

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBCMA-WTW-P25030861A
FCC ID: RAXTMOG5AR
Product: 5G Gateway
Brand: T-Mobile
Model No.: TMO-G5AR
Received Date: 2025/3/24
Test Date: 2025/4/17 ~ 2025/5/16
Issued Date: 2025/6/12

Applicant: Arcadyan Technology Corporation
Address: No.8, Sec.2, Guangfu Rd., Hsinchu City 30071, Taiwan, R.O.C.
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____

Wen Yu / Assistant Manager

, Date: _____

2025/6/12

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Prepared by: Vito Lung / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCMA-WTW-P25030861A	Original release.	2025/6/12

1 Certificate

Product: 5G Gateway

Brand: T-Mobile

Test Model: TMO-G5AR

Sample Status: Engineering sample

Applicant: Arcadyan Technology Corporation

Test Date: 2025/4/17 ~ 2025/5/16

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 -8.11 dB at 0.76178 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -10.5 dB at 921.40 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 -0.1 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is MHF1 not a standard 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	-	1050.00 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Occupied Bandwidth	-	1050.00 Hz
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	5G Gateway
Brand	T-Mobile
Test Model	TMO-G5AR
Status of EUT	Engineering sample
Power Supply Rating	20 Vdc from power adapter
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	802.11a: up to 54 Mbps 802.11n: up to 600 Mbps 802.11ac: up to 3466.7 Mbps 802.11ax: up to 4803.9 Mbps 802.11be: up to 5764.7 Mbps
Operating Frequency	5.25 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 16 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 8 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 4 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 2
Output Power	CDD Mode: 5.25 GHz ~ 5.32 GHz: 246.886 mW (23.92 dBm) 5.5 GHz ~ 5.72 GHz: 244.662 mW (23.89 dBm) Beamforming Mode: 5.25 GHz ~ 5.32 GHz: 239.571 mW (23.79 dBm) 5.5 GHz ~ 5.72 GHz: 238.552 mW (23.78 dBm)
EUT Category	Indoor Access Point

Note:

- This report is prepared for FCC class II permissive change. The difference compared with the Report No.: RFBCMA-WTW-P25030861-2 as the following:
 - ◆ Add DFS band <5.25 ~ 5.32 GHz, 5.50 ~ 5.72 GHz> by software.
 - ◆ Enabling bandwidth 160 MHz mode.
 - ◆ Heatsink modified to protect the holder and not affect the RF characterization.
- According to above conditions, for DFS band all of test items need to be performed and all data was verified to meet the requirements.
- The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter 1	MOSO	P30-V3000R200-060Q0-US	AC Input: 100~240 Vac, 1.7 A, 50/60 Hz DC Output: 5.0 Vdc, 3.0 A; 9.0 Vdc, 3.0 A; 12.0 Vdc, 3.0 A; 15.0 Vdc, 3.0 A; 20.0 V, 3.0 A DC Output Cable: 1.85 m, non-shielded cable, W/O ferrite core Plug: US
AC Adapter 2	MASS POWER	PD065E-D1C0AVU	AC Input: 100~240 Vac, 1.5 A, 50/60 Hz DC Output: 5.0 Vdc, 3.0 A, 9.0 Vdc, 3.0 A; 12.0 Vdc, 3.0 A; 15.0 Vdc, 3.0 A; 20.0 Vdc, 2.25 A DC Output Cable: 1.8 m, non-shielded cable, W/O ferrite core Plug: US

4. The EUT has below radios as following table:

Radio 1	Radio 2	Radio 3	Radio 4	Radio 5	Radio 6
WLAN (2.4GHz + 5GHz)	WLAN (6 GHz)	BT-LE / 802.15.4 (Zigbee/Open Thread/Matter)	BT-LE	GPS	WWAN

5. Simultaneously transmission combination.

Combination	Technology
1	WLAN (2.4 GHz) + WLAN (5 GHz) + WLAN (6 GHz) + 802.15.4 (Zigbee/Open Thread/Matter) + BT-LE + WWAN (LTE)
2	WLAN (2.4 GHz) + WLAN (5 GHz) + WLAN (6 GHz) + 802.15.4 (Zigbee/Open Thread/Matter) + BT-LE + WWAN (5G NR)

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
D_1	0	ARC	120800157500J	3.43	2.4~2.4835	Dipole	MHF1
				3.21	5.15~5.25		
				3.4	5.25~5.35		
				3.24	5.47~5.725		
				3.67	5.725~5.85		
D_2	1	ARC	120800157600J	3.51	2.4~2.4835	Dipole	MHF1
				4.02	5.15~5.25		
				3.78	5.25~5.35		
				3.57	5.47~5.725		
D_3	2	ARC	120800157700J	3.56	5.725~5.85	Dipole	MHF1
				3.67	2.4~2.4835		
				4.08	5.15~5.25		
				4.13	5.25~5.35		
D_4	3	ARC	120800157800J	4.62	5.47~5.725	Dipole	MHF1
				4.23	5.725~5.85		
				3.57	2.4~2.4835		
				3.45	5.15~5.25		
				3.45	5.25~5.35	Dipole	MHF1
				3.52	5.47~5.725		
				3.55	5.725~5.85		

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

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

Frequency Range (GHz)	Directional Gain (dBi)
2.4~2.4835	5.99
5.15~5.25	5.78
5.25~5.35	5.68
5.47~5.725	6.11
5.725~5.85	6.52

3. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
802.11ac (VHT20)	4TX	4RX
802.11ac (VHT40)	4TX	4RX
802.11ac (VHT80)	4TX	4RX
802.11ac (VHT160)	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11ax (HE80)	4TX	4RX
802.11ax (HE160)	4TX	4RX
802.11be (EHT20)	4TX	4RX
802.11be (EHT40)	4TX	4RX
802.11be (EHT80)	4TX	4RX
802.11be (EHT160)	4TX	4RX

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 5250 ~ 5320 MHz

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

Channel	Frequency
52	5260 MHz
56	5280 MHz
60	5300 MHz
64	5320 MHz

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

Channel	Frequency
54	5270 MHz
62	5310 MHz

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

Channel	Frequency
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

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The AC Adapter has the following models: MOSO P30-V3000R200-060Q0-US / MASS POWER PD065E-D1C0AVU. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. AC Adapter Worst Condition: MOSO P30-V3000R200-060Q0-US

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11be (EHT20)		52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)		54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)		58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
RF Output Power	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ac (VHT20)	CDD & Beamforming	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ac (VHT40)		54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ac (VHT80)		58, 106, 122, 138	BPSK	MCS0
	802.11ac (VHT160)		50, 114	BPSK	MCS0
	802.11be (EHT20)		52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)		54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)		58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0
Power Spectral Density	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11be (EHT20)		52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11be (EHT40)		54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11be (EHT80)		58, 106, 122, 138	BPSK	MCS0
	802.11be (EHT160)		50, 114	BPSK	MCS0

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

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 2.733 ms / 2.784 ms x 100% = 98.2%

802.11ac (VHT20) : Duty cycle = 3.956 ms / 4.006 ms x 100% = 98.8%

802.11ac (VHT40) : Duty cycle = 3.952 ms / 4.003 ms x 100% = 98.7%

802.11ac (VHT80) : Duty cycle = 2.781 ms / 2.833 ms x 100% = 98.2%

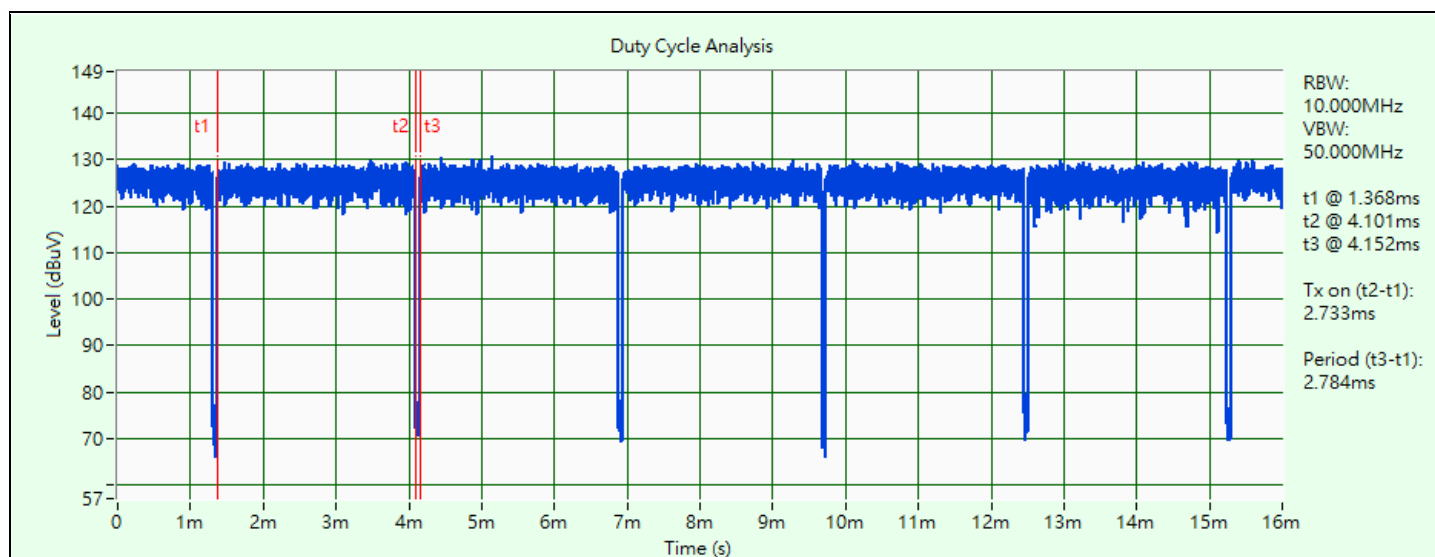
802.11ac (VHT160) : Duty cycle = 3.314 ms / 3.364 ms x 100% = 98.5%

802.11be (EHT20) : Duty cycle = 3.956 ms / 4.006 ms x 100% = 98.8%

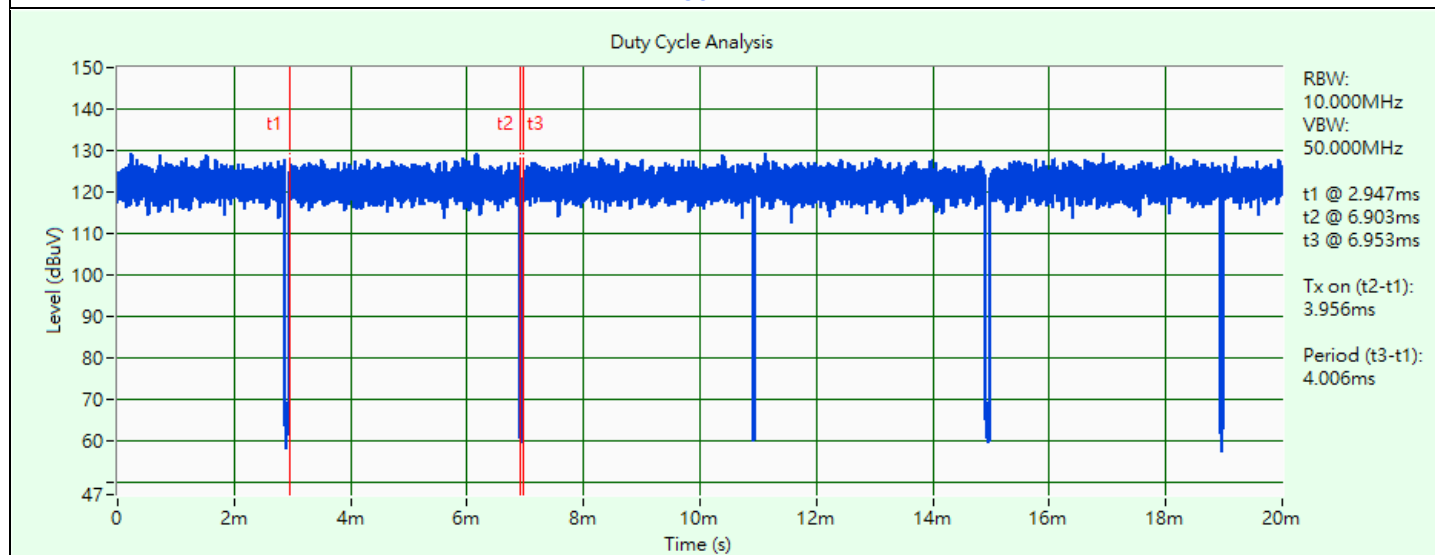
802.11be (EHT40) : Duty cycle = 3.952 ms / 4.003 ms x 100% = 98.7%

802.11be (EHT80) : Duty cycle = 2.781 ms / 2.833 ms x 100% = 98.2%

802.11be (EHT160) : Duty cycle = 3.314 ms / 3.364 ms x 100% = 98.5%

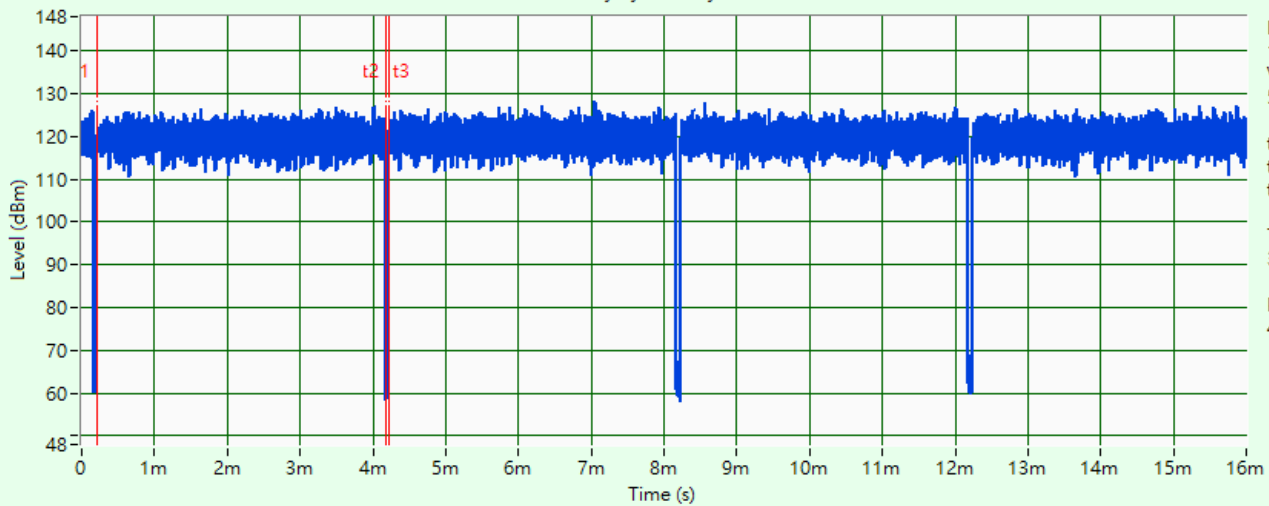


802.11a



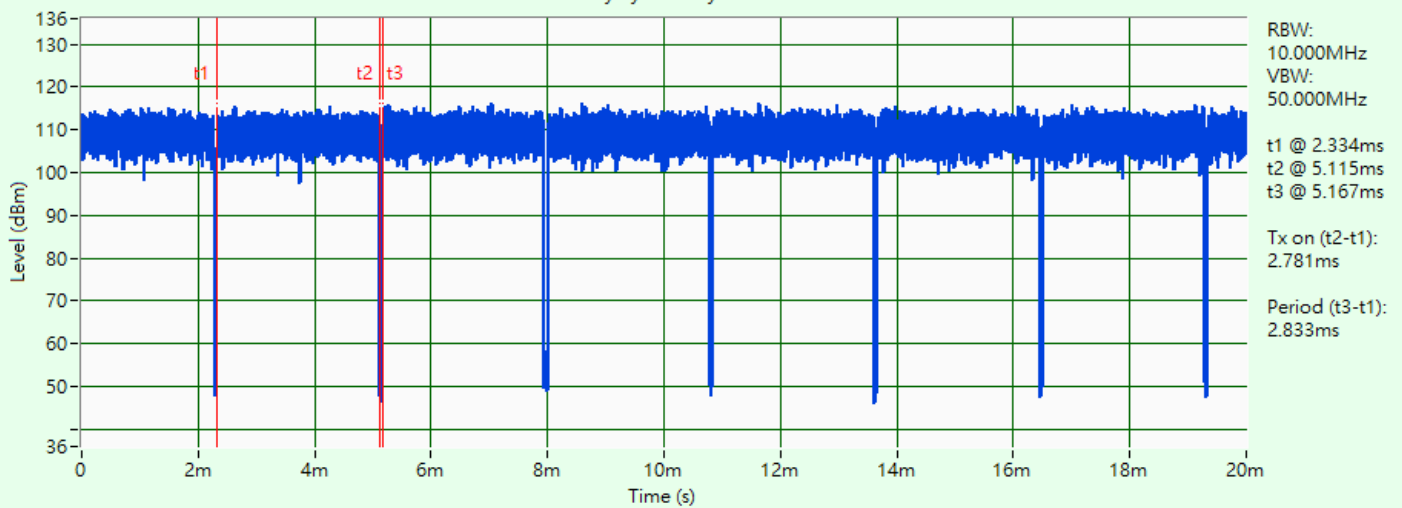
802.11ac (VHT20)

Duty Cycle Analysis



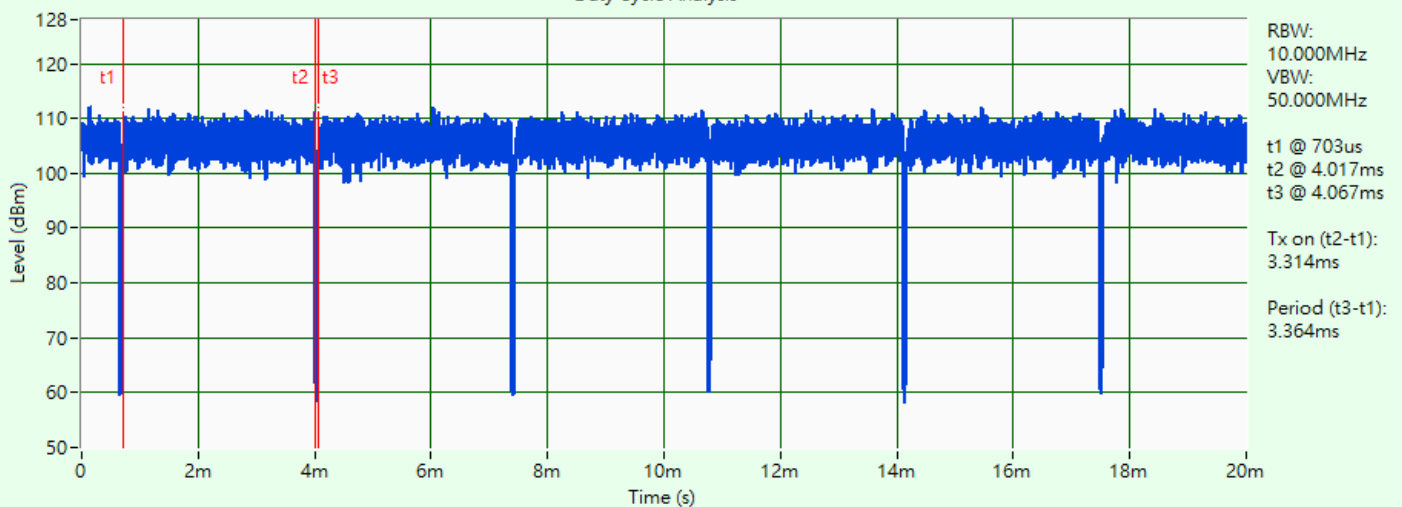
802.11ac (VHT40)

Duty Cycle Analysis



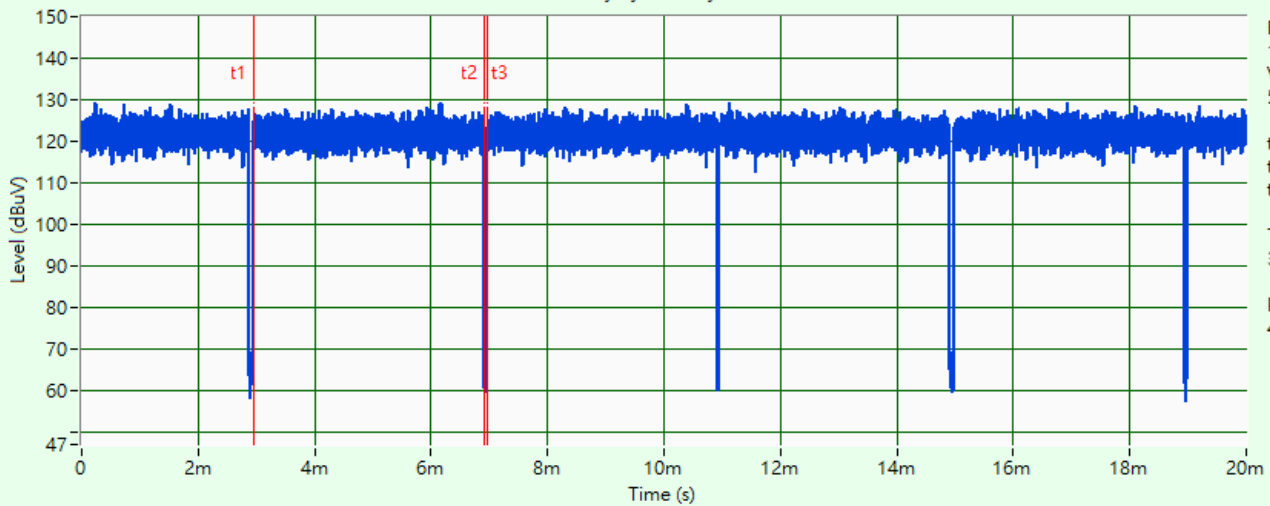
802.11ac (VHT80)

Duty Cycle Analysis



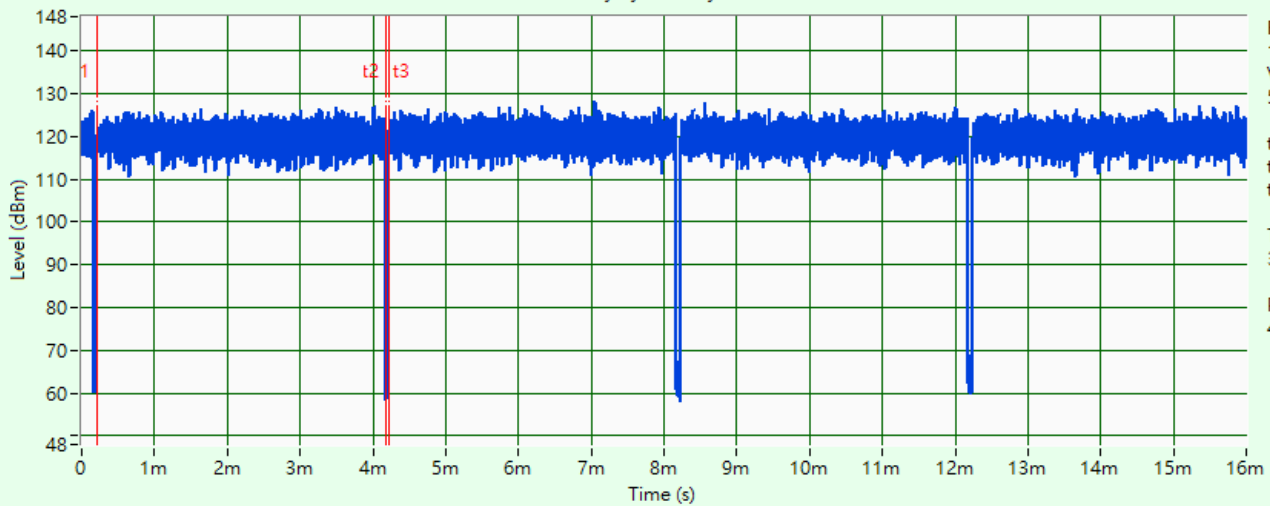
802.11ac (VHT160)

Duty Cycle Analysis



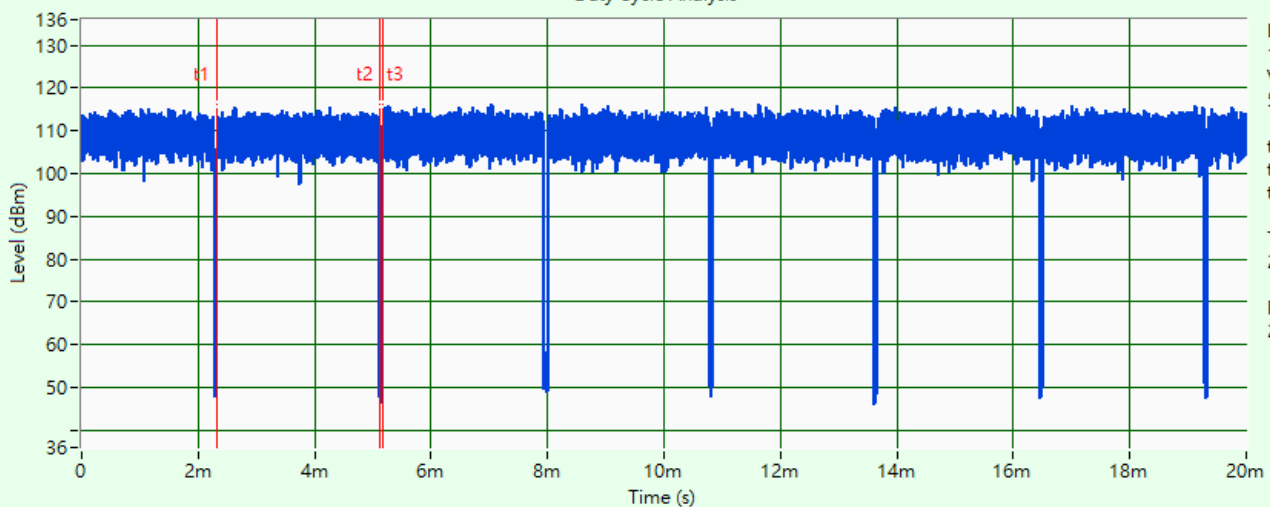
802.11be (EHT20)

Duty Cycle Analysis

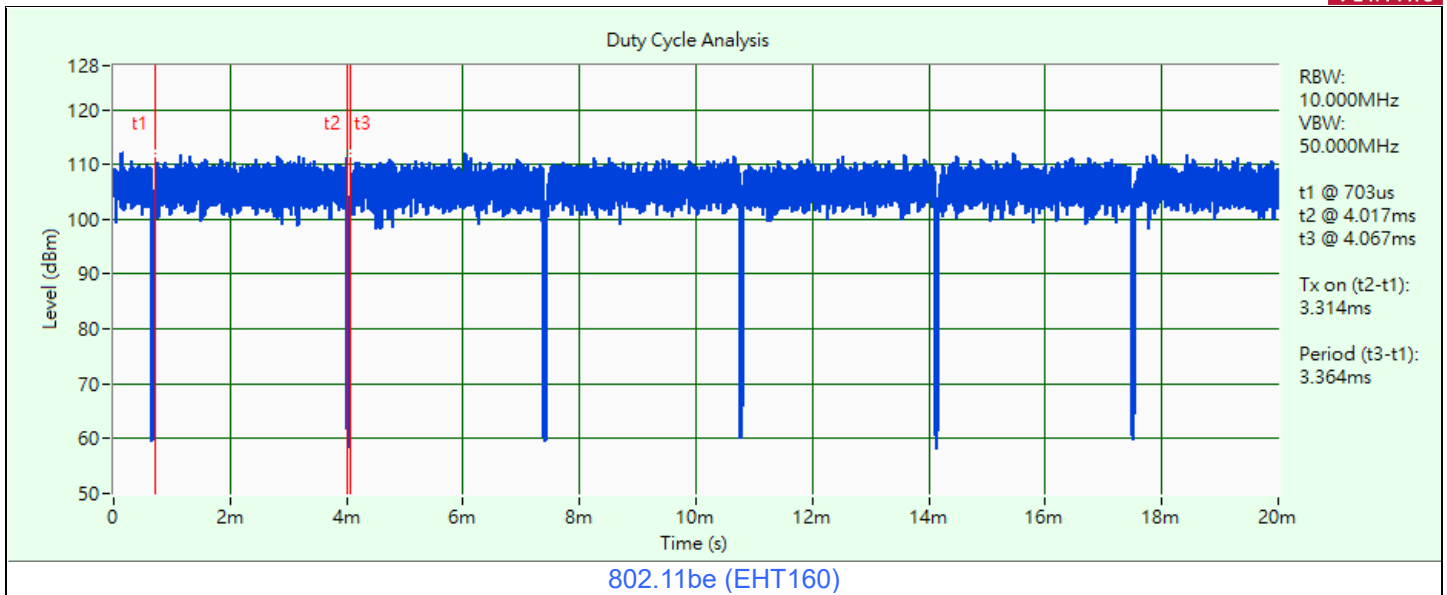


802.11be (EHT40)

Duty Cycle Analysis



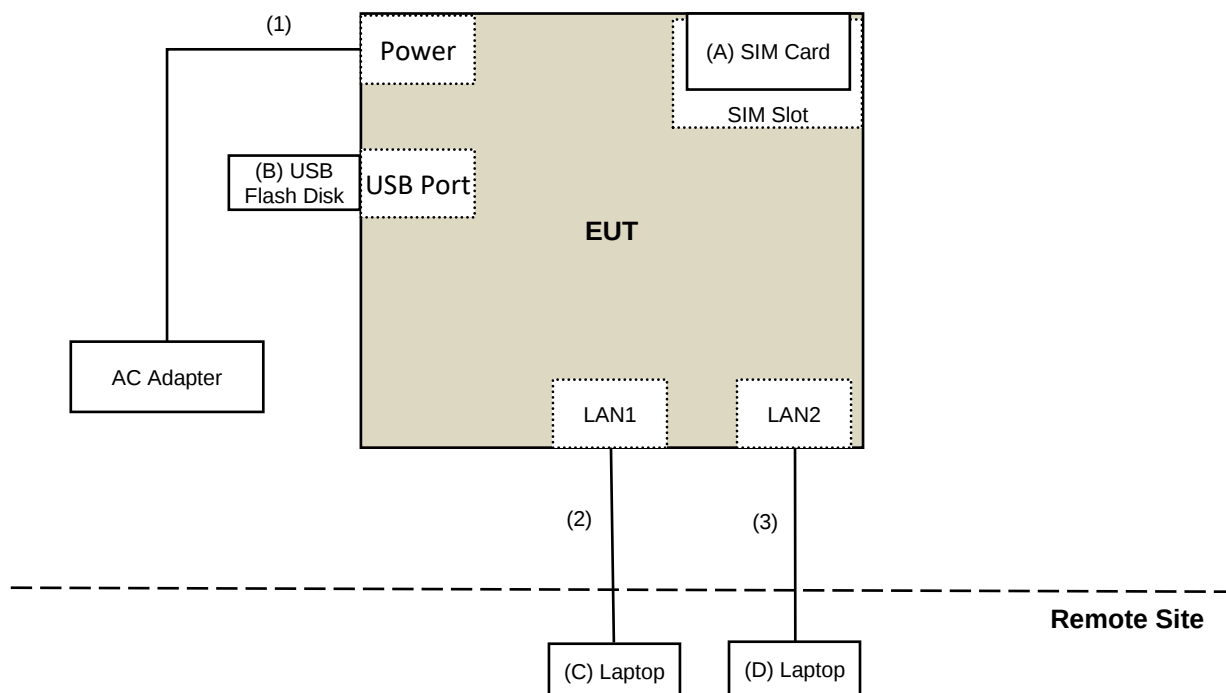
802.11be (EHT80)



3.6 Test Program Used and Operation Descriptions

Controlling software (Qatool Version 0.0.2.99) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	SIM Card	Keysight	E7515-10910	N/A	N/A	Provided by Lab
B	USB	SANDISK	Ultra Luxe	N/A	N/A	Provided by Lab
C	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab
D	Laptop	DELL	E6420	H62T3R1	DoC	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.85	No	0	Supplied by applicant
2	RJ-45 Cable	1	10	No	0	Provided by Lab
3	RJ-45 Cable	1	10	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/5/13

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/5/13

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 Telegartner	50 ohm	3	2024/11/1	2025/10/31
EMI Test Receiver R&S	ESCS 30	100375	2024/5/20	2025/5/19
Fixed Attenuator STI	STI02-2200-10	005	2025/2/17	2026/2/16
LISN R&S	ESH3-Z5	835239/001	2025/3/27	2026/3/26
		848773/004	2024/10/7	2025/10/6
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2025/2/17	2026/2/16
Software BVADT	BVADT_Conc_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2025/5/16

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0842	2024/10/8	2025/10/7
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2025/3/25	2026/3/24
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2025/3/29	2026/3/28
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
Preamplifier EMCI	EMC330N	980538	2025/3/29	2026/3/28
	EMC001340	980142	2025/2/17	2026/2/16
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
RF Coaxial Cable PEWC	8D	966-5-1	2025/3/29	2026/3/28
		966-5-2	2025/3/29	2026/3/28
		966-5-3	2025/3/29	2026/3/28
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2025/5/16

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2025/3/25	2026/3/24
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1819	2024/11/10	2025/11/9
	BBHA 9170	9170-739	2024/11/10	2025/11/9
Preamplifier EMCI	EMC12630SE	980509	2025/1/18	2026/1/17
	EMC184045SE	980387	2024/8/8	2025/8/7
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2025/1/24	2026/1/23
	EMC102-KM-KM-4000	200214	2025/1/24	2026/1/23
	EMC104-SM-SM-1500	180503	2025/3/8	2026/3/7
	EMC104-SM-SM-2000	180501	2025/3/8	2026/3/7
	EMC104-SM-SM-6000	180506	2025/3/8	2026/3/7
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2025/4/17 ~ 2025/5/16

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 Points	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Client devices	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 Points	
	Indoor Access Point	
	Client devices	11 dBm/MHz

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

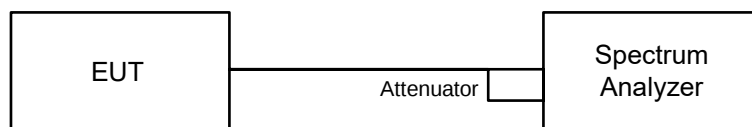
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

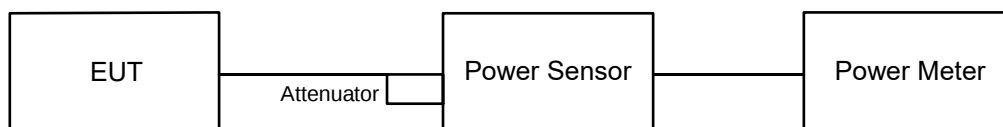


6.1.2 Test Procedure

- 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:

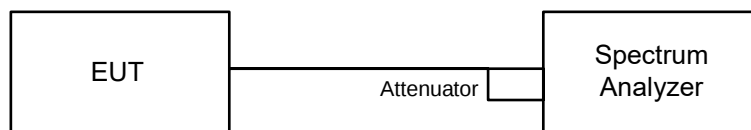
Method SA-1

- 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

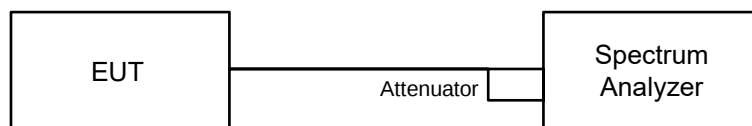
For specified measurement bandwidth 500 kHz:

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

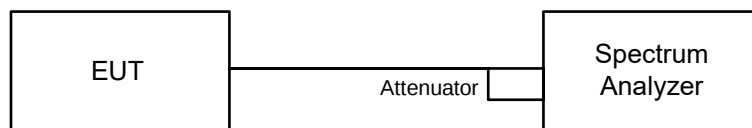


6.4.2 Test Procedure

- 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

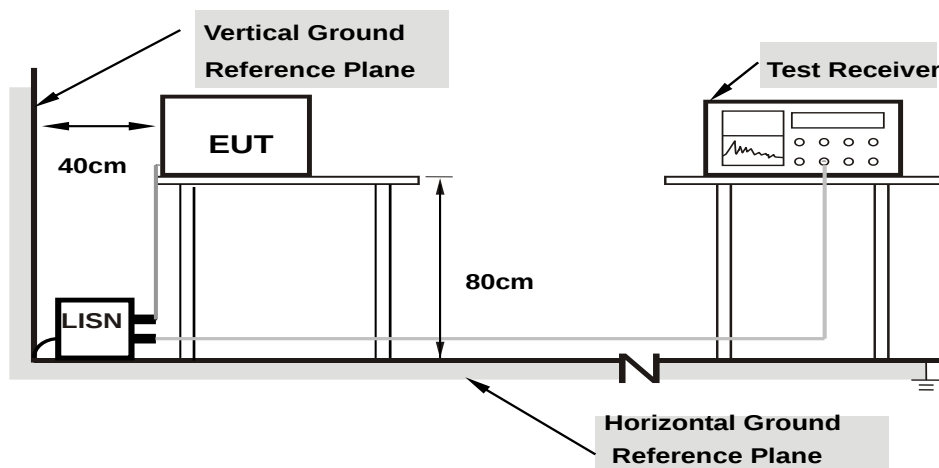


6.5.2 Test Procedure

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

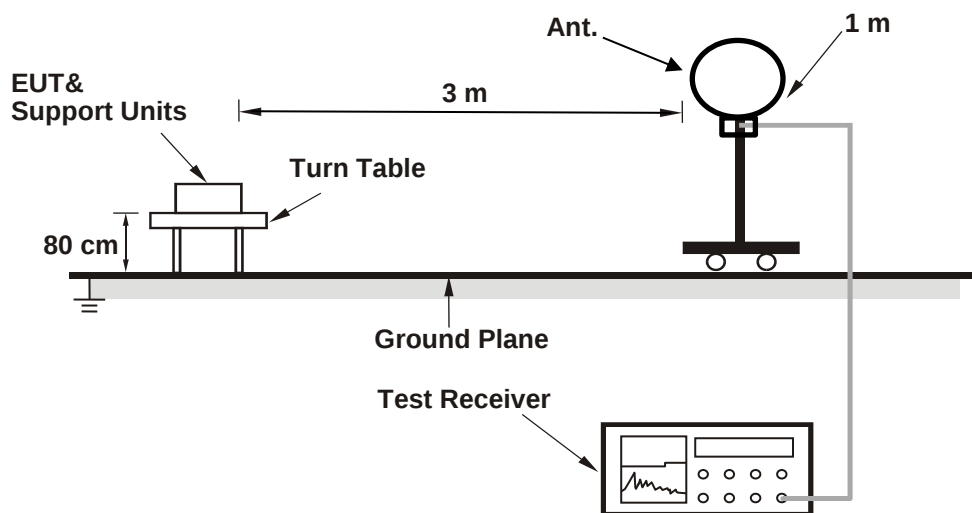
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

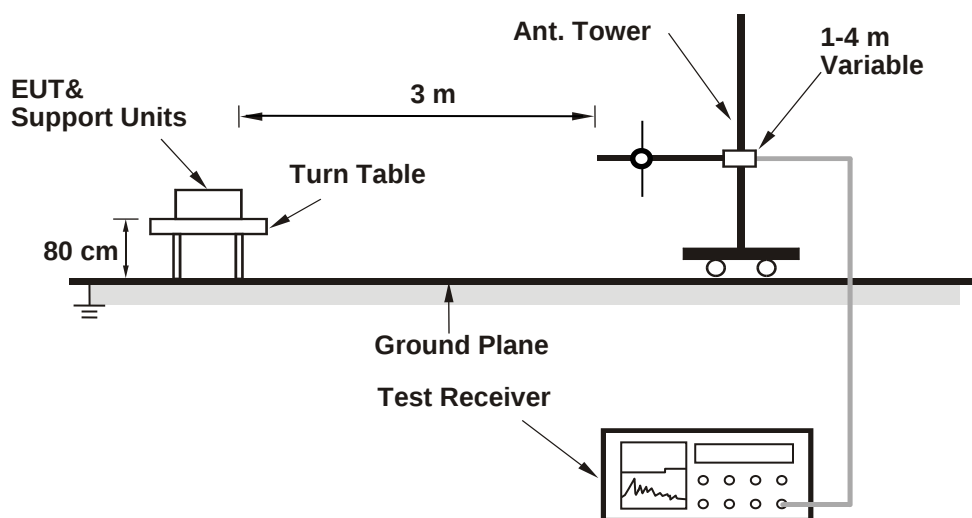
6.7 Unwanted Emissions below 1 GHz

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

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- 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.
- 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:

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

For Radiated emission above 30 MHz

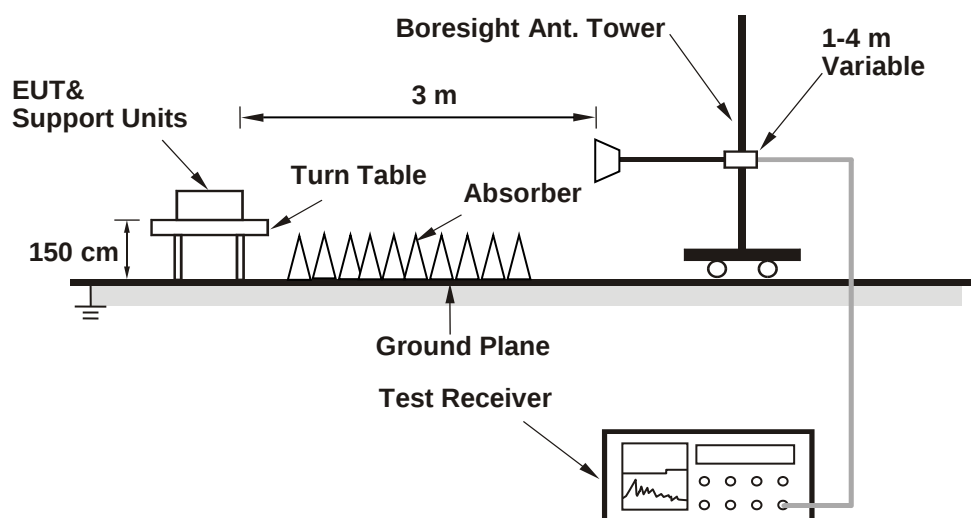
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top 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 quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
- 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:	Chun Wu
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802.11a CDD

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	18.28	18.13	18.26	18.40
60	5300	21.21	18.46	20.03	20.35
64	5320	21.38	22.54	23.05	20.42
100	5500	19.22	19.68	19.65	22.73
116	5580	18.27	18.14	18.18	18.24
140	5700	20.89	20.66	21.37	21.44
144 (U-NII-2C)	5720	14.09	14.18	14.29	14.22
144 (U-NII-3)	5720	4.04	4.11	4.20	4.18

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	18.13	23.58	<	24
60	5300	18.46	23.66	<	24
64	5320	20.42	24.1	>	24
100	5500	19.22	23.83	<	24
116	5580	18.14	23.58	<	24
140	5700	20.66	24.15	>	24
144 (U-NII-2C)	5720	14.09	22.48	<	24

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

802.11be (EHT20) CDD

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.85	19.85	19.91	19.81
60	5300	19.85	19.83	19.86	19.85
64	5320	20.32	20.16	19.97	19.89
100	5500	19.97	19.87	19.80	19.94
116	5580	19.91	19.86	19.87	19.88
140	5700	19.87	22.70	19.85	19.84
144 (U-NII-2C)	5720	14.94	15.01	15.01	14.94
144 (U-NII-3)	5720	4.90	4.94	4.92	4.90

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	19.81	23.96 < 24
60	5300	19.83	23.97 < 24
64	5320	19.89	23.98 < 24
100	5500	19.80	23.96 < 24
116	5580	19.86	23.97 < 24
140	5700	19.84	23.97 < 24
144 (U-NII-2C)	5720	14.94	22.74 < 24

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

802.11be (EHT40) CDD

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	39.38	39.46	39.23	39.37
62	5310	39.40	39.49	39.34	39.38
102	5510	39.40	39.46	39.45	39.50
110	5550	39.40	39.27	39.37	39.40
134	5670	39.42	39.49	39.49	39.48
142 (U-NII-2C)	5710	34.77	34.69	34.68	34.70
142 (U-NII-3)	5710	4.70	4.62	4.65	4.66

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.23	26.93 > 24
62	5310	39.34	26.94 > 24
102	5510	39.40	26.95 > 24
110	5550	39.27	26.94 > 24
134	5670	39.42	26.95 > 24
142 (U-NII-2C)	5710	34.68	26.4 > 24

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

802.11be (EHT80) CDD

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	80.08	80.09	80.01	80.03
106	5530	80.01	80.03	80.06	80.08
122	5610	80.07	80.00	79.95	80.03
138 (U-NII-2C)	5690	74.92	74.94	74.93	74.88
138 (U-NII-3)	5690	4.80	4.81	4.85	4.81

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	80.01	30.03 > 24
106	5530	80.01	30.03 > 24
122	5610	79.95	30.02 > 24
138 (U-NII-2C)	5690	74.88	29.74 > 24

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

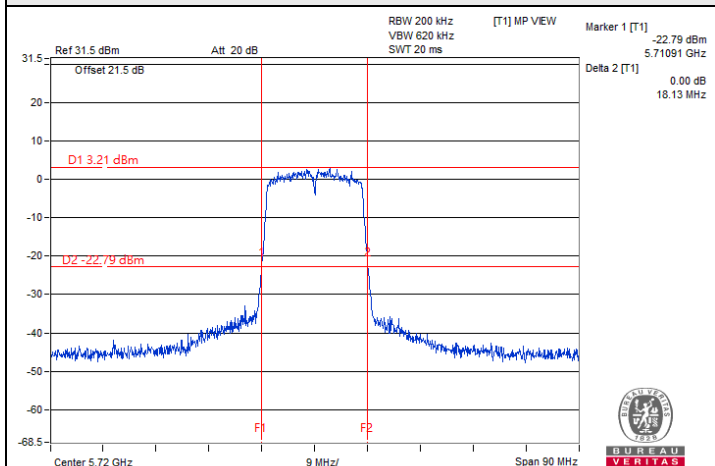
802.11be (EHT160) CDD

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	84.13	81.10	81.46	81.08
50 (U-NII-2A)	5250	80.94	80.93	80.87	81.03
114	5570	162.64	162.18	161.83	162.03

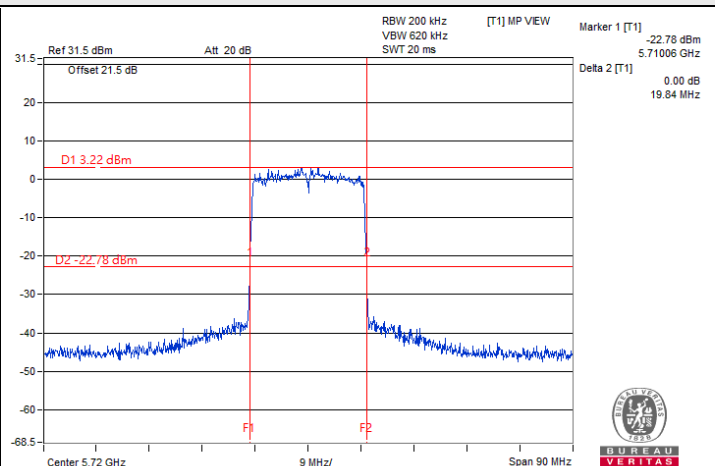
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	80.87	30.07 > 24
114	5570	161.83	33.09 > 24

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

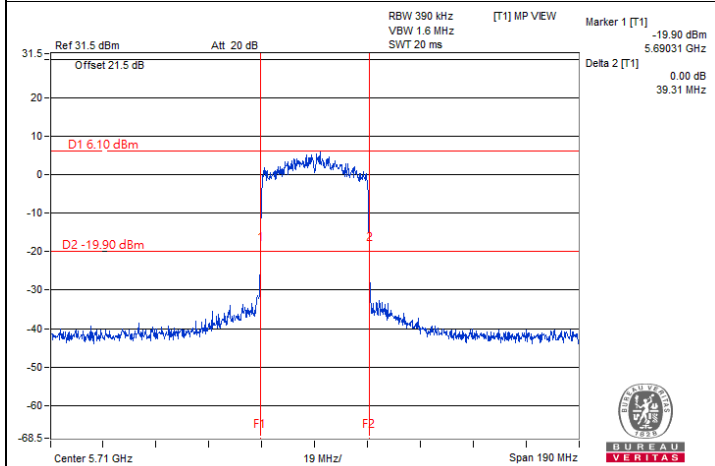
Spectrum Plot of Minimum Value



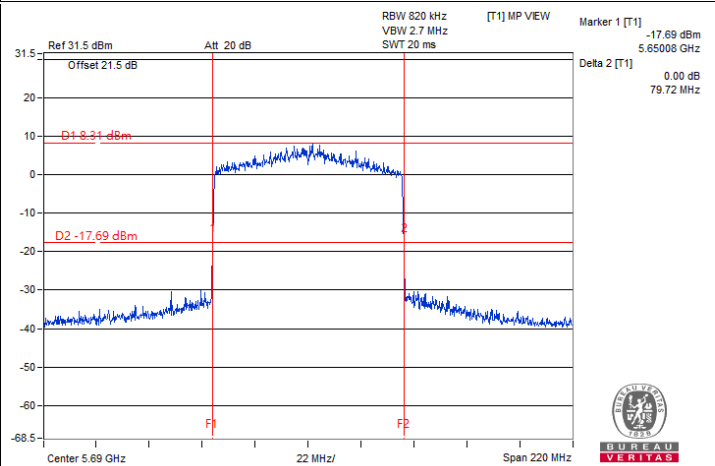
802.11a CDD/ Chain 0 : CH 144 (U-NII-3)



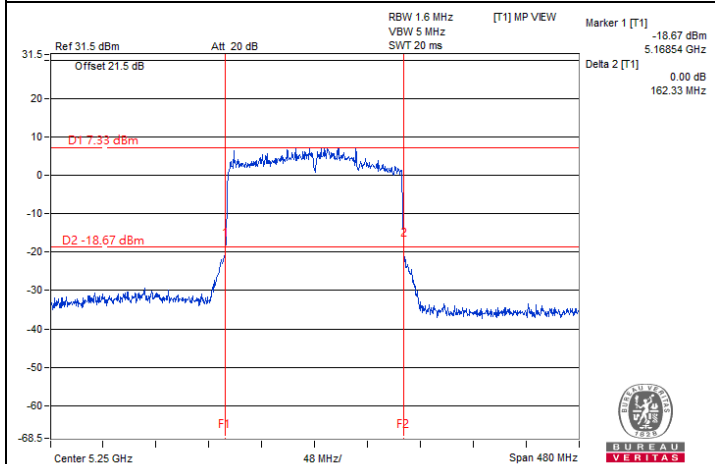
802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-3)



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



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



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

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

802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
52	5260	16.83	17.52	16.96	16.51	199.119	22.99	23.58	Pass
60	5300	16.83	17.18	16.65	16.61	192.487	22.84	23.66	Pass
64	5320	17.09	17.53	17.24	16.89	209.624	23.21	24	Pass
100	5500	16.81	17.04	17.07	17.22	202.212	23.06	23.83	Pass
116	5580	16.43	17.06	16.46	16.21	180.812	22.57	23.58	Pass
140	5700	16.67	16.73	16.30	16.47	180.568	22.57	24	Pass
*144 (U-NII-2C)	5720	16.12	15.92	16.58	16.26	167.776	22.25	22.48	Pass
*144 (U-NII-3)	5720	9.17	8.45	9.13	9.32	31.994	15.05	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
52	5260	17.31	17.85	17.36	17.05	219.93	23.42	23.96	Pass
60	5300	17.17	17.78	17.26	17.16	217.309	23.37	23.97	Pass
64	5320	17.37	17.65	17.24	16.94	215.184	23.33	23.98	Pass
100	5500	16.87	17.08	17.32	17.04	204.225	23.10	23.96	Pass
116	5580	16.89	17.55	16.93	16.44	199.123	22.99	23.97	Pass
140	5700	17.09	17.33	16.88	16.90	202.974	23.07	23.97	Pass
*144 (U-NII-2C)	5720	15.40	15.32	15.67	15.66	142.425	21.54	22.74	Pass
*144 (U-NII-3)	5720	9.50	9.05	9.83	9.62	35.726	15.53	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
54	5270	17.81	18.36	17.47	17.31	238.618	23.78	24	Pass
62	5310	17.77	18.00	17.39	17.24	230.731	23.63	24	Pass
102	5510	17.51	17.36	17.58	17.41	223.174	23.49	24	Pass
110	5550	17.24	17.39	17.79	17.42	223.119	23.49	24	Pass
134	5670	16.94	17.47	17.18	17.39	212.345	23.27	24	Pass
*142 (U-NII-2C)	5710	16.26	16.33	15.93	16.10	165.133	22.18	24	Pass
*142 (U-NII-3)	5710	4.57	5.28	4.30	4.67	11.859	10.74	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
58	5290	17.29	17.88	17.22	16.89	216.544	23.36	24	Pass
106	5530	17.39	17.59	17.86	17.59	230.745	23.63	24	Pass
122	5610	17.84	18.09	17.58	17.31	236.337	23.74	24	Pass
*138 (U-NII-2C)	5690	16.64	16.61	17.13	16.39	187.139	22.72	24	Pass
*138 (U-NII-3)	5690	1.65	2.03	3.25	1.85	6.703	8.26	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	13.05	12.45	12.22	14.41	82.041	19.14	30	Pass
*50 (U-NII-2A)	5250	12.84	14.46	15.44	14.05	107.561	20.32	24	Pass
114	5570	17.17	17.32	17.67	17.17	216.669	23.36	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 4.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
52	5260	17.42	18.03	17.54	17.23	228.34	23.59	23.96	Pass
60	5300	17.33	17.96	17.45	17.26	225.394	23.53	23.97	Pass
64	5320	17.56	17.81	17.41	17.12	224.015	23.50	23.98	Pass
100	5500	17.05	17.27	17.46	17.23	212.596	23.28	23.96	Pass
116	5580	17.04	17.74	17.10	16.61	207.112	23.16	23.97	Pass
140	5700	17.22	17.48	16.98	17.08	209.638	23.21	23.97	Pass
*144 (U-NII-2C)	5720	15.64	15.67	16.05	16.20	155.5	21.92	22.74	Pass
*144 (U-NII-3)	5720	9.77	9.44	10.04	9.92	38.184	15.82	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
54	5270	17.92	18.53	17.62	17.47	246.886	23.92	24	Pass
62	5310	17.88	18.20	17.56	17.37	239.038	23.78	24	Pass
102	5510	17.66	17.54	17.72	17.51	230.619	23.63	24	Pass
110	5550	17.37	17.53	17.89	17.56	229.734	23.61	24	Pass
134	5670	17.07	17.65	17.35	17.55	220.354	23.43	24	Pass
*142 (U-NII-2C)	5710	16.69	16.75	16.29	16.40	180.192	22.56	24	Pass
*142 (U-NII-3)	5710	5.24	5.57	4.74	5.05	13.125	11.18	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
58	5290	17.44	18.01	17.33	17.02	223.129	23.49	24	Pass
106	5530	17.57	17.69	18.04	17.70	238.461	23.77	24	Pass
122	5610	17.97	18.25	17.76	17.44	244.662	23.89	24	Pass
*138 (U-NII-2C)	5690	17.07	17.15	17.53	16.84	207.743	23.18	24	Pass
*138 (U-NII-3)	5690	2.85	2.32	2.20	2.61	7.117	8.52	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-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	14.99	12.93	12.73	12.99	89.84	19.53	30	Pass
*50 (U-NII-2A)	5250	14.36	15.79	15.28	15.66	135.763	21.33	24	Pass
114	5570	17.31	17.42	17.86	17.33	224.204	23.51	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 4.08 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.13 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.62 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) 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	Chain 3				
52	5260	17.11	17.67	17.23	16.91	211.819	23.26	23.96	Pass
60	5300	17.00	17.64	17.09	17.01	209.598	23.21	23.97	Pass
64	5320	17.19	17.51	17.05	16.79	207.176	23.16	23.98	Pass
100	5500	16.72	16.96	17.15	16.90	197.507	22.96	23.85	Pass
116	5580	16.74	17.44	16.80	16.31	193.288	22.86	23.86	Pass
140	5700	16.92	17.14	16.70	16.79	195.491	22.91	23.86	Pass
*144 (U-NII-2C)	5720	15.37	15.29	15.64	15.62	141.361	21.50	22.63	Pass
*144 (U-NII-3)	5720	9.48	9.03	9.79	9.59	35.497	15.50	29.48	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.52-6) = 29.48 dBm.

802.11ac (VHT40) 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	Chain 3				
54	5270	17.69	18.26	17.38	17.19	232.799	23.67	24	Pass
62	5310	17.64	17.85	17.31	17.10	224.143	23.51	24	Pass
102	5510	17.36	17.25	17.47	17.30	217.089	23.37	23.89	Pass
110	5550	17.12	17.25	17.67	17.29	216.67	23.36	23.89	Pass
134	5670	16.81	17.35	17.04	17.26	206.092	23.14	23.89	Pass
*142 (U-NII-2C)	5710	16.23	16.29	15.91	16.08	164.081	22.15	23.89	Pass
*142 (U-NII-3)	5710	4.54	5.25	4.27	4.64	11.778	10.71	29.48	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.52-6) = 29.48 dBm.

802.11ac (VHT80) 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	Chain 3				
58	5290	17.15	17.72	17.08	16.75	209.402	23.21	24	Pass
106	5530	17.25	17.45	17.71	17.46	223.418	23.49	23.89	Pass
122	5610	17.72	17.95	17.43	17.20	229.345	23.60	23.89	Pass
*138 (U-NII-2C)	5690	16.62	16.58	17.10	16.37	186.056	22.70	23.89	Pass
*138 (U-NII-3)	5690	1.62	1.99	3.21	1.83	6.652	8.23	29.48	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.52-6) = 29.48 dBm.

802.11ac (VHT160) 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	Chain 3				
*50 (U-NII-1)	5250	13.02	12.41	12.21	14.39	81.576	19.12	30	Pass
*50 (U-NII-2A)	5250	12.81	14.45	15.43	14.01	107.051	20.30	24	Pass
114	5570	17.01	17.18	17.52	17.06	209.784	23.22	23.89	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 5.78 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].

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	Chain 3				
52	5260	17.25	17.93	17.43	17.11	221.915	23.46	23.96	Pass
60	5300	17.18	17.78	17.34	17.10	217.705	23.38	23.97	Pass
64	5320	17.40	17.70	17.25	16.97	216.701	23.36	23.98	Pass
100	5500	16.91	17.08	17.36	17.09	205.76	23.13	23.85	Pass
116	5580	16.86	17.57	16.96	16.47	199.697	23.00	23.86	Pass
140	5700	17.03	17.38	16.85	16.92	202.789	23.07	23.86	Pass
*144 (U-NII-2C)	5720	15.62	15.64	16.03	16.18	154.701	21.89	22.63	Pass
*144 (U-NII-3)	5720	9.75	9.40	10.00	9.89	37.9	15.79	29.48	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.52-6) = 29.48 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	Chain 3				
54	5270	17.79	18.39	17.49	17.35	239.571	23.79	24	Pass
62	5310	17.73	18.06	17.44	17.25	231.817	23.65	24	Pass
102	5510	17.42	17.41	17.61	17.42	223.173	23.49	23.89	Pass
110	5550	17.25	17.39	17.76	17.43	222.955	23.48	23.89	Pass
134	5670	16.97	17.55	17.23	17.45	215.094	23.33	23.89	Pass
*142 (U-NII-2C)	5710	16.67	16.72	16.26	16.38	179.159	22.53	23.89	Pass
*142 (U-NII-3)	5710	5.21	5.54	4.71	5.03	13.042	11.15	29.48	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.52-6) = 29.48 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	Chain 3				
58	5290	17.32	17.91	17.23	16.89	217.462	23.37	24	Pass
106	5530	17.45	17.55	17.94	17.62	232.515	23.66	23.89	Pass
122	5610	17.85	18.16	17.62	17.35	238.552	23.78	23.89	Pass
*138 (U-NII-2C)	5690	17.04	17.11	17.50	16.81	206.194	23.14	23.89	Pass
*138 (U-NII-3)	5690	2.81	2.29	2.17	2.57	7.06	8.49	29.48	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.52-6) = 29.48 dBm.

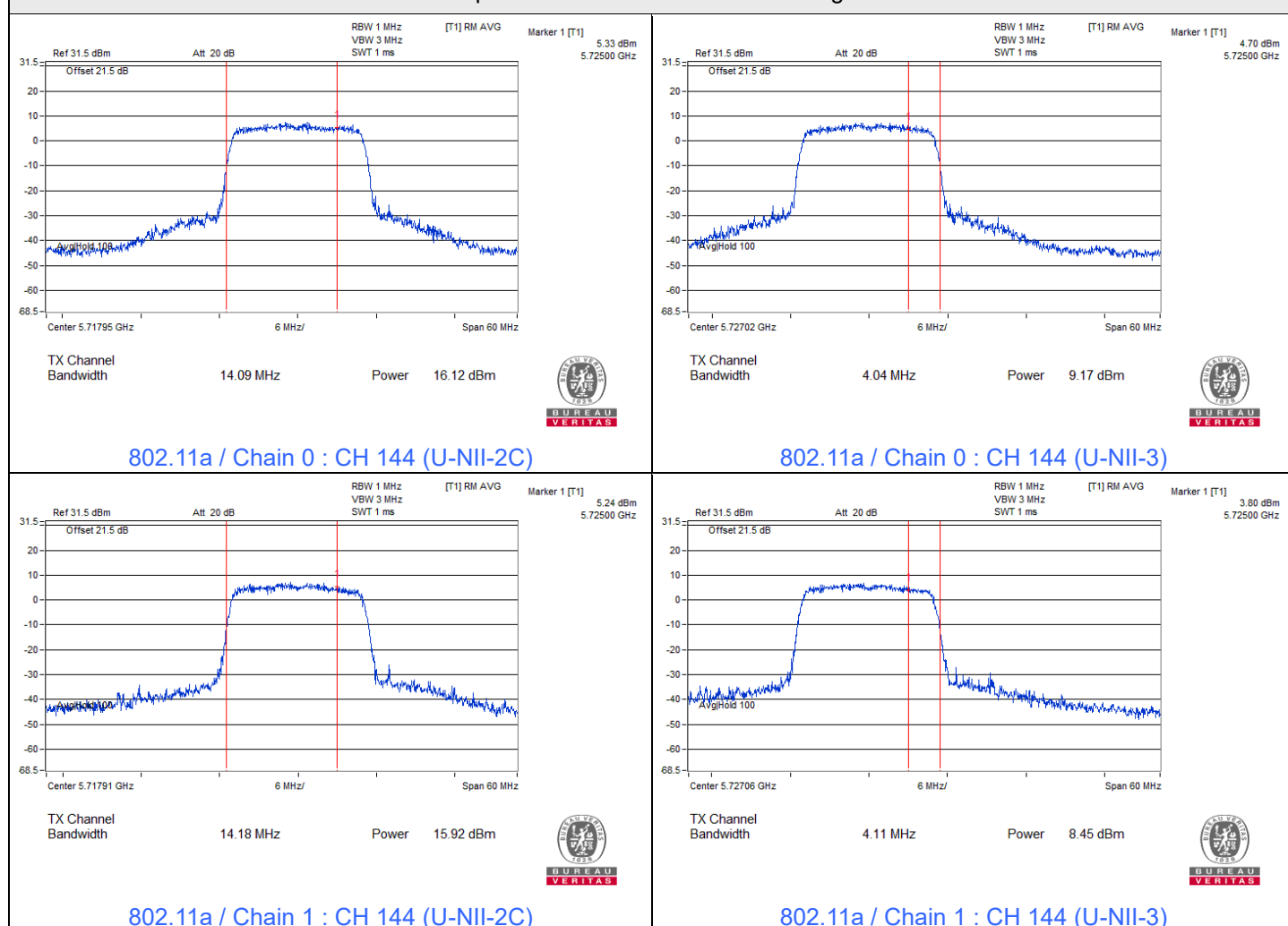
802.11be (EHT160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	14.97	12.91	12.70	12.95	89.294	19.51	30	Pass
*50 (U-NII-2A)	5250	14.33	15.77	15.26	15.63	134.992	21.30	24	Pass
114	5570	17.19	17.28	17.75	17.20	217.863	23.38	23.89	Pass

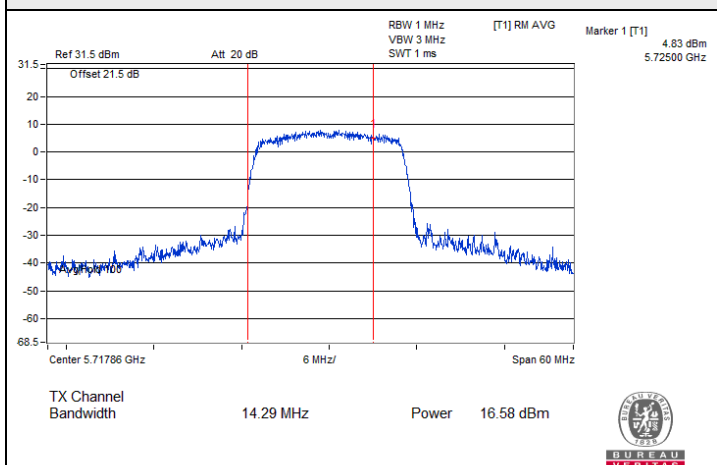
Notes:

- * : 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 5.78 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.11-6)].

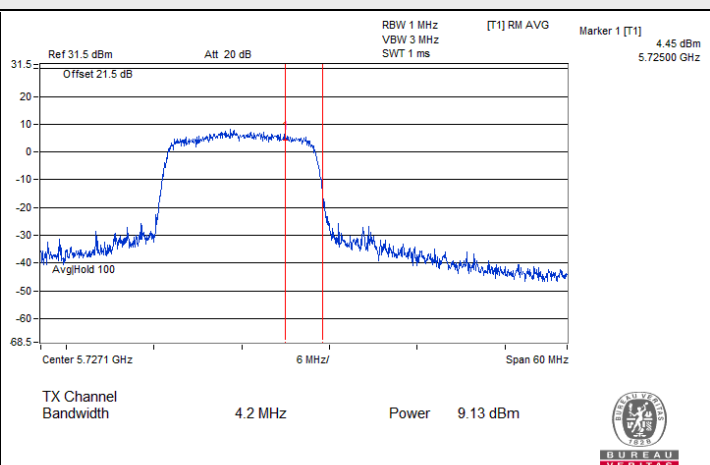
Spectrum Plot for channel straddling



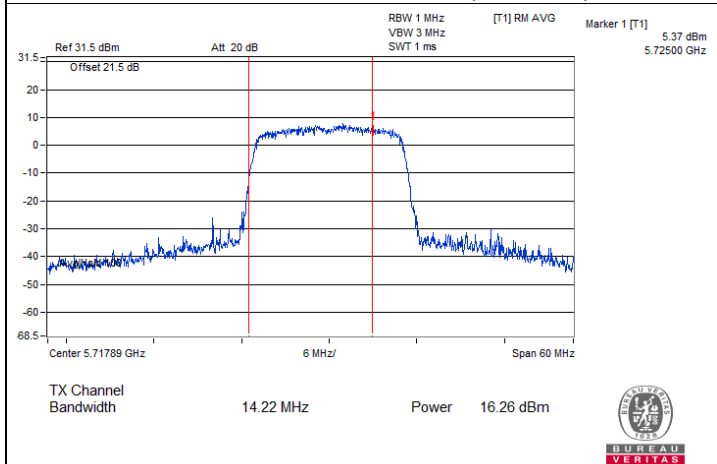
Spectrum Plot for channel straddling



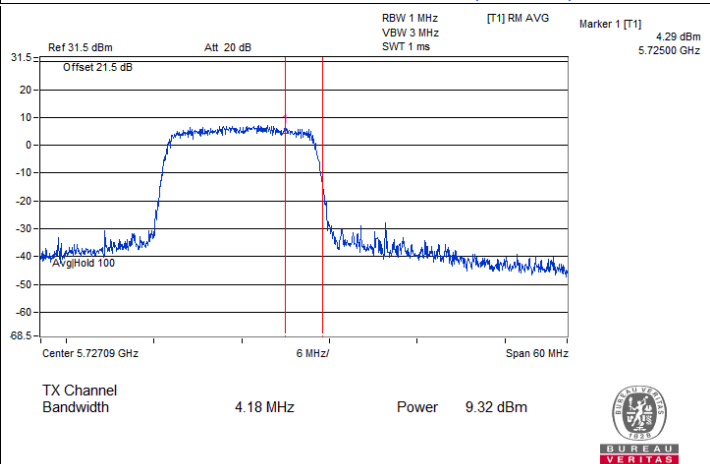
802.11a / Chain 2 : CH 144 (U-NII-2C)



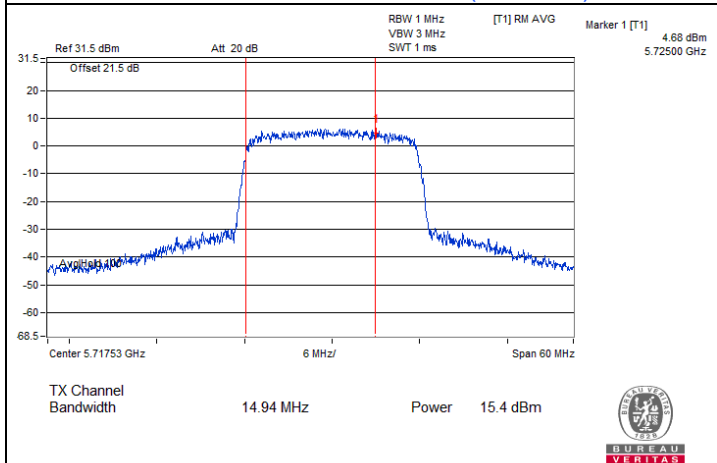
802.11a / Chain 2 : CH 144 (U-NII-3)



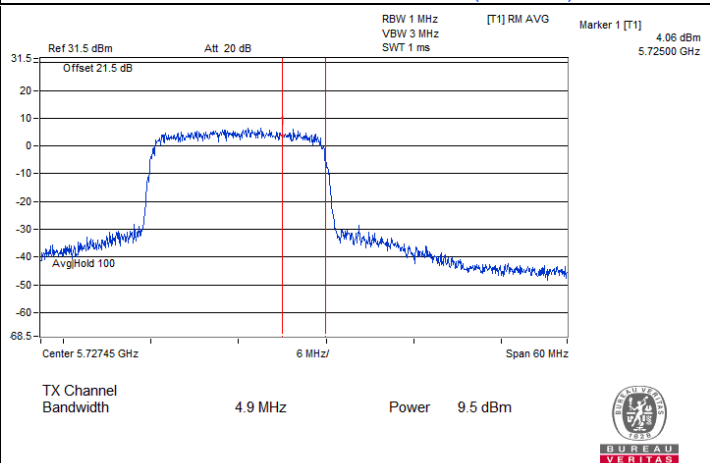
802.11a / Chain 3 : CH 144 (U-NII-2C)



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

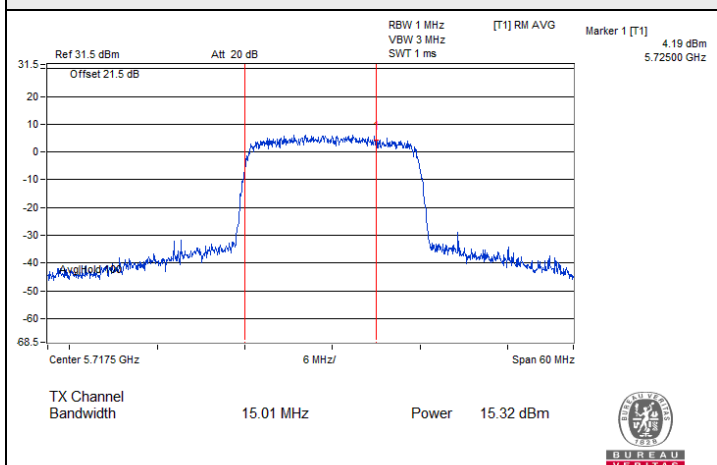


802.11ac (VHT20) CDD / Chain 0 : CH 144 (U-NII-2C)

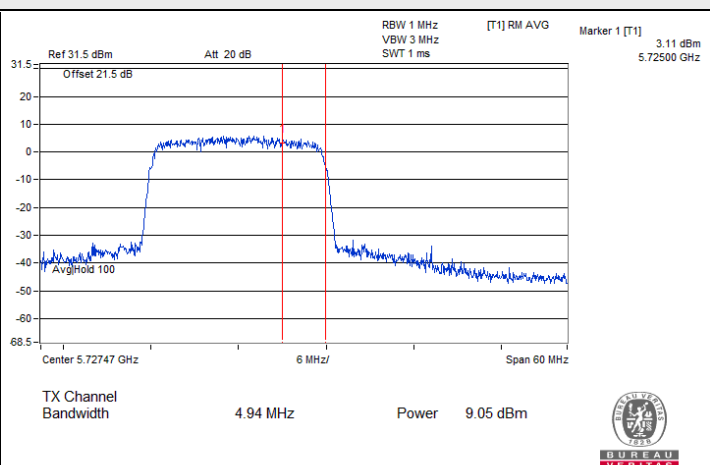


802.11ac (VHT20) CDD / Chain 0 : CH 144 (U-NII-3)

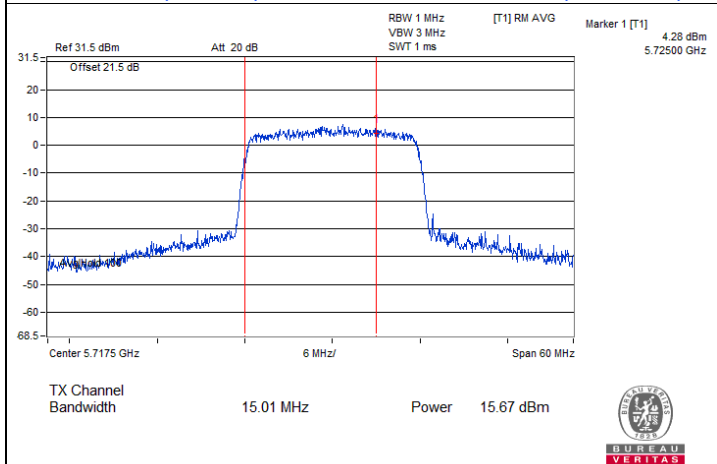
Spectrum Plot for channel straddling



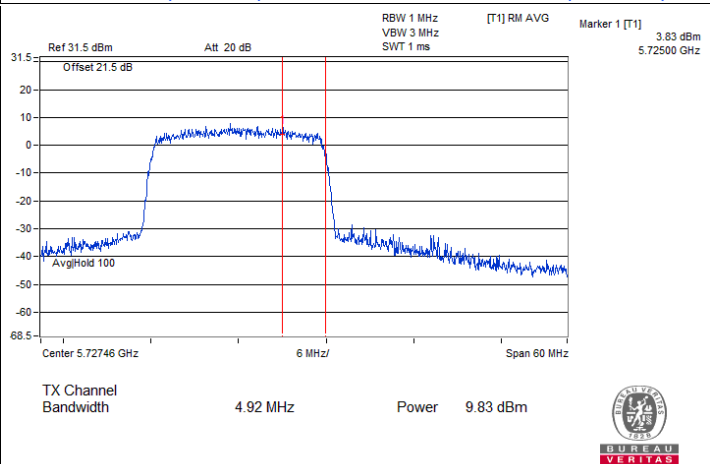
802.11ac (VHT20) CDD / Chain 1 : CH 144 (U-NII-2C)



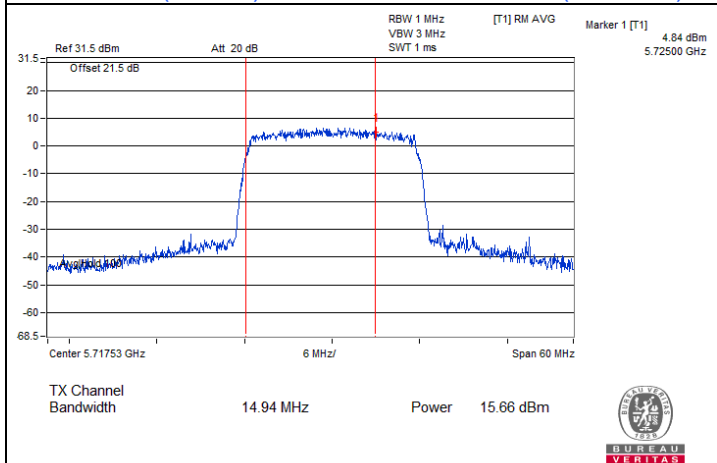
802.11ac (VHT20) CDD / Chain 1 : CH 144 (U-NII-3)



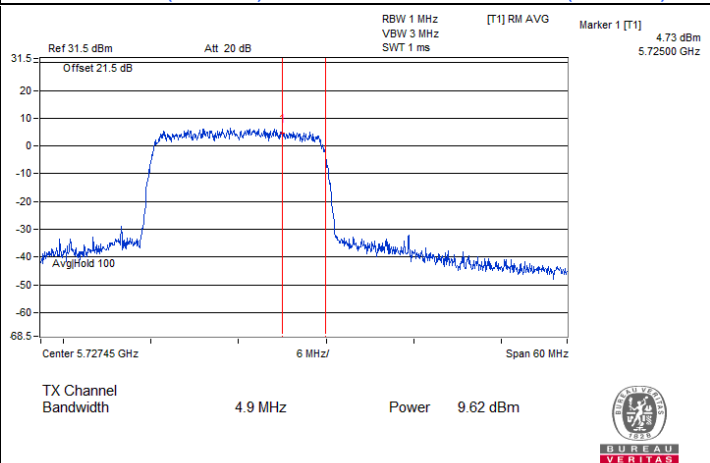
802.11ac (VHT20) CDD / Chain 2 : CH 144 (U-NII-2C)



802.11ac (VHT20) CDD / Chain 2 : CH 144 (U-NII-3)

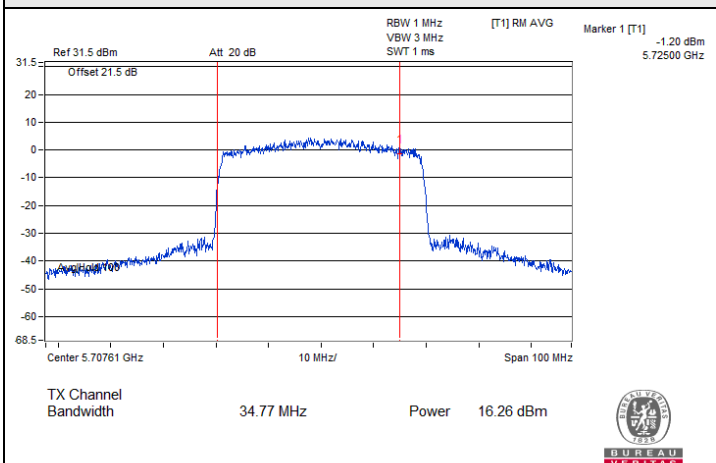


802.11ac (VHT20) CDD / Chain 3 : CH 144 (U-NII-2C)

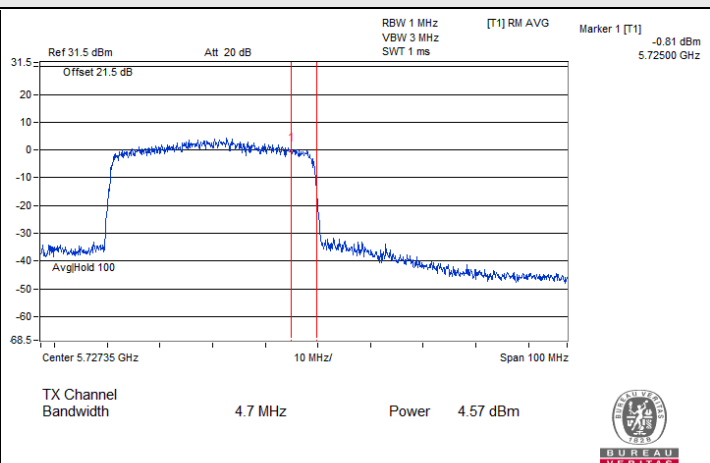


802.11ac (VHT20) CDD / Chain 3 : CH 144 (U-NII-3)

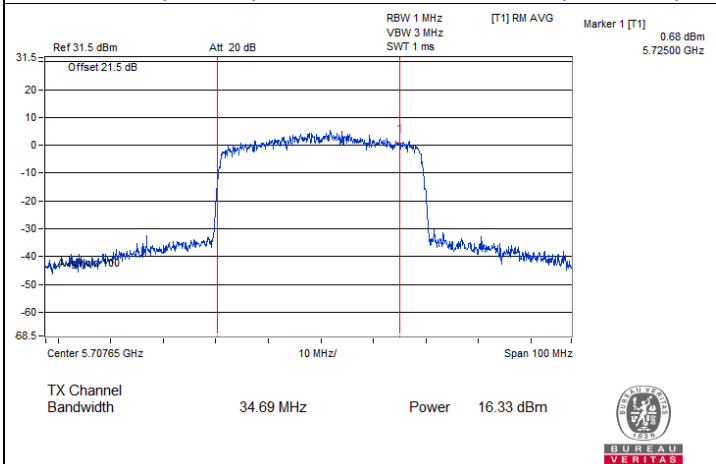
Spectrum Plot for channel straddling



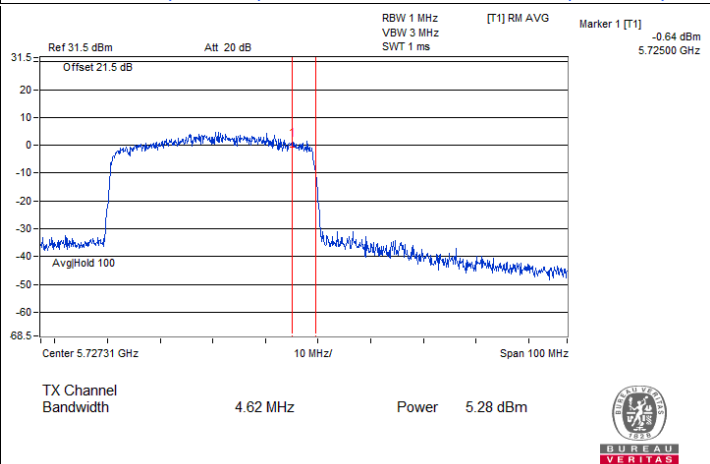
802.11ac (VHT40) CDD / Chain 0 : CH 142 (U-NII-2C)



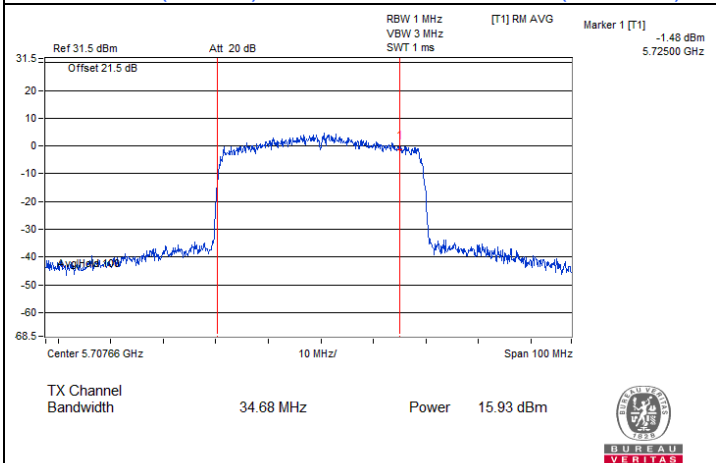
802.11ac (VHT40) CDD / Chain 0 : CH 142 (U-NII-3)



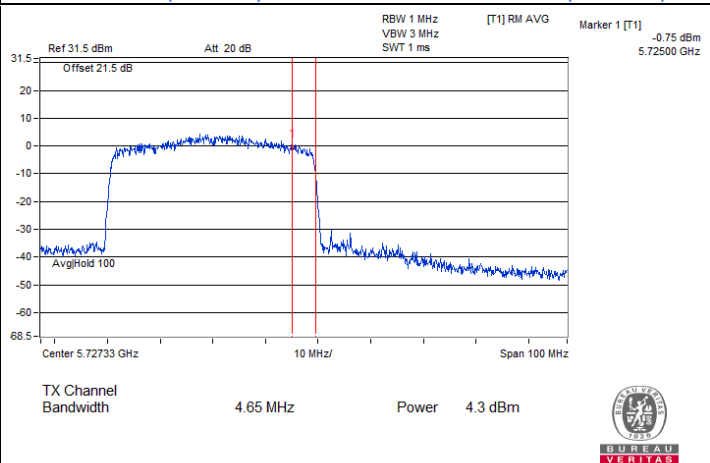
802.11ac (VHT40) CDD / Chain 1 : CH 142 (U-NII-2C)



802.11ac (VHT40) CDD / Chain 1 : CH 142 (U-NII-3)

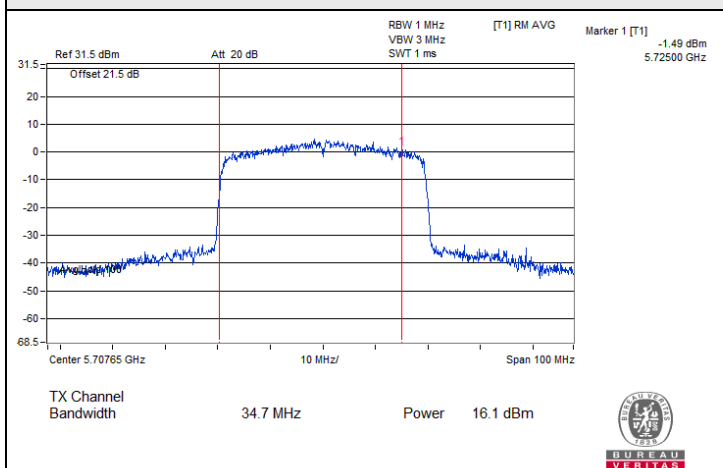


802.11ac (VHT40) CDD / Chain 2 : CH 142 (U-NII-2C)

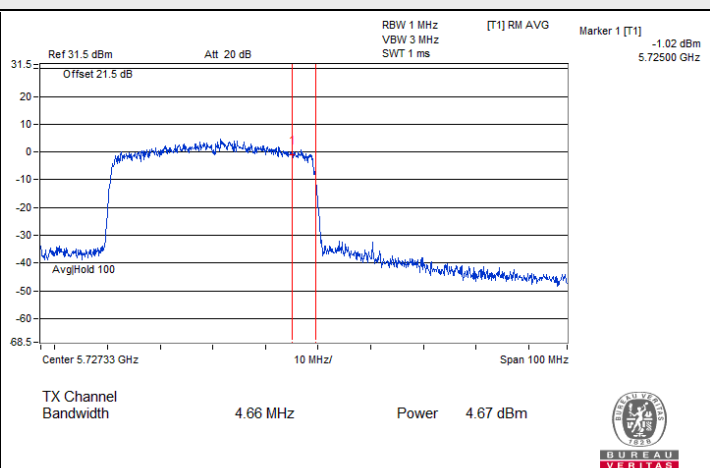


802.11ac (VHT40) CDD / Chain 2 : CH 142 (U-NII-3)

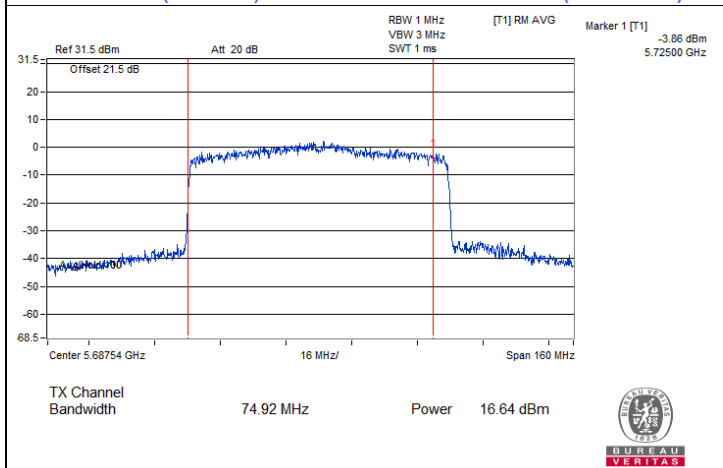
Spectrum Plot for channel straddling



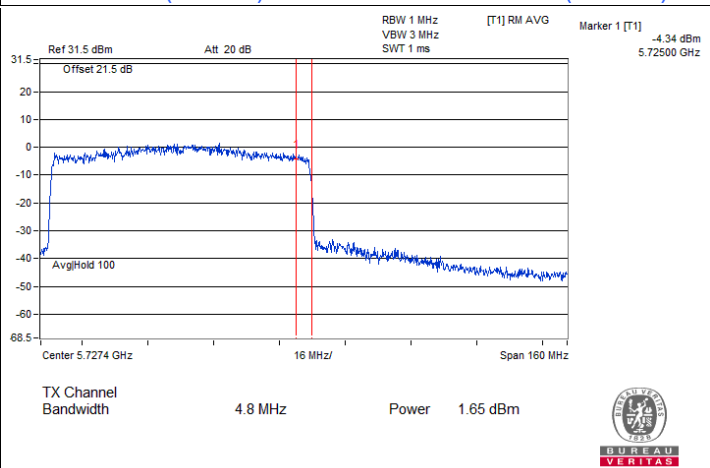
802.11ac (VHT40) CDD / Chain 3 : CH 142 (U-NII-2C)



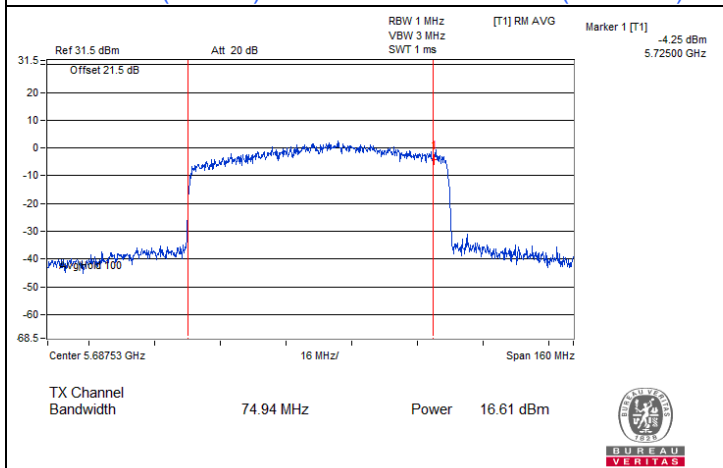
802.11ac (VHT40) CDD / Chain 3 : CH 142 (U-NII-3)



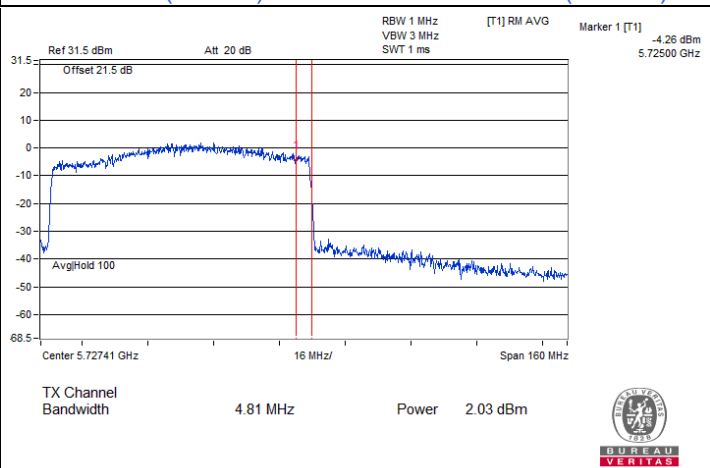
802.11ac (VHT80) CDD / Chain 0 : CH 138 (U-NII-2C)



802.11ac (VHT80) CDD / Chain 0 : CH 138 (U-NII-3)

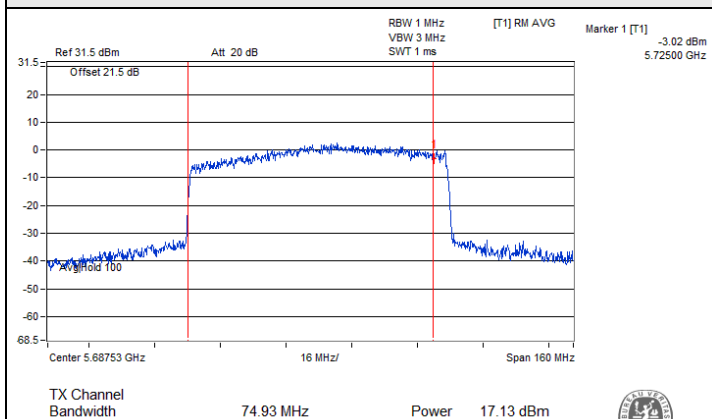


802.11ac (VHT80) CDD / Chain 1 : CH 138 (U-NII-2C)

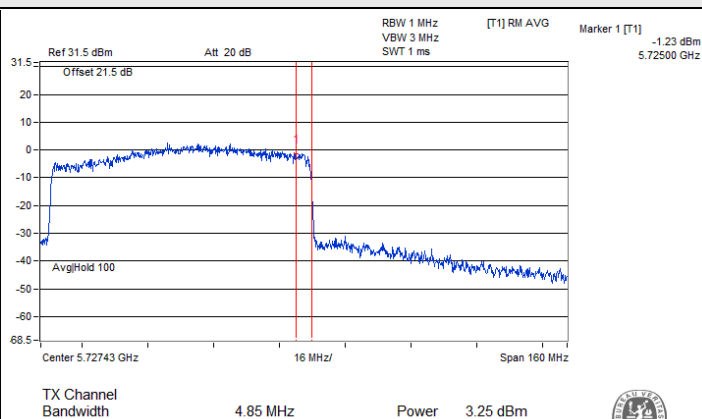


802.11ac (VHT80) CDD / Chain 1 : CH 138 (U-NII-3)

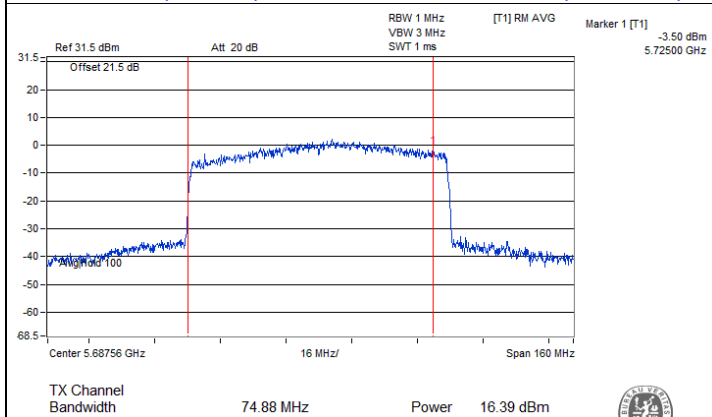
Spectrum Plot for channel straddling



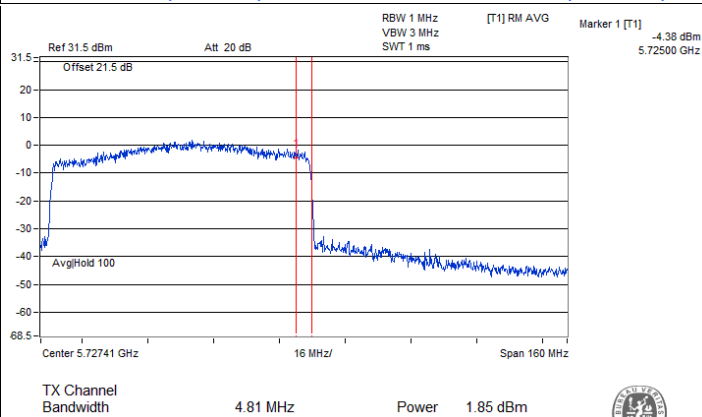
802.11ac (VHT80) CDD / Chain 2 : CH 138 (U-NII-2C)



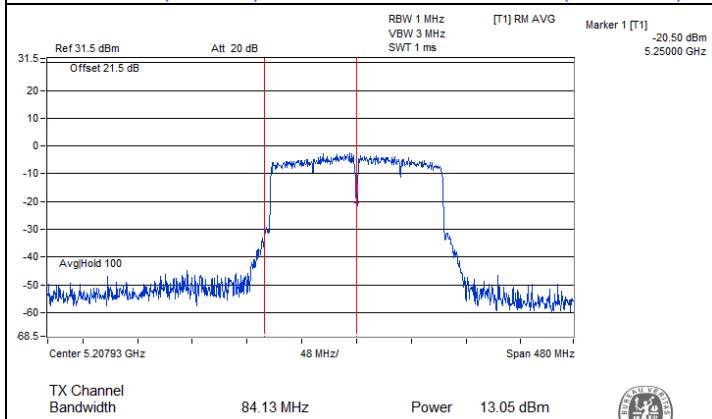
802.11ac (VHT80) CDD / Chain 2 : CH 138 (U-NII-3)



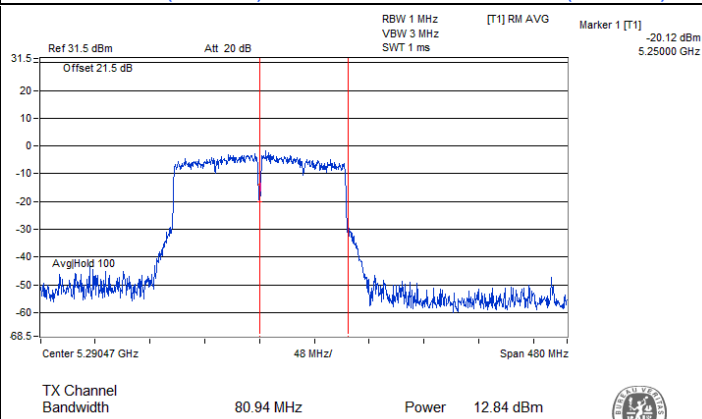
802.11ac (VHT80) CDD / Chain 3 : CH 138 (U-NII-2C)



802.11ac (VHT80) CDD / Chain 3 : CH 138 (U-NII-3)

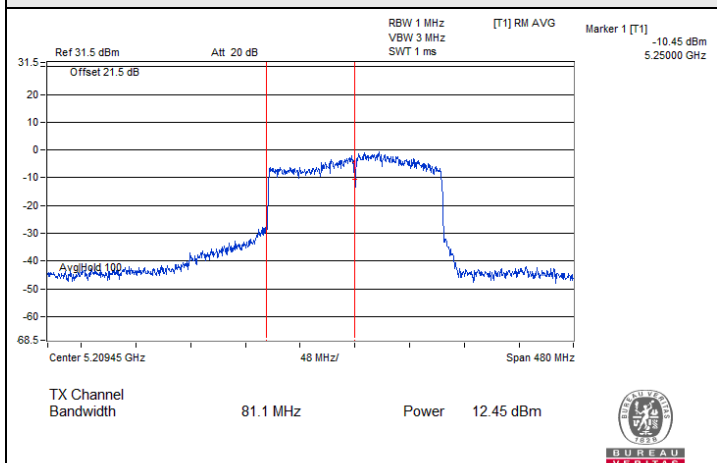


802.11ac (VHT160) CDD / Chain 0 : CH 50 (U-NII-1)

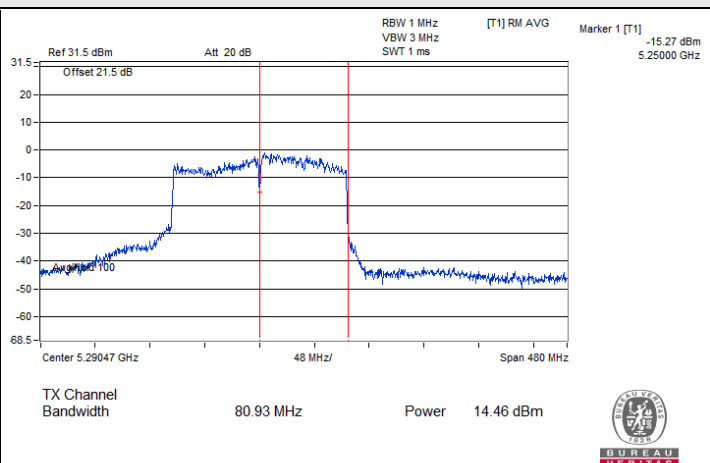


802.11ac (VHT160) CDD / Chain 0 : CH 50 (U-NII-2A)

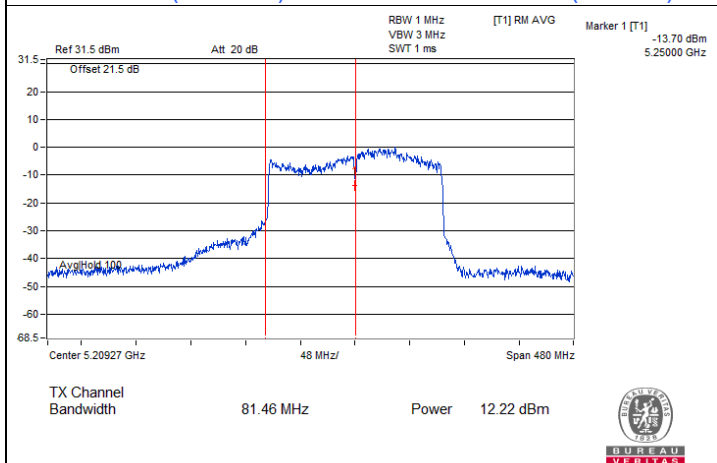
Spectrum Plot for channel straddling



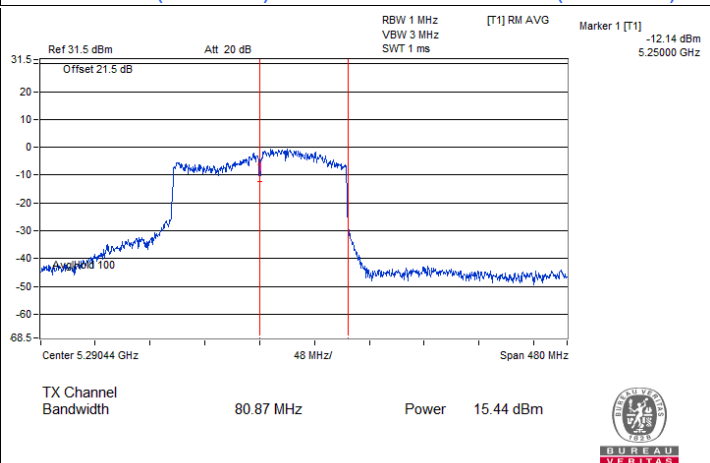
802.11ac (VHT160) CDD / Chain 1 : CH 50 (U-NII-1)



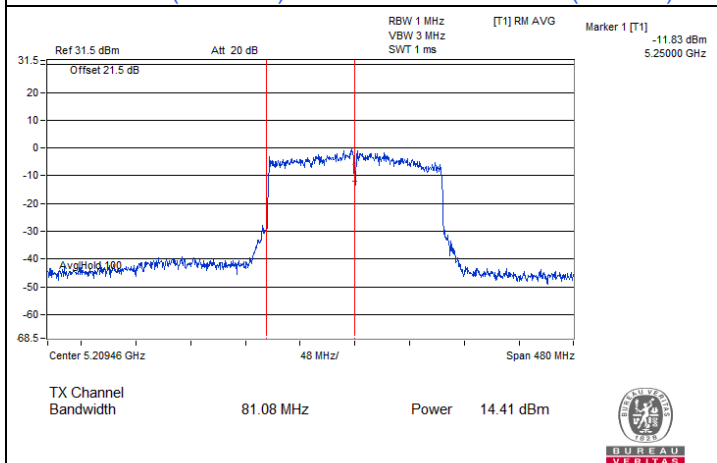
802.11ac (VHT160) CDD / Chain 1 : CH 50 (U-NII-2A)



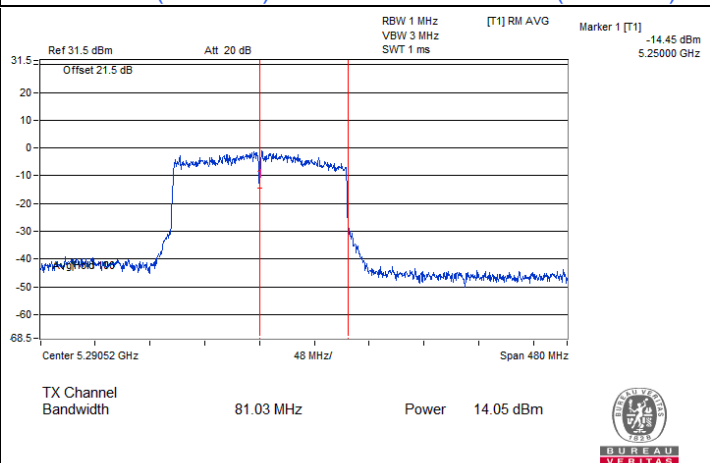
802.11ac (VHT160) CDD / Chain 2 : CH 50 (U-NII-1)



802.11ac (VHT160) CDD / Chain 2 : CH 50 (U-NII-2A)

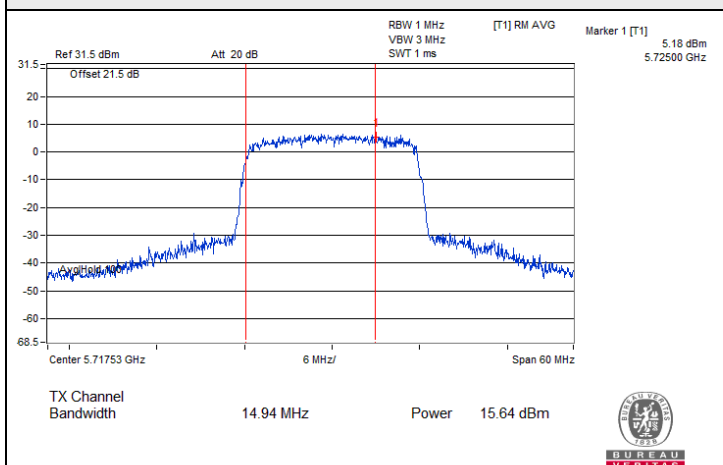


802.11ac (VHT160) CDD / Chain 3 : CH 50 (U-NII-1)

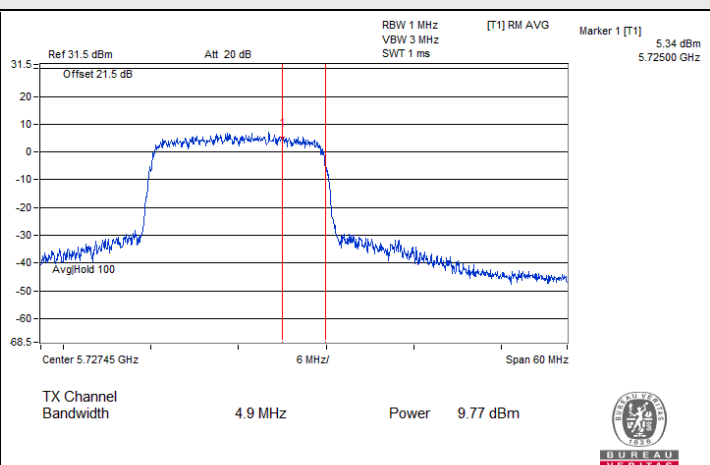


802.11ac (VHT160) CDD / Chain 3 : CH 50 (U-NII-2A)

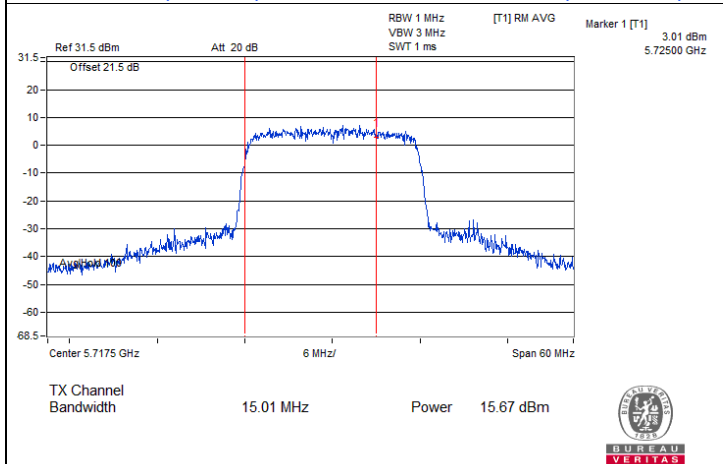
Spectrum Plot for channel straddling



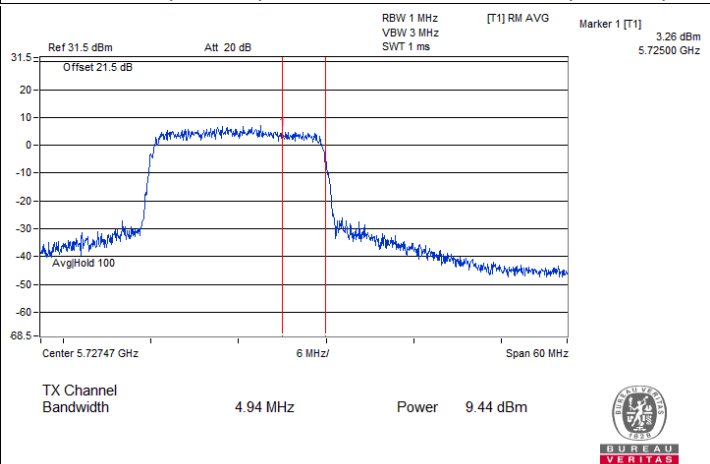
802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-2C)



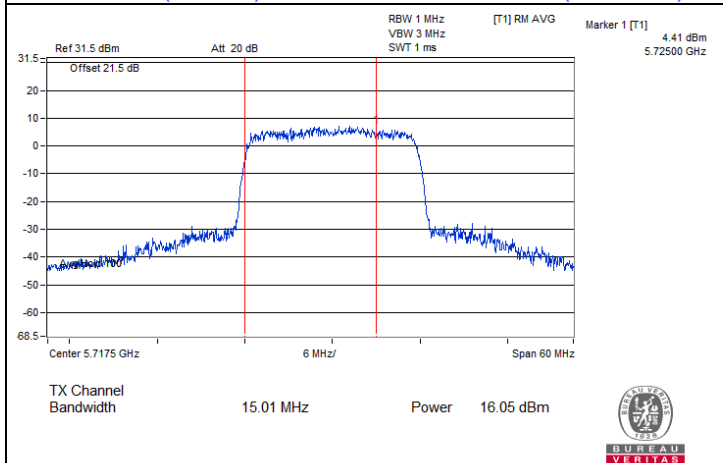
802.11be (EHT20) CDD / Chain 0 : CH 144 (U-NII-3)



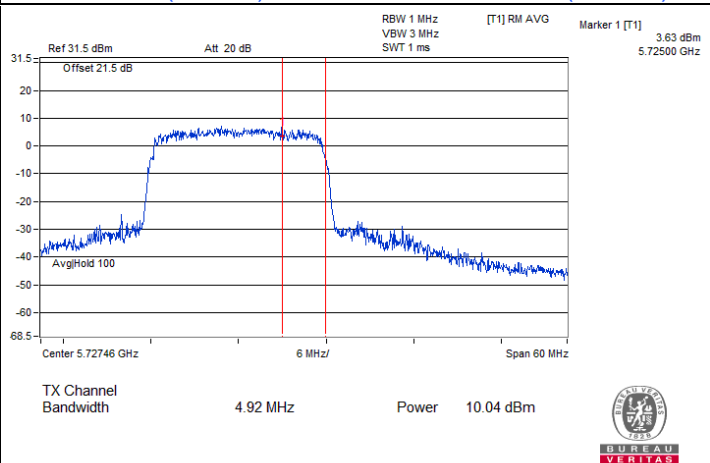
802.11be (EHT20) CDD / Chain 1 : CH 144 (U-NII-2C)



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

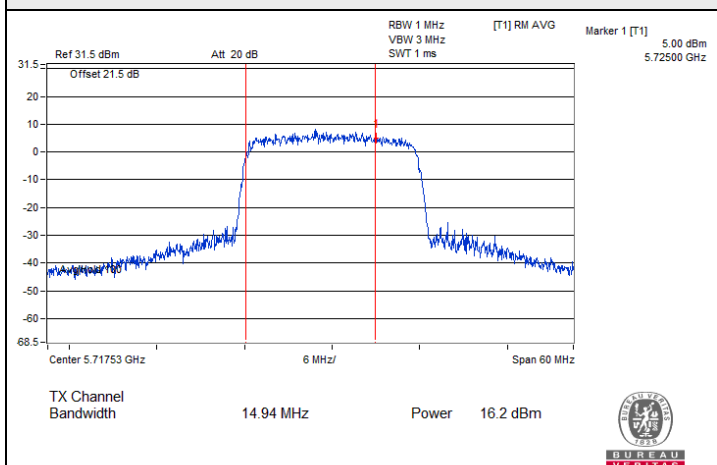


802.11be (EHT20) CDD / Chain 2 : CH 144 (U-NII-2C)

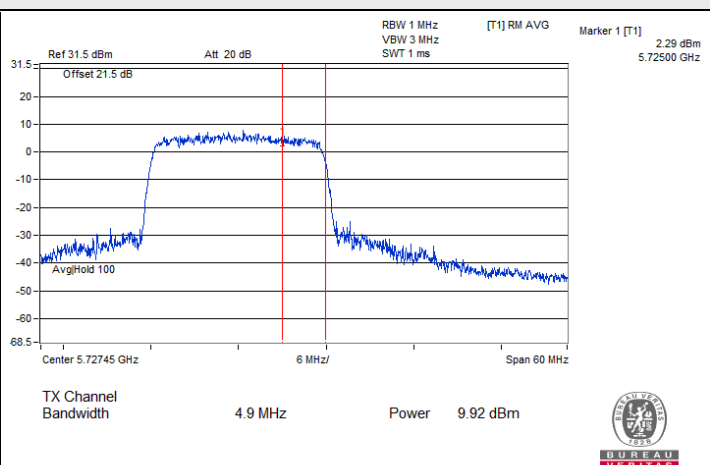


802.11be (EHT20) CDD / Chain 2 : CH 144 (U-NII-3)

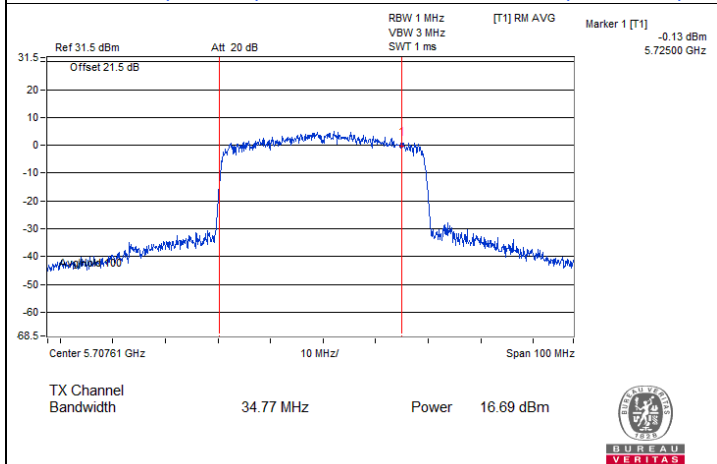
Spectrum Plot for channel straddling



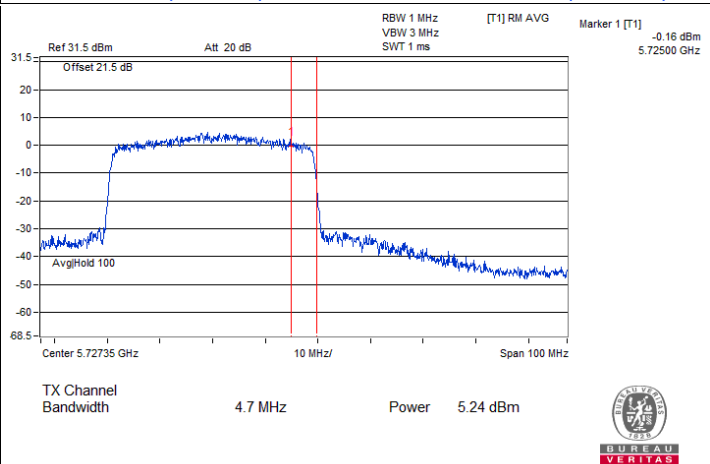
802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-2C)



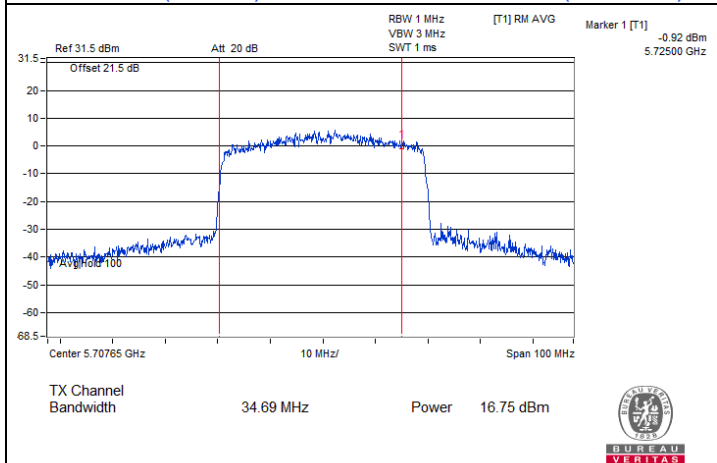
802.11be (EHT20) CDD / Chain 3 : CH 144 (U-NII-3)



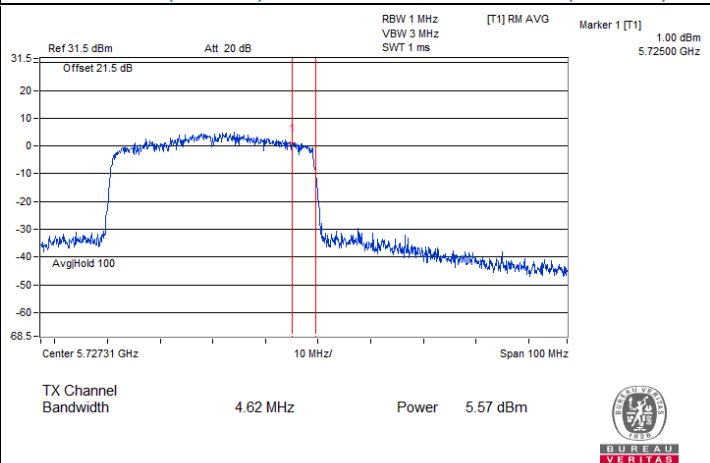
802.11be (EHT40) CDD / Chain 0 : CH 142 (U-NII-2C)



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

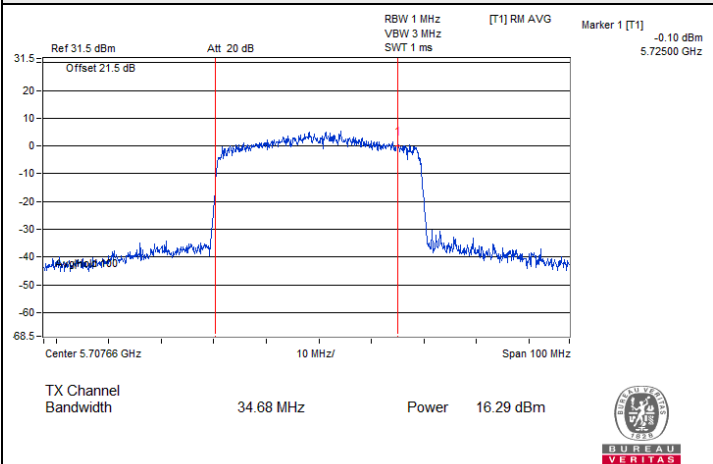


802.11be (EHT40) CDD / Chain 1 : CH 142 (U-NII-2C)

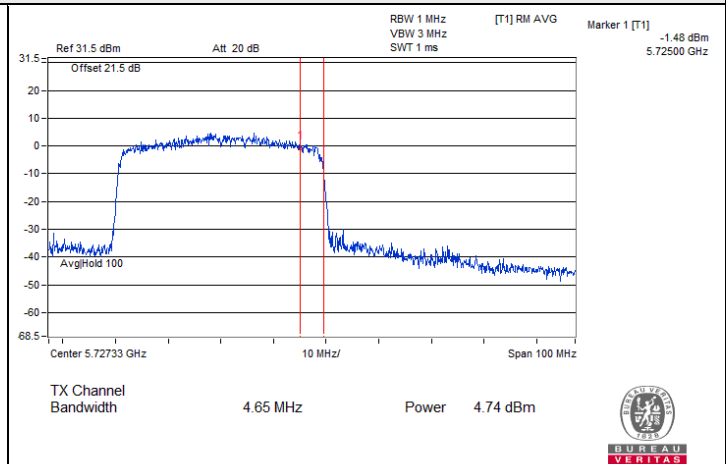


802.11be (EHT40) CDD / Chain 1 : CH 142 (U-NII-3)

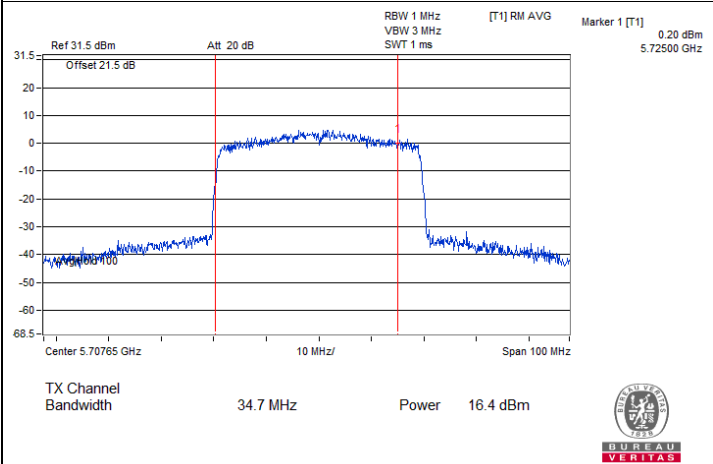
Spectrum Plot for channel straddling



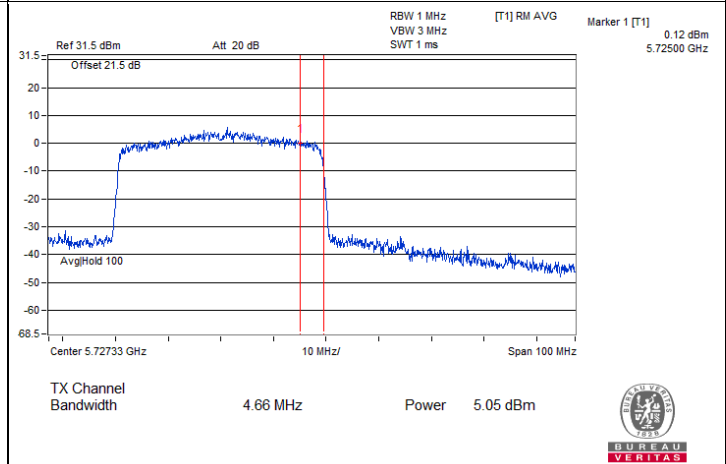
802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-2C)



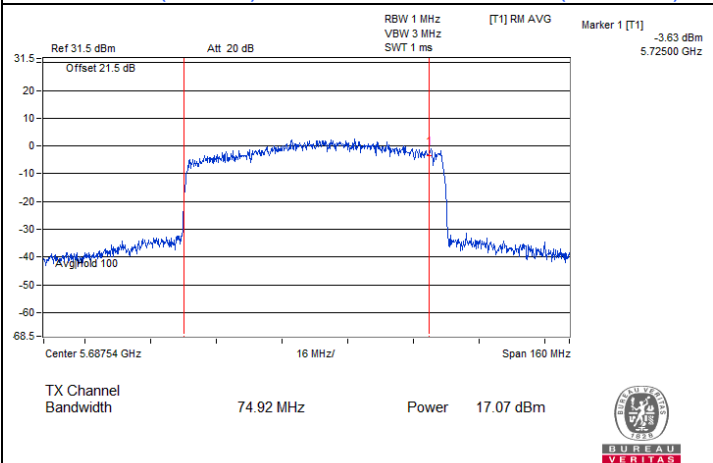
802.11be (EHT40) CDD / Chain 2 : CH 142 (U-NII-3)



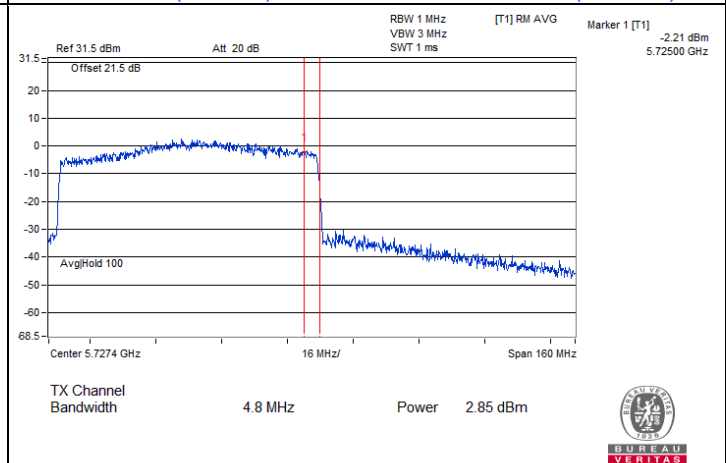
802.11be (EHT40) CDD / Chain 3 : CH 142 (U-NII-2C)



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

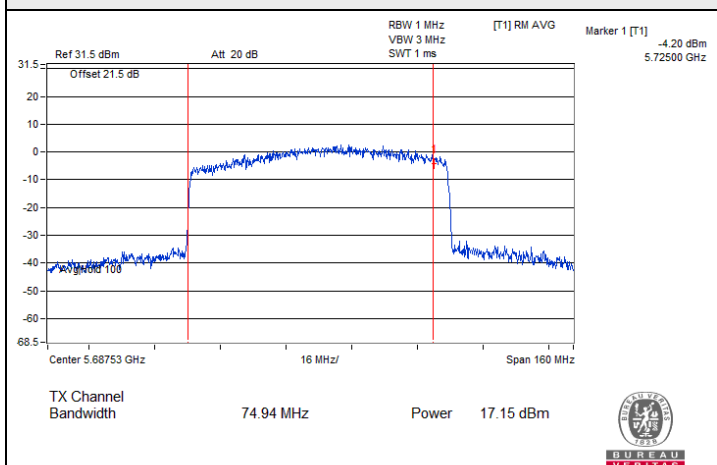


802.11be (EHT80) CDD / Chain 0 : CH 138 (U-NII-2C)

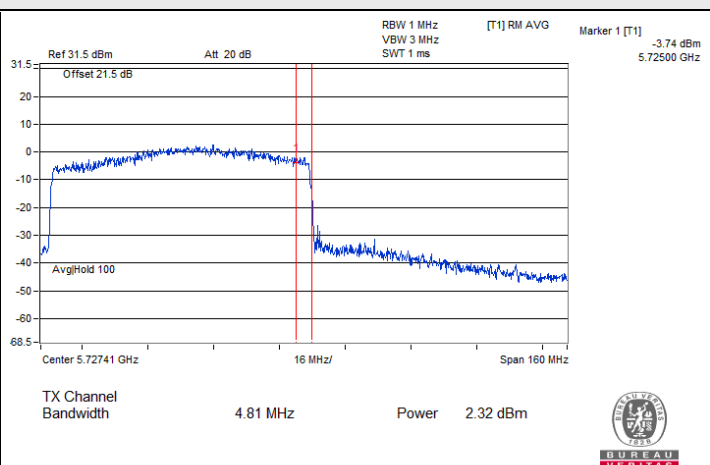


802.11be (EHT80) CDD / Chain 0 : CH 138 (U-NII-3)

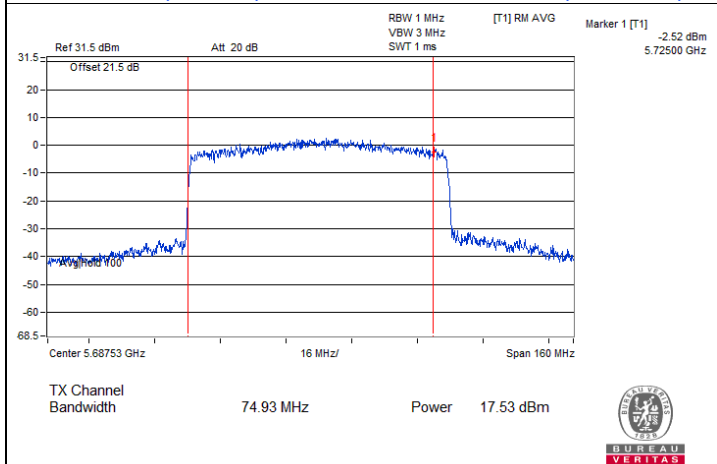
Spectrum Plot for channel straddling



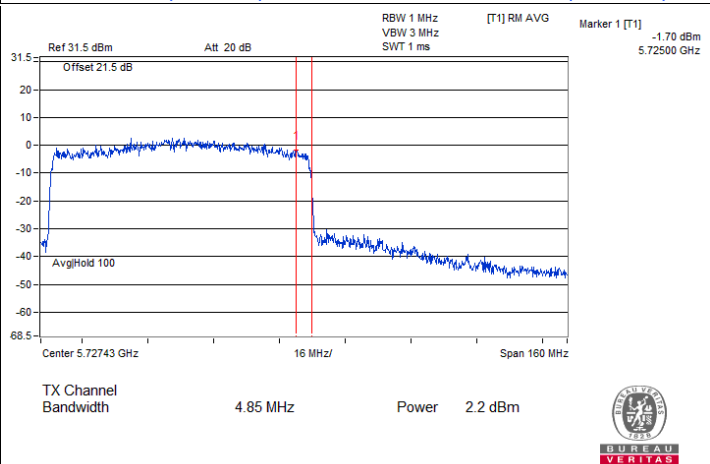
802.11be (EHT80) CDD / Chain 1 : CH 138 (U-NII-2C)



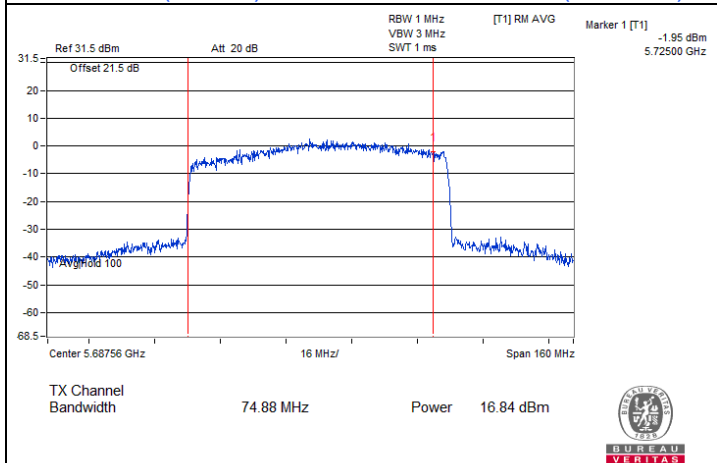
802.11be (EHT80) CDD / Chain 1 : CH 138 (U-NII-3)



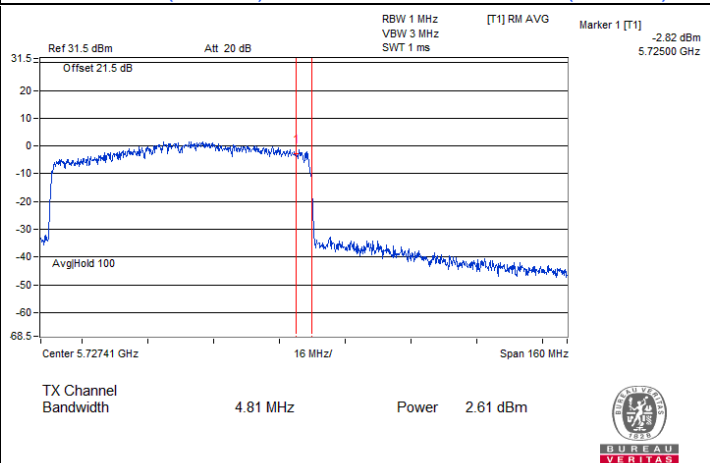
802.11be (EHT80) CDD / Chain 2 : CH 138 (U-NII-2C)



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

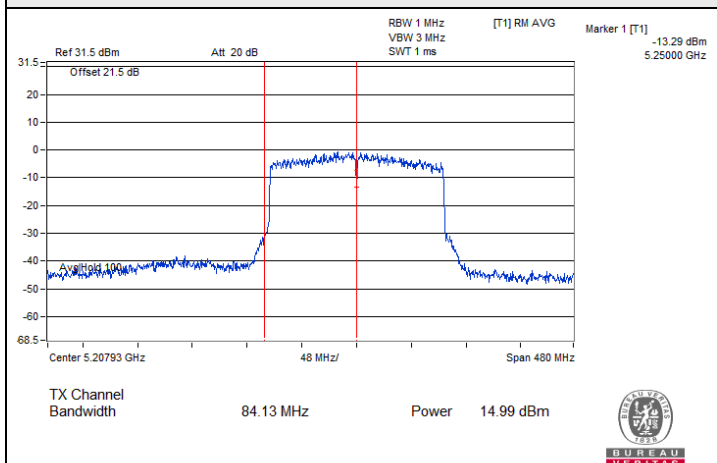


802.11be (EHT80) CDD / Chain 3 : CH 138 (U-NII-2C)

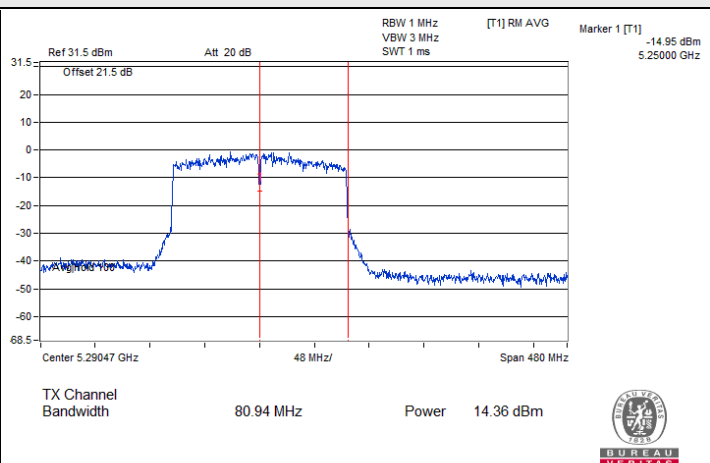


802.11be (EHT80) CDD / Chain 3 : CH 138 (U-NII-3)

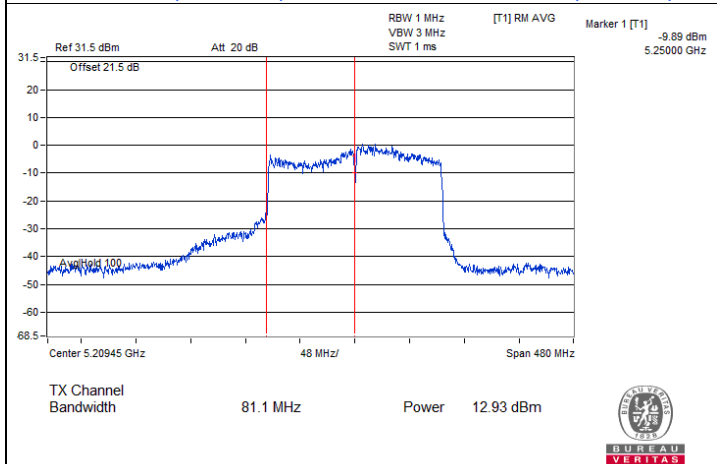
Spectrum Plot for channel straddling



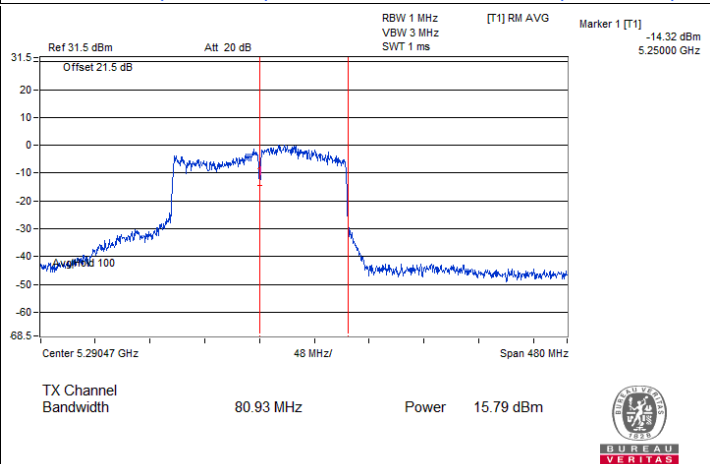
802.11be (EHT160) CDD / Chain 0 : CH 50 (U-NII-1)



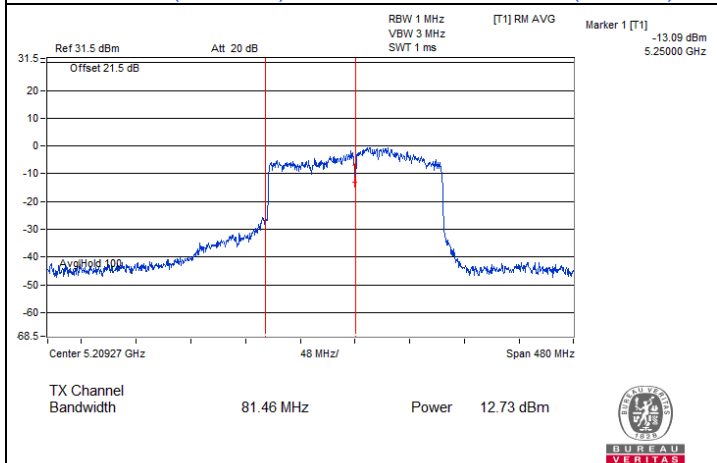
802.11be (EHT160) CDD / Chain 0 : CH 50 (U-NII-2A)



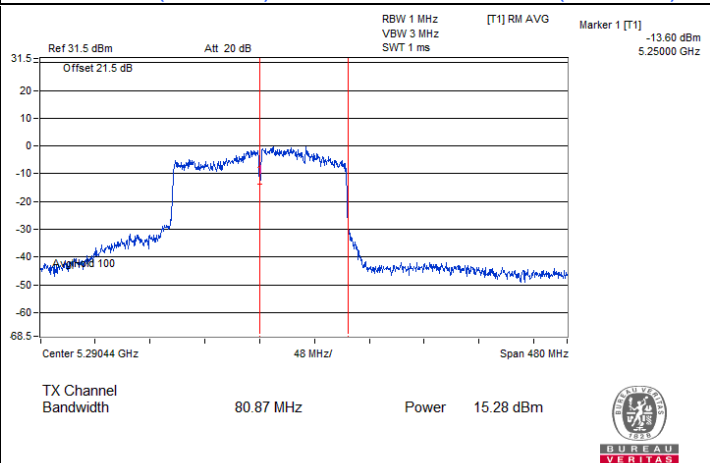
802.11be (EHT160) CDD / Chain 1 : CH 50 (U-NII-1)



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

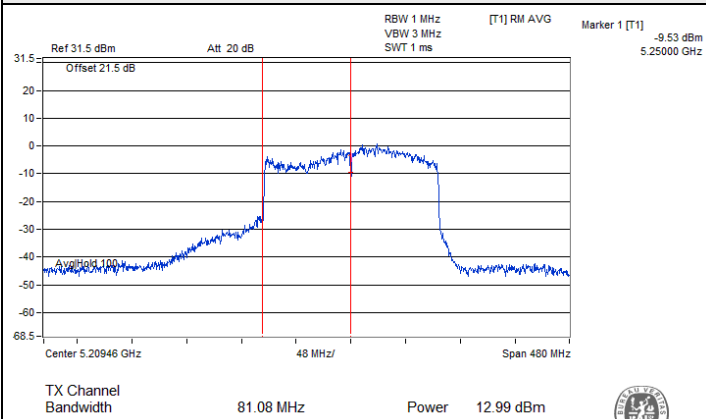


802.11be (EHT160) CDD / Chain 2 : CH 50 (U-NII-1)

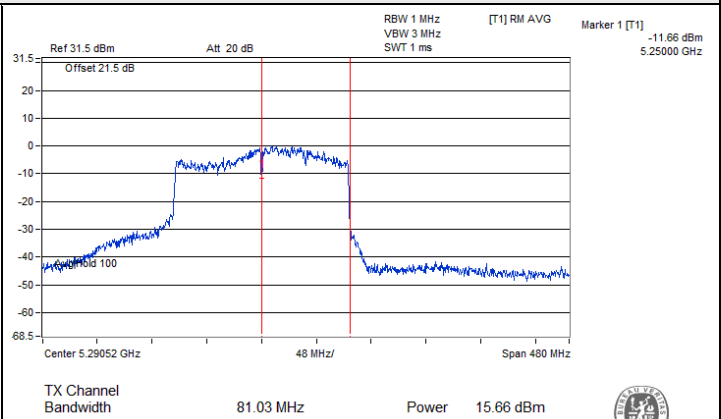


802.11be (EHT160) CDD / Chain 2 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



802.11be (EHT160) CDD / Chain 3 : CH 50 (U-NII-1)



802.11be (EHT160) CDD / Chain 3 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

802.11a CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
52	5260	4.87	5.76	4.51	4.53	10.97	11	Pass
60	5300	4.91	5.33	4.72	4.11	10.81	11	Pass
64	5320	4.34	5.52	4.54	4.79	10.84	11	Pass
100	5500	4.70	4.93	4.99	4.61	10.83	10.89	Pass
116	5580	4.50	5.44	4.71	4.11	10.74	10.89	Pass
140	5700	4.66	4.91	4.30	4.17	10.54	10.89	Pass
144 (U-NII-2C)	5720	4.71	4.90	4.64	4.47	10.70	10.89	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.11-6) = 10.89 dBm/MHz.

802.11be (EHT20) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
52	5260	4.60	5.38	5.12	4.56	10.95	11	Pass
60	5300	4.61	5.12	4.50	3.91	10.58	11	Pass
64	5320	4.74	5.06	4.59	4.17	10.67	11	Pass
100	5500	4.56	4.95	4.69	4.68	10.74	10.89	Pass
116	5580	4.70	5.44	4.65	4.27	10.81	10.89	Pass
140	5700	4.48	4.71	4.07	4.64	10.50	10.89	Pass
144 (U-NII-2C)	5720	4.94	5.21	4.75	4.37	10.85	10.89	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.11-6) = 10.89 dBm/MHz.

802.11be (EHT40) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
54	5270	3.83	4.11	3.40	3.12	9.65	11	Pass
62	5310	3.89	3.73	2.99	3.20	9.49	11	Pass
102	5510	3.03	3.34	3.46	2.86	9.20	10.89	Pass
110	5550	3.09	3.11	4.01	3.39	9.44	10.89	Pass
134	5670	2.83	3.43	3.70	3.31	9.35	10.89	Pass
142 (U-NII-2C)	5710	2.99	2.54	2.95	2.87	8.86	10.89	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.11 - 6) = 10.89$ dBm/MHz.

802.11be (EHT80) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
58	5290	0.32	0.51	-0.05	-0.10	6.20	11	Pass
106	5530	0.33	0.53	0.89	0.28	6.53	10.89	Pass
122	5610	1.01	1.23	0.79	0.19	6.84	10.89	Pass
138 (U-NII-2C)	5690	0.10	0.81	0.82	0.87	6.68	10.89	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-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (6.11 - 6) = 10.89$ dBm/MHz.

802.11be (EHT160) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
50 (U-NII-1)	5250	-2.79	-2.11	-2.29	-2.79	3.54	17	Pass
50 (U-NII-2A)	5250	-3.21	-1.85	-1.65	-1.99	3.89	11	Pass
114	5570	-3.03	-3.14	-2.58	-3.12	3.06	10.89	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 5.78 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.68 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 6.11 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.11-6) = 10.89$ 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	Chain 3				
144 (U-NII-3)	5720	-1.38	-1.02	-1.76	-1.67	4.57	6.79	29.48	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.52-6) = 29.48$ dBm/500kHz.

802.11be (EHT20) CDD

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	Chain 3				
144 (U-NII-3)	5720	-1.16	-1.39	-1.81	-1.66	4.52	6.74	29.48	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-3, the directional gain is 6.52 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.52-6) = 29.48$ dBm/500kHz.

802.11be (EHT40) CDD

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	Chain 3				
142 (U-NII-3)	5710	-6.07	-6.31	-5.79	-6.29	-0.09	2.13	29.48	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 6.52 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.52 - 6) = 29.48$ dBm/500kHz.

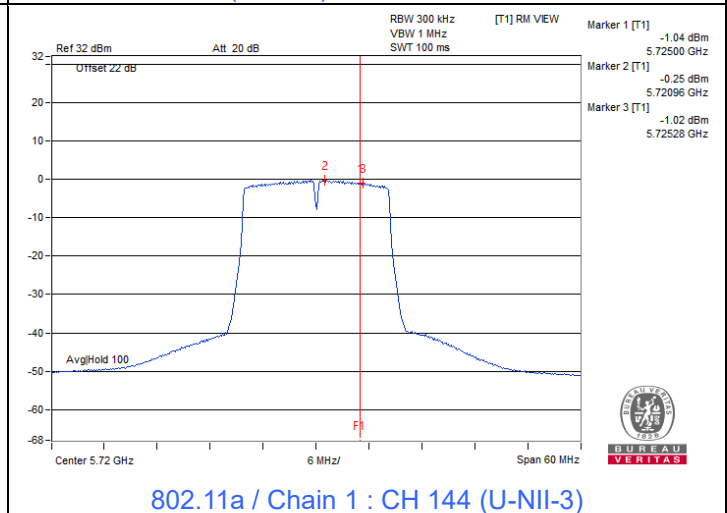
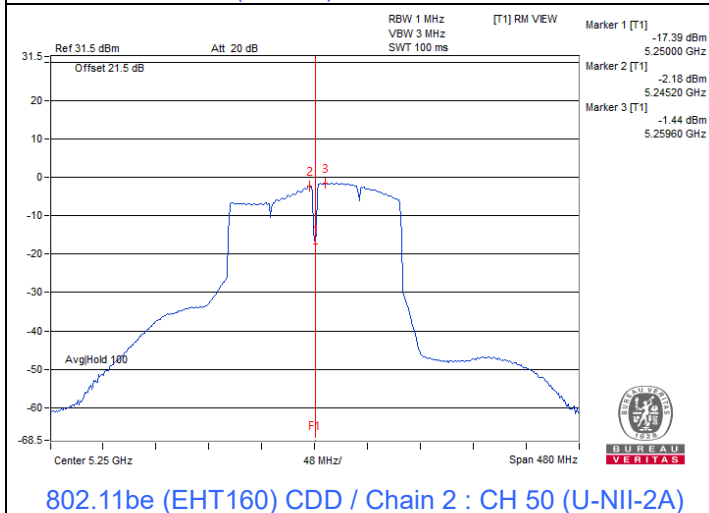
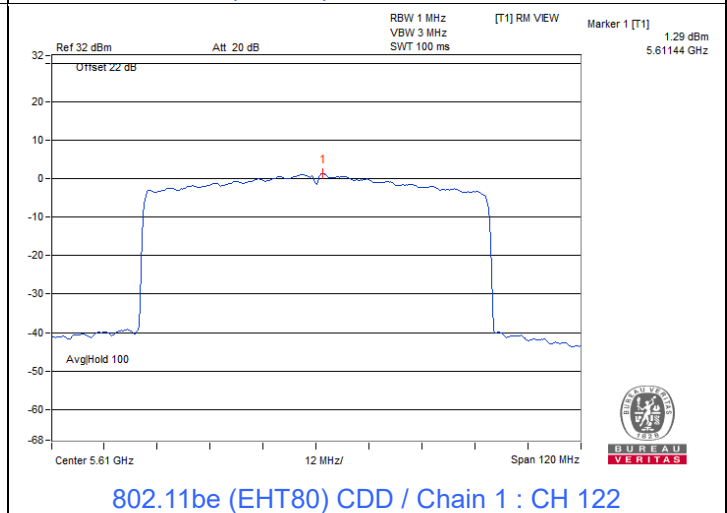
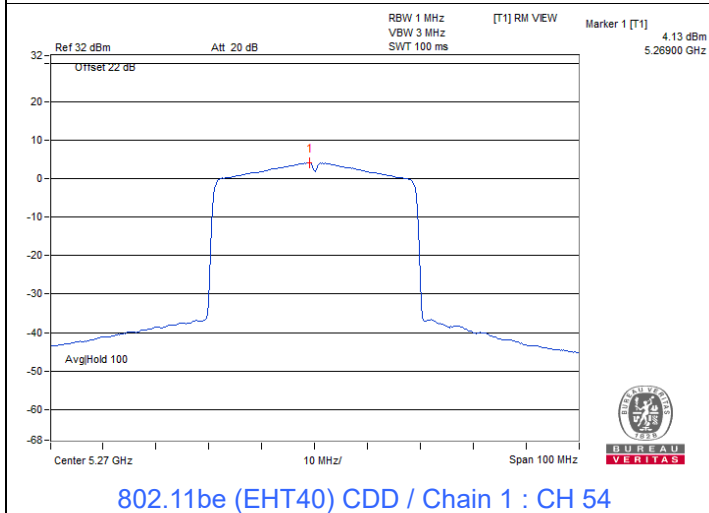
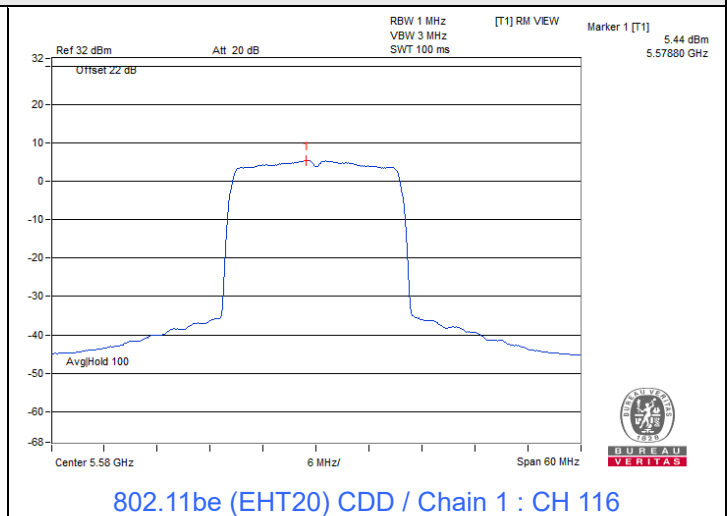
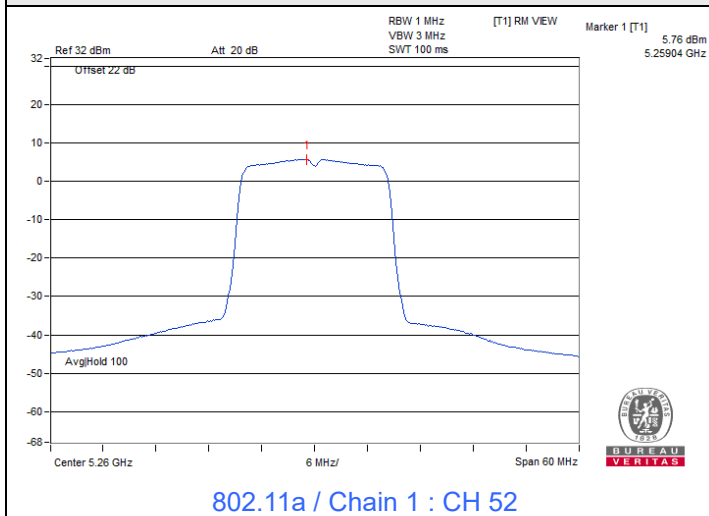
802.11be (EHT80) CDD

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	Chain 3				
138 (U-NII-3)	5690	-5.18	-4.59	-4.91	-4.58	1.21	3.43	29.48	Pass

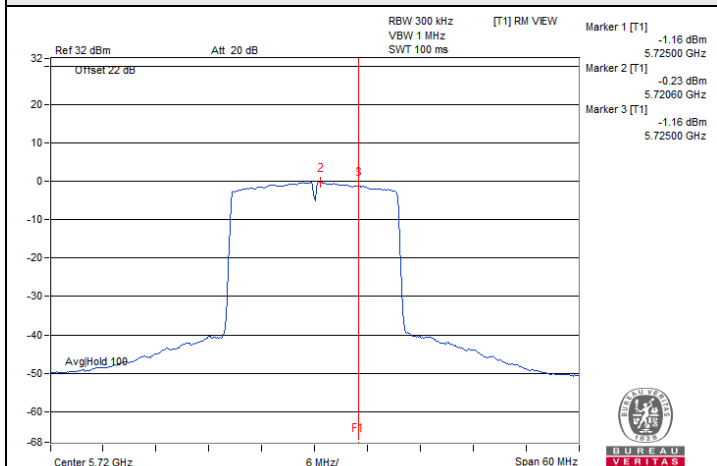
Notes:

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 6.52 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.52 - 6) = 29.48$ dBm/500kHz.

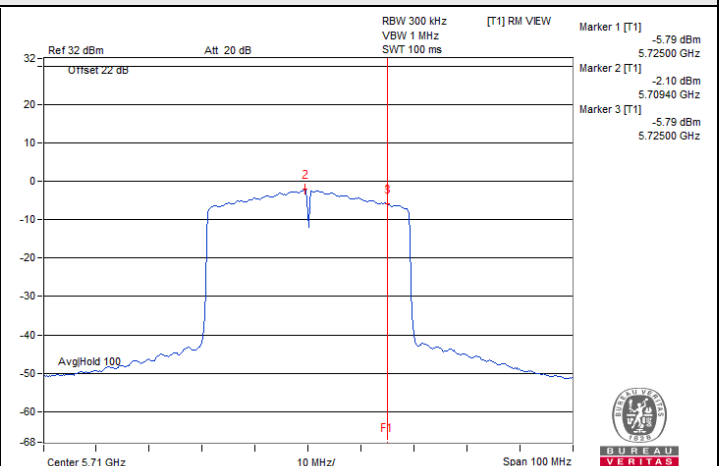
Spectrum Plot of Maximum Value



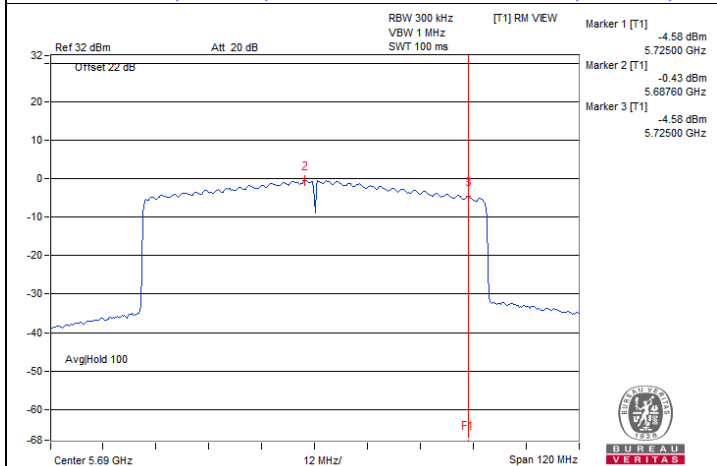
Spectrum Plot of Maximum Value



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



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



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

7.4 6 dB Bandwidth

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

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	3.13	3.12	3.14	3.12	0.5	Pass

802.11be (EHT20) CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	4.36	4.11	4.33	4.01	0.5	Pass

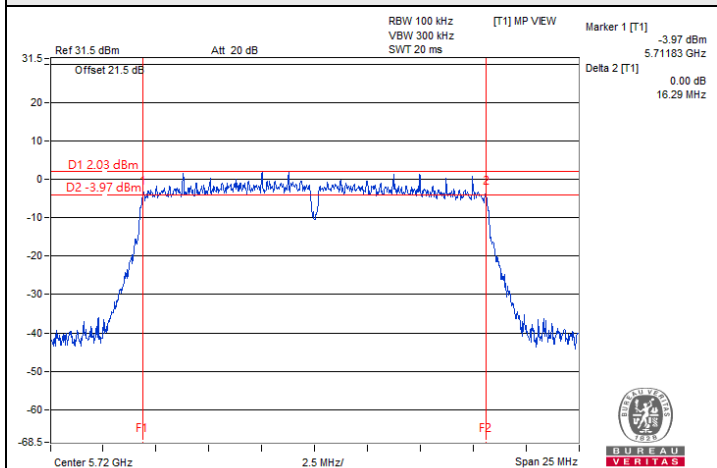
802.11be (EHT40) CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
142 (U-NII-3)	5710	2.42	2.51	2.56	3.55	0.5	Pass

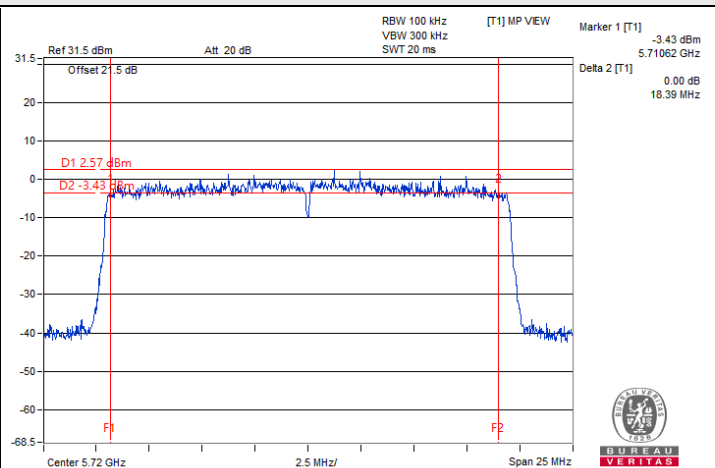
802.11be (EHT80) CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	2.54	1.31	2.51	1.91	0.5	Pass

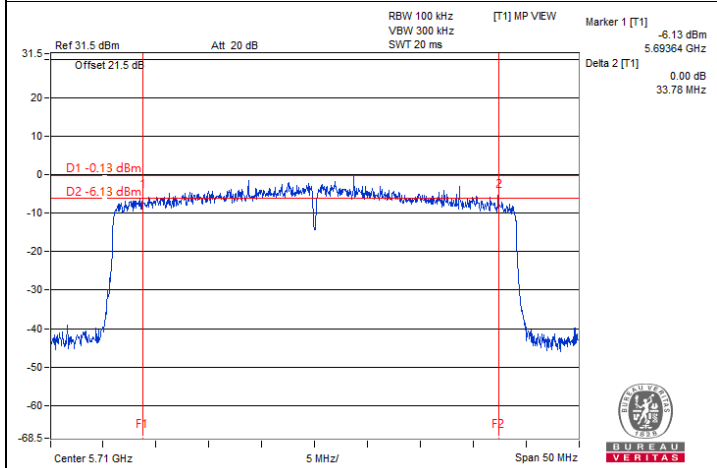
Spectrum Plot of Minimum Value



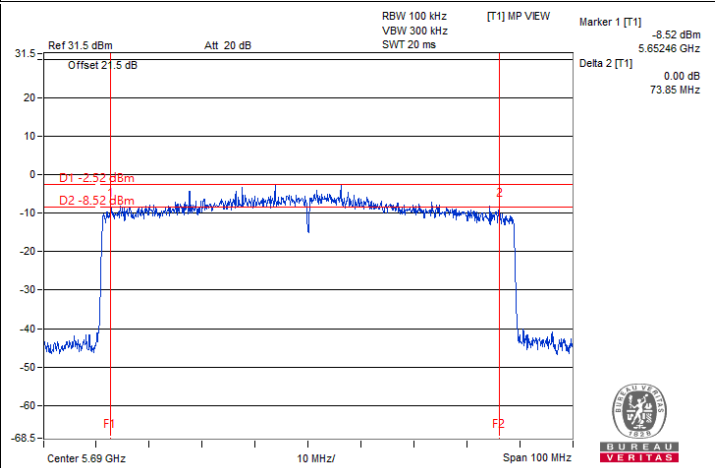
802.11a CDD / Chain 1 : CH 144 (U-NII-3)



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



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



802.11be (EHT80) CDD / 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:	Chun Wu
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802.11a CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	16.44	16.38	16.38	16.44
60	5300	16.44	16.44	16.44	16.44
64	5320	16.44	16.50	16.38	16.44
100	5500	16.44	16.44	16.44	16.44
116	5580	16.38	16.32	16.38	16.38
140	5700	16.50	16.44	16.44	16.38
144 (U-NII-2C)	5720	13.22	13.22	13.28	13.22
144 (U-NII-3)	5720	3.16	3.16	3.16	3.16

802.11be (EHT20) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	18.84	18.90	18.84	18.84
60	5300	18.90	18.90	18.90	18.90
64	5320	18.90	18.90	18.90	18.90
100	5500	18.90	18.90	18.84	18.90
116	5580	18.84	18.84	18.90	18.90
140	5700	18.90	18.90	18.84	18.84
144 (U-NII-2C)	5720	14.48	14.48	14.48	14.48
144 (U-NII-3)	5720	4.42	4.42	4.42	4.42

802.11be (EHT40) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	37.68	37.56	37.56	37.68
62	5310	37.68	37.44	37.68	37.80
102	5510	37.68	37.80	37.80	37.56
110	5550	37.68	37.56	37.56	37.68
134	5670	37.80	37.68	37.44	37.80
142 (U-NII-2C)	5710	33.84	33.72	33.72	33.72
142 (U-NII-3)	5710	3.72	3.84	3.72	3.72

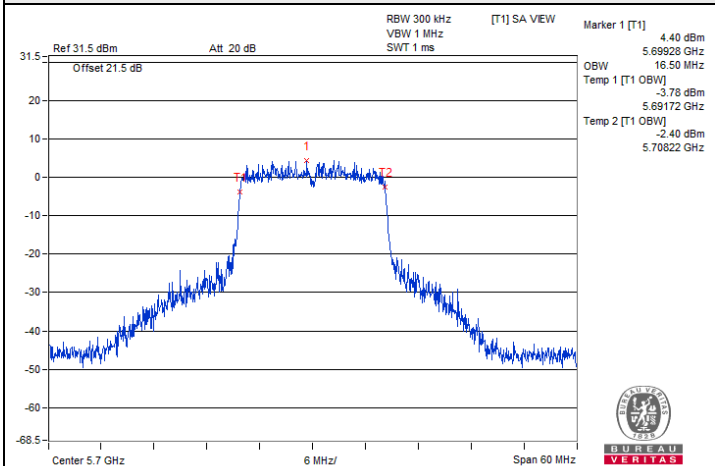
802.11be (EHT80) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	76.80	76.56	77.04	76.80
106	5530	76.56	76.56	76.80	76.80
122	5610	76.56	76.80	76.80	77.04
138 (U-NII-2C)	5690	73.40	73.40	73.40	73.16
138 (U-NII-3)	5690	3.40	3.64	3.40	3.40

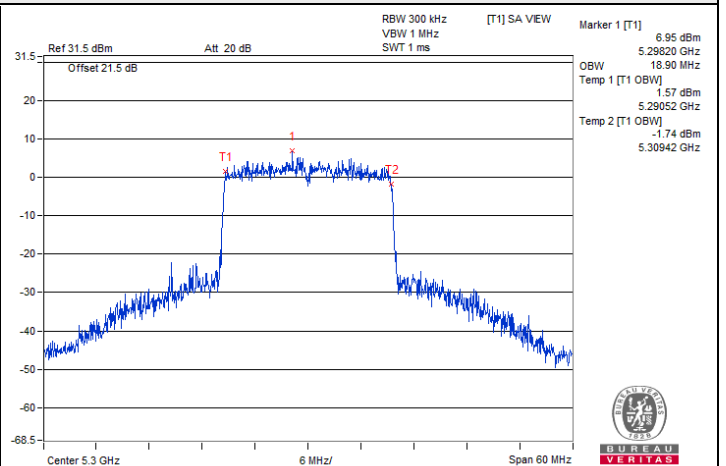
802.11be (EHT160) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	78.24	78.24	78.24	78.24
50 (U-NII-2A)	5250	78.24	77.76	77.76	77.76
114	5570	156.48	156.00	155.52	156.00

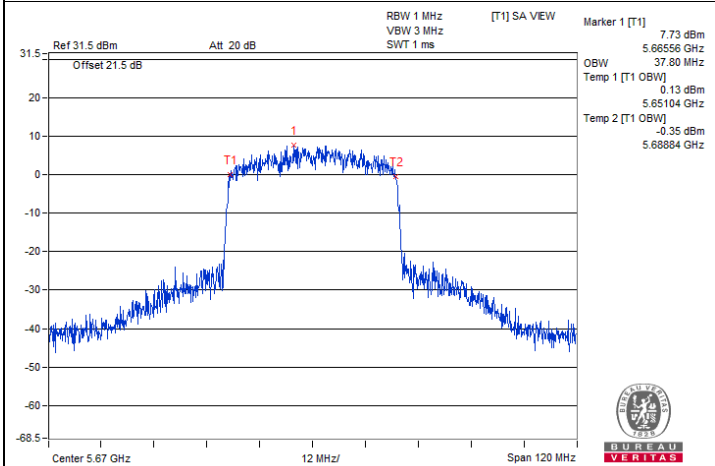
Spectrum Plot of Maximum Value



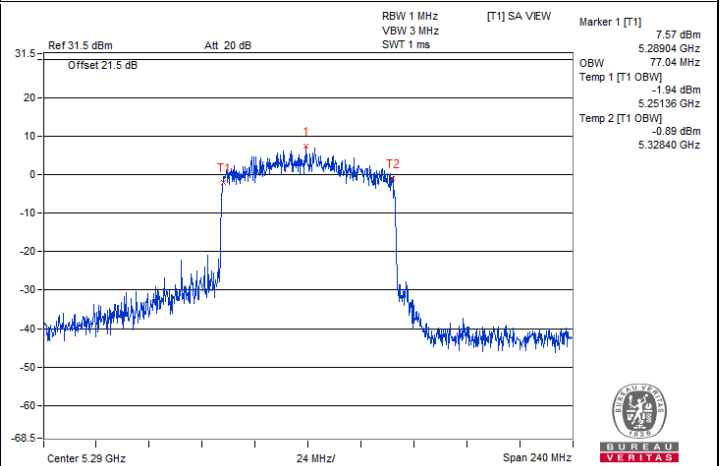
802.11a CDD / Chain 0 : CH 140



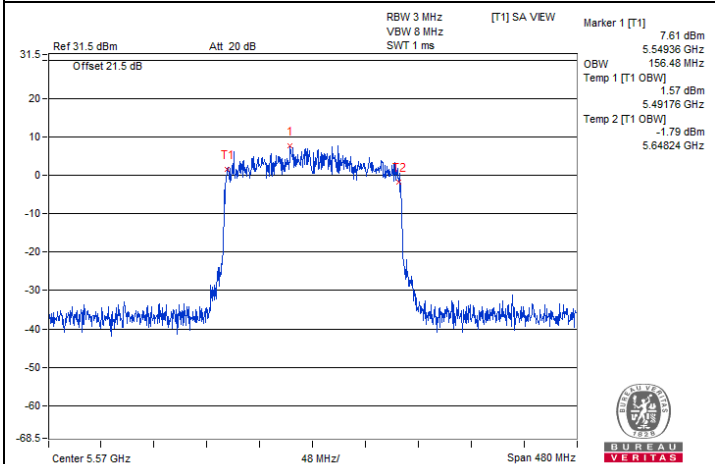
802.11be (EHT20) CDD / Chain 0 : CH 60



802.11be (EHT40) CDD / Chain 0 : CH 134



802.11be (EHT80) CDD / Chain 2 : CH 58



802.11be (EHT160) CDD / Chain 0 : CH 114

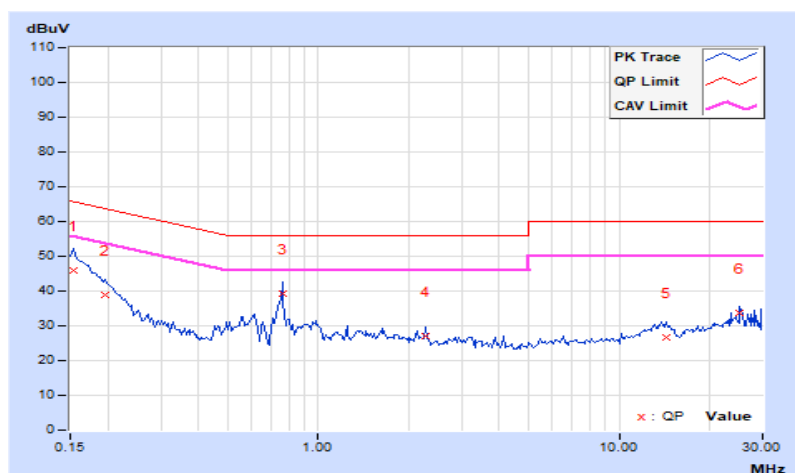
7.6 AC Power Conducted Emissions

RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 76 % RH
Tested By	Andy Ho		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.00	35.91	20.42	45.91	30.42	65.79	55.79	-19.88	-25.37
2	0.19687	10.03	28.90	15.23	38.93	25.26	63.74	53.74	-24.81	-28.48
3	0.76178	10.07	29.03	27.82	39.10	37.89	56.00	46.00	-16.90	-8.11
4	2.28516	10.18	16.82	13.10	27.00	23.28	56.00	46.00	-29.00	-22.72
5	14.32031	10.89	15.69	10.92	26.58	21.81	60.00	50.00	-33.42	-28.19
6	25.14453	11.20	22.43	19.92	33.63	31.12	60.00	50.00	-26.37	-18.88

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

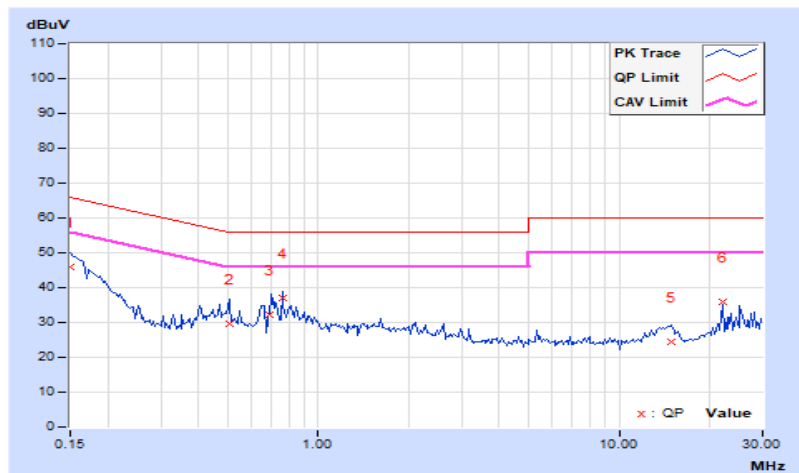


RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 76 % RH
Tested By	Andy Ho		

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	0.15000	10.02	36.00	20.97	46.02	30.99	66.00	56.00	-19.98	-25.01
2	0.50547	10.03	19.53	12.98	29.56	23.01	56.00	46.00	-26.44	-22.99
3	0.69028	10.05	22.16	20.76	32.21	30.81	56.00	46.00	-23.79	-15.19
4	0.76328	10.06	27.08	26.94	37.14	37.00	56.00	46.00	-18.86	-9.00
5	14.93750	10.82	13.50	8.94	24.32	19.76	60.00	50.00	-35.68	-30.24
6	22.09766	11.01	24.91	23.95	35.92	34.96	60.00	50.00	-24.08	-15.04

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



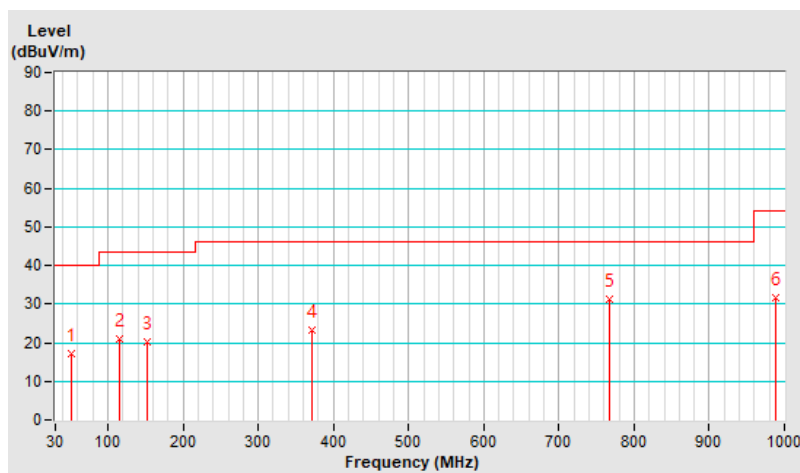
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 70 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.46	17.2 QP	40.0	-22.8	3.95 H	295	29.7	-12.5
2	115.75	20.9 QP	43.5	-22.6	1.94 H	252	35.8	-14.9
3	151.63	20.1 QP	43.5	-23.4	1.00 H	275	32.4	-12.3
4	371.02	23.4 QP	46.0	-22.6	1.04 H	259	33.4	-10.0
5	768.15	31.3 QP	46.0	-14.7	3.84 H	0	32.8	-1.5
6	989.10	31.6 QP	54.0	-22.4	2.11 H	83	30.5	1.1

Remarks:

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

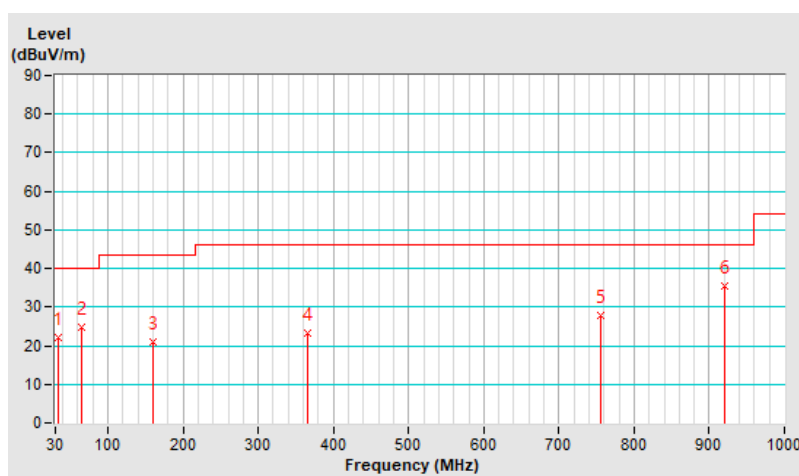


RF Mode	802.11be (EHT80)	Channel	CH 122 : 5610 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 70 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.68	22.2 QP	40.0	-17.8	1.56 V	360	35.5	-13.3
2	65.84	24.7 QP	40.0	-15.3	2.24 V	199	38.8	-14.1
3	160.79	21.1 QP	43.5	-22.4	1.00 V	0	33.4	-12.3
4	366.42	23.3 QP	46.0	-22.7	1.00 V	342	33.4	-10.1
5	755.89	27.8 QP	46.0	-18.2	1.66 V	355	29.6	-1.8
6	921.40	35.5 QP	46.0	-10.5	2.01 V	186	34.8	0.7

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.8 PK	74.0	-22.2	1.49 H	227	49.1	2.7
2	5150.00	41.1 AV	54.0	-12.9	1.49 H	227	38.4	2.7
3	*5260.00	116.9 PK			1.49 H	227	114.6	2.3
4	*5260.00	108.4 AV			1.49 H	227	106.1	2.3
5	#10520.00	44.7 PK	68.2	-23.5	1.42 H	307	32.4	12.3
6	15780.00	44.2 PK	74.0	-29.8	1.42 H	202	32.2	12.0
7	15780.00	32.4 AV	54.0	-21.6	1.42 H	202	20.4	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.3 PK	74.0	-19.7	2.42 V	102	51.6	2.7
2	5150.00	44.2 AV	54.0	-9.8	2.42 V	102	41.5	2.7
3	*5260.00	116.8 PK			2.42 V	102	114.5	2.3
4	*5260.00	108.5 AV			2.42 V	102	106.2	2.3
5	#10520.00	48.2 PK	68.2	-20.0	4.00 V	67	35.9	12.3
6	15780.00	44.8 PK	74.0	-29.2	1.45 V	324	32.8	12.0
7	15780.00	32.7 AV	54.0	-21.3	1.45 V	324	20.7	12.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.5 PK			1.52 H	229	114.2	2.3
2	*5300.00	107.6 AV			1.52 H	229	105.3	2.3
3	10600.00	47.6 PK	74.0	-26.4	1.41 H	292	35.2	12.4
4	10600.00	34.8 AV	54.0	-19.2	1.41 H	292	22.4	12.4
5	15900.00	44.5 PK	74.0	-29.5	1.38 H	193	32.3	12.2
6	15900.00	32.3 AV	54.0	-21.7	1.38 H	193	20.1	12.2
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	116.7 PK			1.49 V	323	114.4	2.3
2	*5300.00	107.8 AV			1.49 V	323	105.5	2.3
3	10600.00	47.9 PK	74.0	-26.1	4.00 V	63	35.5	12.4
4	10600.00	35.0 AV	54.0	-19.0	4.00 V	63	22.6	12.4
5	15900.00	44.7 PK	74.0	-29.3	1.41 V	331	32.5	12.2
6	15900.00	32.5 AV	54.0	-21.5	1.41 V	331	20.3	12.2

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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.8 PK			1.77 H	234	113.5	2.3
2	*5320.00	108.1 AV			1.77 H	234	105.8	2.3
3	5350.00	68.7 PK	74.0	-5.3	1.77 H	234	66.4	2.3
4	5350.00	49.8 AV	54.0	-4.2	1.77 H	234	47.5	2.3
5	10640.00	47.9 PK	74.0	-26.1	1.40 H	293	35.6	12.3
6	10640.00	34.9 AV	54.0	-19.1	1.40 H	293	22.6	12.3
7	15960.00	44.2 PK	74.0	-29.8	1.35 H	197	32.5	11.7
8	15960.00	32.4 AV	54.0	-21.6	1.35 H	197	20.7	11.7
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	*5320.00	116.9 PK			2.41 V	102	114.6	2.3
2	*5320.00	105.5 AV			2.41 V	102	103.2	2.3
3	5350.00	70.8 PK	74.0	-3.2	2.41 V	102	68.5	2.3
4	5350.00	53.7 AV	54.0	-0.3	2.41 V	102	51.4	2.3
5	10640.00	48.2 PK	74.0	-25.8	4.00 V	68	35.9	12.3
6	10640.00	35.2 AV	54.0	-18.8	4.00 V	68	22.9	12.3
7	15960.00	44.4 PK	74.0	-29.6	1.45 V	315	32.7	11.7
8	15960.00	32.6 AV	54.0	-21.4	1.45 V	315	20.9	11.7

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.8 PK	74.0	-14.2	1.65 H	228	57.4	2.4
2	5460.00	45.7 AV	54.0	-8.3	1.65 H	228	43.3	2.4
3	#5470.00	65.9 PK	68.2	-2.3	1.65 H	228	63.5	2.4
4	*5500.00	115.5 PK			1.65 H	228	113.0	2.5
5	*5500.00	106.0 AV			1.65 H	228	103.5	2.5
6	11000.00	47.5 PK	74.0	-26.5	1.39 H	280	34.6	12.9
7	11000.00	36.2 AV	54.0	-17.8	1.39 H	280	23.3	12.9
8	#16500.00	48.2 PK	68.2	-20.0	1.39 H	205	33.7	14.5
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	60.8 PK	74.0	-13.2	2.44 V	106	58.4	2.4
2	5460.00	44.0 AV	54.0	-10.0	2.44 V	106	41.6	2.4
3	#5470.00	68.0 PK	68.2	-0.2	1.00 V	0	65.6	2.4
4	*5500.00	117.0 PK			2.44 V	106	114.5	2.5
5	*5500.00	106.4 AV			2.44 V	106	103.9	2.5
6	11000.00	47.7 PK	74.0	-26.3	1.57 V	294	34.8	12.9
7	11000.00	37.0 AV	54.0	-17.0	1.57 V	294	24.1	12.9
8	#16500.00	48.5 PK	68.2	-19.7	4.00 V	236	34.0	14.5

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	116.4 PK			1.66 H	216	114.0	2.4
2	*5580.00	110.7 AV			1.66 H	216	108.3	2.4
3	11160.00	47.4 PK	74.0	-26.6	1.39 H	274	34.4	13.0
4	11160.00	35.9 AV	54.0	-18.1	1.39 H	274	22.9	13.0
5	#16740.00	48.2 PK	68.2	-20.0	1.40 H	213	32.6	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.8 PK			2.29 V	328	115.4	2.4
2	*5580.00	111.0 AV			2.29 V	328	108.6	2.4
3	11160.00	47.5 PK	74.0	-26.5	1.51 V	284	34.5	13.0
4	11160.00	36.7 AV	54.0	-17.3	1.51 V	284	23.7	13.0
5	#16740.00	48.6 PK	68.2	-19.6	4.00 V	249	33.0	15.6

Remarks:

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

RF Mode	802.11a	Channel	CH 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.2 PK			1.50 H	79	111.7	2.5
2	*5700.00	104.6 AV			1.50 H	79	102.1	2.5
3	#5725.00	66.2 PK	68.2	-2.0	1.50 H	79	63.6	2.6
4	11400.00	47.5 PK	74.0	-26.5	1.33 H	264	34.5	13.0
5	11400.00	36.7 AV	54.0	-17.3	1.33 H	264	23.7	13.0
6	#17100.00	47.9 PK	68.2	-20.3	1.43 H	200	30.8	17.1
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	*5700.00	116.7 PK			1.49 V	89	114.2	2.5
2	*5700.00	105.6 AV			1.49 V	89	103.1	2.5
3	#5725.00	66.7 PK	68.2	-1.5	1.49 V	89	64.1	2.6
4	11400.00	47.9 PK	74.0	-26.1	1.52 V	298	34.9	13.0
5	11400.00	37.1 AV	54.0	-16.9	1.52 V	298	24.1	13.0
6	#17100.00	48.5 PK	68.2	-19.7	3.98 V	237	31.4	17.1

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.4 PK	74.0	-19.6	1.61 H	326	52.0	2.4
2	5460.00	43.3 AV	54.0	-10.7	1.61 H	326	40.9	2.4
3	#5470.00	55.2 PK	68.2	-13.0	1.61 H	326	52.8	2.4
4	*5720.00	116.1 PK			1.61 H	326	113.5	2.6
5	*5720.00	106.5 AV			1.61 H	326	103.9	2.6
6	#5850.00	49.9 PK	68.2	-18.3	1.61 H	326	46.9	3.0
7	11440.00	47.6 PK	74.0	-26.4	1.29 H	266	34.6	13.0
8	11440.00	36.8 AV	54.0	-17.2	1.29 H	266	23.8	13.0
9	#17160.00	47.4 PK	68.2	-20.8	1.46 H	194	30.3	17.1

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	5460.00	57.8 PK	74.0	-16.2	1.51 V	270	55.4	2.4
2	5460.00	44.6 AV	54.0	-9.4	1.51 V	270	42.2	2.4
3	#5470.00	56.5 PK	68.2	-11.7	1.51 V	270	54.1	2.4
4	*5720.00	117.4 PK			1.51 V	270	114.8	2.6
5	*5720.00	106.8 AV			1.51 V	270	104.2	2.6
6	#5850.00	52.1 PK	68.2	-16.1	1.51 V	270	49.1	3.0
7	11440.00	48.1 PK	74.0	-25.9	1.48 V	290	35.1	13.0
8	11440.00	37.2 AV	54.0	-16.8	1.48 V	290	24.2	13.0
9	#17160.00	47.9 PK	68.2	-20.3	4.00 V	240	30.8	17.1

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.9 PK	74.0	-20.1	1.79 H	259	51.2	2.7
2	5150.00	42.7 AV	54.0	-11.3	1.79 H	259	40.0	2.7
3	*5260.00	115.3 PK			1.79 H	259	113.0	2.3
4	*5260.00	107.3 AV			1.79 H	259	105.0	2.3
5	#10520.00	47.6 PK	68.2	-20.6	1.44 H	242	35.3	12.3
6	15780.00	44.9 PK	74.0	-29.1	1.29 H	200	32.9	12.0
7	15780.00	32.5 AV	54.0	-21.5	1.29 H	200	20.5	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.1 PK	74.0	-19.9	3.34 V	68	51.4	2.7
2	5150.00	44.6 AV	54.0	-9.4	3.34 V	68	41.9	2.7
3	*5260.00	117.3 PK			3.34 V	68	115.0	2.3
4	*5260.00	109.3 AV			3.34 V	68	107.0	2.3
5	#10520.00	48.3 PK	68.2	-19.9	3.96 V	72	36.0	12.3
6	15780.00	45.0 PK	74.0	-29.0	1.41 V	321	33.0	12.0
7	15780.00	32.7 AV	54.0	-21.3	1.41 V	321	20.7	12.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	115.7 PK			1.77 H	270	113.4	2.3
2	*5300.00	107.5 AV			1.77 H	270	105.2	2.3
3	5350.00	54.2 PK	74.0	-19.8	1.77 H	270	51.9	2.3
4	5350.00	43.7 AV	54.0	-10.3	1.77 H	270	41.4	2.3
5	10600.00	47.7 PK	74.0	-26.3	1.44 H	240	35.3	12.4
6	10600.00	34.9 AV	54.0	-19.1	1.44 H	240	22.5	12.4
7	15900.00	44.5 PK	74.0	-29.5	1.31 H	206	32.3	12.2
8	15900.00	32.1 AV	54.0	-21.9	1.31 H	206	19.9	12.2
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	116.8 PK			1.51 V	328	114.5	2.3
2	*5300.00	108.2 AV			1.51 V	328	105.9	2.3
3	5350.00	71.6 PK	74.0	-2.4	1.51 V	328	69.3	2.3
4	5350.00	53.3 AV	54.0	-0.7	1.51 V	328	51.0	2.3
5	10600.00	48.0 PK	74.0	-26.0	3.95 V	53	35.6	12.4
6	10600.00	35.1 AV	54.0	-18.9	3.95 V	53	22.7	12.4
7	15900.00	44.7 PK	74.0	-29.3	1.45 V	327	32.5	12.2
8	15900.00	32.7 AV	54.0	-21.3	1.45 V	327	20.5	12.2

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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.1 PK			1.51 H	56	112.8	2.3
2	*5320.00	106.0 AV			1.51 H	56	103.7	2.3
3	5350.00	63.3 PK	74.0	-10.7	1.51 H	56	61.0	2.3
4	5350.00	51.0 AV	54.0	-3.0	1.51 H	56	48.7	2.3
5	10640.00	47.2 PK	74.0	-26.8	1.42 H	243	34.9	12.3
6	10640.00	34.5 AV	54.0	-19.5	1.42 H	243	22.2	12.3
7	15960.00	44.6 PK	74.0	-29.4	1.26 H	208	32.9	11.7
8	15960.00	32.3 AV	54.0	-21.7	1.26 H	208	20.6	11.7
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	*5320.00	116.5 PK			2.15 V	173	114.2	2.3
2	*5320.00	107.6 AV			2.15 V	173	105.3	2.3
3	5350.00	70.1 PK	74.0	-3.9	2.15 V	173	67.8	2.3
4	5350.00	53.9 AV	54.0	-0.1	2.15 V	173	51.6	2.3
5	10640.00	47.8 PK	74.0	-26.2	3.98 V	53	35.5	12.3
6	10640.00	34.8 AV	54.0	-19.2	3.98 V	53	22.5	12.3
7	15960.00	44.8 PK	74.0	-29.2	1.44 V	316	33.1	11.7
8	15960.00	32.4 AV	54.0	-21.6	1.44 V	316	20.7	11.7

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.4 PK	74.0	-10.6	1.48 H	81	61.0	2.4
2	5460.00	46.0 AV	54.0	-8.0	1.48 H	81	43.6	2.4
3	#5470.00	67.8 PK	68.2	-0.4	1.48 H	81	65.4	2.4
4	*5500.00	115.0 PK			1.48 H	81	112.5	2.5
5	*5500.00	105.2 AV			1.48 H	81	102.7	2.5
6	11000.00	47.5 PK	74.0	-26.5	1.44 H	256	34.6	12.9
7	11000.00	36.9 AV	54.0	-17.1	1.44 H	256	24.0	12.9
8	#16500.00	47.8 PK	68.2	-20.4	1.21 H	215	33.3	14.5
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	62.5 PK	74.0	-11.5	1.51 V	94	60.1	2.4
2	5460.00	46.3 AV	54.0	-7.7	1.51 V	94	43.9	2.4
3	#5470.00	66.6 PK	68.2	-1.6	1.51 V	94	64.2	2.4
4	*5500.00	116.6 PK			1.51 V	94	114.1	2.5
5	*5500.00	107.0 AV			1.51 V	94	104.5	2.5
6	11000.00	48.0 PK	74.0	-26.0	1.58 V	302	35.1	12.9
7	11000.00	37.3 AV	54.0	-16.7	1.58 V	302	24.4	12.9
8	#16500.00	49.2 PK	68.2	-19.0	4.00 V	247	34.7	14.5

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	116.5 PK			1.46 H	85	114.1	2.4
2	*5580.00	110.2 AV			1.46 H	85	107.8	2.4
3	11160.00	47.2 PK	74.0	-26.8	1.50 H	264	34.2	13.0
4	11160.00	36.5 AV	54.0	-17.5	1.50 H	264	23.5	13.0
5	#16740.00	47.4 PK	68.2	-20.8	1.24 H	207	31.8	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.3 PK			1.49 V	85	114.9	2.4
2	*5580.00	111.4 AV			1.49 V	85	109.0	2.4
3	11160.00	47.9 PK	74.0	-26.1	1.54 V	306	34.9	13.0
4	11160.00	37.3 AV	54.0	-16.7	1.54 V	306	24.3	13.0
5	#16740.00	48.5 PK	68.2	-19.7	4.00 V	223	32.9	15.6

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.9 PK			1.75 H	138	112.4	2.5
2	*5700.00	106.5 AV			1.75 H	138	104.0	2.5
3	#5725.00	65.4 PK	68.2	-2.8	1.75 H	138	62.8	2.6
4	11400.00	47.5 PK	74.0	-26.5	1.50 H	251	34.5	13.0
5	11400.00	36.4 AV	54.0	-17.6	1.50 H	251	23.4	13.0
6	#17100.00	47.1 PK	68.2	-21.1	1.25 H	218	30.0	17.1
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	*5700.00	116.0 PK			1.48 V	79	113.5	2.5
2	*5700.00	106.3 AV			1.48 V	79	103.8	2.5
3	#5725.00	66.7 PK	68.2	-1.5	1.48 V	79	64.1	2.6
4	11400.00	47.9 PK	74.0	-26.1	1.51 V	303	34.9	13.0
5	11400.00	36.9 AV	54.0	-17.1	1.51 V	303	23.9	13.0
6	#17100.00	48.2 PK	68.2	-20.0	4.00 V	236	31.1	17.1

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.0 PK	74.0	-20.0	1.73 H	134	51.6	2.4
2	5460.00	42.4 AV	54.0	-11.6	1.73 H	134	40.0	2.4
3	#5470.00	53.2 PK	68.2	-15.0	1.73 H	134	50.8	2.4
4	*5720.00	115.5 PK			1.73 H	134	112.9	2.6
5	*5720.00	107.4 AV			1.73 H	134	104.8	2.6
6	#5850.00	49.9 PK	68.2	-18.3	1.73 H	134	46.9	3.0
7	11440.00	48.2 PK	74.0	-25.8	1.48 H	238	35.2	13.0
8	11440.00	36.8 AV	54.0	-17.2	1.48 H	238	23.8	13.0
9	#17160.00	47.9 PK	68.2	-20.3	1.24 H	212	30.8	17.1

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	5460.00	60.0 PK	74.0	-14.0	1.51 V	80	57.6	2.4
2	5460.00	46.2 AV	54.0	-7.8	1.51 V	80	43.8	2.4
3	#5470.00	58.9 PK	68.2	-9.3	1.51 V	80	56.5	2.4
4	*5720.00	117.7 PK			1.51 V	80	115.1	2.6
5	*5720.00	108.5 AV			1.51 V	80	105.9	2.6
6	#5850.00	51.4 PK	68.2	-16.8	1.51 V	80	48.4	3.0
7	11440.00	48.6 PK	74.0	-25.4	1.52 V	300	35.6	13.0
8	11440.00	37.7 AV	54.0	-16.3	1.52 V	300	24.7	13.0
9	#17160.00	48.4 PK	68.2	-19.8	4.00 V	228	31.3	17.1

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	114.2 PK			1.75 H	61	111.9	2.3
2	*5270.00	105.8 AV			1.75 H	61	103.5	2.3
3	5350.00	64.9 PK	74.0	-9.1	1.75 H	61	62.6	2.3
4	5350.00	51.5 AV	54.0	-2.5	1.75 H	61	49.2	2.3
5	#10540.00	46.1 PK	68.2	-22.1	1.36 H	231	33.8	12.3
6	15810.00	44.6 PK	74.0	-29.4	1.38 H	216	32.7	11.9
7	15810.00	33.5 AV	54.0	-20.5	1.38 H	216	21.6	11.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	116.6 PK			1.51 V	168	114.3	2.3
2	*5270.00	107.1 AV			1.51 V	168	104.8	2.3
3	5350.00	65.3 PK	74.0	-8.7	1.51 V	168	63.0	2.3
4	5350.00	53.9 AV	54.0	-0.1	1.51 V	168	51.6	2.3
5	#10540.00	46.5 PK	68.2	-21.7	1.55 V	7	34.2	12.3
6	15810.00	44.9 PK	74.0	-29.1	1.50 V	88	33.0	11.9
7	15810.00	33.7 AV	54.0	-20.3	1.50 V	88	21.8	11.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	111.6 PK			1.77 H	53	109.3	2.3
2	*5310.00	103.9 AV			1.77 H	53	101.6	2.3
3	5350.00	65.6 PK	74.0	-8.4	1.77 H	53	63.3	2.3
4	5350.00	51.2 AV	54.0	-2.8	1.77 H	53	48.9	2.3
5	10620.00	47.6 PK	74.0	-26.4	1.35 H	223	35.3	12.3
6	10620.00	34.9 AV	54.0	-19.1	1.35 H	223	22.6	12.3
7	15930.00	44.8 PK	74.0	-29.2	1.40 H	214	32.8	12.0
8	15930.00	32.5 AV	54.0	-21.5	1.40 H	214	20.5	12.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	113.7 PK			1.51 V	360	111.4	2.3
2	*5310.00	104.8 AV			1.51 V	360	102.5	2.3
3	5350.00	66.2 PK	74.0	-7.8	1.51 V	360	63.9	2.3
4	5350.00	53.7 AV	54.0	-0.3	1.51 V	360	51.4	2.3
5	10620.00	48.0 PK	74.0	-26.0	4.00 V	38	35.7	12.3
6	10620.00	35.0 AV	54.0	-19.0	4.00 V	38	22.7	12.3
7	15930.00	45.2 PK	74.0	-28.8	1.40 V	320	33.2	12.0
8	15930.00	32.8 AV	54.0	-21.2	1.40 V	320	20.8	12.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.3 PK	74.0	-9.7	1.75 H	63	61.9	2.4
2	5460.00	48.2 AV	54.0	-5.8	1.75 H	63	45.8	2.4
3	#5470.00	65.6 PK	68.2	-2.6	1.75 H	63	63.2	2.4
4	*5510.00	113.9 PK			1.75 H	63	111.4	2.5
5	*5510.00	103.8 AV			1.75 H	63	101.3	2.5
6	11020.00	46.9 PK	74.0	-27.1	1.33 H	225	34.0	12.9
7	11020.00	34.2 AV	54.0	-19.8	1.33 H	225	21.3	12.9
8	#16530.00	45.1 PK	68.2	-23.1	1.45 H	221	30.2	14.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.6 PK	74.0	-8.4	1.51 V	72	63.2	2.4
2	5460.00	50.1 AV	54.0	-3.9	1.51 V	72	47.7	2.4
3	#5470.00	67.1 PK	68.2	-1.1	1.51 V	72	64.7	2.4
4	*5510.00	115.0 PK			1.51 V	72	112.5	2.5
5	*5510.00	104.5 AV			1.51 V	72	102.0	2.5
6	11020.00	47.5 PK	74.0	-26.5	3.93 V	57	34.6	12.9
7	11020.00	34.8 AV	54.0	-19.2	3.93 V	57	21.9	12.9
8	#16530.00	45.2 PK	68.2	-23.0	1.48 V	305	30.3	14.9

Remarks:

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

RF Mode	802.11be (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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.2 PK	74.0	-9.8	1.81 H	64	61.8	2.4
2	5460.00	51.8 AV	54.0	-2.2	1.81 H	64	49.4	2.4
3	#5470.00	65.8 PK	68.2	-2.4	1.81 H	64	63.4	2.4
4	*5550.00	116.5 PK			1.81 H	64	114.0	2.5
5	*5550.00	106.5 AV			1.81 H	64	104.0	2.5
6	11100.00	47.1 PK	74.0	-26.9	1.35 H	210	34.1	13.0
7	11100.00	34.6 AV	54.0	-19.4	1.35 H	210	21.6	13.0
8	#16650.00	44.8 PK	68.2	-23.4	1.44 H	233	29.0	15.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.5 PK	74.0	-8.5	1.49 V	315	63.1	2.4
2	5460.00	53.0 AV	54.0	-1.0	1.49 V	315	50.6	2.4
3	#5470.00	67.4 PK	68.2	-0.8	1.49 V	315	65.0	2.4
4	*5550.00	117.9 PK			1.49 V	315	115.4	2.5
5	*5550.00	107.3 AV			1.49 V	315	104.8	2.5
6	11100.00	47.6 PK	74.0	-26.4	3.88 V	69	34.6	13.0
7	11100.00	35.1 AV	54.0	-18.9	3.88 V	69	22.1	13.0
8	#16650.00	45.1 PK	68.2	-23.1	1.51 V	313	29.3	15.8

Remarks:

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

RF Mode	802.11be (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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	115.1 PK			1.85 H	52	112.7	2.4
2	*5670.00	104.5 AV			1.85 H	52	102.1	2.4
3	#5725.00	66.4 PK	68.2	-1.8	1.85 H	52	63.8	2.6
4	11340.00	46.7 PK	74.0	-27.3	1.35 H	204	34.0	12.7
5	11340.00	34.8 AV	54.0	-19.2	1.35 H	204	22.1	12.7
6	#17010.00	43.4 PK	68.2	-24.8	1.46 H	220	27.0	16.4
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	*5670.00	116.7 PK			1.51 V	264	114.3	2.4
2	*5670.00	105.4 AV			1.51 V	264	103.0	2.4
3	#5725.00	67.3 PK	68.2	-0.9	1.51 V	264	64.7	2.6
4	11340.00	47.9 PK	74.0	-26.1	3.82 V	76	35.2	12.7
5	11340.00	35.5 AV	54.0	-18.5	3.82 V	76	22.8	12.7
6	#17010.00	44.8 PK	68.2	-23.4	1.47 V	316	28.4	16.4

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.8 PK	74.0	-20.2	1.82 H	42	51.4	2.4
2	5460.00	45.4 AV	54.0	-8.6	1.82 H	42	43.0	2.4
3	#5470.00	54.1 PK	68.2	-14.1	1.82 H	42	51.7	2.4
4	*5710.00	114.7 PK			1.82 H	42	112.1	2.6
5	*5710.00	107.5 AV			1.82 H	42	104.9	2.6
6	#5850.00	49.2 PK	68.2	-19.0	1.82 H	42	46.2	3.0
7	11420.00	47.2 PK	74.0	-26.8	1.37 H	199	34.3	12.9
8	11420.00	35.1 AV	54.0	-18.9	1.37 H	199	22.2	12.9
9	#17130.00	44.8 PK	68.2	-23.4	1.41 H	230	27.7	17.1

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	5460.00	54.3 PK	74.0	-19.7	1.52 V	80	51.9	2.4
2	5460.00	46.8 AV	54.0	-7.2	1.52 V	80	44.4	2.4
3	#5470.00	55.2 PK	68.2	-13.0	1.52 V	80	52.8	2.4
4	*5710.00	115.2 PK			1.52 V	80	112.6	2.6
5	*5710.00	108.3 AV			1.52 V	80	105.7	2.6
6	#5850.00	50.4 PK	68.2	-17.8	1.52 V	80	47.4	3.0
7	11420.00	48.4 PK	74.0	-25.6	3.88 V	84	35.5	12.9
8	11420.00	36.0 AV	54.0	-18.0	3.88 V	84	23.1	12.9
9	#17130.00	45.1 PK	68.2	-23.1	1.44 V	314	28.0	17.1

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 (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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	1.78 H	24	62.0	2.7
2	5150.00	51.9 AV	54.0	-2.1	1.78 H	24	49.2	2.7
3	*5290.00	113.5 PK			1.78 H	24	111.2	2.3
4	*5290.00	99.8 AV			1.78 H	24	97.5	2.3
5	5350.00	66.5 PK	74.0	-7.5	1.78 H	24	64.2	2.3
6	5350.00	52.6 AV	54.0	-1.4	1.78 H	24	50.3	2.3
7	#10580.00	45.6 PK	68.2	-22.6	1.37 H	205	33.2	12.4
8	15870.00	45.7 PK	74.0	-28.3	1.42 H	209	33.6	12.1
9	15870.00	33.5 AV	54.0	-20.5	1.42 H	209	21.4	12.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.8 PK	74.0	-8.2	1.48 V	100	63.1	2.7
2	5150.00	52.1 AV	54.0	-1.9	1.48 V	100	49.4	2.7
3	*5290.00	114.3 PK			1.48 V	100	112.0	2.3
4	*5290.00	101.1 AV			1.48 V	100	98.8	2.3
5	5350.00	67.2 PK	74.0	-6.8	1.48 V	100	64.9	2.3
6	5350.00	53.9 AV	54.0	-0.1	1.48 V	100	51.6	2.3
7	#10580.00	46.7 PK	68.2	-21.5	1.49 V	22	34.3	12.4
8	15870.00	45.8 PK	74.0	-28.2	1.51 V	71	33.7	12.1
9	15870.00	34.4 AV	54.0	-19.6	1.51 V	71	22.3	12.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.6 PK	74.0	-11.4	1.83 H	20	60.2	2.4
2	5460.00	52.4 AV	54.0	-1.6	1.83 H	20	50.0	2.4
3	#5470.00	66.3 PK	68.2	-1.9	1.83 H	20	63.9	2.4
4	*5530.00	109.5 PK			1.83 H	20	107.0	2.5
5	*5530.00	97.4 AV			1.83 H	20	94.9	2.5
6	#5725.00	48.1 PK	68.2	-20.1	1.83 H	20	45.5	2.6
7	11060.00	48.2 PK	74.0	-25.8	1.41 H	209	35.2	13.0
8	11060.00	34.8 AV	54.0	-19.2	1.41 H	209	21.8	13.0
9	#16590.00	44.8 PK	68.2	-23.4	1.40 H	196	28.9	15.9

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.7 PK	74.0	-10.3	1.51 V	318	61.3	2.4
2	5460.00	53.6 AV	54.0	-0.4	1.51 V	318	51.2	2.4
3	#5470.00	67.7 PK	68.2	-0.5	1.51 V	318	65.3	2.4
4	*5530.00	110.6 PK			1.51 V	318	108.1	2.5
5	*5530.00	99.5 AV			1.51 V	318	97.0	2.5
6	#5725.00	49.2 PK	68.2	-19.0	1.51 V	318	46.6	2.6
7	11060.00	48.4 PK	74.0	-25.6	1.50 V	14	35.4	13.0
8	11060.00	35.7 AV	54.0	-18.3	1.50 V	14	22.7	13.0
9	#16590.00	45.2 PK	68.2	-23.0	1.48 V	82	29.3	15.9

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	113.2 PK			1.78 H	8	110.8	2.4
2	*5610.00	101.3 AV			1.78 H	8	98.9	2.4
3	#5725.00	65.1 PK	68.2	-3.1	1.78 H	8	62.5	2.6
4	11220.00	47.7 PK	74.0	-26.3	1.37 H	213	34.8	12.9
5	11220.00	34.4 AV	54.0	-19.6	1.37 H	213	21.5	12.9
6	#16830.00	43.6 PK	68.2	-24.6	1.36 H	183	27.7	15.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	114.3 PK			1.51 V	82	111.9	2.4
2	*5610.00	103.2 AV			1.51 V	82	100.8	2.4
3	#5725.00	67.6 PK	68.2	-0.6	1.51 V	82	65.0	2.6
4	11220.00	48.4 PK	74.0	-25.6	1.47 V	10	35.5	12.9
5	11220.00	35.8 AV	54.0	-18.2	1.47 V	10	22.9	12.9
6	#16830.00	44.8 PK	68.2	-23.4	1.50 V	98	28.9	15.9

Remarks:

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

RF Mode	802.11be (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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	1.77 H	18	59.0	2.4
2	5460.00	49.8 AV	54.0	-4.2	1.77 H	18	47.4	2.4
3	#5470.00	62.1 PK	68.2	-6.1	1.77 H	18	59.7	2.4
4	*5690.00	113.1 PK			1.77 H	18	110.7	2.4
5	*5690.00	102.3 AV			1.77 H	18	99.9	2.4
6	#5850.00	64.8 PK	68.2	-3.4	1.77 H	18	61.8	3.0
7	11380.00	47.4 PK	74.0	-26.6	1.40 H	199	34.6	12.8
8	11380.00	34.1 AV	54.0	-19.9	1.40 H	199	21.3	12.8
9	#17070.00	44.9 PK	68.2	-23.3	1.36 H	178	27.9	17.0

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.8 PK	74.0	-11.2	1.29 V	80	60.4	2.4
2	5460.00	51.2 AV	54.0	-2.8	1.29 V	80	48.8	2.4
3	#5470.00	63.9 PK	68.2	-4.3	1.29 V	80	61.5	2.4
4	*5690.00	115.0 PK			1.29 V	80	112.6	2.4
5	*5690.00	104.4 AV			1.29 V	80	102.0	2.4
6	#5850.00	66.2 PK	68.2	-2.0	1.29 V	80	63.2	3.0
7	11380.00	48.1 PK	74.0	-25.9	1.43 V	24	35.3	12.8
8	11380.00	35.3 AV	54.0	-18.7	1.43 V	24	22.5	12.8
9	#17070.00	45.1 PK	68.2	-23.1	1.54 V	87	28.1	17.0

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 (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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.76 H	3	60.7	2.7
2	5150.00	51.3 AV	54.0	-2.7	1.76 H	3	48.6	2.7
3	*5250.00	104.3 PK			1.76 H	3	102.0	2.3
4	*5250.00	94.5 AV			1.76 H	3	92.2	2.3
5	5350.00	59.8 PK	74.0	-14.2	1.76 H	3	57.5	2.3
6	5350.00	48.4 AV	54.0	-5.6	1.76 H	3	46.1	2.3
7	#10500.00	45.4 PK	68.2	-22.8	1.45 H	195	33.0	12.4
8	15750.00	44.8 PK	74.0	-29.2	1.30 H	163	32.6	12.2
9	15750.00	33.7 AV	54.0	-20.3	1.30 H	163	21.5	12.2
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	64.5 PK	74.0	-9.5	1.49 V	171	61.8	2.7
2	5150.00	53.2 AV	54.0	-0.8	1.49 V	171	50.5	2.7
3	*5250.00	106.8 PK			1.49 V	171	104.5	2.3
4	*5250.00	96.2 AV			1.49 V	171	93.9	2.3
5	5350.00	61.1 PK	74.0	-12.9	1.49 V	171	58.8	2.3
6	5350.00	50.7 AV	54.0	-3.3	1.49 V	171	48.4	2.3
7	#10500.00	47.2 PK	68.2	-21.0	1.47 V	29	34.8	12.4
8	15750.00	45.9 PK	74.0	-28.1	1.55 V	76	33.7	12.2
9	15750.00	34.7 AV	54.0	-19.3	1.55 V	76	22.5	12.2

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 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	24 °C, 75 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	1.82 H	8	60.8	2.4
2	5460.00	51.1 AV	54.0	-2.9	1.82 H	8	48.7	2.4
3	#5470.00	63.7 PK	68.2	-4.5	1.82 H	8	61.3	2.4
4	*5570.00	107.9 PK			1.82 H	8	105.5	2.4
5	*5570.00	97.2 AV			1.82 H	8	94.8	2.4
6	#5725.00	60.2 PK	68.2	-8.0	1.82 H	8	57.6	2.6
7	11140.00	47.1 PK	74.0	-26.9	1.48 H	214	34.1	13.0
8	11140.00	34.3 AV	54.0	-19.7	1.48 H	214	21.3	13.0
9	#16710.00	45.4 PK	68.2	-22.8	1.34 H	173	29.8	15.6

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.6 PK	74.0	-9.4	1.49 V	85	62.2	2.4
2	5460.00	53.3 AV	54.0	-0.7	1.49 V	85	50.9	2.4
3	#5470.00	65.8 PK	68.2	-2.4	1.49 V	85	63.4	2.4
4	*5570.00	110.2 PK			1.49 V	85	107.8	2.4
5	*5570.00	99.0 AV			1.49 V	85	96.6	2.4
6	#5725.00	61.5 PK	68.2	-6.7	1.49 V	85	58.9	2.6
7	11140.00	47.8 PK	74.0	-26.2	1.46 V	6	34.8	13.0
8	11140.00	35.2 AV	54.0	-18.8	1.46 V	6	22.2	13.0
9	#16710.00	46.2 PK	68.2	-22.0	1.58 V	77	30.6	15.6

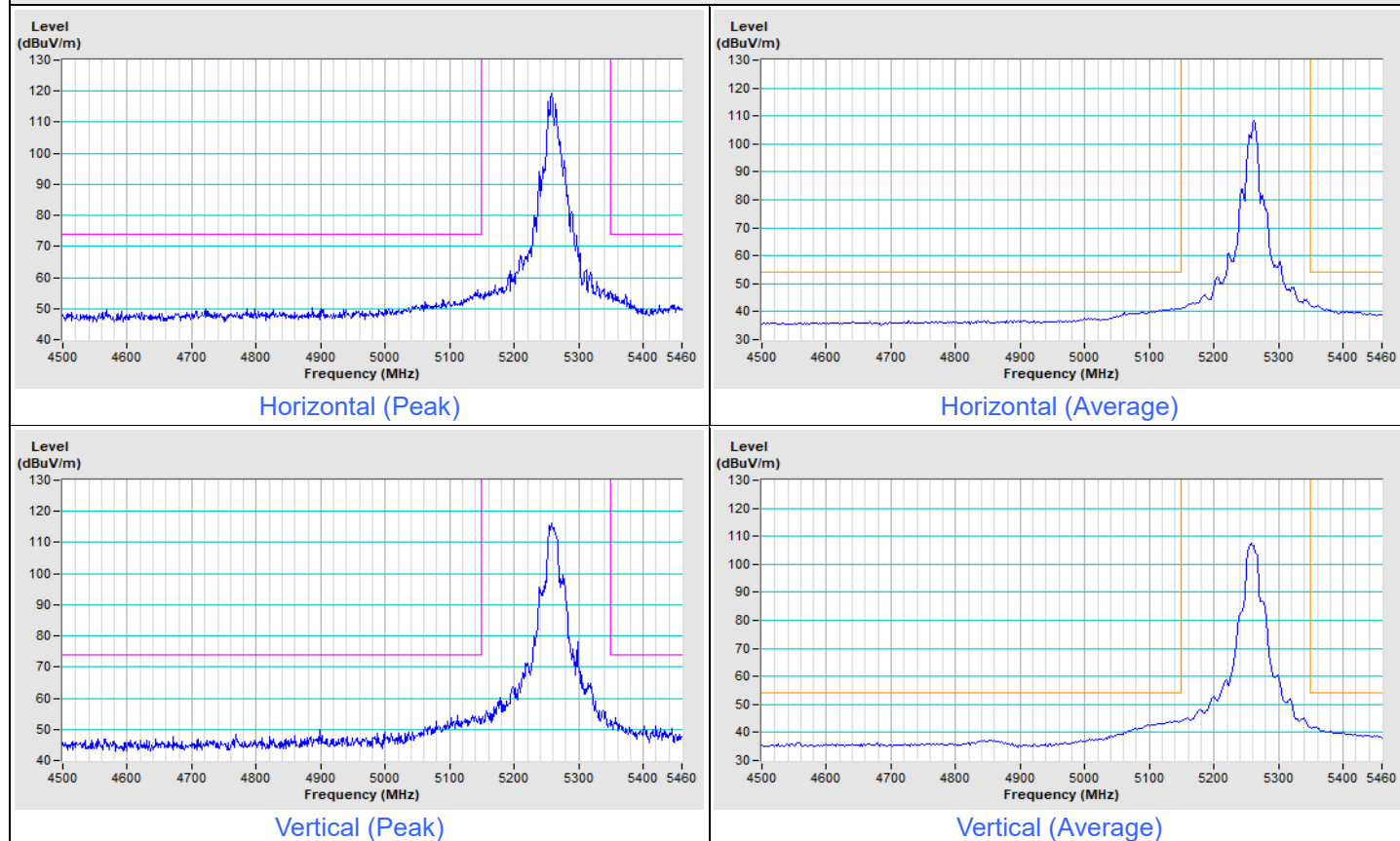
Remarks:

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

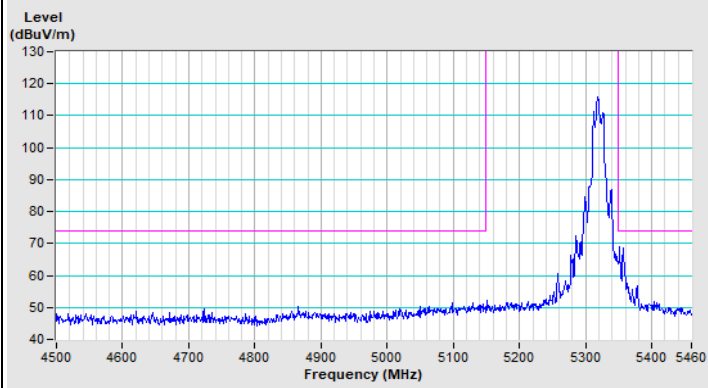
Plot of Band Edge

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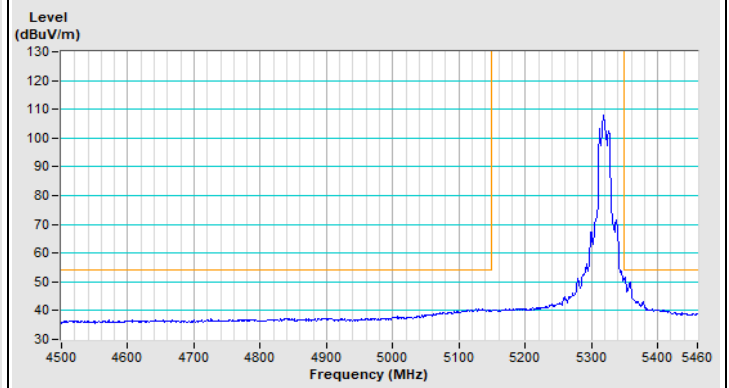
802.11a Channel 52



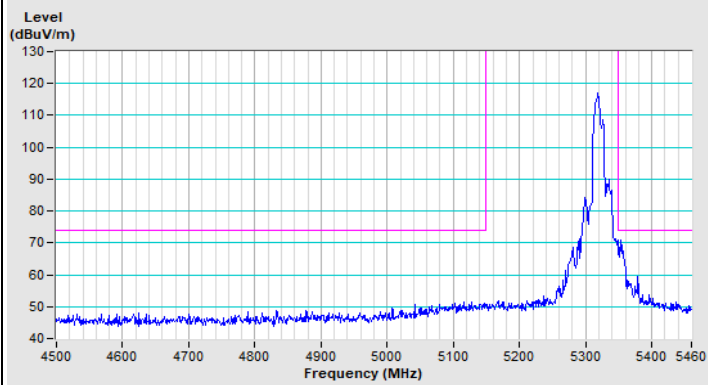
802.11a Channel 64



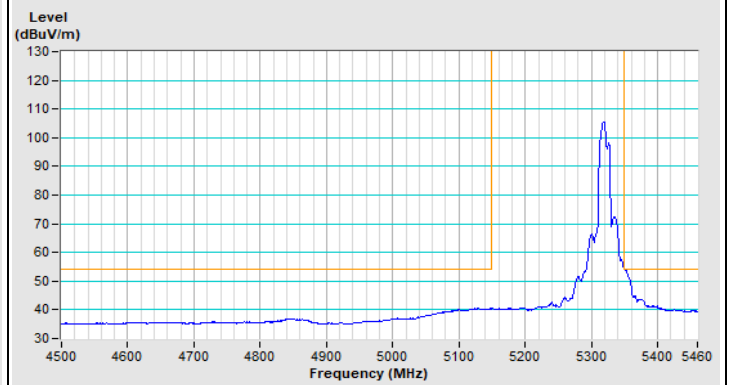
Horizontal (Peak)



Horizontal (Average)



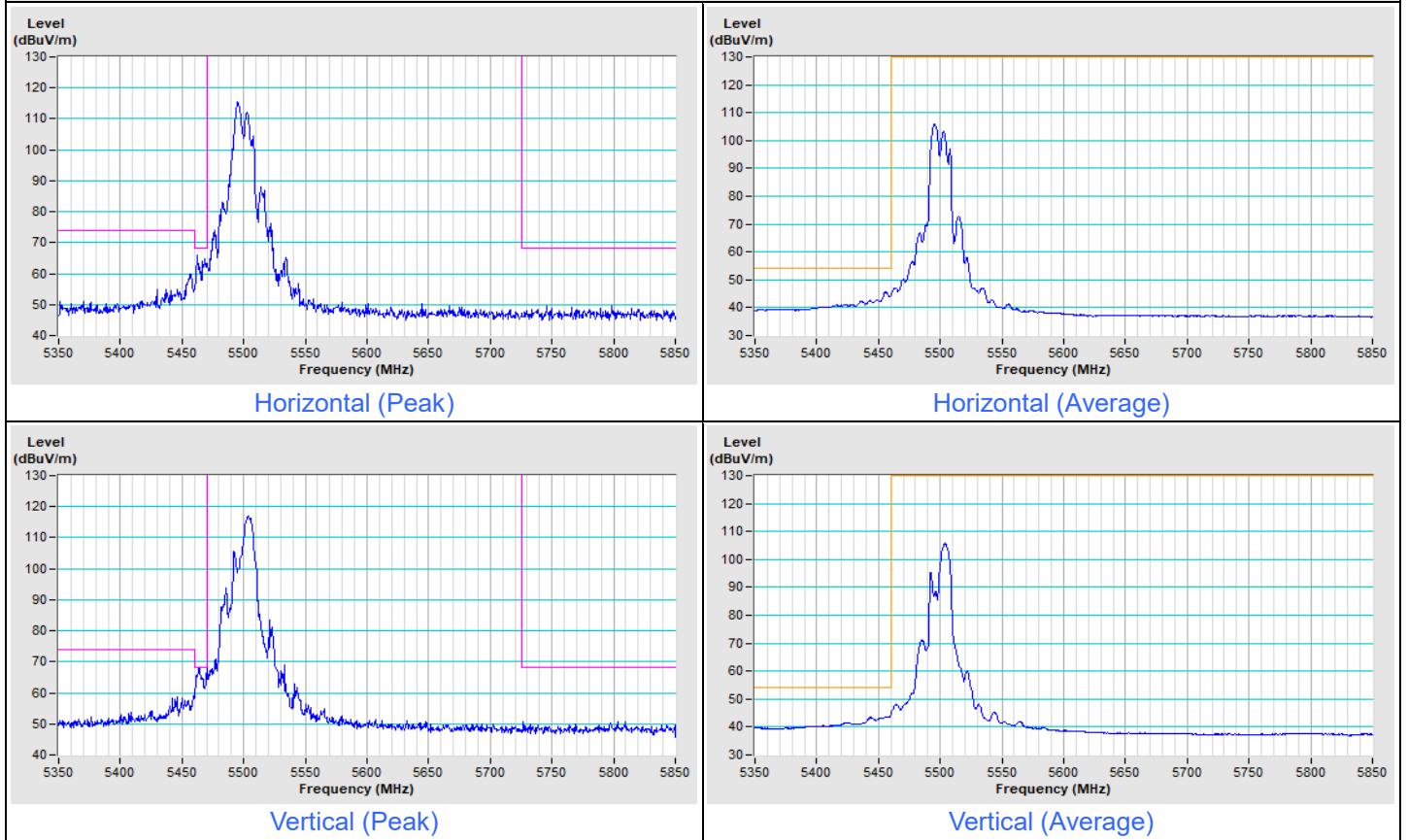
Vertical (Peak)



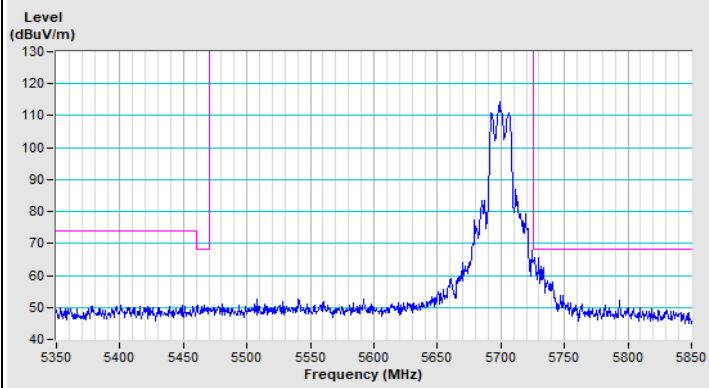
Vertical (Average)

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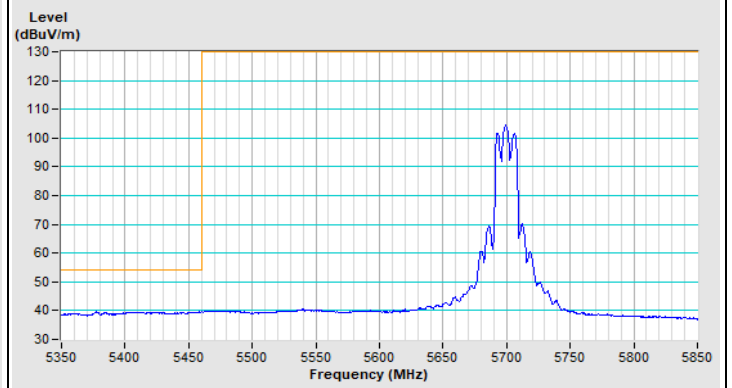
802.11a Channel 100



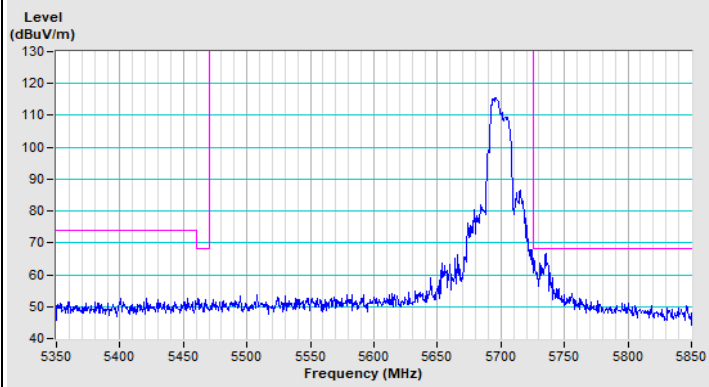
802.11a Channel 140



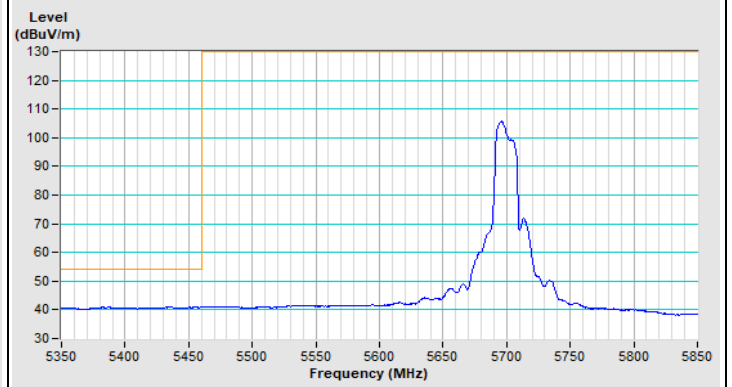
Horizontal (Peak)



Horizontal (Average)



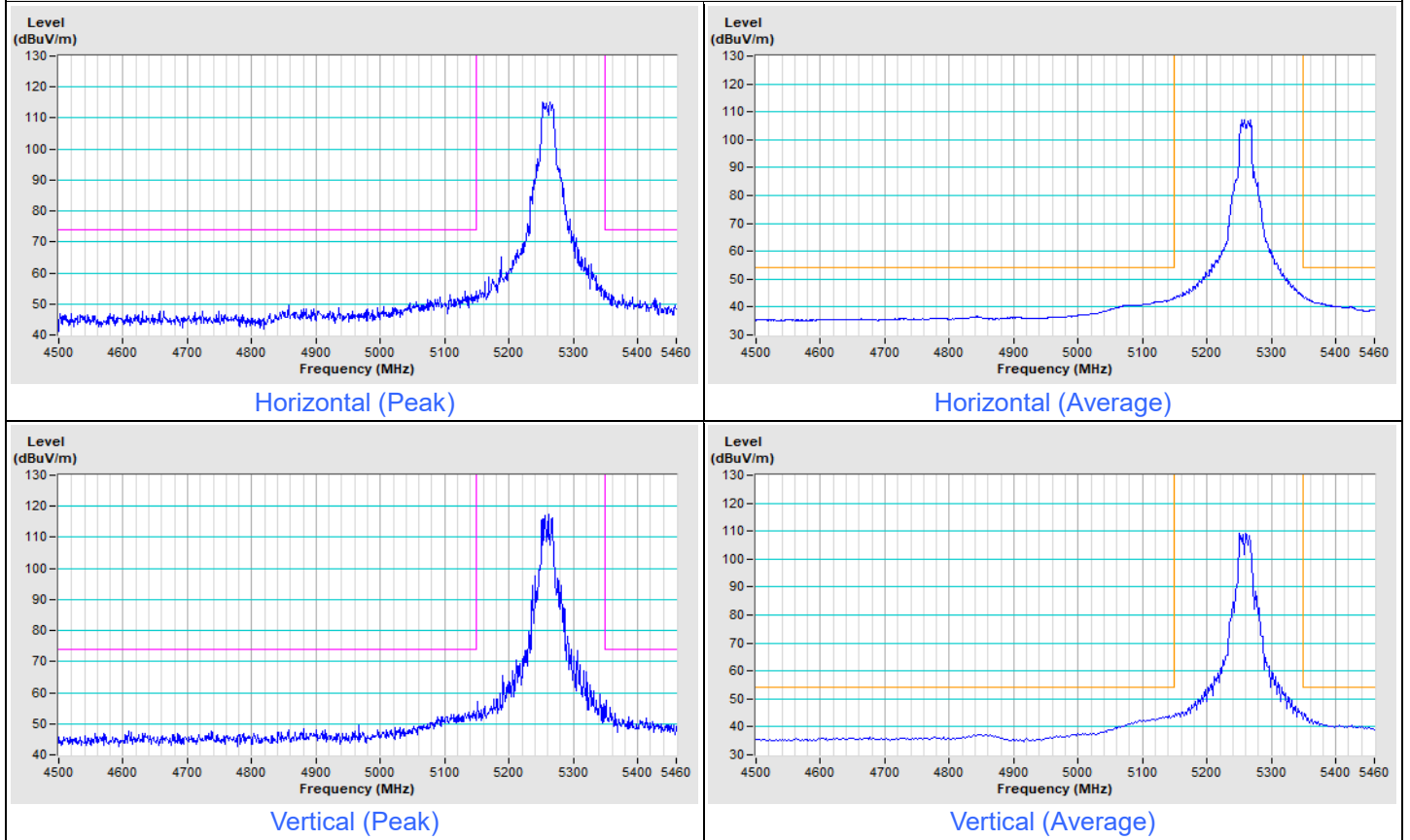
Vertical (Peak)



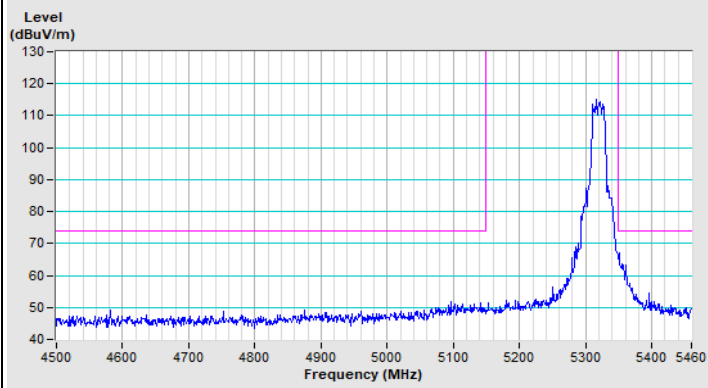
Vertical (Average)

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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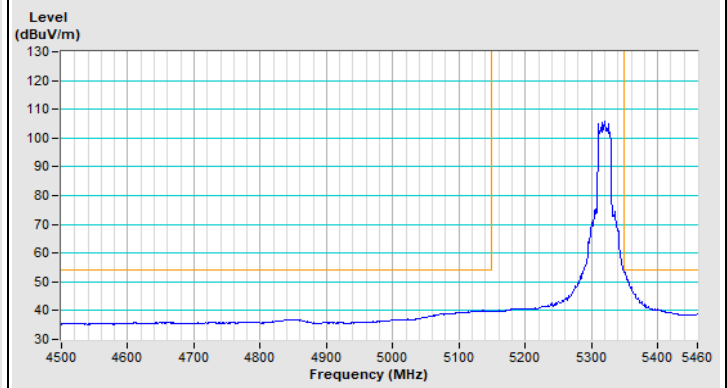
802.11be (EHT20) Channel 52



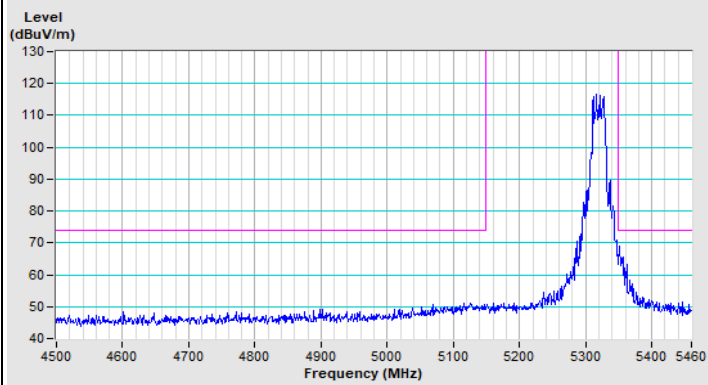
802.11be (EHT20) Channel 64



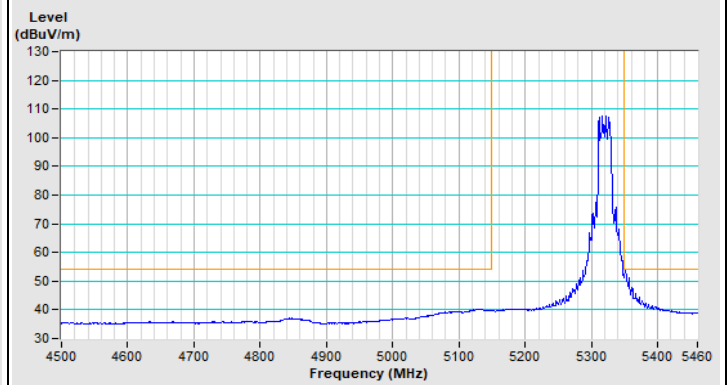
Horizontal (Peak)



Horizontal (Average)



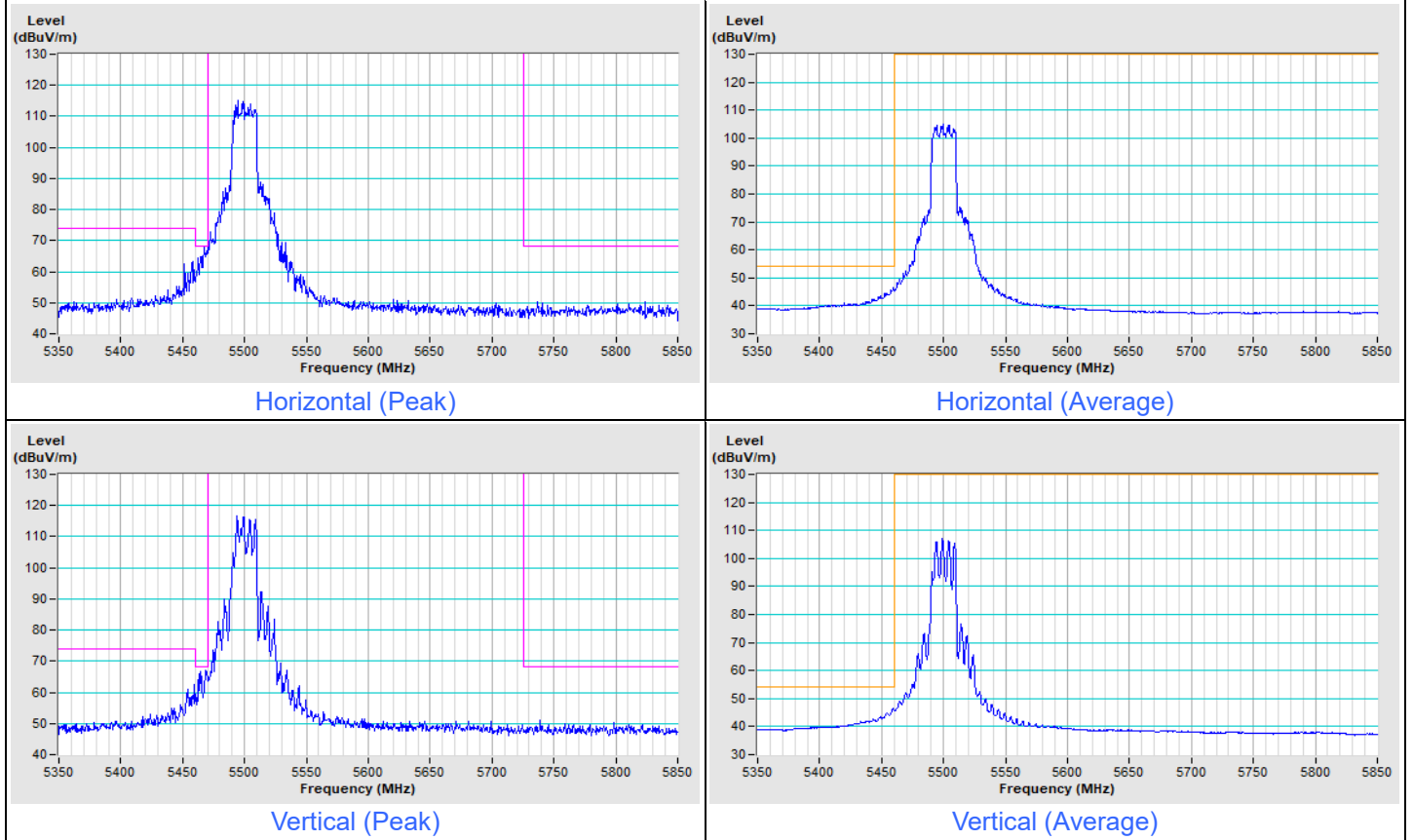
Vertical (Peak)



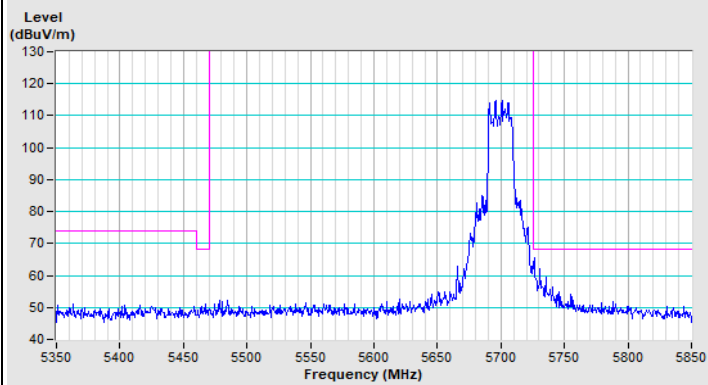
Vertical (Average)

Frequency Range	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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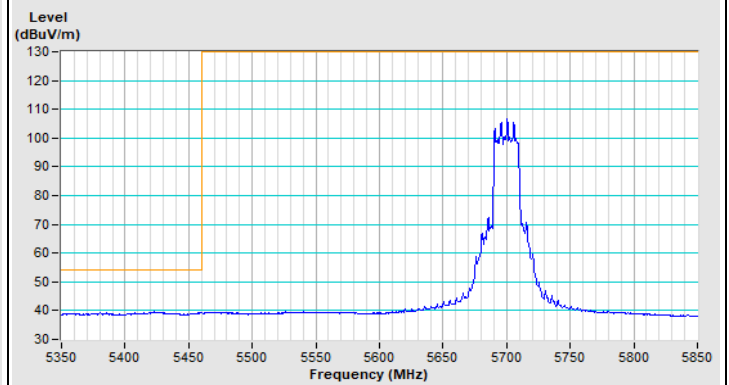
802.11be (EHT20) Channel 100



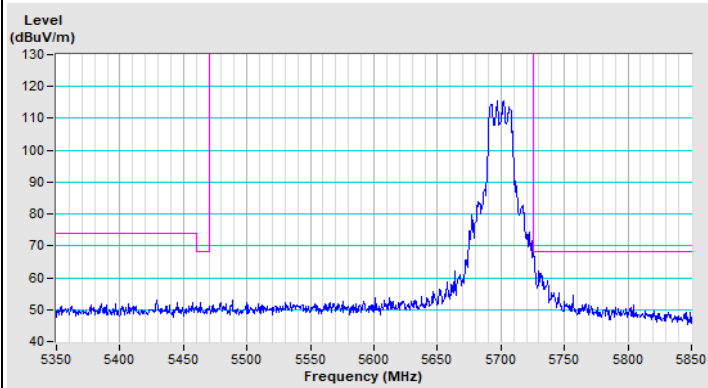
802.11be (EHT20) Channel 140



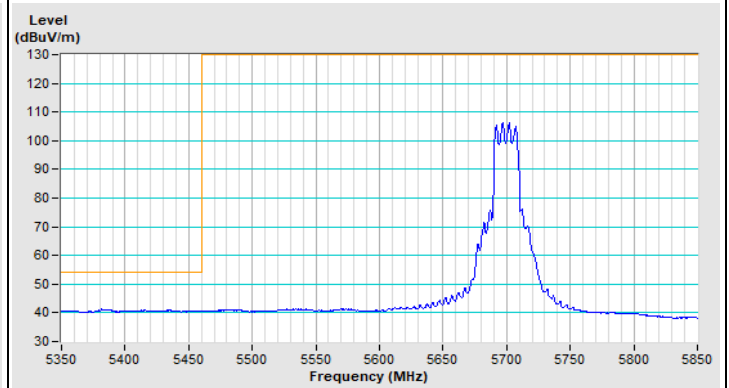
Horizontal (Peak)



Horizontal (Average)



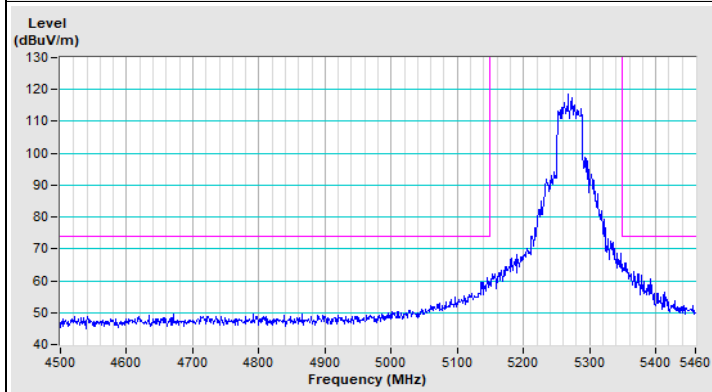
Vertical (Peak)



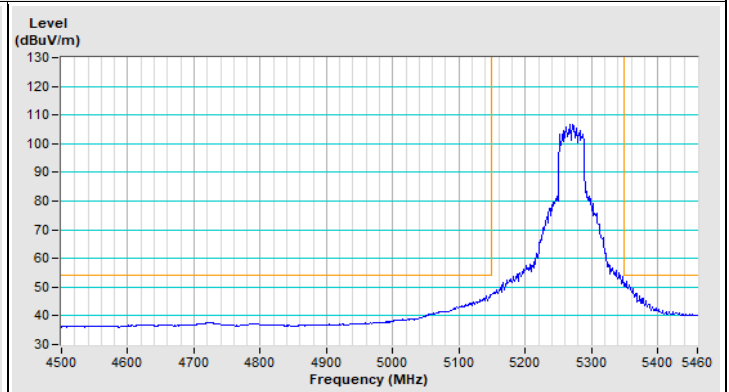
Vertical (Average)

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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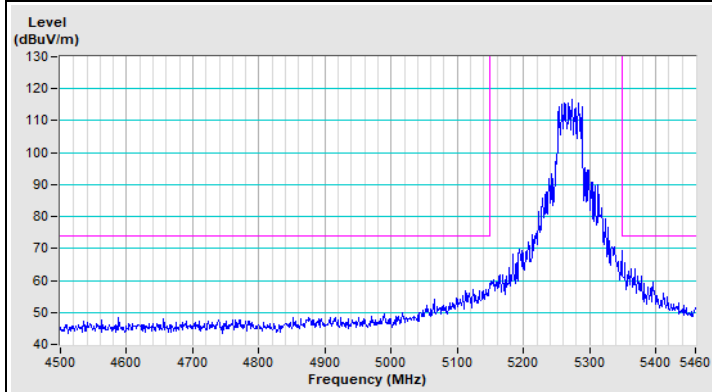
802.11be (EHT40) Channel 54



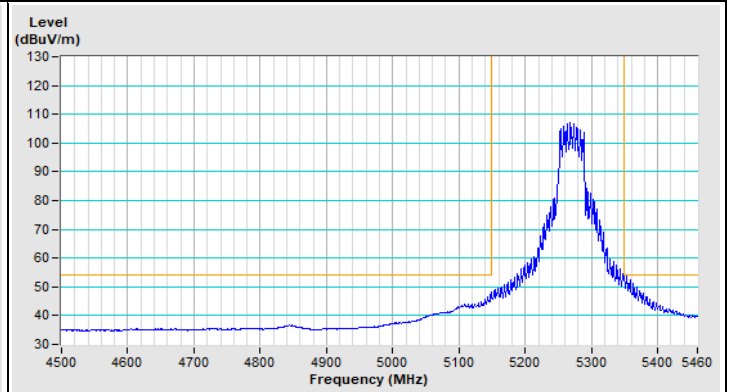
Horizontal (Peak)



Horizontal (Average)

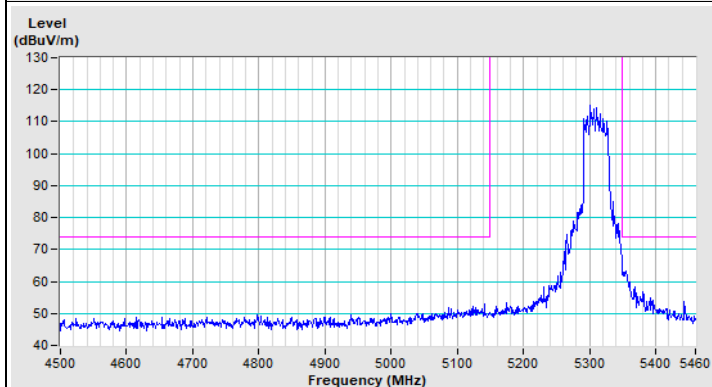


Vertical (Peak)

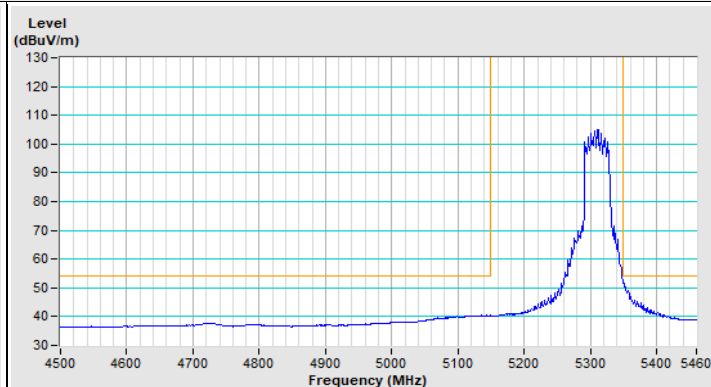


Vertical (Average)

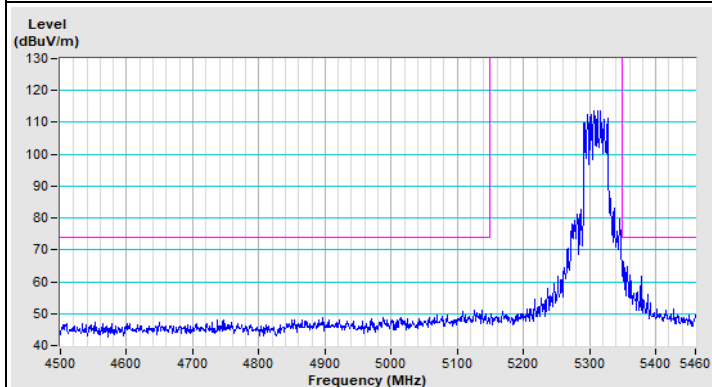
802.11be (EHT40) Channel 62



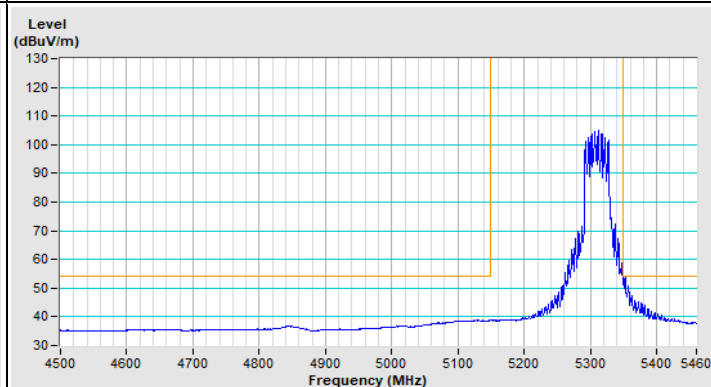
Horizontal (Peak)



Horizontal (Average)



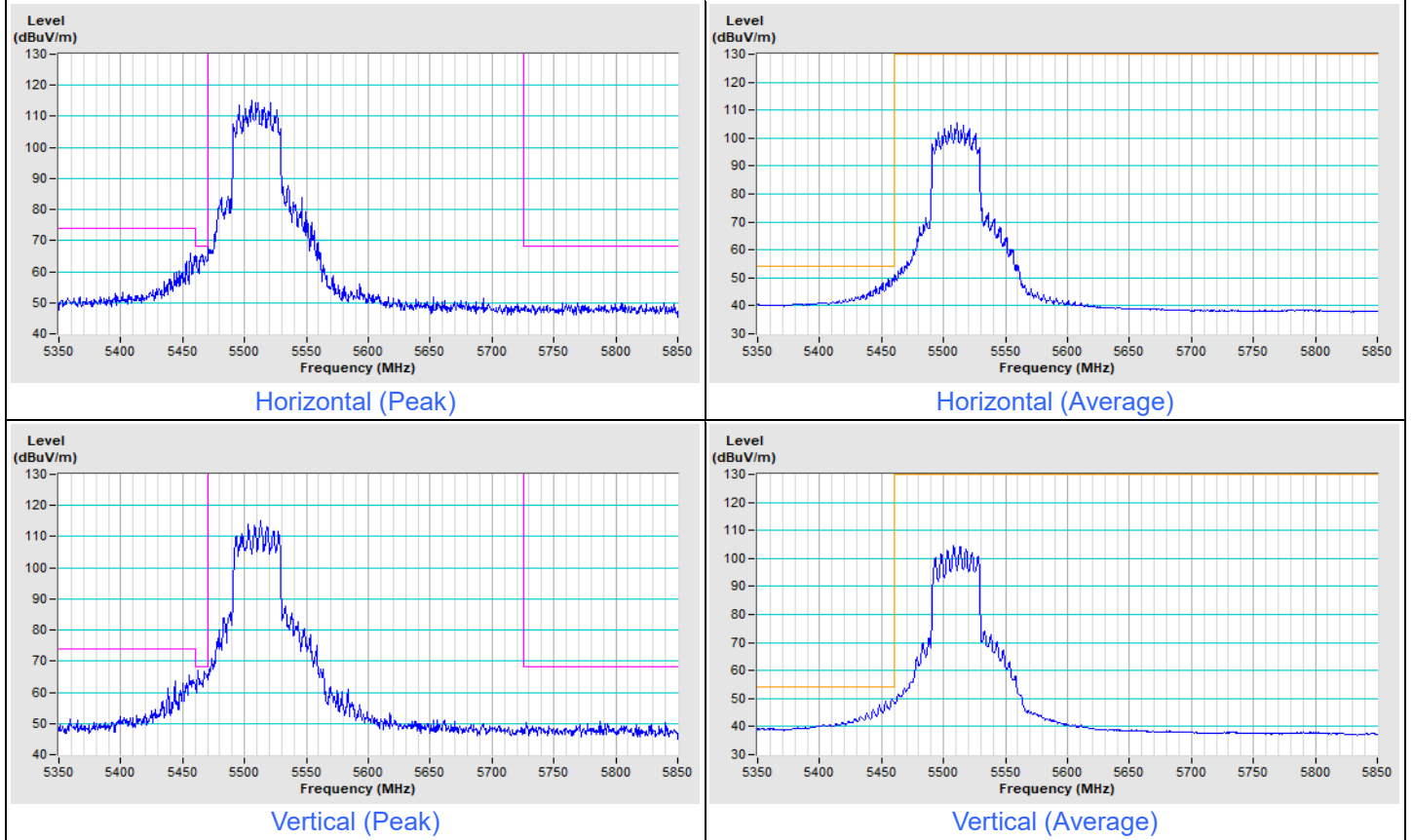
Vertical (Peak)



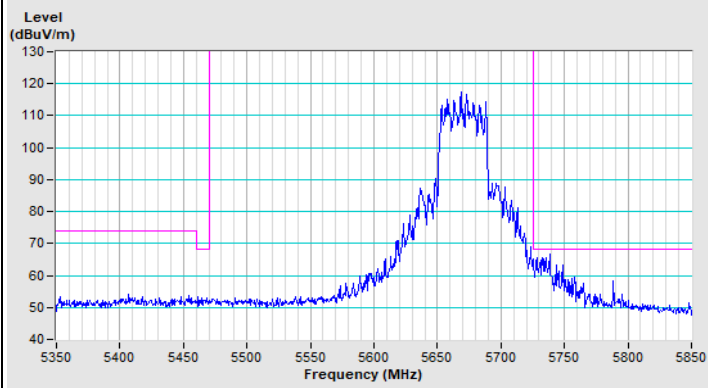
Vertical (Average)

Frequency Range	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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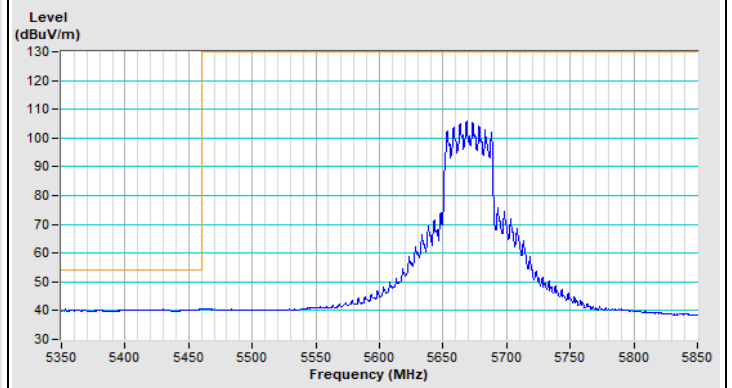
802.11be (EHT40) Channel 102



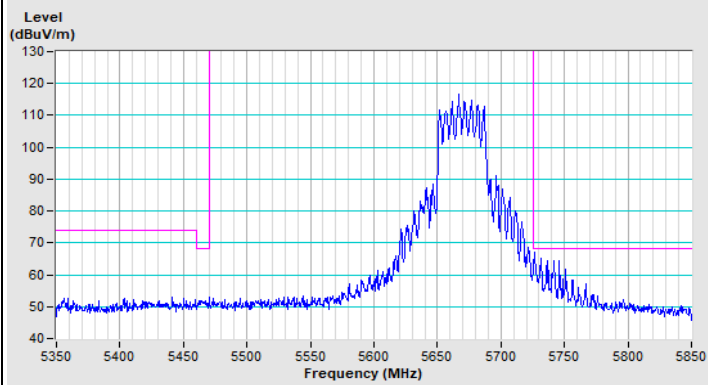
802.11be (EHT40) Channel 134



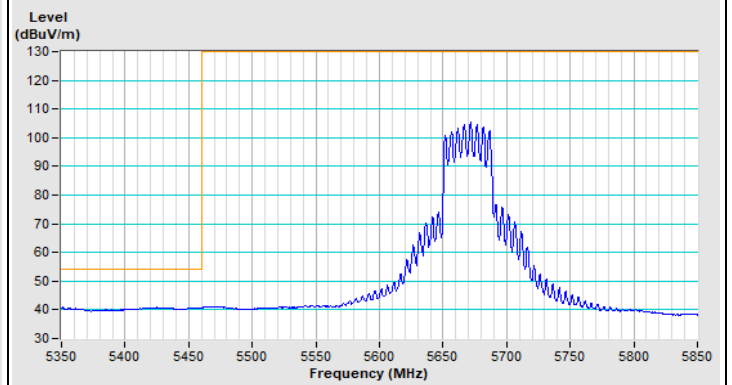
Horizontal (Peak)



Horizontal (Average)



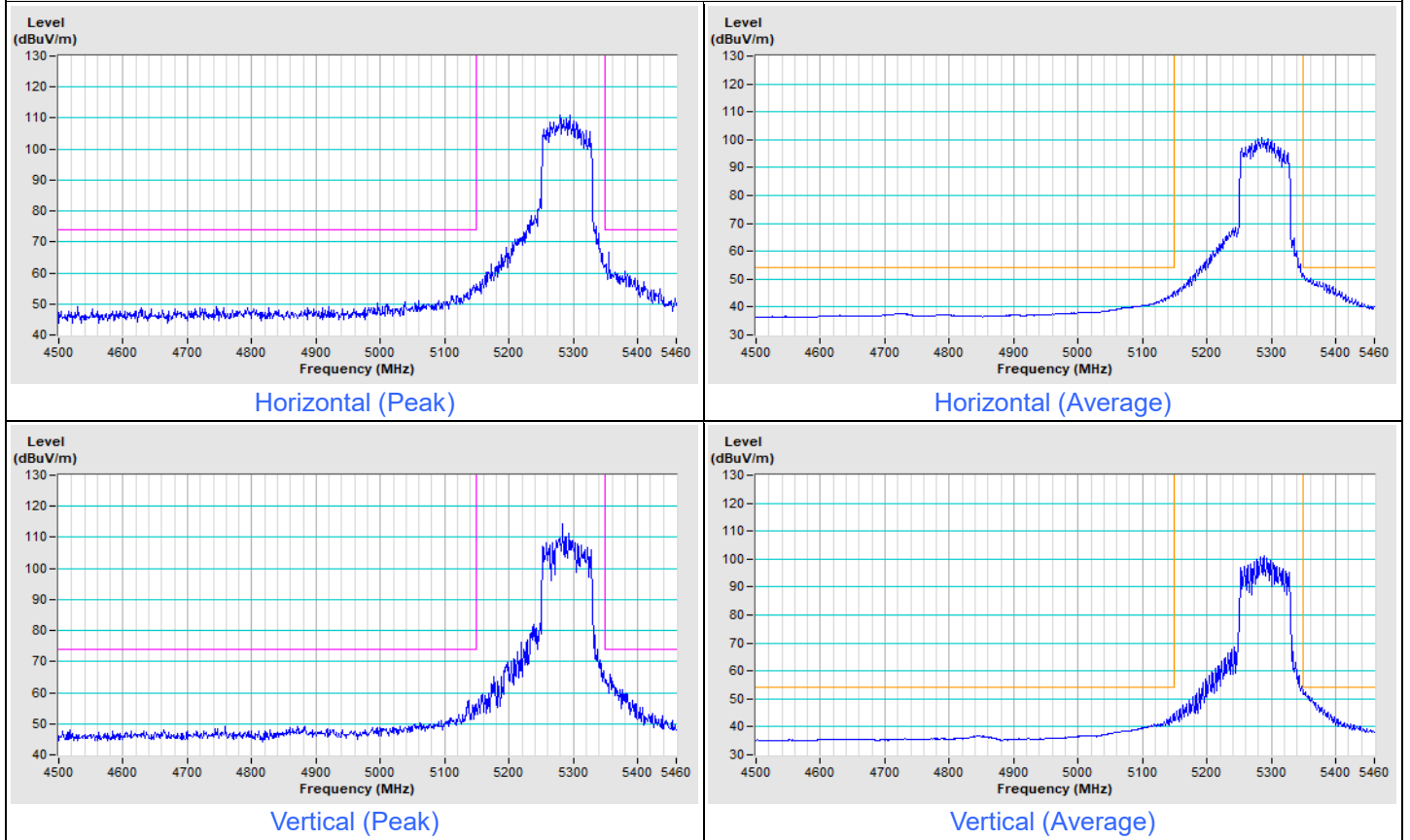
Vertical (Peak)



Vertical (Average)

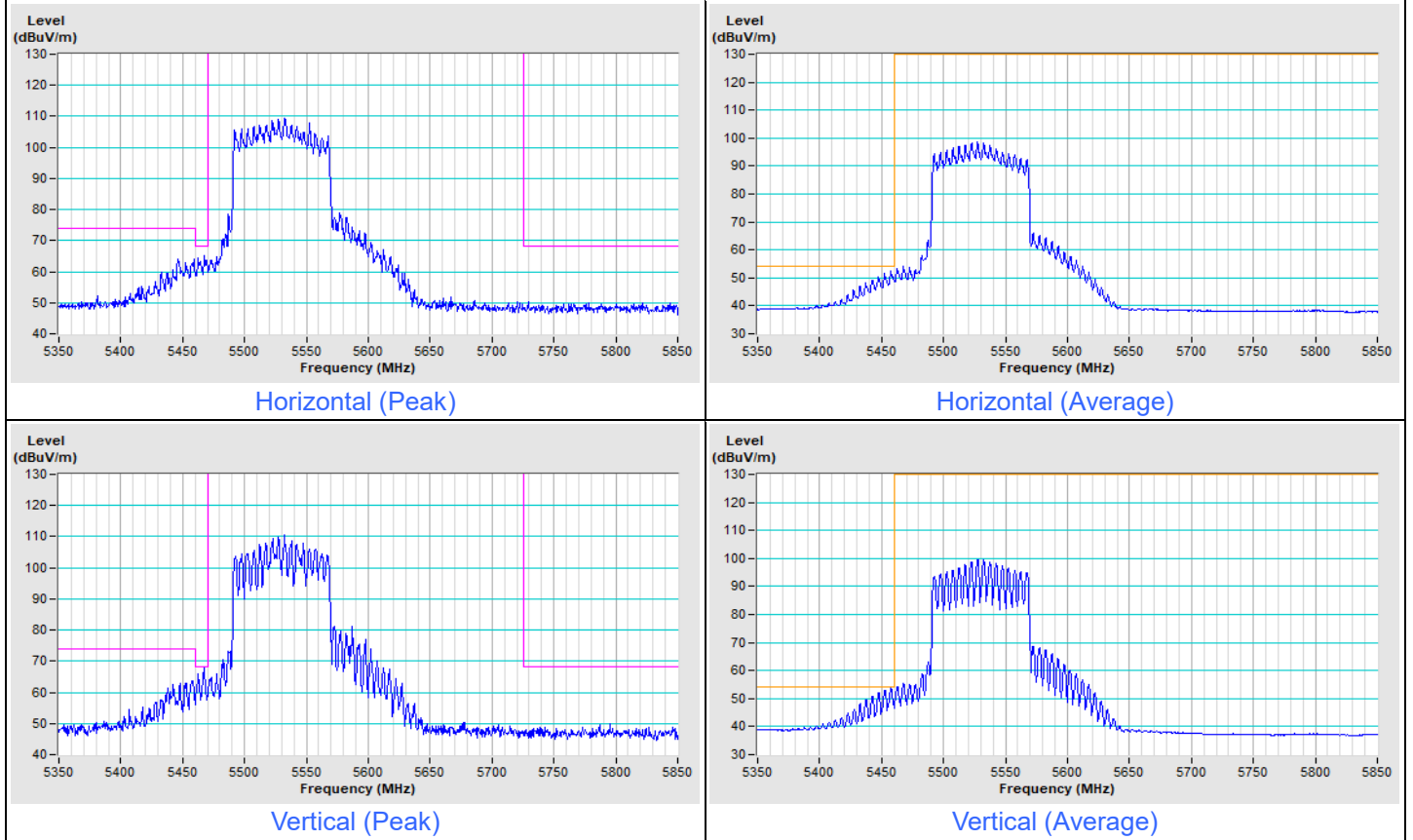
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 58

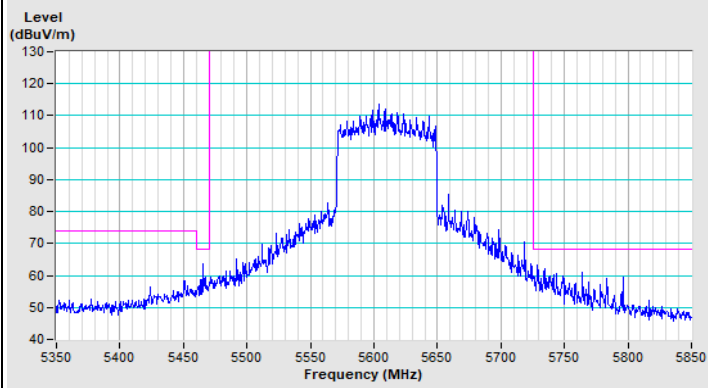


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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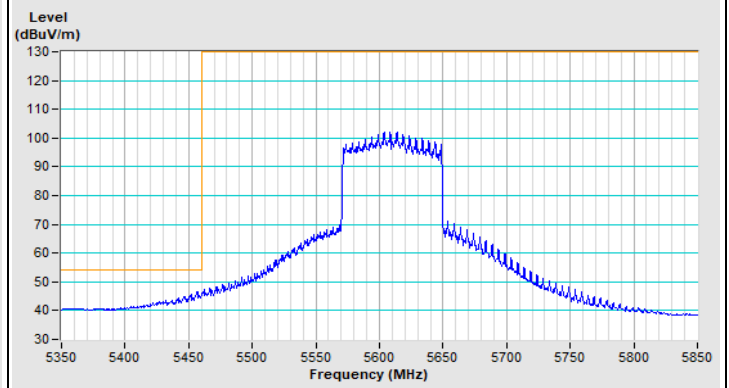
802.11be (EHT80) Channel 106



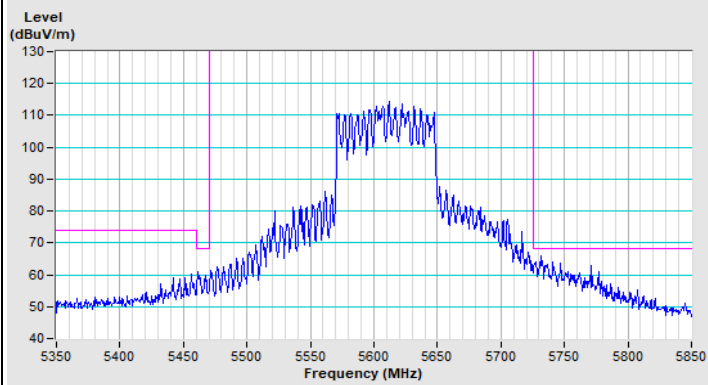
802.11be (EHT80) Channel 122



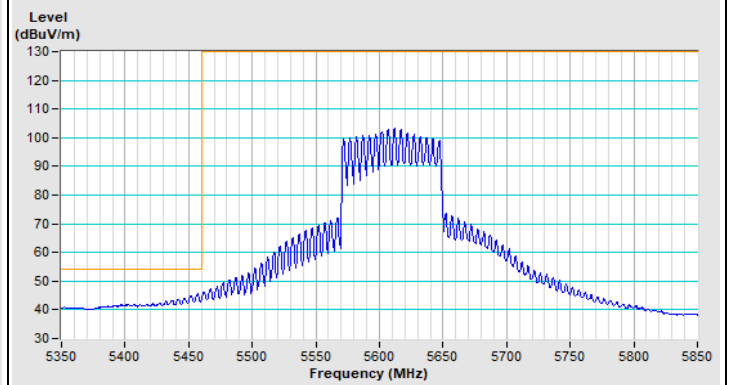
Horizontal (Peak)



Horizontal (Average)



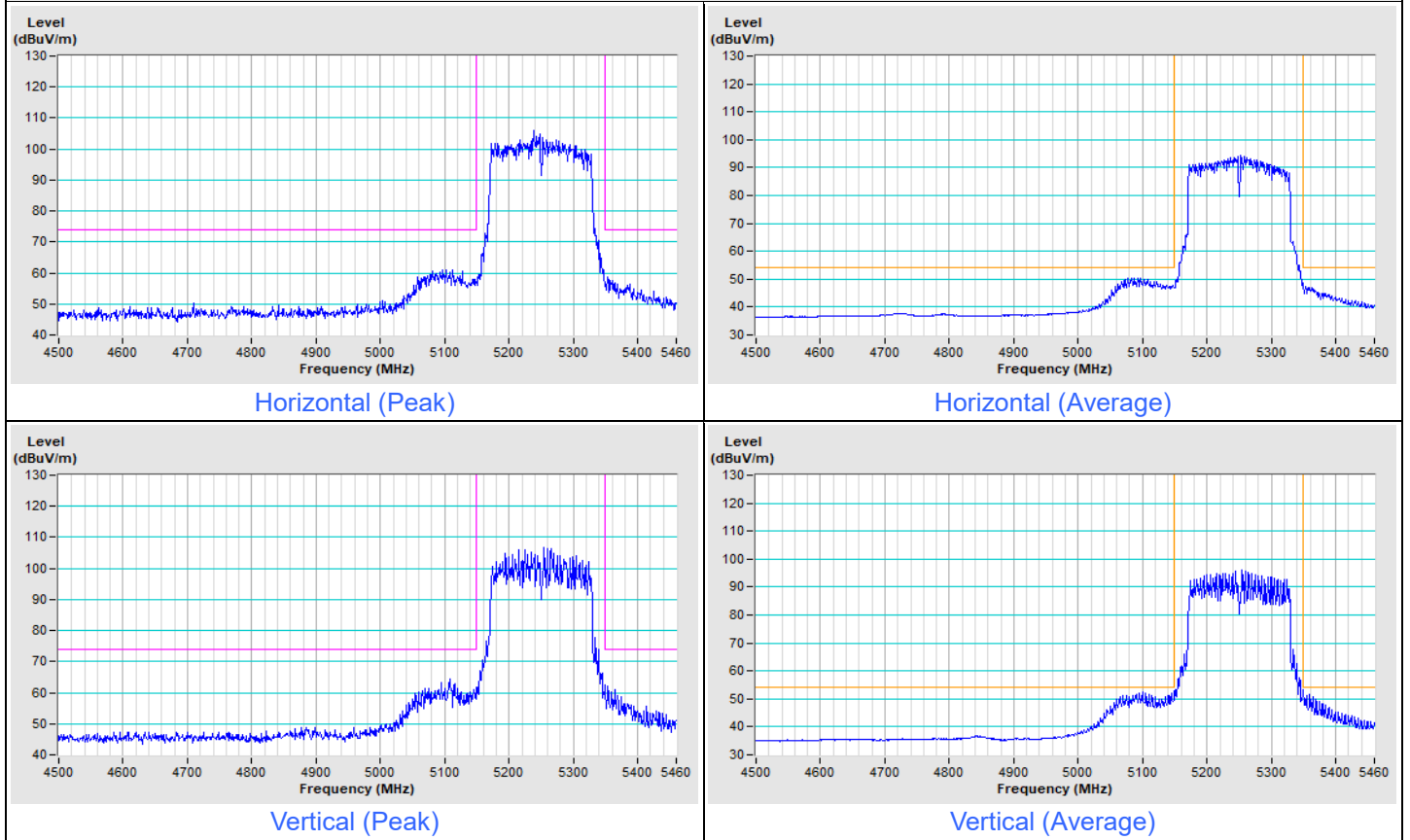
Vertical (Peak)



Vertical (Average)

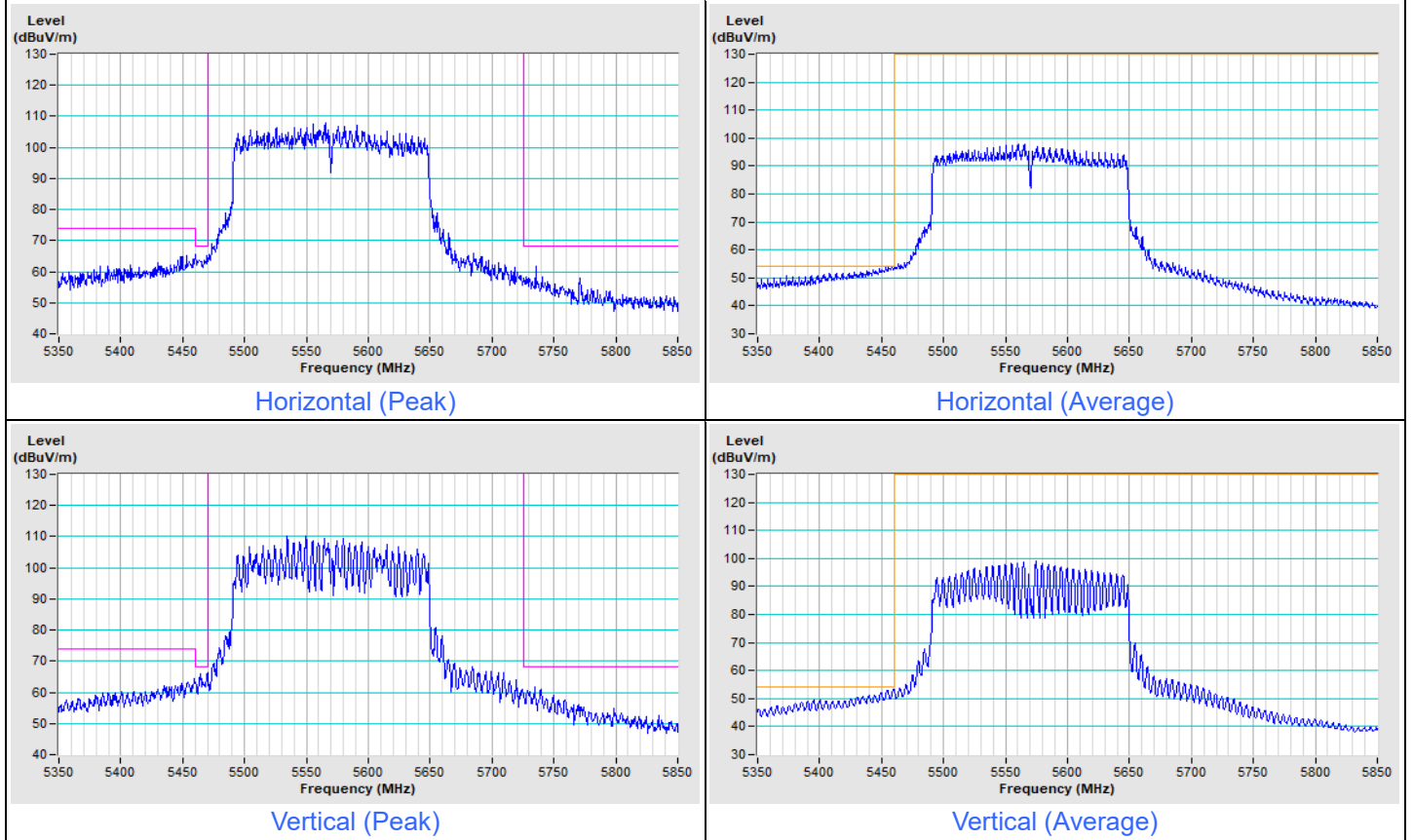
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT160) Channel 50



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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802.11be (EHT160) Channel 114



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

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

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

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