

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBBQZ-WTW-P25100602
FCC ID: PY325100647
Product: BE5000 Dual-Band PoE 2.5G Insight Managed WiFi 7 Outdoor Access Point
Brand: NETGEAR
Model No.: WBE700Y
Series Model: WBE708Y (refer to item 3.1 for more details)
Received Date: 2025/11/15
Test Date: 2026/3/16 ~ 2026/5/22
Issued Date: 2026/7/21

Applicant and Manufacturer: NETGEAR, INC.

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

Designation Number:

Approved by:

Jeremy Lin

, Date:

2026/7/21

Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P25100602	Original Release	2026/7/21

1 Certificate

Product: BE5000 Dual-Band PoE 2.5G Insight Managed WiFi 7 Outdoor Access Point

Brand: NETGEAR

Test Model: WBE700Y

Series Model: WBE708Y (refer to item 3.1 for more details)

Sample Status: Engineering sample

Applicant and Manufacturer: NETGEAR, INC.

Test Date: 2026/3/16 ~ 2026/5/22

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

Measurement procedure: ANSI C63.10-2020

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 -19.01 dB at 15.97600 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.1 dB at 30.00 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 2351.90 MHz, 2390.00 MHz and 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) & RP-SMA not a standard connector.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.79 dB
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 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	BE5000 Dual-Band PoE 2.5G Insight Managed WiFi 7 Outdoor Access Point
Brand	NETGEAR
Test Model	WBE700Y
Series Model	WBE708Y
Model Difference	Refer to note
Status of EUT	Engineering sample
Power Supply Rating	54Vdc from POE
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	Up to 688 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
Channel Puncturing	Not support
Output Power	Internal Antenna: 538.512 mW (27.31 dBm) External Antenna: 737.963 mW (28.68 dBm)

Note:

1. All models are listed as below.

Model	HW	FW	Differences
WBE700Y	Identical	Identical	SKU, Packing and labelling information Target retail markets
WBE708Y	Identical	Identical	SKU, Packing and labelling information Target service provider markets

2. The EUT uses following support unit.

Item	Brand	Model	Specification
POE	NETGEAR	MS108UP	Input: 54V, 4.7A
POE Adapter	NETGEAR	2ABU130S	AC Input: 100-240V~ 50/60Hz, 2.0A DC Output: 54V 2.4A, 130W AC Cable: 1.8M, 0core DC Output Cable: 1.5M, one core

3. There is WLAN (2.4 GHz / 5 GHz) technology used for the EUT.

4. Internal and external antennas cannot transmit simultaneously.

5. Simultaneously transmission combination.

Combination	Technology	
1	WLAN 2.4 GHz	WLAN 5 GHz

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Brand	Model	Antenna Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type
Internal Ant 1_2G	0	WHAYU	7102A1428000	7.93	2.4~2.4835	Patch	ipex(MHF)
Internal Ant 2_2G	1	WHAYU	7102A1428000	8.22	2.4~2.4835	Patch	ipex(MHF)
Internal Ant 3_5G	0	WHAYU	7102A1428000	11.21	5.15~5.25	Patch Array	ipex(MHF)
				11.19	5.25~5.35		
				10.87	5.47~5.725		
				10.87	5.725~5.85		
Internal Ant 4_5G	1	WHAYU	7102A1428000	11.25	5.15~5.25	Patch Array	ipex(MHF)
				11.25	5.25~5.35		
				11.83	5.47~5.725		
				11.83	5.725~5.85		
External Ant 1_2G	0	AWAN	7102A1389000	3.77	2.4~2.4835	Dipole	RP-SMA
External Ant 2_2G	1	AWAN	7102A1389000	3.8	2.4~2.4835	Dipole	RP-SMA
External Ant 3_5G	0	AWAN	7102A1389000	4.16	5.15~5.25	Dipole	RP-SMA
				4.16	5.25~5.35		
				4.53	5.47~5.725		
				4.9	5.725~5.85		
External Ant 4_5G	1	AWAN	7102A1389000	3.6	5.15~5.25	Dipole	RP-SMA
				3.23	5.25~5.35		
				4.18	5.47~5.725		
				4.31	5.725~5.85		

Frequency range (GHz)	Directional Gain (dBi)	
	Internal Ant	External Ant
2.4~2.4835	10.96	6.25
5.15 ~ 5.25	14.02	5.91
5.25 ~ 5.35	11.25	5.91
5.47 ~ 5.725	11.83	5.86
5.725 ~ 5.85	12.2	5.86

* The detailed antenna information, please refer to WBE700Y Directional Gain Measurement data.

* If Directional Gain is less than individual antenna maximum peak gain, use individual antenna maximum peak gain as directional gain.

2. 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:

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

3.3 Channel List

11 channels are provided for 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20):

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

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

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

3.4 Test Mode Applicability and Tested Channel Detail

The EUT is designed to be positioned on the Wall Mount Mode only.

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	A, B	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g	CDD	1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	CDD & Beamforming	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)	CDD & Beamforming	3, 6, 9	BPSK	MCS0
Power Spectral Density	A, B	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	A, B	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	A	802.11g	CDD	6	BPSK	6Mb/s
	B	802.11b	CDD	6	DBPSK	1Mb/s
Unwanted Emissions below 1 GHz	A	802.11g	CDD	6	BPSK	6Mb/s
	B	802.11b	CDD	6	DBPSK	1Mb/s
Unwanted Emissions above 1 GHz	A, B	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
EUT Configure Mode	A	EUT with Internal Antenna				
	B	EUT with External Antenna				

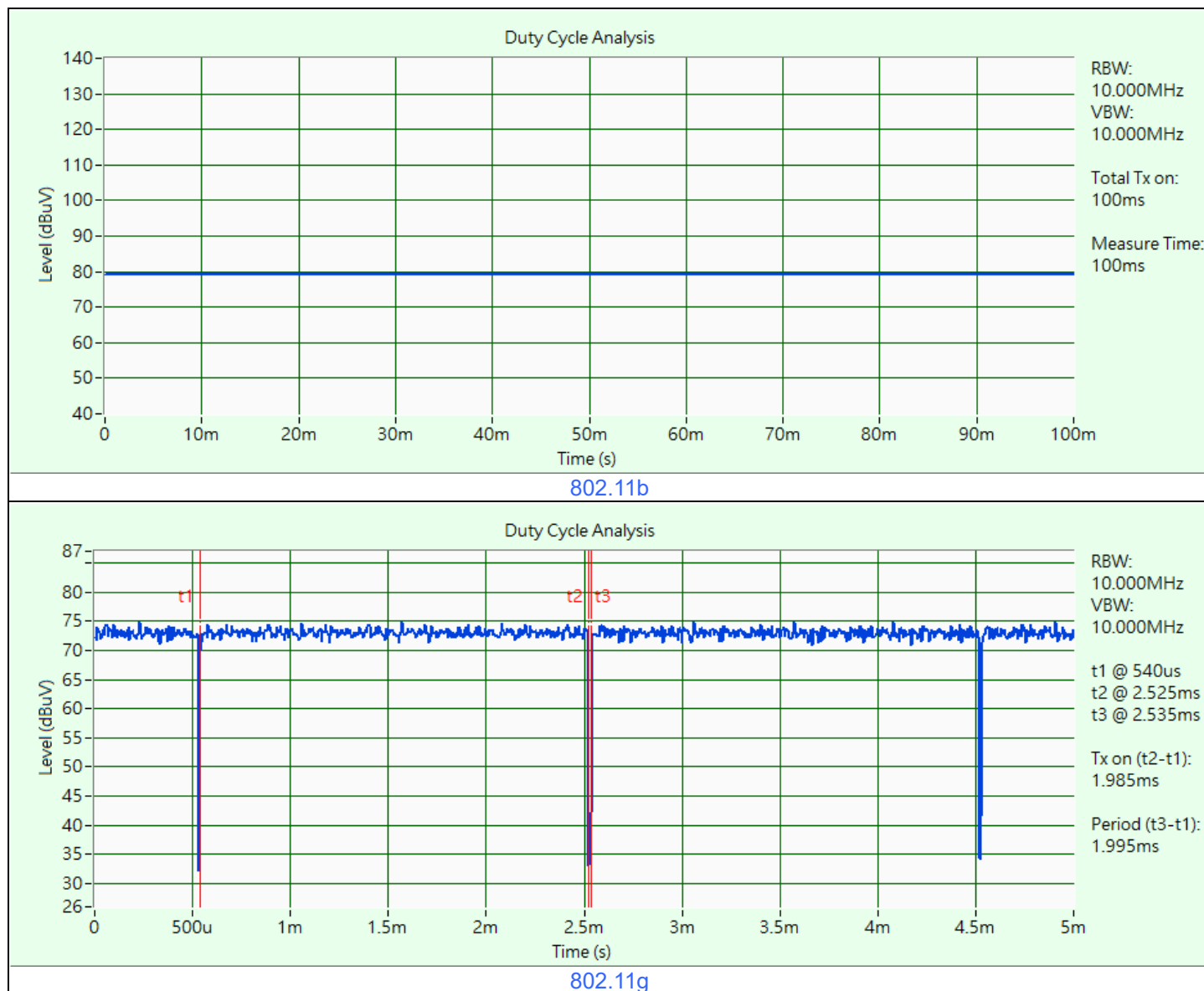
3.5 Duty Cycle of Test Signal

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

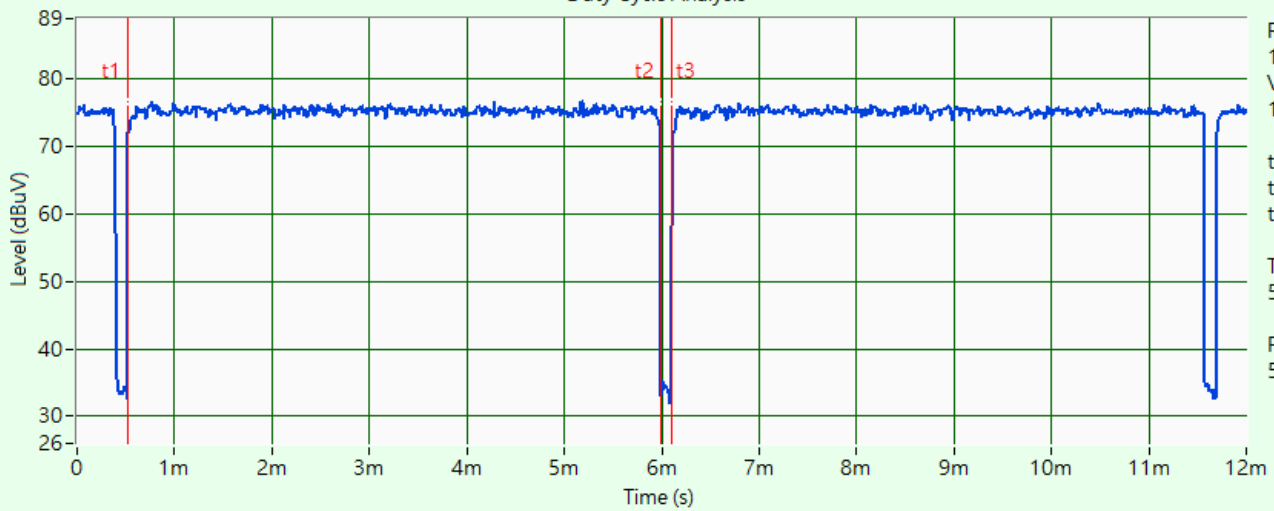
802.11g: Duty cycle = 1.985 ms / 1.995 ms x 100% = 99.5%

802.11be (EHT20): Duty cycle = 5.46 ms / 5.568 ms x 100% = 98.1%

802.11be (EHT40): Duty cycle = 5.475 ms / 5.565 ms x 100% = 98.4%

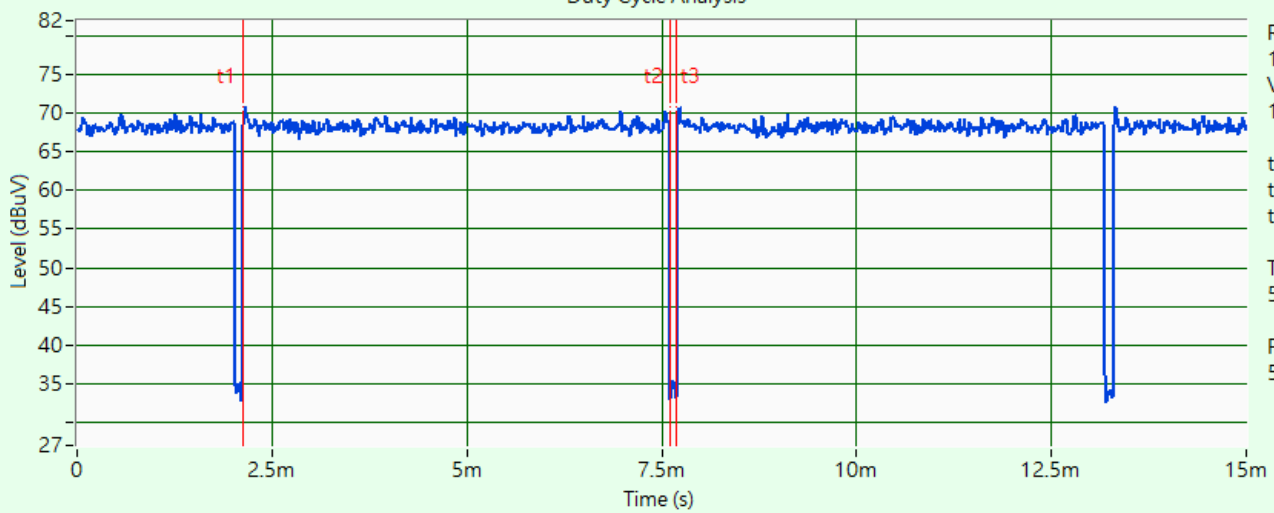


Duty Cycle Analysis



802.11be (EHT20)

Duty Cycle Analysis

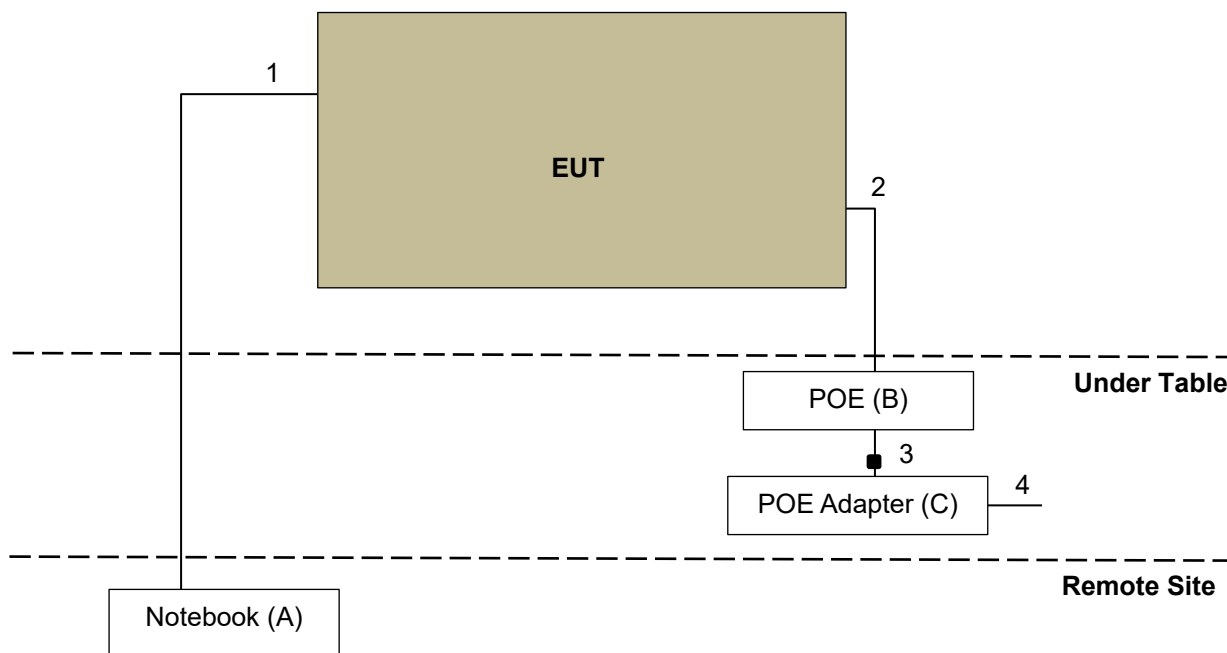


802.11be (EHT40)

3.6 Test Program Used and Operation Descriptions

Controlling software QPST Version 2.0-00202 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	DELL	E5430	2RL3YW1	N/A	Provided by Lab
B	POE	NETGEAR	MS108UP	N/A	N/A	Supplied by applicant
C	POE Adapter	NETGEAR	2ABU130S	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 (for RF Setup)
2	RJ-45 Cable	1	1.5	No	0	Provided by Lab (for RF Setup)
3	DC Output Cable	1	1.5	-	1	Supplied by applicant
4	AC Cable	1	1.8	-	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-10	00800A1K01A-10-01	2026/5/21	2027/5/20
Peak Power Analyzer Keysight	8990B	MY51000538	2025/5/23	2026/5/22
USB Power Sensor Anritsu	MA24408A	12994	2025/12/5	2026/12/4
Wideband Power Sensor Keysight	N1923A	MY58200003	2025/5/29	2026/5/28

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/5/22

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
Signal & Spectrum Analyzer R&S	FSW26	102023	2025/11/14	2026/11/13
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/5/22

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	E1-011279	04	2025/12/4	2026/12/3
	E1-011280	05	2025/12/4	2026/12/3
	E1-011311	09	2025/12/4	2026/12/3
DC LISN Schwarzbeck	NNBM 8126G	8126G-069	2025/11/3	2026/11/2
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01445	2026/4/18	2027/4/17
EMI Test Receiver R&S	ESCI	100613	2025/11/27	2026/11/26
Extension Power Line EMCI	EMCI-EXP-EU-US	023	2026/3/6	2027/3/5
LISN R&S	ENV216	101826	2026/3/6	2027/3/5
	ESH3-Z5	100311	2025/8/28	2026/8/27
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2026/1/3	2027/1/2
Software BVADT	BVADT_Conf_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2025/8/27	2026/8/26

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2026/5/20

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2025/9/16	2026/9/15
EMI Test Receiver R&S	ESR3	102782	2025/12/8	2026/12/7
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
Preamplifier Agilent	8447D	2944A10631	2026/4/18	2027/4/17
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2025/6/30	2026/6/29
Signal & Spectrum Analyzer R&S	FSW43	101582	2026/5/2	2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3(Hwaya).
2. Tested Date: 2026/5/13

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2025/12/8	2026/12/7
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2025/11/9	2026/11/8
	BBHA 9170	9170-480	2025/11/9	2026/11/8
		BBHA9170241	2025/10/28	2026/10/27
		BBHA9170243	2025/11/9	2026/11/8
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
Preamplifier Keysight	83017A	MY53270295	2025/4/27 2026/4/18	2026/4/26 2027/4/17
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
RF Coaxial Cable HUBER+SUHNER	EMC104-SM-SM-10000	Cable-CH1-01(RFC-SMS-100-SMS-120+RFC-SMS-100-SMS-4)	2025/4/27 2026/4/18	2026/4/26 2027/4/17
	SUCOFLEX 104	Cable-CH4-03(250724)	2025/4/27 2026/4/18	2026/4/26 2027/4/17
Signal & Spectrum Analyzer R&S	FSW43	101582	2025/4/15 2026/5/2	2026/4/14 2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3(Hwaya).
2. Tested Date: 2026/3/16 ~ 2026/5/20

5 Limits of Test Items

5.1 RF Output Power

For systems using digital modulation in the 2400-2483.5 MHz bands: 1 Watt (30 dBm)

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

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

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

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

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

5.2 Power Spectral Density

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

5.3 6 dB Bandwidth

The minimum of 6 dB Bandwidth Measurement is 0.5 MHz.

5.4 Conducted Out of Band Emissions

Below 30 dB of the highest emission level of operating band (in 100 kHz Resolution Bandwidth).

5.5 AC Power Conducted Emissions

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

Notes:

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

5.6 Unwanted Emissions below 1 GHz

Radiated emissions up to 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30 dB below the highest level of the desired power:

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

Notes:

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

5.7 Unwanted Emissions above 1 GHz

Radiated emissions above 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 30 dB below the highest level of the desired power:

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

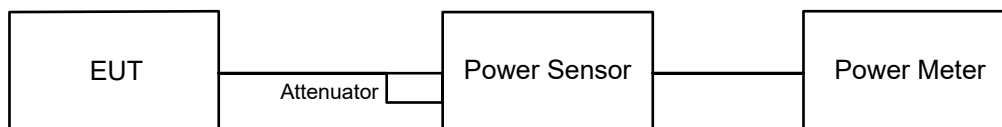
Notes:

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



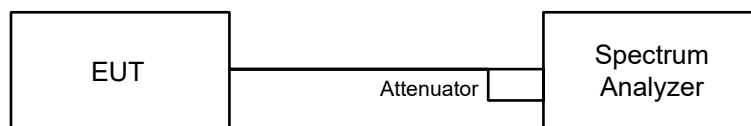
6.1.2 Test Procedure

Average Power:

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

6.2 Power Spectral Density

6.2.1 Test Setup



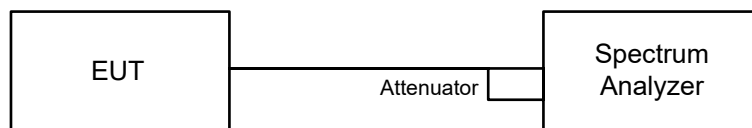
6.2.2 Test Procedure

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

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

6.3 6 dB Bandwidth

6.3.1 Test Setup

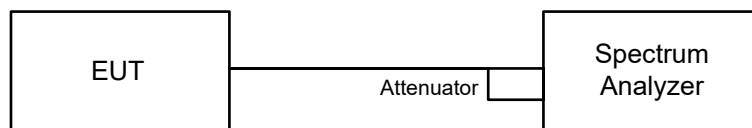


6.3.2 Test Procedure

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

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

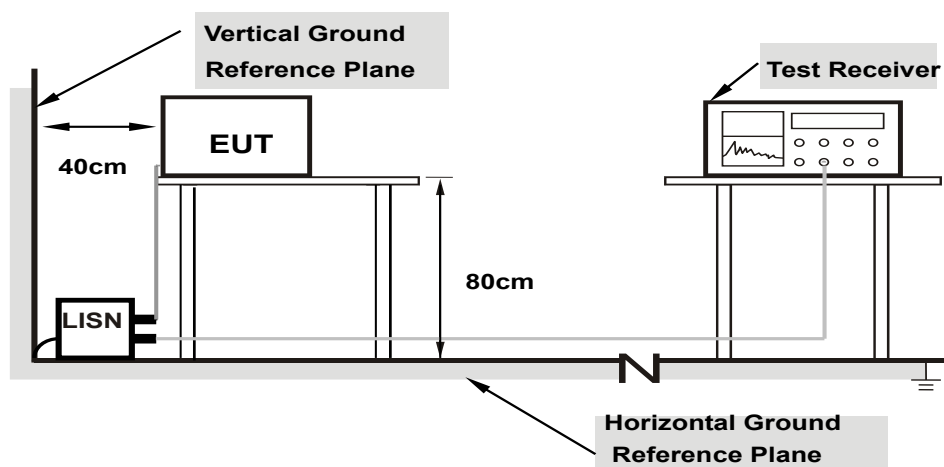
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use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

MEASUREMENT PROCEDURE OOBE

- 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

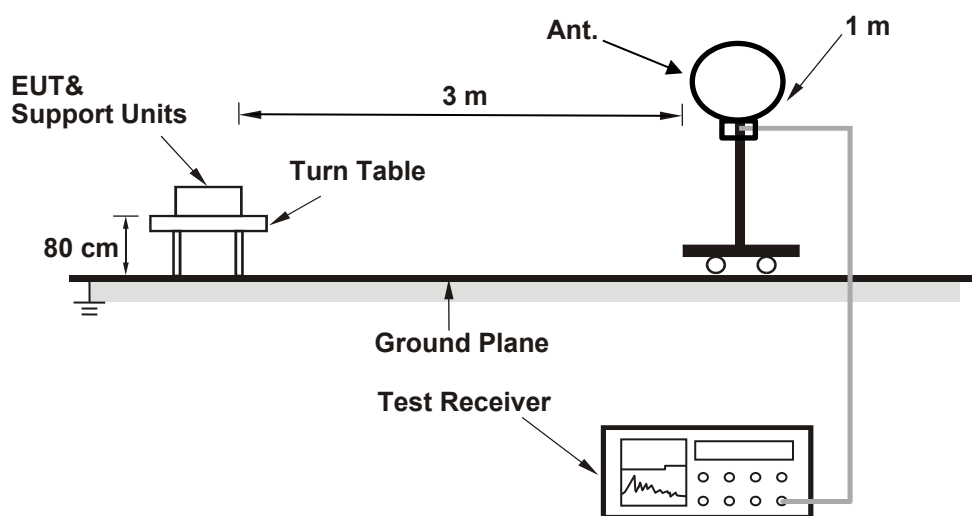
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

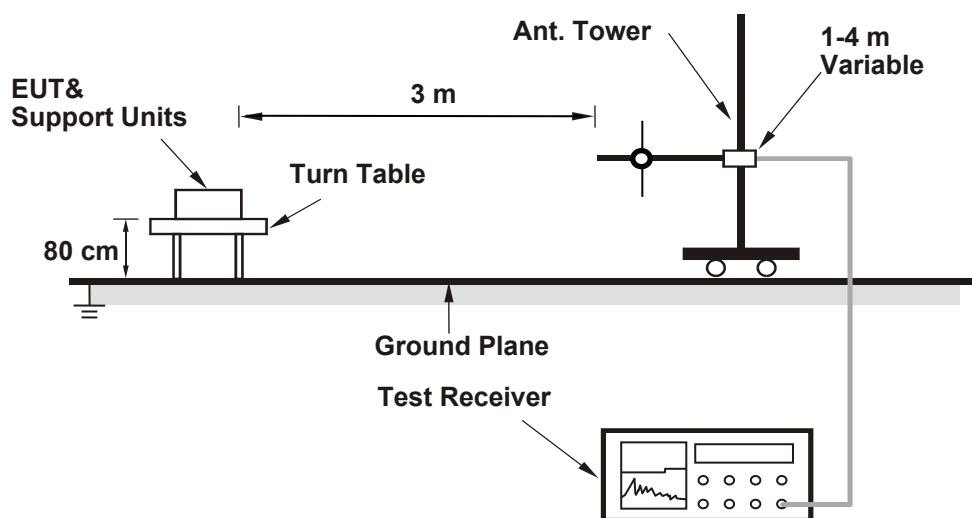
6.6 Unwanted Emissions below 1 GHz

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

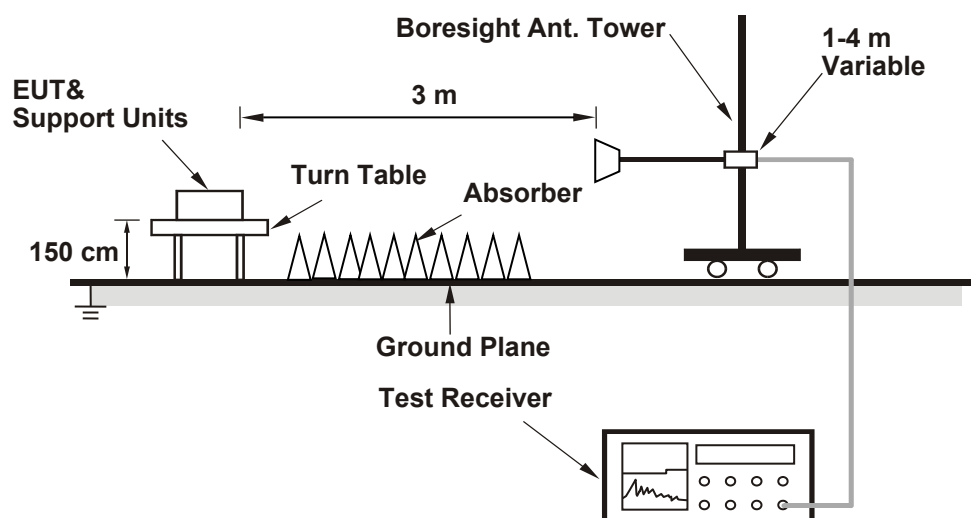
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Environmental Conditions:	25°C, 60% RH	Tested By:	Ivan Tseng
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Mode A

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	24.19	24.29	530.956	27.25	27.78	Pass
6	2437	24.18	24.25	527.891	27.23	27.78	Pass
11	2462	24.25	24.31	535.846	27.29	27.78	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 8.22 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.22-6) = 27.78$ dBm.

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	24.18	24.39	536.608	27.30	27.78	Pass
6	2437	24.42	24.18	538.512	27.31	27.78	Pass
11	2462	23.57	24.02	479.858	26.81	27.78	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 8.22 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.22-6) = 27.78$ dBm.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	21.98	21.62	302.972	24.81	27.78	Pass
6	2437	24.21	24.35	535.903	27.29	27.78	Pass
11	2462	22.28	22.87	362.686	25.60	27.78	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 8.22 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.22-6) = 27.78$ dBm.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	20.36	20.03	209.336	23.21	27.78	Pass
6	2437	22.91	23.31	409.723	26.12	27.78	Pass
9	2452	20.51	20.58	226.748	23.56	27.78	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 8.22 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.22-6) = 27.78$ dBm.

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	21.98	21.62	302.972	24.81	25.04	Pass
6	2437	21.71	21.85	301.361	24.79	25.04	Pass
11	2462	21.65	22.07	307.282	24.88	25.04	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 10.96 dBi > 6 dBi, so the output power limit shall be reduced to $30-(10.96-6) = 25.04$ 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	20.36	20.03	209.336	23.21	25.04	Pass
6	2437	21.76	22.16	314.406	24.97	25.04	Pass
9	2452	20.51	20.58	226.748	23.56	25.04	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 10.96 dBi > 6 dBi, so the output power limit shall be reduced to $30-(10.96-6) = 25.04$ dBm.

Mode B

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	25.08	25.47	674.478	28.29	30	Pass
6	2437	25.65	25.69	737.963	28.68	30	Pass
11	2462	25.18	24.81	632.301	28.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.8 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	23.15	23.77	444.77	26.48	30	Pass
6	2437	24.69	24.88	602.052	27.80	30	Pass
11	2462	23.18	23.41	427.25	26.31	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.8 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	23.45	23.55	447.774	26.51	30	Pass
6	2437	23.82	25.16	569.086	27.55	30	Pass
11	2462	22.73	23.25	398.848	26.01	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.8 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	21.87	22.02	313.036	24.96	30	Pass
6	2437	23.51	22.98	422.998	26.26	30	Pass
9	2452	20.89	21.12	252.164	24.02	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 3.8 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	21.16	23.02	331.064	25.20	29.75	Pass
6	2437	23.12	24.45	483.728	26.85	29.75	Pass
11	2462	21.08	22.75	316.598	25.01	29.75	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 6.25 dBi $>$ 6 dBi, so the output power limit shall be reduced to $30 - (6.25 - 6) = 29.75$ 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	20.65	21.05	243.495	23.86	29.75	Pass
6	2437	21.95	23.38	374.446	25.73	29.75	Pass
9	2452	20.21	20.61	220.034	23.42	29.75	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 6.25 dBi $>$ 6 dBi, so the output power limit shall be reduced to $30 - (6.25 - 6) = 29.75$ dBm.

7.2 Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Ivan Tseng
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Mode A

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	-3.04	-3.02	-0.02	3.04	Pass
6	2437	-3.21	-3.09	-0.14	3.04	Pass
11	2462	-3.03	-2.99	0.00	3.04	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 10.96 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (10.96 - 6) = 3.04$ 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	-5.94	-5.70	-2.81	3.04	Pass
6	2437	-5.52	-5.75	-2.62	3.04	Pass
11	2462	-6.06	-5.81	-2.92	3.04	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 10.96 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (10.96 - 6) = 3.04$ 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	-9.67	-9.93	-6.79	3.04	Pass
6	2437	-7.60	-7.46	-4.52	3.04	Pass
11	2462	-9.22	-8.91	-6.05	3.04	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 10.96 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (10.96 - 6) = 3.04$ dBm/3kHz.

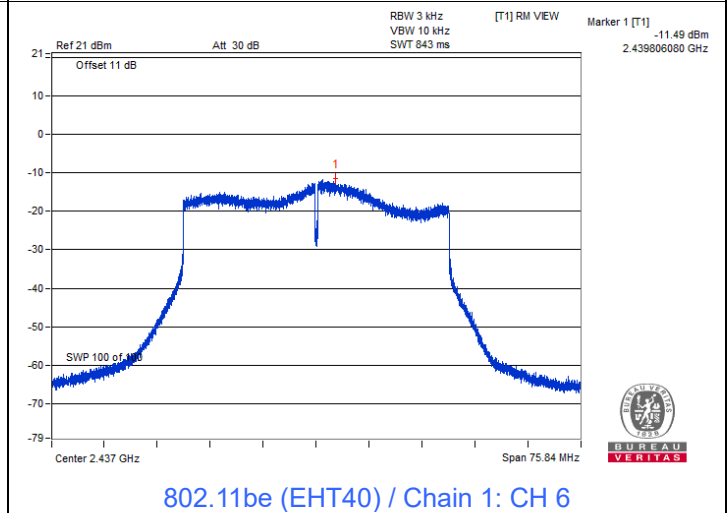
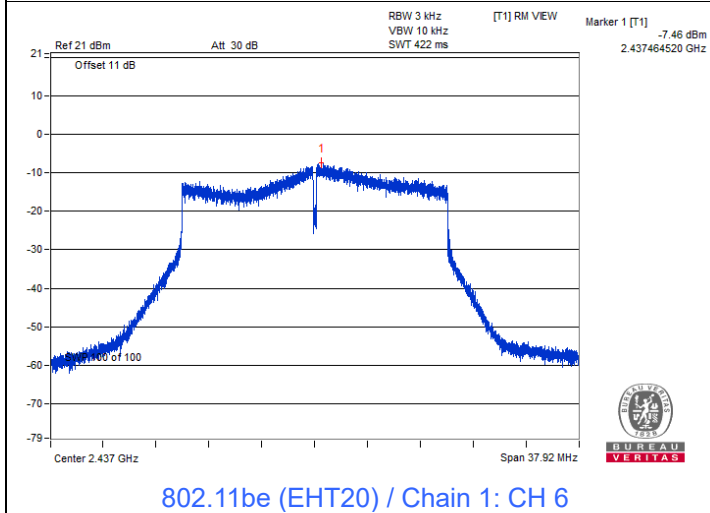
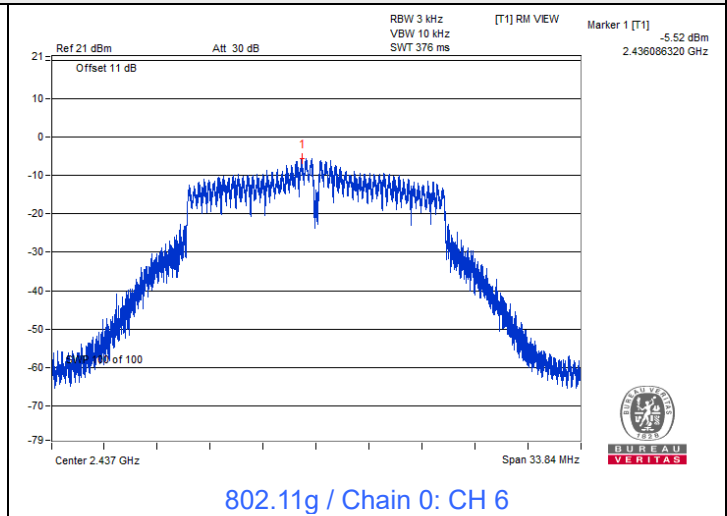
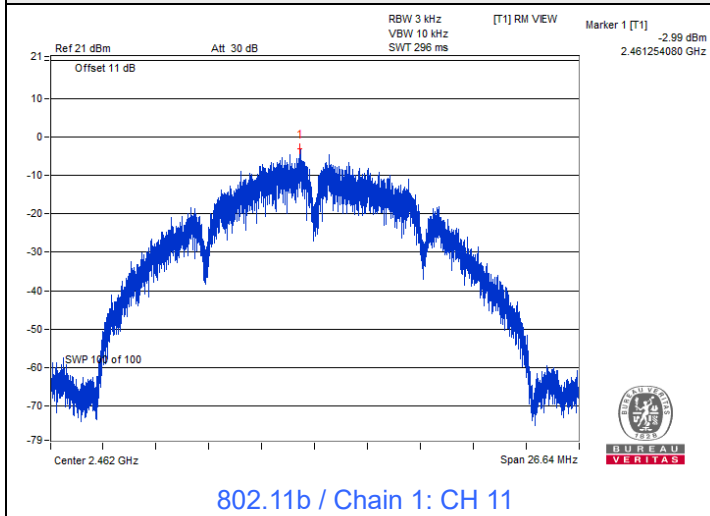
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-13.40	-13.89	-10.63	3.04	Pass
6	2437	-11.64	-11.49	-8.55	3.04	Pass
9	2452	-13.72	-13.64	-10.67	3.04	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 10.96 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (10.96 - 6) = 3.04$ dBm/3kHz.

Spectrum Plot of Maximum Value



Mode B

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	-2.49	-2.03	0.76	7.75	Pass
6	2437	-2.15	-2.01	0.93	7.75	Pass
11	2462	-2.30	-2.67	0.53	7.75	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 6.25 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.25 - 6) = 7.75$ 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	-7.76	-7.19	-4.46	7.75	Pass
6	2437	-6.00	-5.88	-2.93	7.75	Pass
11	2462	-7.52	-7.18	-4.34	7.75	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 6.25 dBi > 6 dBi, so the power density limit shall be reduced to $8 - (6.25 - 6) = 7.75$ 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	-8.72	-8.64	-5.67	7.75	Pass
6	2437	-8.30	-7.03	-4.61	7.75	Pass
11	2462	-9.32	-9.04	-6.17	7.75	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 6.25 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.25-6) = 7.75$ dBm/3kHz.

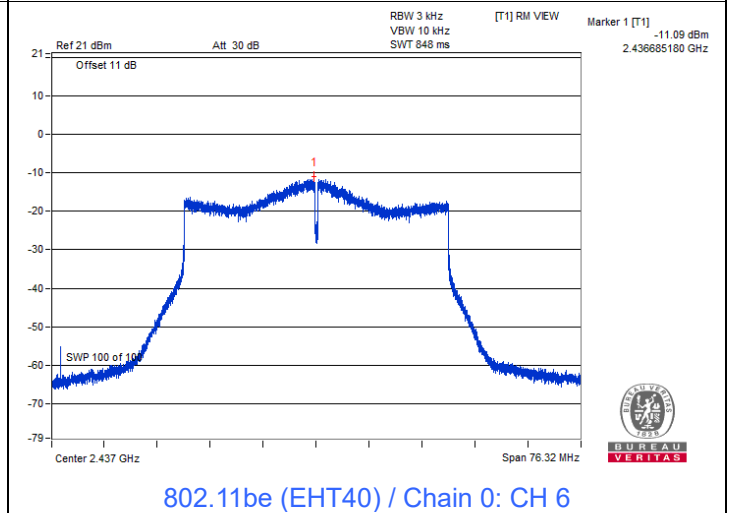
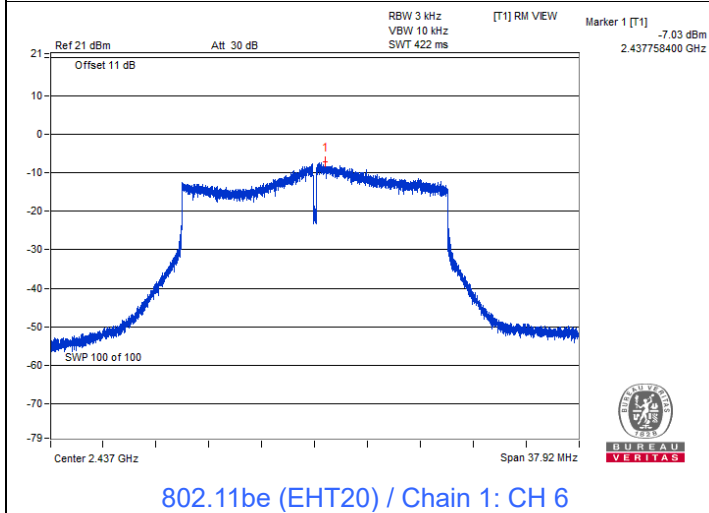
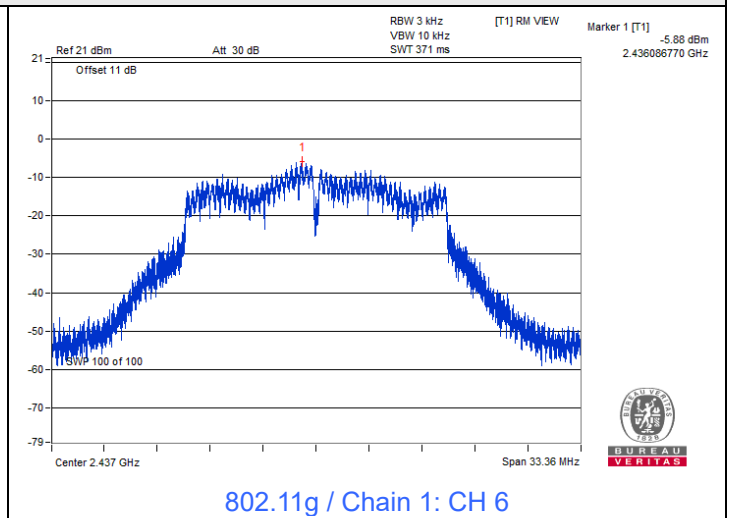
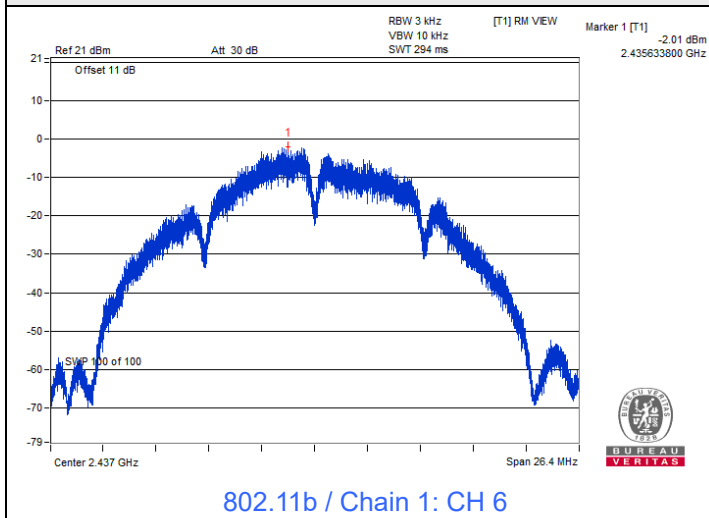
802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-13.18	-13.10	-10.13	7.75	Pass
6	2437	-11.09	-11.57	-8.31	7.75	Pass
9	2452	-14.05	-13.72	-10.87	7.75	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 6.25 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.25-6) = 7.75$ dBm/3kHz.

Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Ivan Tseng
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Mode A

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.29	8.20	0.5	Pass
6	2437	7.20	7.76	0.5	Pass
11	2462	8.70	7.27	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.10	15.89	0.5	Pass
6	2437	14.67	14.86	0.5	Pass
11	2462	14.82	15.80	0.5	Pass

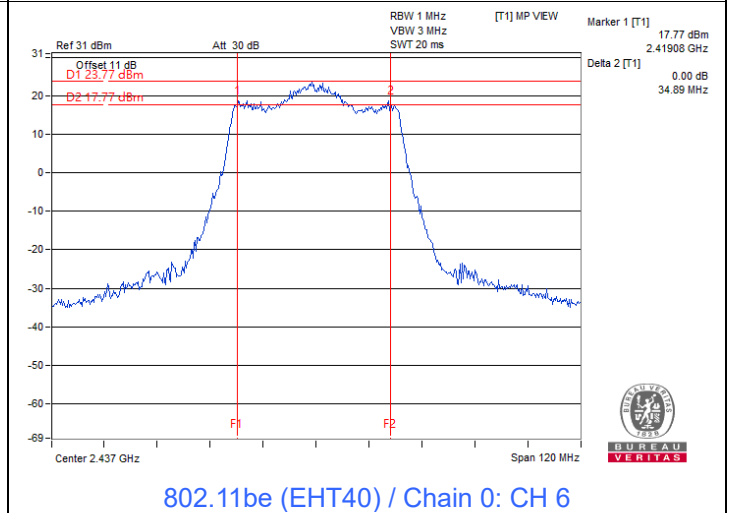
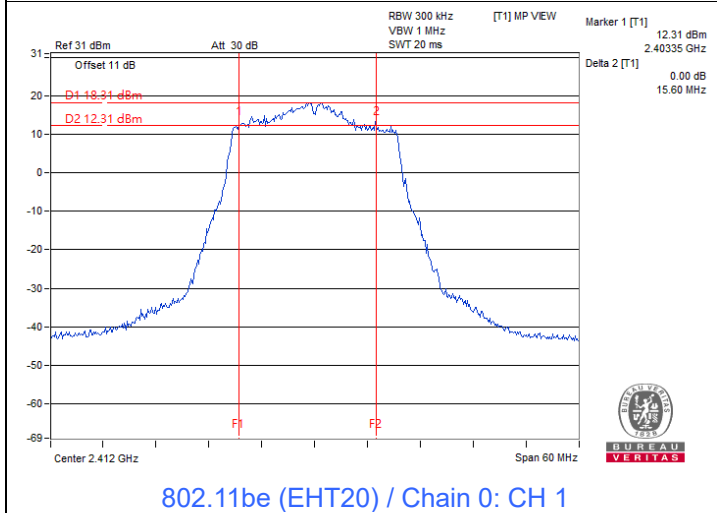
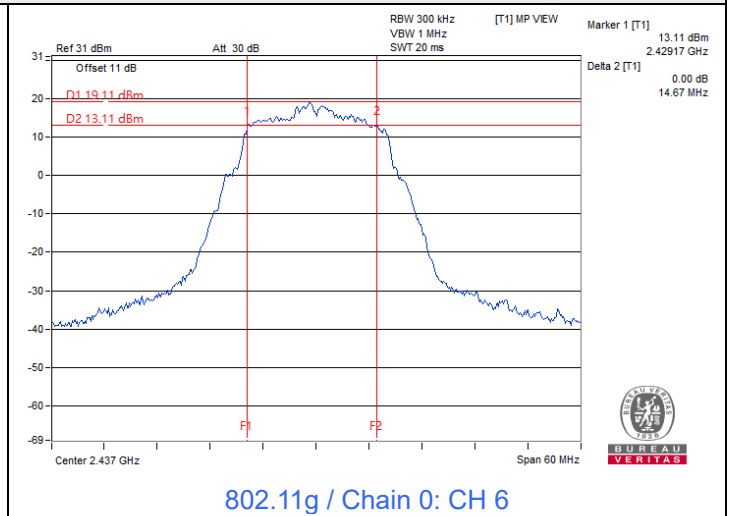
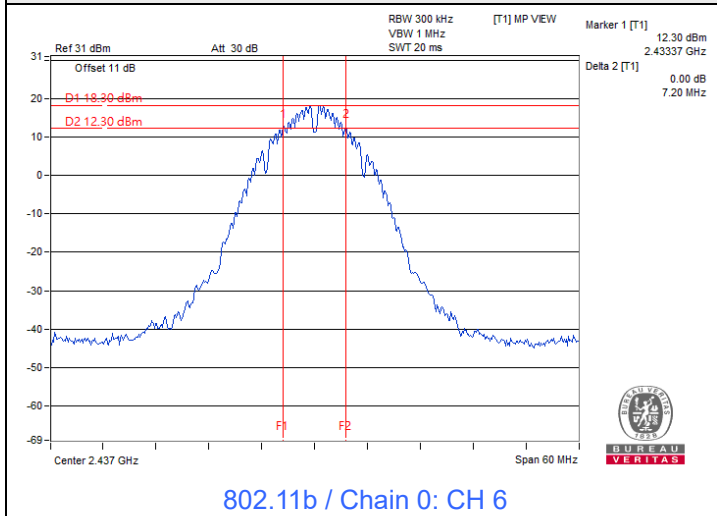
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	15.60	18.80	0.5	Pass
6	2437	19.01	18.68	0.5	Pass
11	2462	18.97	18.74	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	35.55	37.40	0.5	Pass
6	2437	34.89	37.50	0.5	Pass
9	2452	35.09	36.85	0.5	Pass

Spectrum Plot of Minimum Value



Mode B

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	8.27	7.17	0.5	Pass
6	2437	8.33	7.73	0.5	Pass
11	2462	8.70	7.27	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.07	12.88	0.5	Pass
6	2437	16.10	15.17	0.5	Pass
11	2462	15.99	15.26	0.5	Pass

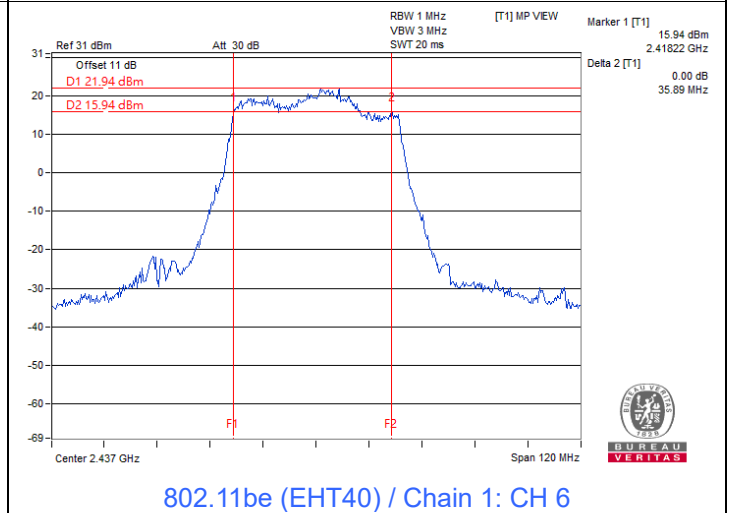
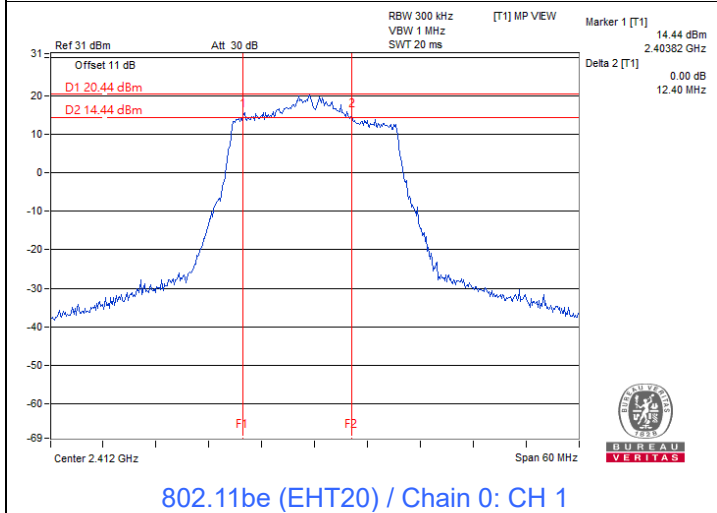
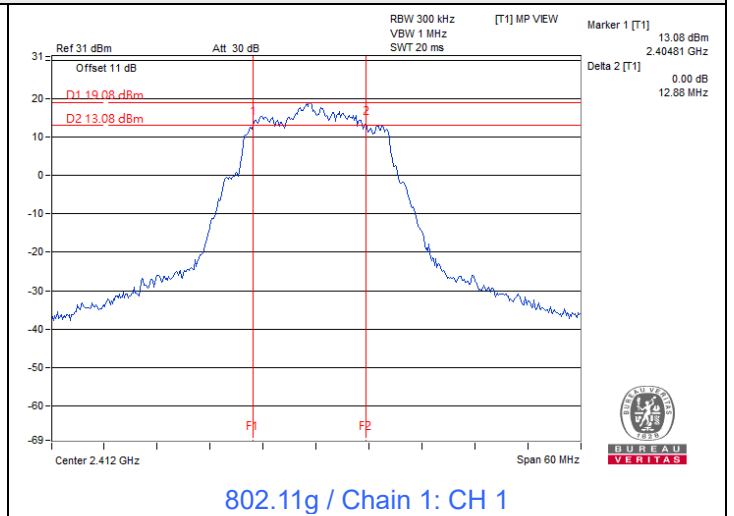
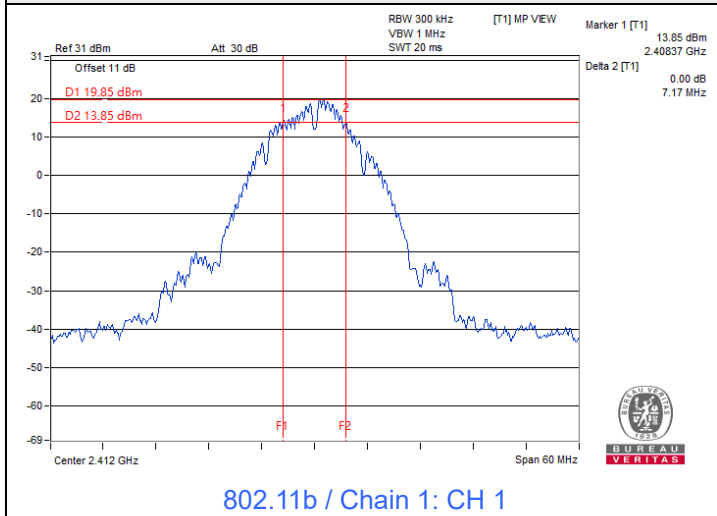
802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	12.40	18.91	0.5	Pass
6	2437	18.94	18.49	0.5	Pass
11	2462	18.98	18.87	0.5	Pass

802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	36.37	36.03	0.5	Pass
6	2437	37.17	35.89	0.5	Pass
9	2452	37.16	37.12	0.5	Pass

Spectrum Plot of Minimum Value

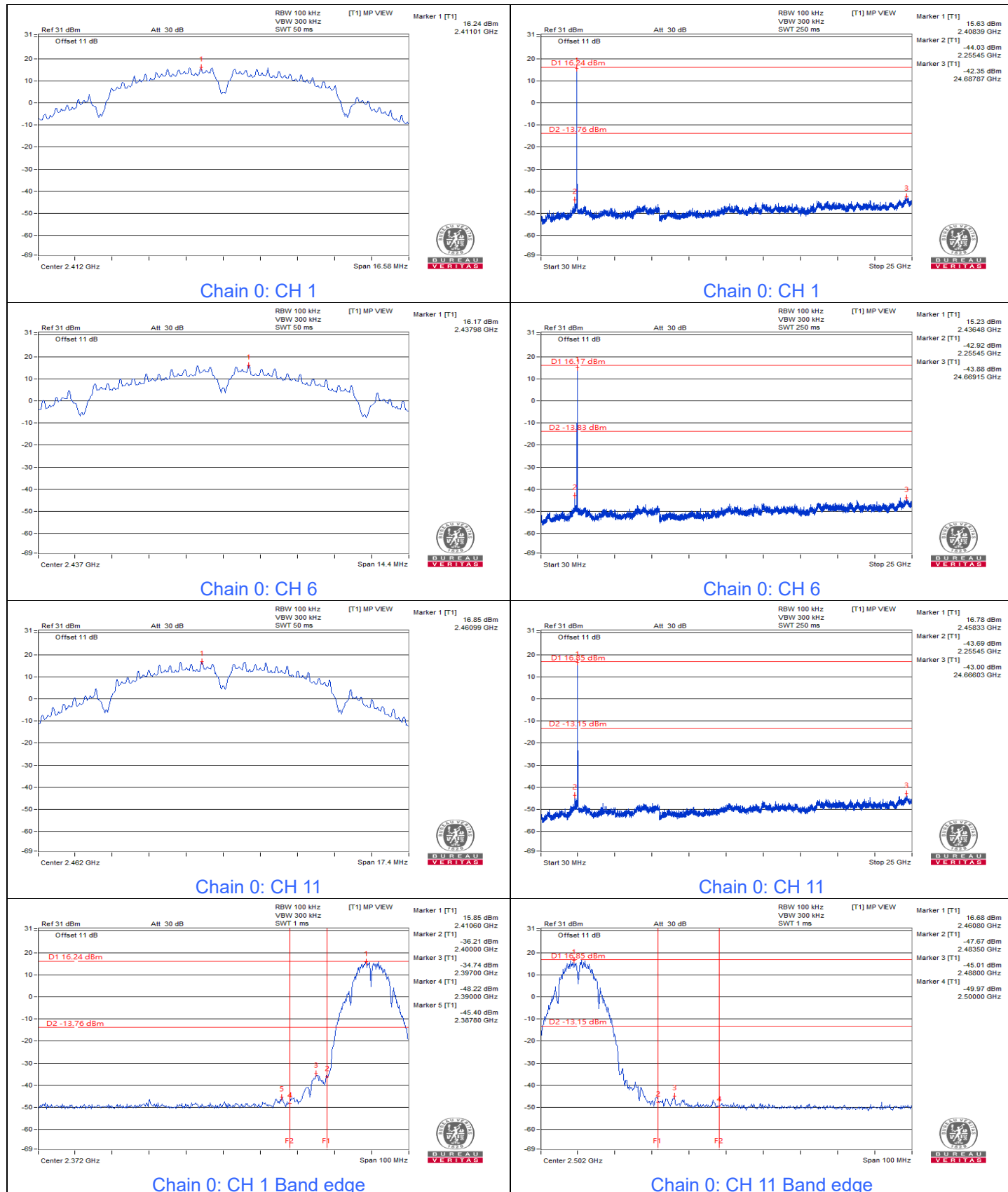


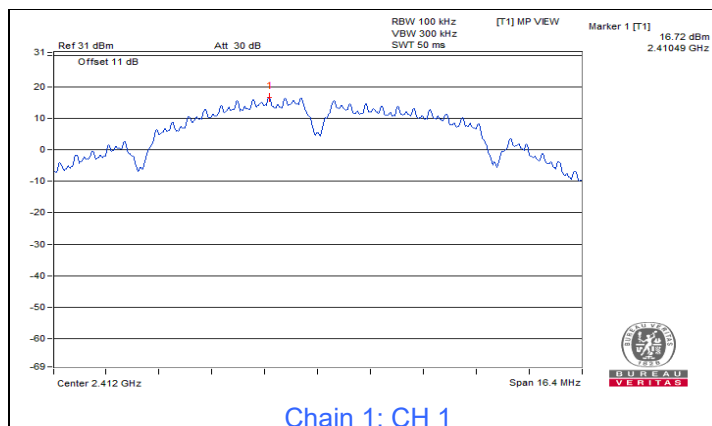
7.4 Conducted Out of Band Emissions

Environmental Conditions:	25°C, 60% RH	Tested By:	Ivan Tseng
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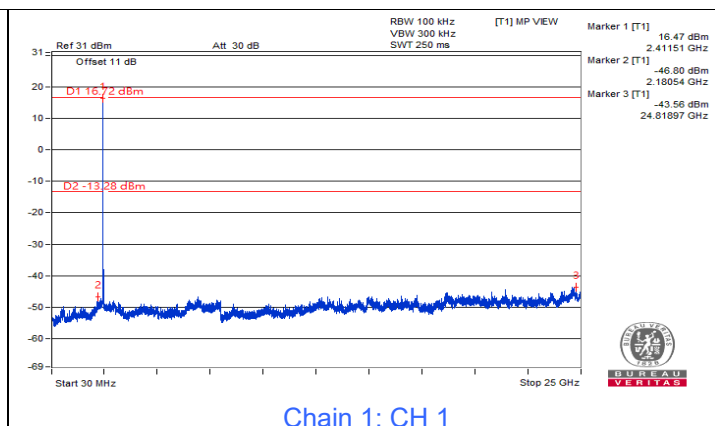
Mode A

802.11b





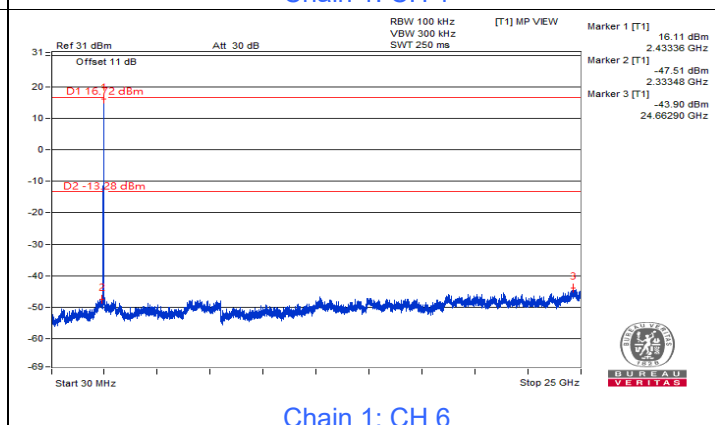
Chain 1: CH 1



Chain 1: CH 1



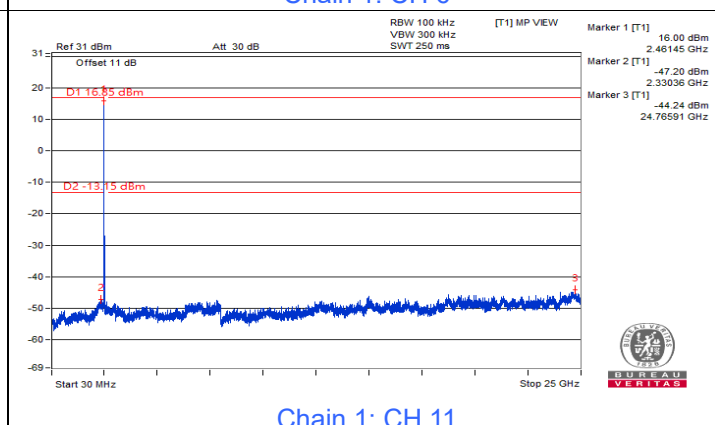
Chain 1: CH 6



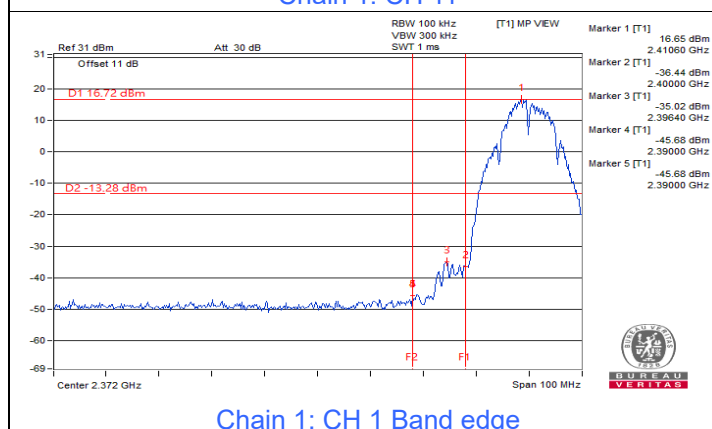
Chain 1: CH 6



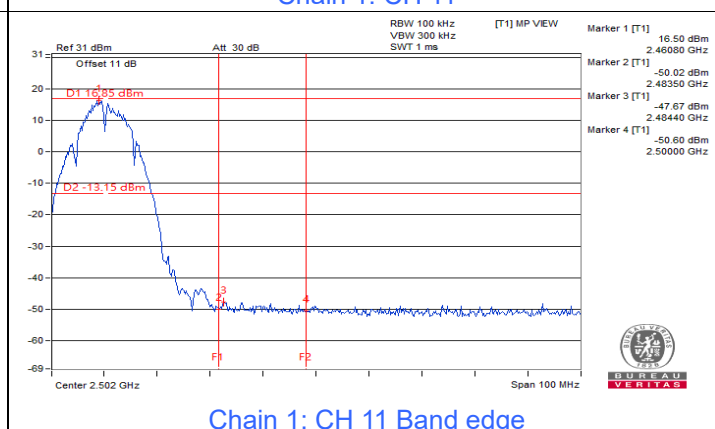
Chain 1: CH 11



Chain 1: CH 11

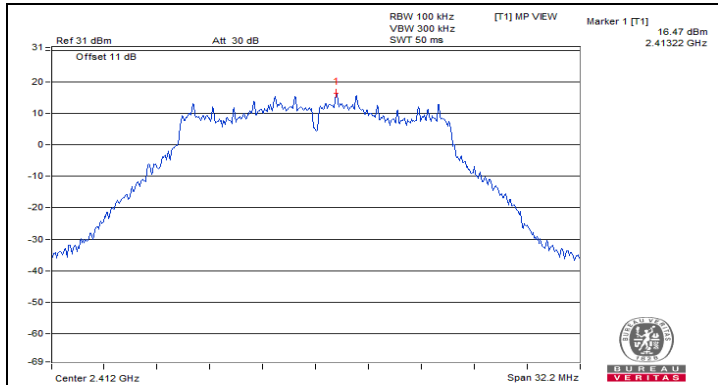


Chain 1: CH 1 Band edge

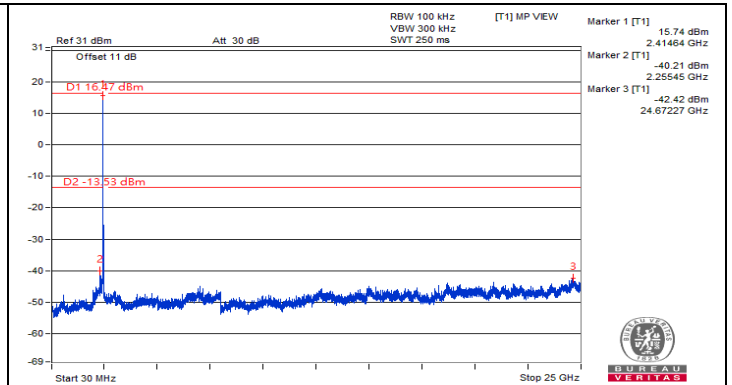


Chain 1: CH 11 Band edge

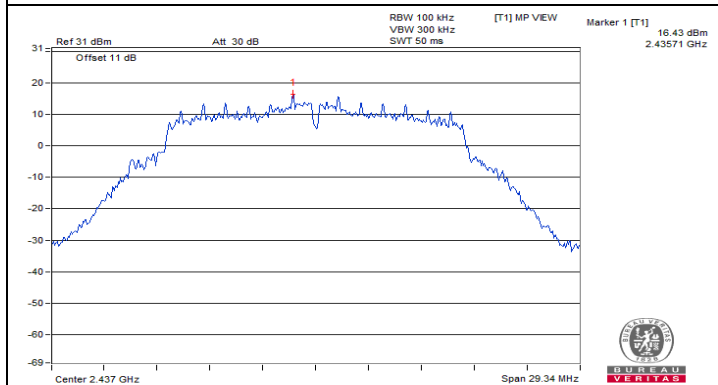
802.11g



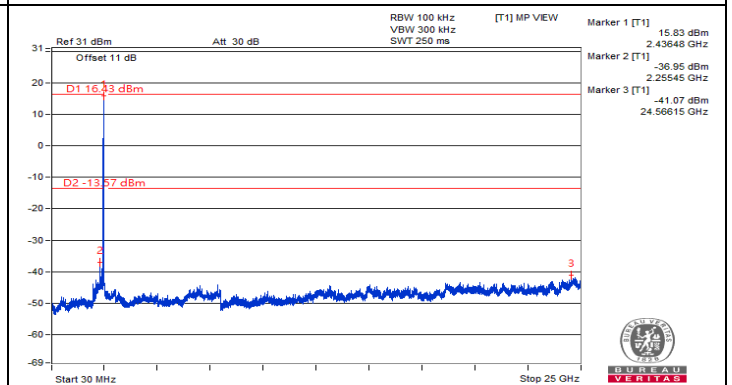
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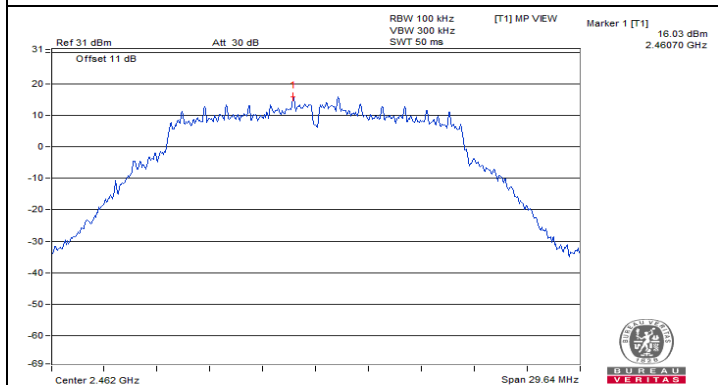
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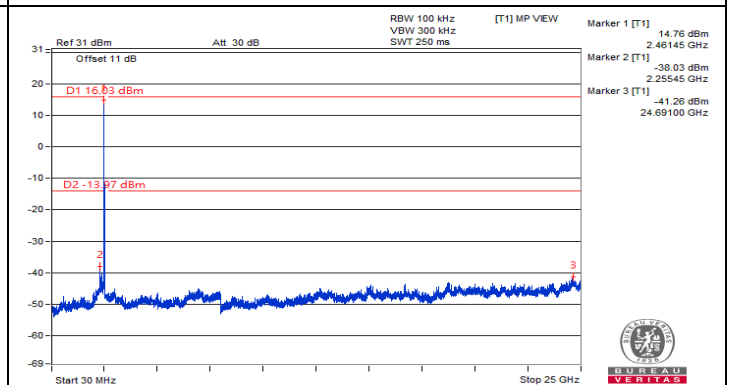
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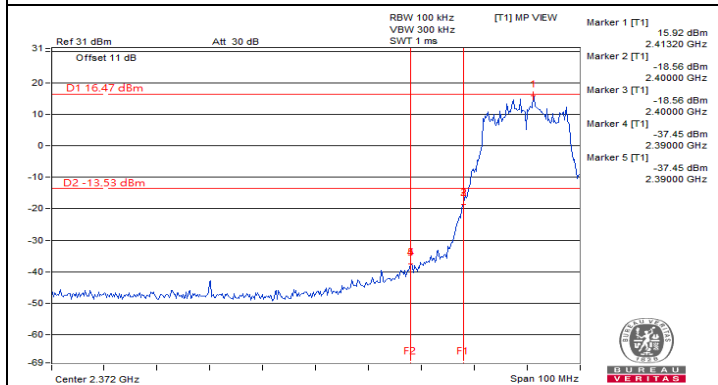
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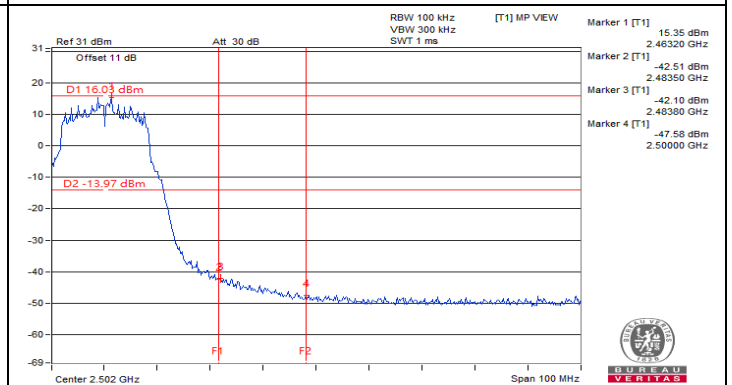
Chain 0: CH 11



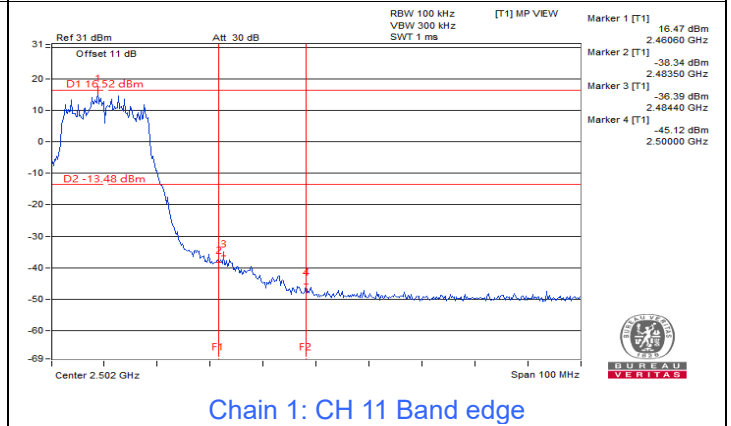
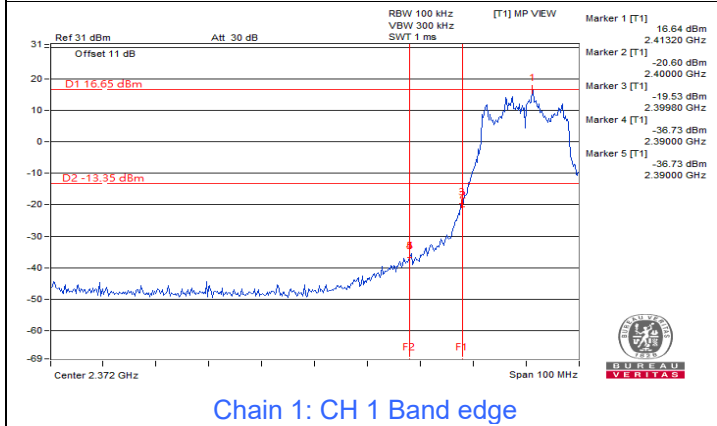
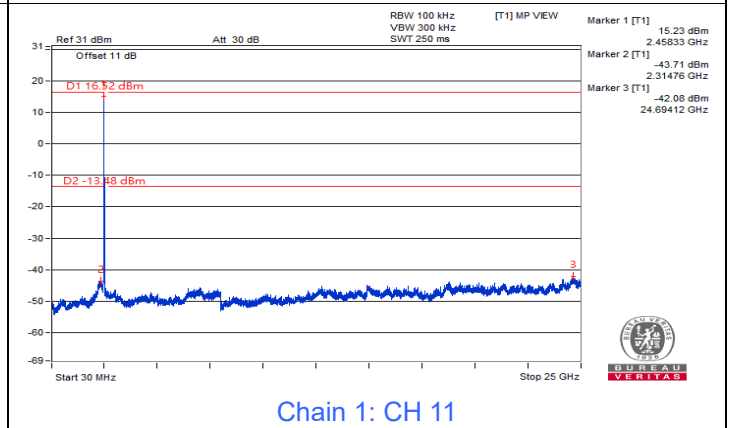
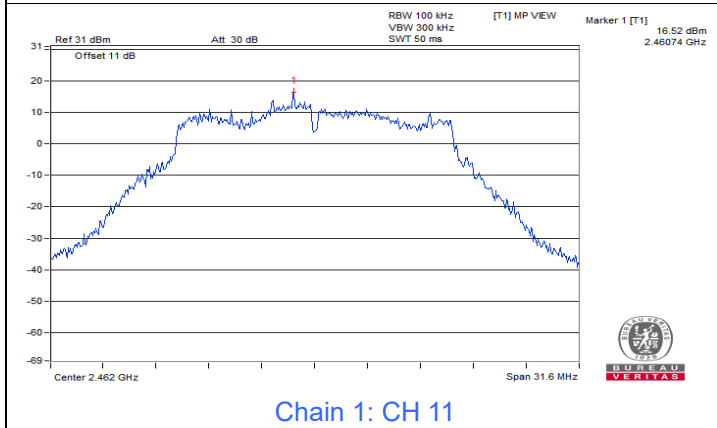
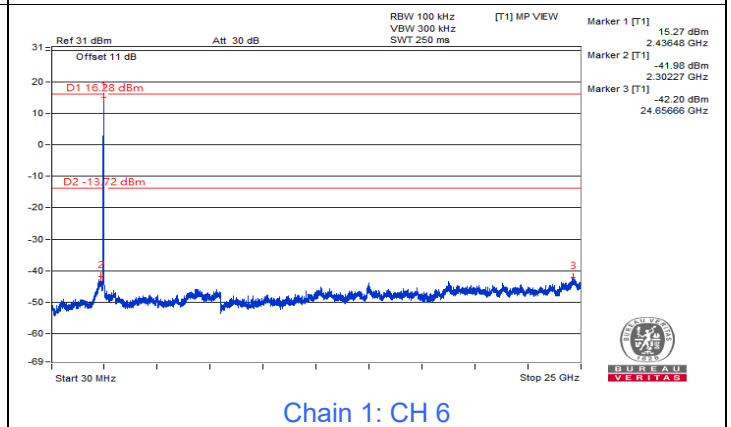
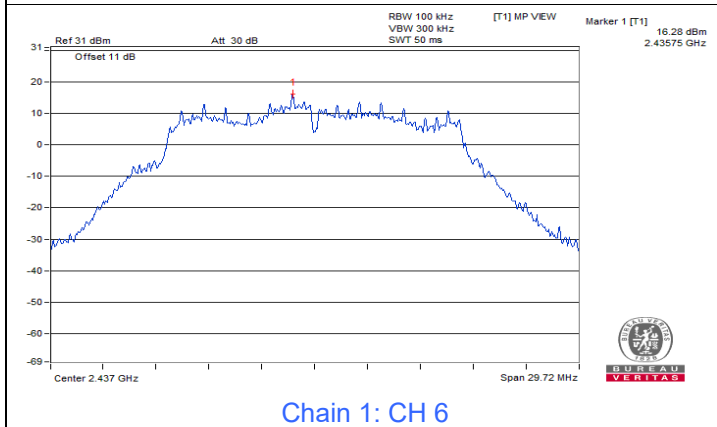
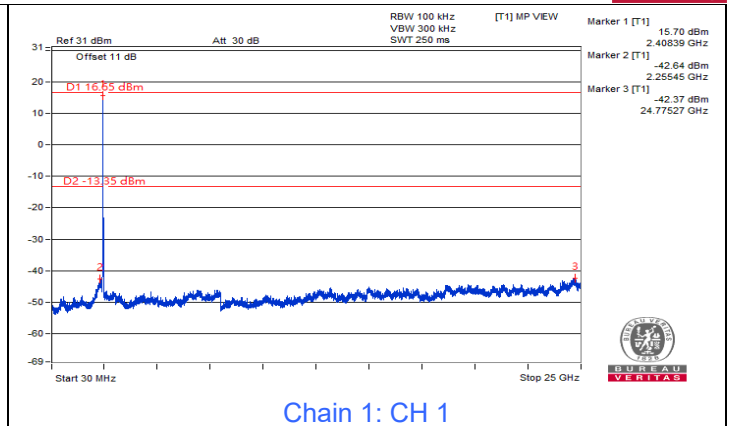
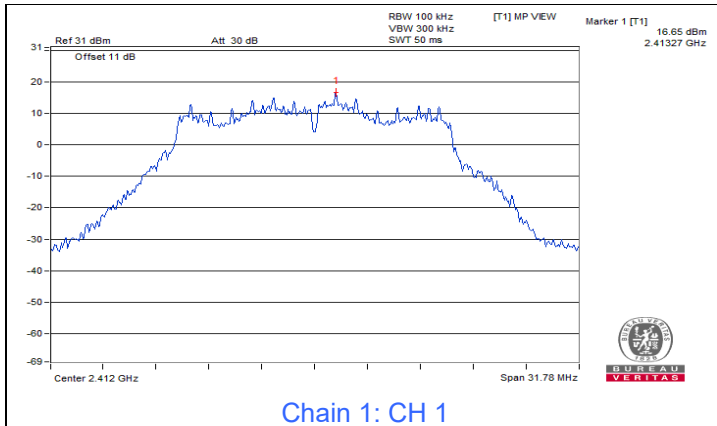
Chain 0: CH 11



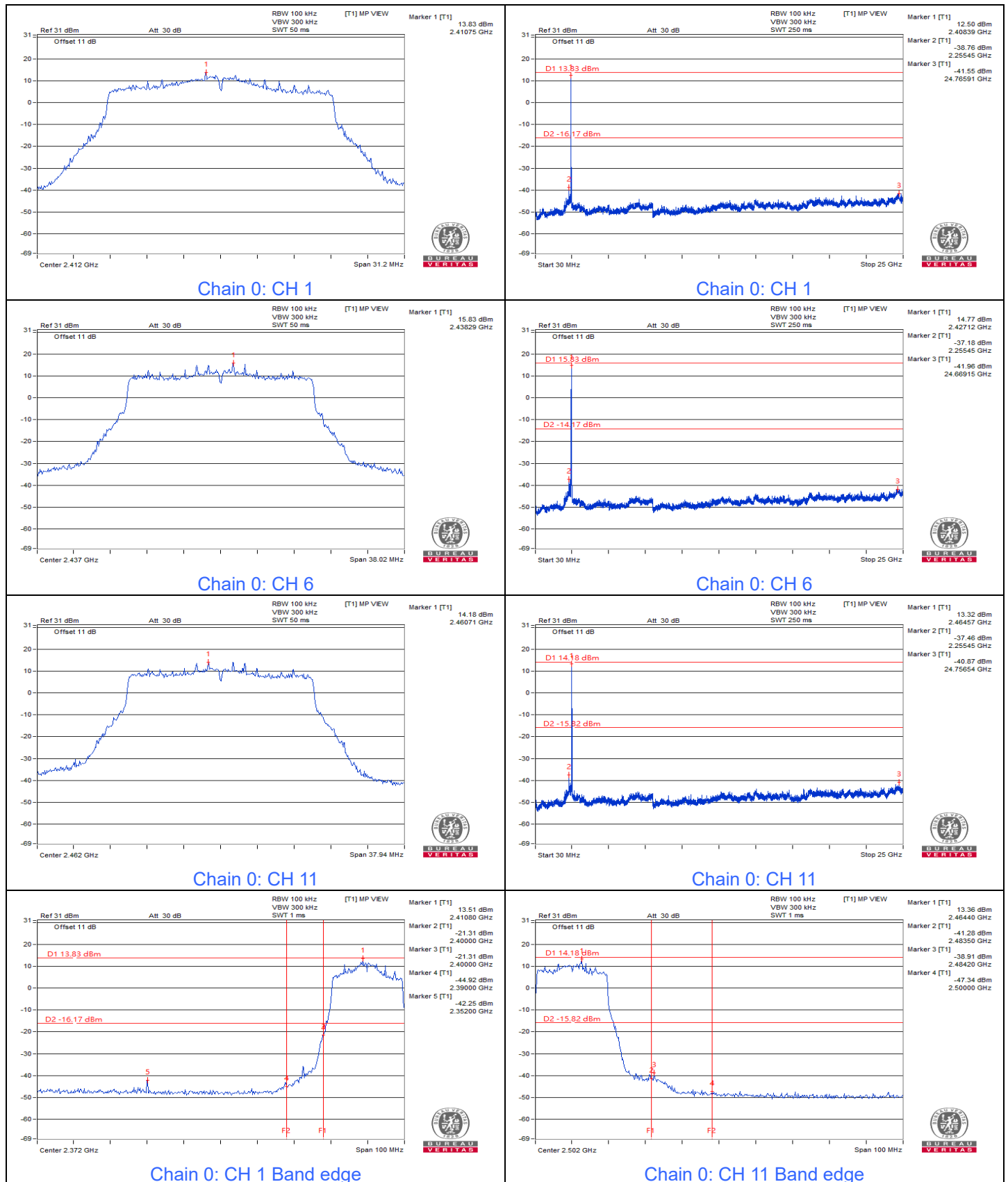
Chain 0: CH 1 Band edge

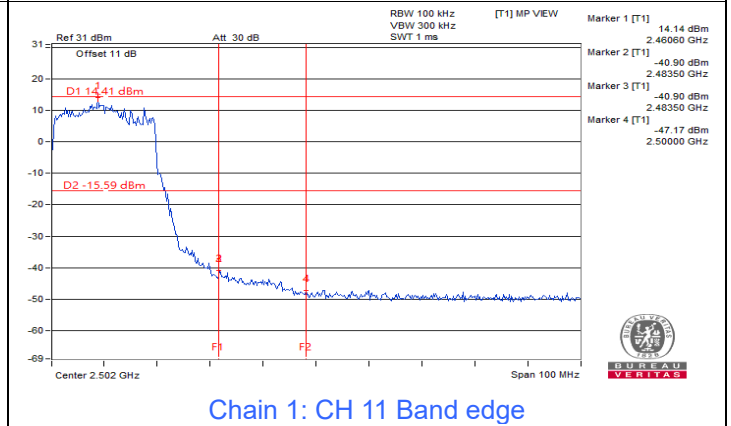
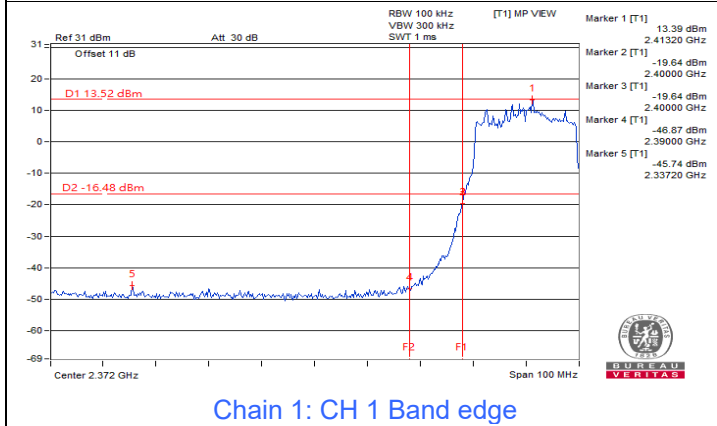
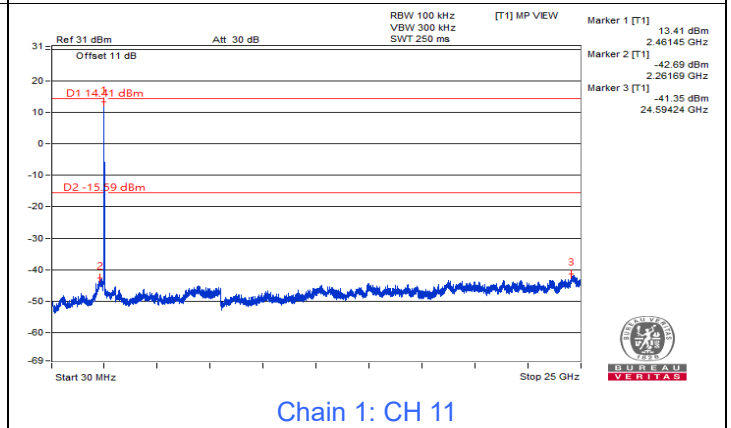
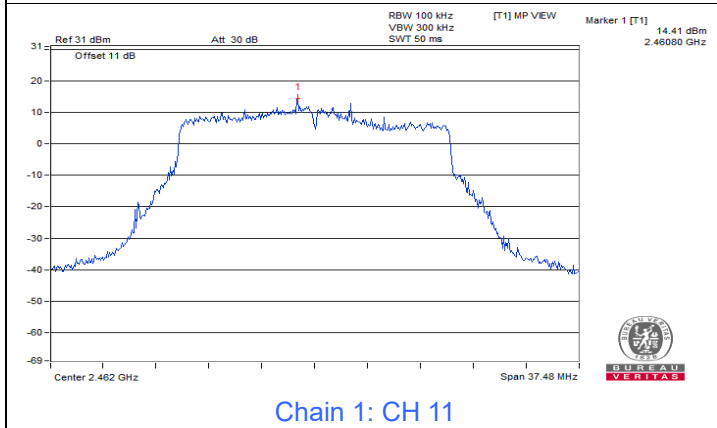
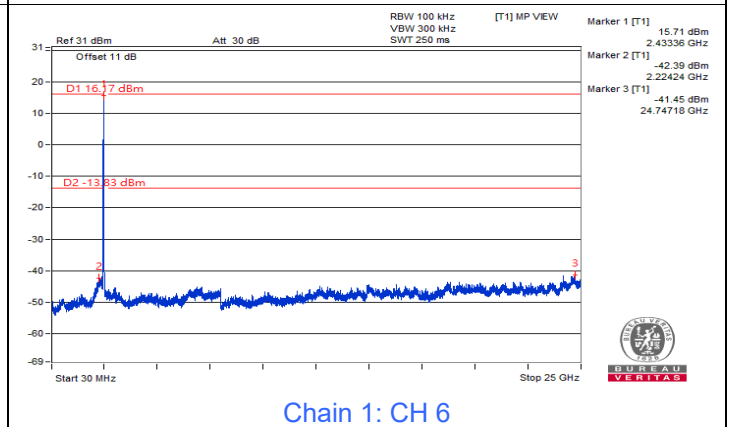
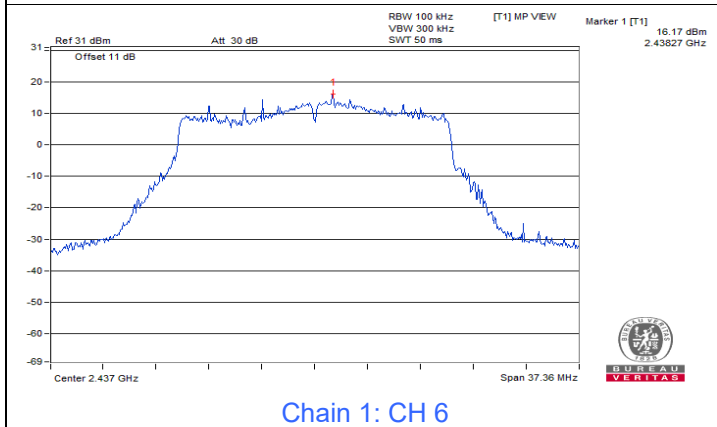
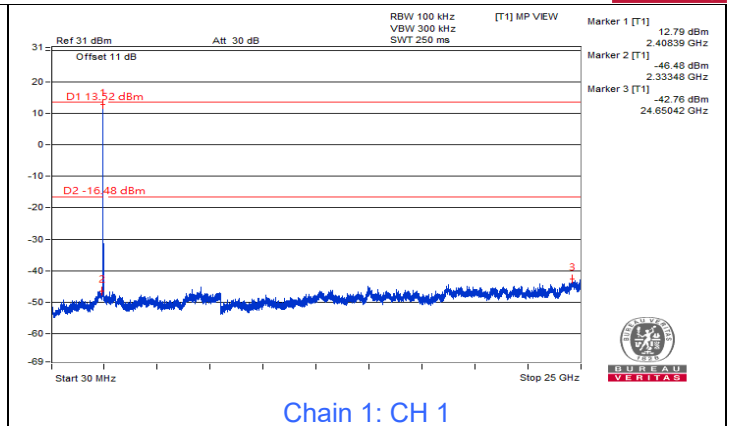
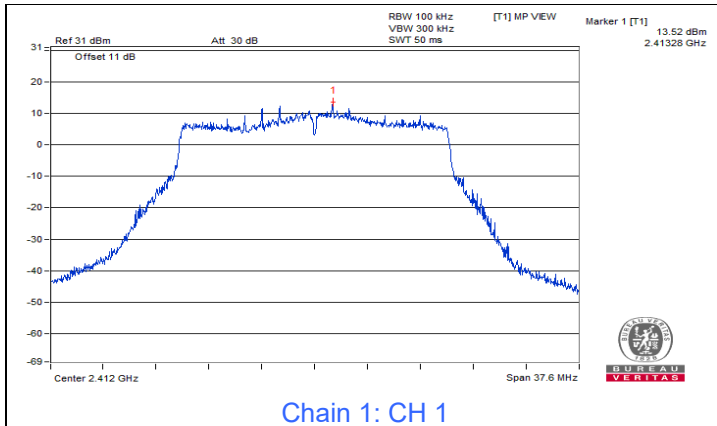


Chain 0: CH 11 Band edge

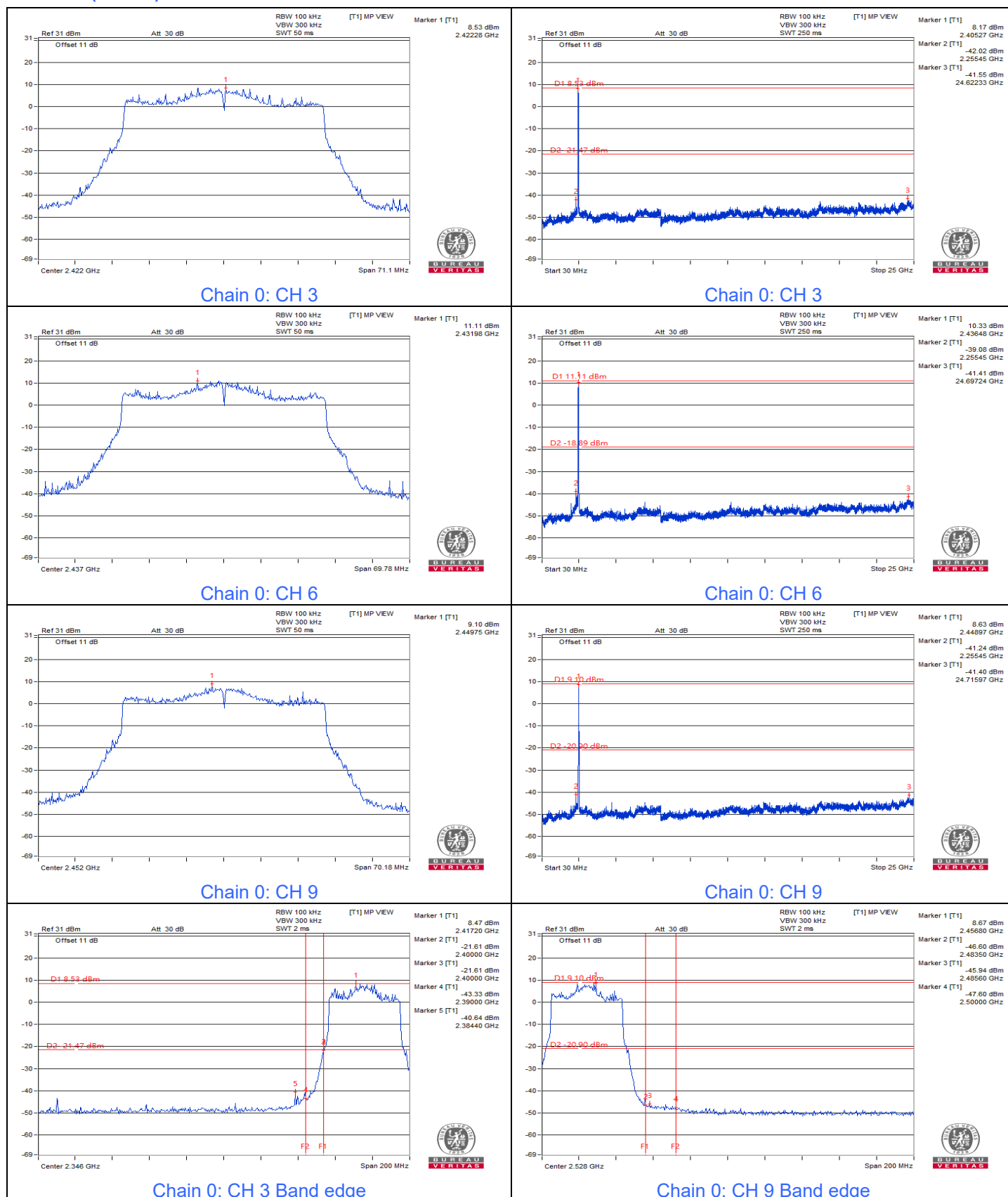


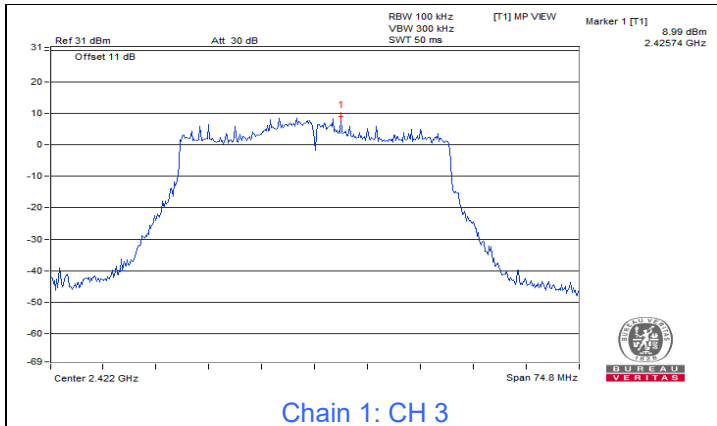
802.11be (EHT20)



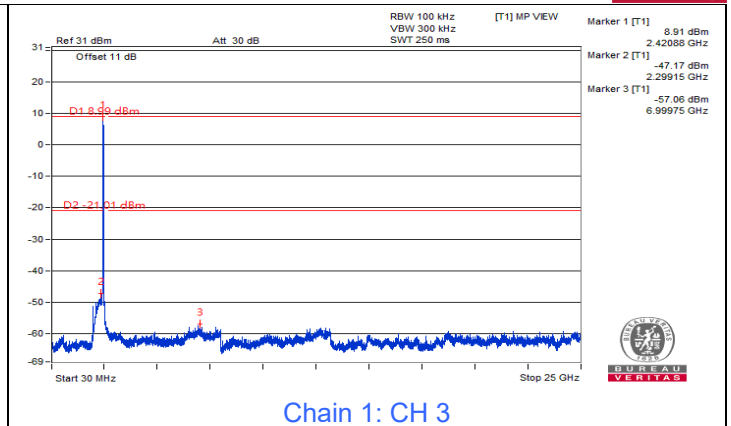


802.11be (EHT40)

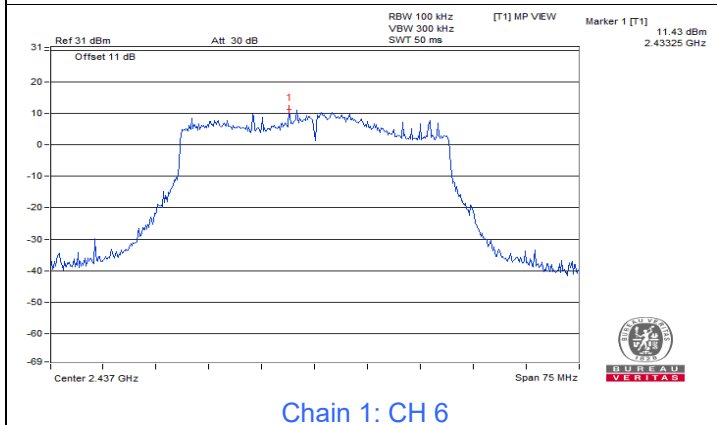




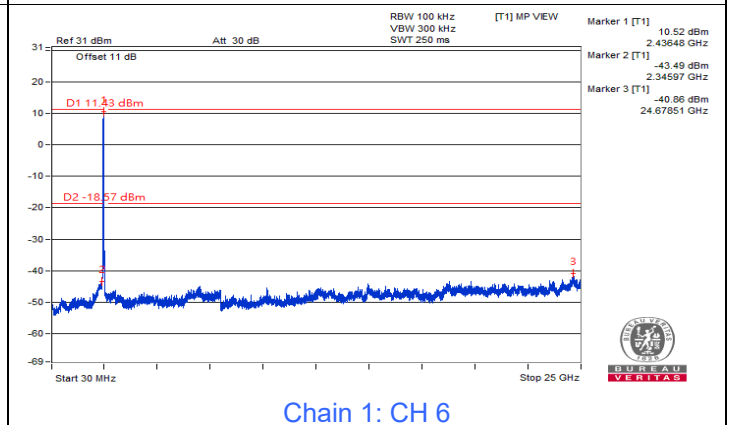
Chain 1: CH 3



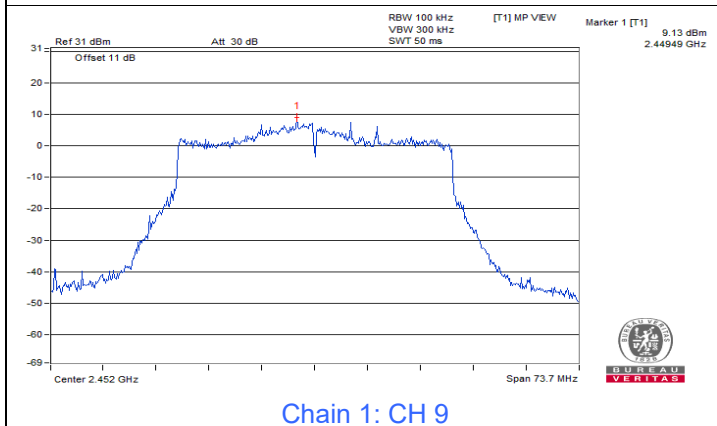
Chain 1: CH 3



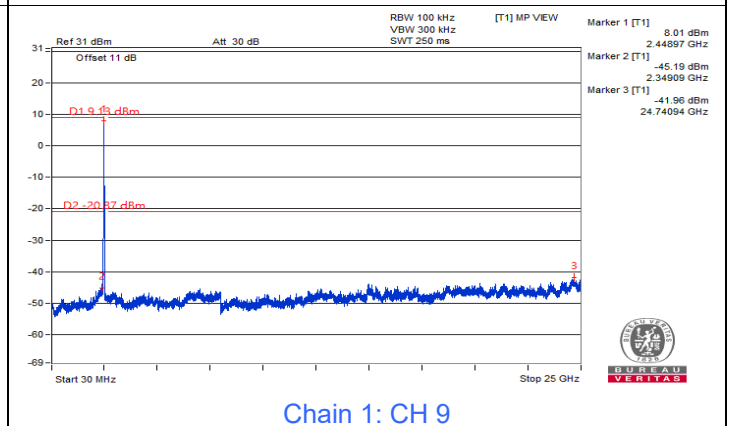
Chain 1: CH 6



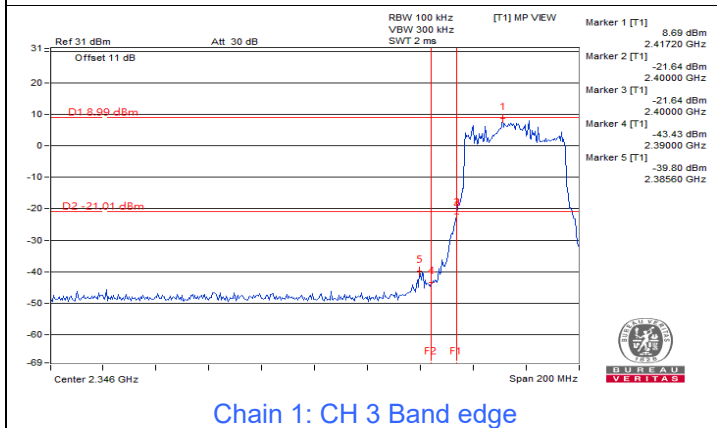
Chain 1: CH 6



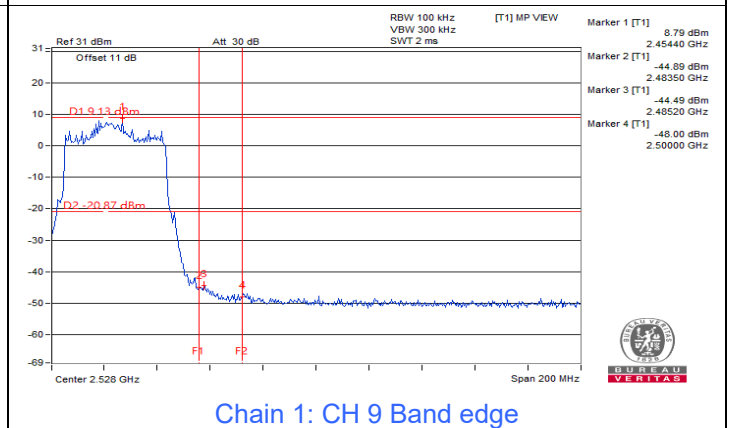
Chain 1: CH 9



Chain 1: CH 9



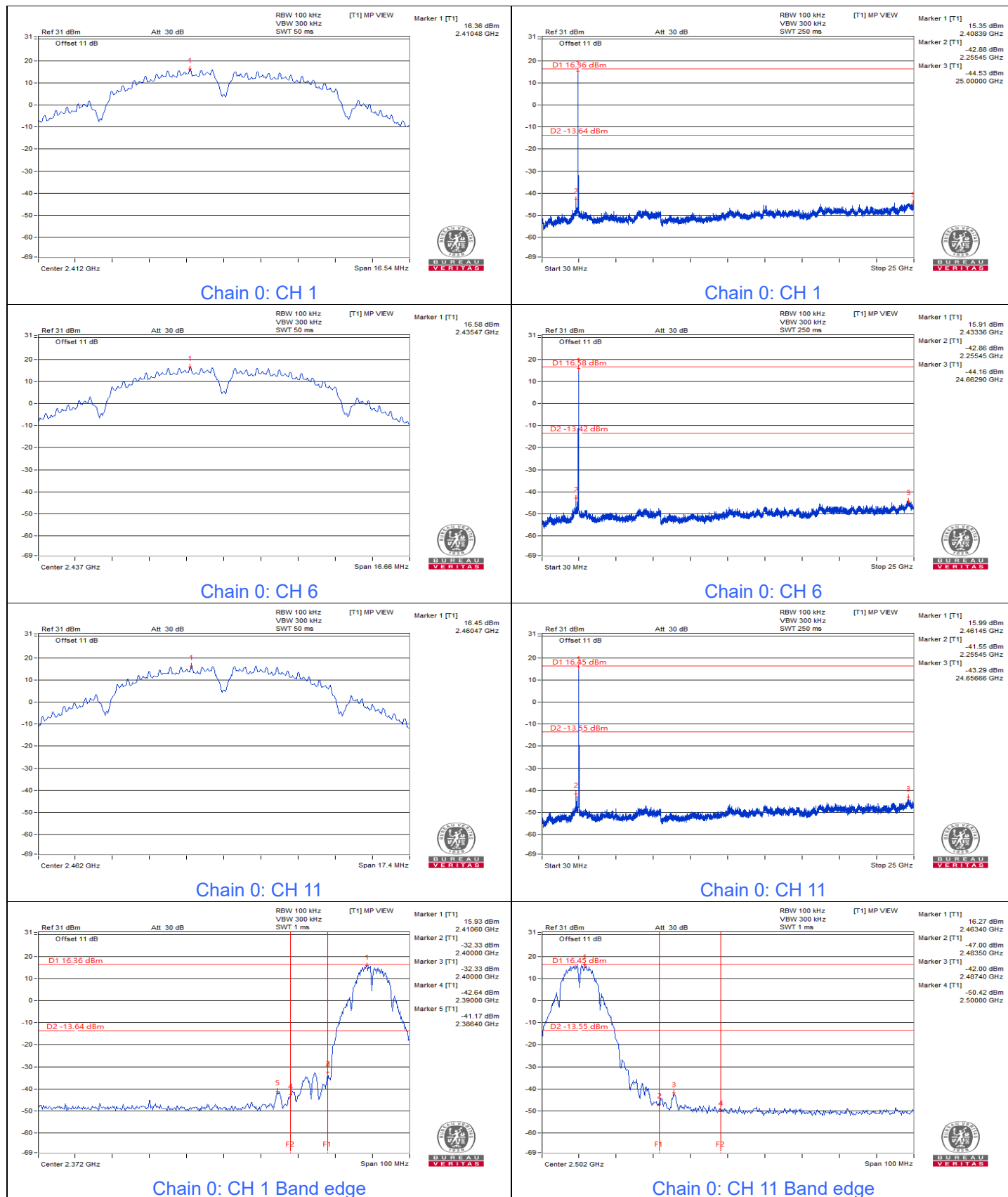
Chain 1: CH 3 Band edge

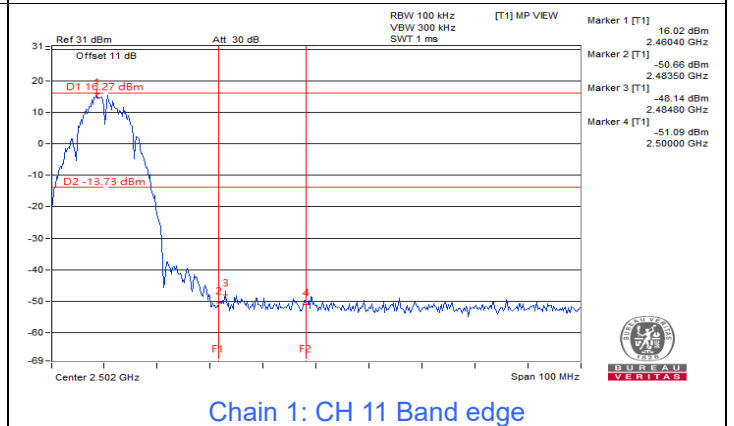
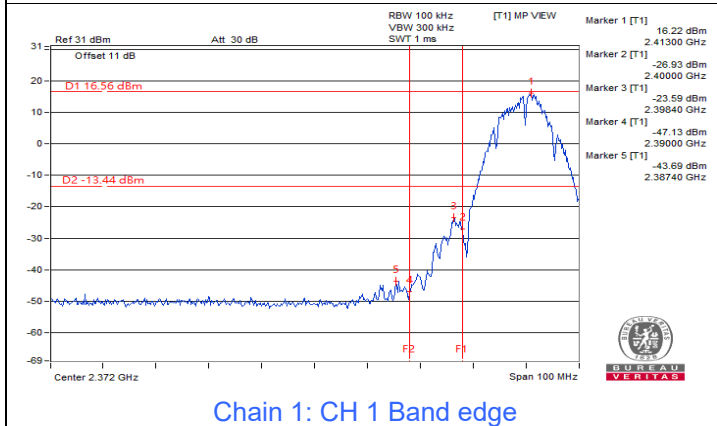
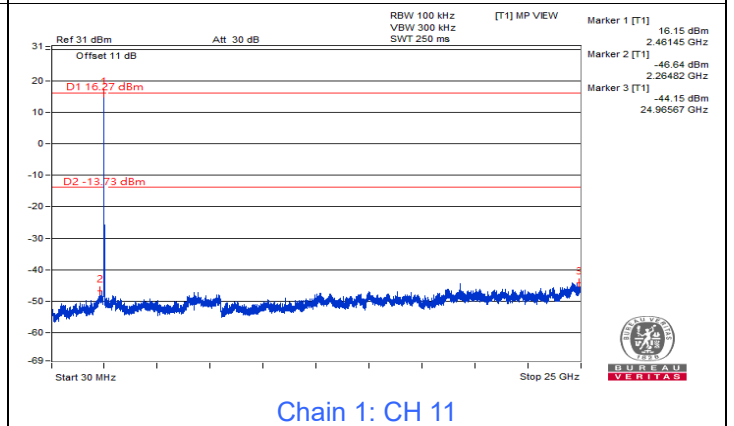
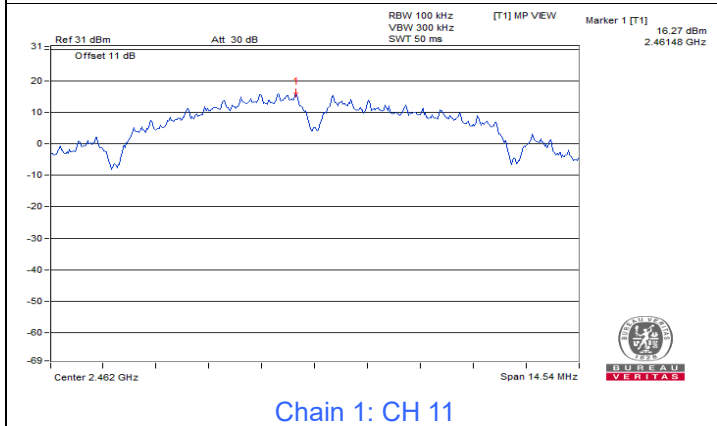
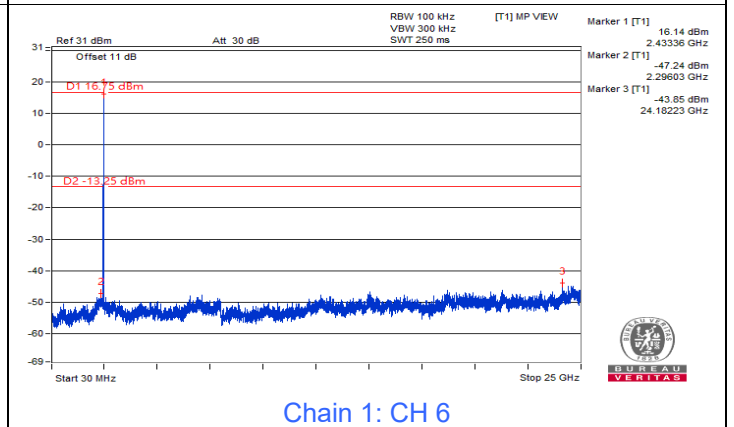
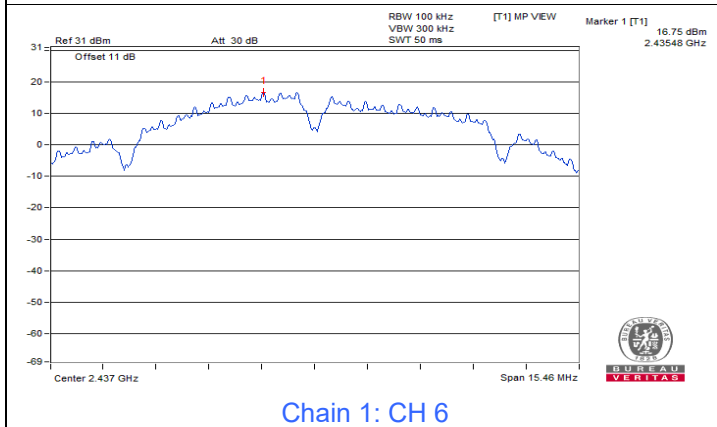
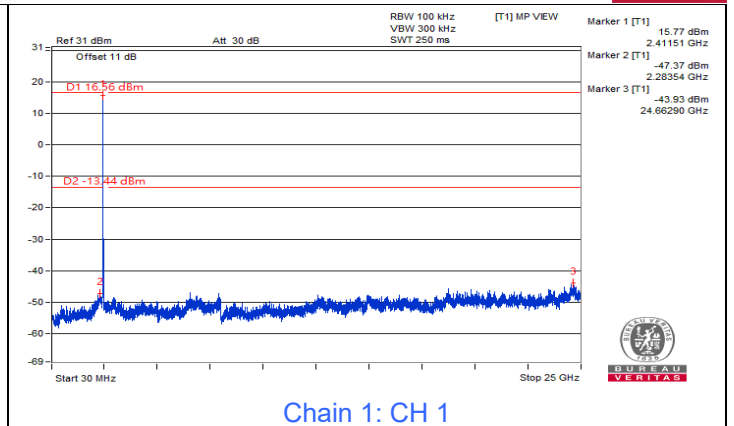
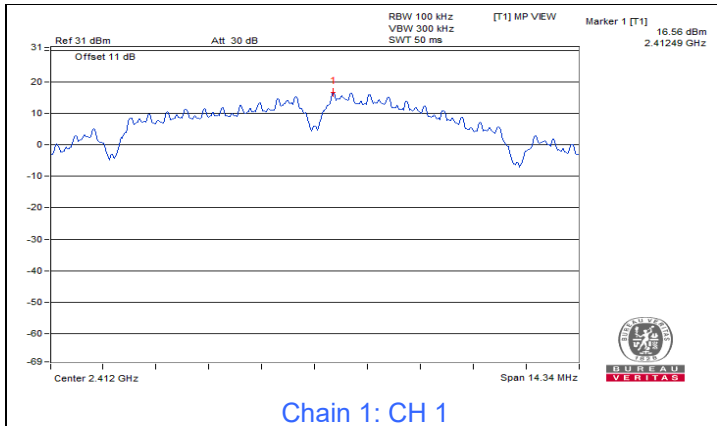


Chain 1: CH 9 Band edge

Mode B

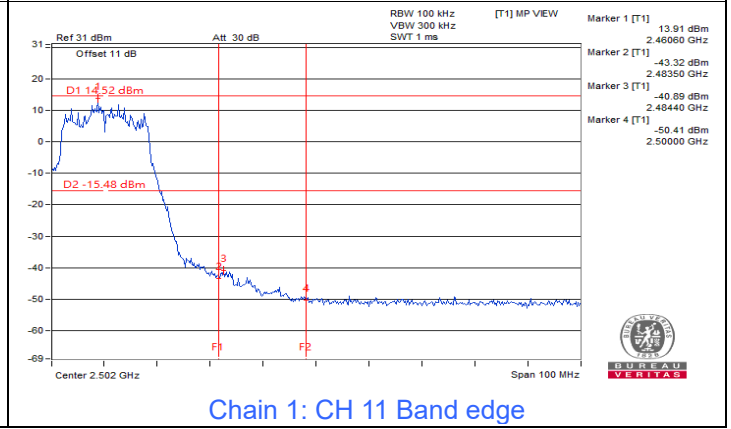
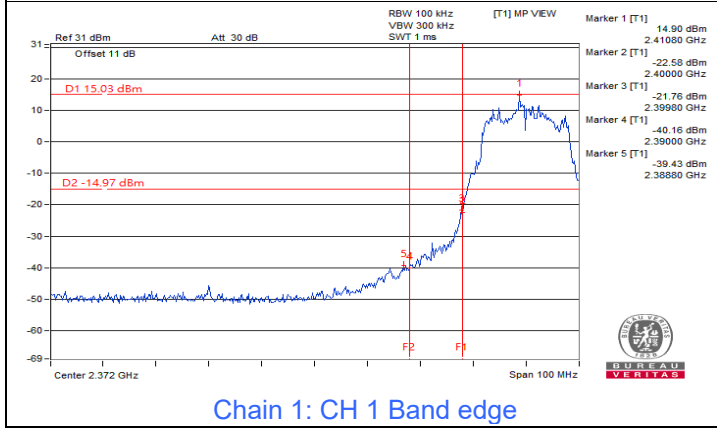
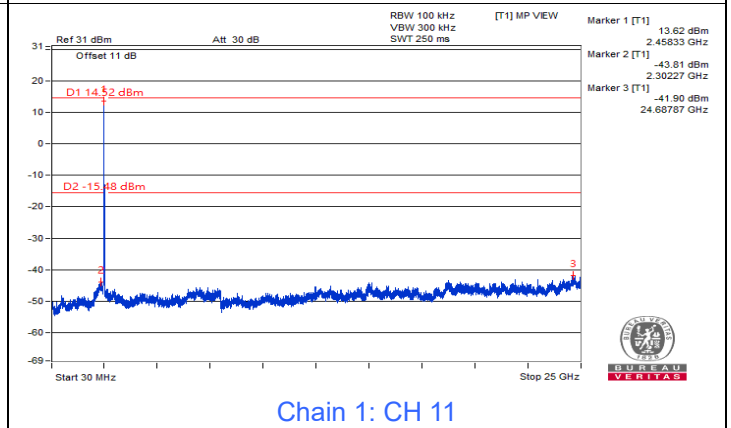
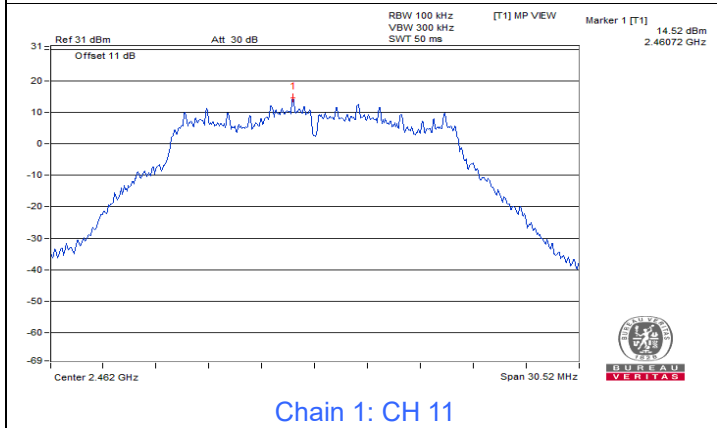
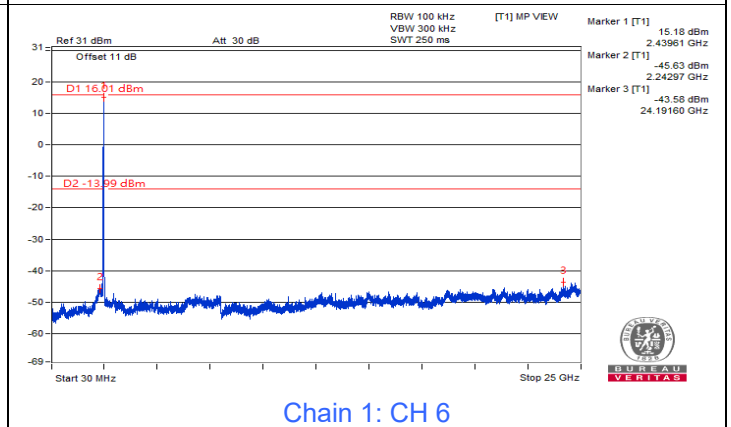
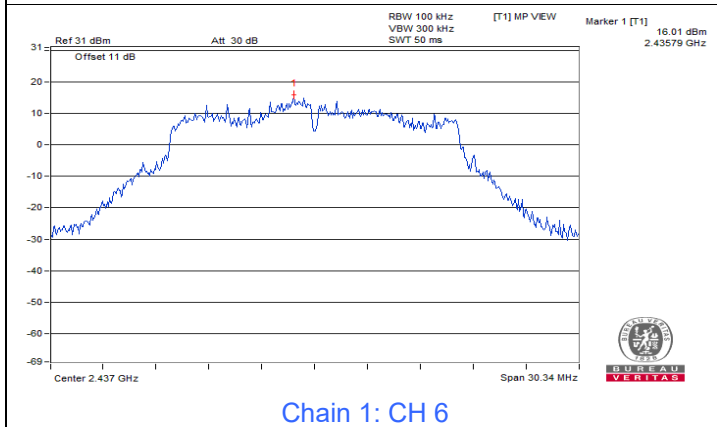
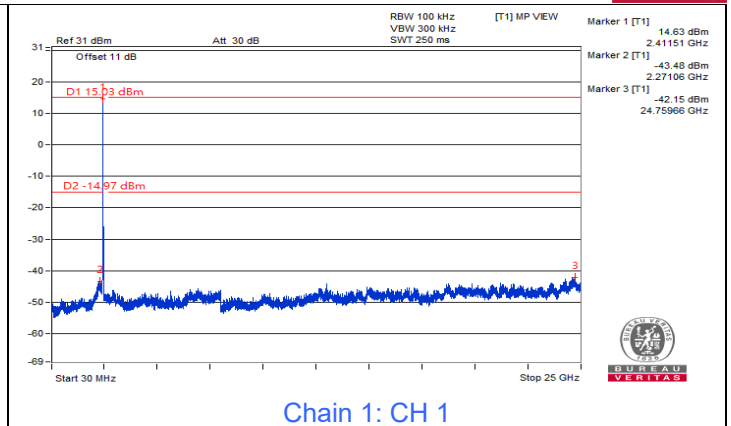
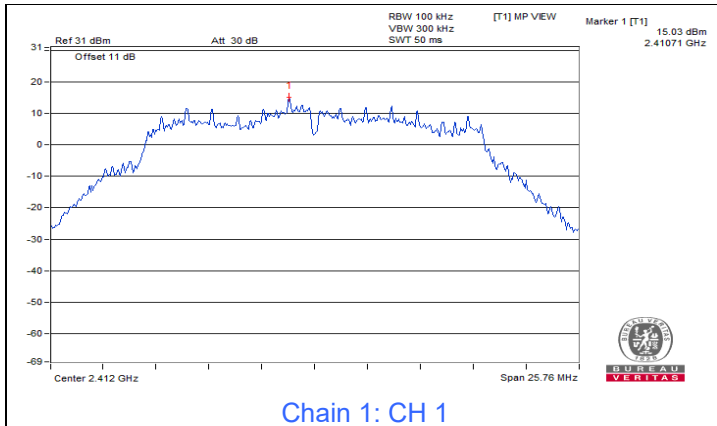
802.11b



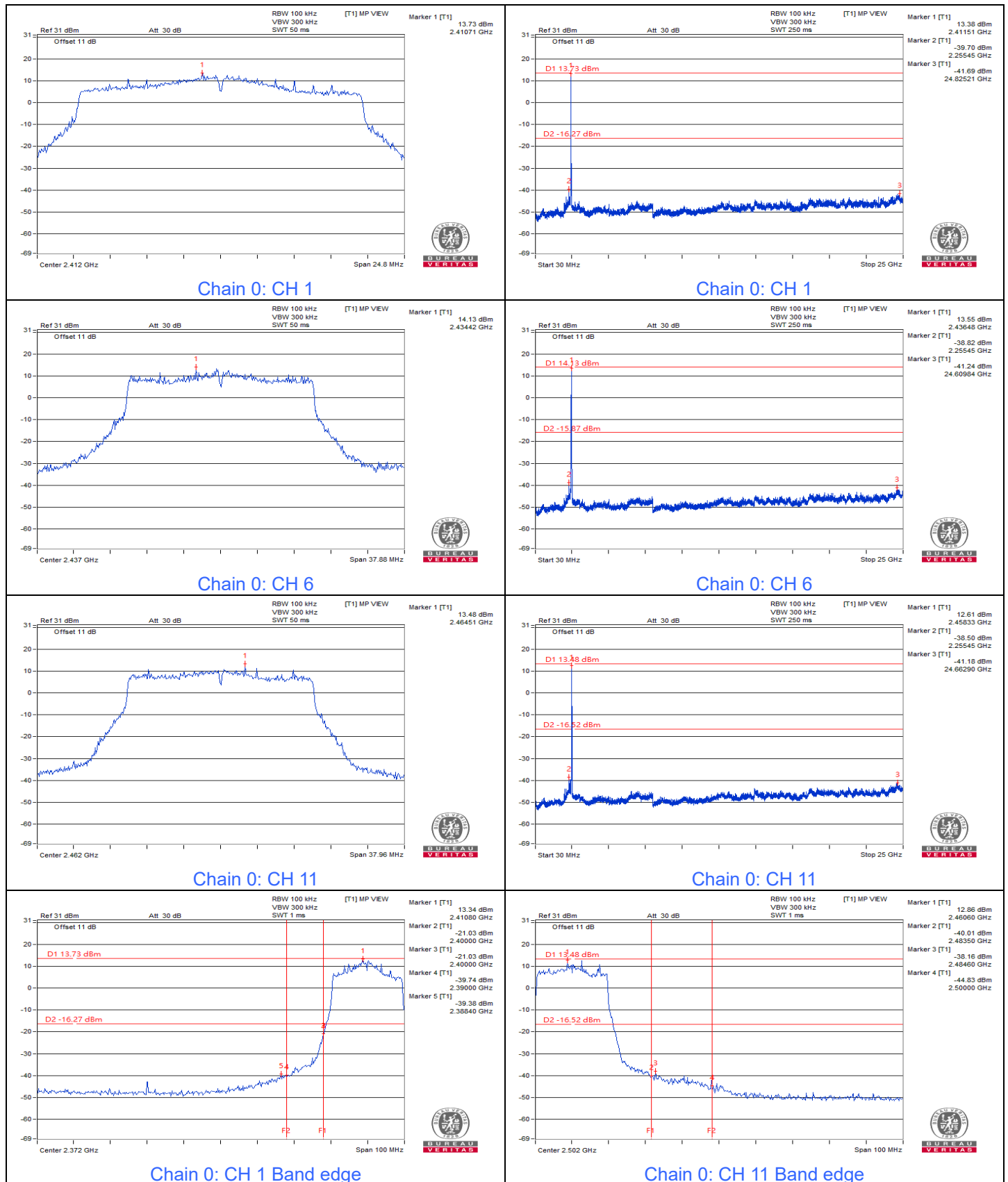


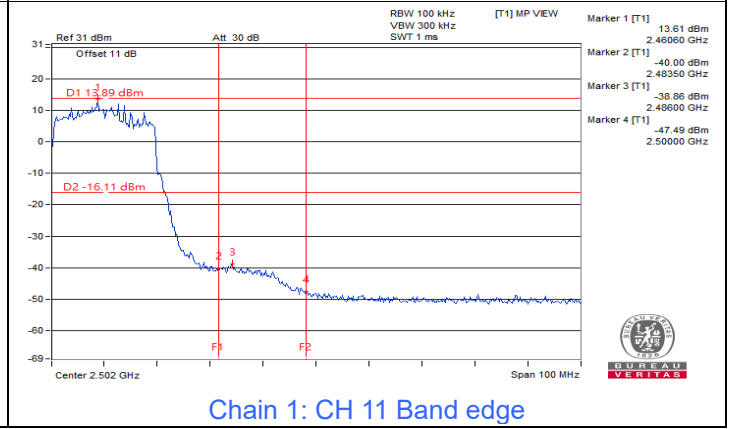
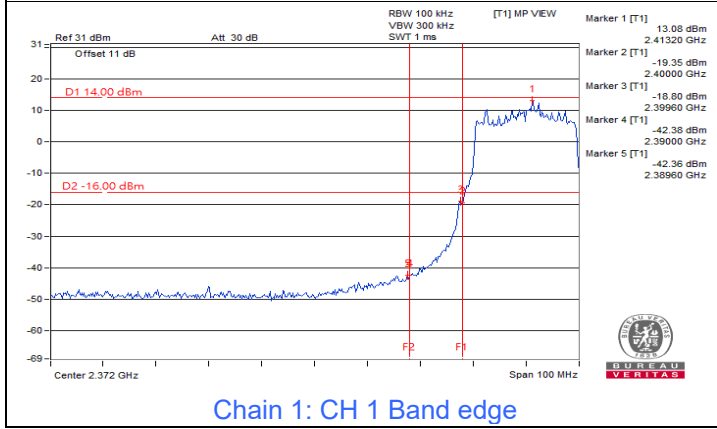
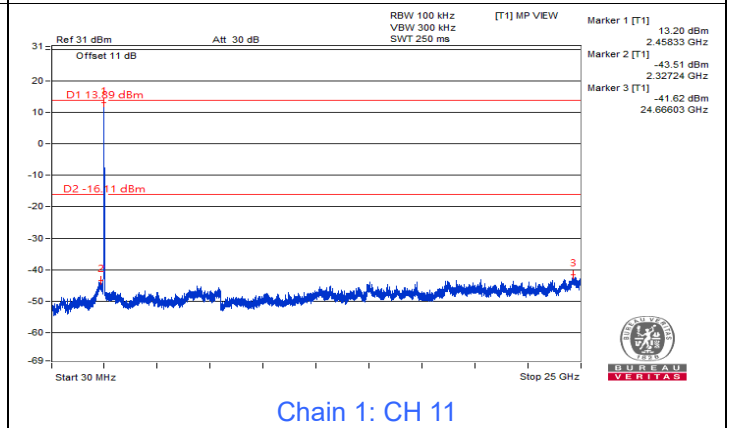
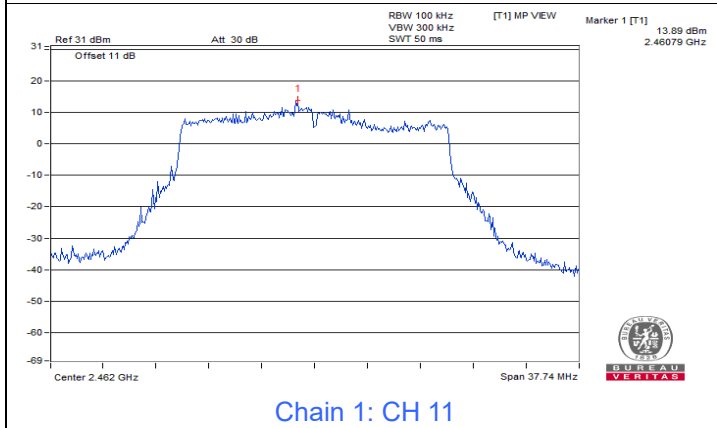
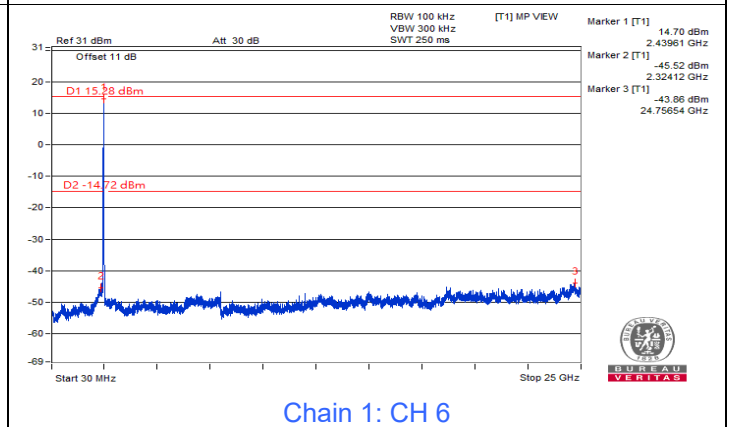
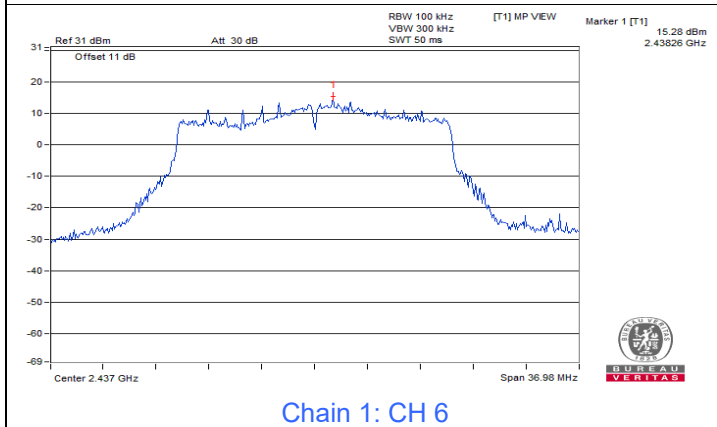
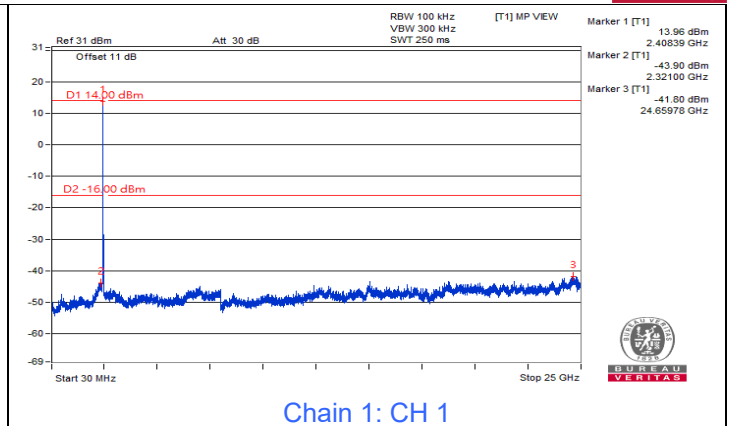
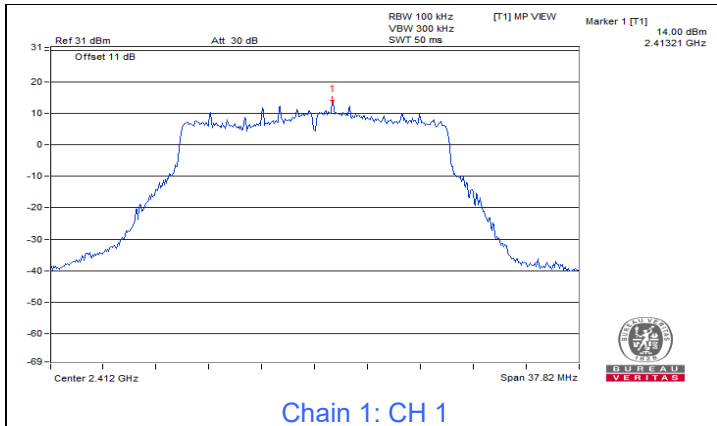
802.11g



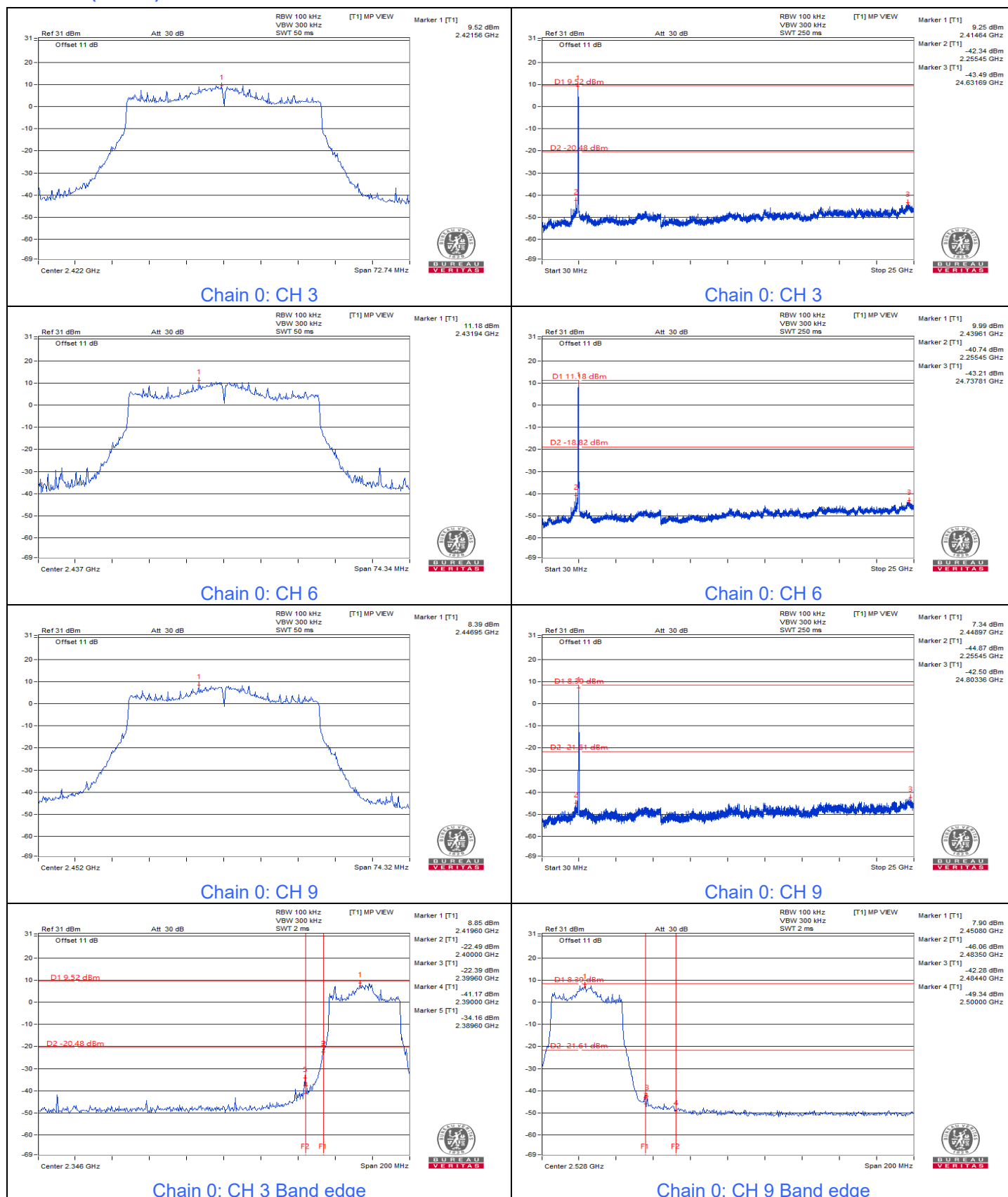


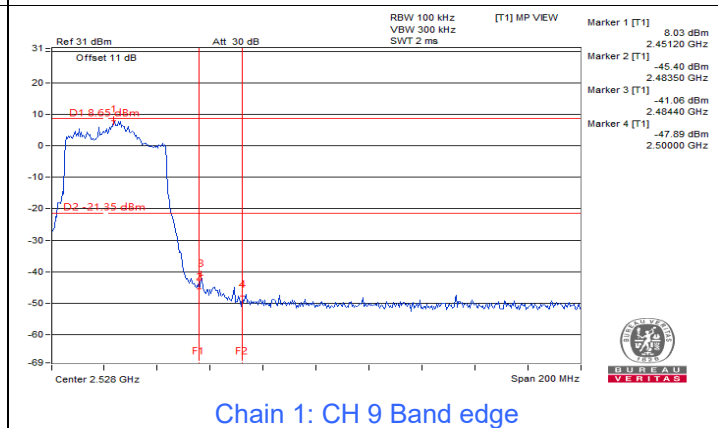
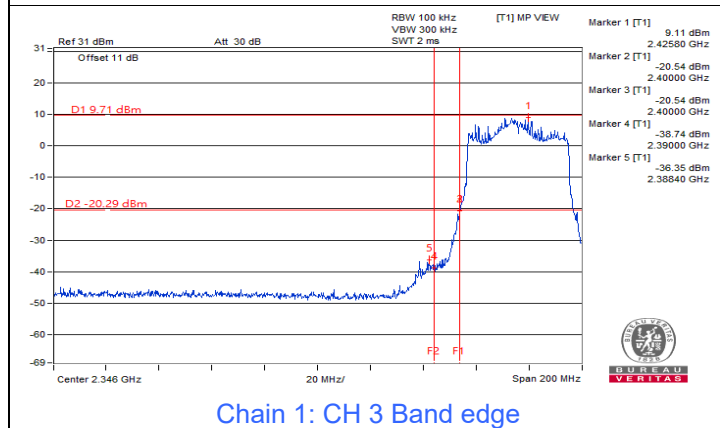
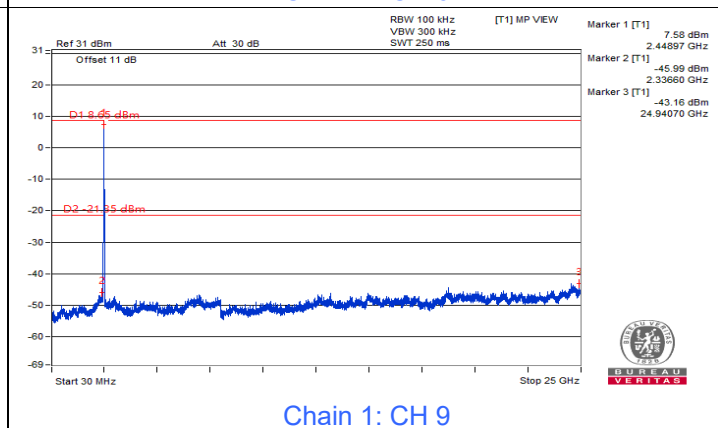
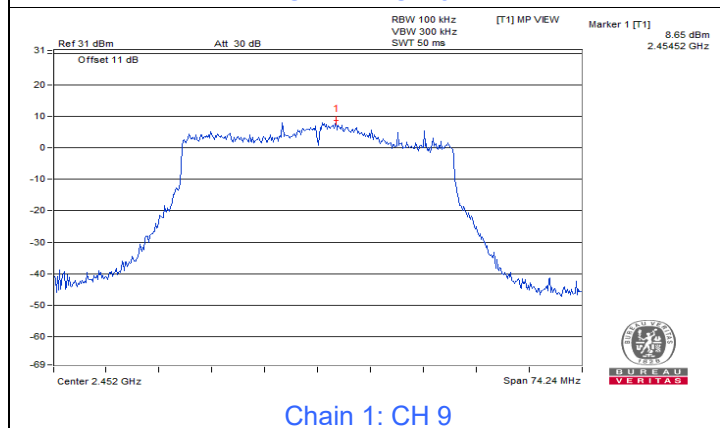
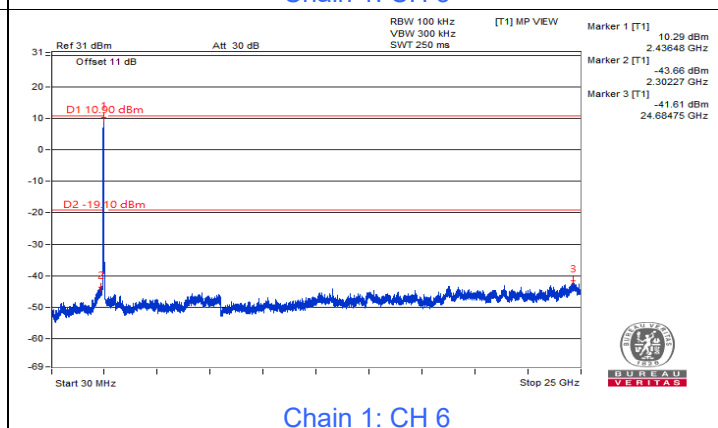
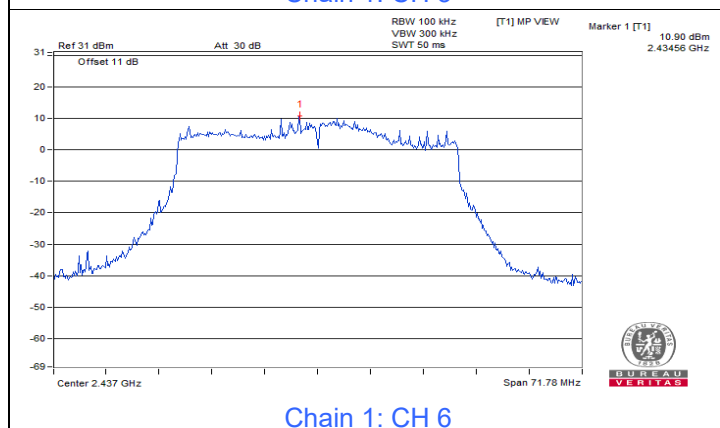
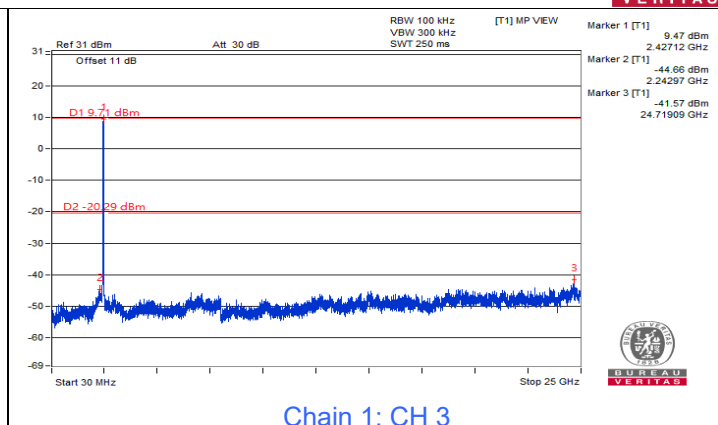
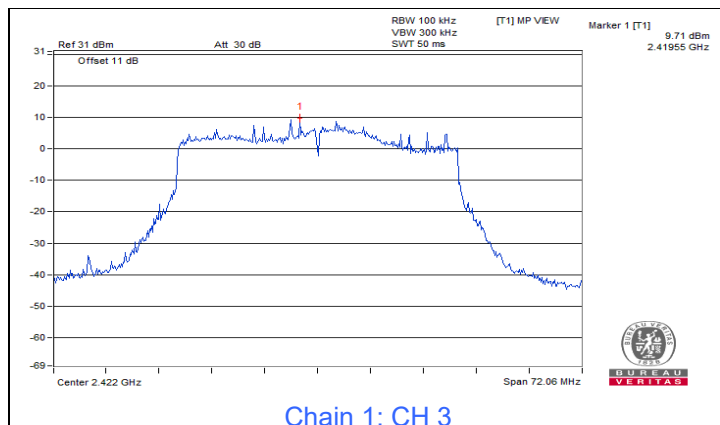
802.11be (EHT20)





802.11be (EHT40)





7.5 AC Power Conducted Emissions

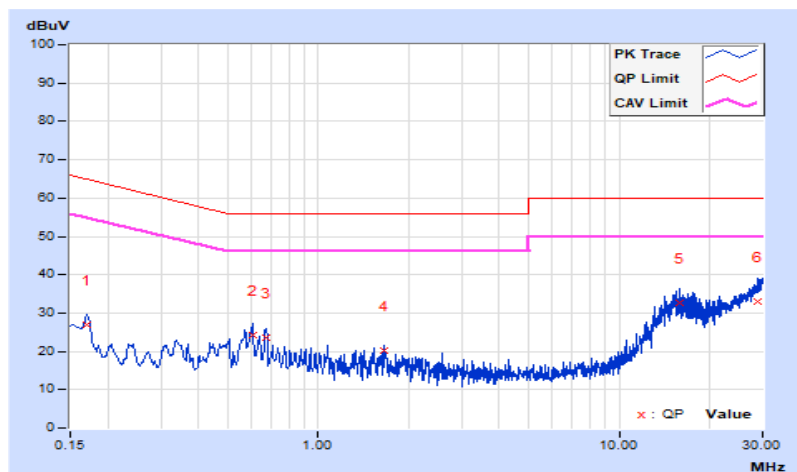
Mode A

RF Mode	802.11g	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, 70% RH
Tested By	Luis Lee		

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	0.16977	9.77	17.09	6.36	26.86	16.13	64.97	54.97	-38.11	-38.84
2	0.60600	9.79	14.58	2.64	24.37	12.43	56.00	46.00	-31.63	-33.57
3	0.66810	9.79	13.92	3.82	23.71	13.61	56.00	46.00	-32.29	-32.39
4	1.64800	9.86	10.46	1.17	20.32	11.03	56.00	46.00	-35.68	-34.97
5	15.96400	10.05	22.71	19.59	32.76	29.64	60.00	50.00	-27.24	-20.36
6	28.88400	10.00	23.14	13.67	33.14	23.67	60.00	50.00	-26.86	-26.33

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

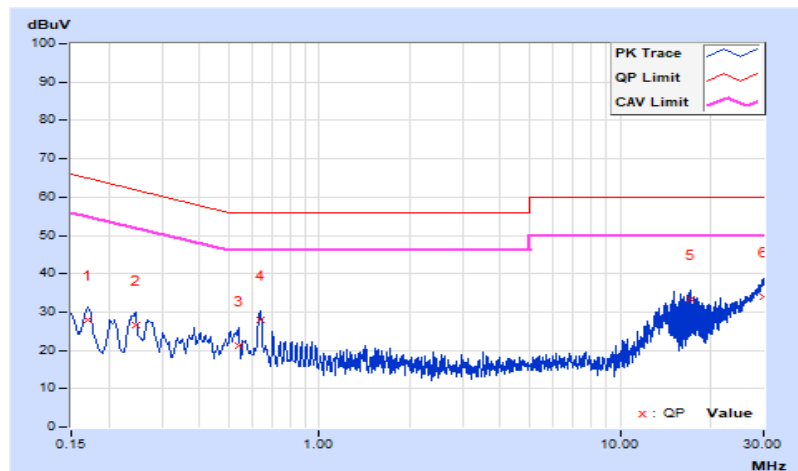


RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 70% RH
Tested By	Luis Lee		

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	0.16977	9.78	18.00	7.39	27.78	17.17	64.97	54.97	-37.19	-37.80
2	0.24550	9.77	16.73	4.24	26.50	14.01	61.91	51.91	-35.41	-37.90
3	0.54113	9.79	11.36	1.20	21.15	10.99	56.00	46.00	-34.85	-35.01
4	0.63715	9.79	18.31	7.21	28.10	17.00	56.00	46.00	-27.90	-29.00
5	17.11200	10.21	23.12	20.65	33.33	30.86	60.00	50.00	-26.67	-19.14
6	29.97200	10.24	23.81	14.13	34.05	24.37	60.00	50.00	-25.95	-25.63

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



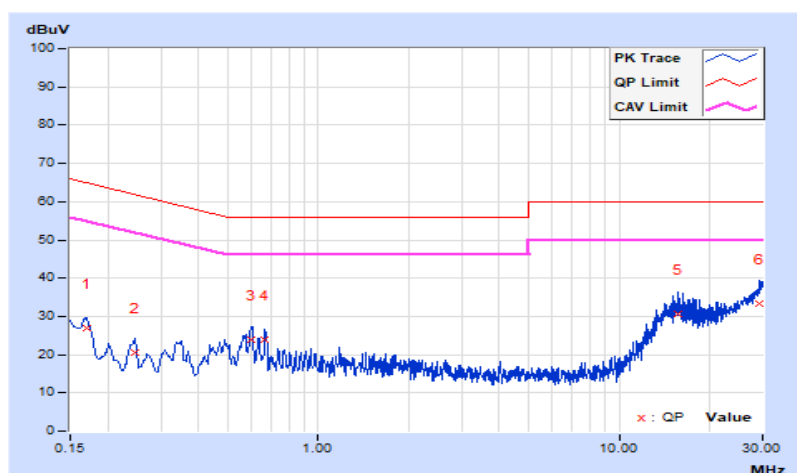
Mode B

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, 70% RH
Tested By	Luis Lee		

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	0.16932	9.77	17.18	6.21	26.95	15.98	64.99	54.99	-38.04	-39.01
2	0.24600	9.76	10.89	1.25	20.65	11.01	61.89	51.89	-41.24	-40.88
3	0.59800	9.79	14.12	3.14	23.91	12.93	56.00	46.00	-32.09	-33.07
4	0.66600	9.79	14.26	3.67	24.05	13.46	56.00	46.00	-31.95	-32.54
5	15.68400	10.04	20.64	15.75	30.68	25.79	60.00	50.00	-29.32	-24.21
6	29.24800	10.00	23.30	13.97	33.30	23.97	60.00	50.00	-26.70	-26.03

Remarks:

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

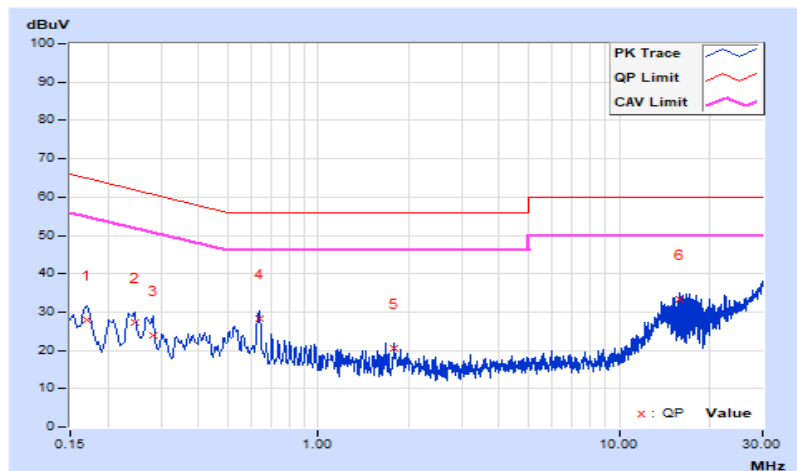


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 70% RH
Tested By	Luis Lee		

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	0.16977	9.78	18.10	7.49	27.88	17.27	64.97	54.97	-37.09	-37.70
2	0.24600	9.77	17.56	4.91	27.33	14.68	61.89	51.89	-34.56	-37.21
3	0.28200	9.77	14.24	1.44	24.01	11.21	60.76	50.76	-36.75	-39.55
4	0.63715	9.79	18.48	7.22	28.27	17.01	56.00	46.00	-27.73	-28.99
5	1.78800	9.86	10.77	1.80	20.63	11.66	56.00	46.00	-35.37	-34.34
6	15.97600	10.18	23.06	20.81	33.24	30.99	60.00	50.00	-26.76	-19.01

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

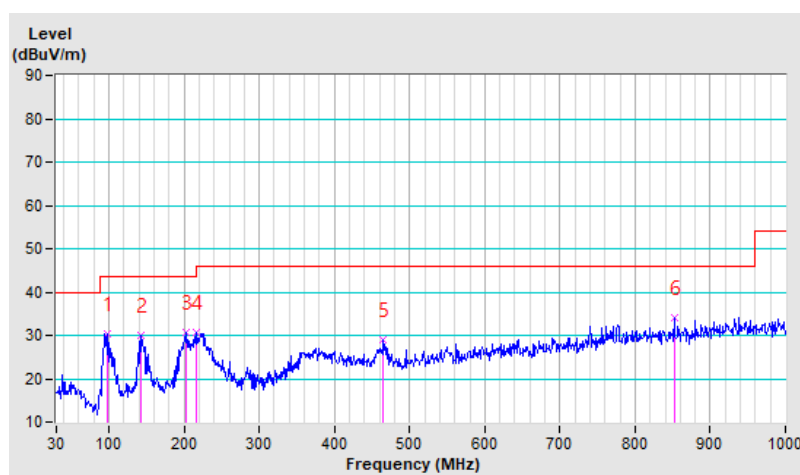
Mode A

RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	97.90	30.5 QP	43.5	-13.0	1.00 H	11	44.0	-13.5
2	142.52	29.9 QP	43.5	-13.6	1.50 H	222	38.7	-8.8
3	201.69	30.6 QP	43.5	-12.9	1.00 H	198	42.0	-11.4
4	215.27	30.8 QP	43.5	-12.7	1.00 H	222	41.9	-11.1
5	465.53	29.1 QP	46.0	-16.9	1.00 H	195	33.1	-4.0
6	851.59	34.1 QP	46.0	-11.9	1.50 H	29	29.8	4.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit 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.

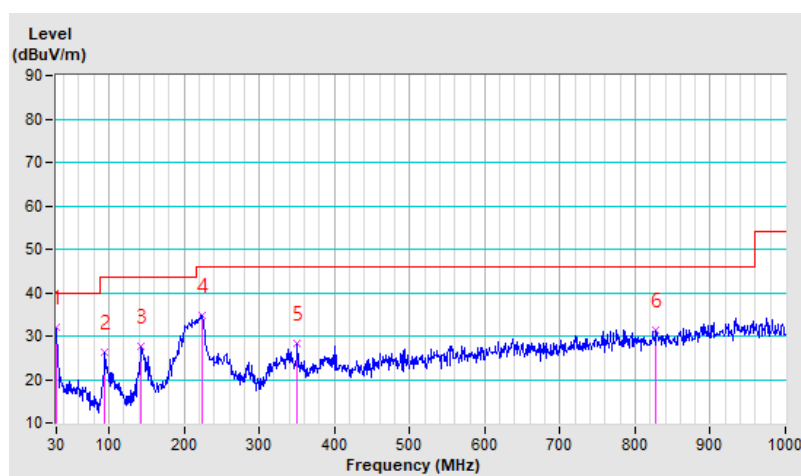


RF Mode	802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	30.00	31.9 QP	40.0	-8.1	1.00 V	156	42.1	-10.2
2	94.02	26.2 QP	43.5	-17.3	1.50 V	222	40.2	-14.0
3	142.52	27.7 QP	43.5	-15.8	1.00 V	159	36.5	-8.8
4	223.03	34.8 QP	46.0	-11.2	1.00 V	134	45.8	-11.0
5	350.10	28.4 QP	46.0	-17.6	1.50 V	122	34.9	-6.5
6	828.31	31.2 QP	46.0	-14.8	1.00 V	155	27.2	4.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit 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.



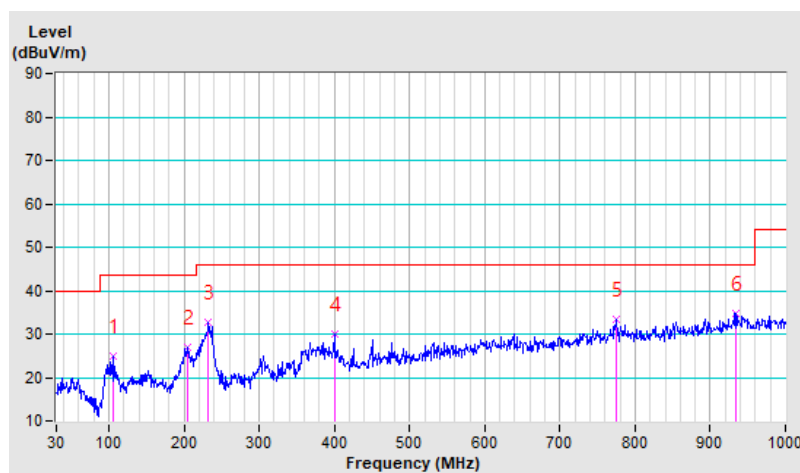
Mode B

RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	104.69	25.0 QP	43.5	-18.5	2.00 H	101	37.3	-12.3
2	203.63	26.8 QP	43.5	-16.7	1.00 H	237	38.2	-11.4
3	231.76	32.7 QP	46.0	-13.3	1.00 H	171	43.3	-10.6
4	399.57	30.1 QP	46.0	-15.9	1.00 H	167	35.5	-5.4
5	773.99	33.4 QP	46.0	-12.6	1.00 H	30	30.4	3.0
6	934.04	34.9 QP	46.0	-11.1	1.00 H	5	28.8	6.1

Remarks:

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

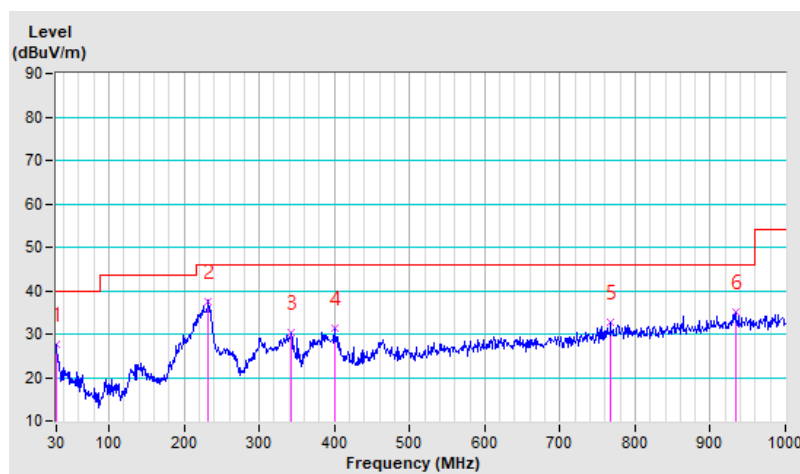


RF Mode	802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	30.00	27.5 QP	40.0	-12.5	1.50 V	73	37.7	-10.2
2	231.76	37.6 QP	46.0	-8.4	1.00 V	218	48.2	-10.6
3	342.34	30.4 QP	46.0	-15.6	1.00 V	170	37.0	-6.6
4	399.57	31.3 QP	46.0	-14.7	1.50 V	48	36.7	-5.4
5	767.20	32.6 QP	46.0	-13.4	1.00 V	85	29.7	2.9
6	933.07	35.2 QP	46.0	-10.8	1.50 V	73	29.2	6.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit 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

Mode A

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	23 °C, 66% RH
Tested By	Titan Hsu		

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	62.4 PK	74.0	-11.6	2.12 H	4	28.0	34.4
2	2390.00	50.7 AV	54.0	-3.3	2.12 H	4	16.3	34.4
3	*2412.00	119.9 PK			2.12 H	4	85.5	34.4
4	*2412.00	117.8 AV			2.12 H	4	83.4	34.4
5	4824.00	48.6 PK	74.0	-25.4	3.10 H	333	36.8	11.8
6	4824.00	37.6 AV	54.0	-16.4	3.10 H	333	25.8	11.8
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	2352.00	63.4 PK	74.0	-10.6	2.00 V	357	29.0	34.4
2	2352.00	52.2 AV	54.0	-1.8	2.00 V	357	17.8	34.4
3	*2412.00	120.2 PK			2.00 V	357	85.8	34.4
4	*2412.00	118.0 AV			2.00 V	357	83.6	34.4
5	4824.00	49.8 PK	74.0	-24.2	3.28 V	39	38.0	11.8
6	4824.00	39.4 AV	54.0	-14.6	3.28 V	39	27.6	11.8

Remarks:

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

RF Mode	802.11b	Channel	CH 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	23 °C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	119.5 PK			1.73 H	2	84.8	34.7
2	*2437.00	117.4 AV			1.73 H	2	82.7	34.7
3	4874.00	49.1 PK	74.0	-24.9	3.07 H	334	37.2	11.9
4	4874.00	37.4 AV	54.0	-16.6	3.07 H	334	25.5	11.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	120.6 PK			1.81 V	2	85.9	34.7
2	*2437.00	118.2 AV			1.81 V	2	83.5	34.7
3	4874.00	50.1 PK	74.0	-23.9	3.39 V	31	38.2	11.9
4	4874.00	38.7 AV	54.0	-15.3	3.39 V	31	26.8	11.9

Remarks:

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

RF Mode	802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	119.9 PK			1.98 H	2	85.2	34.7
2	*2462.00	117.8 AV			1.98 H	2	83.1	34.7
3	2483.50	62.8 PK	74.0	-11.2	1.98 H	2	28.2	34.6
4	2483.50	51.4 AV	54.0	-2.6	1.98 H	2	16.8	34.6
5	4924.00	49.0 PK	74.0	-25.0	3.15 H	353	37.0	12.0
6	4924.00	37.5 AV	54.0	-16.5	3.15 H	353	25.5	12.0
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	120.8 PK			2.09 V	2	86.1	34.7
2	*2462.00	118.2 AV			2.09 V	2	83.5	34.7
3	2483.50	62.6 PK	74.0	-11.4	2.09 V	2	28.0	34.6
4	2483.50	52.8 AV	54.0	-1.2	2.09 V	2	18.2	34.6
5	4924.00	50.0 PK	74.0	-24.0	3.32 V	22	38.0	12.0
6	4924.00	38.5 AV	54.0	-15.5	3.32 V	22	26.5	12.0

Remarks:

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

RF Mode	802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	68.8 PK	74.0	-5.2	2.11 H	2	34.4	34.4
2	2390.00	53.4 AV	54.0	-0.6	2.11 H	2	19.0	34.4
3	*2412.00	123.6 PK			2.11 H	2	89.2	34.4
4	*2412.00	114.1 AV			2.11 H	2	79.7	34.4
5	4824.00	48.3 PK	74.0	-25.7	3.12 H	335	36.5	11.8
6	4824.00	36.8 AV	54.0	-17.2	3.12 H	335	25.0	11.8
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	68.9 PK	74.0	-5.1	1.99 V	2	34.5	34.4
2	2390.00	53.9 AV	54.0	-0.1	1.99 V	2	19.5	34.4
3	*2412.00	123.9 PK			1.99 V	2	89.5	34.4
4	*2412.00	114.4 AV			1.99 V	2	80.0	34.4
5	4824.00	48.6 PK	74.0	-25.4	3.36 V	30	36.8	11.8
6	4824.00	36.9 AV	54.0	-17.1	3.36 V	30	25.1	11.8

Remarks:

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

RF Mode	802.11g	Channel	CH 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	23 °C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	124.2 PK			1.78 H	3	89.5	34.7
2	*2437.00	114.7 AV			1.78 H	3	80.0	34.7
3	4874.00	48.7 PK	74.0	-25.3	3.05 H	336	36.8	11.9
4	4874.00	37.0 AV	54.0	-17.0	3.05 H	336	25.1	11.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	124.7 PK			1.80 V	1	90.0	34.7
2	*2437.00	115.9 AV			1.80 V	1	81.2	34.7
3	4874.00	49.1 PK	74.0	-24.9	3.35 V	29	37.2	11.9
4	4874.00	37.1 AV	54.0	-16.9	3.35 V	29	25.2	11.9

Remarks:

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

RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	123.5 PK			2.13 H	5	88.8	34.7
2	*2462.00	113.2 AV			2.13 H	5	78.5	34.7
3	2483.50	67.8 PK	74.0	-6.2	2.13 H	5	33.2	34.6
4	2483.50	53.3 AV	54.0	-0.7	2.13 H	5	18.7	34.6
5	4924.00	49.0 PK	74.0	-25.0	3.01 H	328	37.0	12.0
6	4924.00	37.1 AV	54.0	-16.9	3.01 H	328	25.1	12.0
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	123.7 PK			2.09 V	4	89.0	34.7
2	*2462.00	115.3 AV			2.09 V	4	80.6	34.7
3	2483.50	68.3 PK	74.0	-5.7	2.09 V	4	33.7	34.6
4	2483.50	53.6 AV	54.0	-0.4	2.09 V	4	19.0	34.6
5	4924.00	49.2 PK	74.0	-24.8	3.36 V	22	37.2	12.0
6	4924.00	37.2 AV	54.0	-16.8	3.36 V	22	25.2	12.0

Remarks:

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

RF Mode	802.11be (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	23 °C, 66% RH
Tested By	Titan Hsu		

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	67.6 PK	74.0	-6.4	2.02 H	6	33.2	34.4
2	2390.00	53.9 AV	54.0	-0.1	2.02 H	6	19.5	34.4
3	*2412.00	124.4 PK			2.02 H	6	90.0	34.4
4	*2412.00	112.1 AV			2.02 H	6	77.7	34.4
5	4824.00	48.3 PK	74.0	-25.7	3.15 H	332	36.5	11.8
6	4824.00	36.6 AV	54.0	-17.4	3.15 H	332	24.8	11.8
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	2352.00	63.9 PK	74.0	-10.1	1.95 V	5	29.5	34.4
2	2352.00	51.4 AV	54.0	-2.6	1.95 V	5	17.0	34.4
3	*2412.00	124.6 PK			1.95 V	5	90.2	34.4
4	*2412.00	112.2 AV			1.95 V	5	77.8	34.4
5	4824.00	48.7 PK	74.0	-25.3	3.31 V	25	36.9	11.8
6	4824.00	36.8 AV	54.0	-17.2	3.31 V	25	25.0	11.8

Remarks:

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

RF Mode	802.11be (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	23 °C, 66% RH
Tested By	Titan Hsu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	124.4 PK			1.74 H	5	89.7	34.7
2	*2437.00	112.7 AV			1.74 H	5	78.0	34.7
3	4874.00	48.4 PK	74.0	-25.6	3.01 H	333	36.5	11.9
4	4874.00	36.8 AV	54.0	-17.2	3.01 H	333	24.9	11.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	124.7 PK			2.25 V	359	90.0	34.7
2	*2437.00	112.9 AV			2.25 V	359	78.2	34.7
3	4874.00	48.7 PK	74.0	-25.3	3.32 V	32	36.8	11.9
4	4874.00	36.9 AV	54.0	-17.1	3.32 V	32	25.0	11.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	125.7 PK			2.07 H	10	91.0	34.7
2	*2462.00	114.1 AV			2.07 H	10	79.4	34.7
3	2483.50	67.8 PK	74.0	-6.2	2.07 H	10	33.2	34.6
4	2483.50	53.1 AV	54.0	-0.9	2.07 H	10	18.5	34.6
5	4924.00	48.7 PK	74.0	-25.3	3.05 H	325	36.7	12.0
6	4924.00	37.0 AV	54.0	-17.0	3.05 H	325	25.0	12.0
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	126.9 PK			2.08 V	6	92.2	34.7
2	*2462.00	114.7 AV			2.08 V	6	80.0	34.7
3	2483.50	68.1 PK	74.0	-5.9	2.08 V	6	33.5	34.6
4	2483.50	53.6 AV	54.0	-0.4	2.08 V	6	19.0	34.6
5	4924.00	49.0 PK	74.0	-25.0	3.36 V	30	37.0	12.0
6	4924.00	37.1 AV	54.0	-16.9	3.36 V	30	25.1	12.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	23 °C, 66% RH
Tested By	Titan Hsu		

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	71.4 PK	74.0	-2.6	1.84 H	2	37.0	34.4
2	2390.00	53.4 AV	54.0	-0.6	1.84 H	2	19.0	34.4
3	*2422.00	118.4 PK			1.84 H	2	83.8	34.6
4	*2422.00	105.2 AV			1.84 H	2	70.6	34.6
5	4844.00	48.4 PK	74.0	-25.6	3.05 H	336	36.5	11.9
6	4844.00	36.5 AV	54.0	-17.5	3.05 H	336	24.6	11.9
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	71.0 PK	74.0	-3.0	1.59 V	360	36.6	34.4
2	2390.00	51.2 AV	54.0	-2.8	1.59 V	360	16.8	34.4
3	*2422.00	118.6 PK			1.59 V	360	84.0	34.6
4	*2422.00	105.4 AV			1.59 V	360	70.8	34.6
5	4844.00	48.6 PK	74.0	-25.4	3.36 V	28	36.7	11.9
6	4844.00	36.7 AV	54.0	-17.3	3.36 V	28	24.8	11.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	23 °C, 66% RH
Tested By	Titan Hsu		

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	69.2 PK	74.0	-4.8	1.75 H	3	34.8	34.4
2	2390.00	53.4 AV	54.0	-0.6	1.75 H	3	19.0	34.4
3	*2437.00	123.6 PK			1.75 H	3	88.9	34.7
4	*2437.00	111.0 AV			1.75 H	3	76.3	34.7
5	2483.50	68.6 PK	74.0	-5.4	1.75 H	3	34.0	34.6
6	2483.50	51.6 AV	54.0	-2.4	1.75 H	3	17.0	34.6
7	4874.00	48.5 PK	74.0	-25.5	3.05 H	336	36.6	11.9
8	4874.00	36.9 AV	54.0	-17.1	3.05 H	336	25.0	11.9
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	2352.00	68.0 PK	74.0	-6.0	2.30 V	2	33.6	34.4
2	2352.00	53.4 AV	54.0	-0.6	2.30 V	2	19.0	34.4
3	*2437.00	124.5 PK			2.30 V	2	89.8	34.7
4	*2437.00	111.9 AV			2.30 V	2	77.2	34.7
5	2483.50	68.3 PK	74.0	-5.7	2.30 V	2	33.7	34.6
6	2483.50	53.9 AV	54.0	-0.1	2.30 V	2	19.3	34.6
7	4874.00	48.9 PK	74.0	-25.1	3.36 V	31	37.0	11.9
8	4874.00	37.1 AV	54.0	-16.9	3.36 V	31	25.2	11.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 9 : 2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Titan Hsu		

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	121.6 PK			2.04 H	3	86.8	34.8
2	*2452.00	108.6 AV			2.04 H	3	73.8	34.8
3	2483.50	69.4 PK	74.0	-4.6	2.04 H	3	34.8	34.6
4	2483.50	53.4 AV	54.0	-0.6	2.04 H	3	18.8	34.6
5	4904.00	48.7 PK	74.0	-25.3	3.02 H	331	36.6	12.1
6	4904.00	36.9 AV	54.0	-17.1	3.02 H	331	24.8	12.1
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	*2452.00	121.7 PK			2.00 V	1	86.9	34.8
2	*2452.00	109.6 AV			2.00 V	1	74.8	34.8
3	2483.50	70.6 PK	74.0	-3.4	2.00 V	1	36.0	34.6
4	2483.50	53.8 AV	54.0	-0.2	2.00 V	1	19.2	34.6
5	4904.00	49.1 PK	74.0	-24.9	3.30 V	35	37.0	12.1
6	4904.00	37.1 AV	54.0	-16.9	3.30 V	35	25.0	12.1

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.

Mode B

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	23 °C, 66% RH
Tested By	Luis Lee		

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	60.1 PK	74.0	-13.9	2.93 H	325	25.7	34.4
2	2390.00	47.7 AV	54.0	-6.3	2.93 H	325	13.3	34.4
3	*2412.00	111.3 PK			2.93 H	325	76.9	34.4
4	*2412.00	108.8 AV			2.93 H	325	74.4	34.4
5	4824.00	50.5 PK	74.0	-23.5	2.80 H	338	38.7	11.8
6	4824.00	40.8 AV	54.0	-13.2	2.80 H	338	29.0	11.8
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	2389.10	62.1 PK	74.0	-11.9	1.58 V	309	27.7	34.4
2	2389.10	52.3 AV	54.0	-1.7	1.58 V	309	17.9	34.4
3	*2412.00	122.6 PK			1.58 V	309	88.2	34.4
4	*2412.00	120.1 AV			1.58 V	309	85.7	34.4
5	4824.00	49.8 PK	74.0	-24.2	3.26 V	32	38.0	11.8
6	4824.00	39.0 AV	54.0	-15.0	3.26 V	32	27.2	11.8

Remarks:

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

RF Mode	802.11b	Channel	CH 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	23 °C, 66% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	111.2 PK			1.37 H	328	76.5	34.7
2	*2437.00	108.9 AV			1.37 H	328	74.2	34.7
3	4874.00	50.5 PK	74.0	-23.5	1.00 H	329	38.6	11.9
4	4874.00	39.9 AV	54.0	-14.1	1.00 H	329	28.0	11.9
5	12185.00	63.2 PK	74.0	-10.8	1.81 H	292	41.8	21.4
6	12185.00	52.2 AV	54.0	-1.8	1.81 H	292	30.8	21.4
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	*2437.00	122.8 PK			1.10 V	20	88.1	34.7
2	*2437.00	120.4 AV			1.10 V	20	85.7	34.7
3	4874.00	49.4 PK	74.0	-24.6	1.16 V	317	37.5	11.9
4	4874.00	37.2 AV	54.0	-16.8	1.16 V	317	25.3	11.9
5	12185.00	63.5 PK	74.0	-10.5	1.16 V	350	42.1	21.4
6	12185.00	51.6 AV	54.0	-2.4	1.16 V	350	30.2	21.4

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	802.11b	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	23 °C, 66% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	109.4 PK			3.13 H	323	74.7	34.7
2	*2462.00	106.9 AV			3.13 H	323	72.2	34.7
3	2483.50	61.2 PK	74.0	-12.8	3.13 H	323	26.6	34.6
4	2483.50	47.4 AV	54.0	-6.6	3.13 H	323	12.8	34.6
5	4924.00	49.6 PK	74.0	-24.4	1.00 H	333	37.6	12.0
6	4924.00	38.1 AV	54.0	-15.9	1.00 H	333	26.1	12.0
7	12310.00	63.7 PK	74.0	-10.3	1.82 H	300	41.7	22.0
8	12310.00	53.2 AV	54.0	-0.8	1.82 H	300	31.2	22.0
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	121.5 PK			1.21 V	236	86.8	34.7
2	*2462.00	119.0 AV			1.21 V	236	84.3	34.7
3	2483.50	61.9 PK	74.0	-12.1	1.21 V	236	27.3	34.6
4	2483.50	49.4 AV	54.0	-4.6	1.21 V	236	14.8	34.6
5	4924.00	49.9 PK	74.0	-24.1	1.24 V	327	37.9	12.0
6	4924.00	37.1 AV	54.0	-16.9	1.24 V	327	25.1	12.0
7	12310.00	62.6 PK	74.0	-11.4	1.16 V	343	40.6	22.0
8	12310.00	51.6 AV	54.0	-2.4	1.16 V	343	29.6	22.0

Remarks:

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

RF Mode	802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Luis Lee		

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	60.7 PK	74.0	-13.3	2.93 H	327	26.3	34.4
2	2390.00	47.5 AV	54.0	-6.5	2.93 H	327	13.1	34.4
3	*2412.00	111.5 PK			2.93 H	327	77.1	34.4
4	*2412.00	102.4 AV			2.93 H	327	68.0	34.4
5	4824.00	49.1 PK	74.0	-24.9	2.77 H	325	37.3	11.8
6	4824.00	36.8 AV	54.0	-17.2	2.77 H	325	25.0	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	67.9 PK	74.0	-6.1	2.01 V	156	33.5	34.4
2	2390.00	53.5 AV	54.0	-0.5	2.01 V	156	19.1	34.4
3	*2412.00	122.4 PK			2.01 V	156	88.0	34.4
4	*2412.00	113.2 AV			2.01 V	156	78.8	34.4
5	4824.00	49.4 PK	74.0	-24.6	1.23 V	340	37.6	11.8
6	4824.00	37.0 AV	54.0	-17.0	1.23 V	340	25.2	11.8

Remarks:

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

RF Mode	802.11g	Channel	CH 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	23 °C, 66% RH
Tested By	Luis Lee		

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	2351.90	60.1 PK	74.0	-13.9	2.88 H	323	25.7	34.4
2	2351.90	47.0 AV	54.0	-7.0	2.88 H	323	12.6	34.4
3	*2437.00	115.2 PK			2.88 H	323	80.5	34.7
4	*2437.00	105.5 AV			2.88 H	323	70.8	34.7
5	4874.00	48.9 PK	74.0	-25.1	2.89 H	321	37.0	11.9
6	4874.00	36.8 AV	54.0	-17.2	2.89 H	321	24.9	11.9
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	2351.90	65.2 PK	74.0	-8.8	1.45 V	323	30.8	34.4
2	2351.90	53.1 AV	54.0	-0.9	1.45 V	323	18.7	34.4
3	*2437.00	125.7 PK			1.45 V	323	91.0	34.7
4	*2437.00	116.5 AV			1.45 V	323	81.8	34.7
5	4874.00	49.1 PK	74.0	-24.9	2.71 V	304	37.2	11.9
6	4874.00	36.9 AV	54.0	-17.1	2.71 V	304	25.0	11.9

Remarks:

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

RF Mode	802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Luis Lee		

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	111.9 PK			3.12 H	335	77.2	34.7
2	*2462.00	102.8 AV			3.12 H	335	68.1	34.7
3	2483.50	60.7 PK	74.0	-13.3	3.12 H	335	26.1	34.6
4	2483.50	47.6 AV	54.0	-6.4	3.12 H	335	13.0	34.6
5	4924.00	49.2 PK	74.0	-24.8	2.70 H	329	37.2	12.0
6	4924.00	36.9 AV	54.0	-17.1	2.70 H	329	24.9	12.0
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	122.1 PK			1.97 V	157	87.4	34.7
2	*2462.00	112.8 AV			1.97 V	157	78.1	34.7
3	2483.50	68.0 PK	74.0	-6.0	1.97 V	157	33.4	34.6
4	2483.50	53.4 AV	54.0	-0.6	1.97 V	157	18.8	34.6
5	4924.00	49.8 PK	74.0	-24.2	1.26 V	339	37.8	12.0
6	4924.00	37.3 AV	54.0	-16.7	1.26 V	339	25.3	12.0

Remarks:

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

RF Mode	802.11be (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	23 °C, 66% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	63.1 PK	74.0	-10.9	2.92 H	319	28.7	34.4
2	2390.00	49.2 AV	54.0	-4.8	2.92 H	319	14.8	34.4
3	*2412.00	114.9 PK			2.92 H	319	80.5	34.4
4	*2412.00	101.8 AV			2.92 H	319	67.4	34.4
5	4824.00	48.9 PK	74.0	-25.1	2.88 H	316	37.1	11.8
6	4824.00	36.7 AV	54.0	-17.3	2.88 H	316	24.9	11.8
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	1.90 V	177	34.4	34.4
2	2390.00	53.8 AV	54.0	-0.2	1.90 V	177	19.4	34.4
3	*2412.00	124.3 PK			1.90 V	177	89.9	34.4
4	*2412.00	112.0 AV			1.90 V	177	77.6	34.4
5	4824.00	49.6 PK	74.0	-24.4	1.30 V	329	37.8	11.8
6	4824.00	37.2 AV	54.0	-16.8	1.30 V	329	25.4	11.8

Remarks:

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

RF Mode	802.11be (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	23 °C, 66% RH
Tested By	Luis Lee		

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	2351.90	60.5 PK	74.0	-13.5	2.85 H	322	26.1	34.4
2	2351.90	47.2 AV	54.0	-6.8	2.85 H	322	12.8	34.4
3	*2437.00	117.2 PK			2.85 H	322	82.5	34.7
4	*2437.00	104.7 AV			2.85 H	322	70.0	34.7
5	4874.00	49.1 PK	74.0	-24.9	2.96 H	311	37.2	11.9
6	4874.00	36.7 AV	54.0	-17.3	2.96 H	311	24.8	11.9
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	2351.90	66.5 PK	74.0	-7.5	1.10 V	30	32.1	34.4
2	2351.90	53.8 AV	54.0	-0.2	1.10 V	30	19.4	34.4
3	*2437.00	129.5 PK			1.10 V	30	94.8	34.7
4	*2437.00	117.4 AV			1.10 V	30	82.7	34.7
5	4874.00	49.4 PK	74.0	-24.6	1.30 V	348	37.5	11.9
6	4874.00	37.3 AV	54.0	-16.7	1.30 V	348	25.4	11.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 11 : 2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Luis Lee		

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	112.3 PK			2.69 H	329	77.6	34.7
2	*2462.00	99.8 AV			2.69 H	329	65.1	34.7
3	2483.50	61.3 PK	74.0	-12.7	2.69 H	329	26.7	34.6
4	2483.50	47.4 AV	54.0	-6.6	2.69 H	329	12.8	34.6
5	4924.00	49.3 PK	74.0	-24.7	2.77 H	315	37.3	12.0
6	4924.00	36.9 AV	54.0	-17.1	2.77 H	315	24.9	12.0
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	125.2 PK			1.34 V	299	90.5	34.7
2	*2462.00	112.9 AV			1.34 V	299	78.2	34.7
3	2483.50	71.3 PK	74.0	-2.7	1.34 V	299	36.7	34.6
4	2483.50	53.4 AV	54.0	-0.6	1.34 V	299	18.8	34.6
5	4924.00	49.7 PK	74.0	-24.3	1.20 V	351	37.7	12.0
6	4924.00	37.4 AV	54.0	-16.6	1.20 V	351	25.4	12.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	23 °C, 66% RH
Tested By	Luis Lee		

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	65.1 PK	74.0	-8.9	2.95 H	326	30.7	34.4
2	2390.00	48.9 AV	54.0	-5.1	2.95 H	326	14.5	34.4
3	*2422.00	110.5 PK			2.95 H	326	75.9	34.6
4	*2422.00	97.2 AV			2.95 H	326	62.6	34.6
5	4844.00	48.7 PK	74.0	-25.3	2.88 H	315	36.8	11.9
6	4844.00	36.8 AV	54.0	-17.2	2.88 H	315	24.9	11.9
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	72.4 PK	74.0	-1.6	1.28 V	28	38.0	34.4
2	2390.00	53.8 AV	54.0	-0.2	1.28 V	28	19.4	34.4
3	*2422.00	123.3 PK			1.28 V	28	88.7	34.6
4	*2422.00	110.2 AV			1.28 V	28	75.6	34.6
5	4844.00	49.4 PK	74.0	-24.6	1.29 V	333	37.5	11.9
6	4844.00	37.0 AV	54.0	-17.0	1.29 V	333	25.1	11.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	23 °C, 66% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.1 PK	74.0	-12.9	2.90 H	319	26.7	34.4
2	2390.00	47.4 AV	54.0	-6.6	2.90 H	319	13.0	34.4
3	*2437.00	112.2 PK			2.90 H	319	77.5	34.7
4	*2437.00	99.1 AV			2.90 H	319	64.4	34.7
5	2483.50	62.3 PK	74.0	-11.7	2.90 H	319	27.7	34.6
6	2483.50	48.4 AV	54.0	-5.6	2.90 H	319	13.8	34.6
7	4874.00	49.1 PK	74.0	-24.9	2.90 H	321	37.2	11.9
8	4874.00	36.9 AV	54.0	-17.1	2.90 H	321	25.0	11.9
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	2351.90	65.9 PK	74.0	-8.1	1.61 V	211	31.5	34.4
2	2351.90	53.9 AV	54.0	-0.1	1.61 V	211	19.5	34.4
3	*2437.00	124.4 PK			1.61 V	211	89.7	34.7
4	*2437.00	111.7 AV			1.61 V	211	77.0	34.7
5	2483.50	70.2 PK	74.0	-3.8	1.61 V	211	35.6	34.6
6	2483.50	53.7 AV	54.0	-0.3	1.61 V	211	19.1	34.6
7	4874.00	49.3 PK	74.0	-24.7	1.41 V	342	37.4	11.9
8	4874.00	37.1 AV	54.0	-16.9	1.41 V	342	25.2	11.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 9 : 2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Luis Lee		

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	109.3 PK			2.89 H	316	74.5	34.8
2	*2452.00	97.0 AV			2.89 H	316	62.2	34.8
3	2483.50	60.8 PK	74.0	-13.2	2.89 H	316	26.2	34.6
4	2483.50	47.9 AV	54.0	-6.1	2.89 H	316	13.3	34.6
5	4904.00	49.2 PK	74.0	-24.8	2.81 H	330	37.1	12.1
6	4904.00	37.1 AV	54.0	-16.9	2.81 H	330	25.0	12.1
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	*2452.00	121.9 PK			1.31 V	153	87.1	34.8
2	*2452.00	109.5 AV			1.31 V	153	74.7	34.8
3	2483.50	68.7 PK	74.0	-5.3	1.31 V	153	34.1	34.6
4	2483.50	53.9 AV	54.0	-0.1	1.31 V	153	19.3	34.6
5	4904.00	49.5 PK	74.0	-24.5	1.40 V	333	37.4	12.1
6	4904.00	37.4 AV	54.0	-16.6	1.40 V	333	25.3	12.1

Remarks:

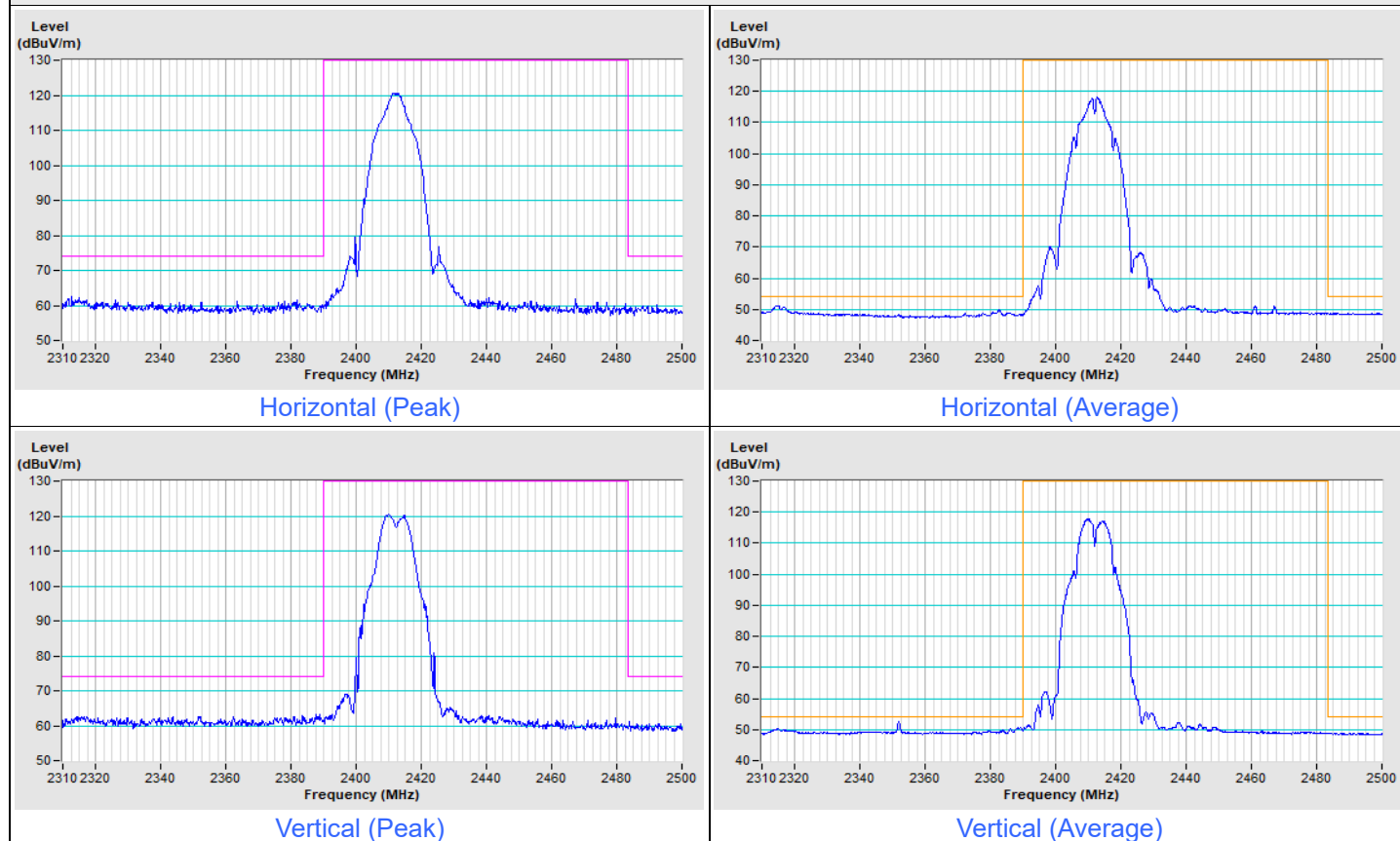
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

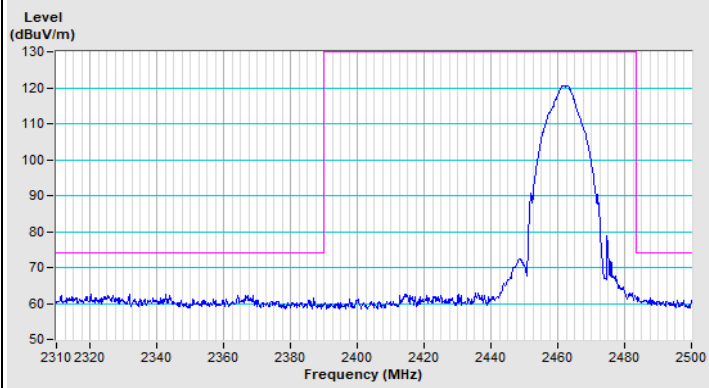
Mode A

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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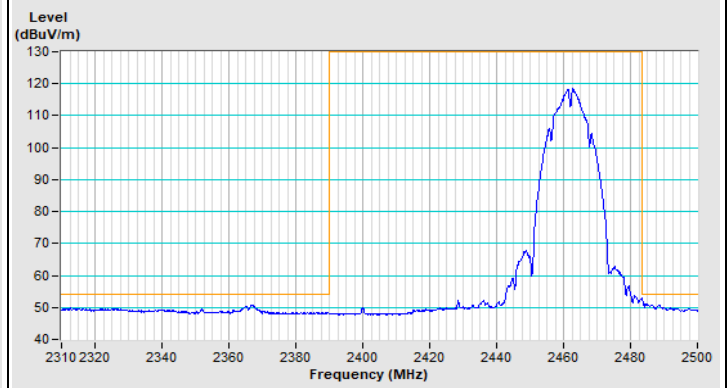
802.11b Channel 1



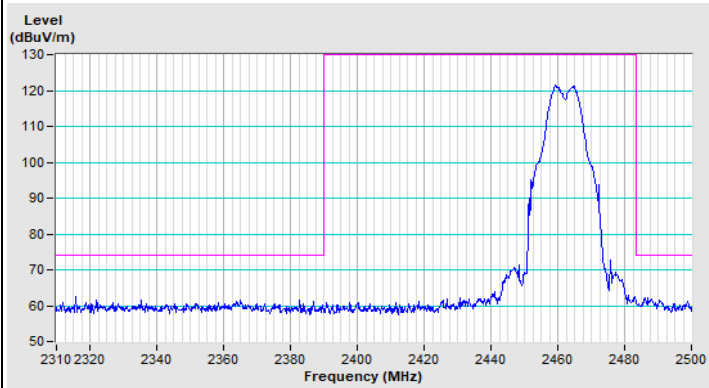
802.11b Channel 11



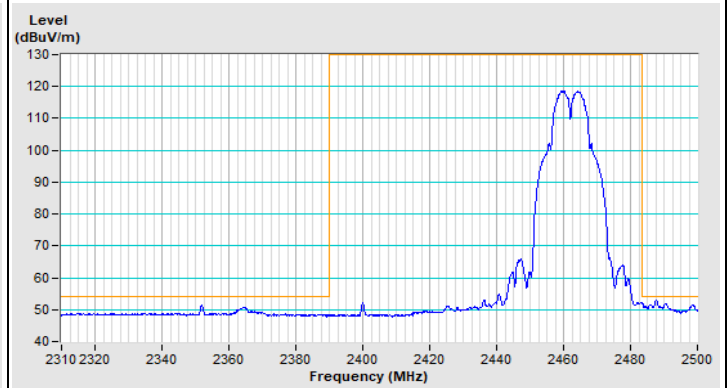
Horizontal (Peak)



Horizontal (Average)



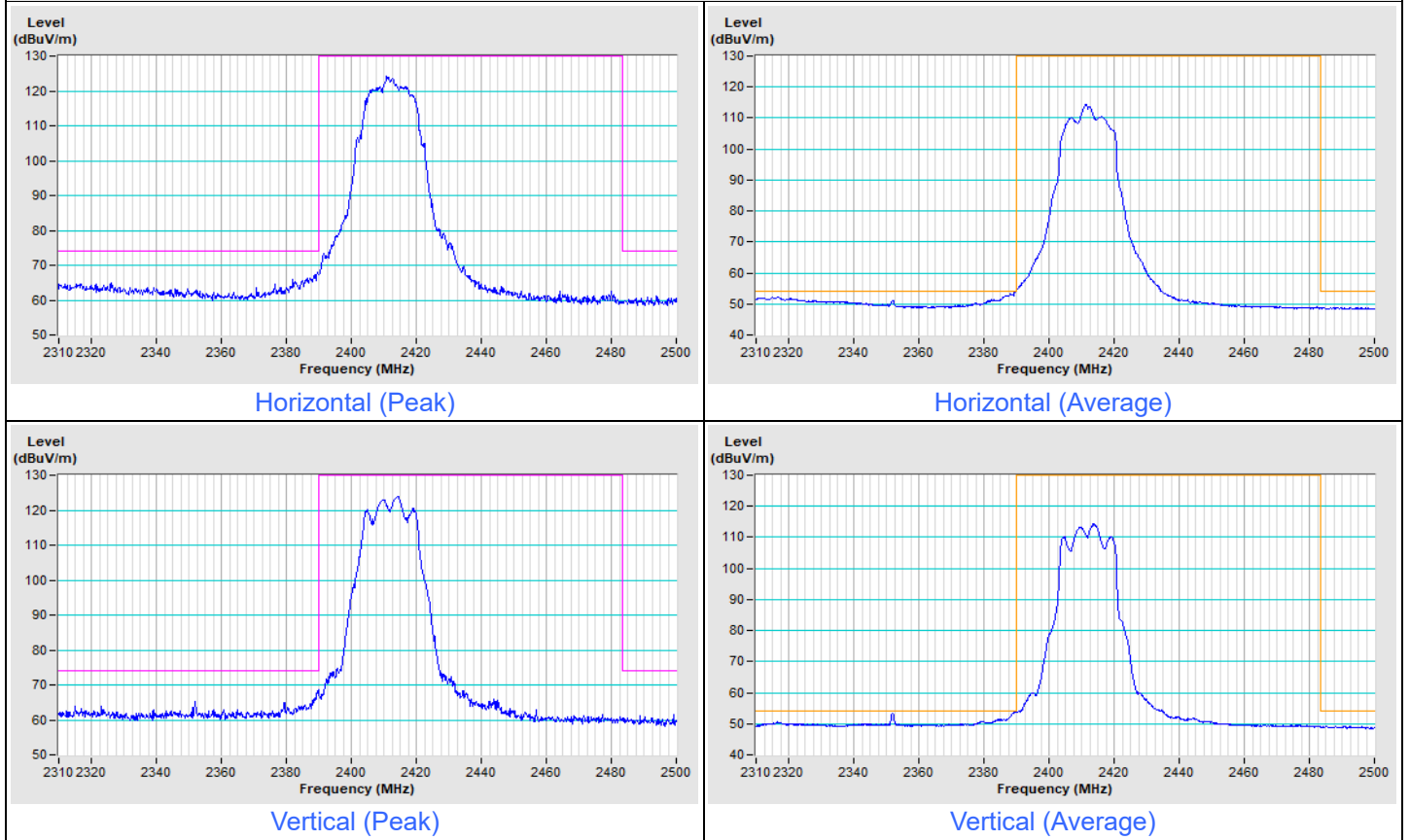
Vertical (Peak)



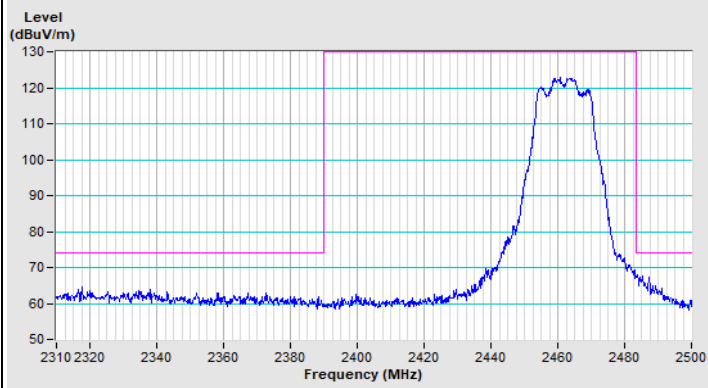
Vertical (Average)

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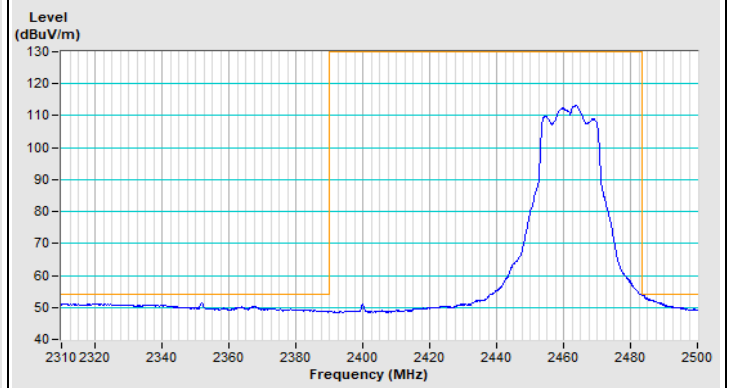
802.11g Channel 1



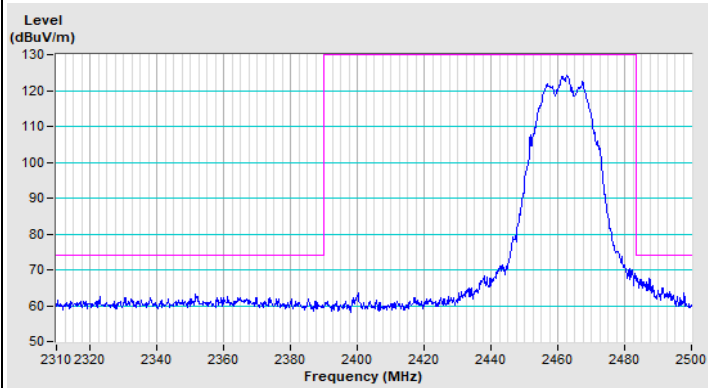
802.11g Channel 11



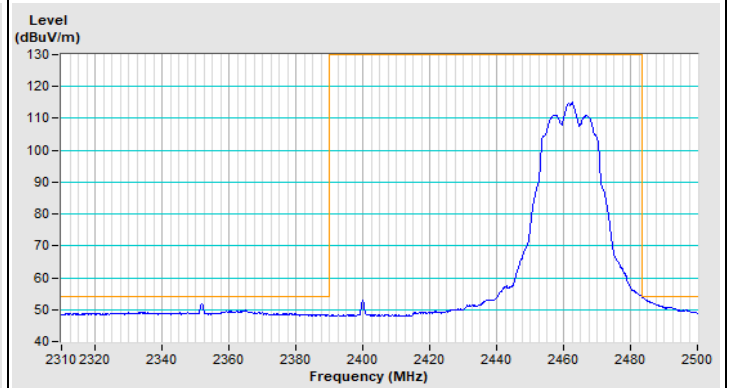
Horizontal (Peak)



Horizontal (Average)



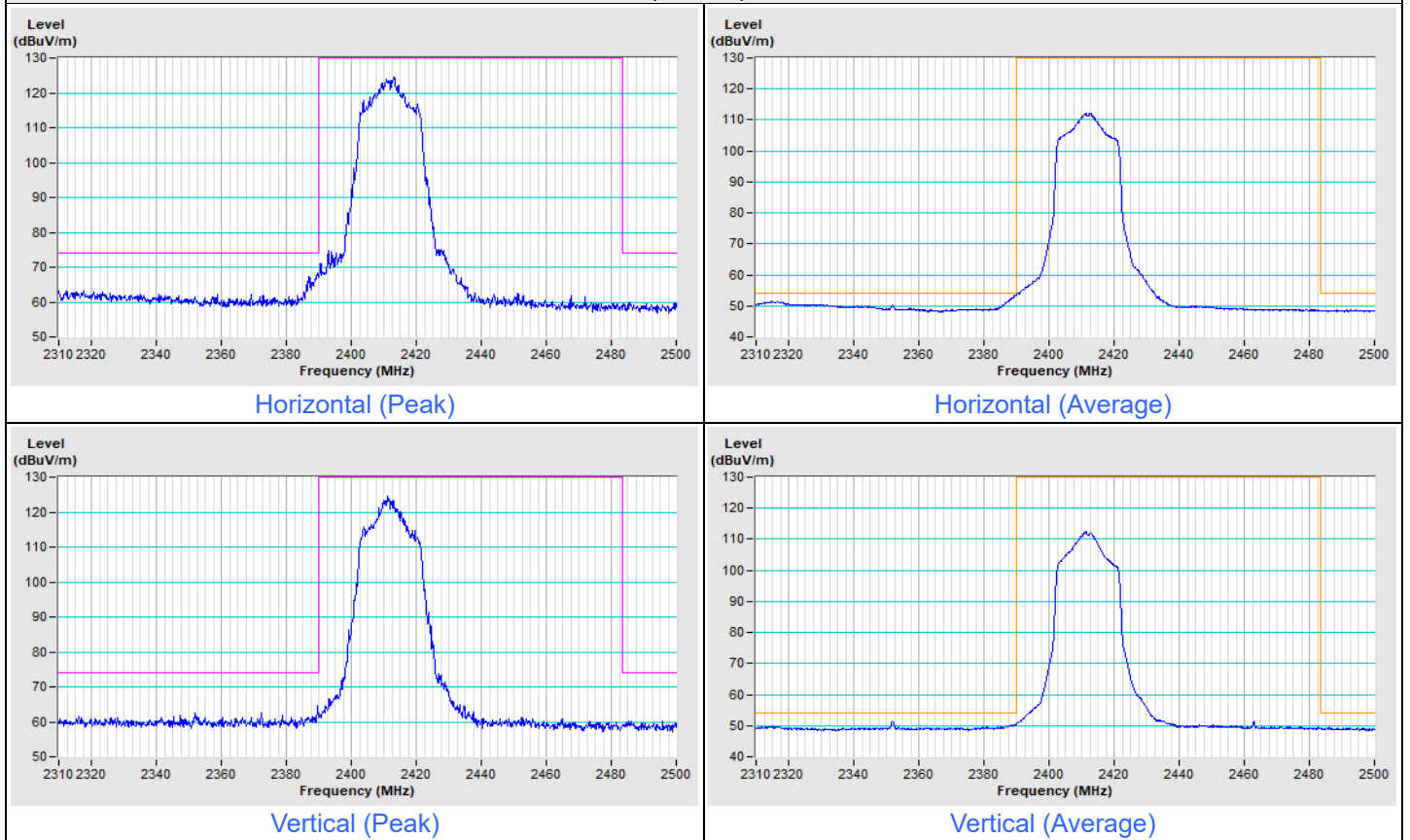
Vertical (Peak)



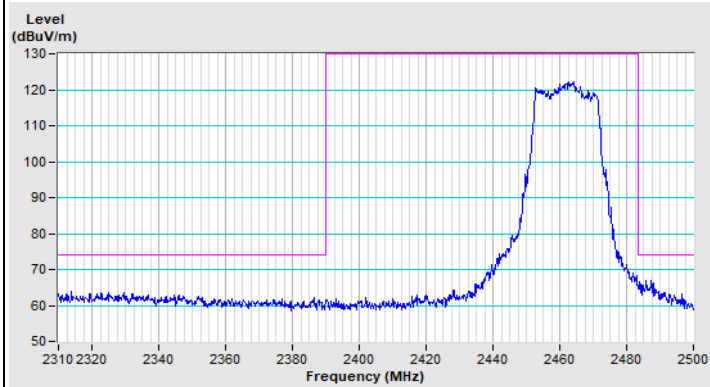
Vertical (Average)

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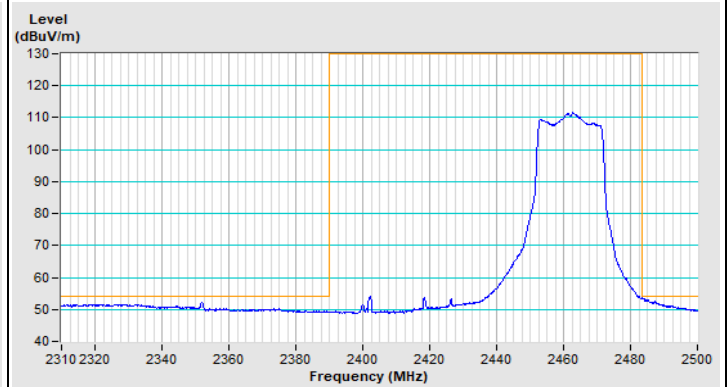
802.11be (EHT20) Channel 1



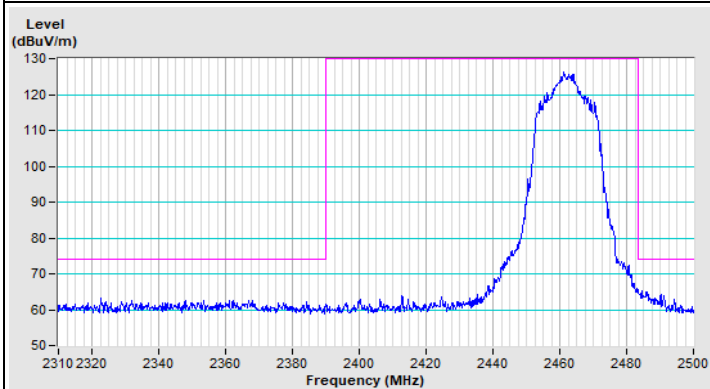
802.11be (EHT20) Channel 11



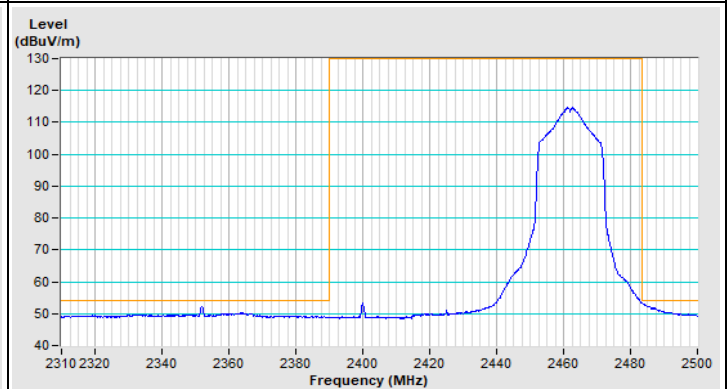
Horizontal (Peak)



Horizontal (Average)



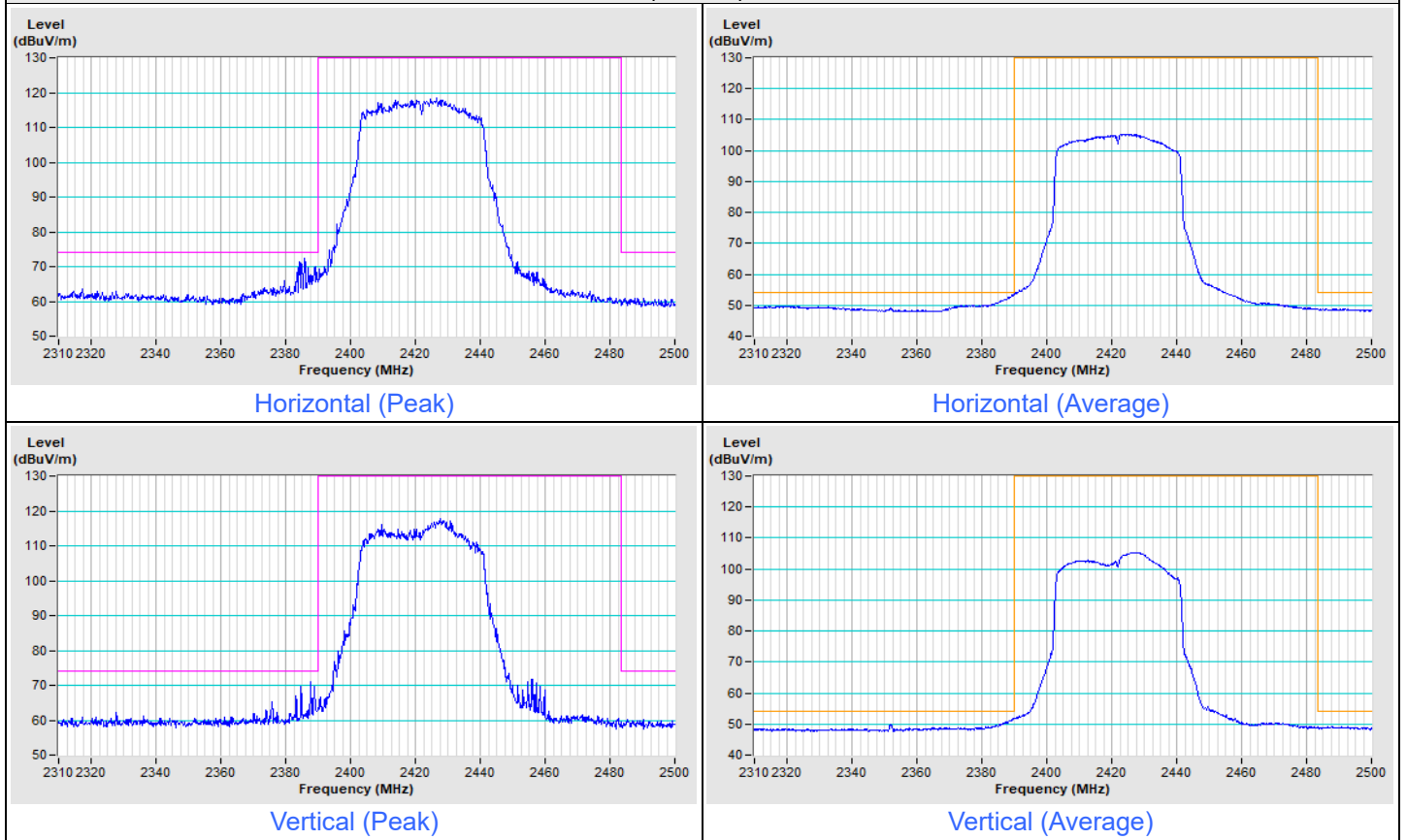
Vertical (Peak)



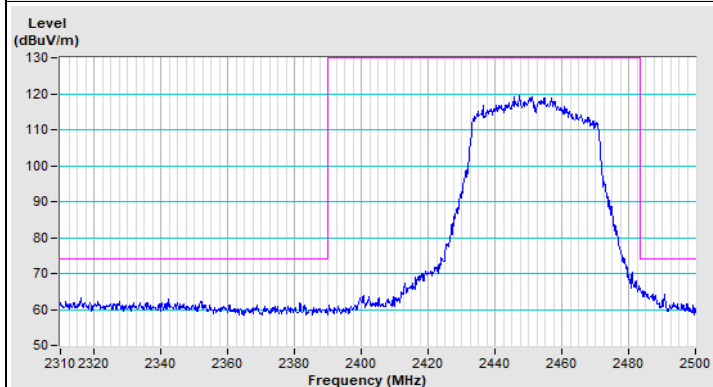
Vertical (Average)

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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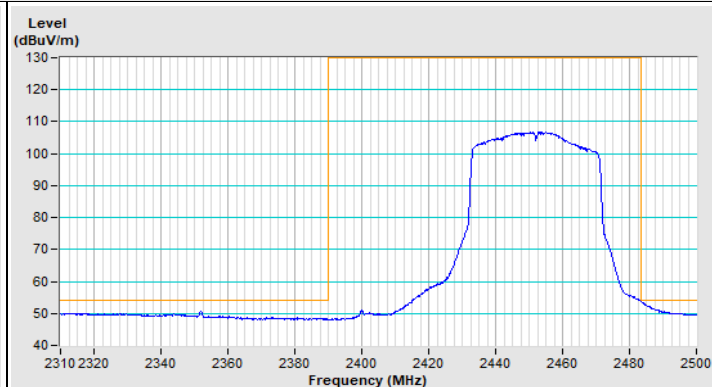
802.11be (EHT40) Channel 3



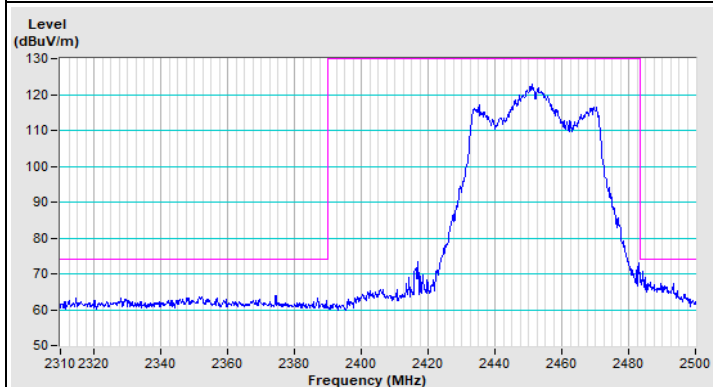
802.11be (EHT40) Channel 9



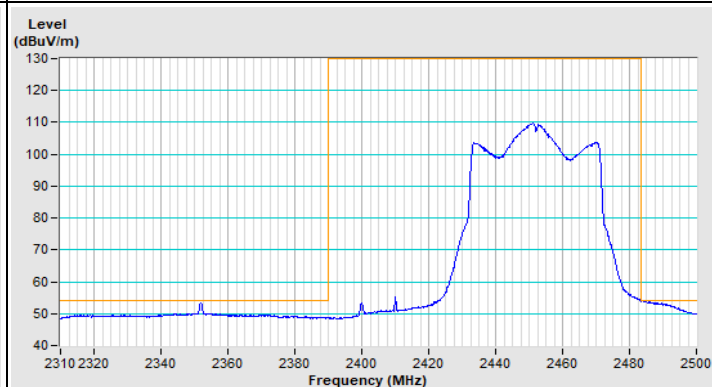
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

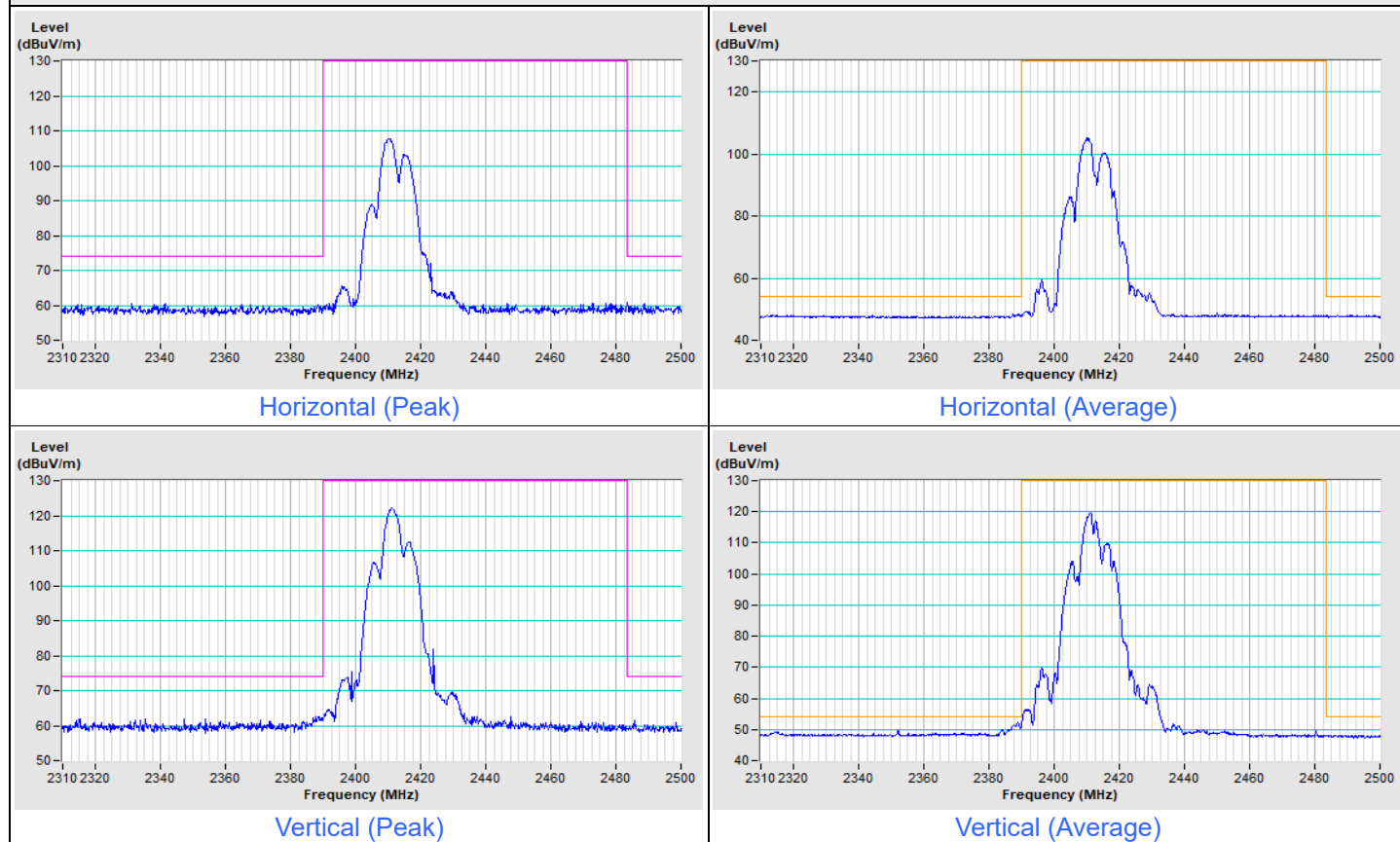


Vertical (Average)

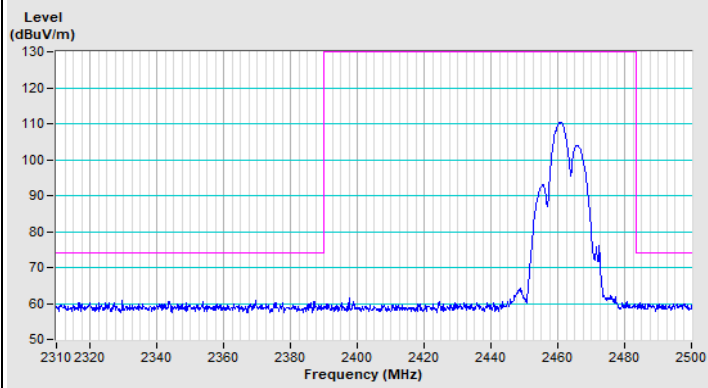
Mode B

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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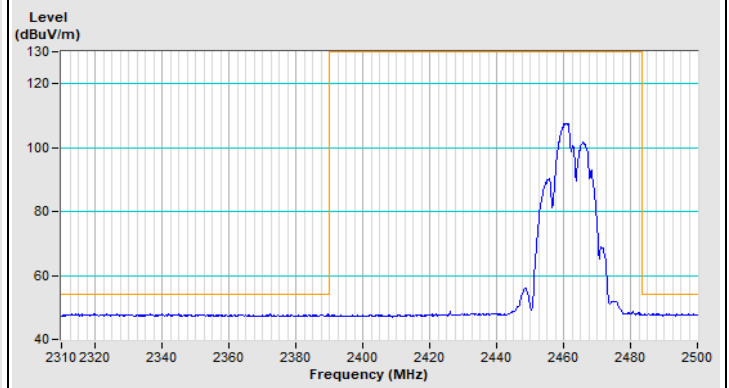
802.11b Channel 1



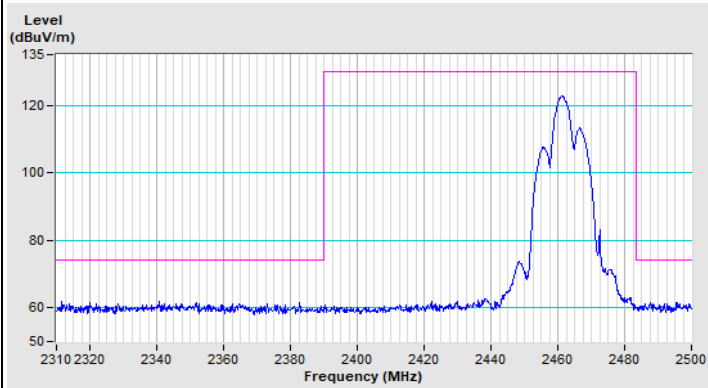
802.11b Channel 11



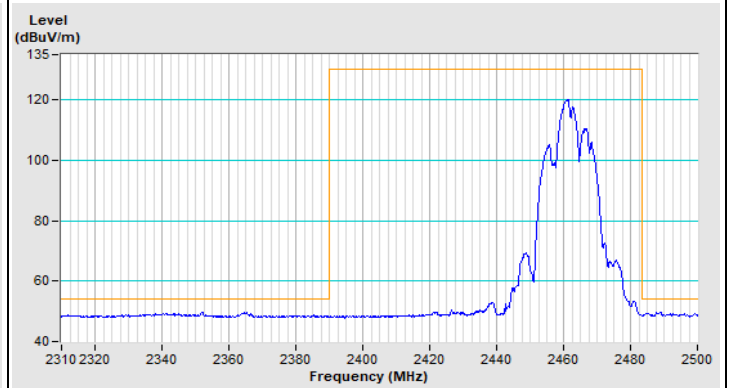
Horizontal (Peak)



Horizontal (Average)



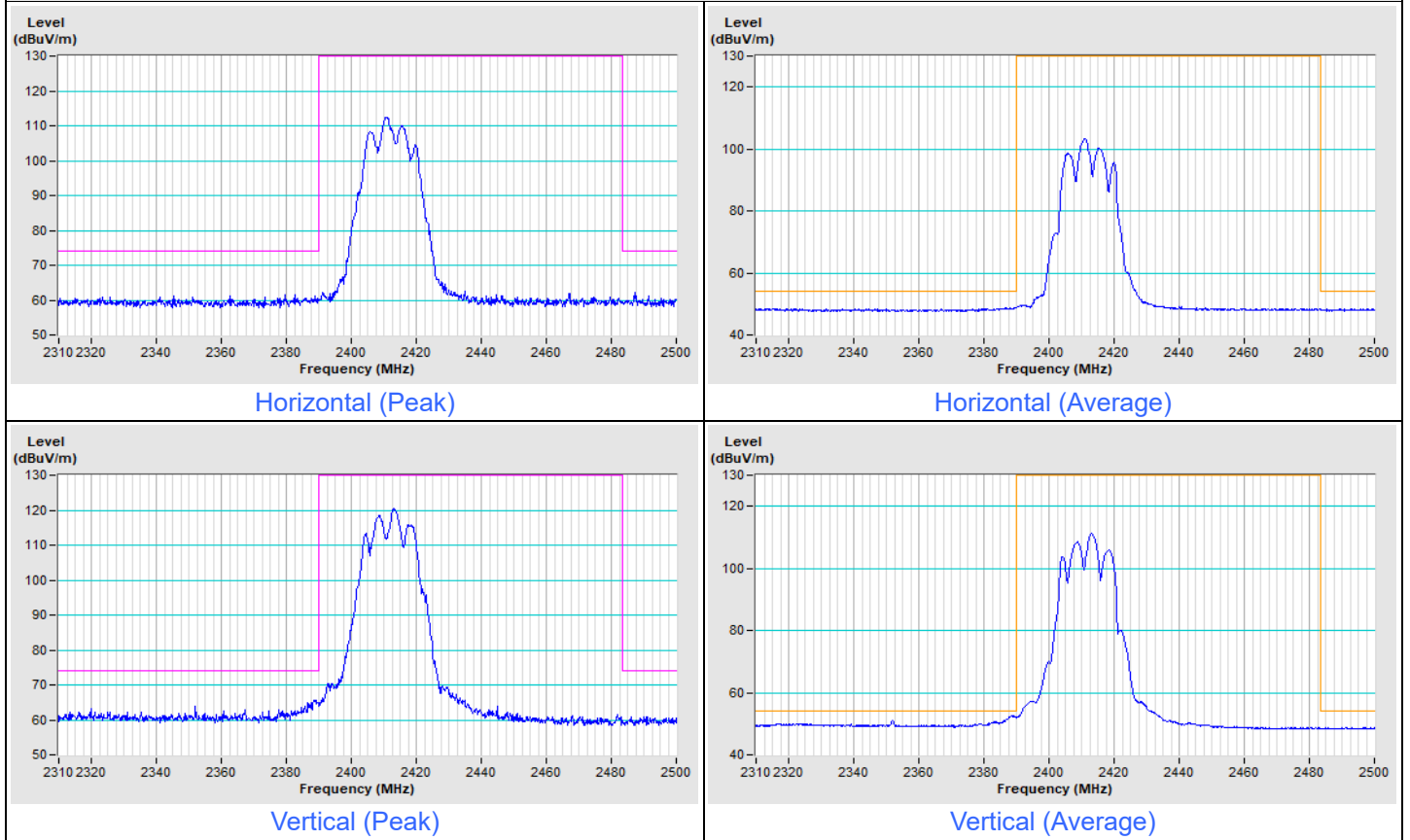
Vertical (Peak)



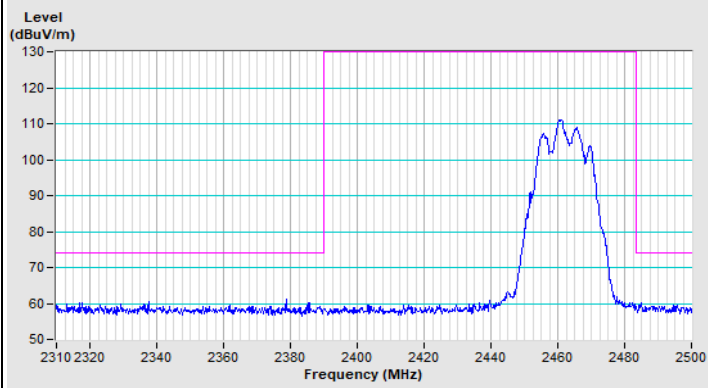
Vertical (Average)

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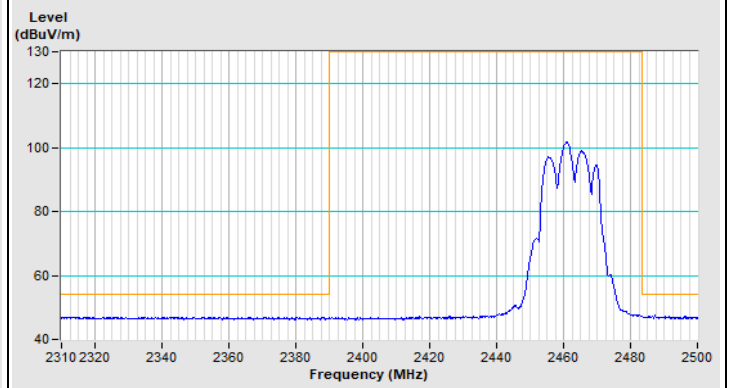
802.11g Channel 1



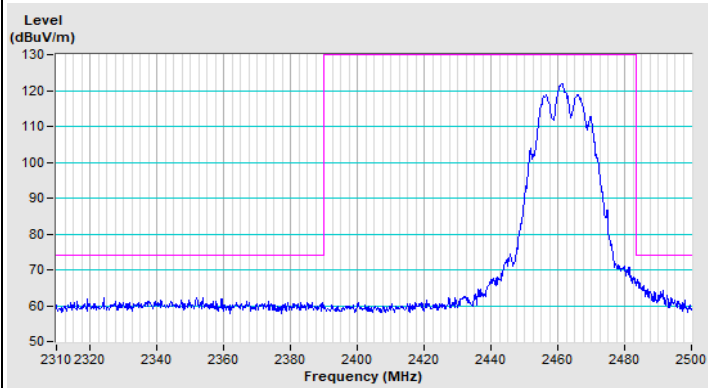
802.11g Channel 11



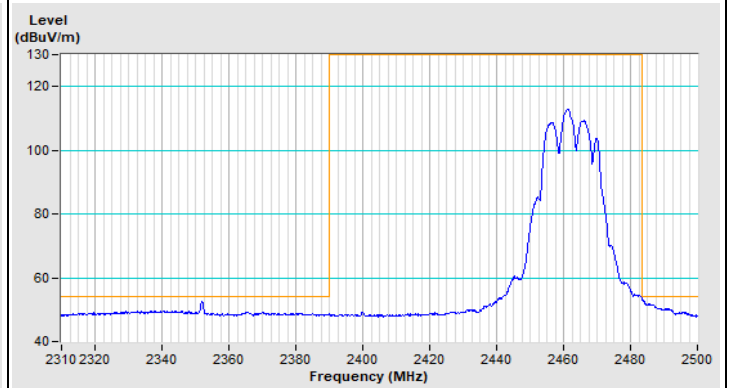
Horizontal (Peak)



Horizontal (Average)



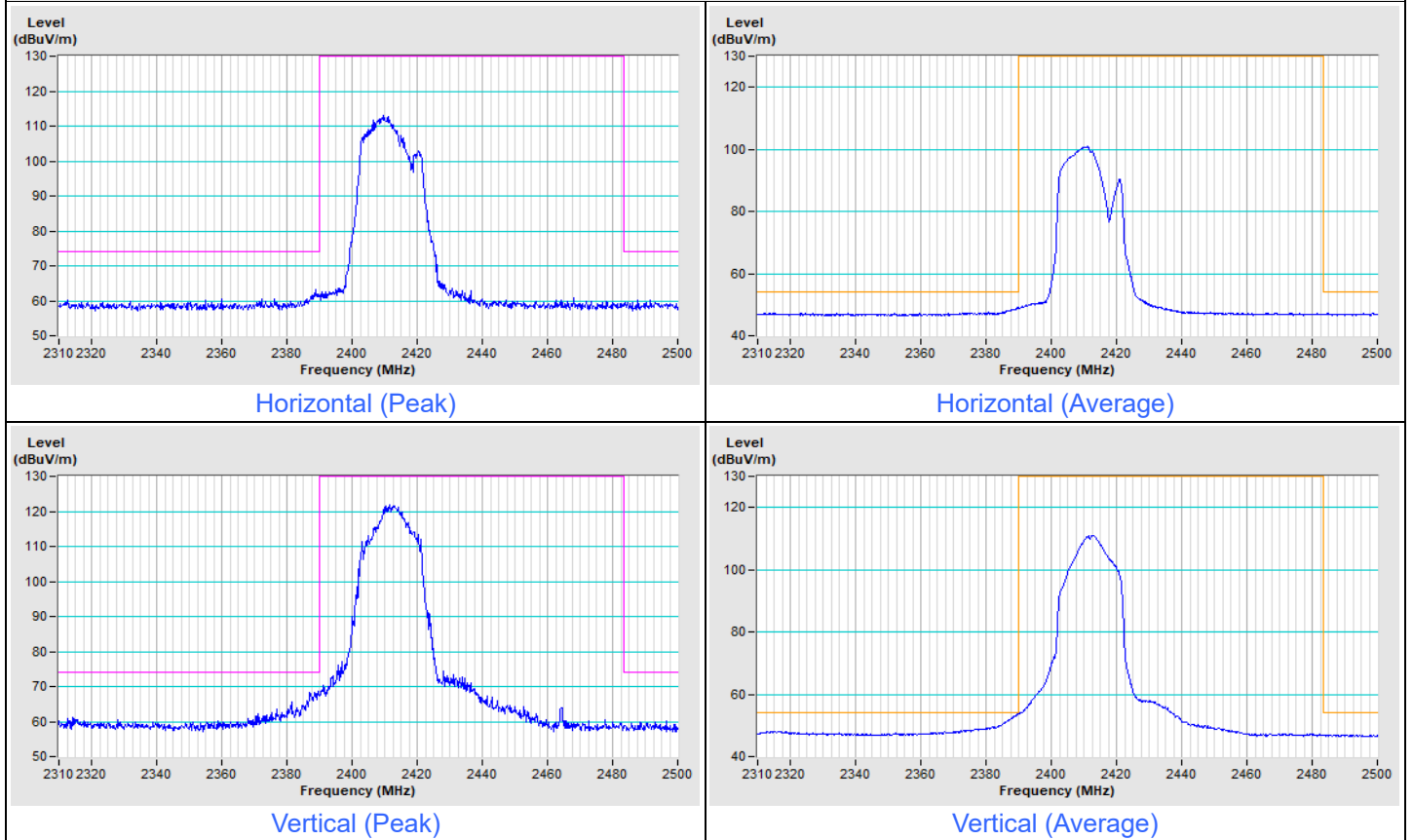
Vertical (Peak)



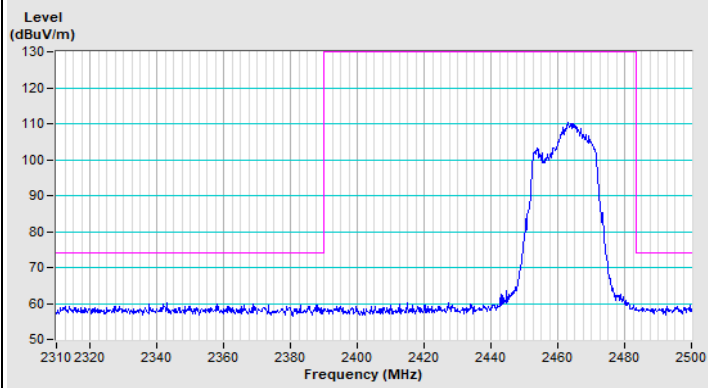
Vertical (Average)

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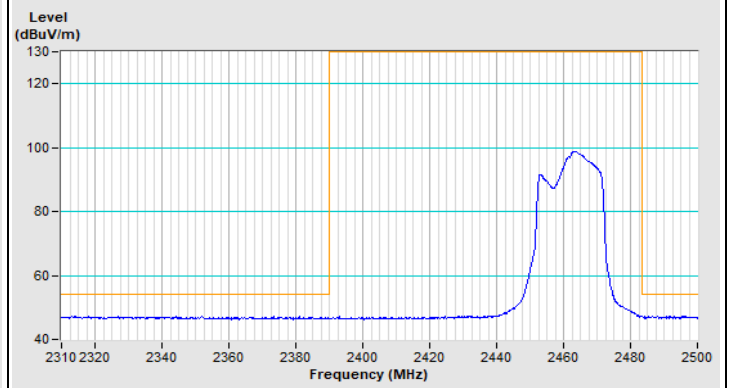
802.11be (EHT20) Channel 1



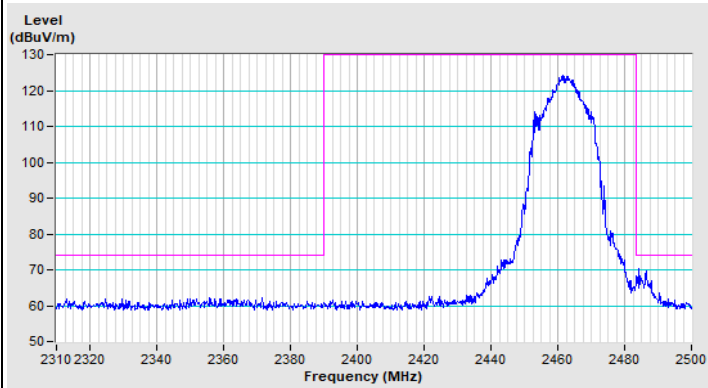
802.11be (EHT20) Channel 11



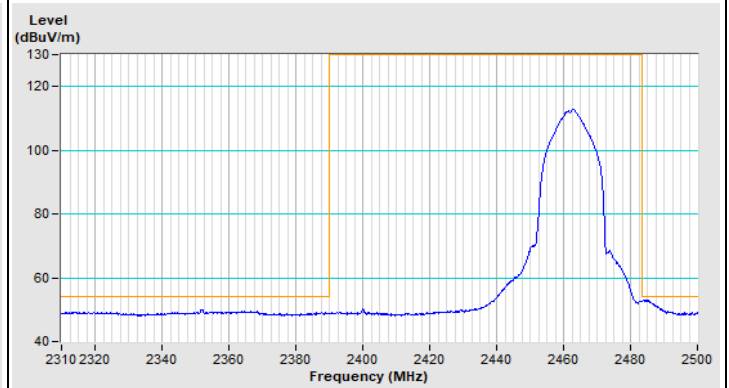
Horizontal (Peak)



Horizontal (Average)



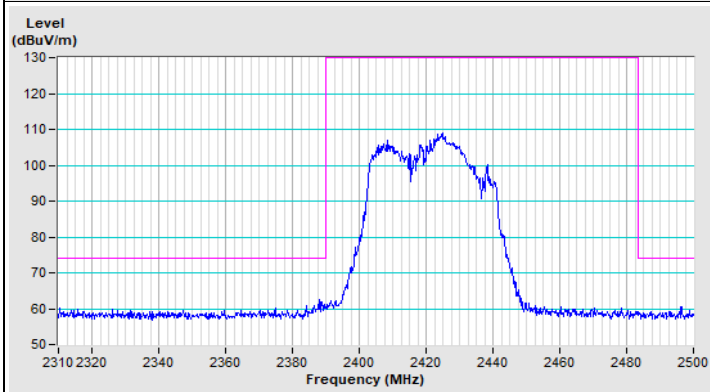
Vertical (Peak)



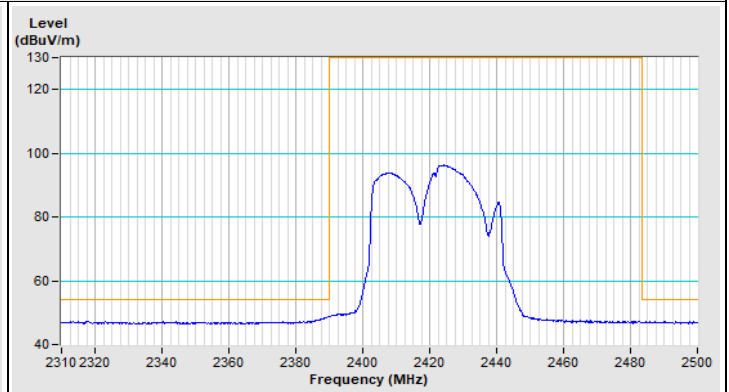
Vertical (Average)

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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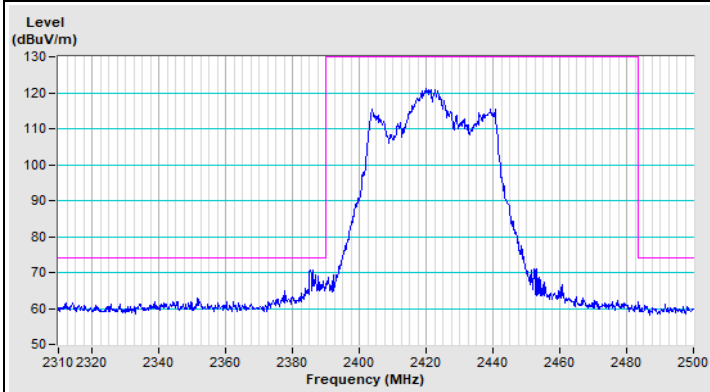
802.11be (EHT40) Channel 3



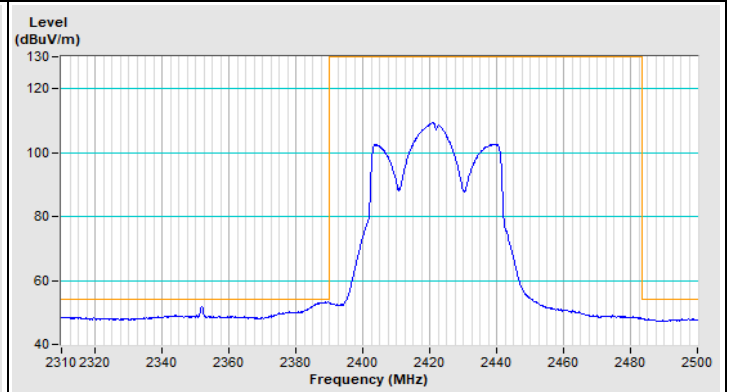
Horizontal (Peak)



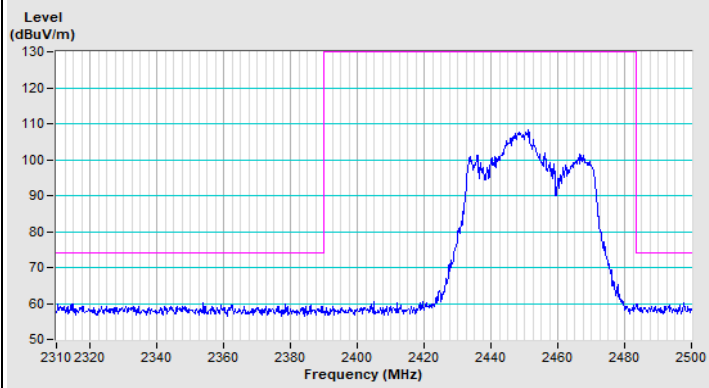
Horizontal (Average)



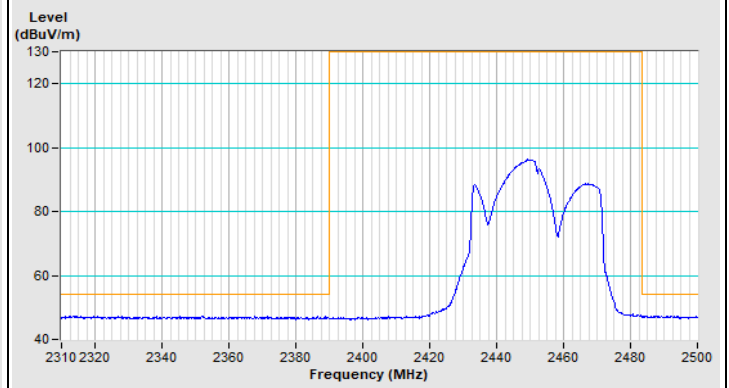
Vertical (Peak)



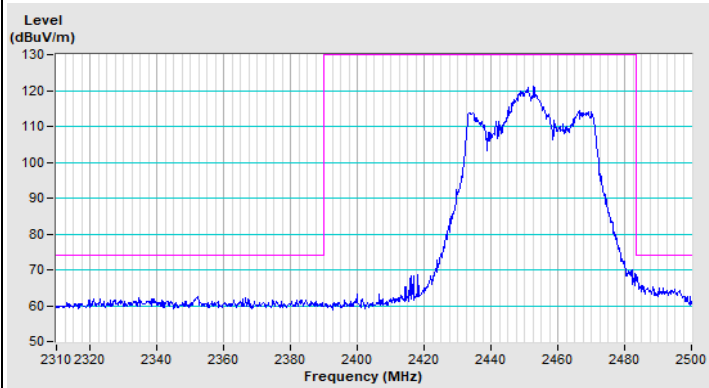
Vertical (Average)

802.11be (EHT40) Channel 9

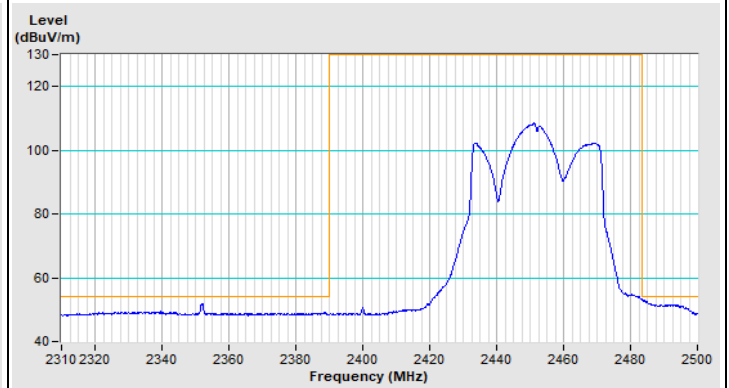
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

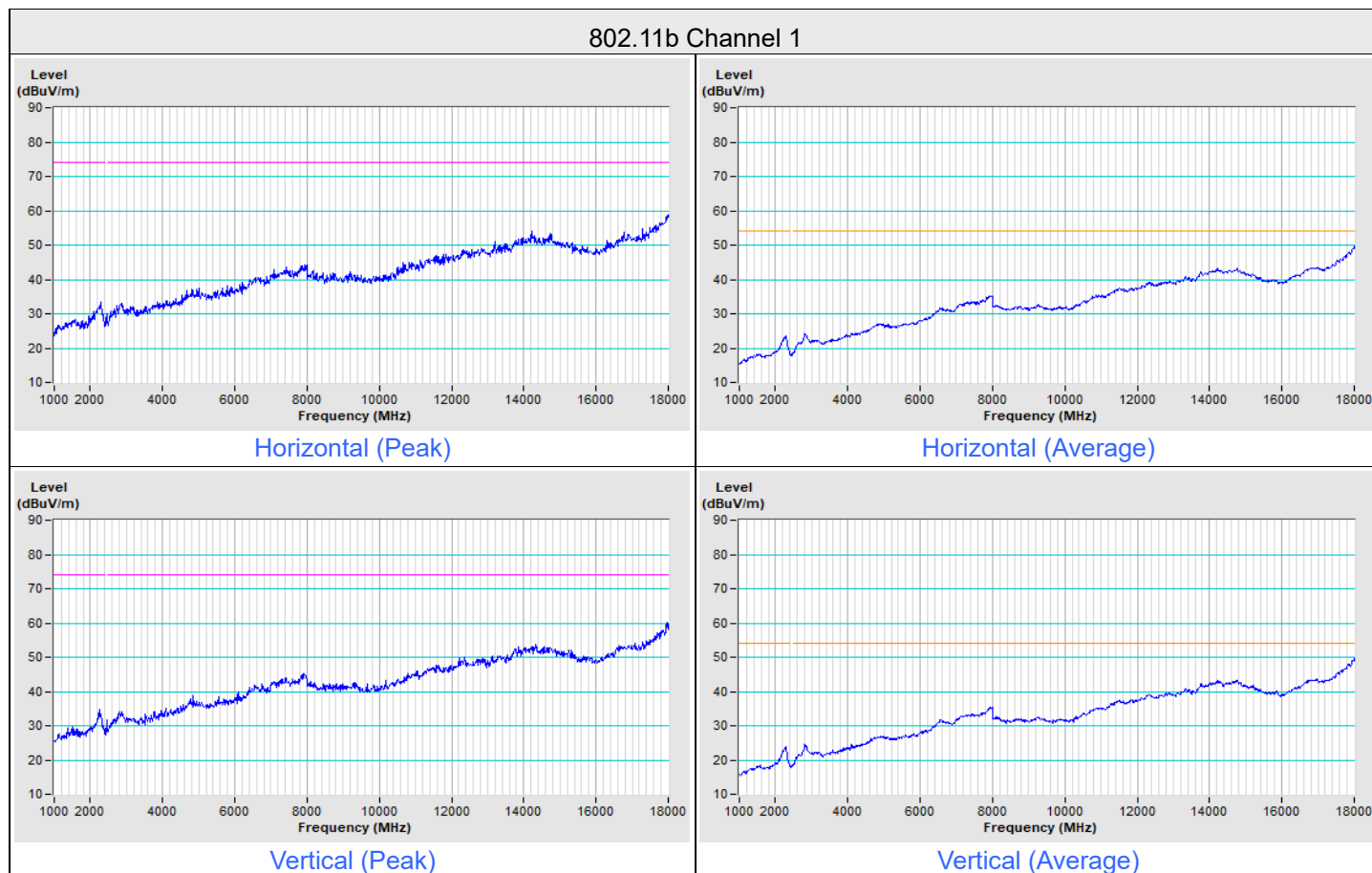


Vertical (Average)

Plot of Other Emission

Mode A

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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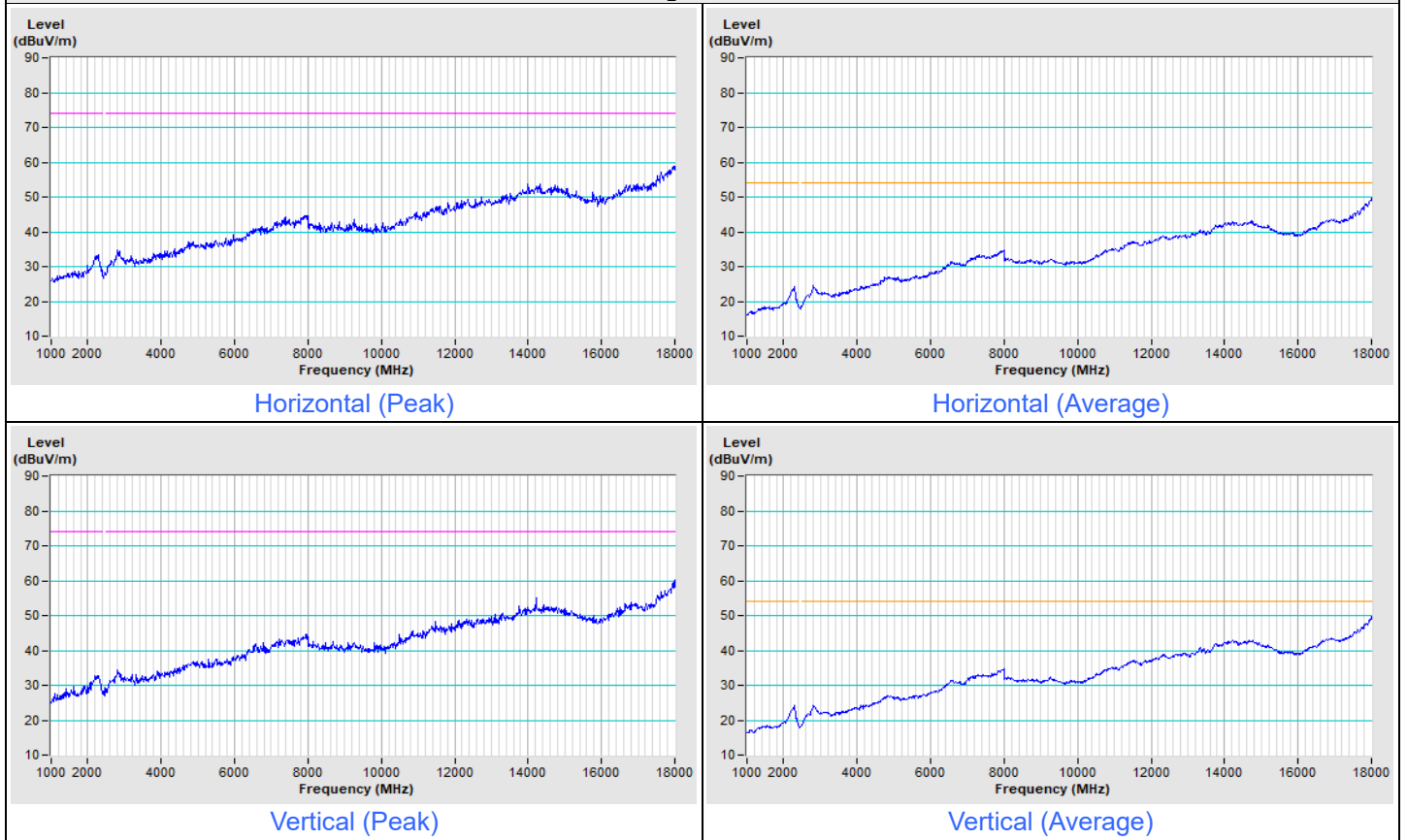


Notes:

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

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

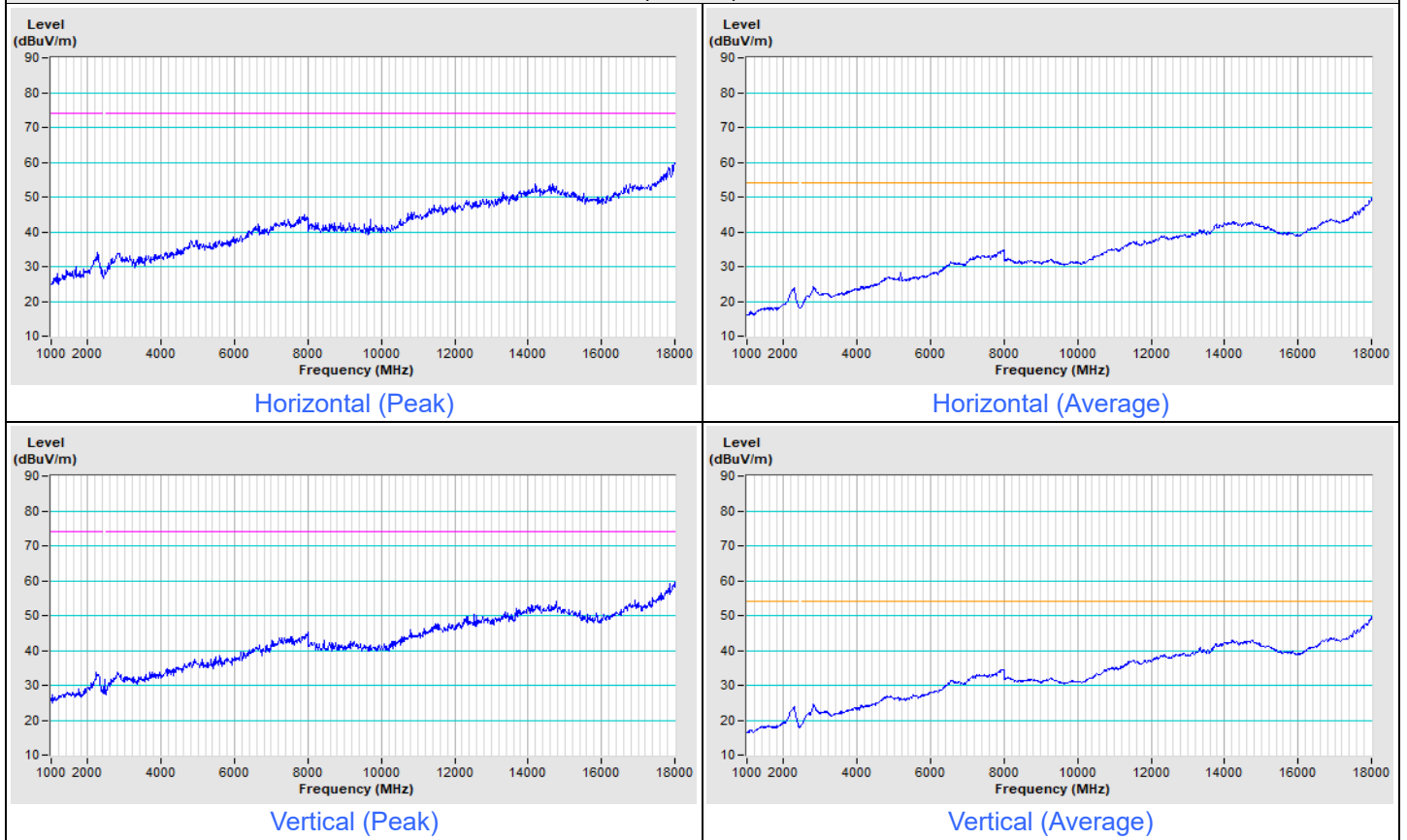


Notes:

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

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

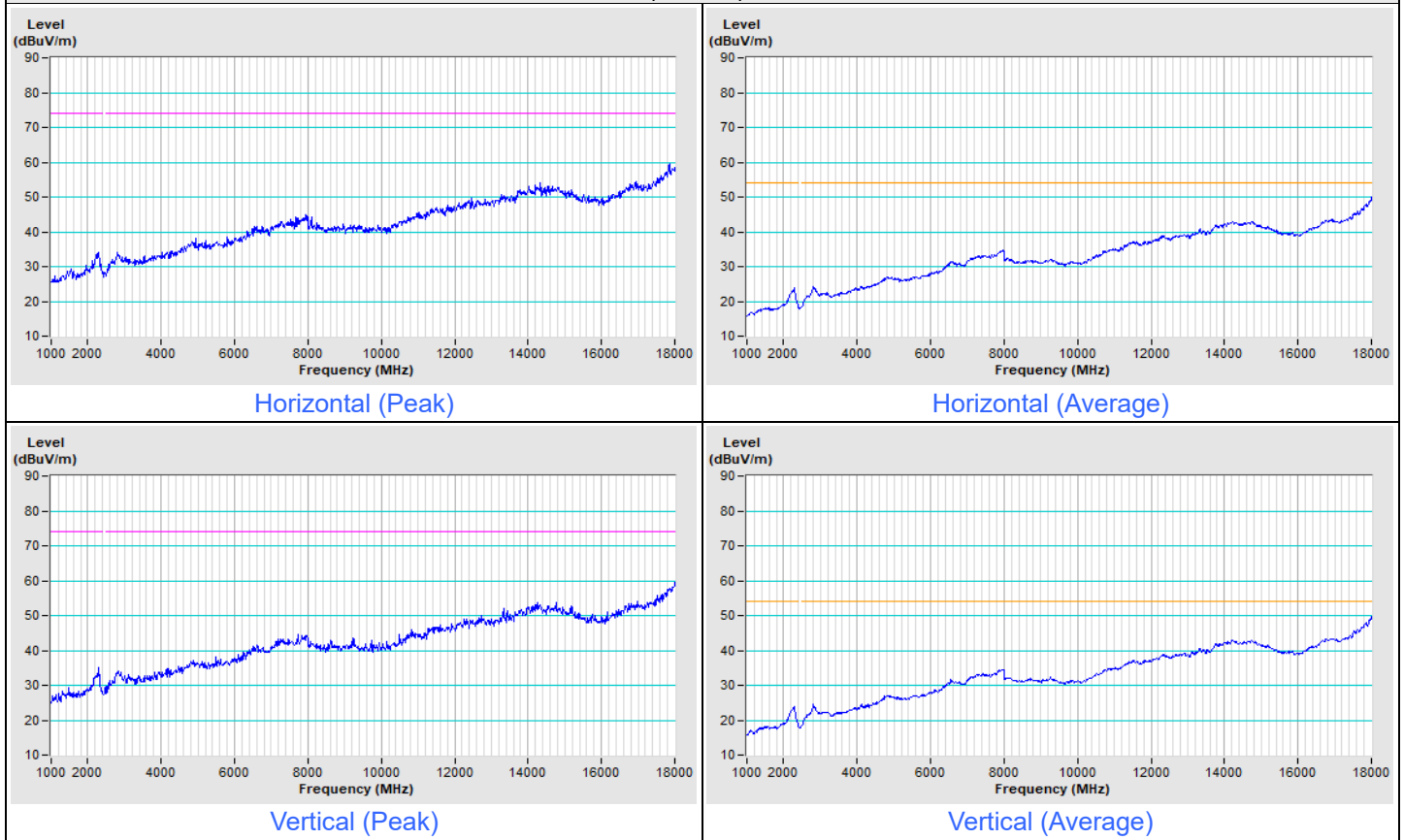


Notes:

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

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



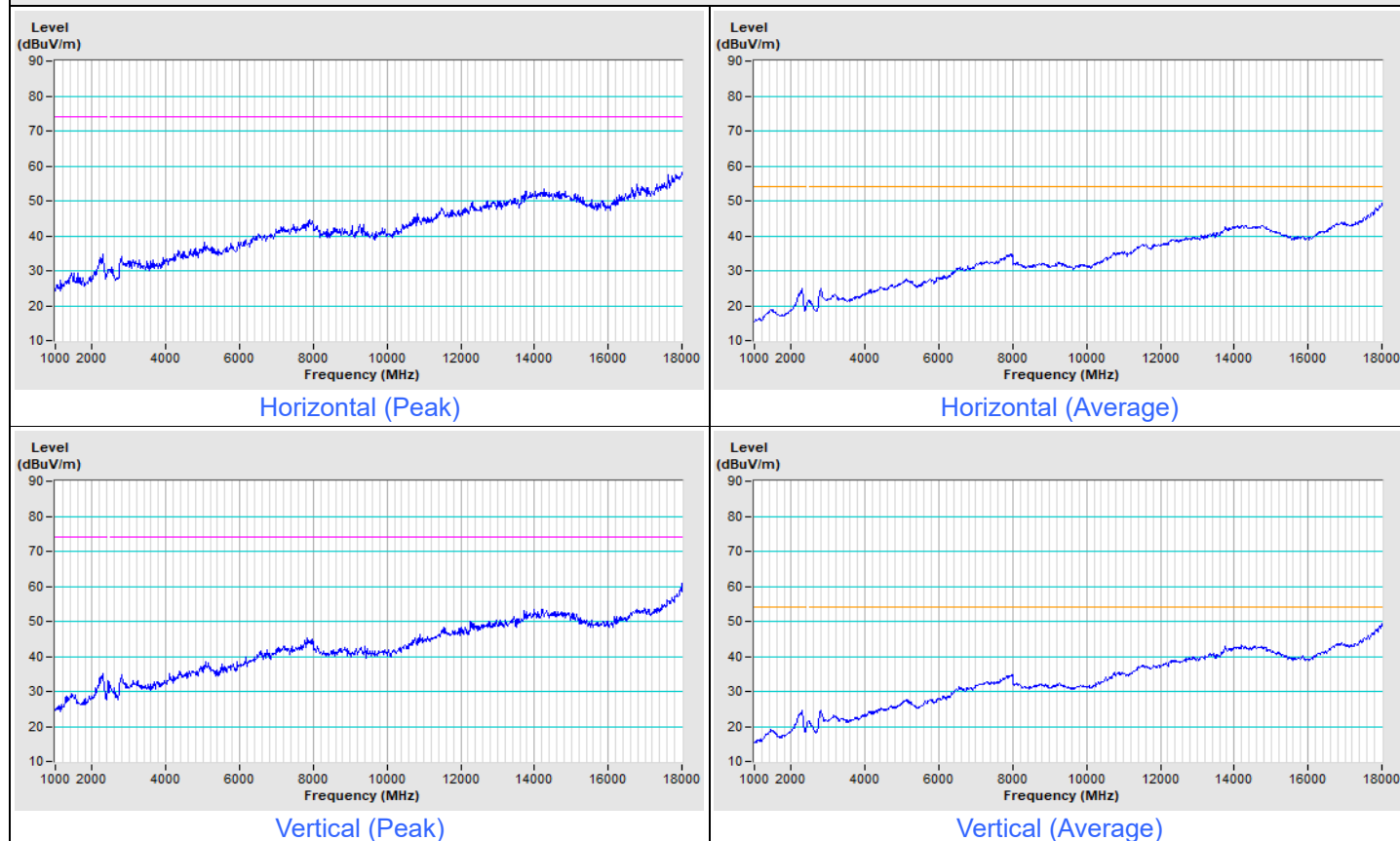
Notes:

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

Mode B

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

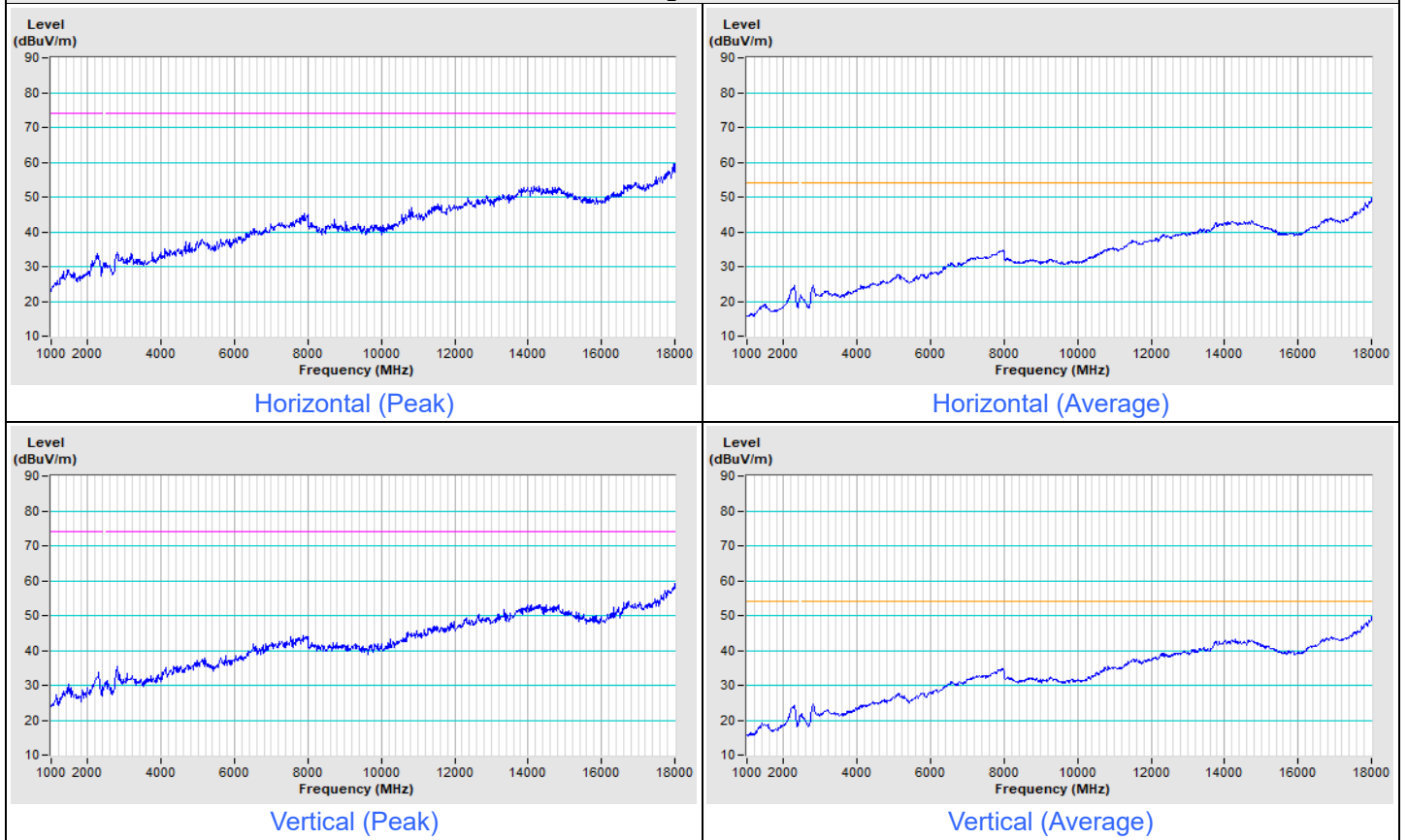


Notes:

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

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

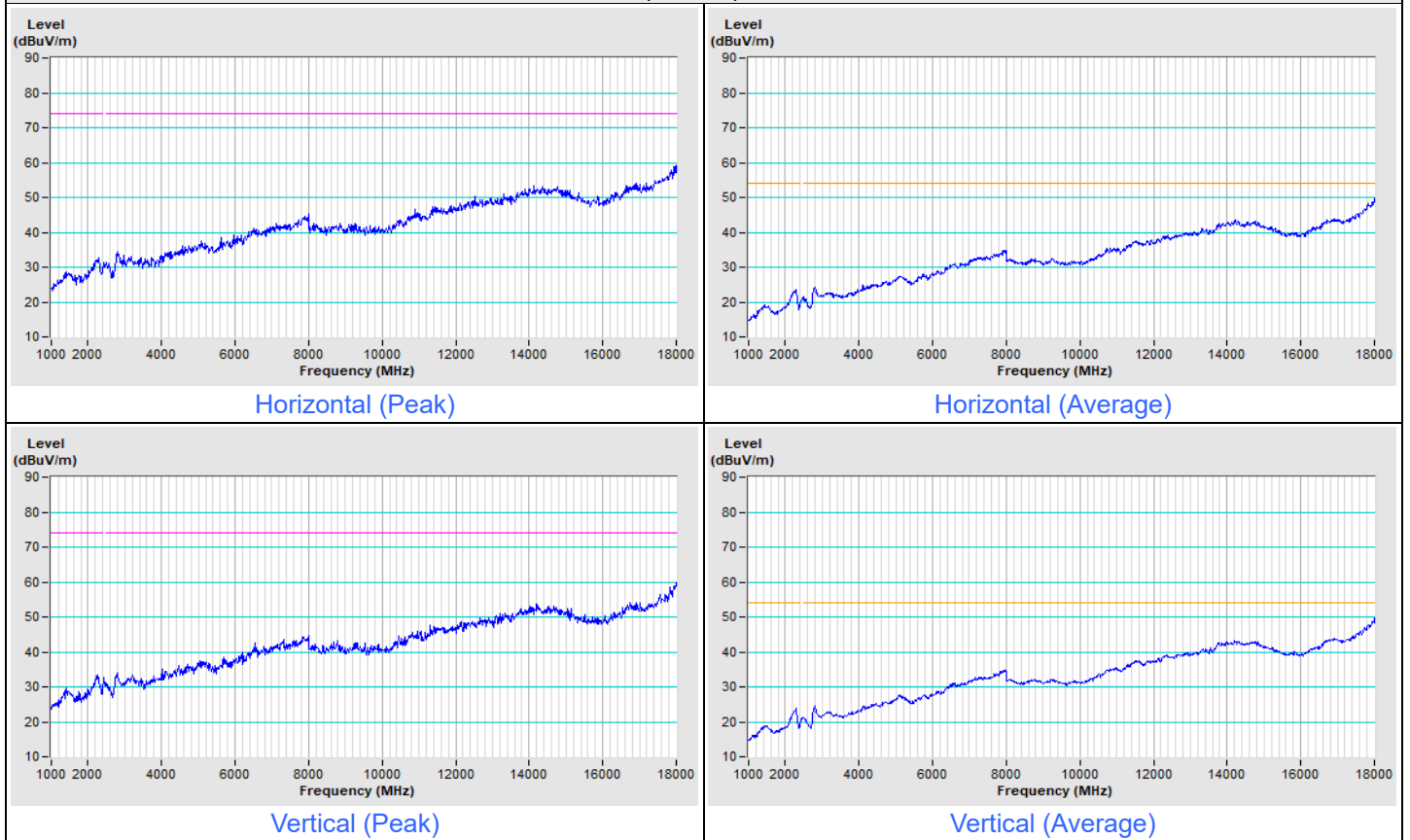


Notes:

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

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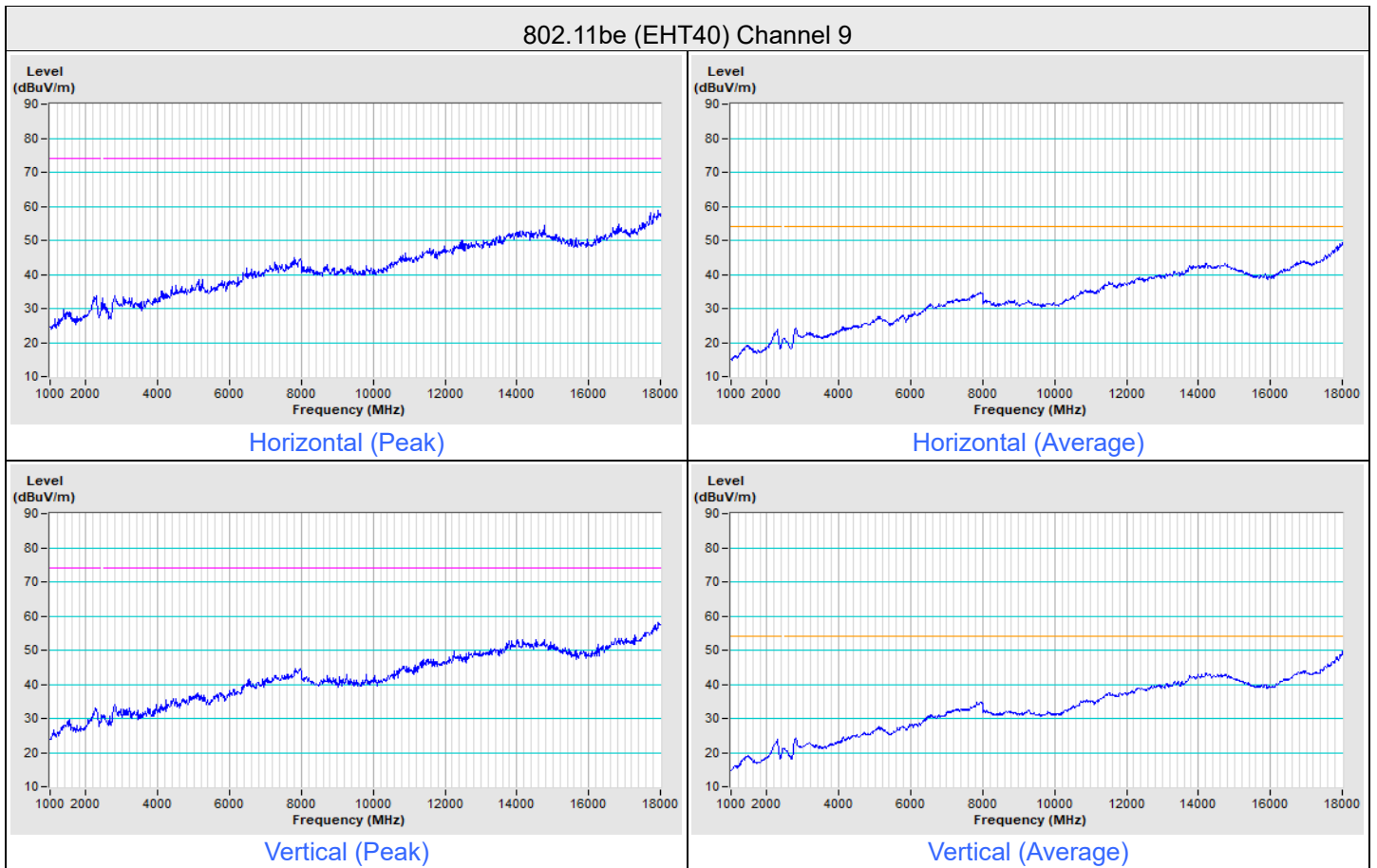
802.11be (EHT20) Channel 11



Notes:

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

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

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

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

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

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