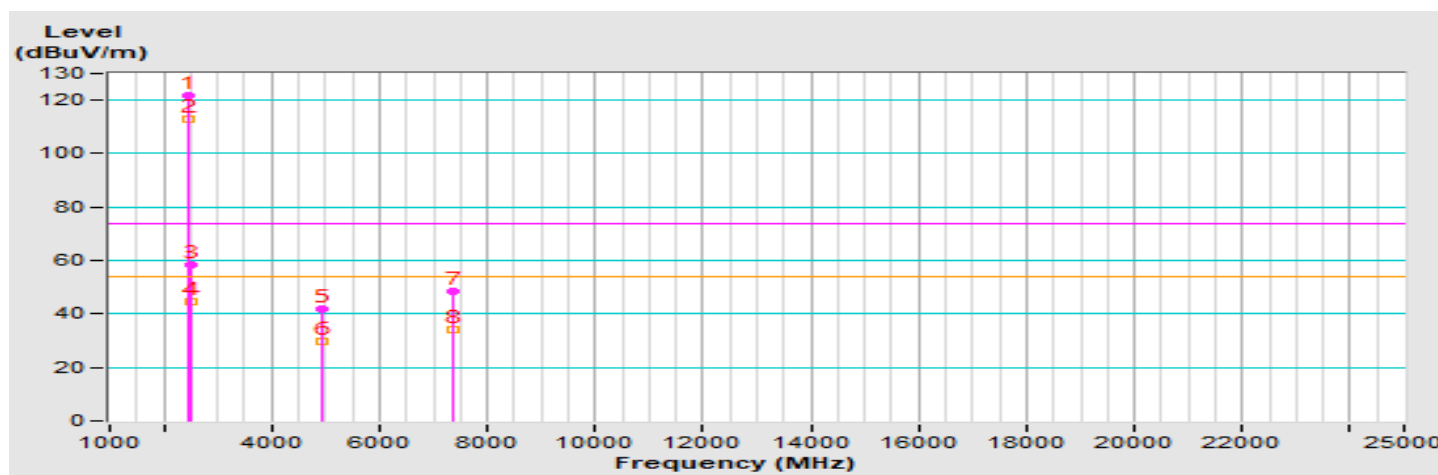


Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	55.3 PK	74.0	-18.7	1.46 V	179	55.7	-0.4
2	2390.00	44.3 AV	54.0	-9.7	1.46 V	179	44.7	-0.4
3	*2437.00	119.3 PK			1.46 V	179	119.8	-0.5
4	*2437.00	111.0 AV			1.46 V	179	111.5	-0.5
5	2483.50	55.4 PK	74.0	-18.6	1.46 V	179	56.1	-0.7
6	2483.50	43.7 AV	54.0	-10.3	1.46 V	179	44.4	-0.7
7	4874.00	41.9 PK	74.0	-32.1	1.68 V	225	37.5	4.4
8	4874.00	29.8 AV	54.0	-24.2	1.68 V	225	25.4	4.4
9	7311.00	50.8 PK	74.0	-23.2	1.38 V	272	39.9	10.9
10	7311.00	36.7 AV	54.0	-17.3	1.38 V	272	25.8	10.9

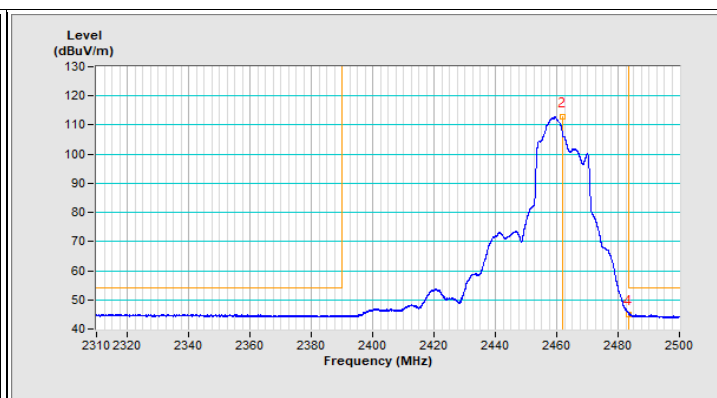
Remarks:

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 ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	25



Horizontal (Peak)



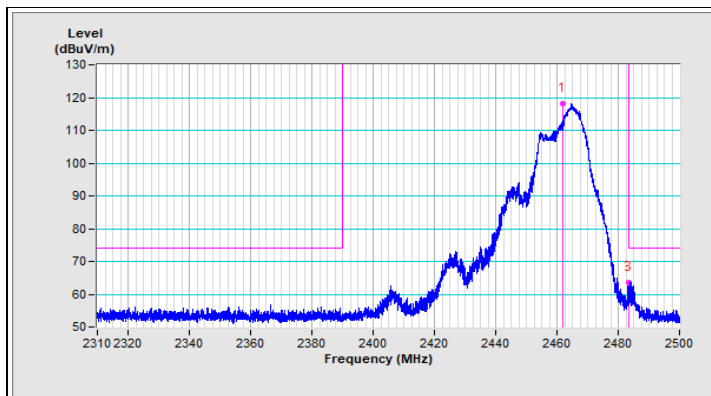
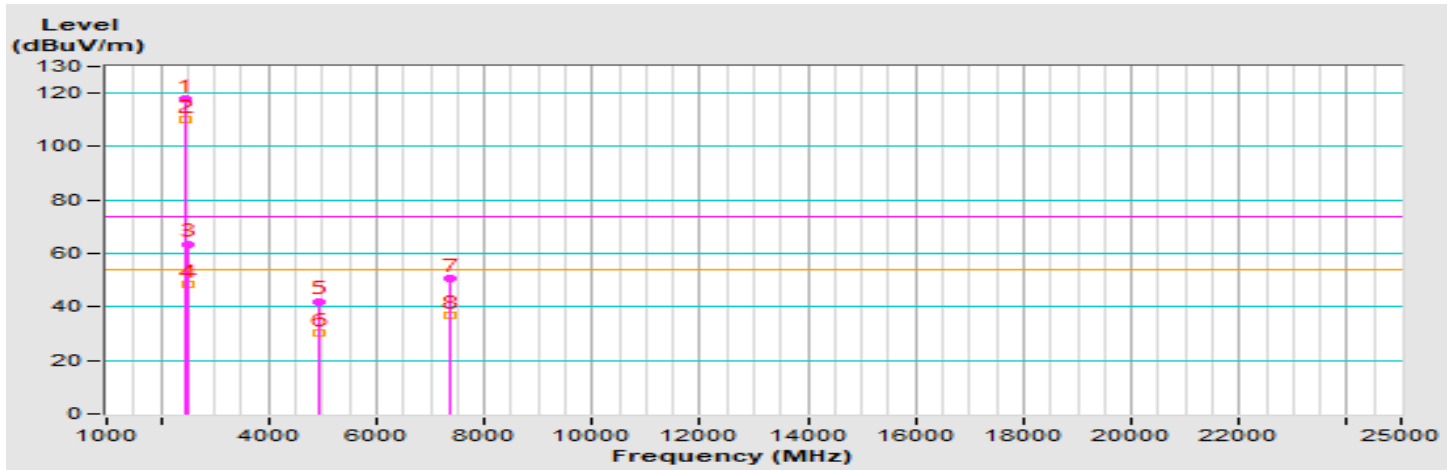
Horizontal (Average)

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	121.5 PK			1.13 H	340	122.2	-0.7
2	*2462.00	112.7 AV			1.13 H	340	113.4	-0.7
3	2483.50	58.4 PK	74.0	-15.6	1.13 H	340	59.1	-0.7
4	2483.50	44.8 AV	54.0	-9.2	1.13 H	340	45.5	-0.7
5	4924.00	42.0 PK	74.0	-32.0	1.36 H	283	37.5	4.5
6	4924.00	29.8 AV	54.0	-24.2	1.36 H	283	25.3	4.5
7	7386.00	48.4 PK	74.0	-25.6	1.50 H	207	37.2	11.2
8	7386.00	34.0 AV	54.0	-20.0	1.50 H	207	22.8	11.2

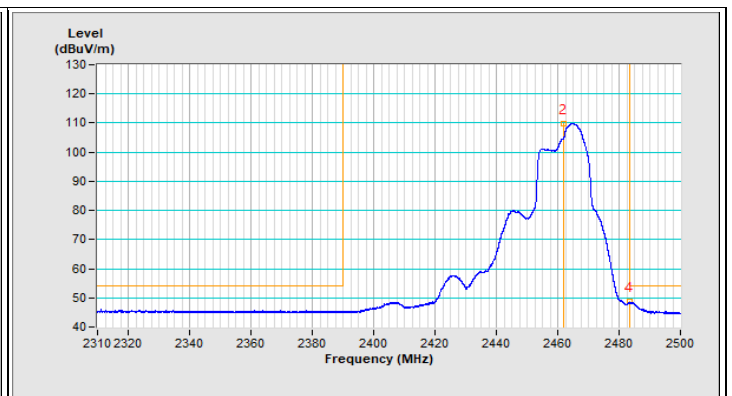
Remarks:

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

RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	25



Vertical (Peak)



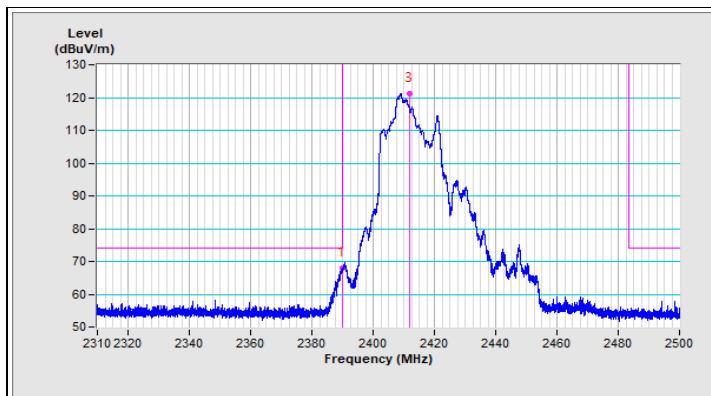
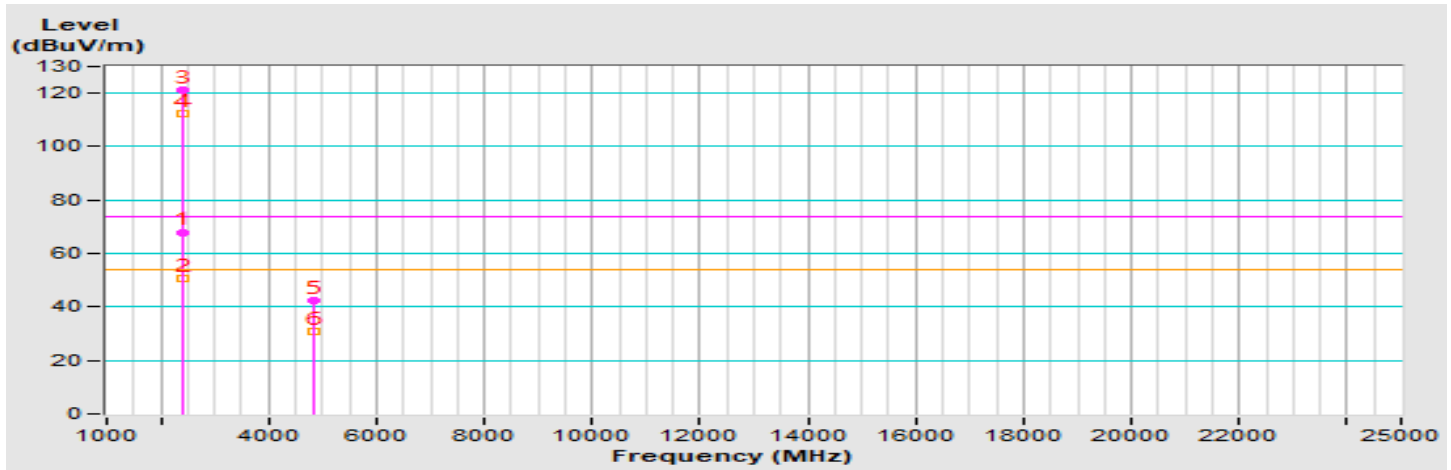
Vertical (Average)

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	118.1 PK			1.50 V	184	118.8	-0.7
2	*2462.00	109.9 AV			1.50 V	184	110.6	-0.7
3	2483.50	63.6 PK	74.0	-10.4	1.50 V	184	64.3	-0.7
4	2483.50	48.6 AV	54.0	-5.4	1.50 V	184	49.3	-0.7
5	4924.00	42.1 PK	74.0	-31.9	1.65 V	230	37.6	4.5
6	4924.00	30.1 AV	54.0	-23.9	1.65 V	230	25.6	4.5
7	7386.00	50.9 PK	74.0	-23.1	1.36 V	279	39.7	11.2
8	7386.00	37.0 AV	54.0	-17.0	1.36 V	279	25.8	11.2

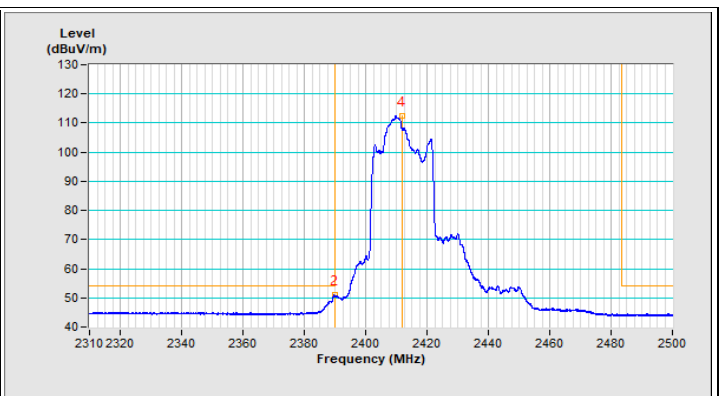
Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	23.5



Horizontal (Peak)



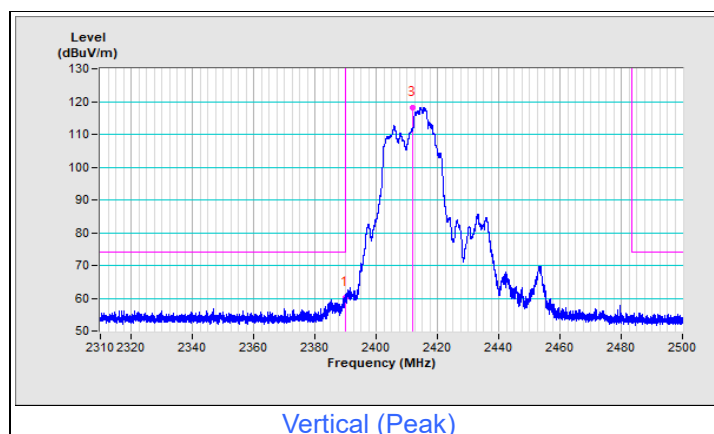
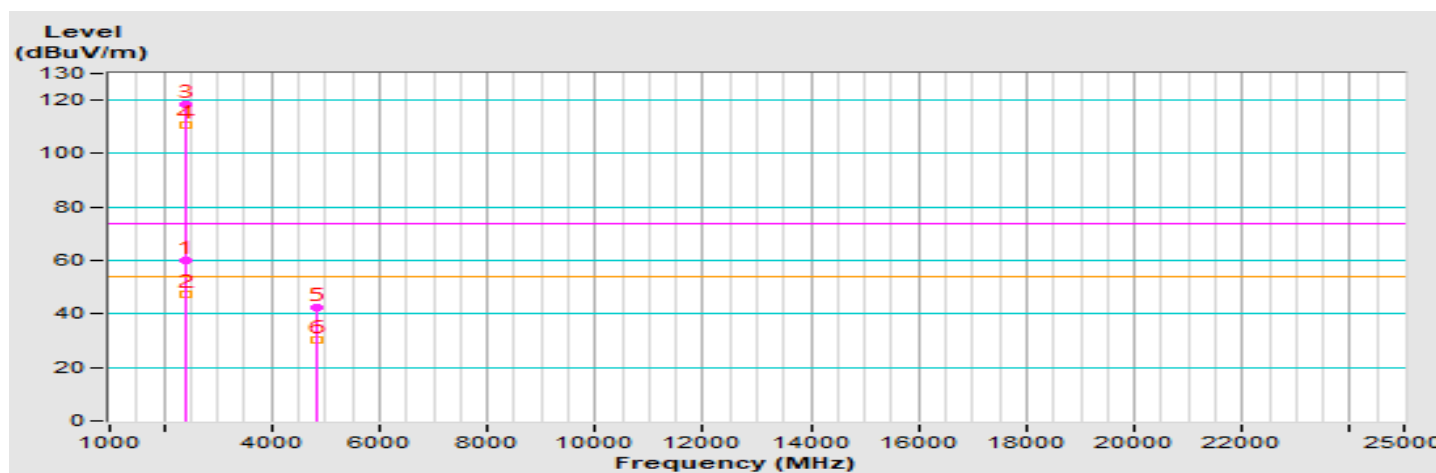
Horizontal (Average)

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	68.0 PK	74.0	-6.0	2.77 H	349	68.4	-0.4
2	2390.00	50.9 AV	54.0	-3.1	2.77 H	349	51.3	-0.4
3	*2412.00	121.3 PK			2.77 H	349	121.9	-0.6
4	*2412.00	112.5 AV			2.77 H	349	113.1	-0.6
5	4824.00	42.6 PK	74.0	-31.4	1.34 H	272	38.3	4.3
6	4824.00	30.7 AV	54.0	-23.3	1.34 H	272	26.4	4.3

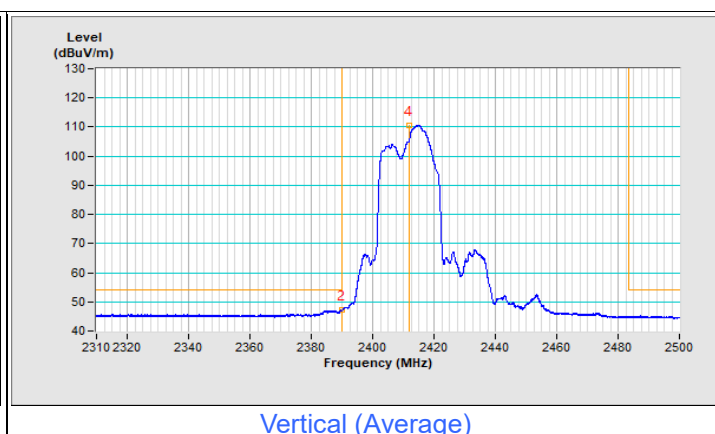
Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	23.5



Vertical (Peak)



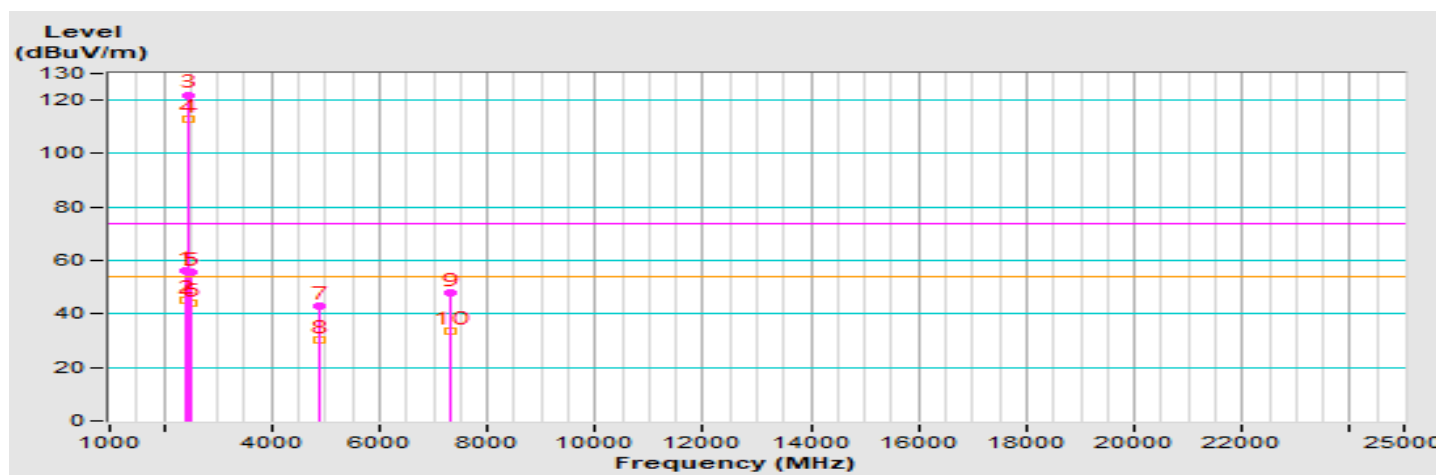
Vertical (Average)

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	60.2 PK	74.0	-13.8	1.74 V	188	60.6	-0.4
2	2390.00	47.1 AV	54.0	-6.9	1.74 V	188	47.5	-0.4
3	*2412.00	118.2 PK			1.74 V	188	118.8	-0.6
4	*2412.00	110.5 AV			1.74 V	188	111.1	-0.6
5	4824.00	42.5 PK	74.0	-31.5	1.68 V	236	38.2	4.3
6	4824.00	30.3 AV	54.0	-23.7	1.68 V	236	26.0	4.3

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

RF Mode	802.11be (EHT20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5

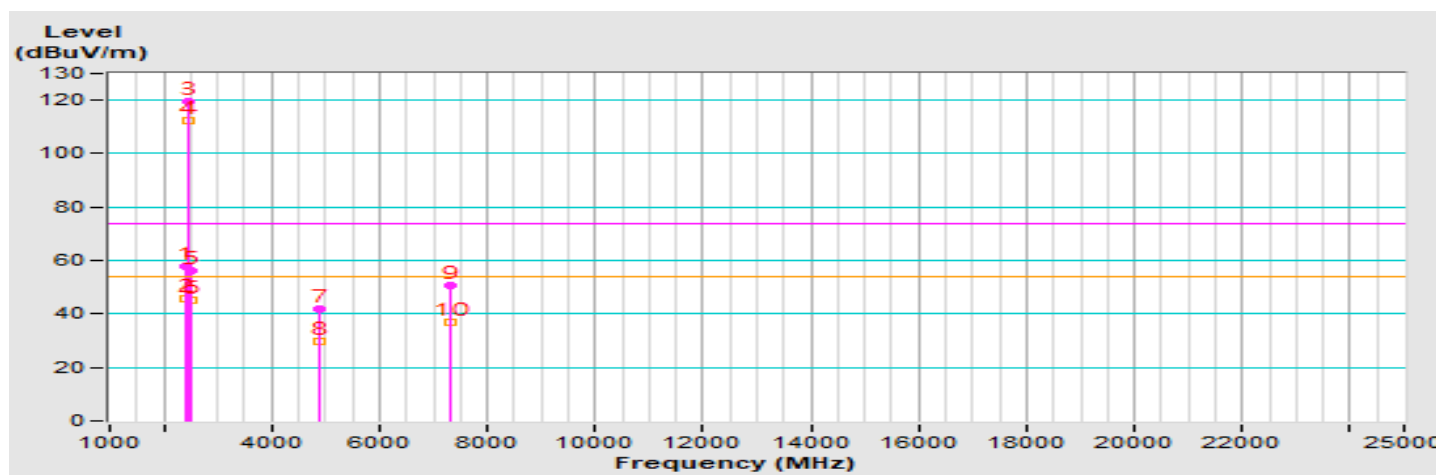


Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	56.4 PK	74.0	-17.6	2.21 H	339	56.8	-0.4
2	2390.00	44.9 AV	54.0	-9.1	2.21 H	339	45.3	-0.4
3	*2437.00	122.0 PK			2.21 H	339	122.5	-0.5
4	*2437.00	113.0 AV			2.21 H	339	113.5	-0.5
5	2483.50	55.8 PK	74.0	-18.2	2.21 H	339	56.5	-0.7
6	2483.50	44.3 AV	54.0	-9.7	2.21 H	339	45.0	-0.7
7	4874.00	42.8 PK	74.0	-31.2	1.32 H	284	38.4	4.4
8	4874.00	30.5 AV	54.0	-23.5	1.32 H	284	26.1	4.4
9	7311.00	48.0 PK	74.0	-26.0	1.53 H	203	37.1	10.9
10	7311.00	33.5 AV	54.0	-20.5	1.53 H	203	22.6	10.9

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	802.11be (EHT20)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5

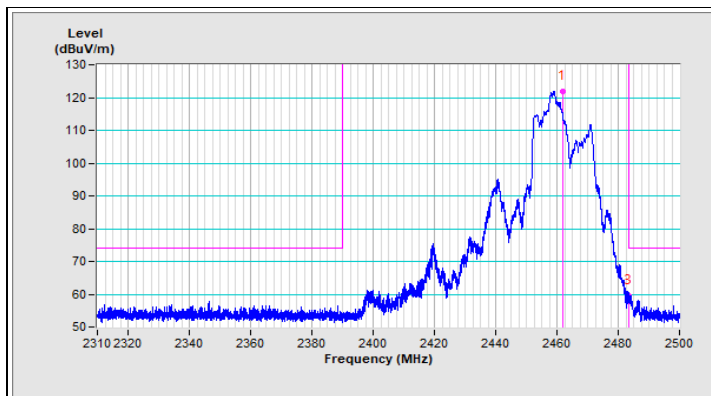
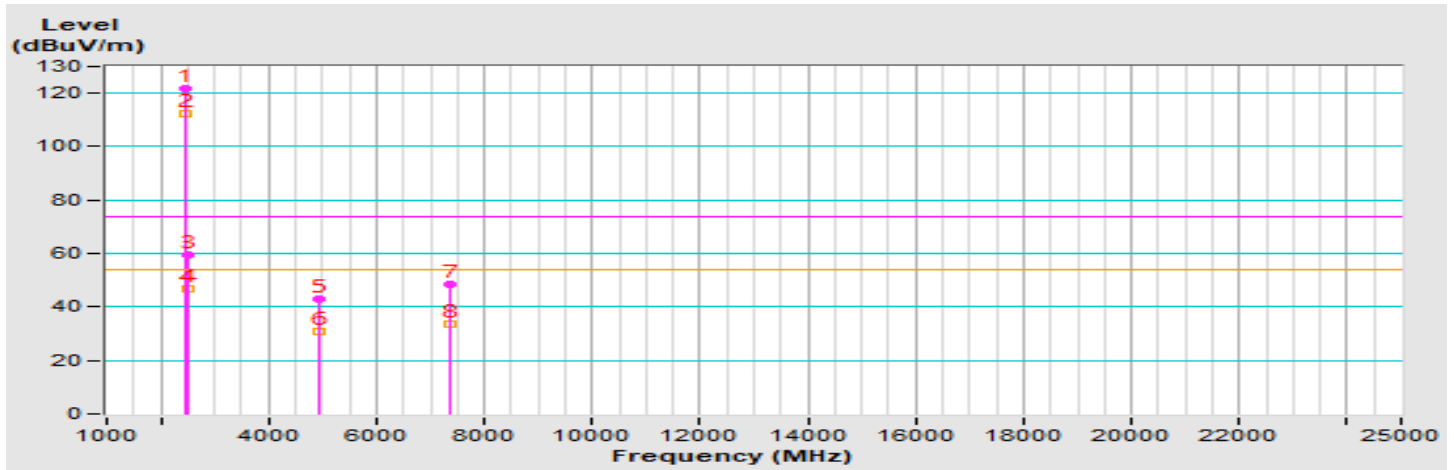


Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.7 PK	74.0	-16.3	1.93 V	24	58.1	-0.4
2	2390.00	45.9 AV	54.0	-8.1	1.93 V	24	46.3	-0.4
3	*2437.00	119.3 PK			1.93 V	24	119.8	-0.5
4	*2437.00	112.4 AV			1.93 V	24	112.9	-0.5
5	2483.50	56.3 PK	74.0	-17.7	1.93 V	24	57.0	-0.7
6	2483.50	45.2 AV	54.0	-8.8	1.93 V	24	45.9	-0.7
7	4874.00	41.9 PK	74.0	-32.1	1.67 V	238	37.5	4.4
8	4874.00	29.9 AV	54.0	-24.1	1.67 V	238	25.5	4.4
9	7311.00	50.9 PK	74.0	-23.1	1.43 V	263	40.0	10.9
10	7311.00	36.8 AV	54.0	-17.2	1.43 V	263	25.9	10.9

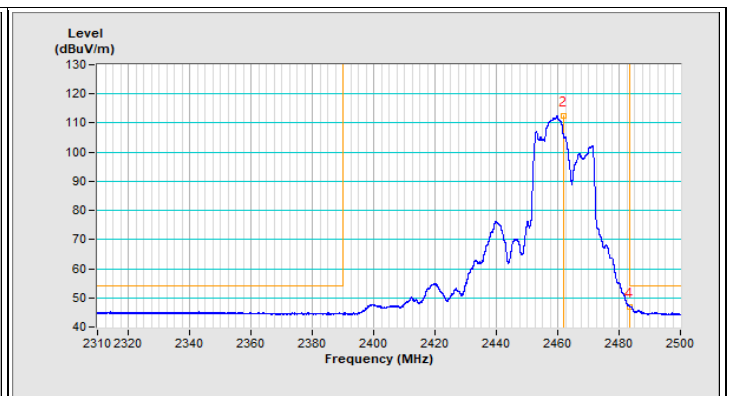
Remarks:

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	802.11be (EHT20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	25



Horizontal (Peak)



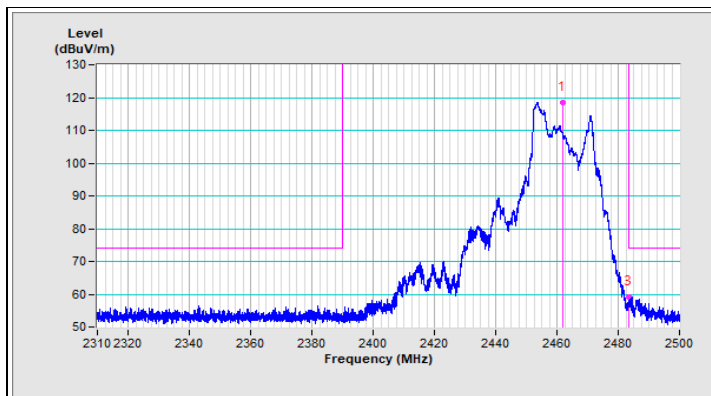
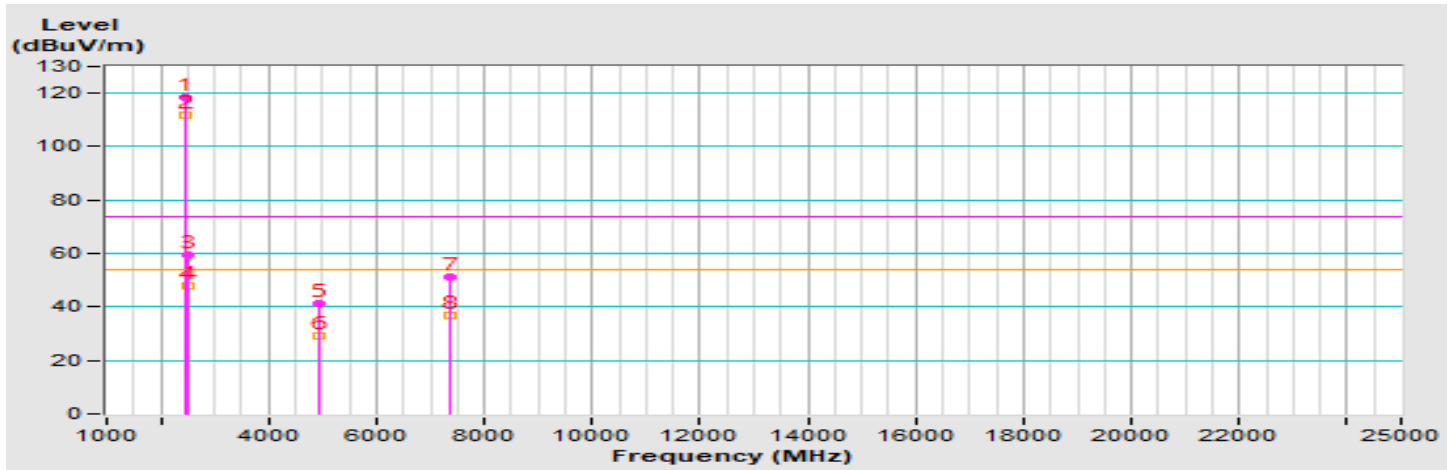
Horizontal (Average)

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	121.8 PK			3.15 H	340	122.5	-0.7
2	*2462.00	112.4 AV			3.15 H	340	113.1	-0.7
3	2483.50	59.6 PK	74.0	-14.4	3.15 H	340	60.3	-0.7
4	2483.50	47.0 AV	54.0	-7.0	3.15 H	340	47.7	-0.7
5	4924.00	43.0 PK	74.0	-31.0	1.39 H	263	38.5	4.5
6	4924.00	30.7 AV	54.0	-23.3	1.39 H	263	26.2	4.5
7	7386.00	48.2 PK	74.0	-25.8	1.50 H	194	37.0	11.2
8	7386.00	33.7 AV	54.0	-20.3	1.50 H	194	22.5	11.2

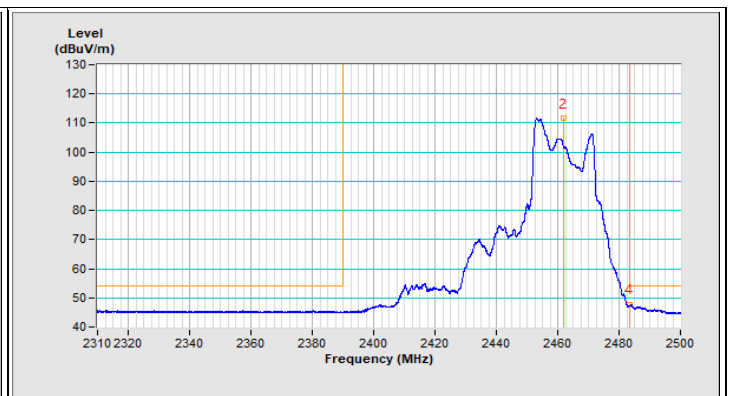
Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	25



Vertical (Peak)



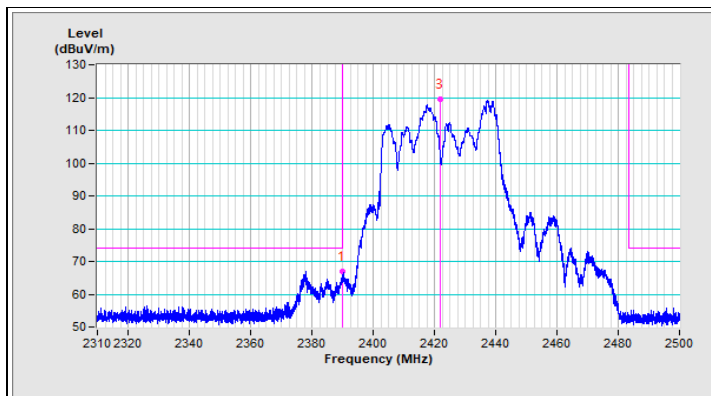
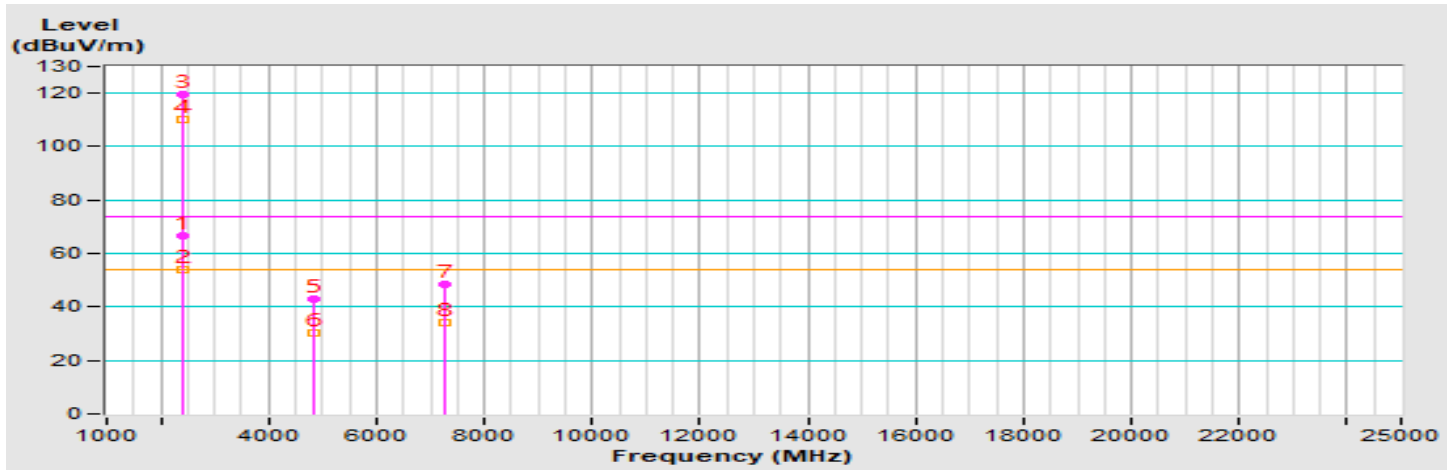
Vertical (Average)

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	118.6 PK			2.32 V	15	119.3	-0.7
2	*2462.00	111.6 AV			2.32 V	15	112.3	-0.7
3	2483.50	59.3 PK	74.0	-14.7	2.32 V	15	60.0	-0.7
4	2483.50	47.8 AV	54.0	-6.2	2.32 V	15	48.5	-0.7
5	4924.00	41.5 PK	74.0	-32.5	1.67 V	233	37.0	4.5
6	4924.00	29.4 AV	54.0	-24.6	1.67 V	233	24.9	4.5
7	7386.00	51.1 PK	74.0	-22.9	1.37 V	276	39.9	11.2
8	7386.00	36.8 AV	54.0	-17.2	1.37 V	276	25.6	11.2

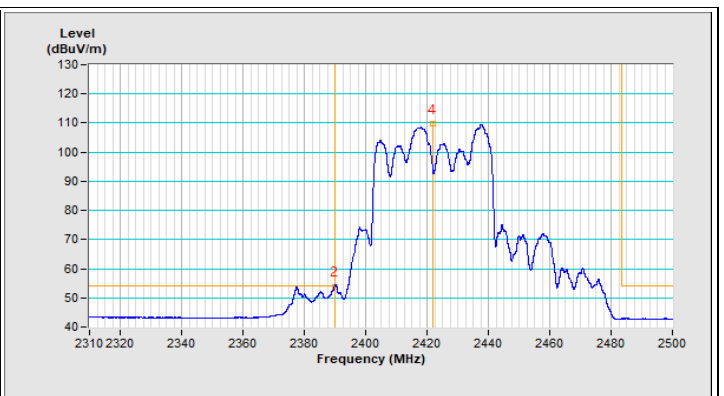
Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 3 : 2422 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24



Horizontal (Peak)



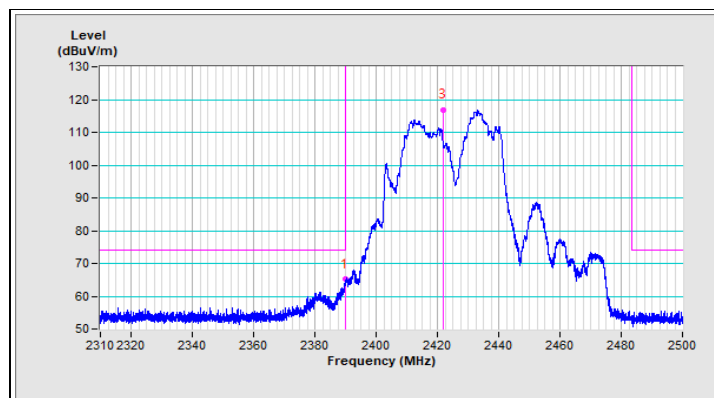
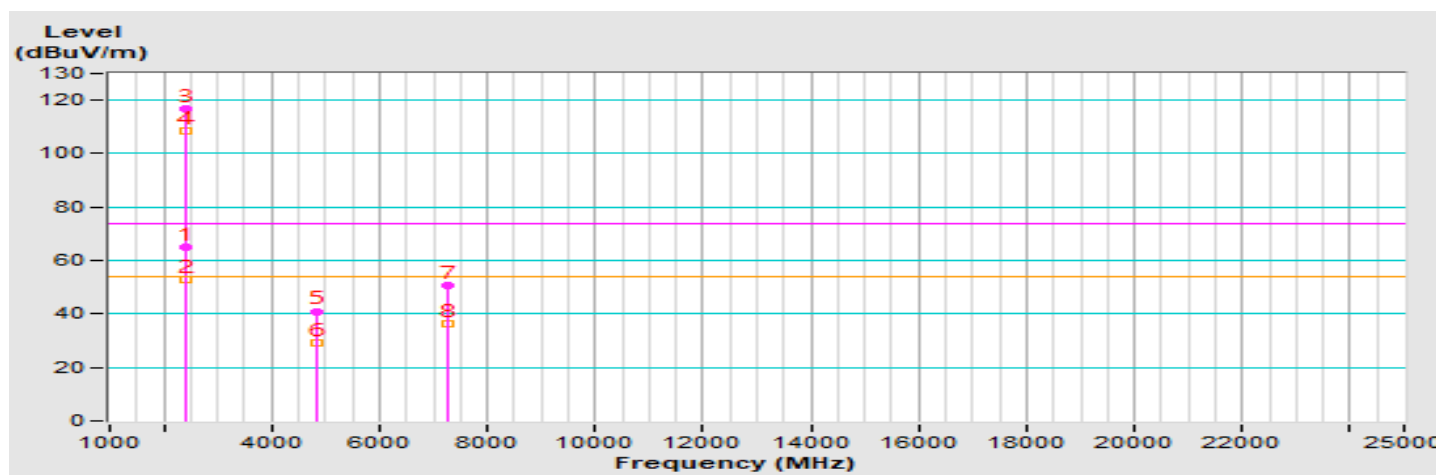
Horizontal (Average)

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	66.8 PK	74.0	-7.2	2.49 H	314	67.2	-0.4
2	2390.00	53.9 AV	54.0	-0.1	2.49 H	314	54.3	-0.4
3	*2422.00	119.4 PK			2.49 H	314	120.0	-0.6
4	*2422.00	109.9 AV			2.49 H	314	110.5	-0.6
5	4844.00	42.7 PK	74.0	-31.3	1.37 H	251	38.3	4.4
6	4844.00	30.5 AV	54.0	-23.5	1.37 H	251	26.1	4.4
7	7266.00	48.2 PK	74.0	-25.8	1.54 H	201	37.1	11.1
8	7266.00	33.9 AV	54.0	-20.1	1.54 H	201	22.8	11.1

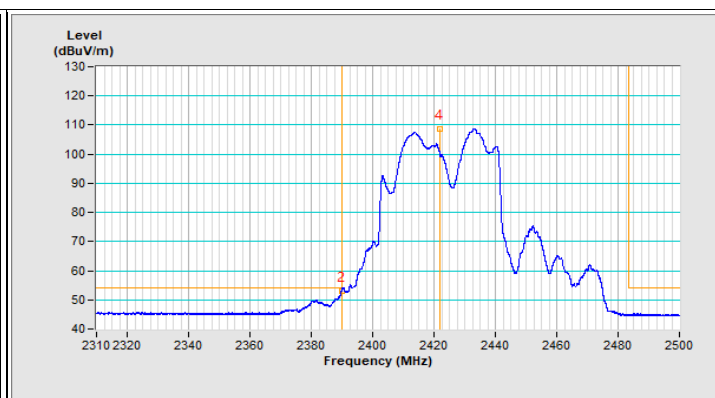
Remarks:

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	802.11be (EHT40)	Channel	CH 3 : 2422 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24



Vertical (Peak)



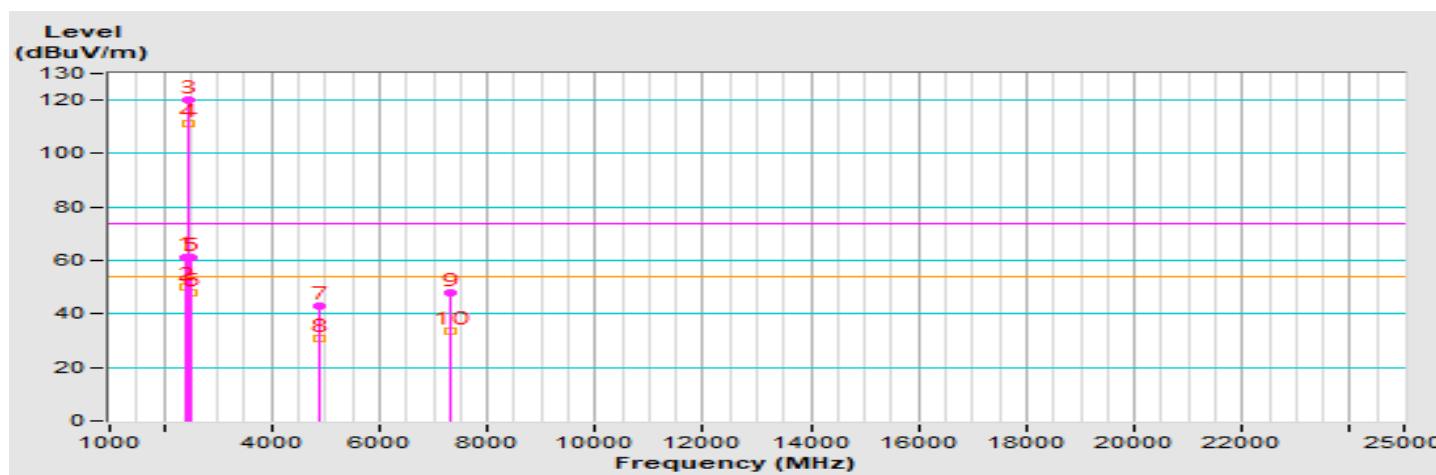
Vertical (Average)

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	65.1 PK	74.0	-8.9	2.10 V	38	65.5	-0.4
2	2390.00	52.9 AV	54.0	-1.1	2.10 V	38	53.3	-0.4
3	*2422.00	116.7 PK			2.10 V	38	117.3	-0.6
4	*2422.00	108.6 AV			2.10 V	38	109.2	-0.6
5	4844.00	41.0 PK	74.0	-33.0	1.64 V	237	36.6	4.4
6	4844.00	29.1 AV	54.0	-24.9	1.64 V	237	24.7	4.4
7	7266.00	50.8 PK	74.0	-23.2	1.35 V	281	39.7	11.1
8	7266.00	36.5 AV	54.0	-17.5	1.35 V	281	25.4	11.1

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	802.11be (EHT40)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5

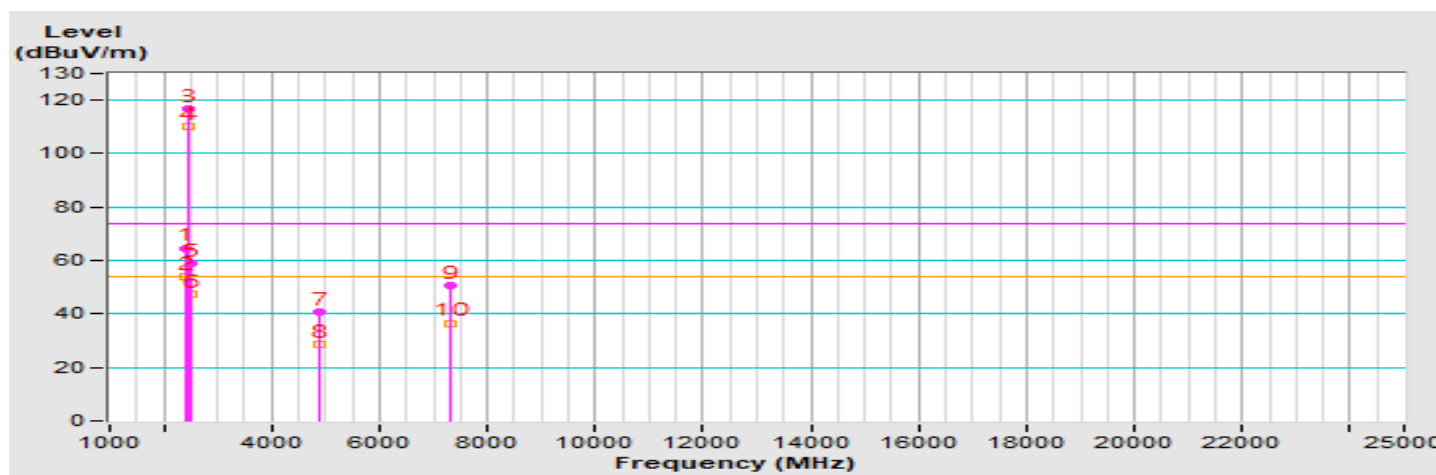


Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.4 PK	74.0	-12.6	1.88 H	349	61.8	-0.4
2	2390.00	49.9 AV	54.0	-4.1	1.88 H	349	50.3	-0.4
3	*2437.00	119.9 PK			1.88 H	349	120.4	-0.5
4	*2437.00	111.0 AV			1.88 H	349	111.5	-0.5
5	2483.50	61.3 PK	74.0	-12.7	1.88 H	349	62.0	-0.7
6	2483.50	47.8 AV	54.0	-6.2	1.88 H	349	48.5	-0.7
7	4874.00	43.0 PK	74.0	-31.0	1.42 H	243	38.6	4.4
8	4874.00	30.8 AV	54.0	-23.2	1.42 H	243	26.4	4.4
9	7311.00	47.8 PK	74.0	-26.2	1.52 H	211	36.9	10.9
10	7311.00	33.4 AV	54.0	-20.6	1.52 H	211	22.5	10.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 6 : 2437 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5

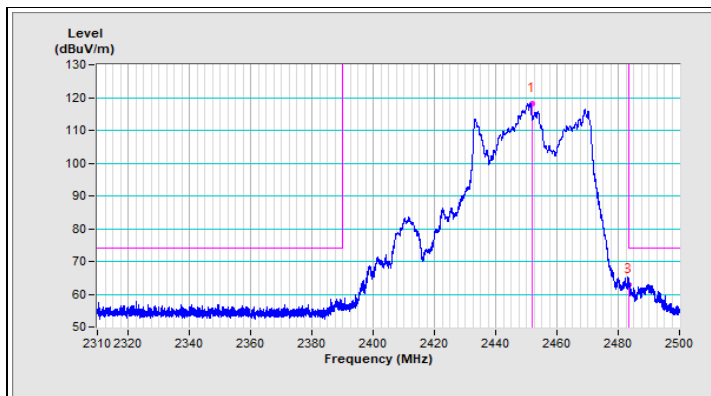
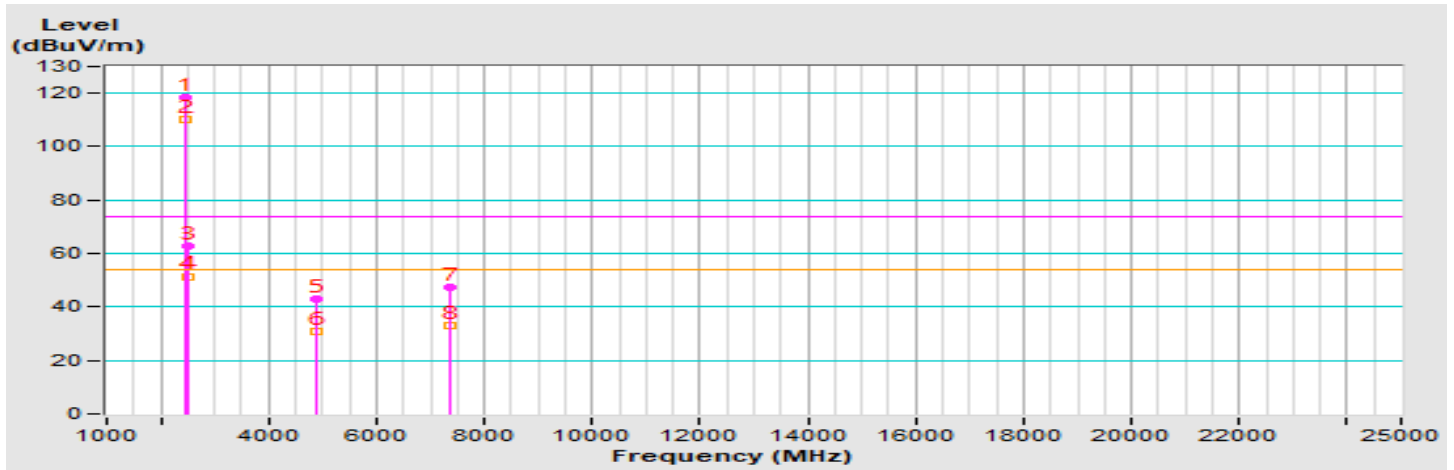


Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.7 PK	74.0	-9.3	1.72 V	39	65.1	-0.4
2	2390.00	53.9 AV	54.0	-0.1	1.72 V	39	54.3	-0.4
3	*2437.00	116.6 PK			1.72 V	39	117.1	-0.5
4	*2437.00	110.4 AV			1.72 V	39	110.9	-0.5
5	2483.50	58.7 PK	74.0	-15.3	1.72 V	39	59.4	-0.7
6	2483.50	47.5 AV	54.0	-6.5	1.72 V	39	48.2	-0.7
7	4874.00	40.6 PK	74.0	-33.4	1.66 V	235	36.2	4.4
8	4874.00	28.8 AV	54.0	-25.2	1.66 V	235	24.4	4.4
9	7311.00	50.8 PK	74.0	-23.2	1.36 V	283	39.9	10.9
10	7311.00	36.6 AV	54.0	-17.4	1.36 V	283	25.7	10.9

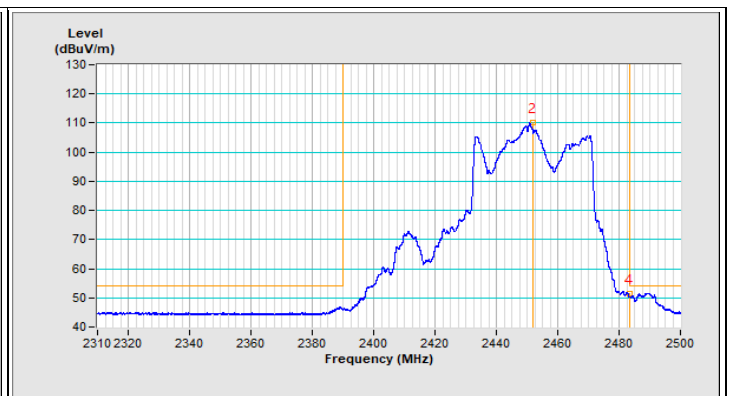
Remarks:

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	802.11be (EHT40)	Channel	CH 9 : 2452 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5



Horizontal (Peak)



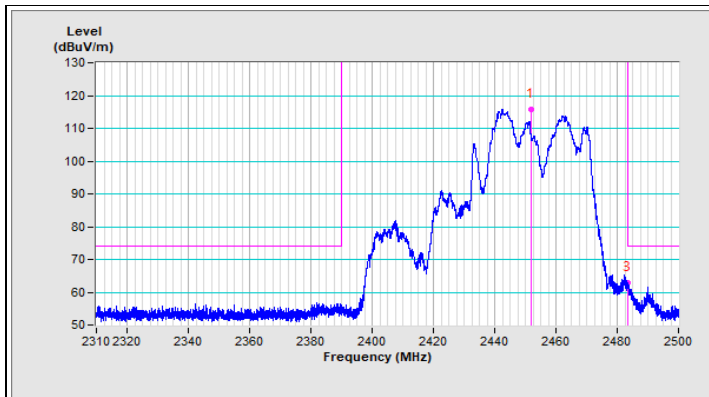
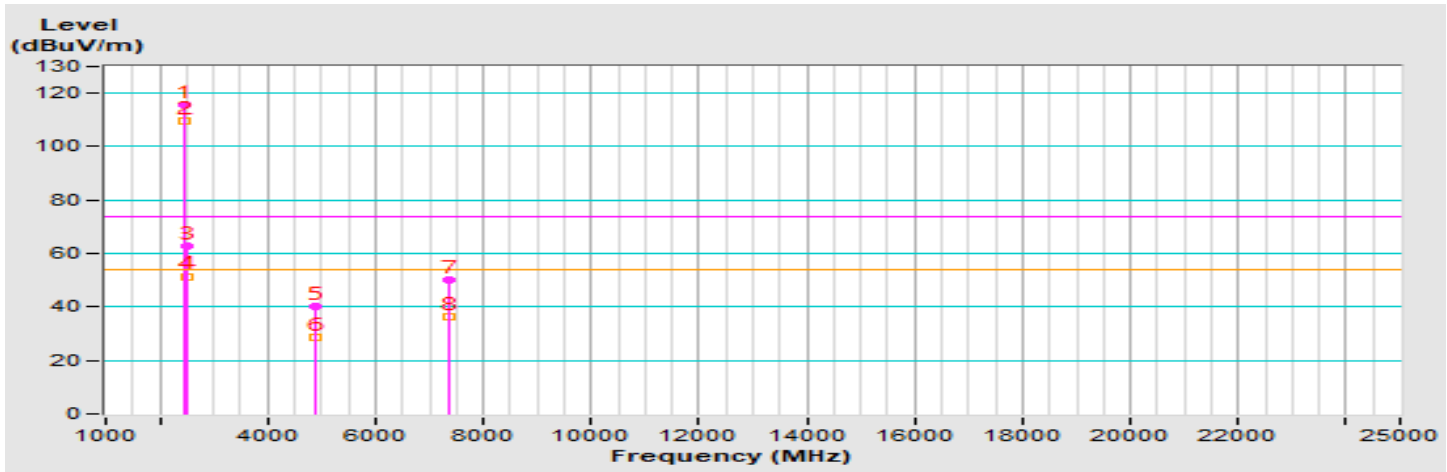
Horizontal (Average)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	118.2 PK			2.42 H	360	118.9	-0.7
2	*2452.00	110.0 AV			2.42 H	360	110.7	-0.7
3	2483.50	63.0 PK	74.0	-11.0	2.42 H	360	63.7	-0.7
4	2483.50	51.5 AV	54.0	-2.5	2.42 H	360	52.2	-0.7
5	4904.00	43.0 PK	74.0	-31.0	1.44 H	232	38.6	4.4
6	4904.00	30.9 AV	54.0	-23.1	1.44 H	232	26.5	4.4
7	7356.00	47.3 PK	74.0	-26.7	1.57 H	203	36.3	11.0
8	7356.00	32.9 AV	54.0	-21.1	1.57 H	203	21.9	11.0

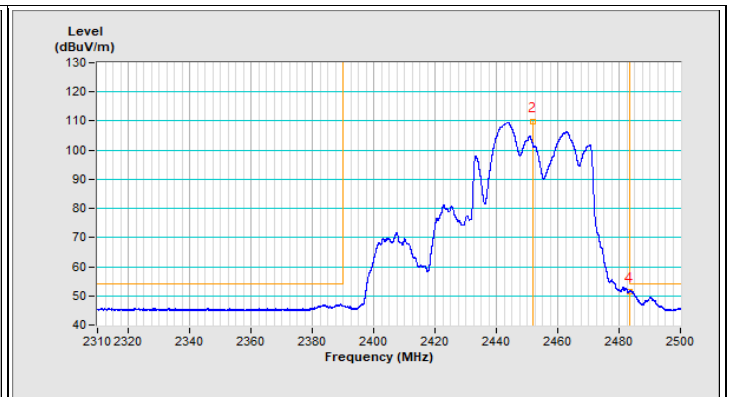
Remarks:

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	802.11be (EHT40)	Channel	CH 9 : 2452 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Vanness Huang	Power Setting	24.5



Vertical (Peak)



Vertical (Average)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	115.7 PK			2.08 V	37	116.4	-0.7
2	*2452.00	109.6 AV			2.08 V	37	110.3	-0.7
3	2483.50	62.8 PK	74.0	-11.2	2.08 V	37	63.5	-0.7
4	2483.50	51.5 AV	54.0	-2.5	2.08 V	37	52.2	-0.7
5	4904.00	40.0 PK	74.0	-34.0	1.69 V	222	35.6	4.4
6	4904.00	28.4 AV	54.0	-25.6	1.69 V	222	24.0	4.4
7	7356.00	50.3 PK	74.0	-23.7	1.33 V	294	39.3	11.0
8	7356.00	36.4 AV	54.0	-17.6	1.33 V	294	25.4	11.0

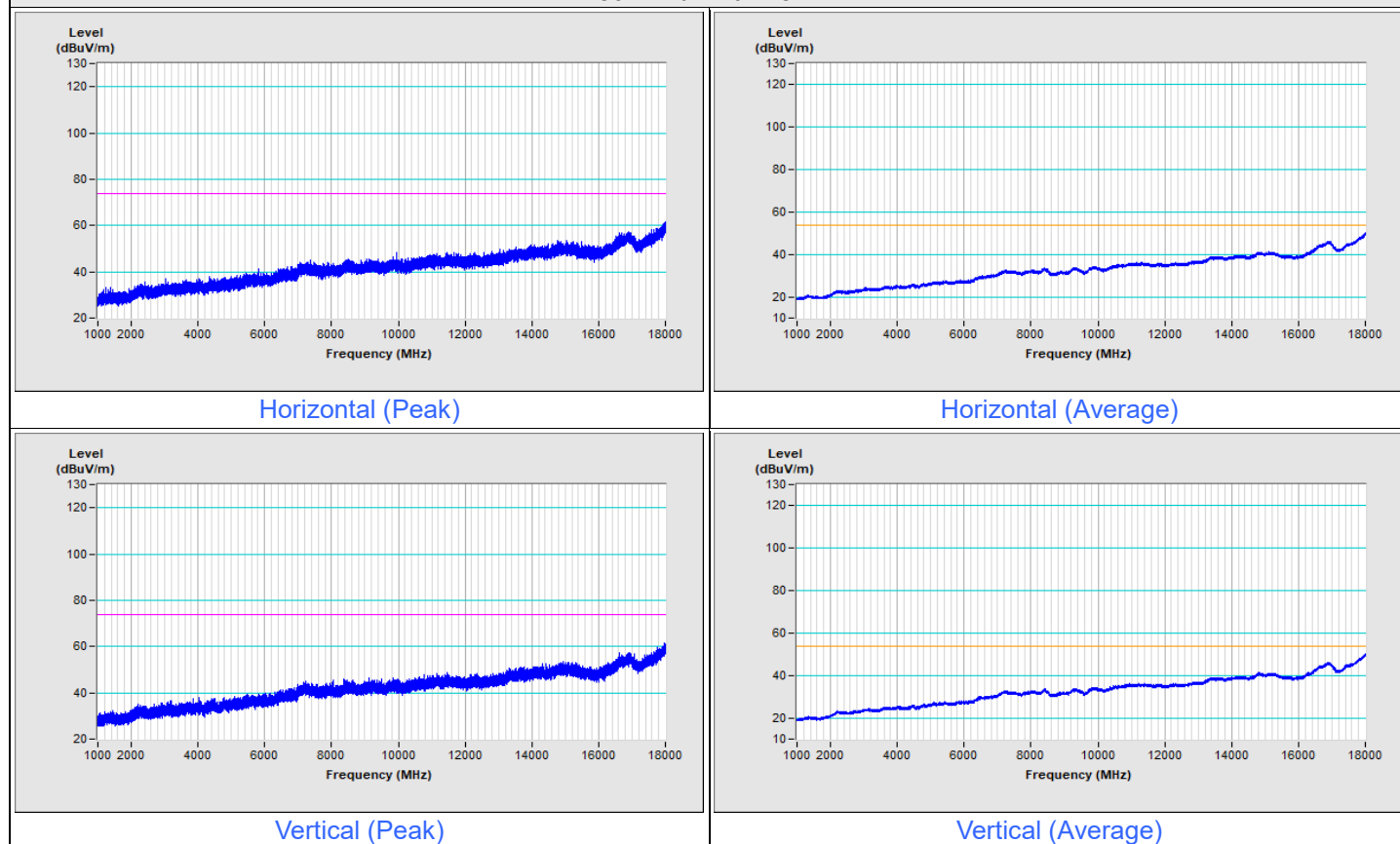
Remarks:

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.

Plot of Other Emission

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11b Channel 1

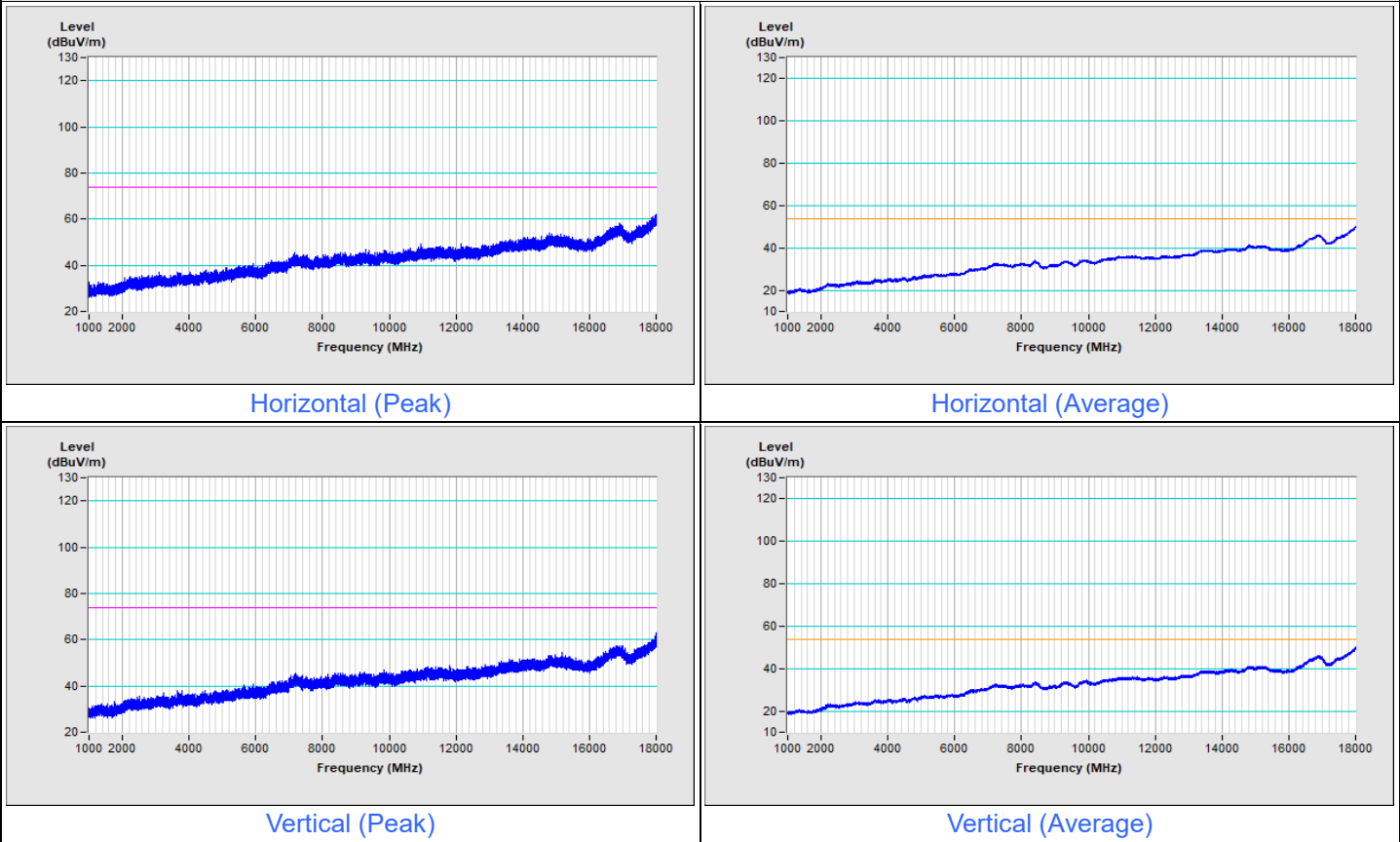


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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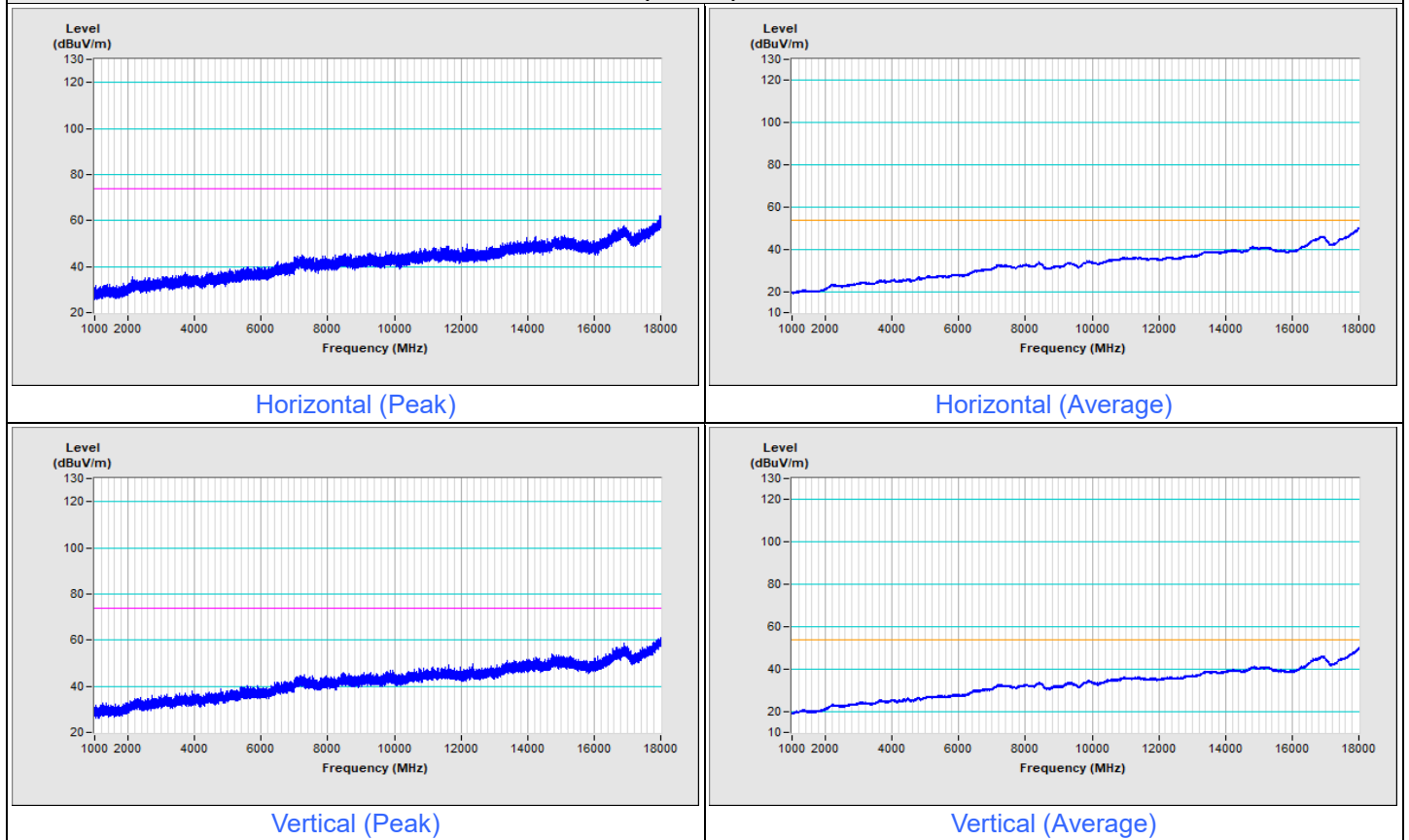
802.11g Channel 11



- Notes:
1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
 2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11be (EHT20) Channel 11

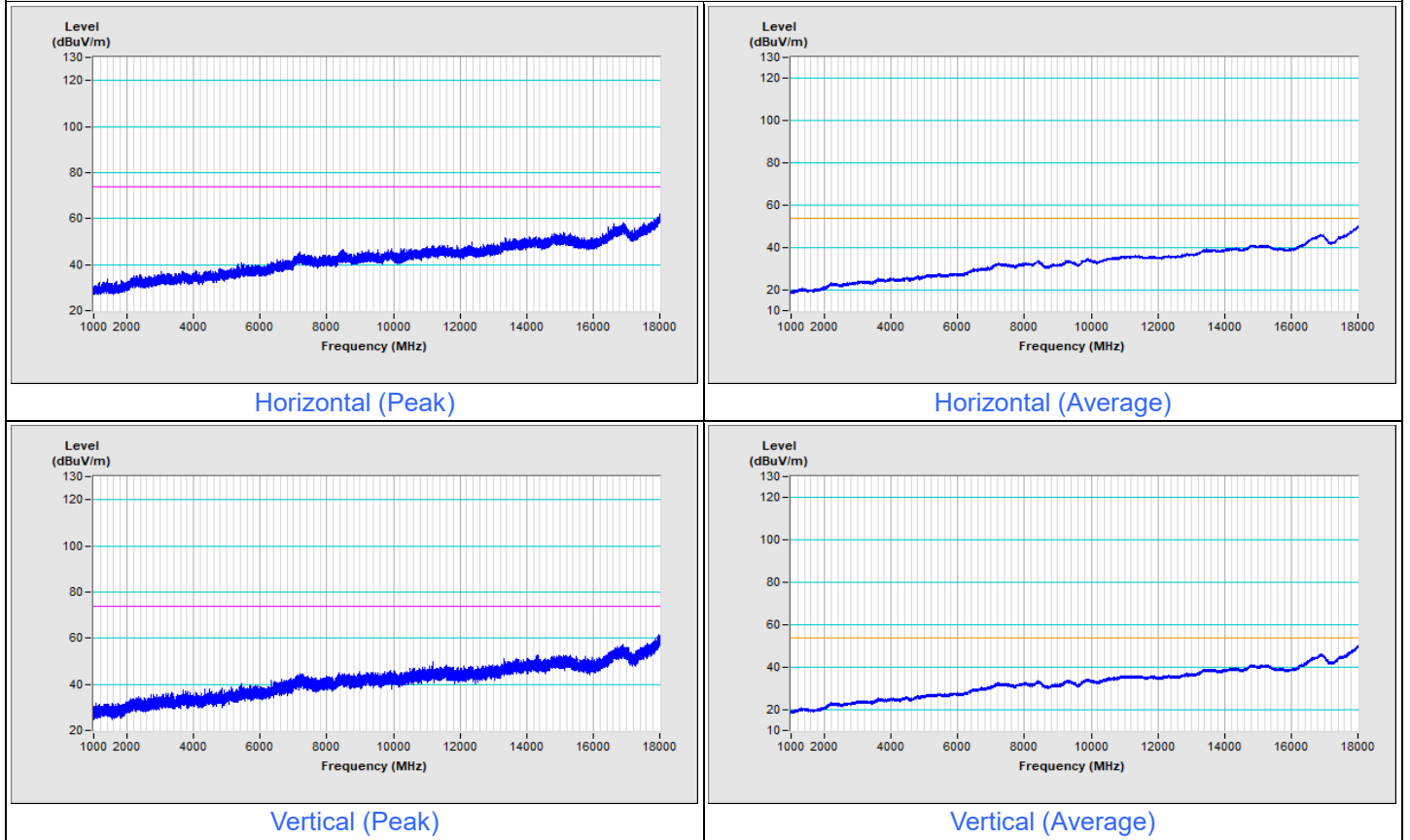


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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802.11be (EHT40) Channel 6



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

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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Email: service.adt@bureauveritas.com

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

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

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