TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBBQZ-WTW-P22100778-2
FCC ID:	PY323100585
Product:	Quad-band WiFi 7 Orbi 9 Router & Quad-band WiFi 7 Orbi 9 Satellite
Brand:	NETGEAR
Model No.:	RBE971
Series Model:	RBE970
Received Date:	2022/11/2
Test Date:	2022/11/2 ~ 2023/5/17
Issued Date:	2023/5/31
Applicant and Manufacturer:	NETGEAR, Inc.
Address:	350 East Plumeria Drive San Jose, CA 95134
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** **2023/5/31**

Jeremy Lin / Project Engineer

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Prepared by : Gina Liu / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P22100778-2	Original release.	2023/5/31

1 Certificate

Product:	Quad-band WiFi 7 Orbi 9 Router & Quad-band WiFi 7 Orbi 9 Satellite
Brand:	NETGEAR
Test Model:	RBE971
Series Model:	RBE970
Sample Status:	Engineering Sample
Applicant and Manufacturer:	NETGEAR, Inc.
Test Date:	2022/11/2 ~ 2023/5/17
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01 KDB 662911 D03 MIMO Antenna Gain Measurement v01

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	Pass	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(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.47 dB at 0.50133 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.2 dB at 44.55 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 5150.00 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
Occupied Bandwidth	-	491.896 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.99 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Quad-band WiFi 7 Orbi 9 Router & Quad-band WiFi 7 Orbi 9 Satellite
Brand	NETGEAR
Test Model	RBE971
Series Model	RBE970
Model Difference	Refer to Note as below
Status of EUT	Engineering Sample
Power Supply Rating	Refer to Note as below
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode 4096QAM for OFDMA in 11be EHT 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 8647 Mbps
Operating Frequency	5.18 GHz ~ 5.32 GHz (Radio 1) 5.5 GHz ~ 5.72 GHz (Radio 2) 5.745 GHz ~ 5.825 GHz (Radio 2)
Number of Channel	5180 ~ 5320 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 4 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 2 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160): 1 5500 ~ 5720 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 6 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 3 802.11ac (VHT160), 802.11ax (HE160), 802.11 be (EHT160): 1 802.11be (EHT240): 1 5745 ~ 5825 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11 be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1
Output Power	CDD Mode: 5180 ~ 5320 MHz : 29.66 dBm (924.334 mW) 5500 ~ 5720 MHz : 23.74 dBm (236.706 mW) 5745 ~ 5825 MHz : 29.74 dBm (942.781 mW) Beamforming Mode: 5180 ~ 5320 MHz : 29.62 dBm (915.863 mW) 5500 ~ 5720 MHz : 23.74 dBm (236.706 mW) 5745 ~ 5825 MHz : 29.69 dBm (930.544 mW)
EUT Category	Indoor Access Point

Note:

1. All models are listed as below.

Brand	Product	Model	Difference
NETGEAR	Quad-band WiFi 7 Orbi 9 Router	RBE971	DFS Function: Master With 10G Internet port*1, 10G Ethernet port*1, Lan port*4
	Quad-band WiFi 7 Orbi 9 Satellite	RBE970	DFS Function: Master & Client (Easy Mech) With 10G Ethernet port*1, Lan port*2
Note: This product have two different colors of housing (black & white) for marketing purpose			

2. The EUT uses following accessories.

AC Adapter 1			
Brand	Model	Part Number	Specification
NETGEAR	2AEC060K 1	332-11586-01	AC Input : 100-240V ~ 50/60Hz 1.7A DC Output : 19.0V, 3.16A 60.0W DC Output Cable : 1.8m non-shielded and without core Plug : US/ISED Color: White
AC Adapter 2			
Brand	Model	Part Number	Specification
NETGEAR	AD2003F10	332-11488-02	AC Input : 100-240V ~ 50/60Hz 1.5A DC Output : 19.0V, 3.16A 60.0W DC Output Cable : 1.8m non-shielded and without core Plug : US/ISED Color: White
AC Adapter 3			
Brand	Model	Part Number	Specification
NETGEAR	2AEC060K 1	332-11578-01	AC Input : 100-240V ~ 50/60Hz 1.7A DC Output : 19.0V, 3.16A 60.0W DC Output Cable : 1.8m non-shielded and without core Plug : US/ISED Color: Black
AC Adapter 4			
Brand	Model	Part Number	Specification
NETGEAR	AD2003F10	332-11480-02	AC Input : 100-240V ~ 50/60Hz 1.5A DC Output : 19.0V, 3.16A 60.0W DC Output Cable : 1.8m non-shielded and without core Plug : US/ISED Color: Black
Ethernet Cable			
Brand	Model	Specification	
NETGEAR	312-10146-01	Signal Line : 2m, Unshielded	

* Adapter 1 & 3, 2 & 4 are same PA vendor with same category, the design is the same, only difference is color.

3. Simultaneously transmission condition.

Condition	Technology			
1	WLAN (2.4GHz)	WLAN (5GHz Radio 1)	WLAN (5GHz Radio 2)	WLAN (6GHz)
2	WLAN (2.4GHz)	WLAN (5GHz Radio 1)	WLAN (5.9GHz Radio 2)	WLAN (6GHz)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.				

4. 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 Type	Dipole
Connector Type	ipex(MHF)
Antenna Gain	Directional Gain (dBi)
2400~2483.5 MHz	6.14
5150~5250 MHz	6.33
5250~5350 MHz	6.32
5470~5725 MHz	6.25
5725~5850 MHz	6.29

* The detailed antenna information, please refer to the BV CPS report no.: RFBBQZ-WTW-P22100778.

2. The EUT incorporates a MIMO function:

5 GHz Band			
Modulation Mode	Beamforming Mode	TX & RX Configuration	
802.11a	Not Support	4TX	4RX
802.11n (HT20)	Support	4TX	4RX
802.11n (HT40)	Support	4TX	4RX
802.11ac (VHT20)	Support	4TX	4RX
802.11ac (VHT40)	Support	4TX	4RX
802.11ac (VHT80)	Support	4TX	4RX
802.11ac (VHT160)	Support	4TX	4RX
802.11ax (HE20)	Support	4TX	4RX
802.11ax (HE40)	Support	4TX	4RX
802.11ax (HE80)	Support	4TX	4RX
802.11ax (HE160)	Support	4TX	4RX
802.11be (EHT20)	Support	4TX	4RX
802.11be (EHT40)	Support	4TX	4RX
802.11be (EHT80)	Support	4TX	4RX
802.11be (EHT160)	Support	4TX	4RX
802.11be (EHT240)	Support	4TX	4RX

Note:
1. 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.
2. 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 manufacturer will control the power for 802.11n/ac/ax mode is same as the 802.11be mode or more lower than it and investigated worst case to representative mode in test report.
3. The EUT device modulation technique OFDMA does not support partial RUs (resource units) and channel puncturing/bandwidth reduction mechanisms.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

1 straddle channel is provided for 802.11be (EHT240):

Channel	Frequency
114+138	5610 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The AC Adapter has the following models: 2AEC060K 1 / AD2003F10. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2. EUT can be used in the following ways: XYZ 3-axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	1. AC Adapter Worst Condition: AD2003F10 2. X / Y / Z Worst Condition: Z axis.

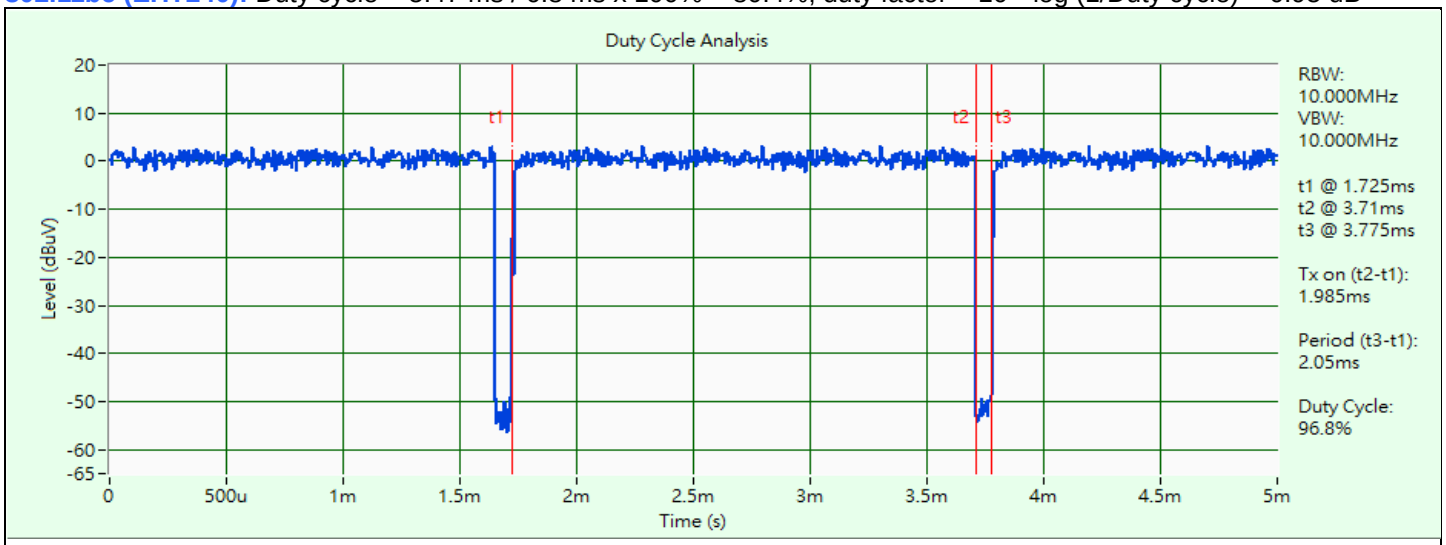
Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11be (EHT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11be (EHT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11be (EHT80)	CDD	58, 106, 122, 138	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
RF Output Power	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD & Beamforming	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD & Beamforming	114+138	BPSK	MCS0
Power Spectral Density	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0

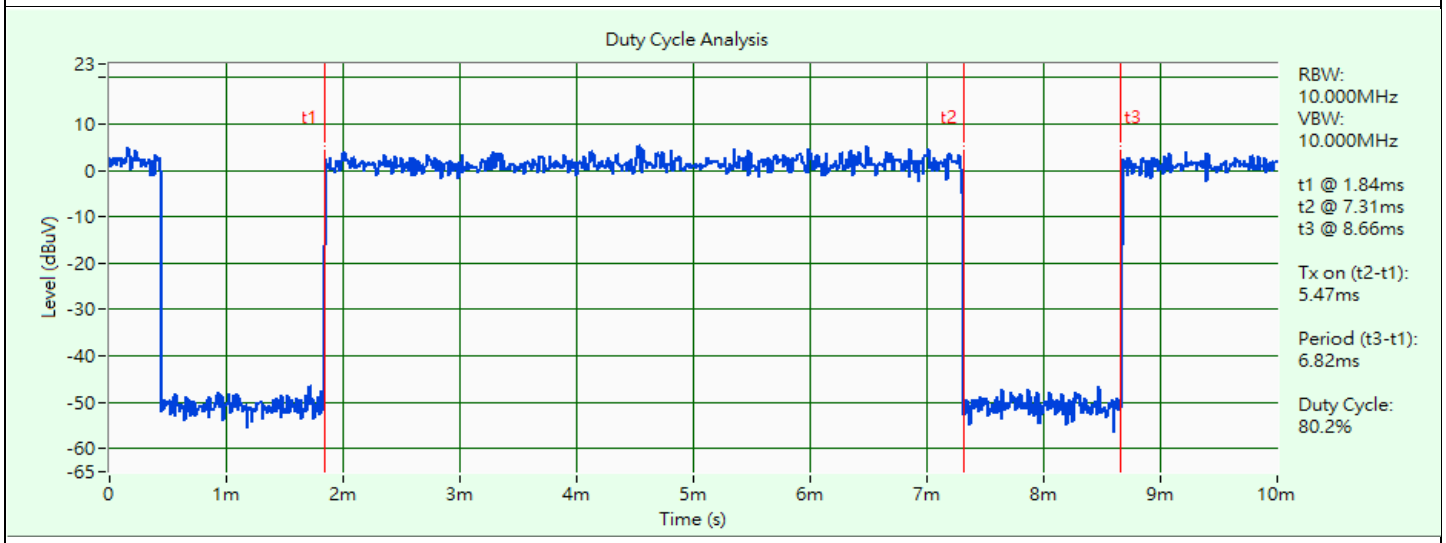
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	A	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	138, 155	BPSK	MCS0
		802.11be (EHT240)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
Frequency Stability	A	802.11a	-	36	un-modulation	-
AC Power Conducted Emissions	A, B	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11be (EHT160)	CDD	50, 114	BPSK	MCS0
		802.11be (EHT240)	CDD	114+138	BPSK	MCS0
EUT Configure Mode:	A	EUT (RBE971) + AC Adapter 2 (AD2003F10)				
	B	EUT (RBE970) + AC Adapter 2 (AD2003F10)				

3.5 Duty Cycle of Test Signal

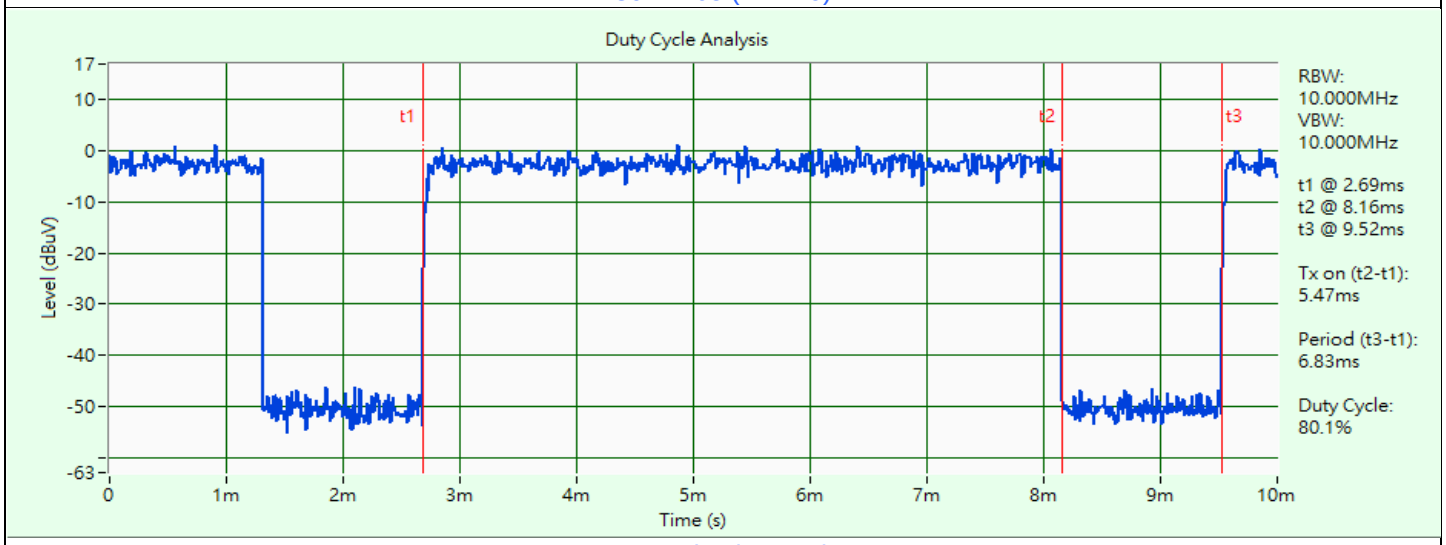
802.11a: Duty cycle = 1.985 ms / 2.05 ms x 100% = 96.8%, duty factor = 10 * log (1/Duty cycle) = 0.14 dB
802.11be (EHT20): Duty cycle = 5.47 ms / 6.82 ms x 100% = 80.2%, duty factor = 10 * log (1/Duty cycle) = 0.96 dB
802.11be (EHT40): Duty cycle = 5.47 ms / 6.83 ms x 100% = 80.1%, duty factor = 10 * log (1/Duty cycle) = 0.96 dB
802.11be (EHT80): Duty cycle = 5.46 ms / 6.84 ms x 100% = 79.8%, duty factor = 10 * log (1/Duty cycle) = 0.98 dB
802.11be (EHT160): Duty cycle = 5.47 ms / 6.82 ms x 100% = 80.2%, duty factor = 10 * log (1/Duty cycle) = 0.96 dB
802.11be (EHT240): Duty cycle = 5.47 ms / 6.8 ms x 100% = 80.4%, duty factor = 10 * log (1/Duty cycle) = 0.95 dB



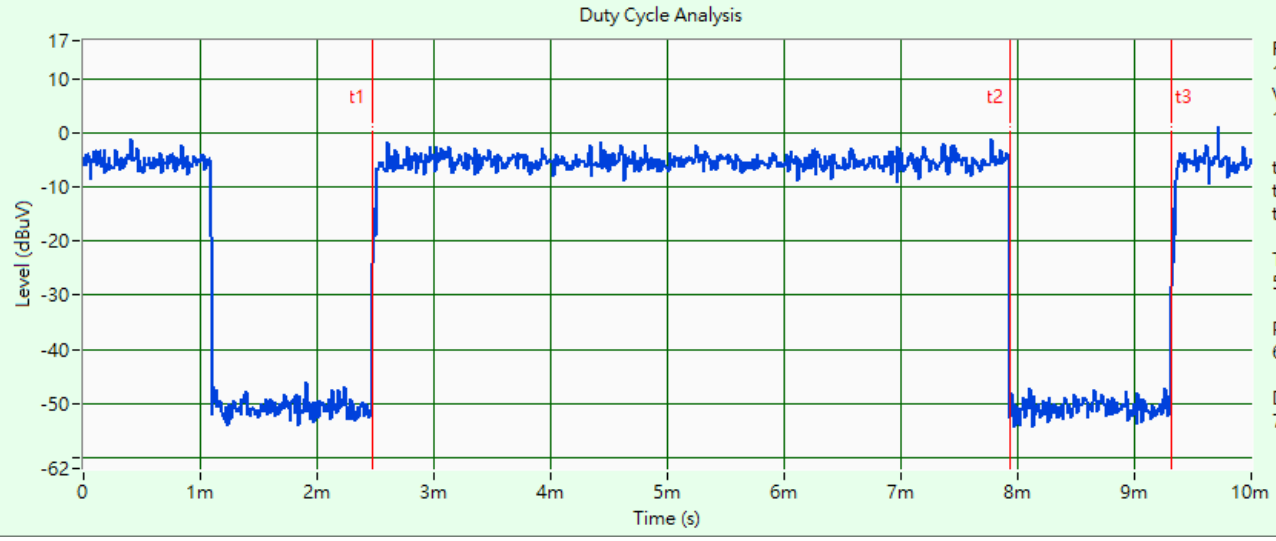
802.11a



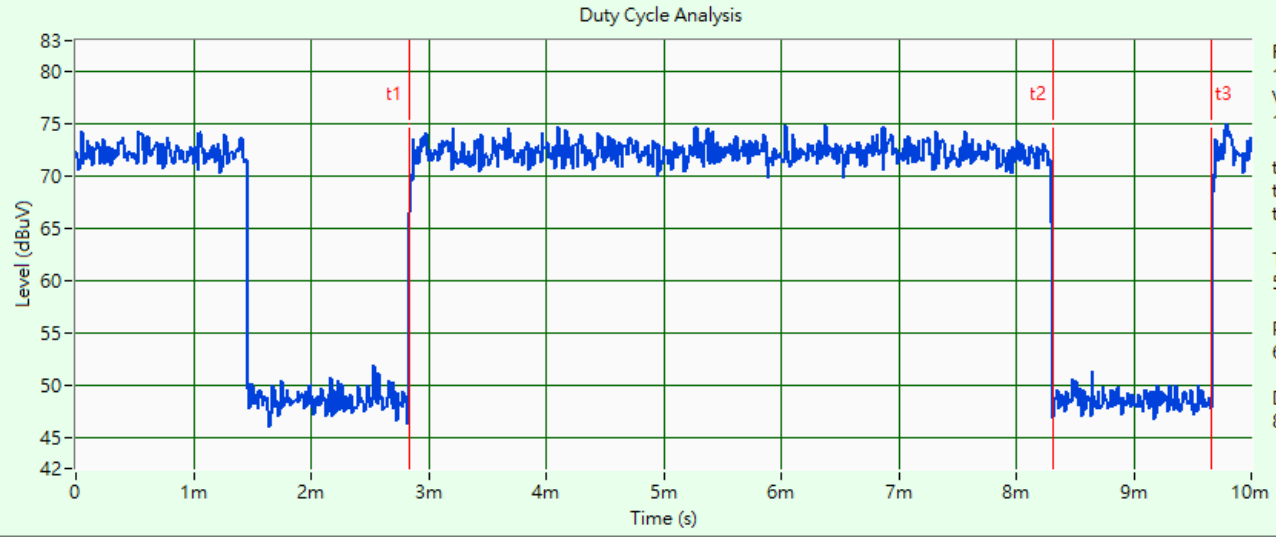
802.11be (EHT20)



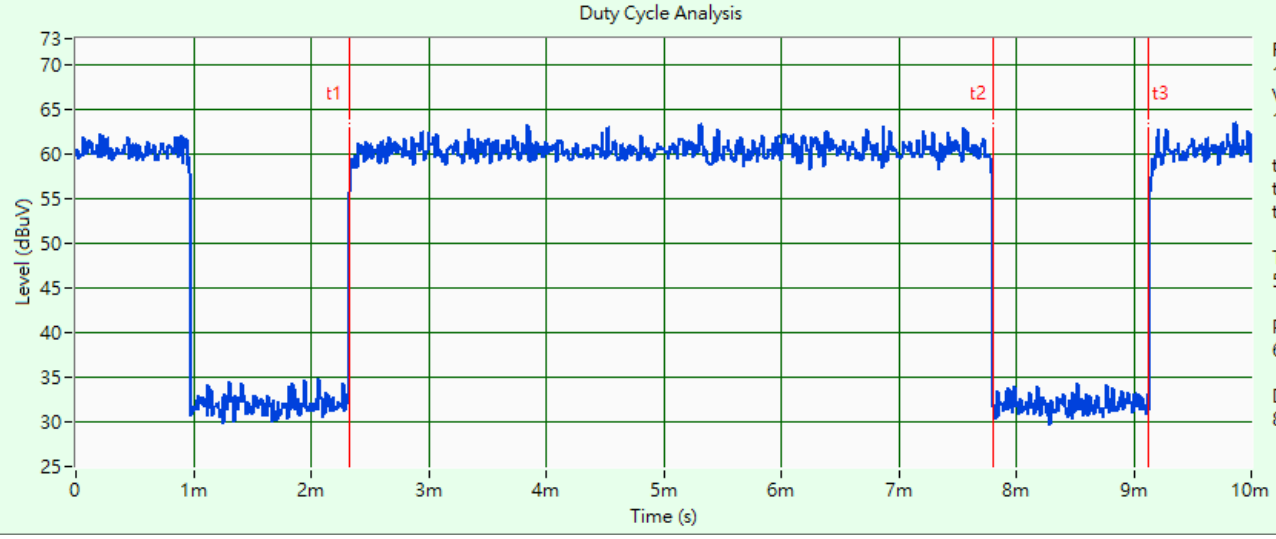
802.11be (EHT40)



802.11be (EHT80)



802.11be (EHT160)



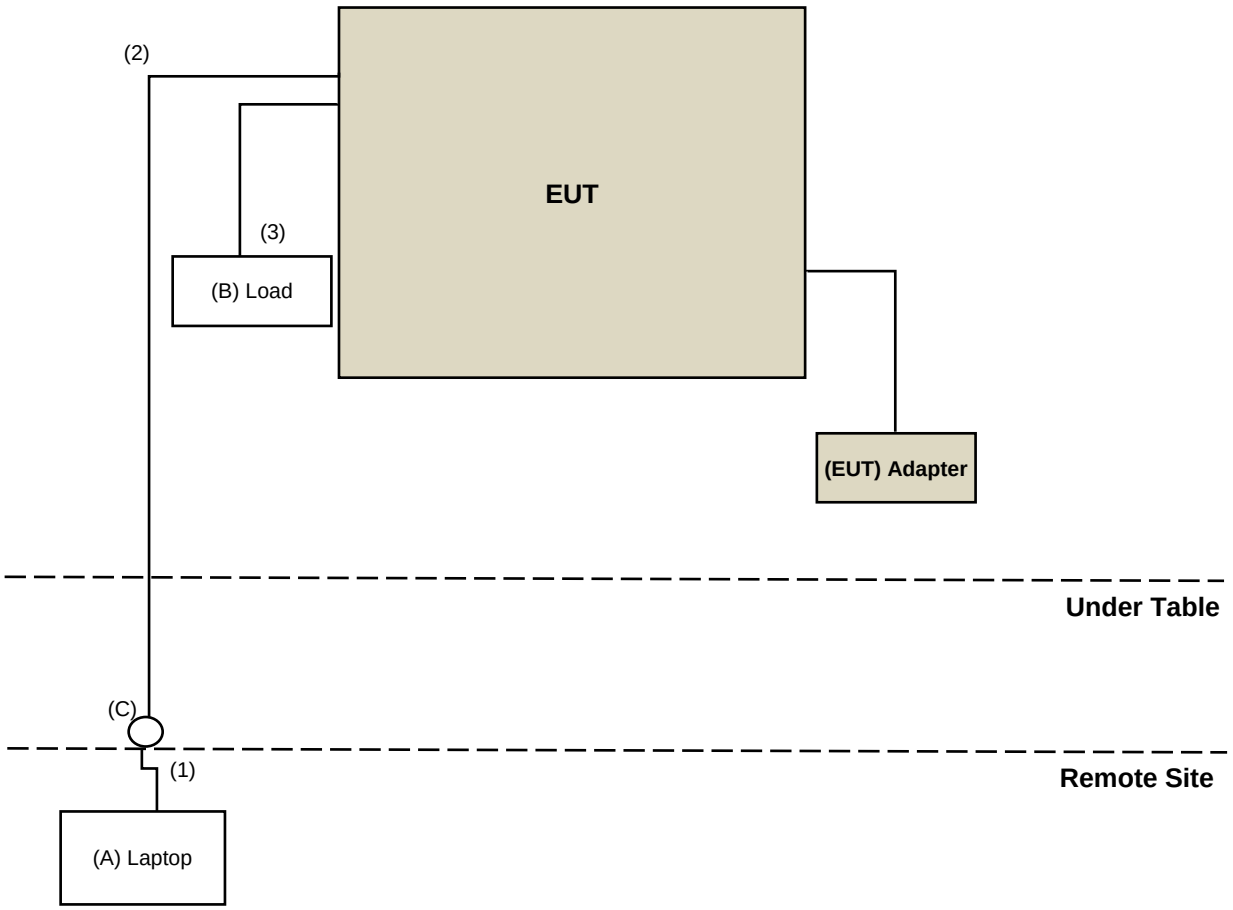
802.11be (EHT240)

3.6 Test Program Used and Operation Descriptions

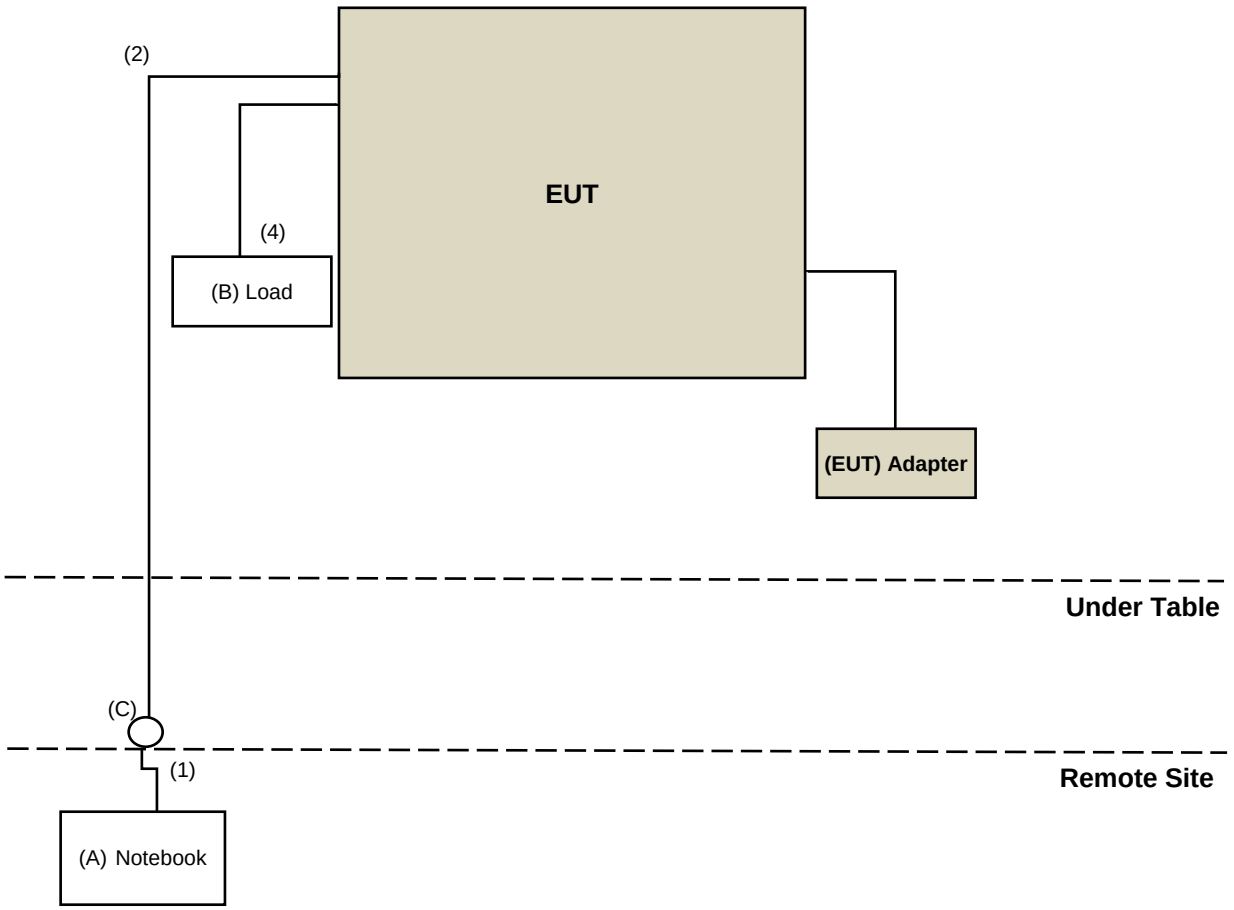
Controlling software QSPR Version 5.0-00202 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	DELL	E5430	2RL3YW1	N/A	Provided by Lab
B	Load	N/A	N/A	N/A	N/A	Provided by Lab
C	LAN connector	N/A	N/A	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	N	N	Provided by Lab
2	RJ-45 Cable	1	2	N	N	Accessory of EUT
3	RJ-45 Cable	5	1.5	N	N	Provided by Lab
4	RJ-45 Cable	2	1.5	N	N	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/5/10 ~ 2023/5/17

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Signal and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	2022/7/13	2023/7/12

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/5/10 ~ 2023/5/17

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC power supply JIN YIH Technology	6905S	1720444	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Signal and spectrum analyzer R&S	FSV3044	101105	2023/2/22	2024/2/21
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/5/10 ~ 2023/5/17

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
LISN R&S	ESH3-Z5	100311	2022/9/12	2023/9/11
LISN ROHDE & SCHWARZ	ENV216	101826	2023/3/23	2024/3/22
RF Coaxial Cable WOKEN	5D-FB	Cable-cond1-01	2023/1/7	2024/1/6
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
Test Receiver Rohde&Schwarz	ESCI	100613	2022/12/5	2023/12/4
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2022/8/31	2023/8/30

Notes:

1. The test was performed in HY - Conduction 1.
2. Tested Date: 2023/5/15 ~ 2023/5/17

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarbeck	VULB9168	9168-155	2022/10/21	2023/10/20
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
Pre_Amplifier Agilent	8447D	2944A10631	2022/5/14	2023/5/13
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/1/7	2024/1/6
RF Coaxial Cable WOKEN	8D-FB	Cable-CH4-01	2022/7/9	2023/7/8
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2023/3/17

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	9120D	9120D-408	2021/11/14	2022/11/13
			2022/11/13	2023/11/12
	BBHA 9170	9170-480	2021/11/14	2022/11/13
			2022/11/13	2023/11/12
		BBHA9170241	2022/10/20	2023/10/19
		BBHA9170243	2021/11/14	2022/11/13
			2022/11/13	2023/11/12
Pre-Ammlifier EMCI	EMC 184045	980116	2022/10/1	2023/9/30
Pre_Amplifier KEYSIGHT	83017A	MY53270295	2022/5/14	2023/5/13
RF cable HUBER+SUHNER	Sucoflex 104	MY 13380+295012/04	2022/5/14	2023/5/13
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2022/7/9	2023/7/8
	EMC102-KM-KM-3000	150929	2022/7/9	2023/7/8
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2022/5/14	2023/5/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2023/1/10	2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2022/11/2 ~ 2023/3/16

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 ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Point	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Mobile and Portable client device	250mW (24 dBm)

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

*B is the 26 dB emission bandwidth in megahertz

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

The frequency of the carrier signal shall be maintained within band of operation.

5.7 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.

5.8 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).

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

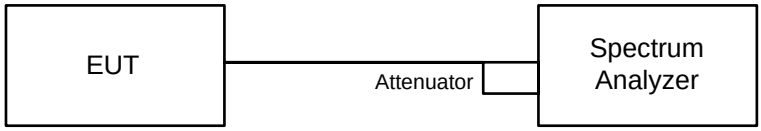
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

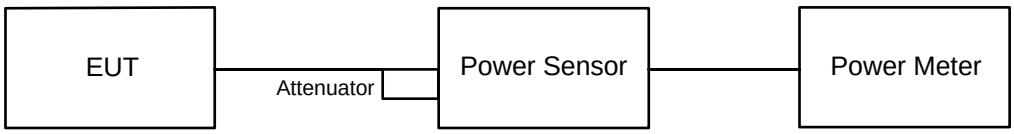


6.1.2 Test Procedure

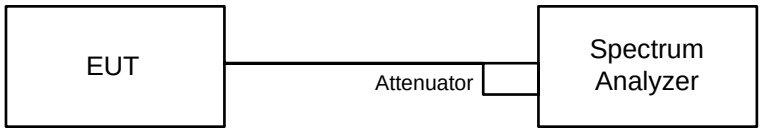
a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

For channel straddling:

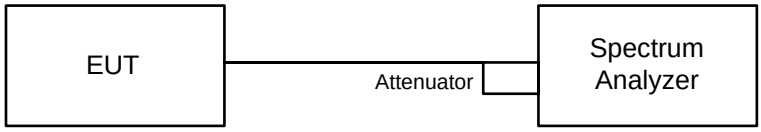
Method SA-2A

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Manually set sweep time ≥ 10 × (number of points in sweep) × (total on/off period of the transmitted signal).
e. Perform a single sweep.
f. Record the max value and add 10 log (1/duty cycle).

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-2

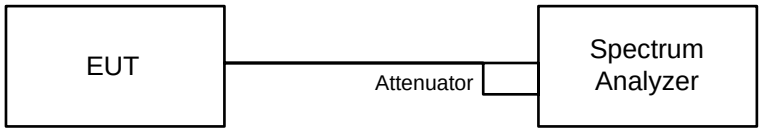
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
g. Record the max value and add 10 log (1/duty cycle).

For specified measurement bandwidth 500 kHz:
Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

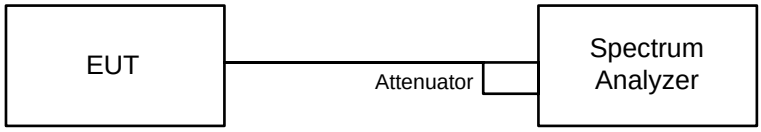


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

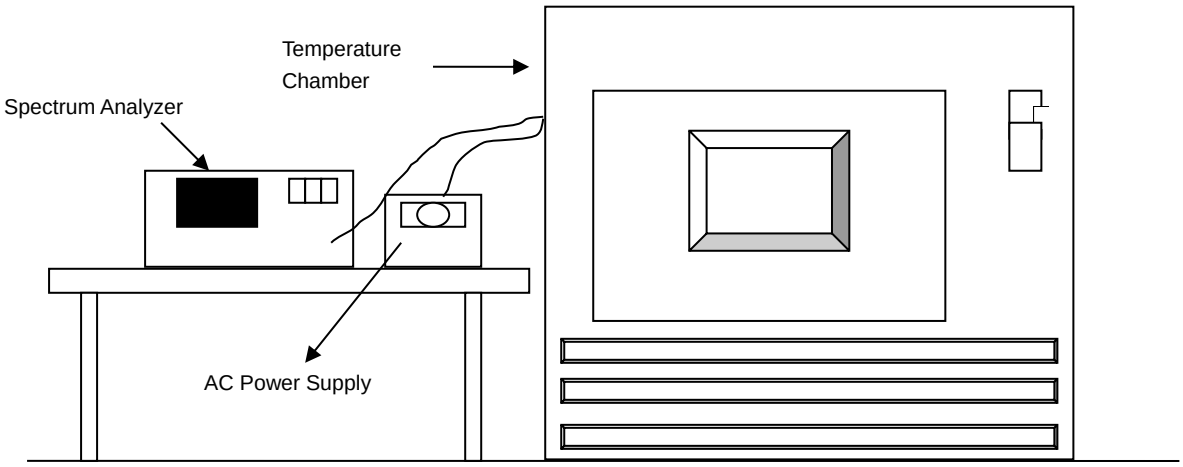


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

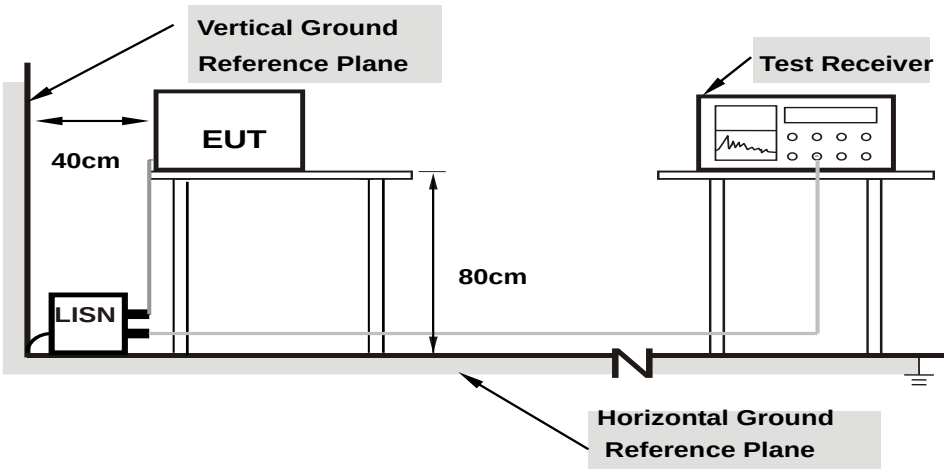


6.6.2 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
e. Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

6.7 AC Power Conducted Emissions

6.7.1 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).

6.7.2 Test Procedure

a. The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

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

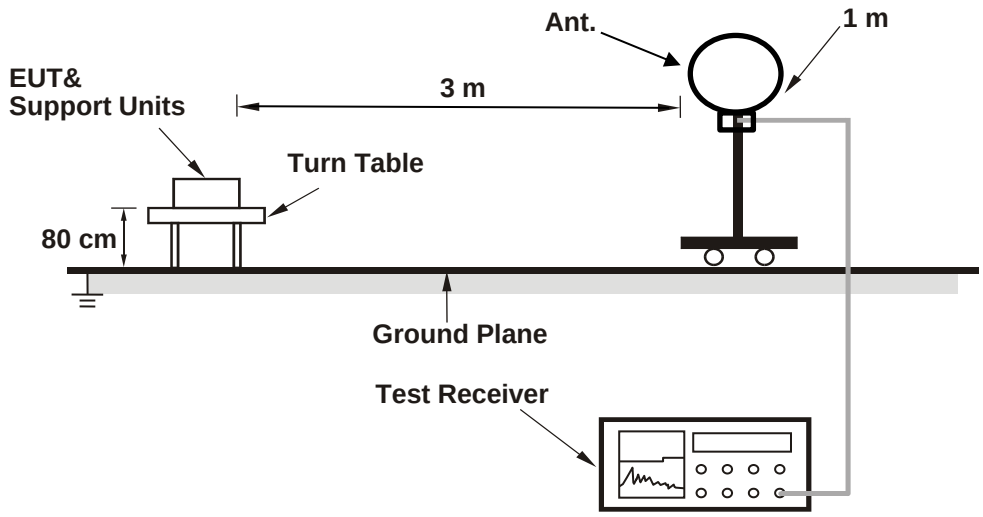
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

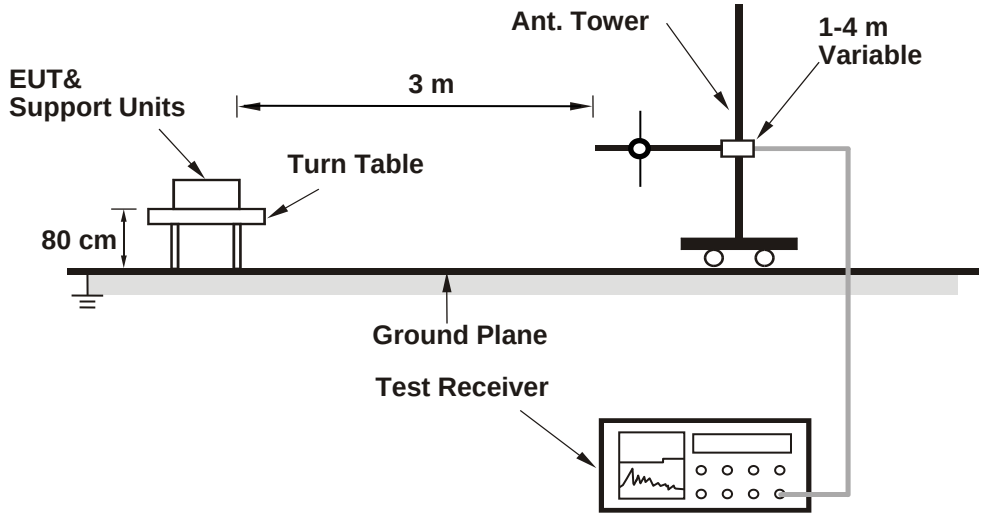
6.8 Unwanted Emissions below 1 GHz

6.8.1 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).

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

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

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

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

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

Notes:

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

For Radiated emission above 30 MHz

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

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

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

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

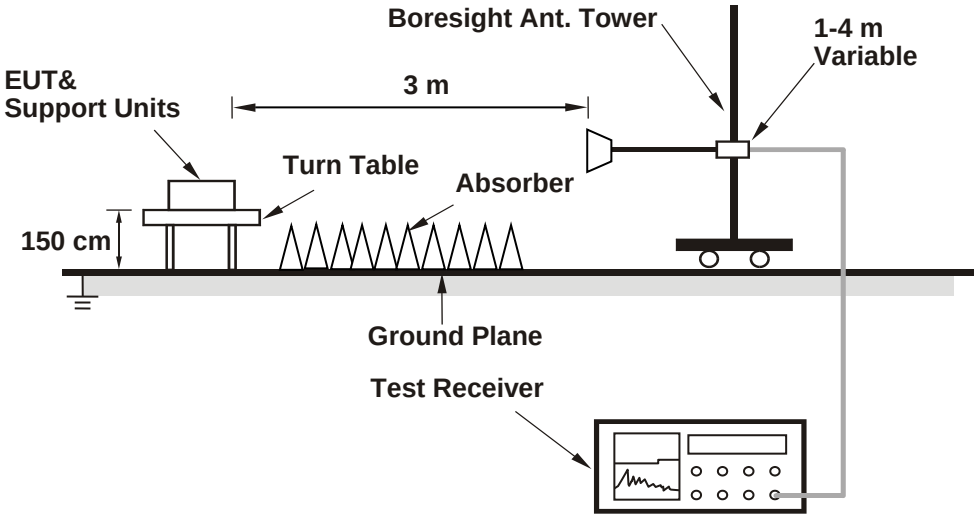
e. The test-receiver system was set to Quasi-peak(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP), Average detection (AV), Peak detection (PK) at frequency (30MHz to 1 GHz).
2. All modes of operation were investigated and the worst-case emissions are reported.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

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

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

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

e. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	22.91	22.86	22.90	23.24
60	5300	22.56	22.87	23.17	22.83
64	5320	22.90	22.93	22.94	22.77
100	5500	22.90	23.03	22.82	22.63
116	5580	22.61	22.92	23.09	22.83
140	5700	22.80	23.03	22.83	22.68
144 (U-NII-2C)	5720	16.44	16.42	16.26	16.41
144 (U-NII-3)	5720	6.37	6.46	6.70	6.38

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.86	24.59	>	24
60	5300	22.56	24.53	>	24
64	5320	22.77	24.57	>	24
100	5500	22.63	24.54	>	24
116	5580	22.61	24.54	>	24
140	5700	22.68	24.55	>	24
144 (U-NII-2C)	5720	16.26	23.11	<	24

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

802.11be (EHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	24.32	23.73	23.69	23.73
60	5300	23.66	23.03	22.90	23.37
64	5320	23.44	23.17	23.54	23.27
100	5500	23.03	23.68	22.95	23.43
116	5580	23.04	22.99	23.83	24.39
140	5700	23.02	23.09	23.69	24.72
144 (U-NII-2C)	5720	16.60	16.48	16.75	17.51
144 (U-NII-3)	5720	7.67	6.64	7.32	6.79

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	23.69	24.74	>	24
60	5300	22.90	24.59	>	24
64	5320	23.17	24.64	>	24
100	5500	22.95	24.6	>	24
116	5580	22.99	24.61	>	24
140	5700	23.02	24.62	>	24
144 (U-NII-2C)	5720	16.48	23.16	<	24

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

802.11be (EHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	45.73	44.90	45.73	45.42
62	5310	46.12	45.84	44.23	44.86
102	5510	45.42	46.27	45.77	45.57
110	5550	45.02	45.47	46.07	44.65
134	5670	45.39	45.63	44.38	46.18
142 (U-NII-2C)	5710	38.31	38.44	37.60	37.32
142 (U-NII-3)	5710	7.59	7.89	7.82	7.57

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	44.90	27.52	>	24
62	5310	44.23	27.45	>	24
102	5510	45.42	27.57	>	24
110	5550	44.65	27.49	>	24
134	5670	44.38	27.47	>	24
142 (U-NII-2C)	5710	37.32	26.71	>	24

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

802.11be (EHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	87.43	90.46	88.25	90.70
106	5530	88.13	88.47	90.34	89.19
122	5610	89.09	88.27	88.96	90.64
138 (U-NII-2C)	5690	80.45	80.79	80.67	79.94
138 (U-NII-3)	5690	10.97	9.60	10.67	10.72

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	87.43	30.41	>	24
106	5530	88.13	30.45	>	24
122	5610	88.27	30.45	>	24
138 (U-NII-2C)	5690	79.94	30.02	>	24

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

802.11be (EHT160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	87.38	88.11	88.66	87.20
50 (U-NII-2A)	5250	87.03	87.28	86.55	91.69
114	5570	175.28	174.01	173.09	174.08

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	86.55	30.37	>	24
114	5570	173.09	33.38	>	24

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

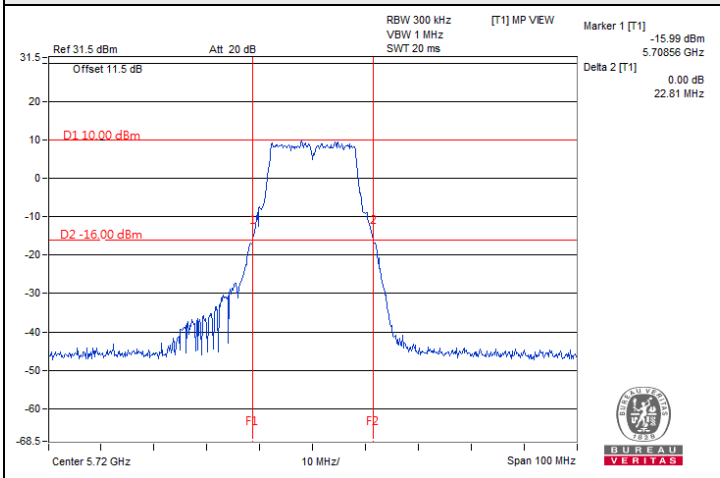
802.11be (EHT240)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114 + 138 (U-NII-2C)	5610	242.41	243.44	241.43	241.48
114 + 138 (U-NII-3)	5610	28.29	18.80	35.17	39.09

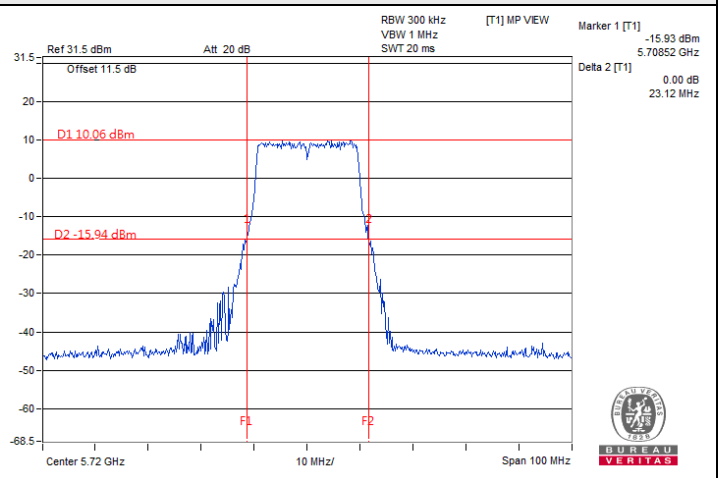
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
114 + 138 (U-NII-2C)	5610	241.43	34.82	>	24

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

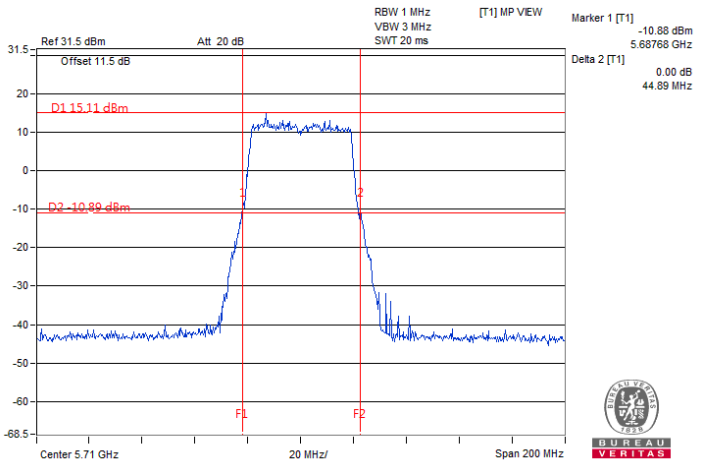
Spectrum Plot of Minimum Value



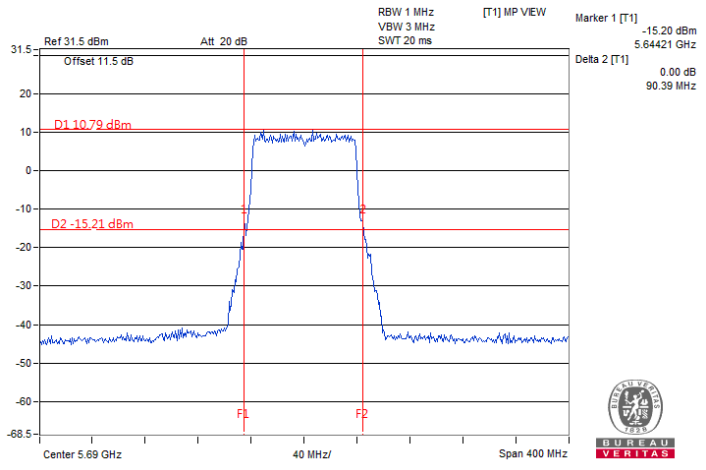
802.11a / Chain 0 : CH 144 (U-NII-3)



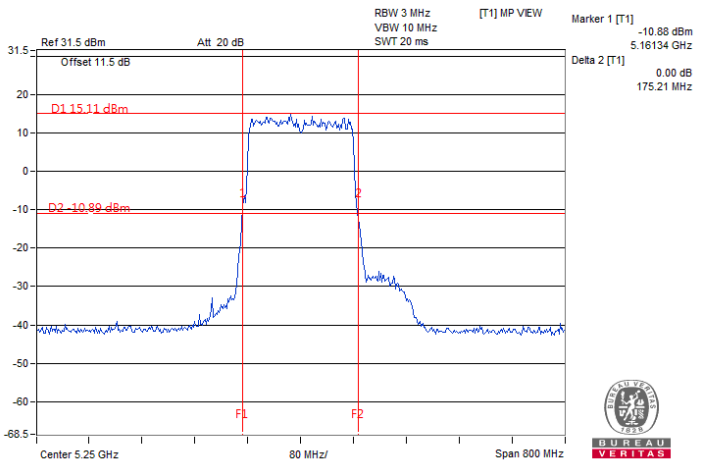
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



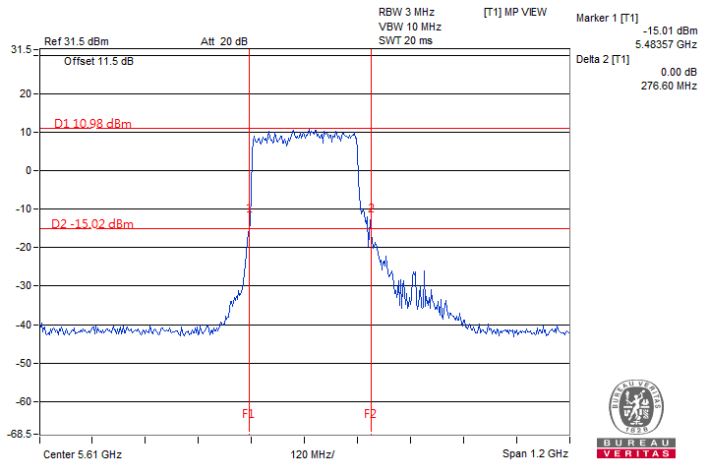
802.11be (EHT40) / Chain 3 : CH 142 (U-NII-3)



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



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



802.11be (EHT240) / Chain 2 : CH 114+138

Notes:

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

7.2 RF Output Power

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

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	22.04	22.85	23.23	22.18	728.282	28.62	30	Pass
40	5200	23.68	23.57	23.65	23.65	924.334	29.66	30	Pass
48	5240	23.66	23.47	23.82	23.40	914.371	29.61	30	Pass
52	5260	17.01	17.82	16.74	16.70	204.748	23.11	24	Pass
60	5300	16.93	17.85	16.77	16.75	205.12	23.12	24	Pass
64	5320	16.93	17.82	16.66	16.65	202.434	23.06	24	Pass
100	5500	17.16	17.20	16.98	16.83	202.564	23.07	24	Pass
116	5580	17.18	17.35	16.89	16.85	203.847	23.09	24	Pass
140	5700	17.20	17.24	16.92	16.95	204.196	23.10	24	Pass
*144 (U-NII-2C)	5720	15.87	16.00	15.55	15.62	155.754	21.92	23.11	Pass
*144 (U-NII-3)	5720	9.96	10.08	9.63	9.71	39.897	16.01	30	Pass
149	5745	23.98	23.31	23.95	23.62	942.781	29.74	30	Pass
157	5785	23.72	23.01	23.69	23.36	886.145	29.48	30	Pass
165	5825	23.83	23.09	24.10	23.48	925.133	29.66	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 2.27 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 2.53 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 2.96 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	23.03	23.05	23.31	23.04	818.407	29.13	30	Pass
40	5200	22.95	23.97	23.66	23.46	900.795	29.55	30	Pass
48	5240	23.66	23.61	23.55	23.57	915.863	29.62	30	Pass
52	5260	16.91	17.82	16.94	16.62	204.976	23.12	24	Pass
60	5300	16.93	17.97	16.74	16.79	206.938	23.16	24	Pass
64	5320	16.81	17.96	17.09	16.57	207.053	23.16	24	Pass
100	5500	17.04	17.43	16.96	17.01	205.811	23.13	24	Pass
116	5580	17.07	17.36	16.84	17.10	204.975	23.12	24	Pass
140	5700	17.02	17.37	16.94	16.97	204.131	23.10	24	Pass
*144 (U-NII-2C)	5720	15.62	16.12	15.66	15.59	187.567	22.73	23.16	Pass
*144 (U-NII-3)	5720	10.73	11.40	10.22	10.06	57.718	17.61	30	Pass
149	5745	23.85	23.04	23.97	23.60	922.58	29.65	30	Pass
157	5785	23.91	23.09	24.00	23.61	930.544	29.69	30	Pass
165	5825	23.93	23.13	23.97	23.56	929.207	29.68	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 2.27 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 2.53 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 2.96 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	19.26	20.49	20.59	19.54	400.778	26.03	30	Pass
46	5230	23.35	23.75	23.22	23.81	903.739	29.56	30	Pass
54	5270	17.32	18.20	17.12	16.98	221.432	23.45	24	Pass
62	5310	17.26	17.94	17.11	16.69	213.511	23.29	24	Pass
102	5510	17.69	17.54	17.12	17.03	217.492	23.37	24	Pass
110	5550	17.59	17.80	17.31	17.08	222.545	23.47	24	Pass
134	5670	17.55	17.82	17.23	17.03	220.73	23.44	24	Pass
*142 (U-NII-2C)	5710	16.65	16.92	16.39	16.26	226.327	23.55	24	Pass
*142 (U-NII-3)	5710	7.52	7.83	7.35	6.95	27.599	14.41	30	Pass
151	5755	23.53	23.20	23.19	24.41	918.86	29.63	30	Pass
159	5795	23.70	23.16	23.54	24.02	919.729	29.64	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.27 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.53 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.96 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	18.41	18.45	18.35	18.40	276.901	24.42	30	Pass
58	5290	17.39	17.92	16.66	17.05	213.816	23.30	24	Pass
106	5530	17.65	17.51	17.21	17.20	219.657	23.42	24	Pass
122	5610	17.69	17.92	17.15	17.30	226.276	23.55	24	Pass
*138 (U-NII-2C)	5690	16.92	17.12	16.38	16.51	236.706	23.74	24	Pass
*138 (U-NII-3)	5690	5.46	5.57	5.34	5.06	17.222	12.36	30	Pass
155	5775	22.95	23.37	22.68	22.48	776.876	28.90	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.27 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.53 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.96 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
*50 (U-NII-1)	5250	16.88	17.10	16.61	16.33	235.404	23.72	30	Pass
*50 (U-NII-2A)	5250	16.72	16.52	15.96	16.11	214.626	23.32	24	Pass
114	5570	18.18	17.69	17.22	17.12	228.761	23.59	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.27 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.53 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT240)

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				
114+138 (U-NII-2C)	5610	16.76	16.33	15.88	15.82	207.976	23.18	24	Pass
114+138 (U-NII-3)	5610	-1.13	-1.04	-1.16	-2.13	3.6497	5.62	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-2C, the maximum gain is 2.53 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-3, the maximum gain is 2.96 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	23.03	23.05	23.31	23.04	818.407	29.13	29.67	Pass
40	5200	22.95	23.97	23.66	23.46	900.795	29.55	29.67	Pass
48	5240	23.66	23.61	23.55	23.57	915.863	29.62	29.67	Pass
52	5260	16.91	17.82	16.94	16.62	204.976	23.12	23.68	Pass
60	5300	16.93	17.97	16.74	16.79	206.938	23.16	23.68	Pass
64	5320	16.81	17.96	17.09	16.57	207.053	23.16	23.68	Pass
100	5500	17.04	17.43	16.96	17.01	205.811	23.13	23.75	Pass
116	5580	17.07	17.36	16.84	17.10	204.975	23.12	23.75	Pass
140	5700	17.02	17.37	16.94	16.97	204.131	23.10	23.75	Pass
*144 (U-NII-2C)	5720	15.62	16.12	15.66	15.59	187.567	22.73	22.91	Pass
*144 (U-NII-3)	5720	10.73	11.40	10.22	10.06	57.718	17.61	29.71	Pass
149	5745	23.85	23.04	23.97	23.60	922.58	29.65	29.71	Pass
157	5785	23.91	23.09	24.00	23.61	930.544	29.69	29.71	Pass
165	5825	23.93	23.13	23.97	23.56	929.207	29.68	29.71	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.33-6) = 29.67 dBm.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.32-6)].
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.25-6)].
6. For U-NII-3, the directional gain is 6.29 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.29-6) = 29.71 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				
38	5190	19.26	20.49	20.59	19.54	400.778	26.03	29.67	Pass
46	5230	23.35	23.75	23.22	23.81	903.739	29.56	29.67	Pass
54	5270	17.32	18.20	17.12	16.98	221.432	23.45	23.68	Pass
62	5310	17.26	17.94	17.11	16.69	213.511	23.29	23.68	Pass
102	5510	17.69	17.54	17.12	17.03	217.492	23.37	23.75	Pass
110	5550	17.59	17.80	17.31	17.08	222.545	23.47	23.75	Pass
134	5670	17.55	17.82	17.23	17.03	220.73	23.44	23.75	Pass
*142 (U-NII-2C)	5710	16.65	16.92	16.39	16.26	226.327	23.55	23.75	Pass
*142 (U-NII-3)	5710	7.52	7.83	7.35	6.95	27.599	14.41	29.71	Pass
151	5755	23.53	23.20	23.19	24.41	918.86	29.63	29.71	Pass
159	5795	23.70	23.16	23.54	24.02	919.729	29.64	29.71	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.33-6) = 29.67 dBm.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.32-6)].
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.25-6)].
6. For U-NII-3, the directional gain is 6.29 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.29-6) = 29.71 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				
42	5210	18.41	18.45	18.35	18.40	276.901	24.42	29.67	Pass
58	5290	17.39	17.92	16.66	17.05	213.816	23.30	23.68	Pass
106	5530	17.65	17.51	17.21	17.20	219.657	23.42	23.75	Pass
122	5610	17.69	17.92	17.15	17.30	226.276	23.55	23.75	Pass
*138 (U-NII-2C)	5690	16.92	17.12	16.38	16.51	236.706	23.74	23.75	Pass
*138 (U-NII-3)	5690	5.46	5.57	5.34	5.06	17.222	12.36	29.71	Pass
155	5775	22.95	23.37	22.68	22.48	776.876	28.90	29.71	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.33-6) = 29.67 dBm.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.32-6)].
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.25-6)].
6. For U-NII-3, the directional gain is 6.29 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.29-6) = 29.71 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	16.88	17.10	16.61	16.33	235.404	23.72	29.67	Pass
*50 (U-NII-2A)	5250	16.72	16.52	15.96	16.11	214.626	23.32	23.68	Pass
114	5570	18.18	17.69	17.22	17.12	228.761	23.59	23.75	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.33-6) = 29.67 dBm.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.32-6)].
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.25-6)].

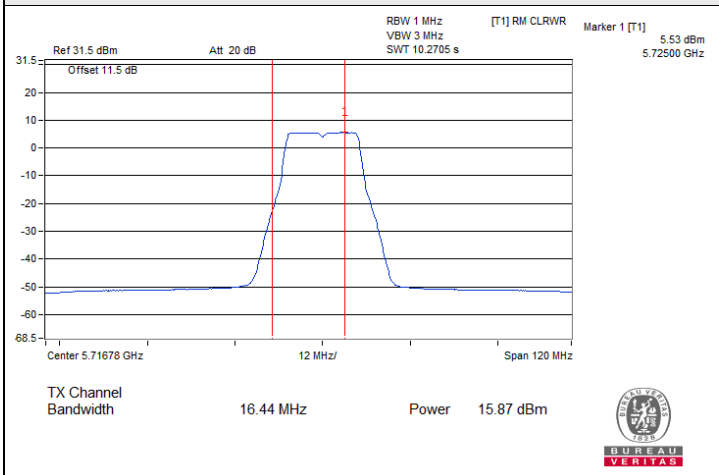
802.11be (EHT240) Beamforming

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				
114+138 (U-NII-2C)	5610	15.23	14.89	14.41	14.36	148.021	21.70	23.75	Pass
114+138 (U-NII-3)	5610	-2.66	-2.52	-2.65	-3.61	2.5864	4.13	29.71	Pass

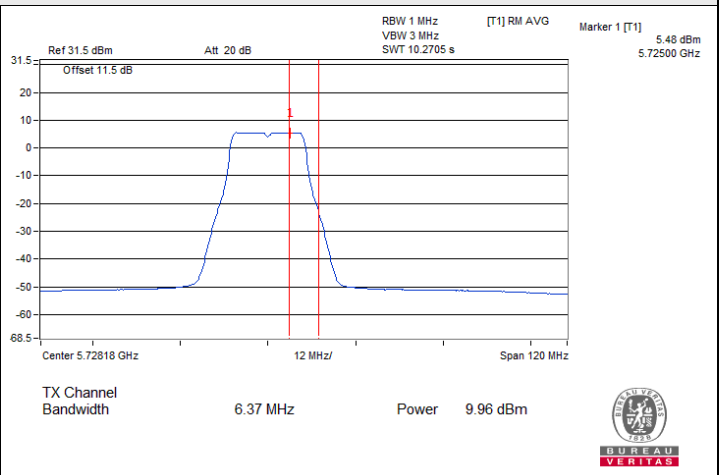
Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.25-6)].
3. For U-NII-3, the directional gain is 6.29 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.29-6) = 29.71 dBm.

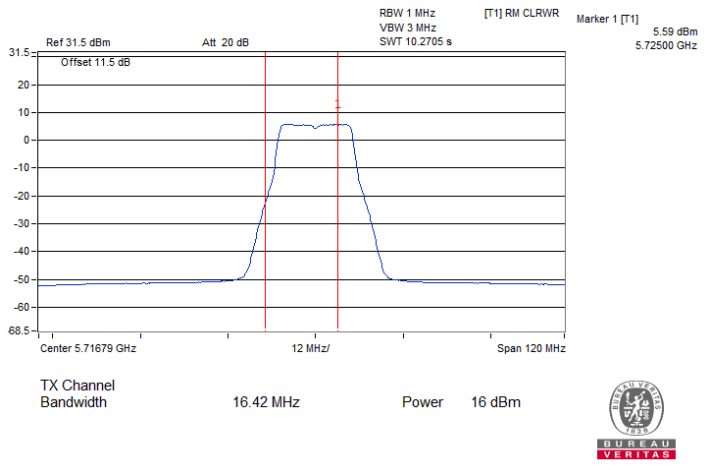
Spectrum Plot for channel straddling



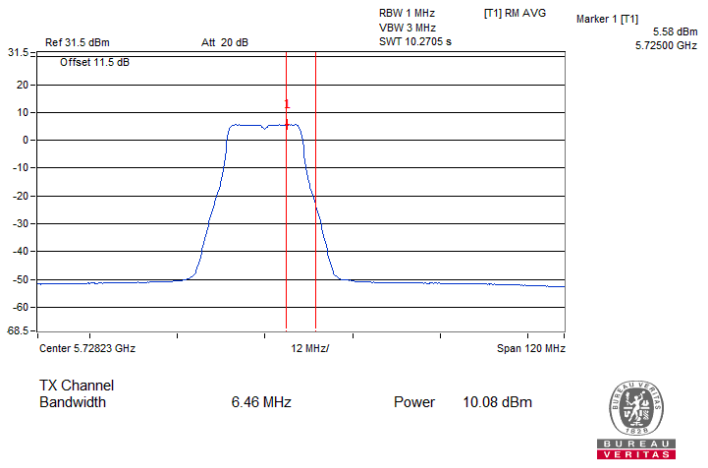
802.11a / Chain 0 : CH 144 (U-NII-2C)



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

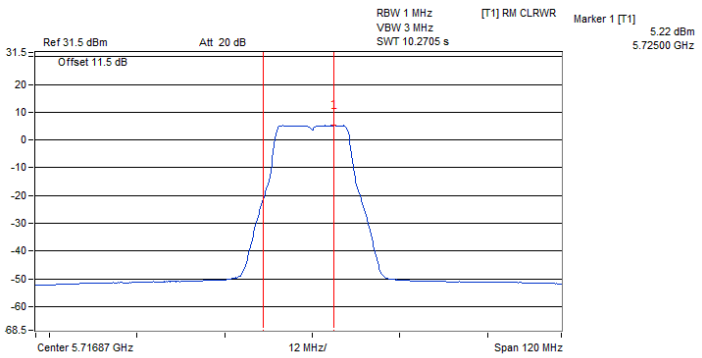


802.11a / Chain 1 : CH 144 (U-NII-2C)



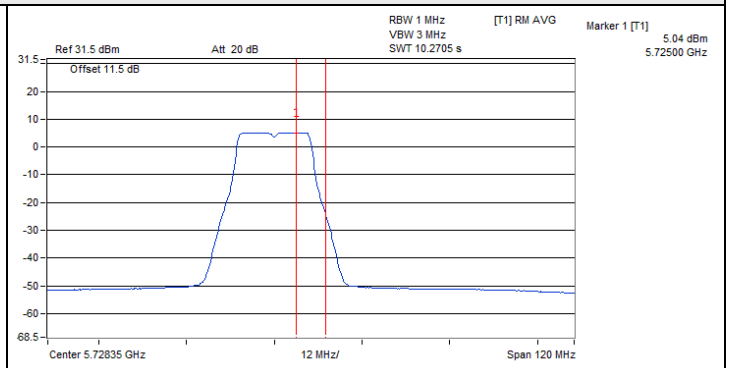
802.11a / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



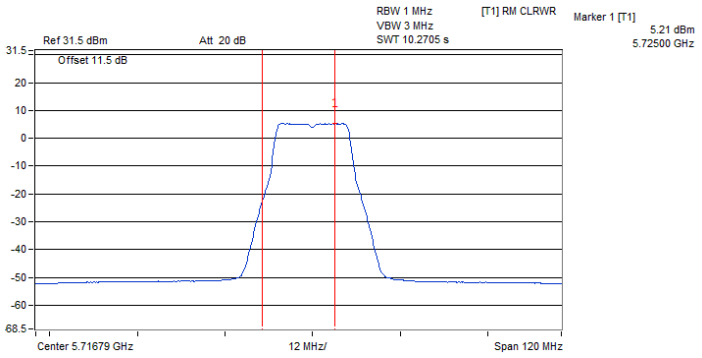
TX Channel Bandwidth 16.26 MHz Power 15.55 dBm

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



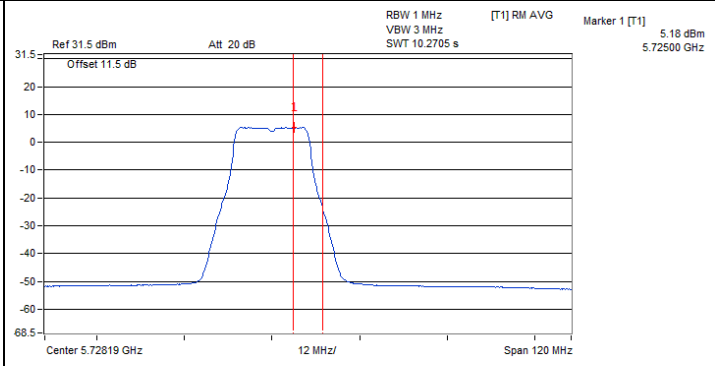
TX Channel Bandwidth 6.7 MHz Power 9.63 dBm

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



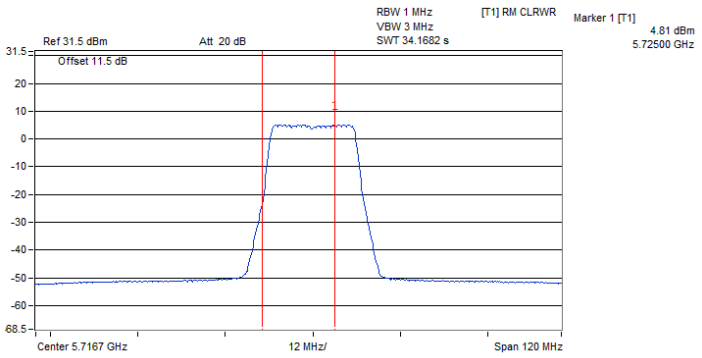
TX Channel Bandwidth 16.41 MHz Power 15.62 dBm

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



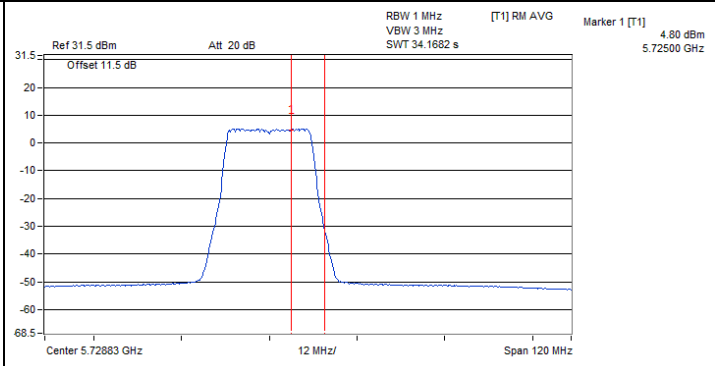
TX Channel Bandwidth 6.38 MHz Power 9.71 dBm

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



TX Channel Bandwidth 16.6 MHz Power 15.62 dBm

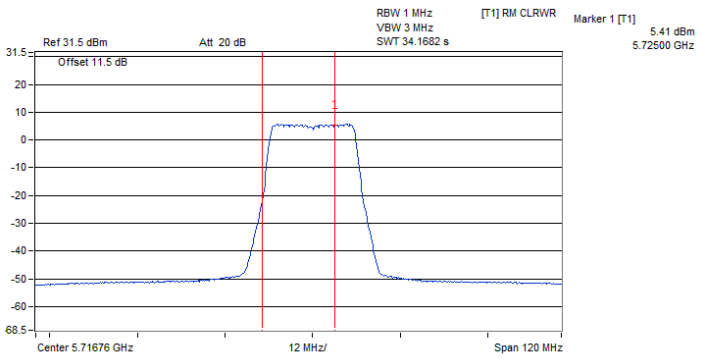
802.11be (EHT20) / Chain 0 : CH 144 (U-NII-2C)



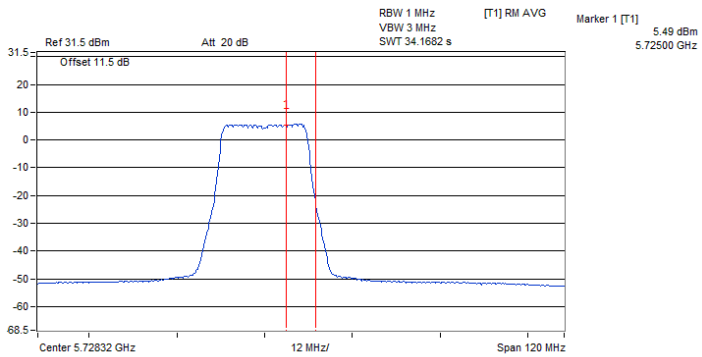
TX Channel Bandwidth 7.67 MHz Power 10.73 dBm

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

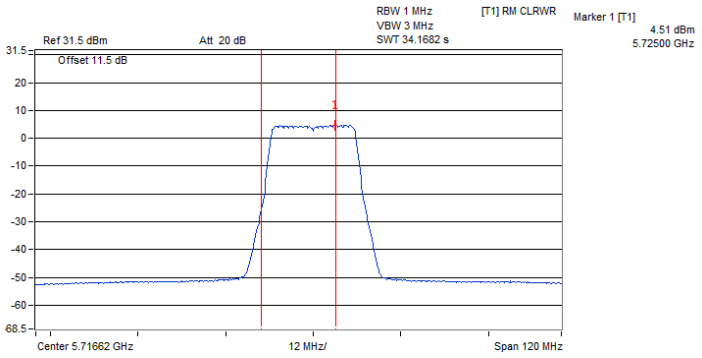
Spectrum Plot for channel straddling



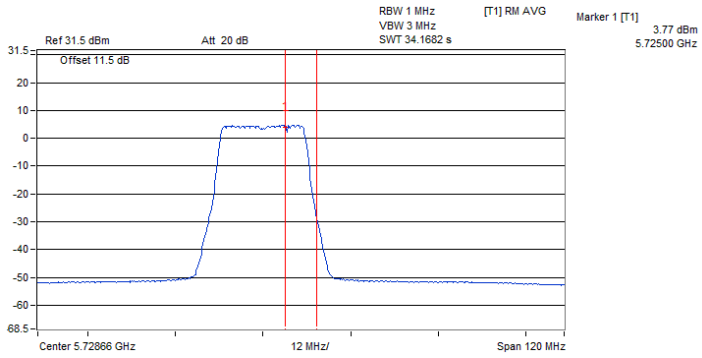
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-2C)



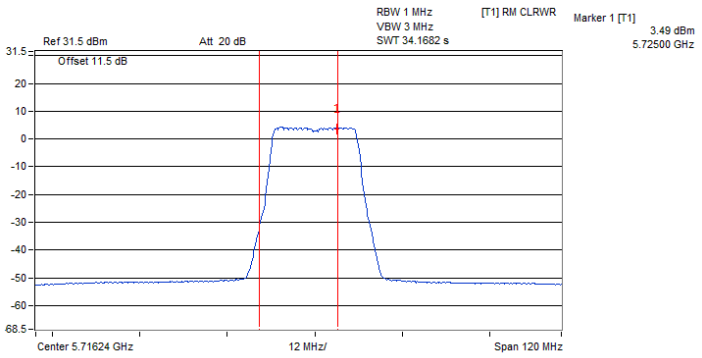
802.11be (EHT20) / Chain 1 : CH 144 (U-NII-3)



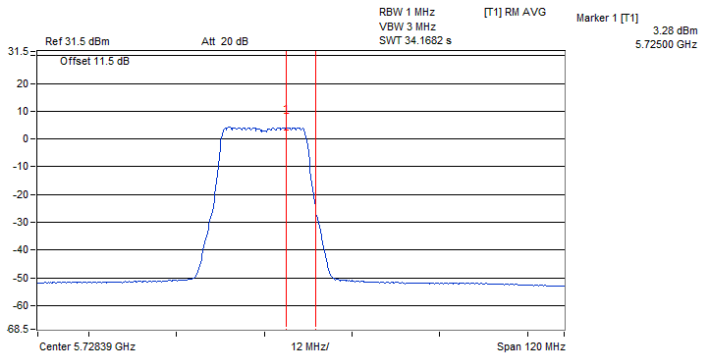
802.11be (EHT20) / Chain 2 : CH 144 (U-NII-2C)



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

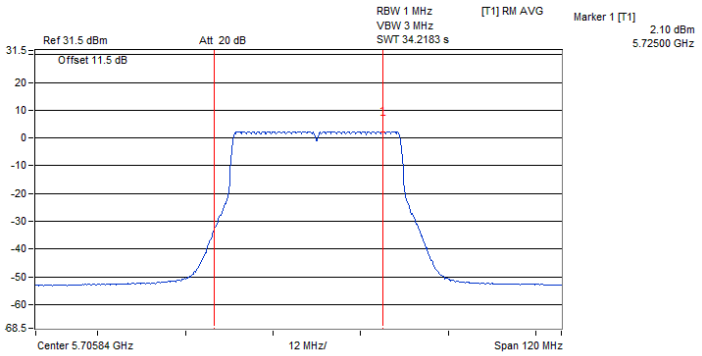


802.11be (EHT20) / Chain 3 : CH 144 (U-NII-2C)

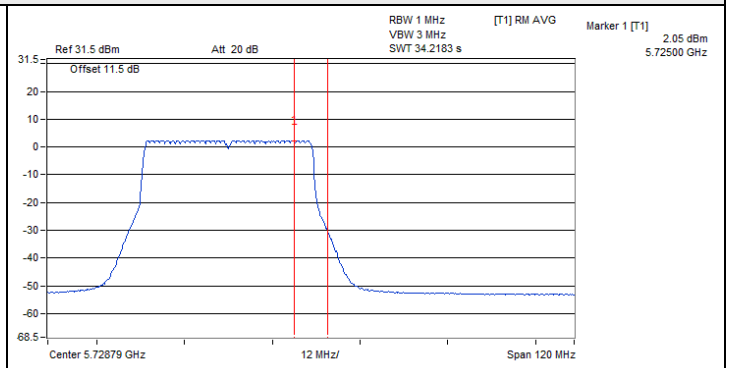


802.11be (EHT20) / Chain 3 : CH 144 (U-NII-3)

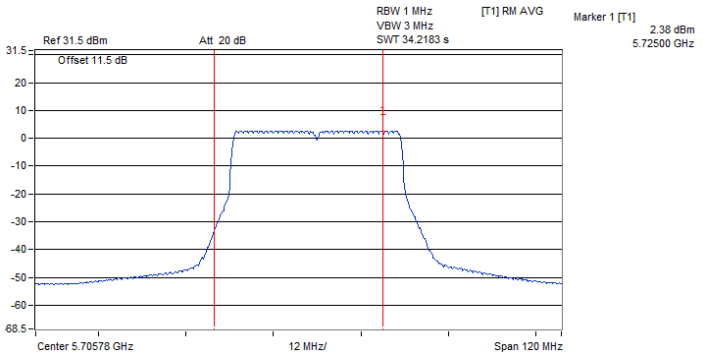
Spectrum Plot for channel straddling



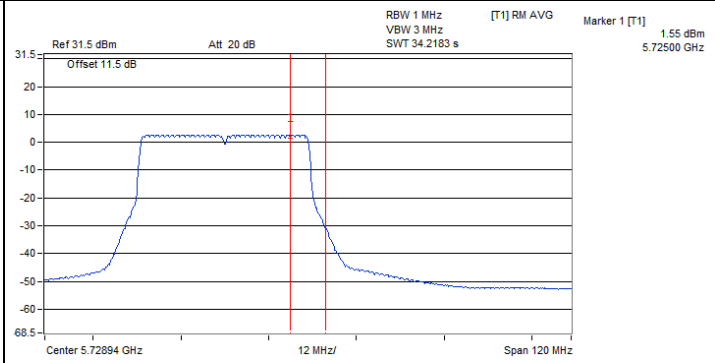
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-2C)



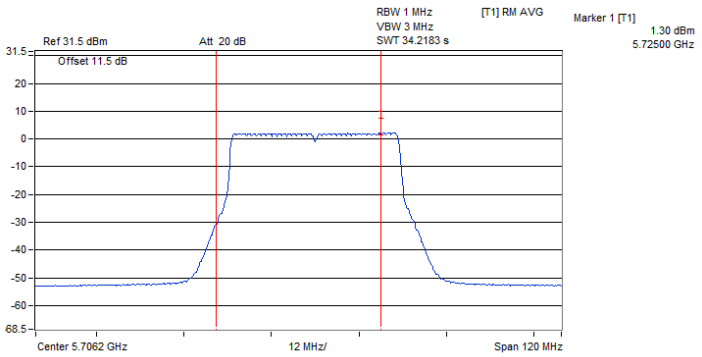
802.11be (EHT40) / Chain 0 : CH 142 (U-NII-3)



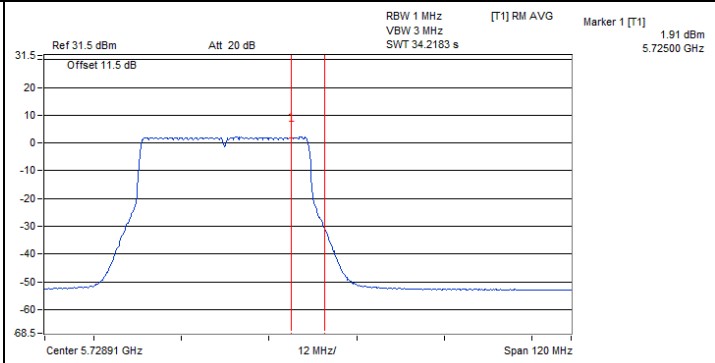
802.11be (EHT40) / Chain 1 : CH 142 (U-NII-2C)



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

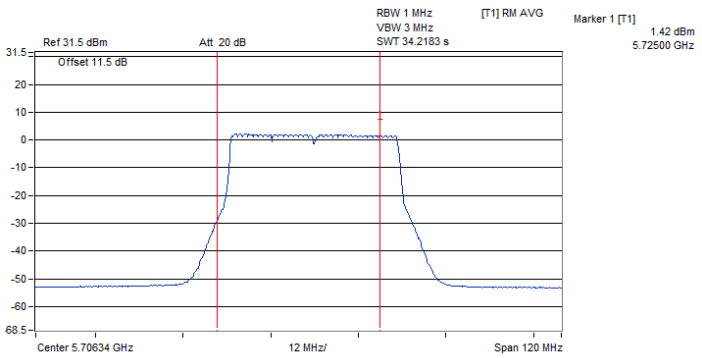


802.11be (EHT40) / Chain 2 : CH 142 (U-NII-2C)

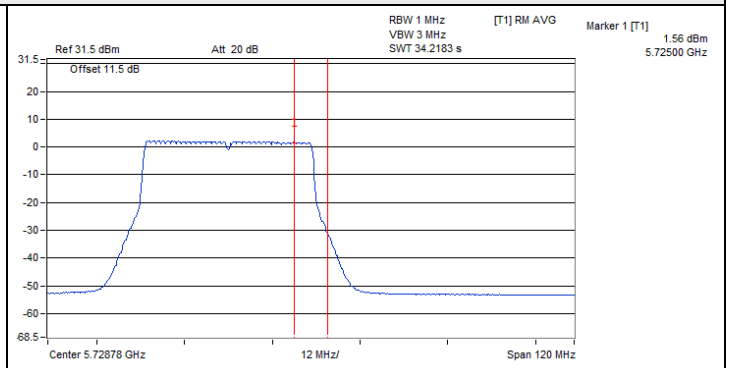


802.11be (EHT40) / Chain 2 : CH 142 (U-NII-3)

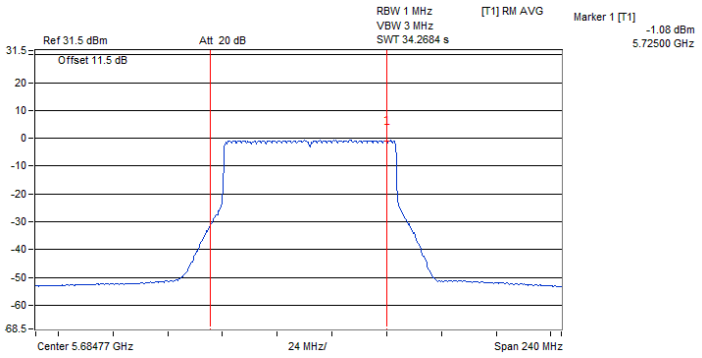
Spectrum Plot for channel straddling



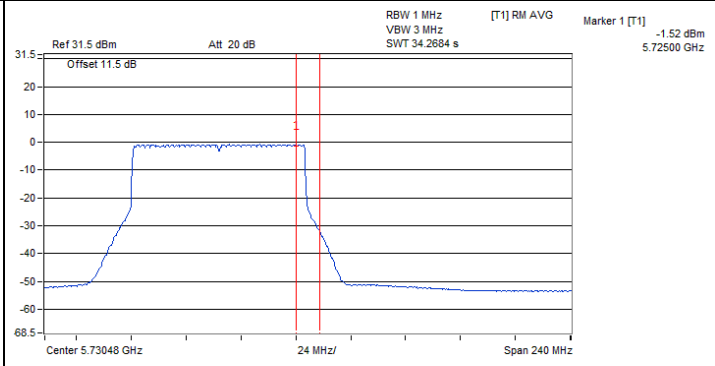
802.11be (EHT40) / Chain 3 : CH 142 (U-NII-2C)



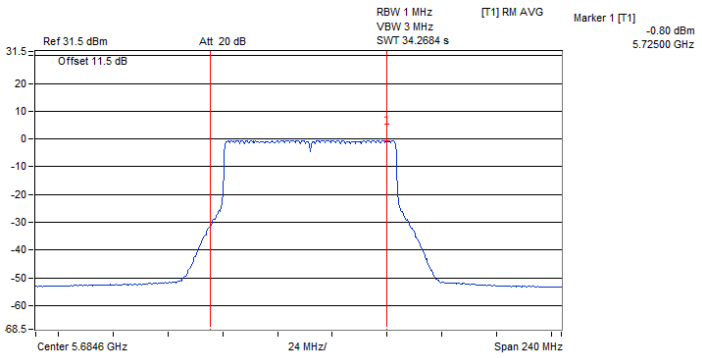
802.11be (EHT40) / Chain 3 : CH 142 (U-NII-3)



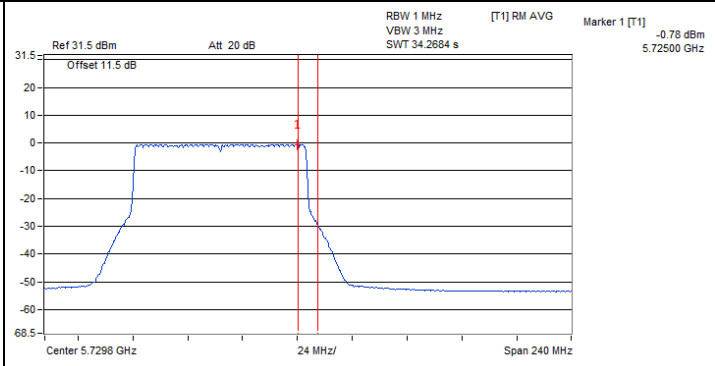
802.11be (EHT80) / Chain 0 : CH 138 (U-NII-2C)



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

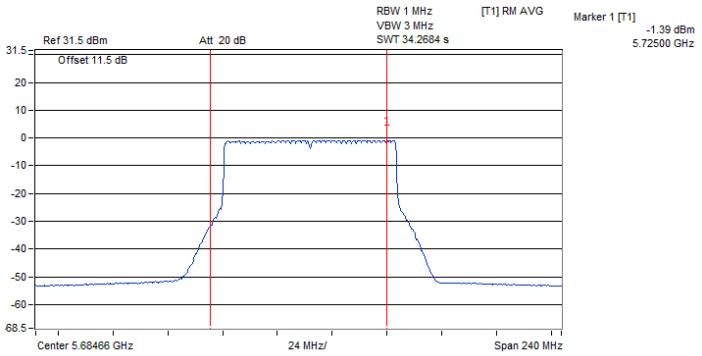


802.11be (EHT80) / Chain 1 : CH 138 (U-NII-2C)



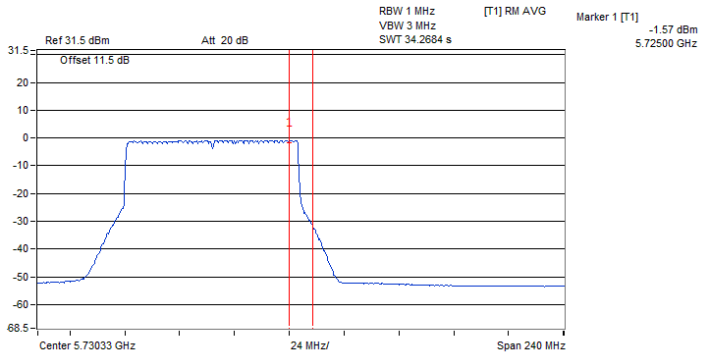
802.11be (EHT80) / Chain 1 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



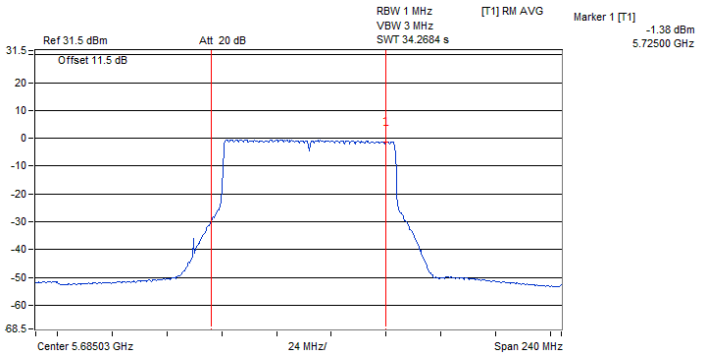
TX Channel Bandwidth 80.67 MHz Power 16.38 dBm

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



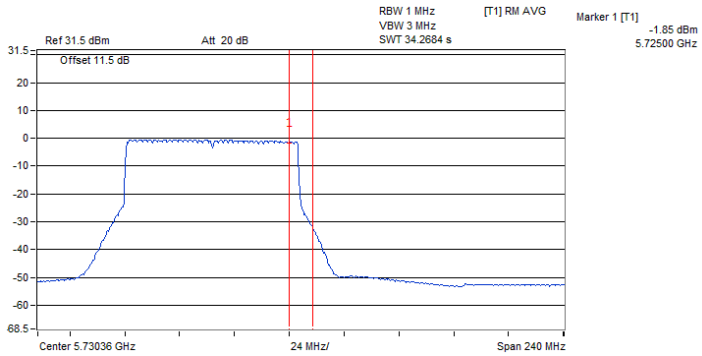
TX Channel Bandwidth 10.67 MHz Power 5.34 dBm

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



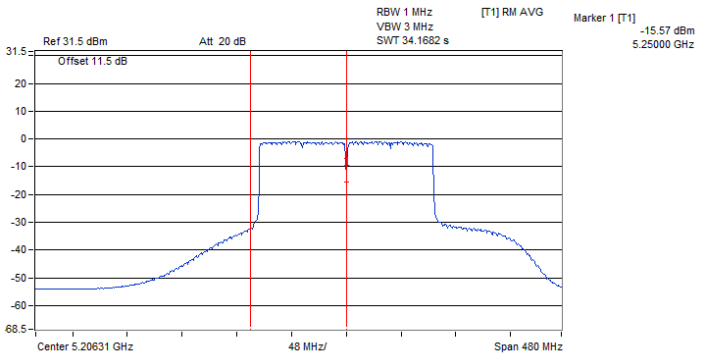
TX Channel Bandwidth 79.94 MHz Power 16.51 dBm

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



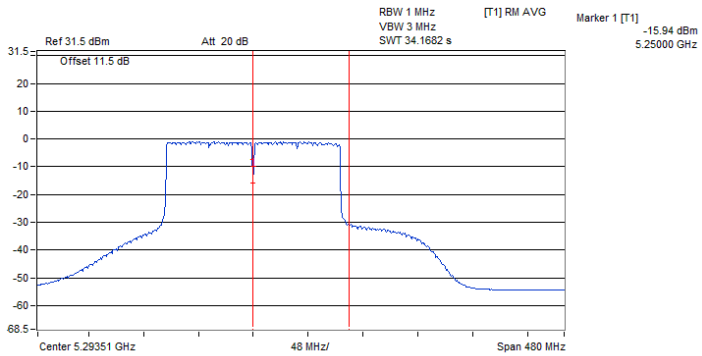
TX Channel Bandwidth 10.72 MHz Power 5.06 dBm

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



TX Channel Bandwidth 87.38 MHz Power 16.88 dBm

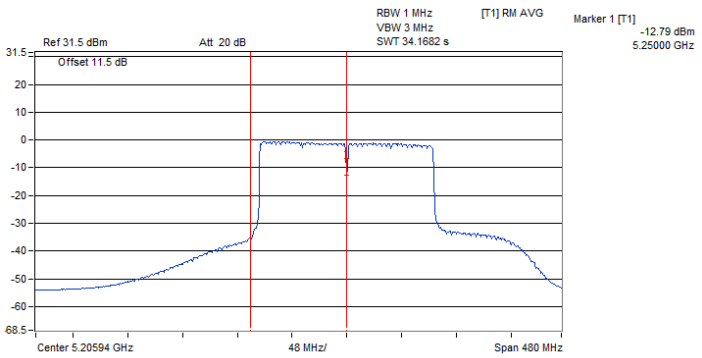
802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)



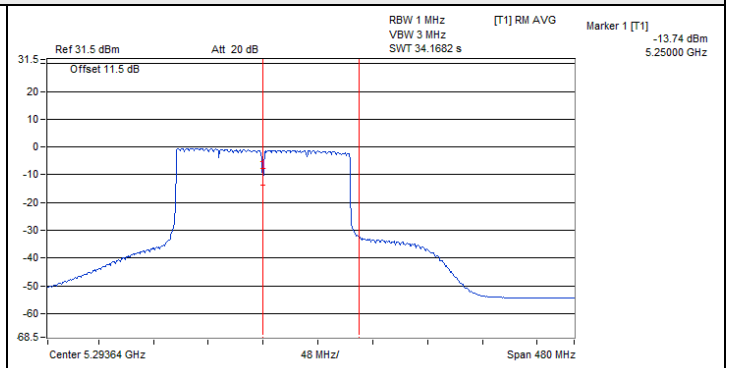
TX Channel Bandwidth 87.03 MHz Power 16.72 dBm

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

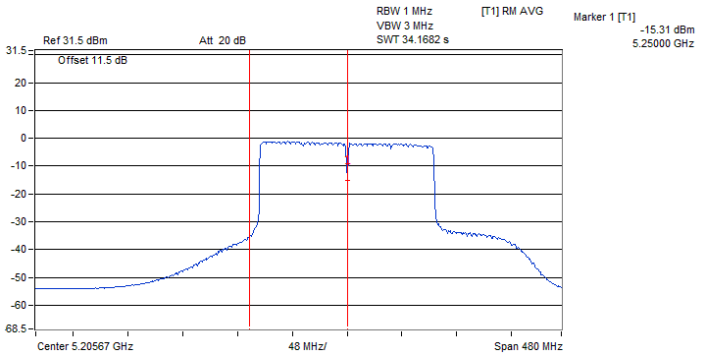
Spectrum Plot for channel straddling



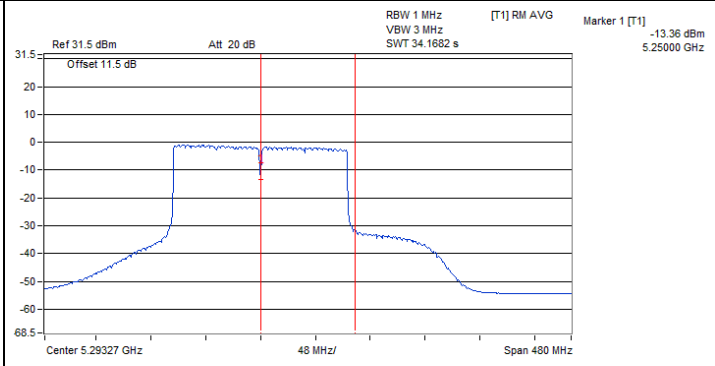
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-1)



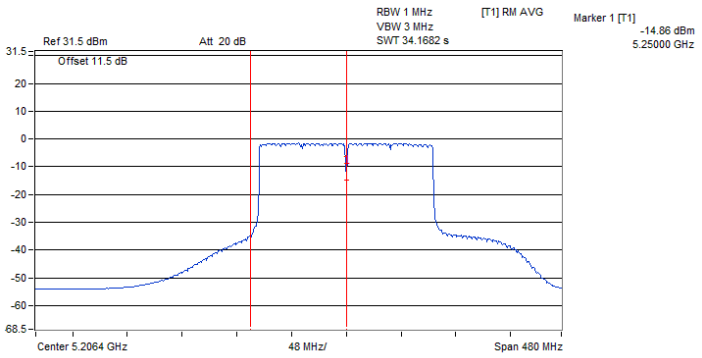
802.11be (EHT160) / Chain 1 : CH 50 (U-NII-2A)



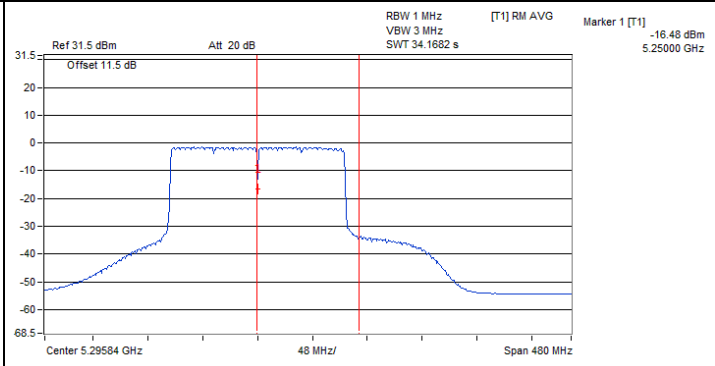
802.11be (EHT160) / Chain 2 : CH 50 (U-NII-1)



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

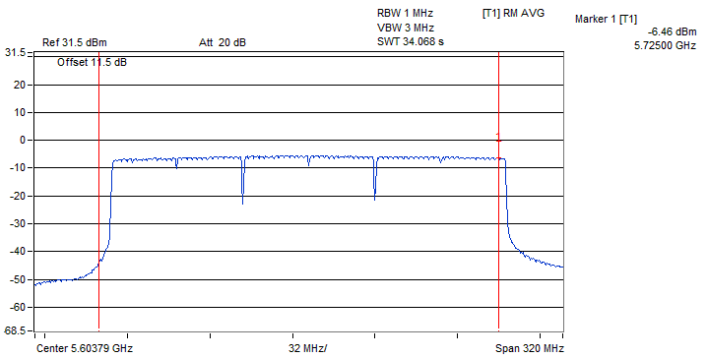


802.11be (EHT160) / Chain 3 : CH 50 (U-NII-1)



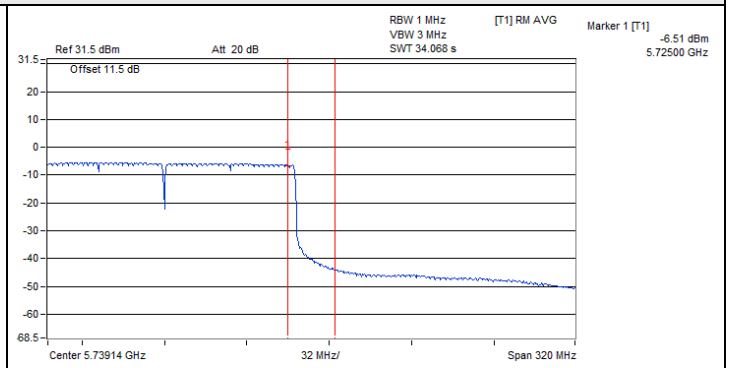
802.11be (EHT160) / Chain 3 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



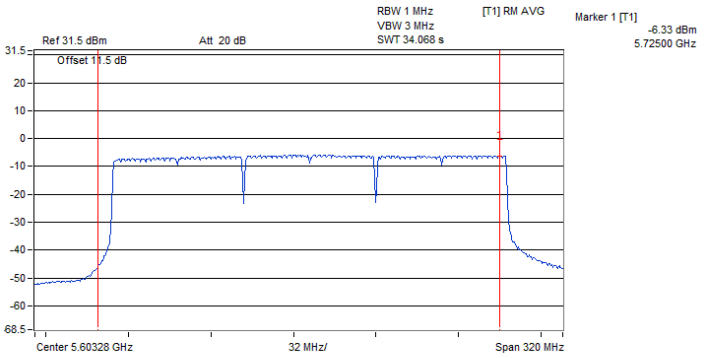
TX Channel Bandwidth 242.41 MHz Power 16.76 dBm

802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-2C)



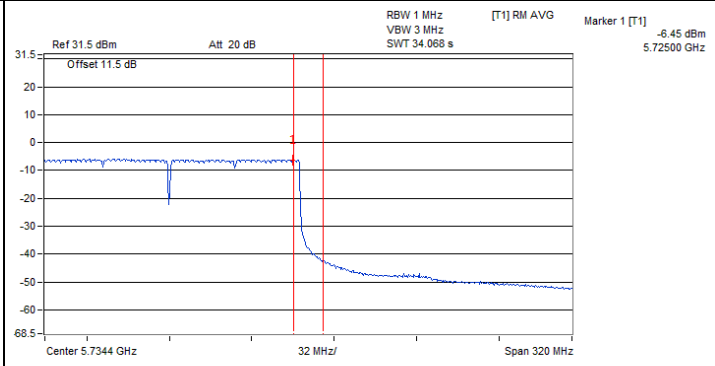
TX Channel Bandwidth 28.29 MHz Power -1.13 dBm

802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-3)



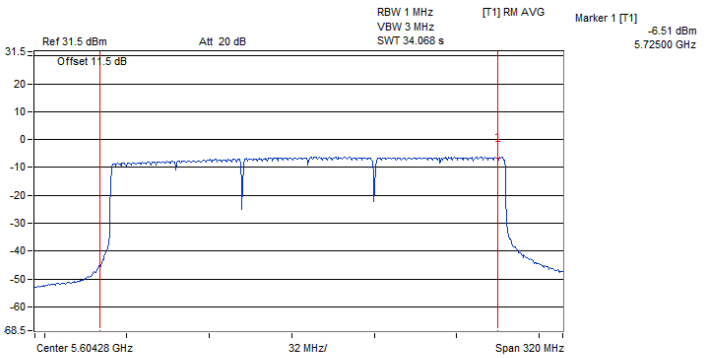
TX Channel Bandwidth 243.44 MHz Power 16.33 dBm

802.11be (EHT240) / Chain 1 : CH 114+138 (U-NII-2C)



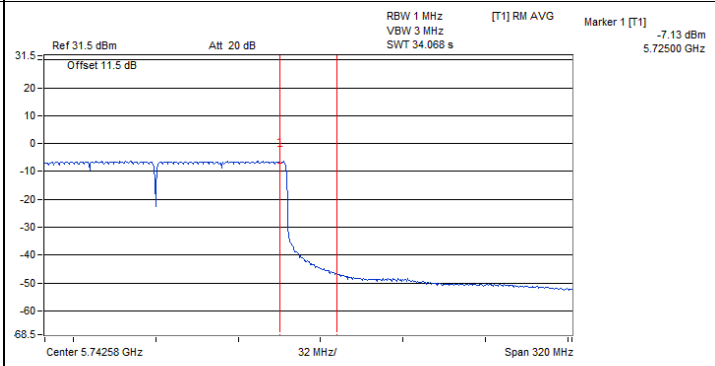
TX Channel Bandwidth 18.8 MHz Power -1.04 dBm

802.11be (EHT240) / Chain 1 : CH 114+138 (U-NII-3)



TX Channel Bandwidth 241.43 MHz Power 15.88 dBm

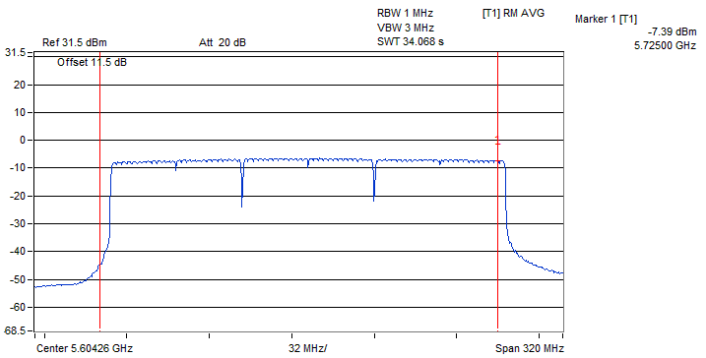
802.11be (EHT240) / Chain 2 : CH 114+138 (U-NII-2C)



TX Channel Bandwidth 35.17 MHz Power -1.16 dBm

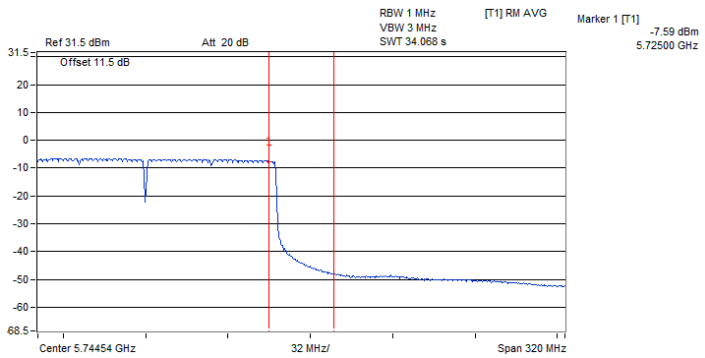
802.11be (EHT240) / Chain 2 : CH 114+138 (U-NII-3)

Spectrum Plot for channel straddling



TX Channel Bandwidth 241.48 MHz Power 15.82 dBm

802.11be (EHT240) / Chain 3 : CH 114+138 (U-NII-2C)



TX Channel Bandwidth 39.09 MHz Power -2.13 dBm

802.11be (EHT240) / Chain 3 : CH 114+138 (U-NII-3)

7.3 Power Spectral Density

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

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	8.40	9.37	9.77	8.56	0.14	15.22	16.67	Pass
40	5200	9.72	9.78	9.93	9.37	0.14	15.87	16.67	Pass
48	5240	10.25	9.25	10.38	9.93	0.14	16.13	16.67	Pass
52	5260	3.74	4.69	3.48	3.52	0.14	10.05	10.68	Pass
60	5300	3.71	4.63	3.41	3.51	0.14	10.00	10.68	Pass
64	5320	3.75	4.55	3.32	3.46	0.14	9.96	10.68	Pass
100	5500	4.12	4.05	3.29	3.13	0.14	9.83	10.75	Pass
116	5580	3.83	4.12	3.59	3.52	0.14	9.93	10.75	Pass
140	5700	4.03	3.79	3.49	3.46	0.14	9.86	10.75	Pass
144 (U-NII-2C)	5720	4.07	4.21	3.38	3.24	0.14	9.91	10.75	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.33-6) = 16.67 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.32-6) = 10.68 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.25-6) = 10.75 dBm/MHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	8.52	8.87	9.04	8.68	0.96	15.76	16.67	Pass
40	5200	8.61	9.71	9.01	8.58	0.96	15.98	16.67	Pass
48	5240	8.64	9.15	8.80	8.73	0.96	15.81	16.67	Pass
52	5260	2.57	3.85	2.51	2.71	0.96	9.93	10.68	Pass
60	5300	2.96	3.79	2.70	2.50	0.96	10.00	10.68	Pass
64	5320	2.83	3.84	3.01	2.60	0.96	10.08	10.68	Pass
100	5500	3.09	3.32	2.65	2.72	0.96	9.93	10.75	Pass
116	5580	3.15	3.30	2.87	2.67	0.96	9.98	10.75	Pass
140	5700	3.03	3.33	2.78	2.60	0.96	9.92	10.75	Pass
144 (U-NII-2C)	5720	2.85	3.33	2.67	2.54	0.96	9.84	10.75	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.33-6) = 16.67 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.32-6) = 10.68 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.25-6) = 10.75 dBm/MHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	2.25	3.49	3.34	2.44	0.96	9.89	16.67	Pass
46	5230	6.16	6.60	5.76	6.71	0.96	13.30	16.67	Pass
54	5270	0.30	1.17	0.06	-0.27	0.96	7.33	10.68	Pass
62	5310	0.13	0.93	0.14	-0.28	0.96	7.23	10.68	Pass
102	5510	0.73	0.57	-0.15	0.08	0.96	7.30	10.75	Pass
110	5550	0.48	0.75	0.26	0.11	0.96	7.39	10.75	Pass
134	5670	0.56	0.84	-0.01	-0.10	0.96	7.32	10.75	Pass
142 (U-NII-2C)	5710	0.56	0.76	-0.19	0.03	0.96	7.29	10.75	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.33-6) = 16.67 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.32-6) = 10.68 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.25-6) = 10.75 dBm/MHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-1.69	-1.59	-1.82	-1.77	0.98	5.28	16.67	Pass
58	5290	-2.69	-2.08	-3.56	-3.15	0.98	4.17	10.68	Pass
106	5530	-2.42	-2.50	-3.10	-2.84	0.98	4.29	10.75	Pass
122	5610	-2.37	-2.08	-3.02	-2.65	0.98	4.48	10.75	Pass
138 (U-NII-2C)	5690	-2.53	-2.26	-2.99	-2.94	0.98	4.33	10.75	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.33-6) = 16.67 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.32-6) = 10.68 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.25-6) = 10.75 dBm/MHz.

802.11be (EHT160)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
50 (U-NII-1)	5250	-3.18	-3.26	-3.39	-3.73	0.96	3.60	16.67	Pass
50 (U-NII-2A)	5250	-3.65	-3.35	-4.03	-4.07	0.96	3.22	10.68	Pass
114	5570	-4.85	-5.34	-5.84	-5.83	0.96	1.54	10.75	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.33-6) = 16.67 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.32-6) = 10.68 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.25-6) = 10.75 dBm/MHz.

802.11be (EHT240)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
114+138 (U-NII-2C)	5610	-8.45	-8.45	-9.09	-9.02	0.95	-1.77	10.75	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-1, the directional gain is 6.33 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.33-6) = 16.67 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.32 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.32-6) = 10.68 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.25 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.25-6) = 10.75 dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
144 (U-NII-3)	5720	-4.21	-3.89	-4.72	-4.74	1.65	0.14	4.01	29.71	Pass
149	5745	1.16	1.52	2.20	1.90	7.73	0.14	10.09	29.71	Pass
157	5785	1.27	1.57	2.26	1.91	7.79	0.14	10.15	29.71	Pass
165	5825	1.45	1.69	2.64	2.03	8	0.14	10.36	29.71	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 6.29 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.29-6) = 29.71 dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
144 (U-NII-3)	5720	-12.63	-12.30	-12.93	-13.14	-6.72	0.96	-3.54	29.71	Pass
149	5745	-5.71	-6.48	-5.52	-5.77	0.17	0.96	3.35	29.71	Pass
157	5785	-5.60	-6.38	-5.46	-5.77	0.23	0.96	3.41	29.71	Pass
165	5825	-5.52	-6.27	-5.51	-5.82	0.25	0.96	3.43	29.71	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 6.29 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.29-6) = 29.71 dBm/500kHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
142 (U-NII-3)	5710	-16.39	-15.14	-16.44	-16.43	-10.04	0.96	-6.86	29.71	Pass
151	5755	-9.49	-9.82	-9.88	-8.48	-3.36	0.96	-0.18	29.71	Pass
159	5795	-9.39	-10.00	-9.61	-8.82	-3.41	0.96	-0.23	29.71	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 6.29 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.29-6) = 29.71 dBm/500kHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
138 (U-NII-3)	5690	-17.62	-17.93	-18.58	-19.49	-12.33	0.98	-9.13	29.71	Pass
155	5775	-13.33	-12.92	-12.53	-12.75	-6.85	0.98	-3.65	29.71	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 6.29 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.29-6) = 29.71 dBm/500kHz.

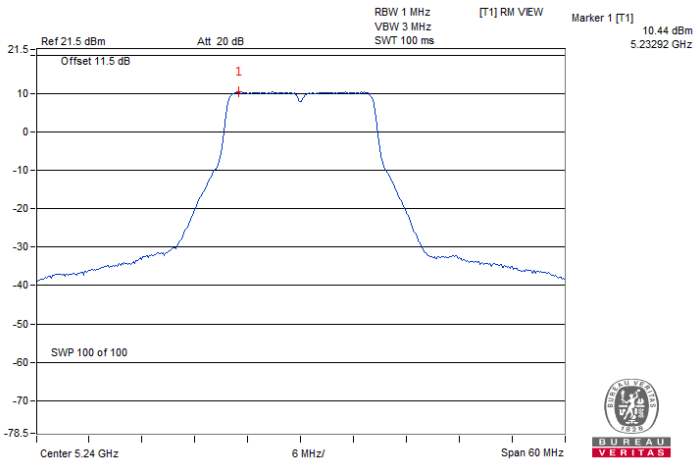
802.11be (EHT240)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
114+138 (U-NII-3)	5610	-23.16	-23.74	-24.65	-24.12	-17.86	0.95	-14.69	29.71	Pass

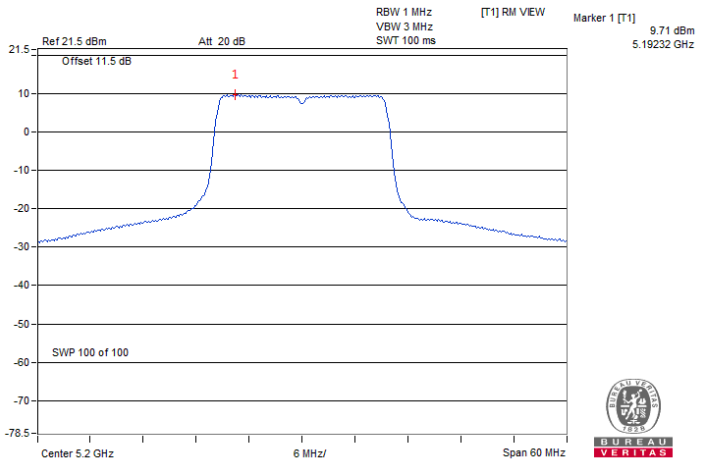
Notes:

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 6.29 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.29-6) = 29.71 dBm/500kHz.

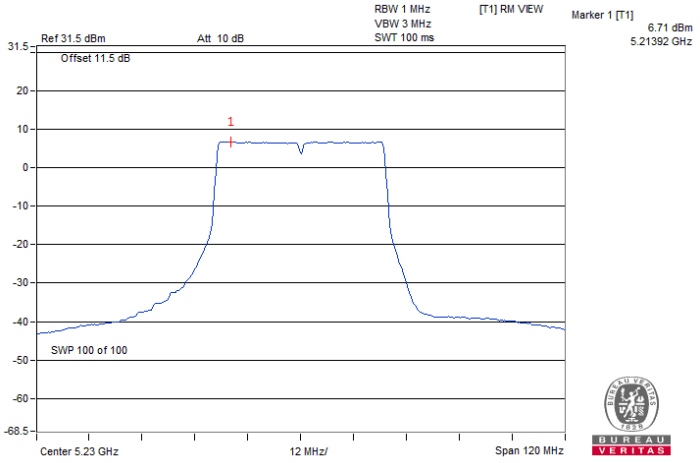
Spectrum Plot of Maximum Value



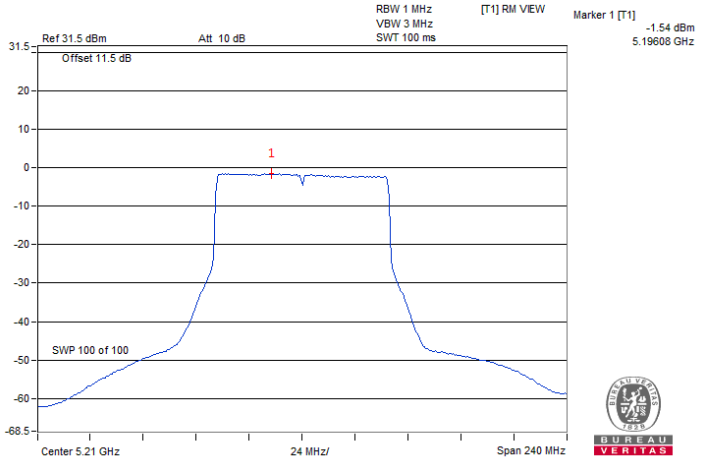
802.11a / Chain 2 : CH 48



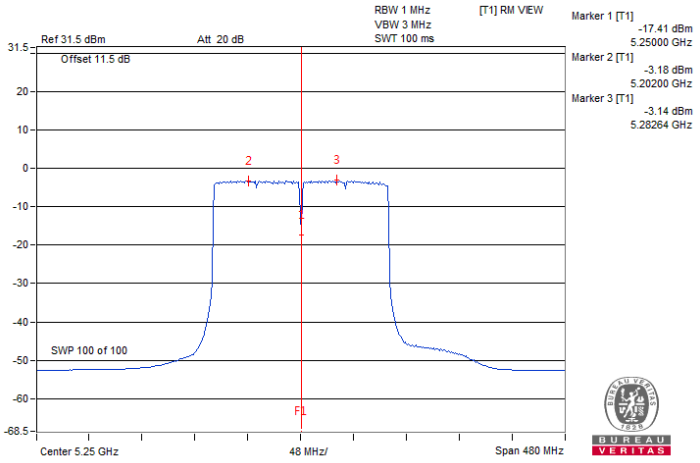
802.11be (EHT20) / Chain 1 : CH 40



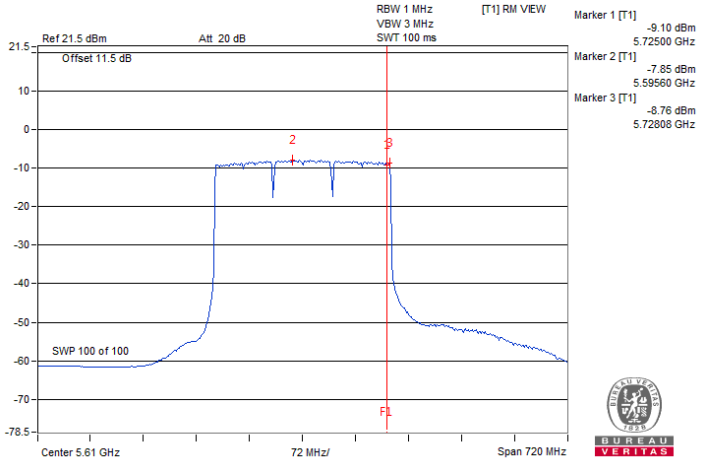
802.11be (EHT40) / Chain 3 : CH 46



802.11be (EHT80) / Chain 1 : CH 42

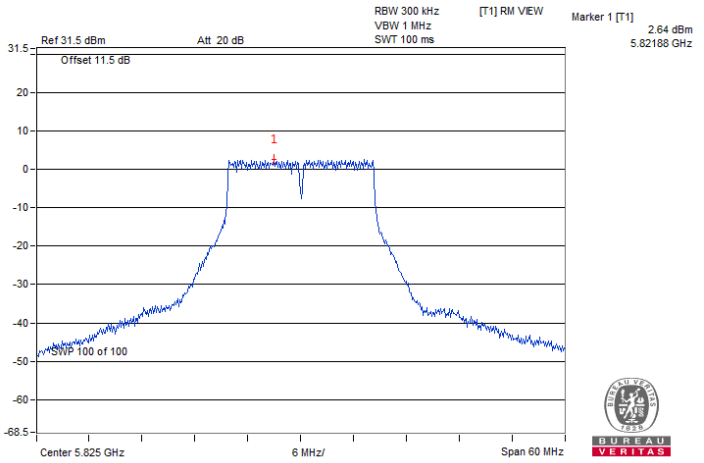


802.11be (EHT160) / Chain 0 : CH 50 (U-NII-1)

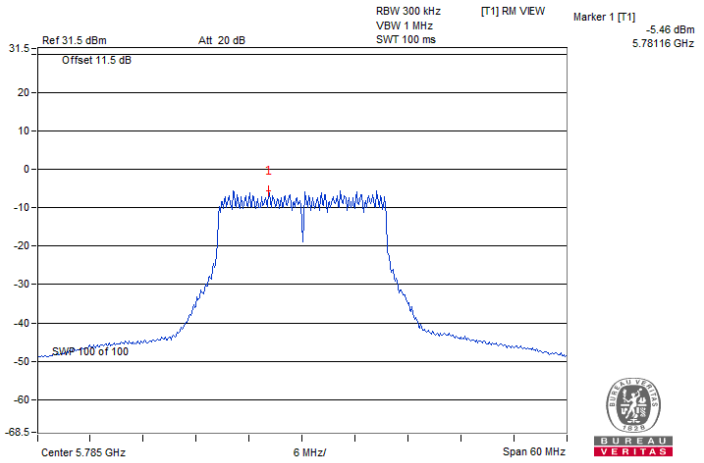


802.11be (EHT240) / Chain 0 : CH 114+138

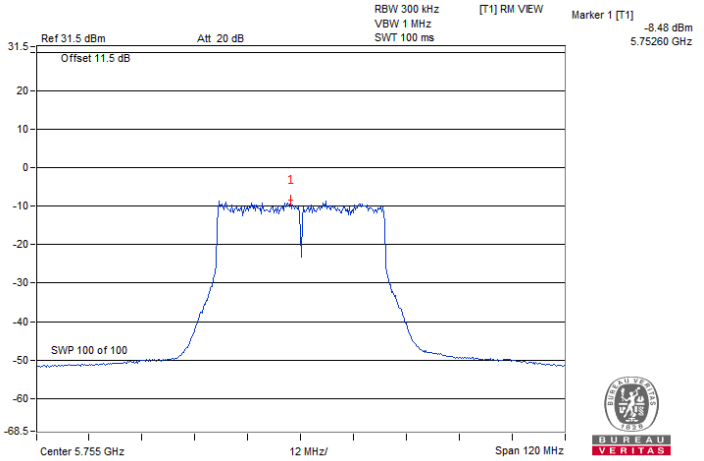
Spectrum Plot of Maximum Value



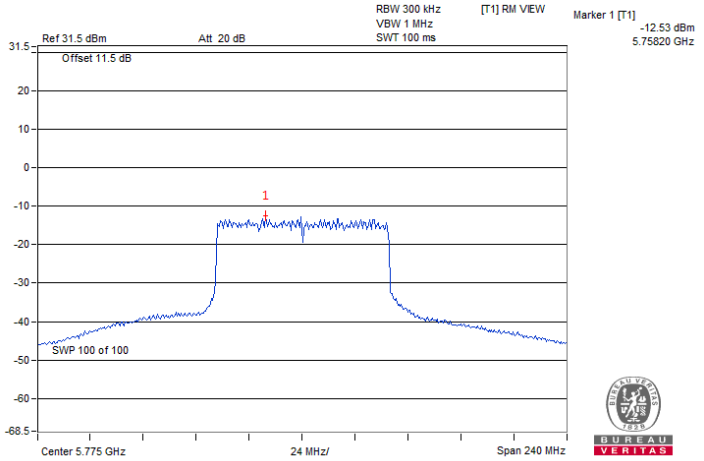
802.11a / Chain 2 : CH 165



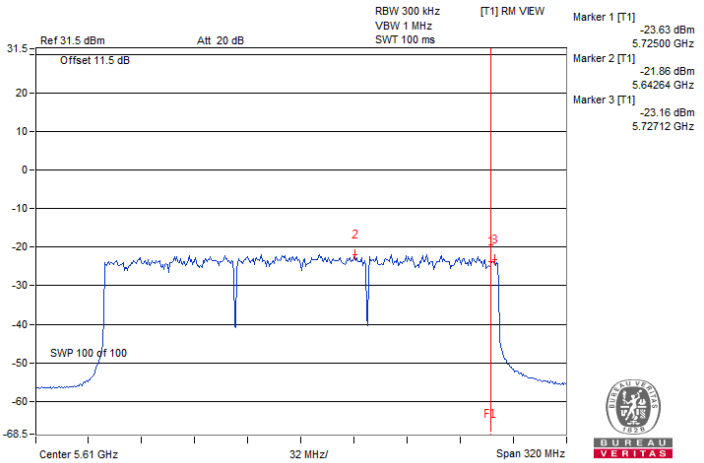
802.11be (EHT20) / Chain 2 : CH 157



802.11be (EHT40) / Chain 3 : CH 151



802.11be (EHT80) / Chain 2 : CH 155



802.11be (EHT240) / Chain 0 : CH 114+138

7.4 6 dB Bandwidth

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

802.11a

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	3.21	3.20	3.21	3.20	0.5	Pass
149	5745	16.41	16.39	16.39	16.40	0.5	Pass
157	5785	16.40	16.40	16.40	16.40	0.5	Pass
165	5825	16.39	16.41	16.39	16.40	0.5	Pass

802.11be (EHT20)

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	4.54	4.54	4.54	4.53	0.5	Pass
149	5745	19.08	19.15	19.13	19.12	0.5	Pass
157	5785	19.06	19.12	19.09	19.13	0.5	Pass
165	5825	19.11	19.12	19.15	19.07	0.5	Pass

802.11be (EHT40)

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	4.14	4.12	4.11	4.20	0.5	Pass
151	5755	38.24	38.25	38.25	38.24	0.5	Pass
159	5795	38.30	38.19	38.23	38.24	0.5	Pass

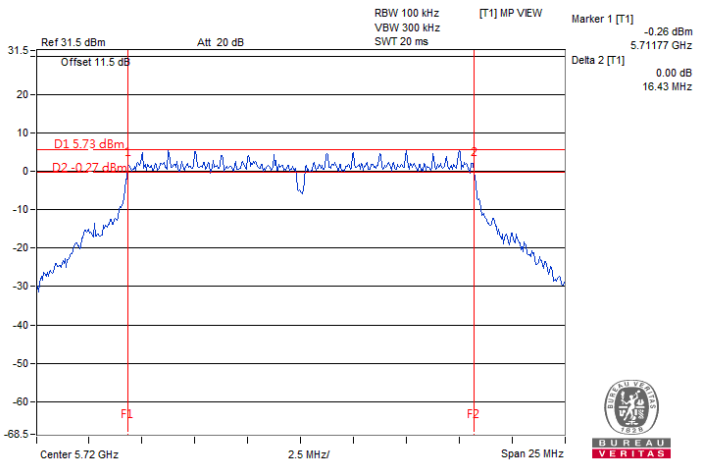
802.11be (EHT80)

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	4.21	4.21	4.20	4.13	0.5	Pass
155	5775	78.30	78.37	78.26	78.29	0.5	Pass

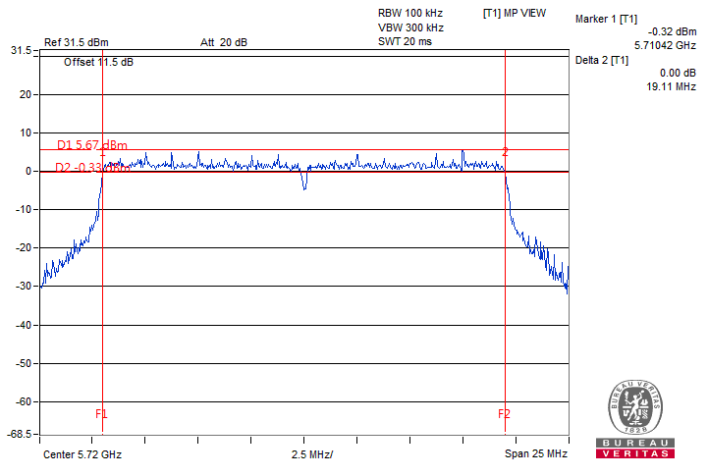
802.11be (EHT240)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
114+138 (U-NII-3)	5610	4.24	4.68	4.63	4.43	0.5	Pass

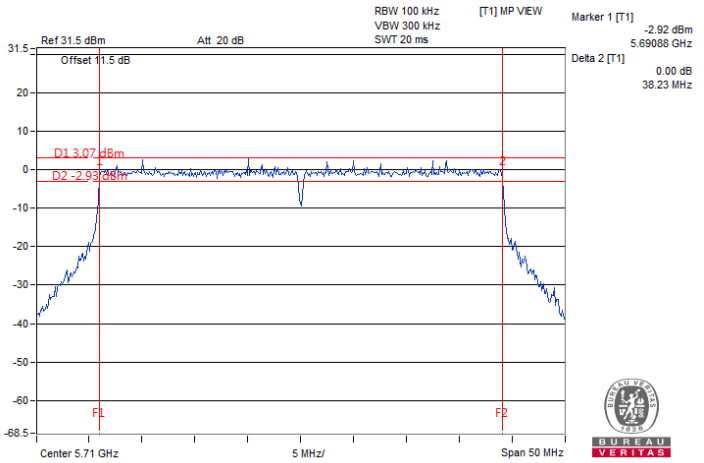
Spectrum Plot of Minimum Value



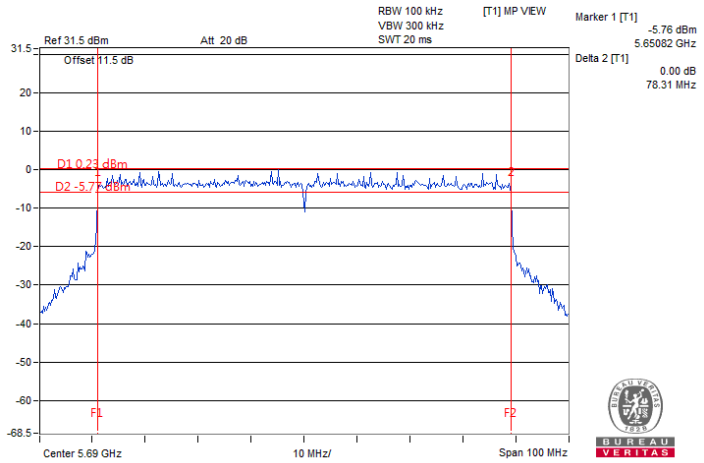
802.11a / Chain 1 : CH 144 (U-NII-3)



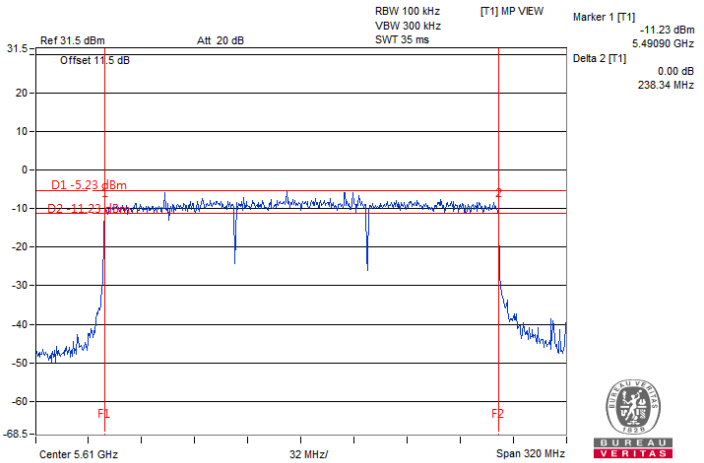
802.11be (EHT20) / Chain 3 : CH 144 (U-NII-3)



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



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



802.11be (EHT240) / Chain 0 : CH 114+138 (U-NII-3)

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

7.5 Occupied Bandwidth

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

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.16	16.92	16.92	16.92
40	5200	16.92	16.92	17.28	17.16
48	5240	16.80	17.04	16.92	17.16
52	5260	17.04	16.92	16.92	17.04
60	5300	17.04	16.92	16.92	16.92
64	5320	16.92	16.92	16.92	17.04
100	5500	16.92	16.92	16.92	16.80
116	5580	16.92	16.92	16.92	16.92
140	5700	17.04	16.92	16.92	16.92
144 (U-NII-2C)	5720	13.52	13.56	13.52	13.64
144 (U-NII-3)	5720	3.40	3.37	3.40	3.40
149	5745	16.92	16.83	17.12	17.02
157	5785	17.02	17.59	17.02	17.11
165	5825	17.02	16.92	16.93	16.93

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.14	19.24	19.20	19.20
40	5200	19.08	19.20	19.32	19.20
48	5240	19.32	19.20	19.08	19.20
52	5260	19.32	19.08	19.08	19.08
60	5300	19.20	19.08	19.08	19.08
64	5320	19.32	19.20	19.08	19.20
100	5500	19.14	19.04	19.14	19.14
116	5580	19.14	19.04	19.14	19.23
140	5700	19.14	19.14	19.04	19.14
144 (U-NII-2C)	5720	14.60	14.60	14.60	14.62
144 (U-NII-3)	5720	4.48	4.48	4.48	4.52
149	5745	19.14	19.14	19.14	19.14
157	5785	19.08	19.08	19.20	19.08
165	5825	19.08	19.08	19.08	19.08

802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	38.40	38.64	38.40	38.40
46	5230	38.40	38.64	38.40	38.16
54	5270	38.40	38.40	38.16	38.16
62	5310	38.16	38.16	38.40	38.16
102	5510	38.64	38.40	38.40	38.40
110	5550	38.16	38.16	38.40	38.40
134	5670	38.16	38.64	38.64	38.16
142 (U-NII-2C)	5710	34.44	34.20	34.20	34.20
142 (U-NII-3)	5710	4.20	3.96	3.96	4.20
151	5755	38.27	38.27	38.27	38.46
159	5795	38.46	38.65	38.46	38.27

802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	77.28	77.28	77.76	77.28
58	5290	77.76	77.76	78.24	77.76
106	5530	77.76	77.76	78.24	77.76
122	5610	77.76	77.28	77.28	77.28
138 (U-NII-2C)	5690	73.88	74.36	73.88	74.36
138 (U-NII-3)	5690	3.88	3.88	3.88	3.88
155	5775	78.08	78.08	78.08	77.70

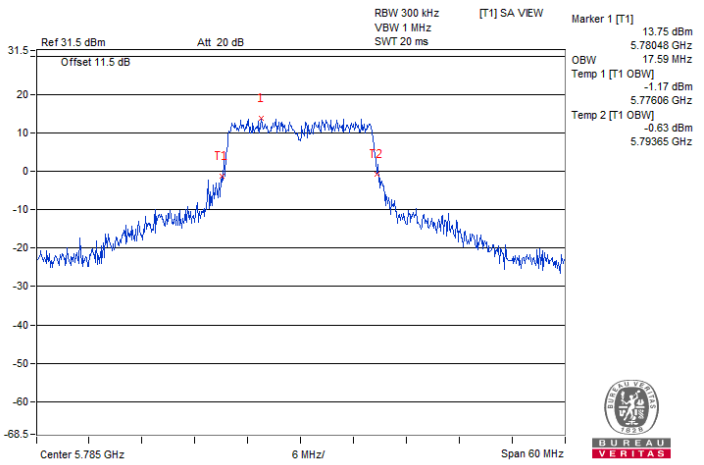
802.11be (EHT160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
50 (U-NII-1)	5250	78.72	79.68	79.68	78.72
50 (U-NII-2A)	5250	77.76	77.76	77.76	77.76
114	5570	156.48	158.40	156.48	158.40

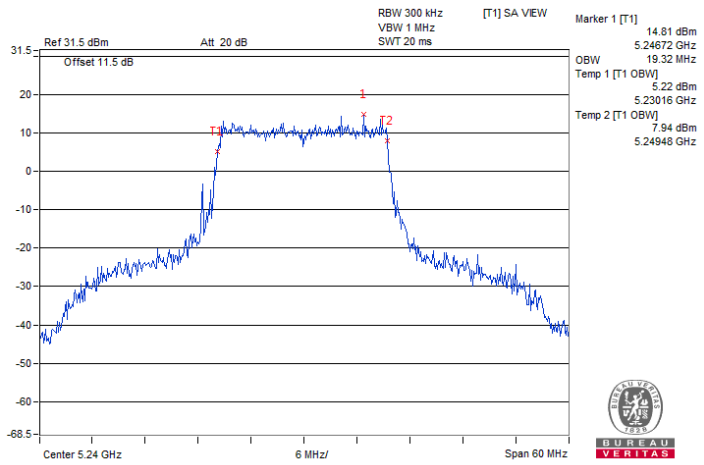
802.11be (EHT240)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114+138 (U-NII-2C)	5610	233.85	234.52	233.08	234.52
114+138 (U-NII-3)	5610	2.69	1.64	1.64	3.08

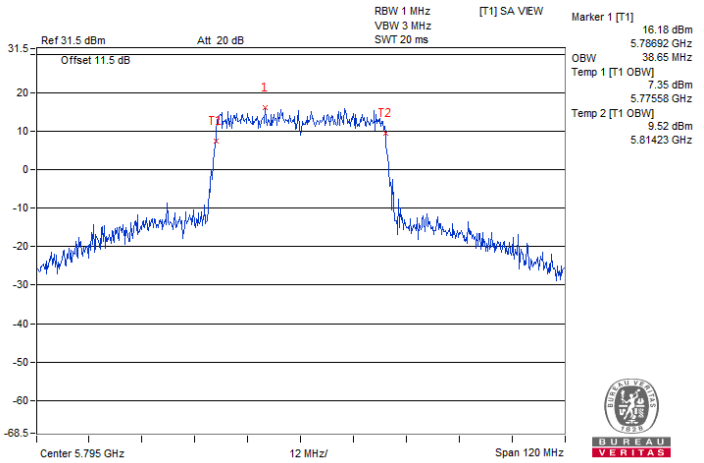
Spectrum Plot of Maximum Value



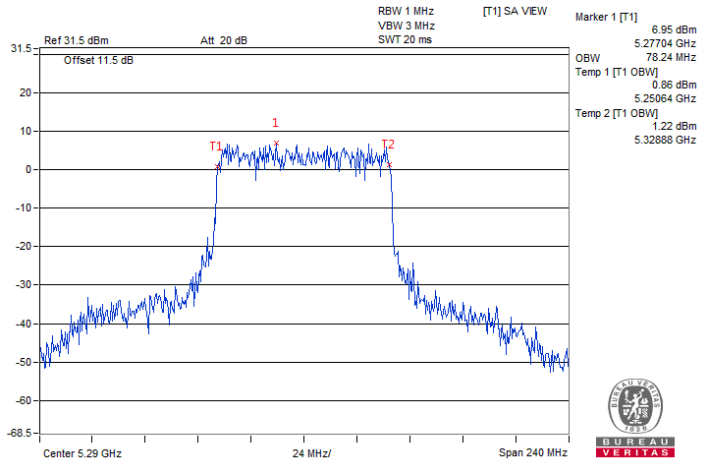
802.11a / Chain 1 : CH 157



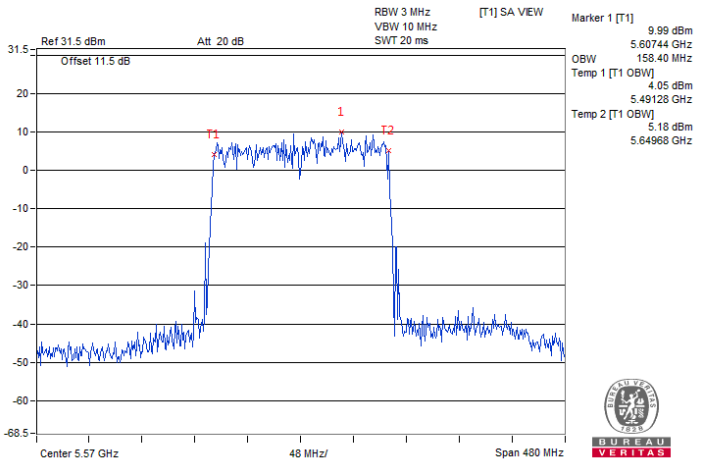
802.11be (EHT20) / Chain 0 : CH 48



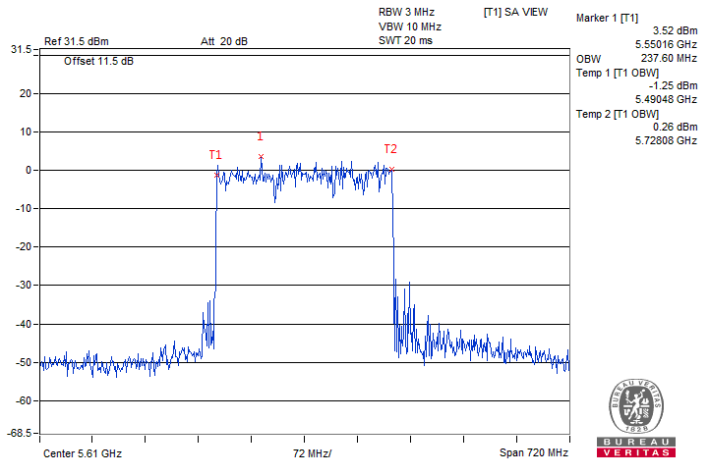
802.11be (EHT40) / Chain 1 : CH 159



802.11be (EHT80) / Chain 2 : CH 58



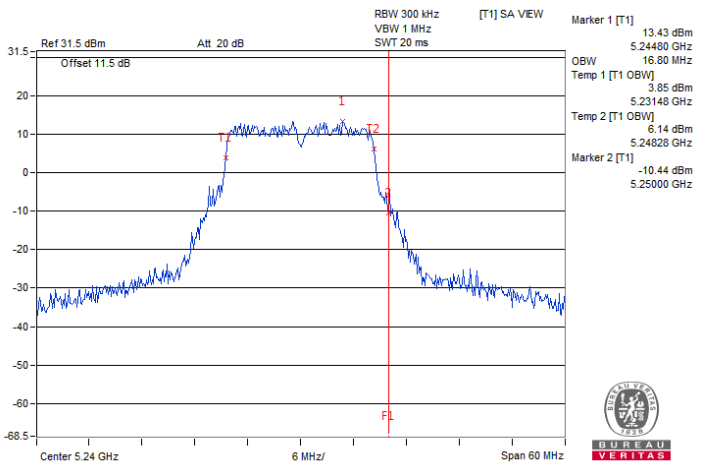
802.11be (EHT160) / Chain 1 : CH 114



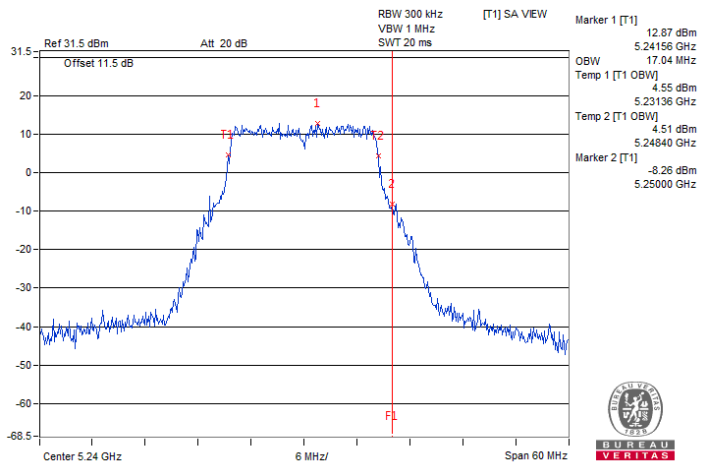
802.11be (EHT240) / Chain 0 : CH 114+138

Spectrum Plot for nearby DFS band

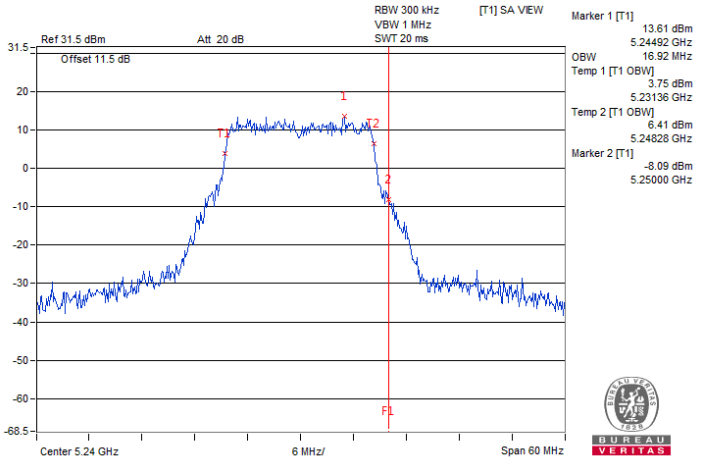
(DFS is required, if 99% OCP straddle into U-NII-2A)



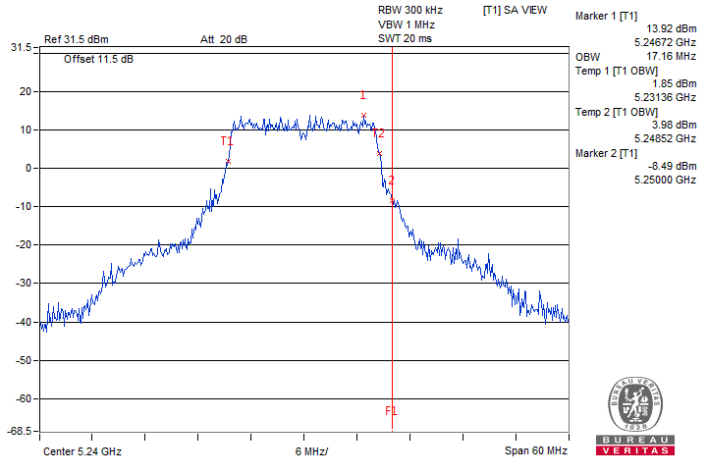
802.11a / Chain 0 : CH 48



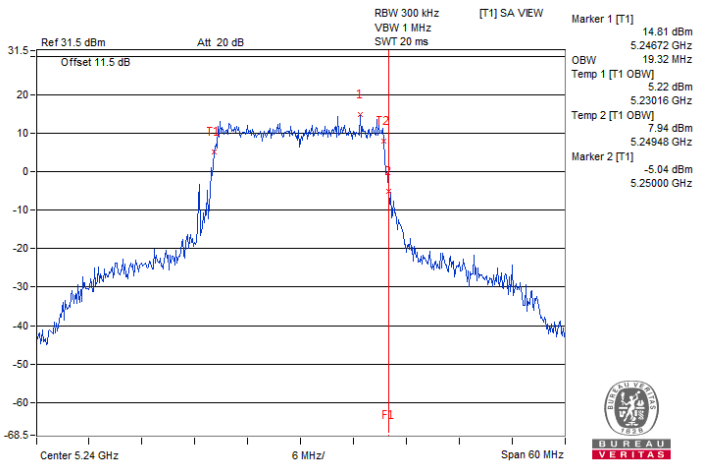
802.11a / Chain 1 : CH 48



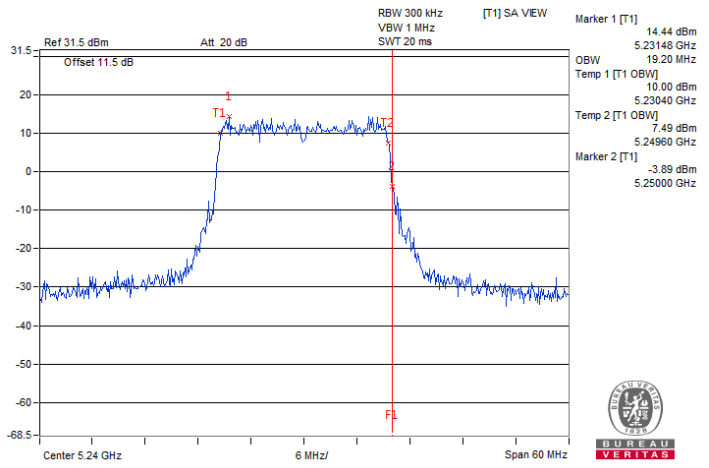
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48



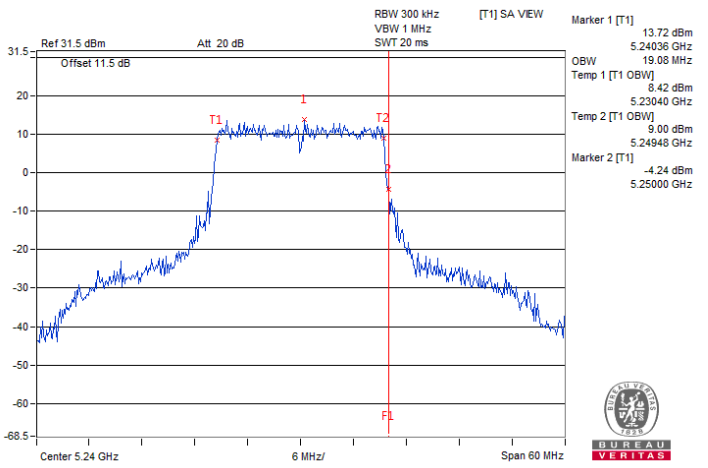
802.11be (EHT20) / Chain 0 : CH 48



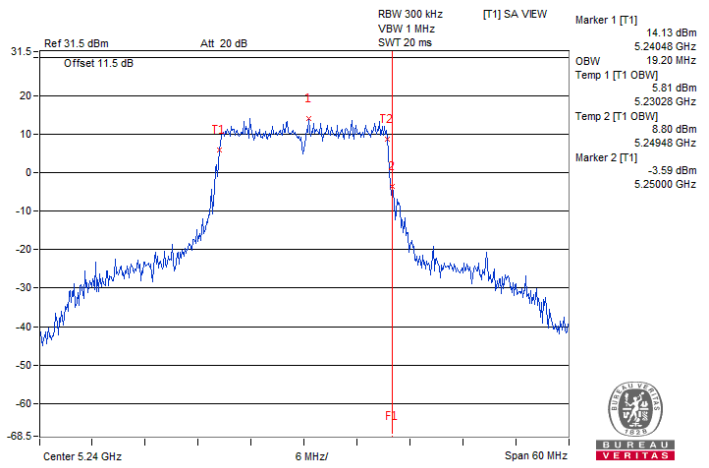
802.11be (EHT20) / Chain 1 : CH 48

Spectrum Plot for nearby DFS band

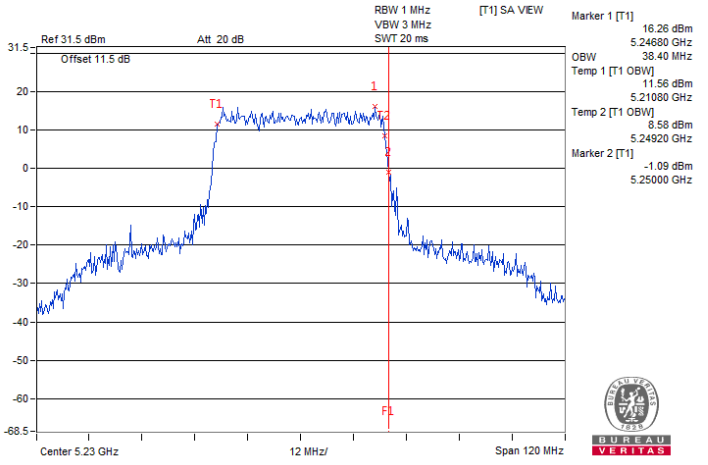
(DFS is required, if 99% OCP straddle into U-NII-2A)



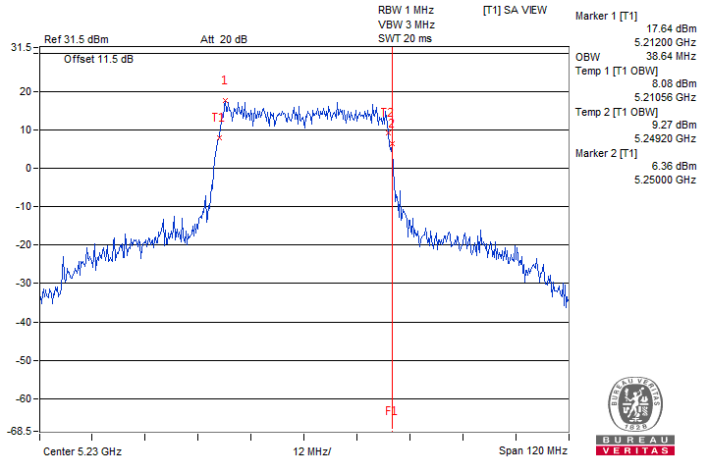
802.11be (EHT20) / Chain 2 : CH 48



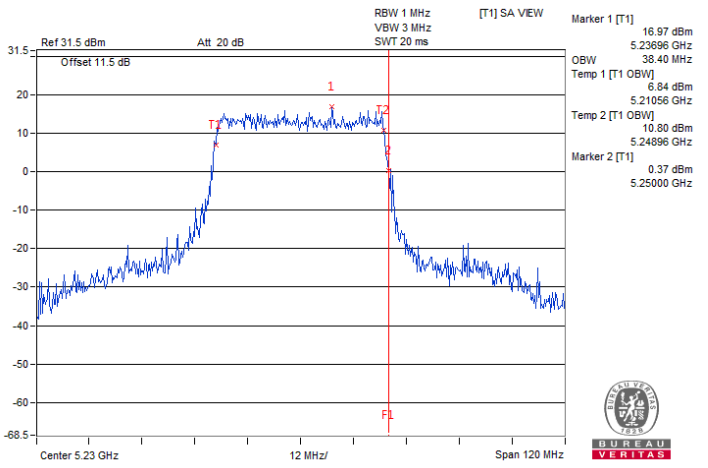
802.11be (EHT20) / Chain 3 : CH 48



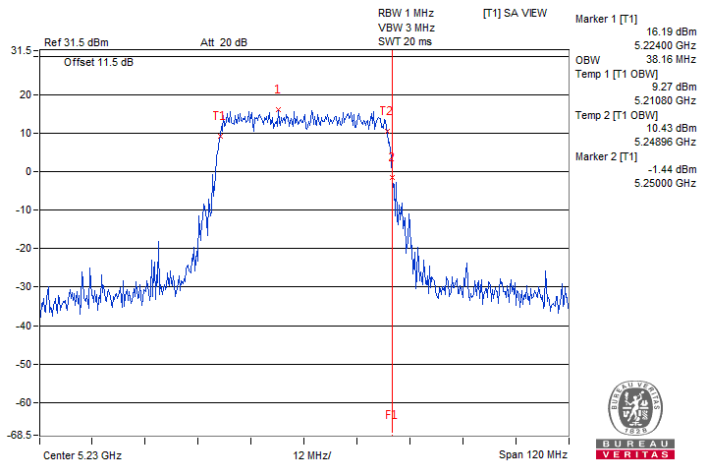
802.11be (EHT40) / Chain 0 : CH 46



802.11be (EHT40) / Chain 1 : CH 46



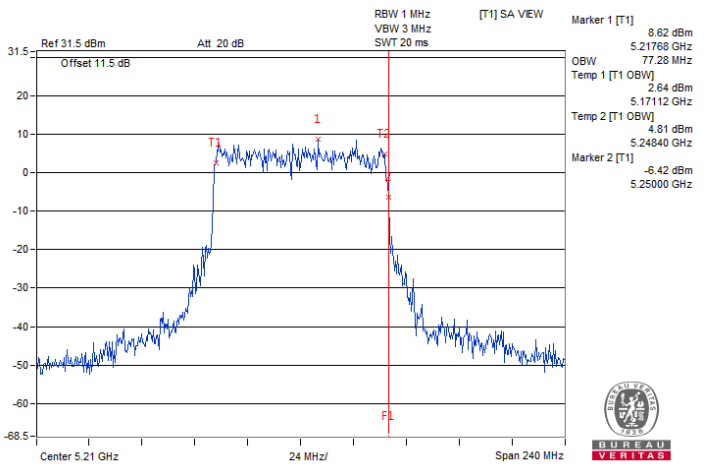
802.11be (EHT40) / Chain 2 : CH 46



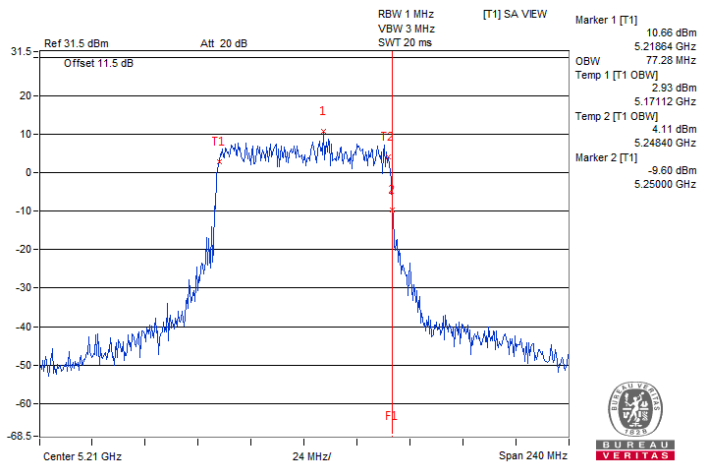
802.11be (EHT40) / Chain 3 : CH 46

Spectrum Plot for nearby DFS band

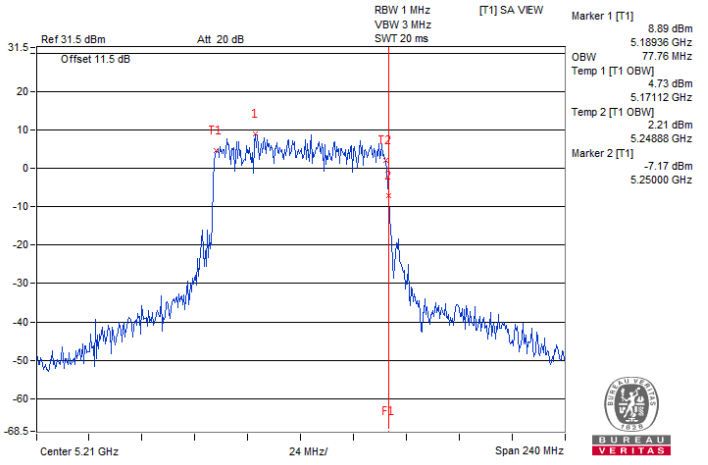
(DFS is required, if 99% OCP straddle into U-NII-2A)



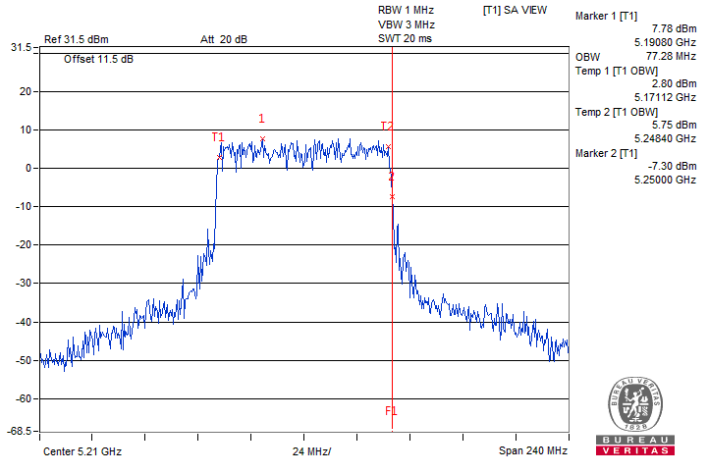
802.11be (EHT80) / Chain 0 : CH 42



802.11be (EHT80) / Chain 1 : CH 42



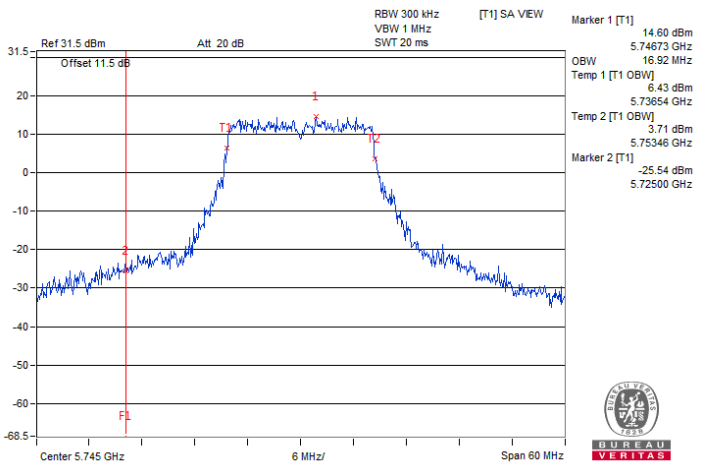
802.11be (EHT80) / Chain 2 : CH 42



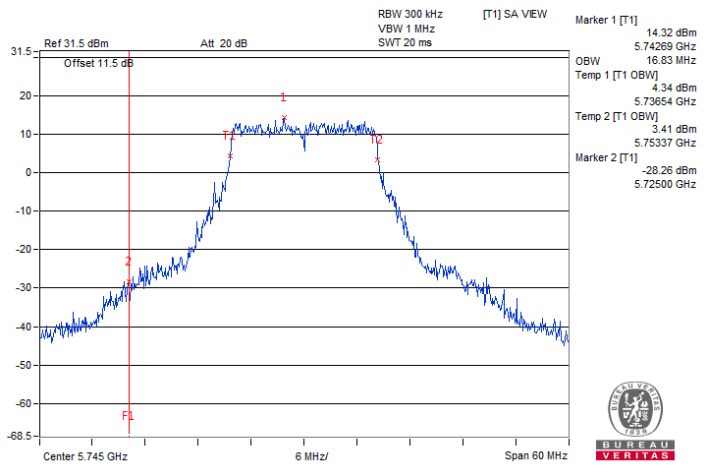
802.11be (EHT80) / Chain 3 : CH 42

Spectrum Plot for nearby DFS band

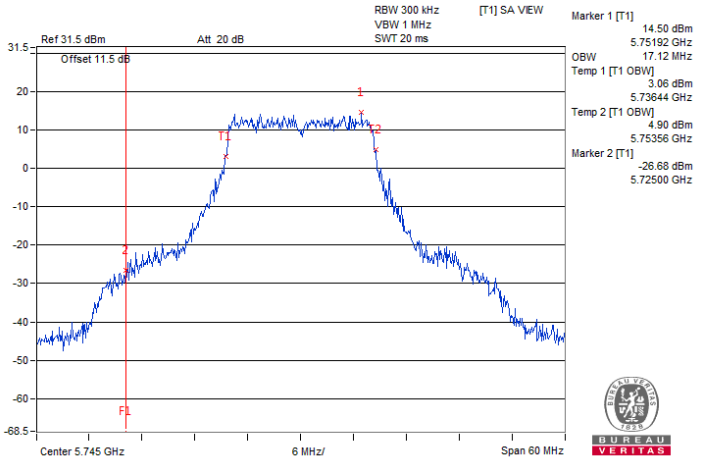
(DFS is required, if 99% OCP straddle into U-NII-2C)



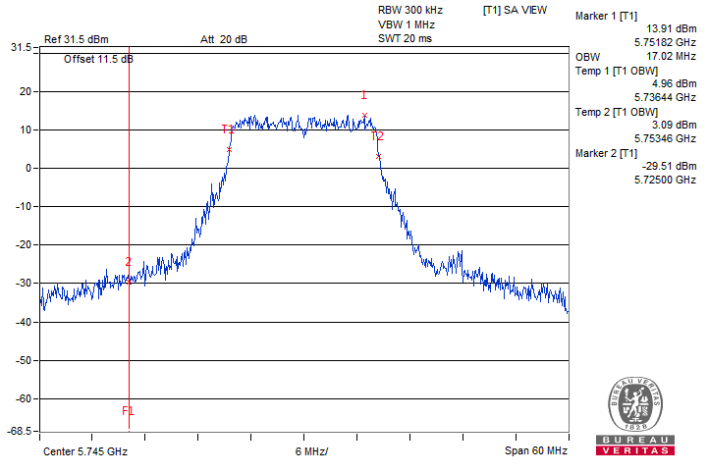
802.11a / Chain 0 : CH 149



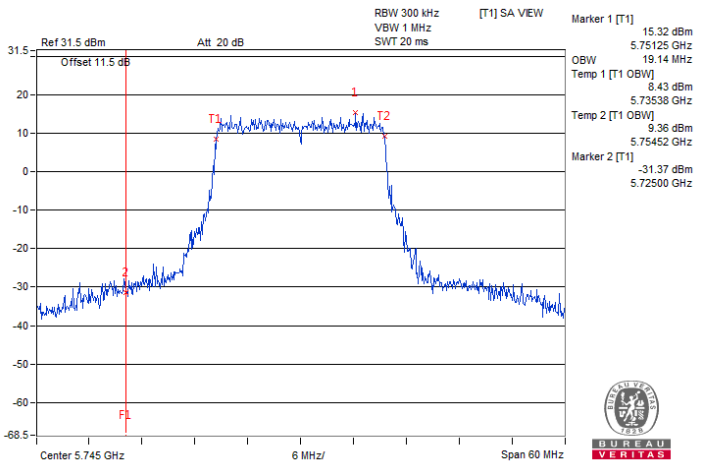
802.11a / Chain 1 : CH 149



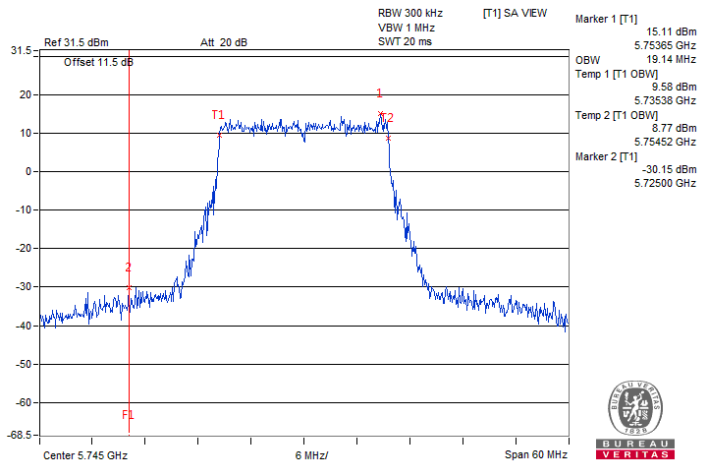
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149



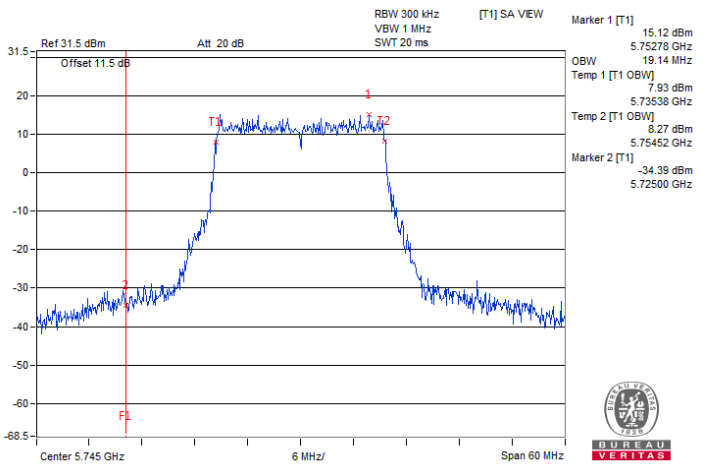
802.11be (EHT20) / Chain 0 : CH 149



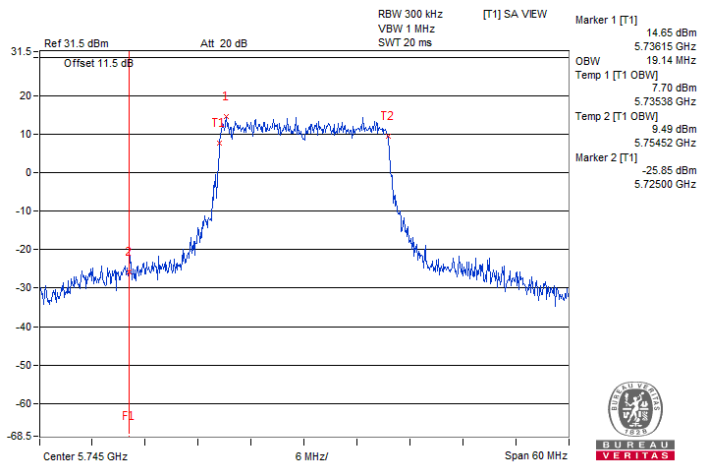
802.11be (EHT20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

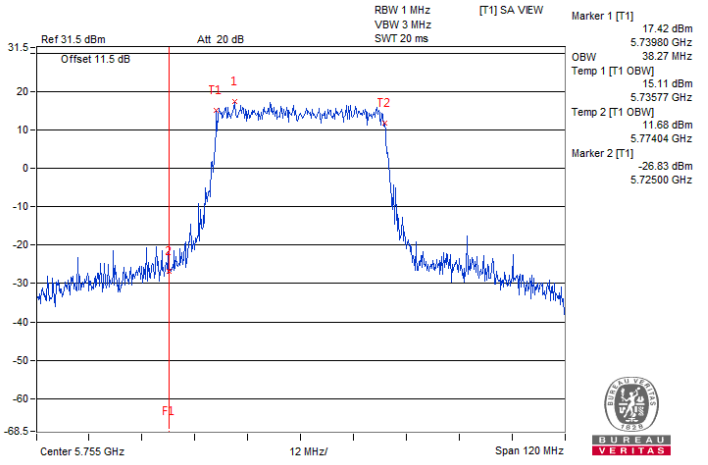
(DFS is required, if 99% OCP straddle into U-NII-2C)



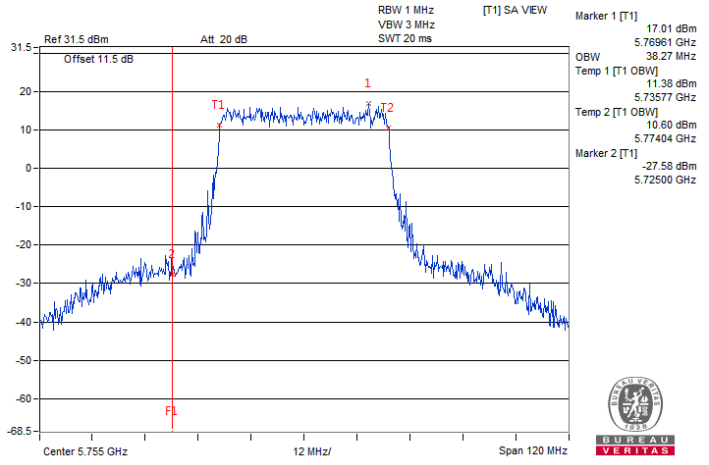
802.11be (EHT20) / Chain 2 : CH 149



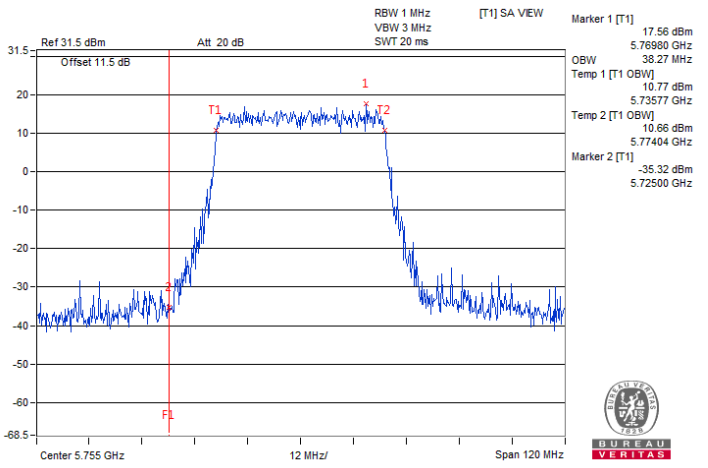
802.11be (EHT20) / Chain 3 : CH 149



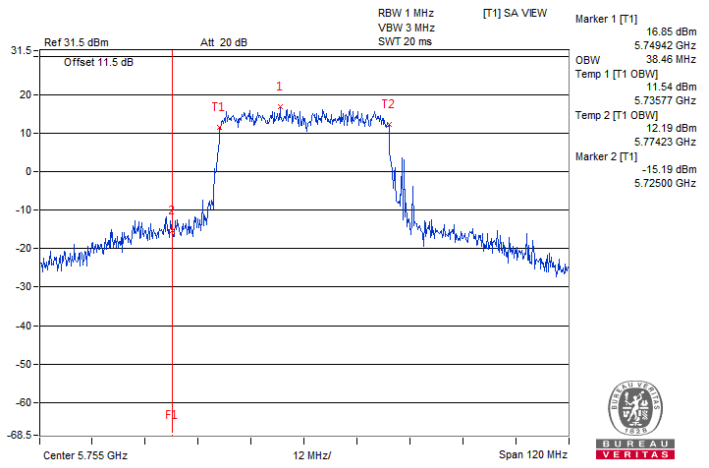
802.11be (EHT40) / Chain 0 : CH 151



802.11be (EHT40) / Chain 1 : CH 151



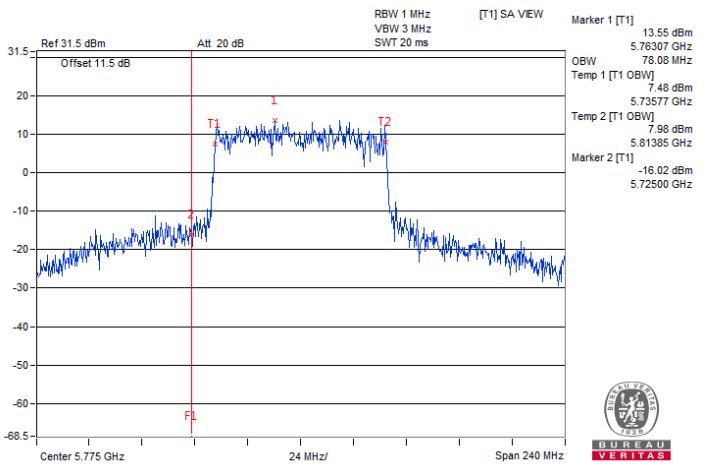
802.11be (EHT40) / Chain 2 : CH 151



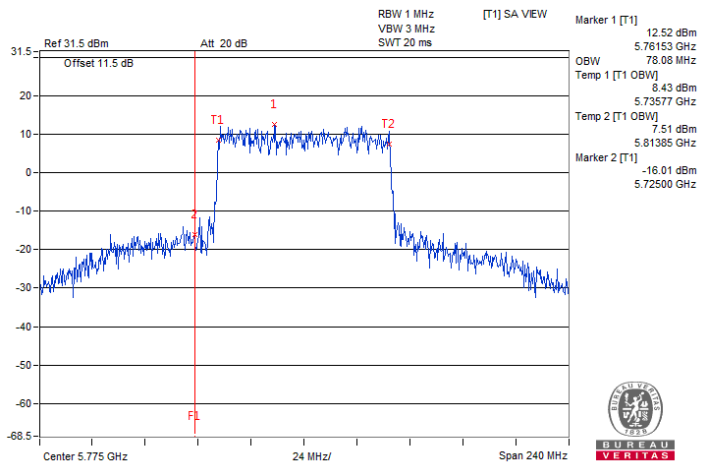
802.11be (EHT40) / Chain 3 : CH 151

Spectrum Plot for nearby DFS band

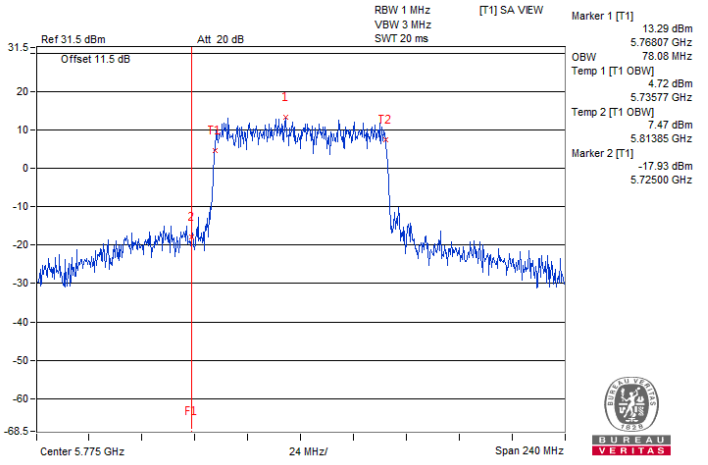
(DFS is required, if 99% OCP straddle into U-NII-2C)



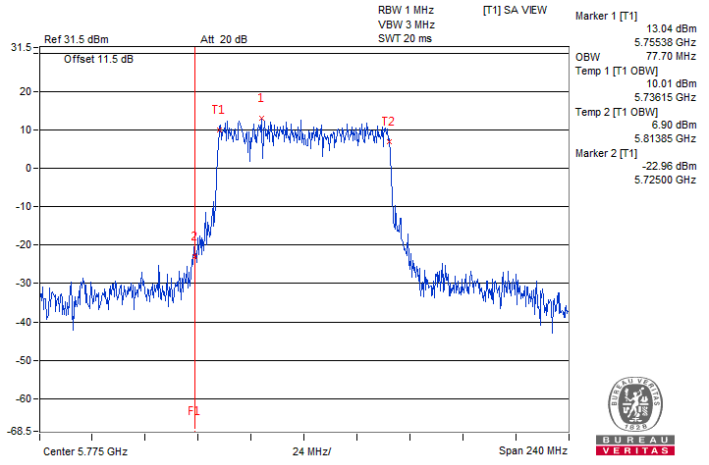
802.11be (EHT80) / Chain 0 : CH 155



802.11be (EHT80) / Chain 1 : CH 155



802.11be (EHT80) / Chain 2 : CH 155



802.11be (EHT80) / Chain 3 : CH 155

7.6 Frequency Stability

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

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5180.0056	Pass	5180.0045	Pass	5180.0065	Pass	5180.0056	Pass
30	120	5179.992	Pass	5179.9931	Pass	5179.9889	Pass	5179.9941	Pass
20	120	5180.0128	Pass	5180.0104	Pass	5180.0126	Pass	5180.0138	Pass
10	120	5180.0241	Pass	5180.0259	Pass	5180.0244	Pass	5180.0249	Pass
0	120	5179.984	Pass	5179.9889	Pass	5179.9883	Pass	5179.9849	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5180.0057	Pass	5180.0079	Pass	5180.0052	Pass	5180.0057	Pass
	120	5180.0128	Pass	5180.0104	Pass	5180.0126	Pass	5180.0138	Pass
	102	5180.0142	Pass	5180.0145	Pass	5180.0108	Pass	5180.013	Pass

7.7 AC Power Conducted Emissions

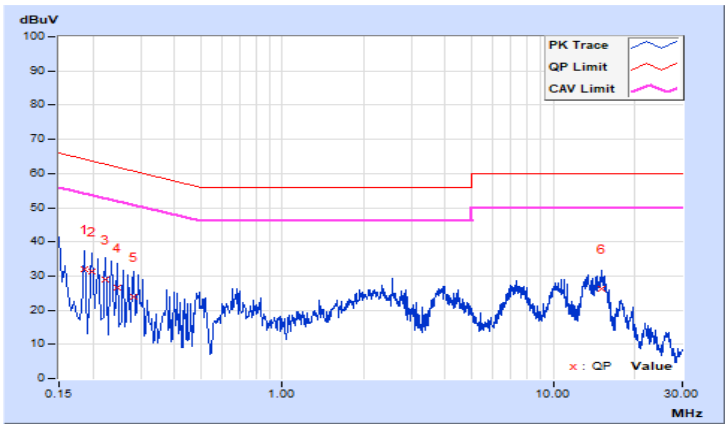
Mode A

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 70% RH
Tested By	Luis Lee		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.18600	0.22	31.89	14.25	32.11	14.47	64.21	54.21	-32.10	-39.74
2	0.19800	0.23	30.93	18.95	31.16	19.18	63.69	53.69	-32.53	-34.51
3	0.22200	0.24	28.62	16.13	28.86	16.37	62.74	52.74	-33.88	-36.37
4	0.24600	0.25	26.41	11.72	26.66	11.97	61.89	51.89	-35.23	-39.92
5	0.28200	0.27	23.65	11.43	23.92	11.70	60.76	50.76	-36.84	-39.06
6	**15.17000**	**1.09**	**25.04**	**19.45**	**26.13**	**20.54**	**60.00**	**50.00**	**-33.87**	**-29.46**

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

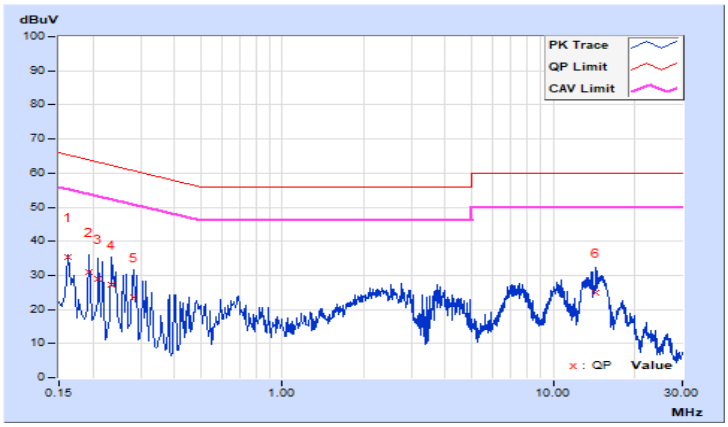


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 70% RH
Tested By	Luis Lee		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.16200	0.23	35.24	19.63	35.47	19.86	65.36	55.36	-29.89	-35.50
2	0.19400	0.26	30.69	10.57	30.95	10.83	63.86	53.86	-32.91	-43.03
3	0.21000	0.26	28.83	8.33	29.09	8.59	63.21	53.21	-34.12	-44.62
4	0.23400	0.27	27.03	11.55	27.30	11.82	62.31	52.31	-35.01	-40.49
5	0.28200	0.29	23.25	12.85	23.54	13.14	60.76	50.76	-37.22	-37.62
6	14.31400	0.91	24.06	17.39	24.97	18.30	60.00	50.00	-35.03	-31.70

Remarks:

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



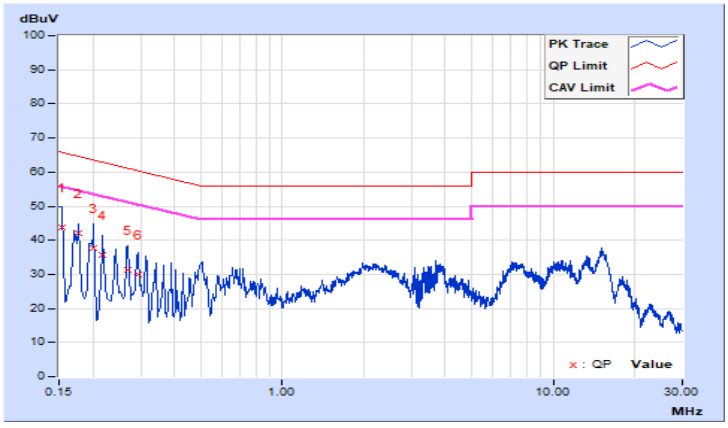
Mode B

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Luis Lee		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15400	9.66	34.11	12.01	43.77	21.67	65.78	55.78	-22.01	-34.11
2	0.17800	9.68	32.56	20.63	42.24	30.31	64.58	54.58	-22.34	-24.27
3	0.20200	9.70	28.09	10.77	37.79	20.47	63.53	53.53	-25.74	-33.06
4	0.21800	9.71	25.90	10.98	35.61	20.69	62.89	52.89	-27.28	-32.20
5	0.26780	9.73	21.74	7.26	31.47	16.99	61.19	51.19	-29.72	-34.20
6	0.29400	9.74	20.22	7.14	29.96	16.88	60.41	50.41	-30.45	-33.53

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

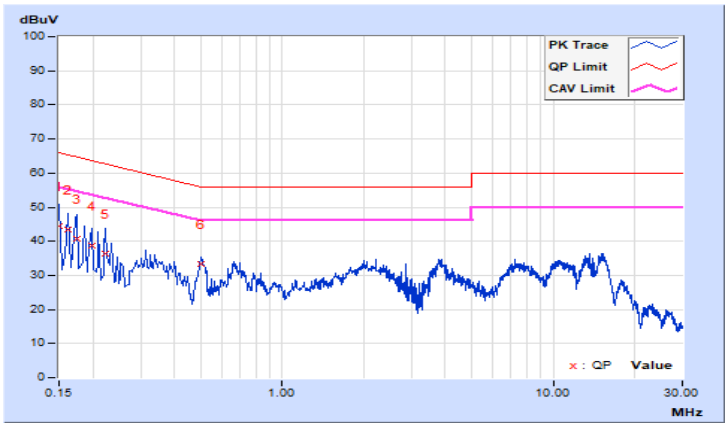


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 67% RH
Tested By	Luis Lee		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	9.66	34.79	11.34	44.45	21.00	66.00	56.00	-21.55	-35.00
2	0.16190	9.67	33.73	19.01	43.40	28.68	65.37	55.37	-21.97	-26.69
3	0.17400	9.68	31.01	14.25	40.69	23.93	64.77	54.77	-24.08	-30.84
4	0.19780	9.70	28.91	16.98	38.61	26.68	63.70	53.70	-25.09	-27.02
5	0.22200	9.71	26.73	15.49	36.44	25.20	62.74	52.74	-26.30	-27.54
6	**0.50133**	**9.78**	**23.64**	**20.75**	**33.42**	**30.53**	**56.00**	**46.00**	**-22.58**	**-15.47**

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



7.8 Unwanted Emissions below 1 GHz

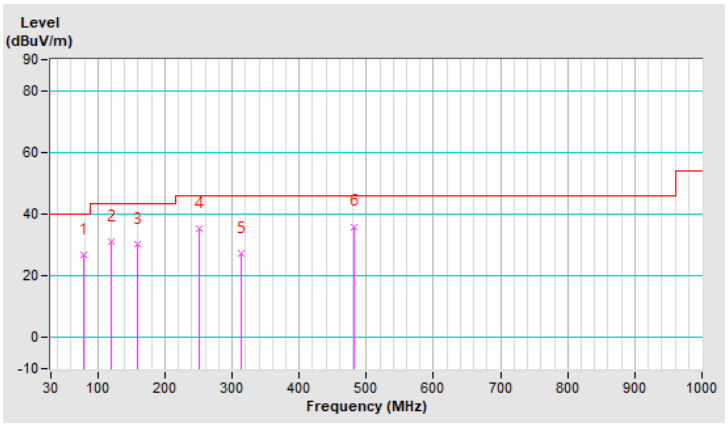
Mode A

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 70% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	79.47	26.9 QP	40.0	-13.1	1.00 H	10	39.7	-12.8
2	119.24	31.2 QP	43.5	-12.3	1.49 H	280	42.2	-11.0
3	159.98	30.3 QP	43.5	-13.2	1.49 H	260	38.9	-8.6
4	250.19	35.5 QP	46.0	-10.5	1.00 H	220	44.7	-9.2
5	313.24	27.2 QP	46.0	-18.8	1.00 H	126	34.3	-7.1
6	482.02	36.0 QP	46.0	-10.0	1.49 H	347	40.5	-4.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

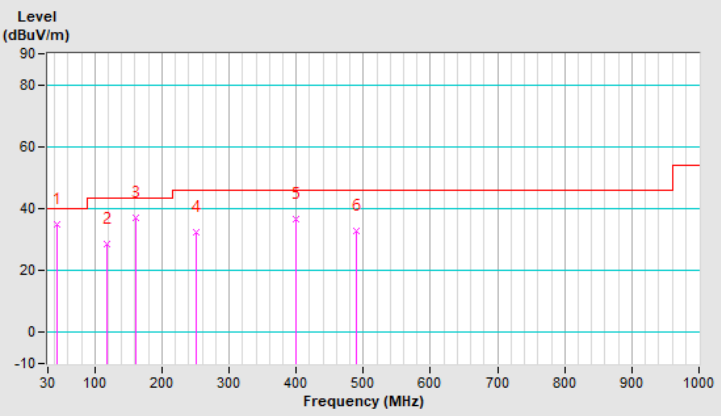


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24°C, 70% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	**44.55**	**34.8 QP**	**40.0**	**-5.2**	**1.00 V**	**203**	**43.9**	**-9.1**
2	117.30	28.6 QP	43.5	-14.9	1.00 V	4	39.8	-11.2
3	160.95	37.0 QP	43.5	-6.5	1.00 V	243	45.5	-8.5
4	250.19	32.5 QP	46.0	-13.5	1.00 V	71	41.7	-9.2
5	399.57	36.8 QP	46.0	-9.2	1.00 V	192	42.7	-5.9
6	489.78	32.7 QP	46.0	-13.3	1.00 V	353	37.2	-4.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



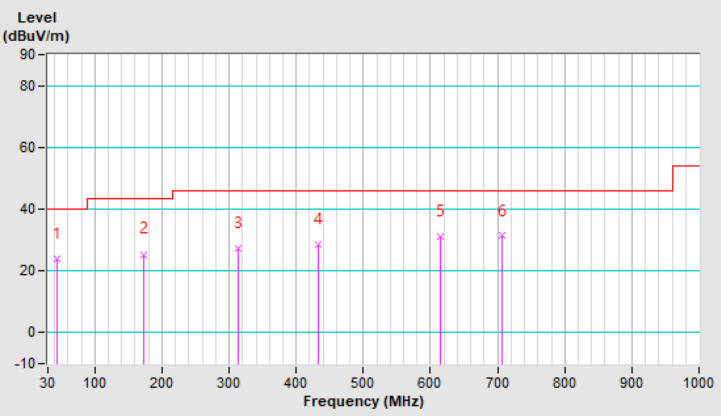
Mode B

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 70% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	23.7 QP	40.0	-16.3	1.00 H	134	32.9	-9.2
2	172.59	25.4 QP	43.5	-18.1	1.49 H	289	34.5	-9.1
3	313.24	27.2 QP	46.0	-18.8	1.00 H	126	34.3	-7.1
4	433.52	28.7 QP	46.0	-17.3	1.49 H	234	33.8	-5.1
5	614.91	31.1 QP	46.0	-14.9	1.00 H	154	32.4	-1.3
6	706.09	31.3 QP	46.0	-14.7	1.00 H	58	31.2	0.1

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 emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

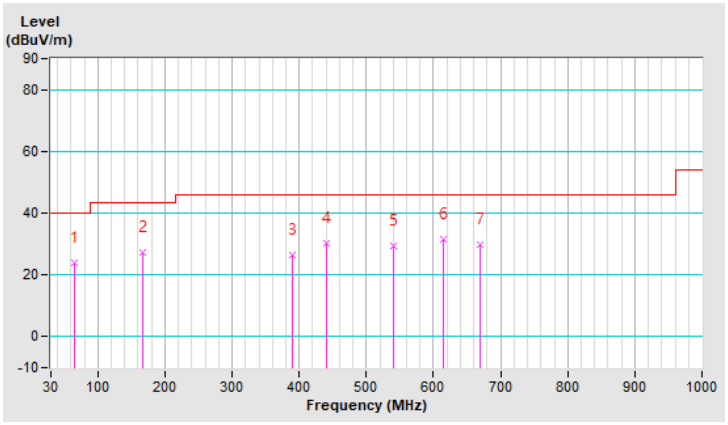


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24°C, 70% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	65.89	23.8 QP	40.0	-16.2	1.49 V	183	34.0	-10.2
2	166.77	27.4 QP	43.5	-16.1	1.00 V	253	36.1	-8.7
3	388.90	26.6 QP	46.0	-19.4	1.00 V	100	32.5	-5.9
4	440.31	30.1 QP	46.0	-15.9	1.00 V	109	35.0	-4.9
5	541.19	29.5 QP	46.0	-16.5	1.00 V	3	33.0	-3.5
6	**614.91**	**31.6 QP**	**46.0**	**-14.4**	**1.49 V**	**108**	**32.9**	**-1.3**
7	669.23	29.7 QP	46.0	-16.3	1.00 V	175	30.4	-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 emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.9 Unwanted Emissions above 1 GHz

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5142.40	63.8 PK	74.0	-10.2	3.68 H	230	51.2	12.6
2	5142.40	47.3 AV	54.0	-6.7	3.68 H	230	34.7	12.6
3	*5180.00	110.3 PK			3.68 H	230	67.7	42.6
4	*5180.00	99.9 AV			3.68 H	230	57.3	42.6
5	#10360.00	62.2 PK	68.2	-6.0	1.95 H	217	39.8	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	68.0 PK	74.0	-6.0	1.41 V	170	55.5	12.5
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**1.41 V**	**170**	**41.4**	**12.5**
3	*5180.00	123.0 PK			1.41 V	170	80.4	42.6
4	*5180.00	113.4 AV			1.41 V	170	70.8	42.6
5	#10360.00	61.7 PK	68.2	-6.5	1.55 V	182	39.3	22.4

Remarks:

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

RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.9 PK	74.0	-14.1	3.42 H	231	47.4	12.5
2	5150.00	46.6 AV	54.0	-7.4	3.42 H	231	34.1	12.5
3	*5200.00	110.0 PK			3.42 H	231	67.5	42.5
4	*5200.00	99.8 AV			3.42 H	231	57.3	42.5
5	#10400.00	62.6 PK	68.2	-5.6	1.88 H	215	39.9	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.2 PK	74.0	-5.8	2.04 V	169	55.7	12.5
2	5150.00	53.7 AV	54.0	-0.3	2.04 V	169	41.2	12.5
3	*5200.00	124.2 PK			2.04 V	169	81.7	42.5
4	*5200.00	114.6 AV			2.04 V	169	72.1	42.5
5	#10400.00	61.9 PK	68.2	-6.3	1.58 V	177	39.2	22.7

Remarks:

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

RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.1 PK			3.58 H	231	68.7	42.4
2	*5240.00	101.5 AV			3.58 H	231	59.1	42.4
3	5350.00	61.2 PK	74.0	-12.8	3.58 H	231	48.9	12.3
4	5350.00	47.1 AV	54.0	-6.9	3.58 H	231	34.8	12.3
5	#10480.00	63.2 PK	68.2	-5.0	1.85 H	216	40.5	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	126.2 PK			1.65 V	353	83.8	42.4
2	*5240.00	116.0 AV			1.65 V	353	73.6	42.4
3	5350.00	61.5 PK	74.0	-12.5	1.65 V	353	49.2	12.3
4	5350.00	48.1 AV	54.0	-5.9	1.65 V	353	35.8	12.3
5	#10480.00	63.4 PK	68.2	-4.8	1.42 V	156	40.7	22.7

Remarks:

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

RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.63 H	140	47.5	12.5
2	5150.00	46.7 AV	54.0	-7.3	1.63 H	140	34.2	12.5
3	*5260.00	104.7 PK			1.63 H	140	62.3	42.4
4	*5260.00	95.7 AV			1.63 H	140	53.3	42.4
5	#10520.00	61.8 PK	68.2	-6.4	2.29 H	195	39.3	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	1.51 V	346	48.4	12.5
2	5150.00	48.0 AV	54.0	-6.0	1.51 V	346	35.5	12.5
3	*5260.00	121.0 PK			1.51 V	346	78.6	42.4
4	*5260.00	111.6 AV			1.51 V	346	69.2	42.4
5	#10520.00	62.2 PK	68.2	-6.0	1.82 V	175	39.7	22.5

Remarks:

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

RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	103.9 PK			1.61 H	141	61.4	42.5
2	*5300.00	95.1 AV			1.61 H	141	52.6	42.5
3	10600.00	61.9 PK	74.0	-12.1	2.28 H	185	39.5	22.4
4	10600.00	48.4 AV	54.0	-5.6	2.28 H	185	26.0	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	120.8 PK			1.51 V	342	78.3	42.5
2	*5300.00	111.6 AV			1.51 V	342	69.1	42.5
3	10600.00	62.2 PK	74.0	-11.8	1.85 V	168	39.8	22.4
4	10600.00	48.6 AV	54.0	-5.4	1.85 V	168	26.2	22.4

Remarks:

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

RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	105.3 PK			1.61 H	140	62.8	42.5
2	*5320.00	96.0 AV			1.61 H	140	53.5	42.5
3	5350.00	59.9 PK	74.0	-14.1	1.61 H	140	47.6	12.3
4	5350.00	46.5 AV	54.0	-7.5	1.61 H	140	34.2	12.3
5	10640.00	62.1 PK	74.0	-11.9	2.28 H	187	39.4	22.7
6	10640.00	48.5 AV	54.0	-5.5	2.28 H	187	25.8	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	121.7 PK			1.50 V	342	79.2	42.5
2	*5320.00	112.2 AV			1.50 V	342	69.7	42.5
3	5350.00	73.3 PK	74.0	-0.7	1.50 V	342	61.0	12.3
4	5350.00	51.1 AV	54.0	-2.9	1.50 V	342	38.8	12.3
5	10640.00	62.4 PK	74.0	-11.6	1.78 V	165	39.7	22.7
6	10640.00	48.8 AV	54.0	-5.2	1.78 V	165	26.1	22.7

Remarks:

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

RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	1.59 H	329	47.8	12.7
2	5460.00	47.2 AV	54.0	-6.8	1.59 H	329	34.5	12.7
3	#5470.00	61.0 PK	68.2	-7.2	1.59 H	329	48.4	12.6
4	*5500.00	110.8 PK			1.59 H	329	67.7	43.1
5	*5500.00	101.3 AV			1.59 H	329	58.2	43.1
6	11000.00	62.1 PK	74.0	-11.9	2.29 H	187	39.2	22.9
7	11000.00	48.8 AV	54.0	-5.2	2.29 H	187	25.9	22.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	1.73 V	311	48.0	12.7
2	5460.00	47.5 AV	54.0	-6.5	1.73 V	311	34.8	12.7
3	#5470.00	67.6 PK	68.2	-0.6	1.73 V	311	55.0	12.6
4	*5500.00	116.9 PK			1.73 V	311	73.8	43.1
5	*5500.00	107.4 AV			1.73 V	311	64.3	43.1
6	11000.00	62.4 PK	74.0	-11.6	1.85 V	162	39.5	22.9
7	11000.00	49.1 AV	54.0	-4.9	1.85 V	162	26.2	22.9

Remarks:

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

RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.3 PK			1.57 H	330	68.4	42.9
2	*5580.00	101.9 AV			1.57 H	330	59.0	42.9
3	11160.00	62.2 PK	74.0	-11.8	2.24 H	192	39.0	23.2
4	11160.00	49.0 AV	54.0	-5.0	2.24 H	192	25.8	23.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	117.2 PK			1.81 V	314	74.3	42.9
2	*5580.00	107.7 AV			1.81 V	314	64.8	42.9
3	11160.00	62.6 PK	74.0	-11.4	1.87 V	165	39.4	23.2
4	11160.00	49.3 AV	54.0	-4.7	1.87 V	165	26.1	23.2

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 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.7 PK			1.48 H	334	67.7	43.0
2	*5700.00	101.6 AV			1.48 H	334	58.6	43.0
3	#5725.00	63.3 PK	68.2	-4.9	1.48 H	334	50.2	13.1
4	11400.00	63.2 PK	74.0	-10.8	2.25 H	187	39.2	24.0
5	11400.00	50.0 AV	54.0	-4.0	2.25 H	187	26.0	24.0
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	*5700.00	116.4 PK			1.75 V	314	73.4	43.0
2	*5700.00	106.4 AV			1.75 V	314	63.4	43.0
3	#5725.00	67.9 PK	68.2	-0.3	1.75 V	314	54.8	13.1
4	11400.00	63.5 PK	74.0	-10.5	1.89 V	163	39.5	24.0
5	11400.00	50.2 AV	54.0	-3.8	1.89 V	163	26.2	24.0

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 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.1 PK	68.2	-8.1	1.42 H	338	47.5	12.6
2	*5720.00	111.6 PK			1.42 H	338	68.4	43.2
3	*5720.00	102.2 AV			1.42 H	338	59.0	43.2
4	#5850.00	61.2 PK	68.2	-7.0	1.42 H	338	47.8	13.4
5	11440.00	63.2 PK	74.0	-10.8	2.23 H	185	39.2	24.0
6	11440.00	49.8 AV	54.0	-4.2	2.23 H	185	25.8	24.0
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	#5470.00	60.4 PK	68.2	-7.8	1.75 V	313	47.8	12.6
2	*5720.00	116.3 PK			1.75 V	313	73.1	43.2
3	*5720.00	106.6 AV			1.75 V	313	63.4	43.2
4	#5850.00	61.4 PK	68.2	-6.8	1.75 V	313	48.0	13.4
5	11440.00	63.5 PK	74.0	-10.5	1.85 V	166	39.5	24.0
6	11440.00	50.0 AV	54.0	-4.0	1.85 V	166	26.0	24.0

Remarks:

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

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5621.20	62.7 PK	68.2	-5.5	1.50 H	337	50.2	12.5
2	*5745.00	117.3 PK			1.50 H	337	73.9	43.4
3	*5745.00	108.3 AV			1.50 H	337	64.9	43.4
4	#5940.00	62.3 PK	68.2	-5.9	1.50 H	337	48.6	13.7
5	11490.00	63.3 PK	74.0	-10.7	1.95 H	201	39.3	24.0
6	11490.00	50.5 AV	54.0	-3.5	1.95 H	201	26.5	24.0
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	#5600.00	62.0 PK	68.2	-6.2	2.02 V	73	49.7	12.3
2	*5745.00	121.1 PK			2.02 V	73	77.7	43.4
3	*5745.00	111.9 AV			2.02 V	73	68.5	43.4
4	#5957.20	61.1 PK	68.2	-7.1	2.02 V	73	47.4	13.7
5	11490.00	63.5 PK	74.0	-10.5	1.52 V	165	39.5	24.0
6	11490.00	50.8 AV	54.0	-3.2	1.52 V	165	26.8	24.0

Remarks:

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

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.40	65.3 PK	68.2	-2.9	1.48 H	337	52.6	12.7
2	*5785.00	116.5 PK			1.48 H	337	72.9	43.6
3	*5785.00	107.4 AV			1.48 H	337	63.8	43.6
4	#5940.40	63.9 PK	68.2	-4.3	1.48 H	337	50.2	13.7
5	11570.00	62.9 PK	74.0	-11.1	2.05 H	236	39.0	23.9
6	11570.00	50.3 AV	54.0	-3.7	2.05 H	236	26.4	23.9
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	#5623.60	66.6 PK	68.2	-1.6	1.90 V	75	54.1	12.5
2	*5785.00	121.7 PK			1.90 V	75	78.1	43.6
3	*5785.00	112.6 AV			1.90 V	75	69.0	43.6
4	#5932.00	66.9 PK	68.2	-1.3	1.90 V	75	53.2	13.7
5	11570.00	63.5 PK	74.0	-10.5	1.56 V	163	39.6	23.9
6	11570.00	50.7 AV	54.0	-3.3	1.56 V	163	26.8	23.9

Remarks:

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

RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.80	59.8 PK	68.2	-8.4	1.49 H	334	47.1	12.7
2	*5825.00	116.7 PK			1.49 H	334	72.9	43.8
3	*5825.00	107.1 AV			1.49 H	334	63.3	43.8
4	#5978.80	61.6 PK	68.2	-6.6	1.49 H	334	47.9	13.7
5	11650.00	62.7 PK	74.0	-11.3	1.99 H	204	39.4	23.3
6	11650.00	49.8 AV	54.0	-4.2	1.99 H	204	26.5	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5602.00	60.8 PK	68.2	-7.4	1.92 V	71	48.4	12.4
2	*5825.00	121.7 PK			1.92 V	71	77.9	43.8
3	*5825.00	112.4 AV			1.92 V	71	68.6	43.8
4	#5971.20	61.7 PK	68.2	-6.5	1.92 V	71	48.0	13.7
5	11650.00	62.9 PK	74.0	-11.1	1.58 V	161	39.6	23.3
6	11650.00	50.1 AV	54.0	-3.9	1.58 V	161	26.8	23.3

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	3.24 H	341	46.7	12.5
2	5150.00	46.3 AV	54.0	-7.7	3.24 H	341	33.8	12.5
3	*5180.00	110.5 PK			3.24 H	341	67.9	42.6
4	*5180.00	97.5 AV			3.24 H	341	54.9	42.6
5	#10360.00	62.8 PK	68.2	-5.4	1.78 H	225	40.4	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.0 PK	74.0	-7.0	2.02 V	168	54.5	12.5
2	5150.00	53.2 AV	54.0	-0.8	2.02 V	168	40.7	12.5
3	*5180.00	124.5 PK			2.02 V	168	81.9	42.6
4	*5180.00	112.6 AV			2.02 V	168	70.0	42.6
5	#10360.00	61.6 PK	68.2	-6.6	1.48 V	180	39.2	22.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.9 PK	74.0	-12.1	3.03 H	332	49.4	12.5
2	5150.00	46.4 AV	54.0	-7.6	3.03 H	332	33.9	12.5
3	*5200.00	111.5 PK			3.03 H	332	69.0	42.5
4	*5200.00	99.3 AV			3.03 H	332	56.8	42.5
5	#10400.00	62.4 PK	68.2	-5.8	1.75 H	228	39.7	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	73.5 PK	74.0	-0.5	1.76 V	14	61.0	12.5
2	5150.00	52.4 AV	54.0	-1.6	1.76 V	14	39.9	12.5
3	*5200.00	126.1 PK			1.76 V	14	83.6	42.5
4	*5200.00	114.2 AV			1.76 V	14	71.7	42.5
5	#10400.00	63.3 PK	68.2	-4.9	1.49 V	163	40.6	22.7

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	3.43 H	332	46.9	12.5
2	5150.00	46.7 AV	54.0	-7.3	3.43 H	332	34.2	12.5
3	*5240.00	113.0 PK			3.43 H	332	70.6	42.4
4	*5240.00	100.7 AV			3.43 H	332	58.3	42.4
5	5350.00	59.2 PK	74.0	-14.8	3.43 H	332	46.9	12.3
6	5350.00	46.0 AV	54.0	-8.0	3.43 H	332	33.7	12.3
7	#10480.00	62.4 PK	68.2	-5.8	1.79 H	224	39.7	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.80	70.4 PK	74.0	-3.6	1.72 V	16	57.8	12.6
2	5149.80	52.6 AV	54.0	-1.4	1.72 V	16	40.0	12.6
3	*5240.00	128.6 PK			1.72 V	16	86.2	42.4
4	*5240.00	116.7 AV			1.72 V	16	74.3	42.4
5	5351.00	66.8 PK	74.0	-7.2	1.72 V	16	54.5	12.3
6	5351.00	51.0 AV	54.0	-3.0	1.72 V	16	38.7	12.3
7	#10480.00	62.9 PK	68.2	-5.3	1.44 V	169	40.2	22.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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 (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.62 H	140	47.5	12.5
2	5150.00	46.8 AV	54.0	-7.2	1.62 H	140	34.3	12.5
3	*5260.00	106.5 PK			1.62 H	140	64.1	42.4
4	*5260.00	94.7 AV			1.62 H	140	52.3	42.4
5	#10520.00	61.9 PK	68.2	-6.3	2.21 H	197	39.4	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.51 V	345	47.8	12.5
2	5150.00	47.6 AV	54.0	-6.4	1.51 V	345	35.1	12.5
3	*5260.00	122.6 PK			1.51 V	345	80.2	42.4
4	*5260.00	111.0 AV			1.51 V	345	68.6	42.4
5	#10520.00	62.3 PK	68.2	-5.9	1.88 V	177	39.8	22.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	105.9 PK			1.62 H	142	63.4	42.5
2	*5300.00	94.0 AV			1.62 H	142	51.5	42.5
3	10600.00	61.7 PK	74.0	-12.3	2.25 H	187	39.3	22.4
4	10600.00	48.4 AV	54.0	-5.6	2.25 H	187	26.0	22.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	123.1 PK			1.51 V	341	80.6	42.5
2	*5300.00	111.2 AV			1.51 V	341	68.7	42.5
3	10600.00	62.0 PK	74.0	-12.0	1.88 V	169	39.6	22.4
4	10600.00	48.6 AV	54.0	-5.4	1.88 V	169	26.2	22.4

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.3 PK			1.59 H	139	63.8	42.5
2	*5320.00	93.4 AV			1.59 H	139	50.9	42.5
3	5350.00	59.5 PK	74.0	-14.5	1.59 H	139	47.2	12.3
4	5350.00	46.5 AV	54.0	-7.5	1.59 H	139	34.2	12.3
5	10640.00	61.9 PK	74.0	-12.1	2.28 H	193	39.2	22.7
6	10640.00	48.4 AV	54.0	-5.6	2.28 H	193	25.7	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	122.3 PK			1.52 V	338	79.8	42.5
2	*5320.00	109.7 AV			1.52 V	338	67.2	42.5
3	5350.00	73.3 PK	74.0	-0.7	1.52 V	338	61.0	12.3
4	5350.00	48.7 AV	54.0	-5.3	1.52 V	338	36.4	12.3
5	10640.00	62.2 PK	74.0	-11.8	1.88 V	165	39.5	22.7
6	10640.00	48.7 AV	54.0	-5.3	1.88 V	165	26.0	22.7

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.2 PK	74.0	-13.8	1.44 H	326	47.5	12.7
2	5460.00	46.9 AV	54.0	-7.1	1.44 H	326	34.2	12.7
3	#5470.00	66.6 PK	68.2	-1.6	1.44 H	326	54.0	12.6
4	*5500.00	113.7 PK			1.44 H	326	70.6	43.1
5	*5500.00	100.4 AV			1.44 H	326	57.3	43.1
6	11000.00	61.9 PK	74.0	-12.1	2.28 H	196	39.0	22.9
7	11000.00	48.7 AV	54.0	-5.3	2.28 H	196	25.8	22.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	1.65 V	315	47.8	12.7
2	5460.00	47.2 AV	54.0	-6.8	1.65 V	315	34.5	12.7
3	#5470.00	68.0 PK	68.2	-0.2	1.65 V	315	55.4	12.6
4	*5500.00	119.2 PK			1.65 V	315	76.1	43.1
5	*5500.00	106.1 AV			1.65 V	315	63.0	43.1
6	11000.00	62.3 PK	74.0	-11.7	1.82 V	168	39.4	22.9
7	11000.00	49.0 AV	54.0	-5.0	1.82 V	168	26.1	22.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.5 PK			1.46 H	276	70.6	42.9
2	*5580.00	101.5 AV			1.46 H	276	58.6	42.9
3	11160.00	62.2 PK	74.0	-11.8	2.29 H	187	39.0	23.2
4	11160.00	49.0 AV	54.0	-5.0	2.29 H	187	25.8	23.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	119.9 PK			1.65 V	312	77.0	42.9
2	*5580.00	107.1 AV			1.65 V	312	64.2	42.9
3	11160.00	62.6 PK	74.0	-11.4	1.87 V	167	39.4	23.2
4	11160.00	49.3 AV	54.0	-4.7	1.87 V	167	26.1	23.2

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 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.4 PK			2.38 H	190	72.4	43.0
2	*5700.00	103.3 AV			2.38 H	190	60.3	43.0
3	#5725.00	60.9 PK	68.2	-7.3	2.38 H	190	47.8	13.1
4	11400.00	62.7 PK	74.0	-11.3	2.31 H	184	38.7	24.0
5	11400.00	49.6 AV	54.0	-4.4	2.31 H	184	25.6	24.0
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	*5700.00	120.2 PK			1.63 V	222	77.2	43.0
2	*5700.00	108.5 AV			1.63 V	222	65.5	43.0
3	#5725.00	63.0 PK	68.2	-5.2	1.63 V	222	49.9	13.1
4	11400.00	63.2 PK	74.0	-10.8	1.88 V	162	39.2	24.0
5	11400.00	50.2 AV	54.0	-3.8	1.88 V	162	26.2	24.0

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 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.1 PK	68.2	-8.1	1.51 H	338	47.5	12.6
2	*5720.00	113.9 PK			1.51 H	338	70.7	43.2
3	*5720.00	102.1 AV			1.51 H	338	58.9	43.2
4	#5850.00	60.8 PK	68.2	-7.4	1.51 H	338	47.4	13.4
5	11440.00	63.2 PK	74.0	-10.8	2.21 H	192	39.2	24.0
6	11440.00	49.7 AV	54.0	-4.3	2.21 H	192	25.7	24.0
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	#5470.00	60.6 PK	68.2	-7.6	1.58 V	314	48.0	12.6
2	*5720.00	118.3 PK			1.58 V	314	75.1	43.2
3	*5720.00	107.0 AV			1.58 V	314	63.8	43.2
4	#5850.00	61.1 PK	68.2	-7.1	1.58 V	314	47.7	13.4
5	11440.00	63.4 PK	74.0	-10.6	1.82 V	165	39.4	24.0
6	11440.00	50.0 AV	54.0	-4.0	1.82 V	165	26.0	24.0

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 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5600.40	60.5 PK	68.2	-7.7	1.50 H	338	48.1	12.4
2	*5745.00	118.2 PK			1.50 H	338	74.8	43.4
3	*5745.00	106.5 AV			1.50 H	338	63.1	43.4
4	#5955.60	61.3 PK	68.2	-6.9	1.50 H	338	47.6	13.7
5	11490.00	63.3 PK	74.0	-10.7	1.99 H	208	39.3	24.0
6	11490.00	50.4 AV	54.0	-3.6	1.99 H	208	26.4	24.0
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	#5632.00	67.9 PK	68.2	-0.3	1.88 V	73	55.2	12.7
2	*5745.00	124.1 PK			1.88 V	73	80.7	43.4
3	*5745.00	112.2 AV			1.88 V	73	68.8	43.4
4	#5947.60	61.8 PK	68.2	-6.4	1.88 V	73	48.1	13.7
5	11490.00	63.7 PK	74.0	-10.3	1.55 V	165	39.7	24.0
6	11490.00	50.7 AV	54.0	-3.3	1.55 V	165	26.7	24.0

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.00	63.2 PK	68.2	-5.0	1.50 H	338	50.5	12.7
2	*5785.00	118.7 PK			1.50 H	338	75.1	43.6
3	*5785.00	106.5 AV			1.50 H	338	62.9	43.6
4	#5940.80	62.2 PK	68.2	-6.0	1.50 H	338	48.5	13.7
5	11570.00	63.3 PK	74.0	-10.7	1.86 H	214	39.4	23.9
6	11570.00	50.2 AV	54.0	-3.8	1.86 H	214	26.3	23.9
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	#5626.00	67.3 PK	68.2	-0.9	1.92 V	72	54.7	12.6
2	*5785.00	124.9 PK			1.92 V	72	81.3	43.6
3	*5785.00	112.7 AV			1.92 V	72	69.1	43.6
4	#5930.80	66.6 PK	68.2	-1.6	1.92 V	72	52.8	13.8
5	11570.00	63.4 PK	74.0	-10.6	1.56 V	164	39.5	23.9
6	11570.00	50.4 AV	54.0	-3.6	1.56 V	164	26.5	23.9

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5601.60	60.3 PK	68.2	-7.9	1.50 H	336	47.9	12.4
2	*5825.00	119.0 PK			1.50 H	336	75.2	43.8
3	*5825.00	107.0 AV			1.50 H	336	63.2	43.8
4	#5936.40	62.1 PK	68.2	-6.1	1.50 H	336	48.4	13.7
5	11650.00	62.9 PK	74.0	-11.1	1.92 H	200	39.6	23.3
6	11650.00	49.8 AV	54.0	-4.2	1.92 H	200	26.5	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5602.40	61.9 PK	68.2	-6.3	1.92 V	72	49.4	12.5
2	*5825.00	124.6 PK			1.92 V	72	80.8	43.8
3	*5825.00	112.6 AV			1.92 V	72	68.8	43.8
4	#5938.40	64.4 PK	68.2	-3.8	1.92 V	72	50.7	13.7
5	11650.00	63.1 PK	74.0	-10.9	1.59 V	162	39.8	23.3
6	11650.00	50.0 AV	54.0	-4.0	1.59 V	162	26.7	23.3

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	3.46 H	343	46.9	12.5
2	5150.00	46.1 AV	54.0	-7.9	3.46 H	343	33.6	12.5
3	*5190.00	105.1 PK			3.46 H	343	62.5	42.6
4	*5190.00	93.5 AV			3.46 H	343	50.9	42.6
5	#10380.00	62.0 PK	68.2	-6.2	1.95 H	224	39.5	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.8 PK	74.0	-9.2	1.79 V	169	52.3	12.5
2	5150.00	53.6 AV	54.0	-0.4	1.79 V	169	41.1	12.5
3	*5190.00	120.7 PK			1.79 V	169	78.1	42.6
4	*5190.00	108.3 AV			1.79 V	169	65.7	42.6
5	#10380.00	61.7 PK	68.2	-6.5	1.58 V	188	39.2	22.5

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	3.49 H	333	47.5	12.5
2	5150.00	46.2 AV	54.0	-7.8	3.49 H	333	33.7	12.5
3	*5230.00	108.8 PK			3.49 H	333	66.4	42.4
4	*5230.00	97.2 AV			3.49 H	333	54.8	42.4
5	5350.00	58.9 PK	74.0	-15.1	3.49 H	333	46.6	12.3
6	5350.00	46.0 AV	54.0	-8.0	3.49 H	333	33.7	12.3
7	#10460.00	62.2 PK	68.2	-6.0	1.79 H	236	39.5	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5138.30	72.3 PK	74.0	-1.7	1.76 V	15	59.7	12.6
2	5138.30	53.3 AV	54.0	-0.7	1.76 V	15	40.7	12.6
3	*5230.00	124.4 PK			1.76 V	15	82.0	42.4
4	*5230.00	111.5 AV			1.76 V	15	69.1	42.4
5	5354.70	67.8 PK	74.0	-6.2	1.76 V	15	55.5	12.3
6	5354.70	50.1 AV	54.0	-3.9	1.76 V	15	37.8	12.3
7	#10460.00	62.4 PK	68.2	-5.8	1.52 V	173	39.7	22.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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 (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.56 H	113	47.5	12.5
2	5150.00	46.8 AV	54.0	-7.2	1.56 H	113	34.3	12.5
3	*5270.00	105.8 PK			1.56 H	113	63.4	42.4
4	*5270.00	92.1 AV			1.56 H	113	49.7	42.4
5	5350.00	59.9 PK	74.0	-14.1	1.56 H	113	47.6	12.3
6	5350.00	46.3 AV	54.0	-7.7	1.56 H	113	34.0	12.3
7	#10540.00	61.7 PK	68.2	-6.5	2.28 H	179	39.2	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	1.59 V	339	47.9	12.5
2	5150.00	48.0 AV	54.0	-6.0	1.59 V	339	35.5	12.5
3	*5270.00	120.8 PK			1.59 V	339	78.4	42.4
4	*5270.00	108.6 AV			1.59 V	339	66.2	42.4
5	5350.00	71.9 PK	74.0	-2.1	1.59 V	339	59.6	12.3
6	5350.00	50.0 AV	54.0	-4.0	1.59 V	339	37.7	12.3
7	#10540.00	62.0 PK	68.2	-6.2	1.82 V	169	39.5	22.5

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.1 PK			1.72 H	22	67.6	42.5
2	*5310.00	97.4 AV			1.72 H	22	54.9	42.5
3	5351.00	59.8 PK	74.0	-14.2	1.72 H	22	47.5	12.3
4	5351.00	46.7 AV	54.0	-7.3	1.72 H	22	34.4	12.3
5	10620.00	61.0 PK	74.0	-13.0	2.35 H	192	38.4	22.6
6	10620.00	47.9 AV	54.0	-6.1	2.35 H	192	25.3	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	121.4 PK			1.92 V	356	78.9	42.5
2	*5310.00	109.1 AV			1.92 V	356	66.6	42.5
3	5351.00	68.0 PK	74.0	-6.0	1.92 V	356	55.7	12.3
4	5351.00	53.5 AV	54.0	-0.5	1.92 V	356	41.2	12.3
5	10620.00	61.8 PK	74.0	-12.2	1.84 V	162	39.2	22.6
6	10620.00	48.7 AV	54.0	-5.3	1.84 V	162	26.1	22.6

Remarks:

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

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 (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	1.39 H	277	48.6	12.7
2	5460.00	48.1 AV	54.0	-5.9	1.39 H	277	35.4	12.7
3	#5470.00	62.8 PK	68.2	-5.4	1.39 H	277	50.2	12.6
4	*5510.00	113.1 PK			1.39 H	277	70.0	43.1
5	*5510.00	100.8 AV			1.39 H	277	57.7	43.1
6	11020.00	61.5 PK	74.0	-12.5	2.26 H	185	38.6	22.9
7	11020.00	49.2 AV	54.0	-4.8	2.26 H	185	26.3	22.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.6 PK	74.0	-11.4	1.23 V	236	49.9	12.7
2	5460.00	48.5 AV	54.0	-5.5	1.23 V	236	35.8	12.7
3	#5470.00	63.2 PK	68.2	-5.0	1.23 V	236	50.6	12.6
4	*5510.00	118.8 PK			1.23 V	236	75.7	43.1
5	*5510.00	106.5 AV			1.23 V	236	63.4	43.1
6	11020.00	62.3 PK	74.0	-11.7	1.92 V	158	39.4	22.9
7	11020.00	49.4 AV	54.0	-4.6	1.92 V	158	26.5	22.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.3 PK			1.53 H	333	67.3	43.0
2	*5550.00	97.6 AV			1.53 H	333	54.6	43.0
3	11100.00	62.0 PK	74.0	-12.0	2.28 H	185	39.0	23.0
4	11100.00	48.7 AV	54.0	-5.3	2.28 H	185	25.7	23.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	116.7 PK			1.61 V	314	73.7	43.0
2	*5550.00	103.8 AV			1.61 V	314	60.8	43.0
3	11100.00	62.2 PK	74.0	-11.8	1.92 V	168	39.2	23.0
4	11100.00	48.8 AV	54.0	-5.2	1.92 V	168	25.8	23.0

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	110.4 PK			1.54 H	335	67.3	43.1
2	*5670.00	98.7 AV			1.54 H	335	55.6	43.1
3	#5725.00	64.2 PK	68.2	-4.0	1.54 H	335	51.1	13.1
4	11340.00	62.6 PK	74.0	-11.4	2.21 H	189	39.0	23.6
5	11340.00	49.1 AV	54.0	-4.9	2.21 H	189	25.5	23.6
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	*5670.00	115.7 PK			1.64 V	312	72.6	43.1
2	*5670.00	103.3 AV			1.64 V	312	60.2	43.1
3	#5725.00	67.9 PK	68.2	-0.3	1.64 V	312	54.8	13.1
4	11340.00	62.9 PK	74.0	-11.1	1.95 V	172	39.3	23.6
5	11340.00	49.3 AV	54.0	-4.7	1.95 V	172	25.7	23.6

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 (EHT40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	1.58 H	336	48.0	12.6
2	*5710.00	111.8 PK			1.58 H	336	68.7	43.1
3	*5710.00	99.1 AV			1.58 H	336	56.0	43.1
4	#5850.00	60.9 PK	68.2	-7.3	1.58 H	336	47.5	13.4
5	11420.00	63.1 PK	74.0	-10.9	2.23 H	187	39.0	24.1
6	11420.00	49.7 AV	54.0	-4.3	2.23 H	187	25.6	24.1
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	#5470.00	61.1 PK	68.2	-7.1	1.56 V	312	48.5	12.6
2	*5710.00	116.5 PK			1.56 V	312	73.4	43.1
3	*5710.00	104.1 AV			1.56 V	312	61.0	43.1
4	#5850.00	61.2 PK	68.2	-7.0	1.56 V	312	47.8	13.4
5	11420.00	63.3 PK	74.0	-10.7	1.89 V	175	39.2	24.1
6	11420.00	49.9 AV	54.0	-4.1	1.89 V	175	25.8	24.1

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 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.60	61.4 PK	68.2	-6.8	1.49 H	339	48.9	12.5
2	*5755.00	114.4 PK			1.49 H	339	71.0	43.4
3	*5755.00	103.2 AV			1.49 H	339	59.8	43.4
4	#5972.40	61.8 PK	68.2	-6.4	1.49 H	339	48.1	13.7
5	11510.00	62.9 PK	74.0	-11.1	1.88 H	230	39.0	23.9
6	11510.00	50.1 AV	54.0	-3.9	1.88 H	230	26.2	23.9
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	#5643.20	67.8 PK	68.2	-0.4	2.05 V	72	55.1	12.7
2	*5755.00	120.4 PK			2.05 V	72	77.0	43.4
3	*5755.00	107.5 AV			2.05 V	72	64.1	43.4
4	#5927.20	63.0 PK	68.2	-5.2	2.05 V	72	49.4	13.6
5	11510.00	63.1 PK	74.0	-10.9	1.54 V	165	39.2	23.9
6	11510.00	50.2 AV	54.0	-3.8	1.54 V	165	26.3	23.9

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.40	62.2 PK	68.2	-6.0	1.50 H	338	49.5	12.7
2	*5795.00	116.2 PK			1.50 H	338	72.5	43.7
3	*5795.00	104.3 AV			1.50 H	338	60.6	43.7
4	#5938.40	62.9 PK	68.2	-5.3	1.50 H	338	49.2	13.7
5	11590.00	62.9 PK	74.0	-11.1	1.91 H	206	39.0	23.9
6	11590.00	50.0 AV	54.0	-4.0	1.91 H	206	26.1	23.9
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	#5645.60	66.3 PK	68.2	-1.9	1.91 V	72	53.6	12.7
2	*5795.00	120.6 PK			1.91 V	72	76.9	43.7
3	*5795.00	108.3 AV			1.91 V	72	64.6	43.7
4	#5929.20	67.5 PK	68.2	-0.7	1.91 V	72	53.9	13.6
5	11590.00	63.0 PK	74.0	-11.0	1.56 V	169	39.1	23.9
6	11590.00	50.1 AV	54.0	-3.9	1.56 V	169	26.2	23.9

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	3.45 H	341	49.5	12.5
2	5150.00	46.2 AV	54.0	-7.8	3.45 H	341	33.7	12.5
3	*5210.00	102.4 PK			3.45 H	341	59.9	42.5
4	*5210.00	90.4 AV			3.45 H	341	47.9	42.5
5	5350.00	58.8 PK	74.0	-15.2	3.45 H	341	46.5	12.3
6	5350.00	45.8 AV	54.0	-8.2	3.45 H	341	33.5	12.3
7	#10420.00	62.1 PK	68.2	-6.1	1.72 H	236	39.5	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	73.8 PK	74.0	-0.2	1.76 V	13	61.3	12.5
2	5150.00	51.3 AV	54.0	-2.7	1.76 V	13	38.8	12.5
3	*5210.00	116.1 PK			1.76 V	13	73.6	42.5
4	*5210.00	104.5 AV			1.76 V	13	62.0	42.5
5	5350.00	62.2 PK	74.0	-11.8	1.76 V	13	49.9	12.3
6	5350.00	47.6 AV	54.0	-6.4	1.76 V	13	35.3	12.3
7	#10420.00	62.1 PK	68.2	-6.1	1.44 V	168	39.5	22.6

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	1.67 H	22	47.2	12.5
2	5150.00	46.2 AV	54.0	-7.8	1.67 H	22	33.7	12.5
3	*5290.00	106.8 PK			1.67 H	22	64.3	42.5
4	*5290.00	95.2 AV			1.67 H	22	52.7	42.5
5	5355.70	61.0 PK	74.0	-13.0	1.67 H	22	48.7	12.3
6	5355.70	48.6 AV	54.0	-5.4	1.67 H	22	36.3	12.3
7	#10580.00	60.8 PK	68.2	-7.4	2.46 H	183	38.2	22.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.5 PK	74.0	-12.5	1.45 V	344	49.0	12.5
2	5150.00	47.5 AV	54.0	-6.5	1.45 V	344	35.0	12.5
3	*5290.00	119.6 PK			1.45 V	344	77.1	42.5
4	*5290.00	106.5 AV			1.45 V	344	64.0	42.5
5	5360.50	65.2 PK	74.0	-8.8	1.45 V	344	52.8	12.4
6	5360.50	51.3 AV	54.0	-2.7	1.45 V	344	38.9	12.4
7	#10580.00	61.5 PK	68.2	-6.7	1.80 V	167	38.9	22.6

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	1.35 H	276	48.4	12.7
2	5460.00	48.1 AV	54.0	-5.9	1.35 H	276	35.4	12.7
3	#5470.00	62.1 PK	68.2	-6.1	1.35 H	276	49.5	12.6
4	*5530.00	110.6 PK			1.35 H	276	67.5	43.1
5	*5530.00	98.7 AV			1.35 H	276	55.6	43.1
6	#5725.00	60.4 PK	68.2	-7.8	1.35 H	276	47.3	13.1
7	11060.00	61.6 PK	74.0	-12.4	2.34 H	188	38.7	22.9
8	11060.00	49.3 AV	54.0	-4.7	2.34 H	188	26.4	22.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	1.58 V	234	48.6	12.7
2	5460.00	48.6 AV	54.0	-5.4	1.58 V	234	35.9	12.7
3	#5470.00	62.4 PK	68.2	-5.8	1.58 V	234	49.8	12.6
4	*5530.00	116.1 PK			1.58 V	234	73.0	43.1
5	*5530.00	103.0 AV			1.58 V	234	59.9	43.1
6	#5725.00	60.9 PK	68.2	-7.3	1.58 V	234	47.8	13.1
7	11060.00	62.2 PK	74.0	-11.8	1.86 V	152	39.3	22.9
8	11060.00	49.6 AV	54.0	-4.4	1.86 V	152	26.7	22.9

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	1.63 H	336	47.2	12.7
2	5460.00	46.9 AV	54.0	-7.1	1.63 H	336	34.2	12.7
3	#5470.00	61.1 PK	68.2	-7.1	1.63 H	336	48.5	12.6
4	*5610.00	109.5 PK			1.63 H	336	66.5	43.0
5	*5610.00	96.0 AV			1.63 H	336	53.0	43.0
6	11220.00	62.2 PK	74.0	-11.8	2.25 H	189	38.7	23.5
7	11220.00	49.0 AV	54.0	-5.0	2.25 H	189	25.5	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.2 PK	74.0	-13.8	1.61 V	313	47.5	12.7
2	5460.00	47.0 AV	54.0	-7.0	1.61 V	313	34.3	12.7
3	#5470.00	63.5 PK	68.2	-4.7	1.61 V	313	50.9	12.6
4	*5610.00	114.7 PK			1.61 V	313	71.7	43.0
5	*5610.00	101.7 AV			1.61 V	313	58.7	43.0
6	#5725.00	65.5 PK	68.2	-2.7	1.61 V	313	52.4	13.1
7	11220.00	62.5 PK	74.0	-11.5	1.92 V	175	39.0	23.5
8	11220.00	49.1 AV	54.0	-4.9	1.92 V	175	25.6	23.5

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.6 PK	68.2	-7.6	1.51 H	336	48.0	12.6
2	*5690.00	109.1 PK			1.51 H	336	66.1	43.0
3	*5690.00	96.8 AV			1.51 H	336	53.8	43.0
4	#5850.00	61.1 PK	68.2	-7.1	1.51 H	336	47.7	13.4
5	11380.00	62.7 PK	74.0	-11.3	2.25 H	195	38.7	24.0
6	11380.00	49.5 AV	54.0	-4.5	2.25 H	195	25.5	24.0
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	#5470.00	61.3 PK	68.2	-6.9	1.52 V	309	48.7	12.6
2	*5690.00	114.4 PK			1.52 V	309	71.4	43.0
3	*5690.00	101.5 AV			1.52 V	309	58.5	43.0
4	#5850.00	61.4 PK	68.2	-6.8	1.52 V	309	48.0	13.4
5	11380.00	63.0 PK	74.0	-11.0	1.92 V	177	39.0	24.0
6	11380.00	49.7 AV	54.0	-4.3	1.92 V	177	25.7	24.0

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 68% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.60	61.2 PK	68.2	-7.0	1.50 H	338	48.5	12.7
2	*5775.00	109.3 PK			1.50 H	338	65.7	43.6
3	*5775.00	97.2 AV			1.50 H	338	53.6	43.6
4	#5944.00	61.7 PK	68.2	-6.5	1.50 H	338	48.0	13.7
5	11550.00	62.7 PK	74.0	-11.3	1.89 H	213	38.8	23.9
6	11550.00	49.5 AV	54.0	-4.5	1.89 H	213	25.6	23.9
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	#5637.60	68.0 PK	68.2	-0.2	1.75 V	200	55.3	12.7
2	*5775.00	118.8 PK			1.75 V	200	75.2	43.6
3	*5775.00	106.2 AV			1.75 V	200	62.6	43.6
4	#5938.80	66.9 PK	68.2	-1.3	1.75 V	200	53.2	13.7
5	11550.00	63.6 PK	74.0	-10.4	1.75 V	200	39.7	23.9
6	11550.00	49.7 AV	54.0	-4.3	1.75 V	200	25.8	23.9

Remarks:

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

RF Mode	802.11be (EHT160)	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.66 H	22	46.9	12.5
2	5150.00	46.7 AV	54.0	-7.3	1.66 H	22	34.2	12.5
3	*5250.00	102.4 PK			1.66 H	22	60.0	42.4
4	*5250.00	90.5 AV			1.66 H	22	48.1	42.4
5	5350.00	60.0 PK	74.0	-14.0	1.66 H	22	47.7	12.3
6	5350.00	47.4 AV	54.0	-6.6	1.66 H	22	35.1	12.3
7	#10500.00	61.0 PK	68.2	-7.2	2.30 H	189	38.3	22.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.4 PK	74.0	-12.6	1.44 V	347	48.9	12.5
2	5150.00	49.2 AV	54.0	-4.8	1.44 V	347	36.7	12.5
3	*5250.00	113.9 PK			1.44 V	347	71.5	42.4
4	*5250.00	101.1 AV			1.44 V	347	58.7	42.4
5	5375.00	67.7 PK	74.0	-6.3	1.44 V	347	55.2	12.5
6	5375.00	53.5 AV	54.0	-0.5	1.44 V	347	41.0	12.5
7	#10500.00	61.6 PK	68.2	-6.6	1.89 V	167	38.9	22.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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 (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	1.36 H	278	49.2	12.7
2	5460.00	50.7 AV	54.0	-3.3	1.36 H	278	38.0	12.7
3	#5470.00	62.5 PK	68.2	-5.7	1.36 H	278	49.9	12.6
4	*5570.00	106.9 PK			1.36 H	278	63.9	43.0
5	*5570.00	95.2 AV			1.36 H	278	52.2	43.0
6	#5725.00	67.0 PK	68.2	-1.2	1.36 H	278	53.9	13.1
7	11140.00	62.1 PK	74.0	-11.9	2.36 H	179	38.8	23.3
8	11140.00	49.6 AV	54.0	-4.4	2.36 H	179	26.3	23.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.4 PK	74.0	-11.6	1.38 V	237	49.7	12.7
2	5460.00	51.0 AV	54.0	-3.0	1.38 V	237	38.3	12.7
3	#5470.00	63.4 PK	68.2	-4.8	1.38 V	237	50.8	12.6
4	*5570.00	112.6 PK			1.38 V	237	69.6	43.0
5	*5570.00	99.8 AV			1.38 V	237	56.8	43.0
6	#5725.00	67.4 PK	68.2	-0.8	1.38 V	237	54.3	13.1
7	11140.00	62.7 PK	74.0	-11.3	1.88 V	156	39.4	23.3
8	11140.00	49.9 AV	54.0	-4.1	1.88 V	156	26.6	23.3

Remarks:

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

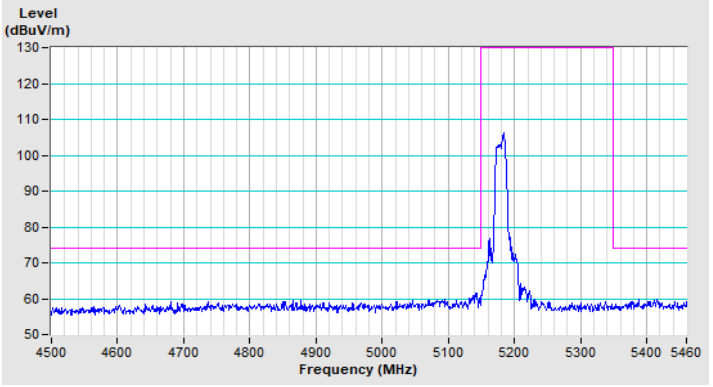
RF Mode	802.11be (EHT240)	Channel	CH 114+138：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 69% RH
Tested By	Luis Lee/TitanHSU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	64.1 PK	68.2	-4.1	1.82 H	150	51.5	12.6
2	*5610.00	102.7 PK			1.82 H	150	59.7	43.0
3	*5610.00	91.0 AV			1.82 H	150	48.0	43.0
4	#5866.00	67.1 PK	68.2	-1.1	1.82 H	150	53.7	13.4
5	11220.00	62.6 PK	74.0	-11.4	1.99 H	216	39.1	23.5
6	11220.00	48.8 AV	54.0	-5.2	1.99 H	216	25.3	23.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	66.7 PK	68.2	-1.5	1.53 V	44	54.1	12.6
2	*5610.00	105.9 PK			1.53 V	44	62.9	43.0
3	*5610.00	93.6 AV			1.53 V	44	50.6	43.0
4	#5866.00	67.6 PK	68.2	-0.6	1.53 V	44	54.2	13.4
5	11220.00	63.2 PK	74.0	-10.8	1.55 V	169	39.7	23.5
6	11220.00	49.1 AV	54.0	-4.9	1.55 V	169	25.6	23.5

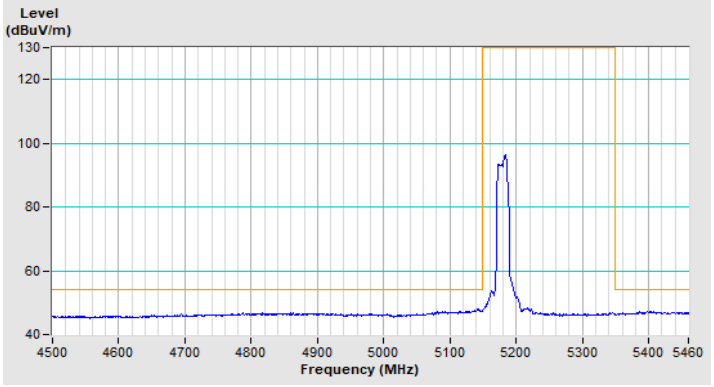
Remarks:

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

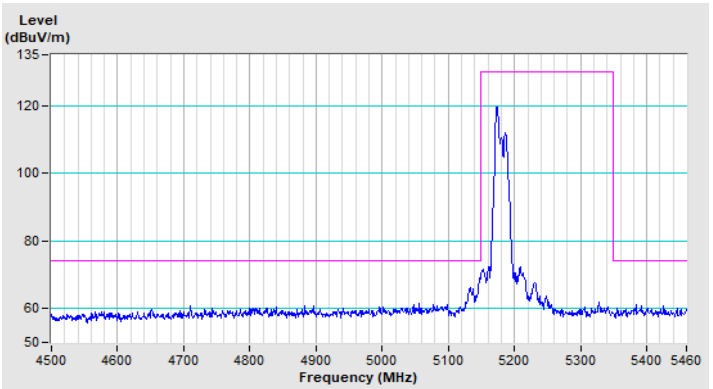
802.11a Channel 36



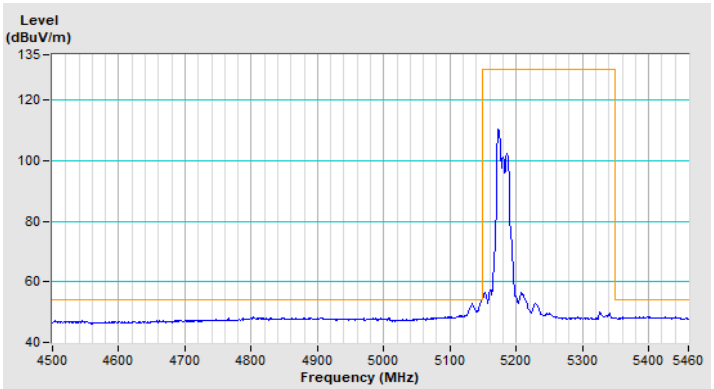
Horizontal (Peak)



Horizontal (Average)

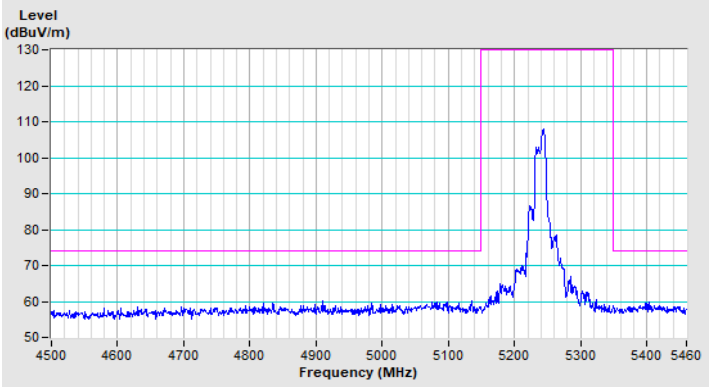


Vertical (Peak)

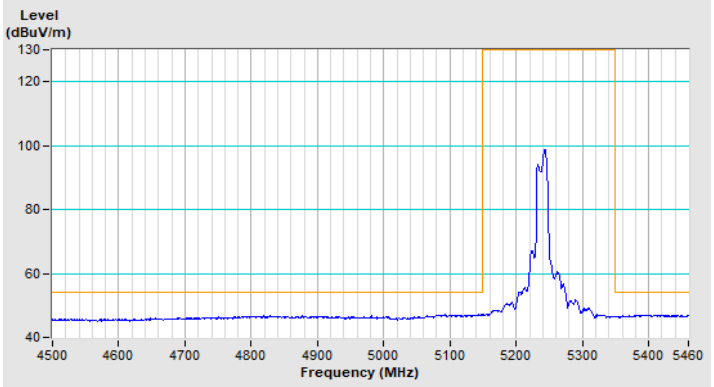


Vertical (Average)

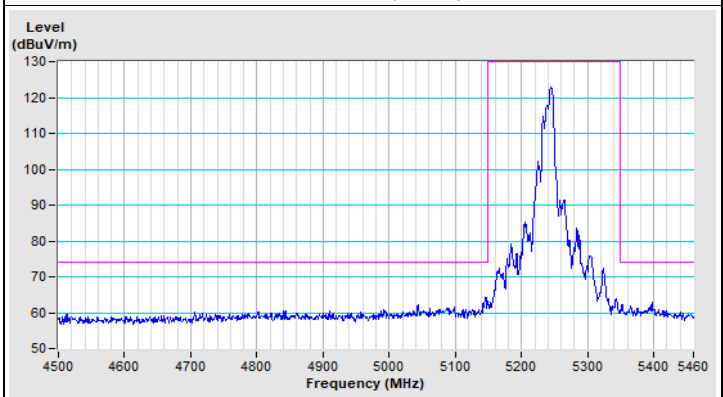
802.11a Channel 48



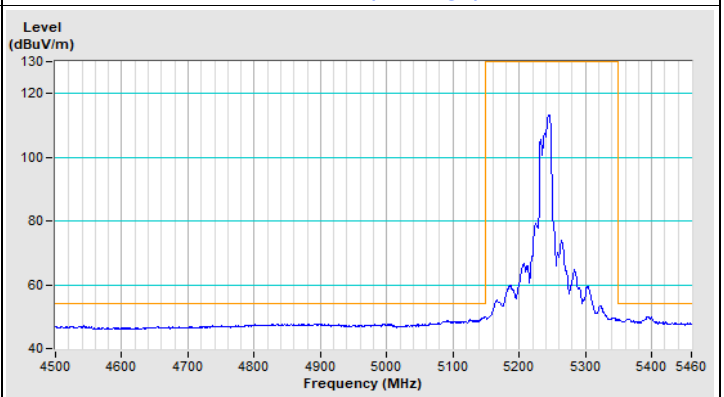
Horizontal (Peak)



Horizontal (Average)

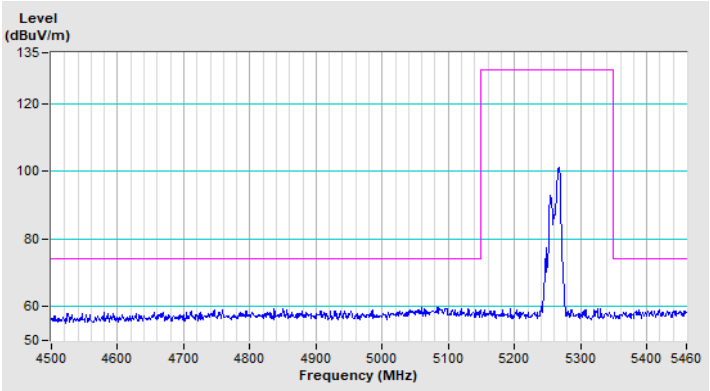


Vertical (Peak)

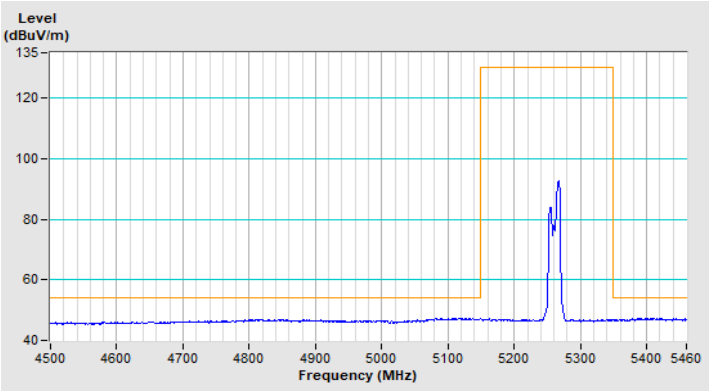


Vertical (Average)

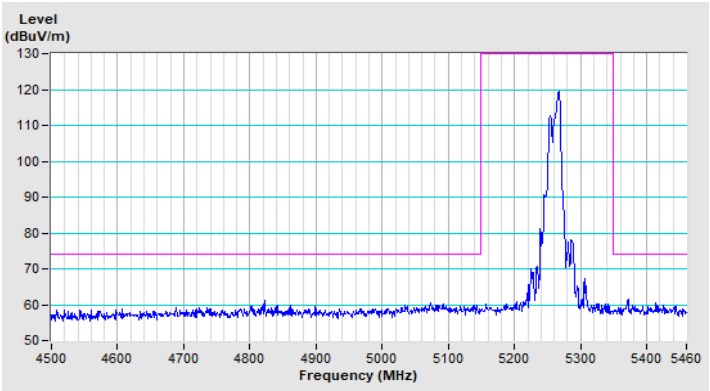
802.11a Channel 52



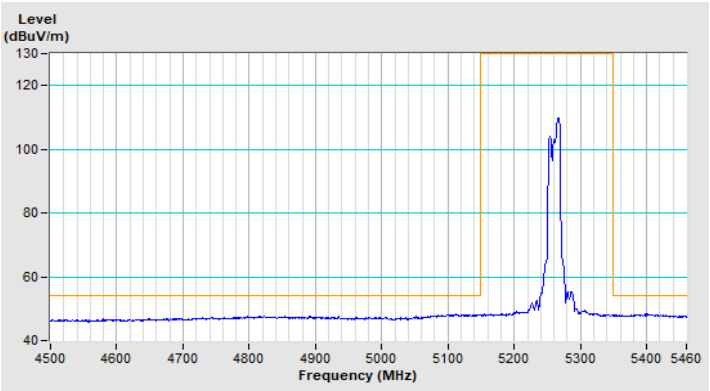
Horizontal (Peak)



Horizontal (Average)

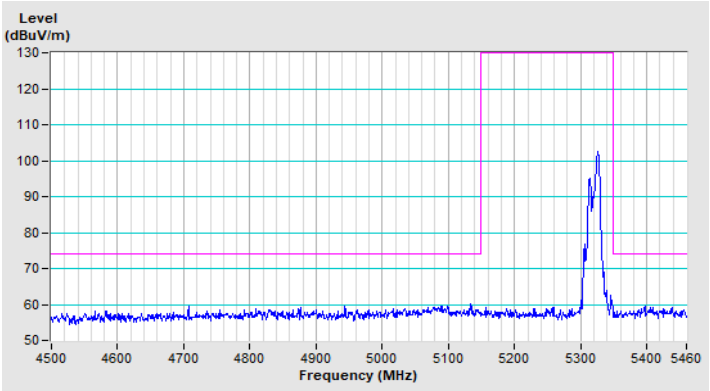


Vertical (Peak)

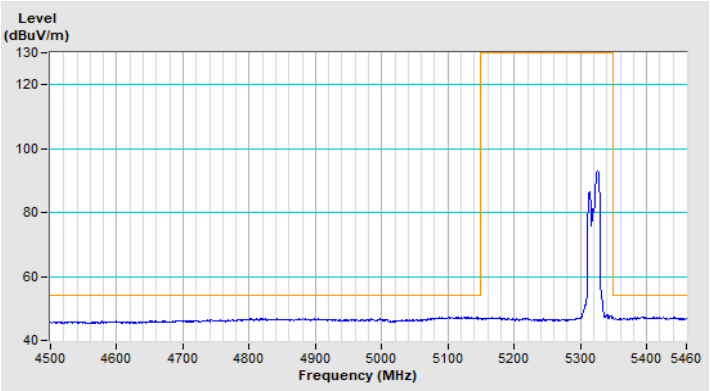


Vertical (Average)

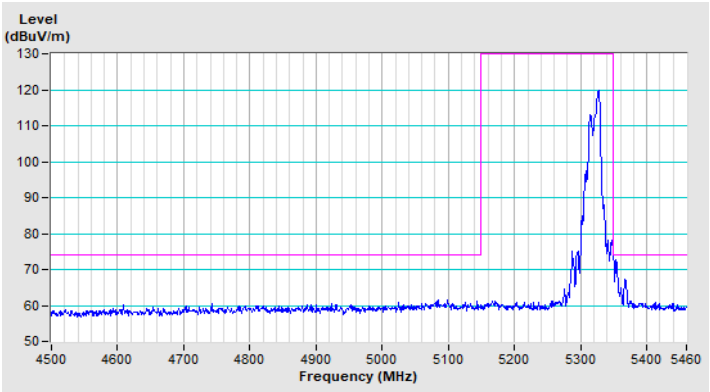
802.11a Channel 64



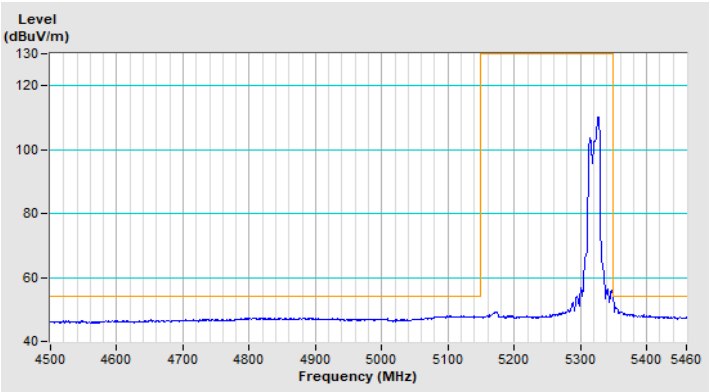
Horizontal (Peak)



Horizontal (Average)

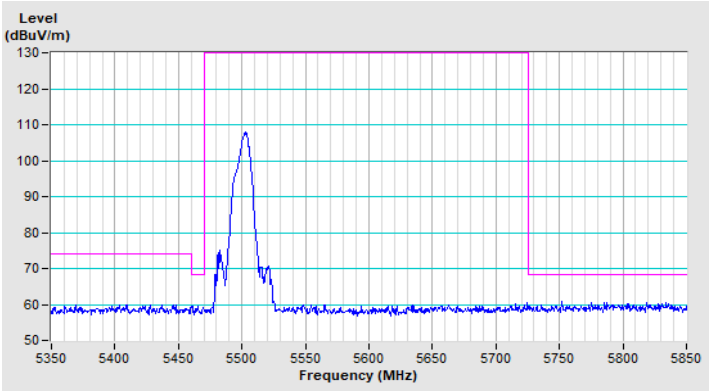


Vertical (Peak)

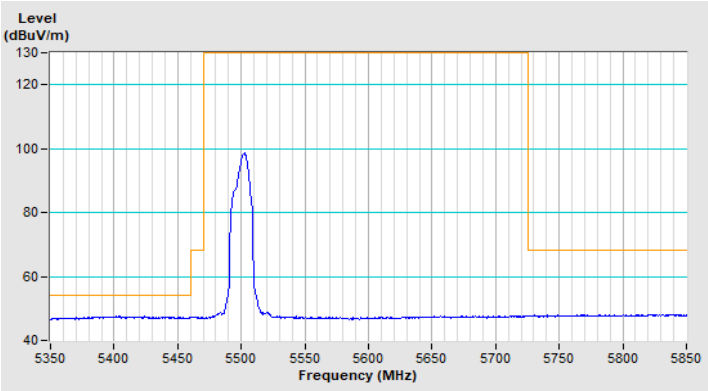


Vertical (Average)

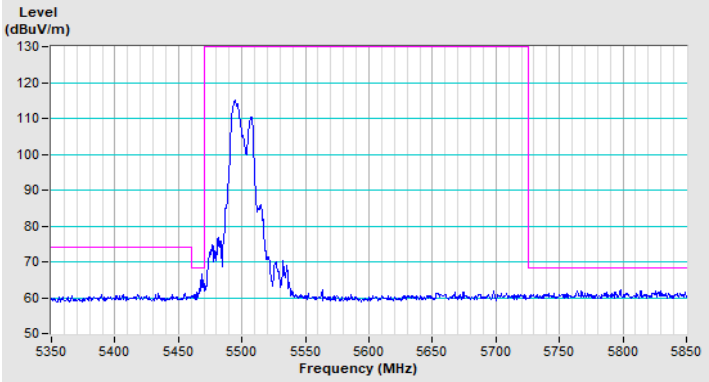
802.11a Channel 100



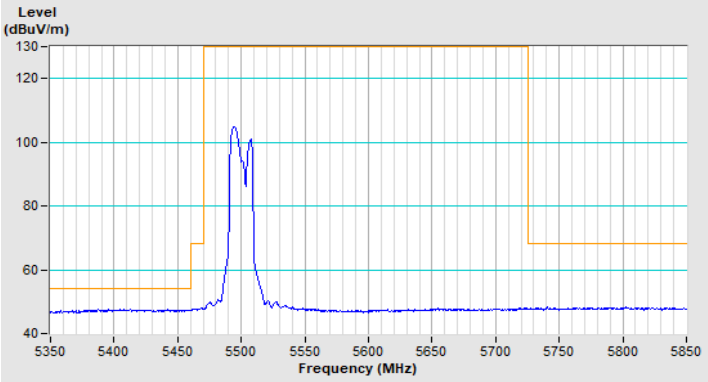
Horizontal (Peak)



Horizontal (Average)

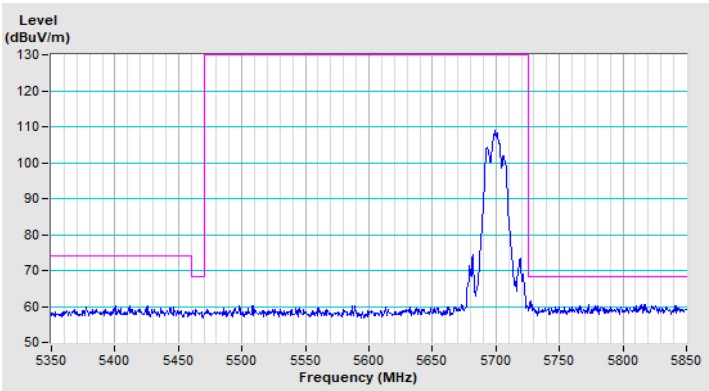


Vertical (Peak)

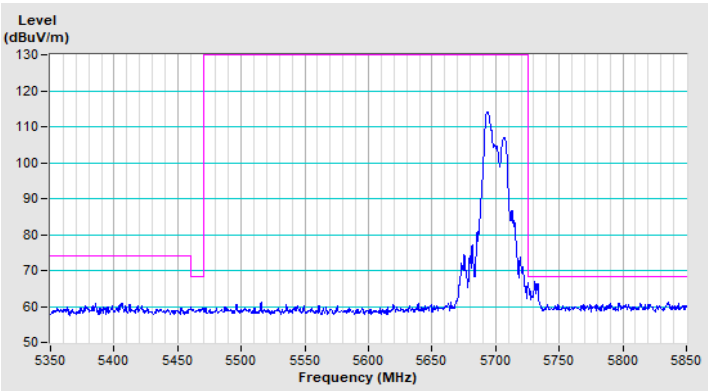


Vertical (Average)

802.11a Channel 140

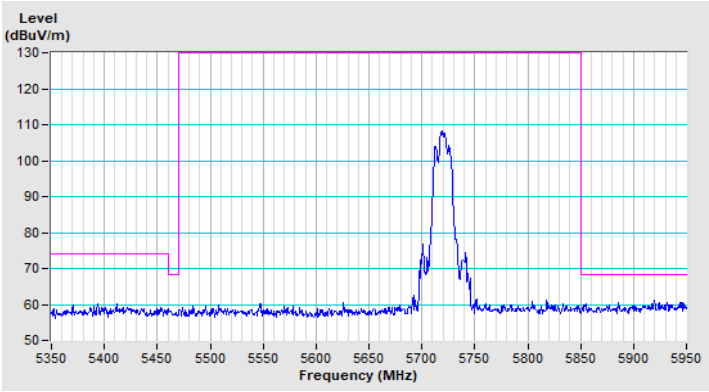


Horizontal (Peak)

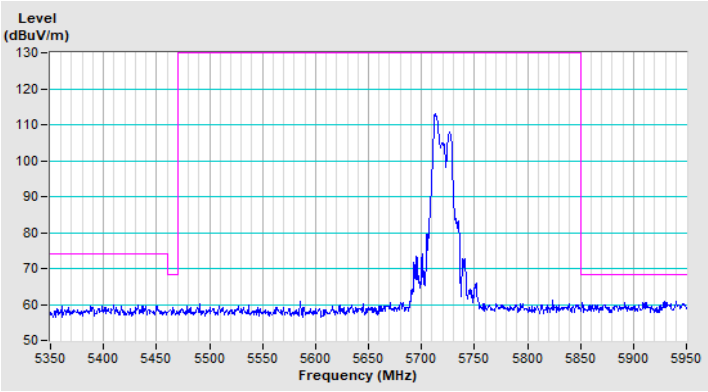


Vertical (Peak)

802.11a Channel 144

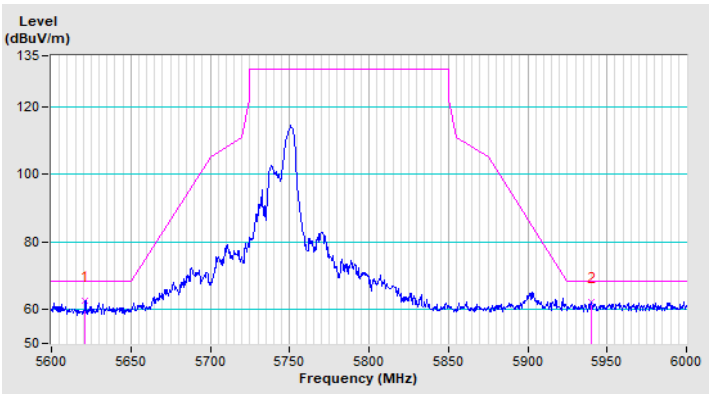


Horizontal (Peak)

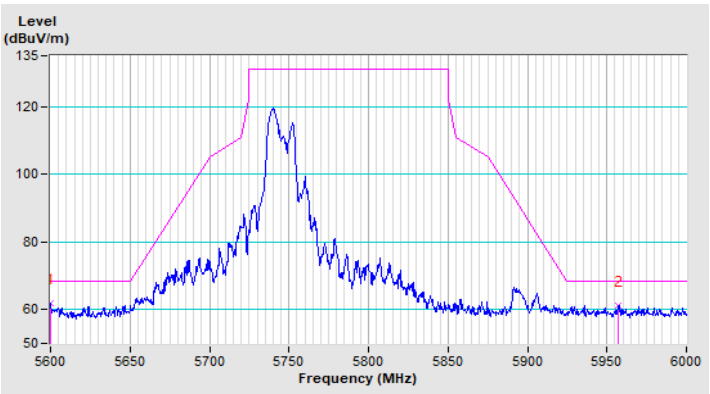


Vertical (Peak)

802.11a Channel 149

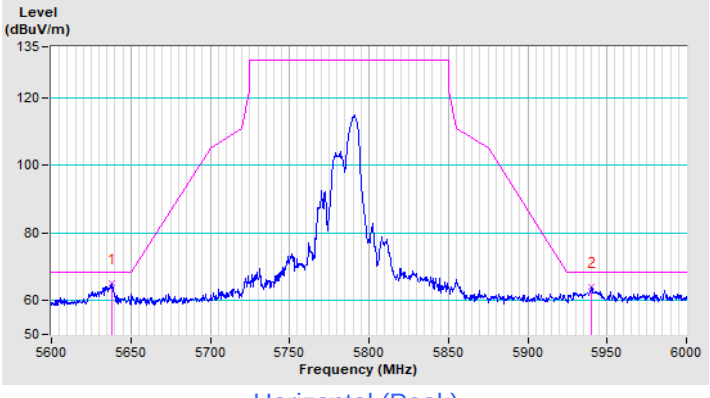


Horizontal (Peak)

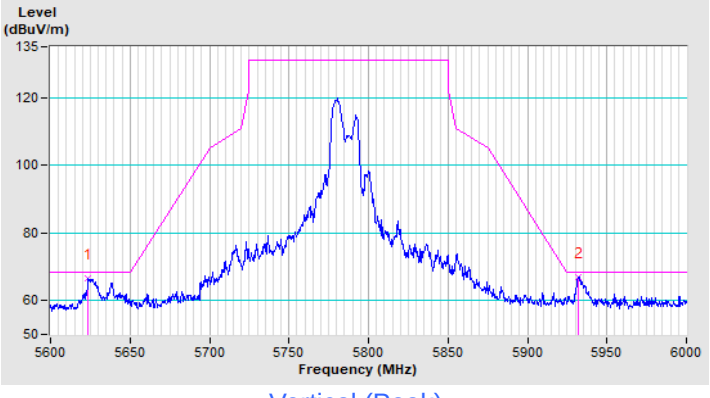


Vertical (Peak)

802.11a Channel 157

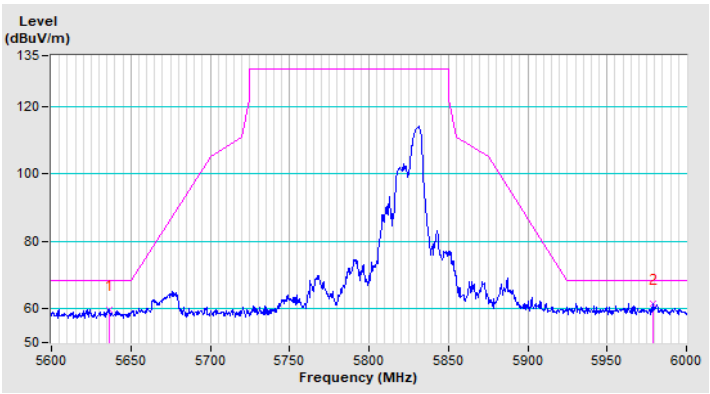


Horizontal (Peak)

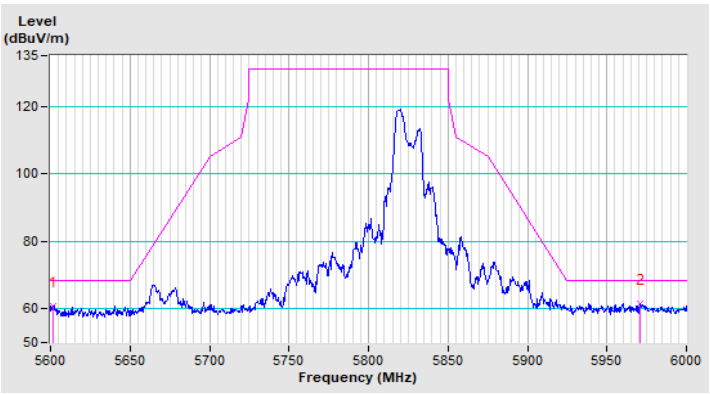


Vertical (Peak)

802.11a Channel 165

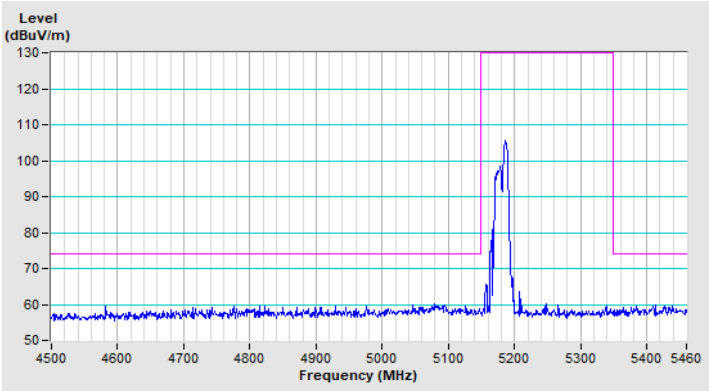


Horizontal (Peak)

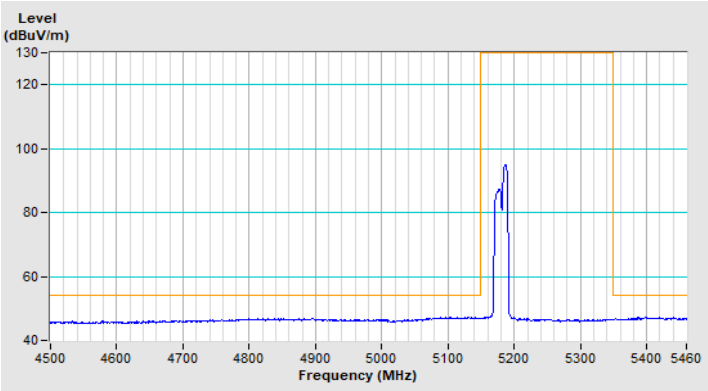


Vertical (Peak)

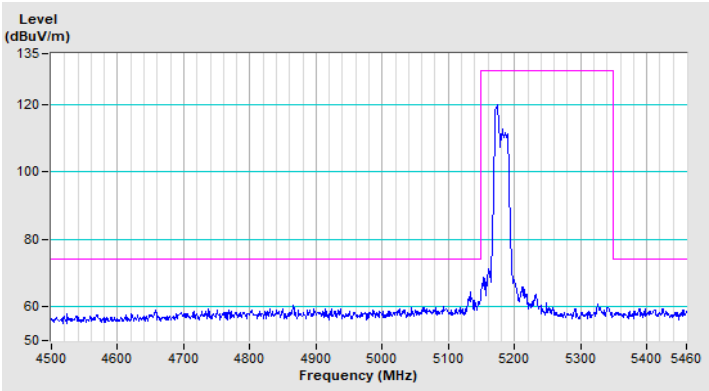
802.11be (EHT20) Channel 36



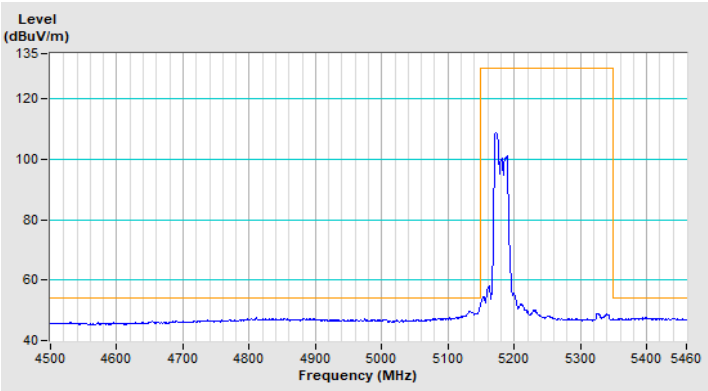
Horizontal (Peak)



Horizontal (Average)

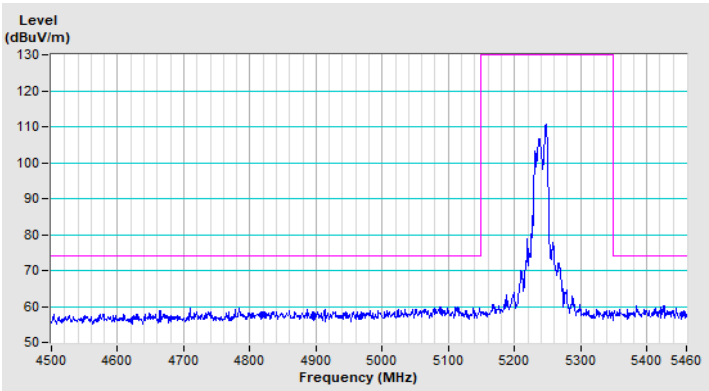


Vertical (Peak)

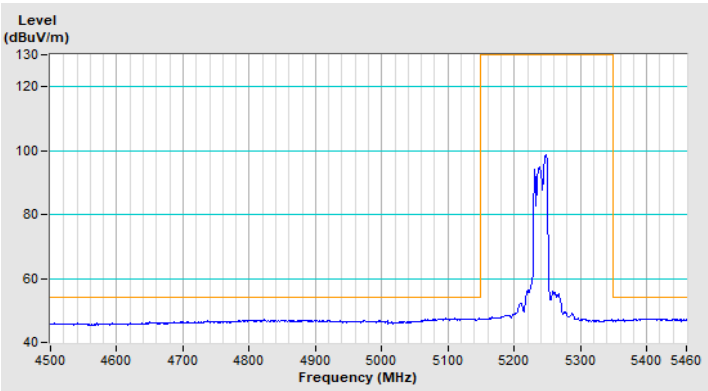


Vertical (Average)

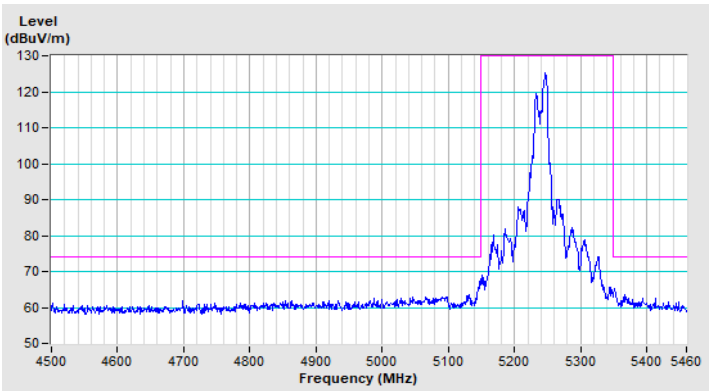
802.11be (EHT20) Channel 48



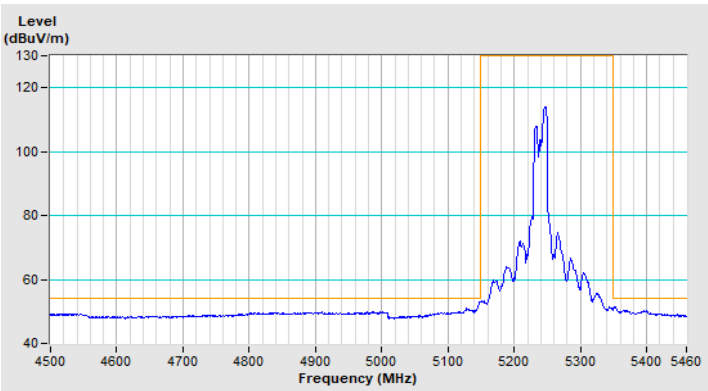
Horizontal (Peak)



Horizontal (Average)

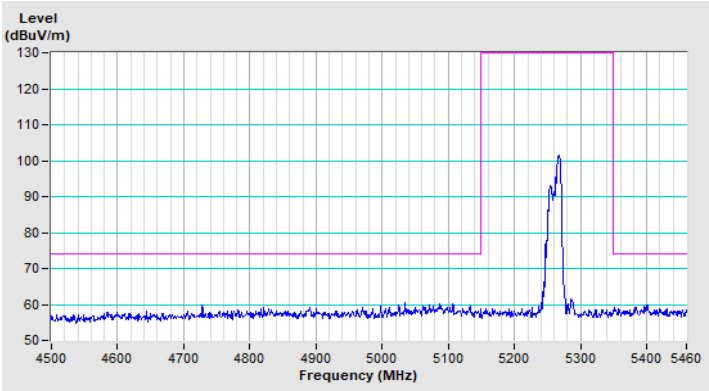


Vertical (Peak)

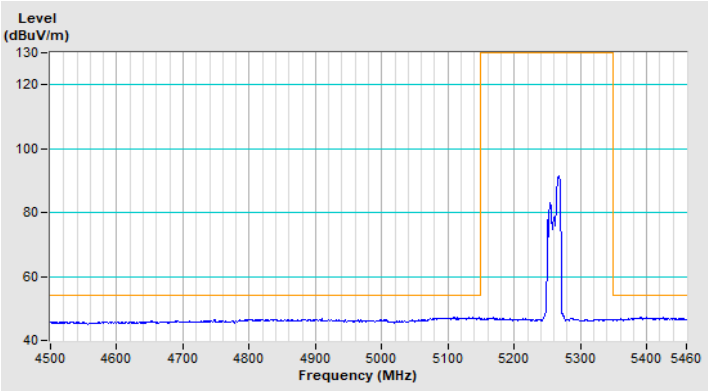


Vertical (Average)

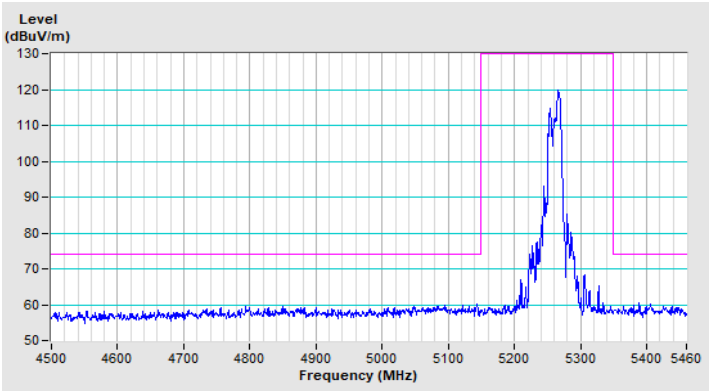
802.11be (EHT20) Channel 52



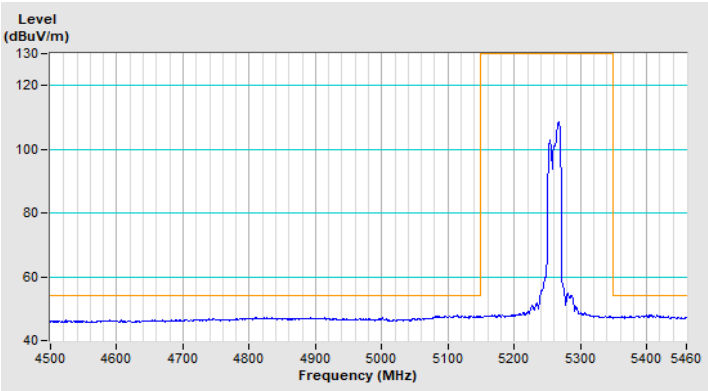
Horizontal (Peak)



Horizontal (Average)

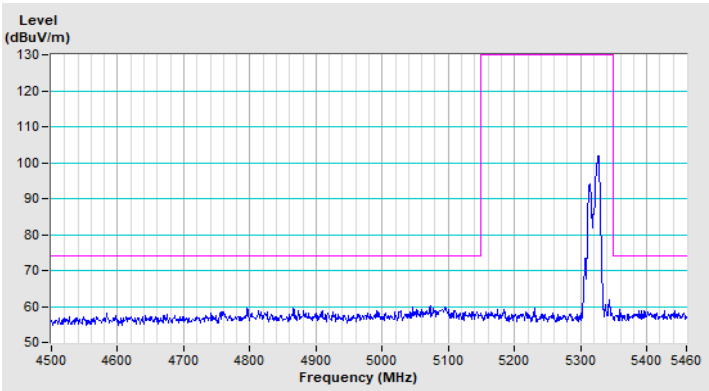


Vertical (Peak)

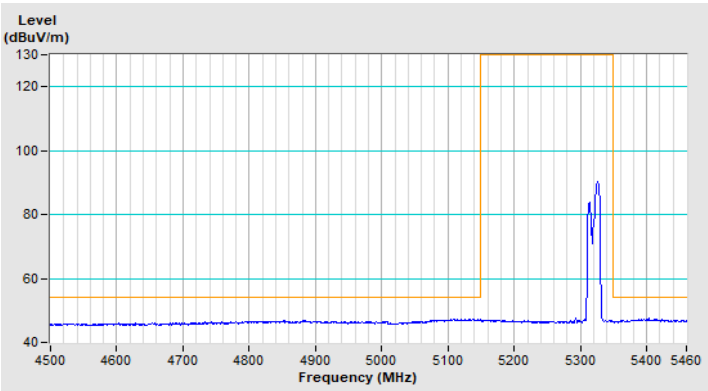


Vertical (Average)

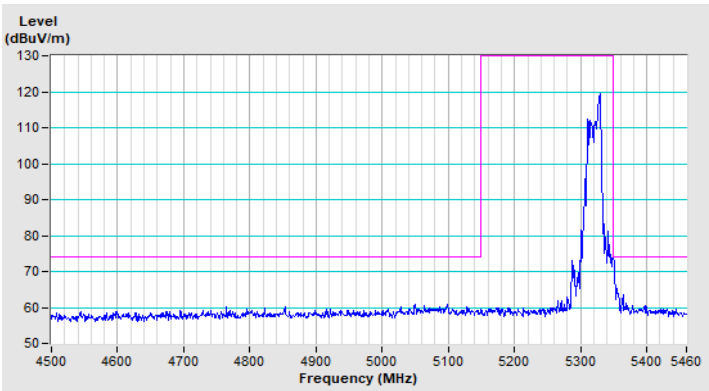
802.11be (EHT20) Channel 64



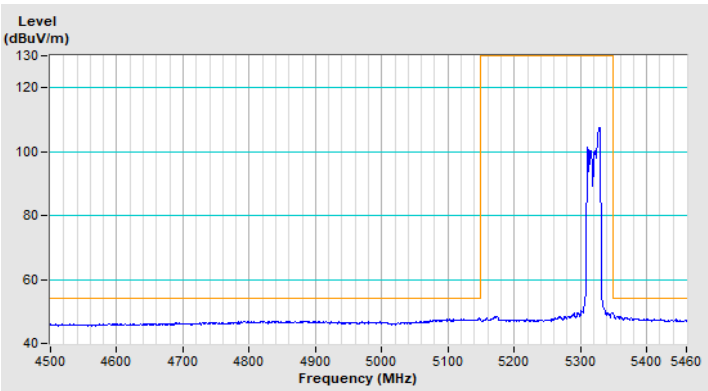
Horizontal (Peak)



Horizontal (Average)

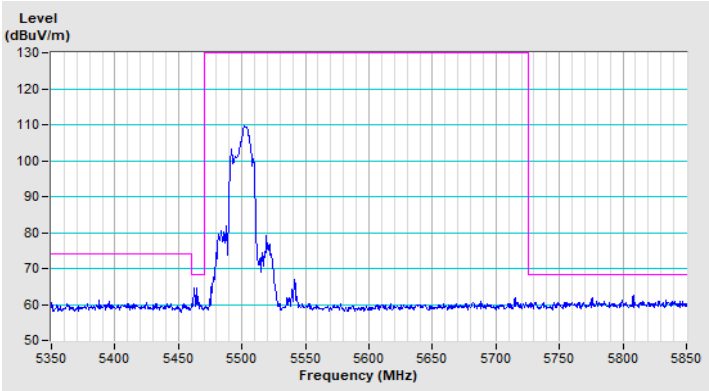


Vertical (Peak)

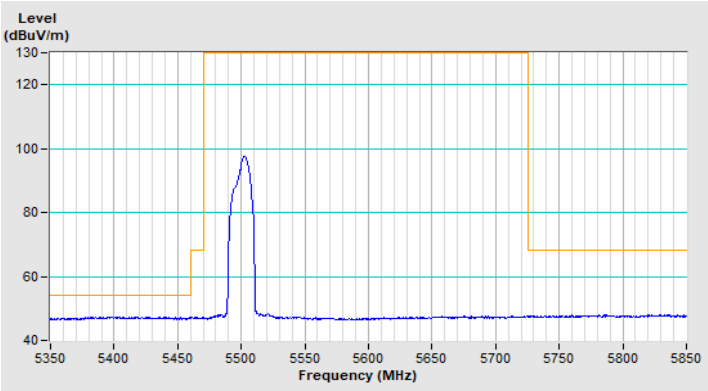


Vertical (Average)

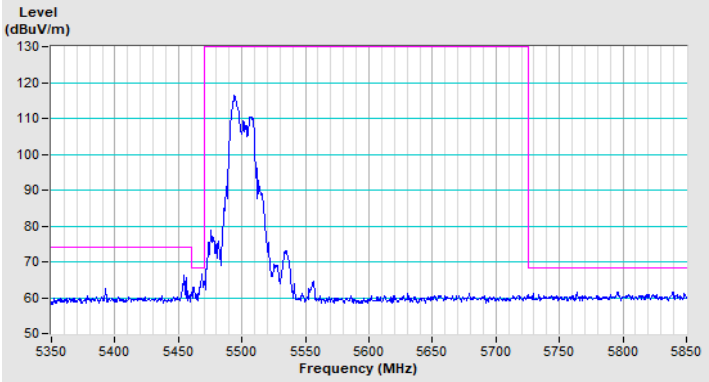
802.11be (EHT20) Channel 100



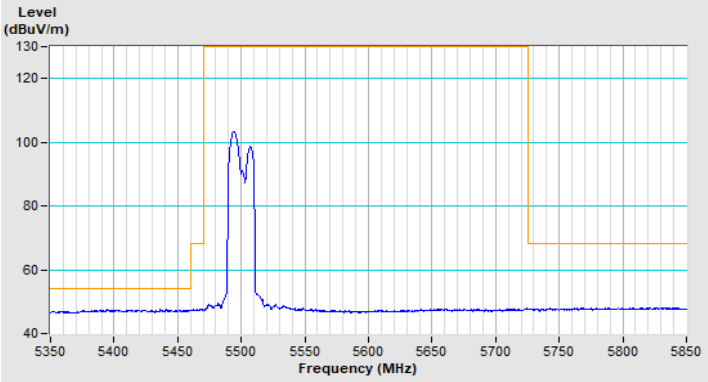
Horizontal (Peak)



Horizontal (Average)

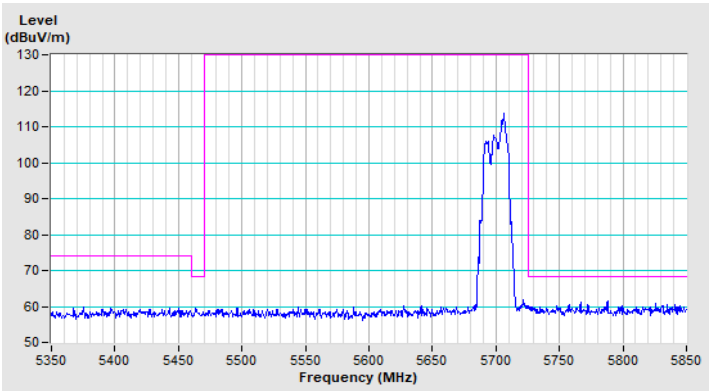


Vertical (Peak)

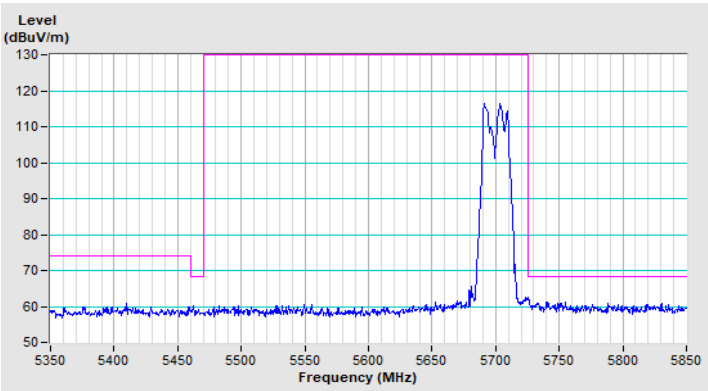


Vertical (Average)

802.11be (EHT20) Channel 140

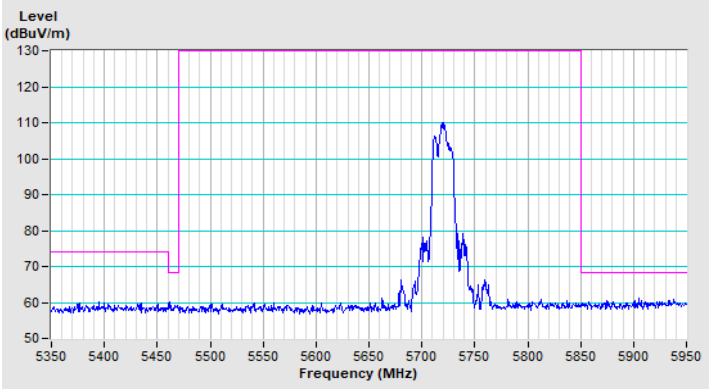


Horizontal (Peak)

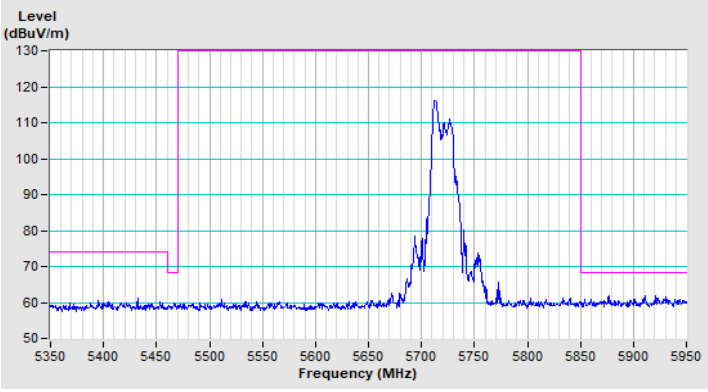


Vertical (Peak)

802.11be (EHT20) Channel 144

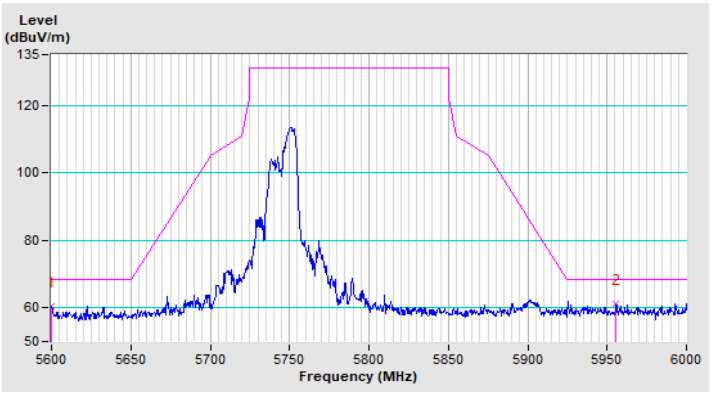


Horizontal (Peak)

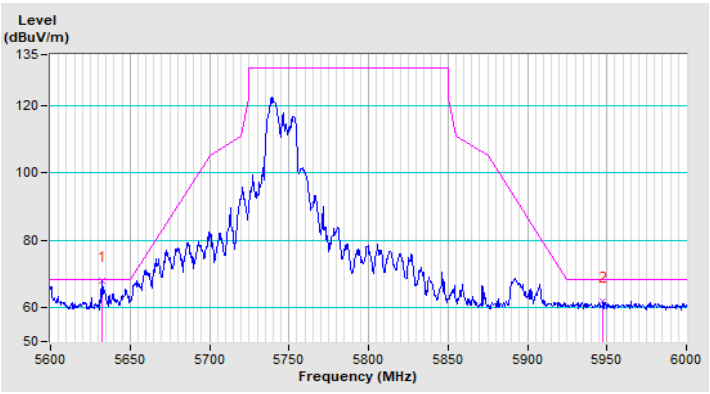


Vertical (Peak)

802.11be (EHT20) Channel 149

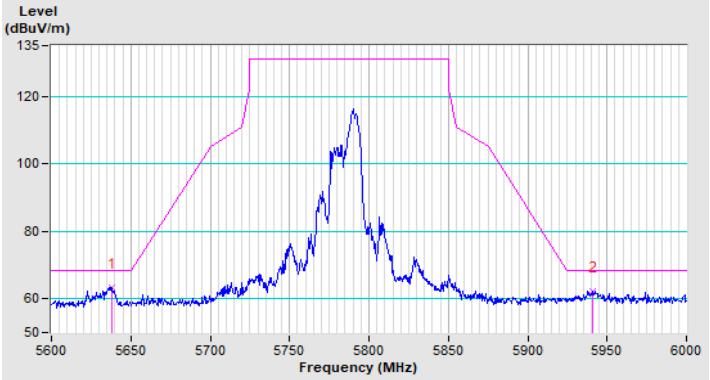


Horizontal (Peak)

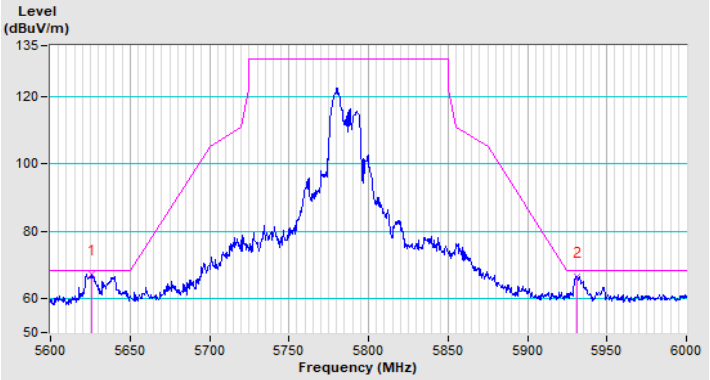


Vertical (Peak)

802.11be (EHT20) Channel 157

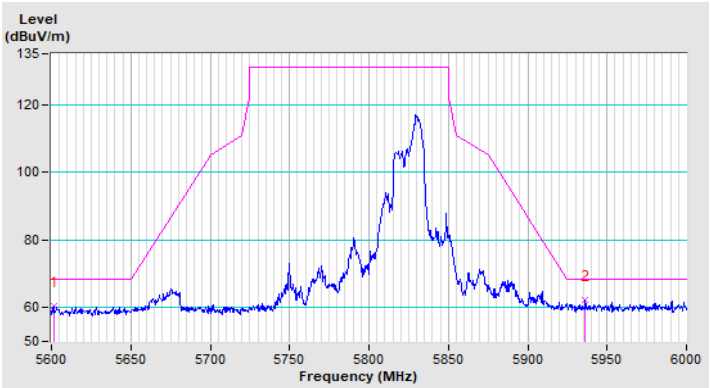


Horizontal (Peak)

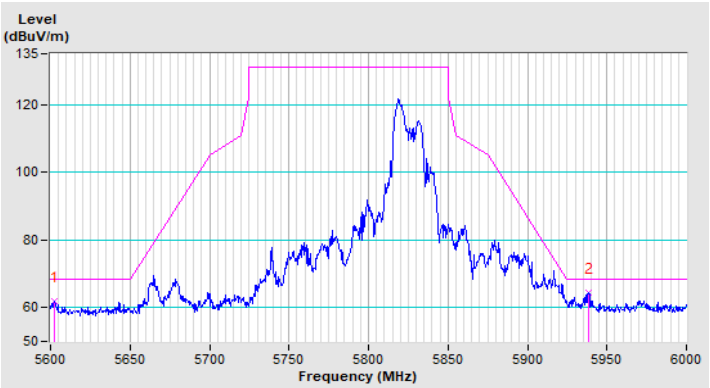


Vertical (Peak)

802.11be (EHT20) Channel 165

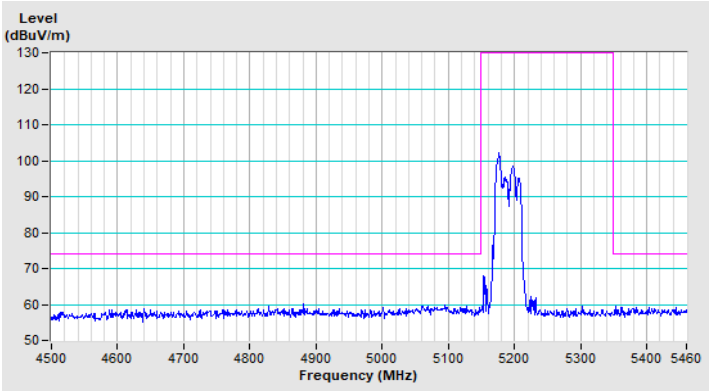


Horizontal (Peak)

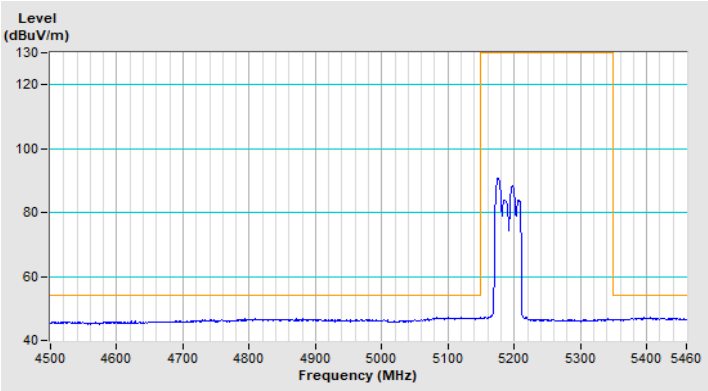


Vertical (Peak)

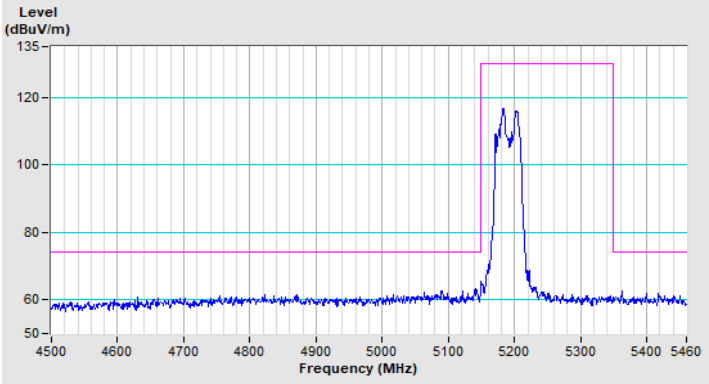
802.11be (EHT40) Channel 38



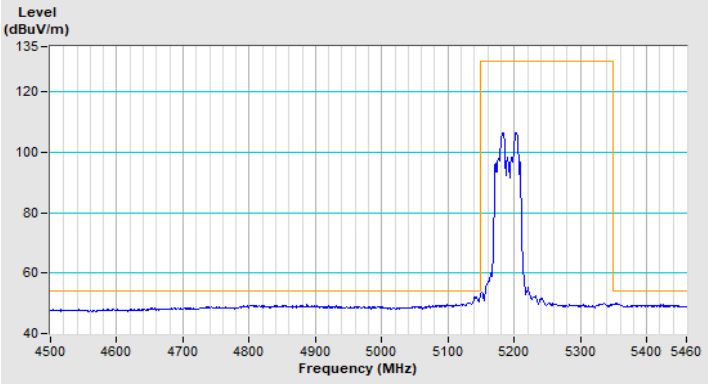
Horizontal (Peak)



Horizontal (Average)

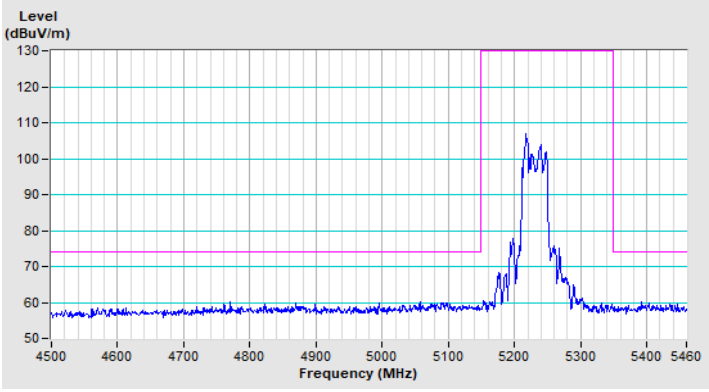


Vertical (Peak)

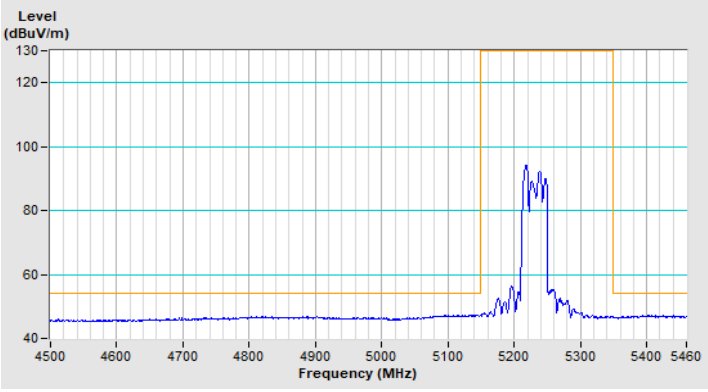


Vertical (Average)

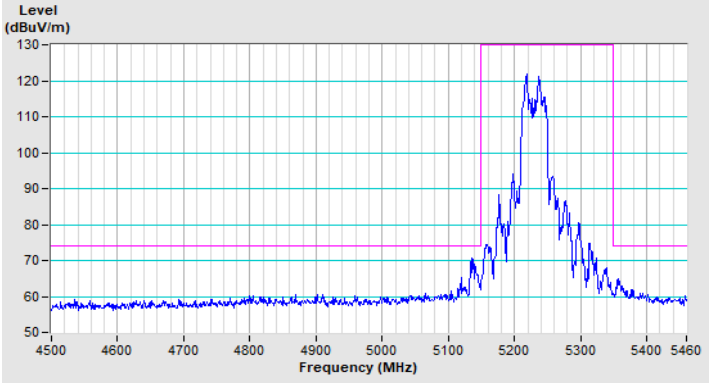
802.11be (EHT40) Channel 46



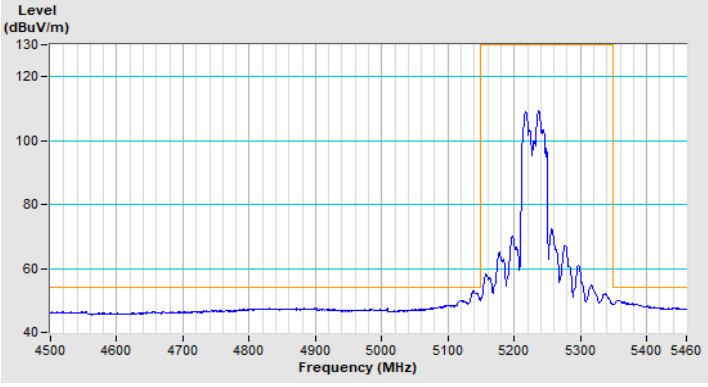
Horizontal (Peak)



Horizontal (Average)

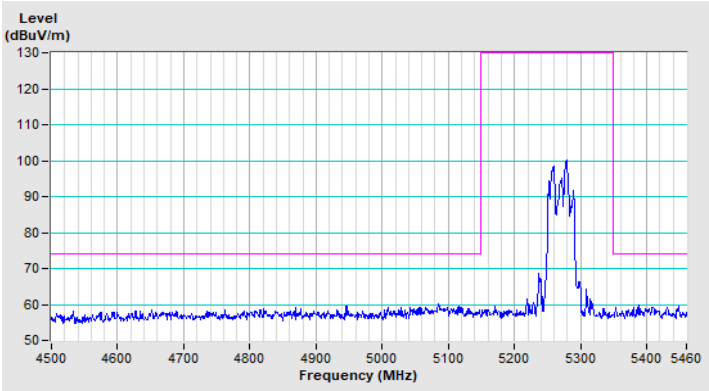


Vertical (Peak)

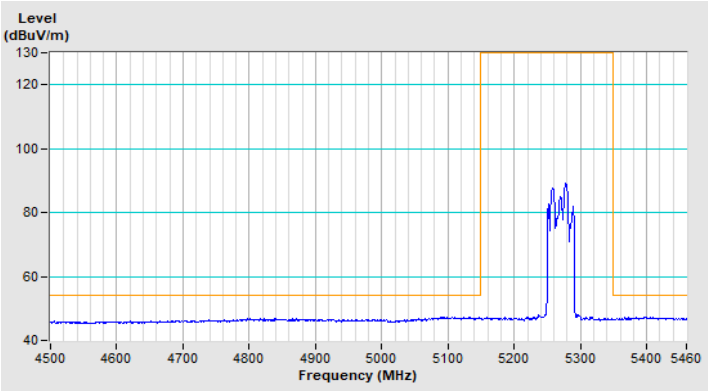


Vertical (Average)

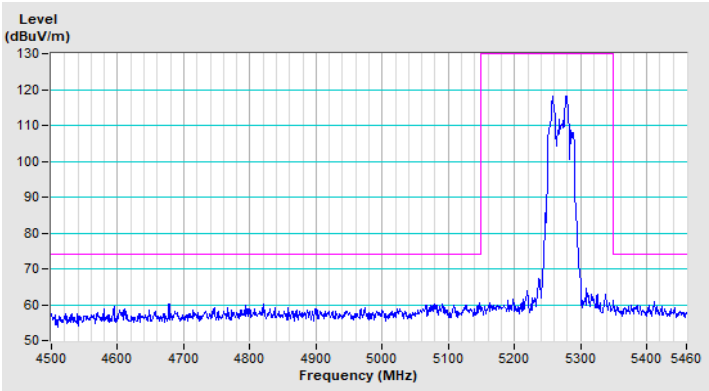
802.11be (EHT40) Channel 54



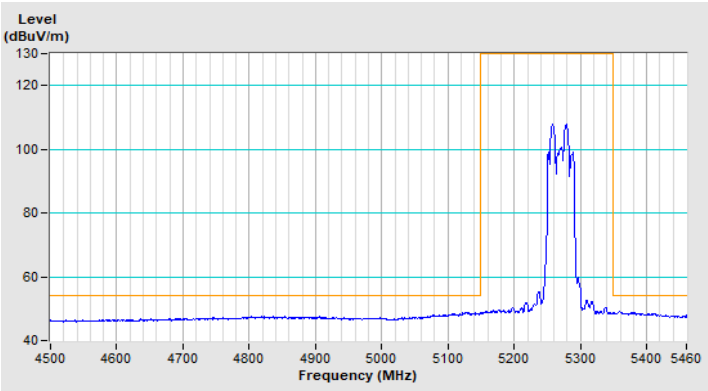
Horizontal (Peak)



Horizontal (Average)

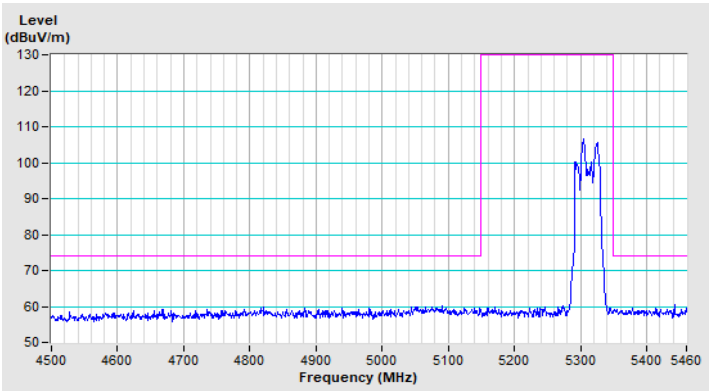


Vertical (Peak)

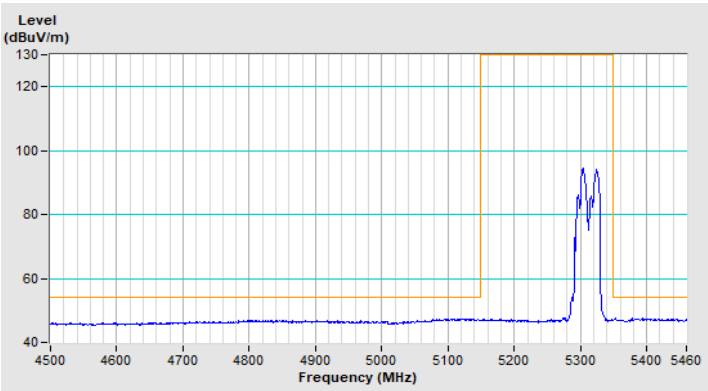


Vertical (Average)

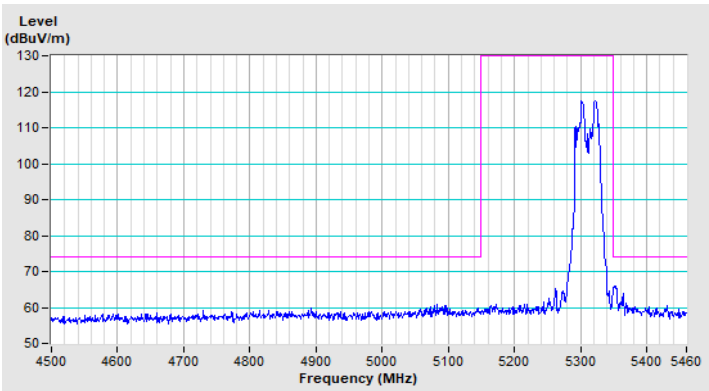
802.11be (EHT40) Channel 62



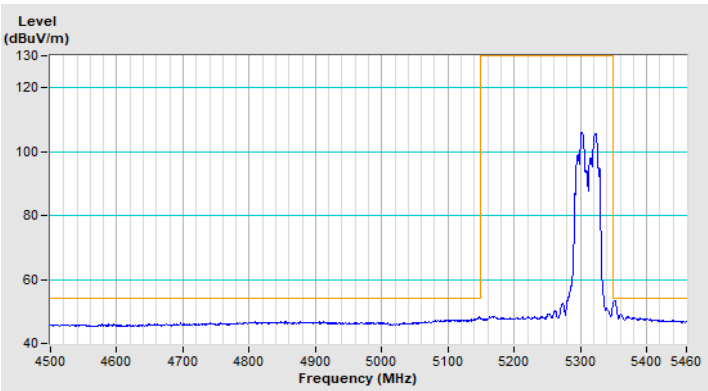
Horizontal (Peak)



Horizontal (Average)

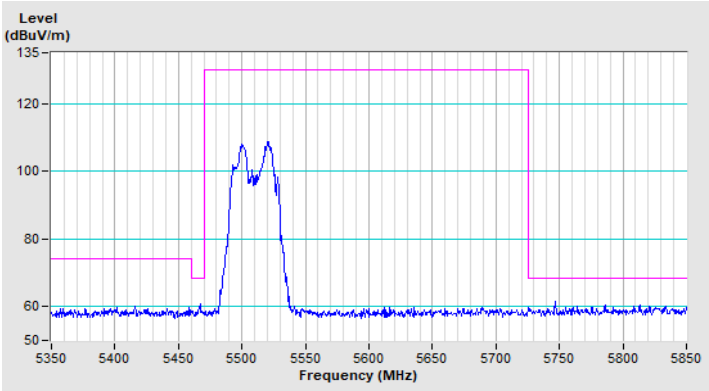


Vertical (Peak)

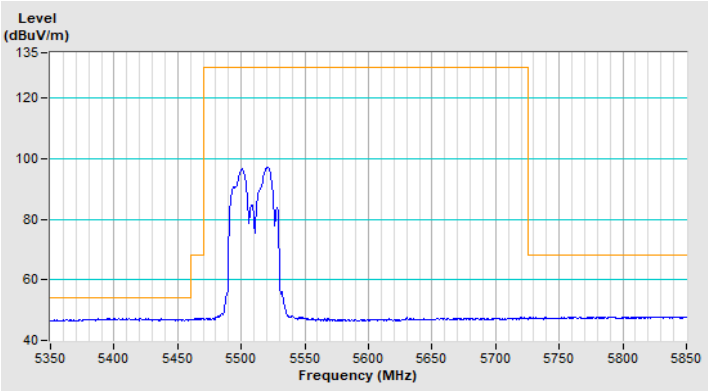


Vertical (Average)

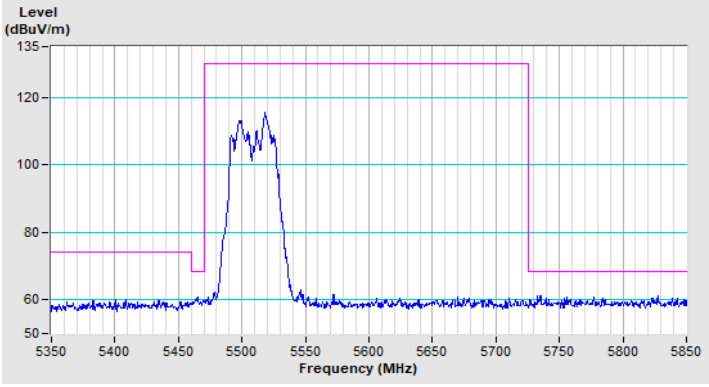
802.11be (EHT40) Channel 102



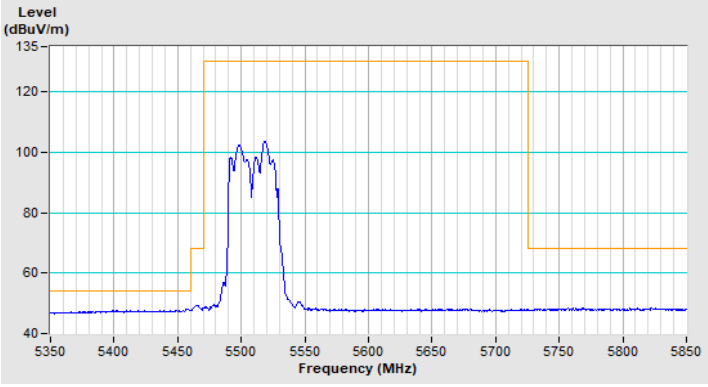
Horizontal (Peak)



Horizontal (Average)

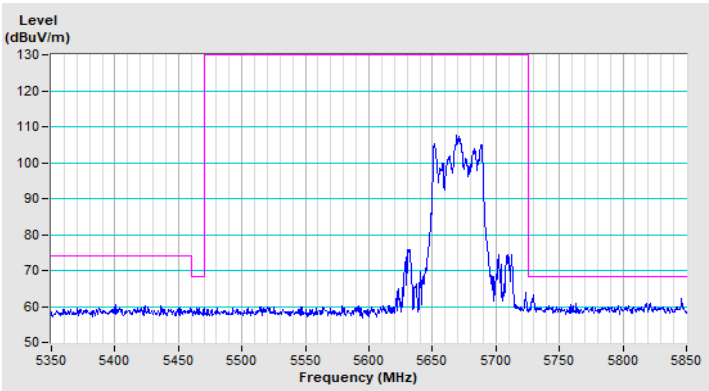


Vertical (Peak)

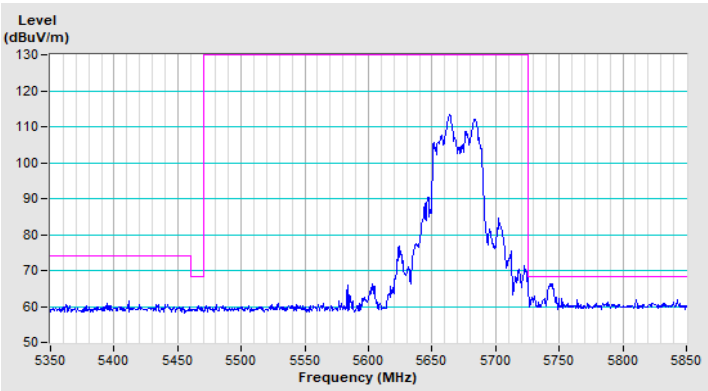


Vertical (Average)

802.11be (EHT40) Channel 134

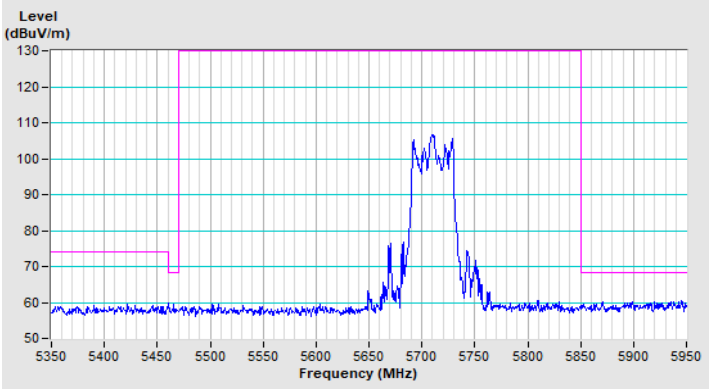


Horizontal (Peak)

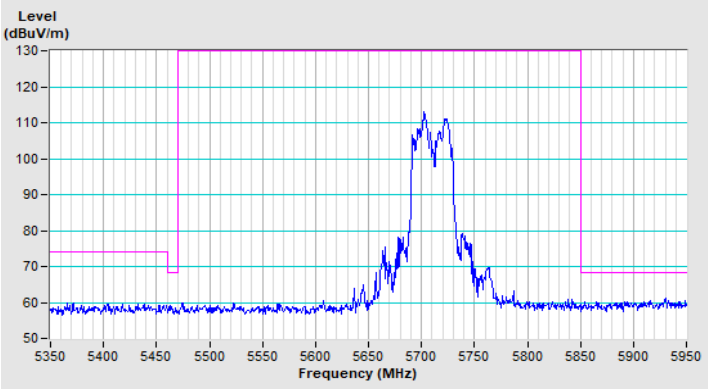


Vertical (Peak)

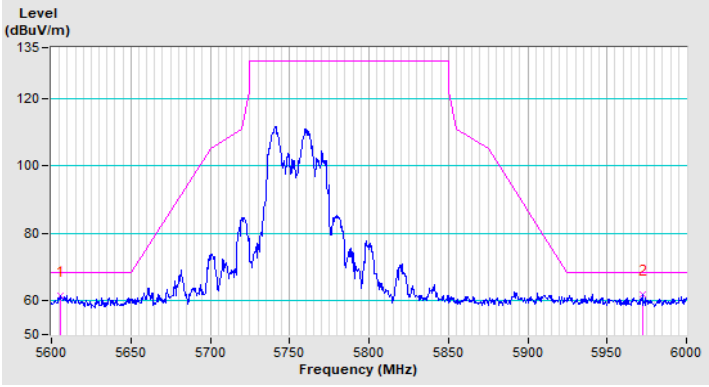
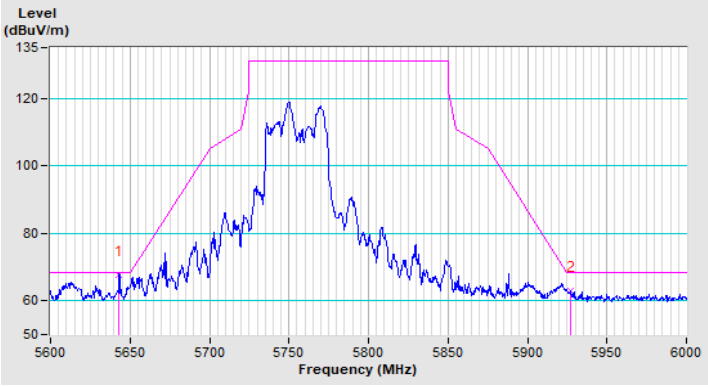
802.11be (EHT40) Channel 142

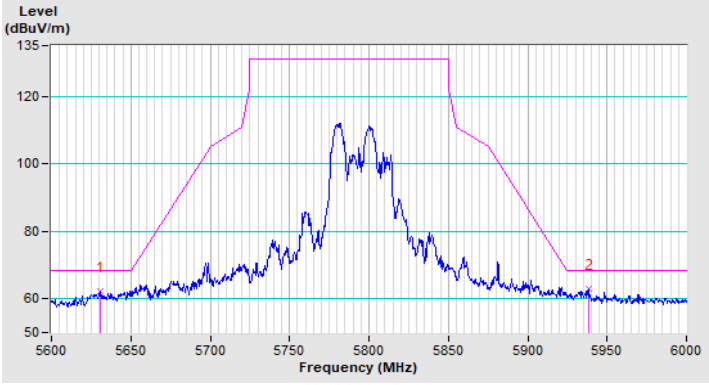
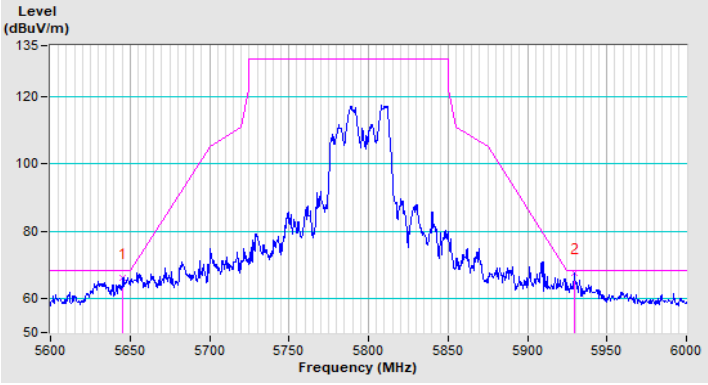


Horizontal (Peak)

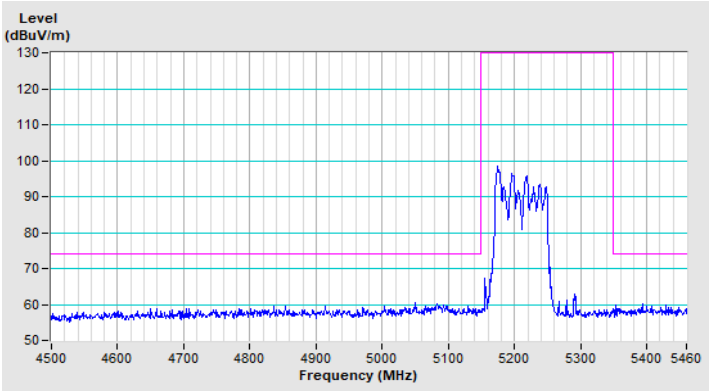


Vertical (Peak)

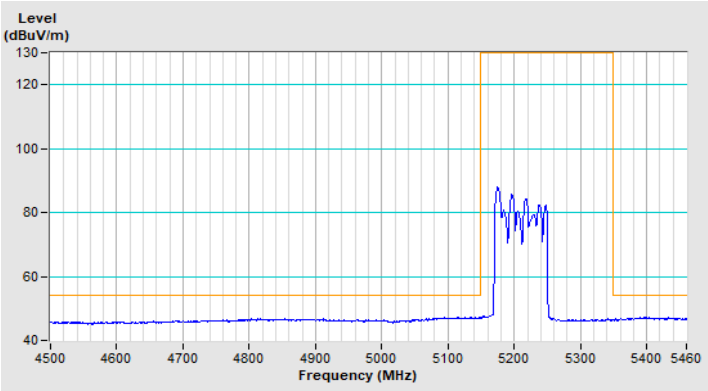
802.11be (EHT40) Channel 151	
	
Horizontal (Peak)	Vertical (Peak)

802.11be (EHT40) Channel 159	
	
Horizontal (Peak)	Vertical (Peak)

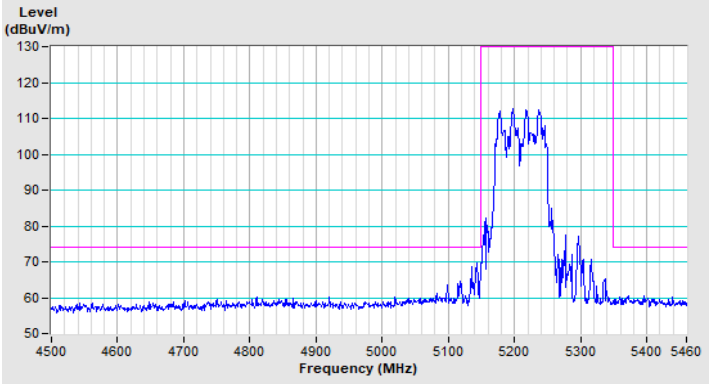
802.11be (EHT80) Channel 42



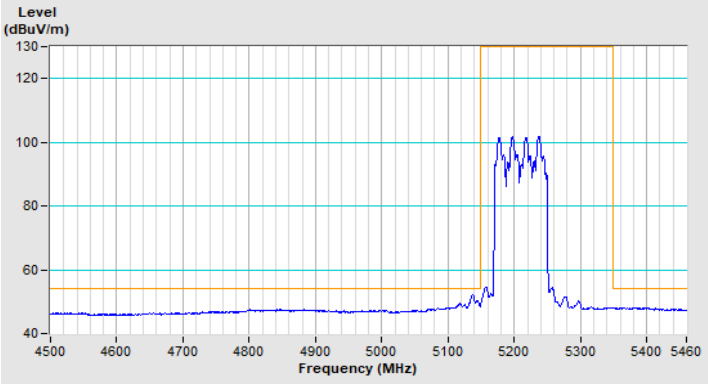
Horizontal (Peak)



Horizontal (Average)

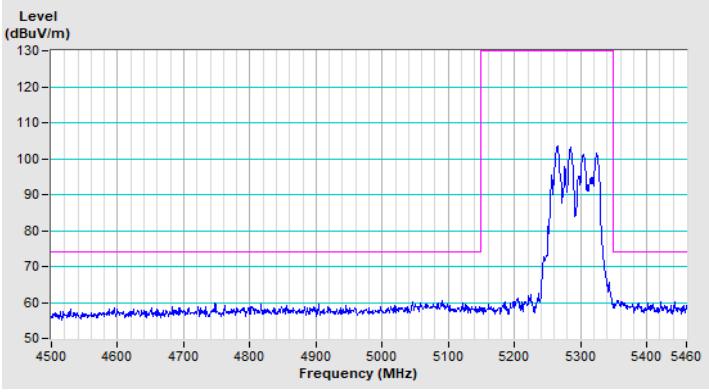


Vertical (Peak)

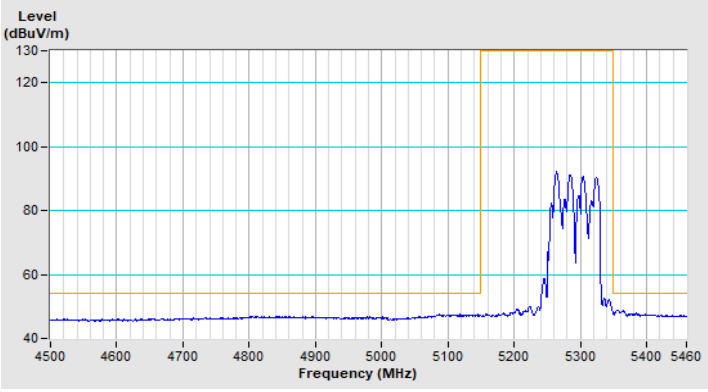


Vertical (Average)

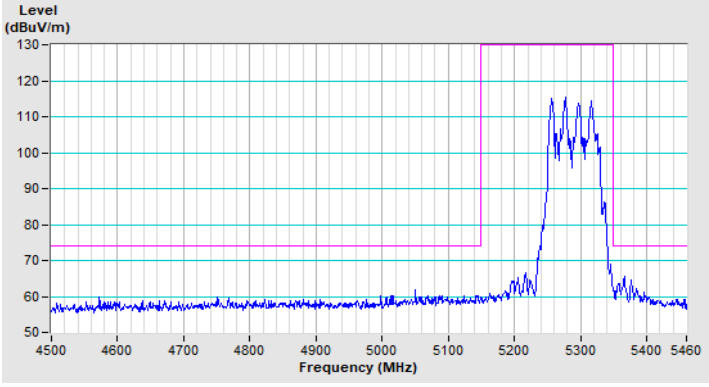
802.11be (EHT80) Channel 58



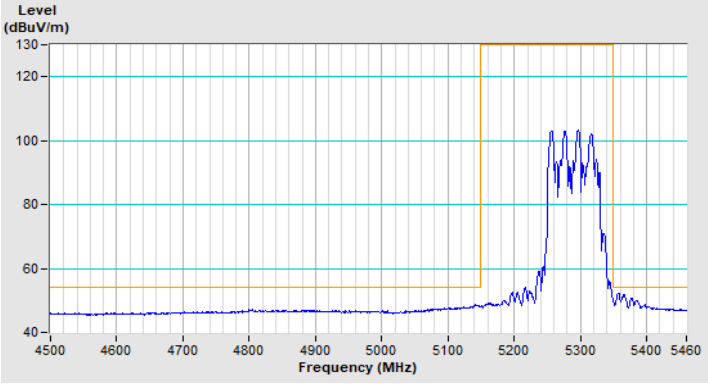
Horizontal (Peak)



Horizontal (Average)

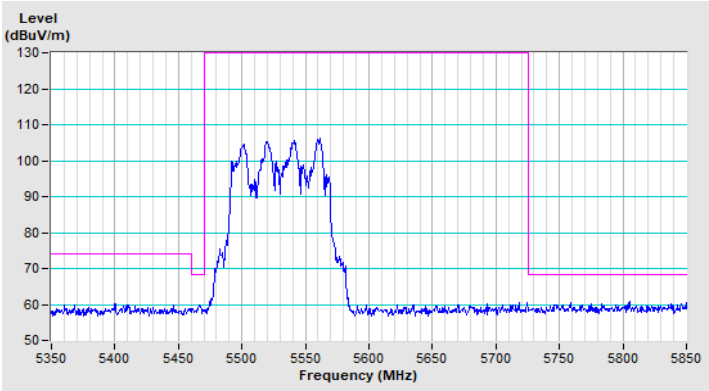


Vertical (Peak)

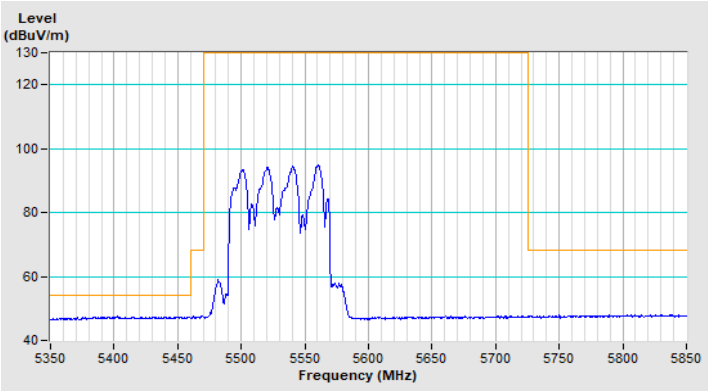


Vertical (Average)

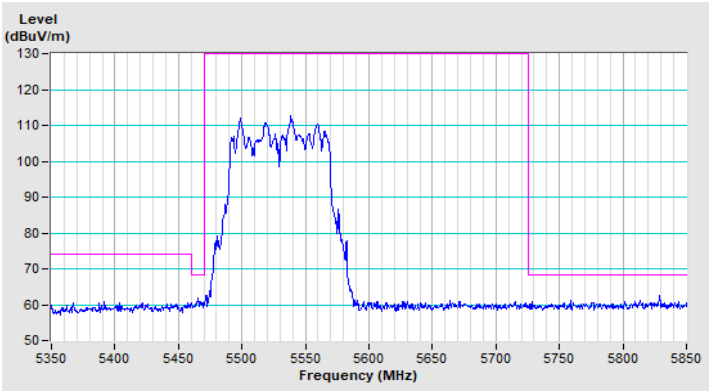
802.11be (EHT80) Channel 106



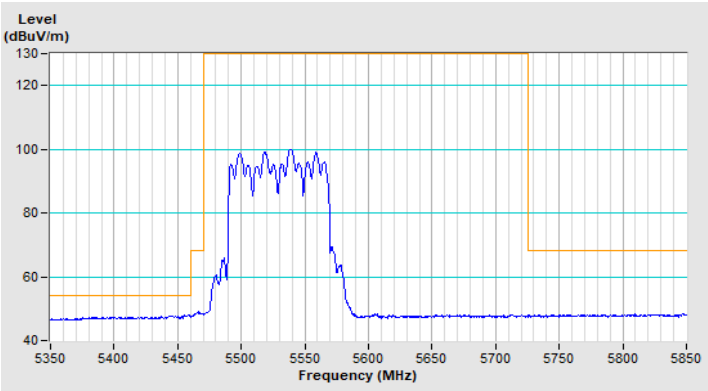
Horizontal (Peak)



Horizontal (Average)

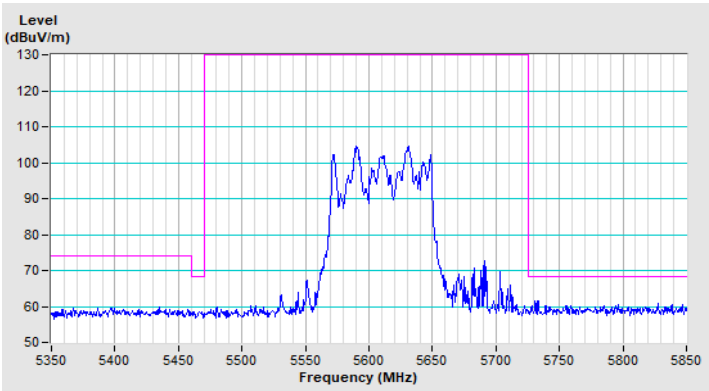


Vertical (Peak)

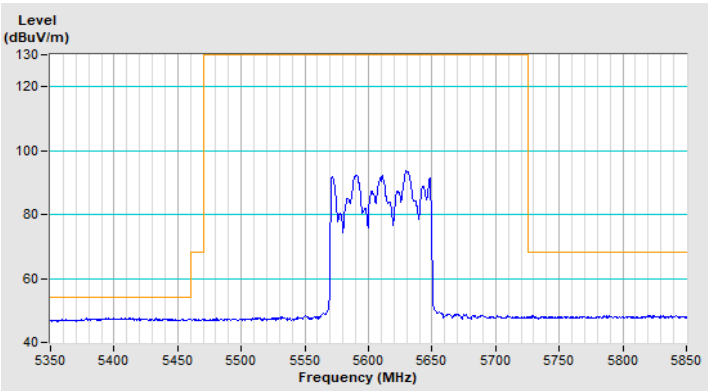


Vertical (Average)

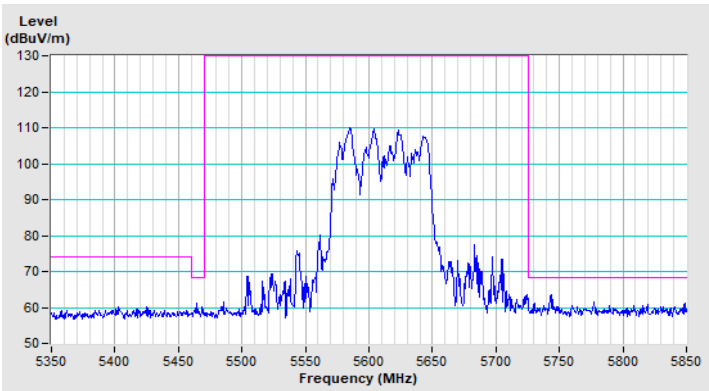
802.11be (EHT80) Channel 122



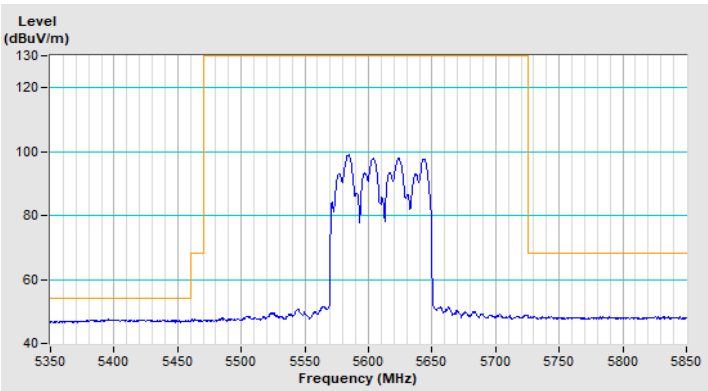
Horizontal (Peak)



Horizontal (Average)

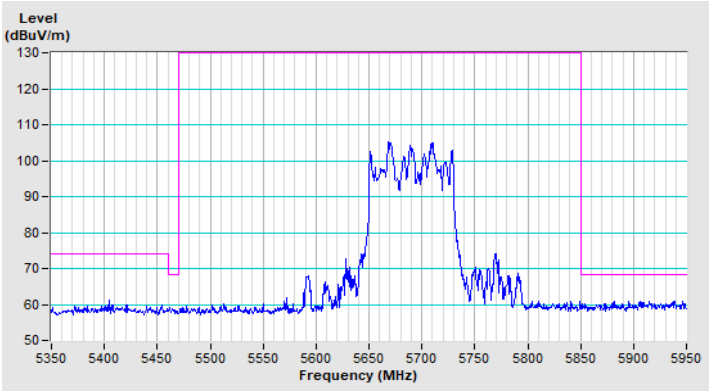


Vertical (Peak)

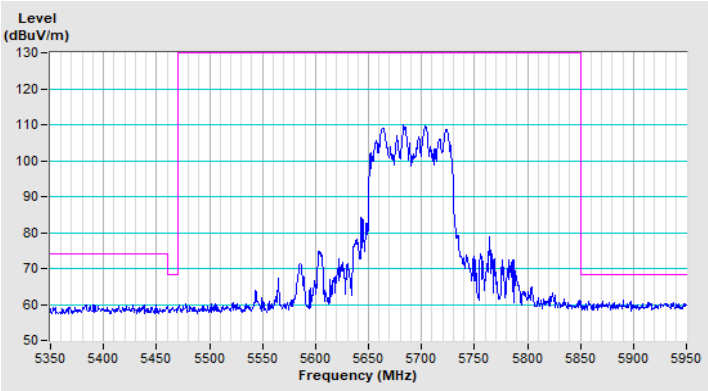


Vertical (Average)

802.11be (EHT80) Channel 138

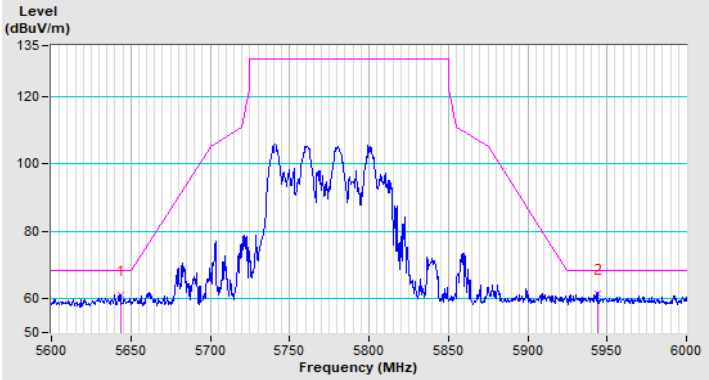


Horizontal (Peak)

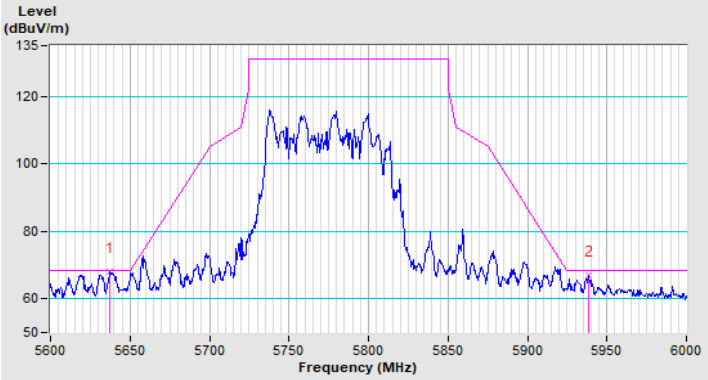


Vertical (Peak)

802.11be (EHT80) Channel 155

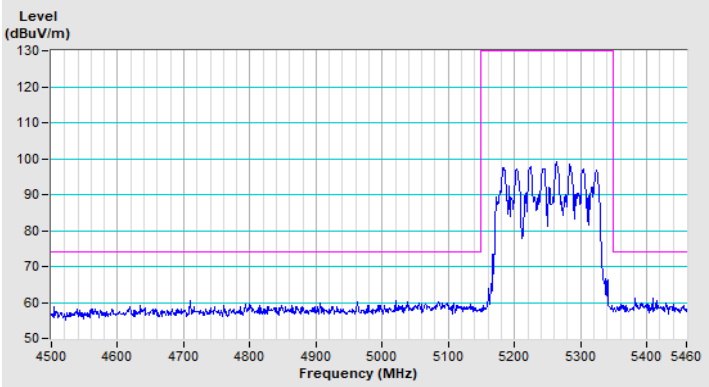


Horizontal (Peak)

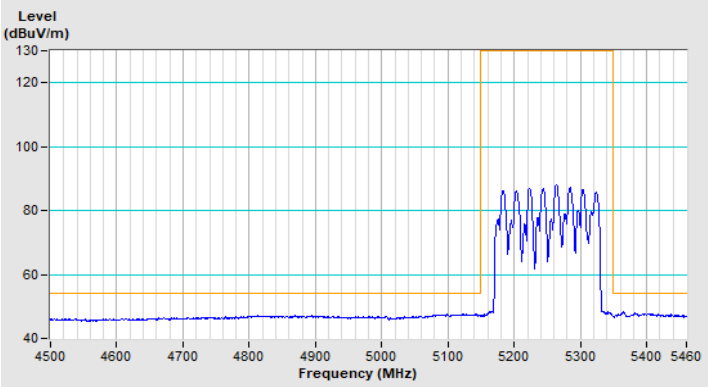


Vertical (Peak)

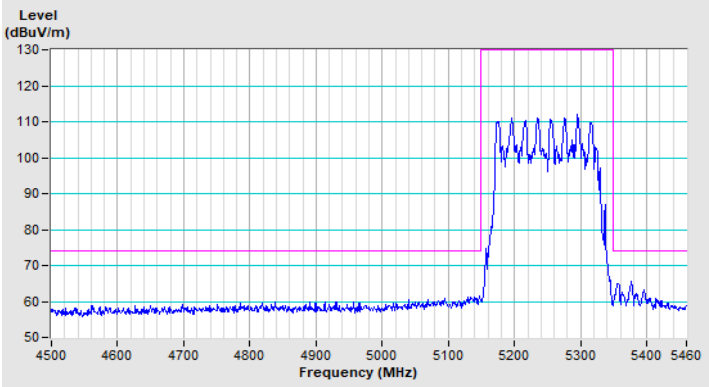
802.11be (EHT160) Channel 50



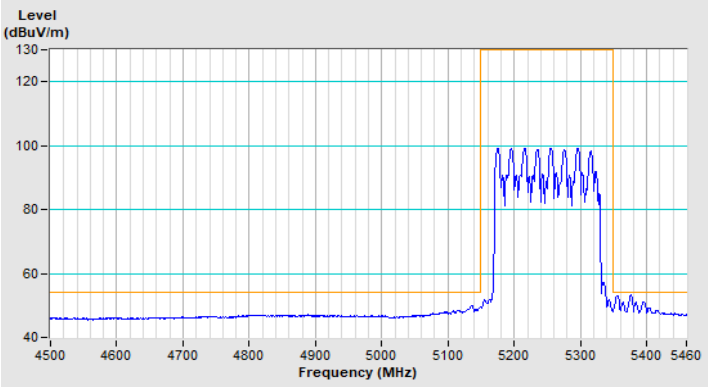
Horizontal (Peak)



Horizontal (Average)

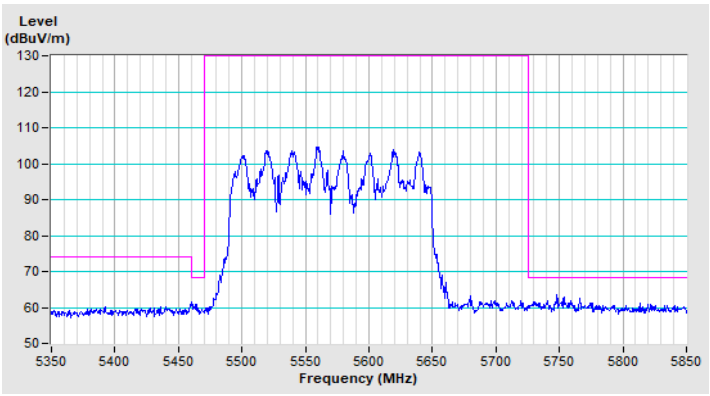


Vertical (Peak)

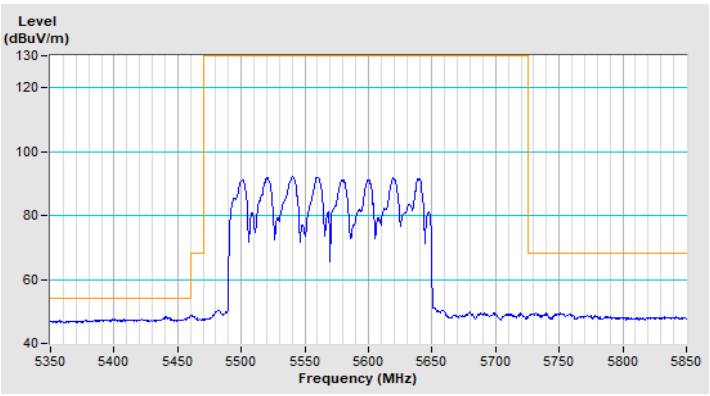


Vertical (Average)

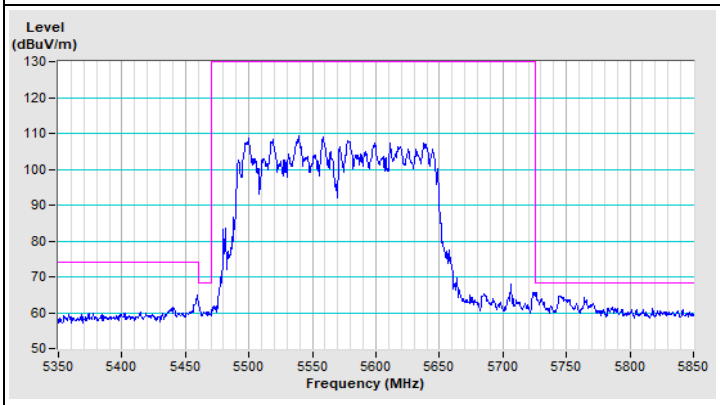
802.11be (EHT160) Channel 114



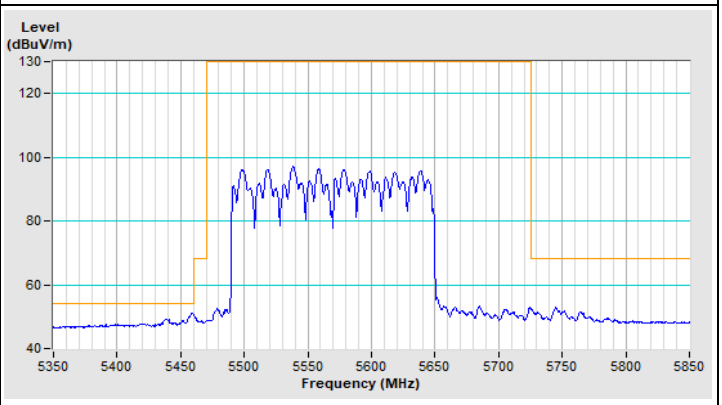
Horizontal (Peak)



Horizontal (Average)

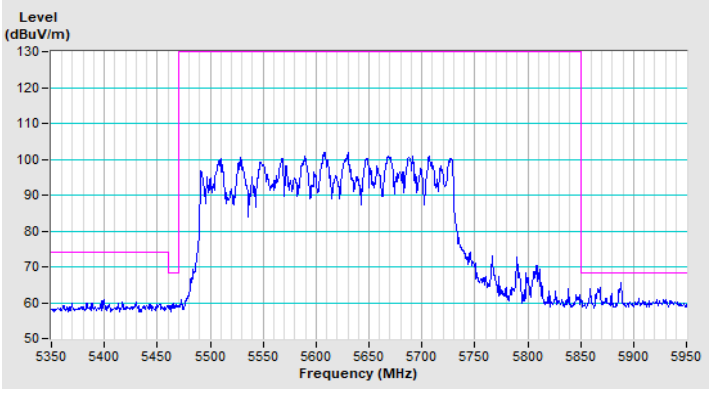


Vertical (Peak)

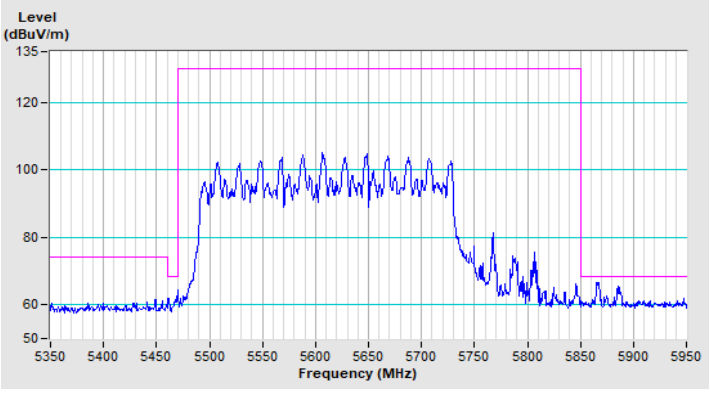


Vertical (Average)

802.11be (EHT240) Channel 114+138



Horizontal (Peak)



Vertical (Peak)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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