

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBAOZ-WTW-P25060017A

FCC ID: U4Y-LX-7200

Product: LANCOM LX-7200 2x2x2 Indoor 11be AP

Brand: LANCOM

Model No.: LANCOM LX-7200

Received Date: 2025/12/8

Test Date: 2026/1/7 ~ 2026/1/26

Issued Date: 2026/3/31

Applicant: LANCOM Systems GmbH

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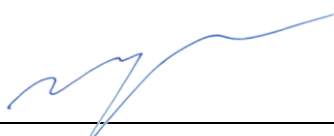
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 723255 / TW2022

Designation Number:

Approved by:  , **Date:** 2026/3/31
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Prepared by : Claire Kuan / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBAOZ-WTW-P25060017A	Original release.	2026/3/31

1 Certificate

Product: LANCOM LX-7200 2x2x2 Indoor 11be AP

Brand: LANCOM

Test Model: LANCOM LX-7200

Sample Status: Engineering sample

Applicant: LANCOM Systems GmbH

Test Date: 2026/1/7 ~ 2026/1/26

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 -3.34 dB at 0.41172 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.8 dB at 75.06 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	No antenna connector is used.

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	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description

Product	LANCOM LX-7200 2x2x2 Indoor 11be AP
Brand	LANCOM
Test Model	LANCOM LX-7200
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from adapter or 56 Vdc from PoE 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 300 Mbps VHT: up to 400 Mbps 802.11ax: up to 573.5 Mbps 802.11be: up to 688.25 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: 952.953 mW (29.79 dBm) Beamforming: 652.435 mW (28.15 dBm)

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.
2. The device of WLAN (2.4 GHz), Bluetooth technology can't transmit simultaneously, it was used timely shared coexistence technology.
3. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz) / Bluetooth	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	Cable length (cm)
1 A1-2G4	0	AOT	ANT-LX7200-AL03	2.49	2.4 ~ 2.5	PIFA	ipex(MHF)	15.5
2 A2-2G4	1	AOT	ANT-LX7200-AL03	3.96	2.4 ~ 2.5	PIFA	ipex(MHF)	14
3 A3-BLE	0	AOT	ANT-LX7200-AL03	7	2.4 ~ 2.5	Dipole	ipex(MHF)	6
4 A4-5GV	0	AOT	ANT-LX7200-AL03	4.19	5.15 ~ 5.25	PIFA	ipex(MHF)	11.5
				4.74	5.25 ~ 5.35			
				5.37	5.47 ~ 5.725			
				5.73	5.725 ~ 5.85			
5 A5-5GV	1	AOT	ANT-LX7200-AL03	4.52	5.15 ~ 5.25	PIFA	ipex(MHF)	17.8
				4.73	5.25 ~ 5.35			
				4.33	5.47 ~ 5.725			
				4.55	5.725 ~ 5.85			
6 A6-6GH	0	AOT	ANT-LX7200-AL03	6.6	5.925 ~ 7.125	Dipole	ipex(MHF)	18
7 A7-6GH	1	AOT	ANT-LX7200-AL03	6.7	5.925 ~ 7.125	Dipole	ipex(MHF)	9.5

* 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	Directional Gain (dBi)
2.4~2.5GHz	6.27
5.15~5.25GHz	6.8
5.25~5.35GHz	6.8
5.47~5.725GHz	7.07
5.725~5.85GHz	6.94

3. The EUT incorporates a MIMO function:

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX

Note:

- All of modulation mode support beamforming function except 802.11b/g modulation mode.
- 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.
- 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. EUT can be used in the following ways: Ceiling/ Wall Mount. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT can be powered by: POE/ AC Adapter. Pre-scan these modes and find the worst case as a representative test condition. 3. 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. EUT Worst Condition of placement: Unwanted Emission: Wall Mount AC Power Conducted Emission: Wall Mount 2. EUT Worst Condition of powered: Unwanted Emission: POE Mode AC Power Conducted Emission: AC Adapter

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, 2, 6, 11	DBPSK	1Mb/s
	802.11g	CDD	1, 2, 6, 10, 11	BPSK	6Mb/s
	802.11be (EHT20)	CDD & Beamforming	1, 2, 6, 10, 11	BPSK	MCS0
	802.11be (EHT40)	CDD & Beamforming	3, 6, 8, 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	802.11b	CDD	6	DBPSK	1Mb/s
Unwanted Emissions below 1 GHz	802.11b	CDD	6	DBPSK	1Mb/s
Unwanted Emissions above 1 GHz	802.11b	CDD	1, 2, 6, 11	DBPSK	1Mb/s
	802.11g	CDD	1, 2, 6, 10, 11	BPSK	6Mb/s
	802.11be (EHT20)	CDD	1, 2, 6, 10, 11	BPSK	MCS0
	802.11be (EHT40)	CDD	3, 6, 8, 9	BPSK	MCS0

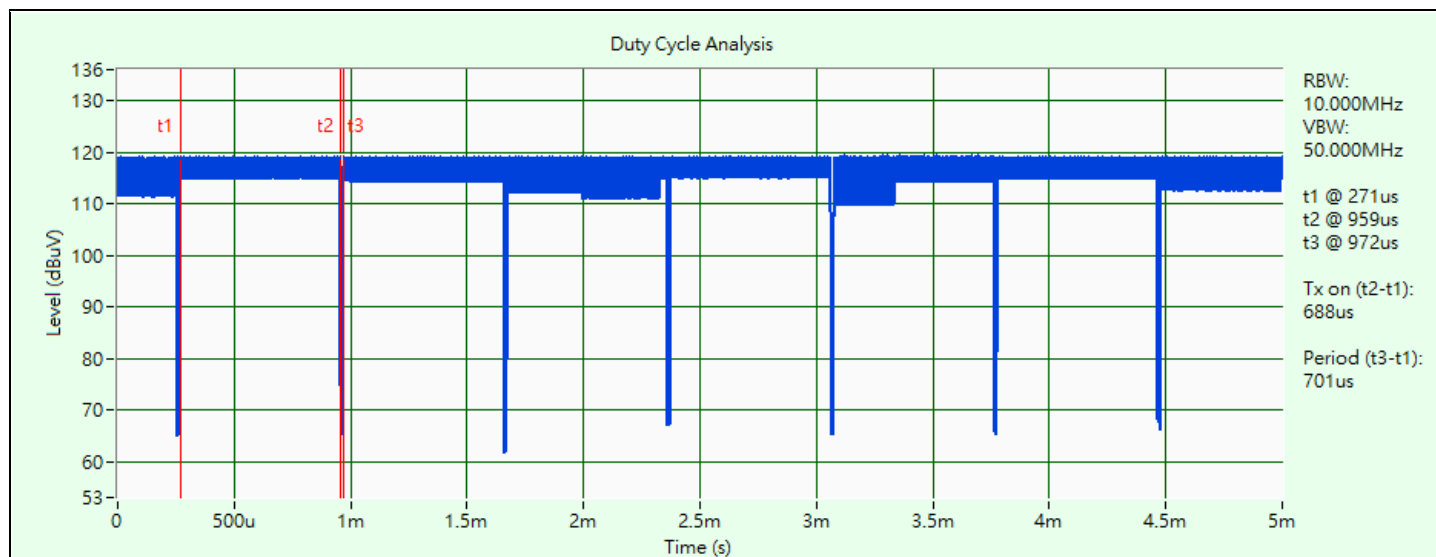
3.5 Duty Cycle of Test Signal

802.11b: Duty cycle = 0.688 ms / 0.701 ms x 100% = 98.1%

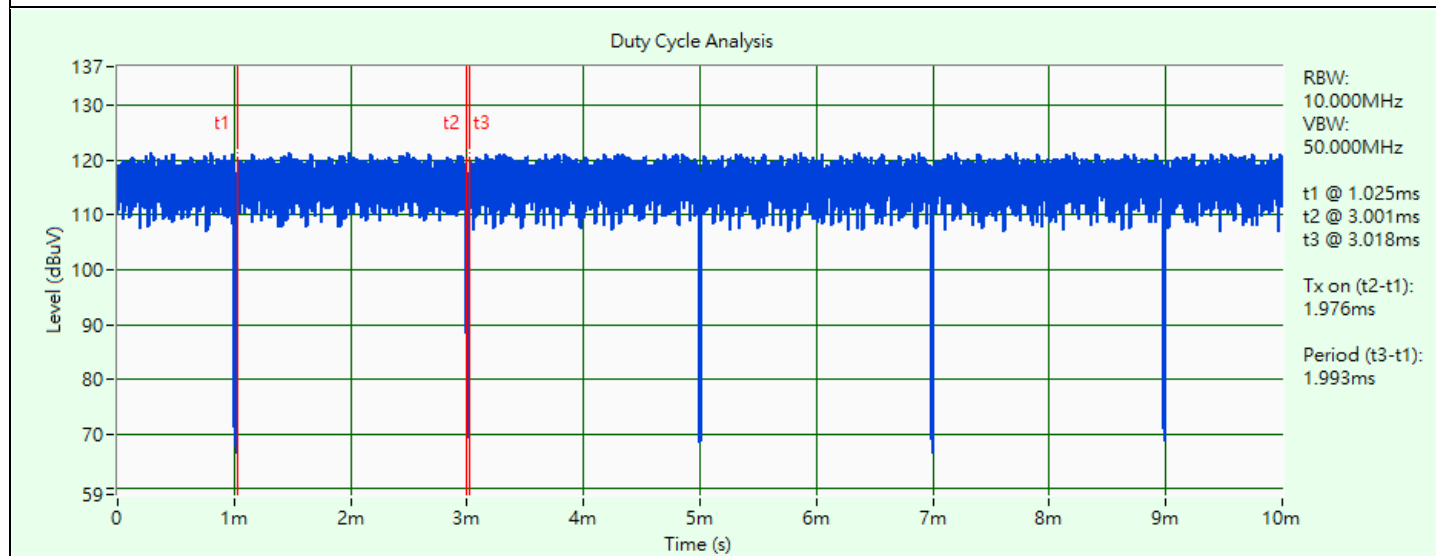
802.11g: Duty cycle = 1.976 ms / 1.993 ms x 100% = 99.1%

802.11be (EHT20): Duty cycle = 5.452 ms / 5.512 ms x 100% = 98.9%

802.11be (EHT40): Duty cycle = 5.454 ms / 5.521 ms x 100% = 98.8%

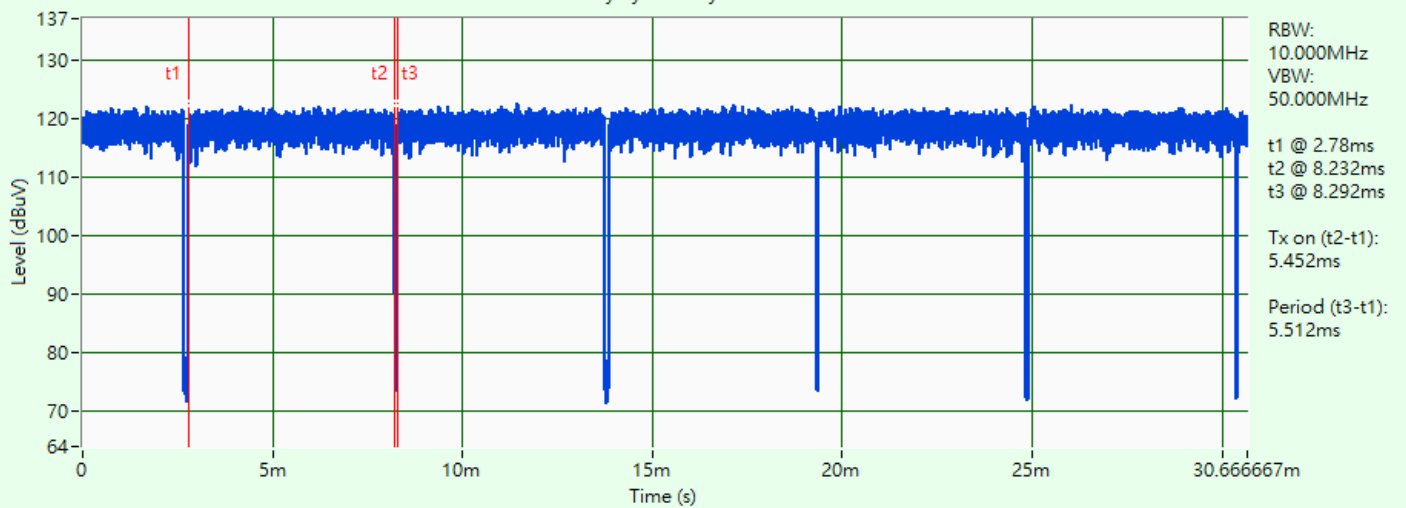


802.11b



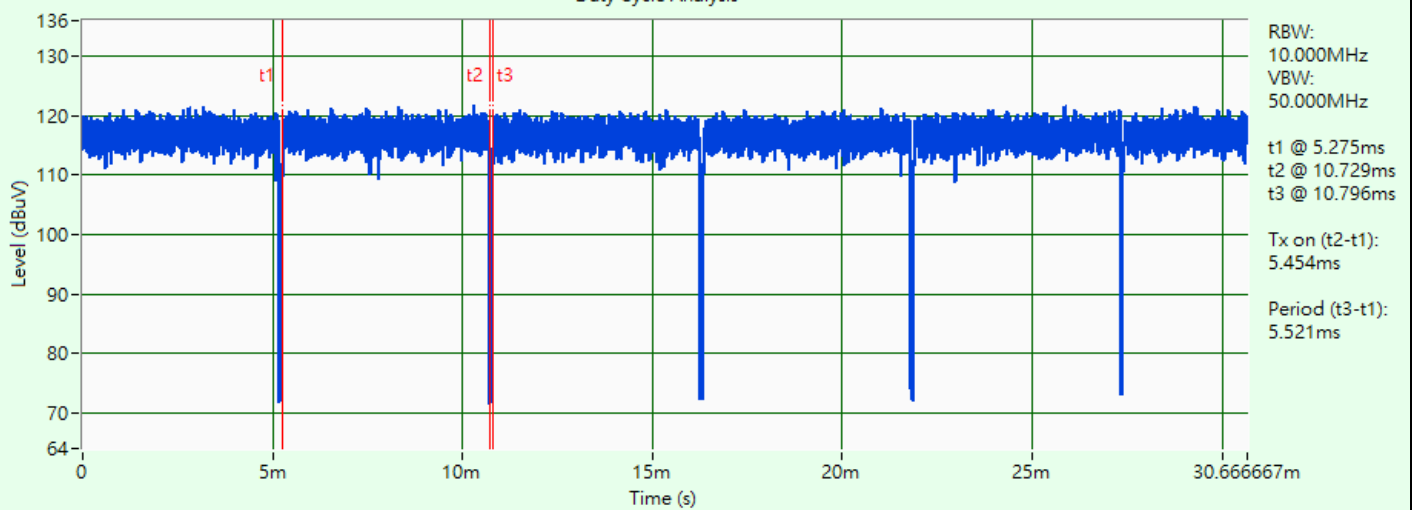
802.11g

Duty Cycle Analysis



802.11be (EHT20)

Duty Cycle Analysis



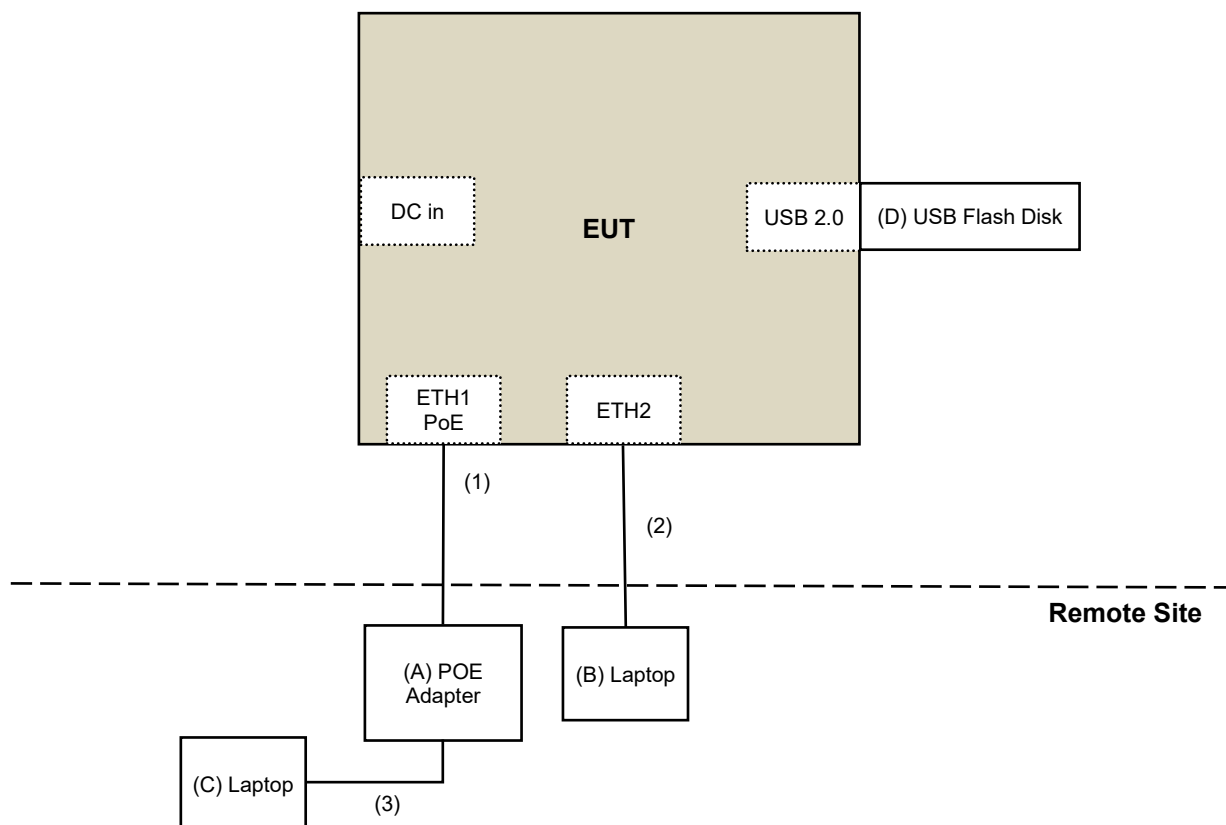
802.11be (EHT40)

3.6 Test Program Used and Operation Descriptions

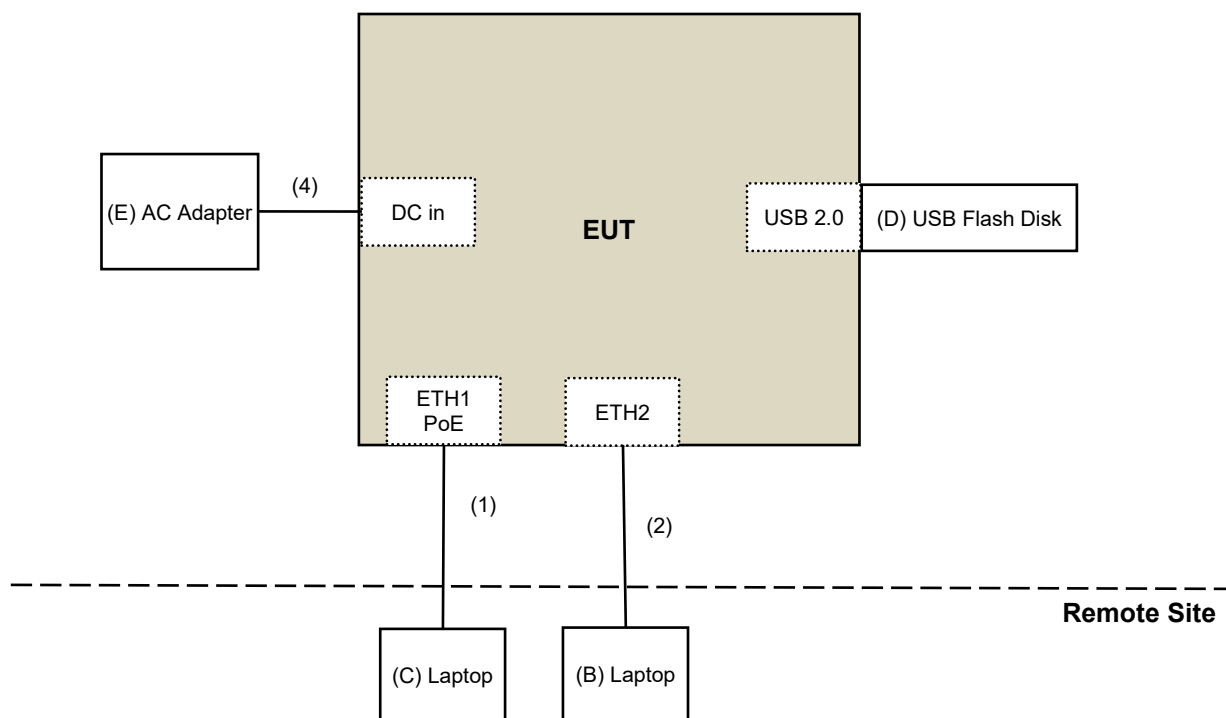
Controlling software (QSPR v6.00.00.228.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emissions test:



For AC Power Conducted Emission test:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	POE Adapter	DELTA	ADH-65AR N	N/A	N/A	Supplied by applicant
B	Laptop	HP	TPN-Q186	5CD8212YYK	DoC	Provided by Lab
C	Laptop	DELL	E6230	5XTGWW1	N/A	Provided by Lab
D	USB Flash Disk	Sandisk	Ultra Go	N/A	N/A	Provided by Lab
E	AC Adapter	AMIGO	AMS340-1205000FU	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	No	0	Provided by Lab
2	RJ-45 Cable	1	10	No	0	Provided by Lab
3	RJ-45 Cable	1	3	No	0	Provided by Lab
4	DC Cable	1	1.5	No	0	Supplied by applicant

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 HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/1/26

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 HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/1/26

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 HC - Conduction 1(Hsinchu).
2. Tested Date: 2026/1/20

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0942	2025/9/16	2026/9/15
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-01	2025/5/15	2026/5/14
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXA Signal Analyzer Keysight	N9020B	MY60112410	2025/3/17	2026/3/16
MXE EMI Receiver Keysight	N9038A	MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC330N	980852	2025/2/8	2026/2/7
RF Coaxial Cable PEWC	8D	966-6-1	2025/5/15	2026/5/14
		966-6-2	2025/5/15	2026/5/14
		966-6-3	2025/5/15	2026/5/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 6(Hsinchu).
2. Tested Date: 2026/1/20

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-2035	2025/11/9	2026/11/8
	BBHA 9170	BBHA9170519	2025/11/9	2026/11/8
MXA Signal Analyzer Keysight	N9020B	MY60112410	2025/3/17	2026/3/16
MXE EMI Receiver Keysight	N9038A	MY59050100	2025/6/25	2026/6/24
Preamplifier EMCI	EMC12630SE	980385	2025/5/24	2026/5/23
	EMC184045SE	980387	2025/8/7	2026/8/6
RF Coaxial Cable EMCI	EMC104-SM-SM-1300	210205	2025/5/24	2026/5/23
	EMC104-SM-SM-2000	210203	2025/5/24	2026/5/23
	EMC104-SM-SM-8000	221015	2025/5/24	2026/5/23
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 6(Hsinchu).
2. Tested Date: 2026/1/7 ~ 2026/1/19

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	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

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

5.7 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

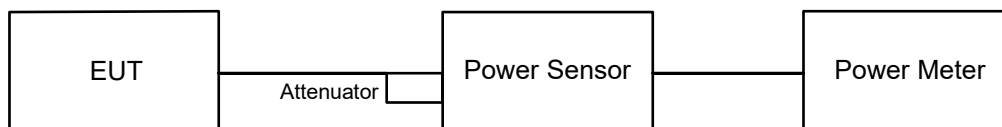
Notes:

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



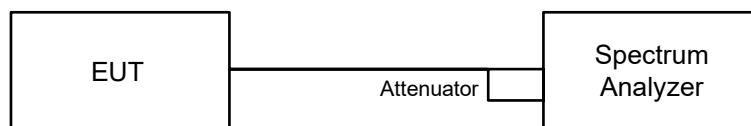
6.1.2 Test Procedure

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



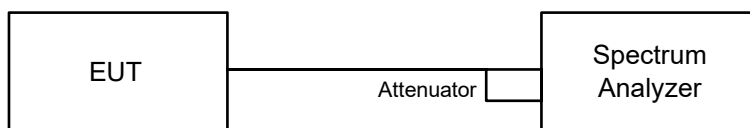
6.2.2 Test Procedure

- 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

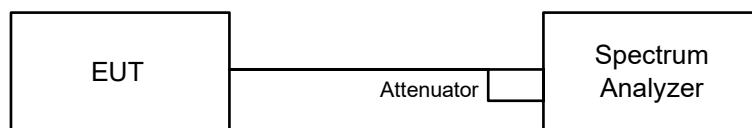


6.3.2 Test Procedure

- Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- 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

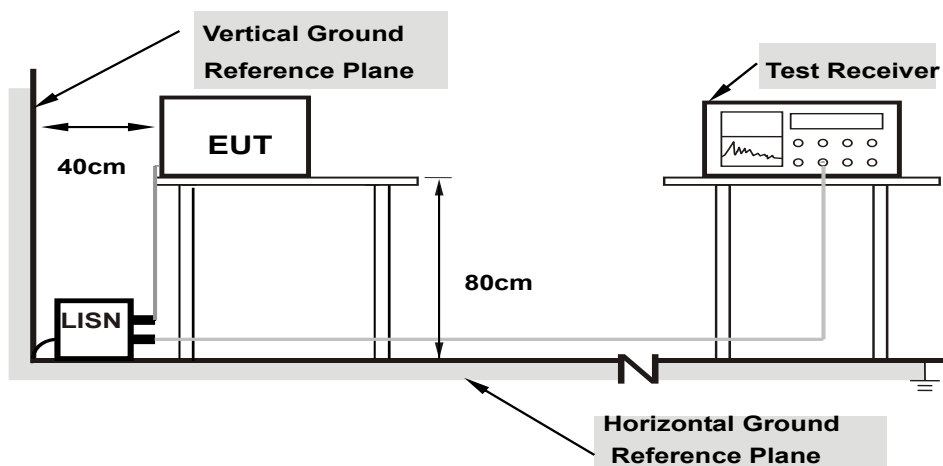
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use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

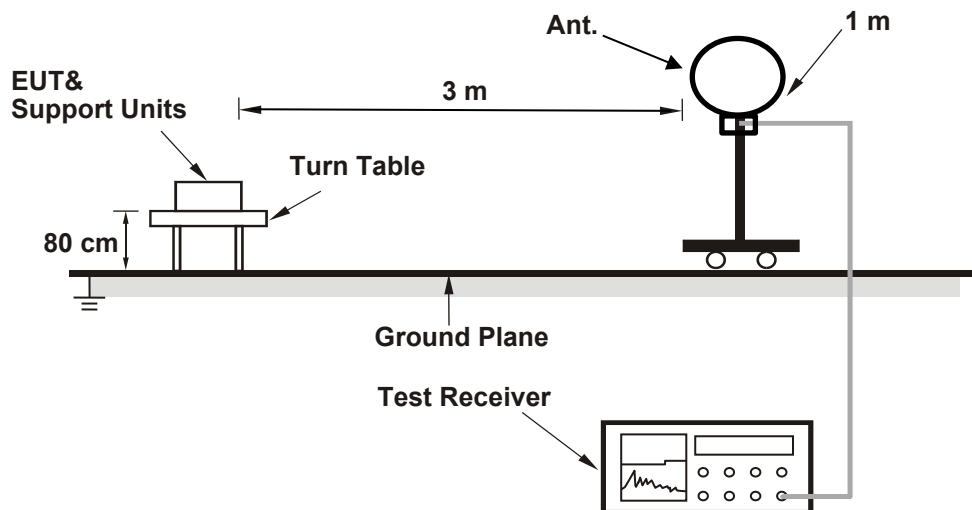
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

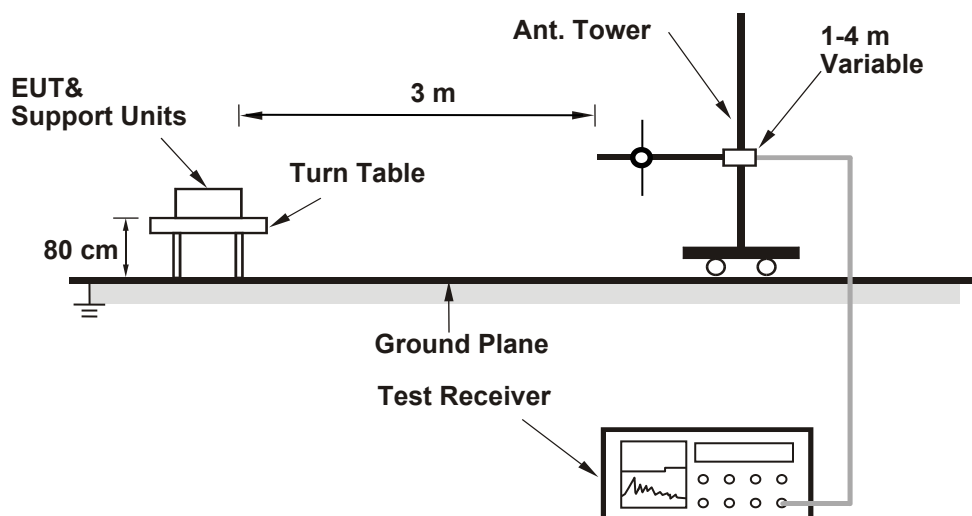
6.6 Unwanted Emissions below 1 GHz

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 (however, peak detector measurements may be used to determine compliance with QP requirements), 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

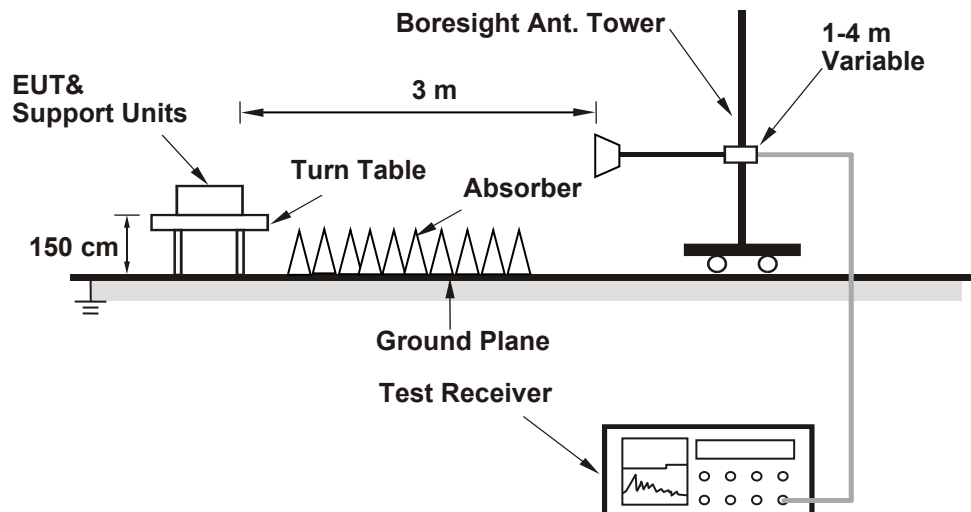
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	26.11	25.82	790.264	28.98	30	Pass
2	2417	26.10	26.28	832	29.20	30	Pass
6	2437	26.84	26.72	952.953	29.79	30	Pass
11	2462	26.72	26.71	938.707	29.73	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.96 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	22.82	22.52	370.074	25.68	30	Pass
2	2417	23.01	23.22	409.88	26.13	30	Pass
6	2437	25.54	25.62	722.85	28.59	30	Pass
10	2457	24.24	24.56	551.22	27.41	30	Pass
11	2462	21.92	22.14	319.278	25.04	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.96 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	22.21	20.83	287.401	24.58	30	Pass
2	2417	22.10	22.34	333.577	25.23	30	Pass
6	2437	24.92	25.34	652.435	28.15	30	Pass
10	2457	23.04	23.28	414.186	26.17	30	Pass
11	2462	21.94	21.92	311.911	24.94	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.96 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	21.14	21.04	257.074	24.10	30	Pass
6	2437	23.62	23.61	459.759	26.63	30	Pass
8	2447	21.26	21.36	270.432	24.32	30	Pass
9	2452	19.34	19.34	171.803	22.35	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.96 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				
1	2412	22.21	20.83	287.401	24.58	29.73	Pass
2	2417	22.10	22.34	333.577	25.23	29.73	Pass
6	2437	24.92	25.34	652.435	28.15	29.73	Pass
10	2457	23.04	23.28	414.186	26.17	29.73	Pass
11	2462	21.94	21.92	311.911	24.94	29.73	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 6.27 dBi $>$ 6 dBi, so the output power limit shall be reduced to $30 - (6.27 - 6) = 29.73$ dBm.

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				
3	2422	21.14	21.04	257.074	24.10	29.73	Pass
6	2437	23.62	23.61	459.759	26.63	29.73	Pass
8	2447	21.26	21.36	270.432	24.32	29.73	Pass
9	2452	19.34	19.34	171.803	22.35	29.73	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 6.27 dBi $>$ 6 dBi, so the output power limit shall be reduced to $30 - (6.27 - 6) = 29.73$ dBm.

7.2 Power Spectral Density

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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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			
1	2412	-1.60	-2.06	1.19	7.73	Pass
6	2437	-1.30	-0.83	1.95	7.73	Pass
11	2462	-1.42	-0.86	1.88	7.73	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 6.27 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.27-6) = 7.73$ dBm/3kHz.

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-7.56	-8.60	-5.04	7.73	Pass
6	2437	-7.53	-5.10	-3.14	7.73	Pass
11	2462	-8.39	-8.34	-5.35	7.73	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 6.27 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.27-6) = 7.73$ dBm/3kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-9.00	-9.02	-6.00	7.73	Pass
6	2437	-6.27	-5.63	-2.93	7.73	Pass
11	2462	-8.07	-8.23	-5.14	7.73	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 6.27 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.27-6) = 7.73$ dBm/3kHz.

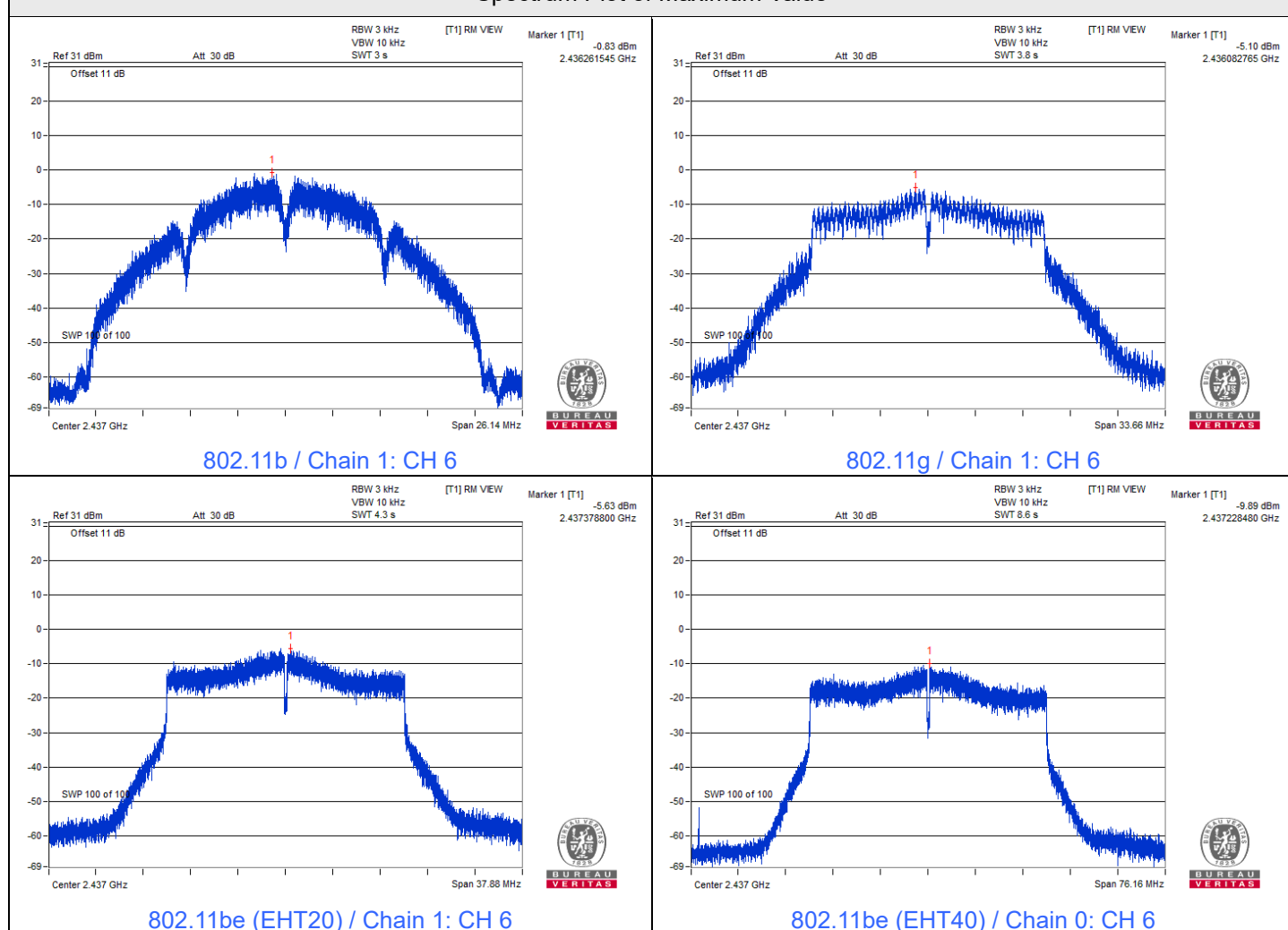
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-12.86	-11.49	-9.11	7.73	Pass
6	2437	-9.89	-10.91	-7.36	7.73	Pass
9	2452	-14.55	-14.08	-11.30	7.73	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 6.27 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.27 - 6) = 7.73$ dBm/3kHz.

Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	7.33	7.29	0.5	Pass
6	2437	7.33	8.21	0.5	Pass
11	2462	7.76	7.75	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	15.93	15.87	0.5	Pass
6	2437	15.95	15.42	0.5	Pass
11	2462	15.97	15.90	0.5	Pass

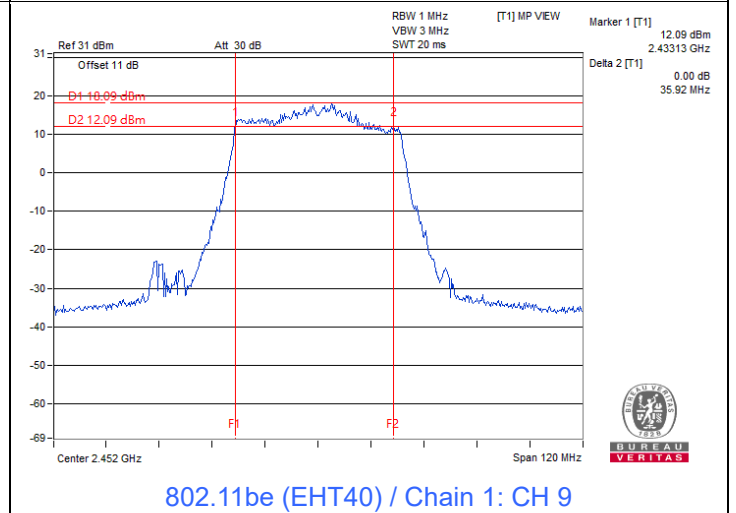
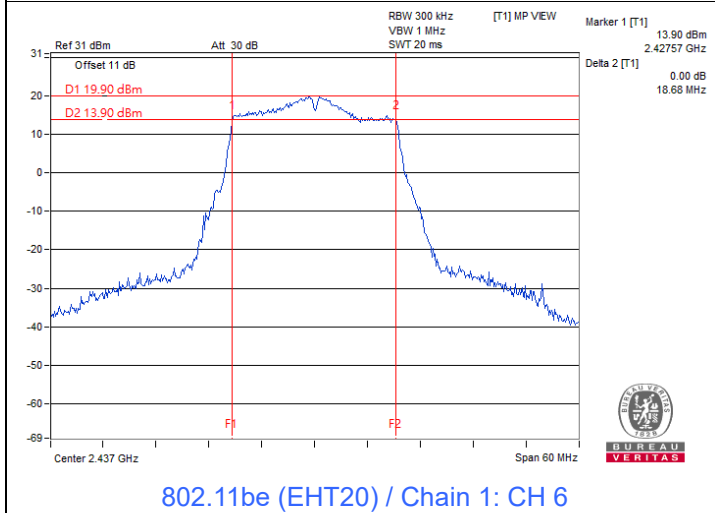
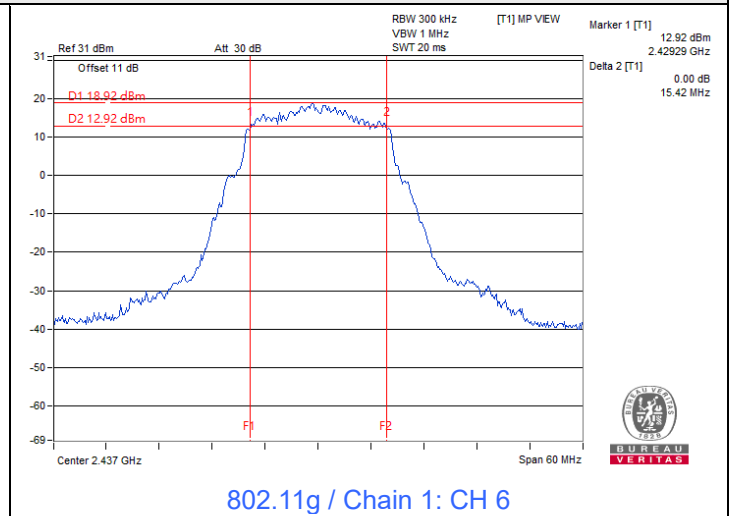
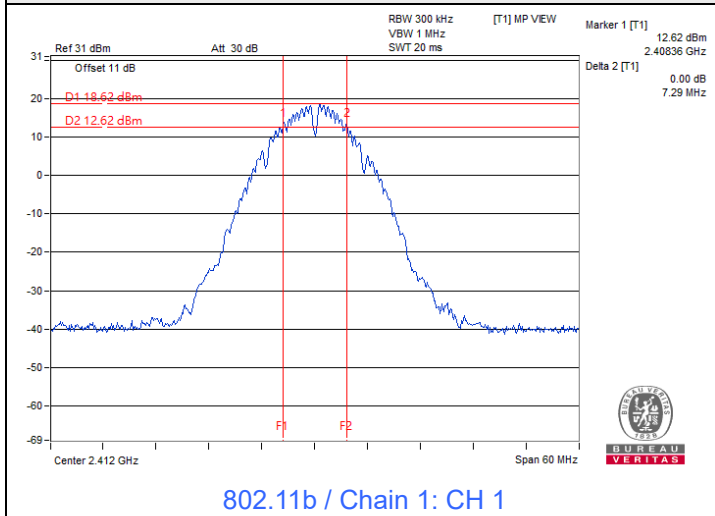
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	18.91	18.96	0.5	Pass
6	2437	18.86	18.68	0.5	Pass
11	2462	18.84	18.81	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	37.38	37.29	0.5	Pass
6	2437	36.93	37.32	0.5	Pass
9	2452	37.01	35.92	0.5	Pass

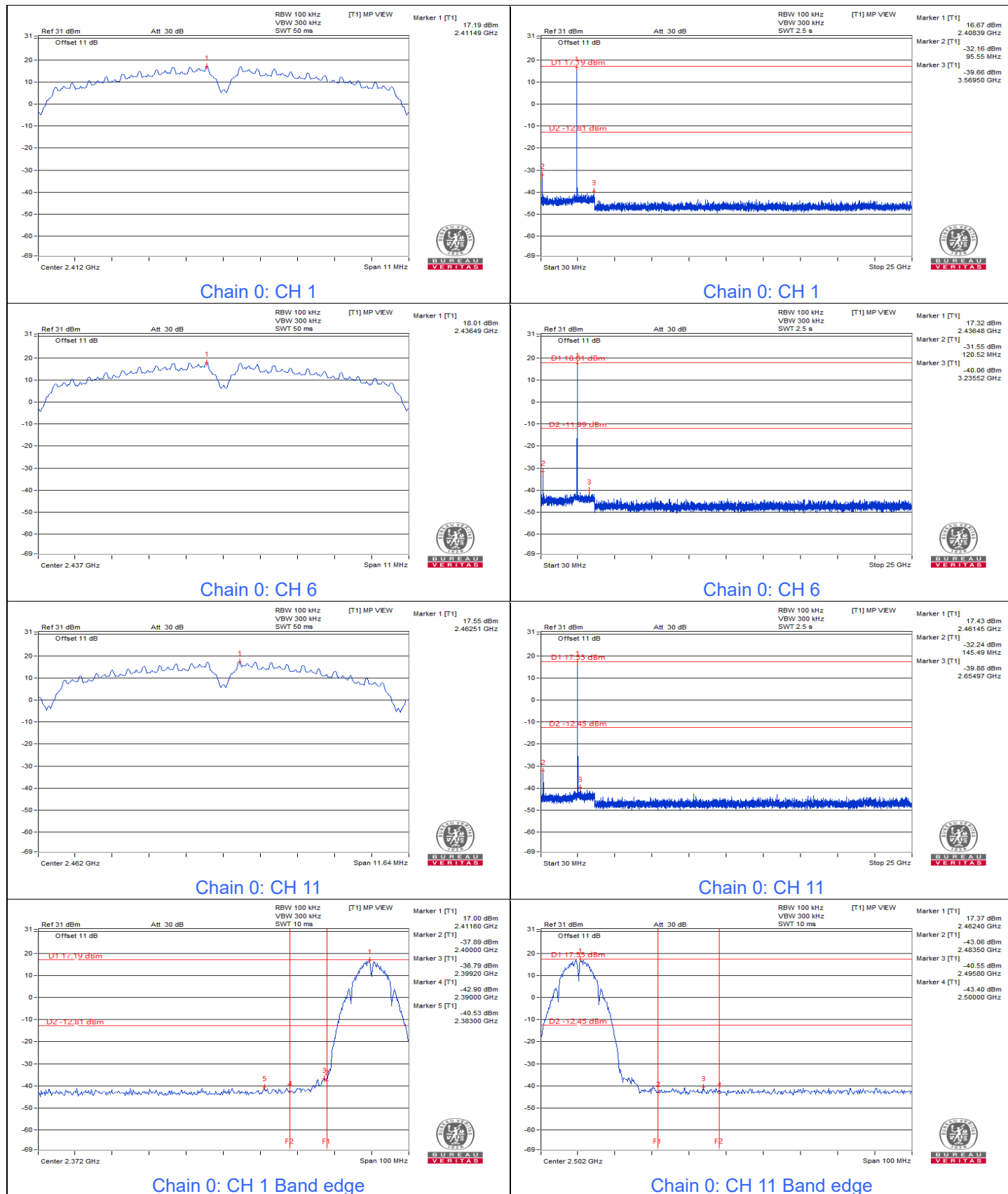
Spectrum Plot of Minimum Value

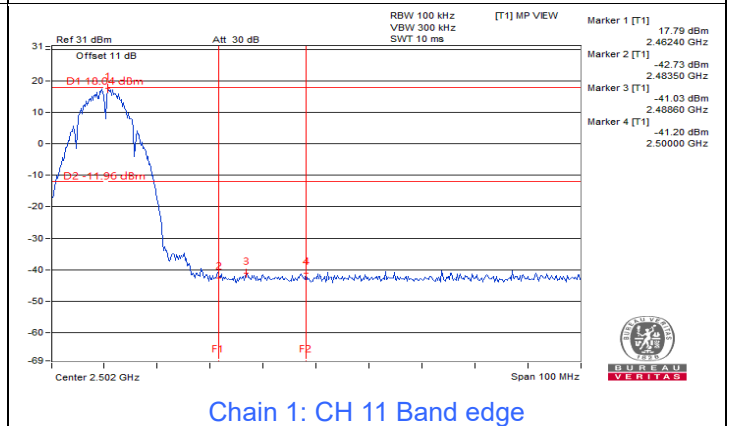
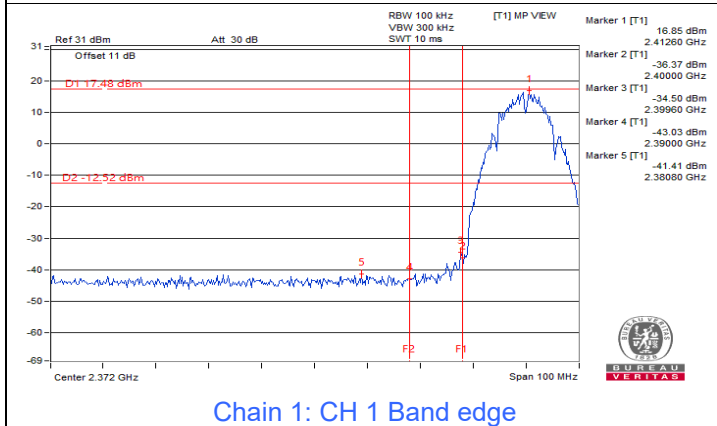
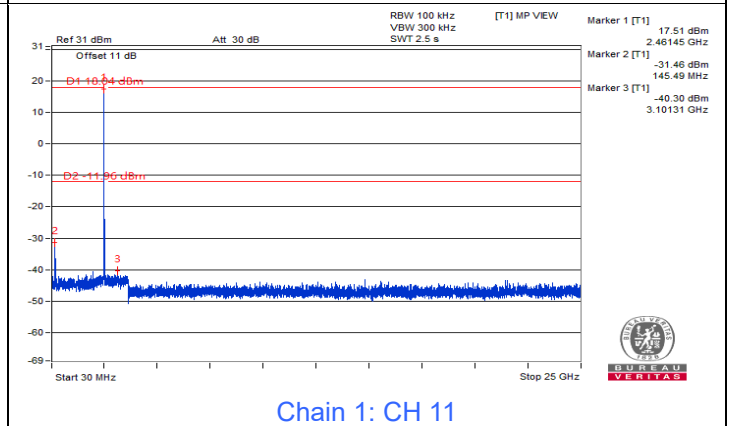
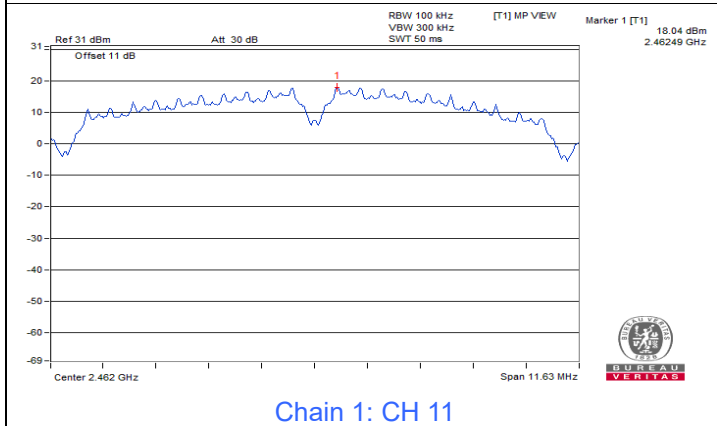
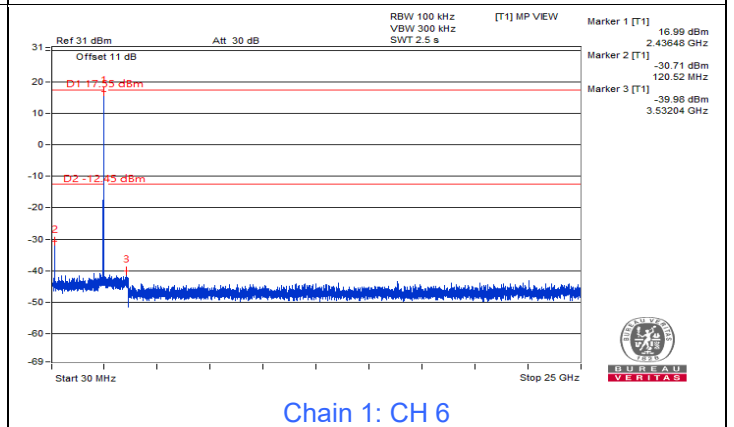
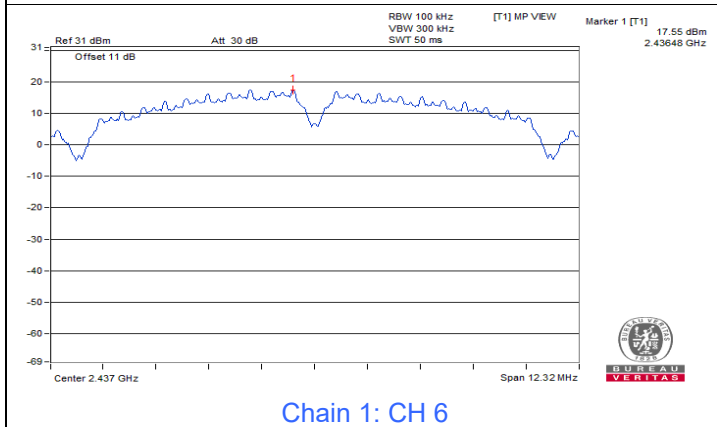
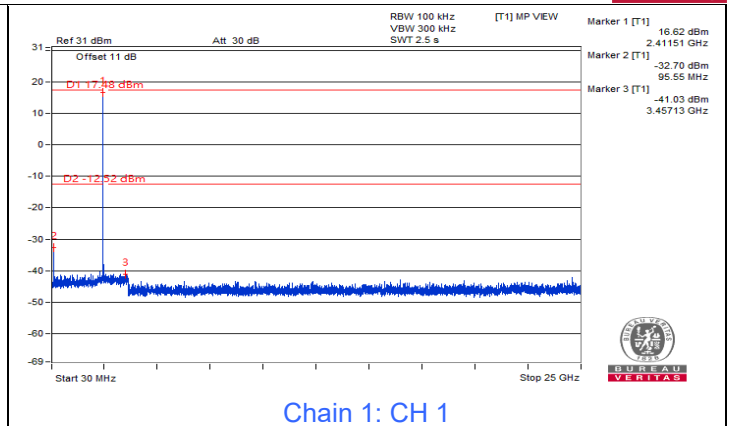
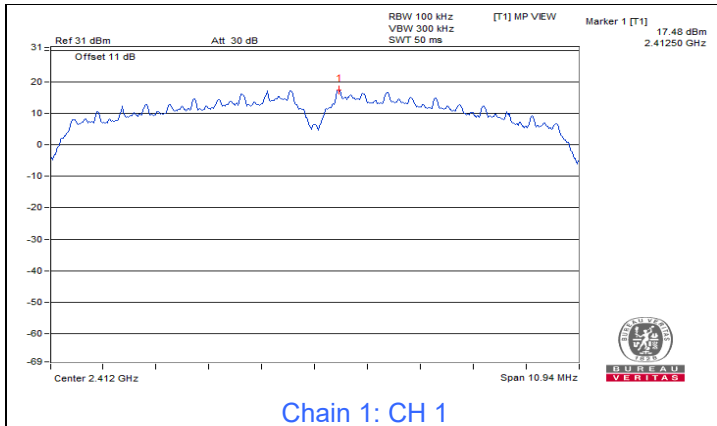


7.4 Conducted Out of Band Emissions

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
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802.11b



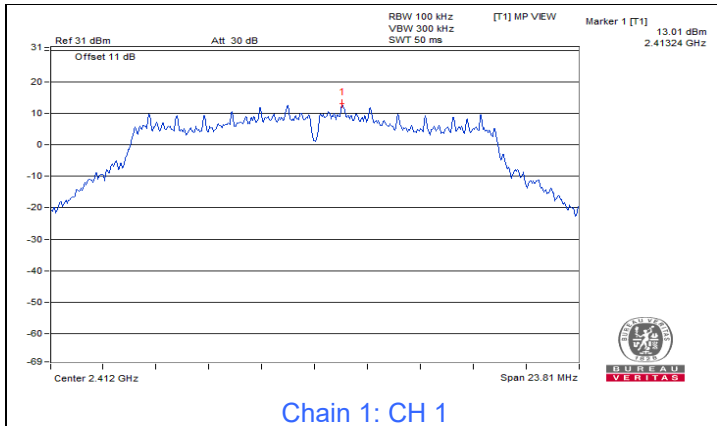


802.11g

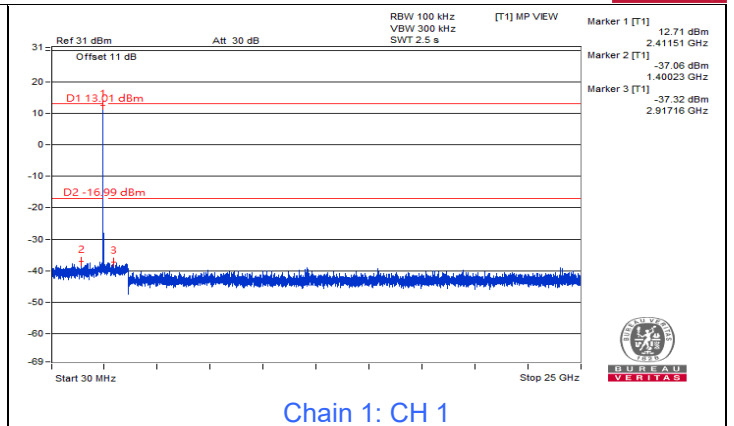




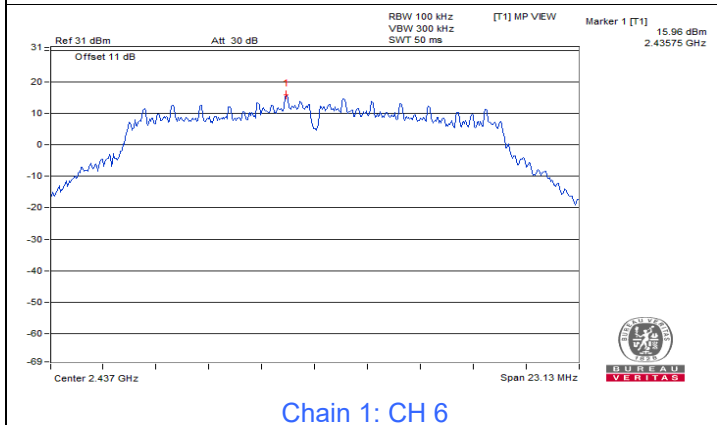
BUREAU
VERITAS



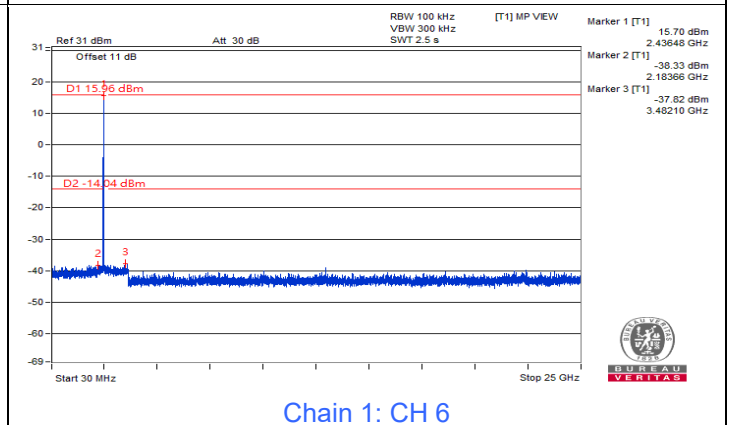
Chain 1: CH 1



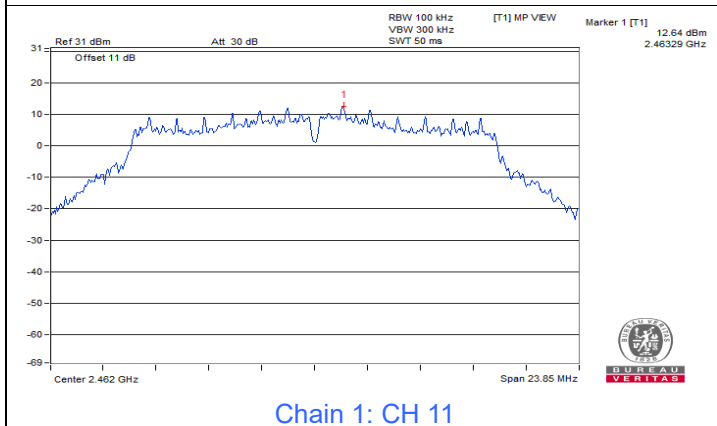
Chain 1: CH 1



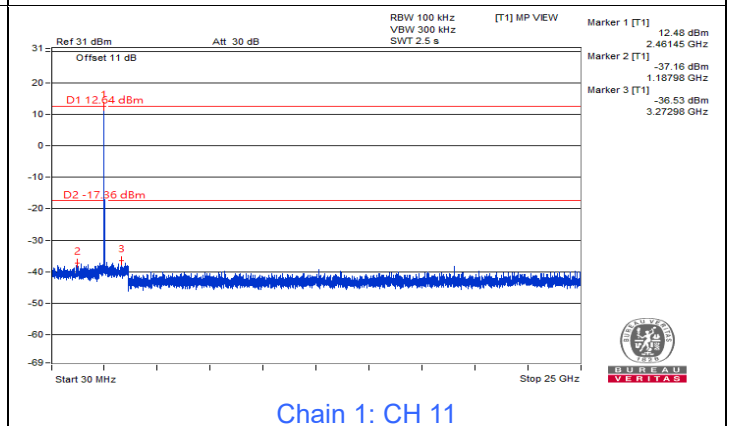
Chain 1: CH 6



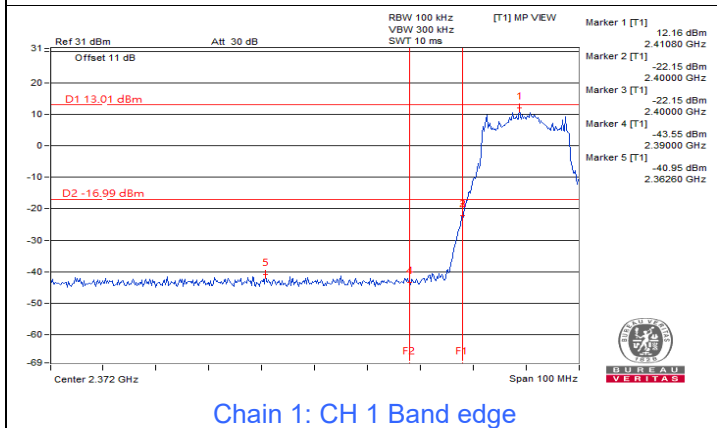
Chain 1: CH 6



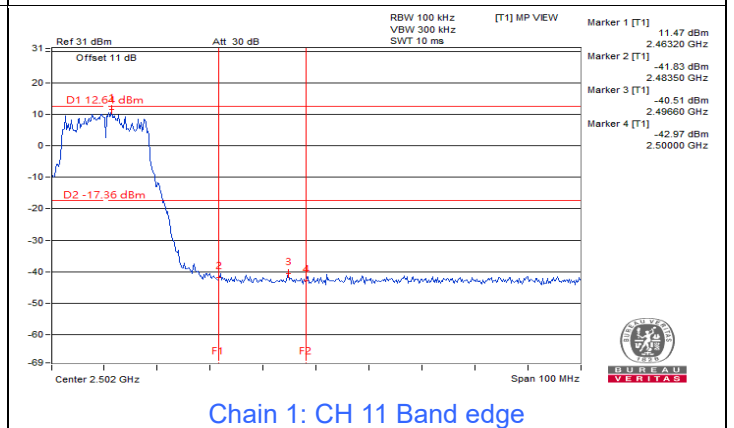
Chain 1: CH 11



Chain 1: CH 11



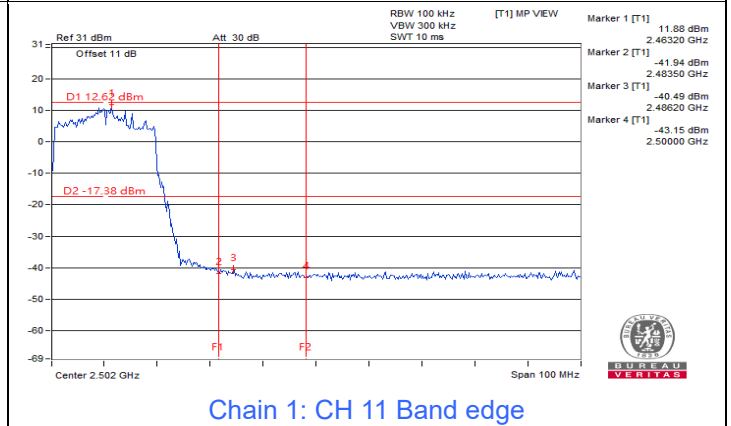
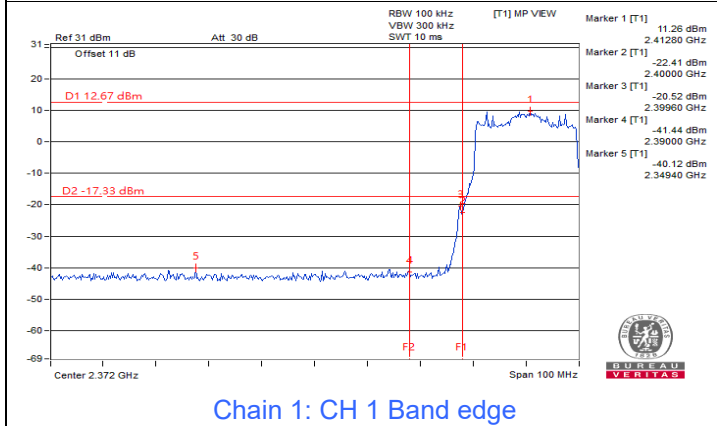
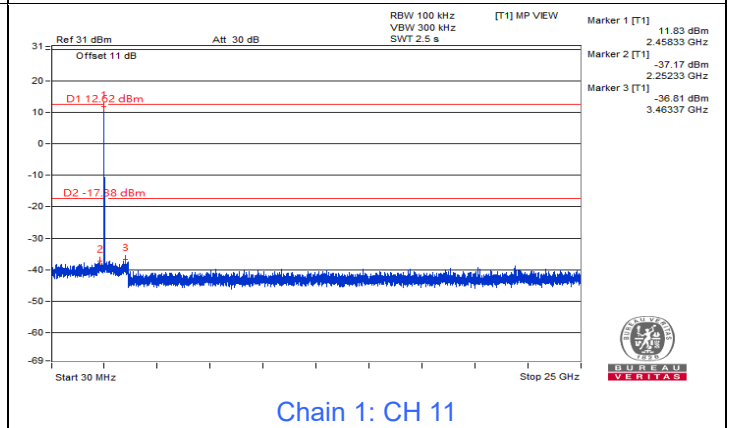
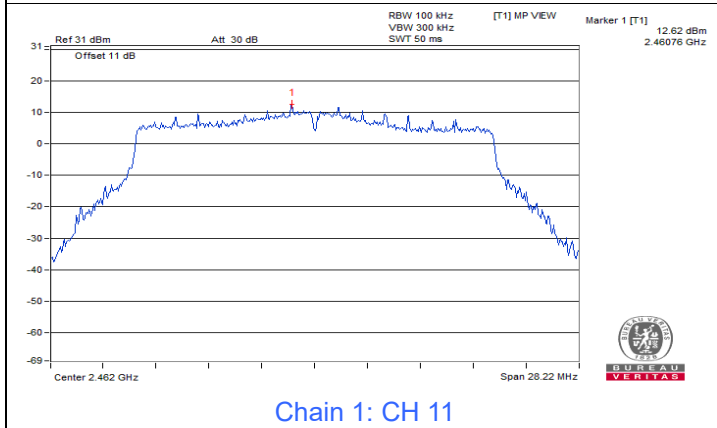
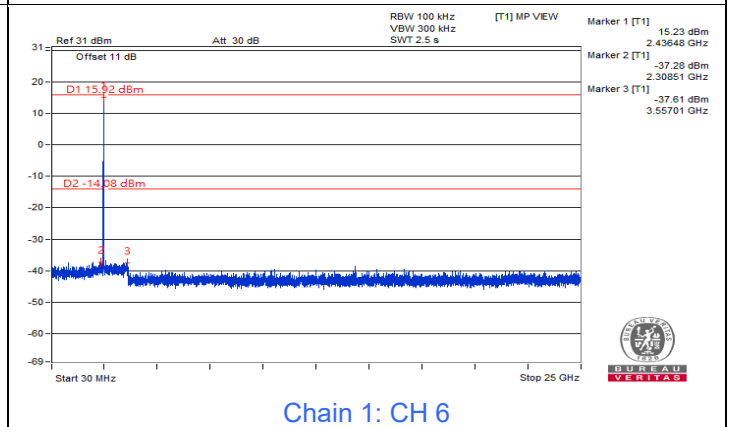
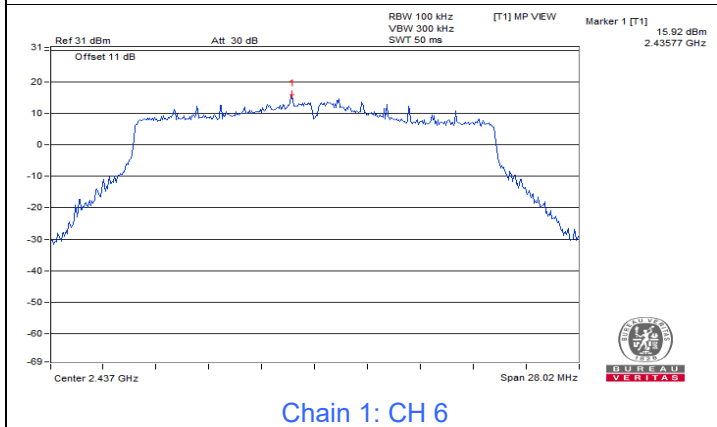
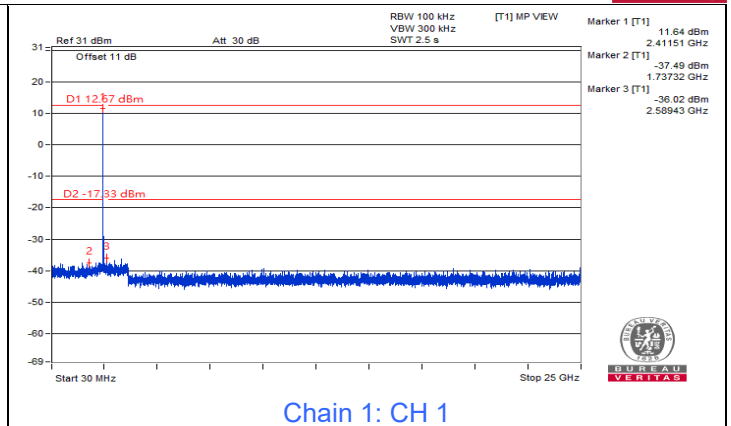
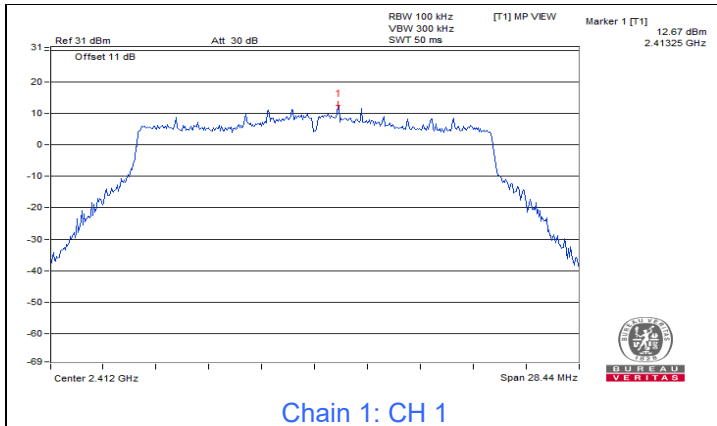
Chain 1: CH 1 Band edge



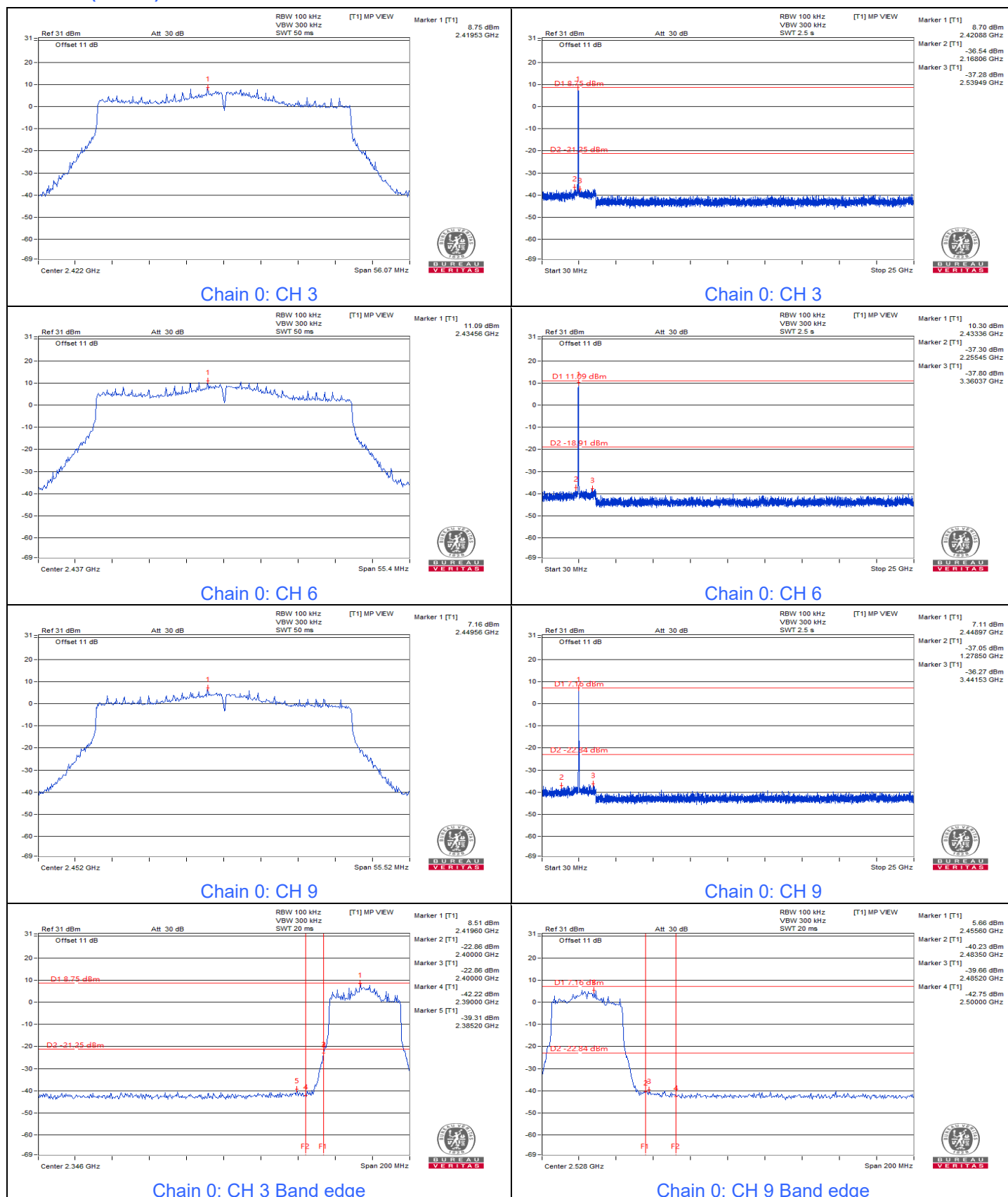
Chain 1: CH 11 Band edge

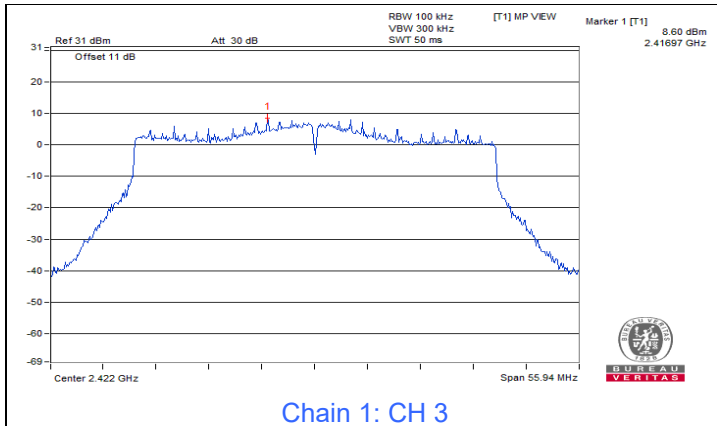
802.11be (EHT20)



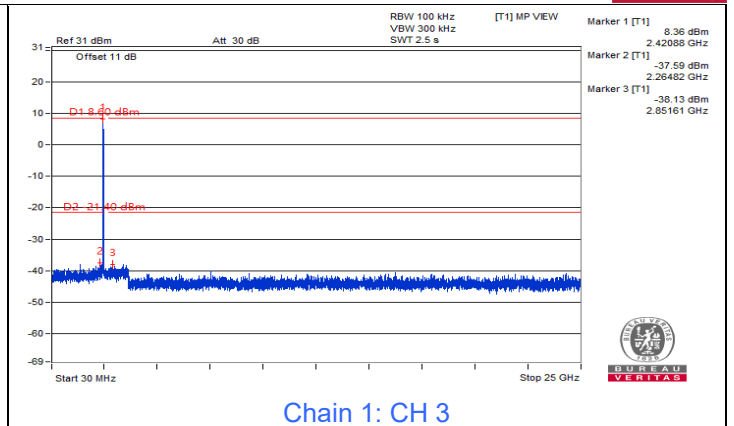


802.11be (EHT40)

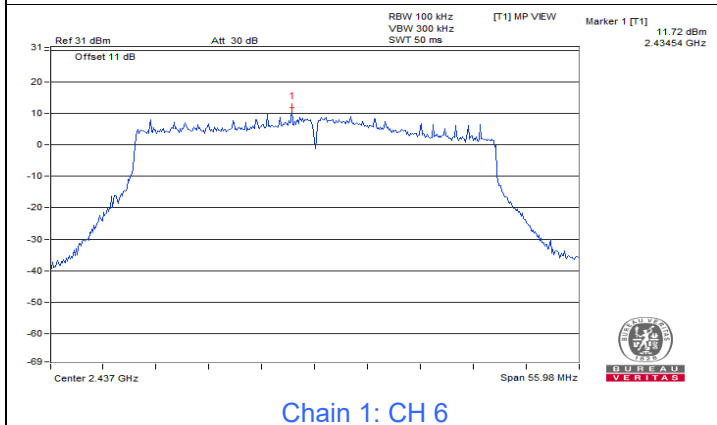




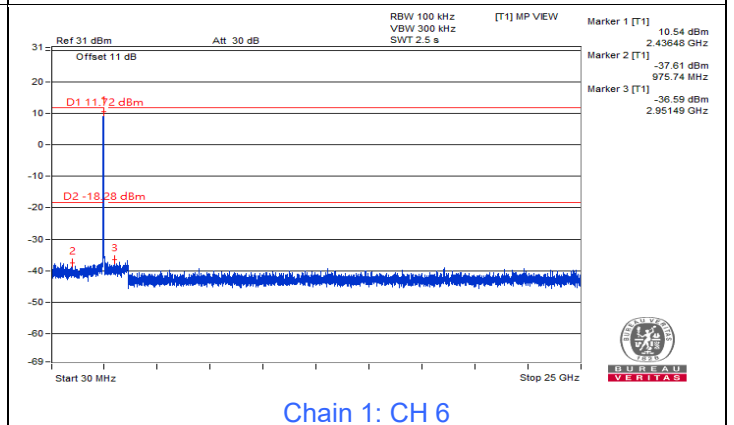
Chain 1: CH 3



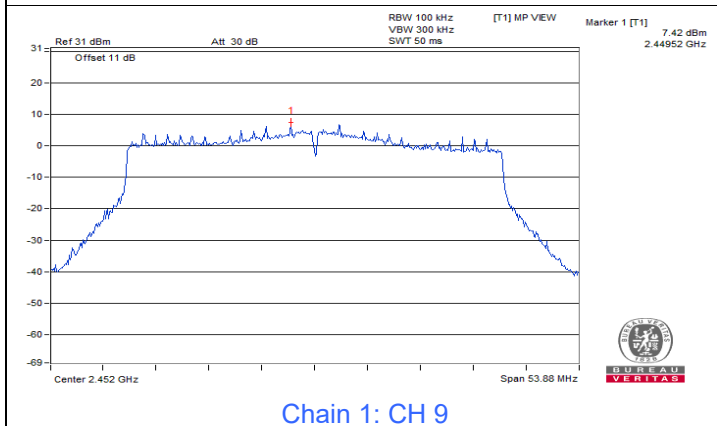
Chain 1: CH 3



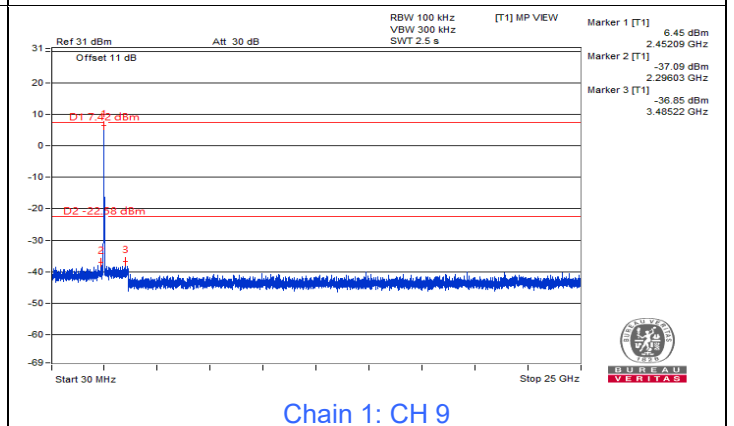
Chain 1: CH 6



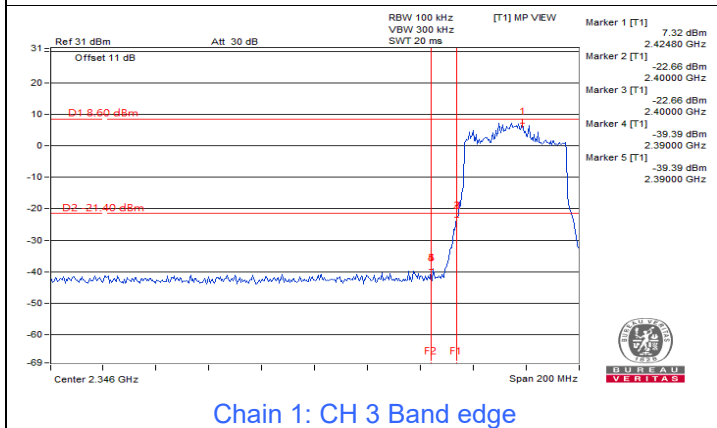
Chain 1: CH 6



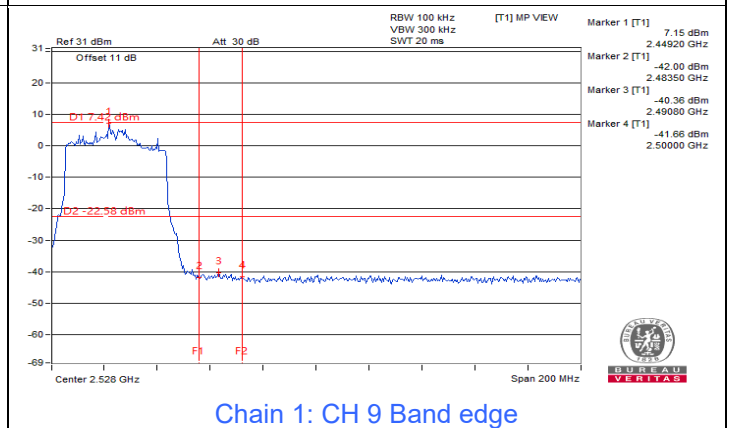
Chain 1: CH 9



Chain 1: CH 9



Chain 1: CH 3 Band edge



Chain 1: CH 9 Band edge

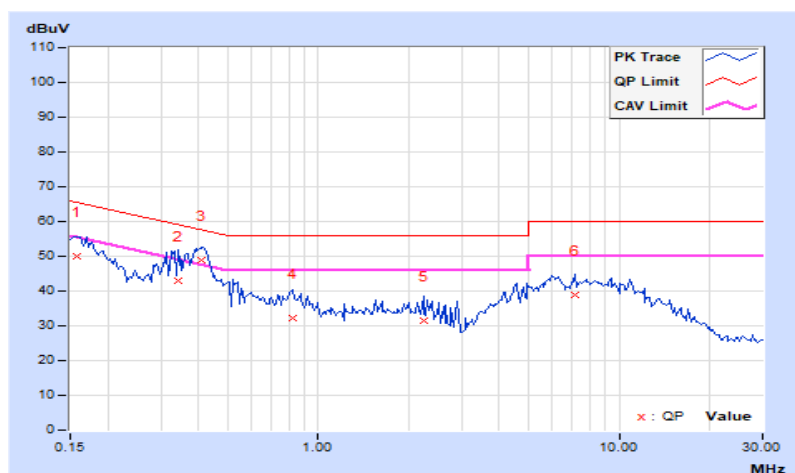
7.5 AC Power Conducted Emissions

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

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	0.15781	10.00	40.14	28.19	50.14	38.19	65.58	55.58	-15.44	-17.39
2	0.34141	10.03	33.07	25.41	43.10	35.44	59.17	49.17	-16.07	-13.73
3	0.41172	10.04	38.92	34.23	48.96	44.27	57.61	47.61	-8.65	-3.34
4	0.82188	10.09	22.30	15.63	32.39	25.72	56.00	46.00	-23.61	-20.28
5	2.23438	10.19	21.43	16.24	31.62	26.43	56.00	46.00	-24.38	-19.57
6	7.11328	10.62	28.18	22.00	38.80	32.62	60.00	50.00	-21.20	-17.38

Remarks:

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

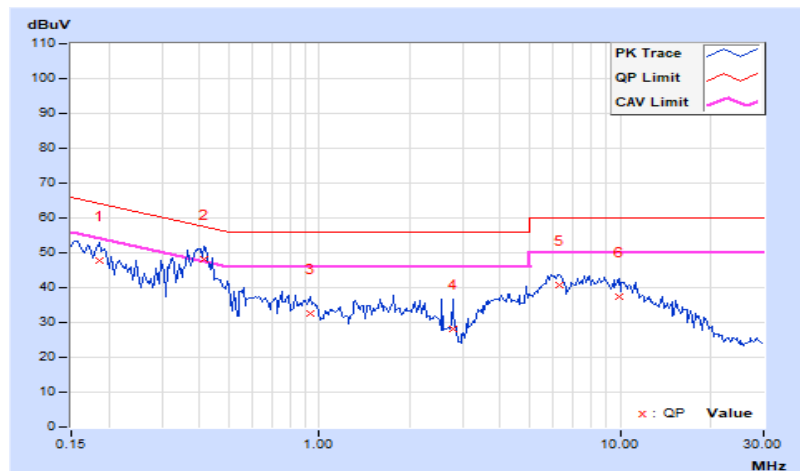


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

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	0.18516	9.98	37.78	27.75	47.76	37.73	64.25	54.25	-16.49	-16.52
2	0.41563	9.95	38.03	33.25	47.98	43.20	57.54	47.54	-9.56	-4.34
3	0.93125	10.01	22.63	16.36	32.64	26.37	56.00	46.00	-23.36	-19.63
4	2.78906	10.17	18.11	8.84	28.28	19.01	56.00	46.00	-27.72	-26.99
5	6.30859	10.41	30.50	24.45	40.91	34.86	60.00	50.00	-19.09	-15.14
6	9.91016	10.65	26.67	21.76	37.32	32.41	60.00	50.00	-22.68	-17.59

Remarks:

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



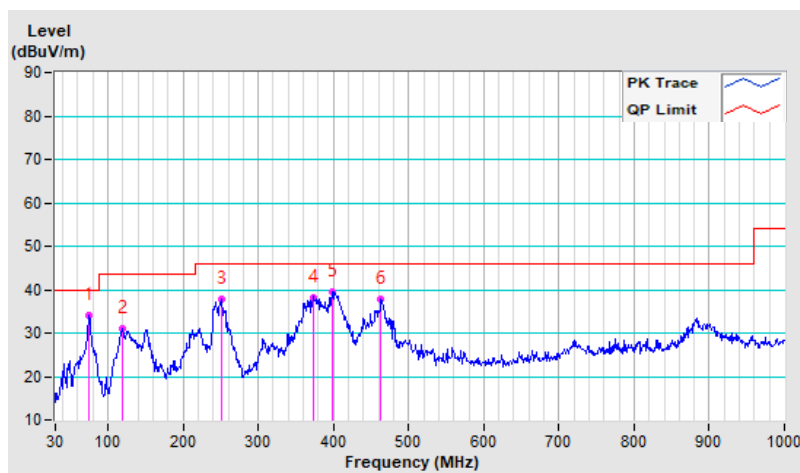
7.6 Unwanted Emissions below 1 GHz

RF Mode	802.11b	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	24.6 °C, 69.7% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	75.08	34.1 PK	40.0	-5.9	1.50 H	130	50.6	-16.5
2	119.70	31.0 PK	43.5	-12.5	1.50 H	285	46.3	-15.3
3	251.28	37.9 PK	46.0	-8.1	1.00 H	263	52.3	-14.4
4	372.53	38.1 PK	46.0	-7.9	2.00 H	230	48.8	-10.7
5	399.08	39.6 PK	46.0	-6.4	1.50 H	156	49.7	-10.1
6	463.37	37.9 PK	46.0	-8.1	2.00 H	306	46.5	-8.6

Remarks:

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

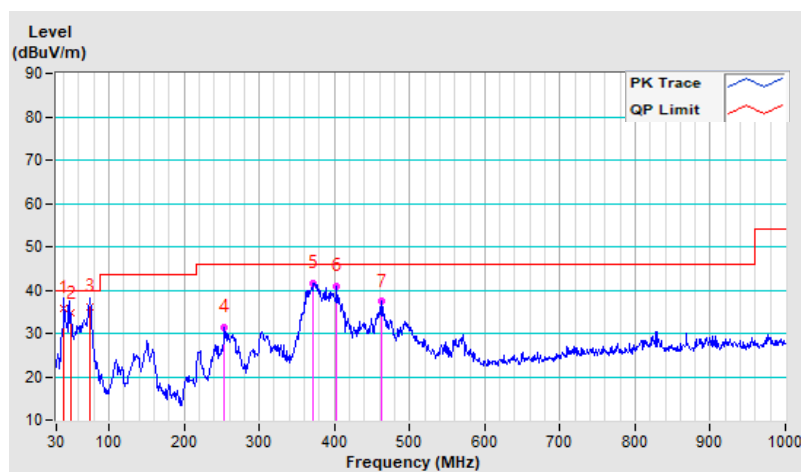


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.6 °C, 69.7% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	39.53	35.8 QP	40.0	-4.2	1.00 V	304	49.4	-13.6
2	48.65	34.6 QP	40.0	-5.4	1.00 V	143	47.5	-12.9
3	75.06	36.2 QP	40.0	-3.8	1.00 V	268	52.7	-16.5
4	253.61	31.3 PK	46.0	-14.7	1.50 V	1	45.6	-14.3
5	371.88	41.7 PK	46.0	-4.3	1.50 V	1	52.6	-10.9
6	402.33	40.9 PK	46.0	-5.1	1.00 V	143	50.9	-10.0
7	463.01	37.3 PK	46.0	-8.7	1.00 V	360	45.9	-8.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit 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 ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	68.6 PK	74.0	-5.4	2.14 H	304	70.0	-1.4
2	2390.00	53.2 AV	54.0	-0.8	2.14 H	304	54.6	-1.4
3	*2412.00	122.3 PK			2.14 H	304	123.7	-1.4
4	*2412.00	114.8 AV			2.14 H	304	116.2	-1.4
5	4824.00	44.9 PK	74.0	-29.1	2.86 H	340	42.3	2.6
6	4824.00	37.4 AV	54.0	-16.6	2.86 H	340	34.8	2.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.8 PK	74.0	-7.2	3.06 V	332	68.2	-1.4
2	2390.00	52.6 AV	54.0	-1.4	3.06 V	332	54.0	-1.4
3	*2412.00	119.6 PK			3.06 V	332	121.0	-1.4
4	*2412.00	117.2 AV			3.06 V	332	118.6	-1.4
5	4824.00	43.9 PK	74.0	-30.1	3.92 V	7	41.3	2.6
6	4824.00	35.7 AV	54.0	-18.3	3.92 V	7	33.1	2.6

Remarks:

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

RF Mode	802.11b	Channel	CH 2 : 2417 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.8 PK	74.0	-4.2	2.32 H	301	71.2	-1.4
2	2390.00	51.1 AV	54.0	-2.9	2.32 H	301	52.5	-1.4
3	*2417.00	122.3 PK			2.32 H	301	123.7	-1.4
4	*2417.00	114.3 AV			2.32 H	301	115.7	-1.4
5	4834.00	44.7 PK	74.0	-29.3	2.88 H	358	42.1	2.6
6	4834.00	37.2 AV	54.0	-16.8	2.88 H	358	34.6	2.6
7	7251.00	46.4 PK	74.0	-27.6	1.83 H	62	37.2	9.2
8	7251.00	35.9 AV	54.0	-18.1	1.83 H	62	26.7	9.2
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	3.08 V	326	66.5	-1.4
2	2390.00	51.7 AV	54.0	-2.3	3.08 V	326	53.1	-1.4
3	*2417.00	119.7 PK			3.08 V	326	121.1	-1.4
4	*2417.00	117.3 AV			3.08 V	326	118.7	-1.4
5	4834.00	44.4 PK	74.0	-29.6	3.93 V	14	41.8	2.6
6	4834.00	36.0 AV	54.0	-18.0	3.93 V	14	33.4	2.6
7	7251.00	47.1 PK	74.0	-26.9	1.85 V	349	37.9	9.2
8	7251.00	36.2 AV	54.0	-17.8	1.85 V	349	27.0	9.2

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 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.0 PK	74.0	-12.0	2.08 H	304	63.4	-1.4
2	2390.00	49.4 AV	54.0	-4.6	2.08 H	304	50.8	-1.4
3	*2437.00	122.9 PK			2.08 H	304	124.3	-1.4
4	*2437.00	114.4 AV			2.08 H	304	115.8	-1.4
5	2483.50	58.0 PK	74.0	-16.0	2.08 H	304	59.5	-1.5
6	2483.50	45.4 AV	54.0	-8.6	2.08 H	304	46.9	-1.5
7	4874.00	44.9 PK	74.0	-29.1	2.86 H	345	42.2	2.7
8	4874.00	37.6 AV	54.0	-16.4	2.86 H	345	34.9	2.7
9	7311.00	46.6 PK	74.0	-27.4	1.78 H	59	37.5	9.1
10	7311.00	35.9 AV	54.0	-18.1	1.78 H	59	26.8	9.1
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	62.6 PK	74.0	-11.4	3.11 V	330	64.0	-1.4
2	2390.00	48.1 AV	54.0	-5.9	3.11 V	330	49.5	-1.4
3	*2437.00	118.7 PK			3.11 V	330	120.1	-1.4
4	*2437.00	117.0 AV			3.11 V	330	118.4	-1.4
5	2483.50	58.6 PK	74.0	-15.4	3.11 V	330	60.1	-1.5
6	2483.50	45.3 AV	54.0	-8.7	3.11 V	330	46.8	-1.5
7	4874.00	43.8 PK	74.0	-30.2	3.95 V	12	41.1	2.7
8	4874.00	35.6 AV	54.0	-18.4	3.95 V	12	32.9	2.7
9	7311.00	47.2 PK	74.0	-26.8	1.83 V	348	38.1	9.1
10	7311.00	36.5 AV	54.0	-17.5	1.83 V	348	27.4	9.1

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	120.6 PK			2.05 H	305	121.9	-1.3
2	*2462.00	112.6 AV			2.05 H	305	113.9	-1.3
3	2483.50	67.9 PK	74.0	-6.1	2.05 H	305	69.4	-1.5
4	2483.50	52.7 AV	54.0	-1.3	2.05 H	305	54.2	-1.5
5	4924.00	45.6 PK	74.0	-28.4	2.89 H	350	42.7	2.9
6	4924.00	38.1 AV	54.0	-15.9	2.89 H	350	35.2	2.9
7	7386.00	46.4 PK	74.0	-27.6	1.82 H	58	37.0	9.4
8	7386.00	35.7 AV	54.0	-18.3	1.82 H	58	26.3	9.4
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	120.3 PK			3.62 V	360	121.6	-1.3
2	*2462.00	112.1 AV			3.62 V	360	113.4	-1.3
3	2483.50	61.9 PK	74.0	-12.1	3.62 V	360	63.4	-1.5
4	2483.50	47.8 AV	54.0	-6.2	3.62 V	360	49.3	-1.5
5	4924.00	44.0 PK	74.0	-30.0	3.98 V	6	41.1	2.9
6	4924.00	35.9 AV	54.0	-18.1	3.98 V	6	33.0	2.9
7	7386.00	47.8 PK	74.0	-26.2	1.80 V	349	38.4	9.4
8	7386.00	36.9 AV	54.0	-17.1	1.80 V	349	27.5	9.4

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	71.0 PK	74.0	-3.0	2.13 H	302	72.4	-1.4
2	2390.00	53.1 AV	54.0	-0.9	2.13 H	302	54.5	-1.4
3	*2412.00	123.0 PK			2.13 H	302	124.4	-1.4
4	*2412.00	113.8 AV			2.13 H	302	115.2	-1.4
5	4824.00	45.0 PK	74.0	-29.0	2.82 H	334	42.4	2.6
6	4824.00	38.0 AV	54.0	-16.0	2.82 H	334	35.4	2.6
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	64.9 PK	74.0	-9.1	1.32 V	348	66.3	-1.4
2	2390.00	50.4 AV	54.0	-3.6	1.32 V	348	51.8	-1.4
3	*2412.00	119.8 PK			1.32 V	348	121.2	-1.4
4	*2412.00	110.2 AV			1.32 V	348	111.6	-1.4
5	4824.00	43.7 PK	74.0	-30.3	3.92 V	2	41.1	2.6
6	4824.00	35.8 AV	54.0	-18.2	3.92 V	2	33.2	2.6

Remarks:

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

RF Mode	802.11g	Channel	CH 2 : 2417 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	68.9 PK	74.0	-5.1	2.12 H	299	70.3	-1.4
2	2390.00	53.3 AV	54.0	-0.7	2.12 H	299	54.7	-1.4
3	*2417.00	122.8 PK			2.12 H	299	124.2	-1.4
4	*2417.00	113.3 AV			2.12 H	299	114.7	-1.4
5	4834.00	44.9 PK	74.0	-29.1	2.89 H	330	42.3	2.6
6	4834.00	37.7 AV	54.0	-16.3	2.89 H	330	35.1	2.6
7	7251.00	47.1 PK	74.0	-26.9	1.73 H	66	37.9	9.2
8	7251.00	36.2 AV	54.0	-17.8	1.73 H	66	27.0	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.5 PK	74.0	-7.5	1.31 V	350	67.9	-1.4
2	2390.00	49.7 AV	54.0	-4.3	1.31 V	350	51.1	-1.4
3	*2417.00	120.8 PK			1.31 V	350	122.2	-1.4
4	*2417.00	111.8 AV			1.31 V	350	113.2	-1.4
5	4834.00	43.5 PK	74.0	-30.5	3.91 V	11	40.9	2.6
6	4834.00	35.5 AV	54.0	-18.5	3.91 V	11	32.9	2.6
7	7251.00	47.1 PK	74.0	-26.9	1.81 V	338	37.9	9.2
8	7251.00	36.4 AV	54.0	-17.6	1.81 V	338	27.2	9.2

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 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.6 PK	74.0	-8.4	2.06 H	302	67.0	-1.4
2	2390.00	50.8 AV	54.0	-3.2	2.06 H	302	52.2	-1.4
3	*2437.00	124.1 PK			2.06 H	302	125.5	-1.4
4	*2437.00	114.3 AV			2.06 H	302	115.7	-1.4
5	2483.50	63.8 PK	74.0	-10.2	2.06 H	302	65.3	-1.5
6	2483.50	48.6 AV	54.0	-5.4	2.06 H	302	50.1	-1.5
7	4874.00	45.0 PK	74.0	-29.0	2.90 H	356	42.3	2.7
8	4874.00	37.6 AV	54.0	-16.4	2.90 H	356	34.9	2.7
9	7311.00	46.0 PK	74.0	-28.0	1.80 H	73	36.9	9.1
10	7311.00	35.5 AV	54.0	-18.5	1.80 H	73	26.4	9.1
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	72.6 PK	74.0	-1.4	1.29 V	335	74.0	-1.4
2	2390.00	51.1 AV	54.0	-2.9	1.29 V	335	52.5	-1.4
3	*2437.00	123.6 PK			1.29 V	335	125.0	-1.4
4	*2437.00	114.1 AV			1.29 V	335	115.5	-1.4
5	2483.50	65.3 PK	74.0	-8.7	1.29 V	335	66.8	-1.5
6	2483.50	49.8 AV	54.0	-4.2	1.29 V	335	51.3	-1.5
7	4874.00	43.4 PK	74.0	-30.6	3.96 V	1	40.7	2.7
8	4874.00	35.3 AV	54.0	-18.7	3.96 V	1	32.6	2.7
9	7311.00	47.2 PK	74.0	-26.8	1.83 V	336	38.1	9.1
10	7311.00	36.7 AV	54.0	-17.3	1.83 V	336	27.6	9.1

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	802.11g	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	70.2 PK	74.0	-3.8	2.07 H	306	71.6	-1.4
2	2390.00	50.6 AV	54.0	-3.4	2.07 H	306	52.0	-1.4
3	*2457.00	123.9 PK			2.07 H	306	125.2	-1.3
4	*2457.00	114.8 AV			2.07 H	306	116.1	-1.3
5	2483.50	63.4 PK	74.0	-10.6	2.07 H	306	64.9	-1.5
6	2483.50	53.5 AV	54.0	-0.5	2.07 H	306	55.0	-1.5
7	4914.00	44.6 PK	74.0	-29.4	2.91 H	343	41.9	2.7
8	4914.00	37.2 AV	54.0	-16.8	2.91 H	343	34.5	2.7
9	7371.00	46.5 PK	74.0	-27.5	1.80 H	74	37.2	9.3
10	7371.00	35.9 AV	54.0	-18.1	1.80 H	74	26.6	9.3
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	64.5 PK	74.0	-9.5	1.28 V	351	65.9	-1.4
2	2390.00	52.1 AV	54.0	-1.9	1.28 V	351	53.5	-1.4
3	*2457.00	121.9 PK			1.28 V	351	123.2	-1.3
4	*2457.00	112.5 AV			1.28 V	351	113.8	-1.3
5	2483.50	69.6 PK	74.0	-4.4	1.28 V	351	71.1	-1.5
6	2483.50	50.4 AV	54.0	-3.6	1.28 V	351	51.9	-1.5
7	4914.00	44.4 PK	74.0	-29.6	3.93 V	24	41.7	2.7
8	4914.00	36.0 AV	54.0	-18.0	3.93 V	24	33.3	2.7
9	7371.00	46.9 PK	74.0	-27.1	1.79 V	343	37.6	9.3
10	7371.00	36.3 AV	54.0	-17.7	1.79 V	343	27.0	9.3

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 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	68.3 PK	74.0	-5.7	2.04 H	304	69.7	-1.4
2	2390.00	50.0 AV	54.0	-4.0	2.04 H	304	51.4	-1.4
3	*2462.00	122.0 PK			2.04 H	304	123.3	-1.3
4	*2462.00	111.7 AV			2.04 H	304	113.0	-1.3
5	2483.50	63.3 PK	74.0	-10.7	2.04 H	304	64.8	-1.5
6	2483.50	52.8 AV	54.0	-1.2	2.04 H	304	54.3	-1.5
7	4924.00	45.0 PK	74.0	-29.0	2.80 H	345	42.1	2.9
8	4924.00	37.6 AV	54.0	-16.4	2.80 H	345	34.7	2.9
9	7386.00	46.9 PK	74.0	-27.1	1.77 H	47	37.5	9.4
10	7386.00	36.0 AV	54.0	-18.0	1.77 H	47	26.6	9.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.5 PK	74.0	-12.5	1.30 V	359	62.9	-1.4
2	2390.00	49.8 AV	54.0	-4.2	1.30 V	359	51.2	-1.4
3	*2462.00	117.6 PK			1.30 V	359	118.9	-1.3
4	*2462.00	108.2 AV			1.30 V	359	109.5	-1.3
5	2483.50	59.6 PK	74.0	-14.4	1.30 V	359	61.1	-1.5
6	2483.50	48.7 AV	54.0	-5.3	1.30 V	359	50.2	-1.5
7	4924.00	44.0 PK	74.0	-30.0	3.98 V	17	41.1	2.9
8	4924.00	35.7 AV	54.0	-18.3	3.98 V	17	32.8	2.9
9	7386.00	47.3 PK	74.0	-26.7	1.82 V	344	37.9	9.4
10	7386.00	36.4 AV	54.0	-17.6	1.82 V	344	27.0	9.4

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	67.8 PK	74.0	-6.2	2.11 H	301	69.2	-1.4
2	2390.00	53.9 AV	54.0	-0.1	2.11 H	301	55.3	-1.4
3	*2412.00	123.8 PK			2.11 H	301	125.2	-1.4
4	*2412.00	112.7 AV			2.11 H	301	114.1	-1.4
5	4824.00	45.3 PK	74.0	-28.7	2.84 H	345	42.7	2.6
6	4824.00	37.9 AV	54.0	-16.1	2.84 H	345	35.3	2.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.0 PK	74.0	-9.0	1.15 V	340	66.4	-1.4
2	2390.00	50.6 AV	54.0	-3.4	1.15 V	340	52.0	-1.4
3	*2412.00	121.3 PK			1.15 V	340	122.7	-1.4
4	*2412.00	109.8 AV			1.15 V	340	111.2	-1.4
5	4824.00	44.1 PK	74.0	-29.9	3.92 V	37	41.5	2.6
6	4824.00	35.8 AV	54.0	-18.2	3.92 V	37	33.2	2.6

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 2 : 2417 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.4 PK	74.0	-4.6	2.13 H	304	70.8	-1.4
2	2390.00	53.9 AV	54.0	-0.1	2.13 H	304	55.3	-1.4
3	*2417.00	124.8 PK			2.13 H	304	126.2	-1.4
4	*2417.00	113.0 AV			2.13 H	304	114.4	-1.4
5	4834.00	45.3 PK	74.0	-28.7	2.92 H	339	42.7	2.6
6	4834.00	38.1 AV	54.0	-15.9	2.92 H	339	35.5	2.6
7	7251.00	46.2 PK	74.0	-27.8	1.74 H	49	37.0	9.2
8	7251.00	35.5 AV	54.0	-18.5	1.74 H	49	26.3	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.1 PK	74.0	-7.9	1.00 V	338	67.5	-1.4
2	2390.00	48.6 AV	54.0	-5.4	1.00 V	338	50.0	-1.4
3	*2417.00	122.1 PK			1.00 V	338	123.5	-1.4
4	*2417.00	110.6 AV			1.00 V	338	112.0	-1.4
5	4834.00	44.2 PK	74.0	-29.8	3.94 V	9	41.6	2.6
6	4834.00	35.6 AV	54.0	-18.4	3.94 V	9	33.0	2.6
7	7251.00	47.5 PK	74.0	-26.5	1.77 V	349	38.3	9.2
8	7251.00	36.8 AV	54.0	-17.2	1.77 V	349	27.6	9.2

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 6 : 2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	69.9 PK	74.0	-4.1	2.35 H	302	71.3	-1.4
2	2390.00	51.7 AV	54.0	-2.3	2.35 H	302	53.1	-1.4
3	*2437.00	124.0 PK			2.35 H	302	125.4	-1.4
4	*2437.00	112.3 AV			2.35 H	302	113.7	-1.4
5	2483.50	65.8 PK	74.0	-8.2	2.35 H	302	67.3	-1.5
6	2483.50	48.7 AV	54.0	-5.3	2.35 H	302	50.2	-1.5
7	4874.00	44.7 PK	74.0	-29.3	2.83 H	341	42.0	2.7
8	4874.00	37.2 AV	54.0	-16.8	2.83 H	341	34.5	2.7
9	7311.00	46.6 PK	74.0	-27.4	1.73 H	69	37.5	9.1
10	7311.00	36.2 AV	54.0	-17.8	1.73 H	69	27.1	9.1
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	70.6 PK	74.0	-3.4	1.94 V	337	72.0	-1.4
2	2390.00	53.6 AV	54.0	-0.4	1.94 V	337	55.0	-1.4
3	*2437.00	124.4 PK			1.94 V	337	125.8	-1.4
4	*2437.00	113.7 AV			1.94 V	337	115.1	-1.4
5	2483.50	69.1 PK	74.0	-4.9	1.94 V	337	70.6	-1.5
6	2483.50	51.7 AV	54.0	-2.3	1.94 V	337	53.2	-1.5
7	4874.00	43.6 PK	74.0	-30.4	4.00 V	25	40.9	2.7
8	4874.00	35.3 AV	54.0	-18.7	4.00 V	25	32.6	2.7
9	7311.00	47.4 PK	74.0	-26.6	1.78 V	360	38.3	9.1
10	7311.00	36.6 AV	54.0	-17.4	1.78 V	360	27.5	9.1

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 (EHT20)	Channel	CH 10 : 2457 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	124.8 PK			2.03 H	302	126.1	-1.3
2	*2457.00	113.7 AV			2.03 H	302	115.0	-1.3
3	2483.50	70.9 PK	74.0	-3.1	2.03 H	302	72.4	-1.5
4	2483.50	53.3 AV	54.0	-0.7	2.03 H	302	54.8	-1.5
5	4914.00	45.3 PK	74.0	-28.7	2.92 H	335	42.6	2.7
6	4914.00	37.7 AV	54.0	-16.3	2.92 H	335	35.0	2.7
7	7371.00	47.1 PK	74.0	-26.9	1.74 H	59	37.8	9.3
8	7371.00	36.2 AV	54.0	-17.8	1.74 H	59	26.9	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	122.6 PK			1.00 V	329	123.9	-1.3
2	*2457.00	111.4 AV			1.00 V	329	112.7	-1.3
3	2483.50	65.1 PK	74.0	-8.9	1.00 V	329	66.6	-1.5
4	2483.50	49.0 AV	54.0	-5.0	1.00 V	329	50.5	-1.5
5	4914.00	43.7 PK	74.0	-30.3	4.00 V	17	41.0	2.7
6	4914.00	35.5 AV	54.0	-18.5	4.00 V	17	32.8	2.7
7	7371.00	47.0 PK	74.0	-27.0	1.85 V	337	37.7	9.3
8	7371.00	36.2 AV	54.0	-17.8	1.85 V	337	26.9	9.3

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 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	122.7 PK			1.03 H	300	124.0	-1.3
2	*2462.00	110.8 AV			1.03 H	300	112.1	-1.3
3	2483.50	67.2 PK	74.0	-6.8	1.03 H	300	68.7	-1.5
4	2483.50	52.6 AV	54.0	-1.4	1.03 H	300	54.1	-1.5
5	4924.00	44.9 PK	74.0	-29.1	2.86 H	349	42.0	2.9
6	4924.00	37.8 AV	54.0	-16.2	2.86 H	349	34.9	2.9
7	7386.00	46.5 PK	74.0	-27.5	1.77 H	43	37.1	9.4
8	7386.00	36.0 AV	54.0	-18.0	1.77 H	43	26.6	9.4
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	121.2 PK			1.90 V	336	122.5	-1.3
2	*2462.00	109.6 AV			1.90 V	336	110.9	-1.3
3	2483.50	68.5 PK	74.0	-5.5	1.90 V	336	70.0	-1.5
4	2483.50	53.4 AV	54.0	-0.6	1.90 V	336	54.9	-1.5
5	4924.00	44.0 PK	74.0	-30.0	3.92 V	30	41.1	2.9
6	4924.00	35.6 AV	54.0	-18.4	3.92 V	30	32.7	2.9
7	7386.00	47.7 PK	74.0	-26.3	1.85 V	341	38.3	9.4
8	7386.00	36.6 AV	54.0	-17.4	1.85 V	341	27.2	9.4

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	72.6 PK	74.0	-1.4	2.10 H	304	74.0	-1.4
2	2390.00	53.7 AV	54.0	-0.3	2.10 H	304	55.1	-1.4
3	*2422.00	120.5 PK			2.10 H	304	121.9	-1.4
4	*2422.00	109.1 AV			2.10 H	304	110.5	-1.4
5	4844.00	44.5 PK	74.0	-29.5	2.91 H	334	41.9	2.6
6	4844.00	37.3 AV	54.0	-16.7	2.91 H	334	34.7	2.6
7	7266.00	46.5 PK	74.0	-27.5	1.83 H	67	37.4	9.1
8	7266.00	36.1 AV	54.0	-17.9	1.83 H	67	27.0	9.1
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	64.4 PK	74.0	-9.6	1.58 V	338	65.8	-1.4
2	2390.00	48.7 AV	54.0	-5.3	1.58 V	338	50.1	-1.4
3	*2422.00	116.0 PK			1.58 V	338	117.4	-1.4
4	*2422.00	103.1 AV			1.58 V	338	104.5	-1.4
5	4844.00	43.6 PK	74.0	-30.4	4.00 V	30	41.0	2.6
6	4844.00	35.4 AV	54.0	-18.6	4.00 V	30	32.8	2.6
7	7266.00	47.7 PK	74.0	-26.3	1.83 V	330	38.6	9.1
8	7266.00	36.8 AV	54.0	-17.2	1.83 V	330	27.7	9.1

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.4 PK	74.0	-7.6	2.07 H	301	67.8	-1.4
2	2390.00	53.1 AV	54.0	-0.9	2.07 H	301	54.5	-1.4
3	*2437.00	119.6 PK			2.07 H	301	121.0	-1.4
4	*2437.00	107.8 AV			2.07 H	301	109.2	-1.4
5	2483.50	64.9 PK	74.0	-9.1	2.07 H	301	66.4	-1.5
6	2483.50	51.0 AV	54.0	-3.0	2.07 H	301	52.5	-1.5
7	4874.00	44.7 PK	74.0	-29.3	2.88 H	337	42.0	2.7
8	4874.00	37.5 AV	54.0	-16.5	2.88 H	337	34.8	2.7
9	7311.00	47.0 PK	74.0	-27.0	1.79 H	63	37.9	9.1
10	7311.00	36.4 AV	54.0	-17.6	1.79 H	63	27.3	9.1
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	68.8 PK	74.0	-5.2	1.02 V	334	70.2	-1.4
2	2390.00	53.5 AV	54.0	-0.5	1.02 V	334	54.9	-1.4
3	*2437.00	121.3 PK			1.02 V	334	122.7	-1.4
4	*2437.00	109.5 AV			1.02 V	334	110.9	-1.4
5	2483.50	66.5 PK	74.0	-7.5	1.02 V	334	68.0	-1.5
6	2483.50	50.8 AV	54.0	-3.2	1.02 V	334	52.3	-1.5
7	4874.00	44.0 PK	74.0	-30.0	4.00 V	11	41.3	2.7
8	4874.00	35.5 AV	54.0	-18.5	4.00 V	11	32.8	2.7
9	7311.00	47.0 PK	74.0	-27.0	1.86 V	340	37.9	9.1
10	7311.00	36.3 AV	54.0	-17.7	1.86 V	340	27.2	9.1

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 8 : 2447 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2447.00	119.1 PK			2.08 H	303	120.5	-1.4
2	*2447.00	106.6 AV			2.08 H	303	108.0	-1.4
3	2483.50	68.5 PK	74.0	-5.5	2.08 H	303	70.0	-1.5
4	2483.50	52.4 AV	54.0	-1.6	2.08 H	303	53.9	-1.5
5	4894.00	45.1 PK	74.0	-28.9	2.90 H	354	42.4	2.7
6	4894.00	37.6 AV	54.0	-16.4	2.90 H	354	34.9	2.7
7	7341.00	47.0 PK	74.0	-27.0	1.74 H	73	37.9	9.1
8	7341.00	36.0 AV	54.0	-18.0	1.74 H	73	26.9	9.1
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	*2447.00	120.1 PK			1.10 V	331	121.5	-1.4
2	*2447.00	107.1 AV			1.10 V	331	108.5	-1.4
3	2483.50	67.5 PK	74.0	-6.5	1.10 V	331	69.0	-1.5
4	2483.50	53.2 AV	54.0	-0.8	1.10 V	331	54.7	-1.5
5	4894.00	43.4 PK	74.0	-30.6	4.00 V	20	40.7	2.7
6	4894.00	35.2 AV	54.0	-18.8	4.00 V	20	32.5	2.7
7	7341.00	47.6 PK	74.0	-26.4	1.82 V	348	38.5	9.1
8	7341.00	36.8 AV	54.0	-17.2	1.82 V	348	27.7	9.1

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 9 : 2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	116.8 PK			2.06 H	304	118.1	-1.3
2	*2452.00	104.3 AV			2.06 H	304	105.6	-1.3
3	2483.50	65.7 PK	74.0	-8.3	2.06 H	304	67.2	-1.5
4	2483.50	53.1 AV	54.0	-0.9	2.06 H	304	54.6	-1.5
5	4904.00	44.5 PK	74.0	-29.5	2.80 H	332	41.8	2.7
6	4904.00	37.2 AV	54.0	-16.8	2.80 H	332	34.5	2.7
7	7356.00	46.5 PK	74.0	-27.5	1.84 H	61	37.3	9.2
8	7356.00	36.0 AV	54.0	-18.0	1.84 H	61	26.8	9.2
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	115.6 PK			1.11 V	333	116.9	-1.3
2	*2452.00	103.7 AV			1.11 V	333	105.0	-1.3
3	2483.50	61.6 PK	74.0	-12.4	1.11 V	333	63.1	-1.5
4	2483.50	46.9 AV	54.0	-7.1	1.11 V	333	48.4	-1.5
5	4904.00	44.0 PK	74.0	-30.0	3.96 V	17	41.3	2.7
6	4904.00	35.6 AV	54.0	-18.4	3.96 V	17	32.9	2.7
7	7356.00	47.2 PK	74.0	-26.8	1.88 V	347	38.0	9.2
8	7356.00	36.2 AV	54.0	-17.8	1.88 V	347	27.0	9.2

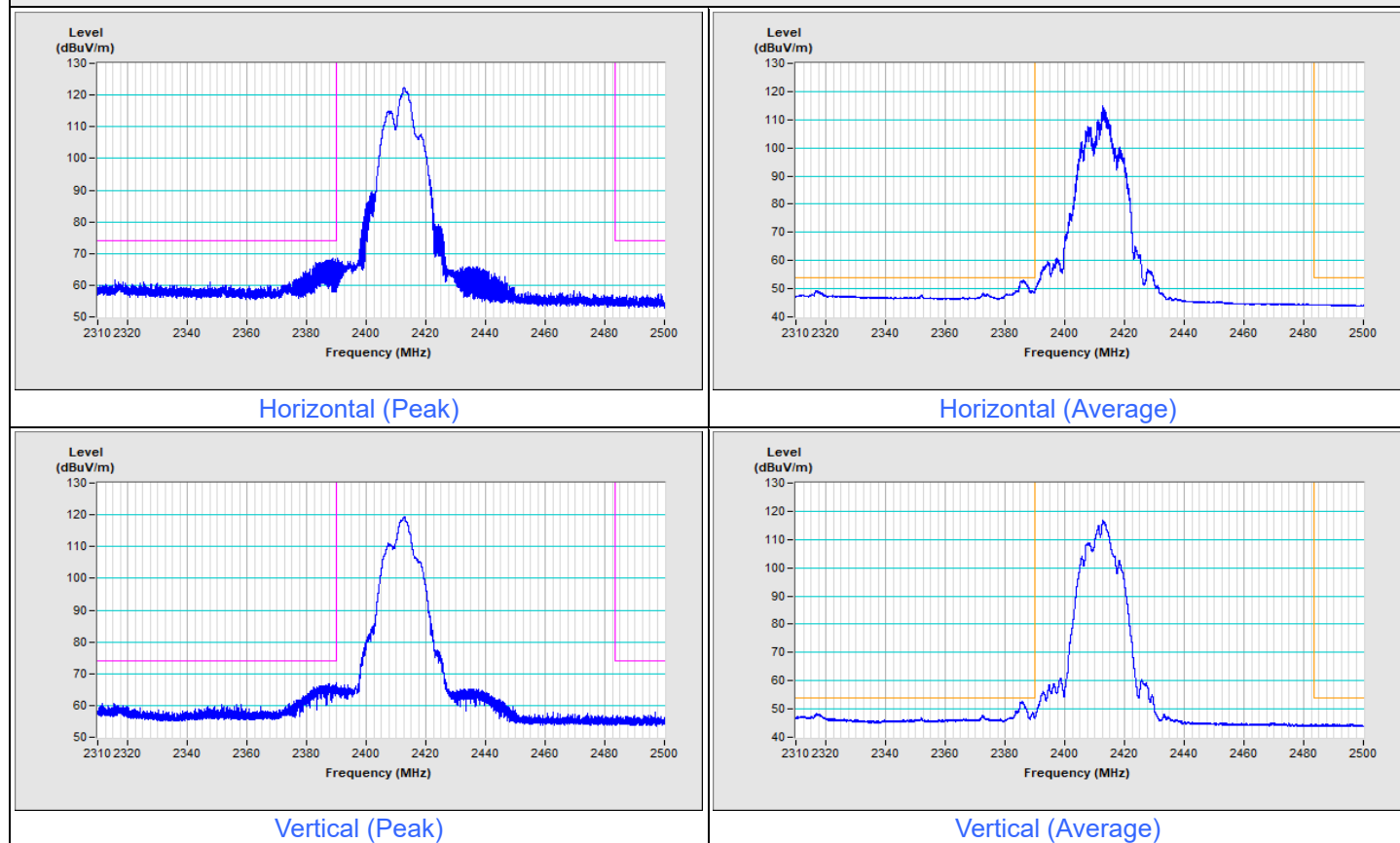
Remarks:

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.

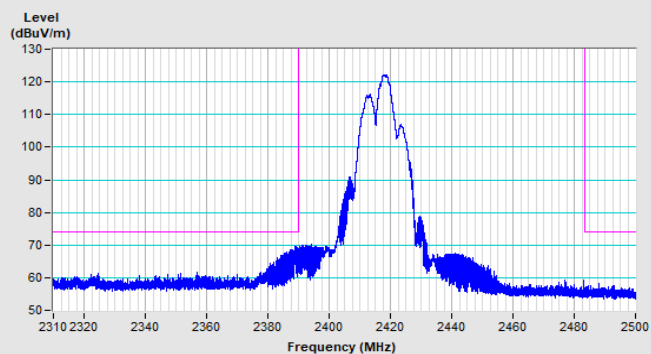
Plot of Band Edge

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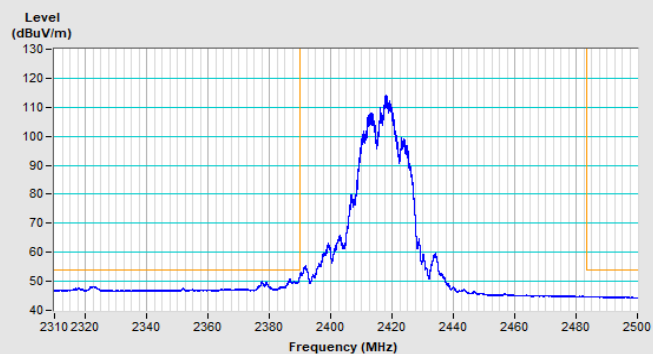
802.11b Channel 1



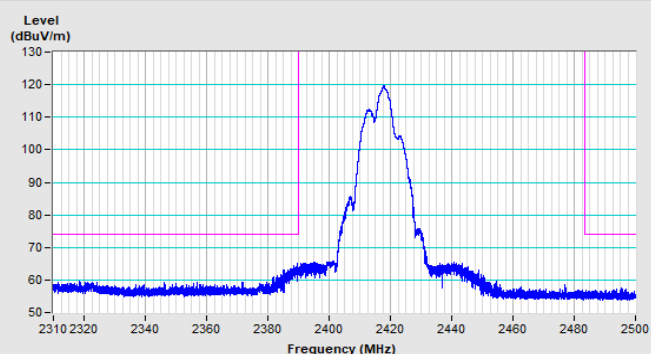
802.11b Channel 2



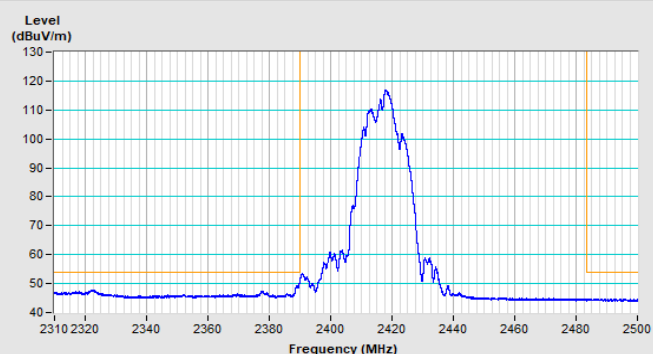
Horizontal (Peak)



Horizontal (Average)

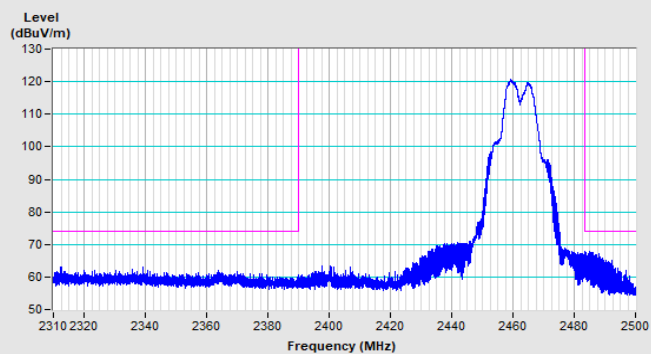


Vertical (Peak)

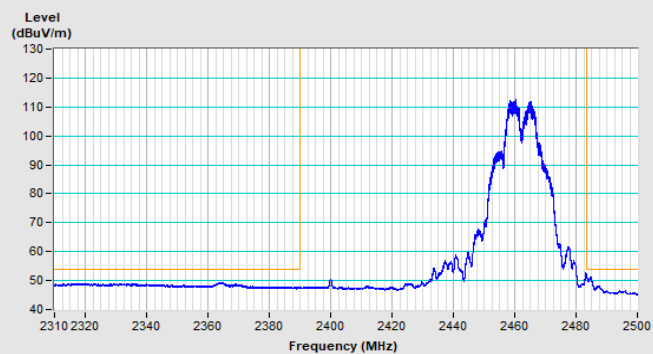


Vertical (Average)

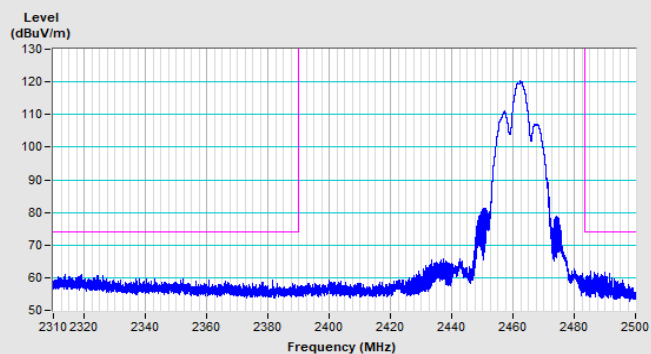
802.11b Channel 11



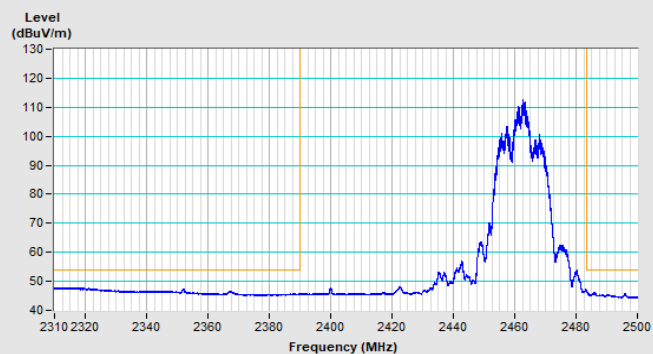
Horizontal (Peak)



Horizontal (Average)



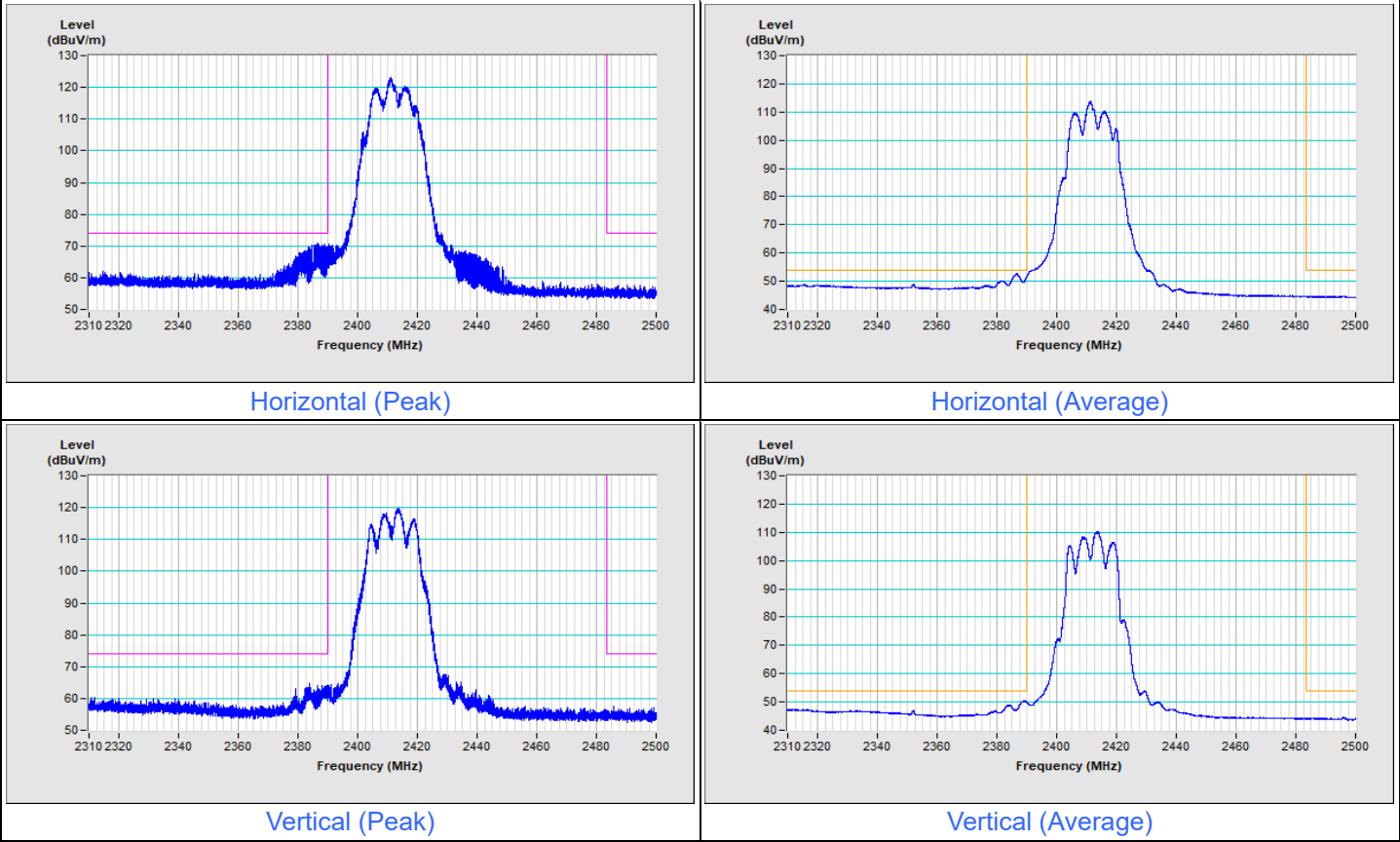
Vertical (Peak)



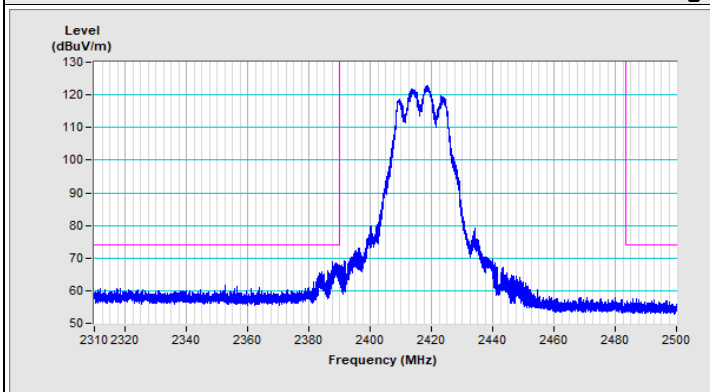
Vertical (Average)

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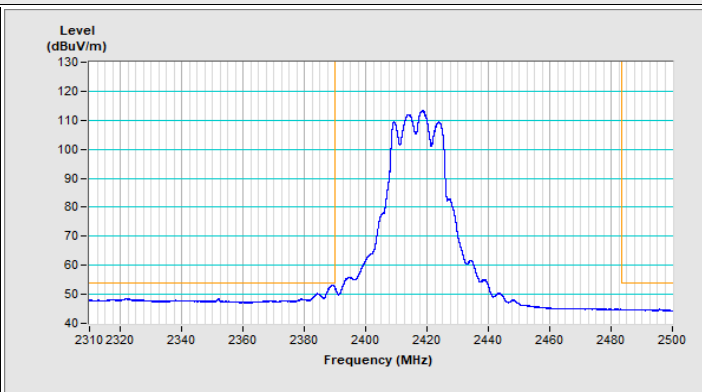
802.11g Channel 1



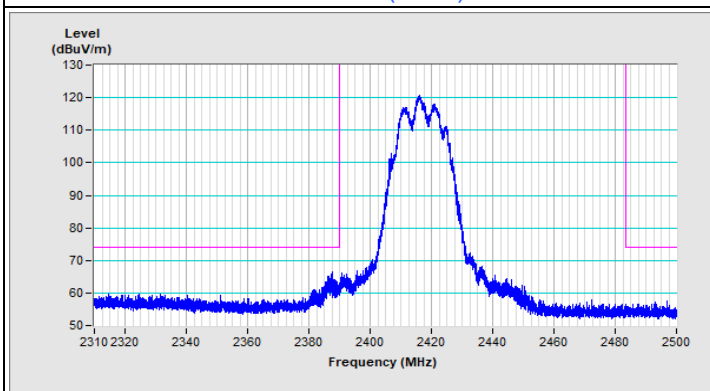
802.11g Channel 2



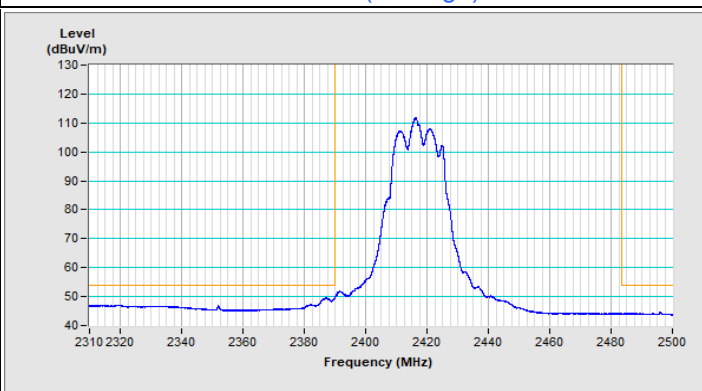
Horizontal (Peak)



Horizontal (Average)

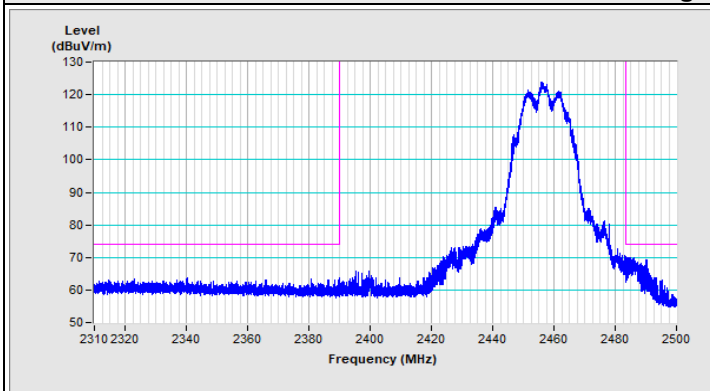


Vertical (Peak)

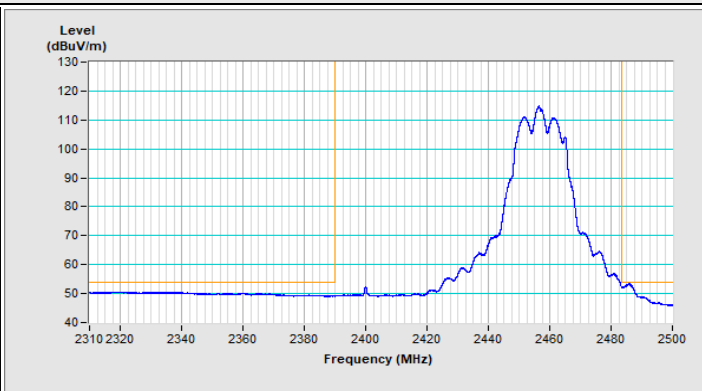


Vertical (Average)

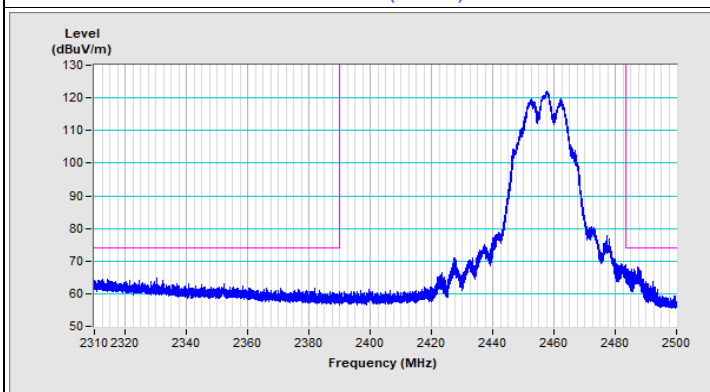
802.11g Channel 10



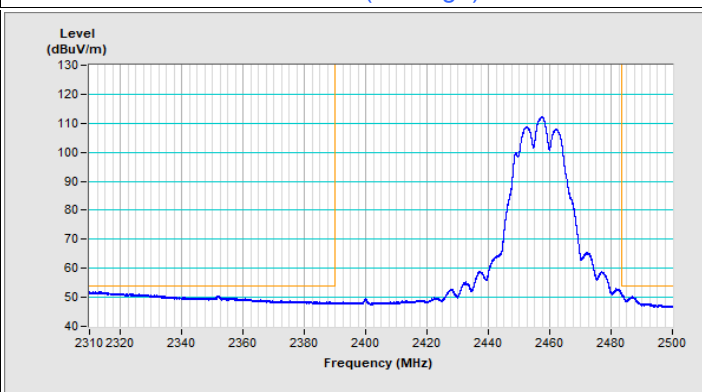
Horizontal (Peak)



Horizontal (Average)

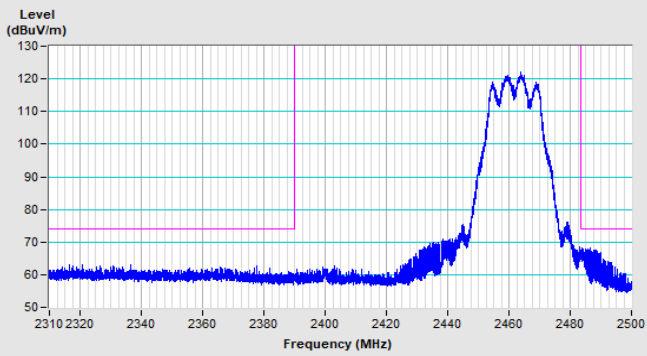


Vertical (Peak)

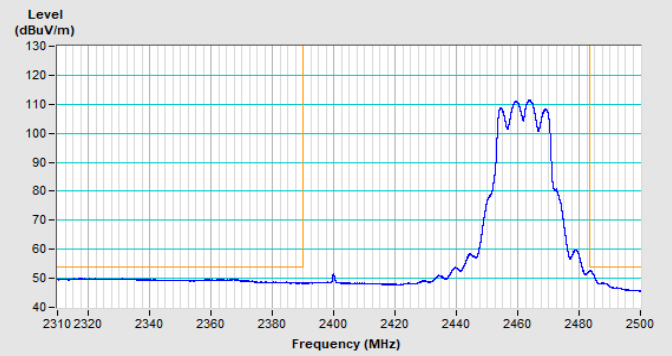


Vertical (Average)

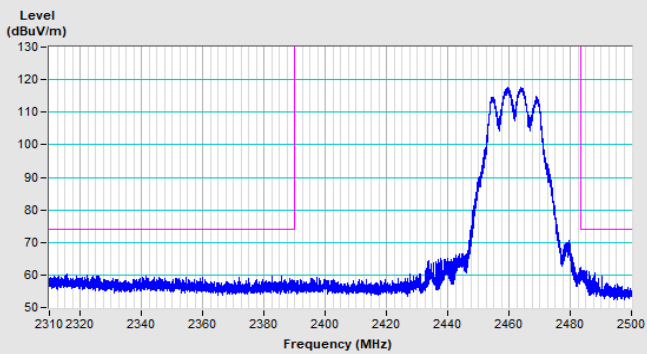
802.11g Channel 11



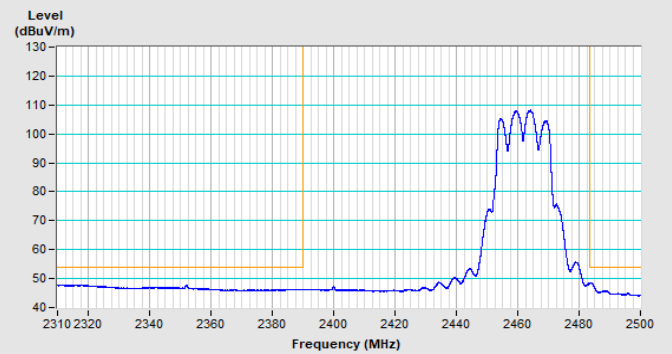
Horizontal (Peak)



Horizontal (Average)



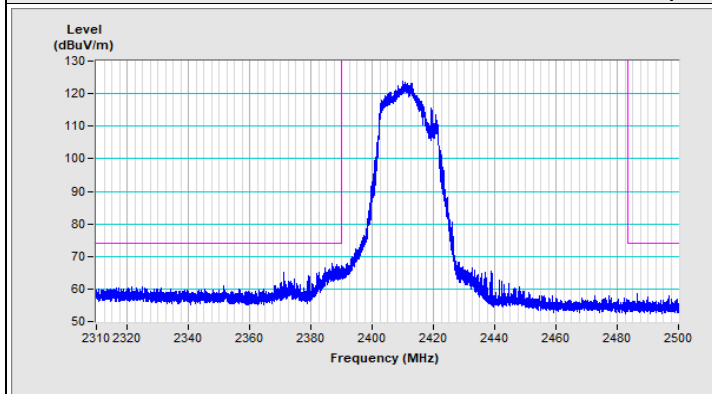
Vertical (Peak)



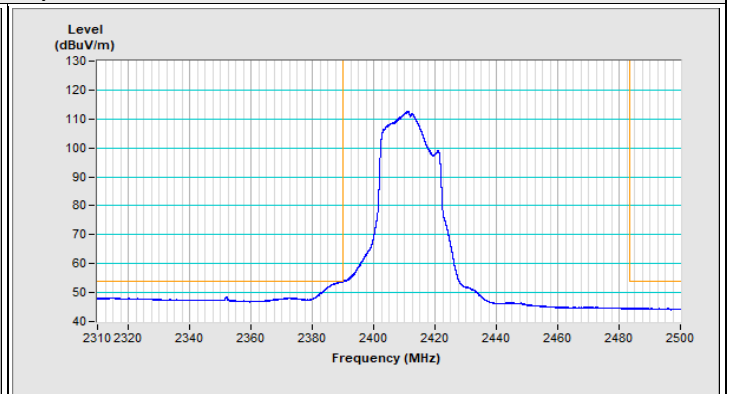
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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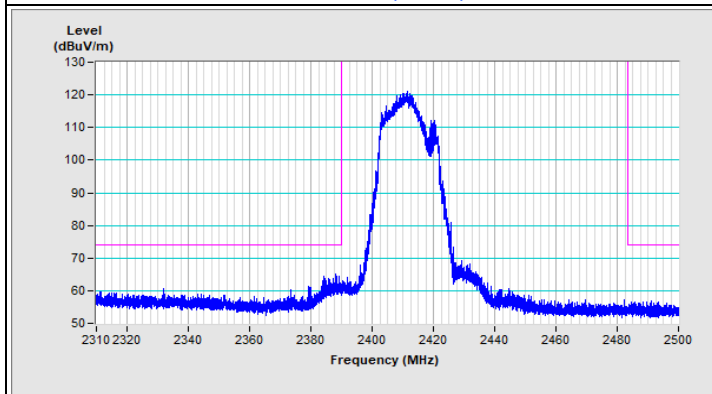
802.11be (EHT20) Channel 1



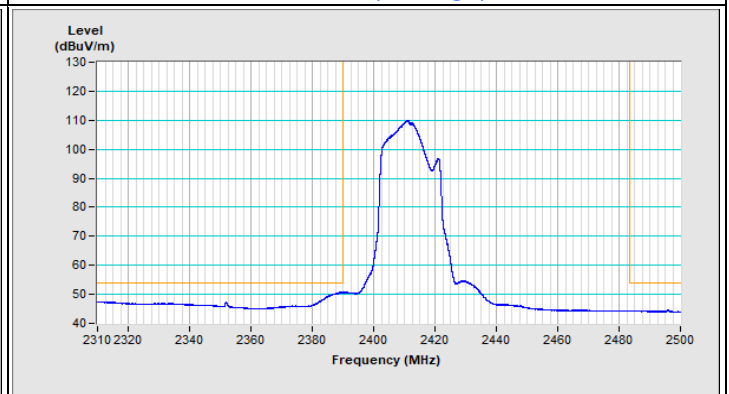
Horizontal (Peak)



Horizontal (Average)

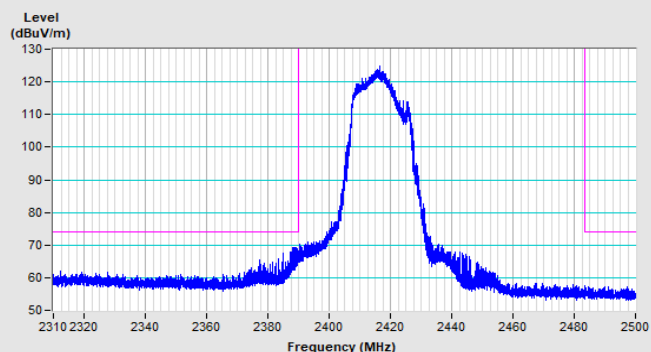


Vertical (Peak)

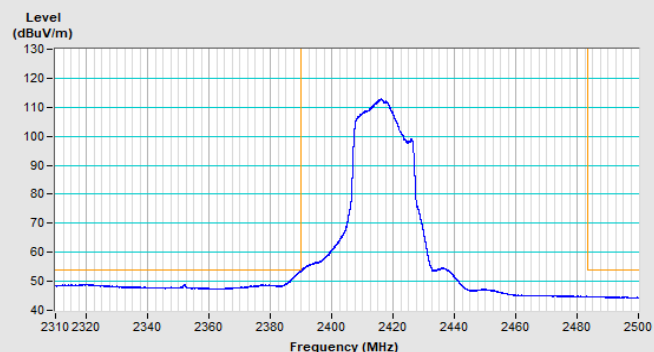


Vertical (Average)

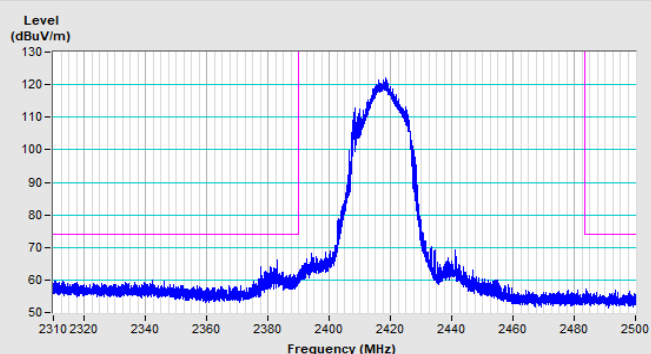
802.11be (EHT20) Channel 2



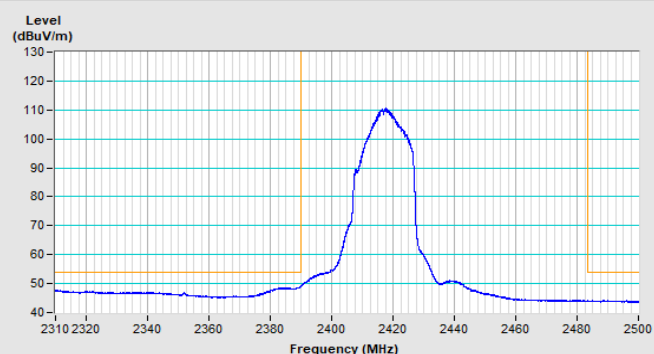
Horizontal (Peak)



Horizontal (Average)

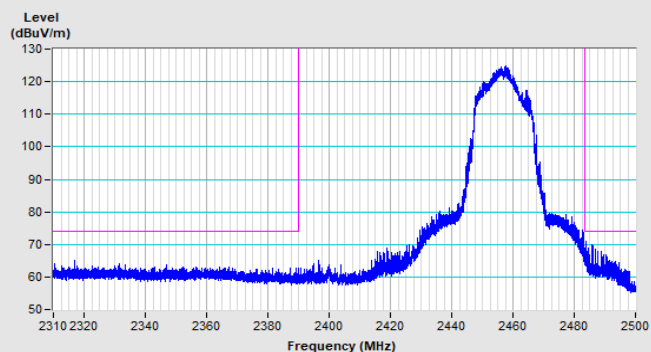


Vertical (Peak)

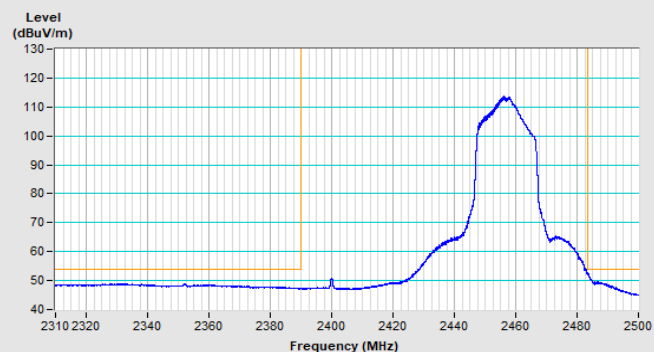


Vertical (Average)

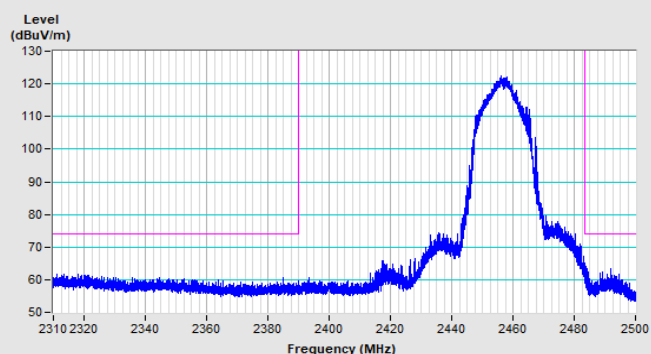
802.11be (EHT20) Channel 10



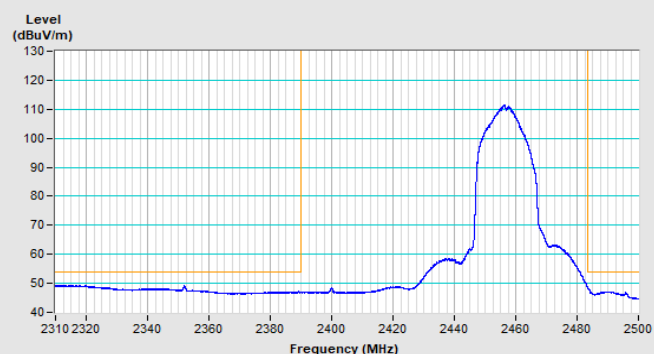
Horizontal (Peak)



Horizontal (Average)

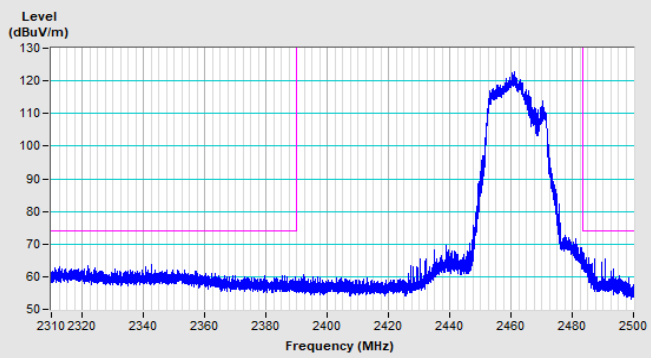


Vertical (Peak)

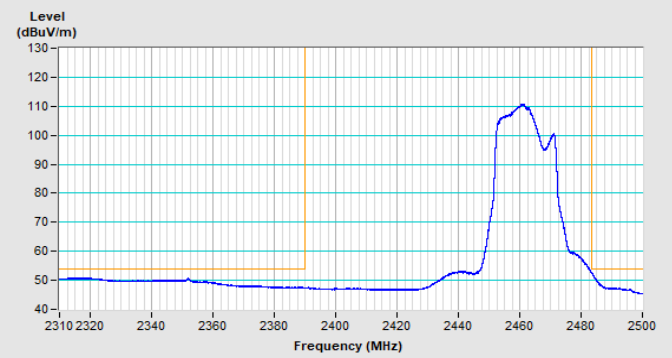


Vertical (Average)

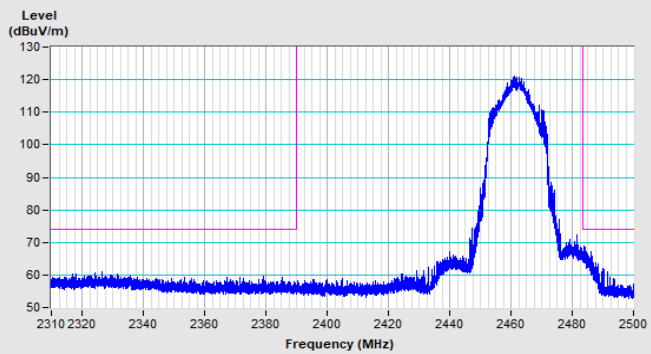
802.11be (EHT20) Channel 11



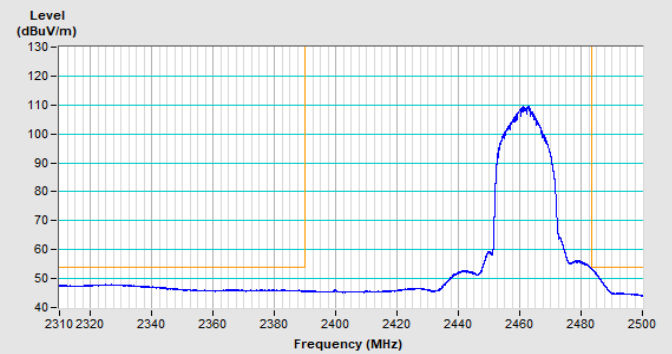
Horizontal (Peak)



Horizontal (Average)



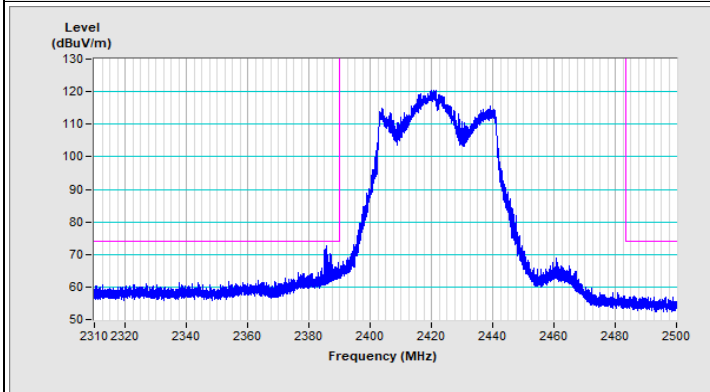
Vertical (Peak)



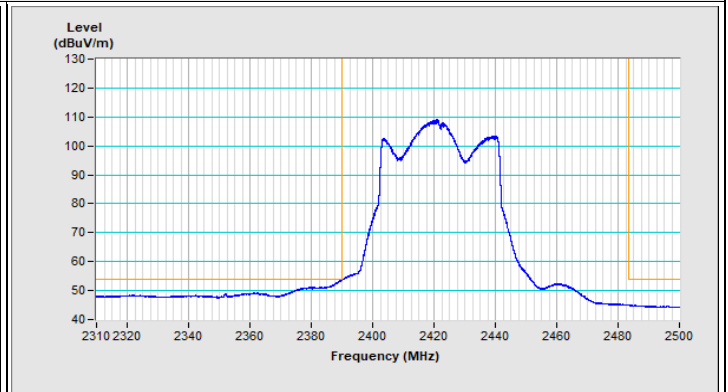
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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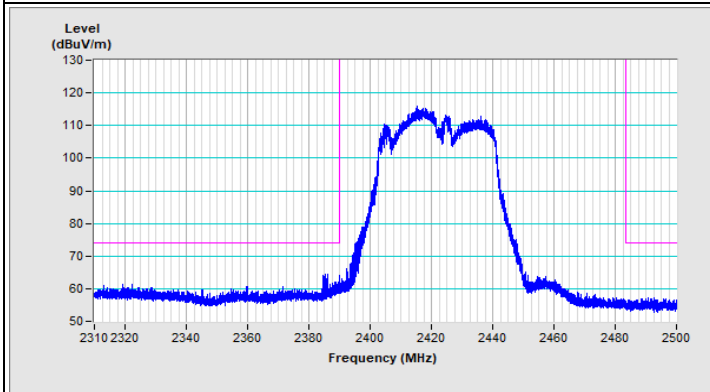
802.11be (EHT40) Channel 3



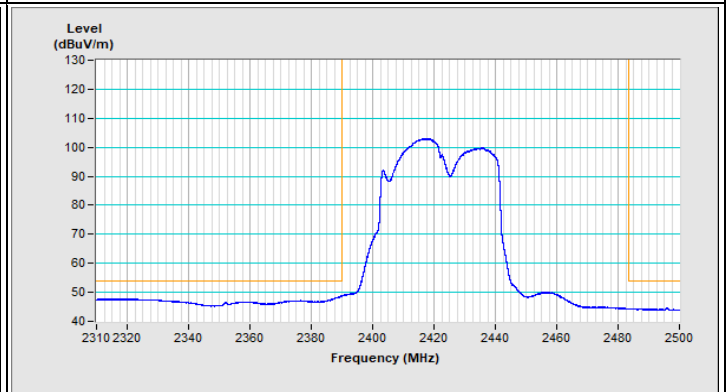
Horizontal (Peak)



Horizontal (Average)

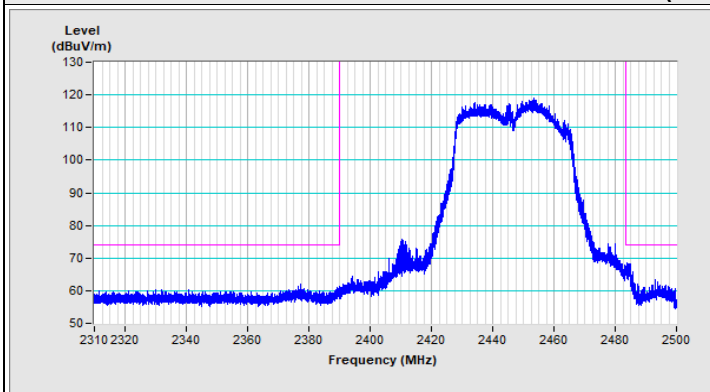


Vertical (Peak)

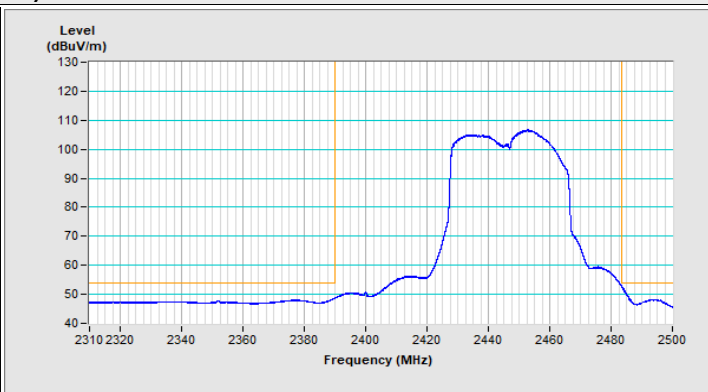


Vertical (Average)

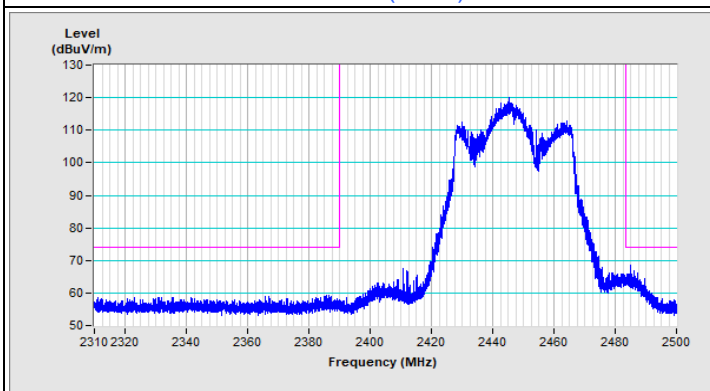
802.11be (EHT40) Channel 8



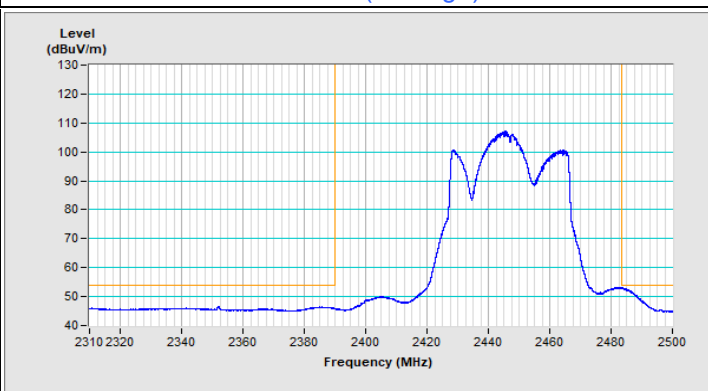
Horizontal (Peak)



Horizontal (Average)

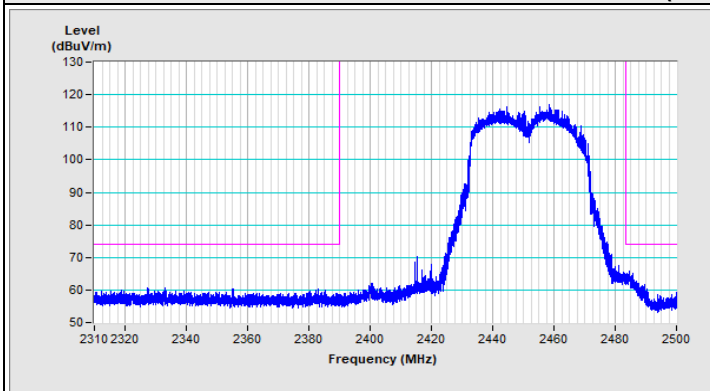


Vertical (Peak)

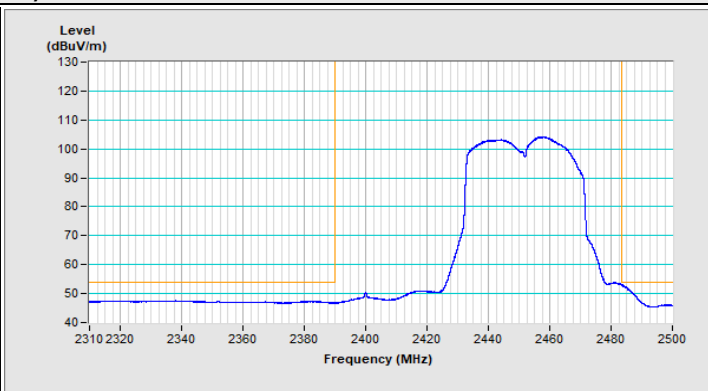


Vertical (Average)

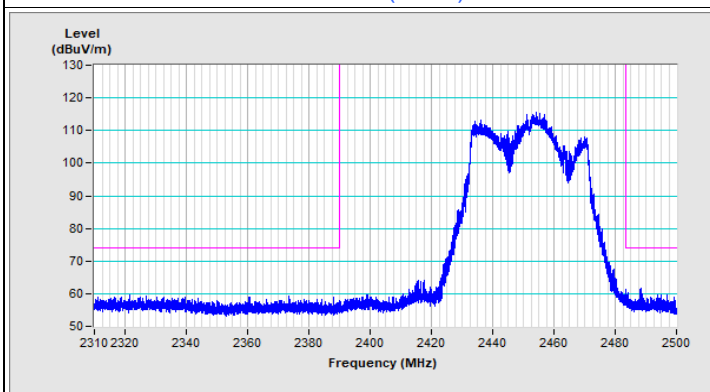
802.11be (EHT40) Channel 9



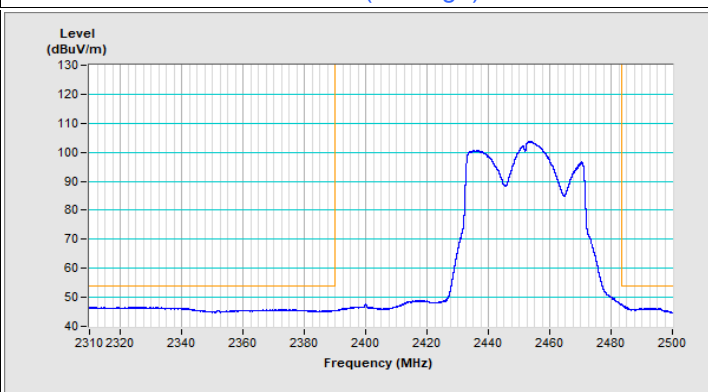
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

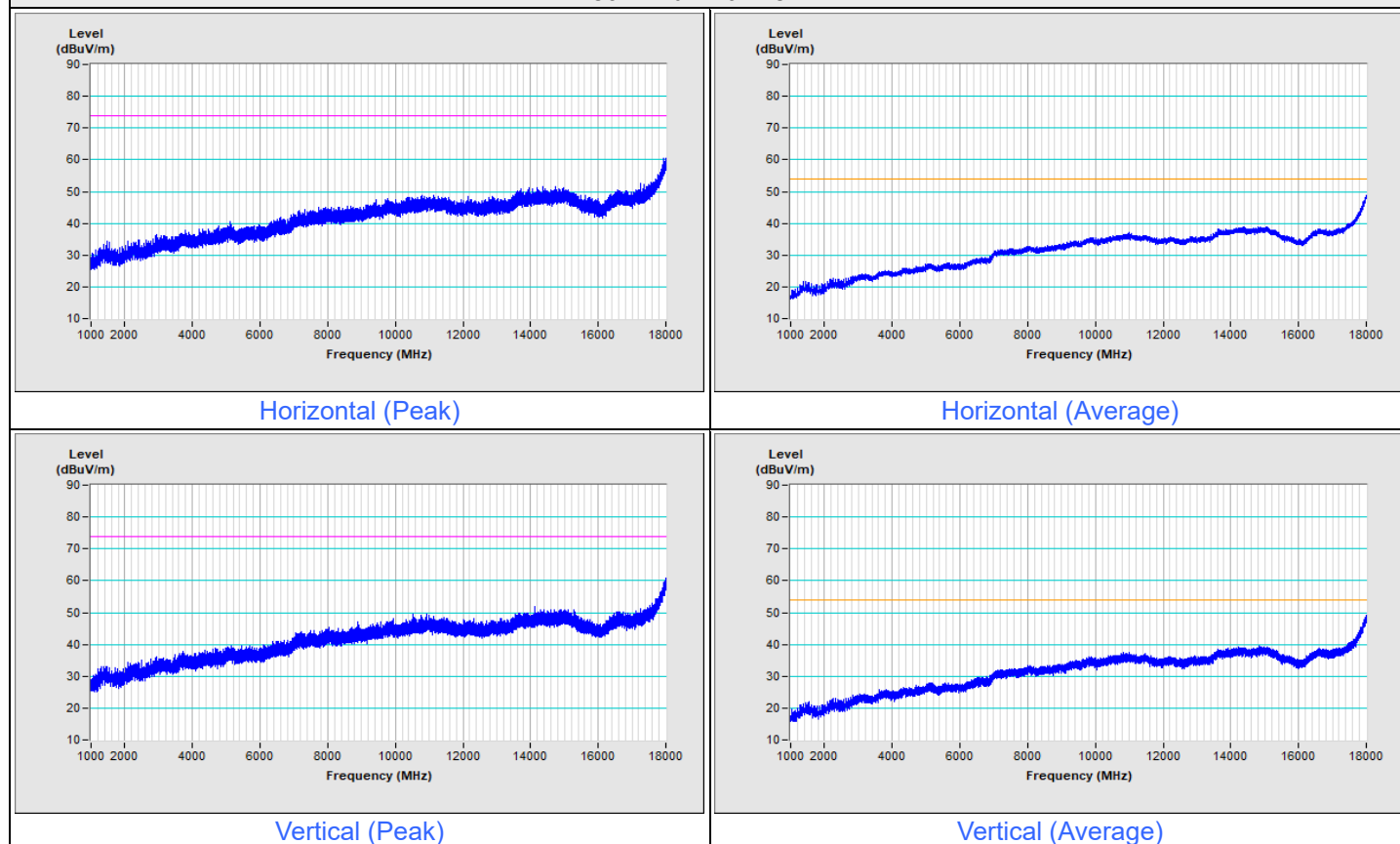


Vertical (Average)

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 11

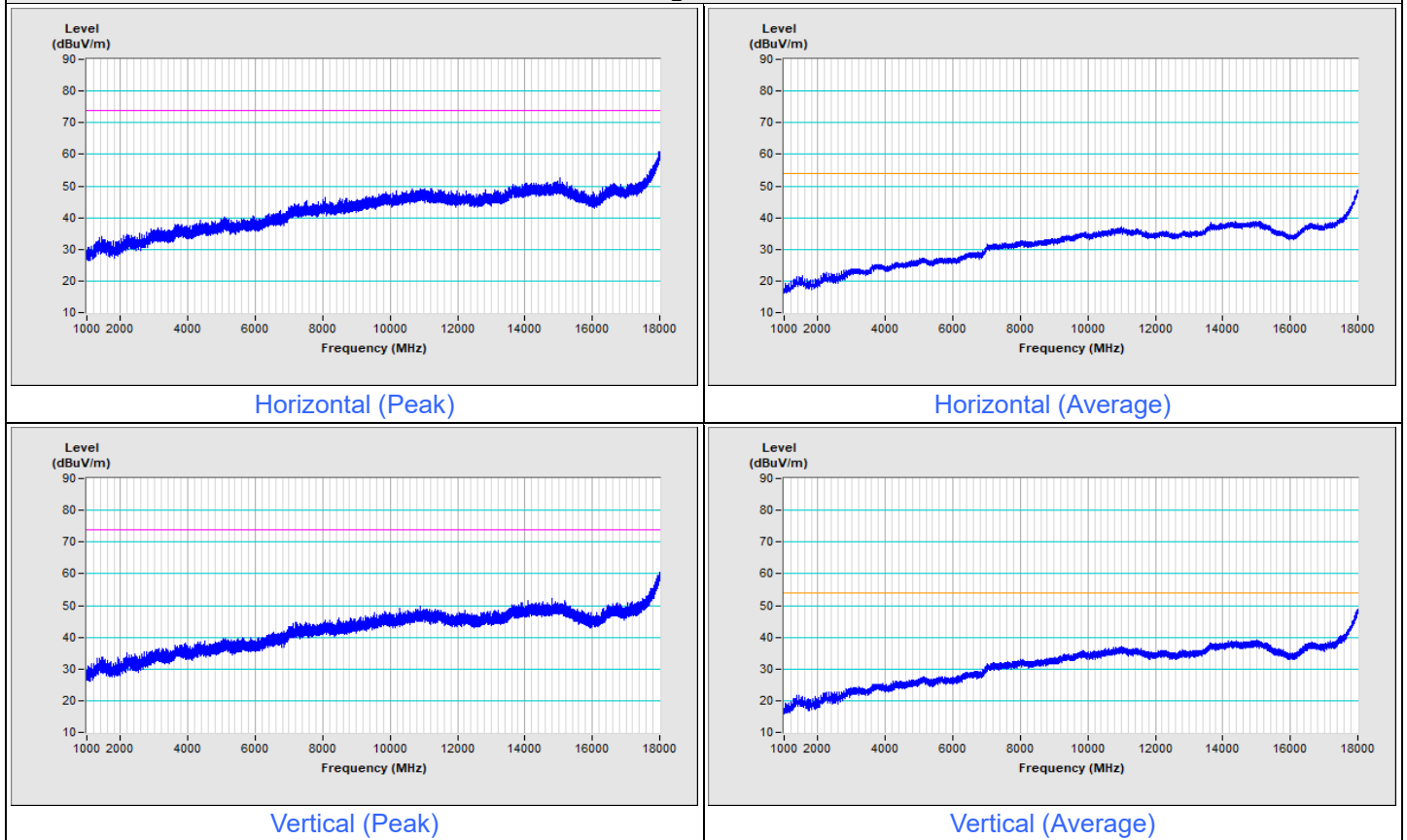


Notes:

- 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.
- 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 1

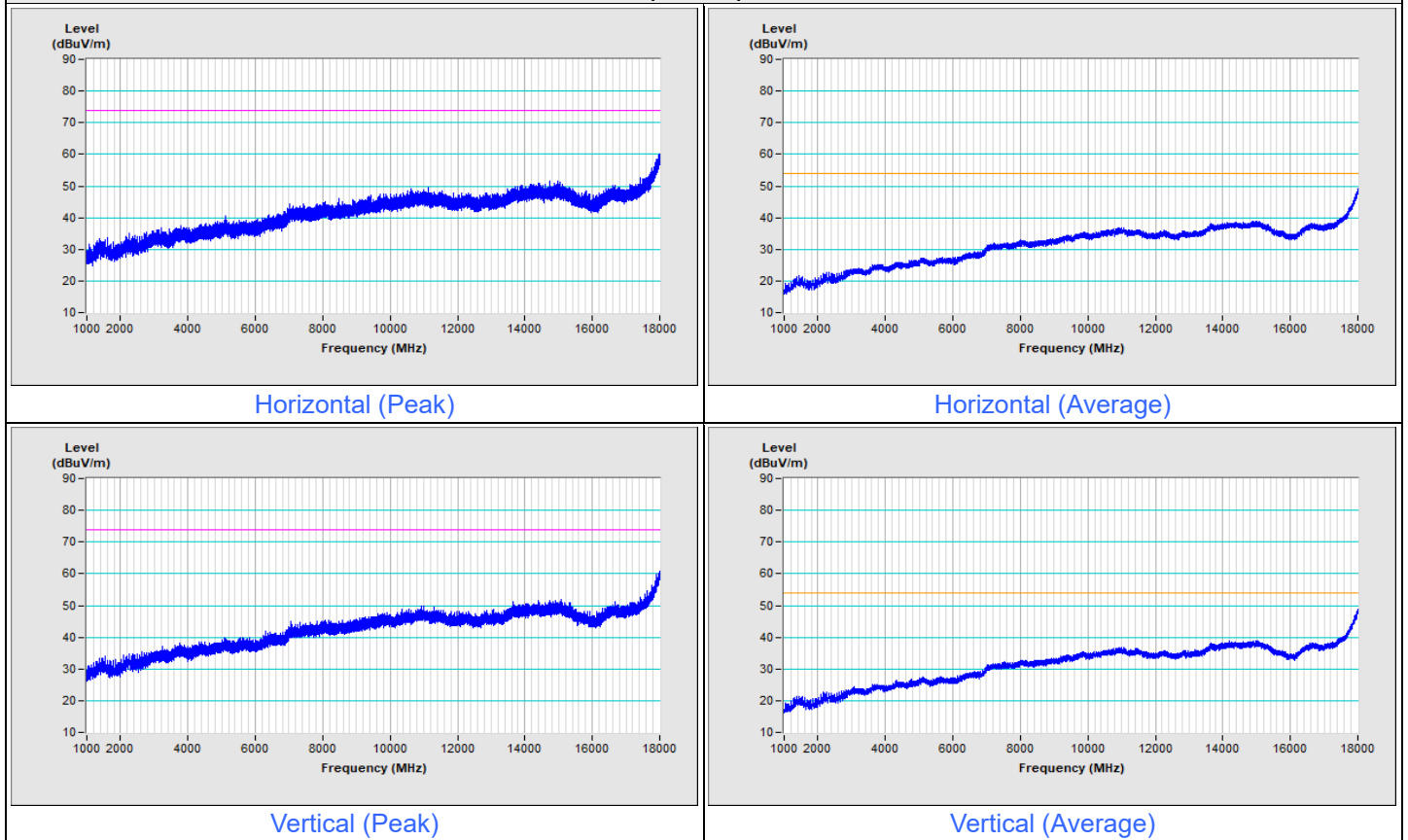


Notes:

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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802.11be (EHT20) Channel 2

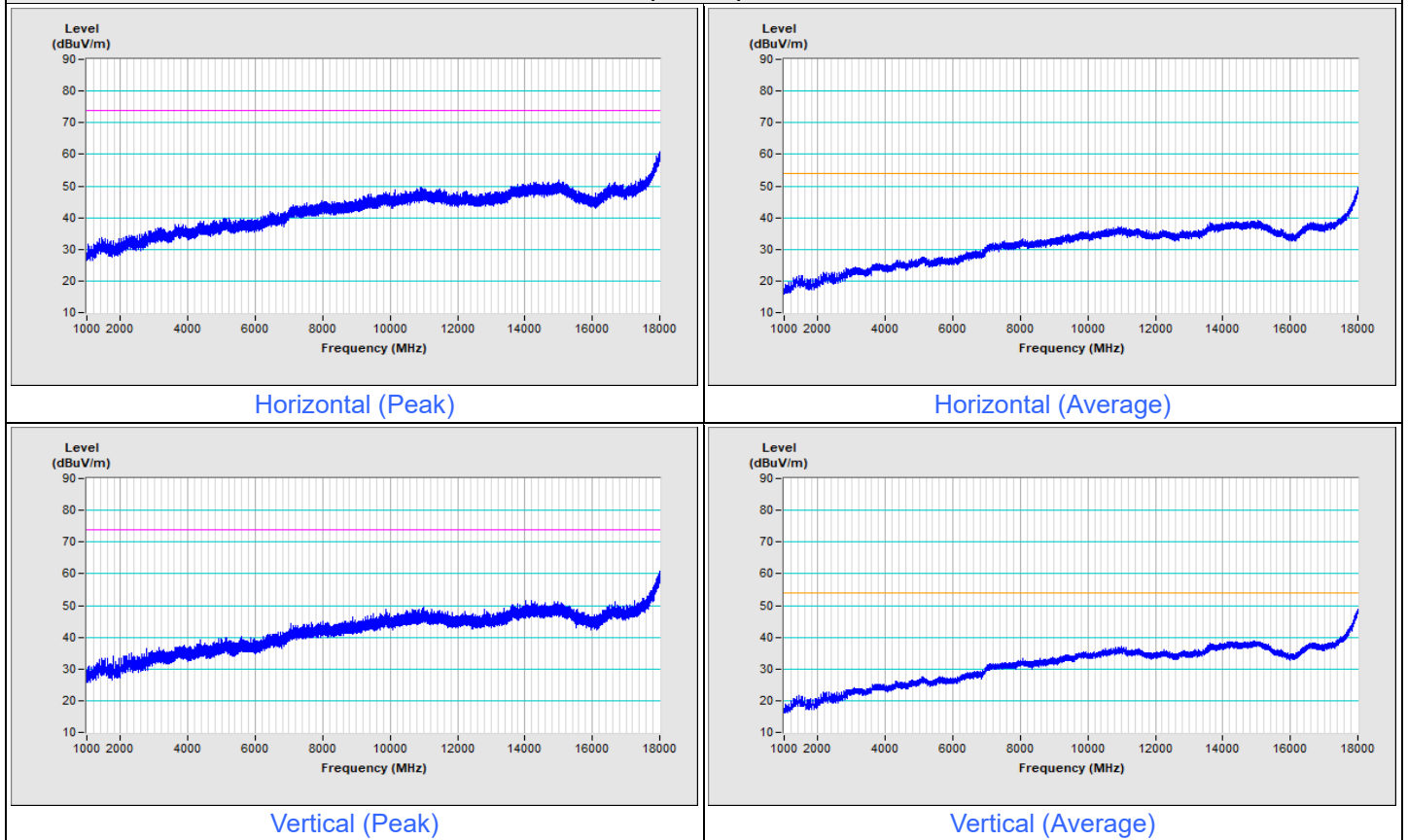


Notes:

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 8



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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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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