TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart C (Section 15.247)**
Report No.:	RFBFLF-WTW-P24030354
FCC ID:	MSQ-RTBE7J00
Product:	BE14000 Tri Band WiFi Router / BE9400 Tri Band WiFi Router
Brand:	ASUS
Model No.:	BT8, BT6
Series Model:	BE14000
Received Date:	2024/5/31
Test Date:	2024/7/3 ~ 2024/7/11
Issued Date:	2024/8/15
Applicant:	ASUSTeK COMPUTER INC.
Address:	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: Wen Yu , **Date:** 2024/8/15

Wen Yu / Assistant Manager

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBFLF-WTW-P24030354	Original release.	2024/8/15

1 Certificate

Product:	BE14000 Tri Band WiFi Router / BE9400 Tri Band WiFi Router
Brand:	ASUS
Test Model:	BT8, BT6
Series Model:	BE14000
Sample Status:	Engineering sample
Applicant:	ASUSTeK COMPUTER INC.
Test Date:	2024/7/3 ~ 2024/7/11
Standard:	47 CFR FCC Part 15, Subpart C (Section 15.247)
Measurement procedure:	ANSI C63.10-2013 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 -15.21 dB at 0.34141 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.1 dB at 43.46 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.6 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description

Product	BE14000 Tri Band WiFi Router / BE9400 Tri Band WiFi Router
Brand	ASUS
Test Model	BT8, BT6
Series Model	BE14000
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from adapter
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in VHT mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 300 Mbps VHT: up to 400 Mbps 802.11ax: up to 573.5 Mbps 802.11be: up to 688.2 Mbps
Operating Frequency	2.412 GHz ~ 2.462 GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20), 802.11be (EHT20): 11 802.11n (HT40), VHT40, 802.11ax (HE40), 802.11be (EHT40): 7
Output Power	**CDD Mode:** 996.859 mW (29.99 dBm) **Beamforming Mode:** 710.999 mW (28.52 dBm)

Note:

1. The EUT has below model names, more detailed information as below table.

Product Name	Model Name	I/O port	Description
BE14000 Tri Band WiFi Router	BT8	2.5G*2+1G*2	In all the models, the RF parameters/design are identical; the difference model for the different models is the I/O port supported.
	BE14000		
BE9400 Tri Band WiFi Router	BT6	2.5G*1+1G*3	

2. The EUT uses following accessories.

Item	Brand	Model	Specification
RJ45 cable	Eje	902-0A01287	Specification: Cat 5e, 1.5m
AC Adapter 1 (1st source)	APD	WA-36N12FU	AC Input: 100-240 V~, 50-60 Hz, 0.9 A Max DC Output: 12.0⎓, 3.0 A, 36.0 W DC Output Cable: 1.75 m, unshielded
AC Adapter 2 (2nd source)	I.T.E	MU36D1120300-A1	AC Input: 100-240 V~, 50-60 Hz, 1.0 A Max DC Output: 12.0⎓, 3.0 A DC Output Cable: 1.75 m, unshielded

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

4. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WLAN (6 GHz)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.			

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	2.4G 0 5G 0	WHA YU	C660-510629-A	1.81 5.03 4.71 4.19 3.99	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Dipole	ipex(MHF)	87
2	2.4G 1 5G 1	WHA YU	C660-510629-A	2.18 4.43 3.78 3.18 4.59	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Dipole	ipex(MHF)	92
3	5G 2 (ZW DFS scan, RX only)	WHA YU	C660-510629-A	5.51 4.65 5.95 6.11	5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Dipole	ipex(MHF)	70
4	5G 3	WHA YU	C660-510629-A	4.56 4.84 6.22 6.19	5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Dipole	ipex(MHF)	88
5	6G 0	WHA YU	C660-510629-A	4.25 3.88 3.93 5.12	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	ipex(MHF)	86
6	6G 1	WHA YU	C660-510629-A	3.77 3.26 2.96 3.34	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	ipex(MHF)	83
7	6G 2	WHA YU	C660-510629-A	3.19 3.07 2.36 3.25	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	ipex(MHF)	100

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

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

Frequency Range (GHz)	Directional Antenna Gain (dBi)		Antenna Type	Connector Type
	Nss1	Nss2		
2.4 ~ 2.4835	7.45	-	Dipole	ipex(MHF)
5.15 ~ 5.25	7.59	5.81	Dipole	ipex(MHF)
5.25 ~ 5.35	7.81	6.04	Dipole	ipex(MHF)
5.47 ~ 5.725	7.76	6.05	Dipole	ipex(MHF)
5.725 ~ 5.85	7.54	6.01	Dipole	ipex(MHF)
5.925 ~ 6.425	5.77	3.64	Dipole	ipex(MHF)
6.425~6.525	5.39	3.11	Dipole	ipex(MHF)
6.525~6.875	5.74	3.28	Dipole	ipex(MHF)
6.875~7.125	5.07	3.03	Dipole	ipex(MHF)

3. The EUT incorporates a MIMO function:

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

Note:
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 manufacturer will control the power for 802.11n/VHT/ax mode is same as the 802.11be mode or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

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

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

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

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

3.4 Test Mode Applicability and Tested Channel Detail

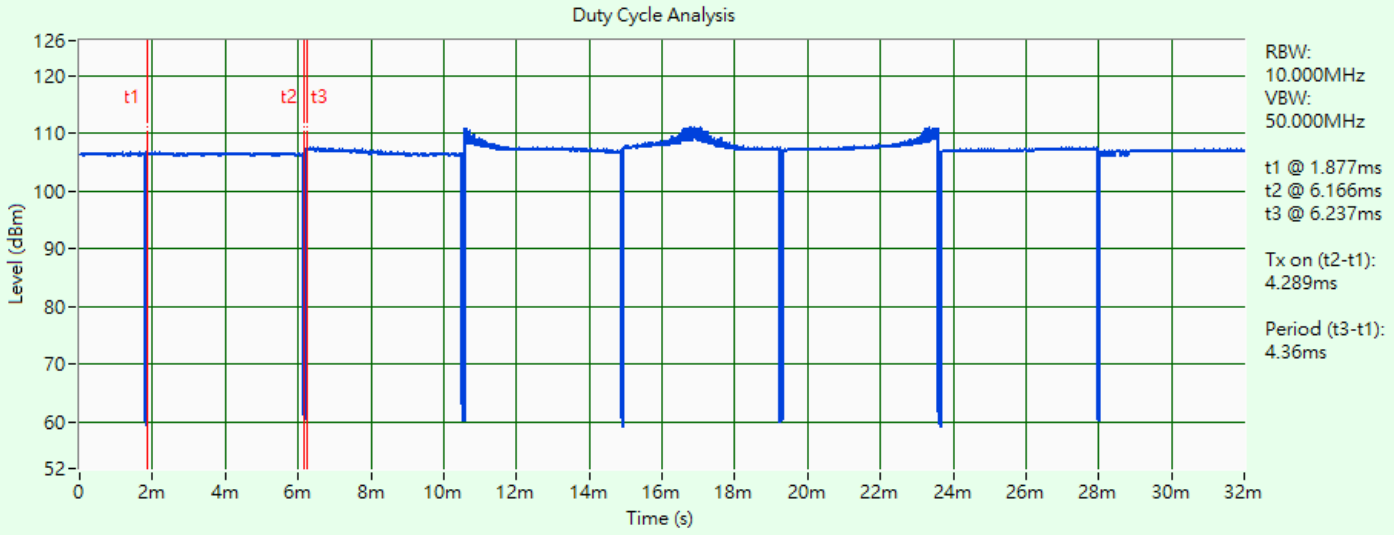
Pre-Scan:	1. The EUT has the following configure modes: Configure A/ Configure B. Pre-scan these modes and find the worst case as a representative test condition except for Unwanted Emissions below 1 GHz and AC Power Conducted Emissions test items. 2. The AC Adapter has the following models: Adapter 1/ Adapter 2. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. EUT configure mode worst condition (except Unwanted Emissions below 1 GHz and AC Power Conducted Emissions test items): Configure A 2. AC Adapter worst condition: Adapter 2

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

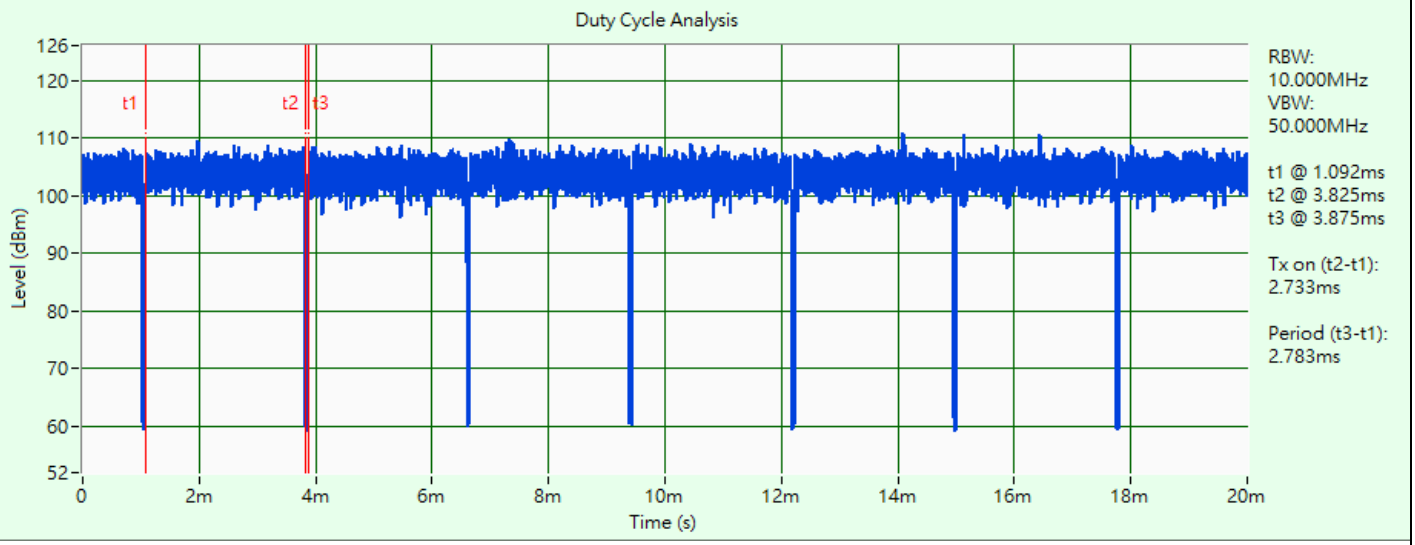
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	A	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g		1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	Beamforming	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)		3, 6, 9	BPSK	MCS0
Power Spectral Density	A	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g		1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	Beamforming	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)		3, 6, 9	BPSK	MCS0
6 dB Bandwidth / Conducted Out of Band Emissions	A	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g		1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	Beamforming	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)		3, 6, 9	BPSK	MCS0
AC Power Conducted Emissions	A, B	802.11be (EHT20)	Beamforming	6	BPSK	MCS0
Unwanted Emissions below 1 GHz	A, B	802.11be (EHT20)	Beamforming	6	BPSK	MCS0
Unwanted Emissions above 1 GHz	A	802.11b	CDD	1, 6, 11	DBPSK	1Mb/s
		802.11g		1, 6, 11	BPSK	6Mb/s
		802.11be (EHT20)	Beamforming	1, 6, 11	BPSK	MCS0
		802.11be (EHT40)		3, 6, 9	BPSK	MCS0
EUT Configure Mode:	A	Model: BT8				
	B	Model: BT6				
Note: Partial RU (resource unit) and channel puncturing mechanisms are not supported.						

3.5 Duty Cycle of Test Signal

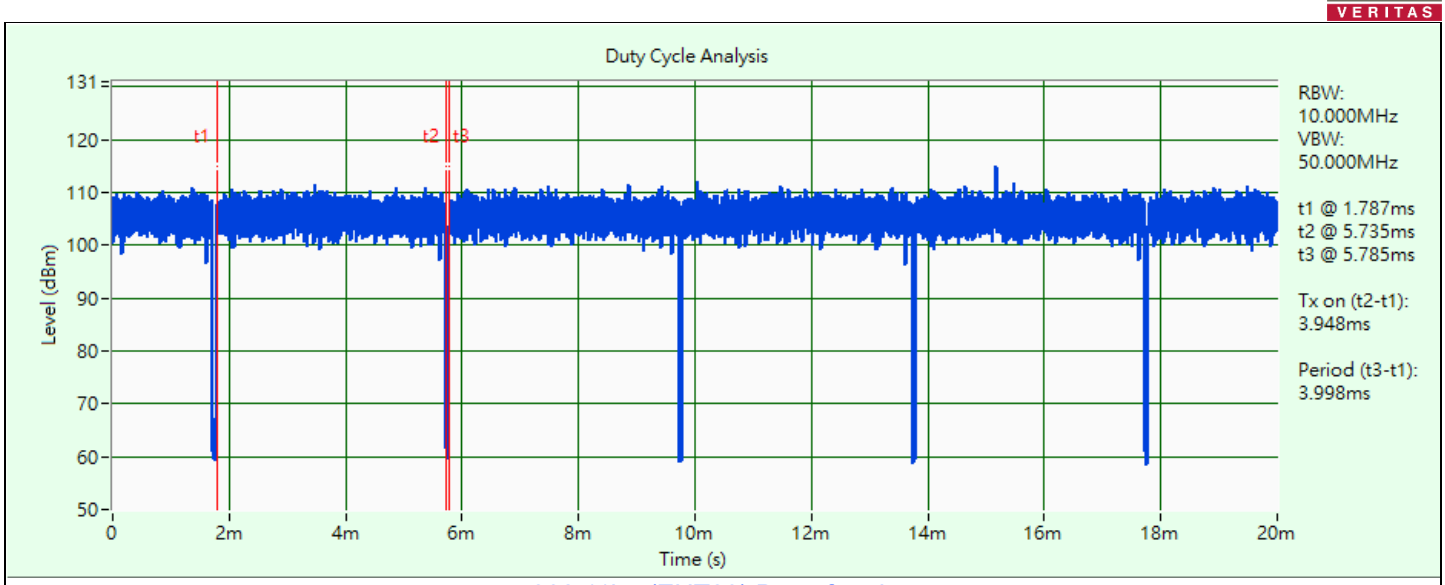
802.11b CDD: Duty cycle = 4.289 ms / 4.36 ms x 100% = 98.4%
802.11g CDD: Duty cycle = 2.733 ms / 2.783 ms x 100% = 98.2%
802.11be (EHT20) Beamforming: Duty cycle = 3.948 ms / 3.998 ms x 100% = 98.7%
802.11be (EHT40) Beamforming: Duty cycle = 2.895 ms / 2.946 ms x 100% = 98.3%



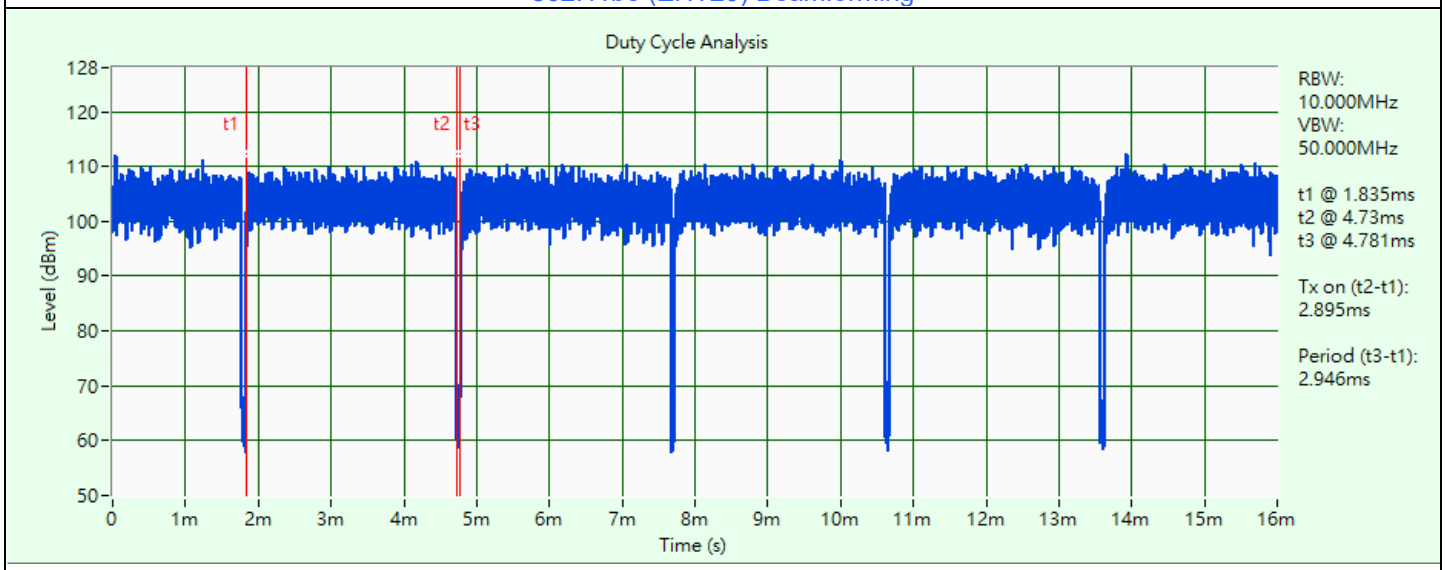
802.11b CDD



802.11g CDD



802.11be (EHT20) Beamforming



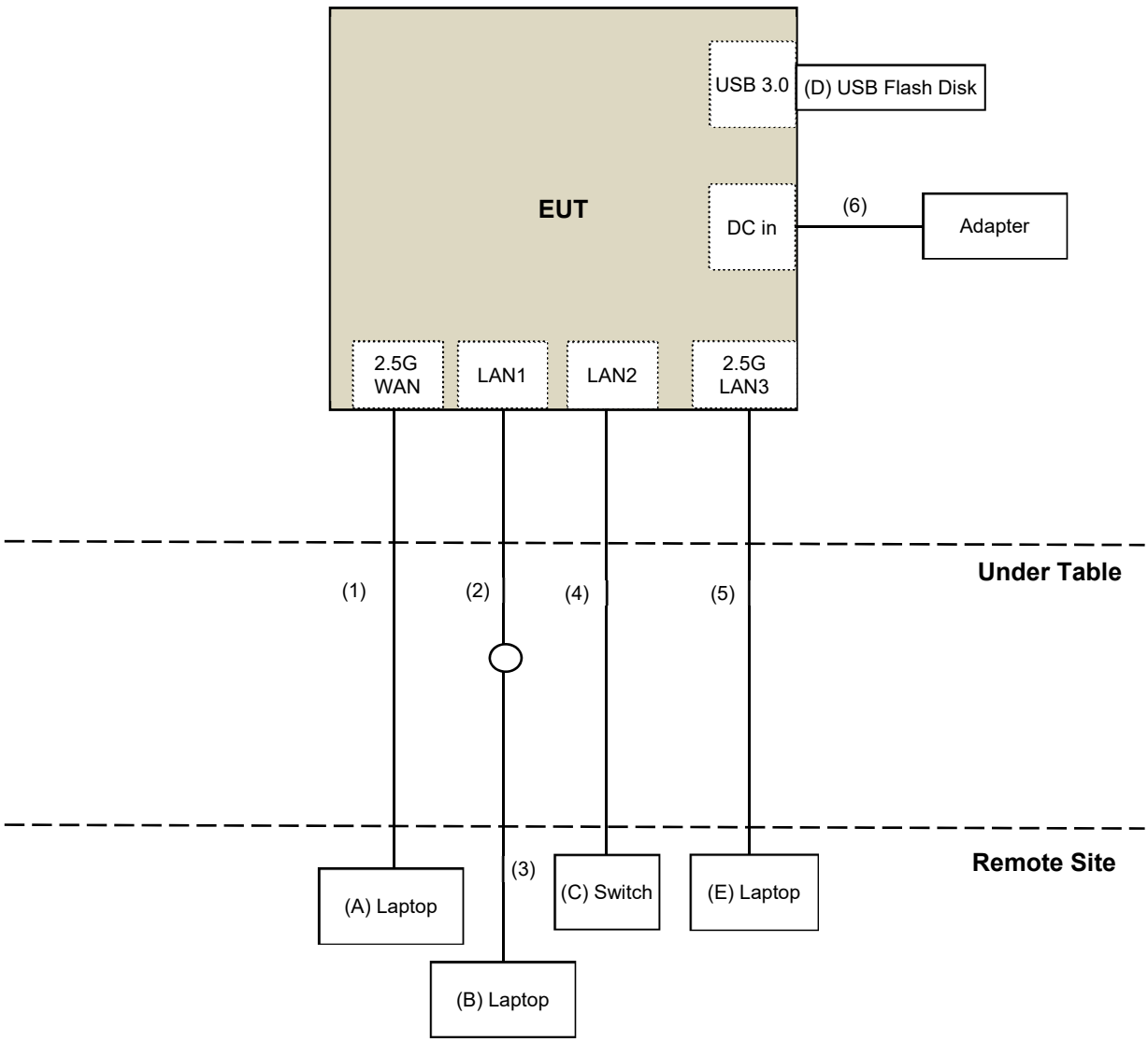
802.11be (EHT40) Beamforming

3.6 Test Program Used and Operation Descriptions

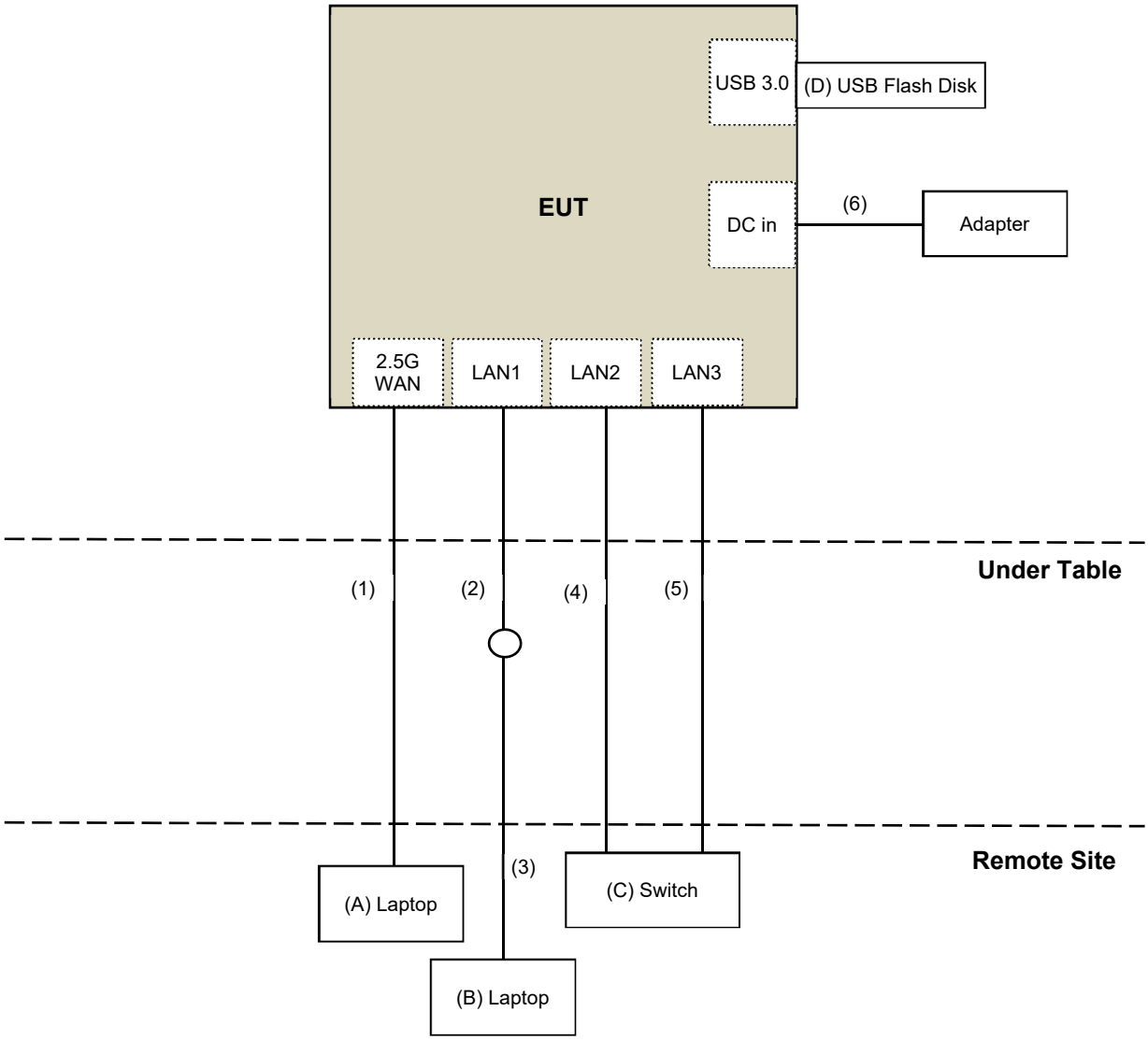
Controlling software (HyperTerminal paste “ASUS BT8 TX CDD command.txt” command) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B


EUT
USB 3.0
(D) USB Flash Disk
DC in
(6)
Adapter
2.5G WAN
LAN1
LAN2
LAN3
(1)
(2)
(4)
(5)
Under Table
(3)
(A) Laptop
(C) Switch
(B) Laptop
Remote Site

3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	Latitude E6420	HPFC5Q1	DoC	Provided by Lab
B	Laptop	DELL	E6440	F9LYQ32	DoC	Provided by Lab
C	Switch	D-Link	DGS-1005D	DR8WC92000523	N/A	Provided by Lab
D	USB Flash Disk	SanDisk	128GB E4BDC	SDDDC4	N/A	Provided by Lab
E	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	No	0	Provided by Lab
2	RJ-45 Cable	1	1.5	No	0	Supplied by applicant
3	RJ-45 Cable	1	10	No	0	Provided by Lab
4	RJ-45 Cable	1	10	No	0	Provided by Lab
5	RJ-45 Cable	1	10	No	0	Provided by Lab
6	DC Cable	1	1.75	No	0	Supplied by applicant

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/7/3

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/7/3

4.3 6 dB Bandwidth

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

4.4 Conducted Out of Band Emissions

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

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2023/10/20	2024/10/19
EMI Test Receiver R&S	ESCS 30	847124/029	2023/10/18	2024/10/17
Fixed Attenuator STI	STI02-2200-10	005	2024/2/19	2025/2/18
LISN R&S	ESH3-Z5	835239/001	2024/4/3	2025/4/2
		848773/004	2023/10/13	2024/10/12
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2024/2/19	2025/2/18
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2024/7/11

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0942	2023/10/12	2024/10/11
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-01	2024/5/16	2025/5/15
Loop Antenna Electro-Metrics	EM-6879	264	2024/2/23	2025/2/22
MXA Signal Analyzer Keysight	N9020B	MY60112410	2024/3/13	2025/3/12
MXE EMI Receiver Keysight	N9038A	MY59050100	2024/6/19	2025/6/18
Preamplifier EMCI	EMC330N	980852	2024/2/17	2025/2/16
	EMC001340	980142	2024/2/19	2025/2/18
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2024/2/19	2025/2/18
		LOOPCAB-002	2024/2/19	2025/2/18
RF Coaxial Cable PEWC	8D	966-6-1	2024/5/16	2025/5/15
		966-6-2	2024/5/16	2025/5/15
		966-6-3	2024/5/16	2025/5/15
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:
1. The test was performed in 966 Chamber No. 6.
2. Tested Date: 2024/7/4

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-2035	2023/11/12	2024/11/11
	BBHA 9170	BBHA9170519	2023/11/12	2024/11/11
MXA Signal Analyzer Keysight	N9020B	MY60112410	2024/3/13	2025/3/12
MXE EMI Receiver Keysight	N9038A	MY59050100	2024/6/19	2025/6/18
Preamplifier EMCI	EMC12630SE	980385	2024/6/1	2025/5/31
	EMC184045SE	980387	2023/8/9	2024/8/8
RF Coaxial Cable EMCI	EMC104-SM-SM-1300	210205	2024/6/1	2025/5/31
	EMC104-SM-SM-2000	210203	2024/6/1	2025/5/31
	EMC104-SM-SM-8000	221015	2024/6/1	2025/5/31
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:
1. The test was performed in 966 Chamber No. 6.
2. Tested Date: 2024/7/3

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

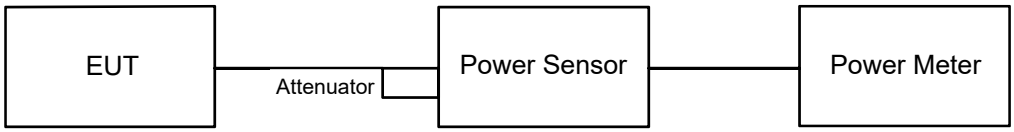
Notes:

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

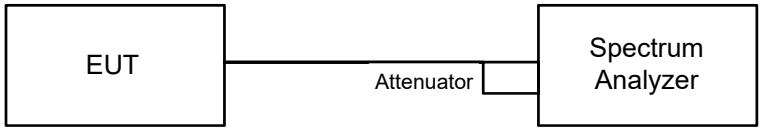


6.1.2 Test Procedure

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



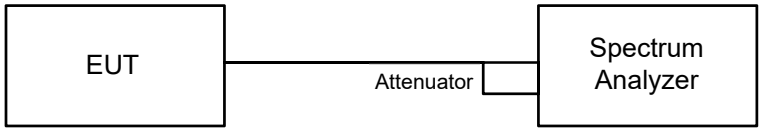
6.2.2 Test Procedure

a. Measure the duty cycle (x).
b. Set instrument center frequency to DTS channel center frequency.
c. Set span to at least 1.5 times the OBW.
d. Set RBW to: 3 kHz.
e. Set VBW ≥3 x RBW.
f. Detector = power averaging (RMS) or sample detector (when RMS not available).
g. Ensure that the number of measurement points in the sweep ≥ 2 x span/RBW.
h. Sweep time = auto couple.
i. Do not use sweep triggering. Allow sweep to “free run”.
j. Employ trace averaging (RMS) mode over a minimum of 100 traces.
k. 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

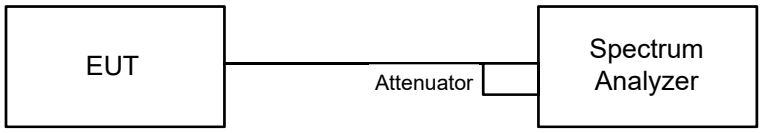


6.3.2 Test Procedure

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

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

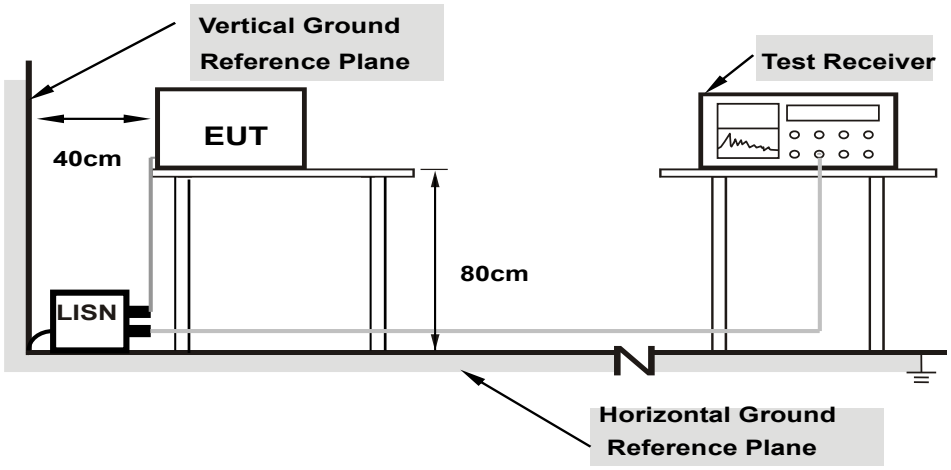
a. Set the RBW = 100 kHz.
b. Set the VBW ≥ 300 kHz.
c. Detector = peak.
d. Sweep time = auto couple.
e. Trace mode = max hold.
f. Allow trace to fully stabilize.
g. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

a. Set RBW = 100 kHz.
b. Set VBW ≥ 300 kHz.
c. Detector = peak.
d. Sweep = auto couple.
e. Trace Mode = max hold.
f. Allow trace to fully stabilize.
g. 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

a. 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.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

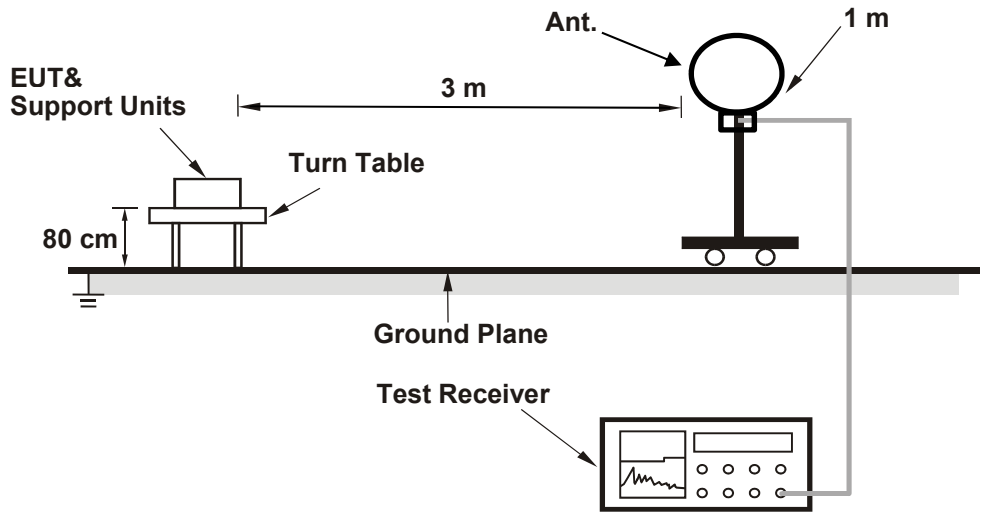
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

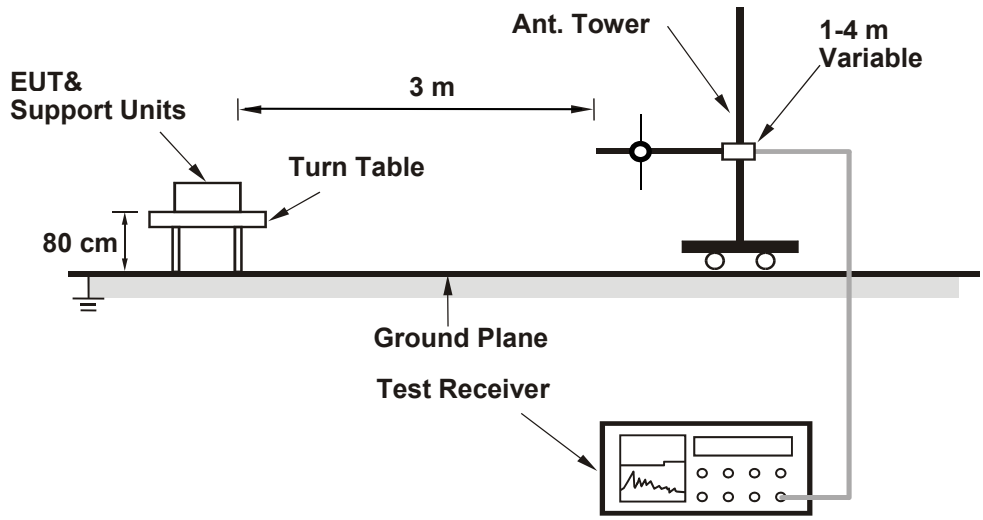
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

For Radiated emission below 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

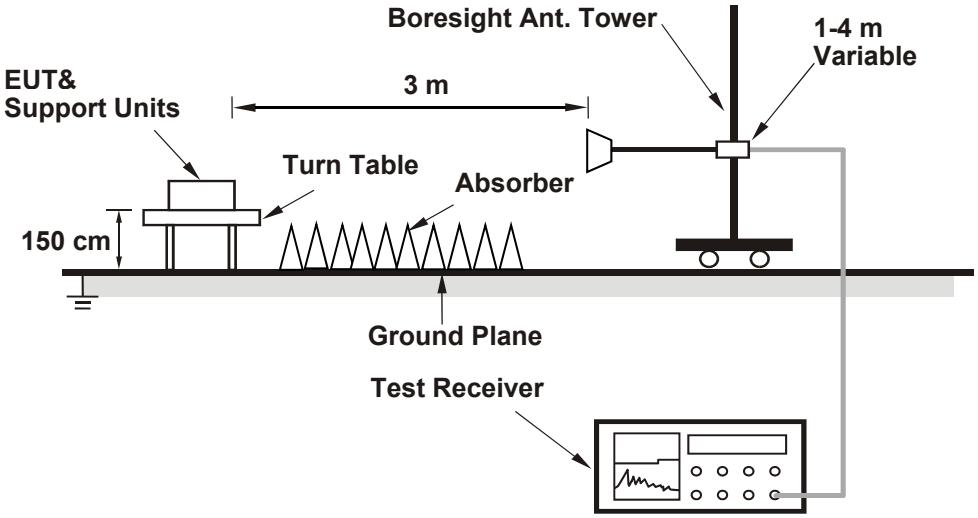
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



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

6.7.2 Test Procedure

a. 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.

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 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:

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

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

802.11b CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	27.22	26.70	994.965	29.98	30	Pass
6	2437	27.05	26.90	996.77	29.99	30	Pass
11	2462	27.07	26.88	996.859	29.99	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.18 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11g CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2412	24.51	23.99	533.099	27.27	30	Pass
6	2437	27.08	26.72	980.399	29.91	30	Pass
11	2462	22.85	22.61	375.142	25.74	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. The maximum gain is 2.18 dBi < 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	23.67	22.95	430.051	26.34	28.55	Pass
6	2437	25.77	25.23	710.999	28.52	28.55	Pass
11	2462	22.69	21.87	339.596	25.31	28.55	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. The directional gain is 7.45 dBi > 6 dBi, so the output power limit shall be reduced to 30-(7.45-6) = 28.55 dBm.

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
3	2422	21.14	20.55	243.518	23.87	28.55	Pass
6	2437	22.39	22.12	336.31	25.27	28.55	Pass
9	2452	21.02	20.92	250.068	23.98	28.55	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. The directional gain is 7.45 dBi > 6 dBi, so the output power limit shall be reduced to 30-(7.45-6) = 28.55 dBm.

7.2 Power Spectral Density

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

802.11b CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-3.18	-2.92	-0.04	6.55	Pass
6	2437	-3.61	-3.85	-0.72	6.55	Pass
11	2462	-3.30	-2.94	-0.11	6.55	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 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 8-(7.45-6) = 6.55 dBm/3kHz.

802.11g CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-12.29	-12.17	-9.22	6.55	Pass
6	2437	-8.84	-8.54	-5.68	6.55	Pass
11	2462	-12.36	-12.47	-9.40	6.55	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 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 8-(7.45-6) = 6.55 dBm/3kHz.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2412	-13.73	-14.23	-10.96	6.55	Pass
6	2437	-10.62	-10.39	-7.49	6.55	Pass
11	2462	-14.79	-14.66	-11.71	6.55	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 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 8-(7.45-6) = 6.55 dBm/3kHz.

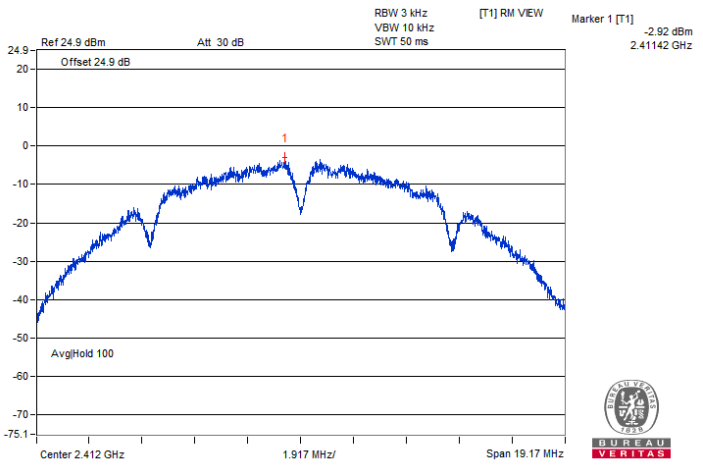
802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
3	2422	-17.82	-18.49	-15.13	6.55	Pass
6	2437	-17.11	-16.83	-13.96	6.55	Pass
9	2452	-18.15	-18.18	-15.15	6.55	Pass

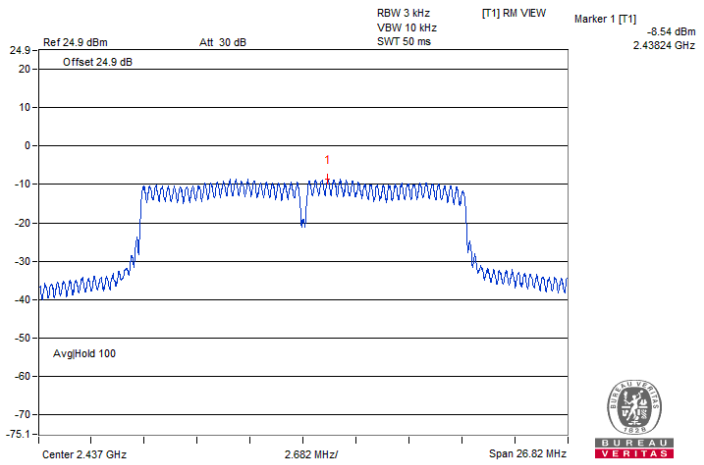
Notes:

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 7.45 dBi > 6 dBi, so the power density limit shall be reduced to 8-(7.45-6) = 6.55 dBm/3kHz.

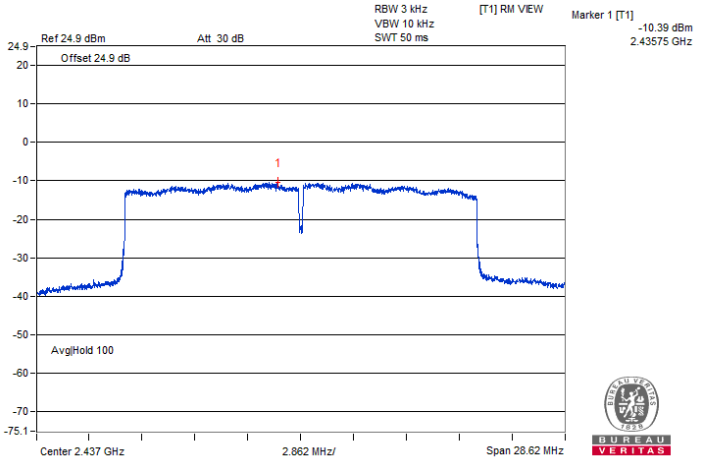
Spectrum Plot of Maximum Value



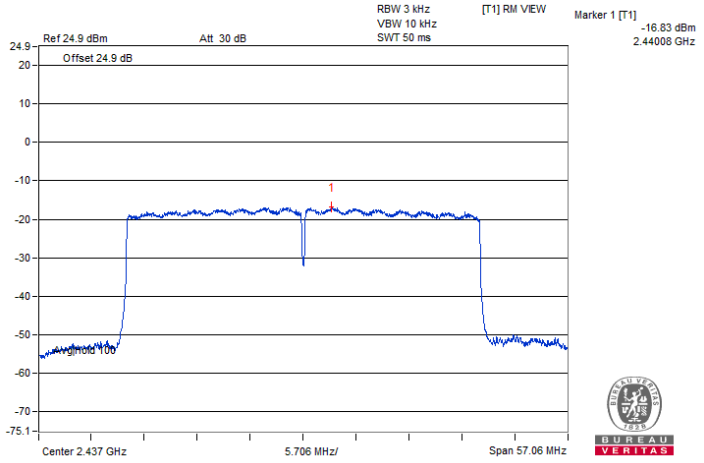
802.11b CDD / Chain 1 : CH 1



802.11g CDD / Chain 1 : CH 6



802.11be (EHT20) Beamforming / Chain 1 : CH 6



802.11be (EHT40) Beamforming / Chain 1 : CH 6

7.3 6 dB Bandwidth

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

802.11b CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	7.83	7.93	0.5	Pass
6	2437	7.82	7.85	0.5	Pass
11	2462	7.74	8.11	0.5	Pass

802.11g CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	16.31	16.35	0.5	Pass
6	2437	16.34	16.34	0.5	Pass
11	2462	16.32	16.32	0.5	Pass

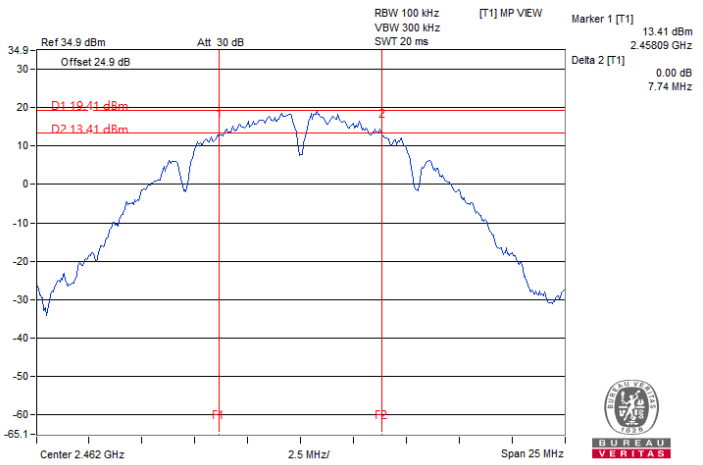
802.11be (EHT20) Beamforming

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2412	18.86	18.70	0.5	Pass
6	2437	18.84	18.61	0.5	Pass
11	2462	18.88	18.59	0.5	Pass

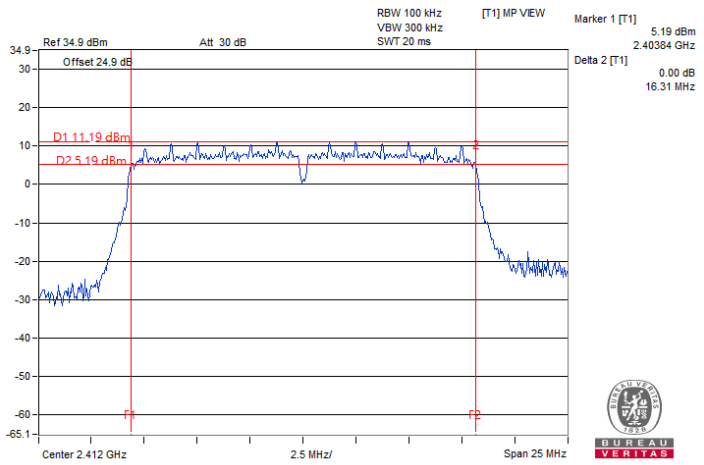
802.11be (EHT40) Beamforming

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	2422	37.94	37.60	0.5	Pass
6	2437	38.04	37.41	0.5	Pass
9	2452	37.84	37.71	0.5	Pass

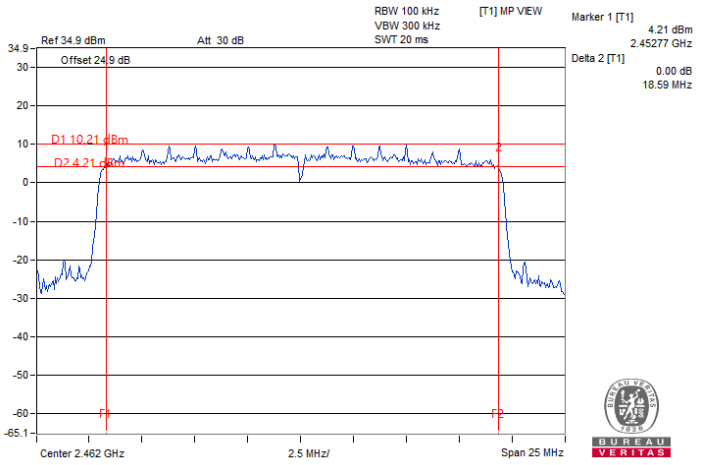
Spectrum Plot of Minimum Value



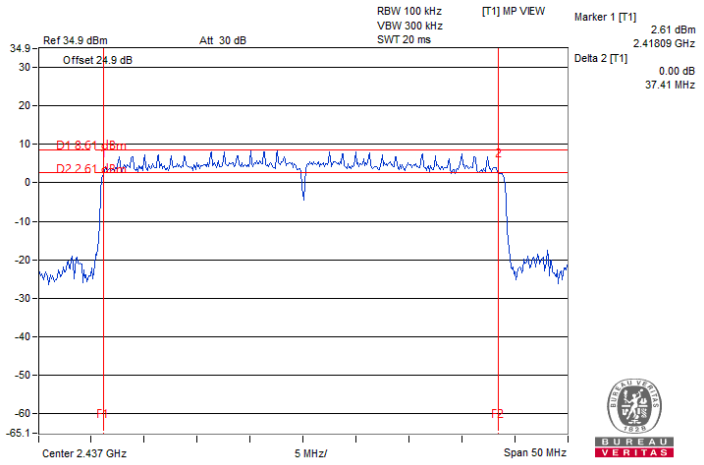
802.11b CDD / Chain 0 : CH 11



802.11g CDD / Chain 0 : CH 1



802.11be (EHT20) Beamforming / Chain 1 : CH 11

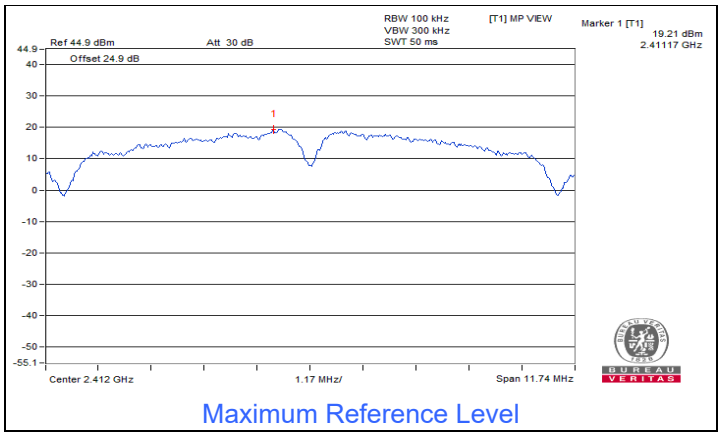


802.11be (EHT40) Beamforming / Chain 1 : CH 6

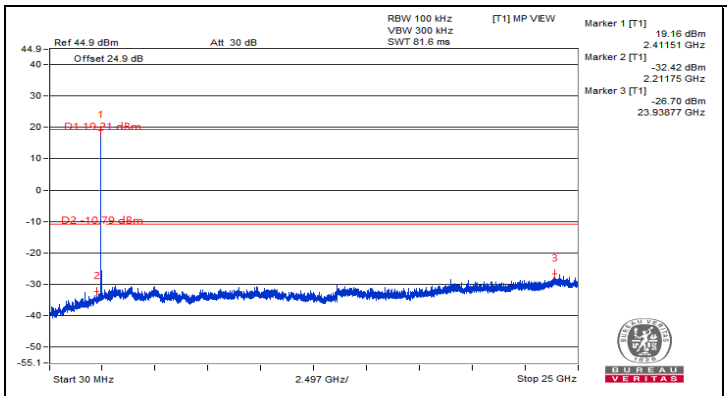
7.4 Conducted Out of Band Emissions

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Dolly Chung

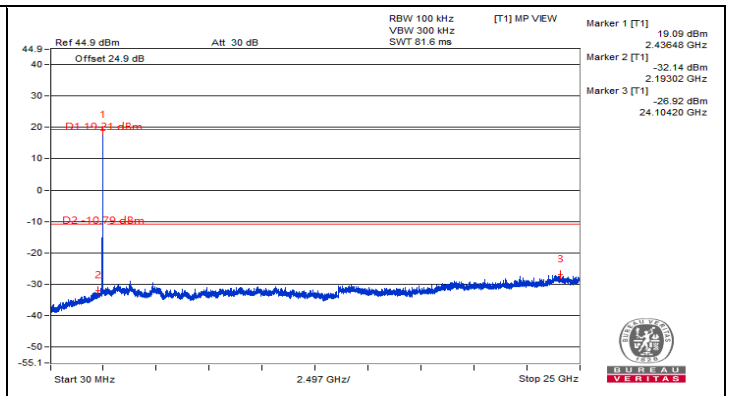
802.11b CDD



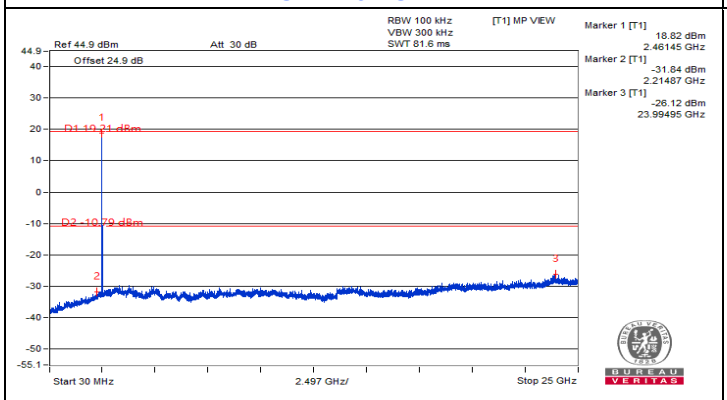
Maximum Reference Level



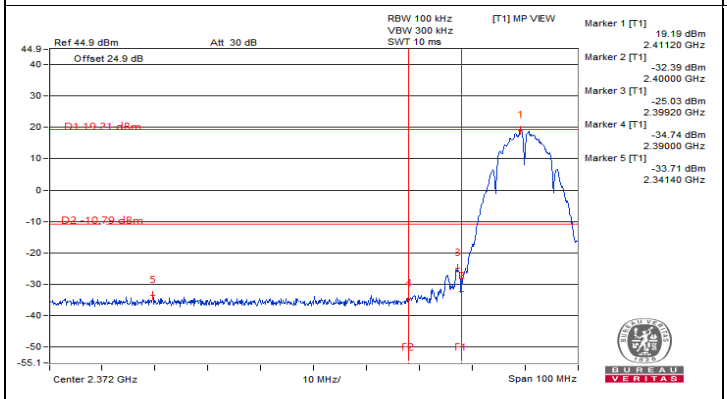
Chain 0 : CH 1



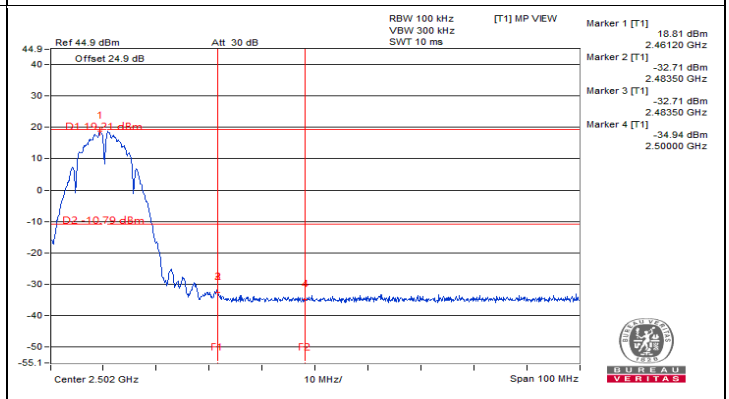
Chain 0 : CH 6



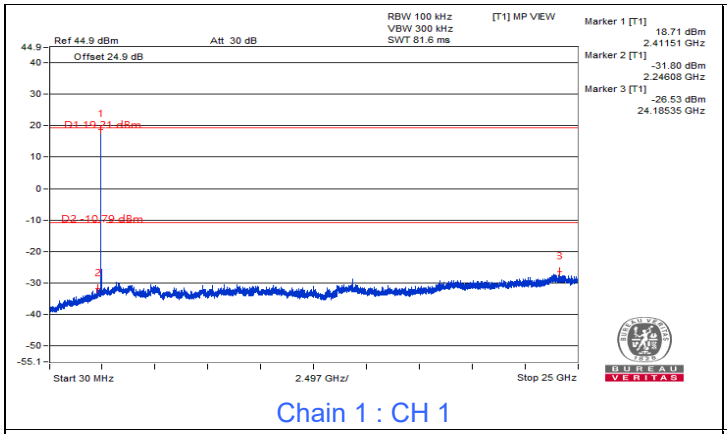
Chain 0 : CH 11



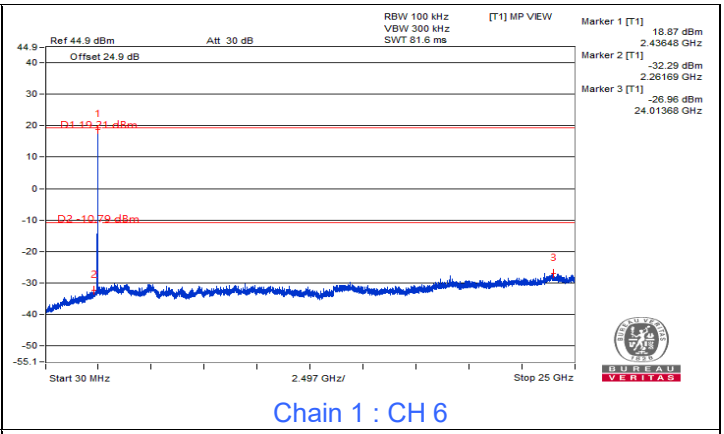
Chain 0 : CH 1 Band edge



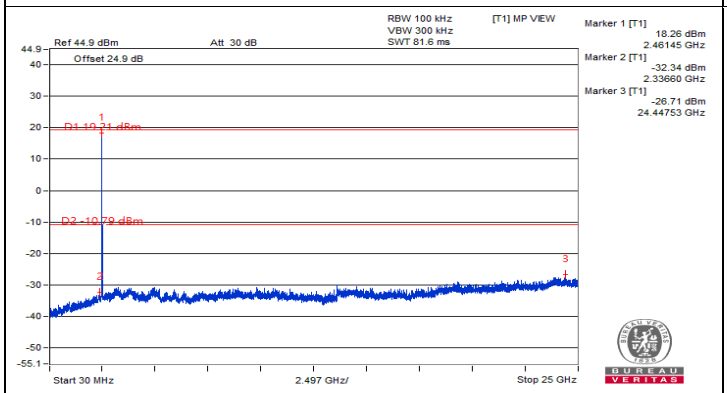
Chain 0 : CH 11 Band edge



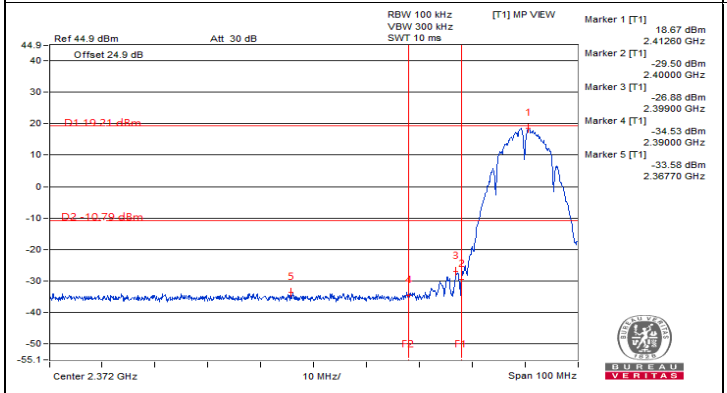
Chain 1 : CH 1



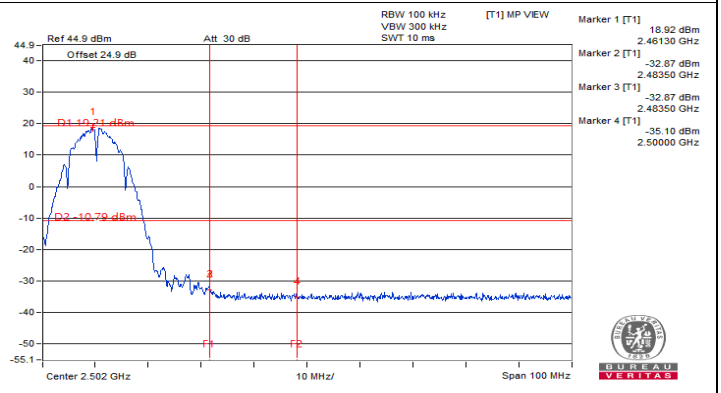
Chain 1 : CH 6



Chain 1 : CH 11

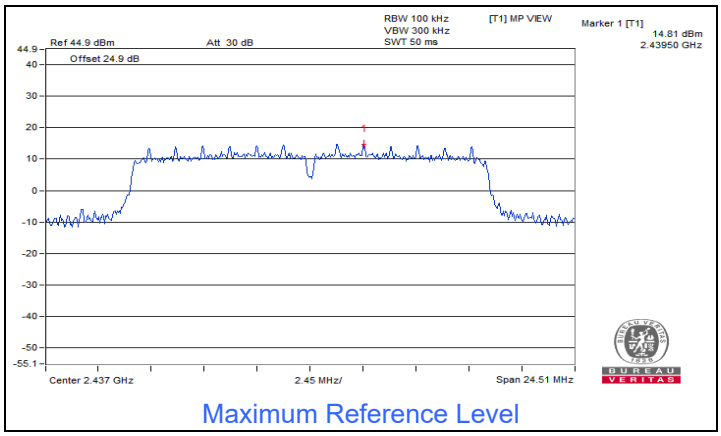


Chain 1 : CH 1 Band edge

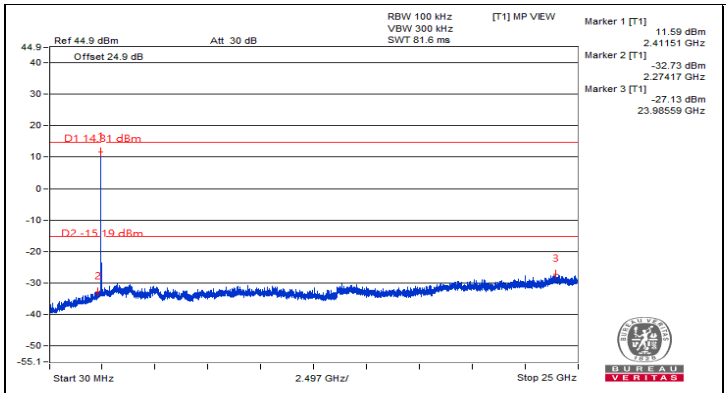


Chain 1 : CH 11 Band edge

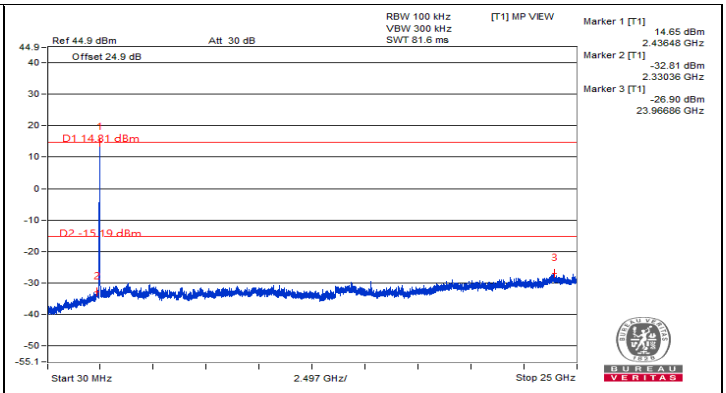
802.11g CDD



Maximum Reference Level



Chain 0 : CH 1



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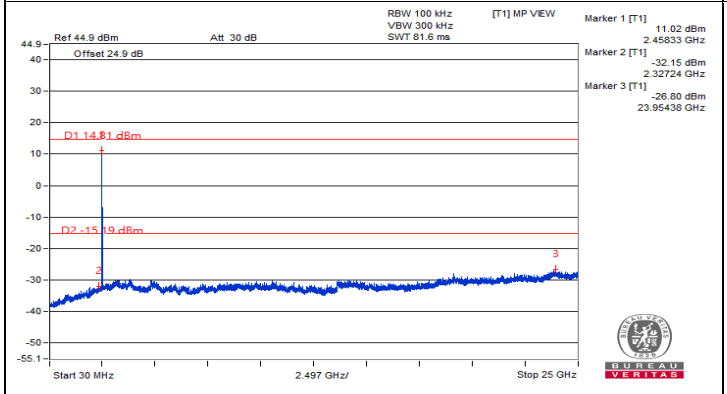

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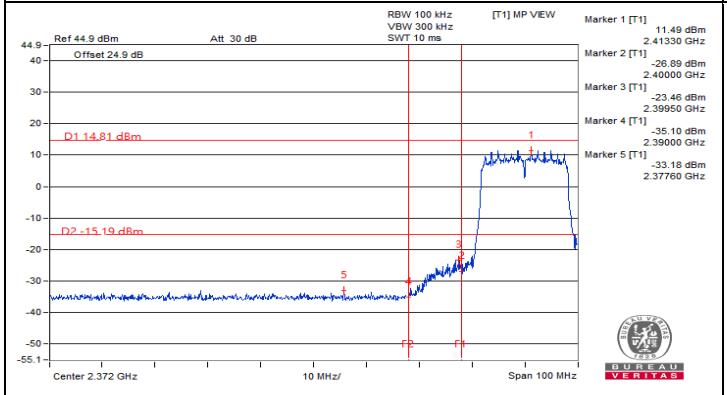
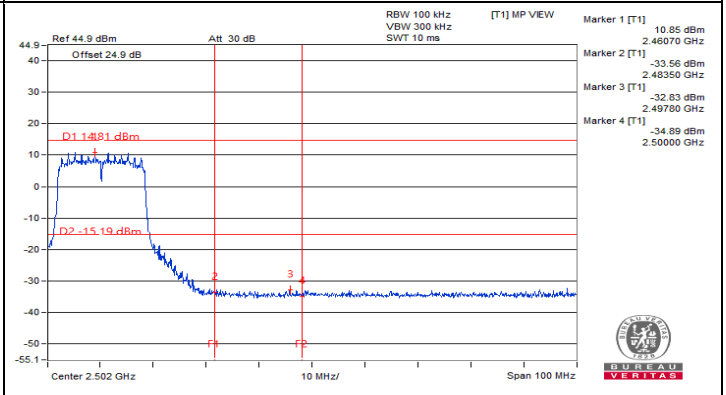
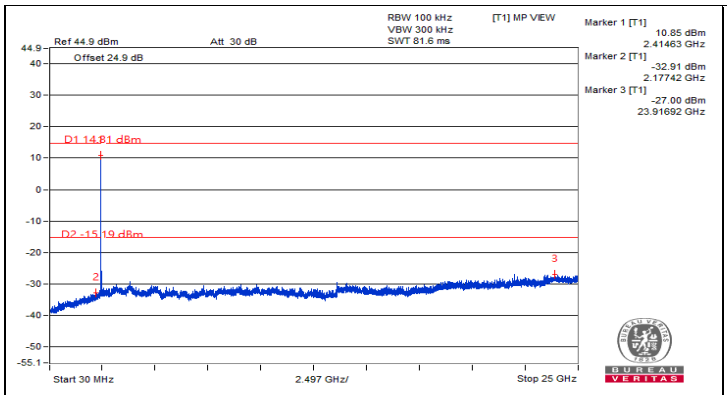


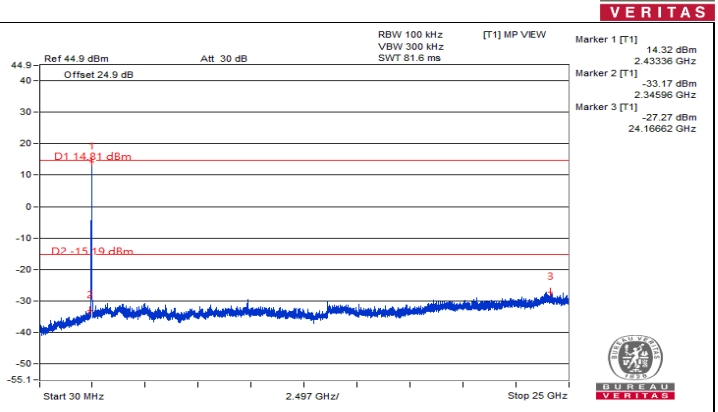
Chain 0 : CH 1 Band edge



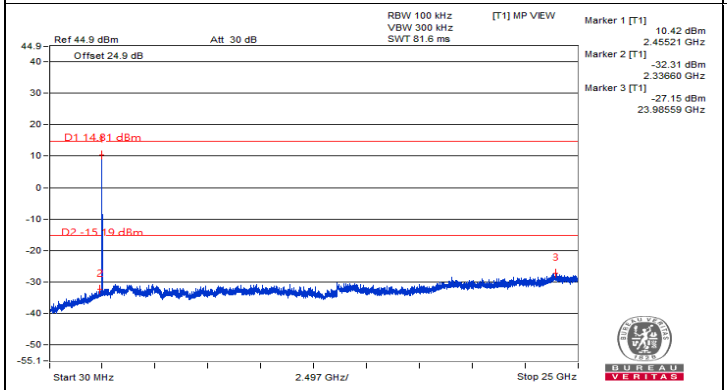
Chain 0 : CH 11 Band edge



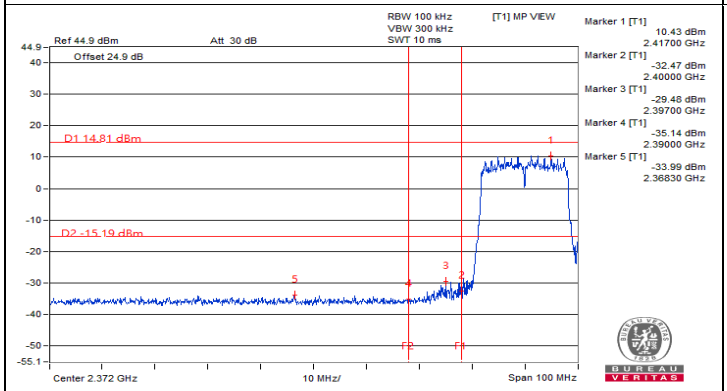
Chain 1 : CH 1



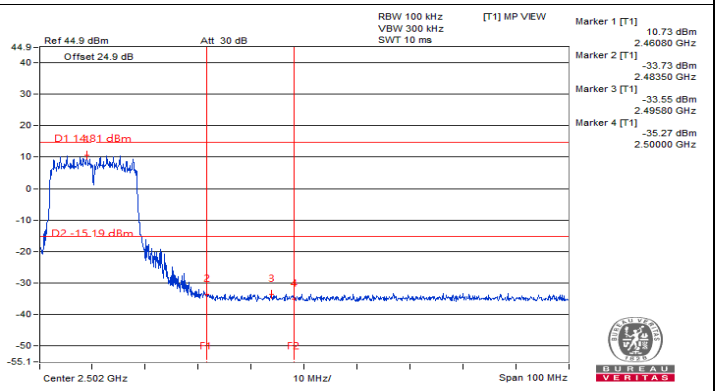
Chain 1 : CH 6



Chain 1 : CH 11

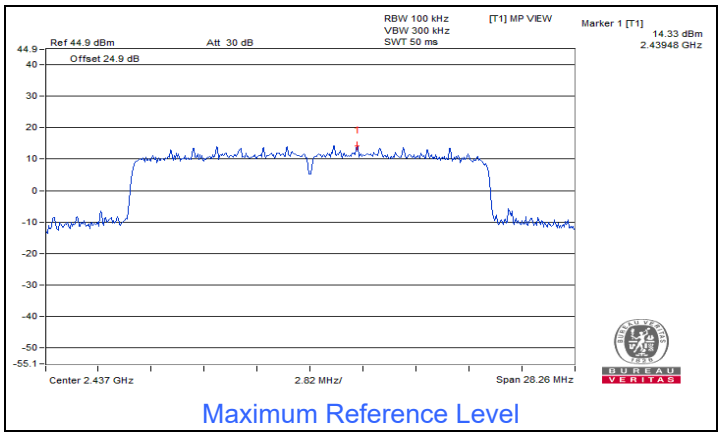


Chain 1 : CH 1 Band edge

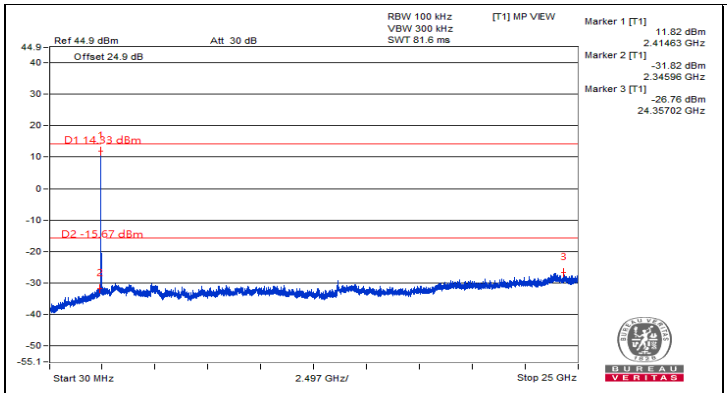


Chain 1 : CH 11 Band edge

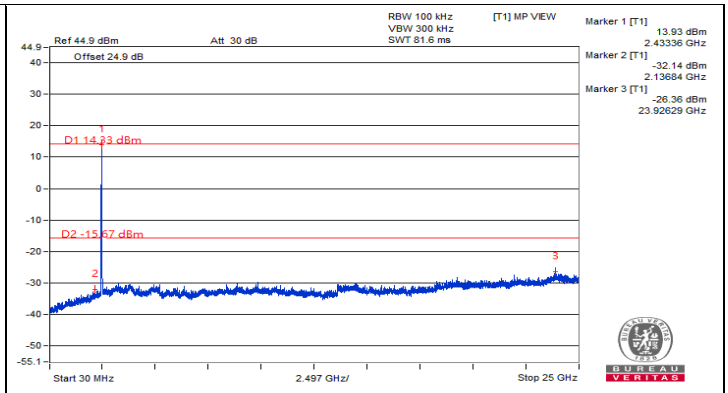
802.11be (EHT20) Beamforming



Maximum Reference Level



Chain 0 : CH 1



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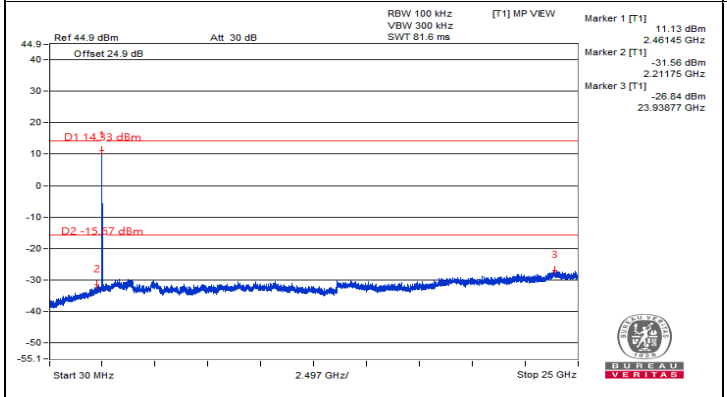

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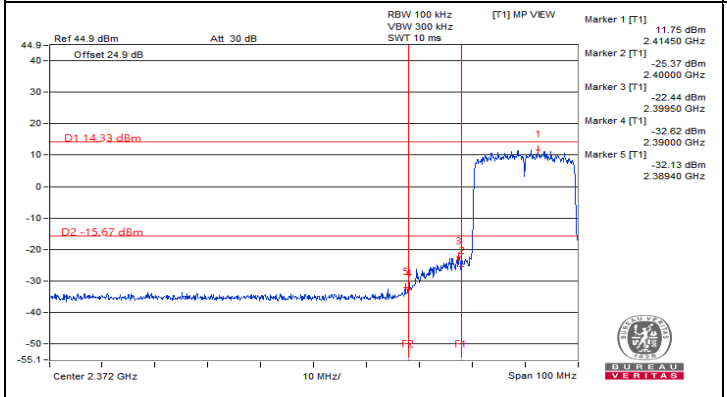
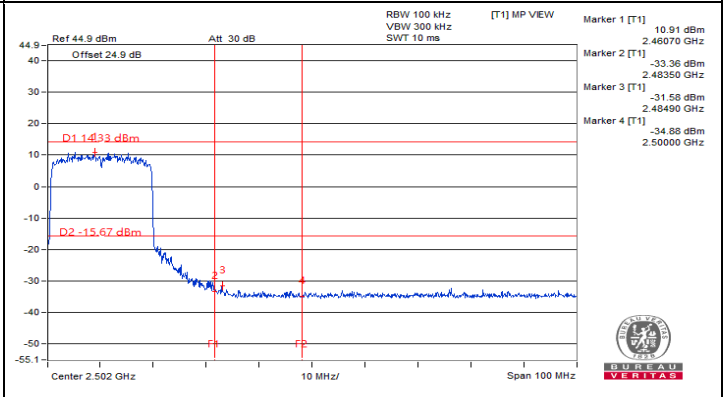
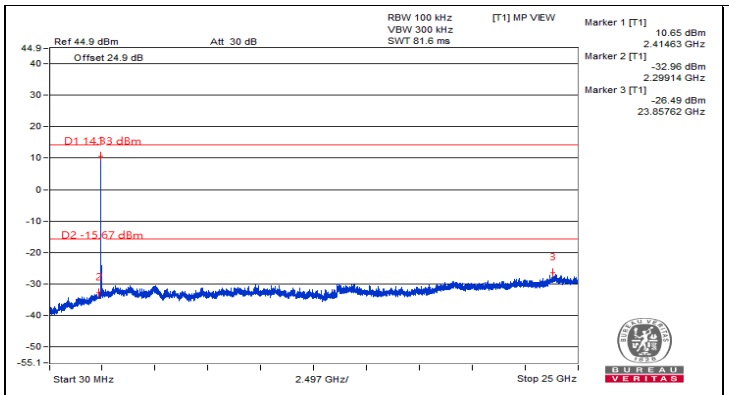


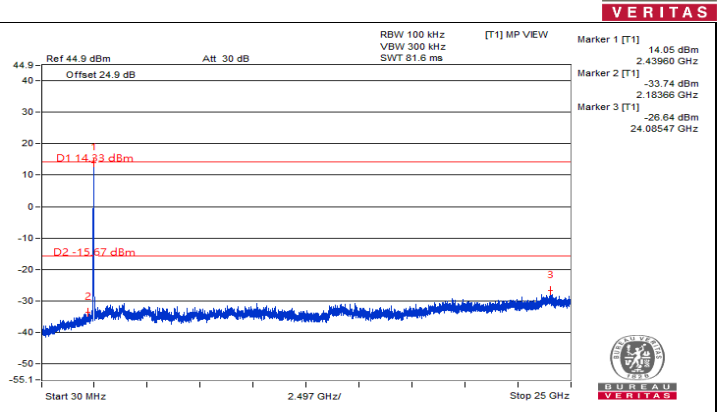
Chain 0 : CH 1 Band edge



Chain 0 : CH 11 Band edge



Chain 1 : CH 1



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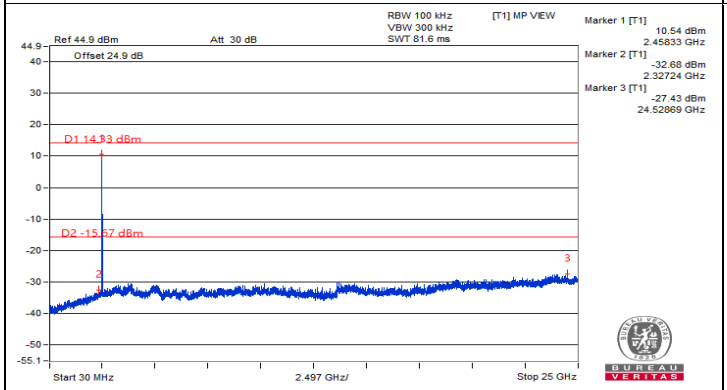
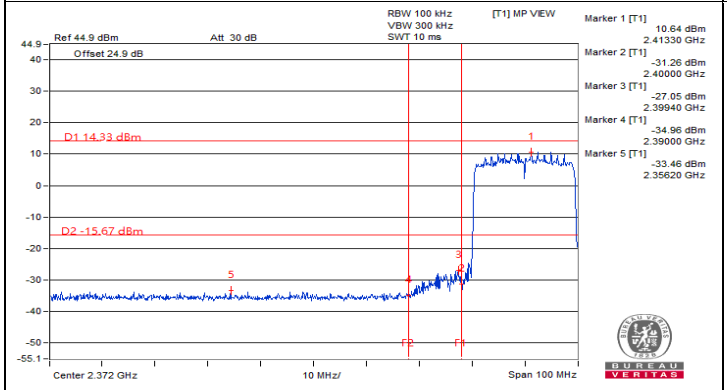
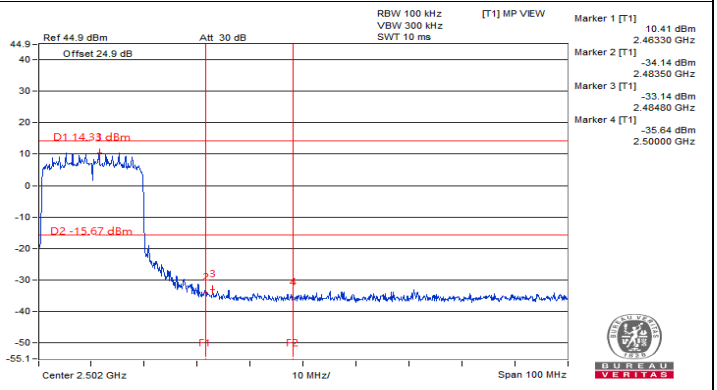


Chain 1 : CH 11

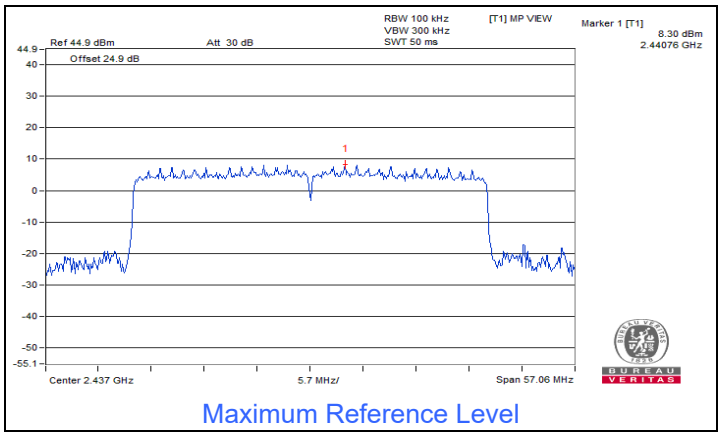


Chain 1 : CH 1 Band edge

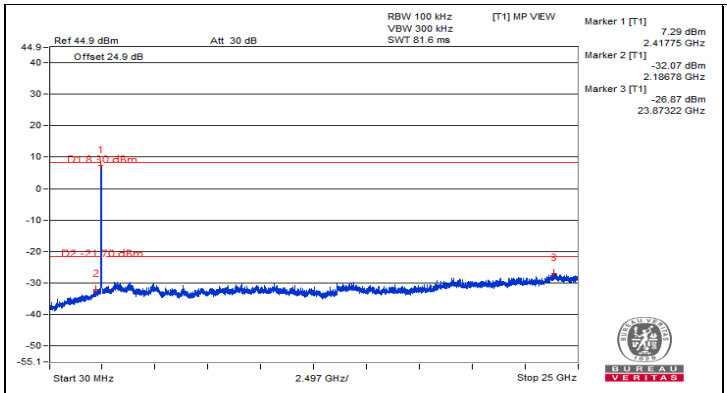


Chain 1 : CH 11 Band edge

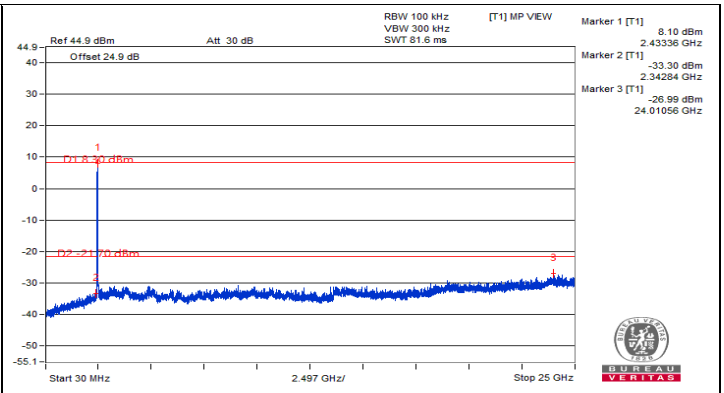
802.11be (EHT40) Beamforming



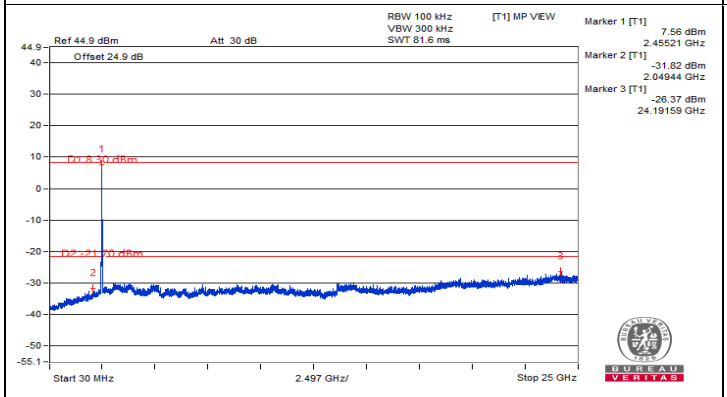
Maximum Reference Level



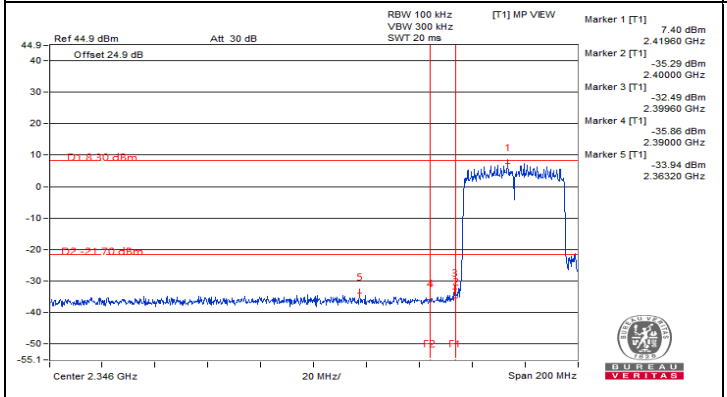
Chain 0 : CH 3



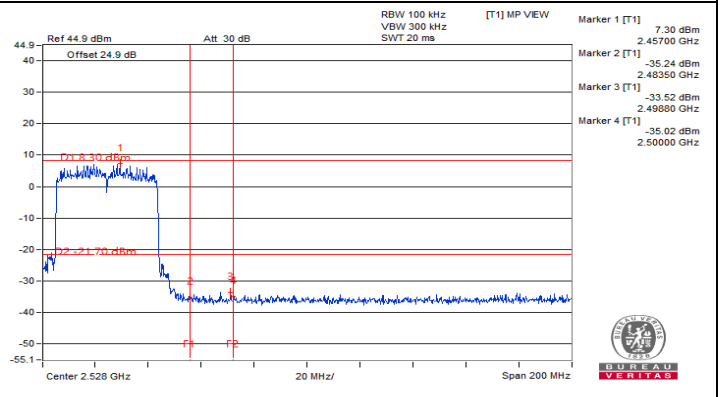
Chain 0 : CH 6



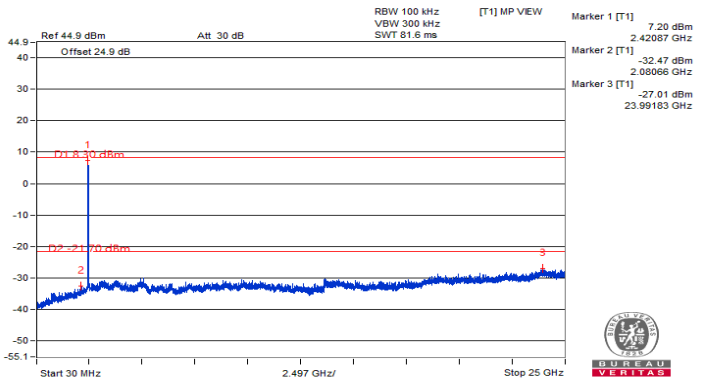
Chain 0 : CH 9



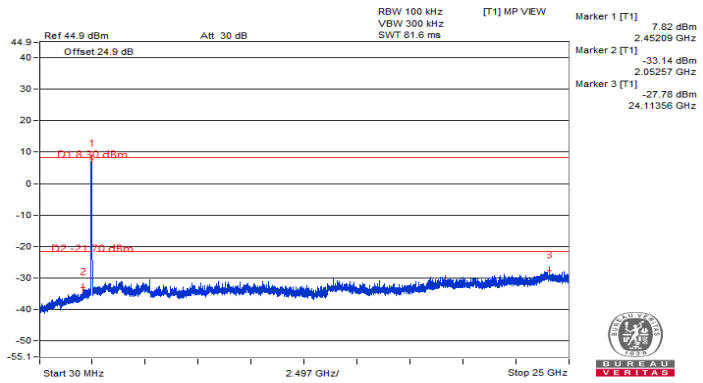
Chain 0 : CH 3 Band edge



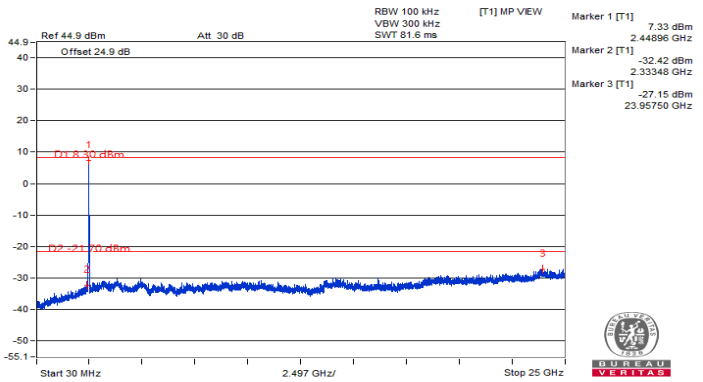
Chain 0 : CH 9 Band edge



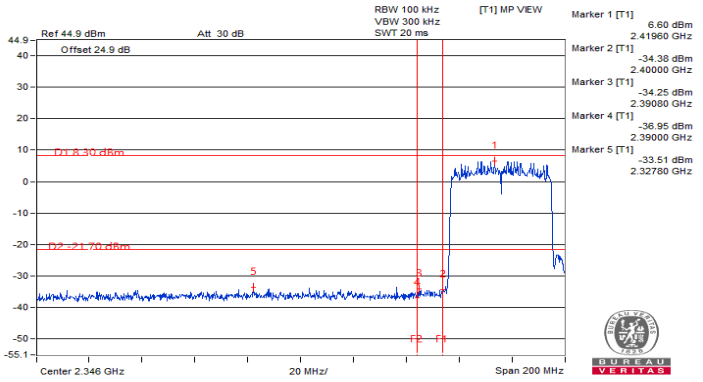
Chain 1 : CH 3



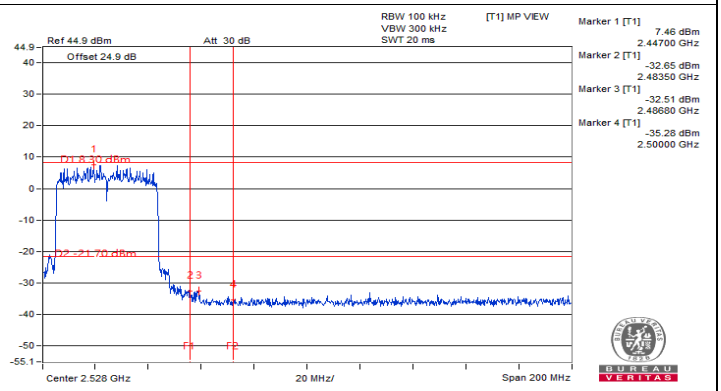
Chain 1 : CH 6



Chain 1 : CH 9



Chain 1 : CH 3 Band edge



Chain 1 : CH 9 Band edge

7.5 AC Power Conducted Emissions

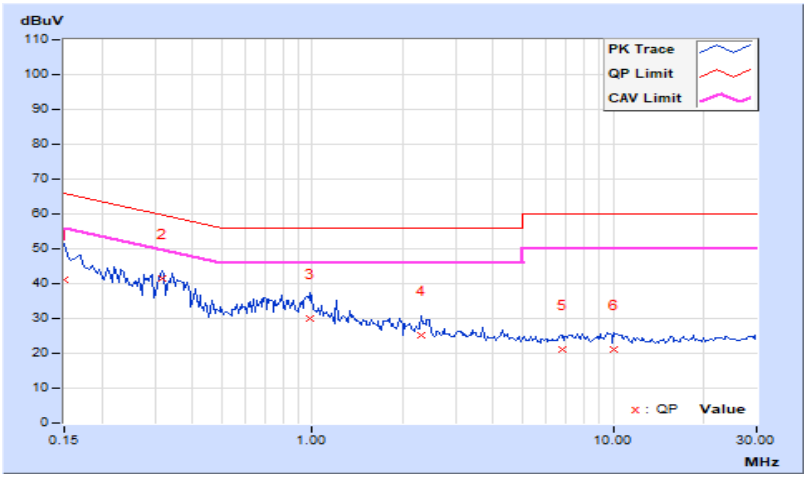
Mode A

RF Mode	802.11be (EHT20)	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	23 °C, 64 % RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.02	31.13	20.08	41.15	30.10	66.00	56.00	-24.85	-25.90
2	0.31797	10.03	31.53	23.58	41.56	33.61	59.76	49.76	-18.20	-16.15
3	0.98594	10.07	19.77	13.32	29.84	23.39	56.00	46.00	-26.16	-22.61
4	2.30859	10.14	15.11	8.76	25.25	18.90	56.00	46.00	-30.75	-27.10
5	6.75781	10.46	10.83	5.30	21.29	15.76	60.00	50.00	-38.71	-34.24
6	10.02344	10.69	10.38	5.70	21.07	16.39	60.00	50.00	-38.93	-33.61

Remarks:

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

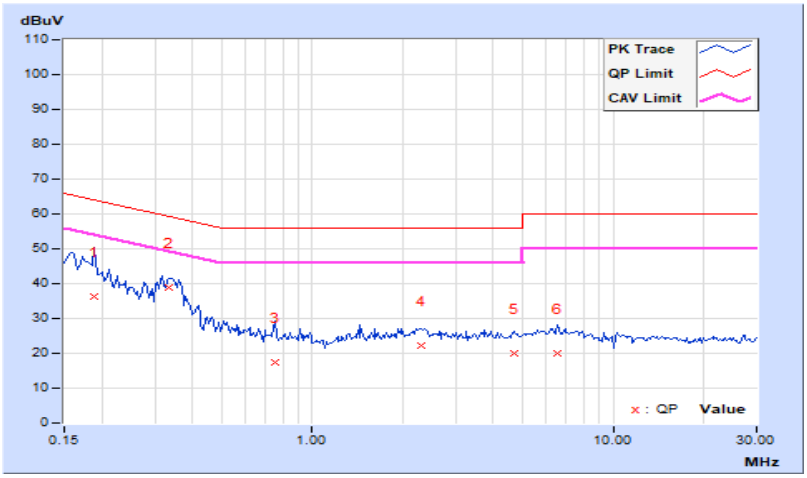


RF Mode	802.11be (EHT20)	Channel	CH 6：2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 64 % RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18906	10.03	26.13	15.96	36.16	25.99	64.08	54.08	-27.92	-28.09
2	0.33359	10.03	28.81	22.88	38.84	32.91	59.36	49.36	-20.52	-16.45
3	0.75156	10.04	7.54	-0.02	17.58	10.02	56.00	46.00	-38.42	-35.98
4	2.29297	10.10	12.19	5.55	22.29	15.65	56.00	46.00	-33.71	-30.35
5	4.69141	10.26	9.86	4.51	20.12	14.77	56.00	46.00	-35.88	-31.23
6	6.55078	10.37	9.80	4.51	20.17	14.88	60.00	50.00	-39.83	-35.12

Remarks:

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



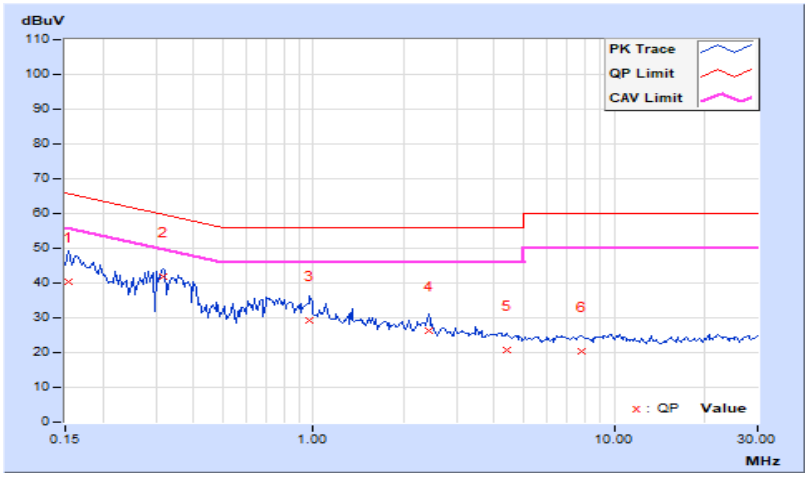
Mode B

RF Mode	802.11be (EHT20)	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	23 °C, 64 % RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.03	30.23	19.55	40.26	29.58	65.79	55.79	-25.53	-26.21
2	0.31797	10.03	31.80	23.66	41.83	33.69	59.76	49.76	-17.93	-16.07
3	0.97422	10.07	19.10	13.26	29.17	23.33	56.00	46.00	-26.83	-22.67
4	2.41016	10.15	16.30	8.34	26.45	18.49	56.00	46.00	-29.55	-27.51
5	4.41797	10.30	10.51	5.75	20.81	16.05	56.00	46.00	-35.19	-29.95
6	7.83203	10.54	10.00	5.16	20.54	15.70	60.00	50.00	-39.46	-34.30

Remarks:

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

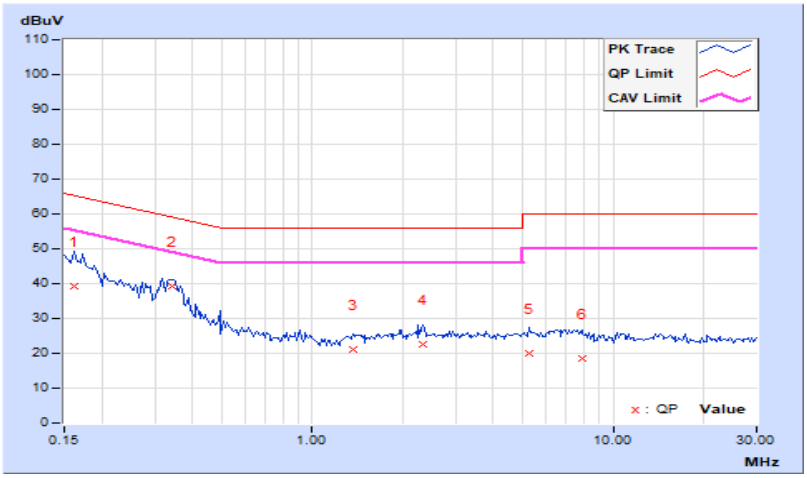


RF Mode	802.11be (EHT20)	Channel	CH 6：2437 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 64 % RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	10.03	29.22	16.67	39.25	26.70	65.38	55.38	-26.13	-28.68
2	**0.34141**	**10.03**	**29.34**	**23.93**	**39.37**	**33.96**	**59.17**	**49.17**	**-19.80**	**-15.21**
3	1.36719	10.06	10.99	2.95	21.05	13.01	56.00	46.00	-34.95	-32.99
4	2.32813	10.10	12.67	5.31	22.77	15.41	56.00	46.00	-33.23	-30.59
5	5.28906	10.30	9.59	4.44	19.89	14.74	60.00	50.00	-40.11	-35.26
6	7.85547	10.45	8.23	2.73	18.68	13.18	60.00	50.00	-41.32	-36.82

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

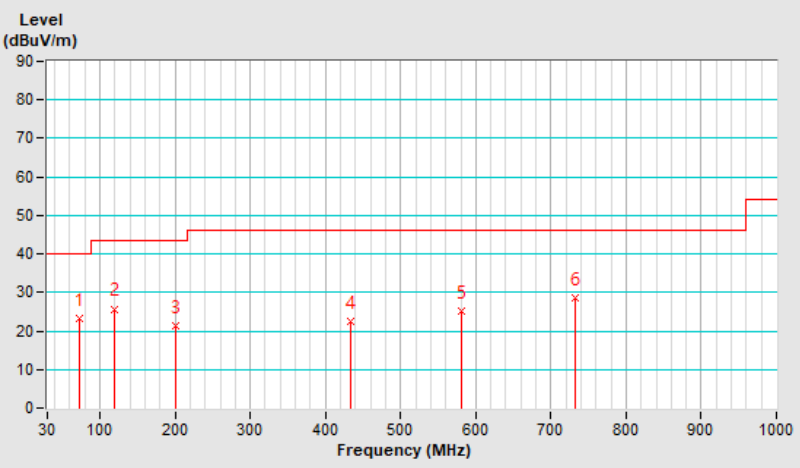
Mode A

RF Mode	802.11be (EHT20)	**Channel**	CH 6：2437 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 64 % RH
Tested By	Willy Lin		

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	72.75	23.3 QP	40.0	-16.7	1.00 H	303	38.8	-15.5
2	119.48	25.7 QP	43.5	-17.8	1.00 H	274	40.7	-15.0
3	200.48	21.3 QP	43.5	-22.2	1.00 H	75	37.7	-16.4
4	434.17	22.5 QP	46.0	-23.5	3.00 H	216	31.2	-8.7
5	580.36	25.3 QP	46.0	-20.7	1.50 H	106	31.2	-5.9
6	731.63	28.6 QP	46.0	-17.4	2.00 H	100	31.7	-3.1

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.

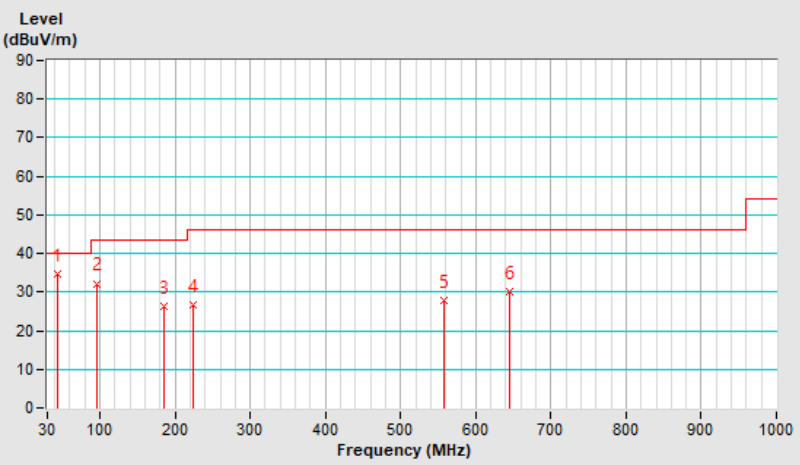


RF Mode	802.11be (EHT20)	Channel	CH 6：2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 64 % RH
Tested By	Willy Lin		

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	43.19	34.7 QP	40.0	-5.3	1.00 V	81	47.4	-12.7
2	96.08	32.2 QP	43.5	-11.3	1.00 V	286	50.6	-18.4
3	184.88	26.4 QP	43.5	-17.1	1.00 V	305	41.2	-14.8
4	223.59	26.7 QP	46.0	-19.3	1.00 V	284	42.8	-16.1
5	558.46	27.7 QP	46.0	-18.3	3.00 V	51	34.1	-6.4
6	644.35	30.2 QP	46.0	-15.8	2.00 V	21	34.5	-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.



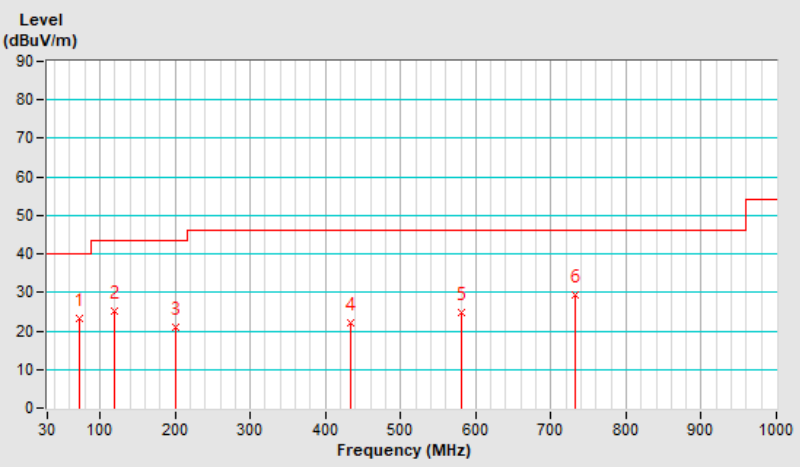
Mode B

RF Mode	802.11be (EHT20)	Channel	CH 6：2437 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 64 % RH
Tested By	Willy Lin		

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	72.29	23.1 QP	40.0	-16.9	1.00 H	303	38.5	-15.4
2	119.02	25.1 QP	43.5	-18.4	1.00 H	276	40.1	-15.0
3	200.40	21.0 QP	43.5	-22.5	1.50 H	90	37.4	-16.4
4	433.75	22.1 QP	46.0	-23.9	3.00 H	203	30.9	-8.8
5	580.15	24.9 QP	46.0	-21.1	1.50 H	109	30.8	-5.9
6	732.00	29.2 QP	46.0	-16.8	3.00 H	99	32.3	-3.1

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.

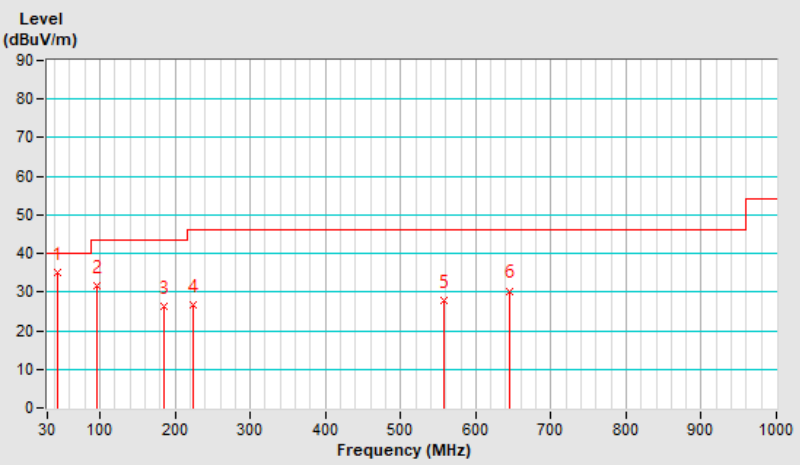


RF Mode	802.11be (EHT20)	**Channel**	CH 6：2437 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 64 % RH
Tested By	Willy Lin		

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	**43.46**	**34.9 QP**	**40.0**	**-5.1**	**1.50 V**	**73**	**47.6**	**-12.7**
2	95.88	31.8 QP	43.5	-11.7	1.00 V	279	50.2	-18.4
3	184.73	26.2 QP	43.5	-17.3	1.00 V	295	41.0	-14.8
4	223.71	26.6 QP	46.0	-19.4	1.50 V	294	42.7	-16.1
5	558.51	27.8 QP	46.0	-18.2	2.00 V	42	34.2	-6.4
6	644.48	30.3 QP	46.0	-15.7	3.00 V	12	34.6	-4.3

Remarks:

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



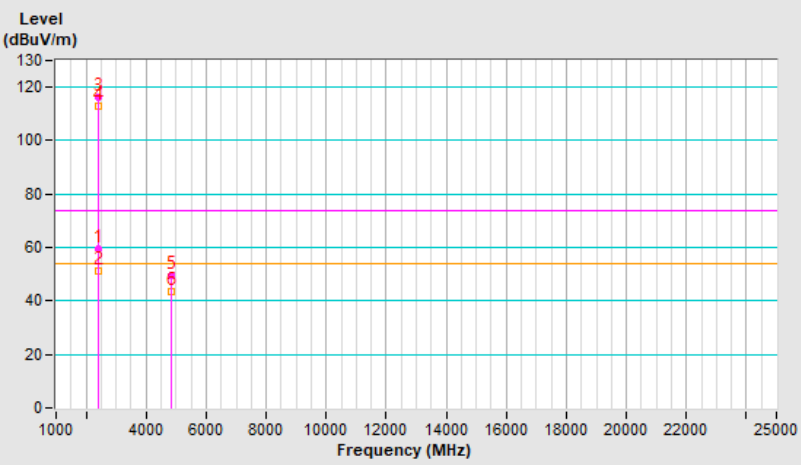
7.7 Unwanted Emissions above 1 GHz

RF Mode	802.11b	**Channel**	CH 1：2412 MHz
Frequency Range	1 GHz ~ 25 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20 °C, 71 % RH
Tested By	Willy Lin		

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	59.7 PK	74.0	-14.3	1.50 H	122	61.1	-1.4
2	2390.00	51.4 AV	54.0	-2.6	1.50 H	122	52.8	-1.4
3	*2412.00	116.1 PK			1.50 H	122	117.6	-1.5
4	*2412.00	112.8 AV			1.50 H	122	114.3	-1.5
5	4824.00	49.5 PK	74.0	-24.5	1.20 H	288	46.6	2.9
6	4824.00	43.7 AV	54.0	-10.3	1.20 H	288	40.8	2.9

Remarks:

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

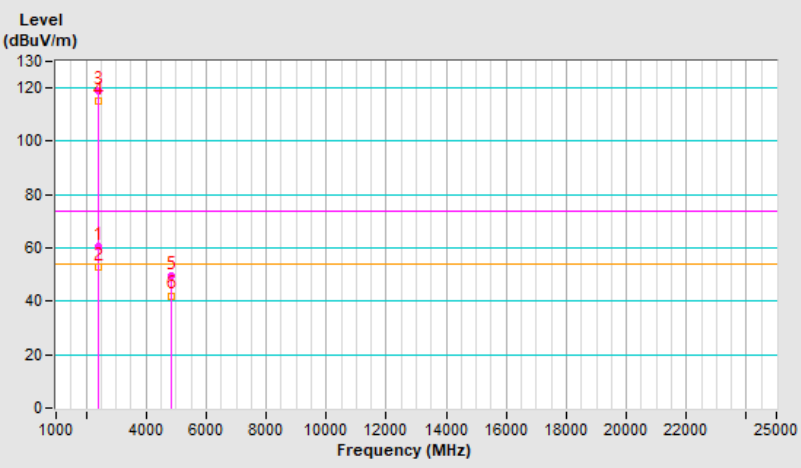


RF Mode	802.11b	Channel	CH 1：2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	60.5 PK	74.0	-13.5	2.20 V	300	61.9	-1.4
2	2390.00	53.1 AV	54.0	-0.9	2.20 V	300	54.5	-1.4
3	*2412.00	119.1 PK			2.20 V	300	120.6	-1.5
4	*2412.00	115.3 AV			2.20 V	300	116.8	-1.5
5	4824.00	49.5 PK	74.0	-24.5	1.50 V	340	46.6	2.9
6	4824.00	42.1 AV	54.0	-11.9	1.50 V	340	39.2	2.9

Remarks:

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

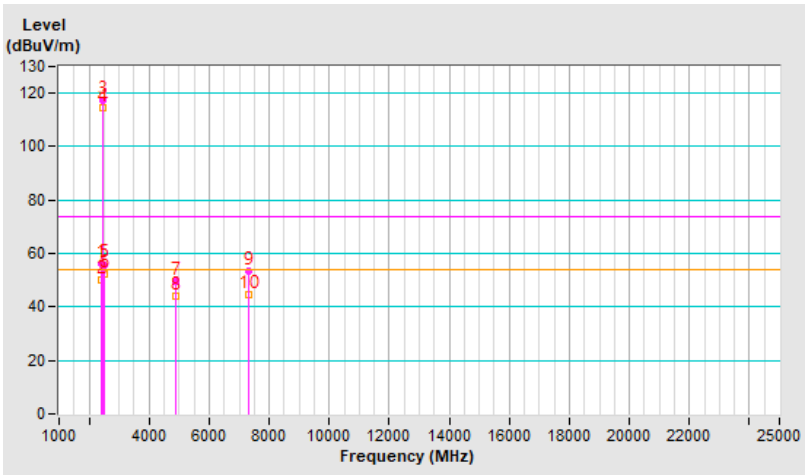


RF Mode	802.11b	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	56.3 PK	74.0	-17.7	1.50 H	115	57.7	-1.4
2	2390.00	50.1 AV	54.0	-3.9	1.50 H	115	51.5	-1.4
3	*2437.00	117.2 PK			1.50 H	115	118.6	-1.4
4	*2437.00	114.5 AV			1.50 H	115	115.9	-1.4
5	2483.50	55.9 PK	74.0	-18.1	1.50 H	115	57.3	-1.4
6	2483.50	52.3 AV	54.0	-1.7	1.50 H	115	53.7	-1.4
7	4874.00	49.8 PK	74.0	-24.2	1.20 H	286	46.8	3.0
8	4874.00	43.8 AV	54.0	-10.2	1.20 H	286	40.8	3.0
9	7311.00	53.4 PK	74.0	-20.6	1.68 H	10	43.9	9.5
10	7311.00	44.7 AV	54.0	-9.3	1.68 H	10	35.2	9.5

Remarks:

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

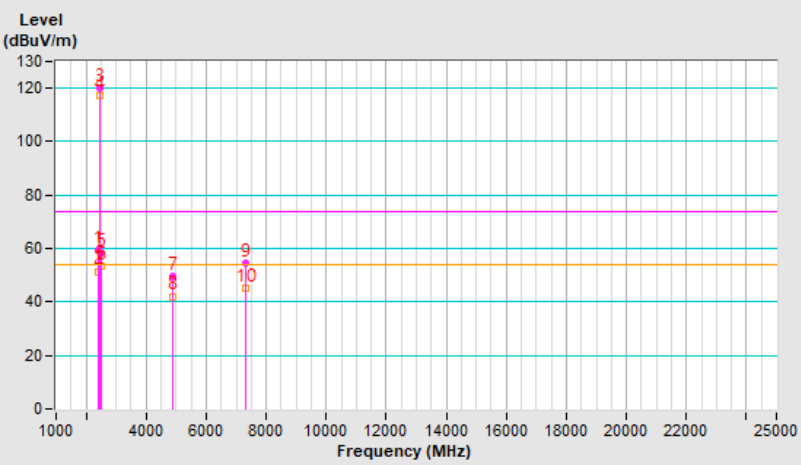


RF Mode	802.11b	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	59.4 PK	74.0	-14.6	2.17 V	302	60.8	-1.4
2	2390.00	51.5 AV	54.0	-2.5	2.17 V	302	52.9	-1.4
3	*2437.00	120.3 PK			2.17 V	302	121.7	-1.4
4	*2437.00	117.1 AV			2.17 V	302	118.5	-1.4
5	2483.50	58.3 PK	74.0	-15.7	2.17 V	302	59.7	-1.4
6	2483.50	53.2 AV	54.0	-0.8	2.17 V	302	54.6	-1.4
7	4874.00	49.5 PK	74.0	-24.5	1.50 V	340	46.5	3.0
8	4874.00	42.1 AV	54.0	-11.9	1.50 V	340	39.1	3.0
9	7311.00	54.3 PK	74.0	-19.7	2.40 V	14	44.8	9.5
10	7311.00	45.3 AV	54.0	-8.7	2.40 V	14	35.8	9.5

Remarks:

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

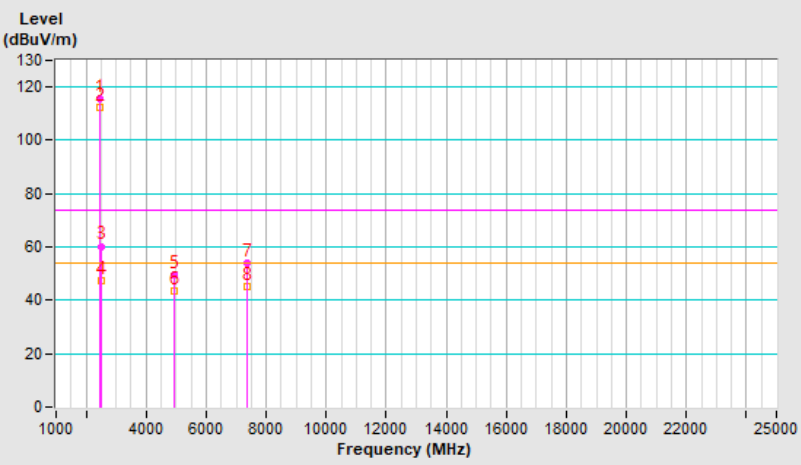


RF Mode	802.11b	Channel	CH 11：2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	115.6 PK			1.49 H	130	116.9	-1.3
2	*2462.00	112.2 AV			1.49 H	130	113.5	-1.3
3	2483.50	60.3 PK	74.0	-13.7	1.49 H	130	61.7	-1.4
4	2483.50	47.6 AV	54.0	-6.4	1.49 H	130	49.0	-1.4
5	4924.00	49.4 PK	74.0	-24.6	1.15 H	281	46.2	3.2
6	4924.00	43.6 AV	54.0	-10.4	1.15 H	281	40.4	3.2
7	7386.00	53.8 PK	74.0	-20.2	1.66 H	10	43.9	9.9
8	7386.00	45.2 AV	54.0	-8.8	1.66 H	10	35.3	9.9

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.

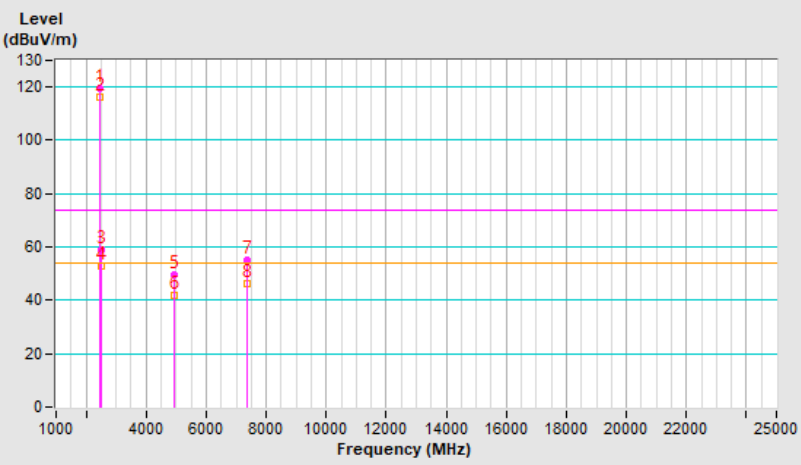


RF Mode	802.11b	**Channel**	CH 11：2462 MHz
Frequency Range	1 GHz ~ 25 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20 °C, 71 % RH
Tested By	Willy Lin		

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	119.6 PK			2.15 V	310	120.9	-1.3
2	*2462.00	116.1 AV			2.15 V	310	117.4	-1.3
3	2483.50	58.9 PK	74.0	-15.1	2.15 V	310	60.3	-1.4
4	2483.50	53.1 AV	54.0	-0.9	2.15 V	310	54.5	-1.4
5	4924.00	49.5 PK	74.0	-24.5	1.54 V	326	46.3	3.2
6	4924.00	42.0 AV	54.0	-12.0	1.54 V	326	38.8	3.2
7	7386.00	55.2 PK	74.0	-18.8	2.40 V	12	45.3	9.9
8	7386.00	46.1 AV	54.0	-7.9	2.40 V	12	36.2	9.9

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.

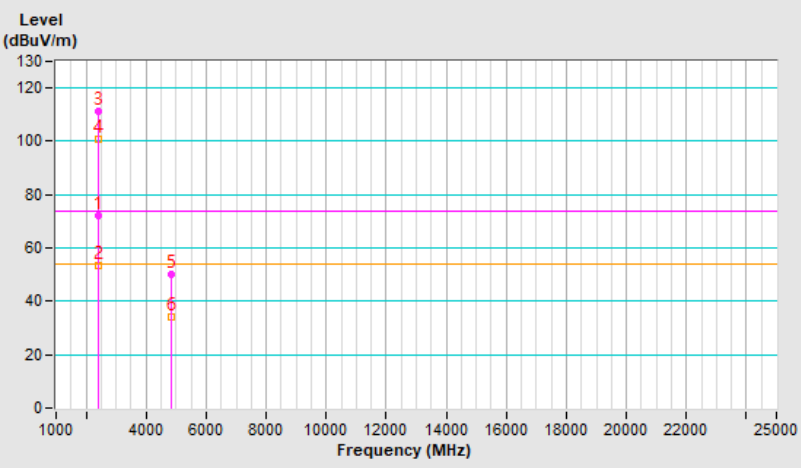


RF Mode	802.11g	Channel	CH 1：2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	72.1 PK	74.0	-1.9	1.50 H	132	73.5	-1.4
2	2390.00	53.5 AV	54.0	-0.5	1.50 H	132	54.9	-1.4
3	*2412.00	111.3 PK			1.50 H	132	112.8	-1.5
4	*2412.00	100.8 AV			1.50 H	132	102.3	-1.5
5	4824.00	50.2 PK	74.0	-23.8	1.19 H	276	47.3	2.9
6	4824.00	34.2 AV	54.0	-19.8	1.19 H	276	31.3	2.9

Remarks:

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

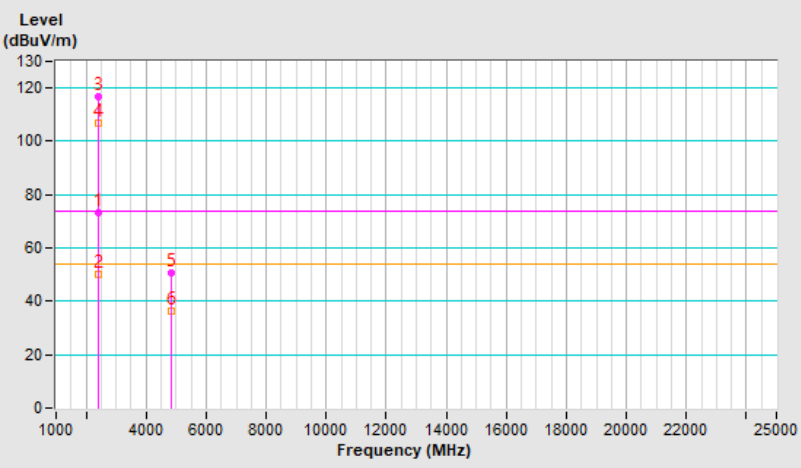


RF Mode	802.11g	Channel	CH 1：2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	73.1 PK	74.0	-0.9	2.16 V	290	74.5	-1.4
2	2390.00	49.9 AV	54.0	-4.1	2.16 V	290	51.3	-1.4
3	*2412.00	116.6 PK			2.16 V	290	118.1	-1.5
4	*2412.00	106.8 AV			2.16 V	290	108.3	-1.5
5	4824.00	50.9 PK	74.0	-23.1	1.42 V	321	48.0	2.9
6	4824.00	36.3 AV	54.0	-17.7	1.42 V	321	33.4	2.9

Remarks:

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

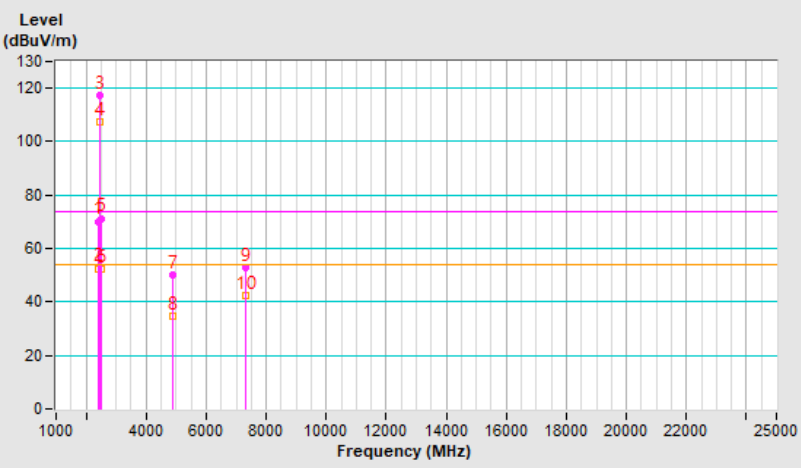


RF Mode	802.11g	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	70.2 PK	74.0	-3.8	1.47 H	119	71.6	-1.4
2	2390.00	52.6 AV	54.0	-1.4	1.47 H	119	54.0	-1.4
3	*2437.00	117.5 PK			1.47 H	119	118.9	-1.4
4	*2437.00	107.6 AV			1.47 H	119	109.0	-1.4
5	2483.50	71.3 PK	74.0	-2.7	1.47 H	119	72.7	-1.4
6	2483.50	52.1 AV	54.0	-1.9	1.47 H	119	53.5	-1.4
7	4874.00	50.3 PK	74.0	-23.7	1.24 H	267	47.3	3.0
8	4874.00	34.5 AV	54.0	-19.5	1.24 H	267	31.5	3.0
9	7311.00	53.0 PK	74.0	-21.0	1.68 H	28	43.5	9.5
10	7311.00	42.4 AV	54.0	-11.6	1.68 H	28	32.9	9.5

Remarks:

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

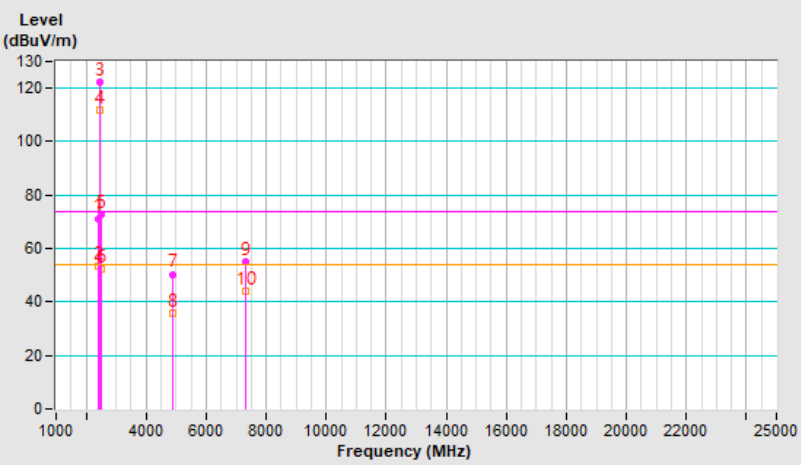


RF Mode	802.11g	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	71.3 PK	74.0	-2.7	2.23 V	311	72.7	-1.4
2	2390.00	53.4 AV	54.0	-0.6	2.23 V	311	54.8	-1.4
3	*2437.00	122.3 PK			2.23 V	311	123.7	-1.4
4	*2437.00	112.0 AV			2.23 V	311	113.4	-1.4
5	2483.50	72.5 PK	74.0	-1.5	2.23 V	311	73.9	-1.4
6	2483.50	52.1 AV	54.0	-1.9	2.23 V	311	53.5	-1.4
7	4874.00	50.4 PK	74.0	-23.6	1.45 V	333	47.4	3.0
8	4874.00	36.0 AV	54.0	-18.0	1.45 V	333	33.0	3.0
9	7311.00	55.1 PK	74.0	-18.9	2.38 V	13	45.6	9.5
10	7311.00	43.8 AV	54.0	-10.2	2.38 V	13	34.3	9.5

Remarks:

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

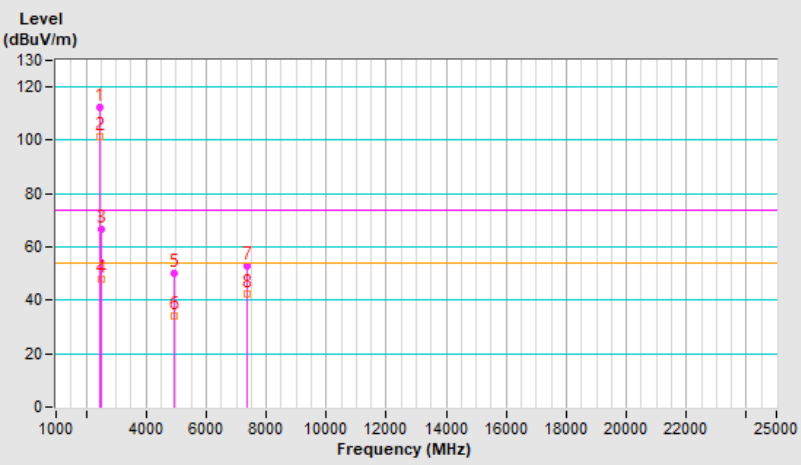


RF Mode	802.11g	Channel	CH 11：2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	112.2 PK			1.44 H	134	113.5	-1.3
2	*2462.00	101.5 AV			1.44 H	134	102.8	-1.3
3	2483.50	66.4 PK	74.0	-7.6	1.44 H	134	67.8	-1.4
4	2483.50	47.8 AV	54.0	-6.2	1.44 H	134	49.2	-1.4
5	4924.00	50.2 PK	74.0	-23.8	1.20 H	267	47.0	3.2
6	4924.00	34.3 AV	54.0	-19.7	1.20 H	267	31.1	3.2
7	7386.00	53.1 PK	74.0	-20.9	1.72 H	19	43.2	9.9
8	7386.00	42.6 AV	54.0	-11.4	1.72 H	19	32.7	9.9

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.

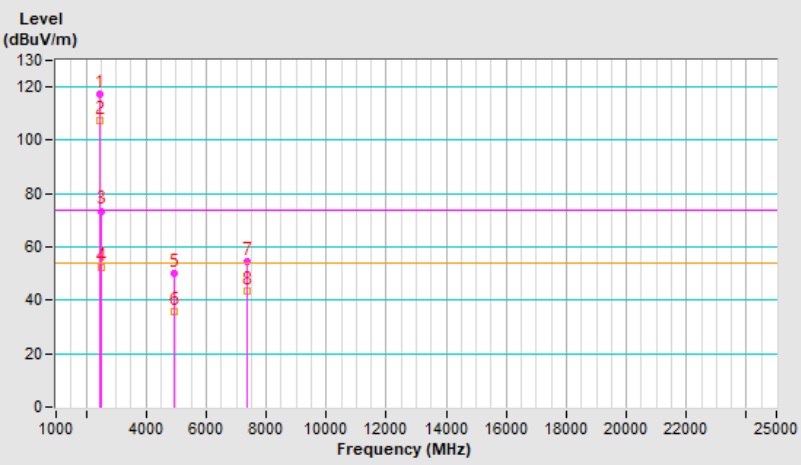


RF Mode	802.11g	Channel	CH 11：2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	117.5 PK			2.25 V	312	118.8	-1.3
2	*2462.00	107.5 AV			2.25 V	312	108.8	-1.3
3	2483.50	73.5 PK	74.0	-0.5	2.25 V	312	74.9	-1.4
4	2483.50	52.1 AV	54.0	-1.9	2.25 V	312	53.5	-1.4
5	4924.00	50.1 PK	74.0	-23.9	1.48 V	326	46.9	3.2
6	4924.00	35.8 AV	54.0	-18.2	1.48 V	326	32.6	3.2
7	7386.00	54.6 PK	74.0	-19.4	2.36 V	5	44.7	9.9
8	7386.00	43.5 AV	54.0	-10.5	2.36 V	5	33.6	9.9

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.

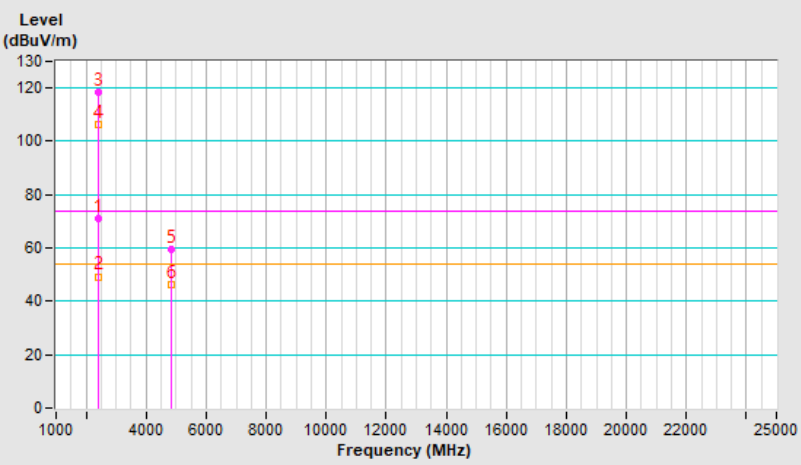


RF Mode	802.11be (EHT20)	**Channel**	CH 1：2412 MHz
Frequency Range	1 GHz ~ 25 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	2390.00	71.0 PK	74.0	-3.0	1.70 H	26	72.4	-1.4
2	2390.00	49.3 AV	54.0	-4.7	1.70 H	26	50.7	-1.4
3	*2412.00	118.4 PK			1.70 H	26	119.9	-1.5
4	*2412.00	106.1 AV			1.70 H	26	107.6	-1.5
5	4824.00	59.6 PK	74.0	-14.4	1.89 H	334	56.7	2.9
6	4824.00	46.5 AV	54.0	-7.5	1.89 H	334	43.6	2.9

Remarks:

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

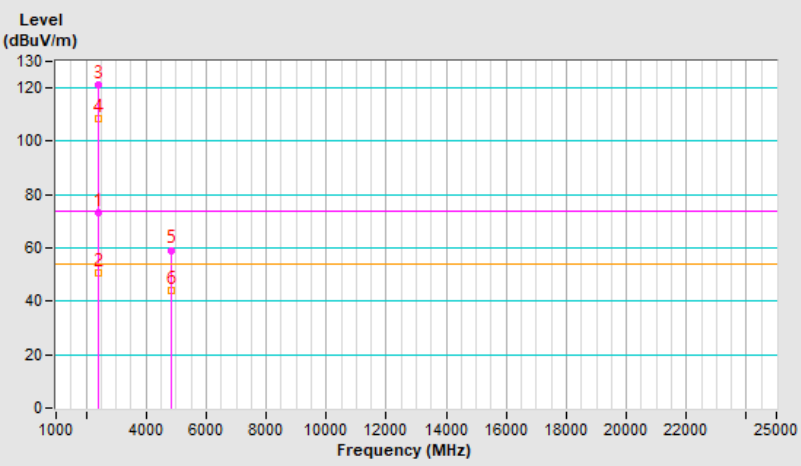


RF Mode	802.11be (EHT20)	Channel	CH 1：2412 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	73.4 PK	74.0	-0.6	2.00 V	287	74.8	-1.4
2	2390.00	50.9 AV	54.0	-3.1	2.00 V	287	52.3	-1.4
3	*2412.00	121.2 PK			2.00 V	287	122.7	-1.5
4	*2412.00	108.4 AV			2.00 V	287	109.9	-1.5
5	4824.00	59.2 PK	74.0	-14.8	1.93 V	360	56.3	2.9
6	4824.00	43.9 AV	54.0	-10.1	1.93 V	360	41.0	2.9

Remarks:

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

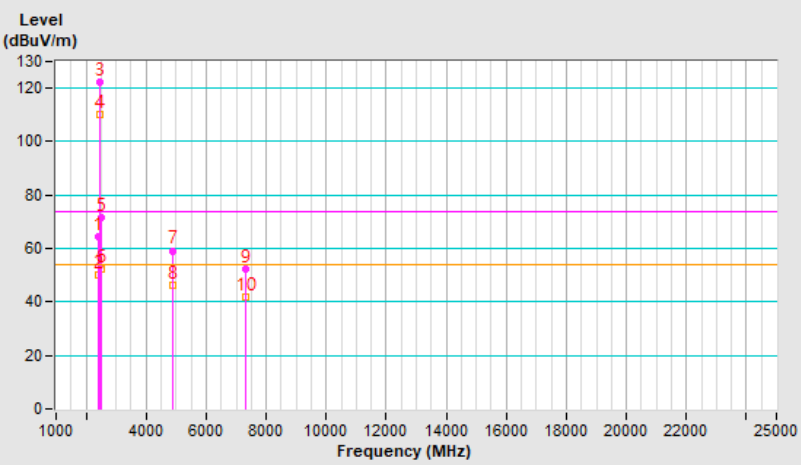


RF Mode	802.11be (EHT20)	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.3 PK	74.0	-9.7	1.70 H	28	65.7	-1.4
2	2390.00	50.0 AV	54.0	-4.0	1.70 H	28	51.4	-1.4
3	*2437.00	122.1 PK			1.70 H	28	123.5	-1.4
4	*2437.00	110.2 AV			1.70 H	28	111.6	-1.4
5	2483.50	71.5 PK	74.0	-2.5	1.70 H	28	72.9	-1.4
6	2483.50	52.1 AV	54.0	-1.9	1.70 H	28	53.5	-1.4
7	4874.00	59.2 PK	74.0	-14.8	1.94 H	324	56.2	3.0
8	4874.00	46.3 AV	54.0	-7.7	1.94 H	324	43.3	3.0
9	7311.00	52.3 PK	74.0	-21.7	1.50 H	313	42.8	9.5
10	7311.00	41.8 AV	54.0	-12.2	1.50 H	313	32.3	9.5

Remarks:

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

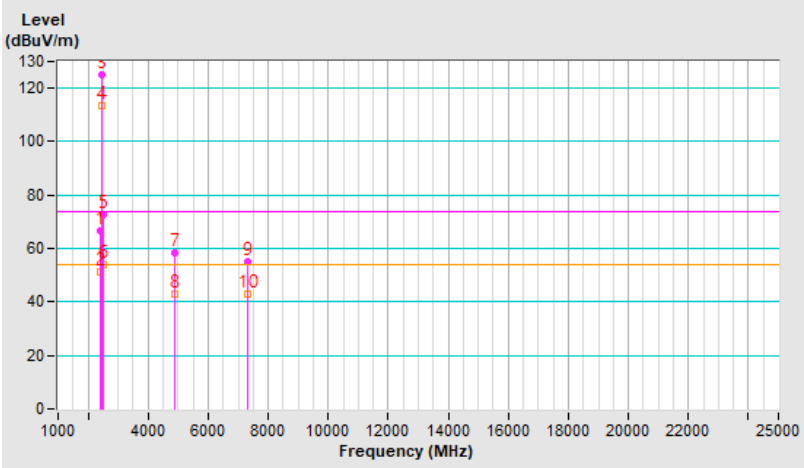


RF Mode	802.11be (EHT20)	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.6 PK	74.0	-7.4	2.05 V	297	68.0	-1.4
2	2390.00	51.0 AV	54.0	-3.0	2.05 V	297	52.4	-1.4
3	*2437.00	125.2 PK			2.05 V	297	126.6	-1.4
4	*2437.00	113.6 AV			2.05 V	297	115.0	-1.4
5	2483.50	72.8 PK	74.0	-1.2	2.05 V	297	74.2	-1.4
6	**2483.50**	**53.9 AV**	**54.0**	**-0.1**	**2.05 V**	**297**	**55.3**	**-1.4**
7	4874.00	58.6 PK	74.0	-15.4	1.93 V	352	55.6	3.0
8	4874.00	43.1 AV	54.0	-10.9	1.93 V	352	40.1	3.0
9	7311.00	55.2 PK	74.0	-18.8	1.42 V	162	45.7	9.5
10	7311.00	42.7 AV	54.0	-11.3	1.42 V	162	33.2	9.5

Remarks:

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

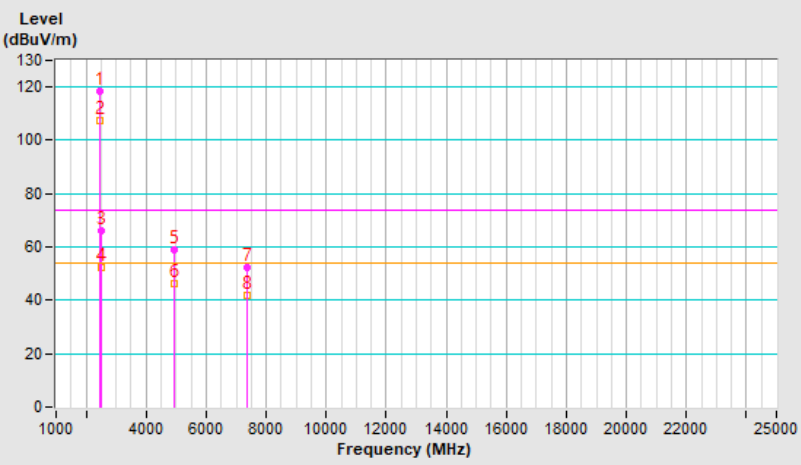


RF Mode	802.11be (EHT20)	Channel	CH 11：2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	118.2 PK			1.50 H	179	119.5	-1.3
2	*2462.00	107.2 AV			1.50 H	179	108.5	-1.3
3	2483.50	66.0 PK	74.0	-8.0	1.50 H	179	67.4	-1.4
4	2483.50	52.3 AV	54.0	-1.7	1.50 H	179	53.7	-1.4
5	4924.00	58.8 PK	74.0	-15.2	1.97 H	336	55.6	3.2
6	4924.00	46.0 AV	54.0	-8.0	1.97 H	336	42.8	3.2
7	7386.00	52.2 PK	74.0	-21.8	1.46 H	320	42.3	9.9
8	7386.00	41.9 AV	54.0	-12.1	1.46 H	320	32.0	9.9

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.

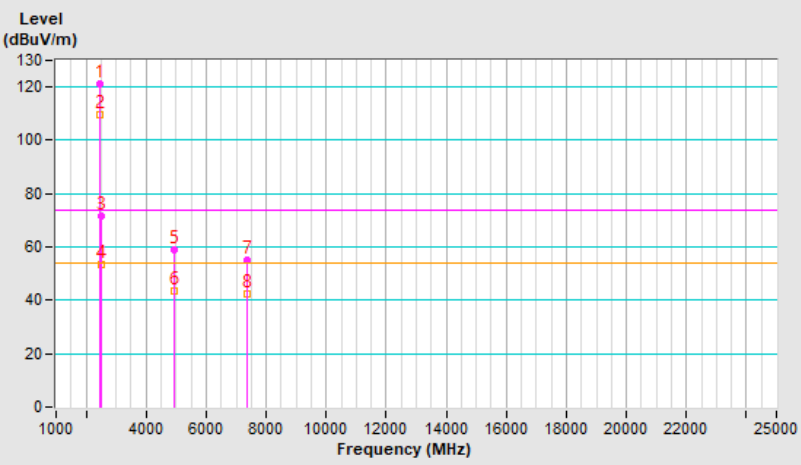


RF Mode	802.11be (EHT20)	Channel	CH 11：2462 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	121.3 PK			2.00 V	322	122.6	-1.3
2	*2462.00	109.4 AV			2.00 V	322	110.7	-1.3
3	2483.50	71.5 PK	74.0	-2.5	2.00 V	322	72.9	-1.4
4	2483.50	53.6 AV	54.0	-0.4	2.00 V	322	55.0	-1.4
5	4924.00	58.7 PK	74.0	-15.3	1.98 V	359	55.5	3.2
6	4924.00	43.4 AV	54.0	-10.6	1.98 V	359	40.2	3.2
7	7386.00	54.9 PK	74.0	-19.1	1.35 V	174	45.0	9.9
8	7386.00	42.4 AV	54.0	-11.6	1.35 V	174	32.5	9.9

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.

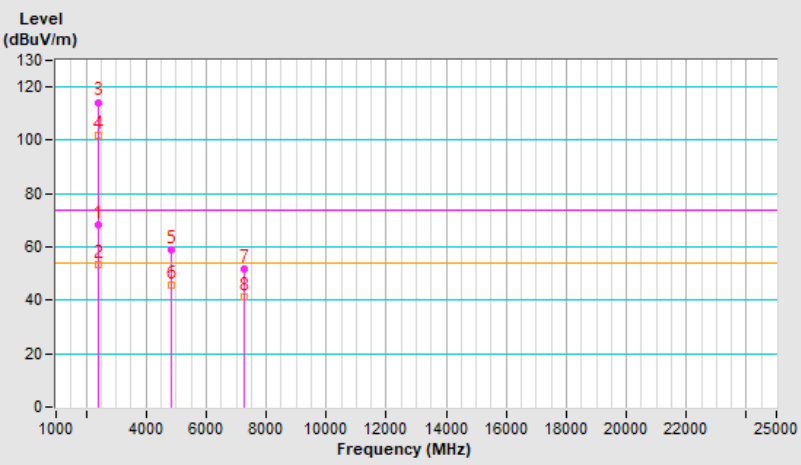


RF Mode	802.11be (EHT40)	Channel	CH 3：2422 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	68.3 PK	74.0	-5.7	1.50 H	165	69.7	-1.4
2	2390.00	53.6 AV	54.0	-0.4	1.50 H	165	55.0	-1.4
3	*2422.00	114.3 PK			1.50 H	165	115.8	-1.5
4	*2422.00	102.1 AV			1.50 H	165	103.6	-1.5
5	4844.00	58.8 PK	74.0	-15.2	1.99 H	311	55.9	2.9
6	4844.00	45.9 AV	54.0	-8.1	1.99 H	311	43.0	2.9
7	7266.00	52.0 PK	74.0	-22.0	1.52 H	312	42.8	9.2
8	7266.00	41.4 AV	54.0	-12.6	1.52 H	312	32.2	9.2

Remarks:

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

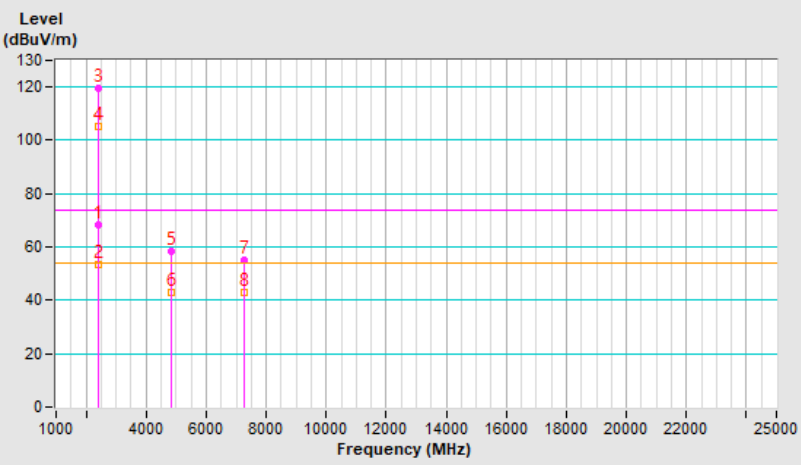


RF Mode	802.11be (EHT40)	Channel	CH 3：2422 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	68.3 PK	74.0	-5.7	1.99 V	272	69.7	-1.4
2	2390.00	53.2 AV	54.0	-0.8	1.99 V	272	54.6	-1.4
3	*2422.00	119.4 PK			1.99 V	272	120.9	-1.5
4	*2422.00	105.3 AV			1.99 V	272	106.8	-1.5
5	4844.00	58.6 PK	74.0	-15.4	1.90 V	360	55.7	2.9
6	4844.00	43.0 AV	54.0	-11.0	1.90 V	360	40.1	2.9
7	7266.00	55.2 PK	74.0	-18.8	1.38 V	149	46.0	9.2
8	7266.00	42.9 AV	54.0	-11.1	1.38 V	149	33.7	9.2

Remarks:

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

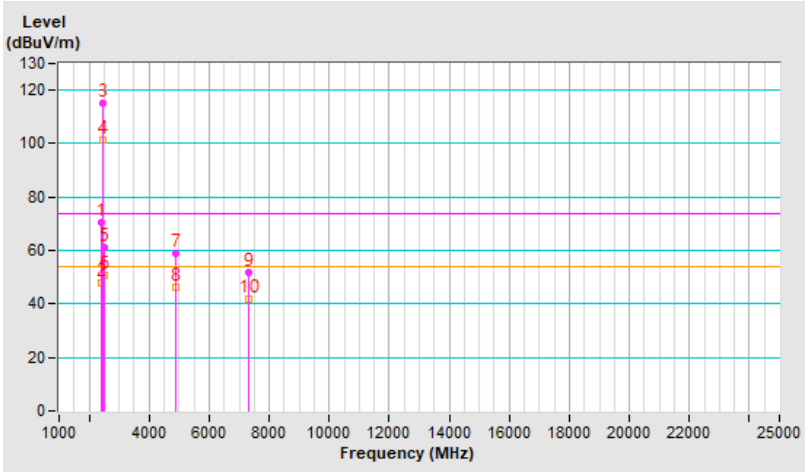


RF Mode	802.11be (EHT40)	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	70.3 PK	74.0	-3.7	1.47 H	194	71.7	-1.4
2	2390.00	48.1 AV	54.0	-5.9	1.47 H	194	49.5	-1.4
3	*2437.00	115.3 PK			1.47 H	194	116.7	-1.4
4	*2437.00	101.3 AV			1.47 H	194	102.7	-1.4
5	2483.50	61.2 PK	74.0	-12.8	1.47 H	194	62.6	-1.4
6	2483.50	50.5 AV	54.0	-3.5	1.47 H	194	51.9	-1.4
7	4874.00	58.9 PK	74.0	-15.1	1.98 H	339	55.9	3.0
8	4874.00	46.3 AV	54.0	-7.7	1.98 H	339	43.3	3.0
9	7311.00	52.0 PK	74.0	-22.0	1.45 H	322	42.5	9.5
10	7311.00	41.7 AV	54.0	-12.3	1.45 H	322	32.2	9.5

Remarks:

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

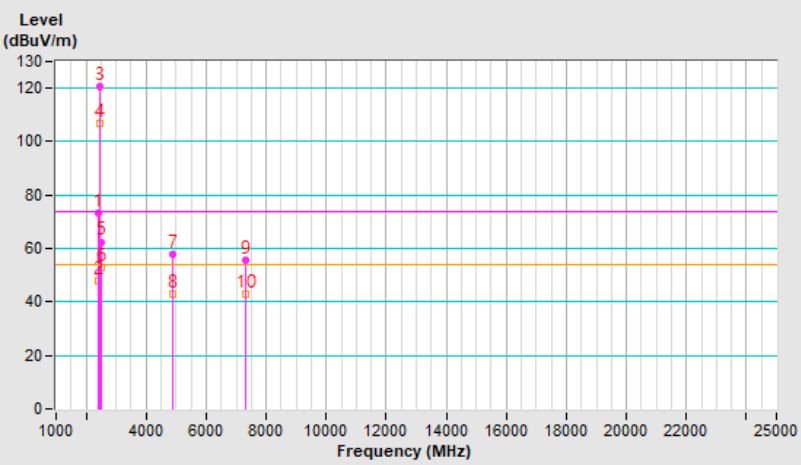


RF Mode	802.11be (EHT40)	Channel	CH 6：2437 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	73.1 PK	74.0	-0.9	2.02 V	272	74.5	-1.4
2	2390.00	47.9 AV	54.0	-6.1	2.02 V	272	49.3	-1.4
3	*2437.00	120.8 PK			2.02 V	272	122.2	-1.4
4	*2437.00	106.7 AV			2.02 V	272	108.1	-1.4
5	2483.50	62.5 PK	74.0	-11.5	2.02 V	272	63.9	-1.4
6	2483.50	53.1 AV	54.0	-0.9	2.02 V	272	54.5	-1.4
7	4874.00	58.0 PK	74.0	-16.0	1.98 V	351	55.0	3.0
8	4874.00	42.7 AV	54.0	-11.3	1.98 V	351	39.7	3.0
9	7311.00	55.5 PK	74.0	-18.5	1.44 V	151	46.0	9.5
10	7311.00	43.1 AV	54.0	-10.9	1.44 V	151	33.6	9.5

Remarks:

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

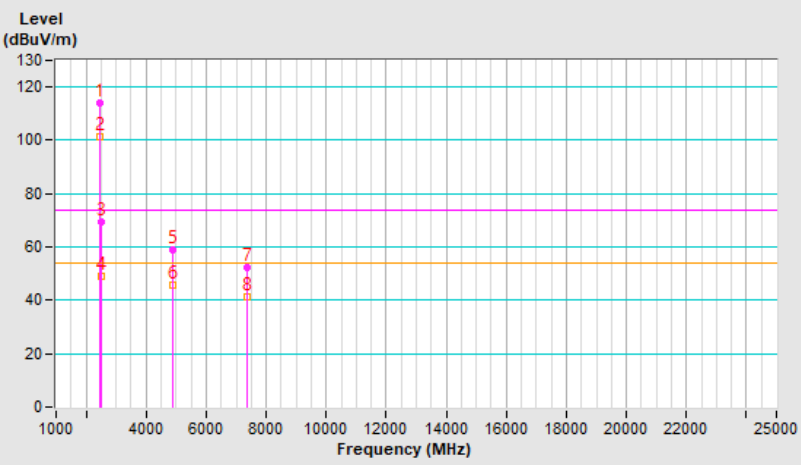


RF Mode	802.11be (EHT40)	Channel	CH 9：2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	114.1 PK			1.50 H	199	115.4	-1.3
2	*2452.00	101.5 AV			1.50 H	199	102.8	-1.3
3	2483.50	69.5 PK	74.0	-4.5	1.50 H	199	70.9	-1.4
4	2483.50	49.2 AV	54.0	-4.8	1.50 H	199	50.6	-1.4
5	4904.00	58.8 PK	74.0	-15.2	1.94 H	311	55.8	3.0
6	4904.00	45.8 AV	54.0	-8.2	1.94 H	311	42.8	3.0
7	7356.00	52.3 PK	74.0	-21.7	1.47 H	310	42.4	9.9
8	7356.00	41.5 AV	54.0	-12.5	1.47 H	310	31.6	9.9

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.

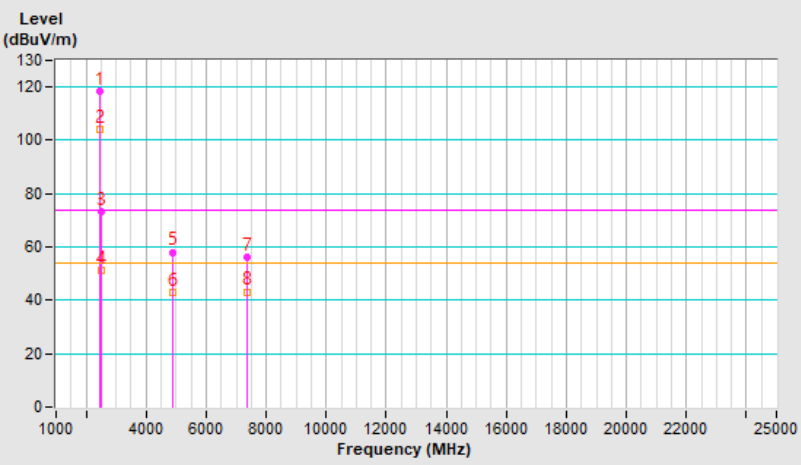


RF Mode	802.11be (EHT40)	Channel	CH 9：2452 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Willy Lin		

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	118.5 PK			2.02 V	299	119.8	-1.3
2	*2452.00	104.2 AV			2.02 V	299	105.5	-1.3
3	2483.50	73.3 PK	74.0	-0.7	2.02 V	299	74.7	-1.4
4	2483.50	51.3 AV	54.0	-2.7	2.02 V	299	52.7	-1.4
5	4904.00	58.1 PK	74.0	-15.9	1.94 V	360	55.1	3.0
6	4904.00	42.7 AV	54.0	-11.3	1.94 V	360	39.7	3.0
7	7356.00	56.0 PK	74.0	-18.0	1.48 V	162	46.1	9.9
8	7356.00	43.2 AV	54.0	-10.8	1.48 V	162	33.3	9.9

Remarks:

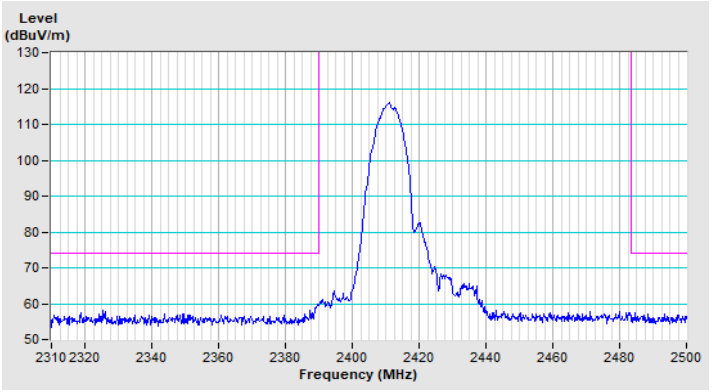
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



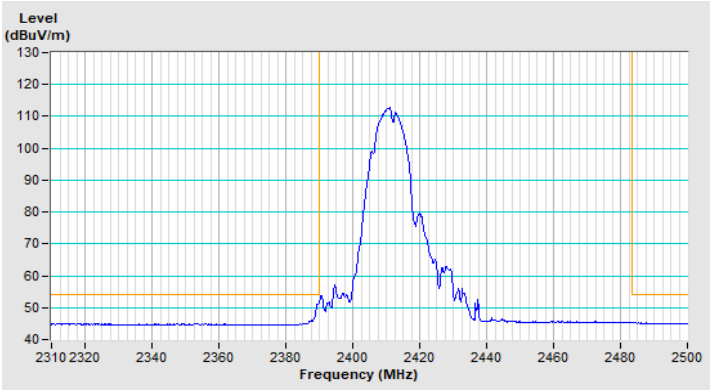
Plot of Band Edge

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

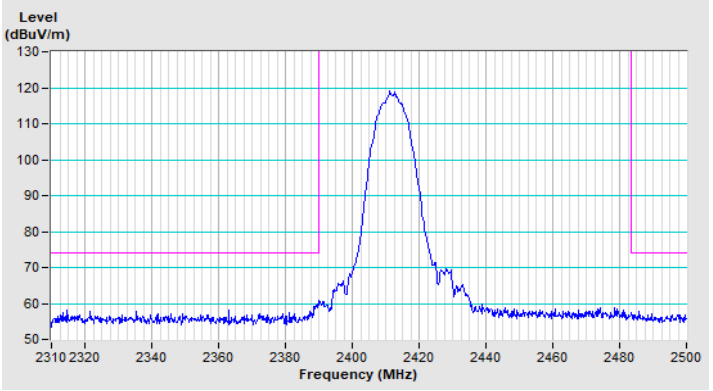
802.11b Channel 1



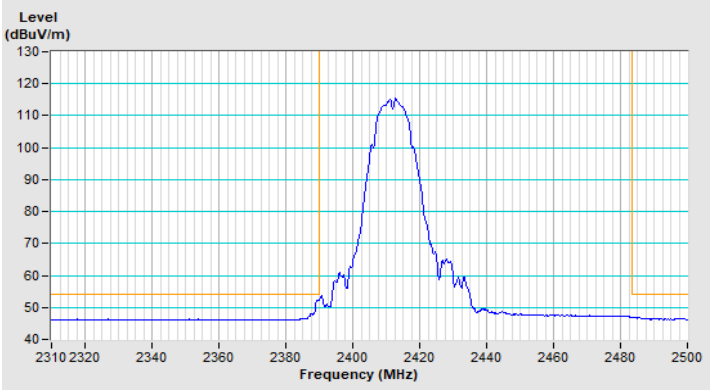
Horizontal (Peak)



Horizontal (Average)

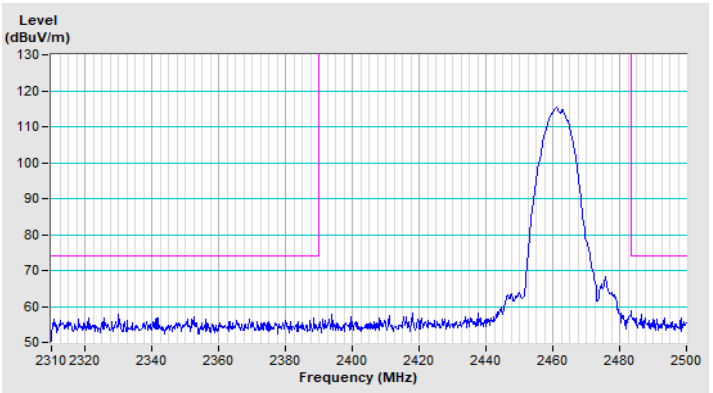


Vertical (Peak)

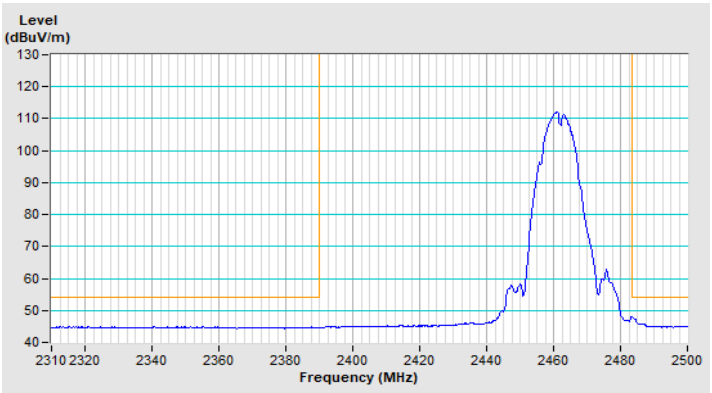


Vertical (Average)

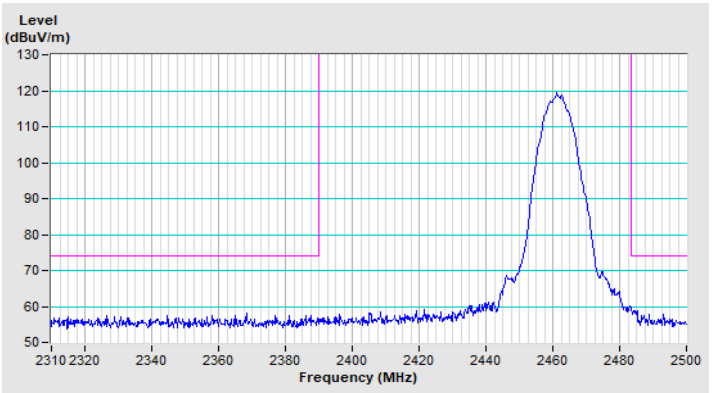
802.11b Channel 11



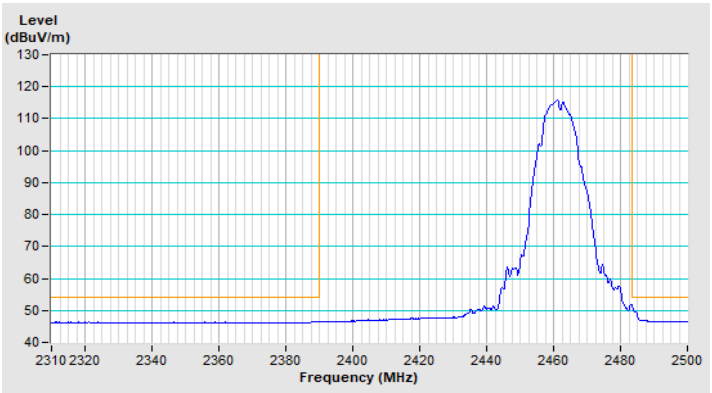
Horizontal (Peak)



Horizontal (Average)



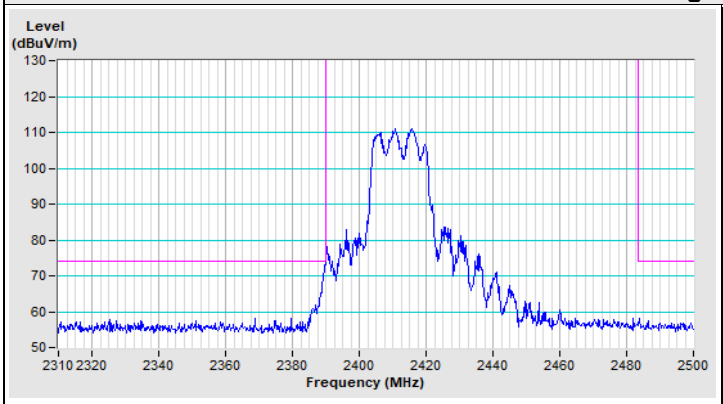
Vertical (Peak)



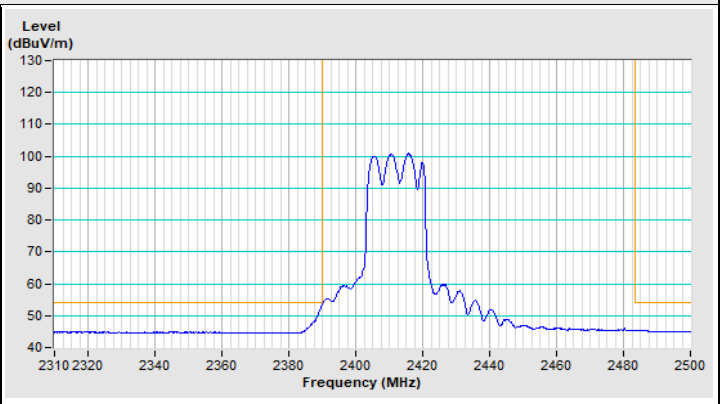
Vertical (Average)

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

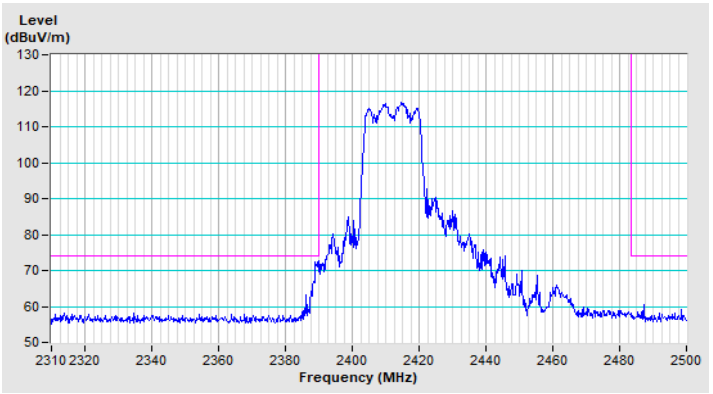
802.11g Channel 1



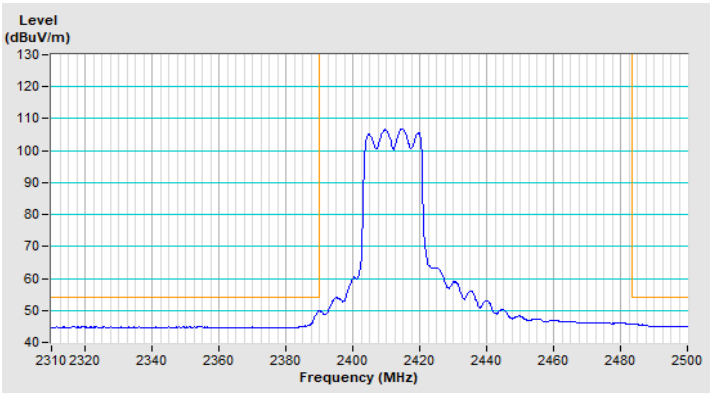
Horizontal (Peak)



Horizontal (Average)

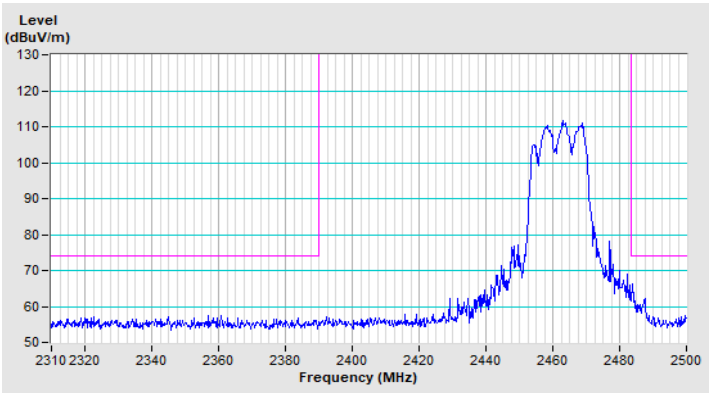


Vertical (Peak)

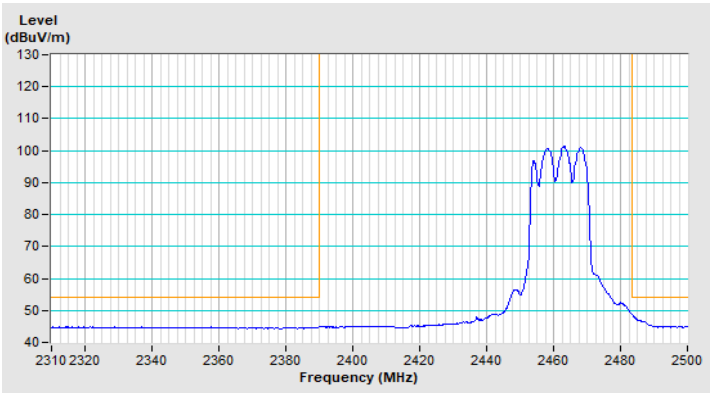


Vertical (Average)

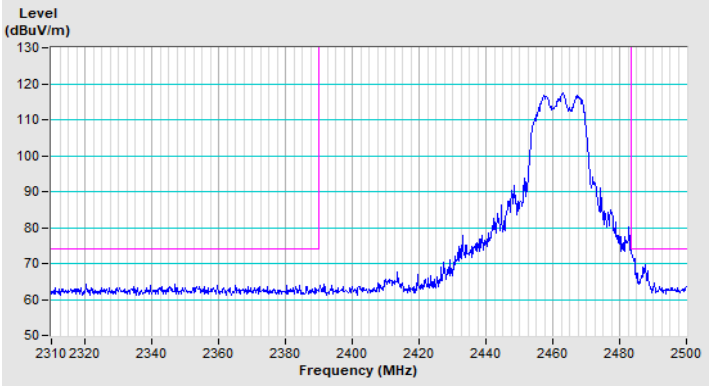
802.11g Channel 11



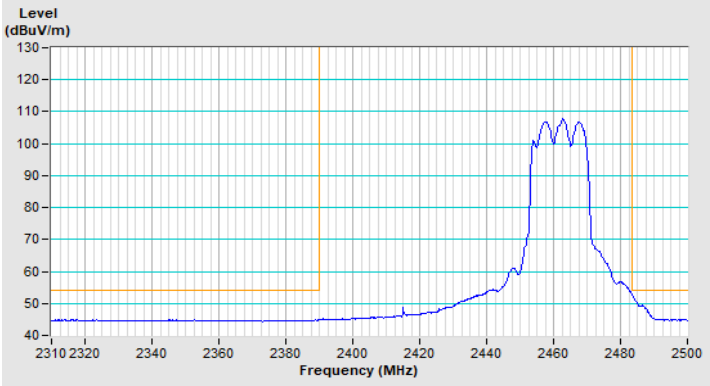
Horizontal (Peak)



Horizontal (Average)



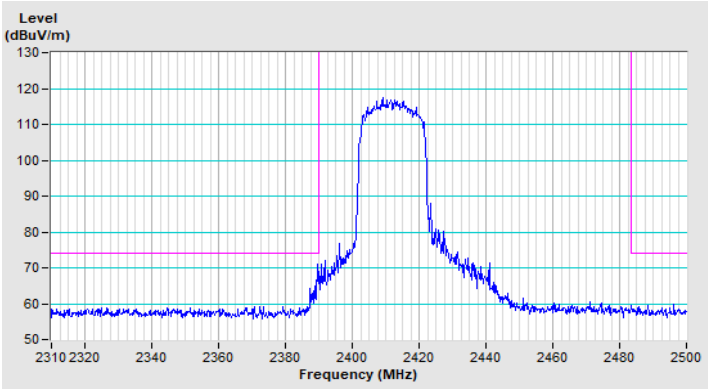
Vertical (Peak)



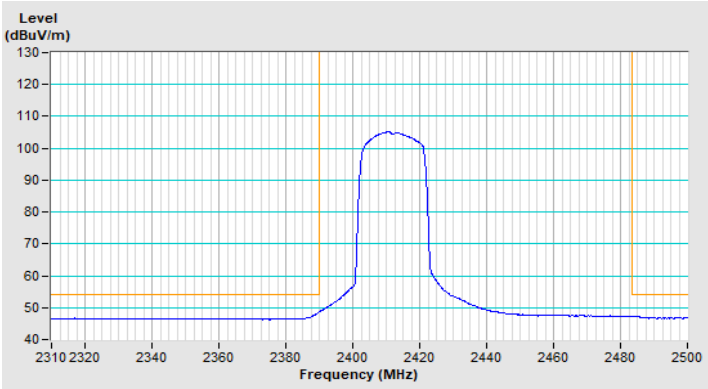
Vertical (Average)

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

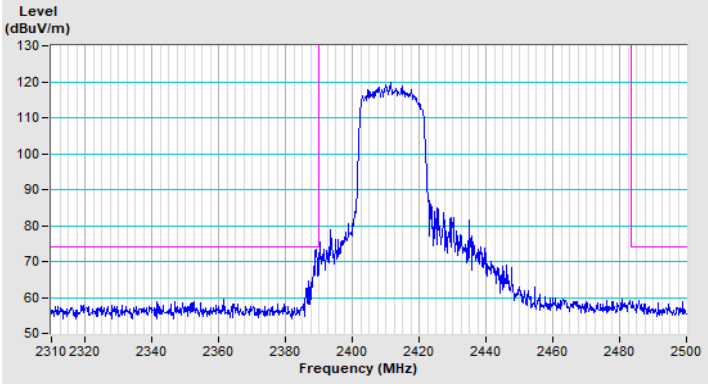
802.11be (EHT20) Channel 1



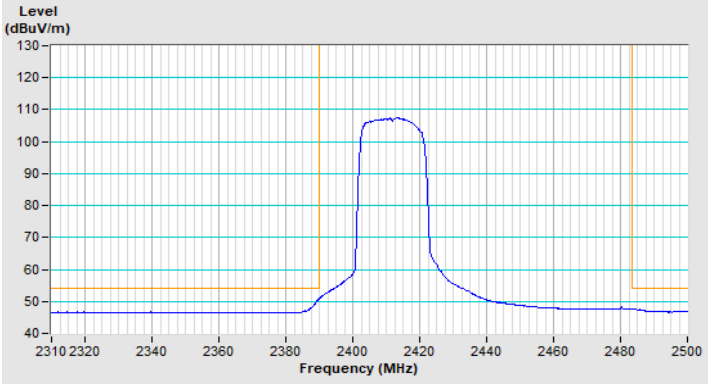
Horizontal (Peak)



Horizontal (Average)

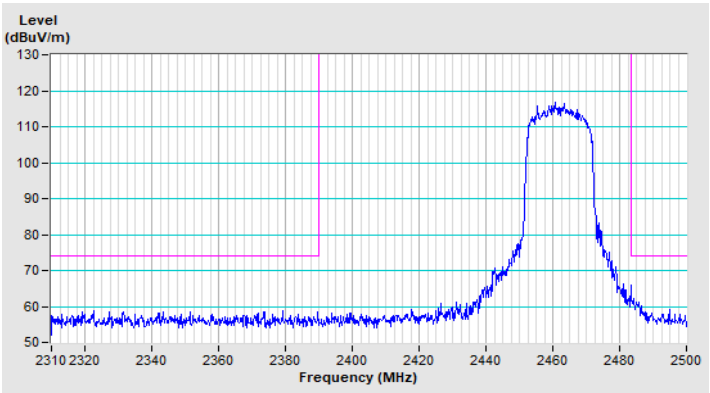


Vertical (Peak)

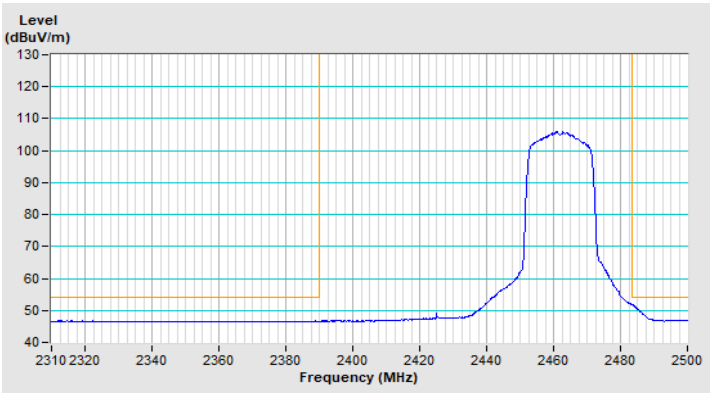


Vertical (Average)

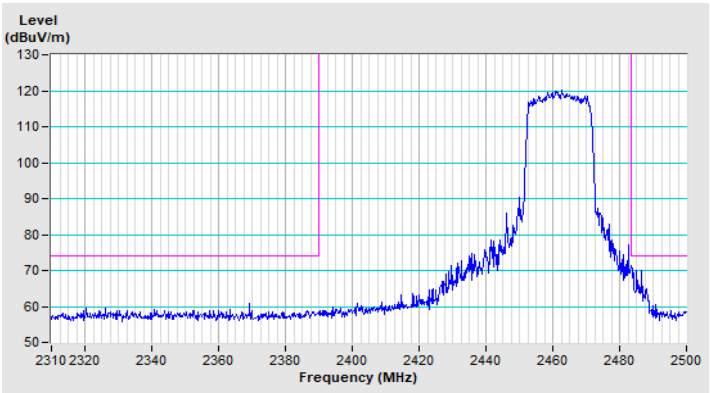
802.11be (EHT20) Channel 11



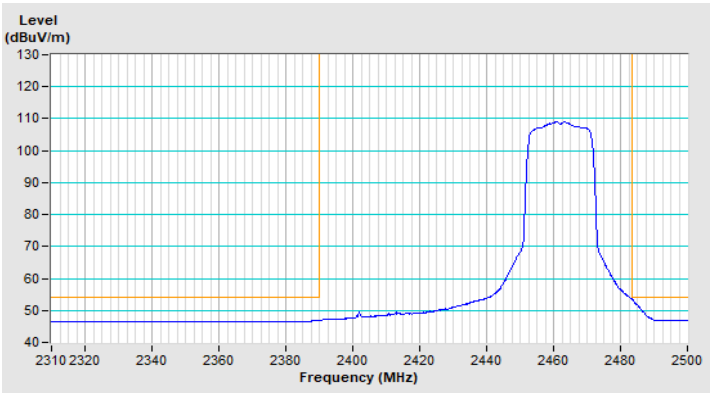
Horizontal (Peak)



Horizontal (Average)



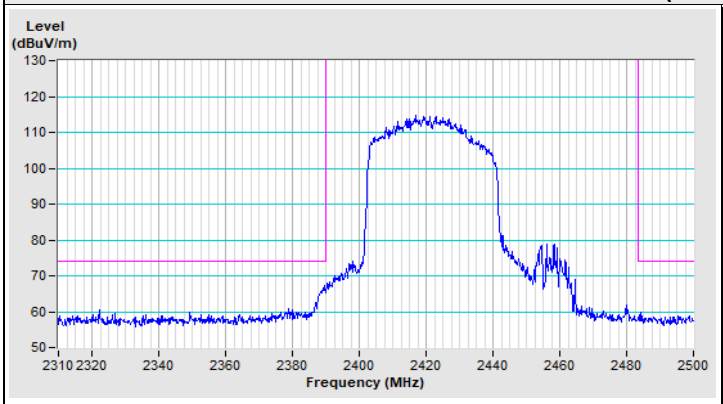
Vertical (Peak)



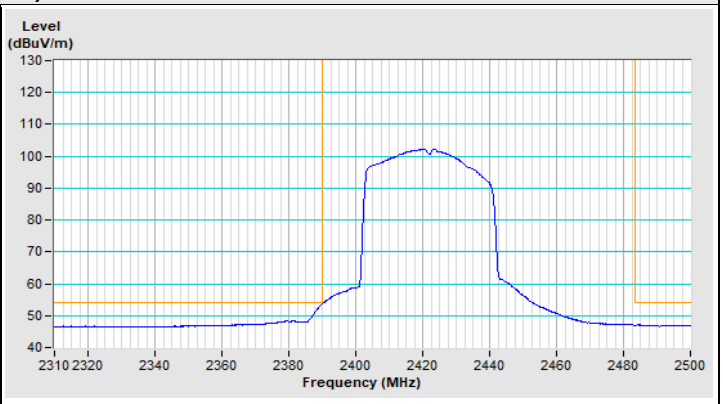
Vertical (Average)

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

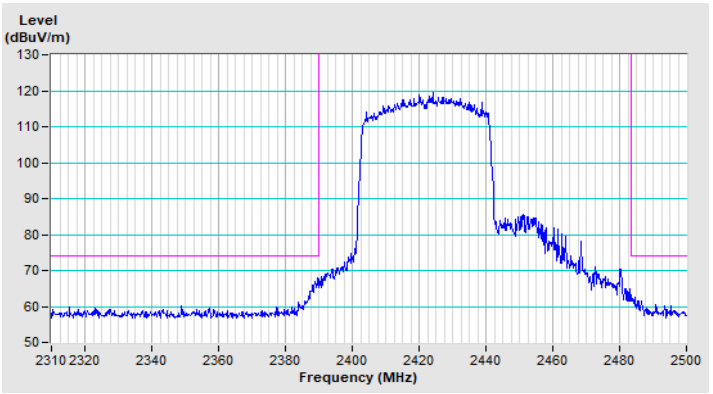
802.11be (EHT40) Channel 3



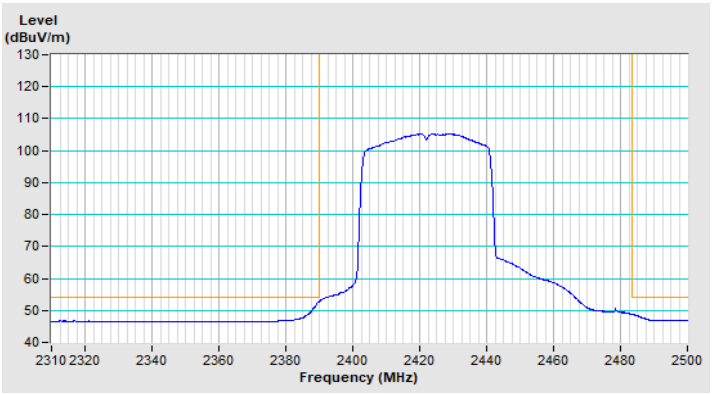
Horizontal (Peak)



Horizontal (Average)

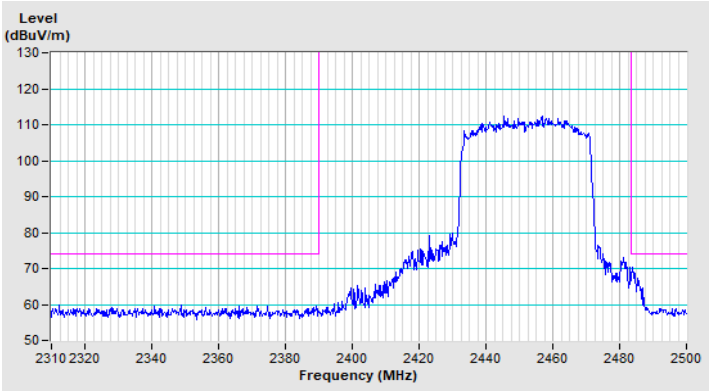


Vertical (Peak)

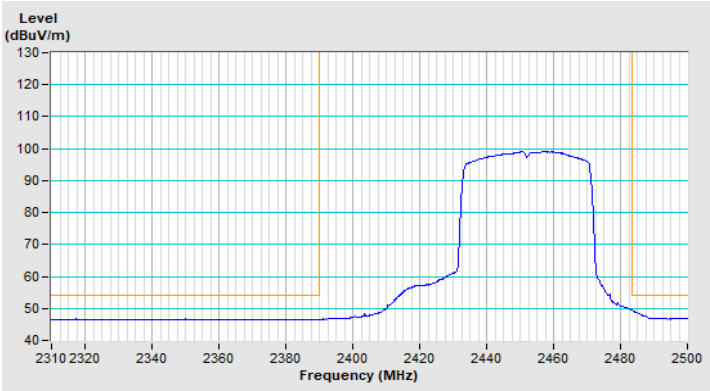


Vertical (Average)

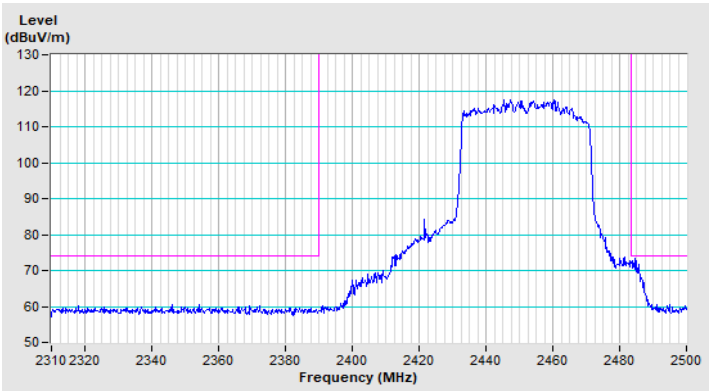
802.11be (EHT40) Channel 9



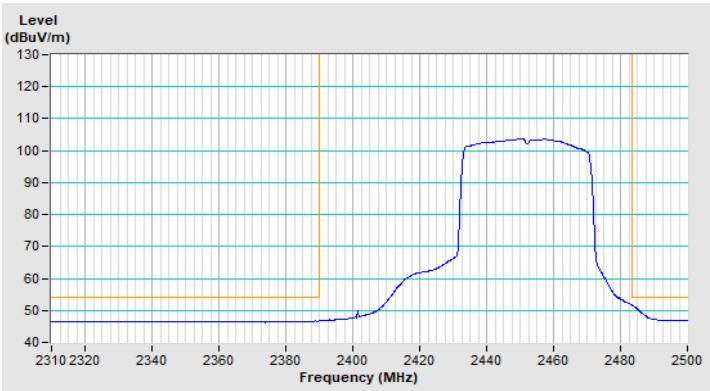
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

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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