

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBBQZ-WTW-P24090440-1
FCC ID: PY324300630
Product: BE5000 Wallplug Extender
Brand: NETGEAR
Model No.: EXS27
Received Date: 2024/9/20
Test Date: 2024/12/3 ~ 2025/4/15
Issued Date: 2025/4/29
Applicant: NETGEAR, INC.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
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FCC Registration / 788550 / TW0003
Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2025/4/29

Jeremy Lin / Project Engineer

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Prepared by : Lena Wang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P24090440-1	Original release.	2025/4/29

1 Certificate

Product: BE5000 Wallplug Extender

Brand: NETGEAR

Test Model: EXS27

Sample Status: Engineering sample

Applicant: NETGEAR, INC.

Test Date: 2024/12/3 ~ 2025/4/15

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Measurement ANSI C63.10-2013

procedure: 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 -3.57 dB at 0.42200 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.6 dB at 37.76 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 -0.2 dB at 5150.00 MHz and 5470.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is murata connector.

Notes:

- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- 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	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	BE5000 Wallplug Extender
Brand	NETGEAR
Test Model	EXS27
Status of EUT	Engineering sample
Power Supply Rating	100-240 Vac
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 4323 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 : 700.326 mW (28.45 dBm) 5.25 GHz ~ 5.32 GHz : 213.803 mW (23.3 dBm) 5.5 GHz ~ 5.72 GHz : 215.816 mW (23.34 dBm) 5.745 GHz ~ 5.825 GHz : 849.94 mW (29.29 dBm)
EUT Category	Indoor Access Point

Note:

1. There are WLAN (2.4 GHz & 5 GHz & 5.9 GHz) technology used for the EUT.
2. Simultaneously transmission combination.

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

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

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 Type	PIFA
Connector Type	murata connector
Antenna Gain	Directional Gain (dBi)
2400~2483.5 MHz	5.07
5150~5250 MHz	6.03
5250~5350 MHz	6.08
5470~5725 MHz	6.17
5725~5850 MHz	6.15

*The detailed antenna information, please refer to the BV CPS Directional Gain Measurement Report no.: RFBBQZ-WTW-P24090440-5.

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	3TX	3RX
802.11n (HT20)	3TX	3RX
802.11n (HT40)	3TX	3RX
802.11ac (VHT20)	3TX	3RX
802.11ac (VHT40)	3TX	3RX
802.11ac (VHT80)	3TX	3RX
802.11ac (VHT160)	3TX	3RX
802.11ax (HE20)	3TX	3RX
802.11ax (HE40)	3TX	3RX
802.11ax (HE80)	3TX	3RX
802.11ax (HE160)	3TX	3RX
802.11be (EHT20)	3TX	3RX
802.11be (EHT40)	3TX	3RX
802.11be (EHT80)	3TX	3RX
802.11be (EHT160)	3TX	3RX

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 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. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis

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)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)	CDD	58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)	CDD	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)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD & Beamforming	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)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD	144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
	802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
AC Power Conducted Emissions	802.11be (EHT20)	CDD	157	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT20)	CDD	157	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)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11be (EHT160)	CDD	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

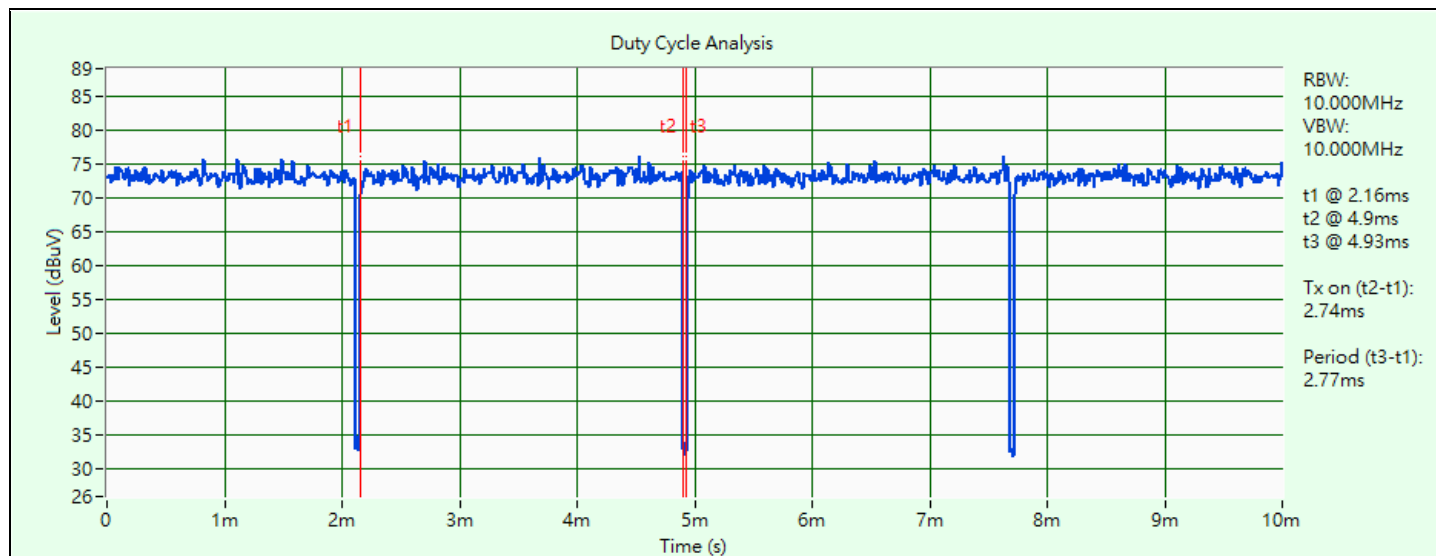
802.11a: Duty cycle = 2.74 ms / 2.77 ms x 100% = 98.9%

802.11be (EHT20): Duty cycle = 4.11 ms / 4.14 ms x 100% = 99.3%

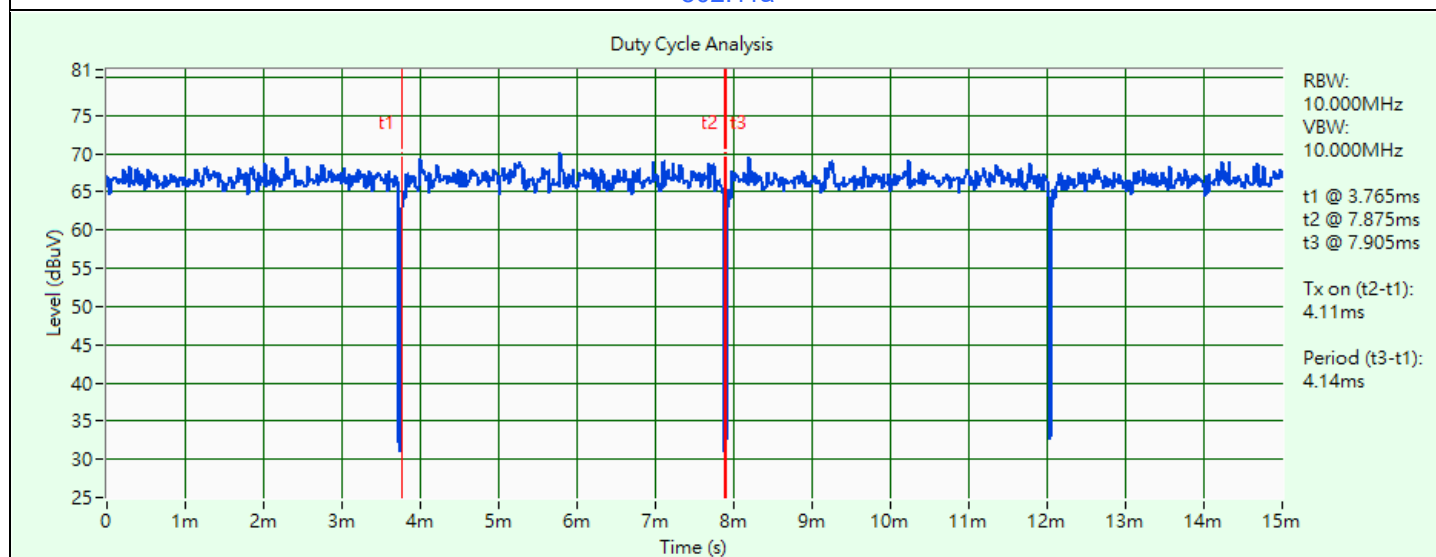
802.11be (EHT40): Duty cycle = 5.4 ms / 5.42 ms x 100% = 99.6%

802.11be (EHT80): Duty cycle = 5.385 ms / 5.415 ms x 100% = 99.4%

802.11be (EHT160): Duty cycle = 5.4 ms / 5.415 ms x 100% = 99.7%

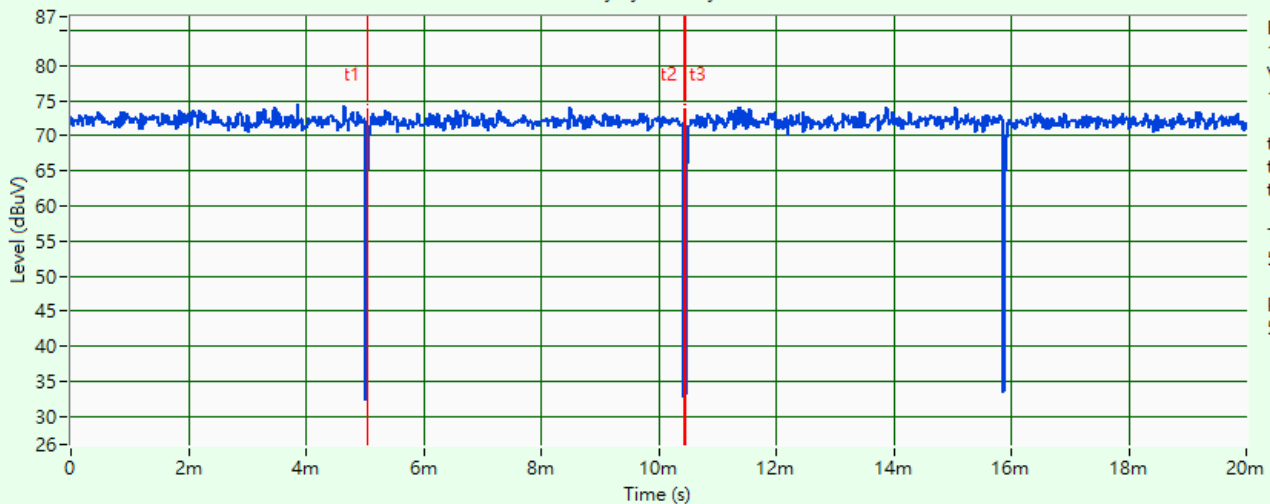


802.11a



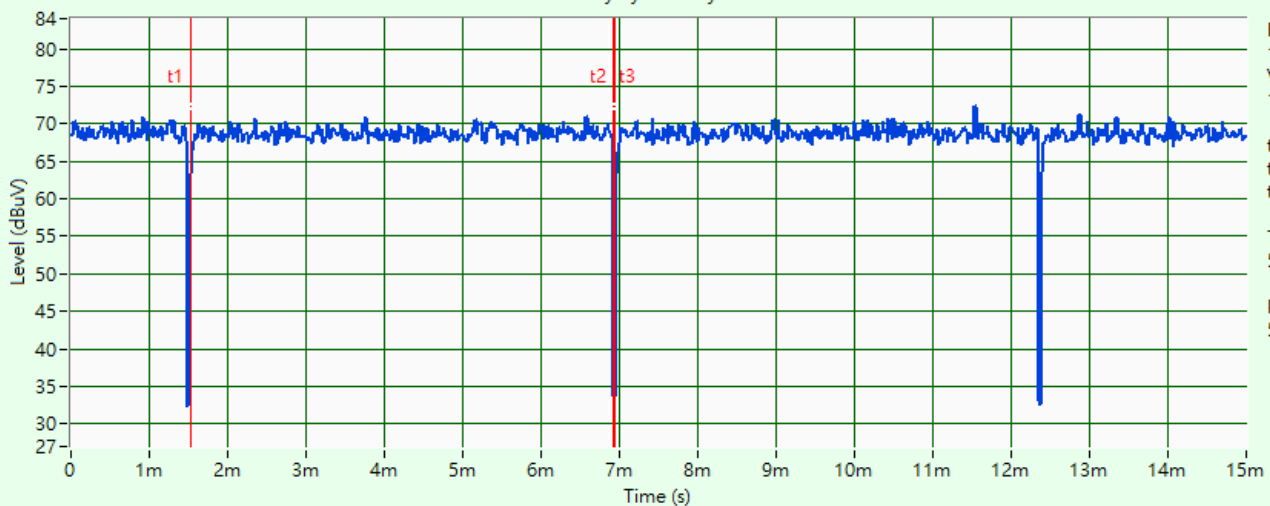
802.11be (EHT20)

Duty Cycle Analysis



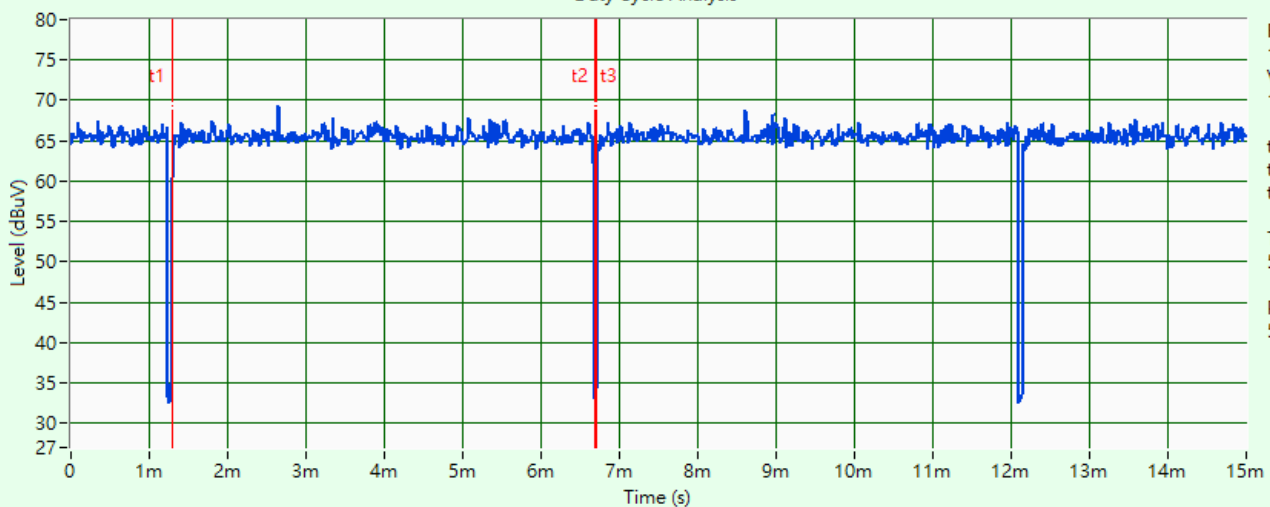
802.11be (EHT40)

Duty Cycle Analysis



802.11be (EHT80)

Duty Cycle Analysis

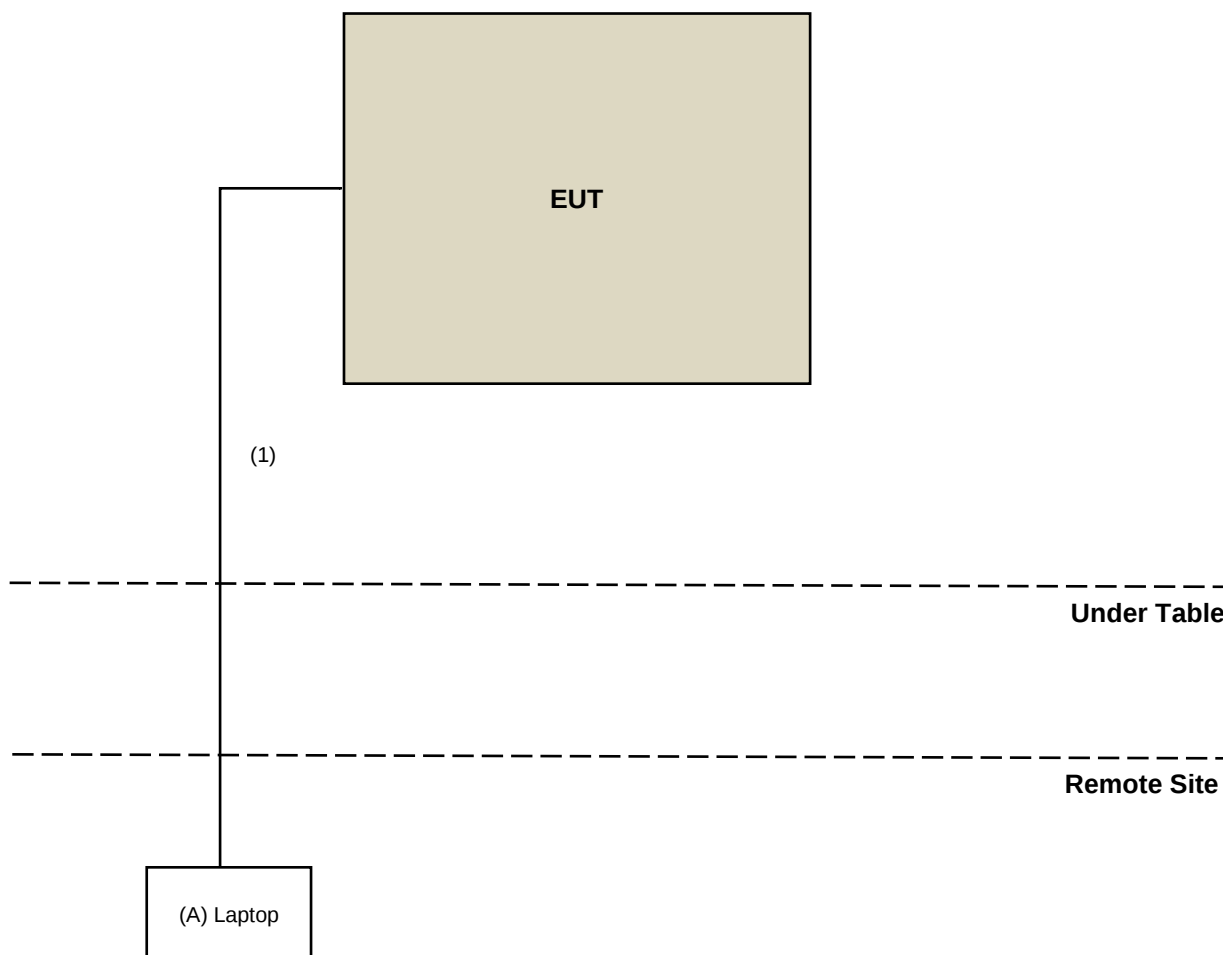


802.11be (EHT160)

3.6 Test Program Used and Operation Descriptions

Controlling software MT7991 QA 0.0.2.106 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	Laptop	DELL	E5430	2RL3YW1	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	N	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	101504	2024/6/18	2025/6/17
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: 2025/4/7 ~ 2025/4/8

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000538	2024/4/29	2025/4/28
Signal & Spectrum Analyzer R&S	FSV3044	101504	2024/6/18	2025/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58200003	2024/6/17	2025/6/16

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/4/7 ~ 2025/4/8

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	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
EMI Test Receiver R&S	ESCI	100613	2024/11/25	2025/11/24
Fixed Attenuator Mini-Circuits	HAT-10+	PAD-COND1-01	2025/1/5	2026/1/4
LISN R&S	ENV216	101826	2025/3/24	2026/3/23
	ESH3-Z5	100311	2024/9/5	2025/9/4
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2025/1/5	2026/1/4
Software BVADT	BVADT_Conf_ 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 1.
2. Tested Date: 2025/4/15

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2024/10/14	2025/10/13
EMI Test Receiver R&S	ESR3	102782	2024/12/10	2025/12/9
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
Preamplifier Agilent	8447D	2944A10631	2024/5/1	2025/4/30
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2024/7/6	2025/7/5
Signal & Spectrum Analyzer R&S	FSV3044	101105	2025/2/25	2026/2/24
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2025/4/14

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2023/12/7 2024/12/10	2024/12/6 2025/12/9
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2024/11/10	2025/11/9
	BBHA 9170	9170-480	2024/11/10	2025/11/9
		BBHA9170241	2024/10/18	2025/10/17
		BBHA9170243	2024/11/10	2025/11/9
Preamplifier EMCI	EMC 184045	980116	2024/9/24	2025/9/23
Preamplifier Keysight	83017A	MY53270295	2024/5/1	2025/4/30
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2024/7/6	2025/7/5
	EMC102-KM-KM-3000	150929	2024/7/6	2025/7/5
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2024/5/1	2025/4/30
		MY 13380+295012/04	2024/5/1	2025/4/30
Signal & Spectrum Analyzer R&S	FSV3044	101105	2024/2/27 2025/2/25	2025/2/26 2026/2/24
	FSW43	101582	2024/4/12	2025/4/11
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/12/3 ~ 2025/2/26

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 $\leq$ 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: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	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.

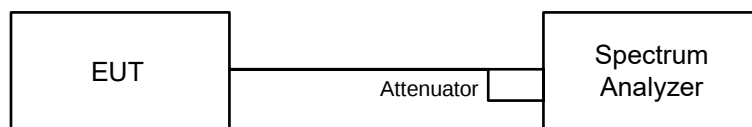
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

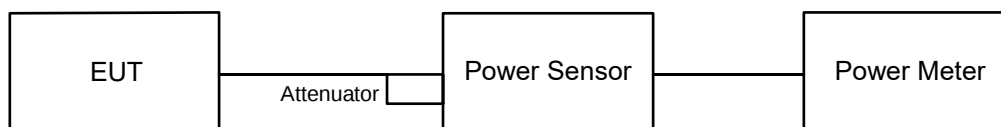


6.1.2 Test Procedure

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- 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:

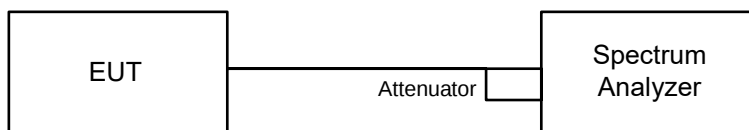
Method SA-1

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

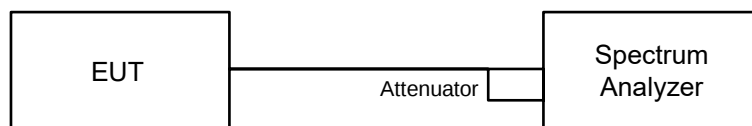
For specified measurement bandwidth 500 kHz:

Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
- 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 $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

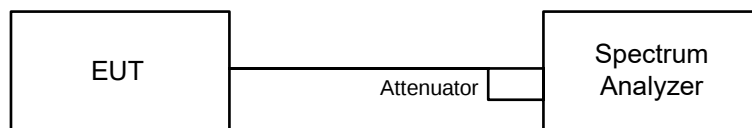


6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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

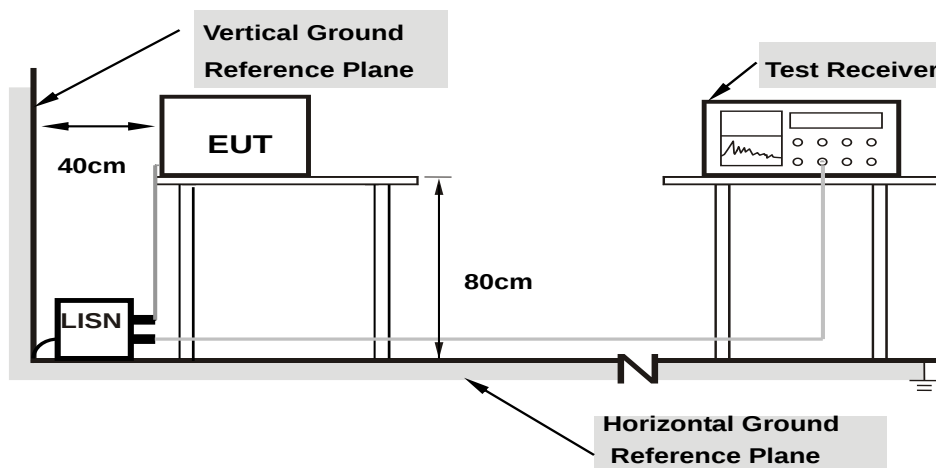


6.5.2 Test Procedure

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

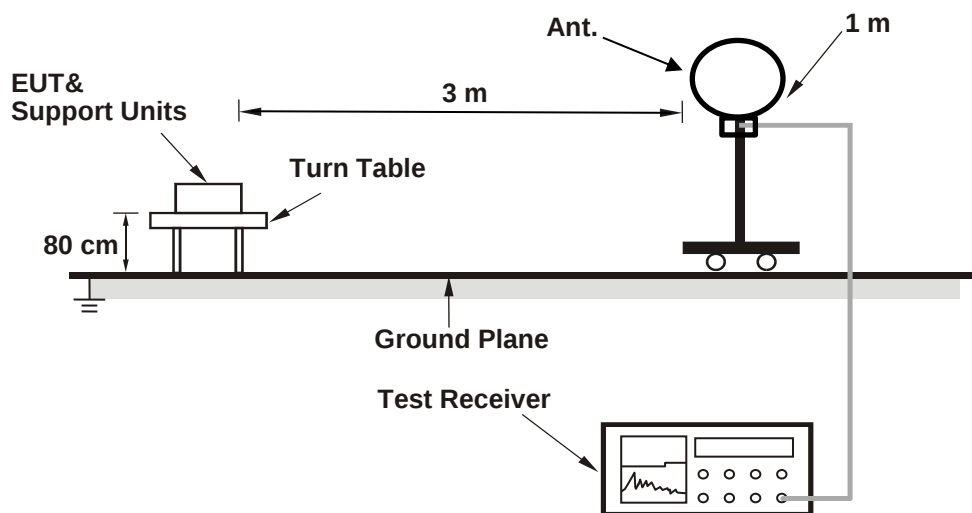
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

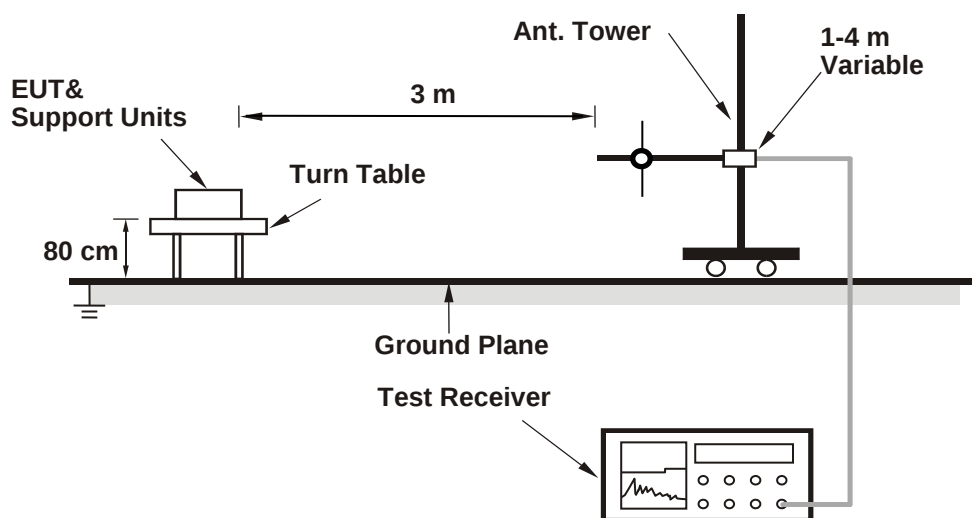
6.7 Unwanted Emissions below 1 GHz

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

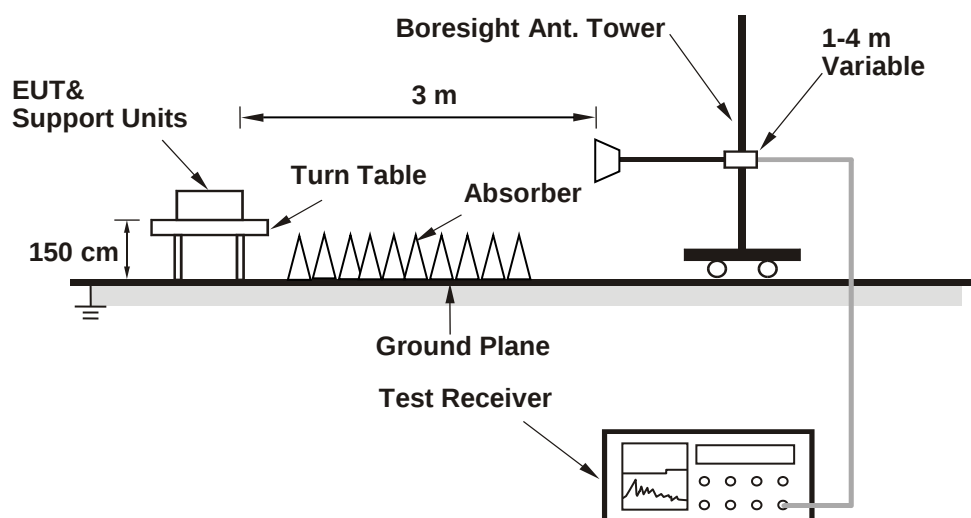
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
52	5260	18.58	18.59	18.53
60	5300	20.70	23.27	19.68
64	5320	18.69	20.45	18.70
100	5500	22.86	20.91	18.92
116	5580	18.52	18.49	18.47
140	5700	19.15	19.86	21.29
144 (U-NII-2C)	5720	14.25	14.22	14.22
144 (U-NII-3)	5720	4.25	4.28	4.25

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	18.53	23.67 < 24
60	5300	19.68	23.94 < 24
64	5320	18.69	23.71 < 24
100	5500	18.92	23.76 < 24
116	5580	18.47	23.66 < 24
140	5700	19.15	23.82 < 24
144 (U-NII-2C)	5720	14.22	22.52 < 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	Chain 2
52	5260	20.20	20.17	20.21
60	5300	23.39	22.03	21.90
64	5320	23.57	23.14	21.42
100	5500	20.68	20.30	21.58
116	5580	20.14	20.15	20.10
140	5700	21.93	20.29	20.38
144 (U-NII-2C)	5720	15.08	15.04	15.04
144 (U-NII-3)	5720	5.08	5.09	5.03

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.17	24.04 > 24
60	5300	21.90	24.4 > 24
64	5320	21.42	24.3 > 24
100	5500	20.30	24.07 > 24
116	5580	20.10	24.03 > 24
140	5700	20.29	24.07 > 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	Chain 2
54	5270	39.71	39.62	39.49
62	5310	39.65	39.60	39.47
102	5510	39.62	39.86	39.71
110	5550	39.65	39.69	39.67
134	5670	39.73	39.74	39.67
142 (U-NII-2C)	5710	34.76	34.75	34.66
142 (U-NII-3)	5710	4.76	4.90	4.84

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.49	26.96 > 24
62	5310	39.47	26.96 > 24
102	5510	39.62	26.97 > 24
110	5550	39.65	26.98 > 24
134	5670	39.67	26.98 > 24
142 (U-NII-2C)	5710	34.66	26.39 > 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	Chain 2
58	5290	81.46	81.60	81.31
106	5530	81.47	81.65	81.67
122	5610	81.39	81.42	81.44
138 (U-NII-2C)	5690	75.51	75.45	75.52
138 (U-NII-3)	5690	5.70	5.75	5.67

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	81.31	30.1 > 24
106	5530	81.47	30.1 > 24
122	5610	81.39	30.1 > 24
138 (U-NII-2C)	5690	75.45	29.77 > 24

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

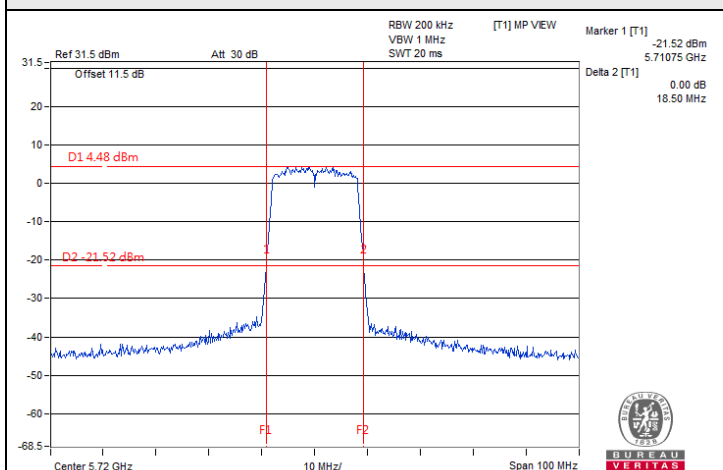
802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
50 (U-NII-1)	5250	81.34	82.04	82.18
50 (U-NII-2A)	5250	82.01	82.65	82.48
114	5570	164.96	164.13	164.95

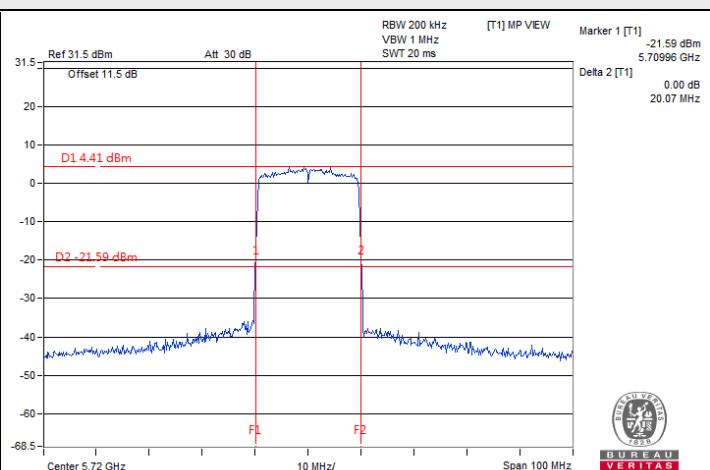
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	82.01	30.13 > 24
114	5570	164.13	33.15 > 24

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

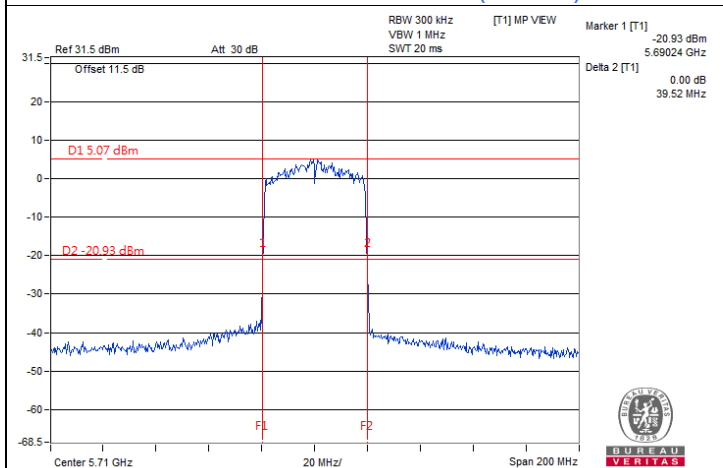
Spectrum Plot of Minimum Value



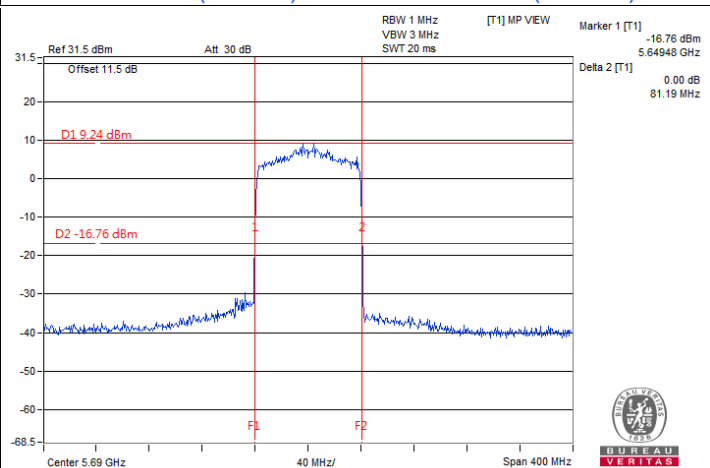
802.11a / Chain 0 : CH 144 (U-NII-3)



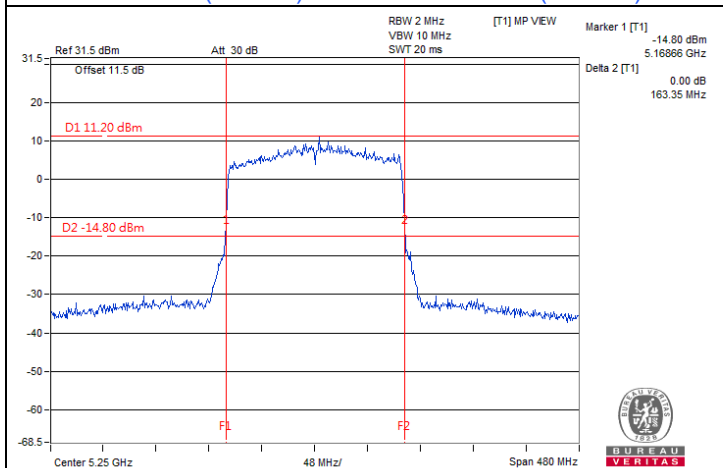
802.11be (EHT20) / Chain 2 : CH 144 (U-NII-3)



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



802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)



802.11be (EHT160) / Chain 0 : 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:	Wayne Lin
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2				
36	5180	20.73	21.98	21.76	426.034	26.29	30	Pass
40	5200	23.49	23.57	23.97	700.326	28.45	30	Pass
48	5240	23.16	23.57	23.70	668.947	28.25	30	Pass
52	5260	18.05	18.93	18.39	211.013	23.24	23.67	Pass
60	5300	18.51	18.23	18.39	206.509	23.15	23.94	Pass
64	5320	18.05	18.66	18.16	202.741	23.07	23.71	Pass
100	5500	18.19	18.45	18.33	203.979	23.10	23.76	Pass
116	5580	18.52	18.36	18.56	211.45	23.25	23.66	Pass
140	5700	18.31	18.30	18.80	211.23	23.25	23.82	Pass
*144 (U-NII-2C)	5720	17.39	17.23	17.35	161.997	22.10	22.52	Pass
*144 (U-NII-3)	5720	10.55	10.16	10.56	33.102	15.20	30	Pass
149	5745	24.15	24.22	24.96	837.585	29.23	30	Pass
157	5785	24.24	24.13	24.92	834.738	29.22	30	Pass
165	5825	24.38	24.14	24.48	814.119	29.11	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.54 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.53 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.78 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.67 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2				
36	5180	21.01	22.09	21.86	441.452	26.45	30	Pass
40	5200	19.50	23.41	23.65	540.145	27.33	30	Pass
48	5240	23.32	23.70	23.97	698.665	28.44	30	Pass
52	5260	17.90	18.71	18.12	200.825	23.03	24	Pass
60	5300	18.18	18.83	18.33	210.226	23.23	24	Pass
64	5320	18.25	18.79	18.53	213.803	23.30	24	Pass
100	5500	18.42	18.58	18.52	212.735	23.28	24	Pass
116	5580	18.24	18.15	18.70	206.125	23.14	24	Pass
140	5700	18.16	18.17	18.66	204.53	23.11	24	Pass
*144 (U-NII-2C)	5720	16.96	16.81	17.47	153.48	21.86	22.77	Pass
*144 (U-NII-3)	5720	11.03	11.03	11.80	40.489	16.07	30	Pass
149	5745	24.94	24.28	24.16	840.421	29.24	30	Pass
157	5785	24.36	24.27	24.91	849.94	29.29	30	Pass
165	5825	24.60	24.25	24.50	836.314	29.22	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.54 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.53 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.78 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.67 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2				
38	5190	20.37	20.96	21.10	362.456	25.59	30	Pass
46	5230	22.32	22.75	22.91	554.407	27.44	30	Pass
54	5270	18.20	18.82	18.44	212.1	23.27	24	Pass
62	5310	17.99	18.85	18.17	205.301	23.12	24	Pass
102	5510	18.22	18.41	18.39	204.741	23.11	24	Pass
110	5550	18.32	18.54	18.35	207.761	23.18	24	Pass
134	5670	18.36	18.62	18.55	212.941	23.28	24	Pass
*142 (U-NII-2C)	5710	17.99	17.73	17.95	184.617	22.66	24	Pass
*142 (U-NII-3)	5710	6.64	6.15	6.57	13.274	11.23	30	Pass
151	5755	23.64	23.50	24.61	744.147	28.72	30	Pass
159	5795	24.05	23.93	25.08	823.377	29.16	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.54 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.53 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.78 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.67 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2				
42	5210	19.69	19.81	18.94	267.173	24.27	30	Pass
58	5290	18.01	18.74	18.15	203.371	23.08	24	Pass
106	5530	18.22	18.43	18.23	202.564	23.07	24	Pass
122	5610	18.43	18.37	18.89	215.816	23.34	24	Pass
*138 (U-NII-2C)	5690	18.02	17.99	18.51	197.295	22.95	24	Pass
*138 (U-NII-3)	5690	3.27	3.18	3.75	6.574	8.18	30	Pass
155	5775	21.77	22.10	22.79	502.603	27.01	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.54 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.53 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.78 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.67 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2				
*50 (U-NII-1)	5250	13.79	13.71	13.77	71.253	18.53	30	Pass
*50 (U-NII-2A)	5250	14.34	14.27	14.30	80.81	19.07	24	Pass
114	5570	18.44	18.23	18.42	205.853	23.14	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.54 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.53 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.78 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	Chain 2				
36	5180	21.01	22.09	21.86	441.452	26.45	29.97	Pass
40	5200	19.50	23.41	23.65	540.145	27.33	29.97	Pass
48	5240	23.32	23.70	23.97	698.665	28.44	29.97	Pass
52	5260	17.90	18.71	18.12	200.825	23.03	23.92	Pass
60	5300	18.18	18.83	18.33	210.226	23.23	23.92	Pass
64	5320	18.25	18.79	18.53	213.803	23.30	23.92	Pass
100	5500	18.42	18.58	18.52	212.735	23.28	23.83	Pass
116	5580	18.24	18.15	18.70	206.125	23.14	23.83	Pass
140	5700	18.16	18.17	18.66	204.53	23.11	23.83	Pass
*144 (U-NII-2C)	5720	16.96	16.81	17.47	153.48	21.86	22.6	Pass
*144 (U-NII-3)	5720	11.03	11.03	11.80	40.489	16.07	29.85	Pass
149	5745	24.94	24.28	24.16	840.421	29.24	29.85	Pass
157	5785	24.36	24.27	24.91	849.94	29.29	29.85	Pass
165	5825	24.60	24.25	24.50	836.314	29.22	29.85	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.03 - 6) = 29.97$ dBm.
- For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.08 - 6)].
- For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.17 - 6)].
- For U-NII-3, the directional gain is 6.15 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.15 - 6) = 29.85$ 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	Chain 2				
38	5190	20.37	20.96	21.10	362.456	25.59	29.97	Pass
46	5230	22.32	22.75	22.91	554.407	27.44	29.97	Pass
54	5270	18.20	18.82	18.44	212.1	23.27	23.92	Pass
62	5310	17.99	18.85	18.17	205.301	23.12	23.92	Pass
102	5510	18.22	18.41	18.39	204.741	23.11	23.83	Pass
110	5550	18.32	18.54	18.35	207.761	23.18	23.83	Pass
134	5670	18.36	18.62	18.55	212.941	23.28	23.83	Pass
*142 (U-NII-2C)	5710	17.99	17.73	17.95	184.617	22.66	23.83	Pass
*142 (U-NII-3)	5710	6.64	6.15	6.57	13.274	11.23	29.85	Pass
151	5755	23.64	23.50	24.61	744.147	28.72	29.85	Pass
159	5795	24.05	23.93	25.08	823.377	29.16	29.85	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.03 - 6) = 29.97$ dBm.
- For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.08 - 6)].
- For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (6.17 - 6)].
- For U-NII-3, the directional gain is 6.15 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.15 - 6) = 29.85$ 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	Chain 2				
42	5210	19.69	19.81	18.94	267.173	24.27	29.97	Pass
58	5290	18.01	18.74	18.15	203.371	23.08	23.92	Pass
106	5530	18.22	18.43	18.23	202.564	23.07	23.83	Pass
122	5610	18.43	18.37	18.89	215.816	23.34	23.83	Pass
*138 (U-NII-2C)	5690	18.02	17.99	18.51	197.295	22.95	23.83	Pass
*138 (U-NII-3)	5690	3.27	3.18	3.75	6.574	8.18	29.85	Pass
155	5775	21.77	22.10	22.79	502.603	27.01	29.85	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.03-6) = 29.97$ dBm.
- For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.08-6)].
- For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.17-6)].
- For U-NII-3, the directional gain is 6.15 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.15-6) = 29.85$ dBm.

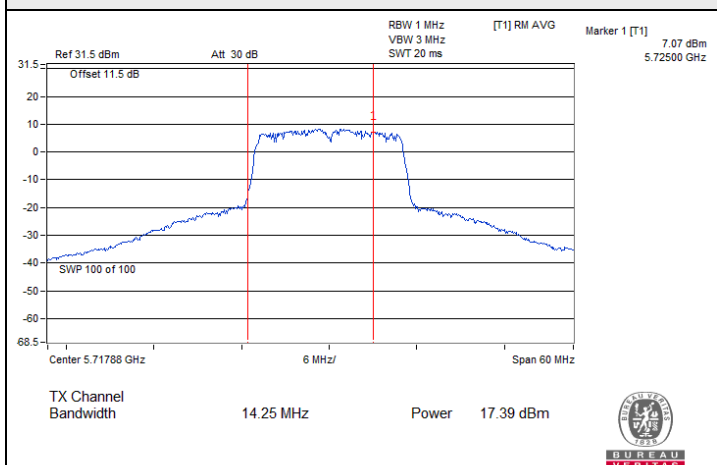
802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2				
*50 (U-NII-1)	5250	13.79	13.71	13.77	71.253	18.53	29.97	Pass
*50 (U-NII-2A)	5250	14.34	14.27	14.30	80.81	19.07	23.92	Pass
114	5570	18.44	18.23	18.42	205.853	23.14	23.83	Pass

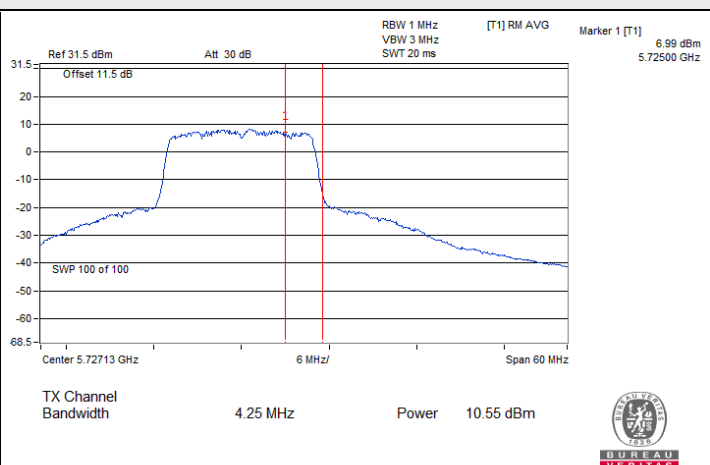
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.03 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.03-6) = 29.97$ dBm.
- For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.08-6)].
- For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.17-6)].

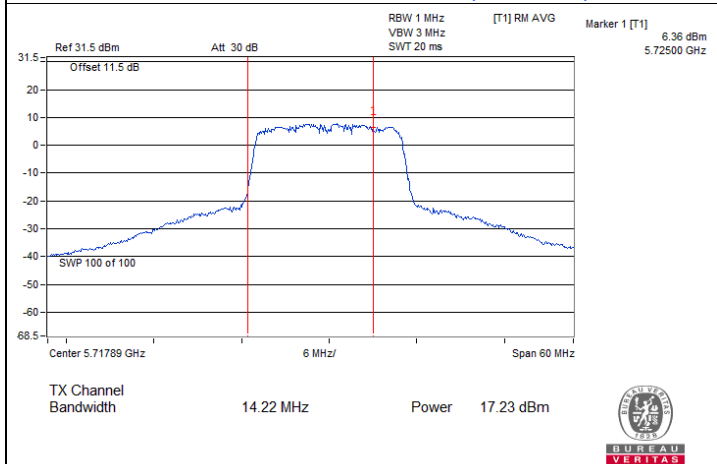
Spectrum Plot for channel straddling



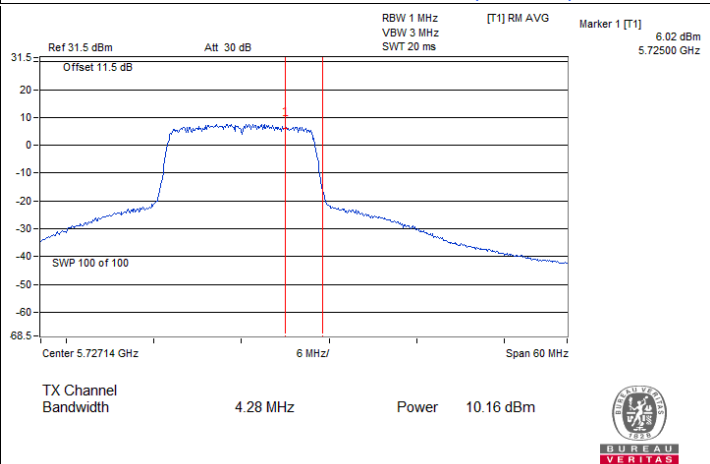
802.11a / Chain 0 : CH 144 (U-NII-2C)



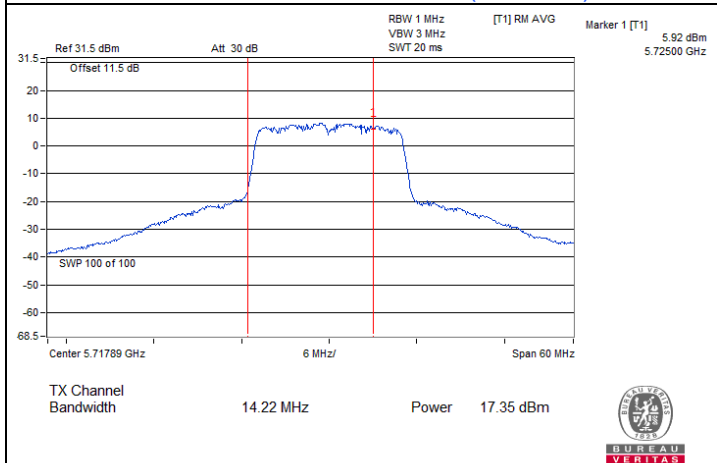
802.11a / Chain 0 : CH 144 (U-NII-3)



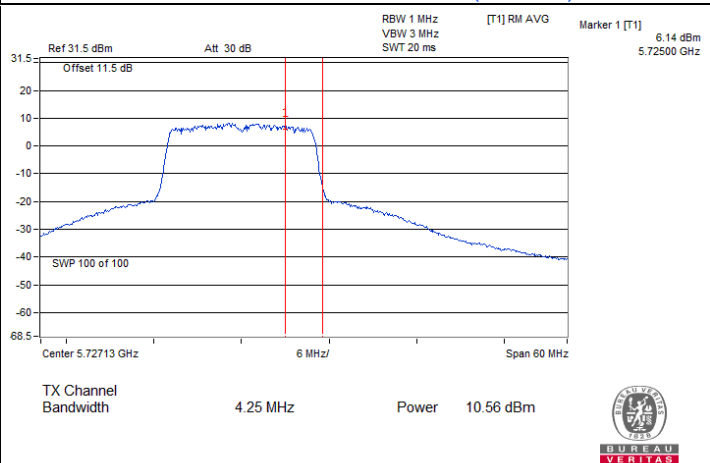
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

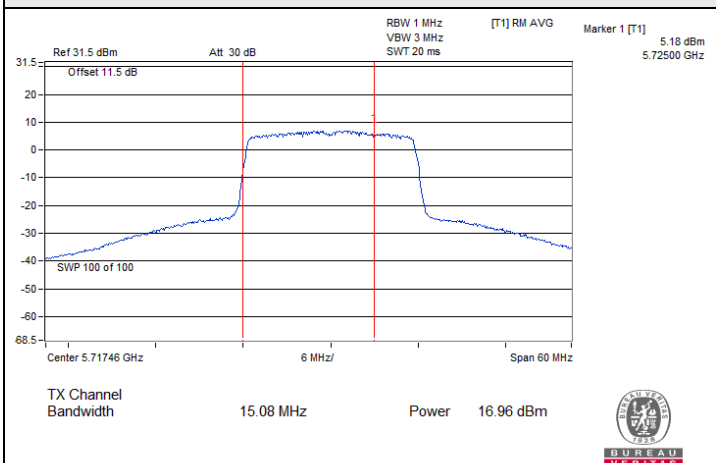


802.11a / Chain 2 : CH 144 (U-NII-2C)

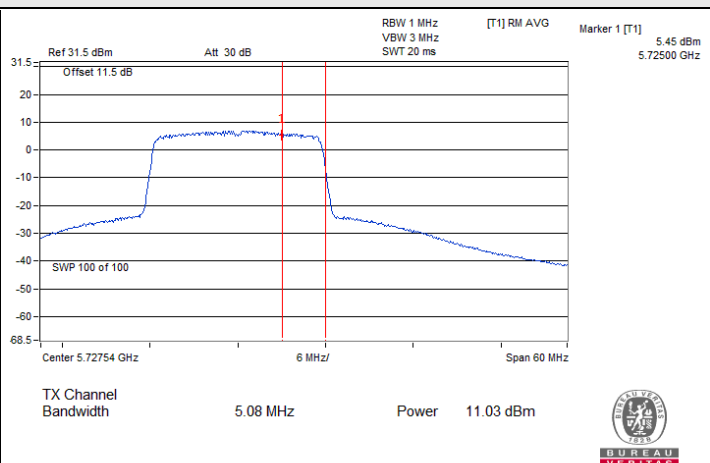


802.11a / Chain 2 : CH 144 (U-NII-3)

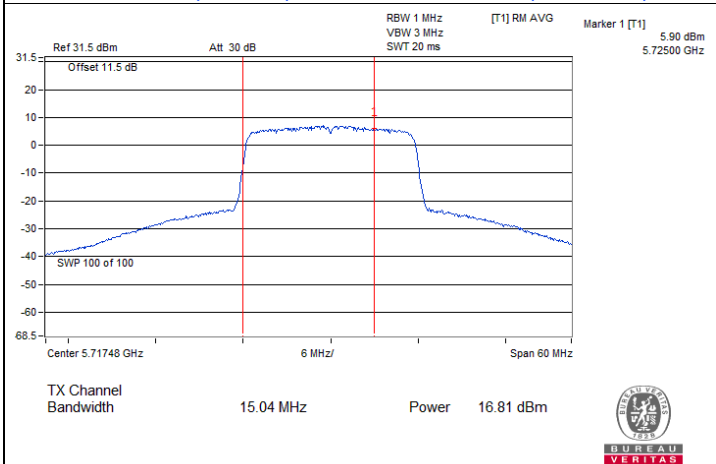
Spectrum Plot for channel straddling



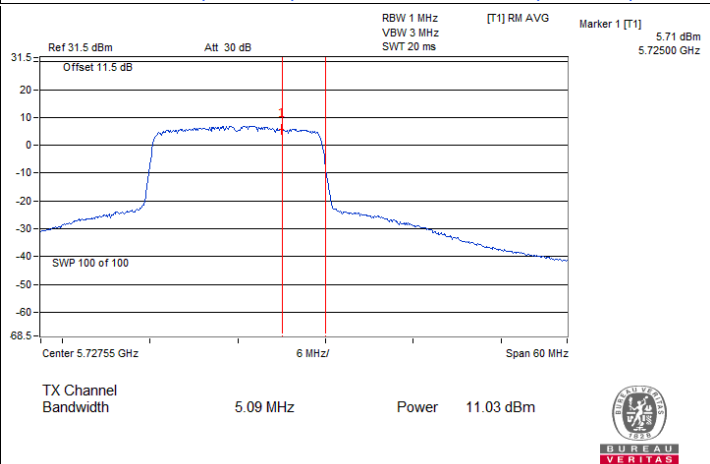
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



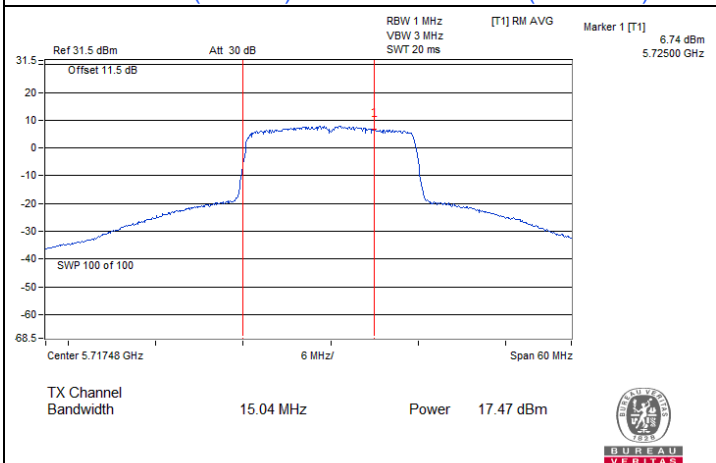
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-3)



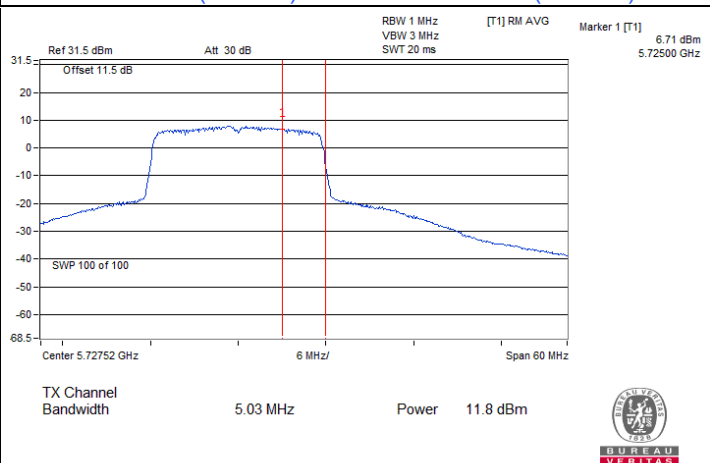
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



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

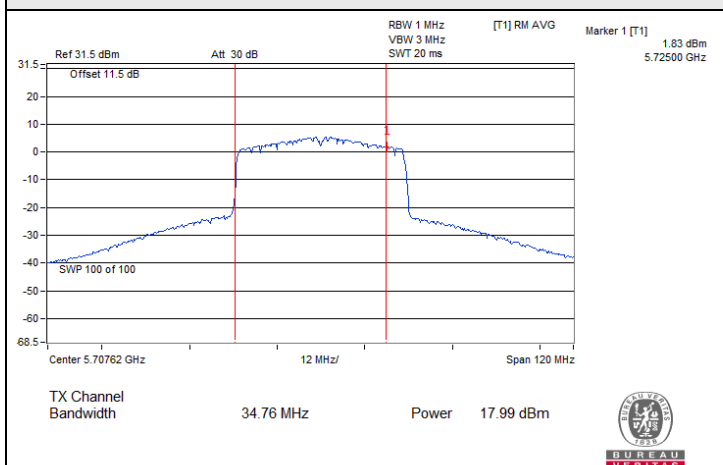


802.11be (EHT20) / Chain 2 : CH 144 (U-NII-2C)

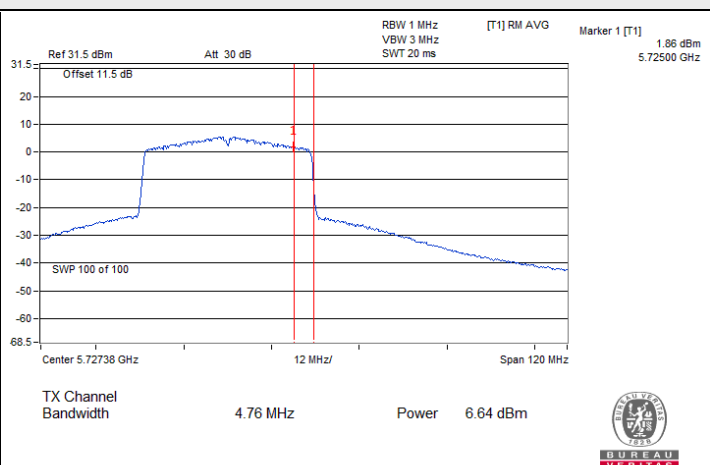


802.11be (EHT20) / Chain 2 : CH 144 (U-NII-3)

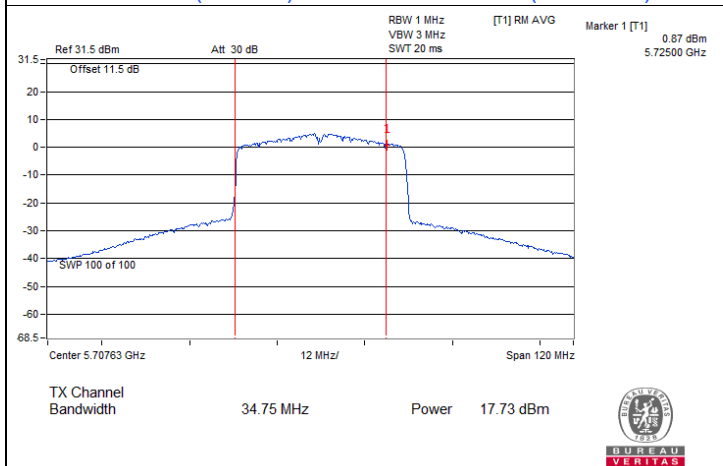
Spectrum Plot for channel straddling



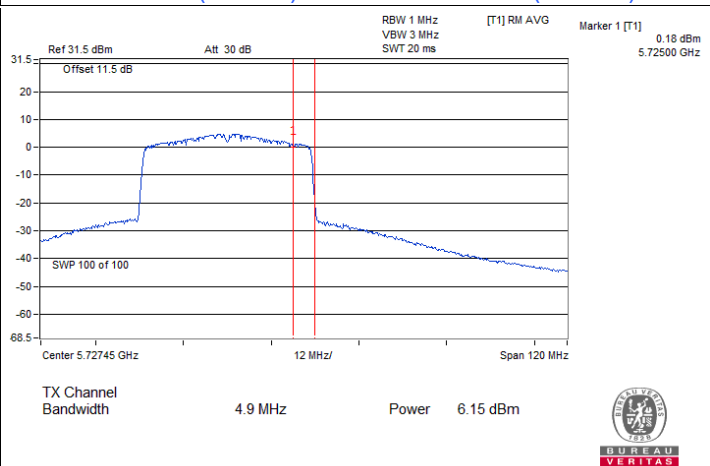
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



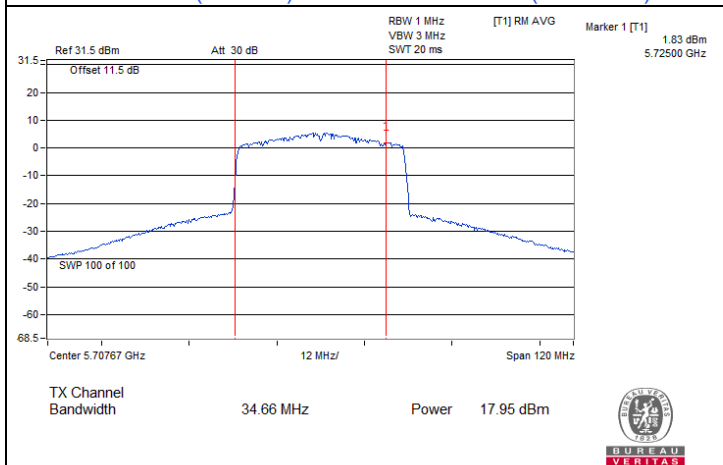
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



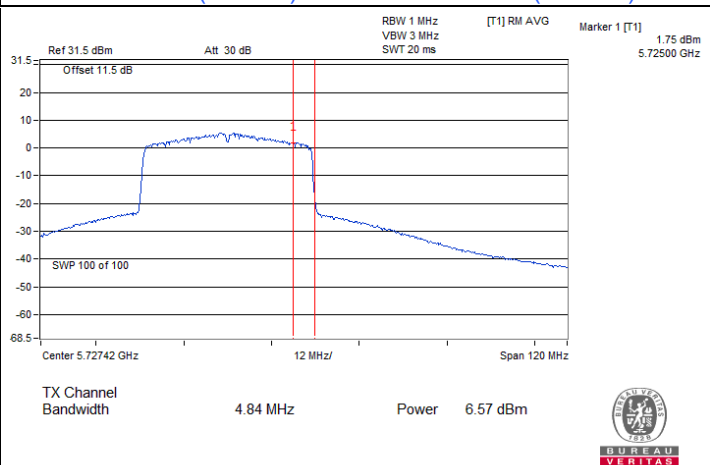
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)



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

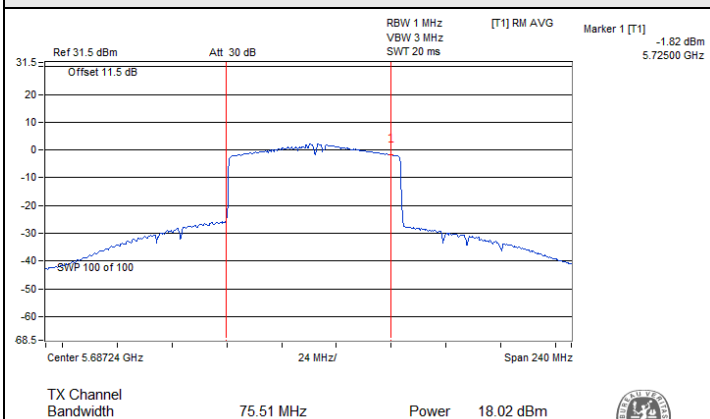


802.11be (EHT40) / Chain 2 : CH 142 (U-NII-2C)

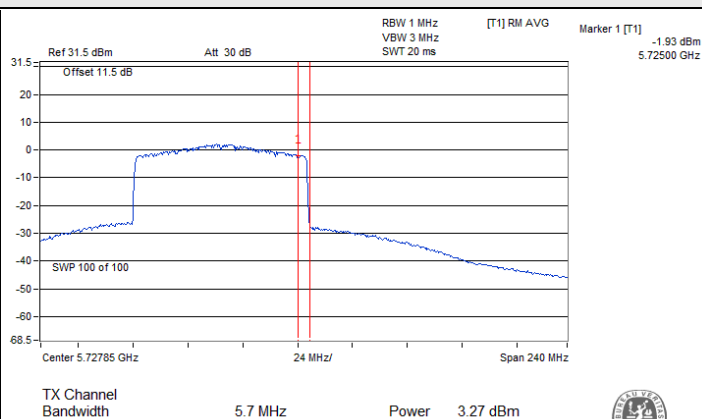


802.11be (EHT40) / Chain 2 : CH 142 (U-NII-3)

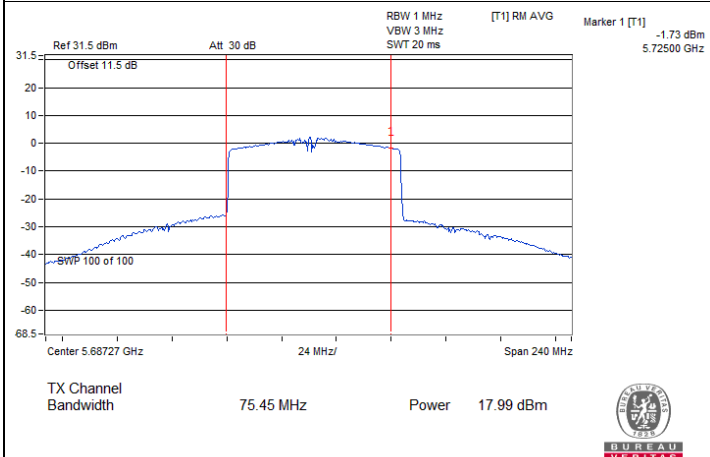
Spectrum Plot for channel straddling



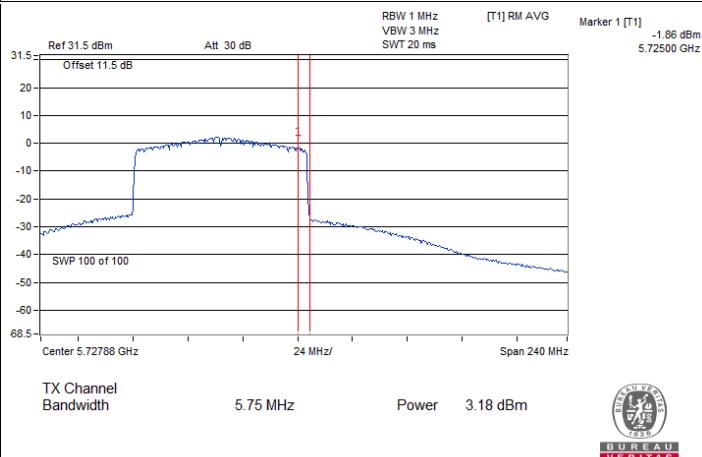
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



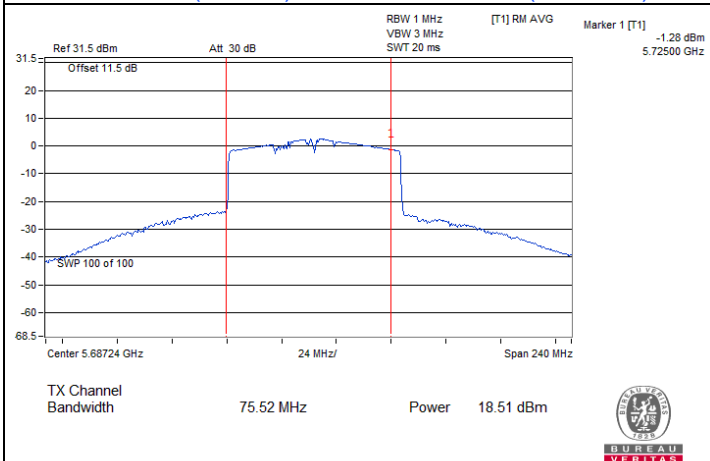
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-3)



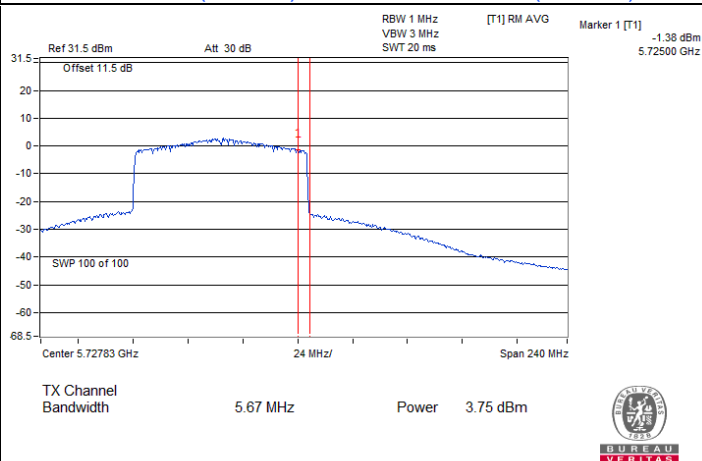
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



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

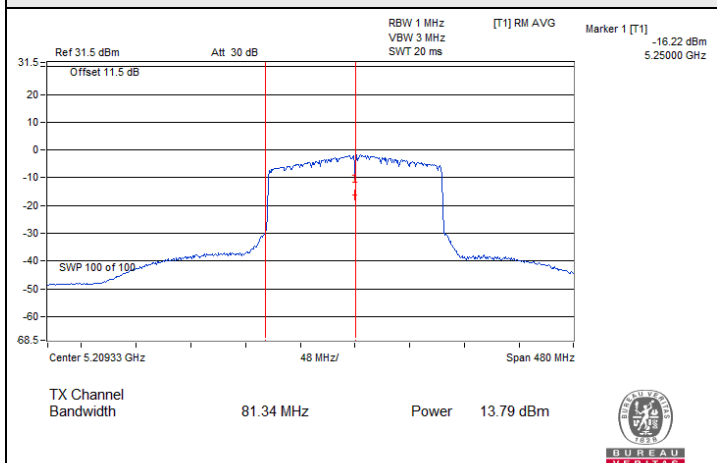


802.11be (EHT80) / Chain 2 : CH 138 (U-NII-2C)

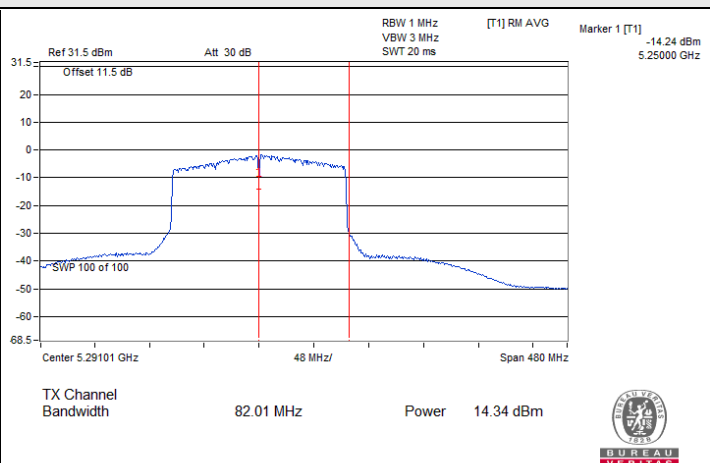


802.11be (EHT80) / Chain 2 : CH 138 (U-NII-3)

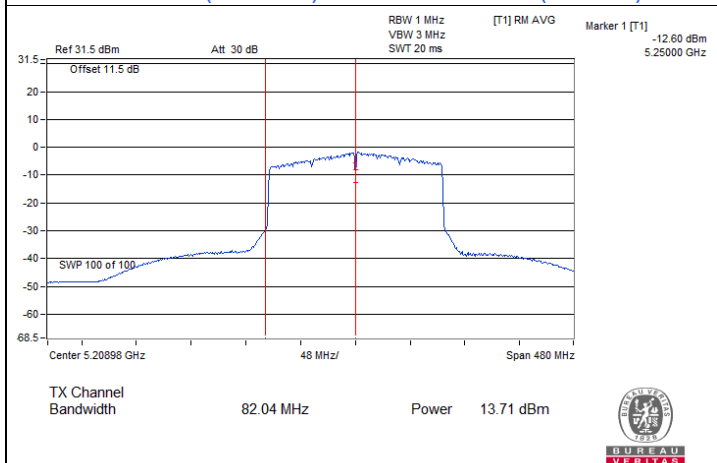
Spectrum Plot for channel straddling



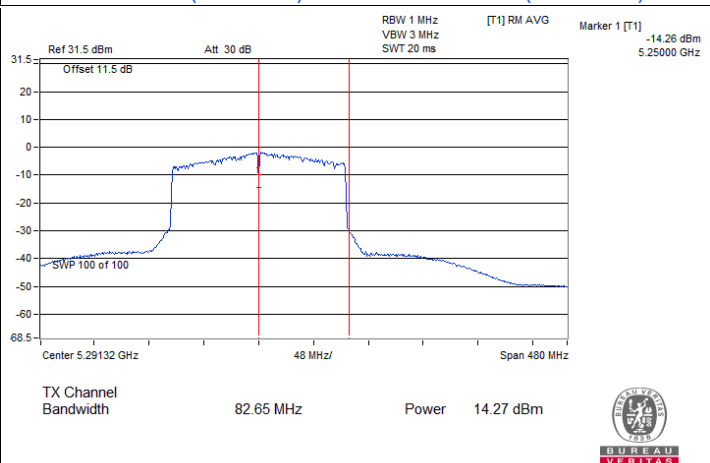
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



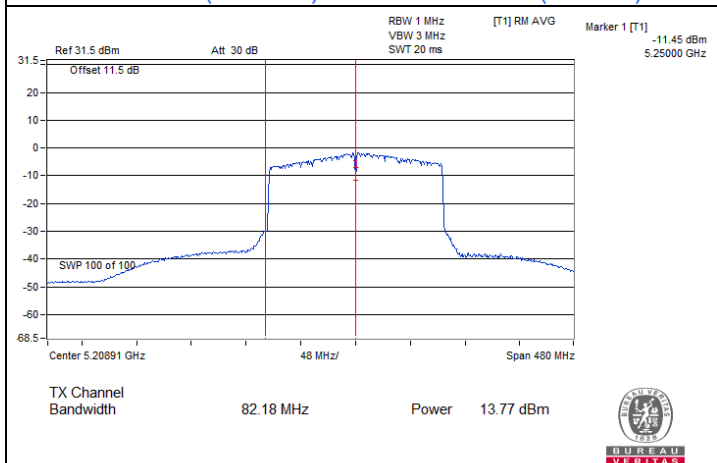
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-2A)



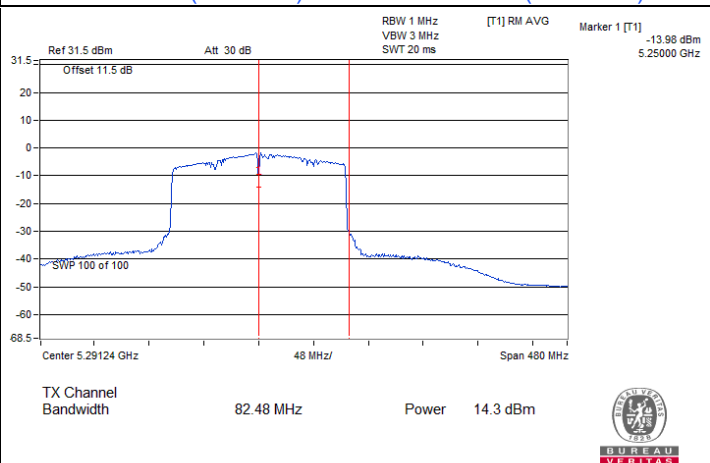
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



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



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



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

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2			
36	5180	7.32	8.53	8.33	12.86	16.97	Pass
40	5200	10.10	10.11	10.58	15.04	16.97	Pass
48	5240	9.76	10.10	10.30	14.83	16.97	Pass
52	5260	4.58	5.50	4.94	9.79	10.92	Pass
60	5300	5.18	4.87	4.93	9.77	10.92	Pass
64	5320	4.64	5.28	4.76	9.67	10.92	Pass
100	5500	4.80	5.08	4.87	9.69	10.83	Pass
116	5580	5.14	4.92	5.13	9.84	10.83	Pass
140	5700	4.93	4.87	5.42	9.85	10.83	Pass
144 (U-NII-2C)	5720	5.07	4.88	5.09	9.79	10.83	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 6.03 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.03-6) = 16.97$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.08-6) = 10.92$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.17-6) = 10.83$ 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	Chain 2			
36	5180	7.52	8.59	8.42	12.97	16.97	Pass
40	5200	6.02	9.91	10.17	13.84	16.97	Pass
48	5240	9.94	10.25	10.49	15.00	16.97	Pass
52	5260	4.48	5.29	4.64	9.59	10.92	Pass
60	5300	4.73	5.46	4.93	9.82	10.92	Pass
64	5320	4.82	5.31	5.15	9.87	10.92	Pass
100	5500	5.01	5.11	5.07	9.83	10.83	Pass
116	5580	4.88	4.70	5.21	9.71	10.83	Pass
140	5700	4.69	4.78	5.27	9.69	10.83	Pass
144 (U-NII-2C)	5720	4.85	4.67	5.09	9.64	10.83	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 6.03 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.03-6) = 16.97$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.08-6) = 10.92$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.17-6) = 10.83$ 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	Chain 2			
38	5190	4.06	4.47	4.65	9.17	16.97	Pass
46	5230	5.97	6.30	6.43	11.01	16.97	Pass
54	5270	1.89	2.40	2.00	6.87	10.92	Pass
62	5310	1.56	2.44	1.62	6.66	10.92	Pass
102	5510	1.78	1.99	1.99	6.69	10.83	Pass
110	5550	1.83	2.10	1.98	6.74	10.83	Pass
134	5670	1.88	2.22	2.15	6.86	10.83	Pass
142 (U-NII-2C)	5710	2.02	1.87	2.11	6.77	10.83	Pass

Notes:

- 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.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.03 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.03-6) = 16.97$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.08-6) = 10.92$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.17-6) = 10.83$ 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	Chain 2			
42	5210	0.26	0.23	-0.45	4.80	16.97	Pass
58	5290	-1.37	-0.76	-1.33	3.63	10.92	Pass
106	5530	-1.15	-0.98	-1.12	3.69	10.83	Pass
122	5610	-1.01	-1.08	-0.55	3.90	10.83	Pass
138 (U-NII-2C)	5690	-1.17	-0.85	-0.74	3.86	10.83	Pass

Notes:

- 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.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 6.03 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.03-6) = 16.97$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.08-6) = 10.92$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.17-6) = 10.83$ 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	Chain 2			
50 (U-NII-1)	5250	-5.07	-5.01	-5.48	-0.41	16.97	Pass
50 (U-NII-2A)	5250	-4.94	-4.98	-5.35	-0.31	10.92	Pass
114	5570	-3.71	-3.85	-3.66	1.03	10.83	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 6.03 dBi > 6dBi, so the power density limit shall be reduced to $17-(6.03-6) = 16.97$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.08-6) = 10.92$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.17 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.17-6) = 10.83$ 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	Chain 2				
144 (U-NII-3)	5720	-7.97	-7.81	-7.89	-3.12	-0.90	29.85	Pass
149	5745	-0.97	-0.92	-0.12	4.12	6.34	29.85	Pass
157	5785	-0.83	-1.00	-0.18	4.12	6.34	29.85	Pass
165	5825	-0.68	-0.96	-0.59	4.03	6.25	29.85	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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.15-6) = 29.85$ 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	Chain 2				
144 (U-NII-3)	5720	-9.50	-9.58	-9.22	-4.66	-2.44	29.85	Pass
149	5745	-1.24	-1.89	-2.09	3.05	5.27	29.85	Pass
157	5785	-1.78	-1.97	-1.30	3.1	5.32	29.85	Pass
165	5825	-1.51	-1.84	-1.58	3.13	5.35	29.85	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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.15-6) = 29.85$ 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	Chain 2				
142 (U-NII-3)	5710	-13.62	-13.89	-13.61	-8.93	-6.71	29.85	Pass
151	5755	-5.26	-5.36	-4.22	-0.14	2.08	29.85	Pass
159	5795	-4.85	-4.90	-3.69	0.33	2.55	29.85	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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.15-6) = 29.85$ dBm/500kHz.

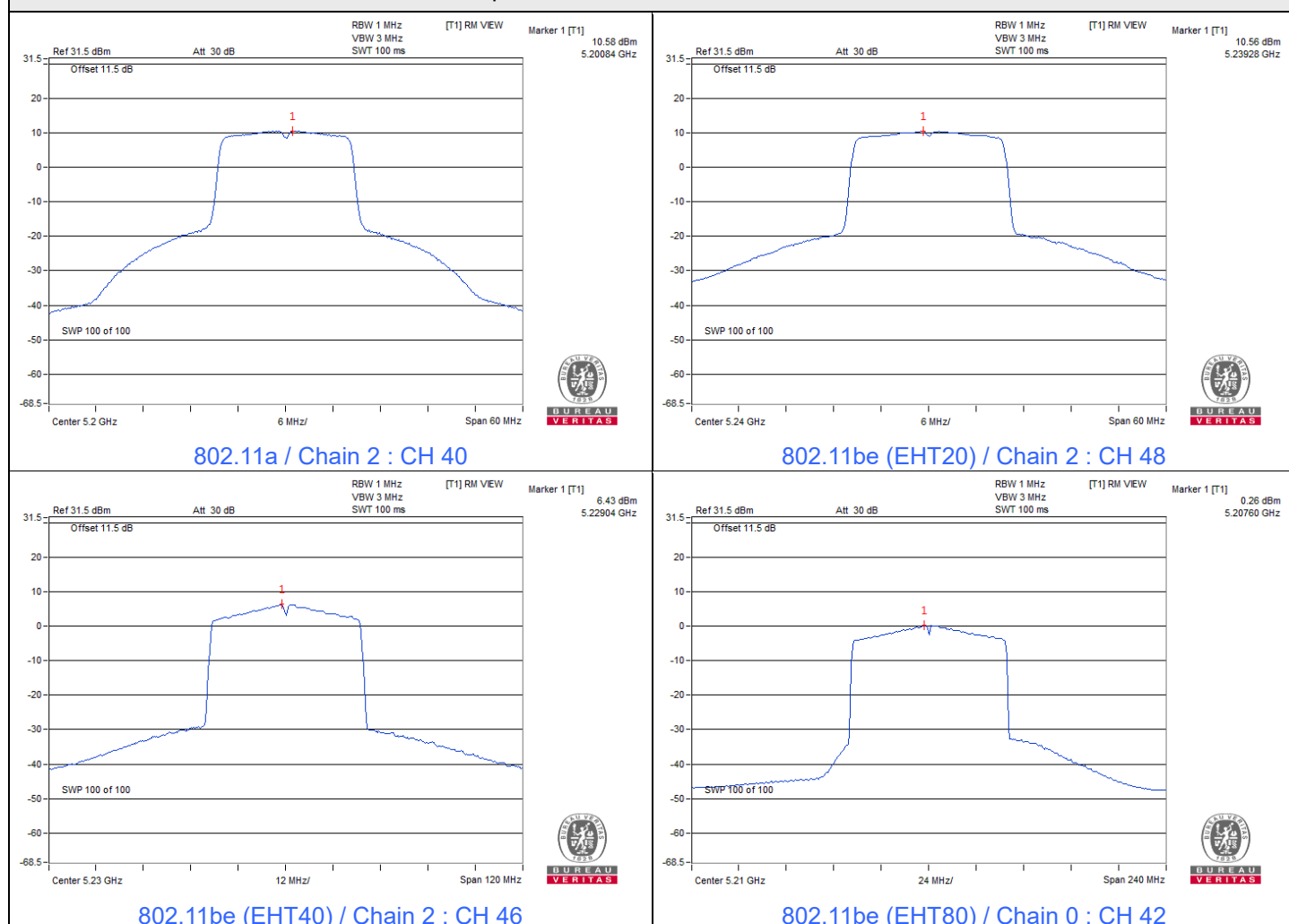
802.11be (EHT80)

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	Chain 2				
138 (U-NII-3)	5690	-17.07	-17.05	-16.77	-12.19	-9.97	29.85	Pass
155	5775	-7.48	-7.07	-6.77	-2.33	-0.11	29.85	Pass

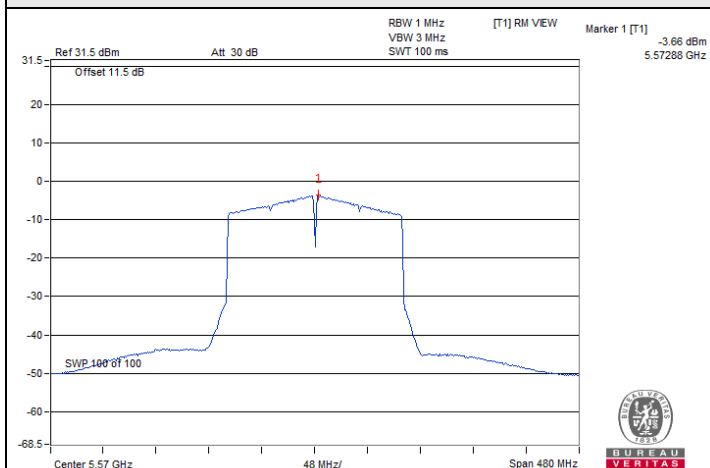
Notes:

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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.15 - 6) = 29.85$ dBm/500kHz.

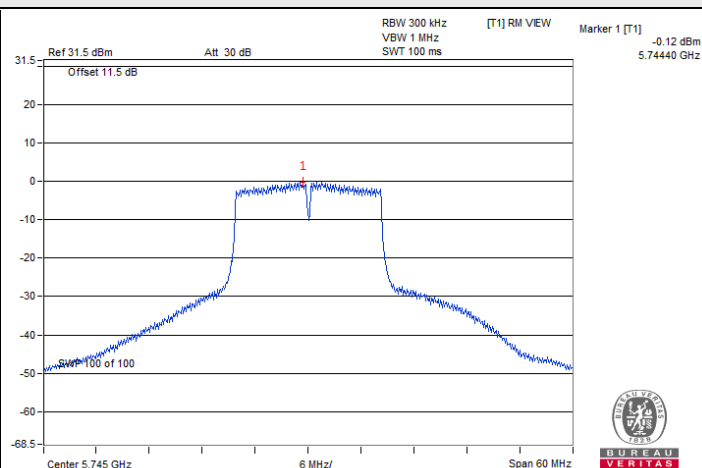
Spectrum Plot of Maximum Value



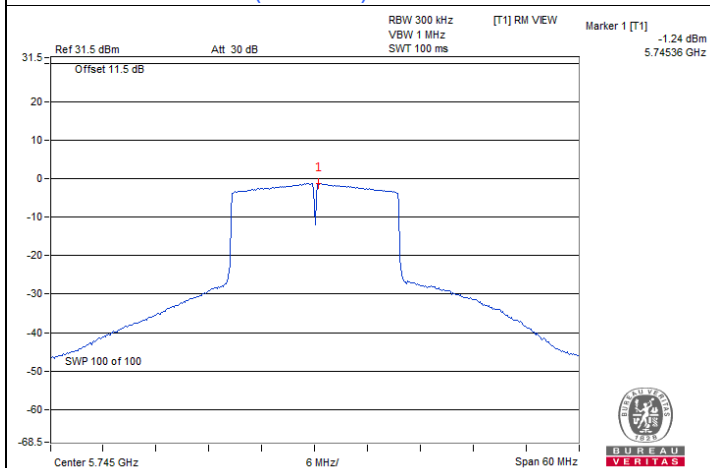
Spectrum Plot of Maximum Value



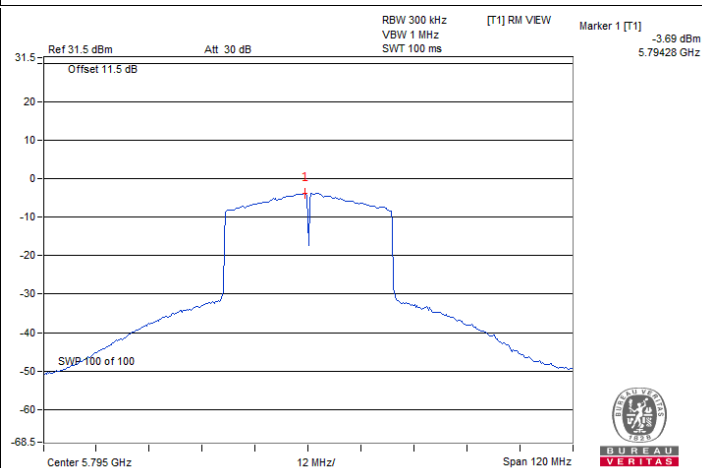
802.11be (EHT160) / Chain 2 : CH 114



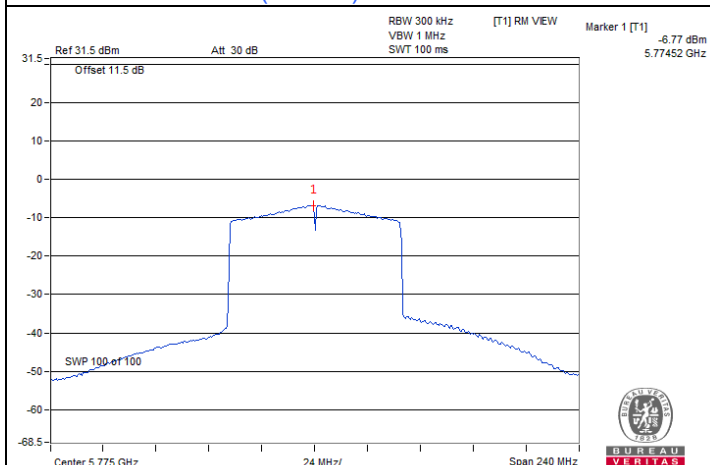
802.11a / Chain 2 : CH 149



802.11be (EHT20) / Chain 0 : CH 149



802.11be (EHT40) / Chain 2 : CH 159



802.11be (EHT80) / Chain 2 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)			Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2		
144 (U-NII-3)	5720	3.17	3.18	3.18	0.5	Pass
149	5745	16.33	16.36	16.35	0.5	Pass
157	5785	16.34	16.36	16.34	0.5	Pass
165	5825	16.32	16.33	16.33	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)			Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2		
144 (U-NII-3)	5720	4.45	4.43	4.42	0.5	Pass
149	5745	18.91	18.84	18.86	0.5	Pass
157	5785	18.72	18.73	18.83	0.5	Pass
165	5825	18.89	18.85	18.87	0.5	Pass

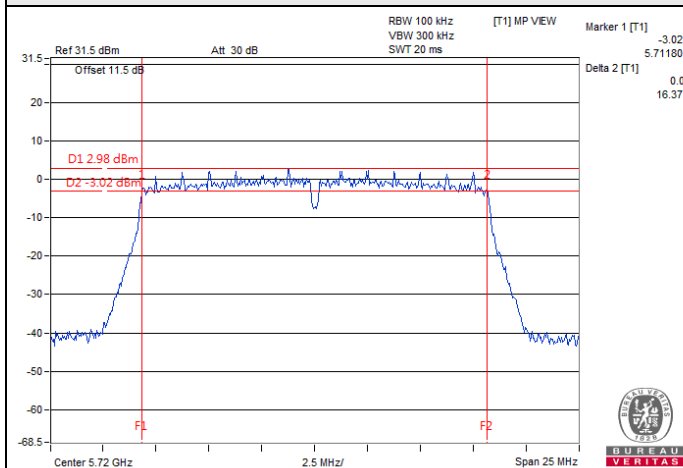
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)			Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2		
142 (U-NII-3)	5710	2.70	2.63	2.66	0.5	Pass
151	5755	34.45	35.12	35.68	0.5	Pass
159	5795	33.86	34.42	32.94	0.5	Pass

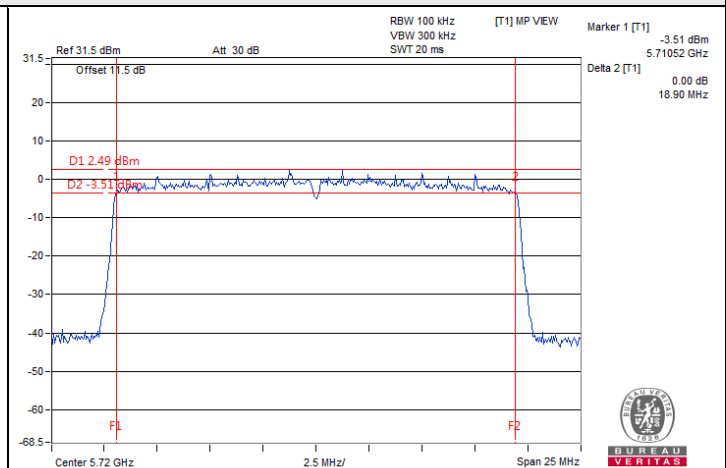
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)			Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2		
138 (U-NII-3)	5690	2.74	1.55	2.18	0.5	Pass
155	5775	75.51	74.21	75.65	0.5	Pass

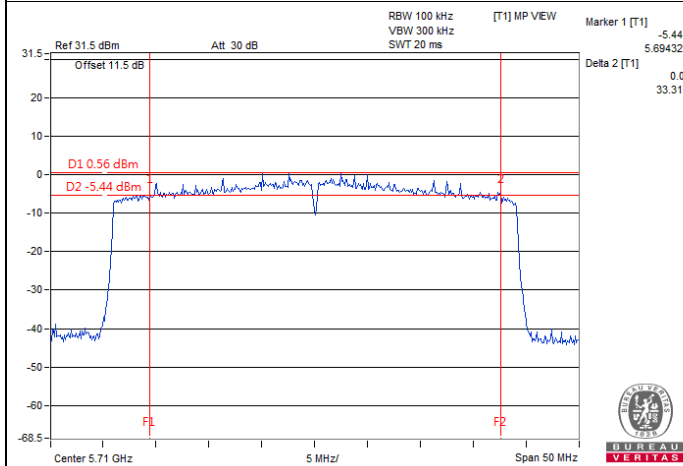
Spectrum Plot of Minimum Value



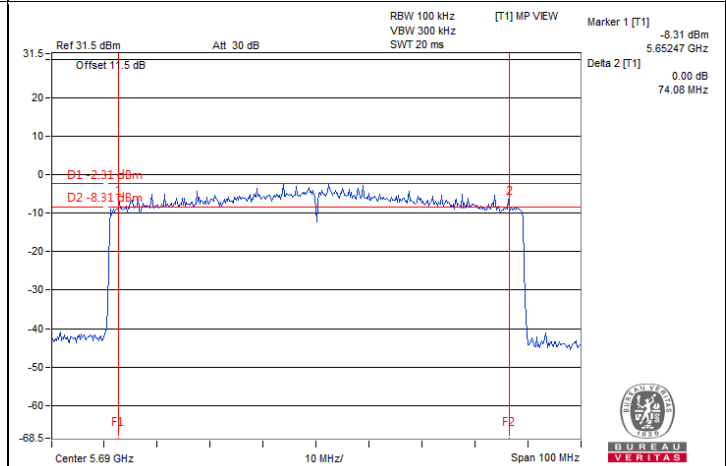
802.11a / Chain 0 : CH 144 (U-NII-3)



802.11be (EHT20) / Chain 2 : 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:	Wayne Lin
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
36	5180	16.56	16.56	16.44
40	5200	16.56	16.68	16.56
48	5240	16.68	16.56	16.56
52	5260	16.32	16.44	16.44
60	5300	16.44	16.56	16.56
64	5320	16.44	16.44	16.44
100	5500	16.44	16.44	16.44
116	5580	16.44	16.44	16.44
140	5700	16.44	16.44	16.44
144 (U-NII-2C)	5720	13.28	13.28	13.28
144 (U-NII-3)	5720	3.16	3.16	3.16
149	5745	16.74	16.74	16.74
157	5785	16.80	16.80	16.80
165	5825	17.04	16.80	16.80

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
36	5180	18.96	18.96	18.96
40	5200	18.96	19.08	19.08
48	5240	19.08	18.96	18.96
52	5260	18.84	18.96	18.84
60	5300	18.84	18.96	18.84
64	5320	18.96	18.96	18.96
100	5500	18.96	18.96	18.96
116	5580	18.96	18.96	18.96
140	5700	19.08	18.96	18.96
144 (U-NII-2C)	5720	14.48	14.48	14.52
144 (U-NII-3)	5720	4.36	4.48	4.42
149	5745	19.08	19.08	18.96
157	5785	19.08	19.08	19.08
165	5825	19.08	19.08	19.20

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
38	5190	37.68	37.92	37.92
46	5230	37.92	37.92	37.92
54	5270	37.68	37.68	37.68
62	5310	37.68	37.68	37.68
102	5510	37.68	37.68	37.68
110	5550	37.68	37.68	37.68
134	5670	37.68	37.92	37.92
142 (U-NII-2C)	5710	33.96	33.96	33.96
142 (U-NII-3)	5710	3.72	3.96	3.72
151	5755	38.08	37.89	37.89
159	5795	38.16	38.40	37.92

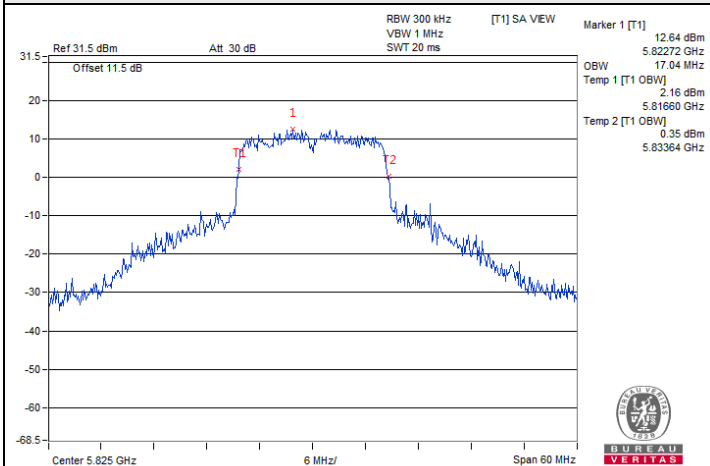
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
42	5210	76.80	77.28	76.80
58	5290	77.28	77.28	77.28
106	5530	77.28	77.28	77.28
122	5610	77.76	77.28	77.28
138 (U-NII-2C)	5690	73.88	73.88	73.40
138 (U-NII-3)	5690	3.40	3.40	3.40
155	5775	77.76	76.80	77.28

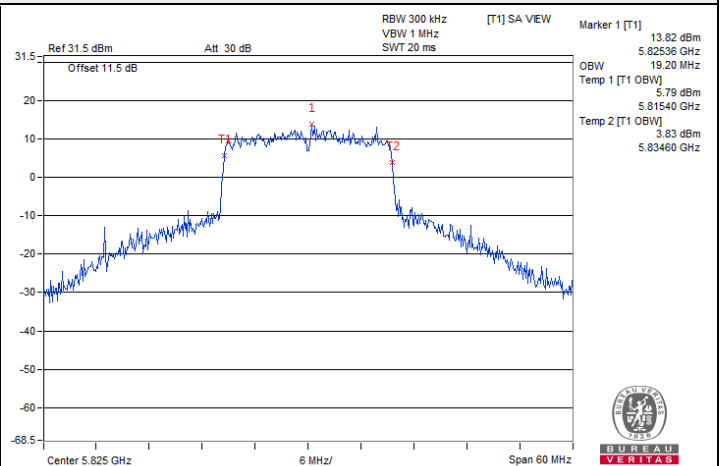
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
50 (U-NII-1)	5250	78.72	78.72	77.76
50 (U-NII-2A)	5250	77.76	77.76	77.76
114	5570	156.48	156.48	155.52

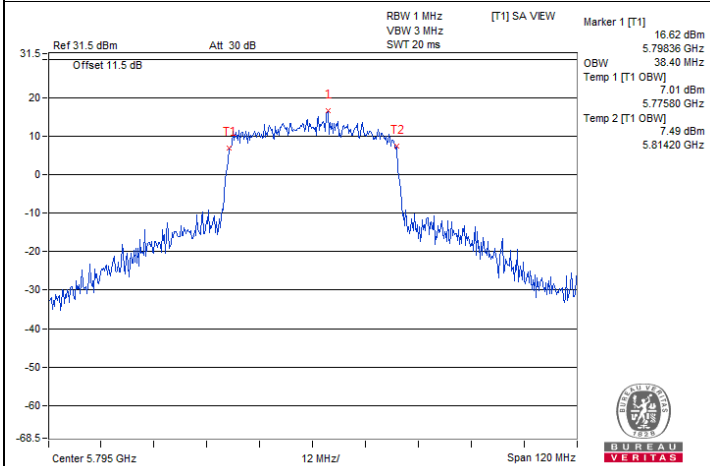
Spectrum Plot of Maximum Value



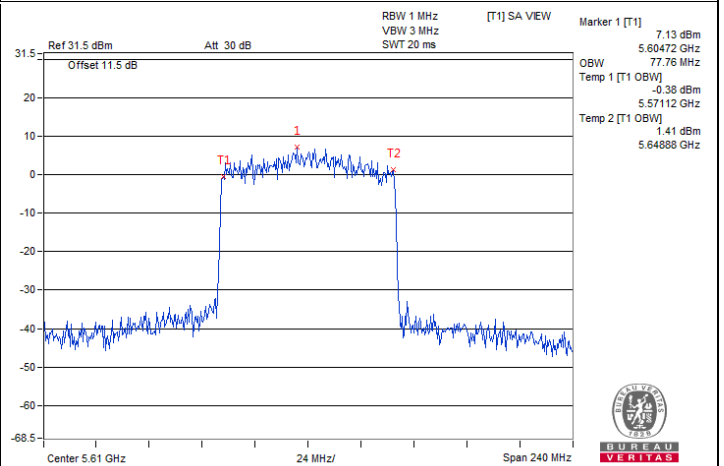
802.11a / Chain 0 : CH 165



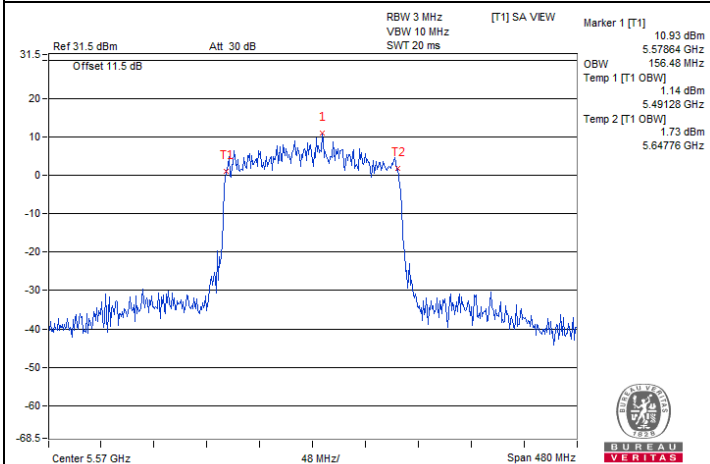
802.11be (EHT20) / Chain 2 : CH 165



802.11be (EHT40) / Chain 1 : CH 159

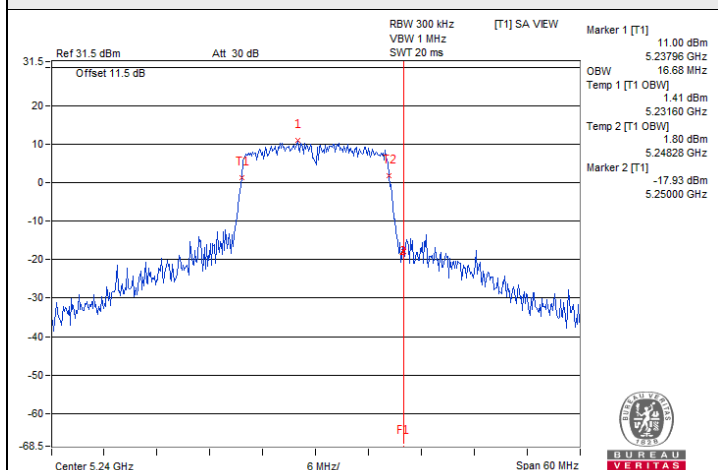


802.11be (EHT80) / Chain 0 : CH 122

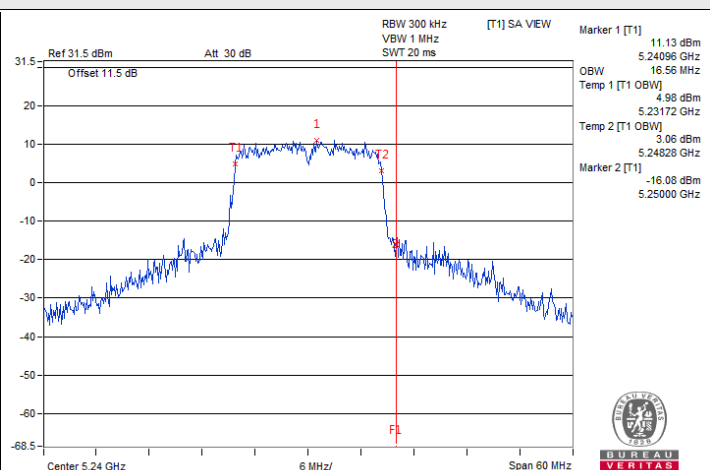


802.11be (EHT160) / Chain 0 : CH 114

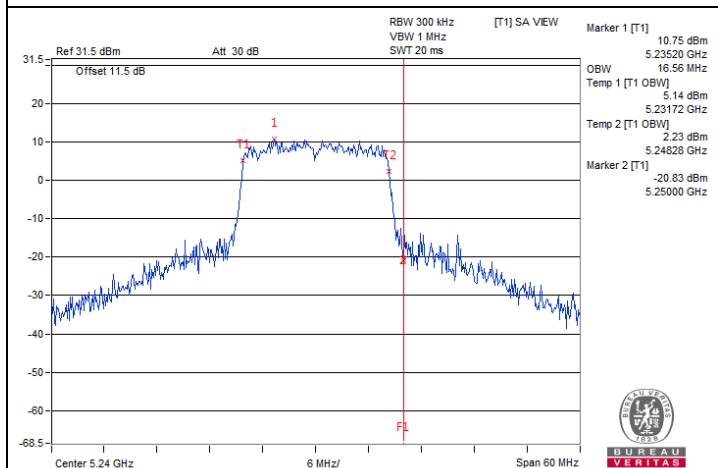
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



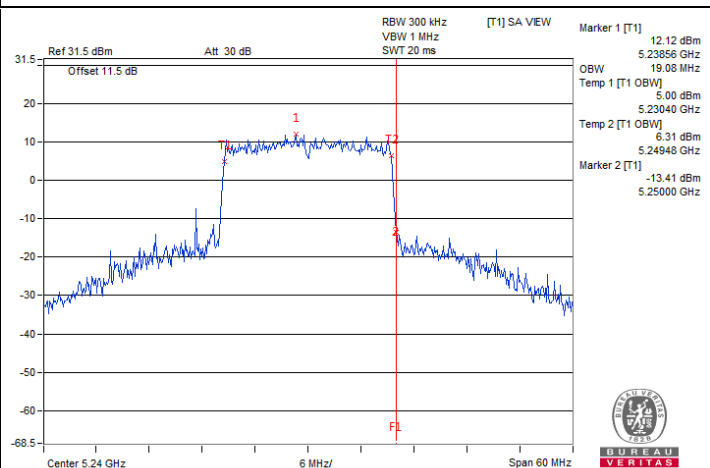
802.11a / Chain 0 : CH 48



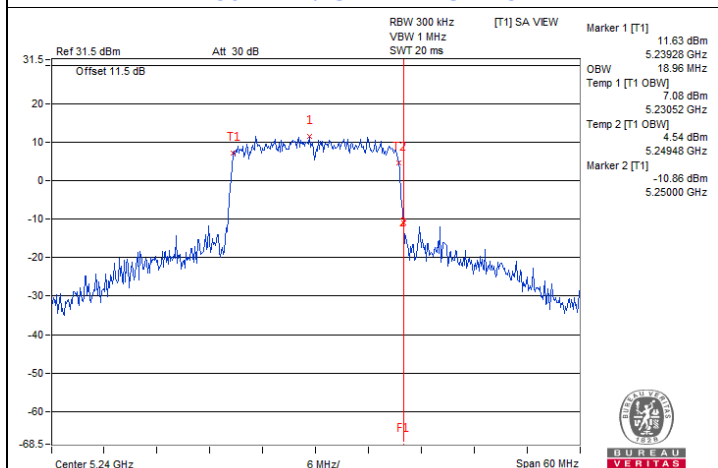
802.11a / Chain 1 : CH 48



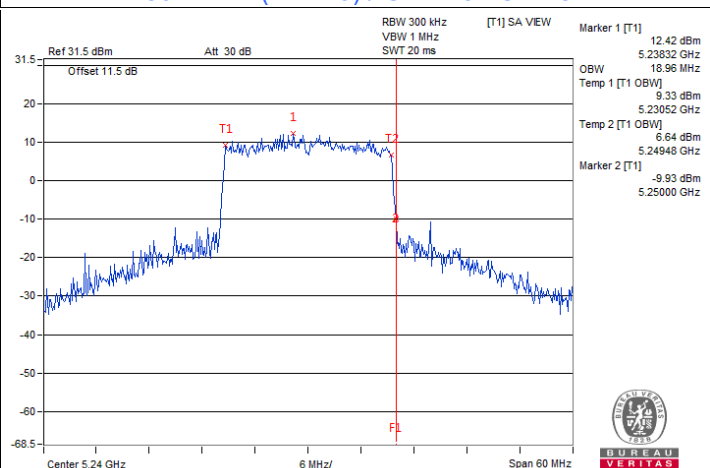
802.11a / Chain 2 : CH 48



802.11be (EHT20) / Chain 0 : CH 48

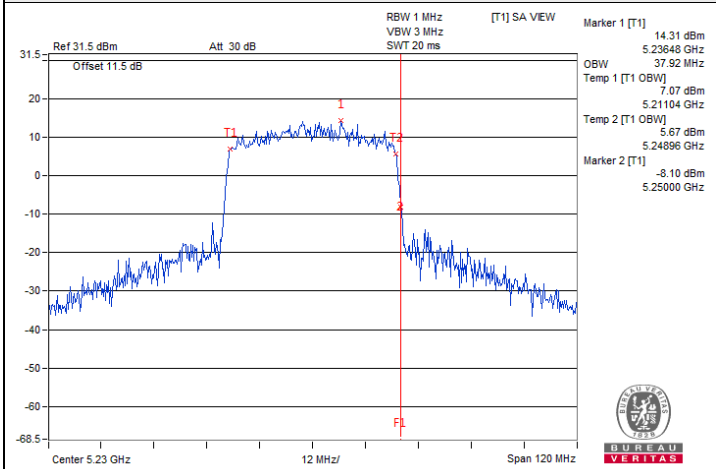


802.11be (EHT20) / Chain 1 : CH 48

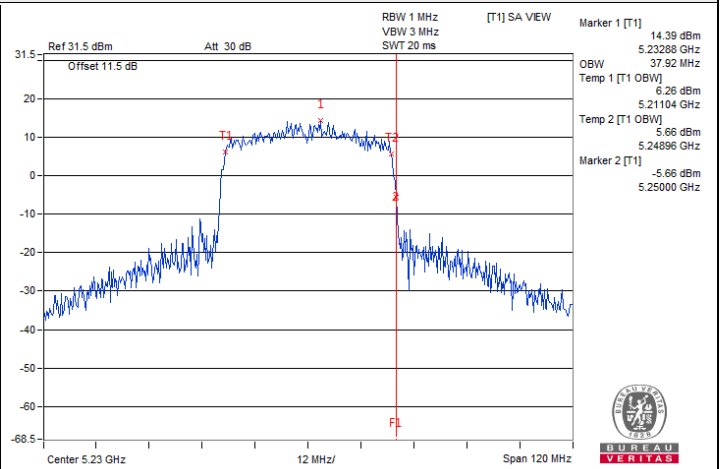


802.11be (EHT20) / Chain 2 : CH 48

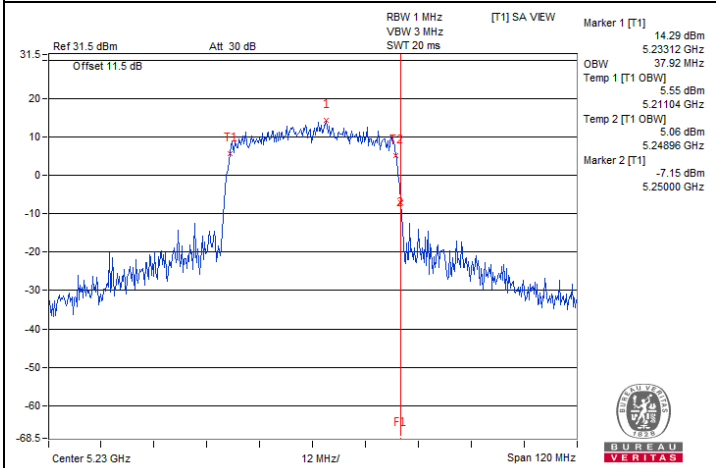
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



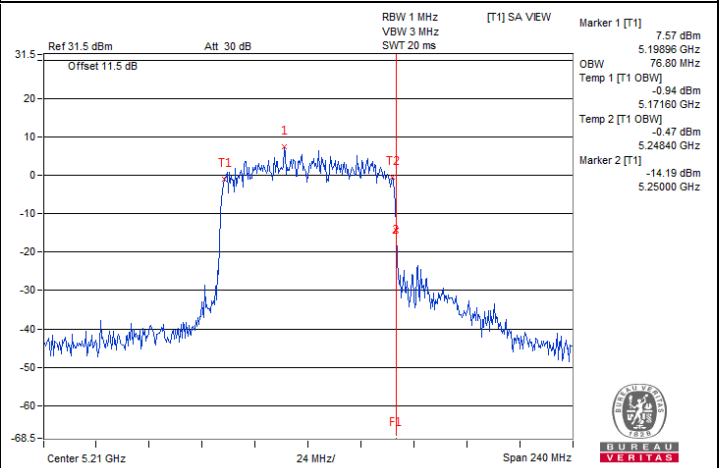
802.11be (EHT40) / Chain 0 : CH 46



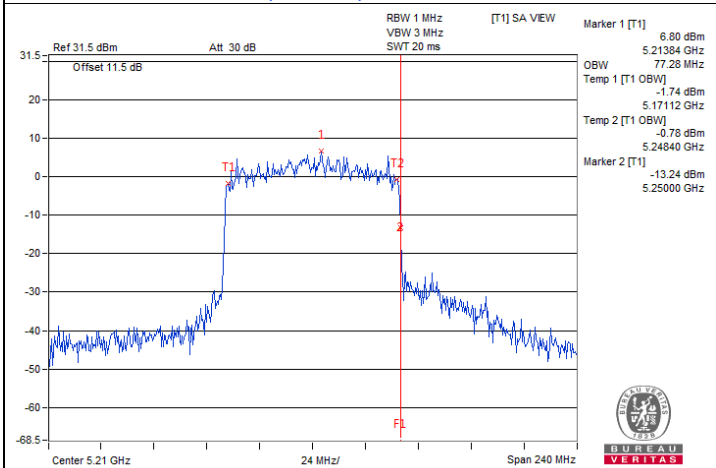
802.11be (EHT40) / Chain 1 : CH 46



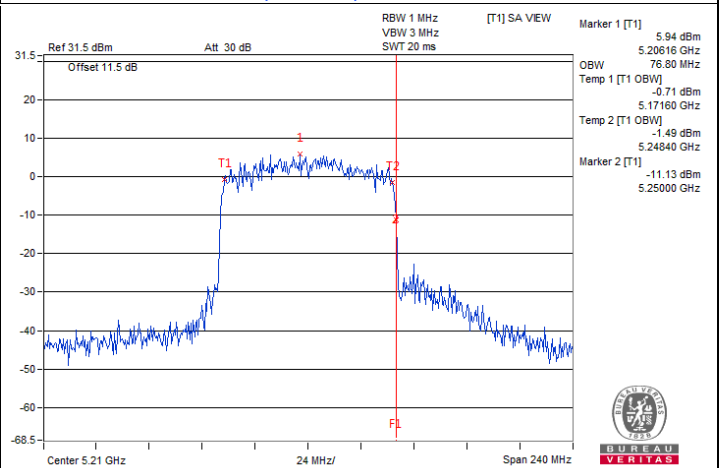
802.11be (EHT40) / Chain 2 : CH 46



802.11be (EHT80) / Chain 0 : CH 42

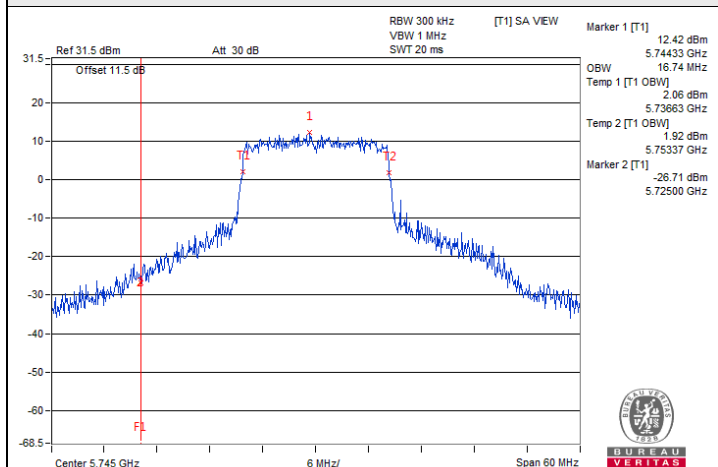


802.11be (EHT80) / Chain 1 : CH 42

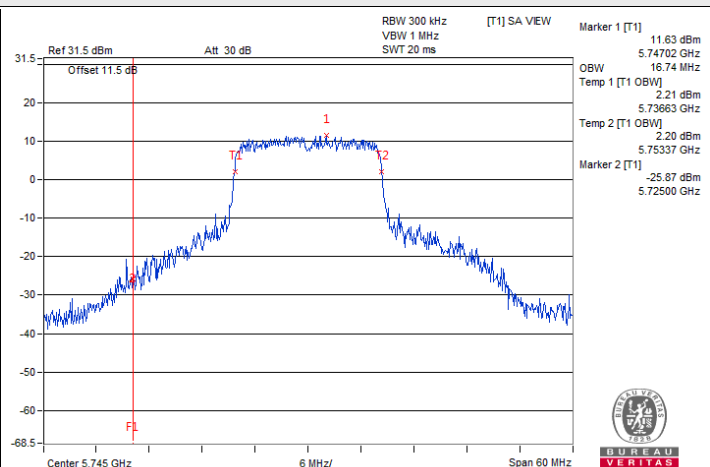


802.11be (EHT80) / Chain 2 : CH 42

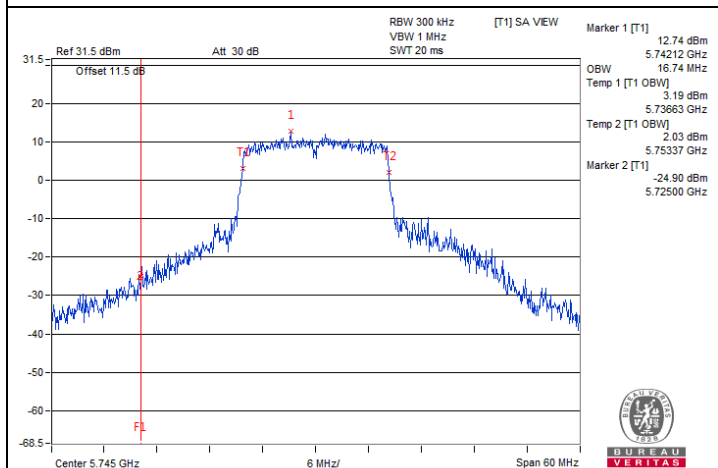
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



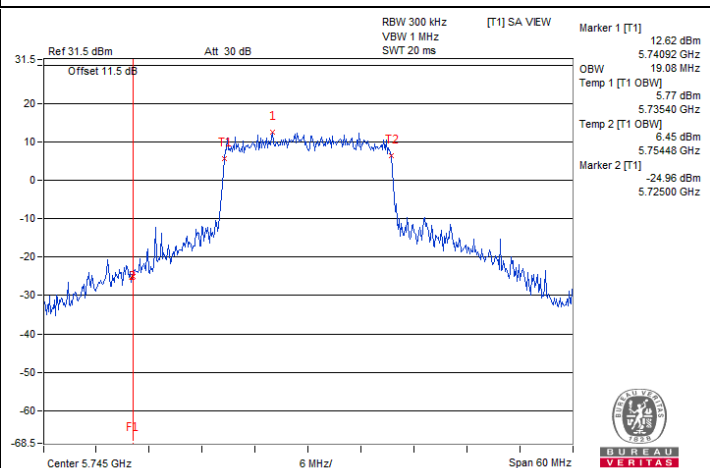
802.11a / Chain 0 : CH 149



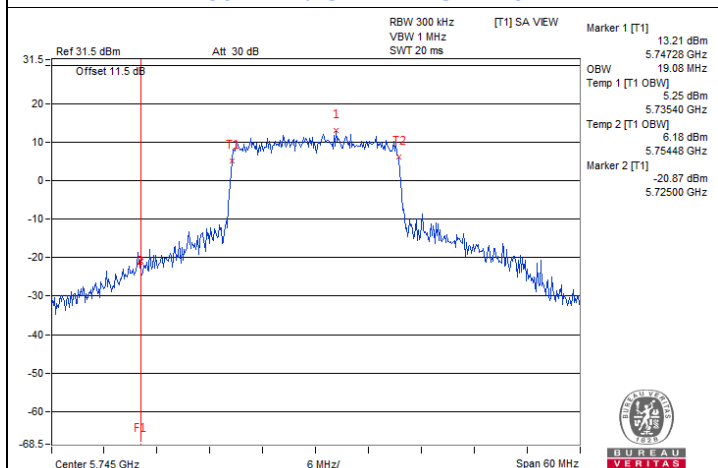
802.11a / Chain 1 : CH 149



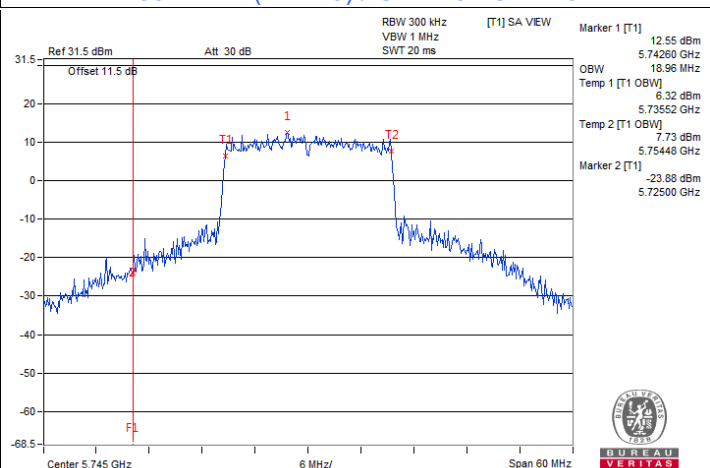
802.11a / Chain 2 : CH 149



802.11be (EHT20) / Chain 0 : CH 149

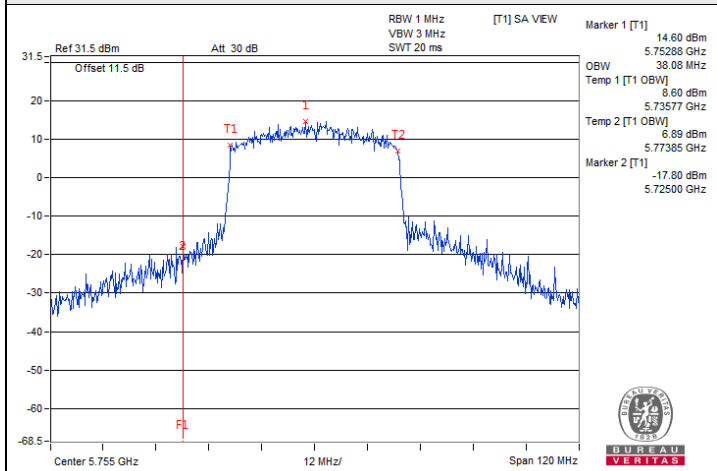


802.11be (EHT20) / Chain 1 : CH 149

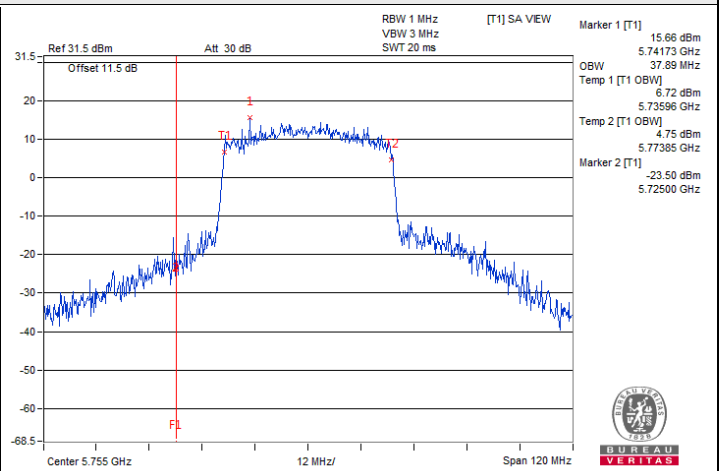


802.11be (EHT20) / Chain 2 : CH 149

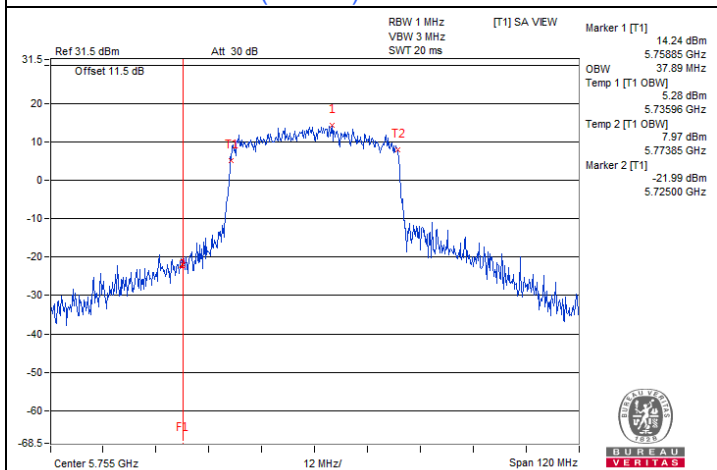
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



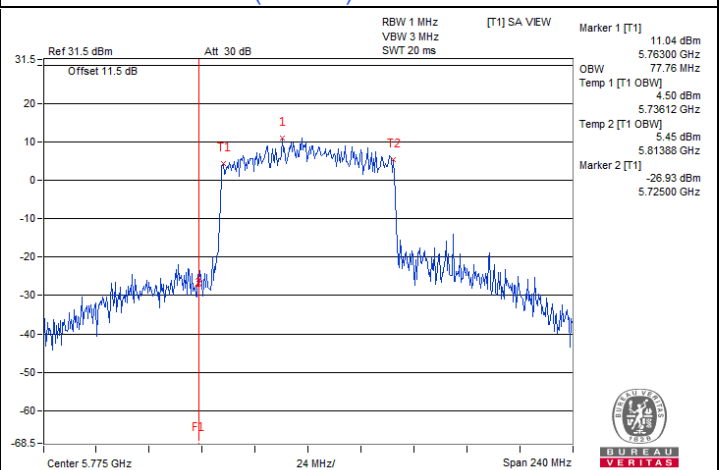
802.11be (EHT40) / Chain 0 : CH 151



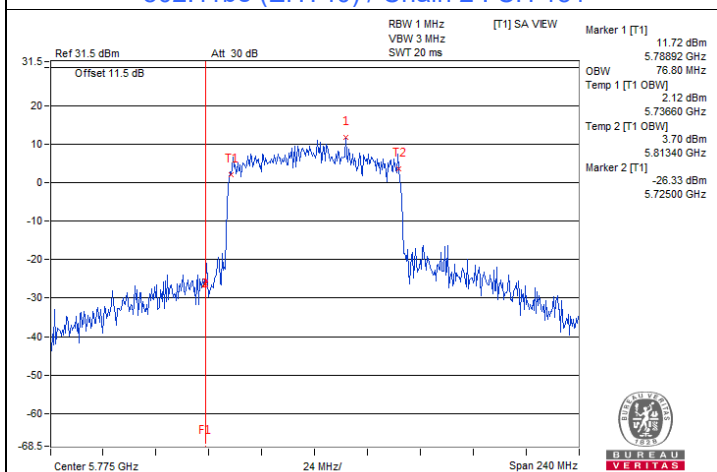
802.11be (EHT40) / Chain 1 : CH 151



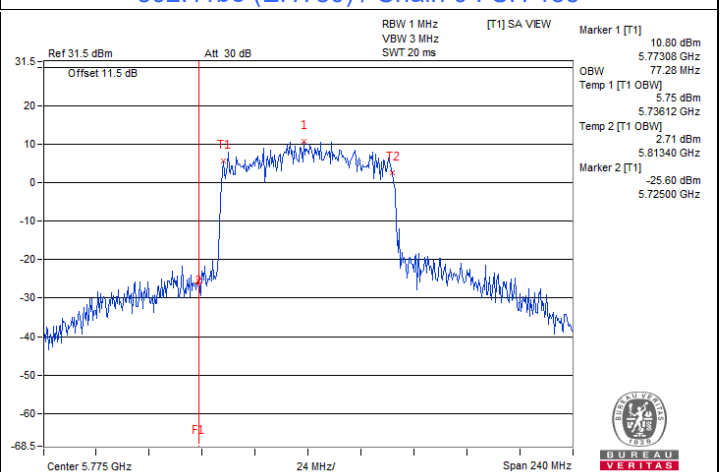
802.11be (EHT40) / Chain 2 : CH 151



802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT80) / Chain 2 : CH 155

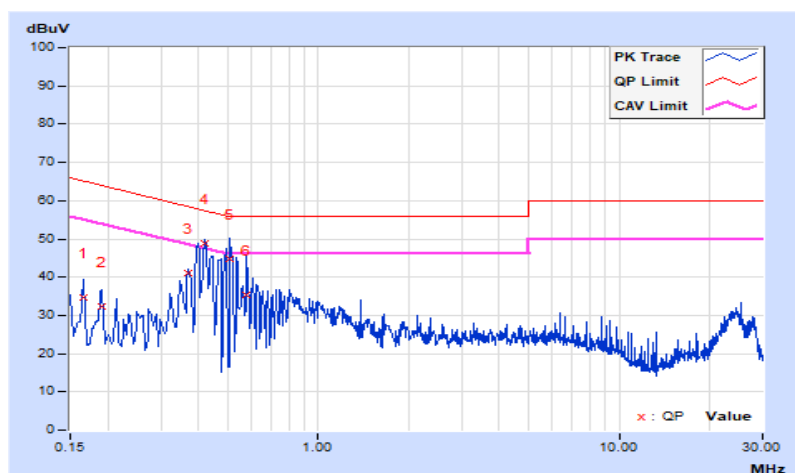
7.6 AC Power Conducted Emissions

RF Mode	802.11be (EHT20)	Channel	CH 157 : 5785 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	24 °C, 70 % RH
Tested By	Luis Lee		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16600	9.76	24.93	15.10	34.69	24.86	65.16	55.16	-30.47	-30.30
2	0.19000	9.78	22.63	14.30	32.41	24.08	64.04	54.04	-31.63	-29.96
3	0.37000	9.87	31.06	25.36	40.93	35.23	58.50	48.50	-17.57	-13.27
4	0.42200	9.88	39.09	33.96	48.97	43.84	57.41	47.41	-8.44	-3.57
5	0.51000	9.90	35.03	26.91	44.93	36.81	56.00	46.00	-11.07	-9.19
6	0.57798	9.91	25.31	17.91	35.22	27.82	56.00	46.00	-20.78	-18.18

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

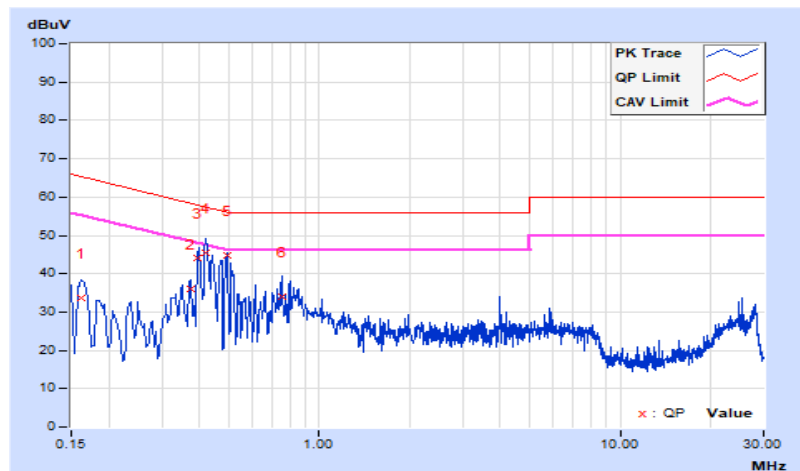


RF Mode	802.11be (EHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 70 % RH
Tested By	Luis Lee		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16190	9.71	24.00	13.17	33.71	22.88	65.37	55.37	-31.66	-32.49
2	0.37323	9.88	26.05	17.90	35.93	27.78	58.43	48.43	-22.50	-20.65
3	0.39550	9.91	34.26	25.25	44.17	35.16	57.95	47.95	-13.78	-12.79
4	0.41800	9.91	35.38	25.23	45.29	35.14	57.49	47.49	-12.20	-12.35
5	0.49800	9.93	34.86	21.77	44.79	31.70	56.03	46.03	-11.24	-14.33
6	0.75000	9.98	23.91	15.10	33.89	25.08	56.00	46.00	-22.11	-20.92

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



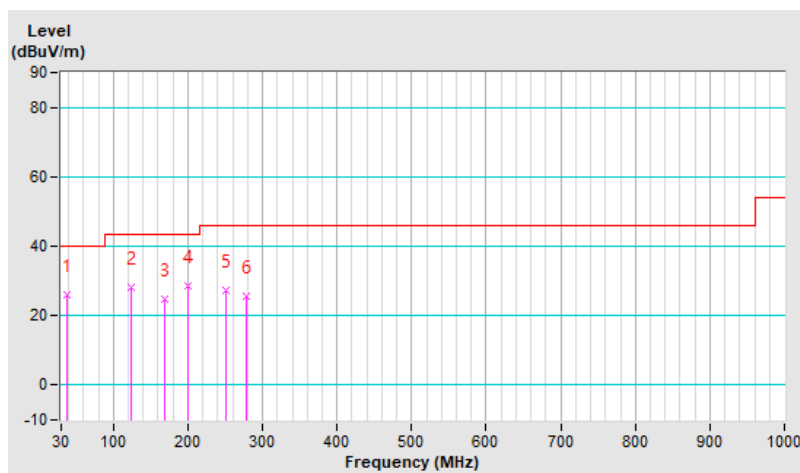
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT20)	Channel	CH 157 : 5785 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, 66 % RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	26.0 QP	40.0	-14.0	1.00 H	324	35.7	-9.7
2	123.12	28.3 QP	43.5	-15.2	1.49 H	126	39.0	-10.7
3	169.68	24.7 QP	43.5	-18.8	1.49 H	205	33.7	-9.0
4	200.72	28.7 QP	43.5	-14.8	1.00 H	285	40.2	-11.5
5	250.19	27.4 QP	46.0	-18.6	1.00 H	113	36.5	-9.1
6	279.29	25.4 QP	46.0	-20.6	1.00 H	173	33.2	-7.8

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 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.

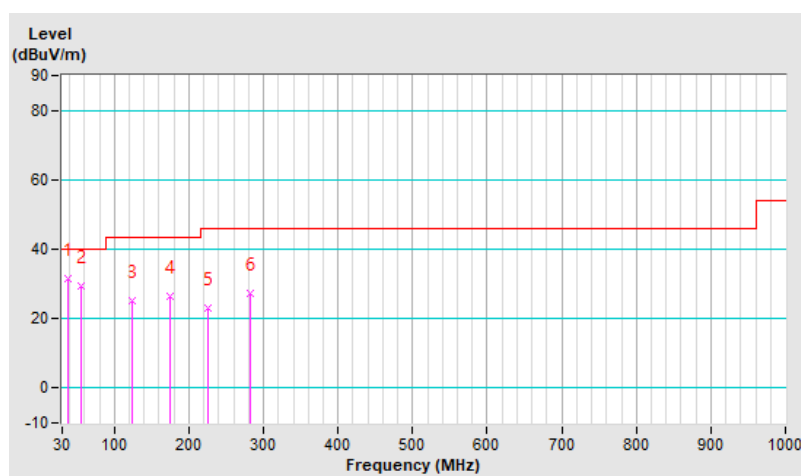


RF Mode	802.11be (EHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66 % RH
Tested By	Luis Lee		

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	37.76	31.4 QP	40.0	-8.6	1.01 V	309	41.1	-9.7
2	55.22	29.3 QP	40.0	-10.7	1.01 V	16	38.3	-9.0
3	124.09	25.2 QP	43.5	-18.3	1.49 V	224	35.8	-10.6
4	174.53	26.3 QP	43.5	-17.2	1.01 V	237	35.7	-9.4
5	225.94	23.1 QP	46.0	-22.9	1.01 V	74	34.3	-11.2
6	282.20	27.4 QP	46.0	-18.6	1.49 V	242	35.1	-7.7

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	72.1 PK	74.0	-1.9	2.24 H	64	59.0	13.1
2	5150.00	50.1 AV	54.0	-3.9	2.24 H	64	37.0	13.1
3	*5180.00	116.4 PK			2.24 H	64	73.0	43.4
4	*5180.00	106.4 AV			2.24 H	64	63.0	43.4
5	#10360.00	57.4 PK	68.2	-10.8	1.92 H	311	35.6	21.8
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	73.3 PK	74.0	-0.7	1.80 V	342	60.2	13.1
2	5150.00	50.6 AV	54.0	-3.4	1.80 V	342	37.5	13.1
3	*5180.00	118.1 PK			1.80 V	342	74.7	43.4
4	*5180.00	108.9 AV			1.80 V	342	65.5	43.4
5	#10360.00	57.6 PK	68.2	-10.6	2.22 V	192	35.8	21.8

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	5145.70	66.1 PK	74.0	-7.9	2.50 H	310	53.0	13.1
2	5145.70	50.0 AV	54.0	-4.0	2.50 H	310	36.9	13.1
3	*5200.00	118.0 PK			2.50 H	310	74.6	43.4
4	*5200.00	108.1 AV			2.50 H	310	64.7	43.4
5	#10400.00	57.4 PK	68.2	-10.8	1.84 H	305	35.5	21.9
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	73.1 PK	74.0	-0.9	1.83 V	335	60.0	13.1
2	5150.00	53.7 AV	54.0	-0.3	1.83 V	335	40.6	13.1
3	*5200.00	119.4 PK			1.83 V	335	76.0	43.4
4	*5200.00	109.8 AV			1.83 V	335	66.4	43.4
5	#10400.00	57.9 PK	68.2	-10.3	2.18 V	188	36.0	21.9

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	119.0 PK			2.29 H	311	75.8	43.2
2	*5240.00	108.4 AV			2.29 H	311	65.2	43.2
3	5350.00	60.6 PK	74.0	-13.4	2.29 H	311	47.6	13.0
4	5350.00	46.5 AV	54.0	-7.5	2.29 H	311	33.5	13.0
5	#10480.00	57.8 PK	68.2	-10.4	1.88 H	302	35.7	22.1
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	*5240.00	119.9 PK			1.68 V	336	76.7	43.2
2	*5240.00	110.4 AV			1.68 V	336	67.2	43.2
3	5350.00	61.0 PK	74.0	-13.0	1.68 V	336	48.0	13.0
4	5350.00	47.0 AV	54.0	-7.0	1.68 V	336	34.0	13.0
5	#10480.00	58.2 PK	68.2	-10.0	2.23 V	190	36.1	22.1

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	59.7 PK	74.0	-14.3	2.35 H	71	46.6	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.35 H	71	34.2	13.1
3	*5180.00	115.9 PK			2.35 H	71	72.5	43.4
4	*5180.00	104.0 AV			2.35 H	71	60.6	43.4
5	#10360.00	57.3 PK	68.2	-10.9	1.90 H	318	35.5	21.8
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	72.3 PK	74.0	-1.7	1.83 V	338	59.2	13.1
2	5150.00	53.3 AV	54.0	-0.7	1.83 V	338	40.2	13.1
3	*5180.00	121.4 PK			1.83 V	338	78.0	43.4
4	*5180.00	108.5 AV			1.83 V	338	65.1	43.4
5	#10360.00	57.8 PK	68.2	-10.4	2.25 V	193	36.0	21.8

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	62.8 PK	74.0	-11.2	2.35 H	61	49.7	13.1
2	5150.00	48.1 AV	54.0	-5.9	2.35 H	61	35.0	13.1
3	*5200.00	119.2 PK			2.35 H	61	75.8	43.4
4	*5200.00	106.9 AV			2.35 H	61	63.5	43.4
5	#10400.00	57.3 PK	68.2	-10.9	1.88 H	300	35.4	21.9
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	71.8 PK	74.0	-2.2	1.70 V	337	58.7	13.1
2	5150.00	53.3 AV	54.0	-0.7	1.70 V	337	40.2	13.1
3	*5200.00	121.6 PK			1.70 V	337	78.2	43.4
4	*5200.00	110.2 AV			1.70 V	337	66.8	43.4
5	#10400.00	58.0 PK	68.2	-10.2	2.23 V	190	36.1	21.9

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	119.9 PK			2.31 H	62	76.7	43.2
2	*5240.00	107.4 AV			2.31 H	62	64.2	43.2
3	5350.00	59.4 PK	74.0	-14.6	2.31 H	62	46.4	13.0
4	5350.00	46.6 AV	54.0	-7.4	2.31 H	62	33.6	13.0
5	#10480.00	57.5 PK	68.2	-10.7	1.98 H	300	35.4	22.1
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	*5240.00	121.6 PK			1.79 V	336	78.4	43.2
2	*5240.00	110.0 AV			1.79 V	336	66.8	43.2
3	5350.00	60.0 PK	74.0	-14.0	1.79 V	336	47.0	13.0
4	5350.00	47.0 AV	54.0	-7.0	1.79 V	336	34.0	13.0
5	#10480.00	58.1 PK	68.2	-10.1	2.25 V	187	36.0	22.1

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	62.0 PK	74.0	-12.0	2.32 H	72	48.9	13.1
2	5150.00	48.3 AV	54.0	-5.7	2.32 H	72	35.2	13.1
3	*5190.00	113.6 PK			2.32 H	72	70.3	43.3
4	*5190.00	101.3 AV			2.32 H	72	58.0	43.3
5	#10380.00	57.1 PK	68.2	-11.1	1.90 H	305	35.4	21.7
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	5150.00	69.6 PK	74.0	-4.4	1.90 V	341	56.5	13.1
2	5150.00	53.8 AV	54.0	-0.2	1.90 V	341	40.7	13.1
3	*5190.00	117.3 PK			1.90 V	341	74.0	43.3
4	*5190.00	104.8 AV			1.90 V	341	61.5	43.3
5	#10380.00	57.5 PK	68.2	-10.7	2.27 V	185	35.8	21.7

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	61.3 PK	74.0	-12.7	2.45 H	65	48.2	13.1
2	5150.00	48.6 AV	54.0	-5.4	2.45 H	65	35.5	13.1
3	*5230.00	116.6 PK			2.45 H	65	73.4	43.2
4	*5230.00	104.1 AV			2.45 H	65	60.9	43.2
5	5350.00	62.0 PK	74.0	-12.0	2.45 H	65	49.0	13.0
6	5350.00	47.0 AV	54.0	-7.0	2.45 H	65	34.0	13.0
7	#10460.00	57.5 PK	68.2	-10.7	1.78 H	299	35.5	22.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	71.1 PK	74.0	-2.9	1.90 V	333	58.0	13.1
2	5150.00	53.7 AV	54.0	-0.3	1.90 V	333	40.6	13.1
3	*5230.00	119.7 PK			1.90 V	333	76.5	43.2
4	*5230.00	107.5 AV			1.90 V	333	64.3	43.2
5	5350.00	64.0 PK	74.0	-10.0	1.90 V	333	51.0	13.0
6	5350.00	48.4 AV	54.0	-5.6	1.90 V	333	35.4	13.0
7	#10460.00	57.8 PK	68.2	-10.4	2.28 V	195	35.8	22.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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	23 °C, 66 % RH
Tested By	TitanHSU		

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	5146.30	62.5 PK	74.0	-11.5	2.39 H	64	49.4	13.1
2	5146.30	49.6 AV	54.0	-4.4	2.39 H	64	36.5	13.1
3	*5210.00	109.2 PK			2.39 H	64	65.9	43.3
4	*5210.00	97.8 AV			2.39 H	64	54.5	43.3
5	#10420.00	57.1 PK	68.2	-11.1	1.96 H	209	35.2	21.9
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	67.8 PK	74.0	-6.2	1.78 V	330	54.7	13.1
2	5150.00	53.7 AV	54.0	-0.3	1.78 V	330	40.6	13.1
3	*5210.00	112.5 PK			1.78 V	330	69.2	43.3
4	*5210.00	100.3 AV			1.78 V	330	57.0	43.3
5	#10420.00	57.6 PK	68.2	-10.6	2.30 V	188	35.7	21.9

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	60.6 PK	74.0	-13.4	2.13 H	46	47.5	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.13 H	46	34.2	13.1
3	*5260.00	112.8 PK			2.13 H	46	69.6	43.2
4	*5260.00	102.6 AV			2.13 H	46	59.4	43.2
5	#10520.00	57.3 PK	68.2	-10.9	1.94 H	305	35.2	22.1
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	61.2 PK	74.0	-12.8	1.60 V	332	48.1	13.1
2	5150.00	48.0 AV	54.0	-6.0	1.60 V	332	34.9	13.1
3	*5260.00	116.6 PK			1.60 V	332	73.4	43.2
4	*5260.00	106.8 AV			1.60 V	332	63.6	43.2
5	#10520.00	58.0 PK	68.2	-10.2	2.26 V	189	35.9	22.1

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	802.11a	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	23 °C, 66 % RH
Tested By	TitanHSU		

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	113.0 PK			2.13 H	37	69.7	43.3
2	*5300.00	102.9 AV			2.13 H	37	59.6	43.3
3	10600.00	59.7 PK	74.0	-14.3	1.99 H	302	37.5	22.2
4	10600.00	48.3 AV	54.0	-5.7	1.99 H	302	26.1	22.2
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	*5300.00	116.9 PK			2.00 V	337	73.6	43.3
2	*5300.00	106.7 AV			2.00 V	337	63.4	43.3
3	10600.00	60.1 PK	74.0	-13.9	2.26 V	197	37.9	22.2
4	10600.00	48.7 AV	54.0	-5.3	2.26 V	197	26.5	22.2

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	802.11a	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	23 °C, 66 % RH
Tested By	TitanHSU		

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	114.0 PK			2.13 H	37	70.5	43.5
2	*5320.00	102.9 AV			2.13 H	37	59.4	43.5
3	5350.00	60.3 PK	74.0	-13.7	2.13 H	37	47.3	13.0
4	5350.00	47.1 AV	54.0	-6.9	2.13 H	37	34.1	13.0
5	10640.00	59.8 PK	74.0	-14.2	1.89 H	305	37.4	22.4
6	10640.00	48.3 AV	54.0	-5.7	1.89 H	305	25.9	22.4
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	*5320.00	116.0 PK			2.00 V	356	72.5	43.5
2	*5320.00	106.0 AV			2.00 V	356	62.5	43.5
3	5350.00	60.5 PK	74.0	-13.5	2.00 V	356	47.5	13.0
4	5350.00	47.8 AV	54.0	-6.2	2.00 V	356	34.8	13.0
5	10640.00	60.2 PK	74.0	-13.8	2.29 V	185	37.8	22.4
6	10640.00	48.8 AV	54.0	-5.2	2.29 V	185	26.4	22.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	60.7 PK	74.0	-13.3	2.13 H	39	47.6	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.13 H	39	34.2	13.1
3	*5260.00	115.0 PK			2.13 H	39	71.8	43.2
4	*5260.00	102.6 AV			2.13 H	39	59.4	43.2
5	#10520.00	57.3 PK	68.2	-10.9	1.90 H	303	35.2	22.1
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	61.1 PK	74.0	-12.9	1.71 V	359	48.0	13.1
2	5150.00	47.9 AV	54.0	-6.1	1.71 V	359	34.8	13.1
3	*5260.00	117.5 PK			1.71 V	359	74.3	43.2
4	*5260.00	106.1 AV			1.71 V	359	62.9	43.2
5	#10520.00	57.8 PK	68.2	-10.4	2.19 V	199	35.7	22.1

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	115.9 PK			2.49 H	73	72.6	43.3
2	*5300.00	103.9 AV			2.49 H	73	60.6	43.3
3	10600.00	59.7 PK	74.0	-14.3	2.00 H	308	37.5	22.2
4	10600.00	48.5 AV	54.0	-5.5	2.00 H	308	26.3	22.2
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	*5300.00	118.6 PK			1.80 V	356	75.3	43.3
2	*5300.00	106.6 AV			1.80 V	356	63.3	43.3
3	10600.00	60.0 PK	74.0	-14.0	2.16 V	179	37.8	22.2
4	10600.00	48.7 AV	54.0	-5.3	2.16 V	179	26.5	22.2

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	116.2 PK			2.50 H	64	72.7	43.5
2	*5320.00	103.8 AV			2.50 H	64	60.3	43.5
3	5350.00	60.5 PK	74.0	-13.5	2.50 H	64	47.5	13.0
4	5350.00	47.2 AV	54.0	-6.8	2.50 H	64	34.2	13.0
5	10640.00	59.8 PK	74.0	-14.2	1.99 H	300	37.4	22.4
6	10640.00	48.4 AV	54.0	-5.6	1.99 H	300	26.0	22.4
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	*5320.00	118.8 PK			1.96 V	357	75.3	43.5
2	*5320.00	106.6 AV			1.96 V	357	63.1	43.5
3	5350.00	61.0 PK	74.0	-13.0	1.96 V	357	48.0	13.0
4	5350.00	47.8 AV	54.0	-6.2	1.96 V	357	34.8	13.0
5	10640.00	60.2 PK	74.0	-13.8	2.26 V	193	37.8	22.4
6	10640.00	48.8 AV	54.0	-5.2	2.26 V	193	26.4	22.4

Remarks:

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

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

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	59.8 PK	74.0	-14.2	2.58 H	60	46.7	13.1
2	5150.00	47.3 AV	54.0	-6.7	2.58 H	60	34.2	13.1
3	*5270.00	113.5 PK			2.58 H	60	70.3	43.2
4	*5270.00	101.7 AV			2.58 H	60	58.5	43.2
5	#10540.00	58.0 PK	68.2	-10.2	1.84 H	314	35.8	22.2
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	1.80 V	2	47.2	13.1
2	5150.00	48.0 AV	54.0	-6.0	1.80 V	2	34.9	13.1
3	*5270.00	116.5 PK			1.80 V	2	73.3	43.2
4	*5270.00	104.8 AV			1.80 V	2	61.6	43.2
5	#10540.00	58.7 PK	68.2	-9.5	2.28 V	194	36.5	22.2

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	114.0 PK			2.50 H	60	70.7	43.3
2	*5310.00	101.0 AV			2.50 H	60	57.7	43.3
3	5351.60	62.1 PK	74.0	-11.9	2.50 H	60	49.1	13.0
4	5351.60	48.9 AV	54.0	-5.1	2.50 H	60	35.9	13.0
5	10620.00	58.9 PK	74.0	-15.1	1.95 H	294	36.7	22.2
6	10620.00	48.4 AV	54.0	-5.6	1.95 H	294	26.2	22.2
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	*5310.00	117.4 PK			1.80 V	354	74.1	43.3
2	*5310.00	105.1 AV			1.80 V	354	61.8	43.3
3	5353.50	63.2 PK	74.0	-10.8	1.80 V	354	50.2	13.0
4	5353.50	49.6 AV	54.0	-4.4	1.80 V	354	36.6	13.0
5	10620.00	59.4 PK	74.0	-14.6	2.33 V	184	37.2	22.2
6	10620.00	48.7 AV	54.0	-5.3	2.33 V	184	26.5	22.2

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 (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	23 °C, 66 % RH
Tested By	TitanHSU		

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	110.0 PK			2.46 H	65	66.7	43.3
2	*5290.00	97.7 AV			2.46 H	65	54.4	43.3
3	5351.20	63.6 PK	74.0	-10.4	2.46 H	65	50.6	13.0
4	5351.20	50.6 AV	54.0	-3.4	2.46 H	65	37.6	13.0
5	#10580.00	59.0 PK	68.2	-9.2	1.82 H	316	36.8	22.2
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	*5290.00	112.3 PK			1.80 V	355	69.0	43.3
2	*5290.00	100.4 AV			1.80 V	355	57.1	43.3
3	5353.70	66.4 PK	74.0	-7.6	1.80 V	355	53.4	13.0
4	5353.70	53.5 AV	54.0	-0.5	1.80 V	355	40.5	13.0
5	#10580.00	59.4 PK	68.2	-8.8	2.33 V	194	37.2	22.2

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 (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	23 °C, 66 % RH
Tested By	TitanHSU		

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	61.3 PK	74.0	-12.7	1.29 H	307	48.2	13.1
2	5150.00	48.6 AV	54.0	-5.4	1.29 H	307	35.5	13.1
3	*5250.00	105.6 PK			1.29 H	307	62.4	43.2
4	*5250.00	93.9 AV			1.29 H	307	50.7	43.2
5	5350.00	61.4 PK	74.0	-12.6	1.29 H	307	48.4	13.0
6	5350.00	48.8 AV	54.0	-5.2	1.29 H	307	35.8	13.0
7	#10500.00	57.7 PK	68.2	-10.5	3.05 H	187	35.6	22.1
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	66.3 PK	74.0	-7.7	1.55 V	316	53.2	13.1
2	5150.00	53.6 AV	54.0	-0.4	1.55 V	316	40.5	13.1
3	*5250.00	107.4 PK			1.55 V	316	64.2	43.2
4	*5250.00	96.1 AV			1.55 V	316	52.9	43.2
5	5350.00	63.7 PK	74.0	-10.3	1.55 V	316	50.7	13.0
6	5350.00	50.5 AV	54.0	-3.5	1.55 V	316	37.5	13.0
7	#10500.00	57.9 PK	68.2	-10.3	2.18 V	182	35.8	22.1

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	802.11a	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	23 °C, 66 % RH
Tested By	TitanHSU		

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	60.7 PK	74.0	-13.3	1.54 H	8	47.5	13.2
2	5460.00	48.4 AV	54.0	-5.6	1.54 H	8	35.2	13.2
3	#5470.00	61.7 PK	68.2	-6.5	1.54 H	8	48.5	13.2
4	*5500.00	114.0 PK			1.54 H	8	70.2	43.8
5	*5500.00	104.4 AV			1.54 H	8	60.6	43.8
6	11000.00	59.1 PK	74.0	-14.9	1.85 H	317	36.8	22.3
7	11000.00	47.3 AV	54.0	-6.7	1.85 H	317	25.0	22.3
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	5460.00	61.2 PK	74.0	-12.8	1.78 V	343	48.0	13.2
2	5460.00	48.5 AV	54.0	-5.5	1.78 V	343	35.3	13.2
3	#5470.00	61.8 PK	68.2	-6.4	1.78 V	343	48.6	13.2
4	*5500.00	117.0 PK			1.78 V	343	73.2	43.8
5	*5500.00	107.1 AV			1.78 V	343	63.3	43.8
6	11000.00	59.5 PK	74.0	-14.5	2.28 V	192	37.2	22.3
7	11000.00	47.8 AV	54.0	-6.2	2.28 V	192	25.5	22.3

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	114.2 PK			1.38 H	9	70.3	43.9
2	*5580.00	104.9 AV			1.38 H	9	61.0	43.9
3	11160.00	59.7 PK	74.0	-14.3	1.85 H	322	37.0	22.7
4	11160.00	47.6 AV	54.0	-6.4	1.85 H	322	24.9	22.7
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	*5580.00	116.4 PK			1.92 V	339	72.5	43.9
2	*5580.00	106.0 AV			1.92 V	339	62.1	43.9
3	11160.00	60.0 PK	74.0	-14.0	2.30 V	189	37.3	22.7
4	11160.00	48.1 AV	54.0	-5.9	2.30 V	189	25.4	22.7

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.

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	23 °C, 66 % RH
Tested By	TitanHSU		

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	115.3 PK			1.48 H	4	70.9	44.4
2	*5700.00	104.7 AV			1.48 H	4	60.3	44.4
3	#5725.00	61.7 PK	68.2	-6.5	1.48 H	8	48.0	13.7
4	11400.00	60.3 PK	74.0	-13.7	1.82 H	315	36.8	23.5
5	11400.00	48.6 AV	54.0	-5.4	1.82 H	315	25.1	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.3 PK			1.77 V	343	72.9	44.4
2	*5700.00	106.9 AV			1.77 V	343	62.5	44.4
3	#5725.00	63.5 PK	68.2	-4.7	1.77 V	343	49.8	13.7
4	11400.00	60.5 PK	74.0	-13.5	2.30 V	193	37.0	23.5
5	11400.00	48.9 AV	54.0	-5.1	2.30 V	193	25.4	23.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5470.00	60.5 PK	68.2	-7.7	1.18 H	10	47.3	13.2
2	*5720.00	114.3 PK			1.18 H	10	70.0	44.3
3	*5720.00	103.7 AV			1.18 H	10	59.4	44.3
4	#5850.00	60.8 PK	68.2	-7.4	1.18 H	10	47.0	13.8
5	11440.00	60.5 PK	74.0	-13.5	1.95 H	312	37.0	23.5
6	11440.00	48.7 AV	54.0	-5.3	1.95 H	312	25.2	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.7 PK	68.2	-7.5	1.88 V	339	47.5	13.2
2	*5720.00	116.5 PK			1.88 V	339	72.2	44.3
3	*5720.00	106.0 AV			1.88 V	339	61.7	44.3
4	#5850.00	61.0 PK	68.2	-7.2	1.88 V	339	47.2	13.8
5	11440.00	60.8 PK	74.0	-13.2	2.31 V	191	37.3	23.5
6	11440.00	49.0 AV	54.0	-5.0	2.31 V	191	25.5	23.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	60.7 PK	74.0	-13.3	1.62 H	311	47.5	13.2
2	5460.00	47.7 AV	54.0	-6.3	1.62 H	311	34.5	13.2
3	#5470.00	61.2 PK	68.2	-7.0	1.62 H	311	48.0	13.2
4	*5500.00	114.7 PK			1.62 H	311	70.9	43.8
5	*5500.00	103.3 AV			1.62 H	311	59.5	43.8
6	11000.00	59.3 PK	74.0	-14.7	3.11 H	195	37.0	22.3
7	11000.00	47.5 AV	54.0	-6.5	3.11 H	195	25.2	22.3
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	5460.00	60.8 PK	74.0	-13.2	1.89 V	354	47.6	13.2
2	5460.00	47.8 AV	54.0	-6.2	1.89 V	354	34.6	13.2
3	#5470.00	61.4 PK	68.2	-6.8	1.89 V	354	48.2	13.2
4	*5500.00	118.5 PK			1.89 V	354	74.7	43.8
5	*5500.00	106.9 AV			1.89 V	354	63.1	43.8
6	11000.00	59.5 PK	74.0	-14.5	2.25 V	189	37.2	22.3
7	11000.00	47.7 AV	54.0	-6.3	2.25 V	189	25.4	22.3

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	114.7 PK			1.80 H	311	70.8	43.9
2	*5580.00	104.5 AV			1.80 H	311	60.6	43.9
3	11160.00	59.5 PK	74.0	-14.5	3.15 H	192	36.8	22.7
4	11160.00	47.9 AV	54.0	-6.1	3.15 H	192	25.2	22.7
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	*5580.00	117.7 PK			1.92 V	353	73.8	43.9
2	*5580.00	106.4 AV			1.92 V	353	62.5	43.9
3	11160.00	59.8 PK	74.0	-14.2	2.27 V	185	37.1	22.7
4	11160.00	48.1 AV	54.0	-5.9	2.27 V	185	25.4	22.7

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.

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	23 °C, 66 % RH
Tested By	TitanHSU		

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	116.4 PK			1.81 H	310	72.0	44.4
2	*5700.00	104.8 AV			1.81 H	310	60.4	44.4
3	#5725.00	61.2 PK	68.2	-7.0	1.81 H	310	47.5	13.7
4	11400.00	60.3 PK	74.0	-13.7	3.16 H	193	36.8	23.5
5	11400.00	48.6 AV	54.0	-5.4	3.16 H	193	25.1	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	119.2 PK			1.93 V	354	74.8	44.4
2	*5700.00	107.1 AV			1.93 V	354	62.7	44.4
3	#5725.00	64.7 PK	68.2	-3.5	1.93 V	354	51.0	13.7
4	11400.00	60.5 PK	74.0	-13.5	2.28 V	190	37.0	23.5
5	11400.00	48.9 AV	54.0	-5.1	2.28 V	190	25.4	23.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5470.00	60.7 PK	68.2	-7.5	1.95 H	305	47.5	13.2
2	*5720.00	116.2 PK			1.95 H	305	71.9	44.3
3	*5720.00	104.5 AV			1.95 H	305	60.2	44.3
4	#5850.00	60.8 PK	68.2	-7.4	1.95 H	305	47.0	13.8
5	11440.00	60.5 PK	74.0	-13.5	3.20 H	182	37.0	23.5
6	11440.00	48.6 AV	54.0	-5.4	3.20 H	182	25.1	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.8 PK	68.2	-7.4	1.89 V	350	47.6	13.2
2	*5720.00	118.4 PK			1.89 V	350	74.1	44.3
3	*5720.00	106.2 AV			1.89 V	350	61.9	44.3
4	#5850.00	61.0 PK	68.2	-7.2	1.89 V	350	47.2	13.8
5	11440.00	60.7 PK	74.0	-13.3	2.25 V	188	37.2	23.5
6	11440.00	48.9 AV	54.0	-5.1	2.25 V	188	25.4	23.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	61.0 PK	74.0	-13.0	1.81 H	314	47.8	13.2
2	5460.00	48.2 AV	54.0	-5.8	1.81 H	314	35.0	13.2
3	#5470.00	61.7 PK	68.2	-6.5	1.81 H	314	48.5	13.2
4	*5510.00	113.8 PK			1.81 H	314	70.0	43.8
5	*5510.00	101.7 AV			1.81 H	314	57.9	43.8
6	11020.00	59.3 PK	74.0	-14.7	3.11 H	192	36.8	22.5
7	11020.00	47.5 AV	54.0	-6.5	3.11 H	192	25.0	22.5
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	5460.00	61.2 PK	74.0	-12.8	1.78 V	358	48.0	13.2
2	5460.00	48.5 AV	54.0	-5.5	1.78 V	358	35.3	13.2
3	#5470.00	65.9 PK	68.2	-2.3	1.78 V	358	52.7	13.2
4	*5510.00	116.7 PK			1.78 V	358	72.9	43.8
5	*5510.00	104.7 AV			1.78 V	358	60.9	43.8
6	11020.00	59.5 PK	74.0	-14.5	2.22 V	192	37.0	22.5
7	11020.00	47.8 AV	54.0	-6.2	2.22 V	192	25.3	22.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	113.8 PK			1.71 H	310	70.0	43.8
2	*5550.00	102.1 AV			1.71 H	310	58.3	43.8
3	11100.00	59.6 PK	74.0	-14.4	3.15 H	193	36.9	22.7
4	11100.00	47.8 AV	54.0	-6.2	3.15 H	193	25.1	22.7
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	*5550.00	117.0 PK			1.80 V	353	73.2	43.8
2	*5550.00	104.6 AV			1.80 V	353	60.8	43.8
3	11100.00	59.8 PK	74.0	-14.2	2.21 V	190	37.1	22.7
4	11100.00	48.0 AV	54.0	-6.0	2.21 V	190	25.3	22.7

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.

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	23 °C, 66 % RH
Tested By	TitanHSU		

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	114.5 PK			1.72 H	309	70.3	44.2
2	*5670.00	102.8 AV			1.72 H	309	58.6	44.2
3	#5725.00	61.7 PK	68.2	-6.5	1.72 H	309	48.0	13.7
4	11340.00	60.1 PK	74.0	-13.9	3.09 H	192	36.8	23.3
5	11340.00	48.3 AV	54.0	-5.7	3.09 H	192	25.0	23.3
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	*5670.00	116.8 PK			1.82 V	355	72.6	44.2
2	*5670.00	104.2 AV			1.82 V	355	60.0	44.2
3	#5725.00	62.7 PK	68.2	-5.5	1.82 V	355	49.0	13.7
4	11340.00	60.3 PK	74.0	-13.7	2.29 V	191	37.0	23.3
5	11340.00	48.6 AV	54.0	-5.4	2.29 V	191	25.3	23.3

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 (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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5470.00	60.8 PK	68.2	-7.4	1.93 H	311	47.6	13.2
2	*5710.00	114.6 PK			1.93 H	311	70.3	44.3
3	*5710.00	101.9 AV			1.93 H	311	57.6	44.3
4	#5850.00	61.1 PK	68.2	-7.1	1.93 H	311	47.3	13.8
5	11420.00	60.3 PK	74.0	-13.7	3.12 H	198	36.8	23.5
6	11420.00	48.6 AV	54.0	-5.4	3.12 H	198	25.1	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.0 PK	68.2	-7.2	1.95 V	350	47.8	13.2
2	*5710.00	116.4 PK			1.95 V	350	72.1	44.3
3	*5710.00	103.8 AV			1.95 V	350	59.5	44.3
4	#5850.00	61.3 PK	68.2	-6.9	1.95 V	350	47.5	13.8
5	11420.00	60.5 PK	74.0	-13.5	2.21 V	185	37.0	23.5
6	11420.00	48.8 AV	54.0	-5.2	2.21 V	185	25.3	23.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	61.8 PK	74.0	-12.2	1.56 H	310	48.6	13.2
2	5460.00	48.8 AV	54.0	-5.2	1.56 H	310	35.6	13.2
3	#5470.00	62.7 PK	68.2	-5.5	1.56 H	310	49.5	13.2
4	*5530.00	109.2 PK			1.56 H	310	65.4	43.8
5	*5530.00	97.3 AV			1.56 H	310	53.5	43.8
6	11060.00	59.4 PK	74.0	-14.6	3.11 H	192	36.8	22.6
7	11060.00	47.6 AV	54.0	-6.4	3.11 H	192	25.0	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	5460.00	65.7 PK	74.0	-8.3	1.81 V	353	52.5	13.2
2	5460.00	53.1 AV	54.0	-0.9	1.81 V	353	39.9	13.2
3	#5470.00	67.5 PK	68.2	-0.7	1.81 V	353	54.3	13.2
4	*5530.00	112.5 PK			1.81 V	353	68.7	43.8
5	*5530.00	100.0 AV			1.81 V	353	56.2	43.8
6	11060.00	59.7 PK	74.0	-14.3	2.28 V	190	37.1	22.6
7	11060.00	47.8 AV	54.0	-6.2	2.28 V	190	25.2	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.

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	23 °C, 66 % RH
Tested By	TitanHSU		

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	110.7 PK			1.65 H	305	66.6	44.1
2	*5610.00	98.9 AV			1.65 H	305	54.8	44.1
3	#5725.00	62.4 PK	68.2	-5.8	1.65 H	305	48.7	13.7
4	11220.00	59.6 PK	74.0	-14.4	3.22 H	195	36.8	22.8
5	11220.00	47.8 AV	54.0	-6.2	3.22 H	195	25.0	22.8
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	*5610.00	113.2 PK			1.90 V	350	69.1	44.1
2	*5610.00	100.7 AV			1.90 V	350	56.6	44.1
3	#5725.00	63.7 PK	68.2	-4.5	1.90 V	350	50.0	13.7
4	11220.00	59.8 PK	74.0	-14.2	2.32 V	182	37.0	22.8
5	11220.00	48.0 AV	54.0	-6.0	2.32 V	182	25.2	22.8

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5470.00	60.4 PK	68.2	-7.8	1.77 H	308	47.2	13.2
2	*5690.00	112.6 PK			1.77 H	308	68.3	44.3
3	*5690.00	99.6 AV			1.77 H	308	55.3	44.3
4	#5850.00	61.1 PK	68.2	-7.1	1.77 H	308	47.3	13.8
5	11380.00	60.2 PK	74.0	-13.8	3.09 H	188	36.8	23.4
6	11380.00	48.5 AV	54.0	-5.5	3.09 H	188	25.1	23.4
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	#5470.00	60.7 PK	68.2	-7.5	1.92 V	354	47.5	13.2
2	*5690.00	114.6 PK			1.92 V	354	70.3	44.3
3	*5690.00	101.1 AV			1.92 V	354	56.8	44.3
4	#5850.00	61.2 PK	68.2	-7.0	1.92 V	354	47.4	13.8
5	11380.00	60.5 PK	74.0	-13.5	2.28 V	185	37.1	23.4
6	11380.00	48.7 AV	54.0	-5.3	2.28 V	185	25.3	23.4

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 (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	23 °C, 66 % RH
Tested By	TitanHSU		

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	61.4 PK	74.0	-12.6	1.47 H	304	48.2	13.2
2	5460.00	48.8 AV	54.0	-5.2	1.47 H	304	35.6	13.2
3	#5470.00	63.2 PK	68.2	-5.0	1.47 H	304	50.0	13.2
4	*5570.00	105.6 PK			1.47 H	304	61.7	43.9
5	*5570.00	94.7 AV			1.47 H	304	50.8	43.9
6	#5725.00	62.9 PK	68.2	-5.3	1.47 H	304	49.2	13.7
7	11140.00	61.3 PK	74.0	-12.7	3.05 H	189	38.5	22.8
8	11140.00	48.0 AV	54.0	-6.0	3.05 H	189	25.2	22.8
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	68.0 PK	74.0	-6.0	1.87 V	354	54.8	13.2
2	5460.00	53.7 AV	54.0	-0.3	1.87 V	354	40.5	13.2
3	#5470.00	68.0 PK	68.2	-0.2	1.87 V	354	54.8	13.2
4	*5570.00	109.4 PK			1.87 V	354	65.5	43.9
5	*5570.00	96.5 AV			1.87 V	354	52.6	43.9
6	#5725.00	63.5 PK	68.2	-4.7	1.87 V	354	49.8	13.7
7	11140.00	61.5 PK	74.0	-12.5	2.21 V	190	38.7	22.8
8	11140.00	48.2 AV	54.0	-5.8	2.21 V	190	25.4	22.8

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5616.40	59.3 PK	68.2	-8.9	1.23 H	318	45.9	13.4
2	*5745.00	119.6 PK			1.23 H	318	75.2	44.4
3	*5745.00	109.3 AV			1.23 H	318	64.9	44.4
4	#5996.40	60.6 PK	68.2	-7.6	1.23 H	318	46.7	13.9
5	11490.00	62.0 PK	74.0	-12.0	3.11 H	195	38.5	23.5
6	11490.00	49.3 AV	54.0	-4.7	3.11 H	195	25.8	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.60	61.1 PK	68.2	-7.1	1.92 V	345	47.7	13.4
2	*5745.00	121.2 PK			1.92 V	345	76.8	44.4
3	*5745.00	110.8 AV			1.92 V	345	66.4	44.4
4	#5928.00	60.8 PK	68.2	-7.4	1.92 V	345	46.7	14.1
5	11490.00	62.7 PK	74.0	-11.3	2.32 V	182	39.2	23.5
6	11490.00	49.7 AV	54.0	-4.3	2.32 V	182	26.2	23.5

Remarks:

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

RF Mode	802.11a	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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5634.80	58.9 PK	68.2	-9.3	1.22 H	309	45.5	13.4
2	*5785.00	120.0 PK			1.22 H	309	75.4	44.6
3	*5785.00	109.2 AV			1.22 H	309	64.6	44.6
4	#5936.00	60.0 PK	68.2	-8.2	1.22 H	309	45.9	14.1
5	11570.00	61.7 PK	74.0	-12.3	3.11 H	182	38.6	23.1
6	11570.00	48.8 AV	54.0	-5.2	3.11 H	182	25.7	23.1
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	#5630.00	60.3 PK	68.2	-7.9	2.00 V	342	46.9	13.4
2	*5785.00	120.8 PK			2.00 V	342	76.2	44.6
3	*5785.00	110.3 AV			2.00 V	342	65.7	44.6
4	#5938.80	60.8 PK	68.2	-7.4	2.00 V	342	46.7	14.1
5	11570.00	62.1 PK	74.0	-11.9	2.33 V	185	39.0	23.1
6	11570.00	49.2 AV	54.0	-4.8	2.33 V	185	26.1	23.1

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	802.11a	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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5620.40	59.6 PK	68.2	-8.6	1.32 H	342	46.2	13.4
2	*5825.00	118.4 PK			1.32 H	352	73.7	44.7
3	*5825.00	108.6 AV			1.32 H	352	63.9	44.7
4	#5982.40	60.8 PK	68.2	-7.4	1.32 H	342	46.8	14.0
5	11650.00	61.1 PK	74.0	-12.9	3.12 H	183	38.6	22.5
6	11650.00	48.3 AV	54.0	-5.7	3.12 H	183	25.8	22.5
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	#5641.20	60.8 PK	68.2	-7.4	1.96 V	340	47.3	13.5
2	*5825.00	120.2 PK			1.96 V	340	75.5	44.7
3	*5825.00	109.8 AV			1.96 V	340	65.1	44.7
4	#5946.00	61.5 PK	68.2	-6.7	1.96 V	340	47.3	14.2
5	11650.00	61.5 PK	74.0	-12.5	2.33 V	185	39.0	22.5
6	11650.00	48.6 AV	54.0	-5.4	2.33 V	185	26.1	22.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5630.80	59.6 PK	68.2	-8.6	1.55 H	307	46.2	13.4
2	*5745.00	120.6 PK			1.55 H	307	76.2	44.4
3	*5745.00	109.4 AV			1.55 H	307	65.0	44.4
4	#5954.80	60.7 PK	68.2	-7.5	1.55 H	307	46.5	14.2
5	11490.00	62.1 PK	74.0	-11.9	3.13 H	193	38.6	23.5
6	11490.00	49.3 AV	54.0	-4.7	3.13 H	193	25.8	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	61.1 PK	68.2	-7.1	1.93 V	349	47.6	13.5
2	*5745.00	121.8 PK			1.93 V	349	77.4	44.4
3	*5745.00	110.2 AV			1.93 V	349	65.8	44.4
4	#5971.20	60.9 PK	68.2	-7.3	1.93 V	349	46.9	14.0
5	11490.00	62.5 PK	74.0	-11.5	2.31 V	185	39.0	23.5
6	11490.00	49.6 AV	54.0	-4.4	2.31 V	185	26.1	23.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5640.40	58.9 PK	68.2	-9.3	1.68 H	302	45.5	13.4
2	*5785.00	120.6 PK			1.68 H	302	76.0	44.6
3	*5785.00	109.7 AV			1.68 H	302	65.1	44.6
4	#5935.20	60.2 PK	68.2	-8.0	1.68 H	302	46.1	14.1
5	11570.00	61.8 PK	74.0	-12.2	3.15 H	197	38.7	23.1
6	11570.00	49.0 AV	54.0	-5.0	3.15 H	197	25.9	23.1
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	#5609.60	61.0 PK	68.2	-7.2	1.97 V	355	47.6	13.4
2	*5785.00	121.4 PK			1.97 V	355	76.8	44.6
3	*5785.00	110.1 AV			1.97 V	355	65.5	44.6
4	#5952.80	60.8 PK	68.2	-7.4	1.97 V	355	46.6	14.2
5	11570.00	62.3 PK	74.0	-11.7	2.29 V	189	39.2	23.1
6	11570.00	49.3 AV	54.0	-4.7	2.29 V	189	26.2	23.1

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	59.2 PK	68.2	-9.0	1.52 H	305	45.9	13.3
2	*5825.00	120.3 PK			1.52 H	305	75.6	44.7
3	*5825.00	109.2 AV			1.52 H	305	64.5	44.7
4	#5955.60	60.5 PK	68.2	-7.7	1.52 H	305	46.3	14.2
5	11650.00	61.3 PK	74.0	-12.7	3.11 H	184	38.8	22.5
6	11650.00	48.3 AV	54.0	-5.7	3.11 H	184	25.8	22.5
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	#5611.20	60.4 PK	68.2	-7.8	1.97 V	352	47.0	13.4
2	*5825.00	121.4 PK			1.97 V	352	76.7	44.7
3	*5825.00	109.7 AV			1.97 V	352	65.0	44.7
4	#5930.40	61.5 PK	68.2	-6.7	1.97 V	352	47.4	14.1
5	11650.00	61.5 PK	74.0	-12.5	2.25 V	190	39.0	22.5
6	11650.00	48.6 AV	54.0	-5.4	2.25 V	190	26.1	22.5

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5647.60	59.8 PK	68.2	-8.4	1.35 H	307	46.3	13.5
2	*5755.00	118.3 PK			1.35 H	307	73.8	44.5
3	*5755.00	107.0 AV			1.35 H	307	62.5	44.5
4	#5947.20	60.5 PK	68.2	-7.7	1.35 H	307	46.3	14.2
5	11510.00	61.9 PK	74.0	-12.1	3.12 H	190	38.6	23.3
6	11510.00	48.8 AV	54.0	-5.2	3.12 H	190	25.5	23.3
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	#5646.00	67.6 PK	68.2	-0.6	2.04 V	354	54.1	13.5
2	*5755.00	120.4 PK			2.04 V	354	75.9	44.5
3	*5755.00	107.8 AV			2.04 V	354	63.3	44.5
4	#5936.00	60.9 PK	68.2	-7.3	2.04 V	354	46.8	14.1
5	11510.00	62.3 PK	74.0	-11.7	2.32 V	187	39.0	23.3
6	11510.00	49.2 AV	54.0	-4.8	2.32 V	187	25.9	23.3

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 (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	23 °C, 66 % RH
Tested By	TitanHSU		

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	#5645.60	60.4 PK	68.2	-7.8	1.42 H	308	46.9	13.5
2	*5795.00	119.0 PK			1.42 H	308	74.3	44.7
3	*5795.00	107.2 AV			1.42 H	308	62.5	44.7
4	#5937.20	61.7 PK	68.2	-6.5	1.42 H	308	47.6	14.1
5	11590.00	61.4 PK	74.0	-12.6	3.02 H	195	38.5	22.9
6	11590.00	48.4 AV	54.0	-5.6	3.02 H	195	25.5	22.9
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	#5649.20	66.1 PK	68.2	-2.1	1.96 V	356	52.6	13.5
2	*5795.00	119.8 PK			1.96 V	356	75.1	44.7
3	*5795.00	107.9 AV			1.96 V	356	63.2	44.7
4	#5927.20	67.3 PK	68.2	-0.9	1.96 V	356	53.2	14.1
5	11590.00	61.9 PK	74.0	-12.1	2.22 V	190	39.0	22.9
6	11590.00	48.7 AV	54.0	-5.3	2.22 V	190	25.8	22.9

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 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	23 °C, 66 % RH
Tested By	TitanHSU		

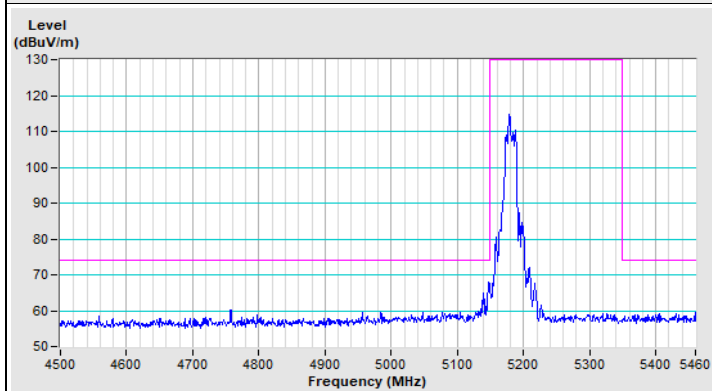
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.80	60.9 PK	68.2	-7.3	1.35 H	298	47.5	13.4
2	*5775.00	112.6 PK			1.35 H	298	68.0	44.6
3	*5775.00	100.6 AV			1.35 H	298	56.0	44.6
4	#5994.00	61.4 PK	68.2	-6.8	1.35 H	298	47.4	14.0
5	11550.00	61.7 PK	74.0	-12.3	3.05 H	195	38.5	23.2
6	11550.00	48.3 AV	54.0	-5.7	3.05 H	195	25.1	23.2
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	#5649.20	67.8 PK	68.2	-0.4	1.97 V	354	54.3	13.5
2	*5775.00	114.6 PK			1.97 V	354	70.0	44.6
3	*5775.00	102.3 AV			1.97 V	354	57.7	44.6
4	#5930.40	63.0 PK	68.2	-5.2	1.97 V	354	48.9	14.1
5	11550.00	62.0 PK	74.0	-12.0	2.23 V	186	38.8	23.2
6	11550.00	48.7 AV	54.0	-5.3	2.23 V	186	25.5	23.2

Remarks:

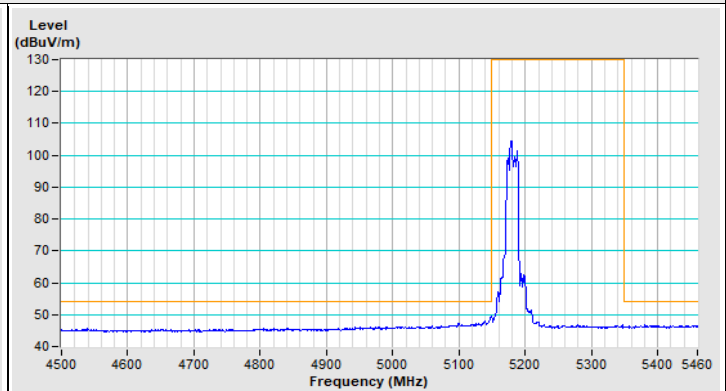
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2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit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

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
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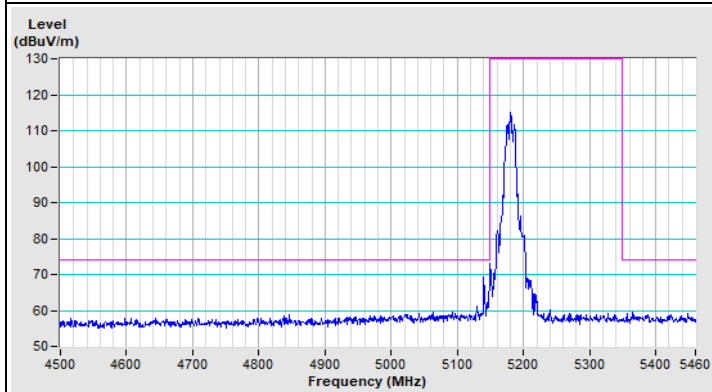
802.11a Channel 36



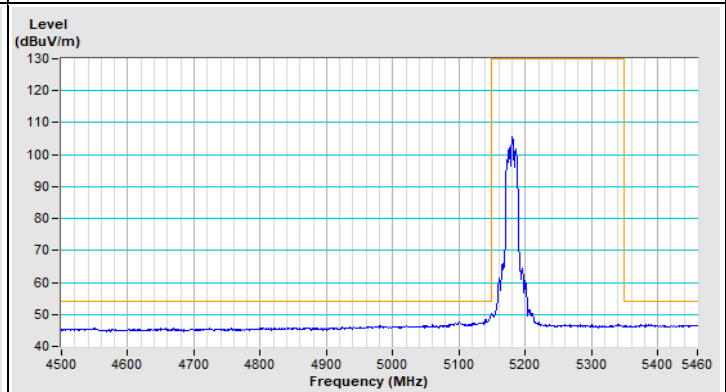
Horizontal (Peak)



Horizontal (Average)

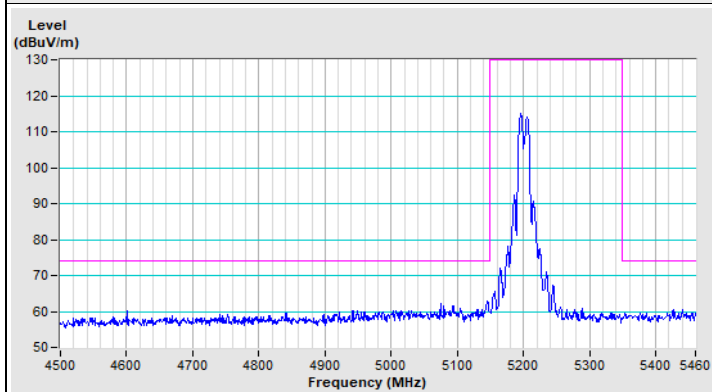


Vertical (Peak)

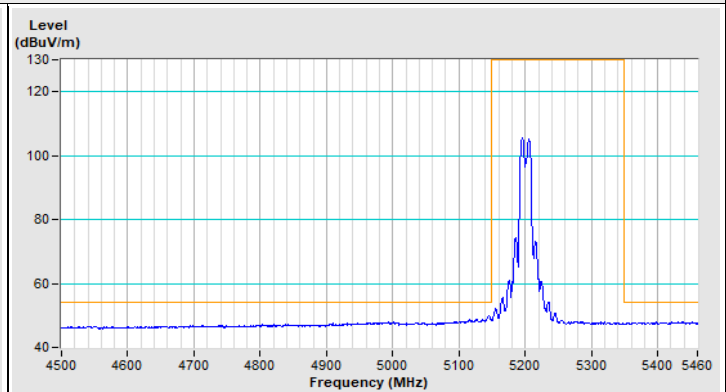


Vertical (Average)

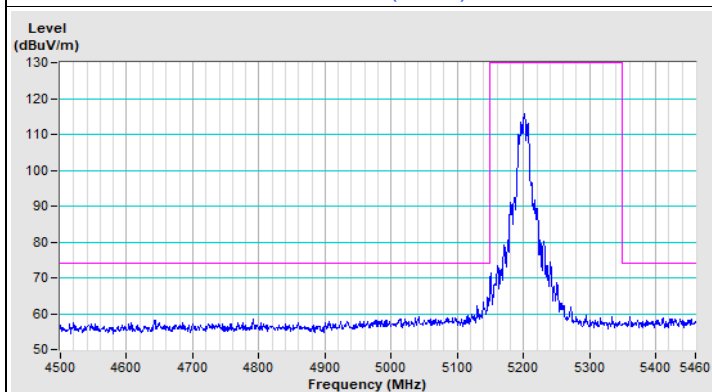
802.11a Channel 40



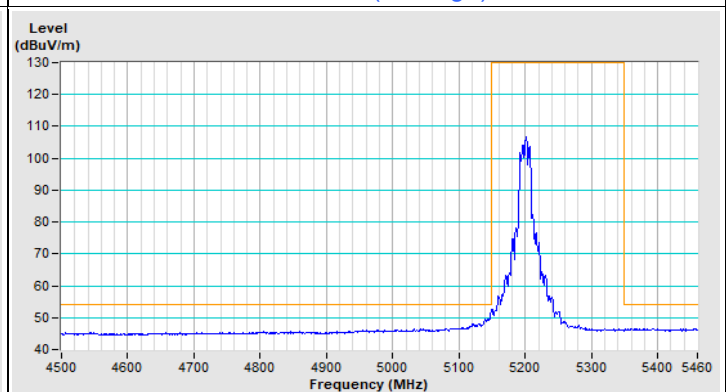
Horizontal (Peak)



Horizontal (Average)

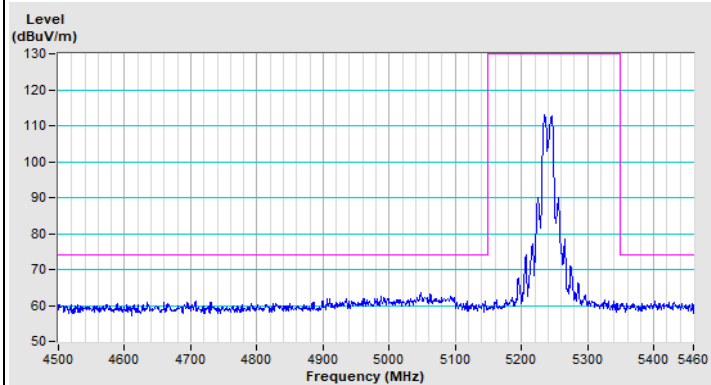


Vertical (Peak)

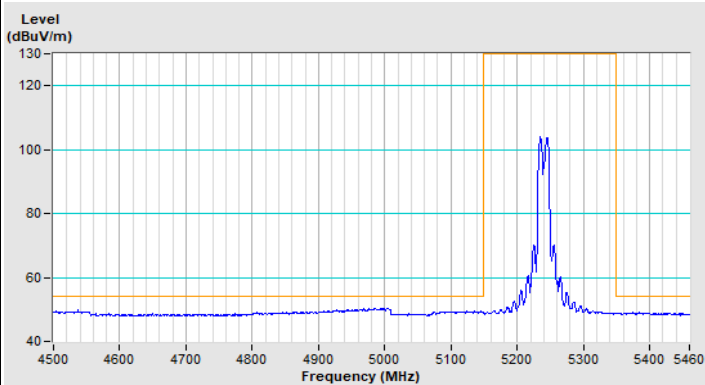


Vertical (Average)

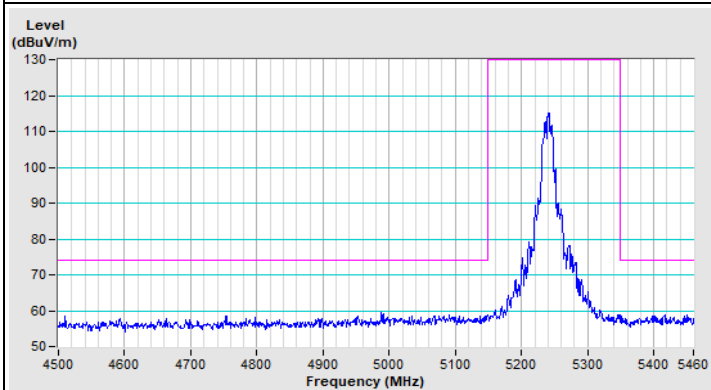
802.11a Channel 48



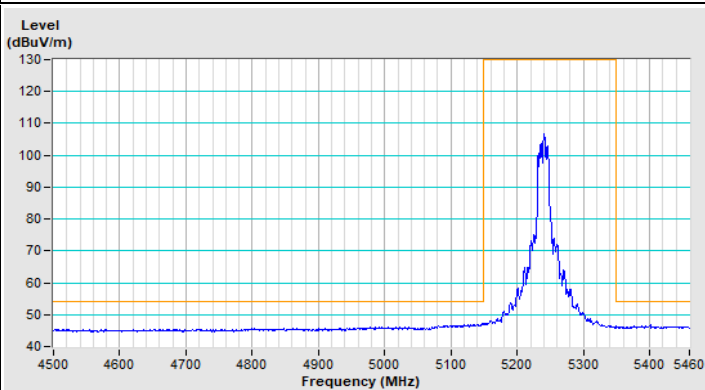
Horizontal (Peak)



Horizontal (Average)



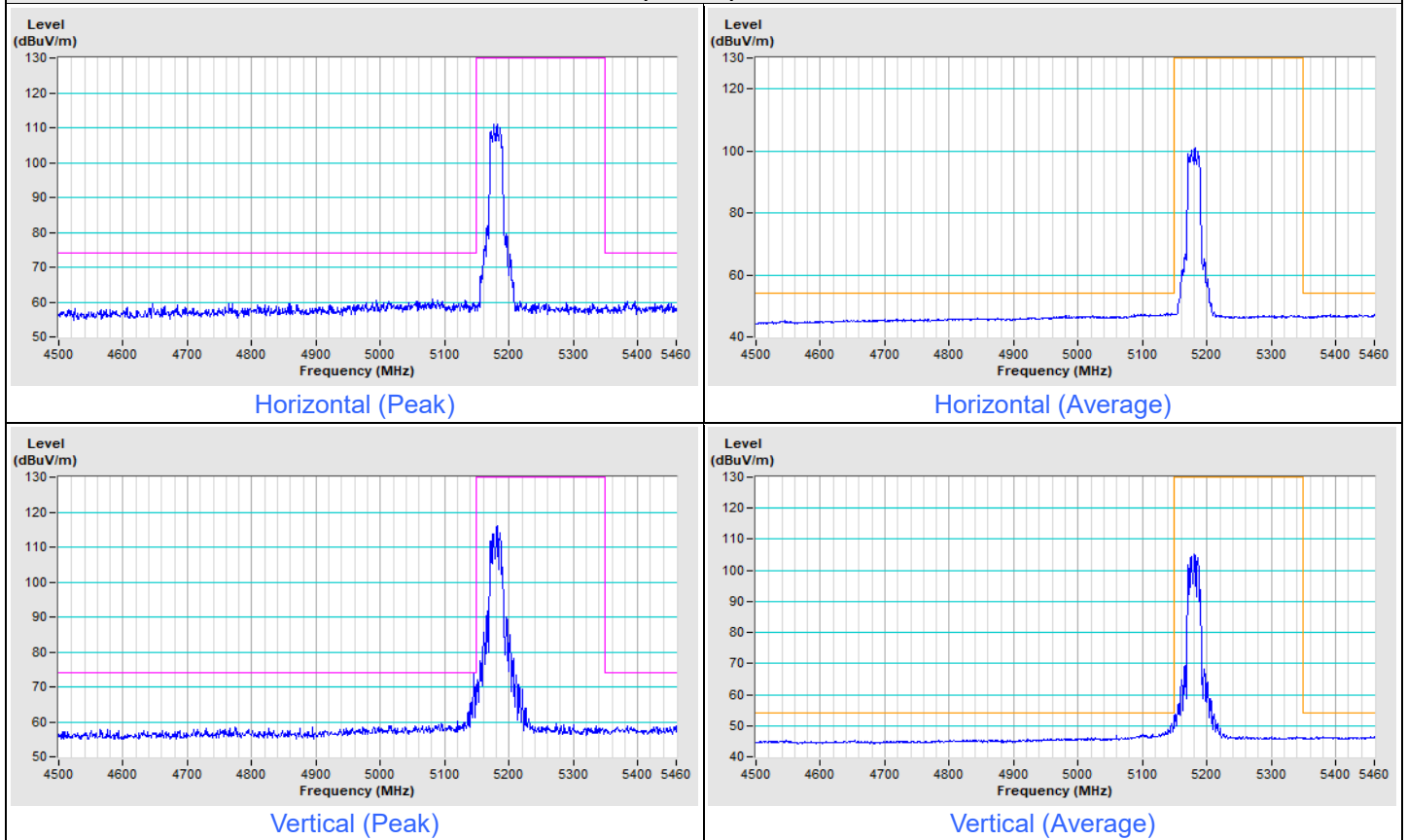
Vertical (Peak)



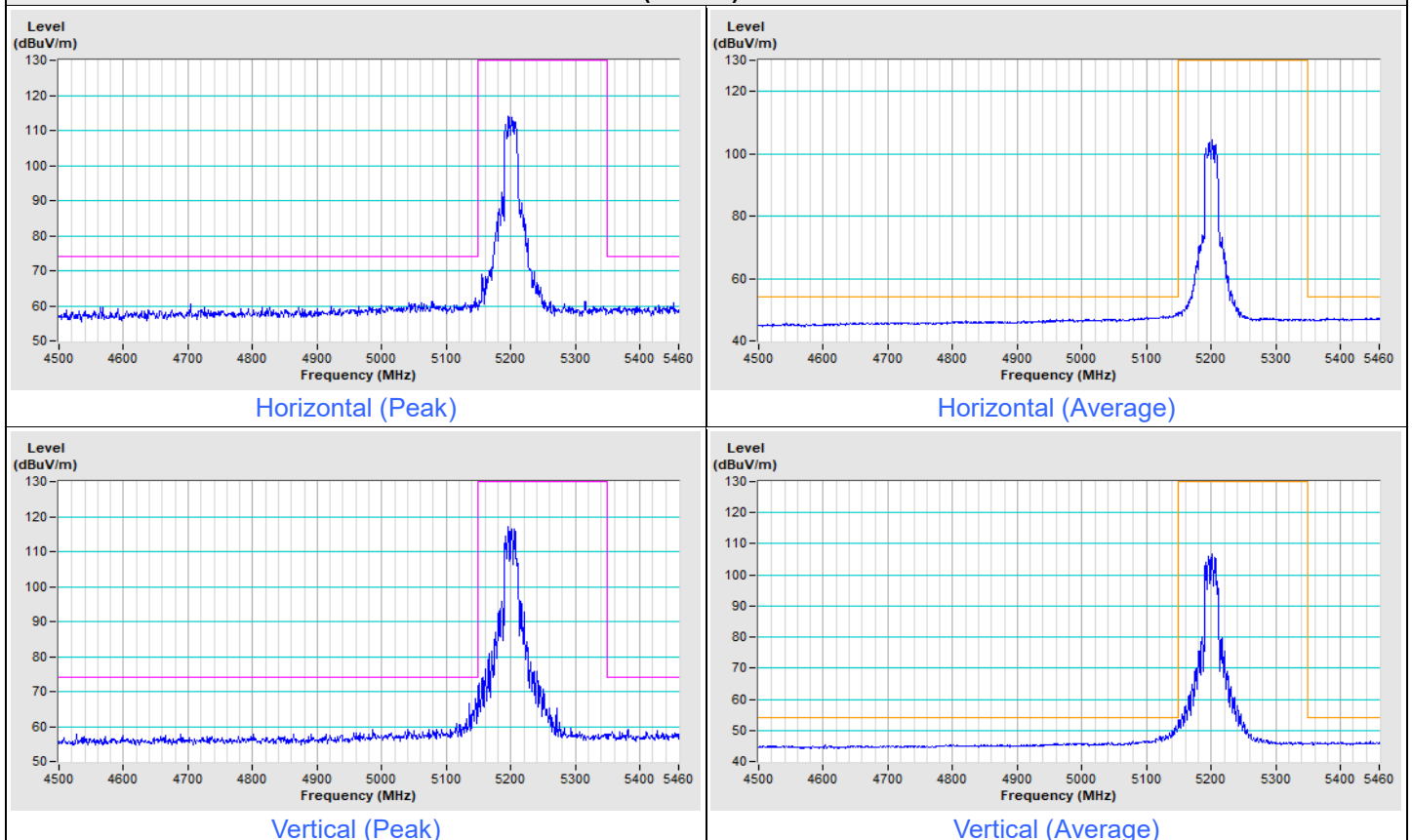
Vertical (Average)

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
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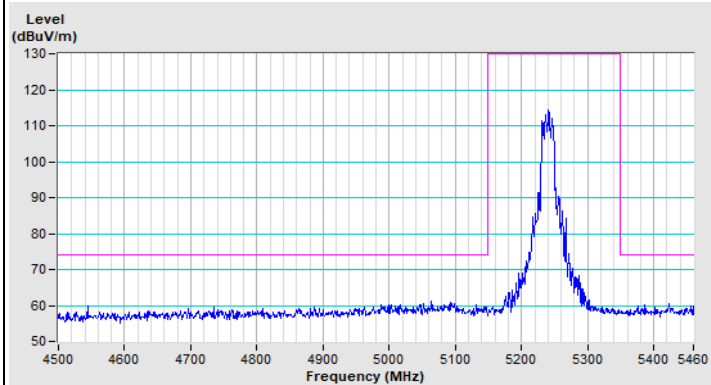
802.11be (EHT20) Channel 36



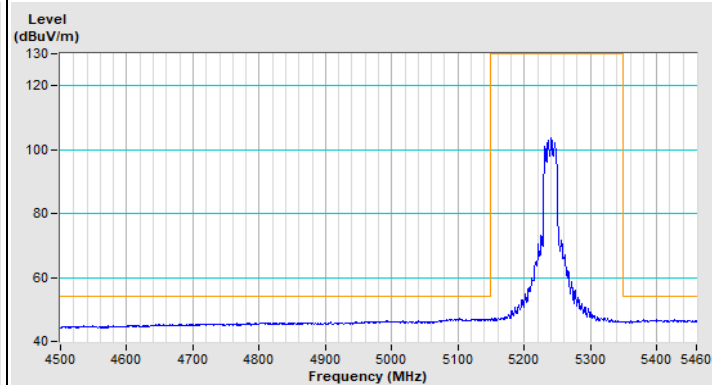
802.11be (EHT20) Channel 40



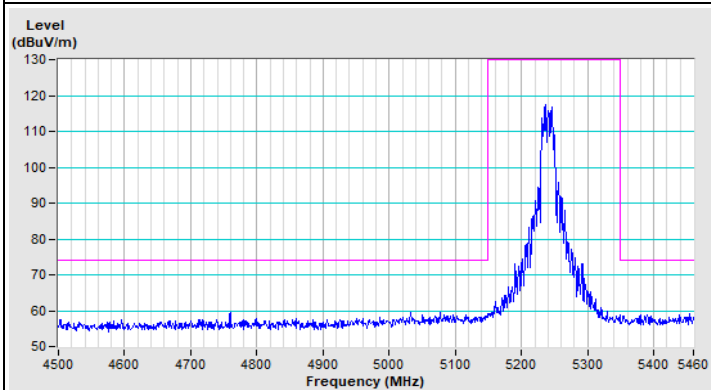
802.11be (EHT20) Channel 48



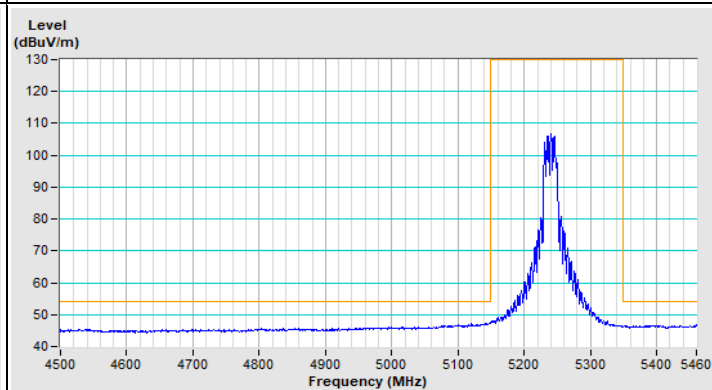
Horizontal (Peak)



Horizontal (Average)



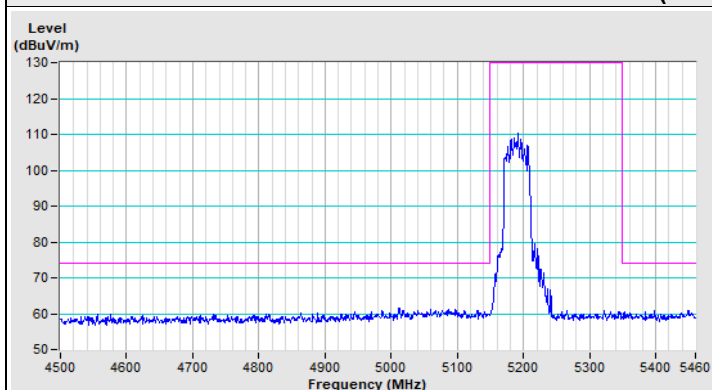
Vertical (Peak)



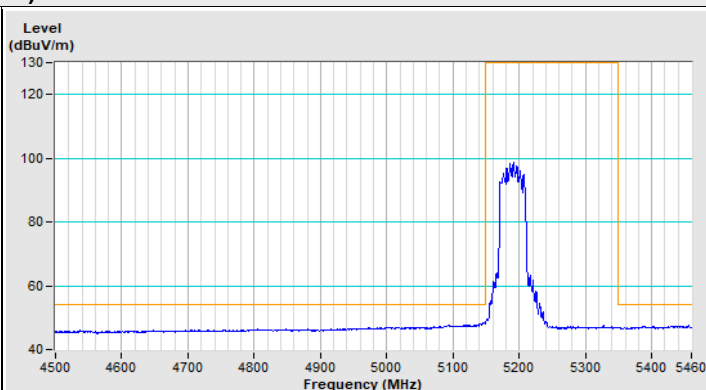
Vertical (Average)

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
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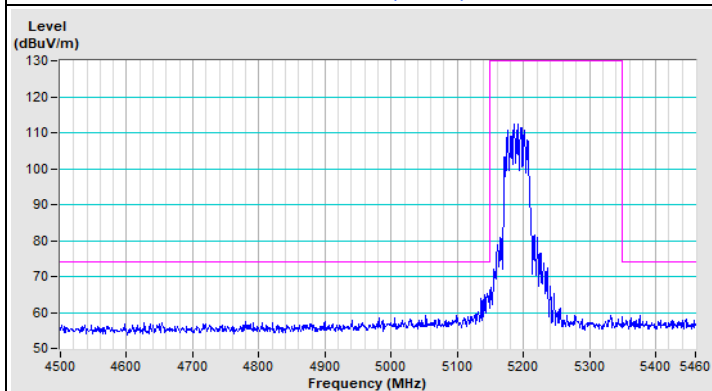
802.11be (EHT40) Channel 38



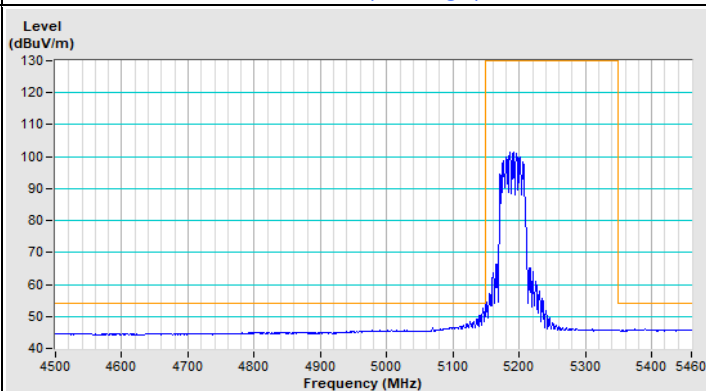
Horizontal (Peak)



Horizontal (Average)

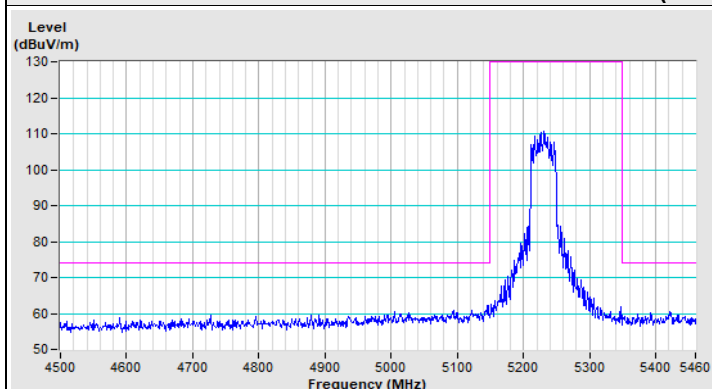


Vertical (Peak)

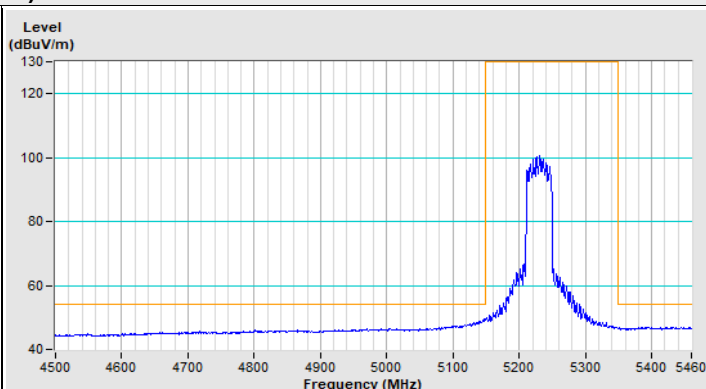


Vertical (Average)

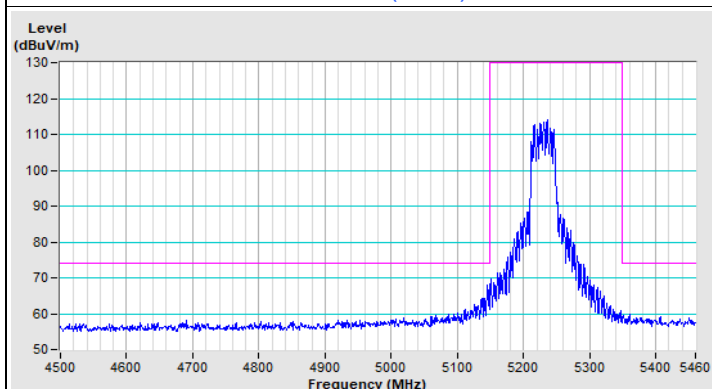
802.11be (EHT40) Channel 46



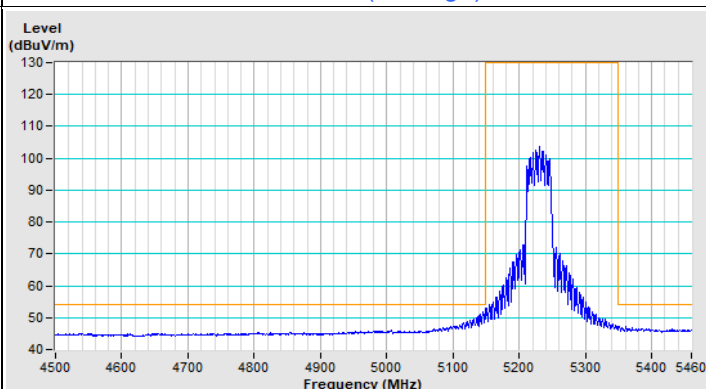
Horizontal (Peak)



Horizontal (Average)



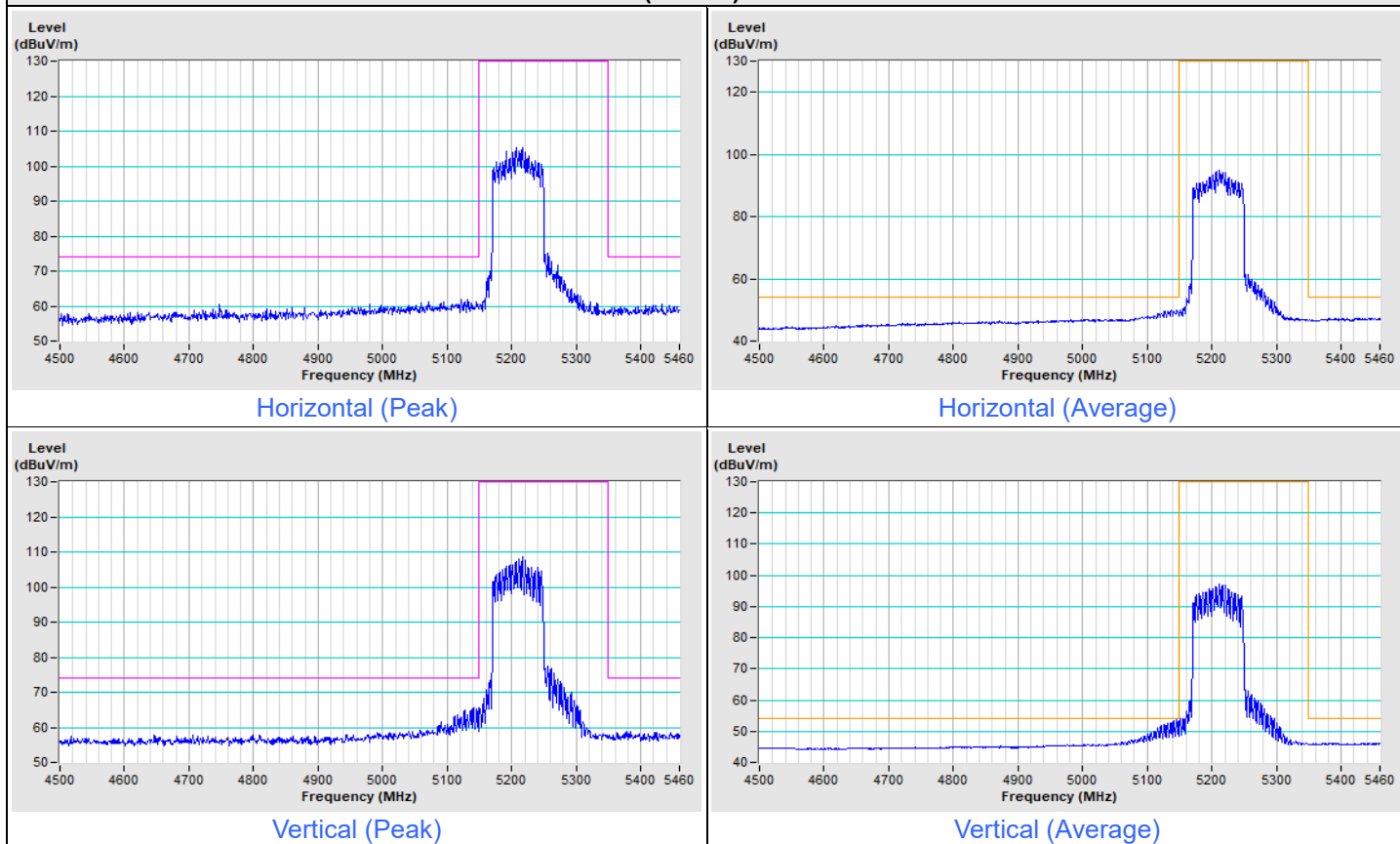
Vertical (Peak)



Vertical (Average)

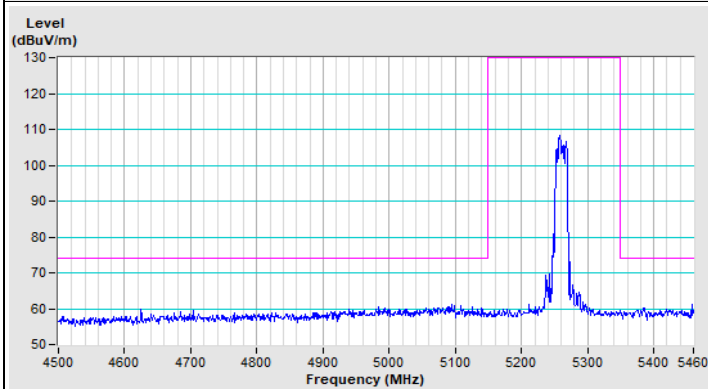
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 42

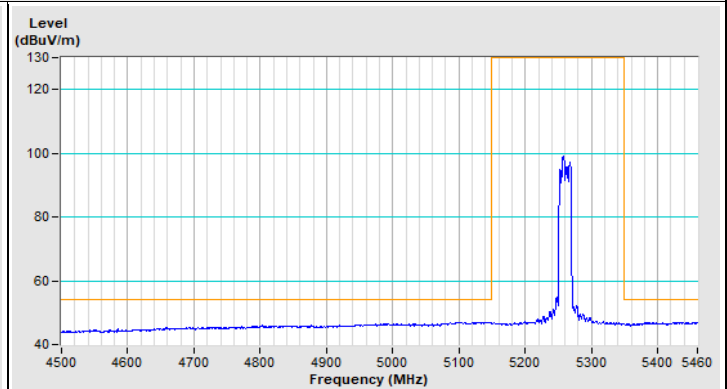


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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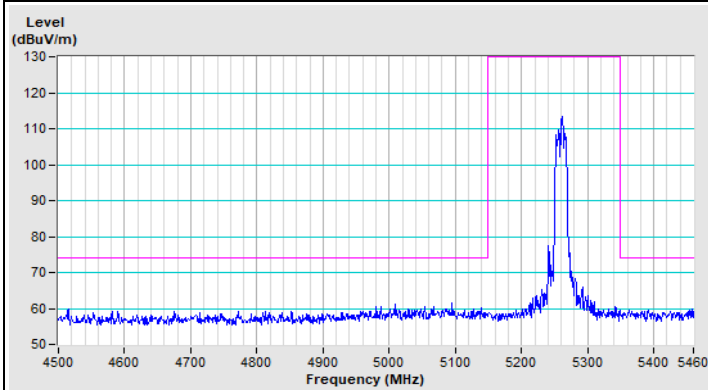
802.11a Channel 52



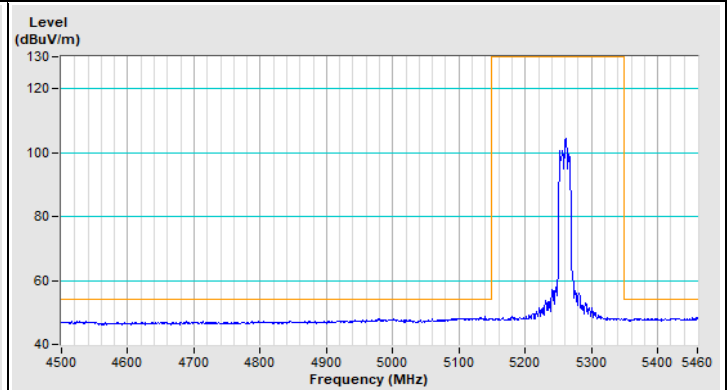
Horizontal (Peak)



Horizontal (Average)

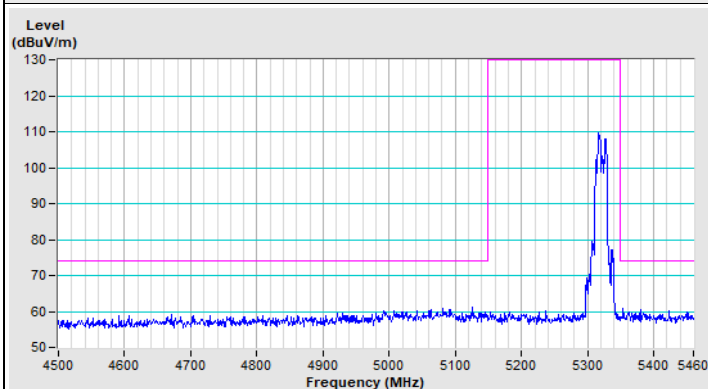


Vertical (Peak)

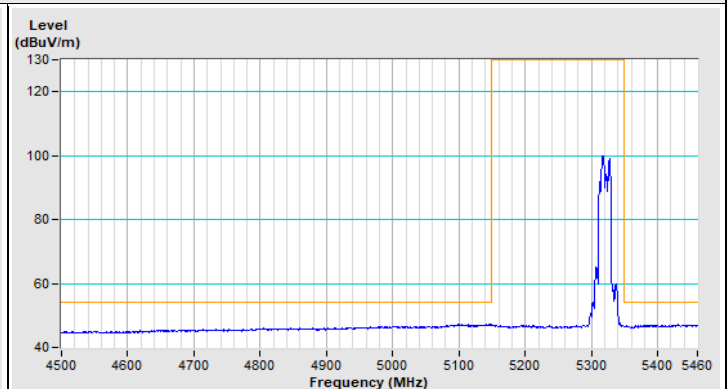


Vertical (Average)

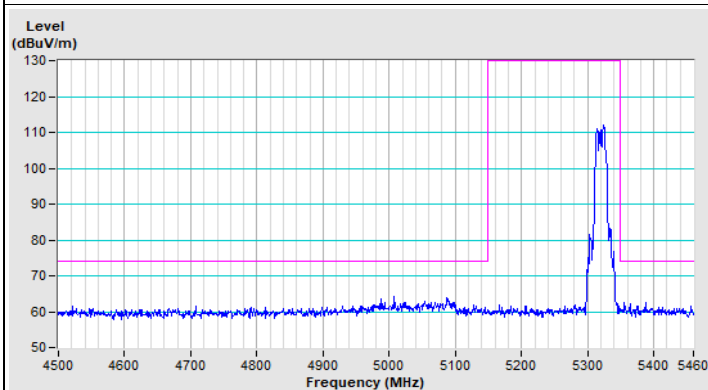
802.11a Channel 64



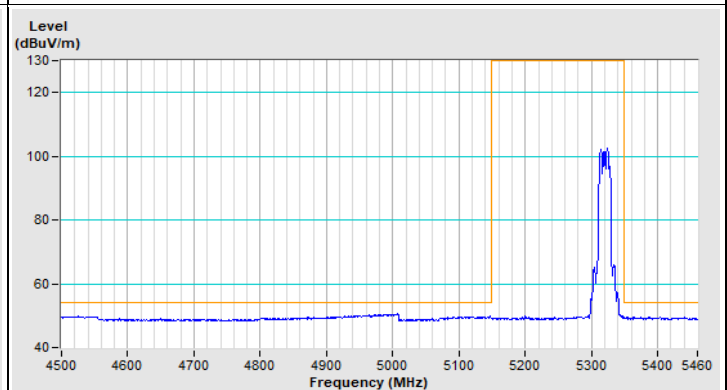
Horizontal (Peak)



Horizontal (Average)



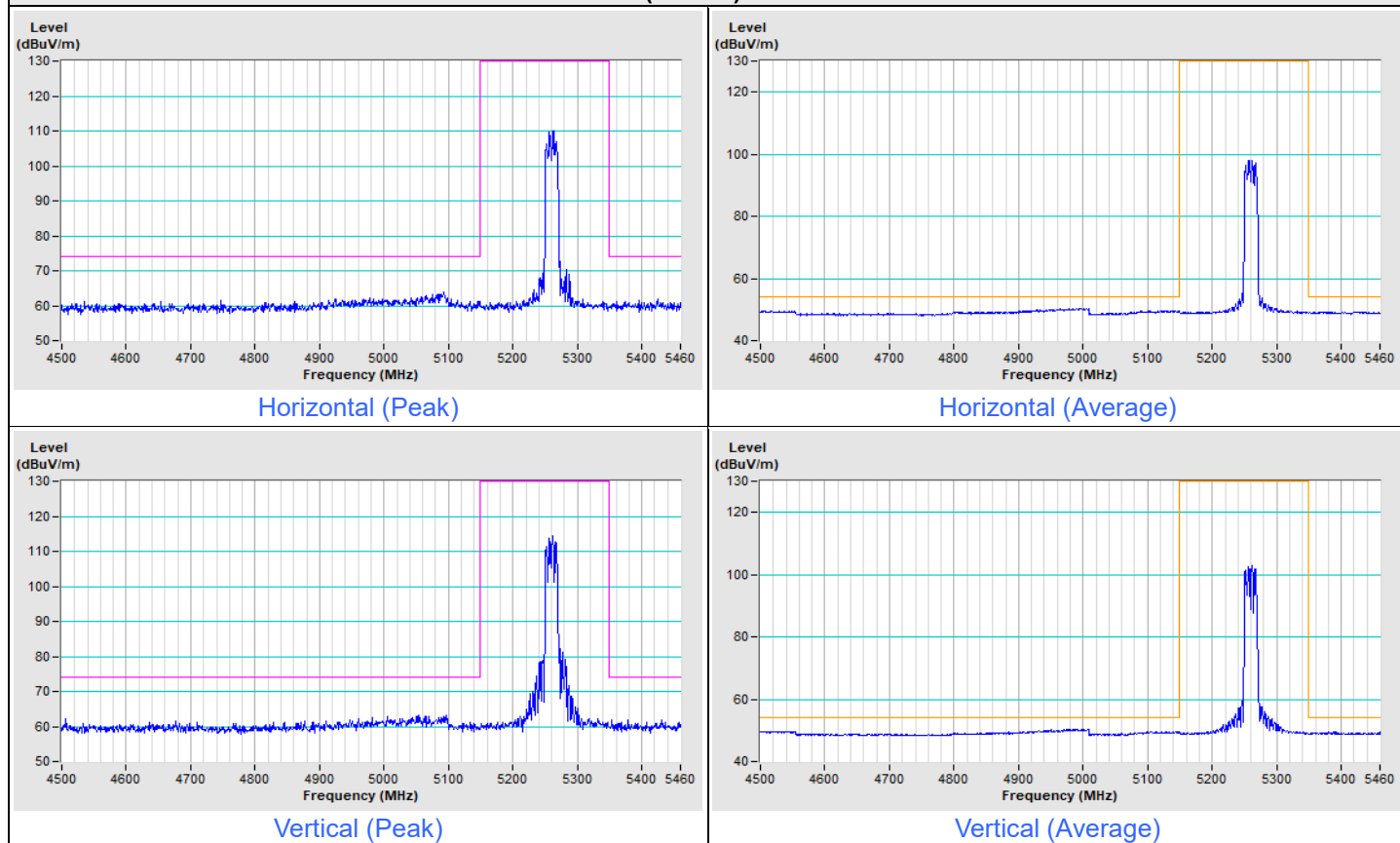
Vertical (Peak)

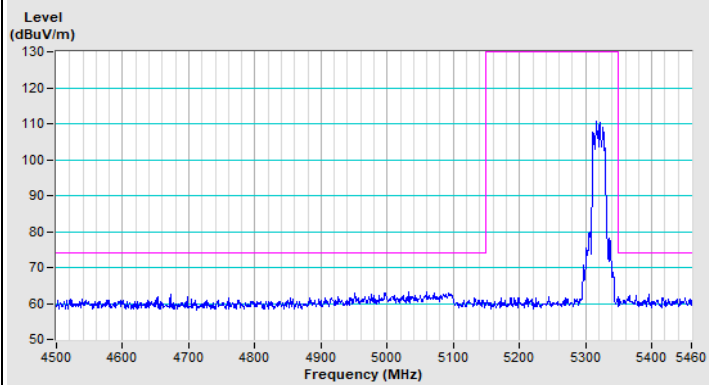


Vertical (Average)

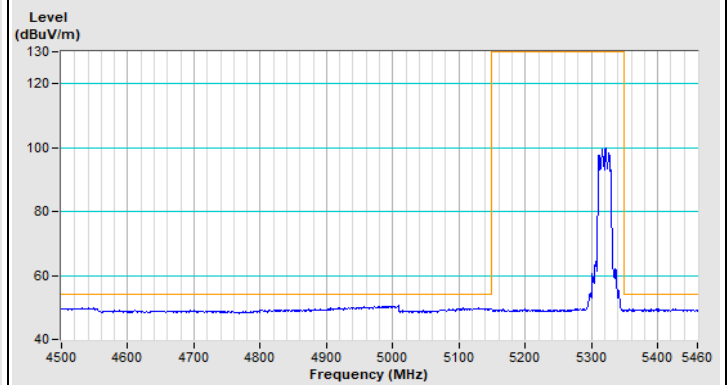
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT20) Channel 52

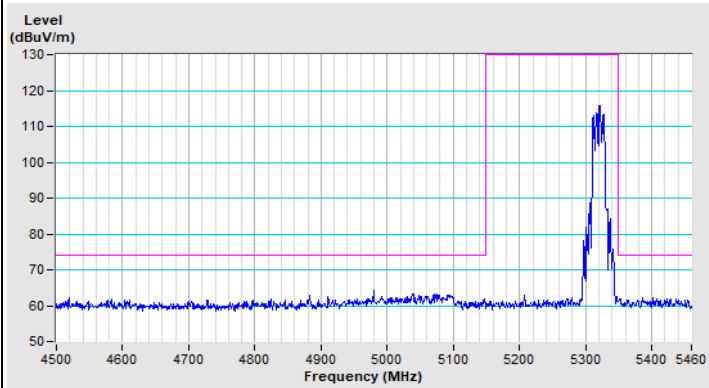


802.11be (EHT20) Channel 64

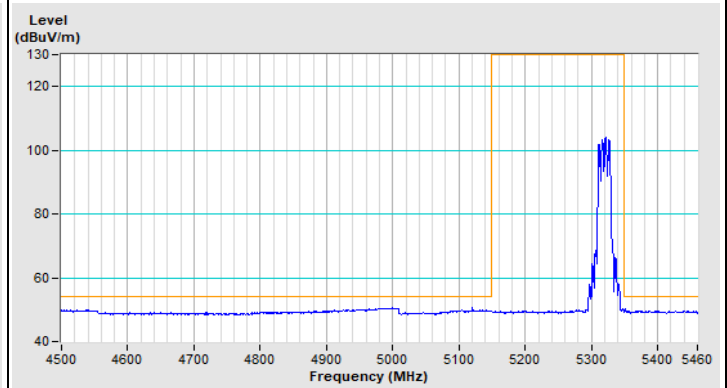
Horizontal (Peak)



Horizontal (Average)



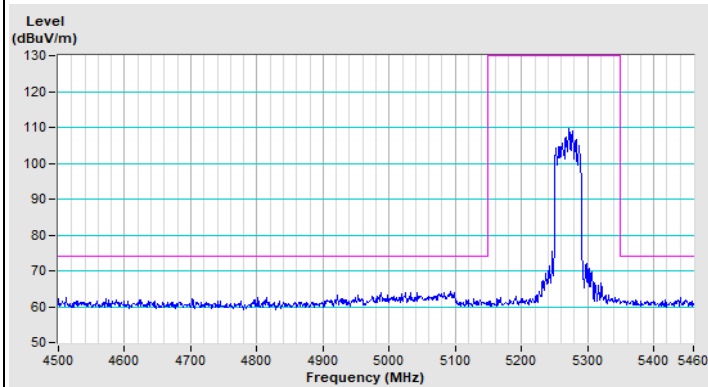
Vertical (Peak)



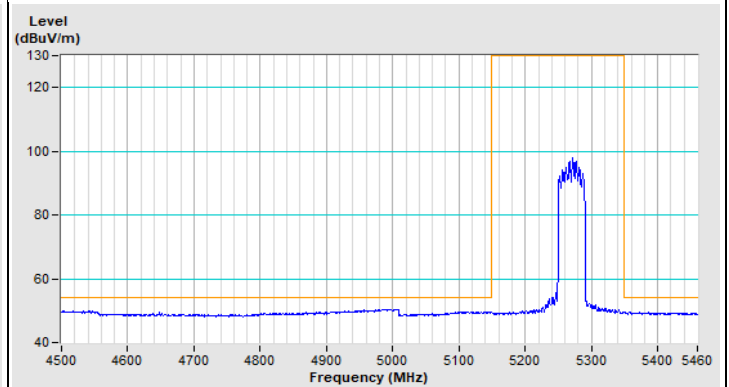
Vertical (Average)

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
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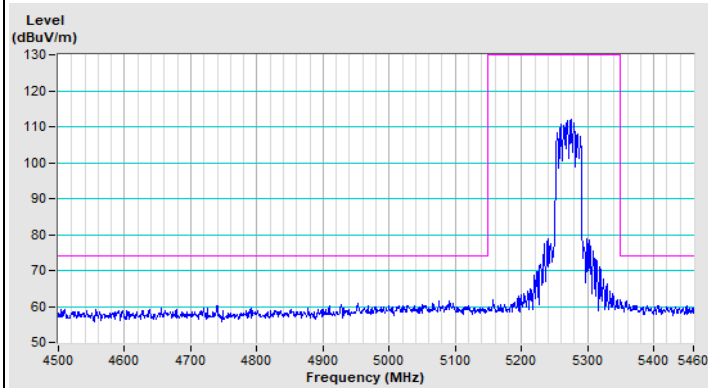
802.11be (EHT40) Channel 54



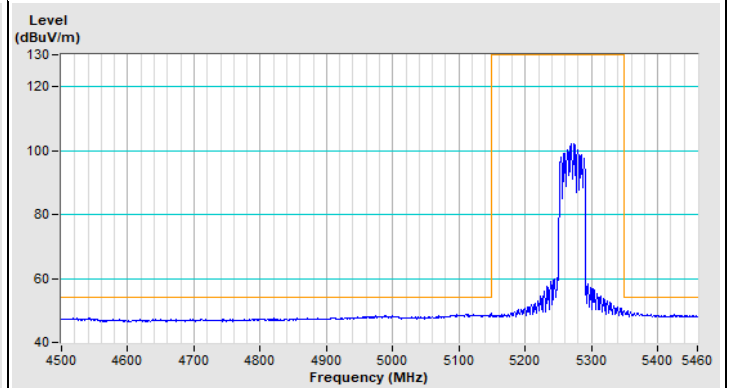
Horizontal (Peak)



Horizontal (Average)

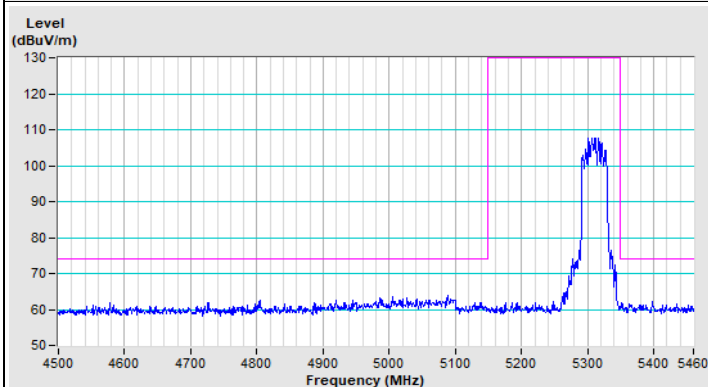


Vertical (Peak)

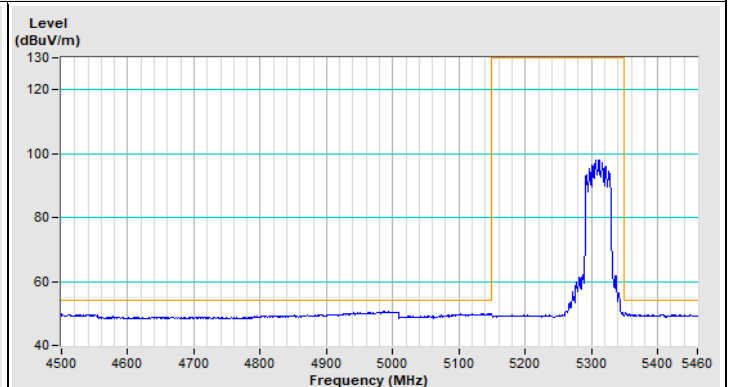


Vertical (Average)

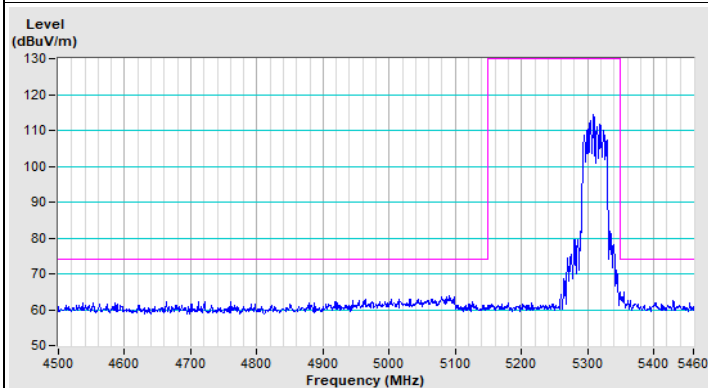
802.11be (EHT40) Channel 62



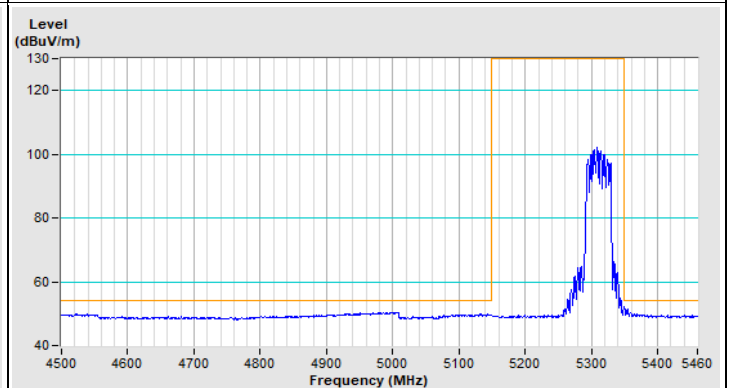
Horizontal (Peak)



Horizontal (Average)



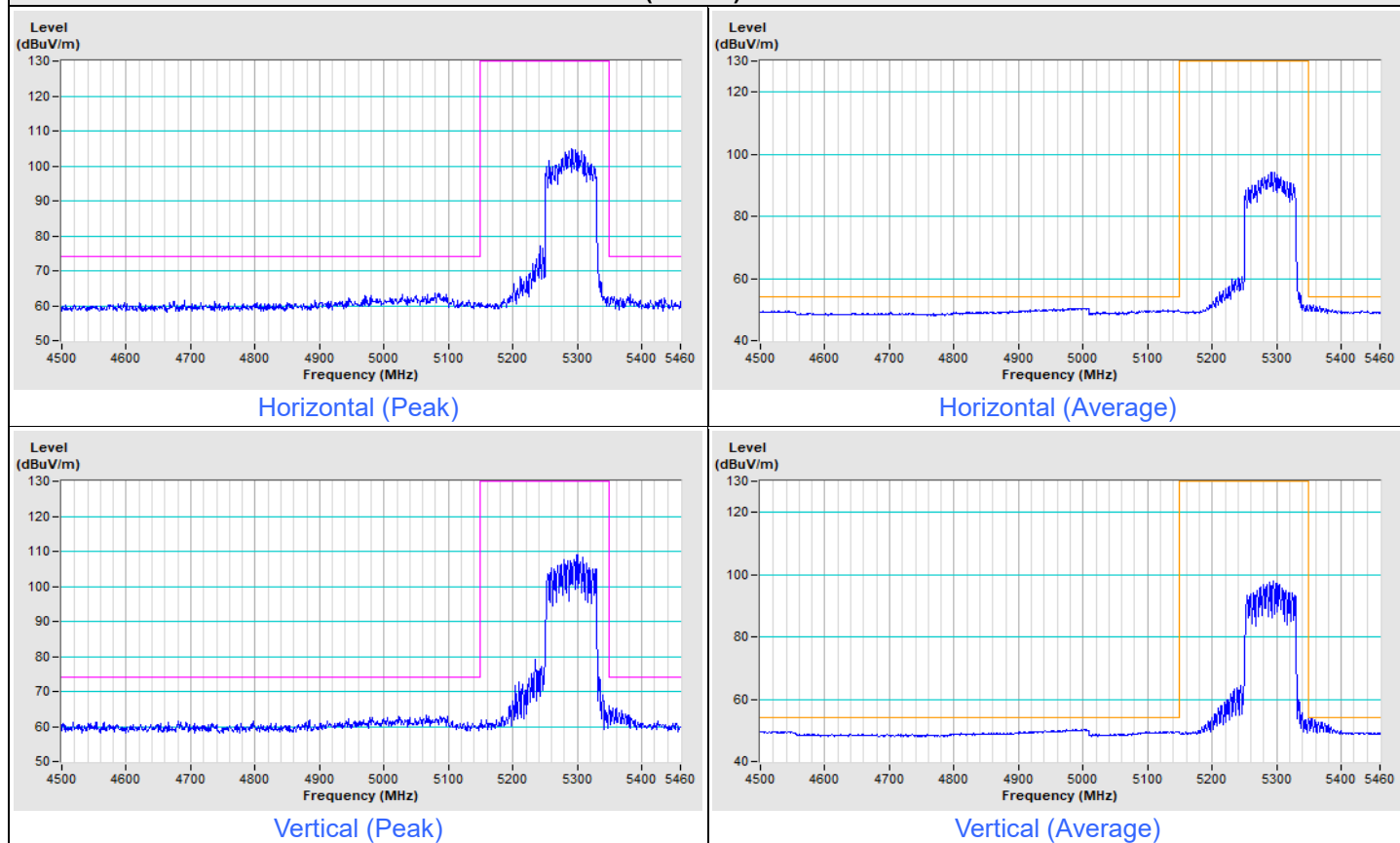
Vertical (Peak)



Vertical (Average)

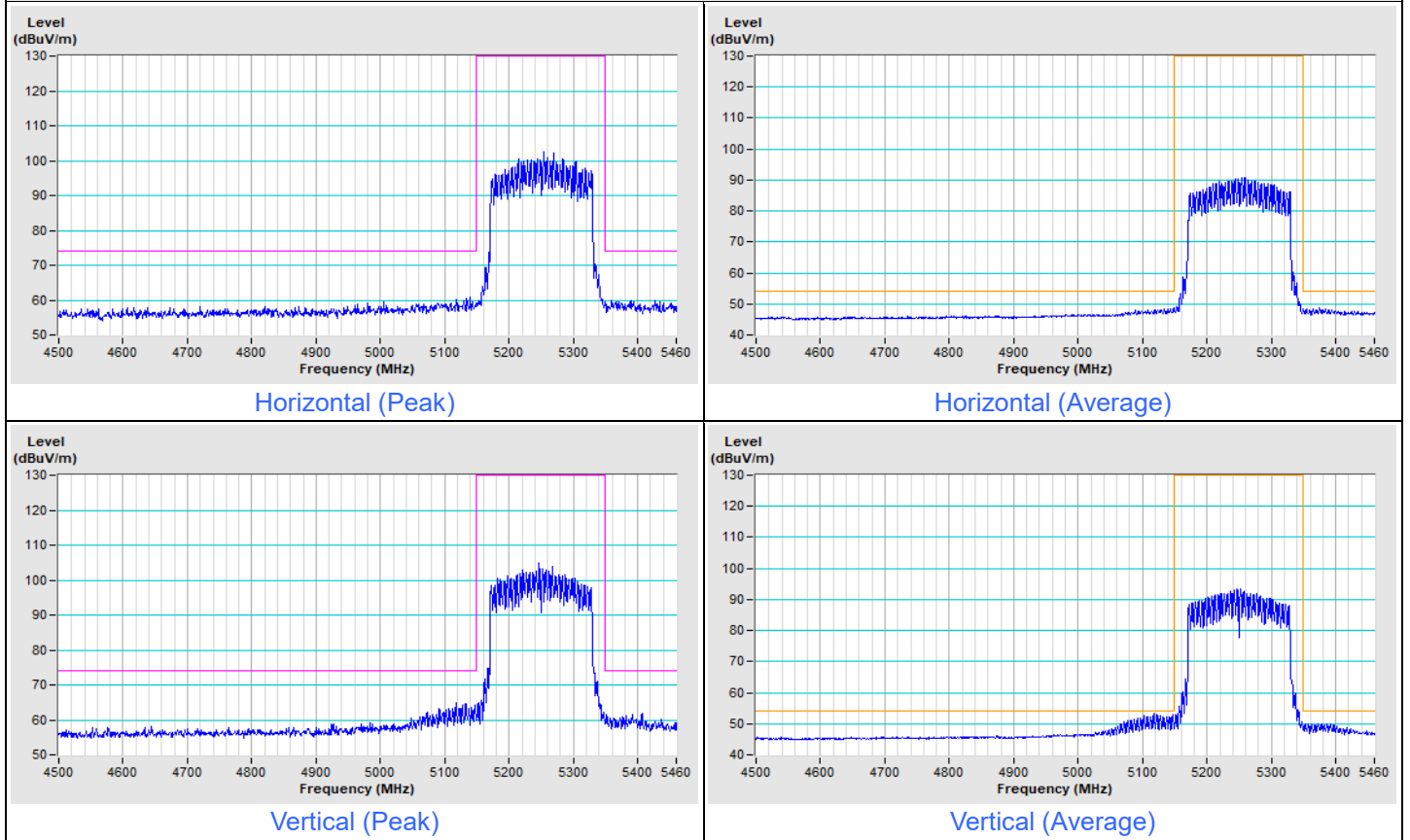
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 58



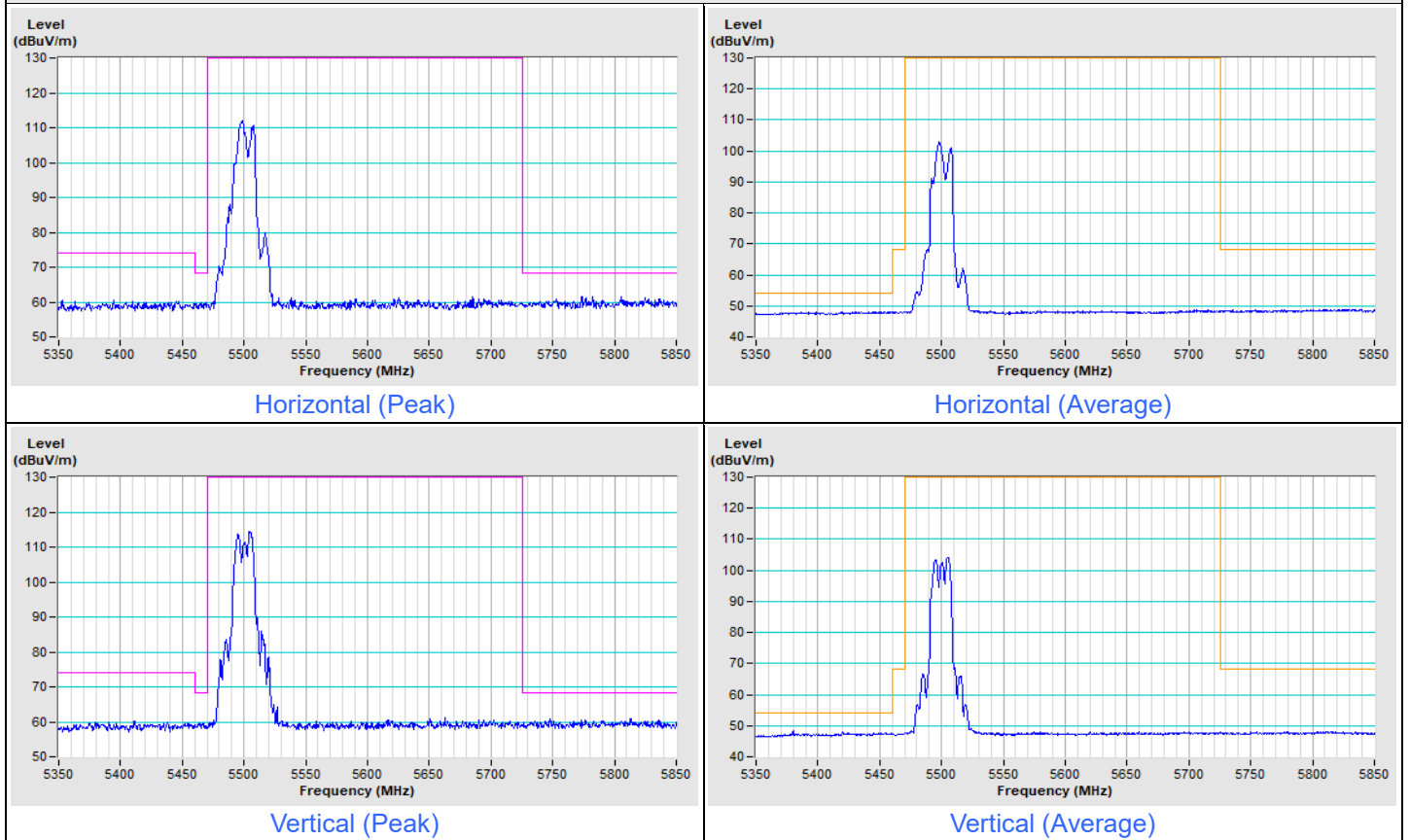
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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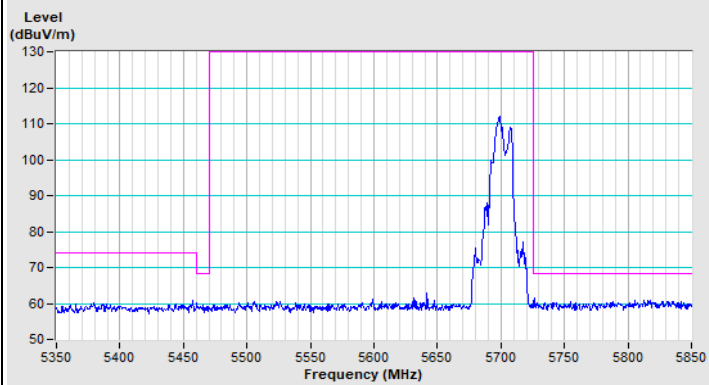
802.11be (EHT160) Channel 50



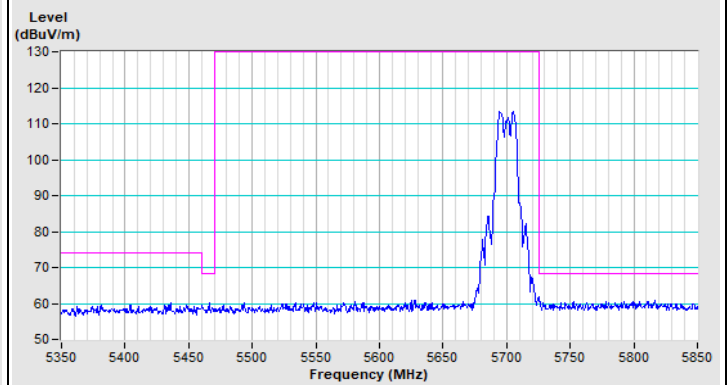
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11a Channel 100

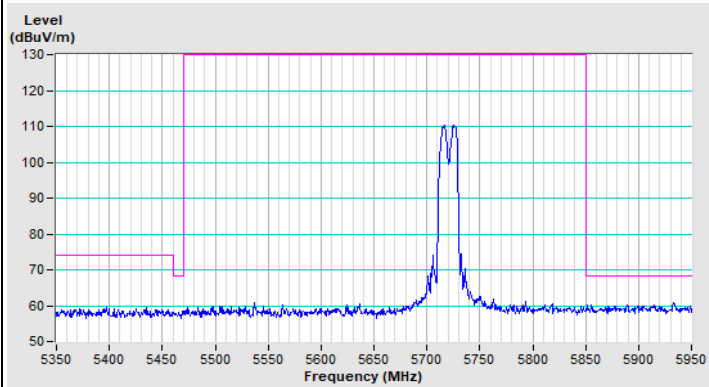


802.11a Channel 140

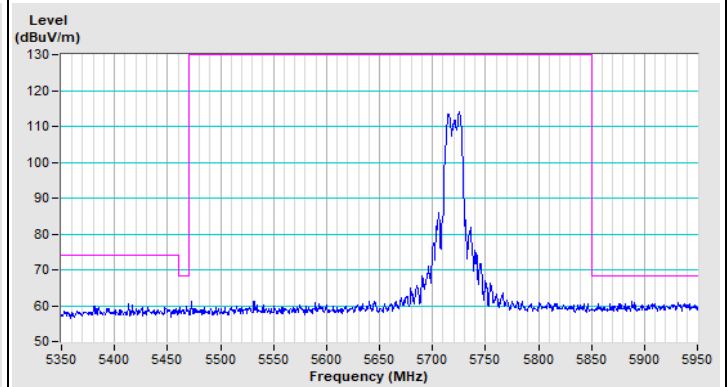
Horizontal (Peak)



Vertical (Peak)

802.11a Channel 144

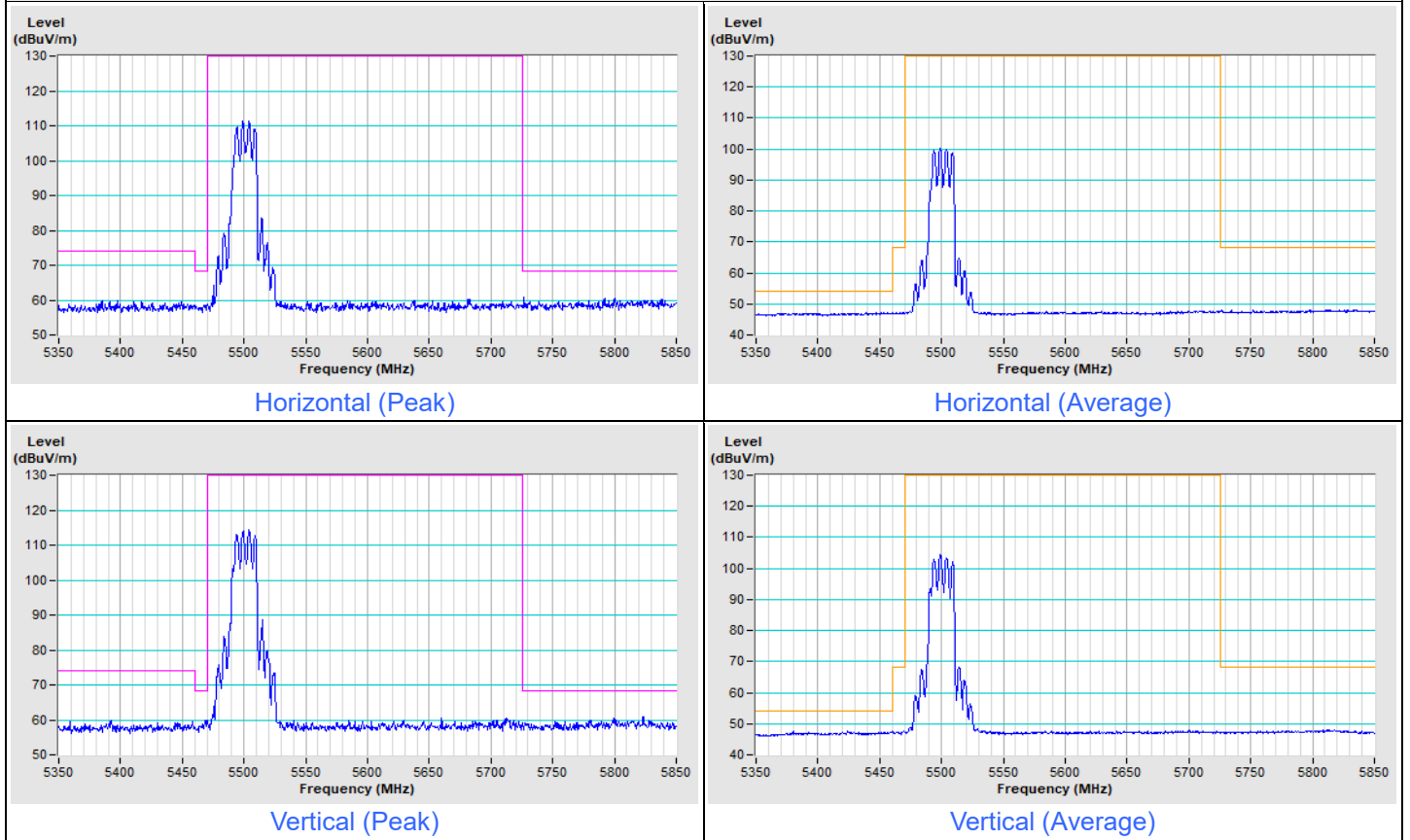
Horizontal (Peak)



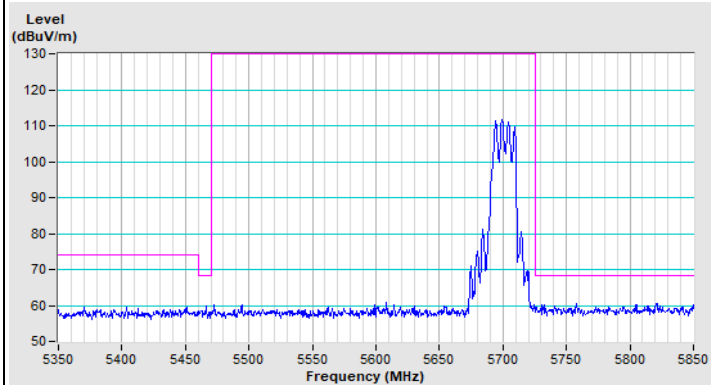
Vertical (Peak)

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
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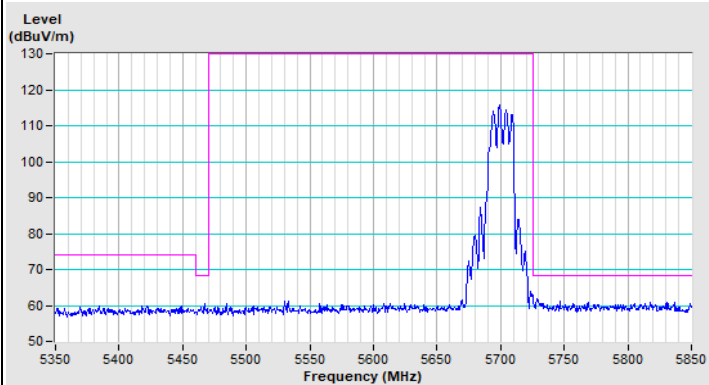
802.11be (EHT20) Channel 100



802.11be (EHT20) Channel 140

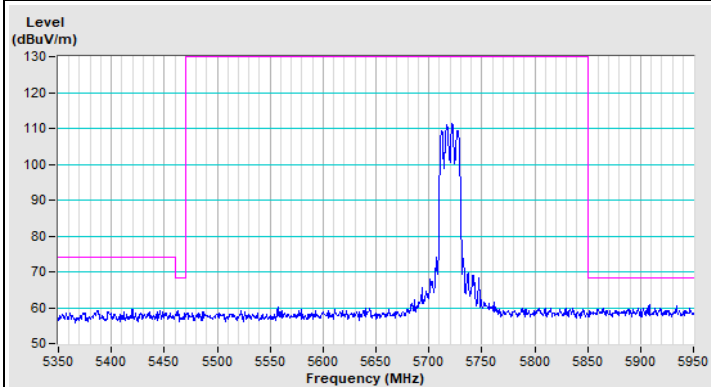


Horizontal (Peak)

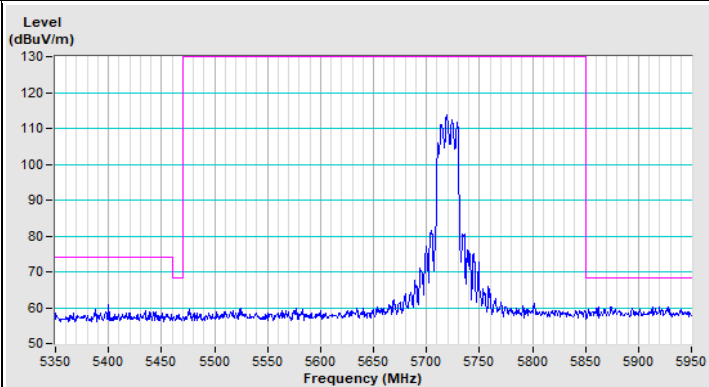


Vertical (Peak)

802.11be (EHT20) Channel 144



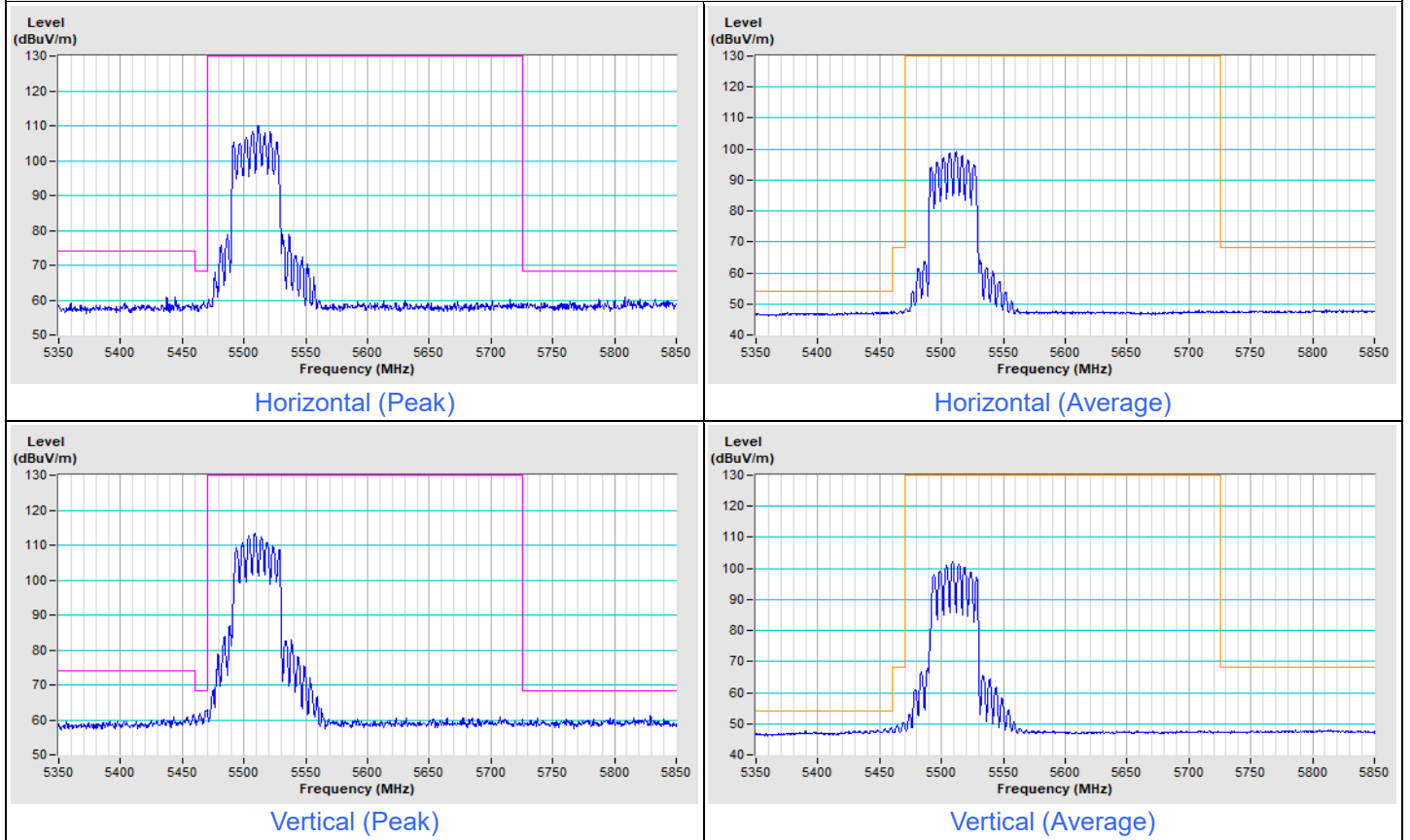
Horizontal (Peak)

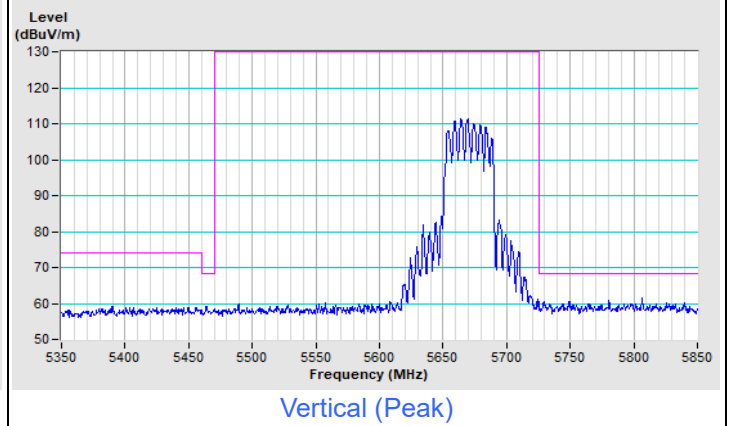
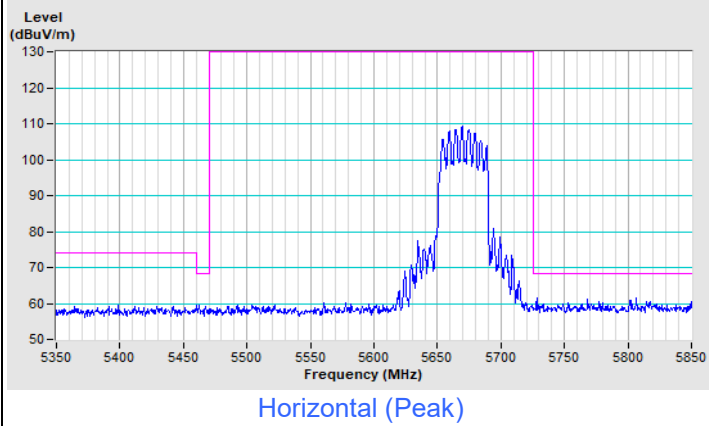
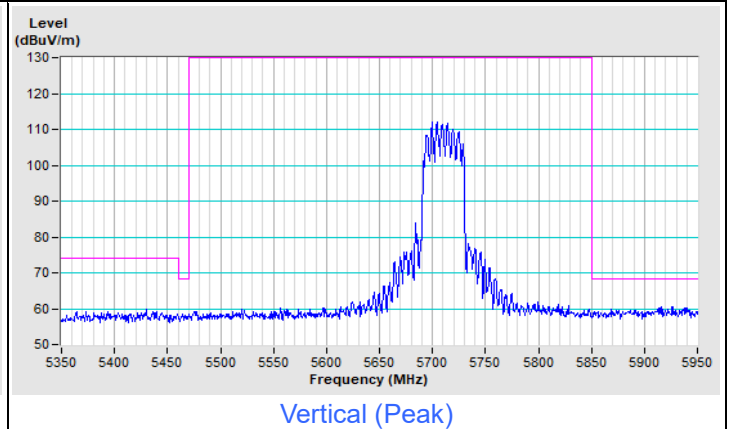
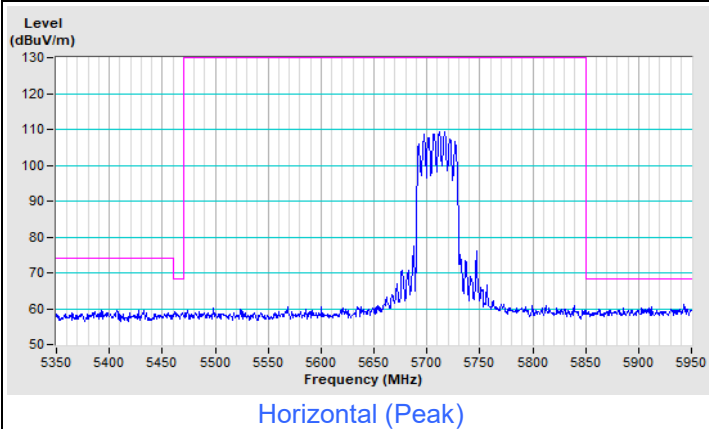


Vertical (Peak)

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
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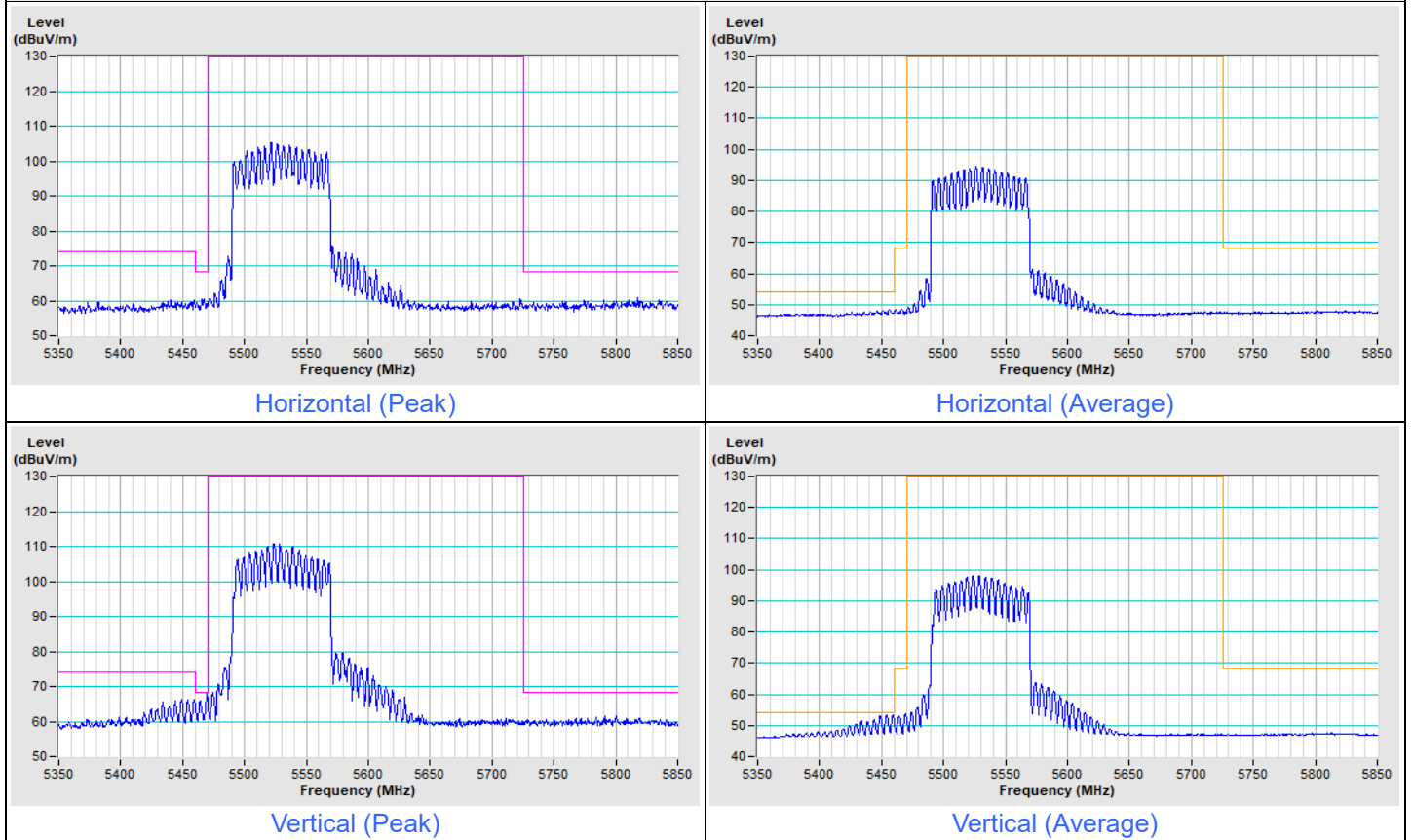
802.11be (EHT40) Channel 102



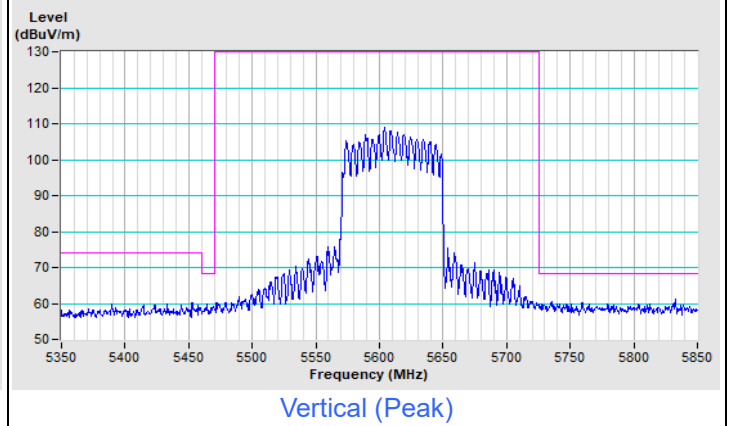
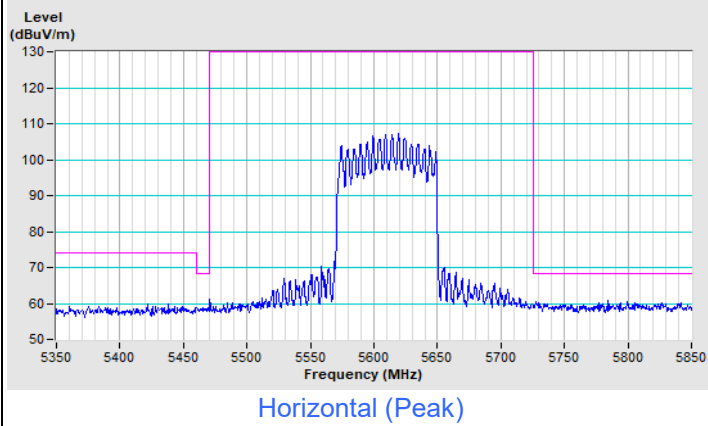
802.11be (EHT40) Channel 134**802.11be (EHT40) Channel 142**

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
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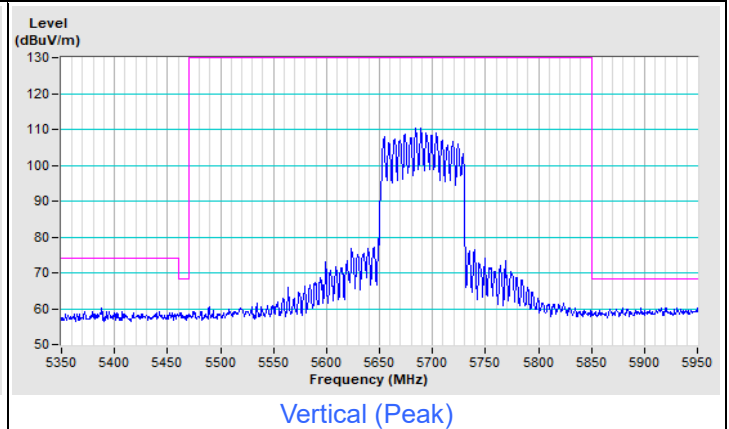
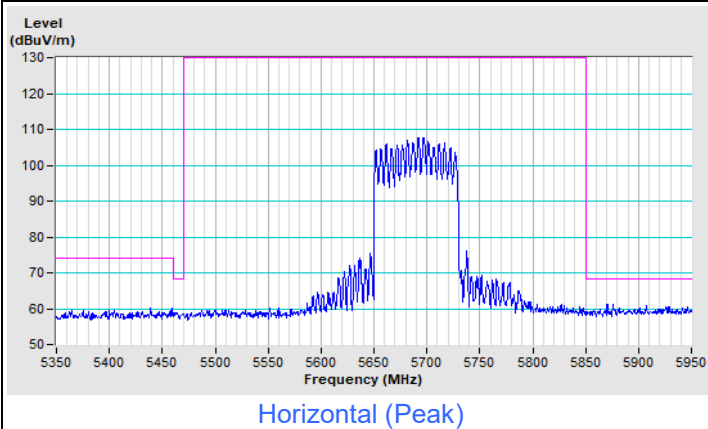
802.11be (EHT80) Channel 106



802.11be (EHT80) Channel 122

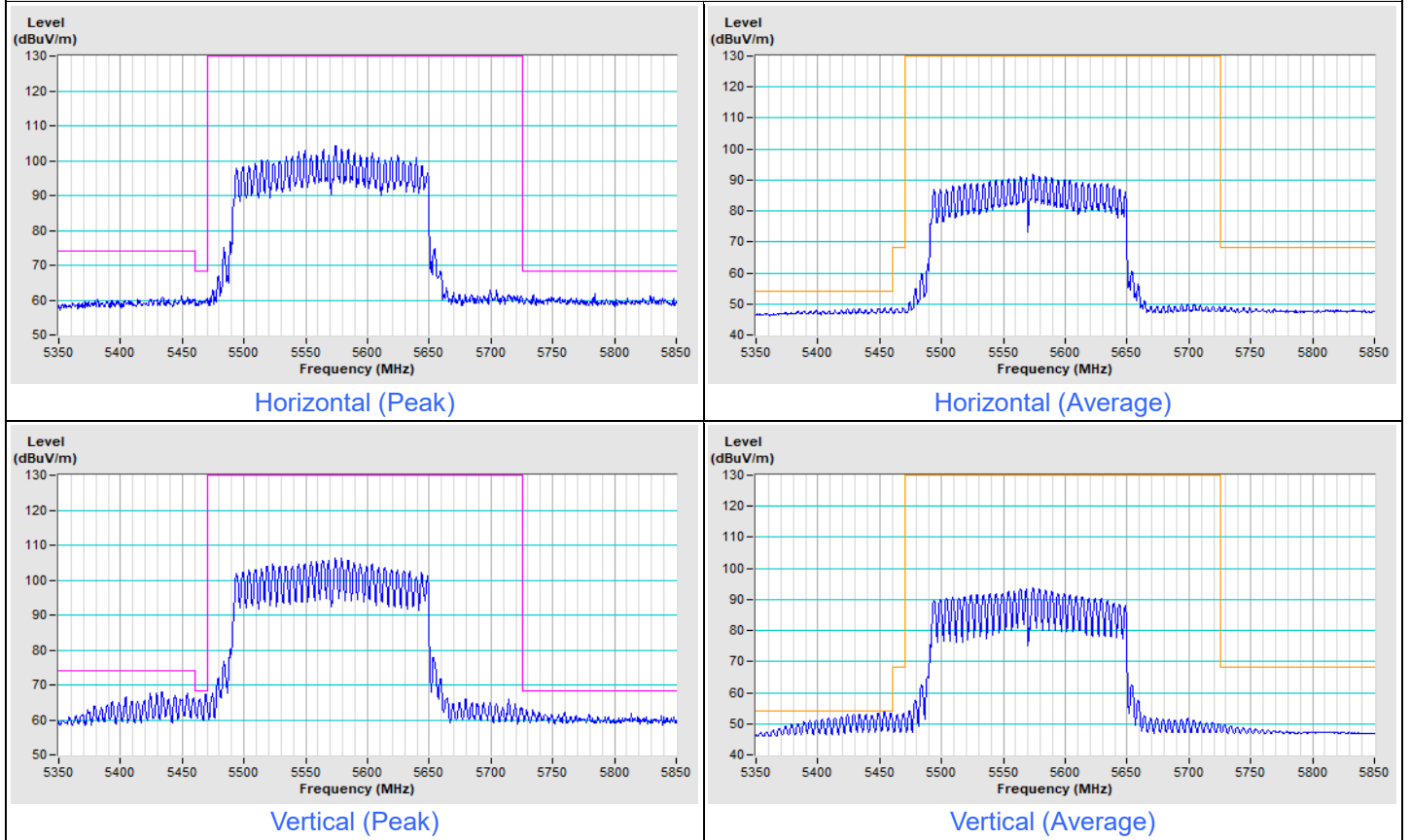


802.11be (EHT80) Channel 138



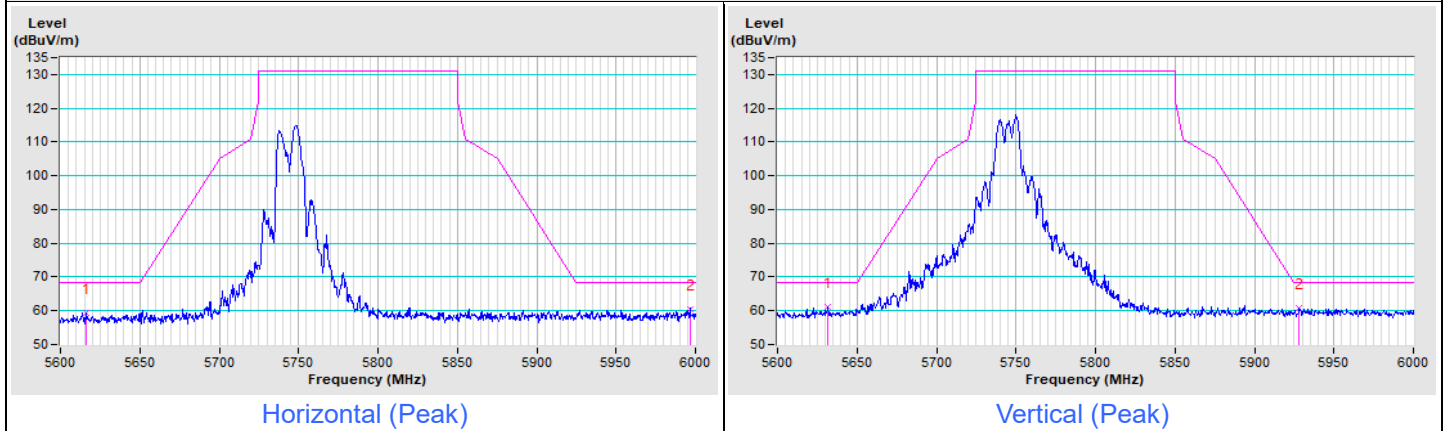
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 114

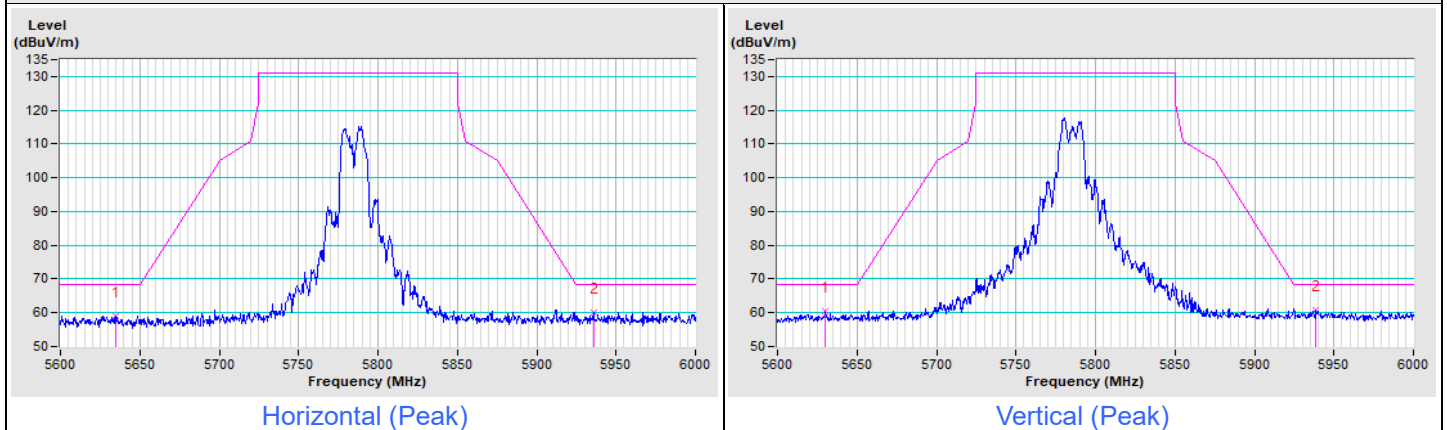


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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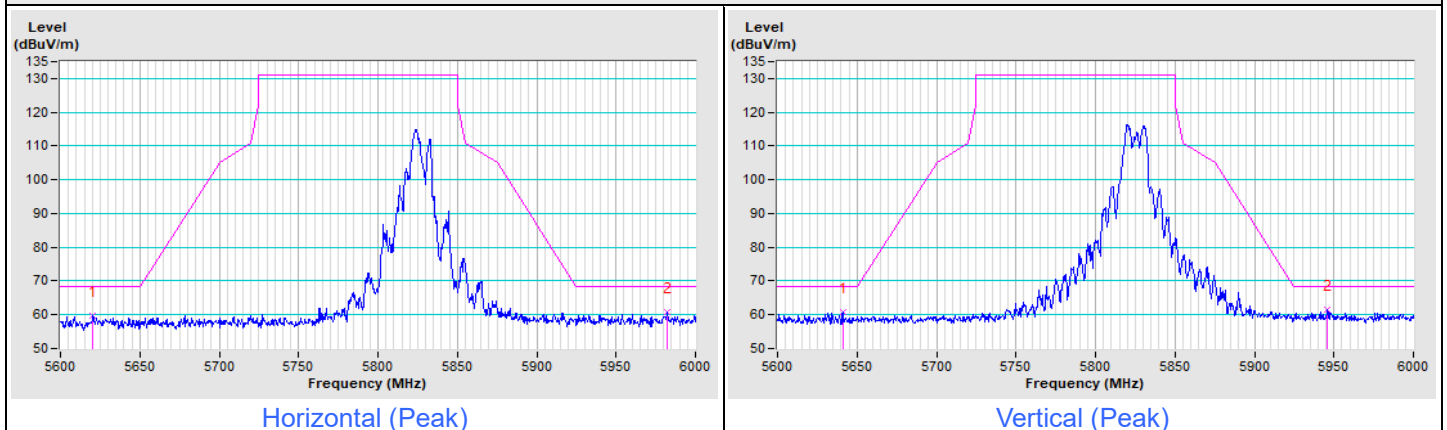
802.11a Channel 149



802.11a Channel 157

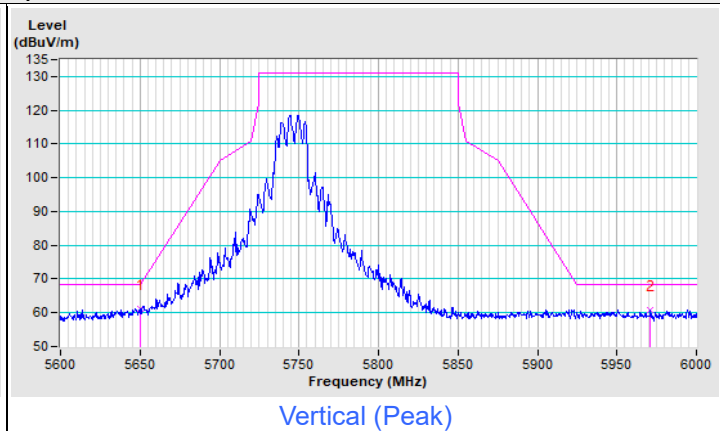
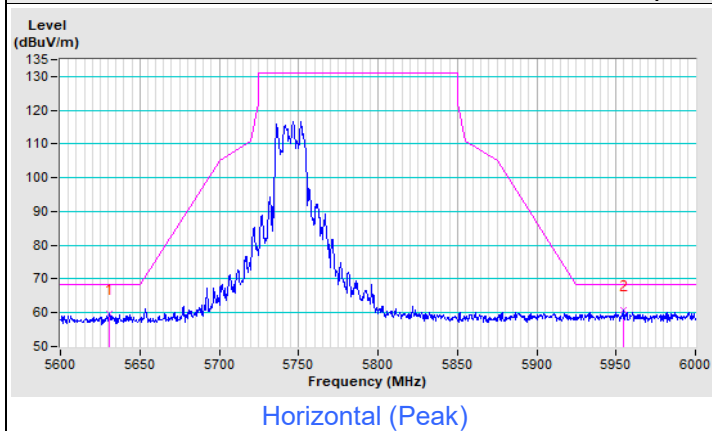


802.11a Channel 165

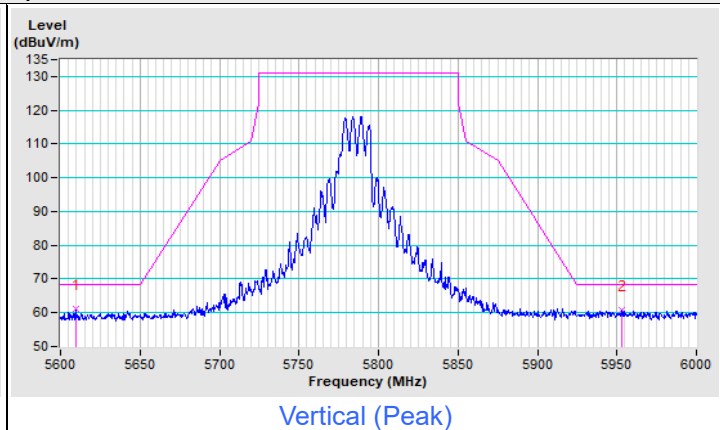
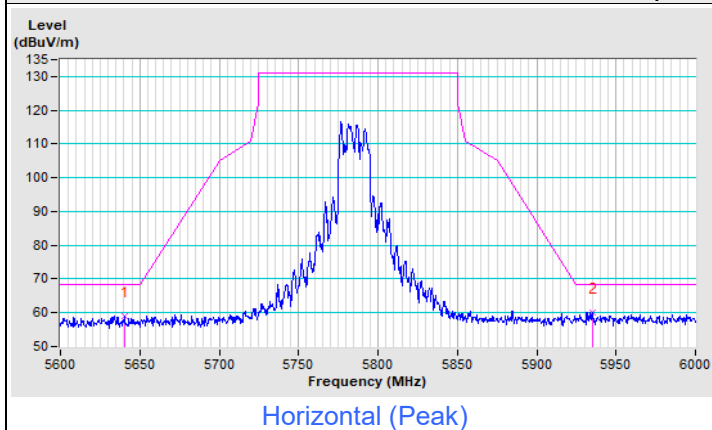


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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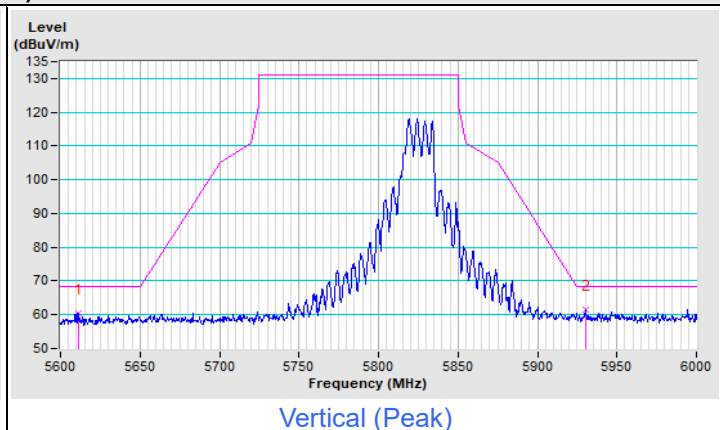
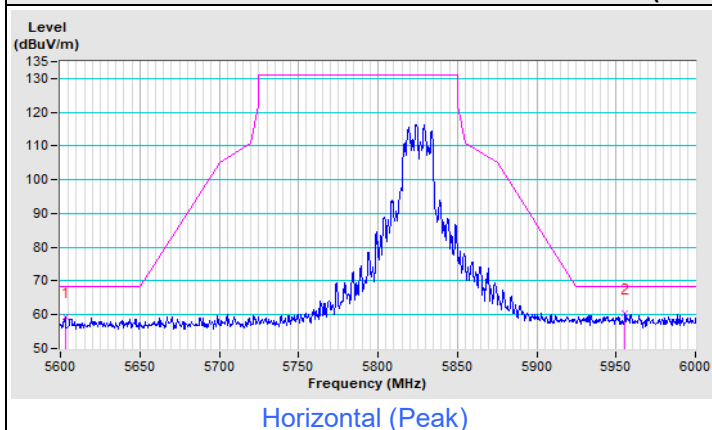
802.11be (EHT20) Channel 149



802.11be (EHT20) Channel 157

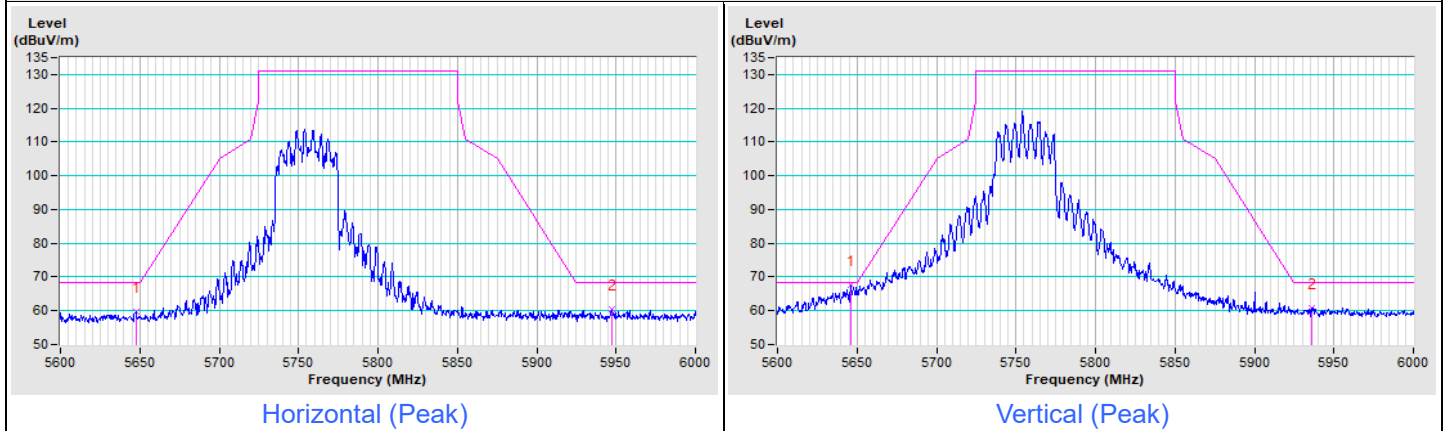


802.11be (EHT20) Channel 165

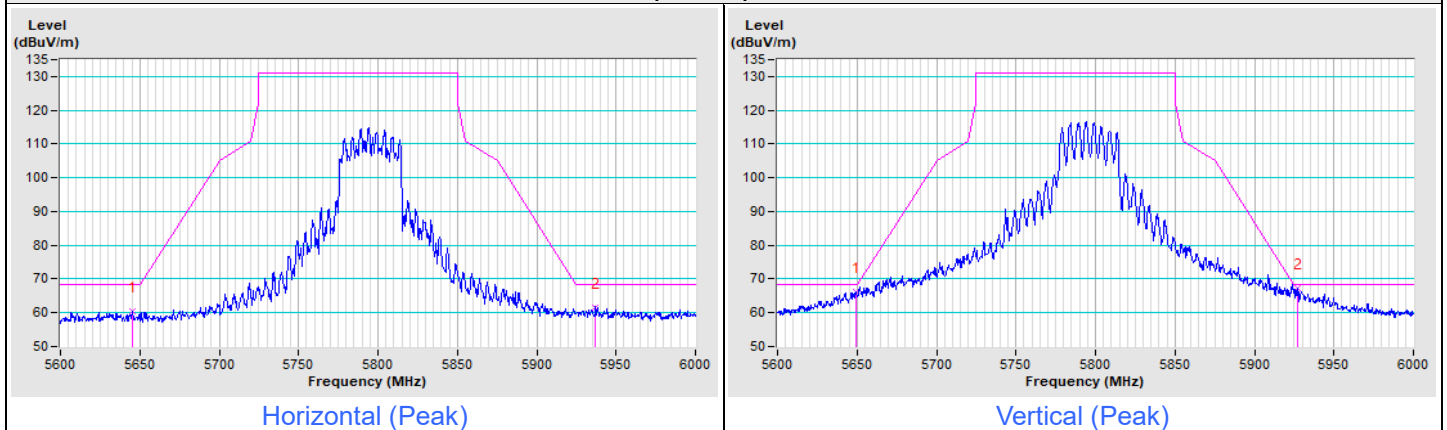


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT40) Channel 151

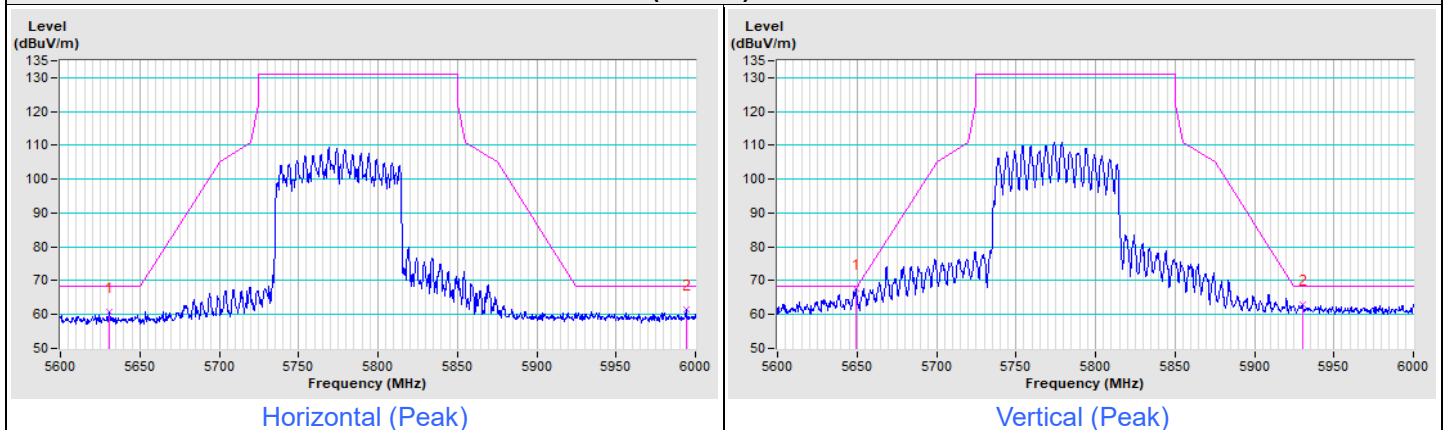


802.11be (EHT40) Channel 159



Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 155



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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

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

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