TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: **47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.: RFBCMA-WTW-P24070713-8
FCC ID: RAXXC46BE
Product: Dragon
Brand: Verizon
Model No.: XC46BE
Received Date: 2024/9/27
Test Date: 2024/10/15 ~ 2024/10/29
Issued Date: 2024/11/19

Applicant: Arcadyan Technology Corporation
Address: No. 8, Sec.2, Guangfu Rd., Hsinchu City 30071, Taiwan, R.O.C.
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location(1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location(2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / Designation Number: 788550 / TW0003 for Test Location(1)
281270 / TW0032 for Test Location(2)

Approved by: Jeremy Lin , **Date:** **2024/11/19**
Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCMA-WTW-P24070713-8	Original release.	2024/11/19

1 Certificate

Product:	Dragon
Brand:	Verizon
Test Model:	XC46BE
Sample Status:	Engineering sample
Applicant:	Arcadyan Technology Corporation
Test Date:	2024/10/15 ~ 2024/10/29
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement Procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 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 E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.45 dB at 0.15400 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -1.9 dB at 364.65 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -1.0 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is R-SMA not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The “Dynamic Frequency Selection measurement” was recorded in DFS test report.

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) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.92 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 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 of EUT

Product	Dragon
Brand	Verizon
Test Model	XC46BE
Status of EUT	Engineering sample
Power Supply Rating	12.0Vdc from adapter 7.2 Vdc from battery
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in VHT mode 1024QAM for OFDMA in 11ax/be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2882.4 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.25 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 12 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 6 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Output Power	5.18 GHz ~ 5.25 GHz : 720.416 mW (28.58 dBm) 5.25 GHz ~ 5.32 GHz : 228.458 mW (23.59 dBm) 5.5 GHz ~ 5.72 GHz : 244.115 mW (23.88 dBm) 5.745 GHz ~ 5.825 GHz : 678.57 mW (28.32 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Adapter	
Brand	verizon
Model	1A105-1235
Input Power	105-125 Vac, 60Hz, 1.2A
Output Power	12.0Vdc, 3.5A, 42.0W
DC Output Cable	1.8 meter unshielded cable, w/o ferrite core

Battery	
Brand	Atemitech
Model	XC46BE224T-F100
Power Rating	7.2Vdc, 9800mAh (70.56Wh)

2. Simultaneously transmission combination.

Combination	Technology		
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WWAN (LTE)
2	WLAN (2.4 GHz)	WLAN (5 GHz)	WWAN (5GNR)

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Antenna Net Gain (dBi)	Frequency range	Antenna Type	Connector Type
Ant.5	0	3.55	2.4 GHz ~ 2.4835 GHz	Dipole	R-SMA
		5.16	5.15 GHz ~ 5.25 GHz		
		4.3	5.25 GHz ~ 5.35 GHz		
		5.81	5.47 GHz ~ 5.725 GHz		
		5.6	5.725 GHz ~ 5.85 GHz		
Ant.6	1	3.5	2.4 GHz ~ 2.4835 GHz	Dipole	R-SMA
		4.25	5.15 GHz ~ 5.25 GHz		
		4.73	5.25 GHz ~ 5.35 GHz		
		5.89	5.47 GHz ~ 5.725 GHz		
		5.5	5.725 GHz ~ 5.85 GHz		
Ant.7	0 (ZW-DFS Rx only)	4.38	5.15 GHz ~ 5.85 GHz	PIFA	ipex(MHF)

Radio	Frequency range	Directional Gain
2G	2.4~2.4835GHz	5.28
5G	5.15~5.25GHz	6.48
	5.25~5.35GHz	6.33
	5.47~5.725GHz	7.08
	5.725~5.85GHz	6.73

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX

Note:
1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both modes 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), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore, the investigated worst case is the representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	54	5270 MHz
46	5230 MHz	62	5310 MHz

2 channels are provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

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

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	138	5690 MHz
122	5610 MHz		

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. For Unwanted Emission (below 1GHz) items: Battery / POE / AC Adapter. Pre-scan these modes and find the worst case as a representative test condition. 2. For AC power conducted emission items: POE/AC Adapter. Only these modes 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. For Unwanted Emission (below 1GHz) items worst condition: AC Adapter 2. For AC Power conducted emission items worst condition: AC Adapter 3. EUT only operate on the specific X-axis for tested.

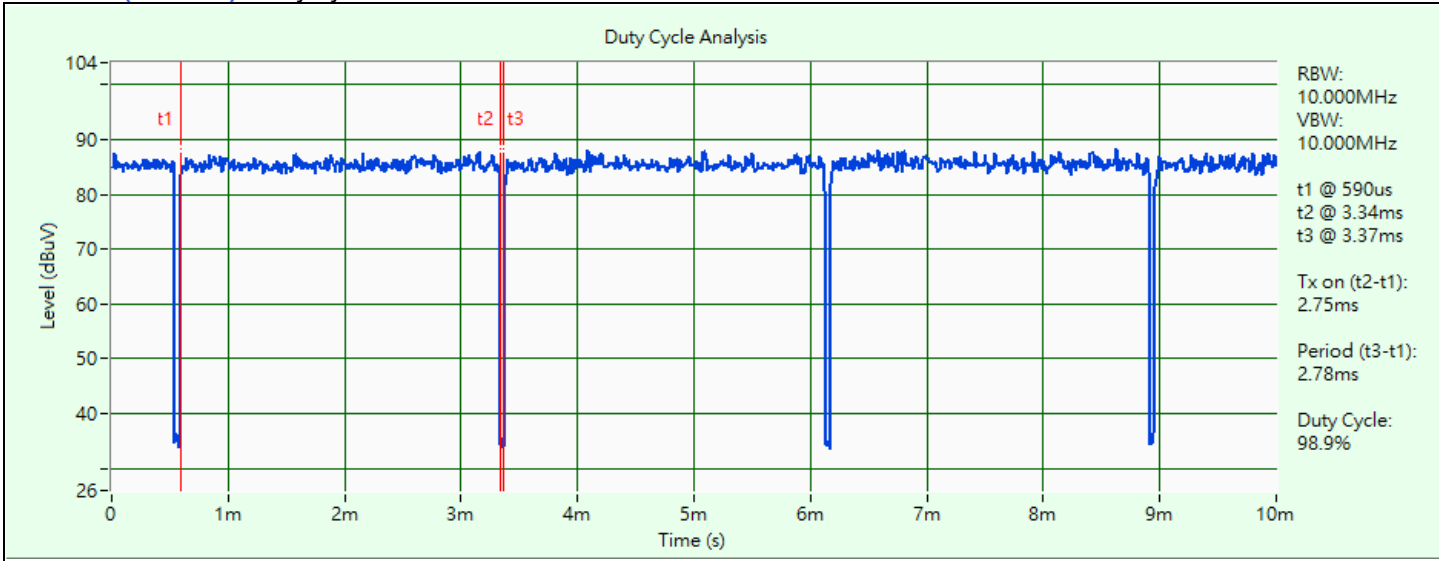
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11be (EHT20)		52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)		54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)		58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)		42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)		42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)		144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)		142, 151, 159	BPSK	MCS0
	802.11be (EHT80)		138, 155	BPSK	MCS0

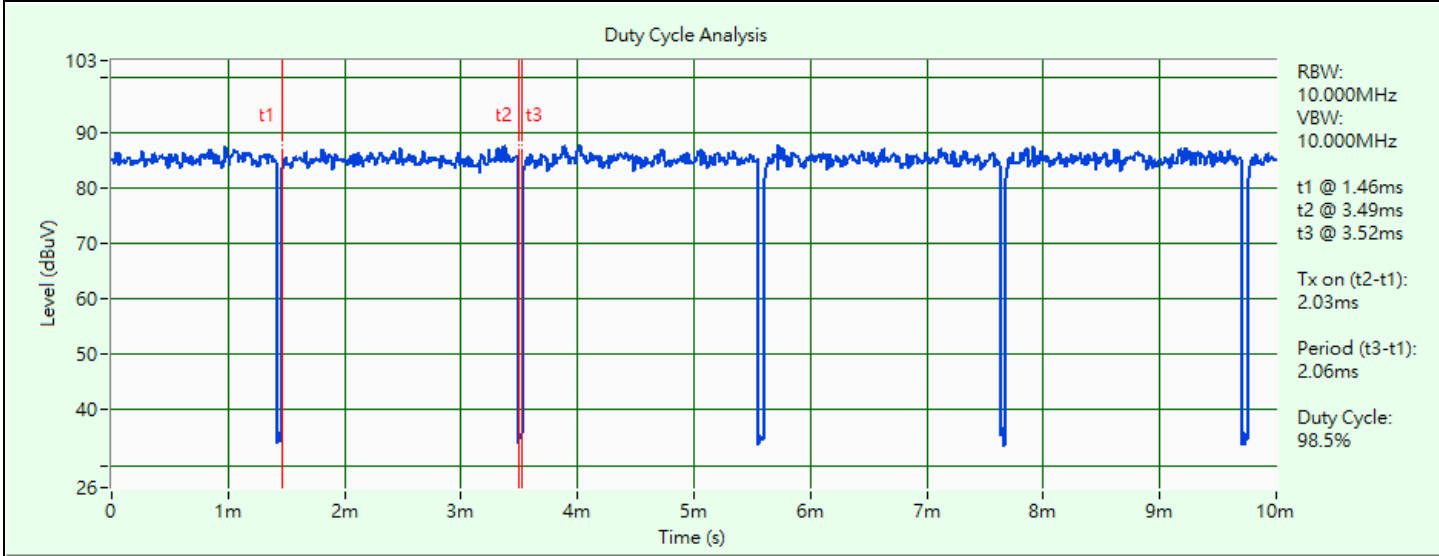
Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)		42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
AC Power Conducted Emissions	802.11be (EHT20)	CDD	48	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT20)	CDD	48	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)		42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
Note: Partial RU (resource unit) and channel puncturing mechanisms are not supported.					

3.5 Duty Cycle of Test Signal

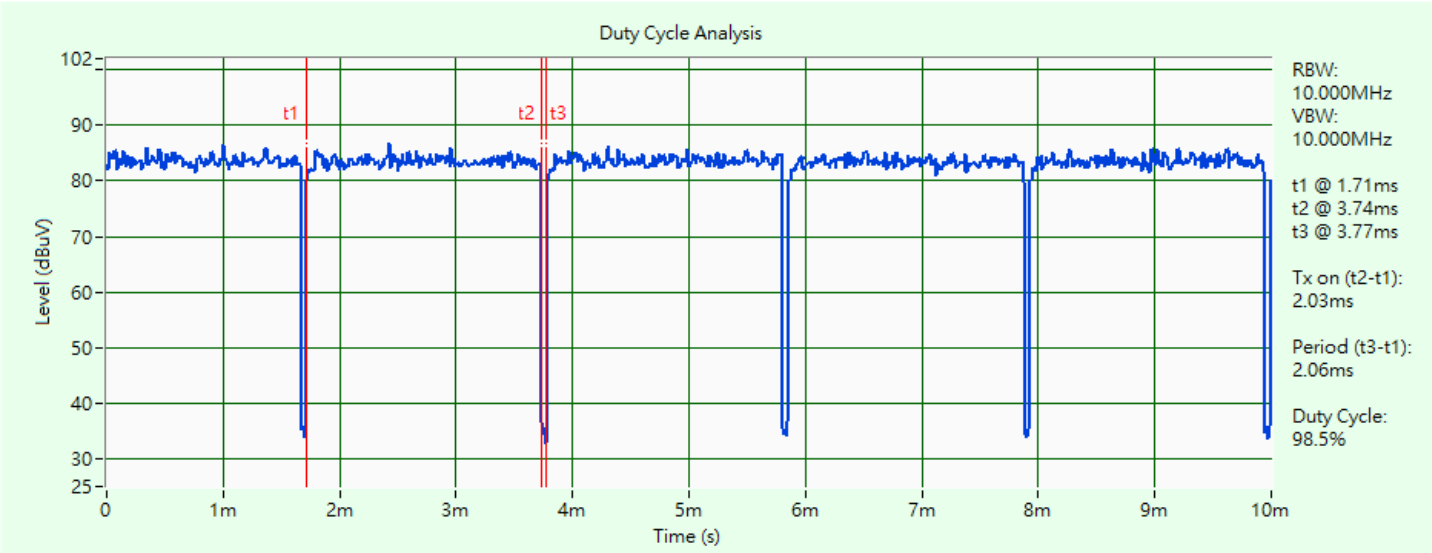
802.11a: Duty cycle = 2.75 ms / 2.78 ms x 100% = 98.9%
802.11be (EHT20): Duty cycle = 2.03 ms / 2.06 ms x 100% = 98.5%
802.11be (EHT40): Duty cycle = 2.03 ms / 2.06 ms x 100% = 98.5%
802.11be (EHT80): Duty cycle = 1.94 ms / 1.98 ms x 100% = 98.0%
802.11be (EHT160): Duty cycle = 1.94 ms / 1.98 ms x 100% = 98.0%



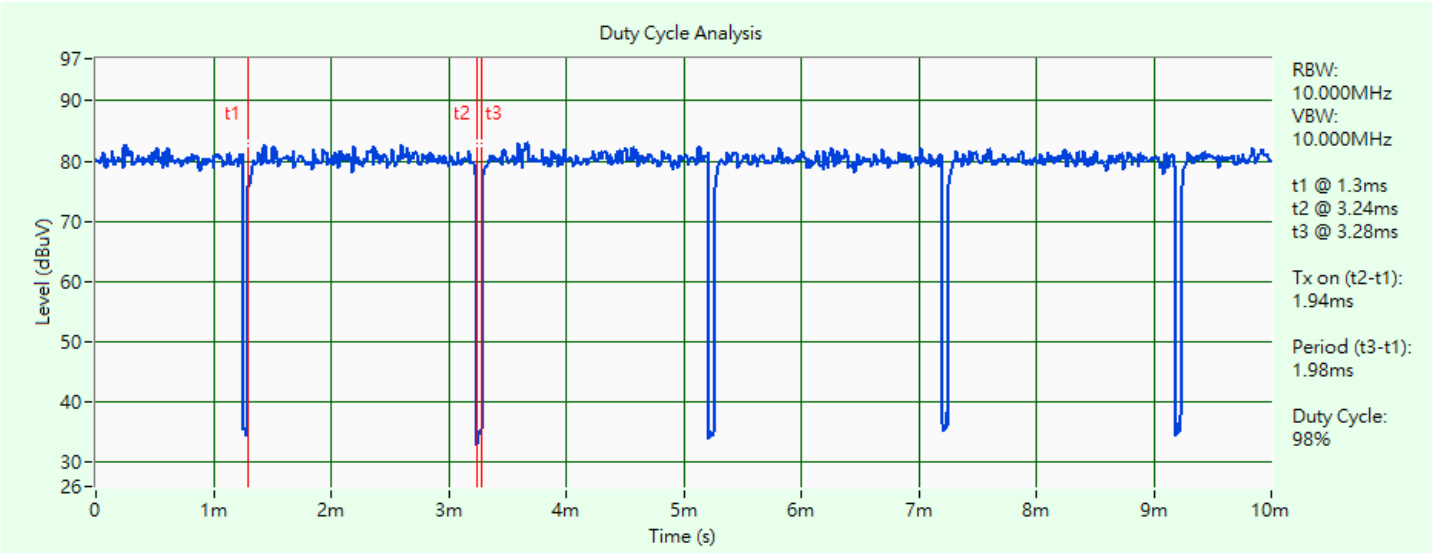
802.11a



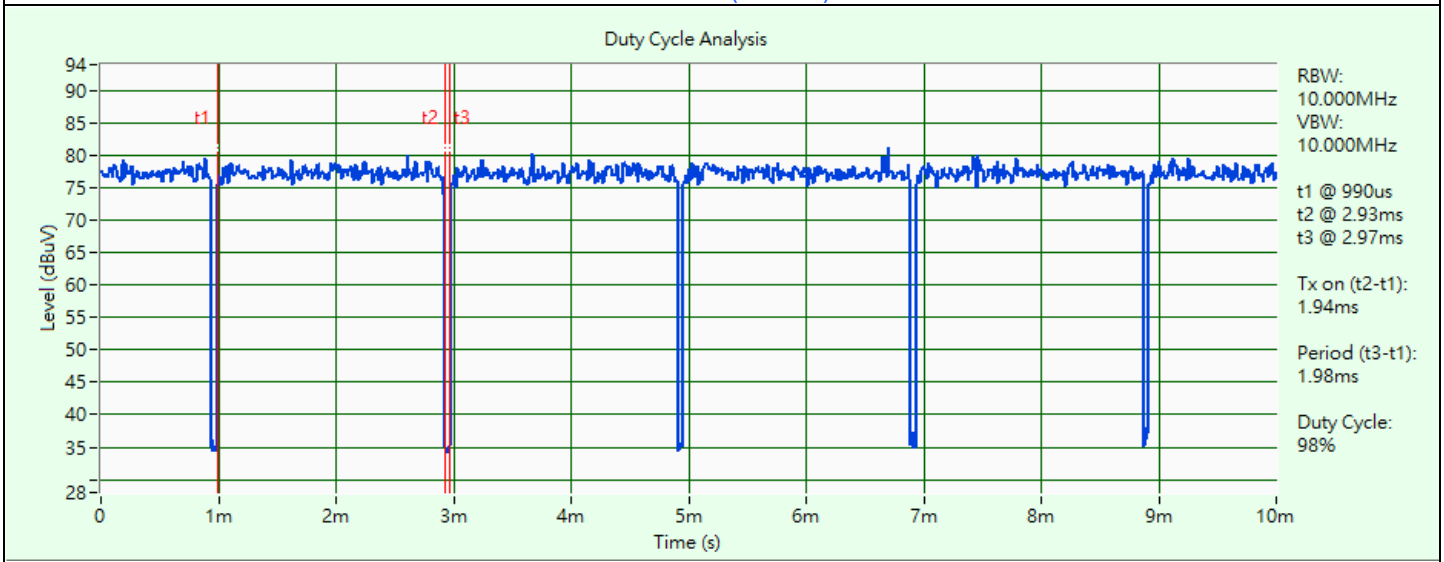
802.11be (EHT20)



802.11be (EHT40)



802.11be (EHT80)

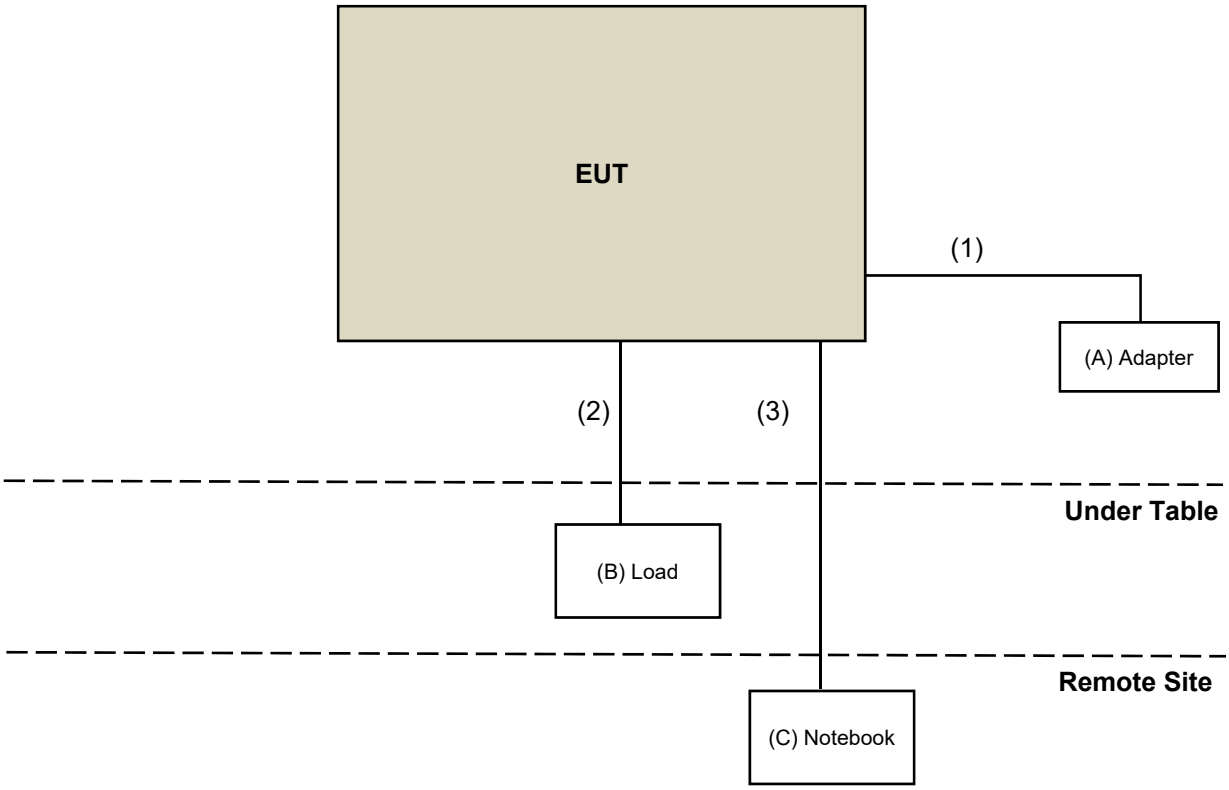


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software QATool 0.0.2.99 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	verizon	1A105-1235	NA	NA	Supplied by applicant
B	Load	NA	NA	NA	NA	Provided by Lab
C	Laptop	Lenovo	20J4 MD A003TW	PF-11H9AK	NA	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Output Cable	1	1.8	No	0	Supplied by applicant
2	LAN cable	2	1.5	No	0	Provided by Lab
3	LAN cable	1	10	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal & Spectrum Analyzer R&S	FSV3044	101105	2024/2/27	2025/2/26
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/10/25

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Signal & Spectrum Analyzer R&S	FSV3044	101105	2024/2/27	2025/2/26
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/10/25

4.3 Power Spectral Density

Refer to section 4.1 to get the tested date and information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2023/11/22	2024/11/21
50 ohm terminal resistance	E1-011279	04	2023/11/22	2024/11/21
	E1-011280	05	2023/11/22	2024/11/21
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESR3	102783	2023/12/13	2024/12/12
Fixed Attenuator STI	BNC5W10dB	PAD-COND2-01	2024/8/25	2025/8/24
LISN R&S	ESH2-Z5	100100	2024/3/6	2025/3/5
	ESH3-Z5	100312	2024/9/9	2025/9/8
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2024/8/25	2025/8/24
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2024/10/29

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower KaiTuo	N/A	N/A	N/A	N/A
Antenna Tower Controller KaiTuo	KT-2000	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-995	2024/10/9	2025/10/8
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC330N	980783	2024/1/15	2025/1/14
	EMC001340	980201	2024/9/24	2025/9/23
PXA Signal Analyzer Keysight	N9030B	MY57140488	2024/3/6	2025/3/5
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201245	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-3000	201250	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-9000	201252(with PAD)	2024/1/15	2025/1/14
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208675	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 7.
2. Tested Date: 2024/10/28

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower KaiTuo	N/A	N/A	N/A	N/A
Antenna Tower Controller KaiTuo	KT-2000	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210104A18E	2023/11/12	2024/11/11
Horn Antenna Schwarzbeck	BBHA 9170	9170-1048	2023/11/12	2024/11/11
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC118A45SE	980810	2023/12/28	2024/12/27
	EMC184045SE	980787	2024/1/15	2025/1/14
PXA Signal Analyzer Keysight	N9030B	MY57140488	2024/3/6	2025/3/5
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2024/1/15	2025/1/14
	EMC101G-KM-KM-3000	201258	2024/1/15	2025/1/14
	EMC101G-KM-KM-5000	201261	2024/1/15	2025/1/14
	EMC104-SM-SM-1000	210101	2024/1/15	2025/1/14
	EMC104-SM-SM-3000	201242	2024/1/15	2025/1/14
	EMC104-SM-SM-9000	201230	2024/1/15	2025/1/14
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208675	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 7.
2. Tested Date: 2024/10/15 ~ 2024/10/25

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Point	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Mobile and Portable client device	250mW (24 dBm)

Operation Band	Limit
U-NII-2A	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

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.

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	Mobile and Portable client device	11 dBm/MHz

Operation Band	Limit
U-NII-2A	11 dBm/MHz
U-NII-2C	11 dBm/MHz
U-NII-3	30 dBm/500 kHz

5.4 6 dB Bandwidth

Within the 5.725-5.850 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.5 Occupied Bandwidth

The results are for reference only.

5.6 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.

5.7 Unwanted Emissions below 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

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).

5.8 Unwanted Emissions above 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

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.

Limits of unwanted emission out of the restricted bands

Applicable To	Limit	
789033 D02 General UNII Test Procedure New Rules v02r01	Field Strength at 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)

For transmitters operating in the 5.15-5.25 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.25-5.35 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(2)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.47-5.725 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2 (dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8 (dBμV/m) *3 PK: 122.2 (dBμV/m) *4
*1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

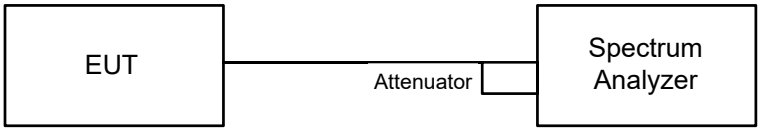
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts).

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



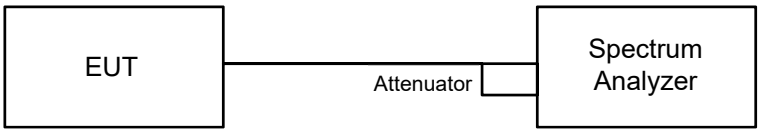
6.1.2 Test Procedure

a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

Method PM is 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 and set the detector to average. Duty factor is not added to measured value.

For channel straddling:

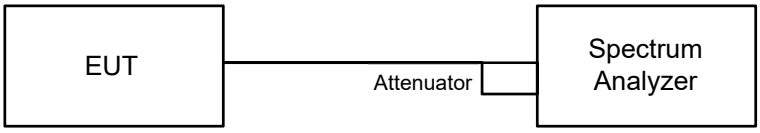
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument’s band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

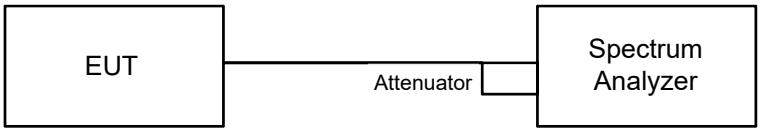
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

For specified measurement bandwidth 500 kHz:
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300 kHz)
d. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

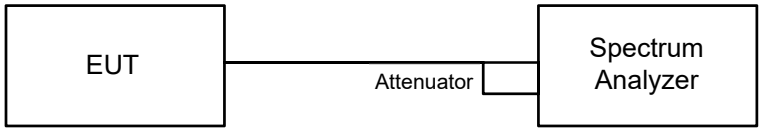


6.4.2 Test Procedure

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.

6.5 Occupied Bandwidth

6.5.1 Test Setup

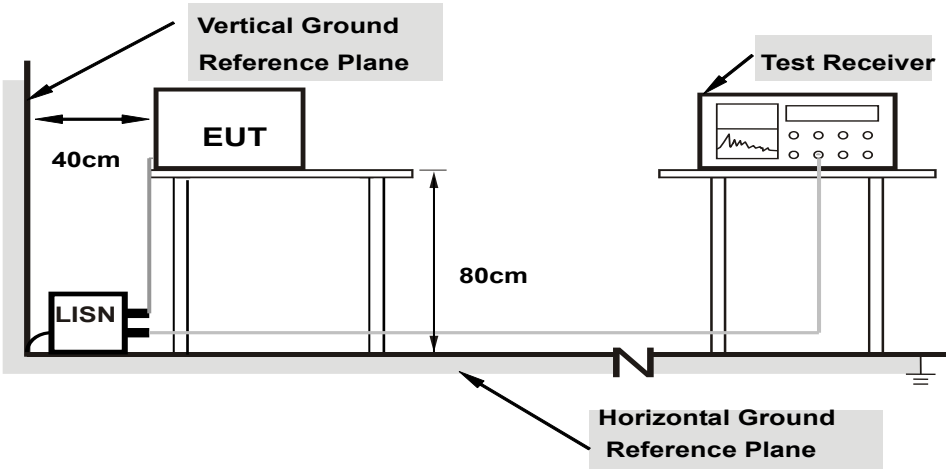


6.5.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

6.6 AC Power Conducted Emissions

6.6.1 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).

6.6.2 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.

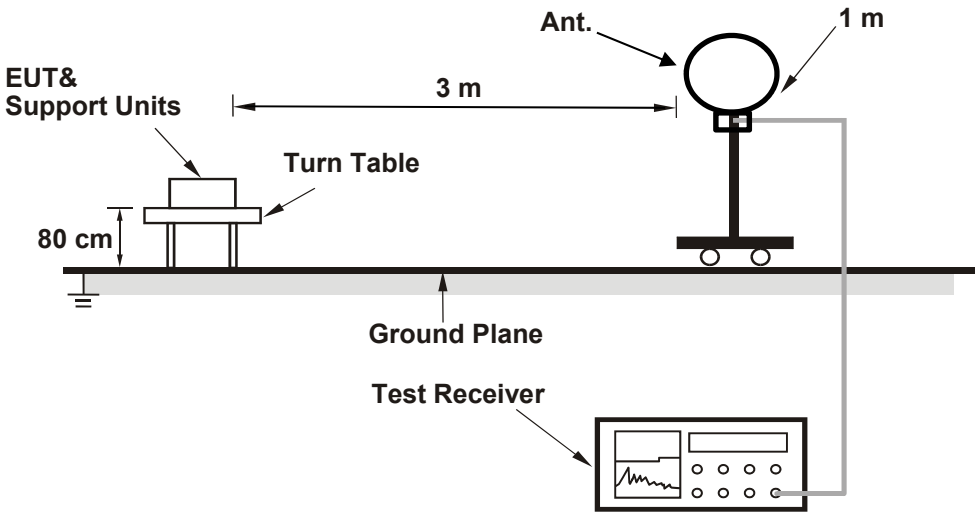
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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.

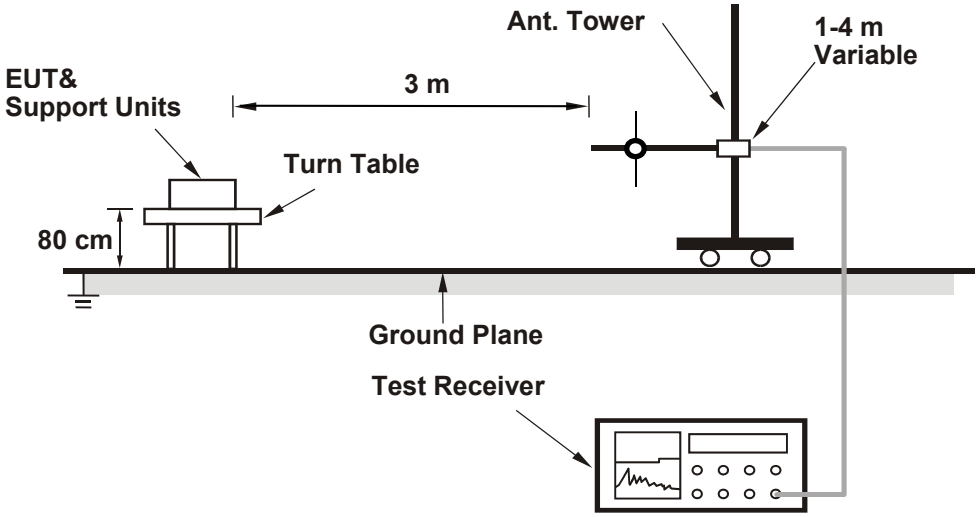
6.7 Unwanted Emissions below 1 GHz

6.7.1 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).

6.7.2 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.

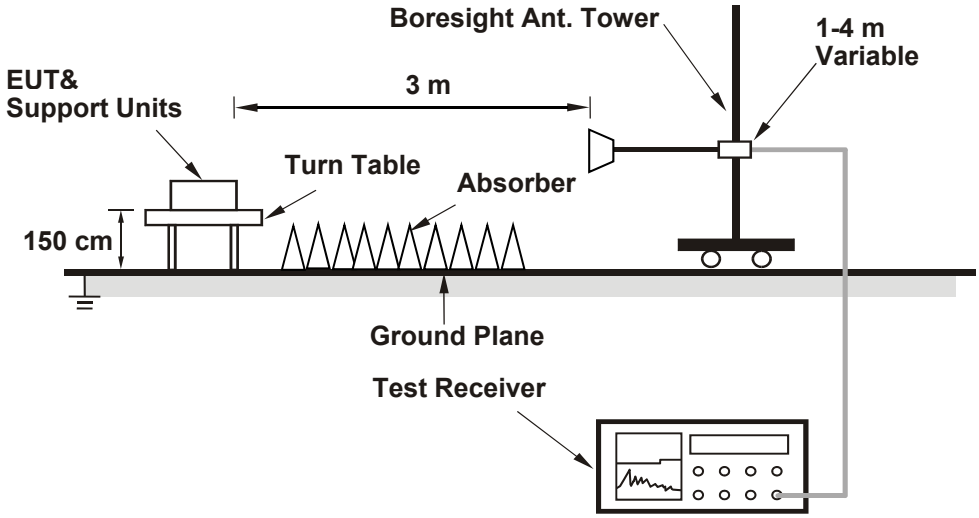
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

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.

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 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 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.64	18.55
60	5300	18.56	18.56
64	5320	18.64	18.49
100	5500	18.64	18.51
116	5580	18.58	18.51
140	5700	18.67	18.55
144 (U-NII-2C)	5720	14.41	14.27
144 (U-NII-3)	5720	4.27	4.23

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	18.55	23.68	<	24
60	5300	18.56	23.68	<	24
64	5320	18.49	23.66	<	24
100	5500	18.51	23.67	<	24
116	5580	18.51	23.67	<	24
140	5700	18.55	23.68	<	24
144 (U-NII-2C)	5720	14.27	22.54	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.11	20.05
60	5300	20.03	20.06
64	5320	20.07	20.10
100	5500	20.08	20.00
116	5580	20.05	20.08
140	5700	20.10	20.05
144 (U-NII-2C)	5720	15.04	15.11
144 (U-NII-3)	5720	5.03	5.09

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.05	24.02	>	24
60	5300	20.03	24.01	>	24
64	5320	20.07	24.02	>	24
100	5500	20.00	24.01	>	24
116	5580	20.05	24.02	>	24
140	5700	20.05	24.02	>	24
144 (U-NII-2C)	5720	15.04	22.77	<	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	39.57	39.74
62	5310	39.72	39.50
102	5510	39.58	39.70
110	5550	39.68	39.58
134	5670	39.68	39.66
142 (U-NII-2C)	5710	34.86	34.81
142 (U-NII-3)	5710	4.79	4.80

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	39.57	26.97	>	24
62	5310	39.50	26.96	>	24
102	5510	39.58	26.97	>	24
110	5550	39.58	26.97	>	24
134	5670	39.66	26.98	>	24
142 (U-NII-2C)	5710	34.81	26.41	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	80.81	80.90
106	5530	80.89	80.86
122	5610	80.93	80.90
138 (U-NII-2C)	5690	75.51	75.43
138 (U-NII-3)	5690	5.50	5.38

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	80.81	30.07	>	24
106	5530	80.86	30.07	>	24
122	5610	80.90	30.07	>	24
138 (U-NII-2C)	5690	75.43	29.77	>	24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

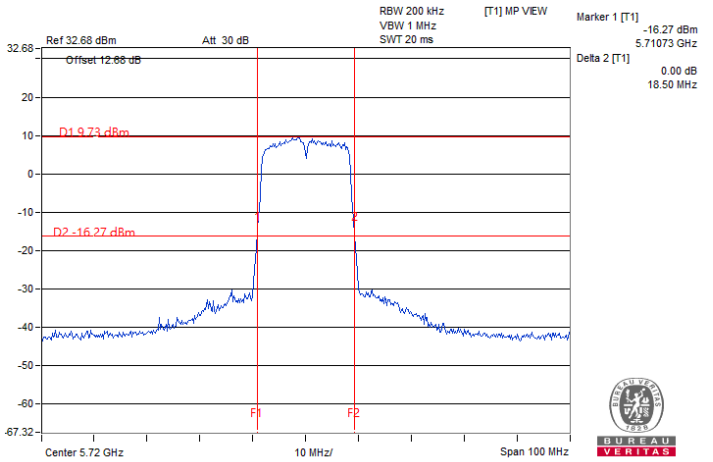
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	81.62	81.50
50 (U-NII-2A)	5250	81.60	81.56
114	5570	162.63	163.01

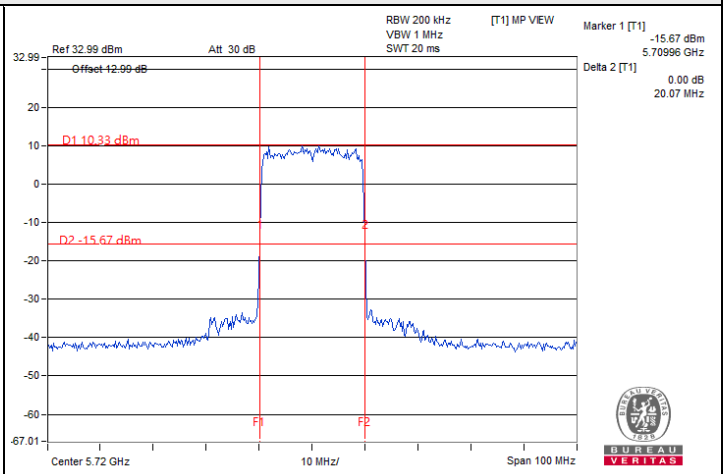
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	81.56	30.11 > 24
114	5570	162.63	33.11 > 24

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

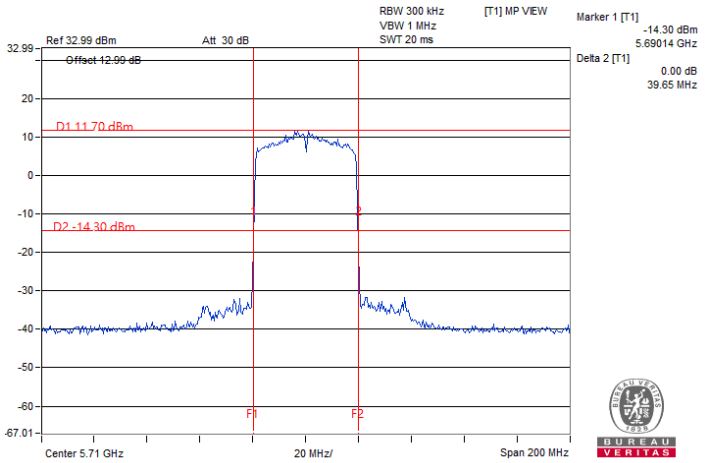
Spectrum Plot of Minimum Value



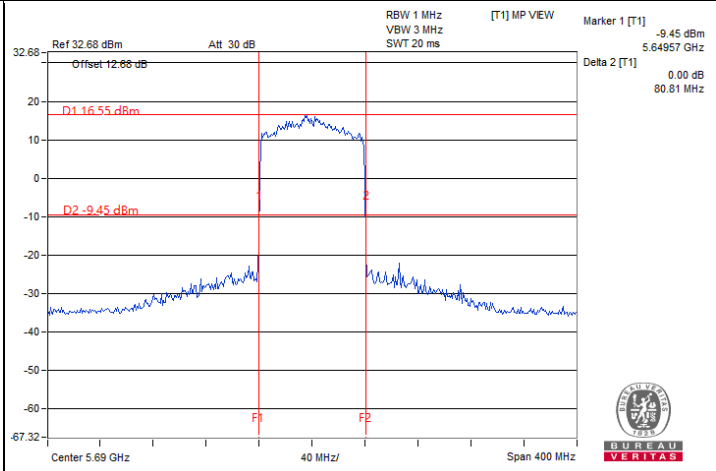
802.11a / Chain 1 : CH 144 (U-NII-3)



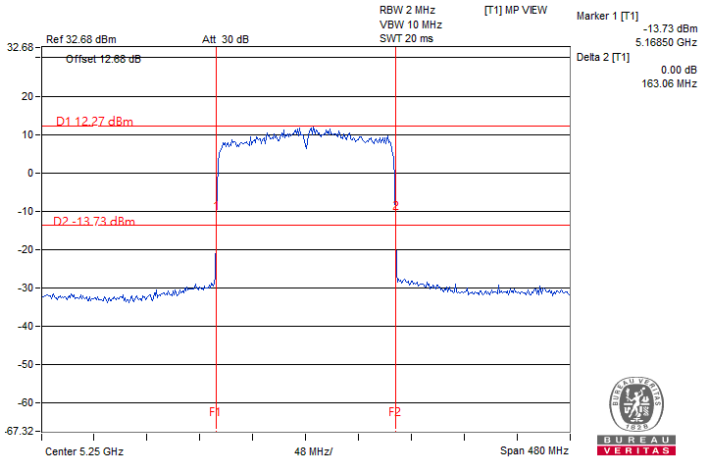
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)



802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	21.16	20.58	244.905	23.89	30	Pass
40	5200	24.39	23.98	524.824	27.20	30	Pass
48	5240	25.43	24.48	629.684	27.99	30	Pass
52	5260	20.10	19.26	186.663	22.71	23.68	Pass
60	5300	20.17	19.22	187.552	22.73	23.68	Pass
64	5320	20.30	18.85	183.888	22.65	23.66	Pass
100	5500	19.03	19.19	162.969	22.12	23.67	Pass
116	5580	19.04	19.25	164.307	22.16	23.67	Pass
140	5700	18.58	19.56	162.476	22.11	23.68	Pass
*144 (U-NII-2C)	5720	17.42	18.49	125.839	21.00	22.54	Pass
*144 (U-NII-3)	5720	10.54	11.86	26.67	14.26	30	Pass
149	5745	22.68	23.78	424.134	26.28	30	Pass
157	5785	22.86	23.41	412.477	26.15	30	Pass
165	5825	22.97	23.79	437.484	26.41	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	20.21	20.28	211.614	23.26	30	Pass
40	5200	23.64	23.10	435.38	26.39	30	Pass
48	5240	26.15	24.89	720.416	28.58	30	Pass
52	5260	20.69	19.61	208.631	23.19	24	Pass
60	5300	20.66	19.73	210.385	23.23	24	Pass
64	5320	20.64	19.22	199.438	23.00	24	Pass
100	5500	19.17	19.44	170.506	22.32	24	Pass
116	5580	19.31	19.53	175.053	22.43	24	Pass
140	5700	18.75	20.10	177.319	22.49	24	Pass
*144 (U-NII-2C)	5720	17.30	18.58	125.814	21.00	22.77	Pass
*144 (U-NII-3)	5720	11.46	12.54	31.943	15.04	30	Pass
149	5745	23.74	24.68	530.357	27.25	30	Pass
157	5785	23.96	24.52	532.025	27.26	30	Pass
165	5825	22.98	23.88	442.953	26.46	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.71	19.90	191.264	22.82	30	Pass
46	5230	23.26	22.97	409.989	26.13	30	Pass
54	5270	21.00	20.11	228.458	23.59	24	Pass
62	5310	20.00	18.72	174.473	22.42	24	Pass
102	5510	20.09	21.41	240.451	23.81	24	Pass
110	5550	20.55	20.65	229.646	23.61	24	Pass
134	5670	20.40	21.10	238.473	23.77	24	Pass
*142 (U-NII-2C)	5710	19.44	20.64	203.78	23.09	24	Pass
*142 (U-NII-3)	5710	8.04	9.13	14.553	11.63	30	Pass
151	5755	24.37	24.18	535.345	27.29	30	Pass
159	5795	25.23	25.38	678.57	28.32	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	18.55	18.60	144.058	21.59	30	Pass
58	5290	19.53	18.41	159.085	22.02	24	Pass
106	5530	20.63	20.59	230.163	23.62	24	Pass
122	5610	20.79	20.94	244.115	23.88	24	Pass
*138 (U-NII-2C)	5690	20.14	20.62	218.621	23.40	24	Pass
*138 (U-NII-3)	5690	4.91	5.54	6.678	8.25	30	Pass
155	5775	21.20	20.55	245.327	23.90	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	13.81	13.36	45.721	16.60	30	Pass
*50 (U-NII-2A)	5250	14.17	13.78	50	16.99	24	Pass
114	5570	18.91	18.72	152.277	21.83	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 4.73 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 5.89 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				
36	5180	20.21	20.28	211.614	23.26	29.52	Pass
40	5200	23.64	23.10	435.38	26.39	29.52	Pass
48	5240	26.15	24.89	720.416	28.58	29.52	Pass
52	5260	20.69	19.61	208.631	23.19	23.67	Pass
60	5300	20.66	19.73	210.385	23.23	23.67	Pass
64	5320	20.64	19.22	199.438	23.00	23.67	Pass
100	5500	19.17	19.44	170.506	22.32	22.92	Pass
116	5580	19.31	19.53	175.053	22.43	22.92	Pass
140	5700	18.75	20.10	177.319	22.49	22.92	Pass
*144 (U-NII-2C)	5720	17.30	18.58	125.814	21.00	21.69	Pass
*144 (U-NII-3)	5720	11.46	12.54	31.943	15.04	29.27	Pass
149	5745	23.74	24.68	530.357	27.25	29.27	Pass
157	5785	23.96	24.52	532.025	27.26	29.27	Pass
165	5825	22.98	23.88	442.953	26.46	29.27	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.48-6) = 29.52 dBm.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.33-6)].
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.08-6)].
6. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.73-6) = 29.27 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				
38	5190	19.71	19.90	191.264	22.82	29.52	Pass
46	5230	23.26	22.97	409.989	26.13	29.52	Pass
54	5270	21.00	20.11	228.458	23.59	23.67	Pass
62	5310	20.00	18.72	174.473	22.42	23.67	Pass
102	5510	19.04	20.48	191.854	22.83	22.92	Pass
110	5550	19.60	19.73	185.173	22.68	22.92	Pass
134	5670	19.37	20.05	187.655	22.73	22.92	Pass
*142 (U-NII-2C)	5710	18.50	19.55	160.952	22.07	22.92	Pass
*142 (U-NII-3)	5710	6.99	8.05	11.383	10.56	29.27	Pass
151	5755	24.37	24.18	535.345	27.29	29.27	Pass
159	5795	25.23	25.38	678.57	28.32	29.27	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.48-6) = 29.52 dBm.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.33-6)].
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.08-6)].
6. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.73-6) = 29.27 dBm.

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	18.55	18.60	144.058	21.59	29.52	Pass
58	5290	19.53	18.41	159.085	22.02	23.67	Pass
106	5530	19.61	19.62	183.033	22.63	22.92	Pass
122	5610	19.74	19.91	192.138	22.84	22.92	Pass
*138 (U-NII-2C)	5690	19.22	19.52	173.097	22.38	22.92	Pass
*138 (U-NII-3)	5690	3.89	4.58	5.32	7.26	29.27	Pass
155	5775	21.20	20.55	245.327	23.90	29.27	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.48-6) = 29.52 dBm.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.33-6)].
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.08-6)].
6. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.73-6) = 29.27 dBm.

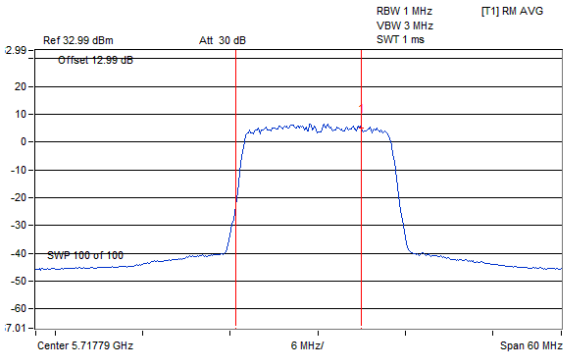
802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	13.81	13.36	45.721	16.60	29.52	Pass
*50 (U-NII-2A)	5250	14.17	13.78	50	16.99	23.67	Pass
114	5570	18.91	18.72	152.277	21.83	22.92	Pass

Notes:

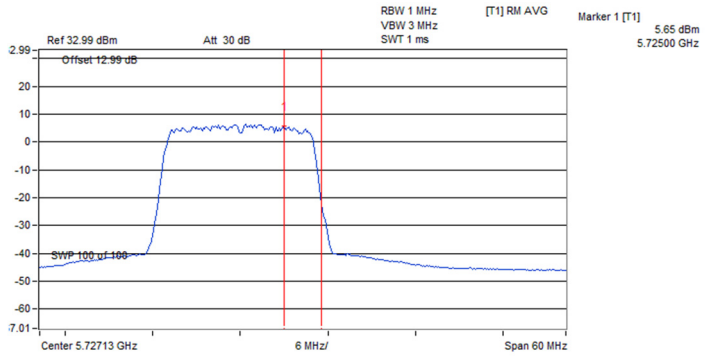
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.48-6) = 29.52 dBm.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.33-6)].
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.08-6)].

Spectrum Plot for channel straddling



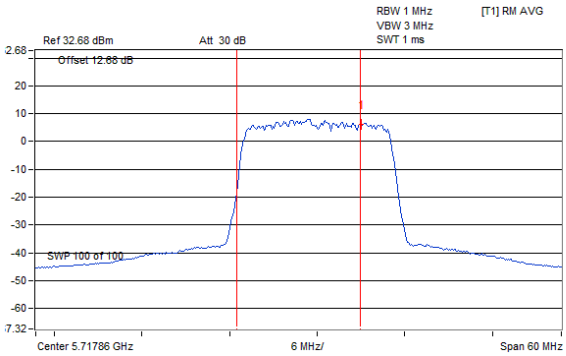
TX Channel Bandwidth 14.41 MHz Power 17.42 dBm

802.11a / Chain 0 : CH 144 (U-NII-2C)



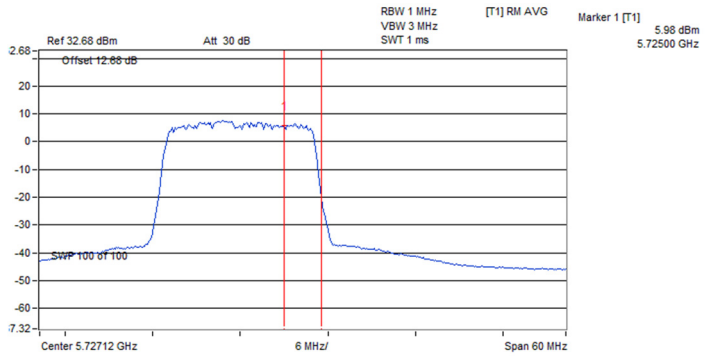
TX Channel Bandwidth 4.27 MHz Power 10.54 dBm

802.11a / Chain 0 : CH 144 (U-NII-3)



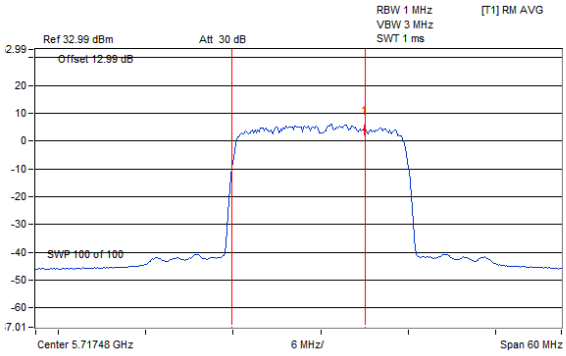
TX Channel Bandwidth 14.27 MHz Power 18.49 dBm

802.11a / Chain 1 : CH 144 (U-NII-2C)



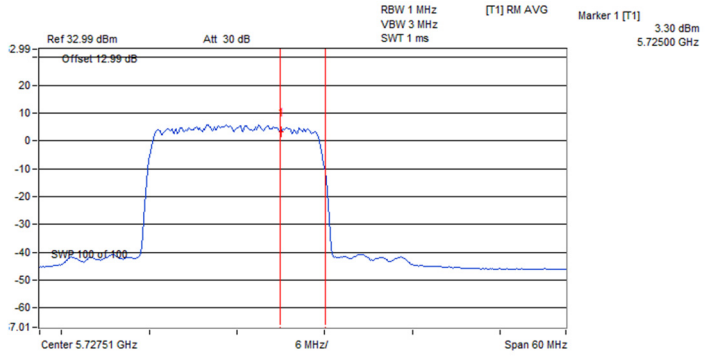
TX Channel Bandwidth 4.23 MHz Power 11.86 dBm

802.11a / Chain 1 : CH 144 (U-NII-3)



TX Channel Bandwidth 15.04 MHz Power 17.3 dBm

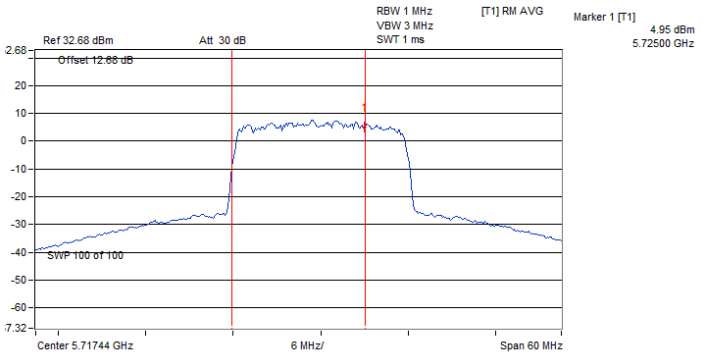
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



TX Channel Bandwidth 5.03 MHz Power 11.46 dBm

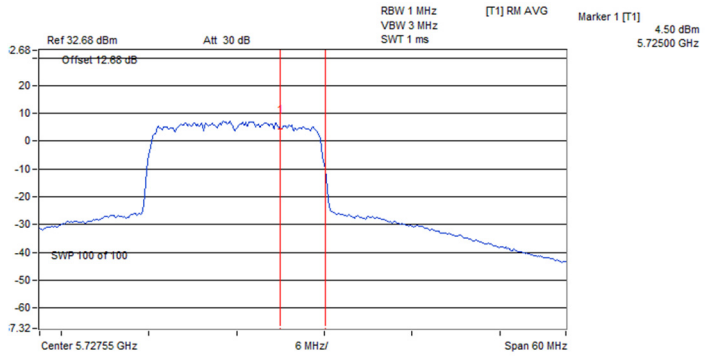
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



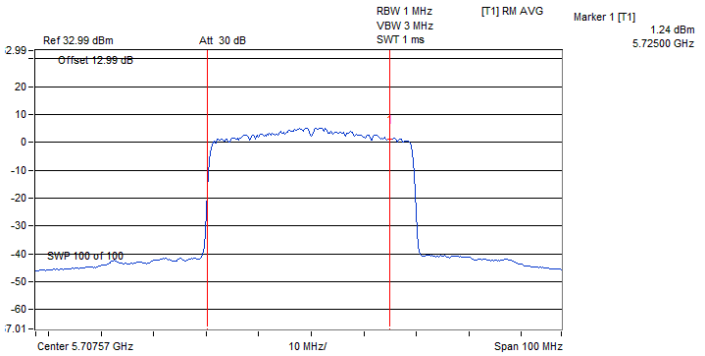
TX Channel Bandwidth 15.11 MHz Power 18.58 dBm

802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



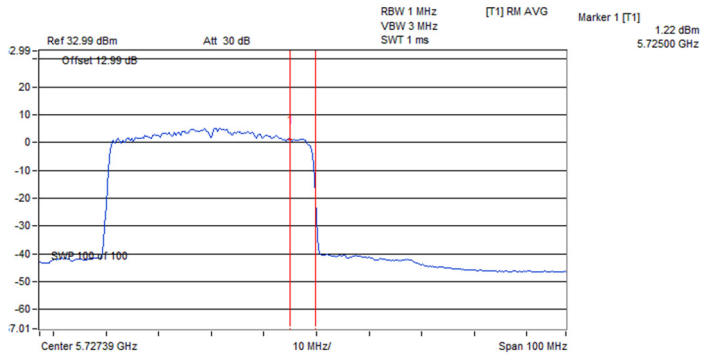
TX Channel Bandwidth 5.09 MHz Power 12.54 dBm

802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



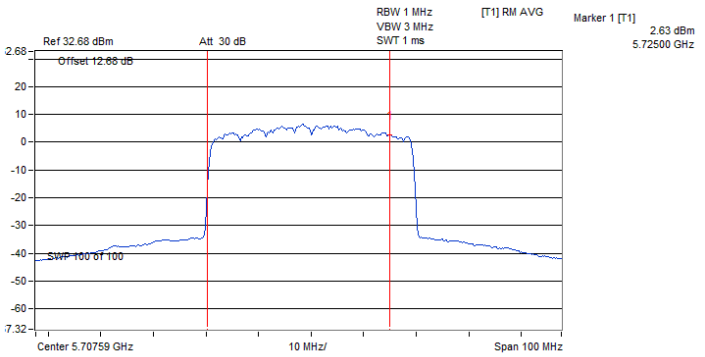
TX Channel Bandwidth 34.86 MHz Power 19.44 dBm

802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



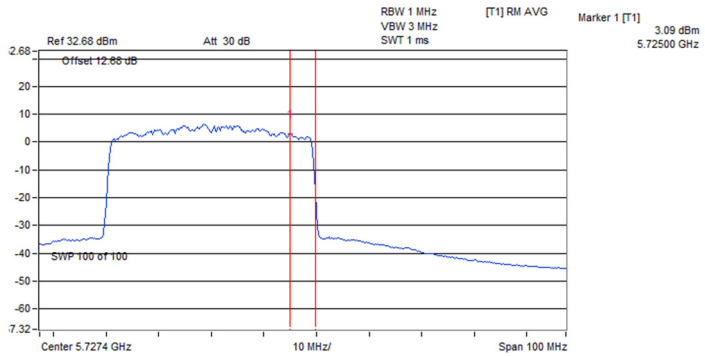
TX Channel Bandwidth 4.79 MHz Power 8.04 dBm

802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



TX Channel Bandwidth 34.81 MHz Power 20.64 dBm

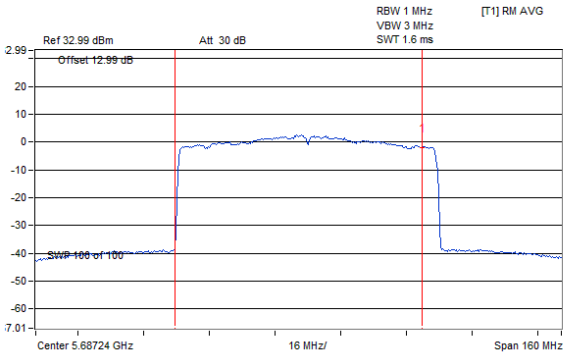
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)



TX Channel Bandwidth 4.8 MHz Power 9.13 dBm

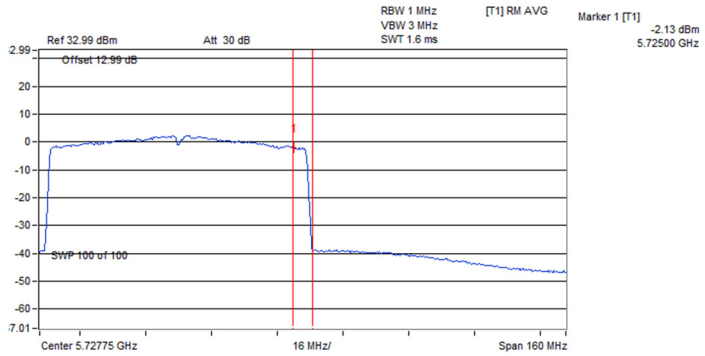
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



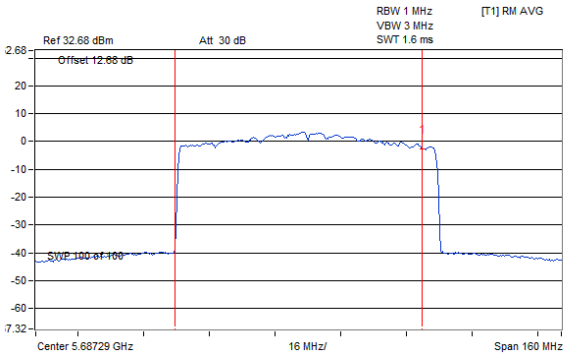
TX Channel Bandwidth 75.51 MHz Power 20.14 dBm

802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



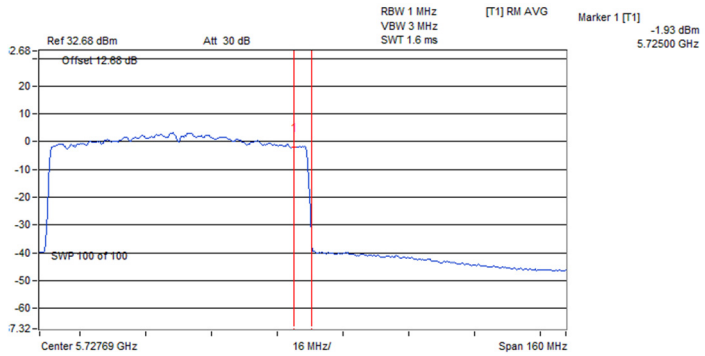
TX Channel Bandwidth 5.5 MHz Power 4.91 dBm

802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



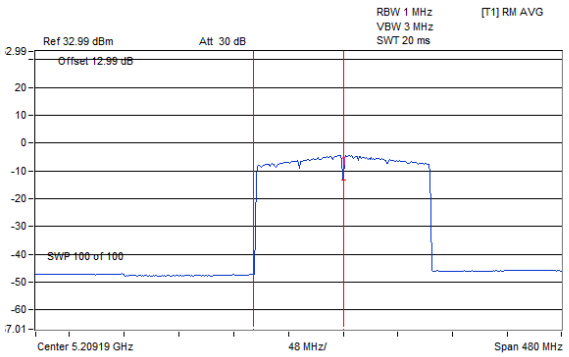
TX Channel Bandwidth 75.43 MHz Power 20.62 dBm

802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



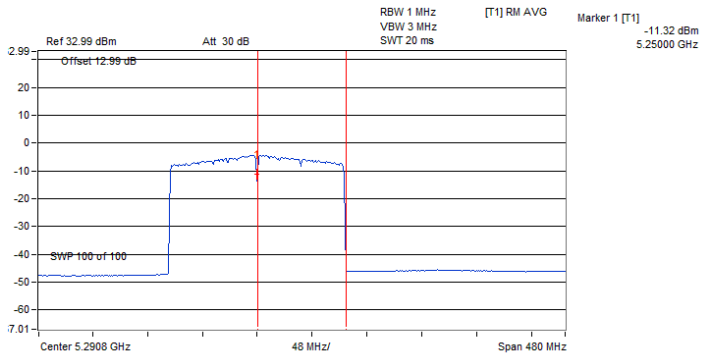
TX Channel Bandwidth 5.38 MHz Power 5.54 dBm

802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)



TX Channel Bandwidth 81.62 MHz Power 13.81 dBm

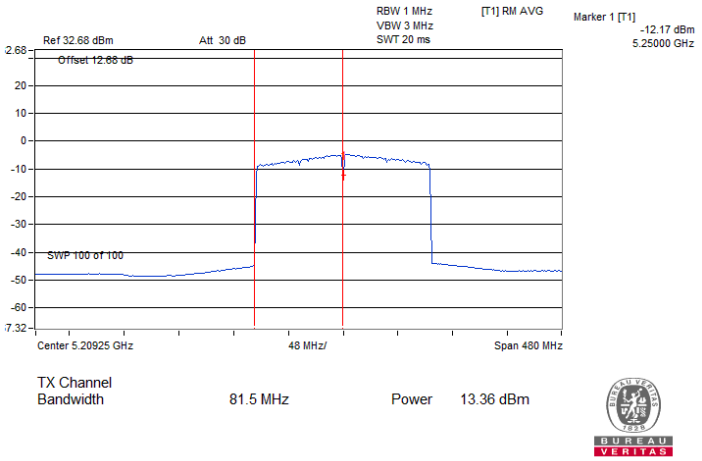
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



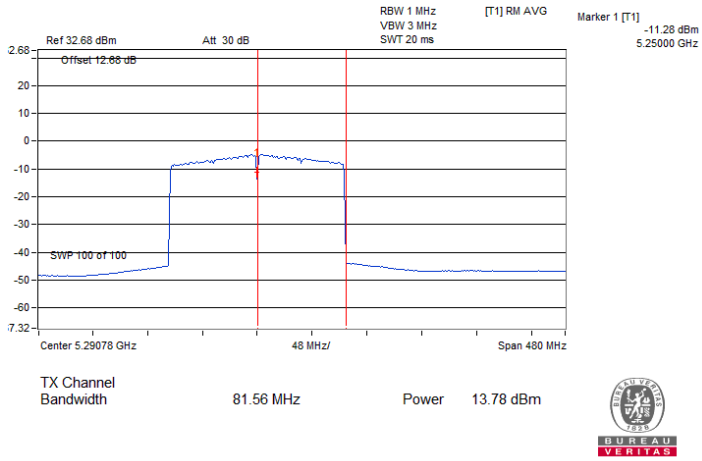
TX Channel Bandwidth 81.6 MHz Power 14.17 dBm

802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	8.90	7.79	11.39	16.52	Pass
40	5200	12.04	11.73	14.90	16.52	Pass
48	5240	13.18	10.91	15.20	16.52	Pass
52	5260	7.80	6.49	10.20	10.67	Pass
60	5300	7.91	6.50	10.27	10.67	Pass
64	5320	7.99	6.54	10.34	10.67	Pass
100	5500	6.48	6.94	9.73	9.92	Pass
116	5580	6.61	6.79	9.71	9.92	Pass
140	5700	5.99	7.13	9.61	9.92	Pass
144 (U-NII-2C)	5720	6.24	7.20	9.76	9.92	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.48-6) = 16.52 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.33-6) = 10.67 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.08-6) = 9.92 dBm/MHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.39	7.42	10.42	16.52	Pass
40	5200	10.84	10.58	13.72	16.52	Pass
48	5240	13.48	12.37	15.97	16.52	Pass
52	5260	7.95	6.75	10.40	10.67	Pass
60	5300	7.77	7.09	10.45	10.67	Pass
64	5320	7.97	6.57	10.34	10.67	Pass
100	5500	6.50	6.72	9.62	9.92	Pass
116	5580	6.40	6.84	9.64	9.92	Pass
140	5700	6.00	7.53	9.84	9.92	Pass
144 (U-NII-2C)	5720	5.90	7.09	9.55	9.92	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.48-6) = 16.52 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.33-6) = 10.67 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.08-6) = 9.92 dBm/MHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	4.64	4.99	7.83	16.52	Pass
46	5230	7.99	8.22	11.12	16.52	Pass
54	5270	5.87	5.18	8.55	10.67	Pass
62	5310	5.14	3.86	7.56	10.67	Pass
102	5510	5.12	6.62	8.94	9.92	Pass
110	5550	5.51	5.96	8.75	9.92	Pass
134	5670	5.31	6.38	8.89	9.92	Pass
142 (U-NII-2C)	5710	4.95	6.51	8.81	9.92	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.48-6) = 16.52 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.33-6) = 10.67 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.08-6) = 9.92 dBm/MHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	0.54	0.77	3.67	16.52	Pass
58	5290	1.57	0.66	4.15	10.67	Pass
106	5530	2.88	2.89	5.90	9.92	Pass
122	5610	2.77	2.98	5.89	9.92	Pass
138 (U-NII-2C)	5690	2.35	3.32	5.87	9.92	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.48-6) = 16.52 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.33-6) = 10.67 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.08-6) = 9.92 dBm/MHz.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-4.48	-4.96	-1.70	16.52	Pass
50 (U-NII-2A)	5250	-4.57	-4.83	-1.69	10.67	Pass
114	5570	-2.59	-2.72	0.36	9.92	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.48 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.48-6) = 16.52 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.33 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.33-6) = 10.67 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.08 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.08-6) = 9.92 dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-3.41	-2.47	0.1	2.32	29.27	Pass
149	5745	2.05	3.24	5.7	7.92	29.27	Pass
157	5785	2.24	2.78	5.53	7.75	29.27	Pass
165	5825	2.39	3.18	5.81	8.03	29.27	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. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.73-6) = 29.27 dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-4.39	-3.36	-0.83	1.39	29.27	Pass
149	5745	2.29	3.18	5.77	7.99	29.27	Pass
157	5785	2.48	3.09	5.81	8.03	29.27	Pass
165	5825	1.64	2.48	5.09	7.31	29.27	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. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.73-6) = 29.27 dBm/500kHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-7.66	-5.94	-3.71	-1.49	29.27	Pass
151	5755	0.85	0.73	3.8	6.02	29.27	Pass
159	5795	1.79	1.91	4.86	7.08	29.27	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. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.73-6) = 29.27 dBm/500kHz.

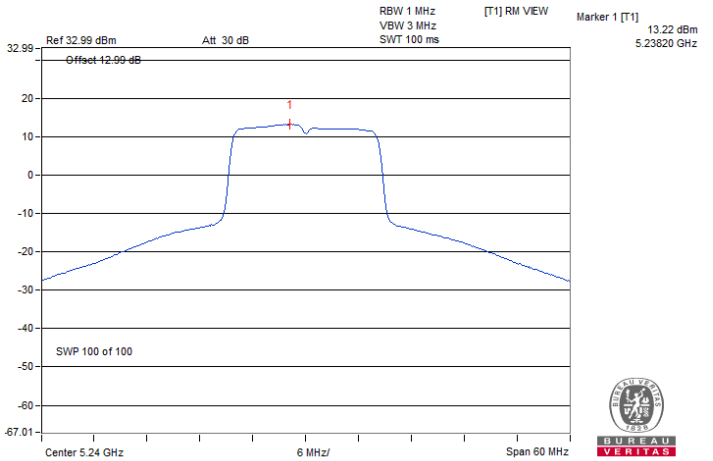
802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-10.86	-10.61	-7.72	-5.50	29.27	Pass
155	5775	-3.00	-3.03	0	2.22	29.27	Pass

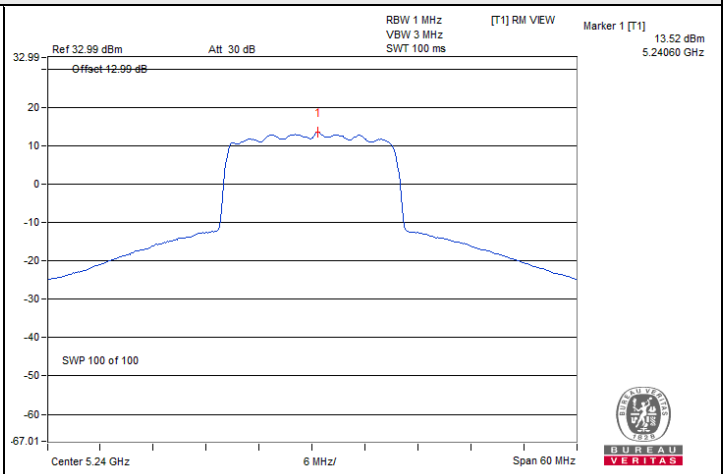
Notes:

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. For U-NII-3, the directional gain is 6.73 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.73-6) = 29.27 dBm/500kHz.

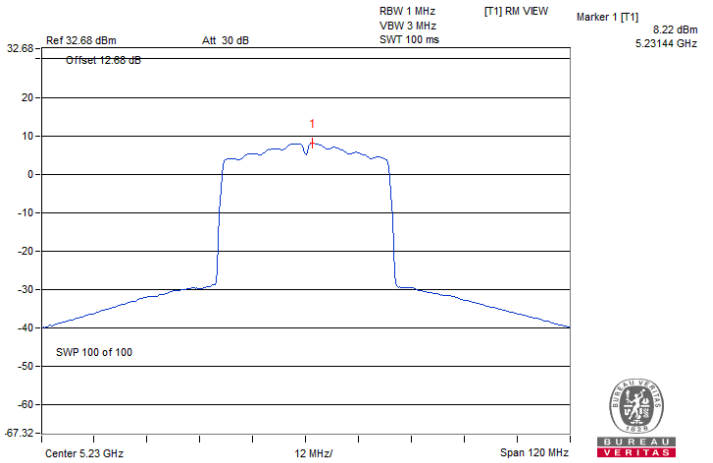
Spectrum Plot of Maximum Value



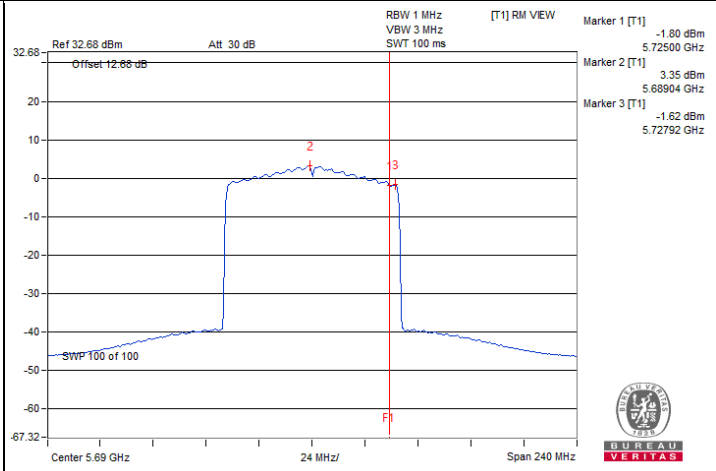
802.11a / Chain 0 : CH 48



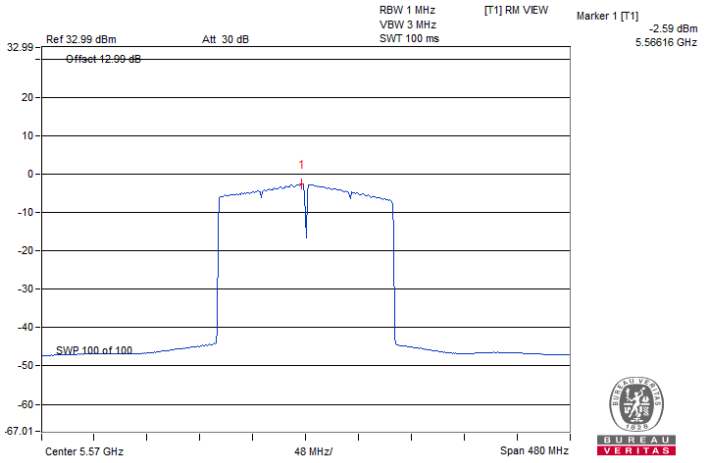
802.11be (EHT20) / Chain 0 : CH 48



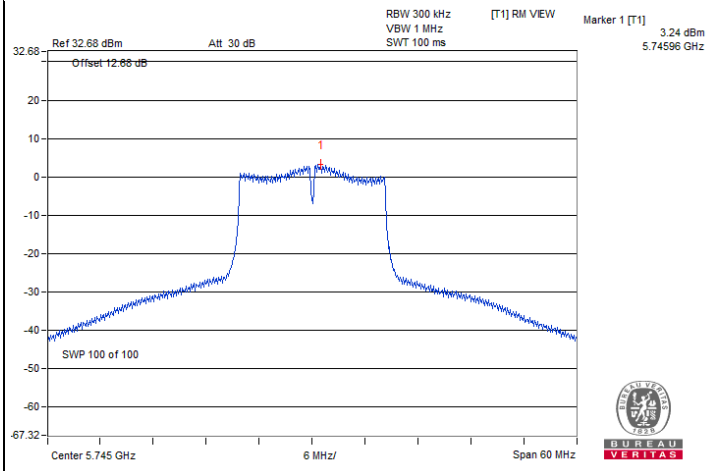
802.11be (EHT40) / Chain 1 : CH 46



802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)

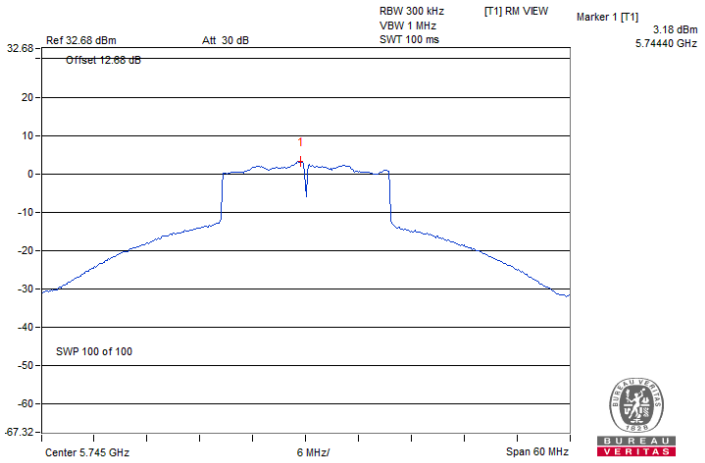


802.11be (EHT160) / Chain 0 : CH 114

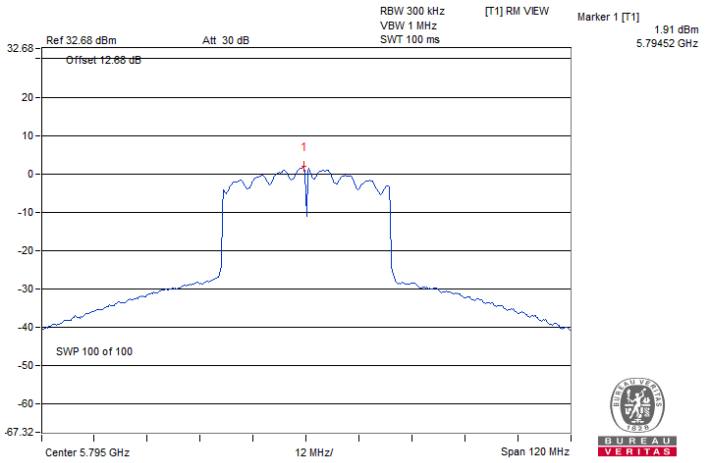


802.11a / Chain 1 : CH 149

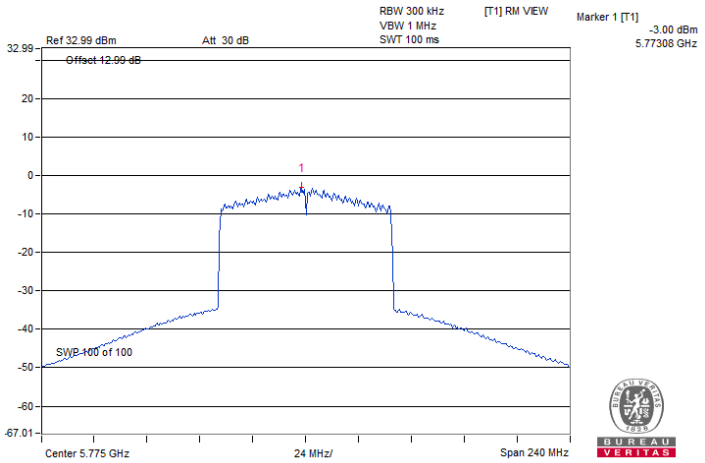
Spectrum Plot of Maximum Value



802.11be (EHT20) / Chain 1 : CH 149



802.11be (EHT40) / Chain 1 : CH 159



802.11be (EHT80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.14	3.16	0.5	Pass
149	5745	16.11	16.35	0.5	Pass
157	5785	15.97	16.35	0.5	Pass
165	5825	16.34	16.35	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.32	4.22	0.5	Pass
149	5745	18.76	18.48	0.5	Pass
157	5785	18.75	17.86	0.5	Pass
165	5825	18.91	17.59	0.5	Pass

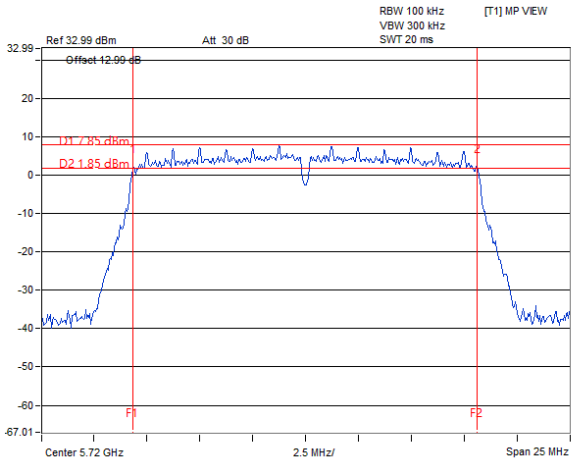
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.85	1.34	0.5	Pass
151	5755	36.17	35.15	0.5	Pass
159	5795	35.19	35.24	0.5	Pass

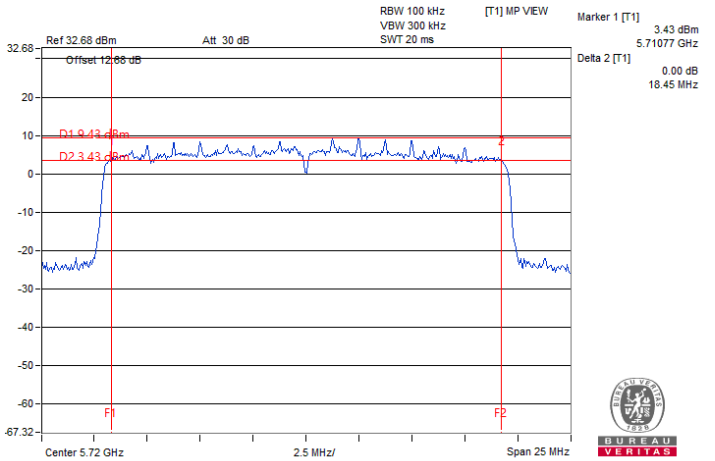
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.40	2.61	0.5	Pass
155	5775	74.25	74.04	0.5	Pass

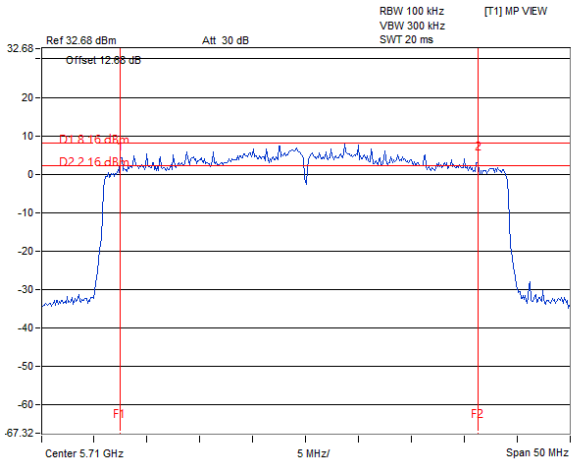
Spectrum Plot of Minimum Value



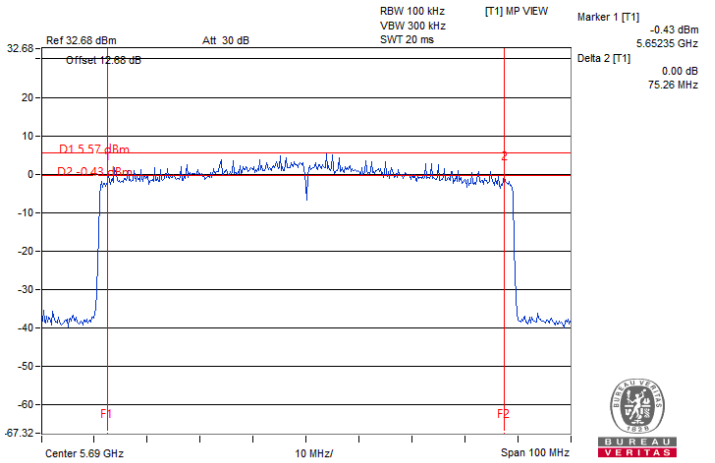
802.11a / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



802.11be (EHT40) / Chain 1 : CH 142 (U-NII-3)



802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)

Note: For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.44
40	5200	16.68	16.56
48	5240	16.98	16.68
52	5260	16.44	16.44
60	5300	16.44	16.44
64	5320	16.44	16.44
100	5500	16.44	16.32
116	5580	16.44	16.44
140	5700	16.44	16.44
144 (U-NII-2C)	5720	13.28	13.28
144 (U-NII-3)	5720	3.16	3.16
149	5745	16.56	16.56
157	5785	16.56	16.44
165	5825	16.68	16.56

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.84
40	5200	18.84	18.96
48	5240	19.08	18.96
52	5260	18.84	18.84
60	5300	18.84	18.84
64	5320	18.84	18.84
100	5500	18.84	18.84
116	5580	18.84	18.84
140	5700	18.84	18.84
144 (U-NII-2C)	5720	14.48	14.48
144 (U-NII-3)	5720	4.36	4.36
149	5745	18.96	32.80
157	5785	18.84	29.04
165	5825	18.96	27.24

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.68	37.68
54	5270	37.68	37.68
62	5310	37.68	37.68
102	5510	37.68	37.68
110	5550	37.68	37.68
134	5670	37.68	37.44
142 (U-NII-2C)	5710	33.96	33.72
142 (U-NII-3)	5710	3.72	3.72
151	5755	37.44	37.68
159	5795	37.92	37.92

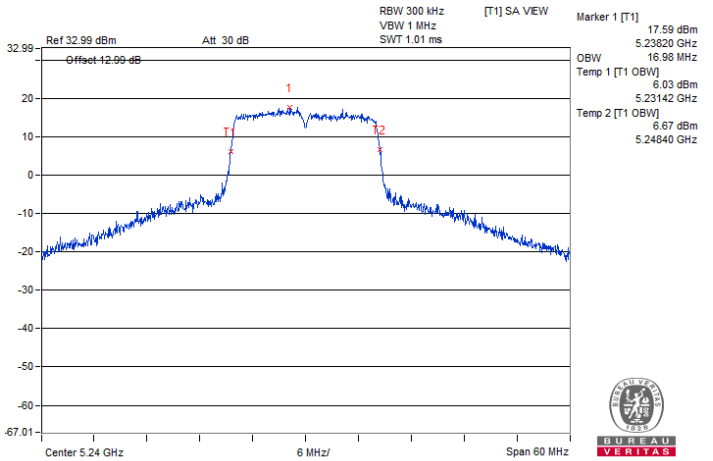
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.80	76.80
58	5290	76.80	76.80
106	5530	77.28	76.80
122	5610	77.28	76.32
138 (U-NII-2C)	5690	73.40	73.88
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.28	76.80

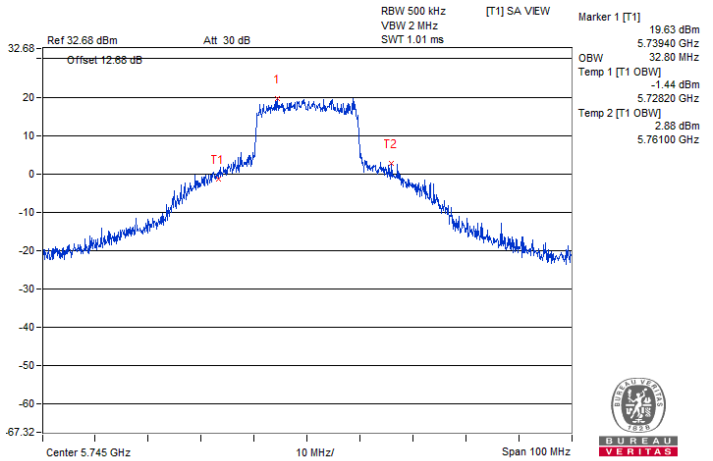
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	78.72	77.76
50 (U-NII-2A)	5250	77.76	77.76
114	5570	156.48	156.48

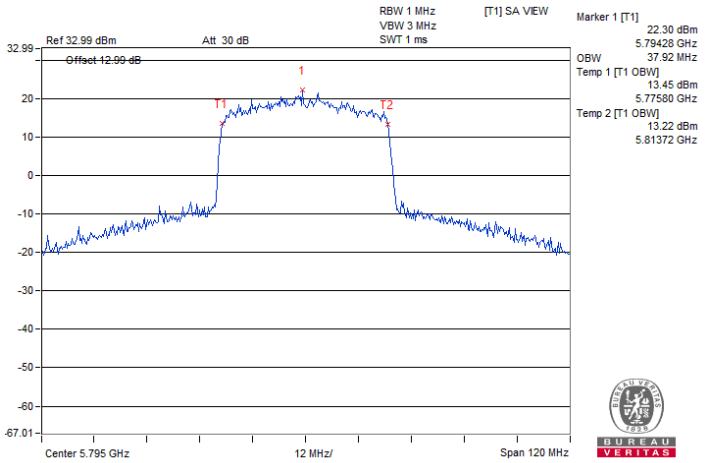
Spectrum Plot of Maximum Value



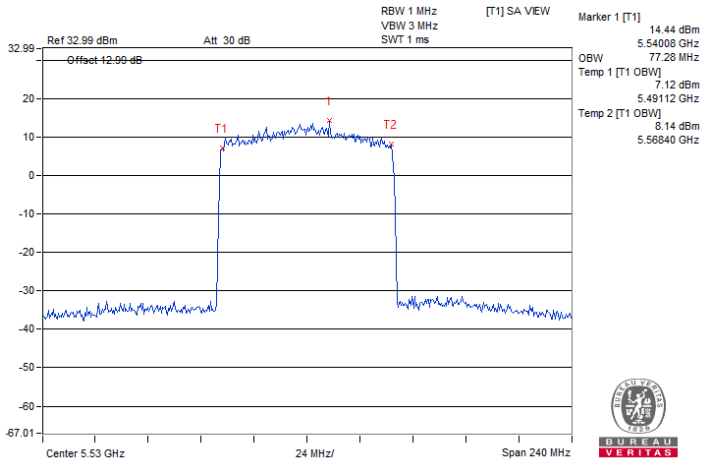
802.11a / Chain 0 : CH 48



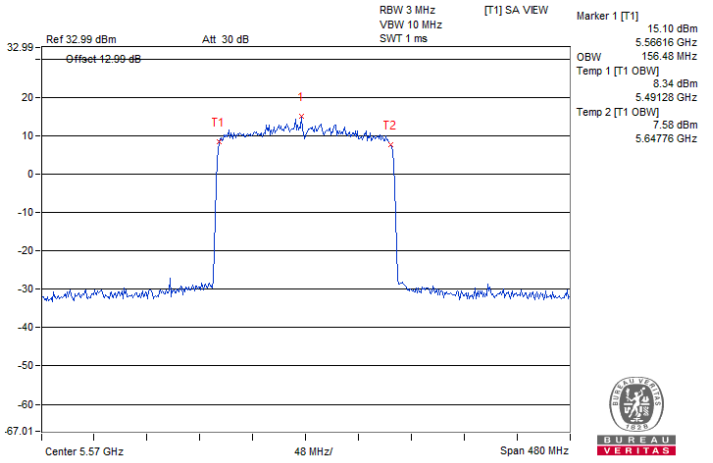
802.11be (EHT20) / Chain 1 : CH 149



802.11be (EHT40) / Chain 0 : CH 159

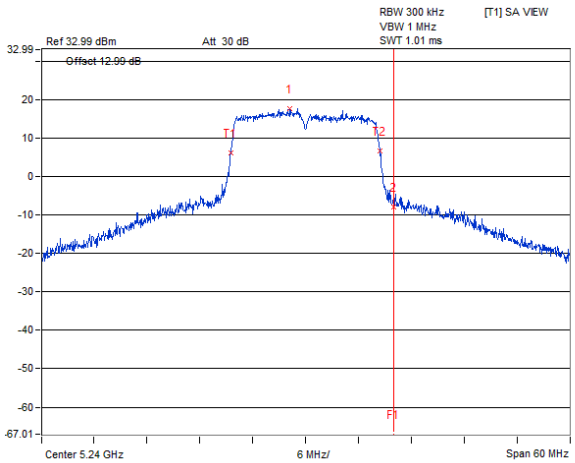


802.11be (EHT80) / Chain 0 : CH 106

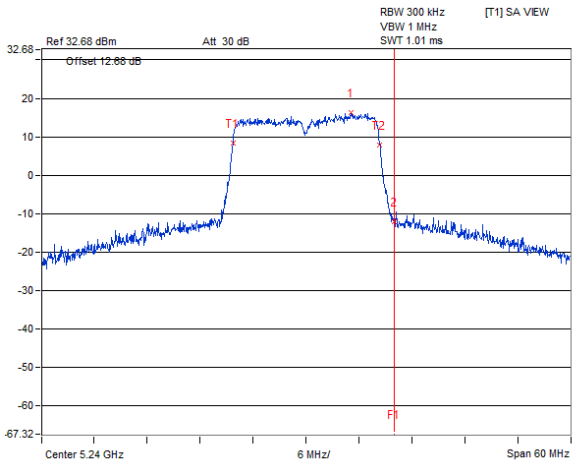


802.11be (EHT160) / Chain 0 : CH 114

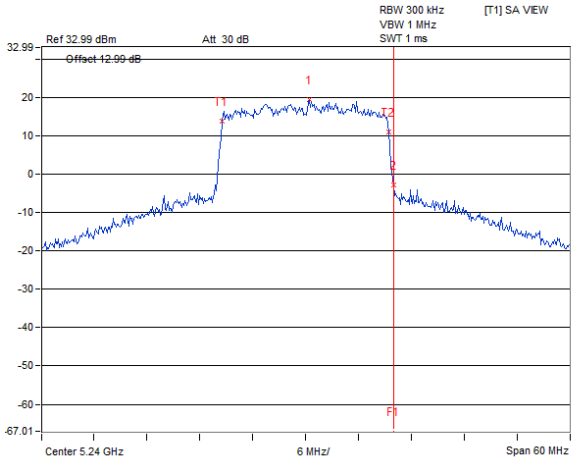
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



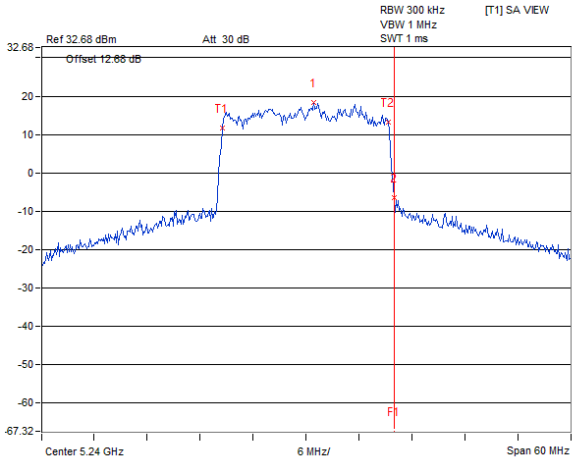
802.11a / Chain 0 : CH 48



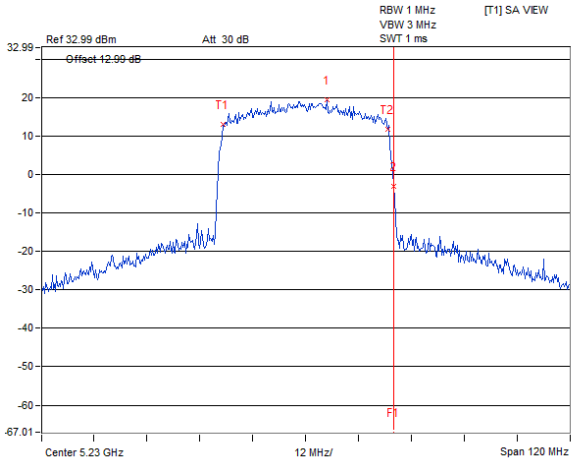
802.11a / Chain 1 : CH 48



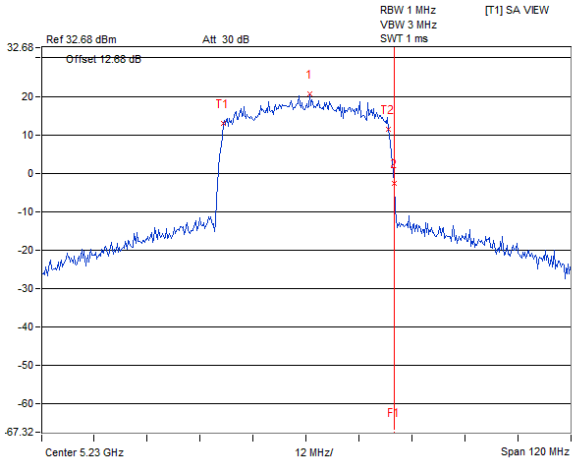
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48

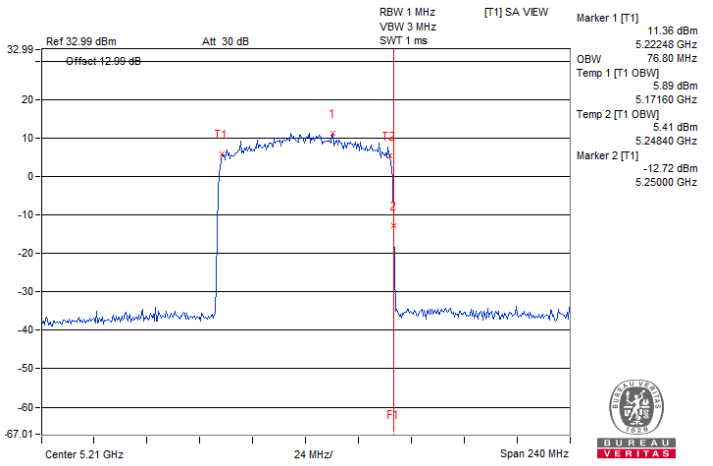


802.11be (EHT40) / Chain 0 : CH 46

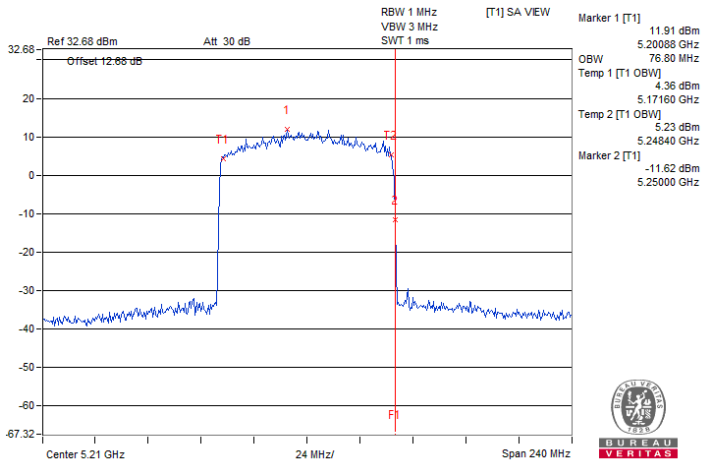


802.11be (EHT40) / Chain 1 : CH 46

Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)

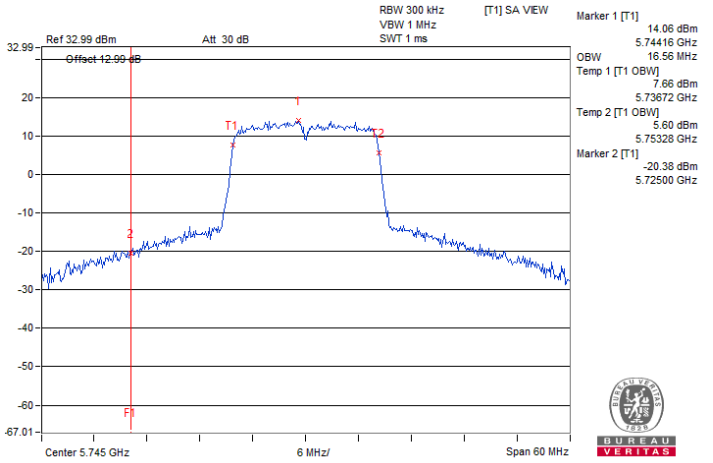


802.11be (EHT80) / Chain 0 : CH 42

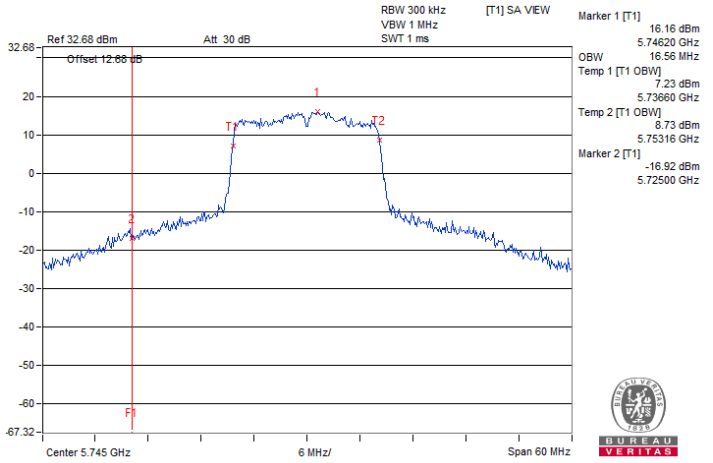


802.11be (EHT80) / Chain 1 : CH 42

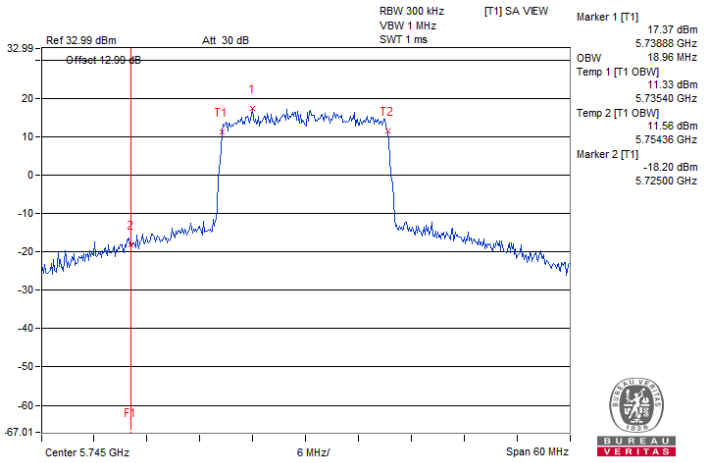
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



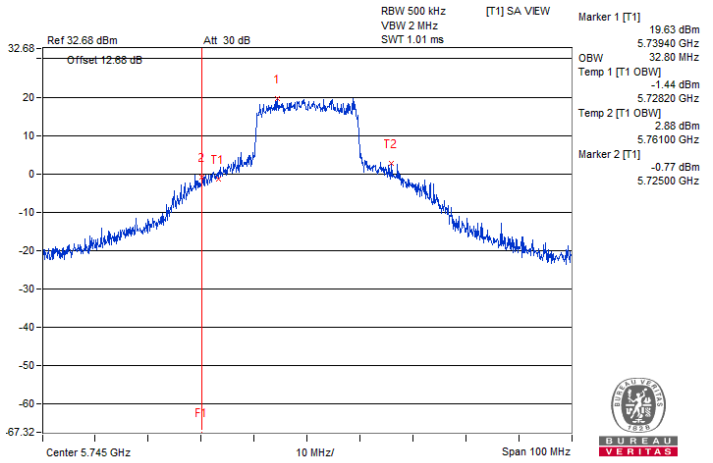
802.11a / Chain 0 : CH 149



802.11a / Chain 1 : CH 149



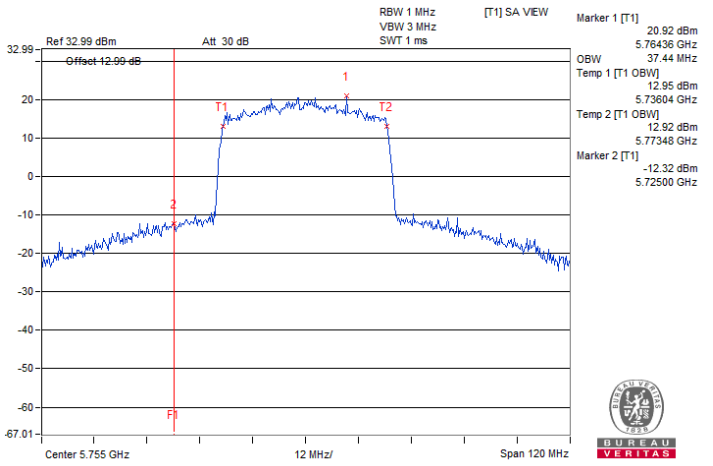
802.11be (EHT20) / Chain 0 : CH 149



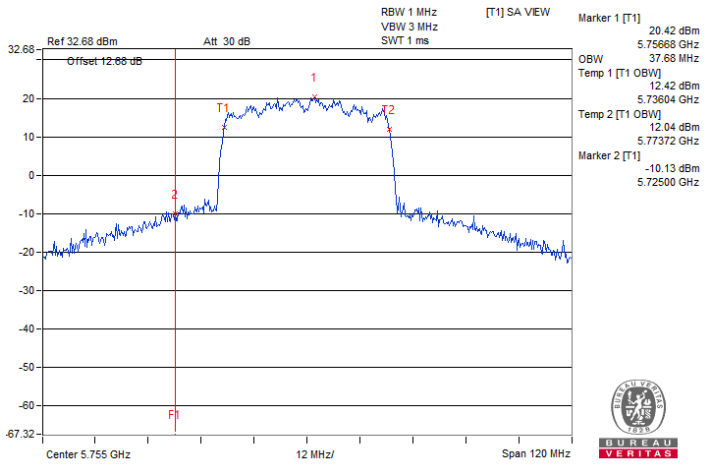
802.11be (EHT20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

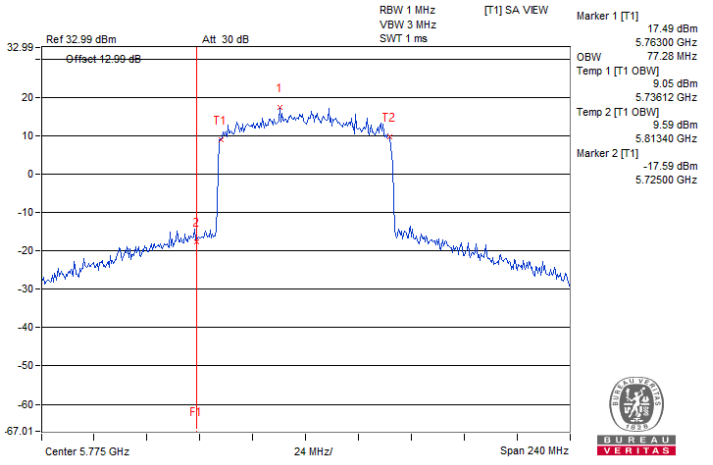
(DFS is required, if 99% OCP straddle into U-NII-2C)



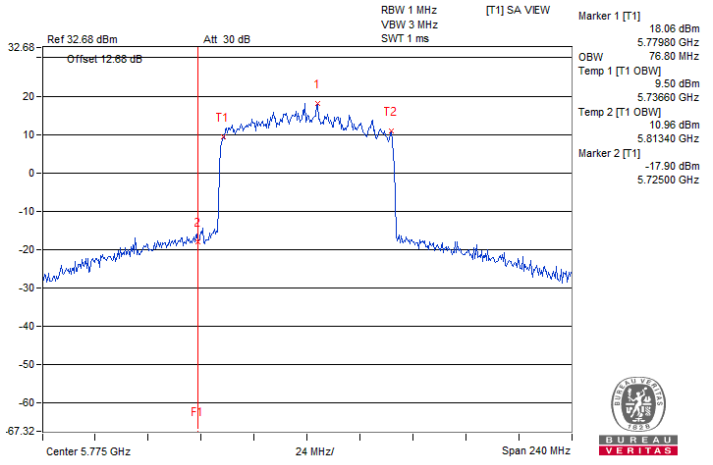
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155

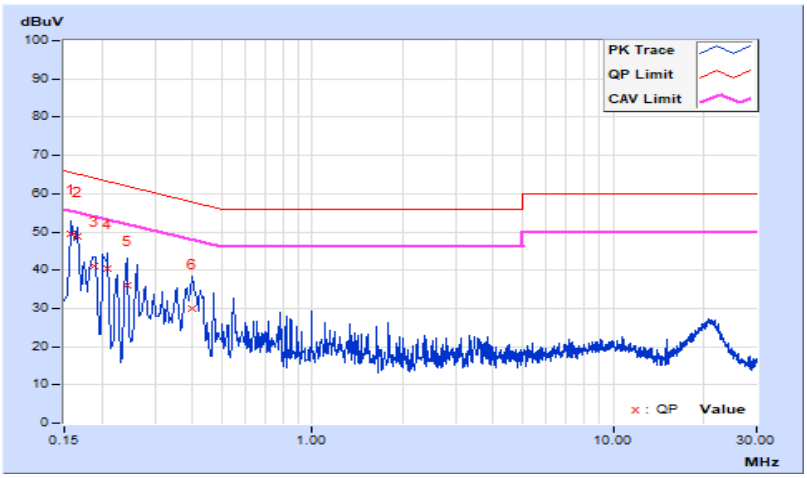
7.6 AC Power Conducted Emissions

RF Mode	802.11be (EHT20)	**Channel**	CH 48：5240 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 75 % RH
Tested By	Charles Hsiao		

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	0.15687	10.15	39.37	23.56	49.52	33.71	65.63	55.63	-16.11	-21.92
2	0.16535	10.16	38.53	22.43	48.69	32.59	65.19	55.19	-16.50	-22.60
3	0.18911	10.17	31.07	17.13	41.24	27.30	64.08	54.08	-22.84	-26.78
4	0.20740	10.17	30.15	13.29	40.32	23.46	63.31	53.31	-22.99	-29.85
5	0.24165	10.17	25.75	7.88	35.92	18.05	62.04	52.04	-26.12	-33.99
6	0.39655	10.18	19.70	10.77	29.88	20.95	57.93	47.93	-28.05	-26.98

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

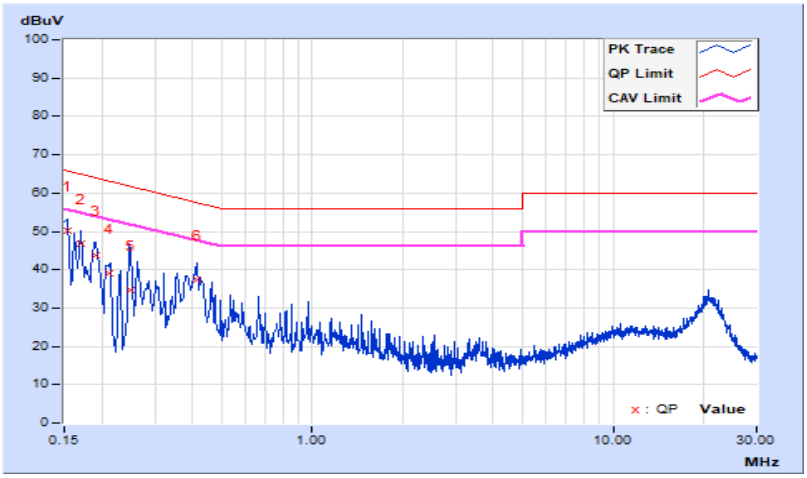


RF Mode	802.11be (EHT20)	Channel	CH 48：5240 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Charles Hsiao		

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	**0.15400**	**10.20**	**40.13**	**26.39**	**50.33**	**36.59**	**65.78**	**55.78**	**-15.45**	**-19.19**
2	0.17000	10.21	36.56	22.94	46.77	33.15	64.96	54.96	-18.19	-21.81
3	0.19000	10.22	33.58	17.76	43.80	27.98	64.04	54.04	-20.24	-26.06
4	0.21071	10.22	28.89	12.69	39.11	22.91	63.18	53.18	-24.07	-30.27
5	0.25000	10.22	24.41	10.41	34.63	20.63	61.76	51.76	-27.13	-31.13
6	0.41253	10.23	27.22	21.43	37.45	31.66	57.60	47.60	-20.15	-15.94

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



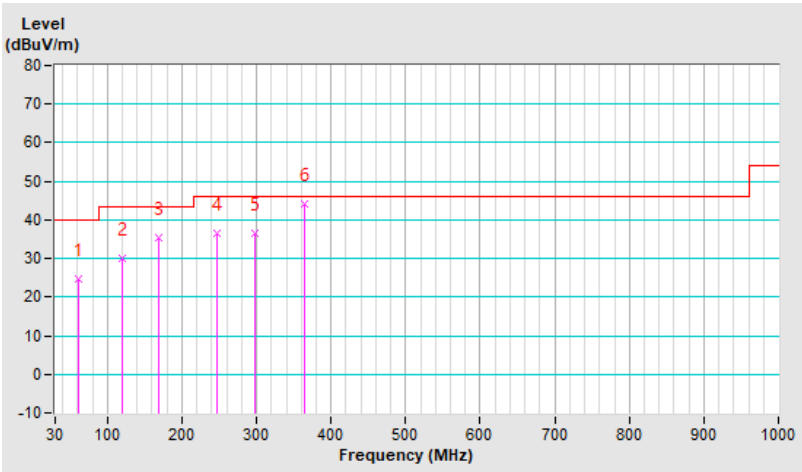
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT20)	**Channel**	CH 48：5240 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 68 % RH
Tested By	Wade Huang		

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	61.04	24.8 QP	40.0	-15.2	1.51 H	217	38.9	-14.1
2	120.21	30.2 QP	43.5	-13.3	1.84 H	293	45.5	-15.3
3	168.71	35.4 QP	43.5	-8.1	2.22 H	104	49.0	-13.6
4	247.28	36.5 QP	46.0	-9.5	1.94 H	155	51.2	-14.7
5	297.72	36.6 QP	46.0	-9.4	2.36 H	164	49.5	-12.9
6	**364.65**	**44.1 QP**	**46.0**	**-1.9**	**1.59 H**	**221**	**55.4**	**-11.3**

Remarks:

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

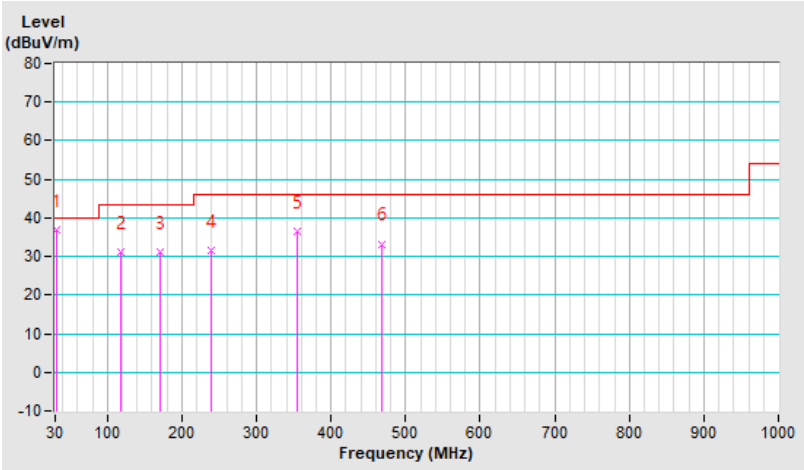


RF Mode	802.11be (EHT20)	Channel	CH 48：5240 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.91	37.0 QP	40.0	-3.0	1.36 V	229	51.4	-14.4
2	118.27	31.2 QP	43.5	-12.3	1.06 V	221	46.7	-15.5
3	170.65	31.2 QP	43.5	-12.3	2.30 V	169	44.9	-13.7
4	238.55	31.7 QP	46.0	-14.3	1.84 V	172	46.9	-15.2
5	353.98	36.4 QP	46.0	-9.6	2.51 V	110	48.1	-11.7
6	468.44	33.3 QP	46.0	-12.7	1.94 V	36	41.8	-8.5

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 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.



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	57.7 PK	74.0	-16.3	1.50 H	99	49.6	8.1
2	5150.00	46.9 AV	54.0	-7.1	1.50 H	99	38.8	8.1
3	*5180.00	105.6 PK			1.50 H	99	67.0	38.6
4	*5180.00	98.7 AV			1.50 H	99	60.1	38.6
5	#10360.00	57.0 PK	68.2	-11.2	1.51 H	260	41.7	15.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	65.0 PK	74.0	-9.0	1.50 V	145	56.9	8.1
2	5150.00	52.1 AV	54.0	-1.9	1.50 V	145	44.0	8.1
3	*5180.00	117.0 PK			1.50 V	145	78.4	38.6
4	*5180.00	109.2 AV			1.50 V	145	70.6	38.6
5	#10360.00	58.3 PK	68.2	-9.9	1.50 V	155	43.0	15.3

Remarks:

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

RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	57.7 PK	74.0	-16.3	1.50 H	99	49.6	8.1
2	5150.00	47.0 AV	54.0	-7.0	1.50 H	99	38.9	8.1
3	*5200.00	108.2 PK			1.50 H	99	69.7	38.5
4	*5200.00	100.2 AV			1.50 H	99	61.7	38.5
5	#10400.00	59.4 PK	68.2	-8.8	1.81 H	260	44.3	15.1
6	15600.00	61.4 PK	74.0	-12.6	1.50 H	115	41.9	19.5
7	15600.00	50.9 AV	54.0	-3.1	1.50 H	115	31.4	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	1.50 V	145	56.5	8.1
2	5150.00	52.9 AV	54.0	-1.1	1.50 V	145	44.8	8.1
3	*5200.00	119.2 PK			1.50 V	145	80.7	38.5
4	*5200.00	111.9 AV			1.50 V	145	73.4	38.5
5	#10400.00	62.1 PK	68.2	-6.1	1.50 V	163	47.0	15.1
6	15600.00	63.0 PK	74.0	-11.0	1.49 V	270	43.5	19.5
7	15600.00	52.1 AV	54.0	-1.9	1.49 V	270	32.6	19.5

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5240.00	109.2 PK			1.50 H	99	70.8	38.4
2	*5240.00	101.4 AV			1.50 H	99	63.0	38.4
3	5350.00	57.2 PK	74.0	-16.8	1.50 H	99	49.4	7.8
4	5350.00	48.0 AV	54.0	-6.0	1.50 H	99	40.2	7.8
5	#10480.00	57.0 PK	68.2	-11.2	1.80 H	261	42.1	14.9
6	15720.00	62.5 PK	74.0	-11.5	1.53 H	132	42.0	20.5
7	15720.00	51.1 AV	54.0	-2.9	1.53 H	132	30.6	20.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	120.0 PK			1.50 V	145	81.6	38.4
2	*5240.00	112.0 AV			1.50 V	145	73.6	38.4
3	5350.00	57.6 PK	74.0	-16.4	1.50 V	145	49.8	7.8
4	5350.00	48.6 AV	54.0	-5.4	1.50 V	145	40.8	7.8
5	#10480.00	59.3 PK	68.2	-8.9	1.39 V	209	44.4	14.9
6	15720.00	62.9 PK	74.0	-11.1	1.50 V	245	42.4	20.5
7	15720.00	52.7 AV	54.0	-1.3	1.50 V	245	32.2	20.5

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	58.0 PK	74.0	-16.0	1.54 H	101	49.9	8.1
2	5150.00	47.9 AV	54.0	-6.1	1.54 H	101	39.8	8.1
3	*5180.00	106.4 PK			1.54 H	101	67.8	38.6
4	*5180.00	98.1 AV			1.54 H	101	59.5	38.6
5	#10360.00	57.3 PK	68.2	-10.9	1.77 H	262	42.0	15.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	66.0 PK	74.0	-8.0	1.84 V	146	57.9	8.1
2	5150.00	52.1 AV	54.0	-1.9	1.84 V	146	44.0	8.1
3	*5180.00	117.9 PK			1.84 V	146	79.3	38.6
4	*5180.00	109.8 AV			1.84 V	146	71.2	38.6
5	#10360.00	59.0 PK	68.2	-9.2	2.11 V	155	43.7	15.3

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Wade Huang		

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	5150.00	58.4 PK	74.0	-15.6	1.54 H	102	50.3	8.1
2	5150.00	47.4 AV	54.0	-6.6	1.54 H	102	39.3	8.1
3	*5200.00	111.3 PK			1.54 H	102	72.8	38.5
4	*5200.00	101.7 AV			1.54 H	102	63.2	38.5
5	#10400.00	57.0 PK	68.2	-11.2	2.03 H	262	41.9	15.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	60.9 PK	74.0	-13.1	1.90 V	145	52.8	8.1
2	5150.00	52.9 AV	54.0	-1.1	1.90 V	145	44.8	8.1
3	*5200.00	121.8 PK			1.90 V	145	83.3	38.5
4	*5200.00	113.0 AV			1.90 V	145	74.5	38.5
5	#10400.00	60.3 PK	68.2	-7.9	1.50 V	164	45.2	15.1

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5240.00	112.0 PK			1.55 H	323	73.6	38.4
2	*5240.00	102.1 AV			1.55 H	323	63.7	38.4
3	5350.00	57.9 PK	74.0	-16.1	1.55 H	323	50.1	7.8
4	5350.00	46.6 AV	54.0	-7.4	1.55 H	323	38.8	7.8
5	#10480.00	56.9 PK	68.2	-11.3	1.05 H	134	42.0	14.9
6	15720.00	60.9 PK	74.0	-13.1	1.55 H	128	40.4	20.5
7	15720.00	50.7 AV	54.0	-3.3	1.55 H	128	30.2	20.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	122.2 PK			1.54 V	143	83.8	38.4
2	*5240.00	112.3 AV			1.54 V	143	73.9	38.4
3	5350.00	58.6 PK	74.0	-15.4	1.54 V	143	50.8	7.8
4	5350.00	48.9 AV	54.0	-5.1	1.54 V	143	41.1	7.8
5	#10480.00	57.0 PK	68.2	-11.2	1.30 V	163	42.1	14.9
6	15720.00	63.2 PK	74.0	-10.8	1.46 V	269	42.7	20.5
7	15720.00	52.9 AV	54.0	-1.1	1.46 V	269	32.4	20.5

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	5150.00	56.9 PK	74.0	-17.1	1.50 H	101	48.8	8.1
2	5150.00	47.7 AV	54.0	-6.3	1.50 H	101	39.6	8.1
3	*5190.00	104.8 PK			1.50 H	101	66.2	38.6
4	*5190.00	96.0 AV			1.50 H	101	57.4	38.6
5	#10380.00	55.6 PK	68.2	-12.6	1.80 H	260	40.4	15.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.92 V	143	52.2	8.1
2	5150.00	52.6 AV	54.0	-1.4	1.92 V	143	44.5	8.1
3	*5190.00	117.5 PK			1.92 V	143	78.9	38.6
4	*5190.00	107.3 AV			1.92 V	143	68.7	38.6
5	#10380.00	55.9 PK	68.2	-12.3	2.08 V	150	40.7	15.2

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT40)	**Channel**	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	56.9 PK	74.0	-17.1	1.09 H	301	48.8	8.1
2	5150.00	47.2 AV	54.0	-6.8	1.09 H	301	39.1	8.1
3	*5230.00	109.9 PK			1.09 H	301	71.4	38.5
4	*5230.00	99.5 AV			1.09 H	301	61.0	38.5
5	#10460.00	56.4 PK	68.2	-11.8	1.82 H	255	41.5	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	65.2 PK	74.0	-8.8	1.55 V	144	57.1	8.1
2	5150.00	52.5 AV	54.0	-1.5	1.55 V	144	44.4	8.1
3	*5230.00	118.0 PK			1.55 V	144	79.5	38.5
4	*5230.00	108.7 AV			1.55 V	144	70.2	38.5
5	#10460.00	56.8 PK	68.2	-11.4	1.50 V	165	41.9	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT80)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	5150.00	57.4 PK	74.0	-16.6	1.11 H	301	49.3	8.1
2	5150.00	46.9 AV	54.0	-7.1	1.11 H	301	38.8	8.1
3	*5210.00	101.6 PK			1.11 H	301	63.1	38.5
4	*5210.00	92.8 AV			1.11 H	301	54.3	38.5
5	#10420.00	57.3 PK	68.2	-10.9	1.84 H	250	42.3	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.4 PK	74.0	-11.6	1.69 V	145	54.3	8.1
2	5150.00	51.6 AV	54.0	-2.4	1.69 V	145	43.5	8.1
3	*5210.00	110.9 PK			1.69 V	145	72.4	38.5
4	*5210.00	103.1 AV			1.69 V	145	64.6	38.5
5	#10420.00	57.5 PK	68.2	-10.7	1.52 V	166	42.5	15.0

Remarks:

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

RF Mode	802.11a	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	58.0 PK	74.0	-16.0	1.50 H	100	49.9	8.1
2	5150.00	47.7 AV	54.0	-6.3	1.50 H	100	39.6	8.1
3	*5260.00	106.6 PK			1.50 H	100	68.1	38.5
4	*5260.00	98.7 AV			1.50 H	100	60.2	38.5
5	#10520.00	57.0 PK	68.2	-11.2	1.45 H	155	42.2	14.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	58.4 PK	74.0	-15.6	1.50 V	145	50.3	8.1
2	5150.00	48.0 AV	54.0	-6.0	1.50 V	145	39.9	8.1
3	*5260.00	118.5 PK			1.50 V	145	80.0	38.5
4	*5260.00	110.5 AV			1.50 V	145	72.0	38.5
5	#10520.00	57.3 PK	68.2	-10.9	1.51 V	211	42.5	14.8

Remarks:

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

RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5300.00	106.4 PK			1.50 H	100	68.1	38.3
2	*5300.00	98.4 AV			1.50 H	100	60.1	38.3
3	10600.00	56.0 PK	74.0	-18.0	1.51 H	124	41.0	15.0
4	10600.00	46.1 AV	54.0	-7.9	1.51 H	124	31.1	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	118.4 PK			1.50 V	145	80.1	38.3
2	*5300.00	110.0 AV			1.50 V	145	71.7	38.3
3	10600.00	56.7 PK	74.0	-17.3	1.51 V	216	41.7	15.0
4	10600.00	46.6 AV	54.0	-7.4	1.51 V	216	31.6	15.0

Remarks:

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

RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5320.00	108.2 PK			1.50 H	100	69.8	38.4
2	*5320.00	98.3 AV			1.50 H	100	59.9	38.4
3	5350.00	59.0 PK	74.0	-15.0	1.50 H	100	51.2	7.8
4	5350.00	47.4 AV	54.0	-6.6	1.50 H	100	39.6	7.8
5	10640.00	56.9 PK	74.0	-17.1	1.37 H	114	41.7	15.2
6	10640.00	46.0 AV	54.0	-8.0	1.37 H	114	30.8	15.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.1 PK			1.50 V	161	77.7	38.4
2	*5320.00	108.2 AV			1.50 V	161	69.8	38.4
3	5350.00	66.8 PK	74.0	-7.2	1.50 V	161	59.0	7.8
4	5350.00	52.3 AV	54.0	-1.7	1.50 V	161	44.5	7.8
5	10640.00	57.4 PK	74.0	-16.6	1.53 V	206	42.2	15.2
6	10640.00	46.3 AV	54.0	-7.7	1.53 V	206	31.1	15.2

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	57.0 PK	74.0	-17.0	1.50 H	100	48.9	8.1
2	5150.00	47.1 AV	54.0	-6.9	1.50 H	100	39.0	8.1
3	*5260.00	109.2 PK			1.50 H	100	70.7	38.5
4	*5260.00	99.1 AV			1.50 H	100	60.6	38.5
5	#10520.00	56.6 PK	68.2	-11.6	1.67 H	15	41.8	14.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	57.2 PK	74.0	-16.8	1.80 V	146	49.1	8.1
2	5150.00	47.4 AV	54.0	-6.6	1.80 V	146	39.3	8.1
3	*5260.00	119.0 PK			1.80 V	146	80.5	38.5
4	*5260.00	109.7 AV			1.80 V	146	71.2	38.5
5	#10520.00	56.9 PK	68.2	-11.3	1.42 V	205	42.1	14.8

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5300.00	109.4 PK			1.50 H	100	71.1	38.3
2	*5300.00	99.6 AV			1.50 H	100	61.3	38.3
3	10600.00	57.2 PK	74.0	-16.8	1.56 H	32	42.2	15.0
4	10600.00	47.3 AV	54.0	-6.7	1.56 H	32	32.3	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	119.5 PK			1.80 V	146	81.2	38.3
2	*5300.00	109.6 AV			1.80 V	146	71.3	38.3
3	10600.00	57.4 PK	74.0	-16.6	1.56 V	306	42.4	15.0
4	10600.00	47.5 AV	54.0	-6.5	1.56 V	306	32.5	15.0

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5320.00	106.0 PK			1.50 H	100	67.6	38.4
2	*5320.00	96.9 AV			1.50 H	100	58.5	38.4
3	5350.00	57.3 PK	74.0	-16.7	1.50 H	100	49.5	7.8
4	5350.00	47.0 AV	54.0	-7.0	1.50 H	100	39.2	7.8
5	10640.00	57.0 PK	74.0	-17.0	1.54 H	159	41.8	15.2
6	10640.00	47.0 AV	54.0	-7.0	1.54 H	159	31.8	15.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	118.2 PK			2.28 V	159	79.8	38.4
2	*5320.00	108.0 AV			2.28 V	159	69.6	38.4
3	5350.00	66.3 PK	74.0	-7.7	2.28 V	159	58.5	7.8
4	5350.00	52.4 AV	54.0	-1.6	2.28 V	159	44.6	7.8
5	10640.00	57.1 PK	74.0	-16.9	1.59 V	306	41.9	15.2
6	10640.00	47.3 AV	54.0	-6.7	1.59 V	306	32.1	15.2

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 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5270.00	106.4 PK			1.50 H	100	68.0	38.4
2	*5270.00	96.3 AV			1.50 H	100	57.9	38.4
3	5350.00	57.7 PK	74.0	-16.3	1.50 H	100	49.9	7.8
4	5350.00	48.0 AV	54.0	-6.0	1.50 H	100	40.2	7.8
5	#10540.00	57.1 PK	68.2	-11.1	1.11 H	214	42.2	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5270.00	117.4 PK			1.70 V	145	79.0	38.4
2	*5270.00	107.6 AV			1.70 V	145	69.2	38.4
3	5350.00	58.3 PK	74.0	-15.7	1.70 V	145	50.5	7.8
4	5350.00	48.4 AV	54.0	-5.6	1.70 V	145	40.6	7.8
5	#10540.00	57.4 PK	68.2	-10.8	1.00 V	59	42.5	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5310.00	103.3 PK			1.50 H	100	64.9	38.4
2	*5310.00	93.4 AV			1.50 H	100	55.0	38.4
3	5350.00	57.4 PK	74.0	-16.6	1.50 H	100	49.6	7.8
4	5350.00	47.5 AV	54.0	-6.5	1.50 H	100	39.7	7.8
5	10620.00	57.0 PK	74.0	-17.0	1.59 H	155	42.0	15.0
6	10620.00	46.8 AV	54.0	-7.2	1.59 H	155	31.8	15.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	114.2 PK			1.95 V	161	75.8	38.4
2	*5310.00	104.5 AV			1.95 V	161	66.1	38.4
3	5350.00	65.4 PK	74.0	-8.6	1.95 V	161	57.6	7.8
4	**5350.00**	**53.0 AV**	**54.0**	**-1.0**	**1.95 V**	**161**	**45.2**	**7.8**
5	10620.00	57.2 PK	74.0	-16.8	1.15 V	150	42.2	15.0
6	10620.00	47.0 AV	54.0	-7.0	1.15 V	150	32.0	15.0

Remarks:

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

RF Mode	802.11be (EHT80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5290.00	99.2 PK			1.50 H	100	60.8	38.4
2	*5290.00	90.1 AV			1.50 H	100	51.7	38.4
3	5350.00	57.6 PK	74.0	-16.4	1.50 H	100	49.8	7.8
4	5350.00	47.4 AV	54.0	-6.6	1.50 H	100	39.6	7.8
5	#10580.00	56.9 PK	68.2	-11.3	1.00 H	100	42.0	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5290.00	110.2 PK			1.88 V	158	71.8	38.4
2	*5290.00	101.2 AV			1.88 V	158	62.8	38.4
3	5350.00	64.8 PK	74.0	-9.2	1.88 V	158	57.0	7.8
4	5350.00	52.6 AV	54.0	-1.4	1.88 V	158	44.8	7.8
5	#10580.00	57.3 PK	68.2	-10.9	1.90 V	315	42.4	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT160)	**Channel**	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5150.00	57.4 PK	74.0	-16.6	1.50 H	321	49.3	8.1
2	5150.00	47.3 AV	54.0	-6.7	1.50 H	321	39.2	8.1
3	*5250.00	95.1 PK			1.50 H	321	56.6	38.5
4	*5250.00	85.6 AV			1.50 H	321	47.1	38.5
5	5350.00	57.6 PK	74.0	-16.4	1.50 H	321	49.8	7.8
6	5350.00	47.4 AV	54.0	-6.6	1.50 H	321	39.6	7.8
7	#10500.00	56.9 PK	68.2	-11.3	1.34 H	185	42.0	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	60.7 PK	74.0	-13.3	1.70 V	144	52.6	8.1
2	5150.00	50.2 AV	54.0	-3.8	1.70 V	144	42.1	8.1
3	*5250.00	106.1 PK			1.70 V	144	67.6	38.5
4	*5250.00	96.2 AV			1.70 V	144	57.7	38.5
5	5350.00	59.8 PK	74.0	-14.2	1.70 V	144	52.0	7.8
6	5350.00	49.1 AV	54.0	-4.9	1.70 V	144	41.3	7.8
7	#10500.00	57.2 PK	68.2	-11.0	1.54 V	17	42.3	14.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5460.00	58.5 PK	74.0	-15.5	1.49 H	113	50.6	7.9
2	5460.00	48.1 AV	54.0	-5.9	1.49 H	113	40.2	7.9
3	#5470.00	58.7 PK	68.2	-9.5	1.49 H	113	50.8	7.9
4	*5500.00	106.0 PK			1.49 H	113	67.3	38.7
5	*5500.00	97.1 AV			1.49 H	113	58.4	38.7
6	11000.00	56.5 PK	74.0	-17.5	1.57 H	2	40.9	15.6
7	11000.00	46.4 AV	54.0	-7.6	1.57 H	2	30.8	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	2.00 V	185	52.0	7.9
2	5460.00	50.0 AV	54.0	-4.0	2.00 V	185	42.1	7.9
3	#5470.00	64.3 PK	68.2	-3.9	2.00 V	185	56.4	7.9
4	*5500.00	118.7 PK			2.00 V	185	80.0	38.7
5	*5500.00	109.3 AV			2.00 V	185	70.6	38.7
6	11000.00	56.7 PK	74.0	-17.3	1.50 V	214	41.1	15.6
7	11000.00	47.0 AV	54.0	-7.0	1.50 V	214	31.4	15.6

Remarks:

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

RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5580.00	108.1 PK			1.49 H	112	68.9	39.2
2	*5580.00	99.6 AV			1.49 H	112	60.4	39.2
3	11160.00	56.6 PK	74.0	-17.4	1.05 H	200	40.6	16.0
4	11160.00	47.2 AV	54.0	-6.8	1.05 H	200	31.2	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5580.00	120.2 PK			2.00 V	185	81.0	39.2
2	*5580.00	111.3 AV			2.00 V	185	72.1	39.2
3	11160.00	57.0 PK	74.0	-17.0	1.50 V	214	41.0	16.0
4	11160.00	47.6 AV	54.0	-6.4	1.50 V	214	31.6	16.0

Remarks:

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

RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	*5700.00	102.2 PK			1.20 H	47	62.4	39.8
2	*5700.00	93.6 AV			1.20 H	47	53.8	39.8
3	#5725.00	60.0 PK	68.2	-8.2	1.20 H	47	50.8	9.2
4	11400.00	57.1 PK	74.0	-16.9	1.54 H	190	41.2	15.9
5	11400.00	47.7 AV	54.0	-6.3	1.54 H	190	31.8	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	115.7 PK			2.19 V	192	75.9	39.8
2	*5700.00	106.6 AV			2.19 V	192	66.8	39.8
3	#5725.00	62.2 PK	68.2	-6.0	2.19 V	192	53.0	9.2
4	11400.00	57.3 PK	74.0	-16.7	1.59 V	206	41.4	15.9
5	11400.00	47.8 AV	54.0	-6.2	1.59 V	206	31.9	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	**Channel**	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5460.00	58.0 PK	74.0	-16.0	2.84 H	317	50.1	7.9
2	5460.00	47.7 AV	54.0	-6.3	2.84 H	317	39.8	7.9
3	#5470.00	58.2 PK	68.2	-10.0	2.84 H	317	50.3	7.9
4	*5720.00	103.6 PK			2.84 H	317	63.6	40.0
5	*5720.00	95.1 AV			2.84 H	317	55.1	40.0
6	#5850.00	58.3 PK	68.2	-9.9	2.84 H	317	48.7	9.6
7	11440.00	57.3 PK	74.0	-16.7	1.57 H	160	41.3	16.0
8	11440.00	47.4 AV	54.0	-6.6	1.57 H	160	31.4	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	58.4 PK	74.0	-15.6	1.77 V	26	50.5	7.9
2	5460.00	48.1 AV	54.0	-5.9	1.77 V	26	40.2	7.9
3	#5470.00	58.5 PK	68.2	-9.7	1.77 V	26	50.6	7.9
4	*5720.00	115.3 PK			1.77 V	26	75.3	40.0
5	*5720.00	108.2 AV			1.77 V	26	68.2	40.0
6	#5850.00	58.8 PK	68.2	-9.4	1.77 V	26	49.2	9.6
7	11440.00	58.1 PK	74.0	-15.9	1.54 V	155	42.1	16.0
8	11440.00	48.8 AV	54.0	-5.2	1.54 V	155	32.8	16.0

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	5460.00	57.0 PK	74.0	-17.0	2.10 H	317	49.1	7.9
2	5460.00	46.7 AV	54.0	-7.3	2.10 H	317	38.8	7.9
3	#5470.00	57.2 PK	68.2	-11.0	2.10 H	317	49.3	7.9
4	*5500.00	108.8 PK			2.10 H	317	70.1	38.7
5	*5500.00	99.8 AV			2.10 H	317	61.1	38.7
6	11000.00	55.8 PK	74.0	-18.2	1.59 H	4	40.2	15.6
7	11000.00	45.7 AV	54.0	-8.3	1.59 H	4	30.1	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	1.87 V	27	53.8	7.9
2	5460.00	48.2 AV	54.0	-5.8	1.87 V	27	40.3	7.9
3	#5470.00	66.6 PK	68.2	-1.6	1.87 V	27	58.7	7.9
4	*5500.00	117.2 PK			1.87 V	27	78.5	38.7
5	*5500.00	108.8 AV			1.87 V	27	70.1	38.7
6	11000.00	56.0 PK	74.0	-18.0	1.81 V	207	40.4	15.6
7	11000.00	46.0 AV	54.0	-8.0	1.81 V	207	30.4	15.6

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Wade Huang		

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	*5580.00	109.7 PK			2.02 H	315	70.5	39.2
2	*5580.00	100.9 AV			2.02 H	315	61.7	39.2
3	11160.00	57.5 PK	74.0	-16.5	1.55 H	2	41.5	16.0
4	11160.00	46.3 AV	54.0	-7.7	1.55 H	2	30.3	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5580.00	120.6 PK			2.04 V	26	81.4	39.2
2	*5580.00	111.5 AV			2.04 V	26	72.3	39.2
3	11160.00	57.8 PK	74.0	-16.2	1.85 V	217	41.8	16.0
4	11160.00	46.6 AV	54.0	-7.4	1.85 V	217	30.6	16.0

Remarks:

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

RF Mode	802.11be (EHT20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Wade Huang		

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	*5700.00	106.5 PK			2.00 H	318	66.7	39.8
2	*5700.00	97.1 AV			2.00 H	318	57.3	39.8
3	#5725.00	59.1 PK	68.2	-9.1	2.00 H	318	49.9	9.2
4	11400.00	56.9 PK	74.0	-17.1	1.53 H	6	41.0	15.9
5	11400.00	47.4 AV	54.0	-6.6	1.53 H	6	31.5	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	119.9 PK			1.50 V	28	80.1	39.8
2	*5700.00	108.4 AV			1.50 V	28	68.6	39.8
3	#5725.00	66.8 PK	68.2	-1.4	1.50 V	28	57.6	9.2
4	11400.00	57.1 PK	74.0	-16.9	1.61 V	203	41.2	15.9
5	11400.00	47.7 AV	54.0	-6.3	1.61 V	203	31.8	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5460.00	58.0 PK	74.0	-16.0	2.84 H	317	50.1	7.9
2	5460.00	47.9 AV	54.0	-6.1	2.84 H	317	40.0	7.9
3	#5470.00	58.3 PK	68.2	-9.9	2.84 H	317	50.4	7.9
4	*5720.00	104.5 PK			2.84 H	317	64.5	40.0
5	*5720.00	96.4 AV			2.84 H	317	56.4	40.0
6	#5850.00	58.3 PK	68.2	-9.9	2.84 H	317	48.7	9.6
7	11440.00	57.4 PK	74.0	-16.6	1.59 H	3	41.4	16.0
8	11440.00	47.8 AV	54.0	-6.2	1.59 H	3	31.8	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.77 V	26	50.2	7.9
2	5460.00	48.2 AV	54.0	-5.8	1.77 V	26	40.3	7.9
3	#5470.00	58.6 PK	68.2	-9.6	1.77 V	26	50.7	7.9
4	*5720.00	117.0 PK			1.77 V	26	77.0	40.0
5	*5720.00	107.2 AV			1.77 V	26	67.2	40.0
6	#5850.00	58.5 PK	68.2	-9.7	1.77 V	26	48.9	9.6
7	11440.00	58.2 PK	74.0	-15.8	1.56 V	315	42.2	16.0
8	11440.00	48.4 AV	54.0	-5.6	1.56 V	315	32.4	16.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	5460.00	58.4 PK	74.0	-15.6	1.79 H	315	50.5	7.9
2	5460.00	47.0 AV	54.0	-7.0	1.79 H	315	39.1	7.9
3	#5470.00	60.1 PK	68.2	-8.1	1.79 H	315	52.2	7.9
4	*5510.00	105.0 PK			1.79 H	315	66.2	38.8
5	*5510.00	97.0 AV			1.79 H	315	58.2	38.8
6	11020.00	56.9 PK	74.0	-17.1	1.55 H	8	41.2	15.7
7	11020.00	47.1 AV	54.0	-6.9	1.55 H	8	31.4	15.7
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	5460.00	63.4 PK	74.0	-10.6	2.73 V	187	55.5	7.9
2	5460.00	50.0 AV	54.0	-4.0	2.73 V	187	42.1	7.9
3	#5470.00	66.7 PK	68.2	-1.5	2.73 V	187	58.8	7.9
4	*5510.00	116.0 PK			2.73 V	187	77.2	38.8
5	*5510.00	107.5 AV			2.73 V	187	68.7	38.8
6	11020.00	57.1 PK	74.0	-16.9	1.64 V	205	41.4	15.7
7	11020.00	47.4 AV	54.0	-6.6	1.64 V	205	31.7	15.7

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT40)	**Channel**	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Wade Huang		

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	*5550.00	108.3 PK			2.07 H	315	69.3	39.0
2	*5550.00	98.5 AV			2.07 H	315	59.5	39.0
3	11100.00	57.3 PK	74.0	-16.7	1.57 H	10	41.3	16.0
4	11100.00	47.3 AV	54.0	-6.7	1.57 H	10	31.3	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5550.00	118.6 PK			2.22 V	184	79.6	39.0
2	*5550.00	109.5 AV			2.22 V	184	70.5	39.0
3	11100.00	57.5 PK	74.0	-16.5	1.66 V	201	41.5	16.0
4	11100.00	47.6 AV	54.0	-6.4	1.66 V	201	31.6	16.0

Remarks:

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

RF Mode	802.11be (EHT40)	**Channel**	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Wade Huang		

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	*5670.00	105.3 PK			1.67 H	318	65.6	39.7
2	*5670.00	95.8 AV			1.67 H	318	56.1	39.7
3	#5725.00	58.9 PK	68.2	-9.3	1.67 H	318	49.7	9.2
4	11340.00	57.3 PK	74.0	-16.7	1.59 H	5	41.4	15.9
5	11340.00	47.2 AV	54.0	-6.8	1.59 H	5	31.3	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5670.00	116.6 PK			2.13 V	192	76.9	39.7
2	*5670.00	108.0 AV			2.13 V	192	68.3	39.7
3	#5725.00	64.7 PK	68.2	-3.5	2.13 V	192	55.5	9.2
4	11340.00	57.6 PK	74.0	-16.4	1.68 V	199	41.7	15.9
5	11340.00	47.4 AV	54.0	-6.6	1.68 V	199	31.5	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT40)	**Channel**	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5460.00	58.2 PK	74.0	-15.8	2.76 H	325	50.3	7.9
2	5460.00	48.0 AV	54.0	-6.0	2.76 H	325	40.1	7.9
3	#5470.00	58.5 PK	68.2	-9.7	2.76 H	325	50.6	7.9
4	*5710.00	101.2 PK			2.76 H	325	61.3	39.9
5	*5710.00	93.3 AV			2.76 H	325	53.4	39.9
6	#5850.00	58.3 PK	68.2	-9.9	2.76 H	325	48.7	9.6
7	11420.00	58.0 PK	74.0	-16.0	1.50 H	200	42.1	15.9
8	11420.00	47.5 AV	54.0	-6.5	1.50 H	200	31.6	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	58.5 PK	74.0	-15.5	1.77 V	18	50.6	7.9
2	5460.00	48.3 AV	54.0	-5.7	1.77 V	18	40.4	7.9
3	#5470.00	59.0 PK	68.2	-9.2	1.77 V	18	51.1	7.9
4	*5710.00	113.2 PK			1.77 V	18	73.3	39.9
5	*5710.00	104.2 AV			1.77 V	18	64.3	39.9
6	#5850.00	58.6 PK	68.2	-9.6	1.77 V	18	49.0	9.6
7	11420.00	58.2 PK	74.0	-15.8	1.34 V	299	42.3	15.9
8	11420.00	47.9 AV	54.0	-6.1	1.34 V	299	32.0	15.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	5460.00	57.2 PK	74.0	-16.8	2.00 H	317	49.3	7.9
2	5460.00	47.1 AV	54.0	-6.9	2.00 H	317	39.2	7.9
3	#5470.00	58.2 PK	68.2	-10.0	2.00 H	317	50.3	7.9
4	*5530.00	103.6 PK			2.00 H	317	64.8	38.8
5	*5530.00	94.5 AV			2.00 H	317	55.7	38.8
6	11060.00	57.1 PK	74.0	-16.9	1.53 H	4	41.3	15.8
7	11060.00	47.0 AV	54.0	-7.0	1.53 H	4	31.2	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.2 PK	74.0	-13.8	2.20 V	150	52.3	7.9
2	5460.00	50.4 AV	54.0	-3.6	2.20 V	150	42.5	7.9
3	#5470.00	62.4 PK	68.2	-5.8	2.20 V	150	54.5	7.9
4	*5530.00	111.9 PK			2.20 V	150	73.1	38.8
5	*5530.00	103.8 AV			2.20 V	150	65.0	38.8
6	11060.00	57.3 PK	74.0	-16.7	1.70 V	204	41.5	15.8
7	11060.00	47.3 AV	54.0	-6.7	1.70 V	204	31.5	15.8

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	*5610.00	104.7 PK			1.99 H	315	65.4	39.3
2	*5610.00	96.1 AV			1.99 H	315	56.8	39.3
3	#5725.00	60.0 PK	68.2	-8.2	1.99 H	315	50.8	9.2
4	11220.00	57.4 PK	74.0	-16.6	1.59 H	6	41.4	16.0
5	11220.00	47.3 AV	54.0	-6.7	1.59 H	6	31.3	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	116.1 PK			2.19 V	157	76.8	39.3
2	*5610.00	106.8 AV			2.19 V	157	67.5	39.3
3	#5725.00	65.6 PK	68.2	-2.6	2.19 V	157	56.4	9.2
4	11220.00	57.5 PK	74.0	-16.5	1.62 V	199	41.5	16.0
5	11220.00	47.6 AV	54.0	-6.4	1.62 V	199	31.6	16.0

Remarks:

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

RF Mode	802.11be (EHT80)	**Channel**	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	5460.00	58.5 PK	74.0	-15.5	2.76 H	315	50.6	7.9
2	5460.00	48.1 AV	54.0	-5.9	2.76 H	315	40.2	7.9
3	#5470.00	59.0 PK	68.2	-9.2	2.76 H	315	51.1	7.9
4	*5690.00	100.2 PK			2.76 H	315	60.4	39.8
5	*5690.00	91.4 AV			2.76 H	315	51.6	39.8
6	#5850.00	59.1 PK	68.2	-9.1	2.76 H	315	49.5	9.6
7	11380.00	57.7 PK	74.0	-16.3	1.55 H	151	41.9	15.8
8	11380.00	47.6 AV	54.0	-6.4	1.55 H	151	31.8	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	59.4 PK	74.0	-14.6	1.77 V	15	51.5	7.9
2	5460.00	48.3 AV	54.0	-5.7	1.77 V	15	40.4	7.9
3	#5470.00	59.6 PK	68.2	-8.6	1.77 V	15	51.7	7.9
4	*5690.00	112.1 PK			1.77 V	15	72.3	39.8
5	*5690.00	103.4 AV			1.77 V	15	63.6	39.8
6	#5850.00	60.8 PK	68.2	-7.4	1.77 V	15	51.2	9.6
7	11380.00	58.2 PK	74.0	-15.8	1.95 V	215	42.4	15.8
8	11380.00	48.0 AV	54.0	-6.0	1.95 V	215	32.2	15.8

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	5460.00	57.1 PK	74.0	-16.9	2.03 H	315	49.2	7.9
2	5460.00	47.5 AV	54.0	-6.5	2.03 H	315	39.6	7.9
3	#5470.00	58.7 PK	68.2	-9.5	2.03 H	315	50.8	7.9
4	*5570.00	97.2 PK			2.03 H	315	58.1	39.1
5	*5570.00	89.1 AV			2.03 H	315	50.0	39.1
6	11140.00	57.4 PK	74.0	-16.6	1.57 H	10	41.4	16.0
7	11140.00	47.2 AV	54.0	-6.8	1.57 H	10	31.2	16.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	2.35 V	188	53.4	7.9
2	5460.00	52.7 AV	54.0	-1.3	2.35 V	188	44.8	7.9
3	#5470.00	63.6 PK	68.2	-4.6	2.35 V	188	55.7	7.9
4	*5570.00	107.0 PK			2.35 V	188	67.9	39.1
5	*5570.00	99.0 AV			2.35 V	188	59.9	39.1
6	11140.00	57.7 PK	74.0	-16.3	1.64 V	203	41.7	16.0
7	11140.00	47.5 AV	54.0	-6.5	1.64 V	203	31.5	16.0

Remarks:

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

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5625.60	60.6 PK	68.2	-7.6	2.49 H	320	51.9	8.7
2	*5745.00	106.5 PK			2.49 H	320	66.3	40.2
3	*5745.00	99.3 AV			2.49 H	320	59.1	40.2
4	#5952.00	60.8 PK	68.2	-7.4	2.49 H	320	51.3	9.5
5	11490.00	57.0 PK	74.0	-17.0	1.84 H	255	40.9	16.1
6	11490.00	46.1 AV	54.0	-7.9	1.84 H	255	30.0	16.1
7	#17235.00	64.3 PK	68.2	-3.9	1.56 H	240	43.7	20.6
8	22980.00	58.1 PK	74.0	-15.9	1.70 H	247	54.2	3.9
9	22980.00	46.1 AV	54.0	-7.9	1.70 H	247	42.2	3.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.00	61.0 PK	68.2	-7.2	2.46 V	153	52.1	8.9
2	*5745.00	119.0 PK			2.46 V	153	78.8	40.2
3	*5745.00	112.2 AV			2.46 V	153	72.0	40.2
4	#5994.00	62.0 PK	68.2	-6.2	2.46 V	153	52.3	9.7
5	11490.00	57.2 PK	74.0	-16.8	1.68 V	199	41.1	16.1
6	11490.00	46.4 AV	54.0	-7.6	1.68 V	199	30.3	16.1
7	#17235.00	66.0 PK	68.2	-2.2	1.69 V	333	45.4	20.6
8	22980.00	65.2 PK	74.0	-8.8	3.16 V	282	61.3	3.9
9	22980.00	51.9 AV	54.0	-2.1	3.16 V	282	48.0	3.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Wade Huang		

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	#5607.60	60.6 PK	68.2	-7.6	1.06 H	44	52.0	8.6
2	*5785.00	109.7 PK			1.06 H	44	69.3	40.4
3	*5785.00	101.5 AV			1.06 H	44	61.1	40.4
4	#5986.00	61.9 PK	68.2	-6.3	1.06 H	44	52.4	9.5
5	11570.00	57.5 PK	74.0	-16.5	1.86 H	250	41.4	16.1
6	11570.00	46.4 AV	54.0	-7.6	1.86 H	250	30.3	16.1
7	#17355.00	65.6 PK	68.2	-2.6	1.52 H	240	44.9	20.7
8	#23140.00	57.7 PK	68.2	-10.5	1.51 H	230	53.9	3.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5618.40	61.7 PK	68.2	-6.5	2.40 V	146	53.0	8.7
2	*5785.00	121.5 PK			2.40 V	146	81.1	40.4
3	*5785.00	114.3 AV			2.40 V	146	73.9	40.4
4	#5928.00	62.0 PK	68.2	-6.2	2.40 V	146	52.5	9.5
5	11570.00	57.7 PK	74.0	-16.3	1.70 V	202	41.6	16.1
6	11570.00	46.7 AV	54.0	-7.3	1.70 V	202	30.6	16.1
7	#17355.00	66.9 PK	68.2	-1.3	1.70 V	333	46.2	20.7
8	#23140.00	63.4 PK	68.2	-4.8	1.40 V	249	59.6	3.8

Remarks:

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

RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5639.20	59.0 PK	68.2	-9.2	1.82 H	265	50.1	8.9
2	*5825.00	106.6 PK			1.82 H	265	66.2	40.4
3	*5825.00	99.4 AV			1.82 H	265	59.0	40.4
4	#5962.00	60.8 PK	68.2	-7.4	1.82 H	265	51.3	9.5
5	11650.00	57.6 PK	74.0	-16.4	1.50 H	60	41.6	16.0
6	11650.00	46.8 AV	54.0	-7.2	1.50 H	60	30.8	16.0
7	#17475.00	66.8 PK	68.2	-1.4	1.24 H	250	46.0	20.8
8	#23300.00	60.4 PK	68.2	-7.8	1.24 H	230	56.5	3.9
9	#29125.00	60.7 PK	68.2	-7.5	3.03 H	274	58.3	2.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5617.60	61.1 PK	68.2	-7.1	2.53 V	163	52.4	8.7
2	*5825.00	120.2 PK			2.53 V	163	79.8	40.4
3	*5825.00	113.6 AV			2.53 V	163	73.2	40.4
4	#5999.60	62.3 PK	68.2	-5.9	2.53 V	163	52.6	9.7
5	11650.00	57.7 PK	74.0	-16.3	1.99 V	158	41.7	16.0
6	11650.00	47.1 AV	54.0	-6.9	1.99 V	158	31.1	16.0
7	#17475.00	66.6 PK	68.2	-1.6	1.00 V	317	45.8	20.8
8	#23300.00	66.9 PK	68.2	-1.3	1.56 V	294	63.0	3.9
9	#29125.00	67.0 PK	68.2	-1.2	2.95 V	256	64.6	2.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5643.60	59.9 PK	68.2	-8.3	2.38 H	317	50.9	9.0
2	*5745.00	108.4 PK			2.38 H	317	68.2	40.2
3	*5745.00	99.6 AV			2.38 H	317	59.4	40.2
4	#5979.20	61.0 PK	68.2	-7.2	2.38 H	317	51.5	9.5
5	11490.00	57.2 PK	74.0	-16.8	1.52 H	62	41.1	16.1
6	11490.00	45.8 AV	54.0	-8.2	1.52 H	62	29.7	16.1
7	#17235.00	65.1 PK	68.2	-3.1	1.60 H	240	44.5	20.6
8	22980.00	60.8 PK	74.0	-13.2	1.51 H	249	56.9	3.9
9	22980.00	47.3 AV	54.0	-6.7	1.51 H	249	43.4	3.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.40	63.1 PK	68.2	-5.1	1.84 V	240	54.5	8.6
2	*5745.00	120.0 PK			1.84 V	240	79.8	40.2
3	*5745.00	111.4 AV			1.84 V	240	71.2	40.2
4	#5945.60	61.1 PK	68.2	-7.1	1.84 V	240	51.6	9.5
5	11490.00	57.5 PK	74.0	-16.5	2.01 V	161	41.4	16.1
6	11490.00	45.9 AV	54.0	-8.1	2.01 V	161	29.8	16.1
7	#17235.00	66.4 PK	68.2	-1.8	1.16 V	255	45.8	20.6
8	22980.00	66.1 PK	74.0	-7.9	3.39 V	282	62.2	3.9
9	22980.00	52.7 AV	54.0	-1.3	3.39 V	282	48.8	3.9

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Wade Huang		

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	#5646.40	60.1 PK	68.2	-8.1	2.11 H	309	51.1	9.0
2	*5785.00	106.3 PK			2.11 H	309	65.9	40.4
3	*5785.00	98.7 AV			2.11 H	309	58.3	40.4
4	#5977.20	62.6 PK	68.2	-5.6	2.11 H	309	53.1	9.5
5	11570.00	57.7 PK	74.0	-16.3	1.89 H	248	41.6	16.1
6	11570.00	46.4 AV	54.0	-7.6	1.89 H	248	30.3	16.1
7	#17355.00	64.9 PK	68.2	-3.3	1.64 H	240	44.2	20.7
8	#23140.00	59.0 PK	68.2	-9.2	1.08 H	231	55.2	3.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5645.20	61.1 PK	68.2	-7.1	2.22 V	238	52.1	9.0
2	*5785.00	121.3 PK			2.22 V	238	80.9	40.4
3	*5785.00	113.0 AV			2.22 V	238	72.6	40.4
4	#5987.20	62.7 PK	68.2	-5.5	2.22 V	238	53.2	9.5
5	11570.00	57.9 PK	74.0	-16.1	1.65 V	198	41.8	16.1
6	11570.00	46.6 AV	54.0	-7.4	1.65 V	198	30.5	16.1
7	#17355.00	66.9 PK	68.2	-1.3	1.70 V	334	46.2	20.7
8	#23140.00	66.8 PK	68.2	-1.4	3.51 V	284	63.0	3.8

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5646.00	61.1 PK	68.2	-7.1	1.83 H	264	52.1	9.0
2	*5825.00	109.2 PK			1.83 H	264	68.8	40.4
3	*5825.00	100.2 AV			1.83 H	264	59.8	40.4
4	#5932.40	62.8 PK	68.2	-5.4	1.83 H	264	53.3	9.5
5	11650.00	57.0 PK	74.0	-17.0	1.50 H	253	41.0	16.0
6	11650.00	46.4 AV	54.0	-7.6	1.50 H	253	30.4	16.0
7	#17475.00	64.2 PK	68.2	-4.0	1.47 H	316	43.4	20.8
8	#23300.00	60.6 PK	68.2	-7.6	1.28 H	230	56.7	3.9
9	#29125.00	61.6 PK	68.2	-6.6	1.00 H	247	59.2	2.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.00	61.5 PK	68.2	-6.7	1.89 V	236	52.8	8.7
2	*5825.00	121.2 PK			1.89 V	236	80.8	40.4
3	*5825.00	112.7 AV			1.89 V	236	72.3	40.4
4	#5938.00	62.3 PK	68.2	-5.9	1.89 V	236	52.8	9.5
5	11650.00	57.1 PK	74.0	-16.9	1.50 V	253	41.1	16.0
6	11650.00	46.6 AV	54.0	-7.4	1.50 V	253	30.6	16.0
7	#17475.00	66.6 PK	68.2	-1.6	1.47 V	316	45.8	20.8
8	#23300.00	66.9 PK	68.2	-1.3	1.52 V	294	63.0	3.9
9	#29125.00	66.2 PK	68.2	-2.0	2.93 V	260	63.8	2.4

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5635.60	60.2 PK	68.2	-8.0	2.76 H	317	51.3	8.9
2	*5755.00	106.1 PK			2.76 H	317	65.8	40.3
3	*5755.00	98.8 AV			2.76 H	317	58.5	40.3
4	#5978.00	61.1 PK	68.2	-7.1	2.76 H	317	51.6	9.5
5	11510.00	57.0 PK	74.0	-17.0	1.51 H	118	40.9	16.1
6	11510.00	46.5 AV	54.0	-7.5	1.51 H	118	30.4	16.1
7	#17265.00	62.4 PK	68.2	-5.8	1.50 H	241	42.1	20.3
8	23020.00	57.7 PK	74.0	-16.3	1.50 H	247	53.6	4.1
9	23020.00	46.3 AV	54.0	-7.7	1.50 H	247	42.2	4.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.60	62.5 PK	68.2	-5.7	1.77 V	26	53.6	8.9
2	*5755.00	119.0 PK			1.77 V	26	78.7	40.3
3	*5755.00	111.4 AV			1.77 V	26	71.1	40.3
4	#5988.40	62.0 PK	68.2	-6.2	1.77 V	26	52.4	9.6
5	11510.00	57.6 PK	74.0	-16.4	1.53 V	316	41.5	16.1
6	11510.00	46.9 AV	54.0	-7.1	1.53 V	316	30.8	16.1
7	#17265.00	63.0 PK	68.2	-5.2	2.03 V	332	42.7	20.3
8	23020.00	67.0 PK	74.0	-7.0	3.36 V	282	62.9	4.1
9	23020.00	52.7 AV	54.0	-1.3	3.36 V	282	48.6	4.1

Remarks:

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

RF Mode	802.11be (EHT40)	**Channel**	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5603.20	60.9 PK	68.2	-7.3	2.76 H	312	52.3	8.6
2	*5795.00	106.6 PK			2.76 H	312	66.1	40.5
3	*5795.00	97.8 AV			2.76 H	312	57.3	40.5
4	#5969.20	61.2 PK	68.2	-7.0	2.76 H	312	51.7	9.5
5	11590.00	57.0 PK	74.0	-17.0	1.56 H	315	41.0	16.0
6	11590.00	47.1 AV	54.0	-6.9	1.56 H	315	31.1	16.0
7	#17385.00	64.8 PK	68.2	-3.4	1.51 H	240	43.8	21.0
8	#23180.00	60.1 PK	68.2	-8.1	1.12 H	231	56.4	3.7
9	#28975.00	57.1 PK	68.2	-11.1	1.49 H	310	54.6	2.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5636.80	62.1 PK	68.2	-6.1	1.77 V	9	53.2	8.9
2	*5795.00	119.2 PK			1.77 V	9	78.7	40.5
3	*5795.00	110.7 AV			1.77 V	9	70.2	40.5
4	#5955.20	62.5 PK	68.2	-5.7	1.77 V	9	53.0	9.5
5	11590.00	57.2 PK	74.0	-16.8	1.54 V	199	41.2	16.0
6	11590.00	47.5 AV	54.0	-6.5	1.54 V	199	31.5	16.0
7	#17385.00	66.2 PK	68.2	-2.0	2.00 V	330	45.2	21.0
8	#23180.00	66.9 PK	68.2	-1.3	3.45 V	282	63.2	3.7
9	#28975.00	62.7 PK	68.2	-5.5	2.74 V	262	60.2	2.5

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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11be (EHT80)	**Channel**	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	22 °C, 68 % RH
Tested By	Charles Hsiao		

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	#5645.20	59.7 PK	68.2	-8.5	2.76 H	318	50.7	9.0
2	*5775.00	101.3 PK			2.76 H	318	61.0	40.3
3	*5775.00	92.6 AV			2.76 H	318	52.3	40.3
4	#5939.60	60.7 PK	68.2	-7.5	2.76 H	318	51.2	9.5
5	11550.00	57.1 PK	74.0	-16.9	1.56 H	3	41.0	16.1
6	11550.00	47.0 AV	54.0	-7.0	1.56 H	3	30.9	16.1
7	23100.00	56.8 PK	74.0	-17.2	1.54 H	7	34.2	22.6
8	23100.00	45.7 AV	54.0	-8.3	1.54 H	7	23.1	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5643.60	67.0 PK	68.2	-1.2	2.09 V	241	58.0	9.0
2	*5775.00	114.4 PK			2.09 V	241	74.1	40.3
3	*5775.00	105.1 AV			2.09 V	241	64.8	40.3
4	#5931.60	66.0 PK	68.2	-2.2	2.09 V	241	56.5	9.5
5	11550.00	57.5 PK	74.0	-16.5	1.56 V	315	41.4	16.1
6	11550.00	47.3 AV	54.0	-6.7	1.56 V	315	31.2	16.1
7	23100.00	57.5 PK	74.0	-16.5	1.05 V	241	34.9	22.6
8	23100.00	46.2 AV	54.0	-7.8	1.05 V	241	23.6	22.6

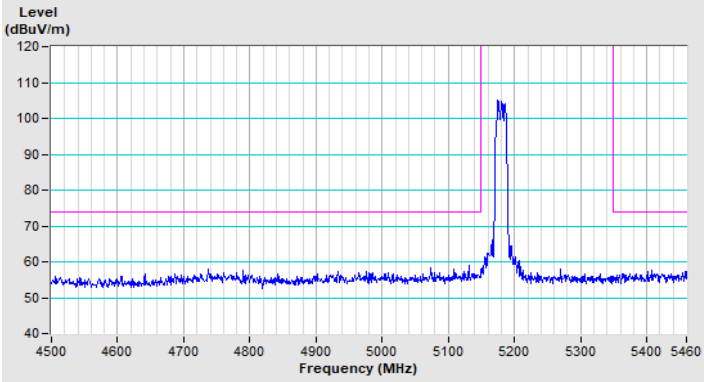
Remarks:

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

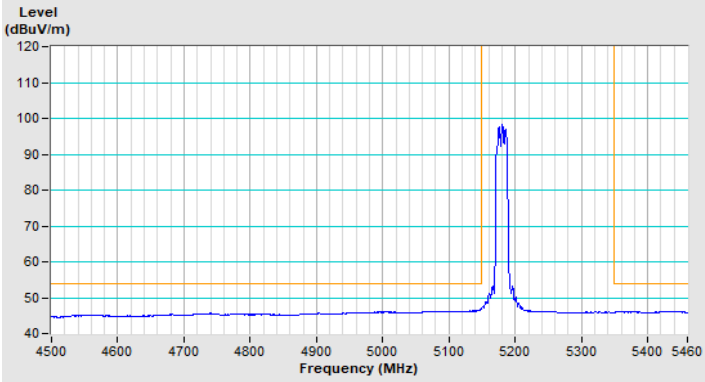
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

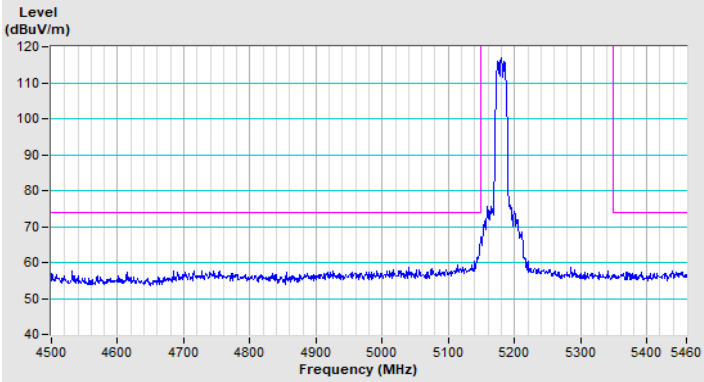
802.11a Channel 36



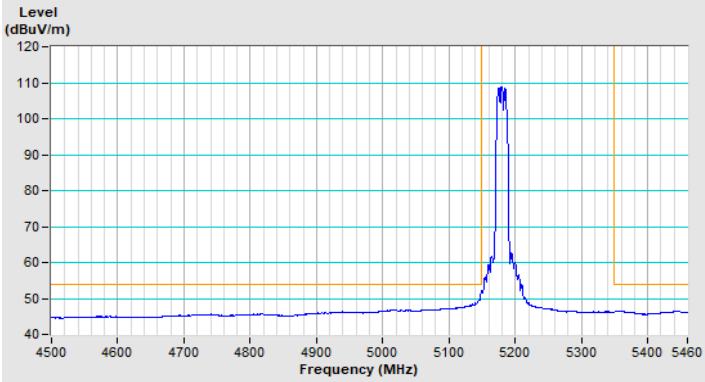
Horizontal (Peak)



Horizontal (Average)

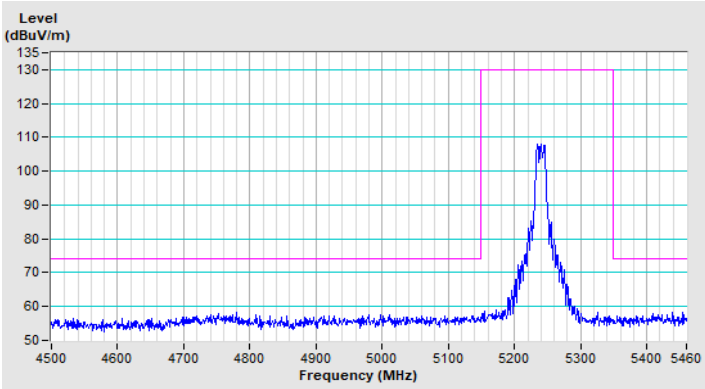


Vertical (Peak)

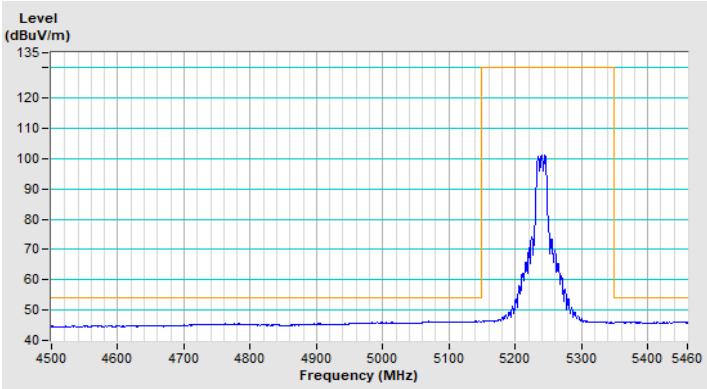


Vertical (Average)

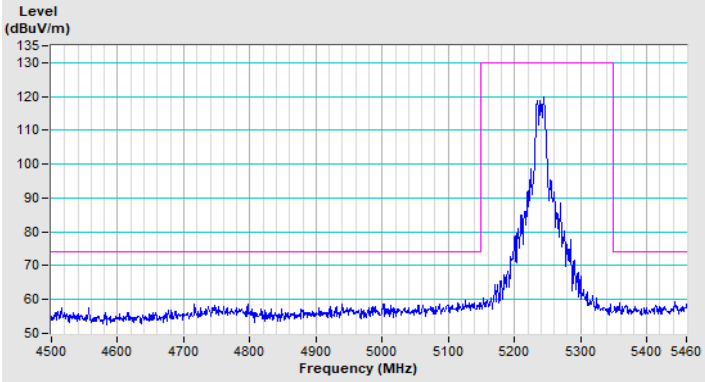
802.11a Channel 48



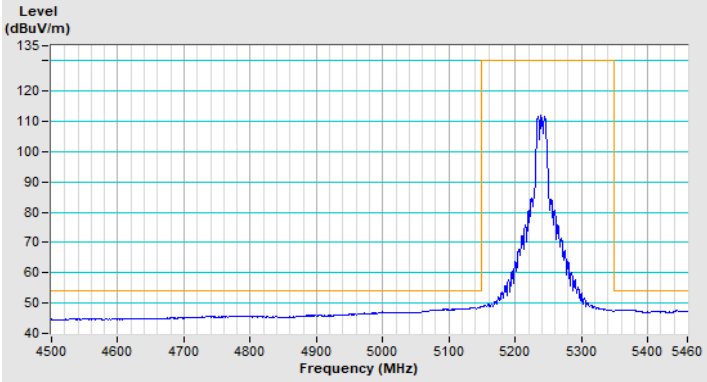
Horizontal (Peak)



Horizontal (Average)



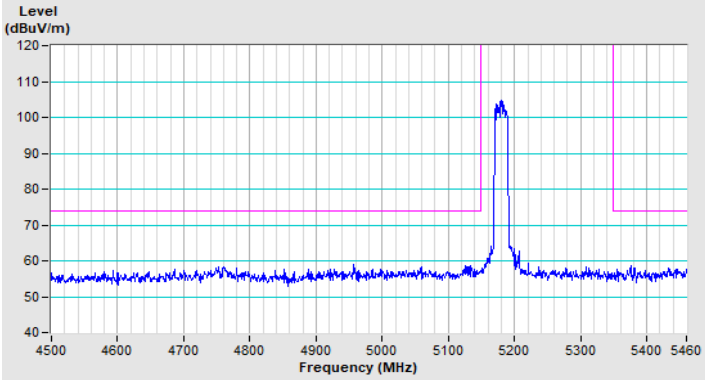
Vertical (Peak)



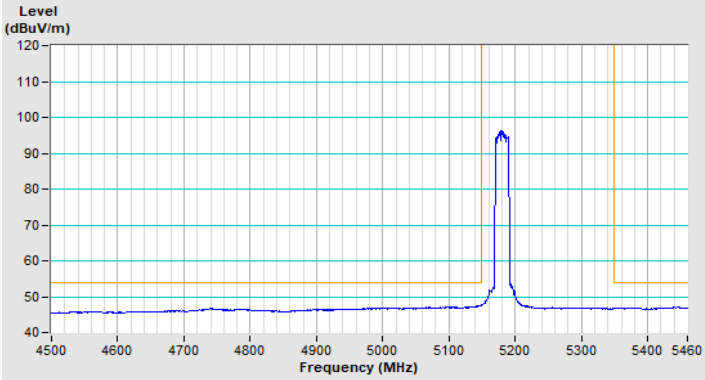
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

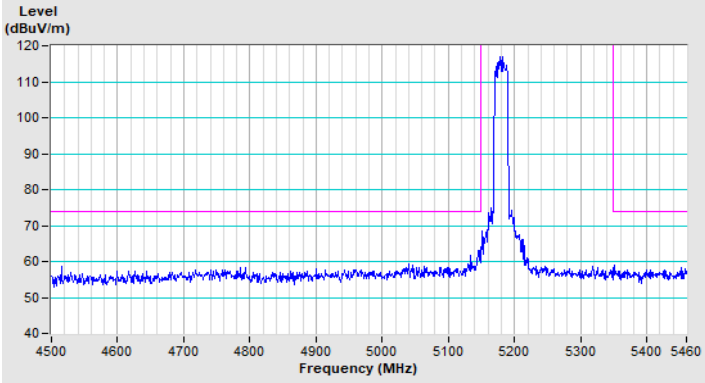
802.11be (EHT20) Channel 36



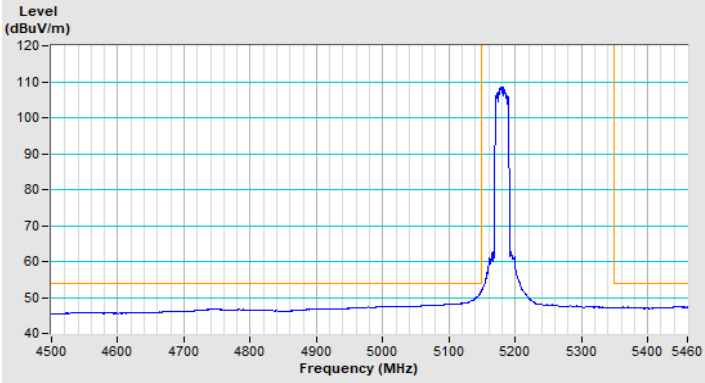
Horizontal (Peak)



Horizontal (Average)

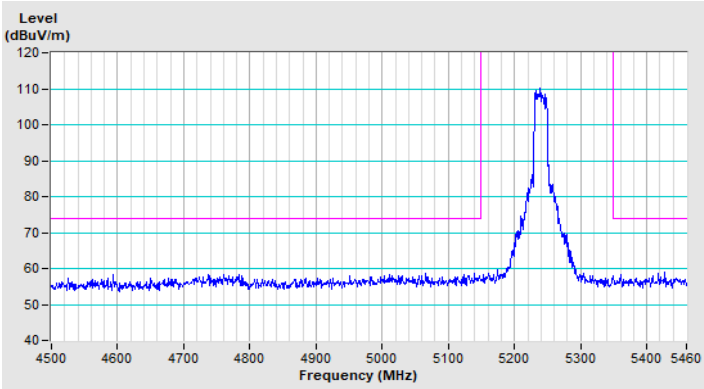


Vertical (Peak)

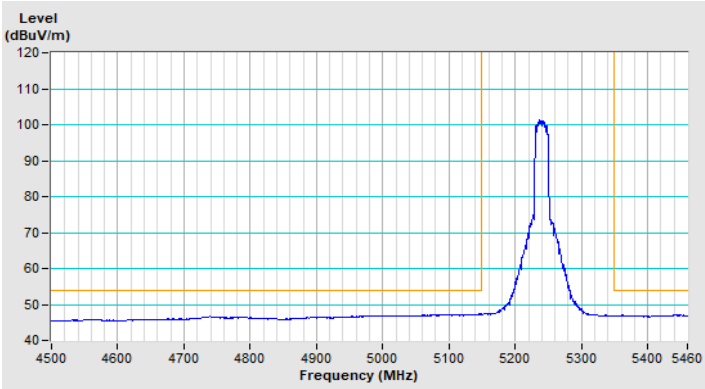


Vertical (Average)

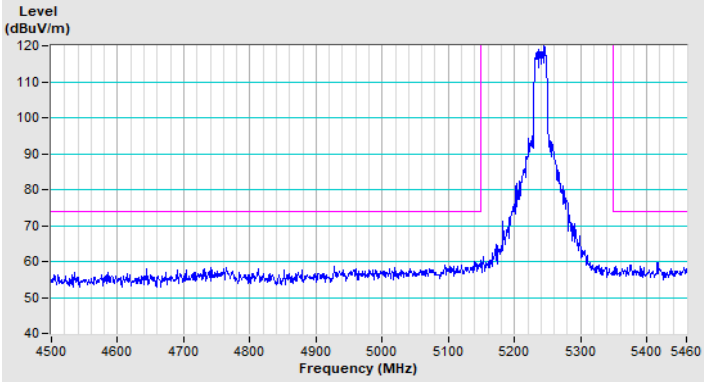
802.11be (EHT20) Channel 48



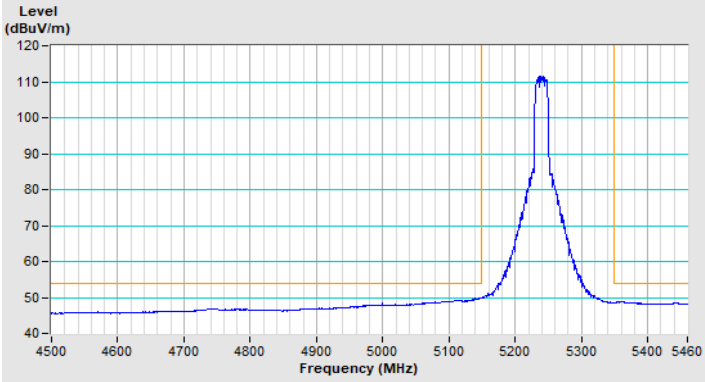
Horizontal (Peak)



Horizontal (Average)



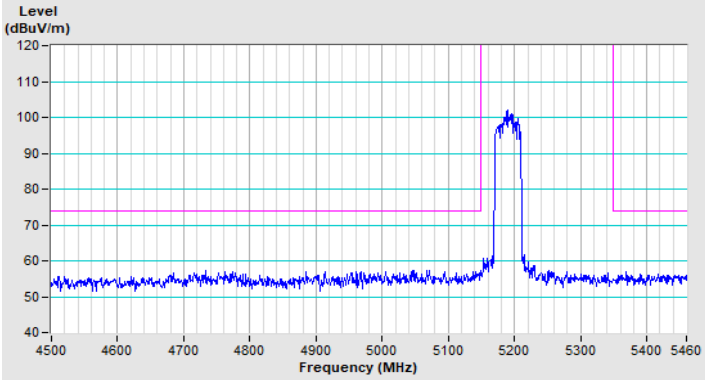
Vertical (Peak)



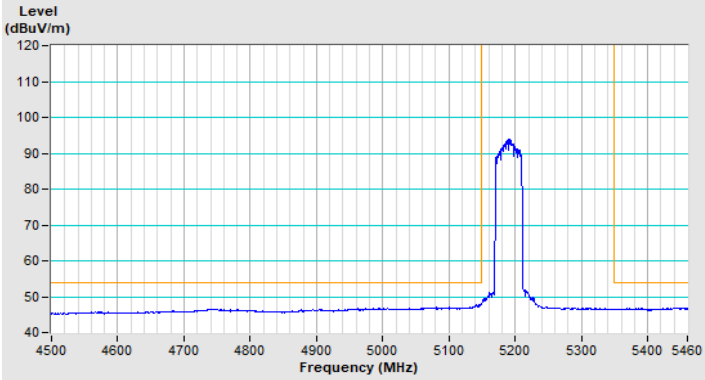
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

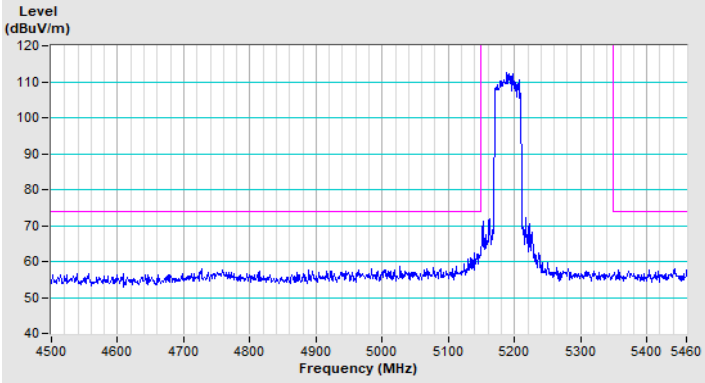
802.11be (EHT40) Channel 38



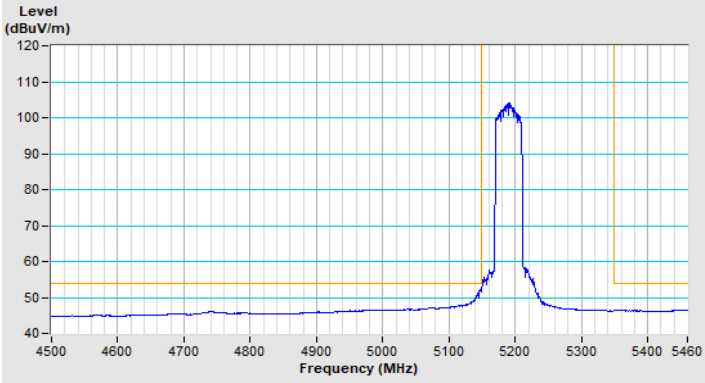
Horizontal (Peak)



Horizontal (Average)

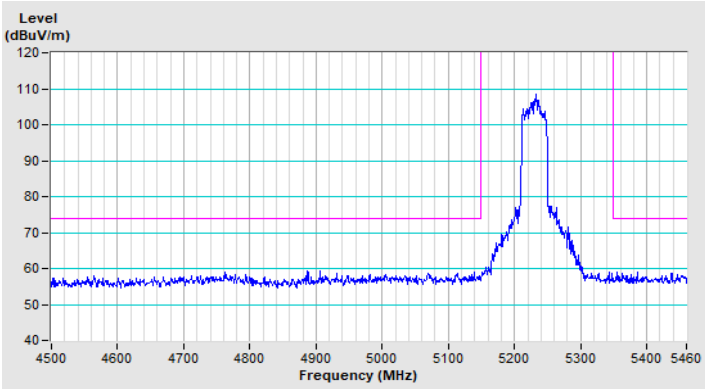


Vertical (Peak)

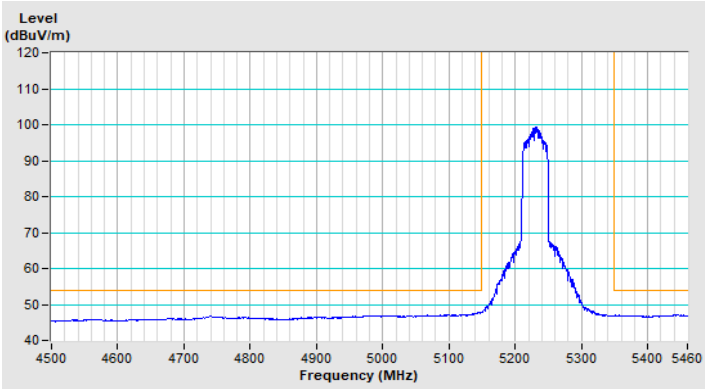


Vertical (Average)

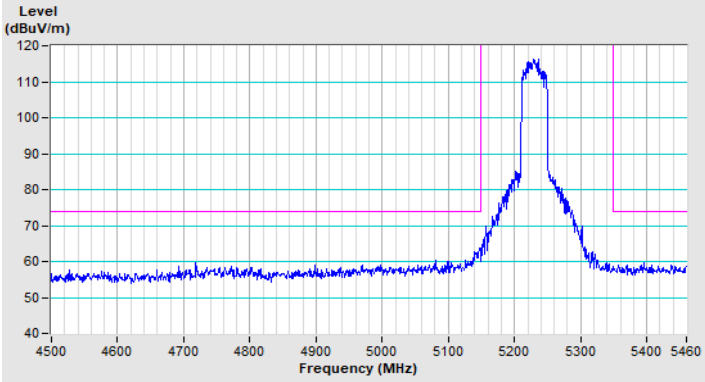
802.11be (EHT40) Channel 46



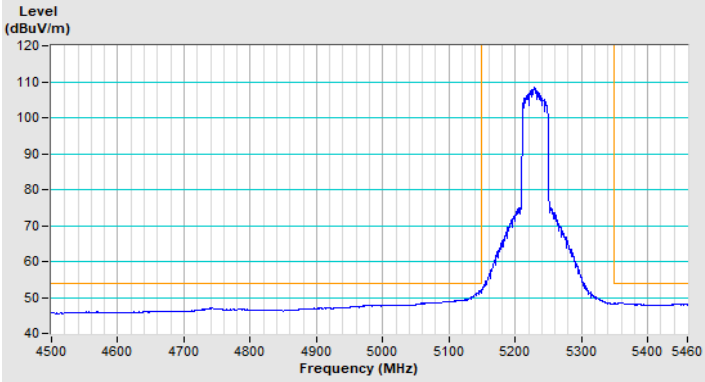
Horizontal (Peak)



Horizontal (Average)



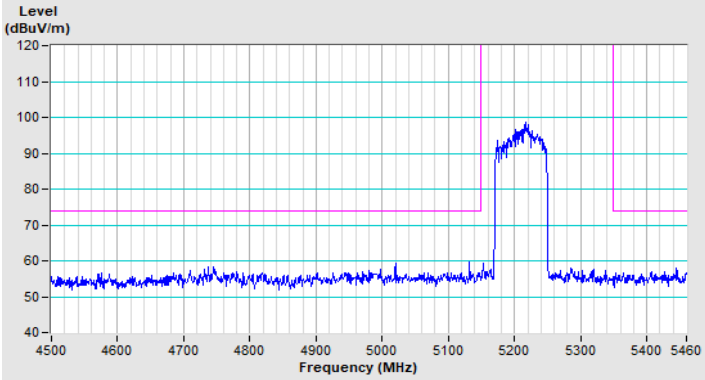
Vertical (Peak)



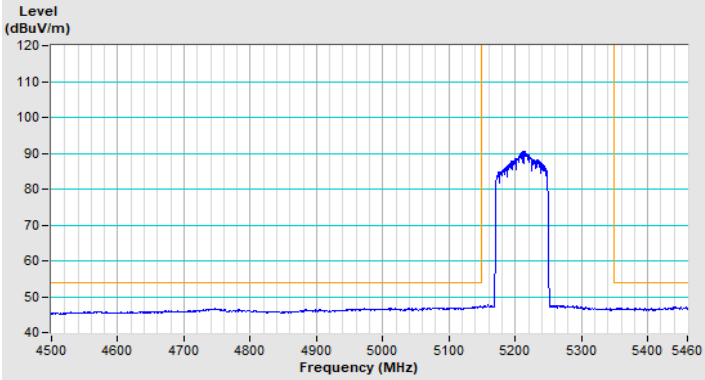
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

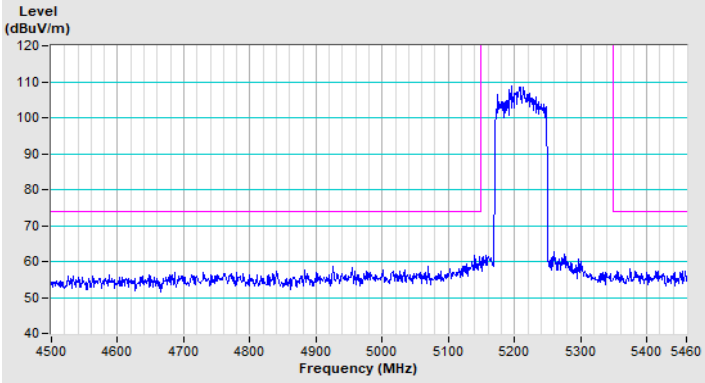
802.11be (EHT80) Channel 42



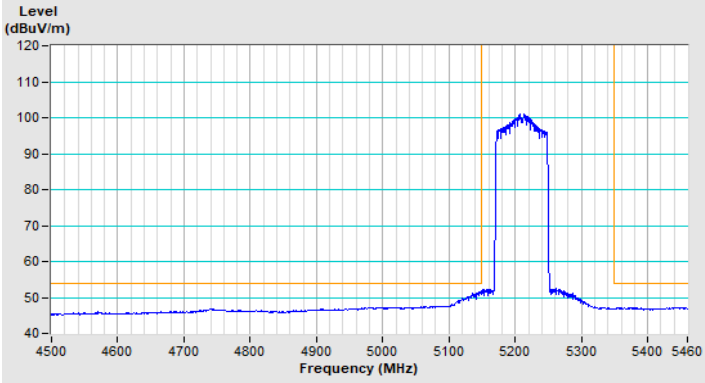
Horizontal (Peak)



Horizontal (Average)



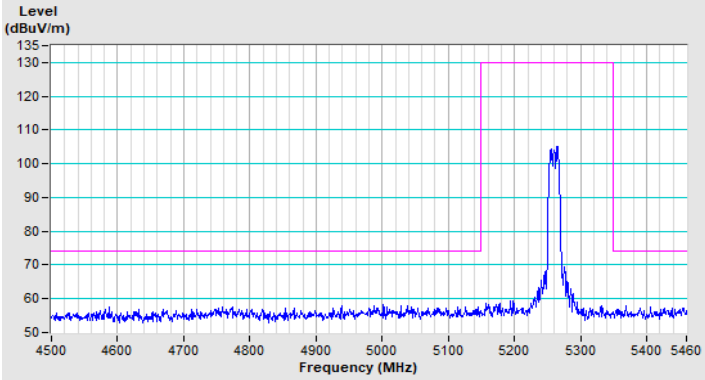
Vertical (Peak)



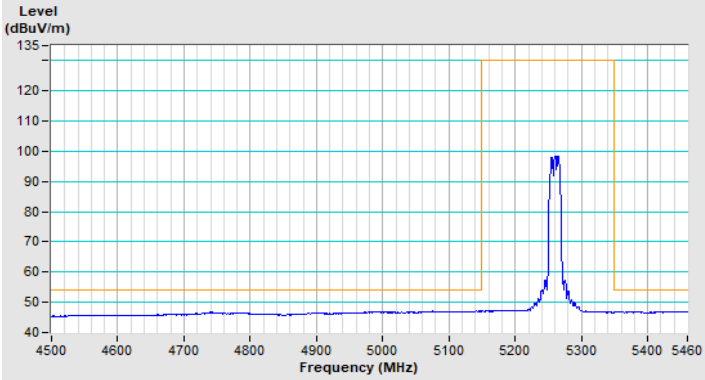
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

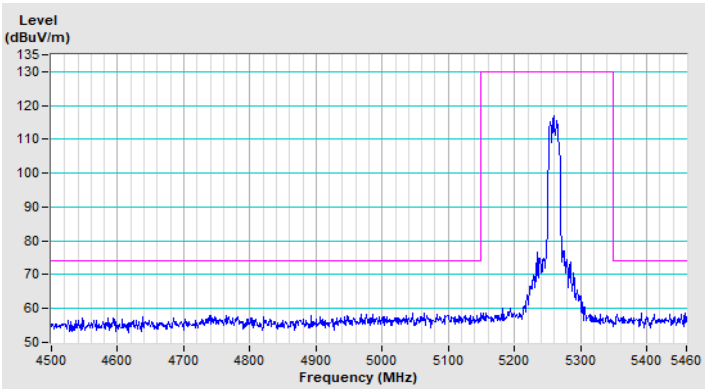
802.11a Channel 52



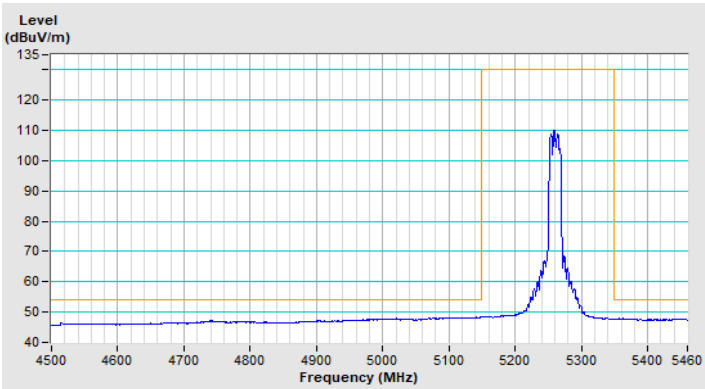
Horizontal (Peak)



Horizontal (Average)

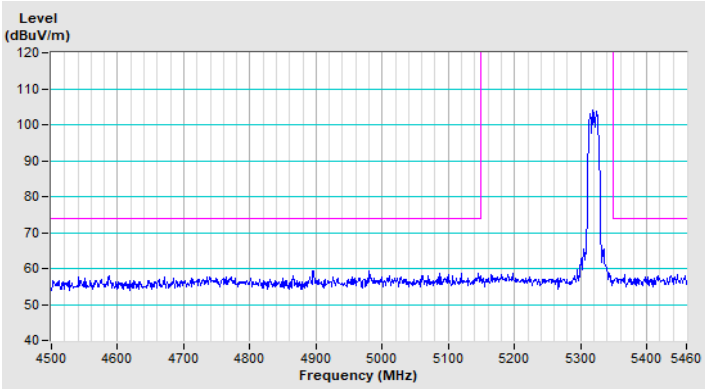


Vertical (Peak)

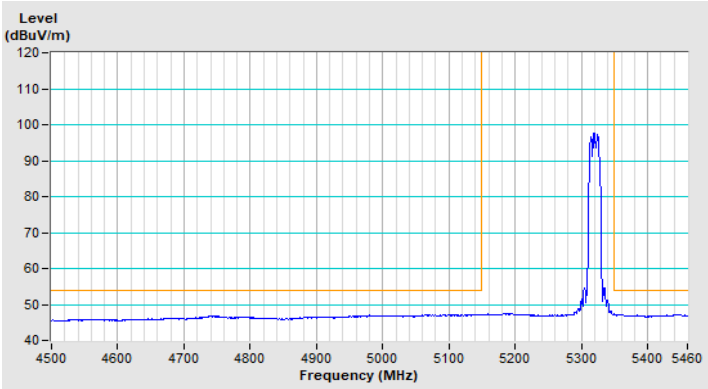


Vertical (Average)

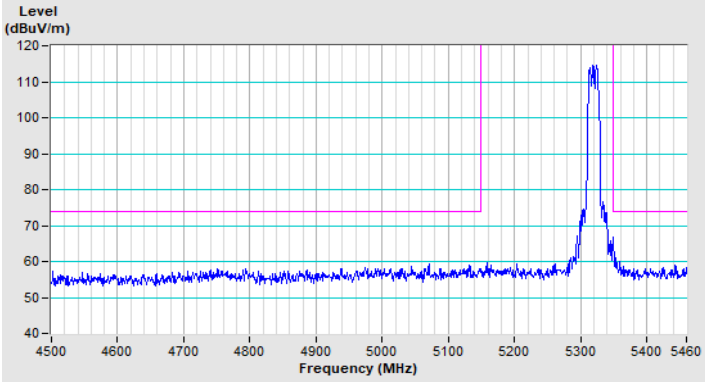
802.11a Channel 64



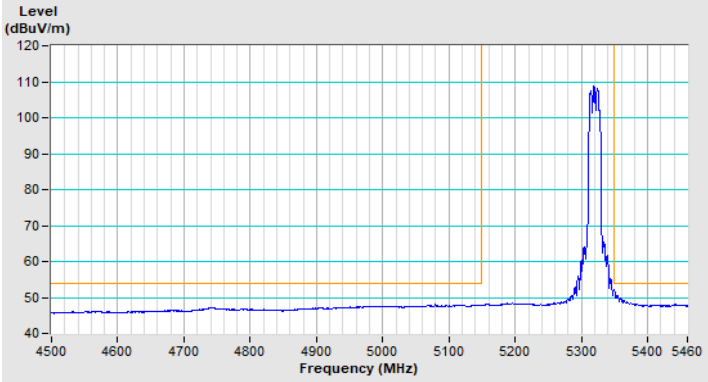
Horizontal (Peak)



Horizontal (Average)



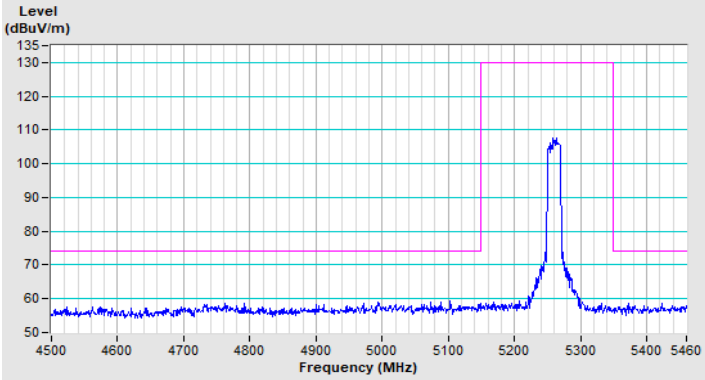
Vertical (Peak)



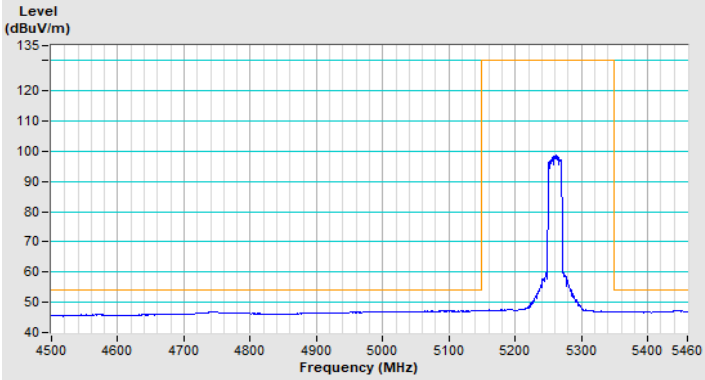
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

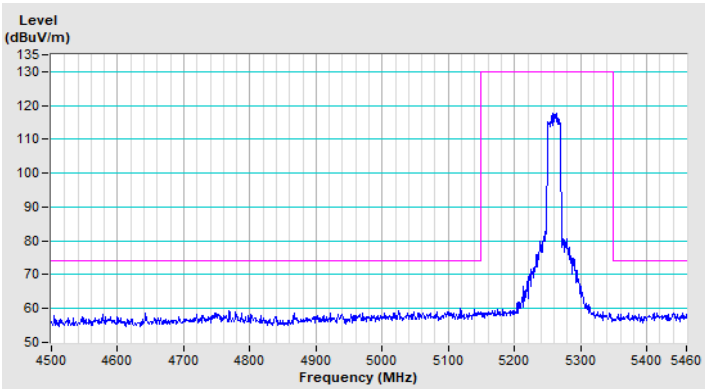
802.11be (EHT20) Channel 52



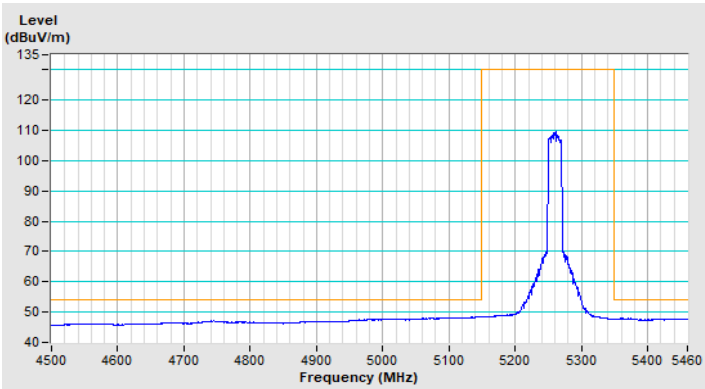
Horizontal (Peak)



Horizontal (Average)

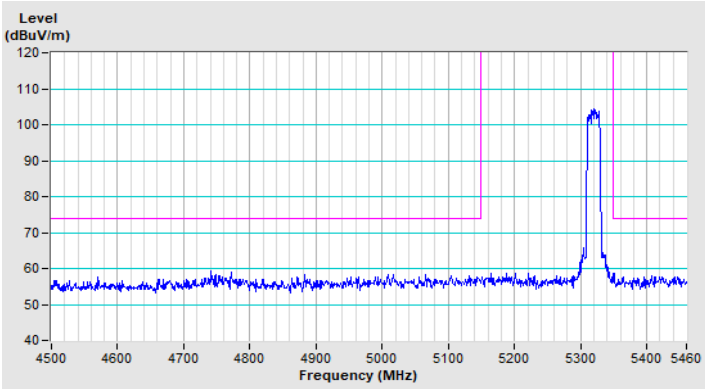


Vertical (Peak)

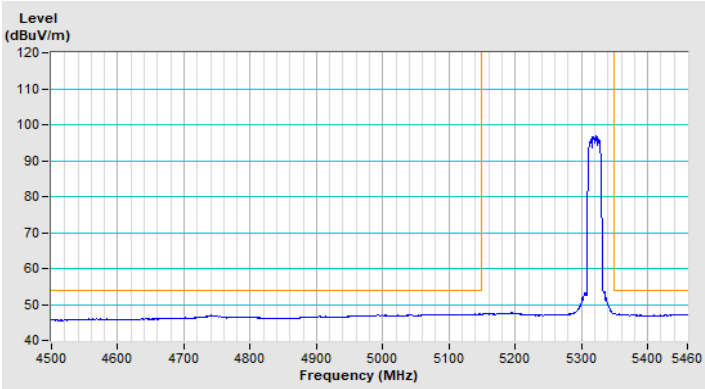


Vertical (Average)

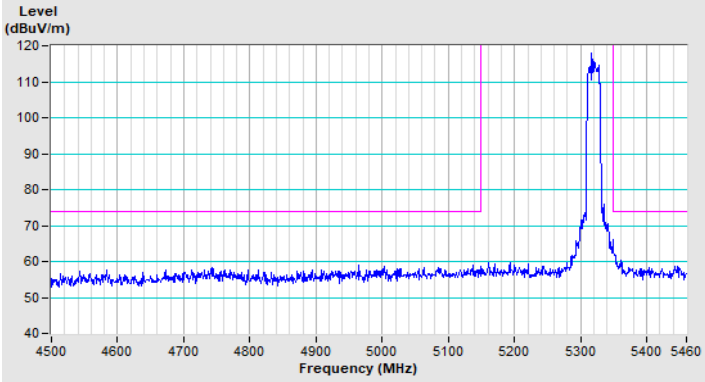
802.11be (EHT20) Channel 64



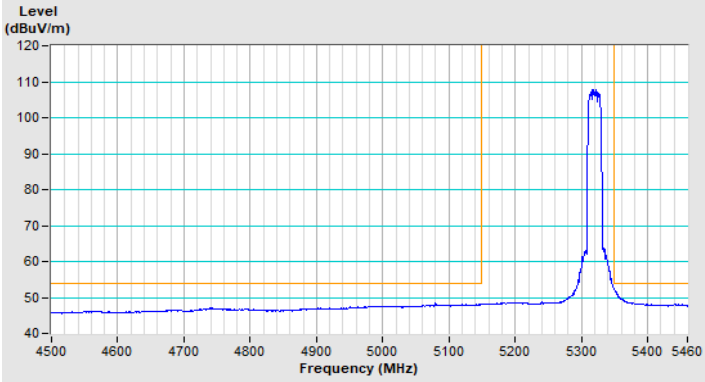
Horizontal (Peak)



Horizontal (Average)



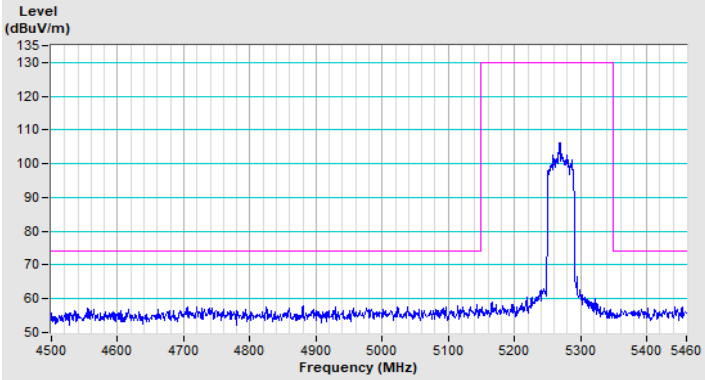
Vertical (Peak)



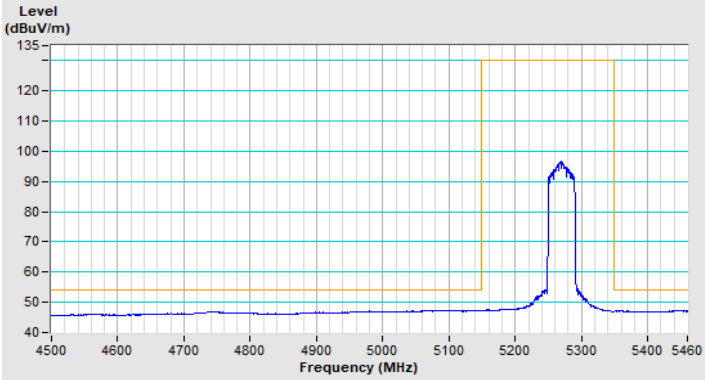
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

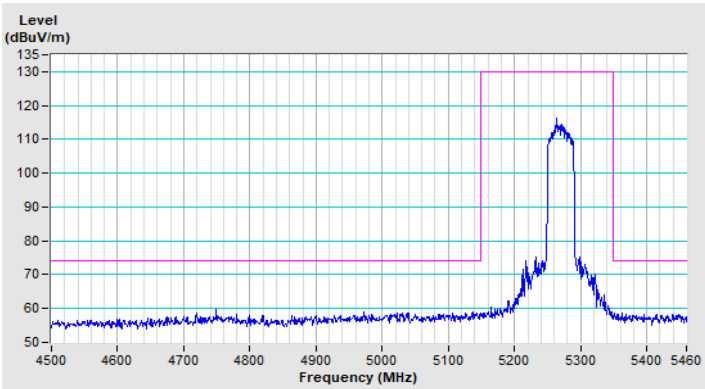
802.11be (EHT40) Channel 54



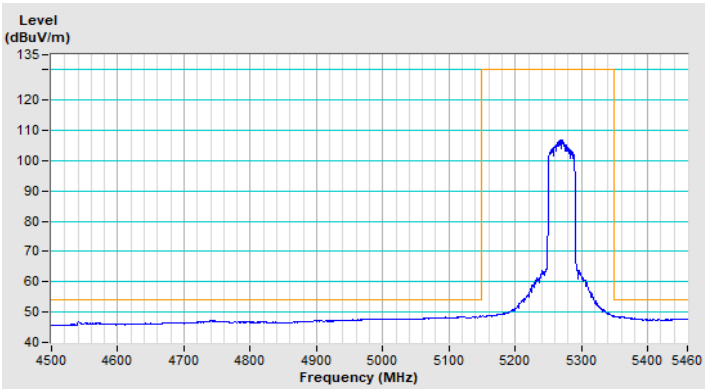
Horizontal (Peak)



Horizontal (Average)

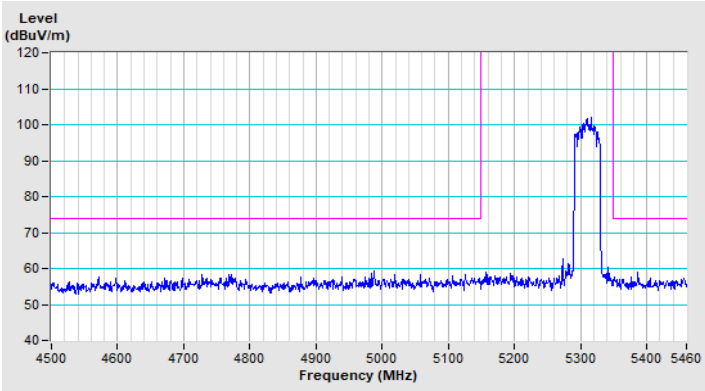


Vertical (Peak)

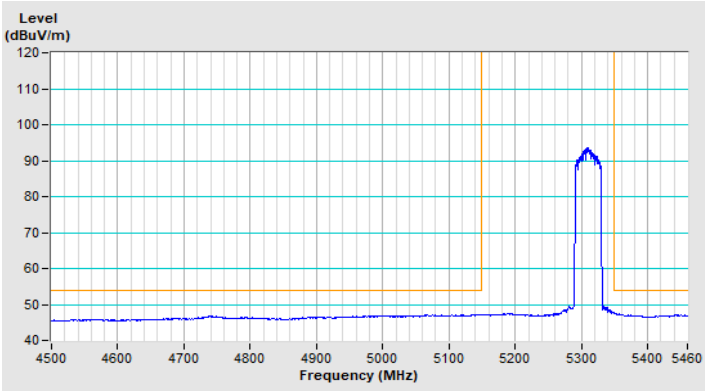


Vertical (Average)

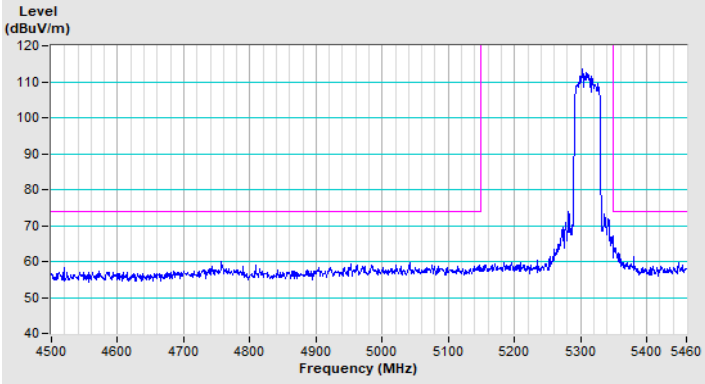
802.11be (EHT40) Channel 62



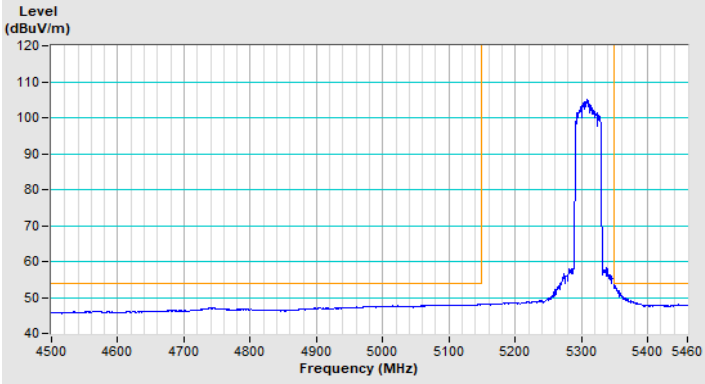
Horizontal (Peak)



Horizontal (Average)



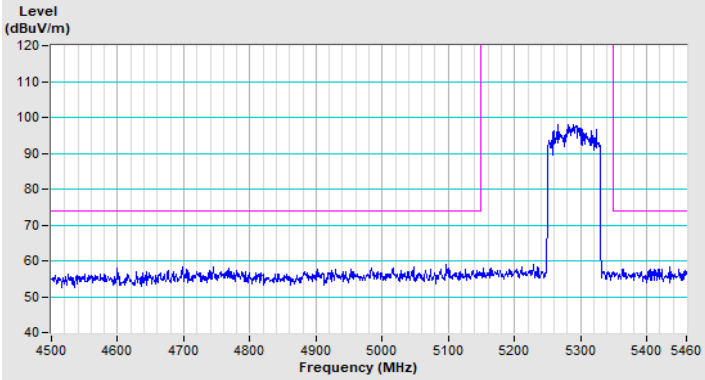
Vertical (Peak)



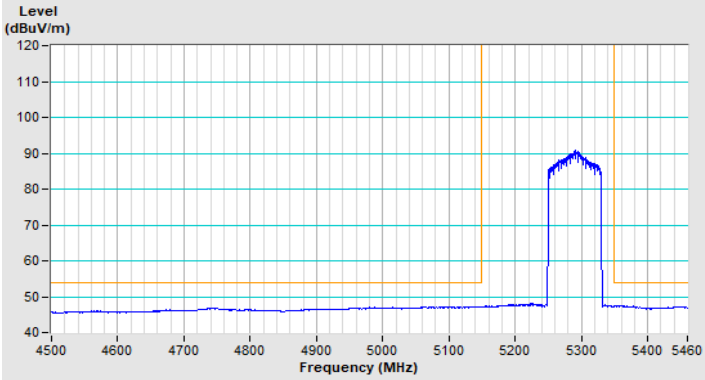
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

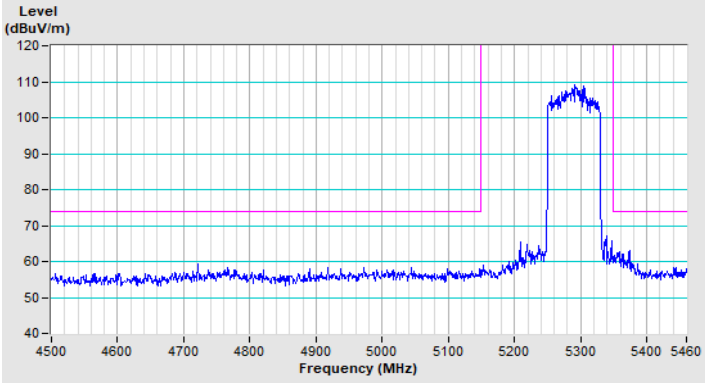
802.11be (EHT80) Channel 58



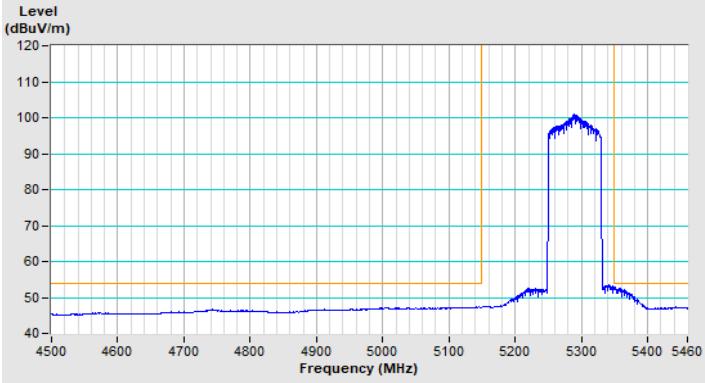
Horizontal (Peak)



Horizontal (Average)



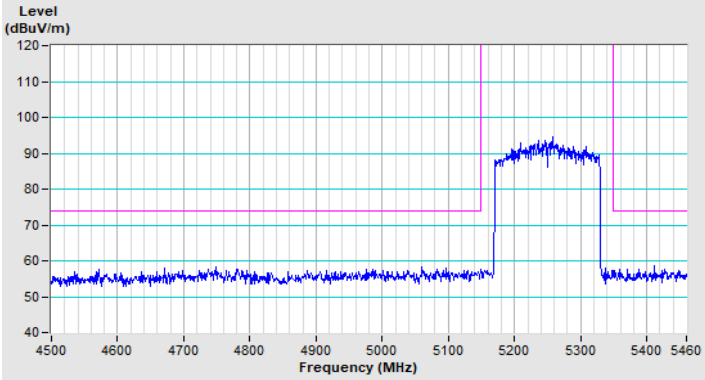
Vertical (Peak)



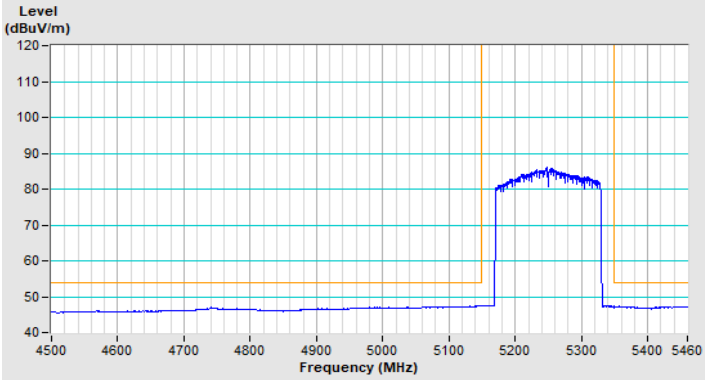
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

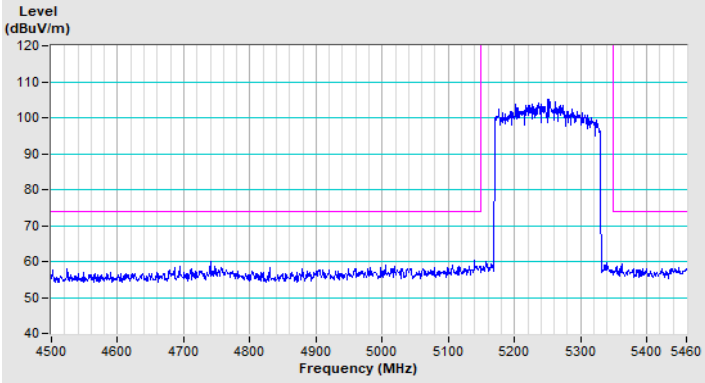
802.11be (EHT160) Channel 50



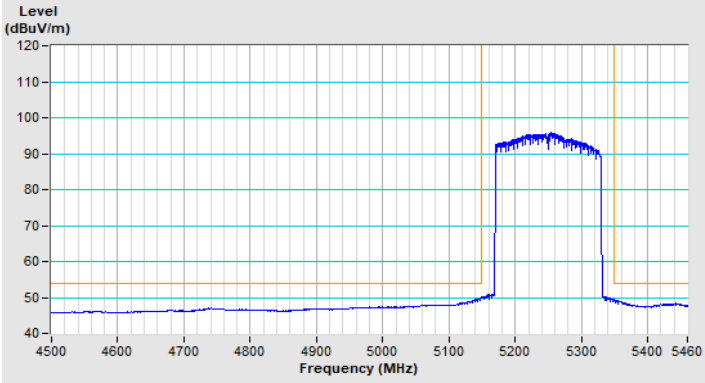
Horizontal (Peak)



Horizontal (Average)



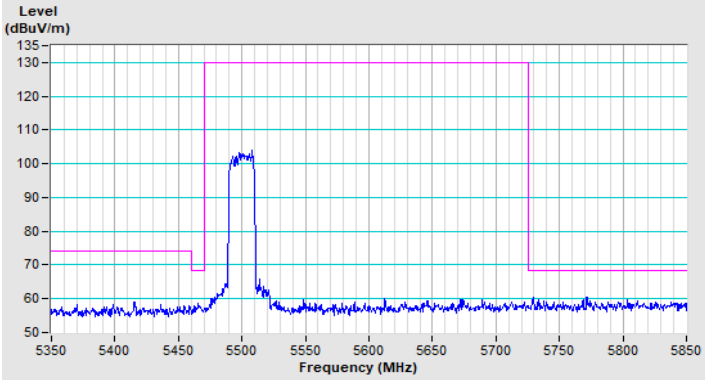
Vertical (Peak)



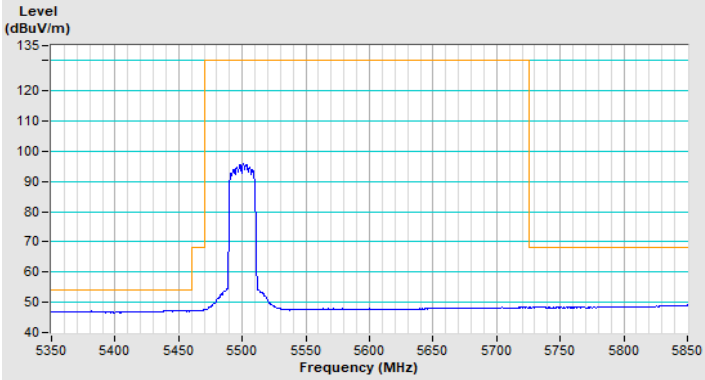
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

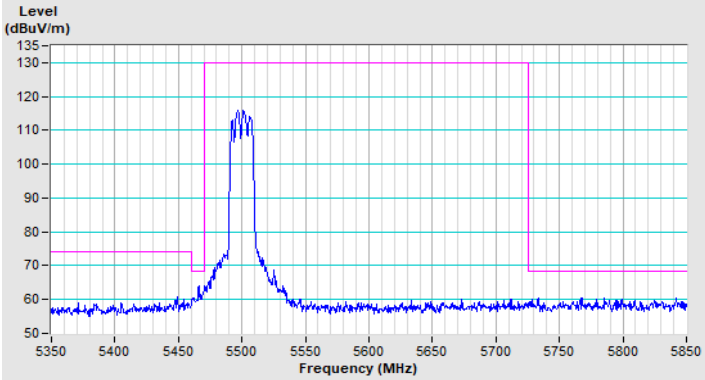
802.11a Channel 100



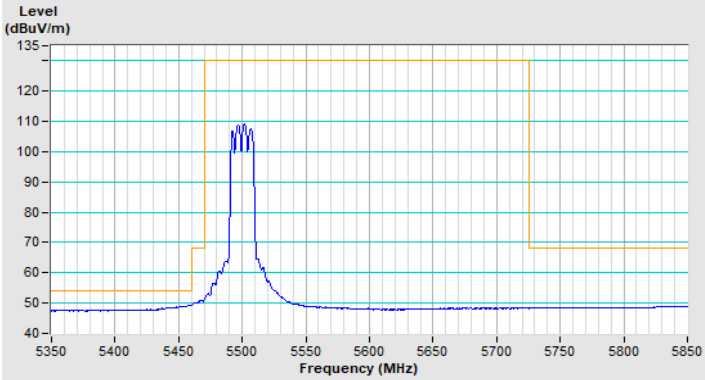
Horizontal (Peak)



Horizontal (Average)

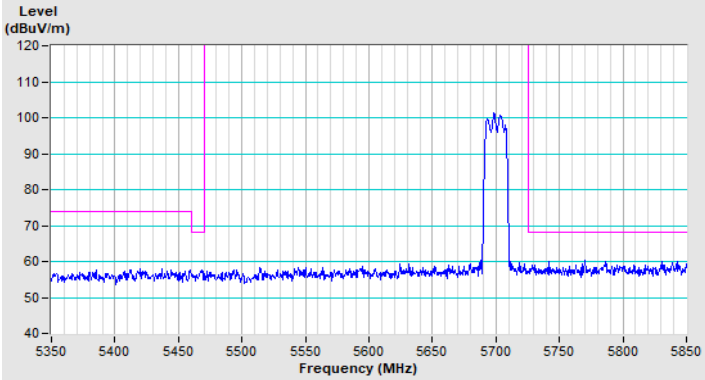


Vertical (Peak)

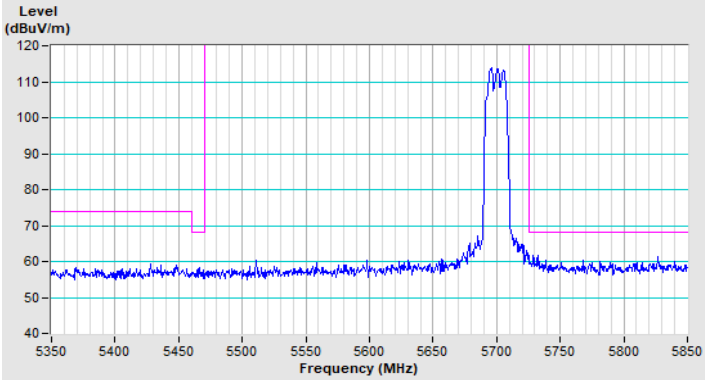


Vertical (Average)

802.11a Channel 140



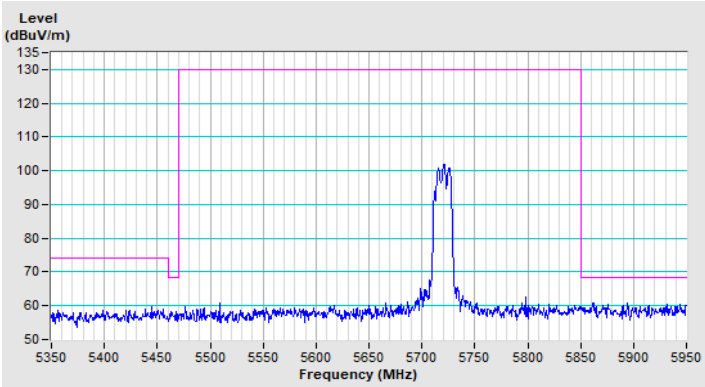
Horizontal (Peak)



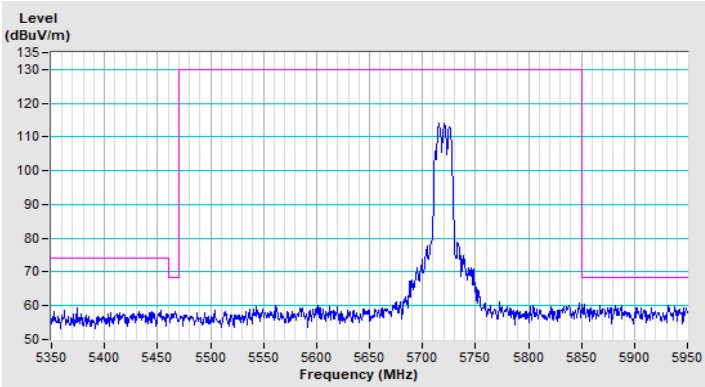
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11a Channel 144



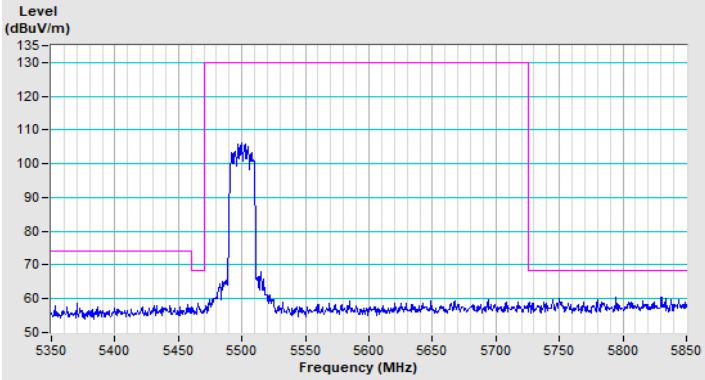
Horizontal (Peak)



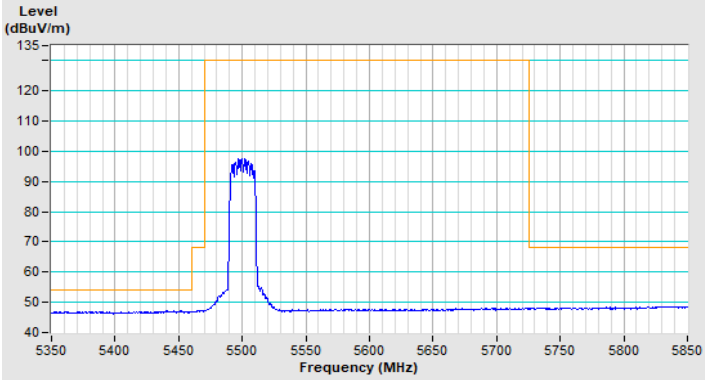
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

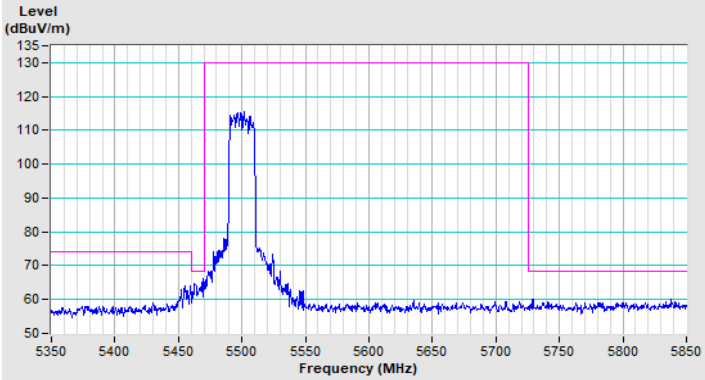
802.11be (EHT20) Channel 100



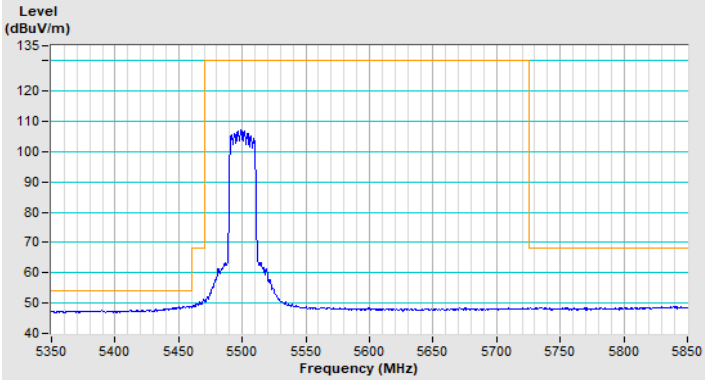
Horizontal (Peak)



Horizontal (Average)

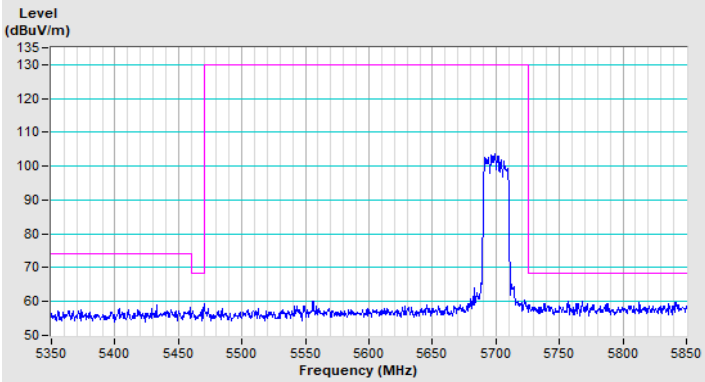


Vertical (Peak)

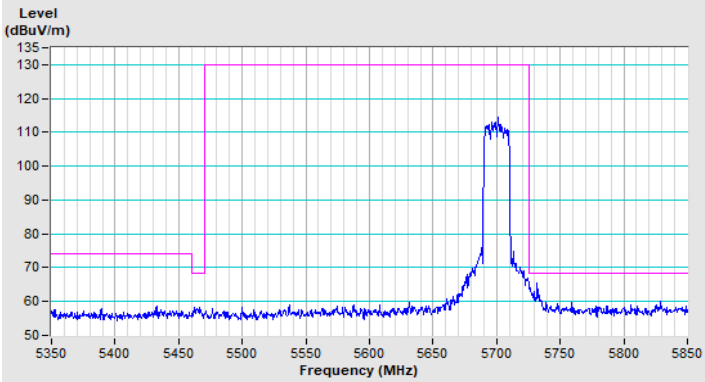


Vertical (Average)

802.11be (EHT20) Channel 140



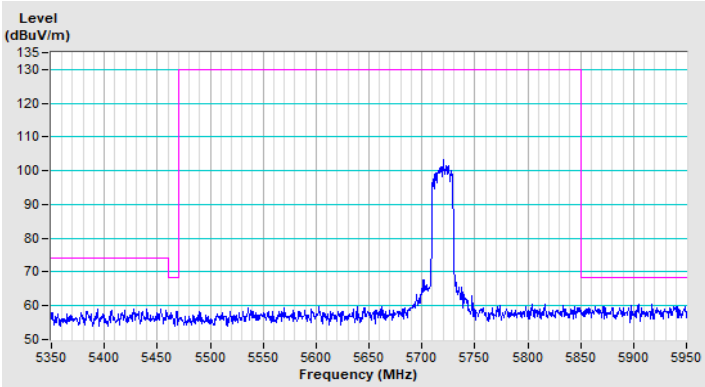
Horizontal (Peak)



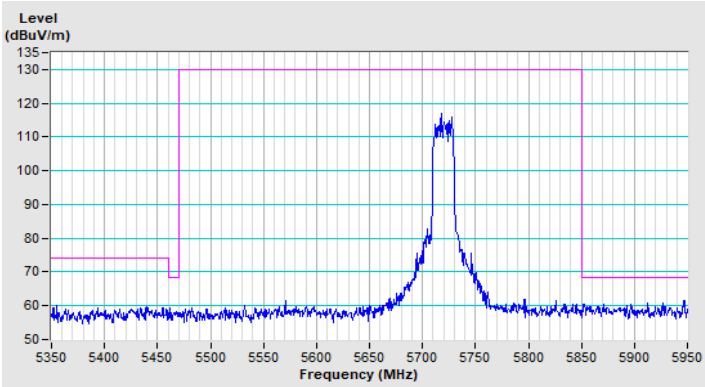
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT20) Channel 144



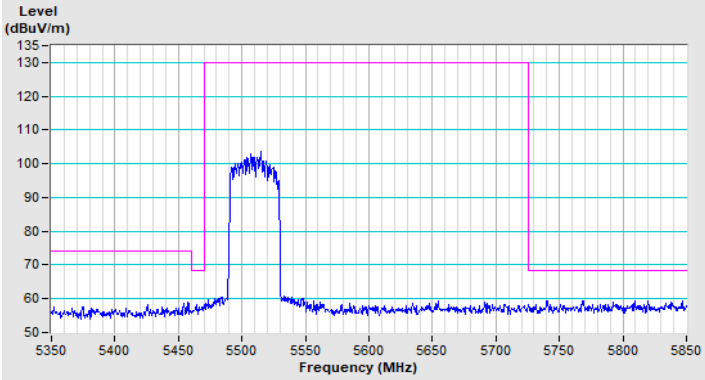
Horizontal (Peak)



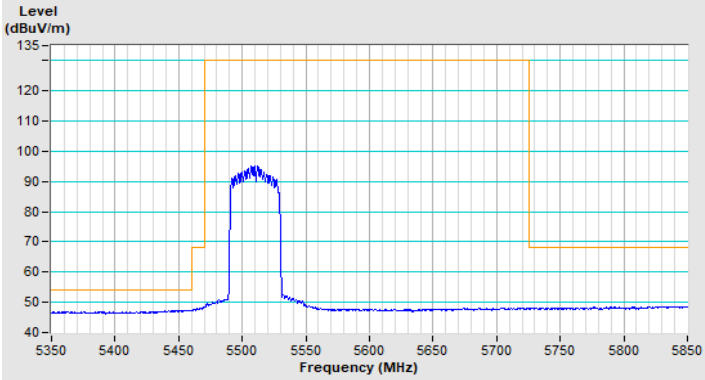
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

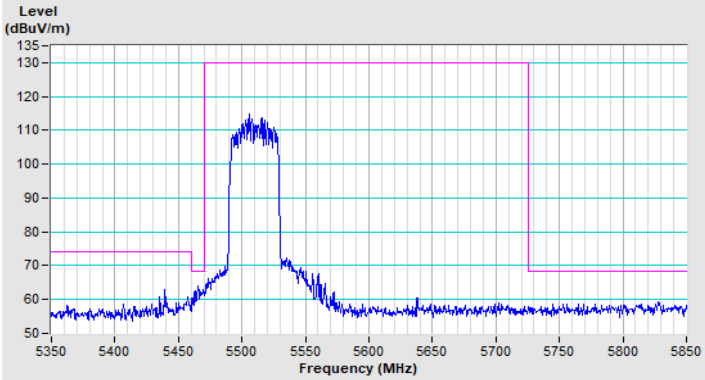
802.11be (EHT40) Channel 102



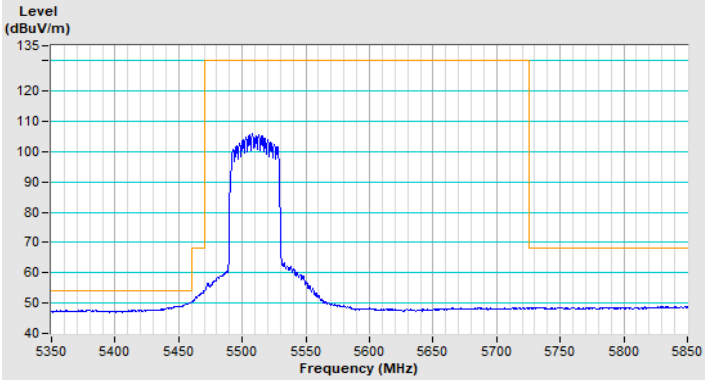
Horizontal (Peak)



Horizontal (Average)

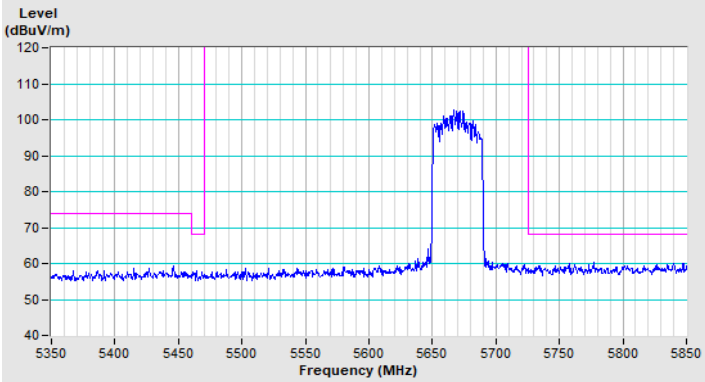


Vertical (Peak)

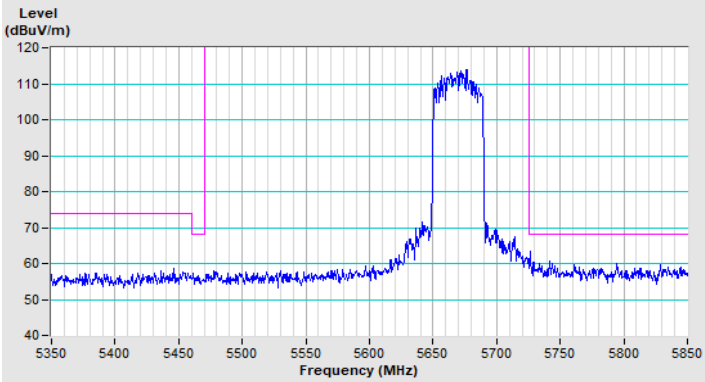


Vertical (Average)

802.11be (EHT40) Channel 134



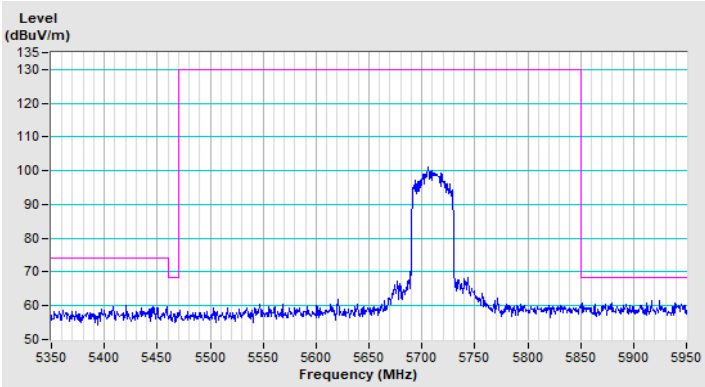
Horizontal (Peak)



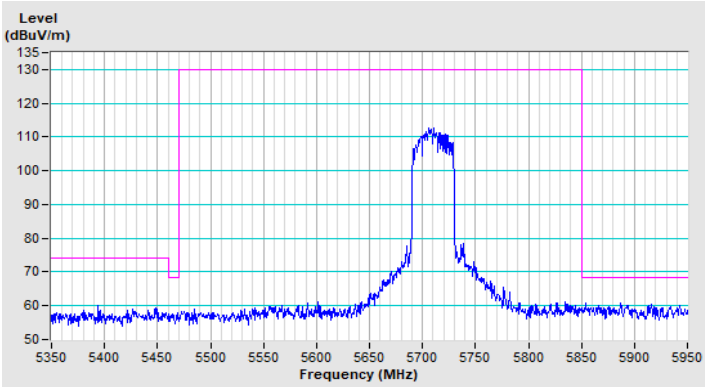
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT40) Channel 142



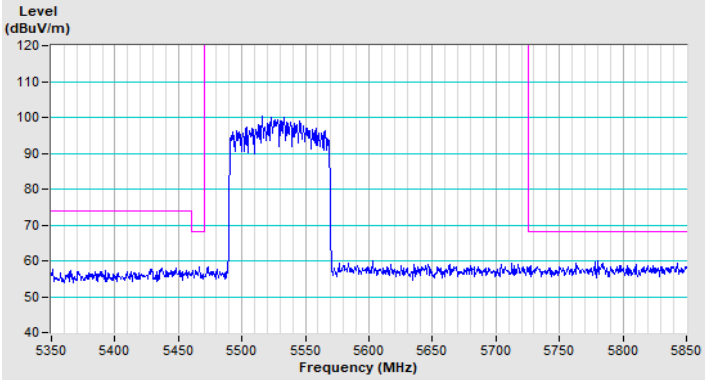
Horizontal (Peak)



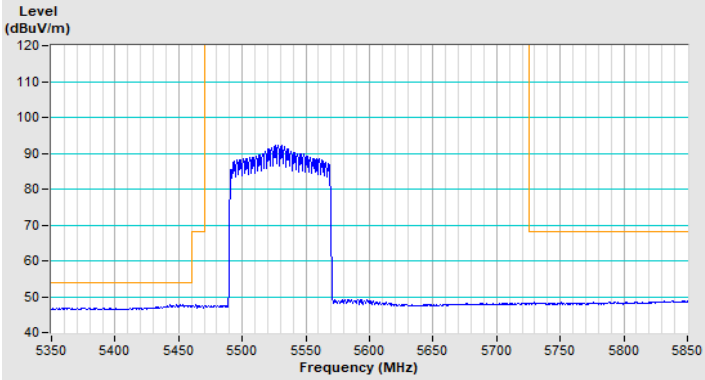
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

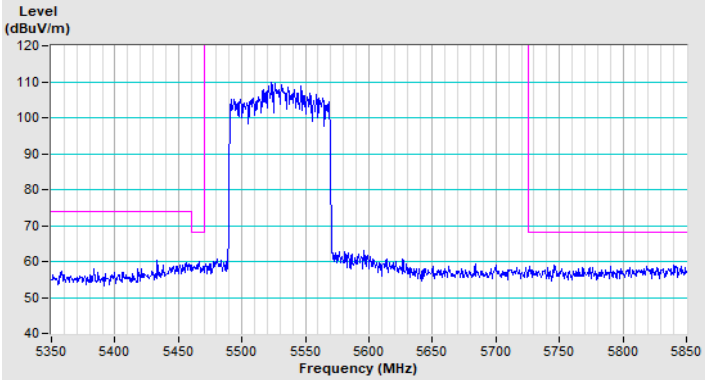
802.11be (EHT80) Channel 106



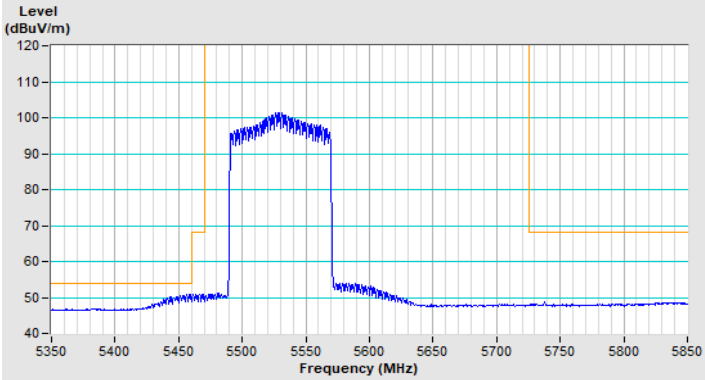
Horizontal (Peak)



Horizontal (Average)

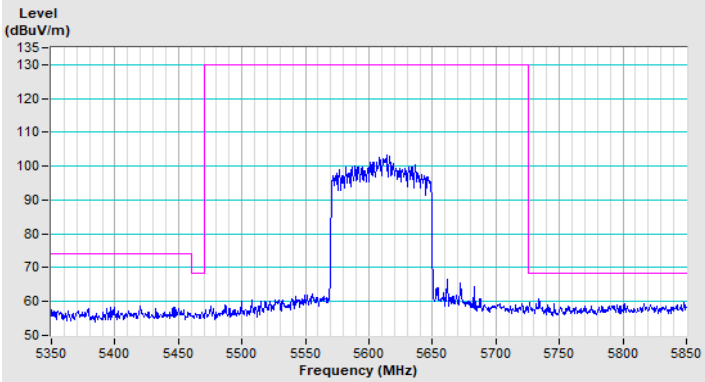


Vertical (Peak)

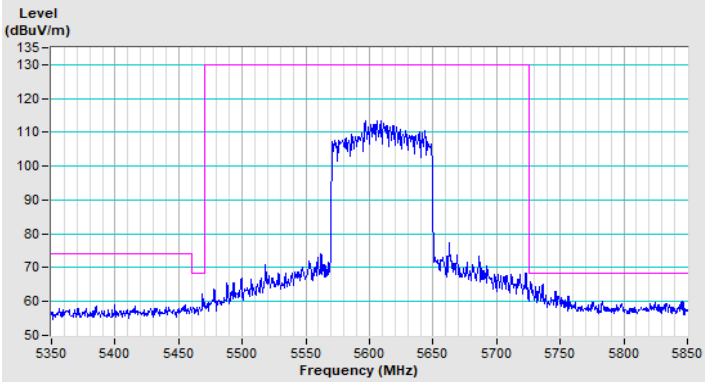


Vertical (Average)

802.11be (EHT80) Channel 122



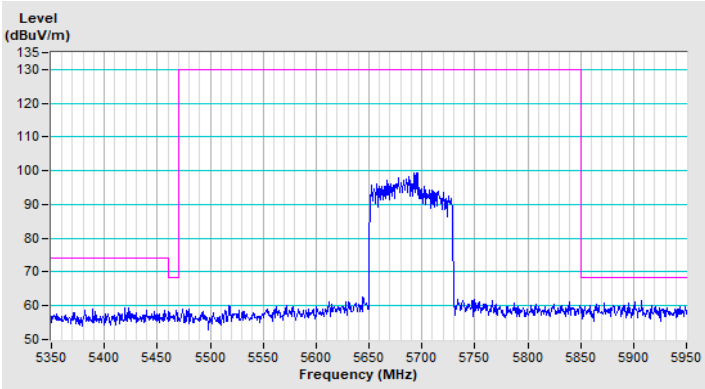
Horizontal (Peak)



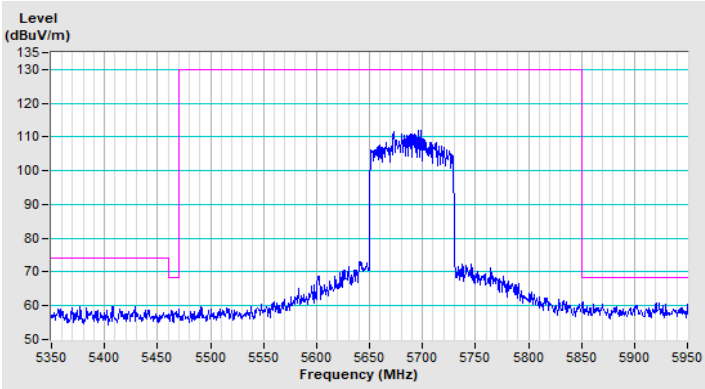
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT80) Channel 138



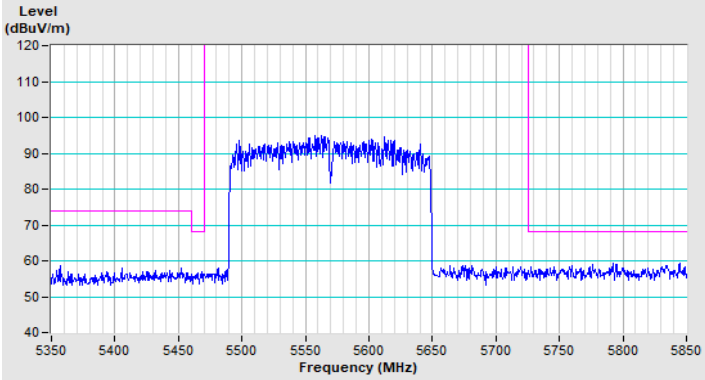
Horizontal (Peak)



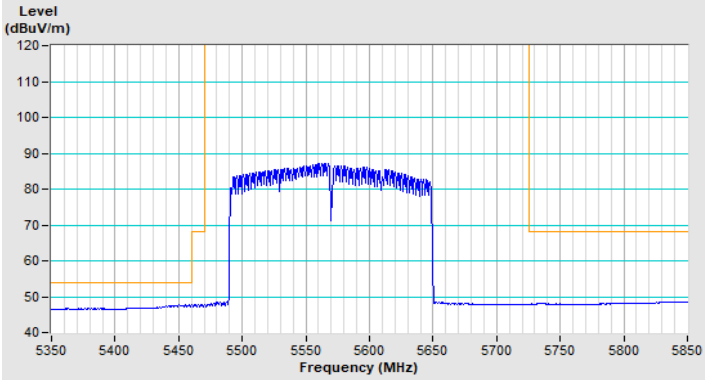
Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

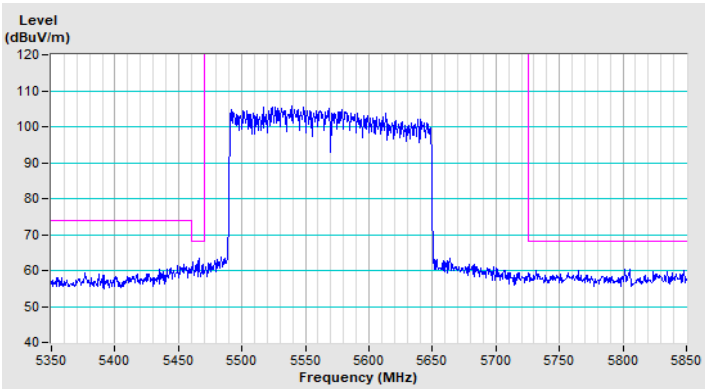
802.11be (EHT160) Channel 114



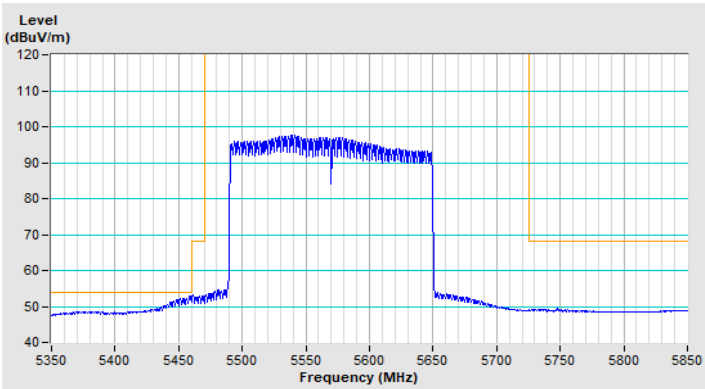
Horizontal (Peak)



Horizontal (Average)



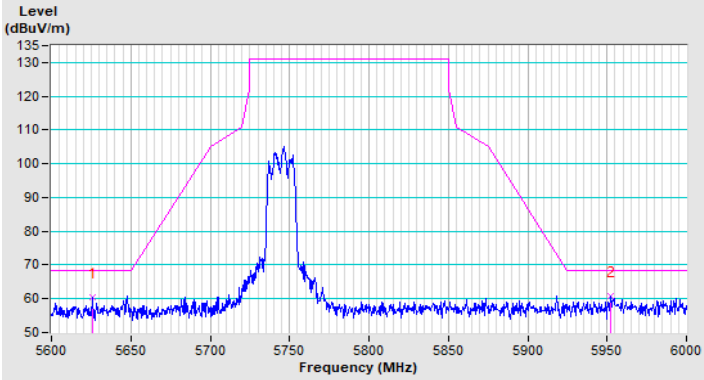
Vertical (Peak)



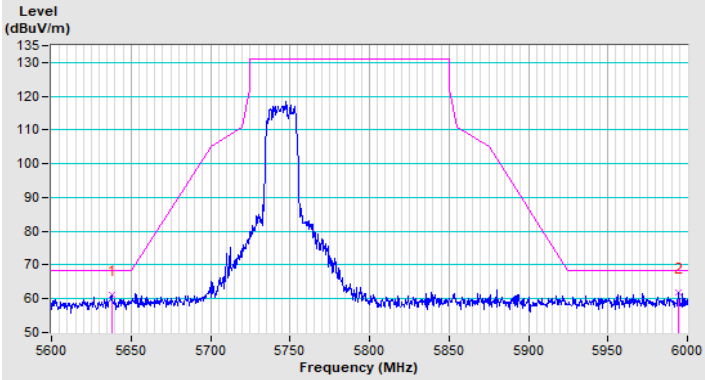
Vertical (Average)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11a Channel 149

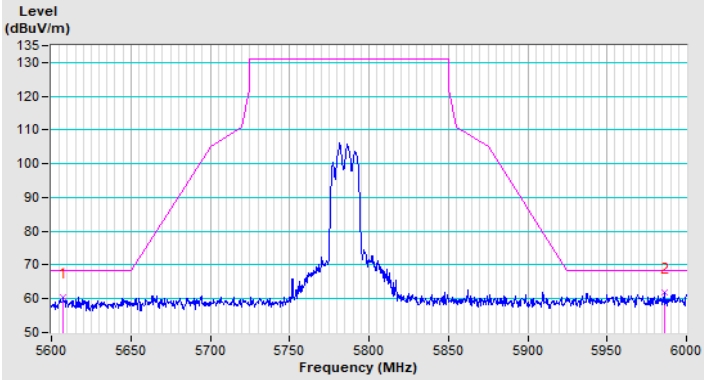


Horizontal (Peak)

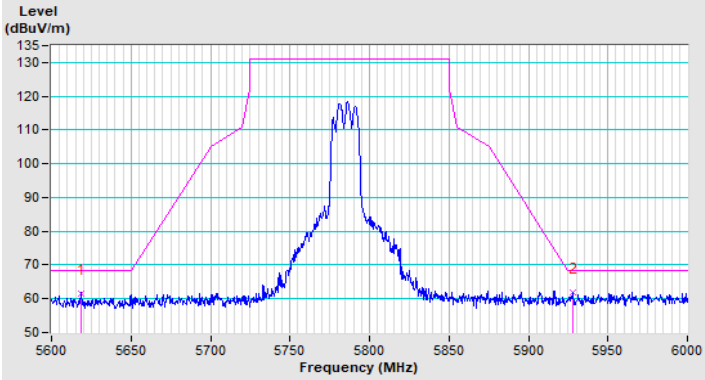


Vertical (Peak)

802.11a Channel 157

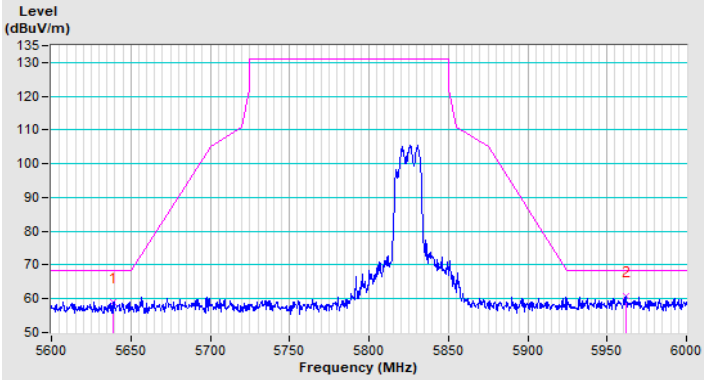


Horizontal (Peak)

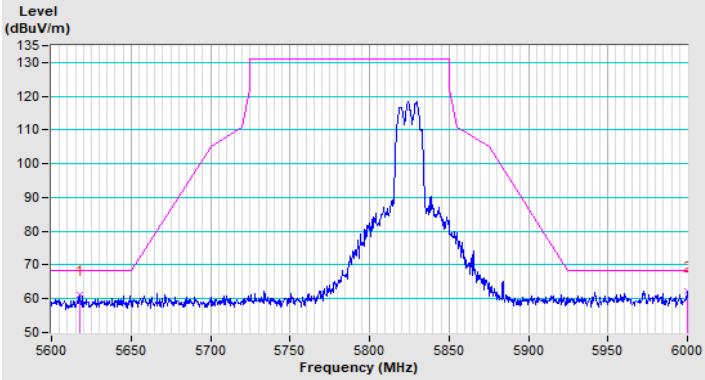


Vertical (Peak)

802.11a Channel 165



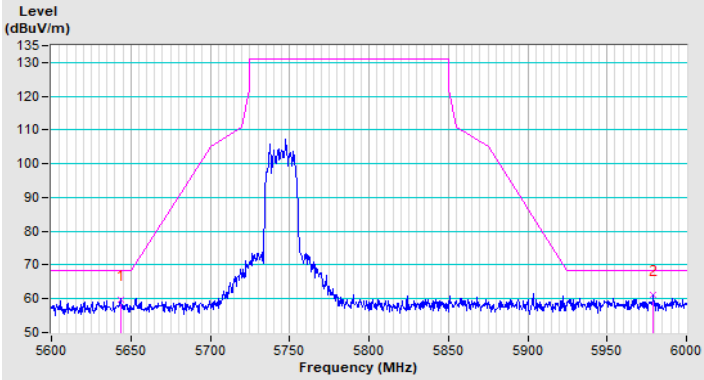
Horizontal (Peak)



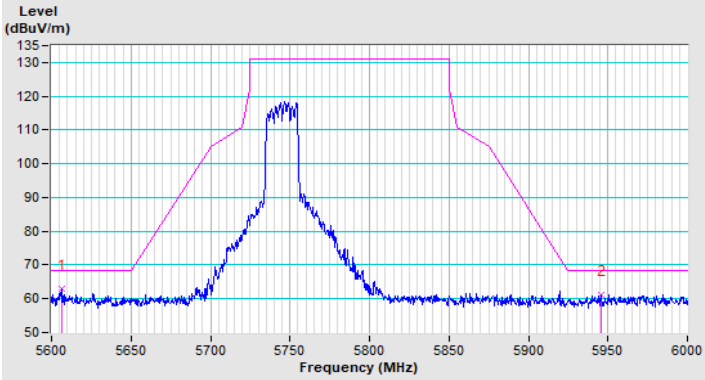
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT20) Channel 149

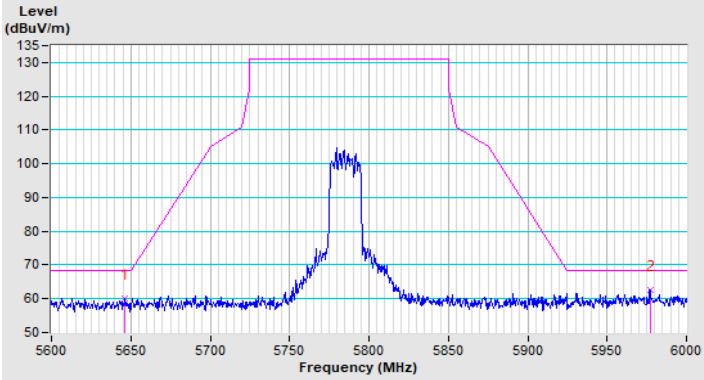


Horizontal (Peak)

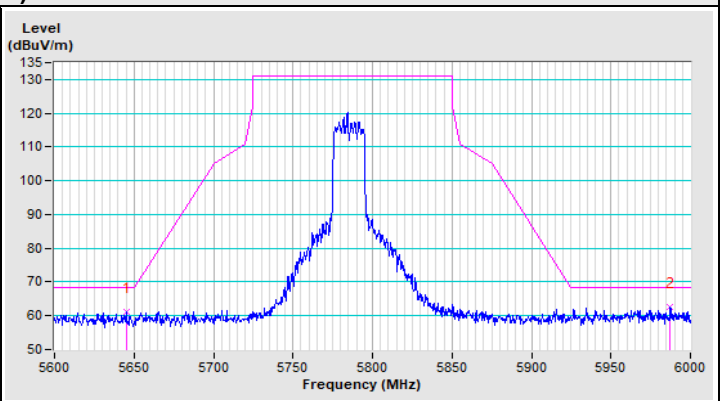


Vertical (Peak)

802.11be (EHT20) Channel 157

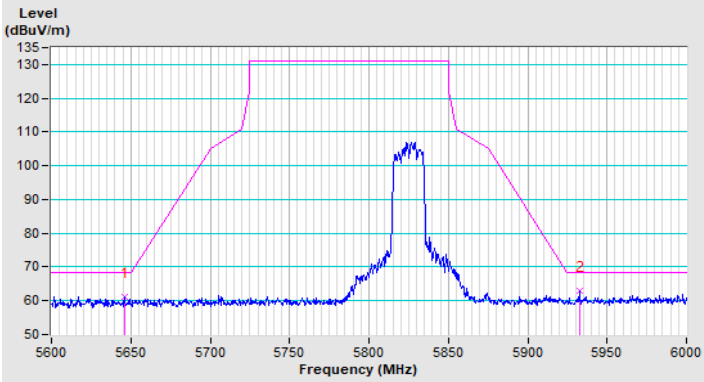


Horizontal (Peak)

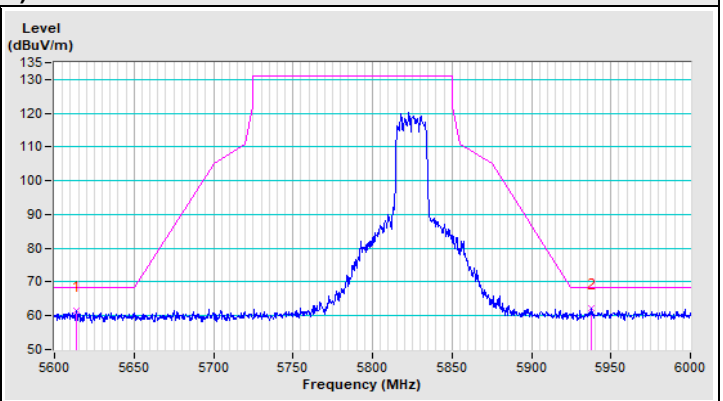


Vertical (Peak)

802.11be (EHT20) Channel 165



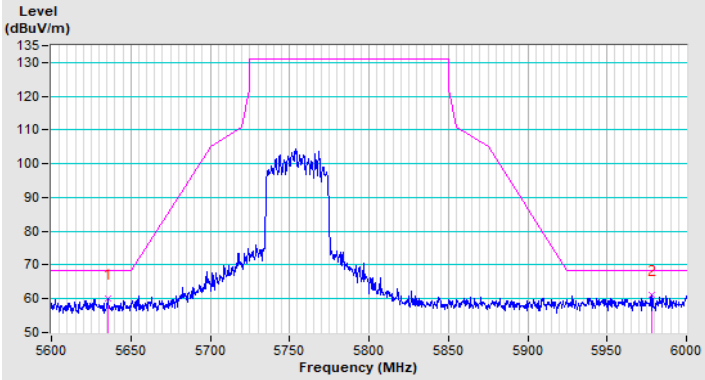
Horizontal (Peak)



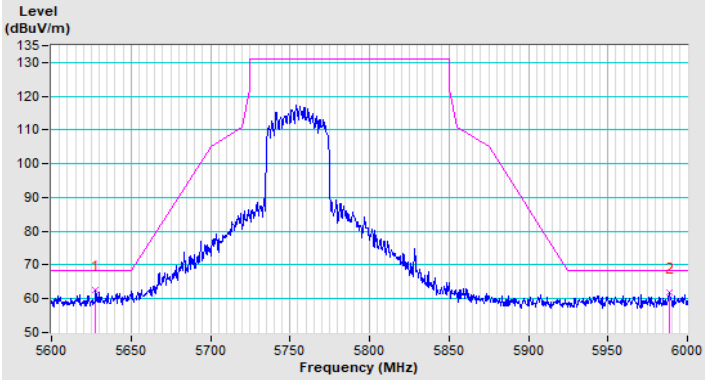
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT40) Channel 151

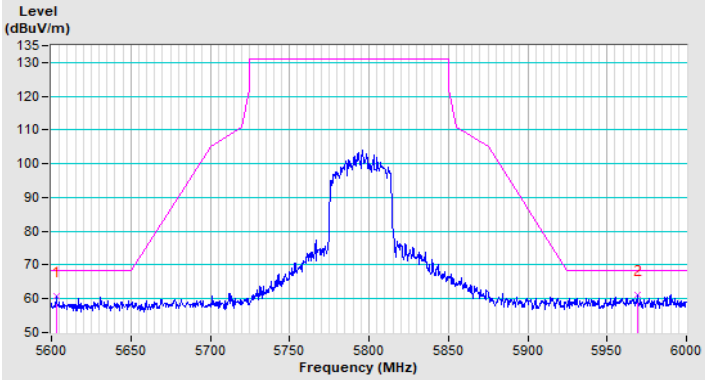


Horizontal (Peak)

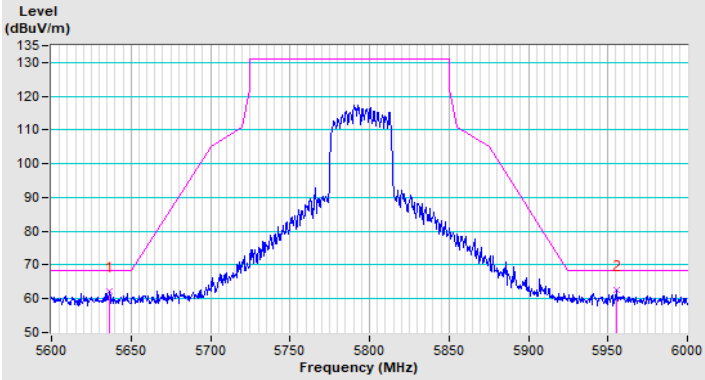


Vertical (Peak)

802.11be (EHT40) Channel 159



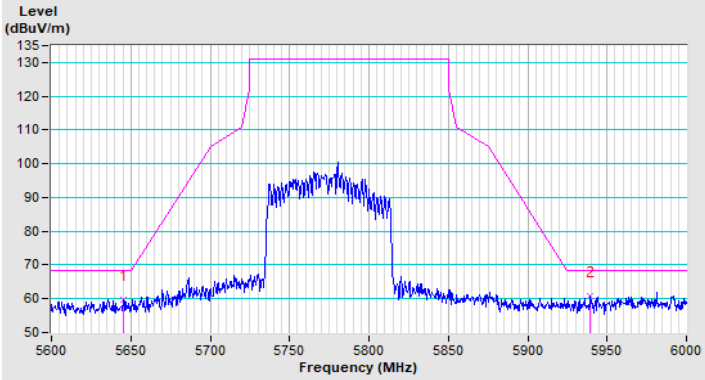
Horizontal (Peak)



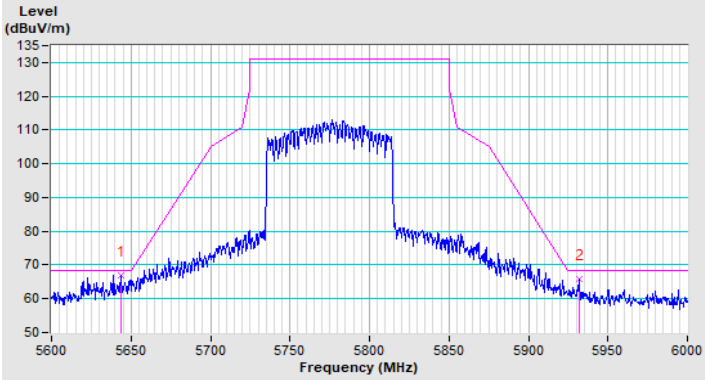
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak

802.11be (EHT80) Channel 155



Horizontal (Peak)



Vertical (Peak)

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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