

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBAPP-WTW-P26030041-1
FCC ID: PD5-NWA1250
Product: Outdoor Wireless AP
Brand: Nile Global
Model No.: NWA1250
Received Date: 2026/3/10
Test Date: 2026/4/8 ~ 2026/6/3
Issued Date: 2026/9/3
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FCC Registration / 788550 / TW0003
Designation Number:

Approved by: _____

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: _____

2026/9/3

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Prepared by : Polly Chien / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBAPP-WTW-P26030041-1	Original release.	2026/9/3

1 Certificate

Product: Outdoor Wireless AP

Brand: Nile Global

Test Model: NWA1250

Sample Status: Engineering sample

Applicant: Delta Electronics, Inc.

Test Date: 2026/4/8 ~ 2026/6/3

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

Measurement procedure: ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(1) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -12.85 dB at 2.37400 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -1.7 dB at 30.00 MHz
15.407(b) (1/10) 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	Antenna connector is I-PEX not a standard connector.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 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	Outdoor Wireless AP
Brand	Nile Global
Test Model	NWA1250
Status of EUT	Engineering sample
Power Supply Rating	54 Vdc (From POE)
Modulation Type	Traffic Radio: 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode Scan Radio: 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Traffic Radio: Up to 2882.4 Mbps Scan Radio: Up to 1201 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):9 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):4 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):2
Partial RU Mode	Not support
Channel Puncturing	Not support
Output Power	Traffic Radio: 5.18 GHz ~ 5.24 GHz: 275.385 mW (24.4 dBm) 5.745 GHz ~ 5.825 GHz: 518.097 mW (27.14 dBm) Scan Radio: 5.18 GHz ~ 5.24 GHz: 79.109 mW (18.98 dBm) 5.745 GHz ~ 5.825 GHz: 368.585 mW (25.67 dBm)
EUT Category	Traffic Radio: Master device Scan Radio: Client device

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
Wall Mount	-	-	-

2. There are five modules for the EUT.

Mode	Function	Radio
Traffic	WLAN (2.4G)	1
Traffic	WLAN (5G)	2
Scan	WLAN (2.4G+5G)	4
Traffic	BT	5

3. Simultaneously transmission condition.

Condition	Technology			
1	WLAN 2.4G (Radio 1)	WLAN 5G (Radio 2)	BT LE (Radio 5)	WLAN 2.4G (Radio 4)
2	WLAN 2.4G (Radio 1)	WLAN 5G (Radio 2)	BT LE (Radio 5)	WLAN 5G (Radio 4)
Note: The emission of the simultaneous operation has been evaluated, and no non-compliance was found.				

4. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & Scan radio) technology used for the EUT.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	Radio	Mode	Antenna Gain (dBi)	Frequency range (MHz)	Antenna Type	Connector Type
Ant. 1	2	WLAN	8.56	5150	Patch	ipex
			8.36	5200	Patch	ipex
			8.35	5250	Patch	ipex
			8.24	5300	Patch	ipex
			8.24	5350	Patch	ipex
			8.30	5470	Patch	ipex
			8.02	5600	Patch	ipex
			8.05	5725	Patch	ipex
			8.18	5785	Patch	ipex
			8.10	5850	Patch	ipex
Ant. 2		WLAN	8.99	5150	Patch	ipex
			8.82	5200	Patch	ipex
			8.73	5250	Patch	ipex
			8.53	5300	Patch	ipex
			8.44	5350	Patch	ipex
			8.36	5470	Patch	ipex
			8.09	5600	Patch	ipex
			8.10	5725	Patch	ipex
			8.11	5785	Patch	ipex
Ant. 3		WLAN	8.17	5850	Patch	ipex
			8.99	5150	Patch	ipex
			8.92	5200	Patch	ipex
			8.87	5250	Patch	ipex
			8.71	5300	Patch	ipex
			8.56	5350	Patch	ipex
			8.10	5470	Patch	ipex
			8.18	5600	Patch	ipex
			8.09	5725	Patch	ipex
			8.32	5785	Patch	ipex
Ant. 4		WLAN	8.44	5850	Patch	ipex
	8.98		5150	Patch	ipex	
	8.87		5200	Patch	ipex	
	8.88		5250	Patch	ipex	
	8.94		5300	Patch	ipex	
	8.88		5350	Patch	ipex	
	8.96		5470	Patch	ipex	
	8.91		5600	Patch	ipex	
	8.93		5725	Patch	ipex	
	8.90		5785	Patch	ipex	
		WLAN	8.81	5850	Patch	ipex

Antenna No.	Radio	Mode	Antenna Gain (dBi)	Frequency range (MHz)	Antenna Type	Connector Type
Ant. 5	1	WLAN	7.25	2400	Patch	ipex
			7.01	2450	Patch	ipex
			7.47	2500	Patch	ipex
Ant. 6		WLAN	7.80	2400	Patch	ipex
			8.65	2450	Patch	ipex
			8.25	2500	Patch	ipex
Ant. 11	4	WLAN	6.88	2400	PIFA	ipex
			6.68	2450	PIFA	ipex
			6.03	2500	PIFA	ipex
			5.76	5150	PIFA	ipex
			5.09	5200	PIFA	ipex
			4.80	5250	PIFA	ipex
			4.09	5300	PIFA	ipex
			4.34	5350	PIFA	ipex
			5.40	5470	PIFA	ipex
			5.64	5600	PIFA	ipex
			5.31	5725	PIFA	ipex
			5.55	5785	PIFA	ipex
			5.21	5850	PIFA	ipex
Ant. 12		WLAN	6.04	2400	PIFA	ipex
			6.13	2450	PIFA	ipex
			5.66	2500	PIFA	ipex
			6.89	5150	PIFA	ipex
			6.40	5200	PIFA	ipex
			5.97	5250	PIFA	ipex
			5.81	5300	PIFA	ipex
			5.68	5350	PIFA	ipex
			5.87	5470	PIFA	ipex
			5.12	5600	PIFA	ipex
			6.67	5725	PIFA	ipex
			6.45	5785	PIFA	ipex
Ant. 13	5	BT	6.83	5850	PIFA	ipex
			5.96	2400	PIFA	ipex
			5.63	2450	PIFA	ipex
			6.62	2500	PIFA	ipex

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

2. The EUT incorporates a MIMO function:

Traffic Radio:

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
802.11ax (HE20)	Support	4TX	4RX
802.11ax (HE40)	Support	4TX	4RX
802.11ax (HE80)	Support	4TX	4RX
802.11be (EHT20)	Support	4TX	4RX
802.11be (EHT40)	Support	4TX	4RX
802.11be (EHT80)	Support	4TX	4RX

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz). Therefore the investigated worst case is the representative mode in test report.

Scan Radio:

5 GHz Band			
Modulation Mode	Beamforming Mode	TX & RX Configuration	
802.11a	Not Support	2TX	2RX
802.11n (HT20)	Not Support	2TX	2RX
802.11n (HT40)	Not Support	2TX	2RX
802.11ac (VHT20)	Not Support	2TX	2RX
802.11ac (VHT40)	Not Support	2TX	2RX
802.11ac (VHT80)	Not Support	2TX	2RX
802.11ax (HE20)	Not Support	2TX	2RX
802.11ax (HE40)	Not Support	2TX	2RX
802.11ax (HE80)	Not Support	2TX	2RX

Note:

1. 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), and 802.11ax mode for 20 MHz (40 MHz, 80 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 Channel List

Traffic Radio:

FOR 5180 ~ 5240 MHz

4 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	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

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

Channel	Frequency
42	5210 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

Scan Radio:

FOR 5180 ~ 5240 MHz

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

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

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

Channel	Frequency
42	5210 MHz

FOR 5745 ~ 5825 MHz:

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

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):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

The EUT is designed to be positioned on the Wall Mount Mode only.

The outdoor AP can only be installed with a downward tilt angle of 30 degrees. Therefore, when the elevation angle is lower than 30 degrees, the EIRP of above 30 degrees from the horizon, measurement angles are from 60 degrees to 150 degrees.

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
Output power	A	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD & Beamforming	38, 46, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD & Beamforming	42, 155	BPSK	MCS0
	B	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 155	BPSK	MCS0
Power Spectral Density	A	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD & Beamforming	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD & Beamforming	38, 46, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD & Beamforming	42, 155	BPSK	MCS0
	B	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD &	38, 46, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 155	BPSK	MCS0
6 dB Bandwidth	A	802.11a	CDD	149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	155	BPSK	MCS0
	B	802.11a	CDD	149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	155	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate
Occupied Bandwidth	A	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 155	BPSK	MCS0
	B	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 155	BPSK	MCS0
AC Power Conducted Emissions	A	802.11be (EHT20)	CDD	165	BPSK	MCS0
	B	802.11ax (HE20)	CDD	149	BPSK	MCS0
Unwanted Emissions below 1 GHz	A	802.11be (EHT20)	CDD	165	BPSK	MCS0
	B	802.11ax (HE20)	CDD	149	BPSK	MCS0
Unwanted Emissions above 1 GHz	A	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11be (EHT20)	CDD	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11be (EHT40)	CDD	38, 46, 151, 159	BPSK	MCS0
		802.11be (EHT80)	CDD	42, 155	BPSK	MCS0
	B	802.11a	CDD	36, 40, 48, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 155	BPSK	MCS0
EUT Configure Mode:	A	Traffic Radio (Radio 2)				
	B	Scan Radio (Radio 4)				

3.5 Duty Cycle of Test Signal

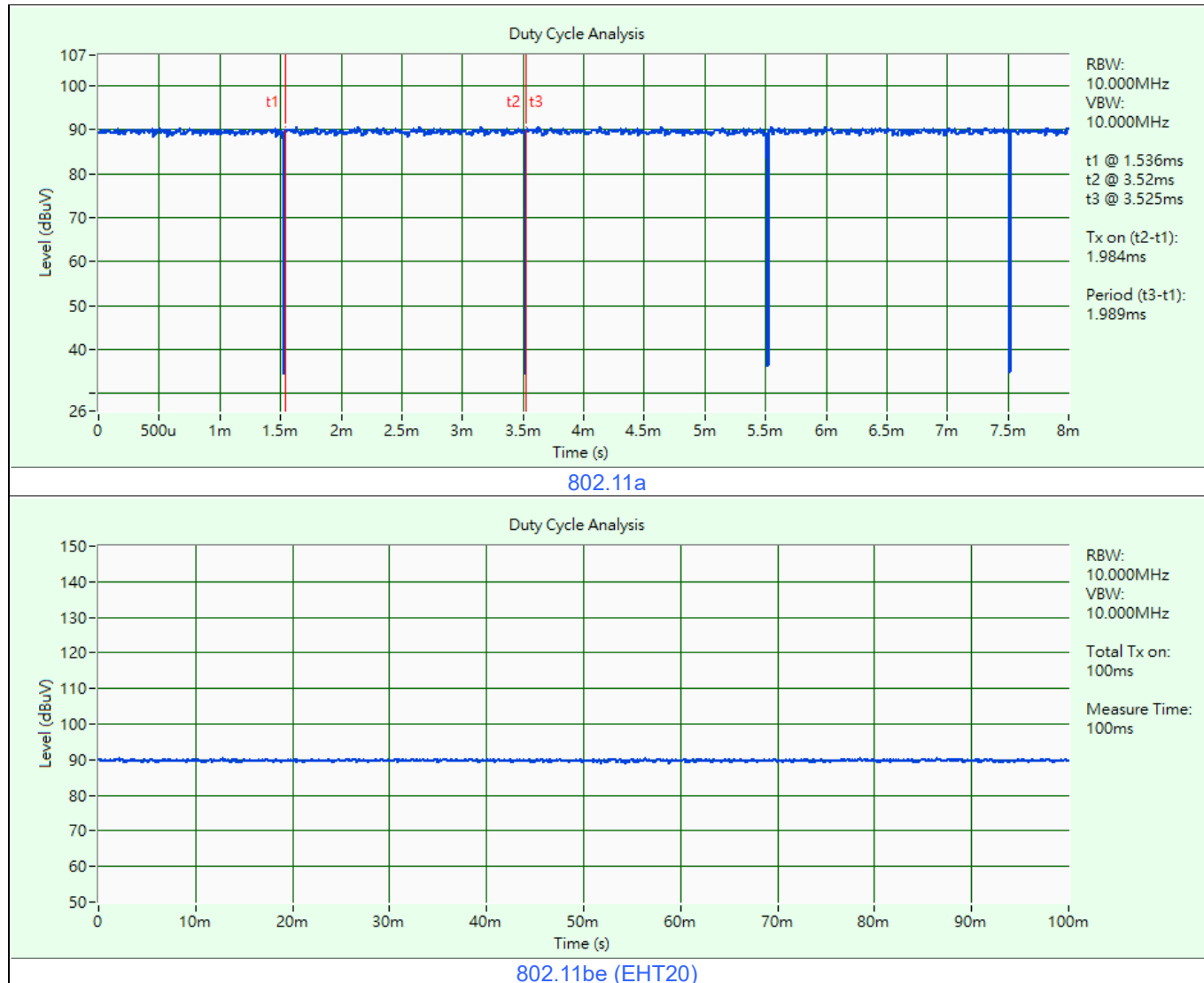
Traffic Radio (Mode A)

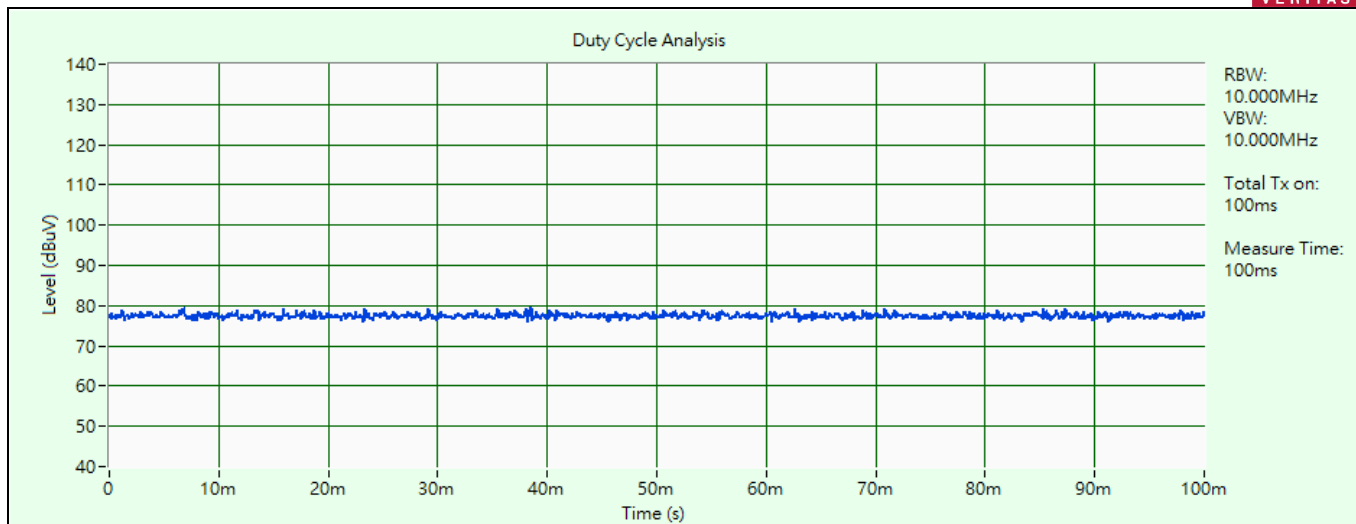
802.11a: Duty cycle = $1.984 \text{ ms} / 1.989 \text{ ms} \times 100\% = 99.7\%$

802.11be (EHT20): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$

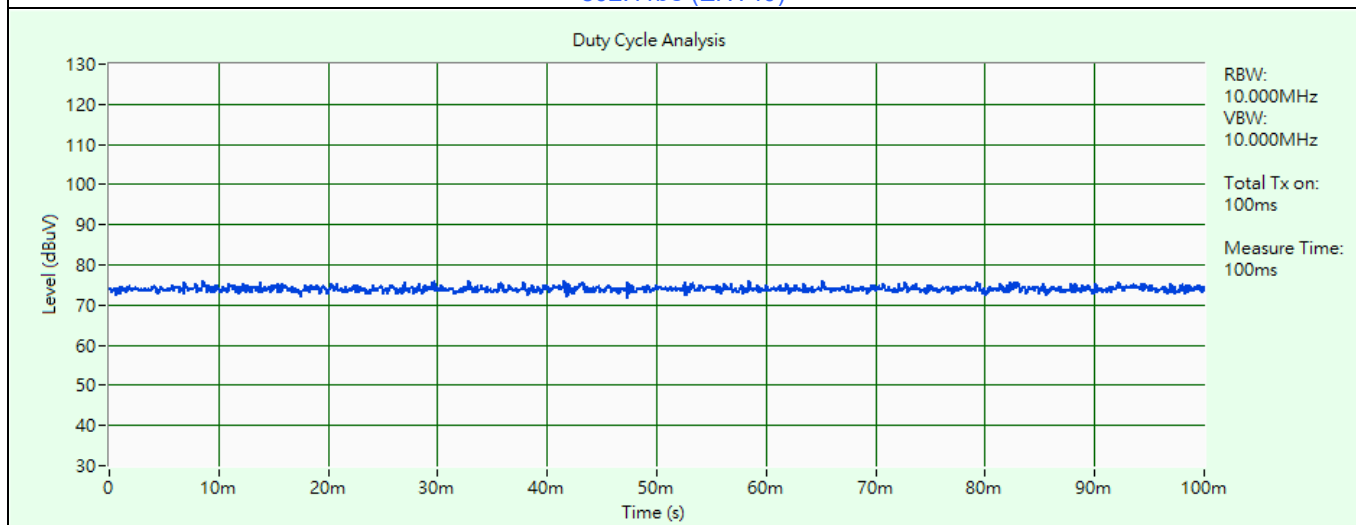
802.11be (EHT40): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$

802.11be (EHT80): Duty cycle = $100 \text{ ms} / 100 \text{ ms} \times 100\% = 100.0\%$





802.11be (EHT40)



802.11be (EHT80)

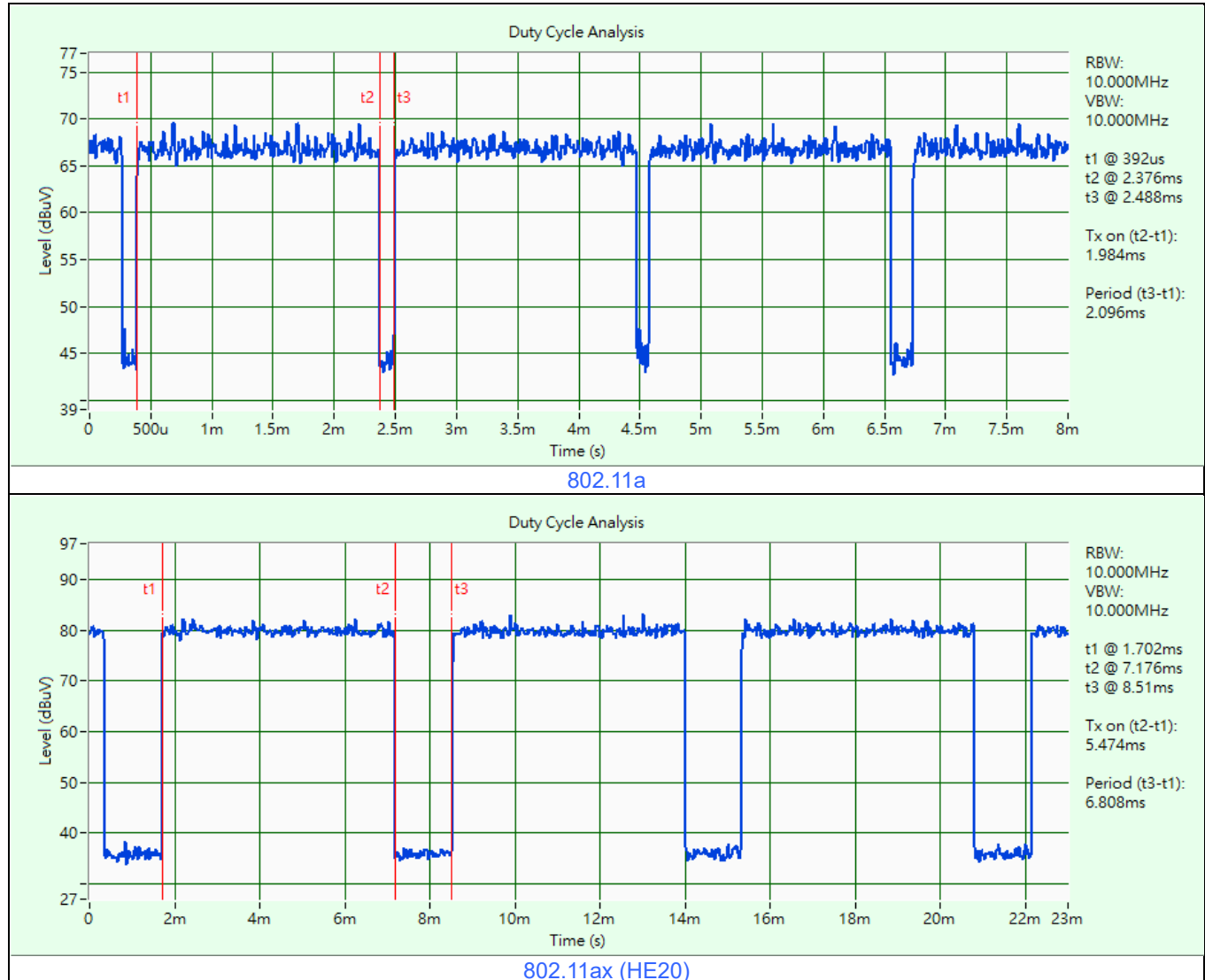
Scan Radio (Mode B)

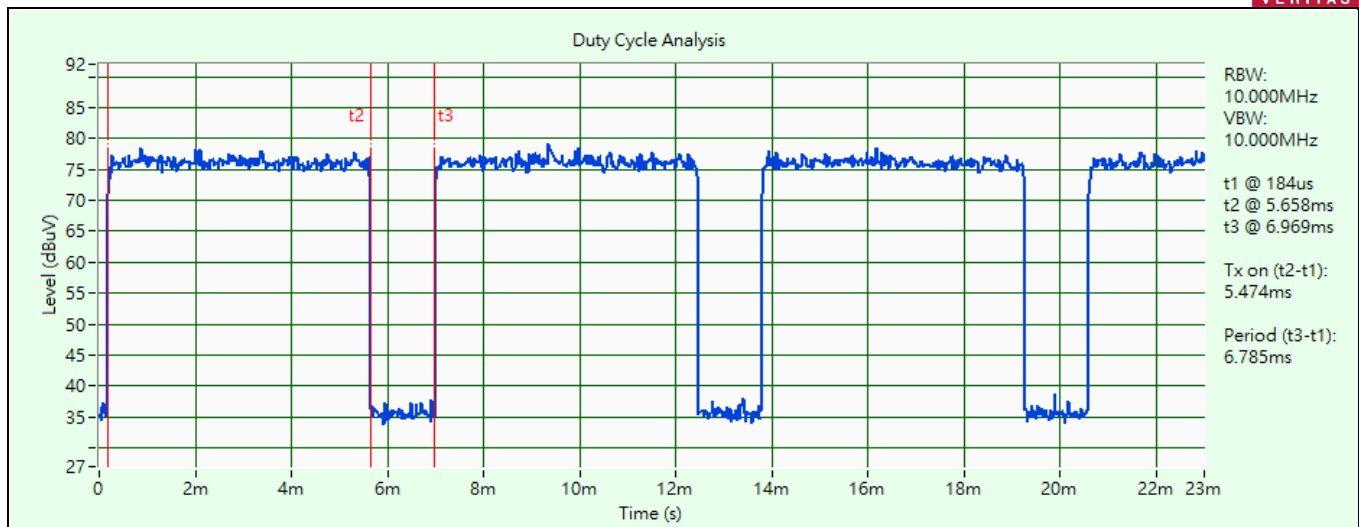
802.11a: Duty cycle = $1.984 \text{ ms} / 2.096 \text{ ms} \times 100\% = 94.7\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.24 \text{ dB}$

802.11ax (HE20): Duty cycle = $5.474 \text{ ms} / 6.808 \text{ ms} \times 100\% = 80.4\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.95 \text{ dB}$

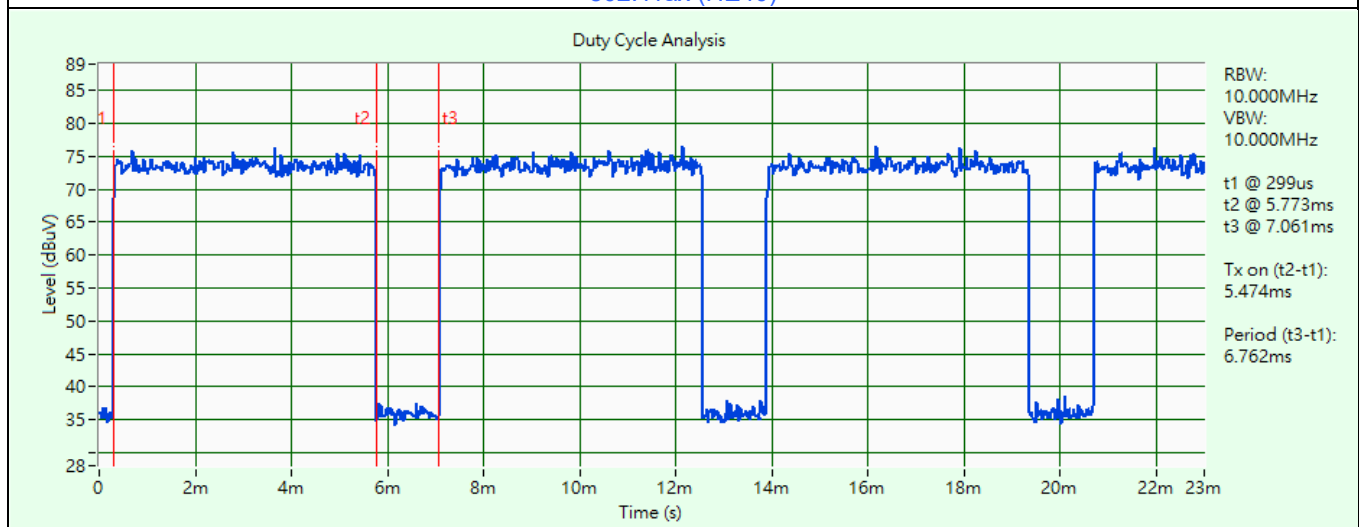
802.11ax (HE40): Duty cycle = $5.474 \text{ ms} / 6.785 \text{ ms} \times 100\% = 80.7\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.93 \text{ dB}$

802.11ax (HE80): Duty cycle = $5.474 \text{ ms} / 6.762 \text{ ms} \times 100\% = 81.0\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.92 \text{ dB}$





802.11ax (HE40)

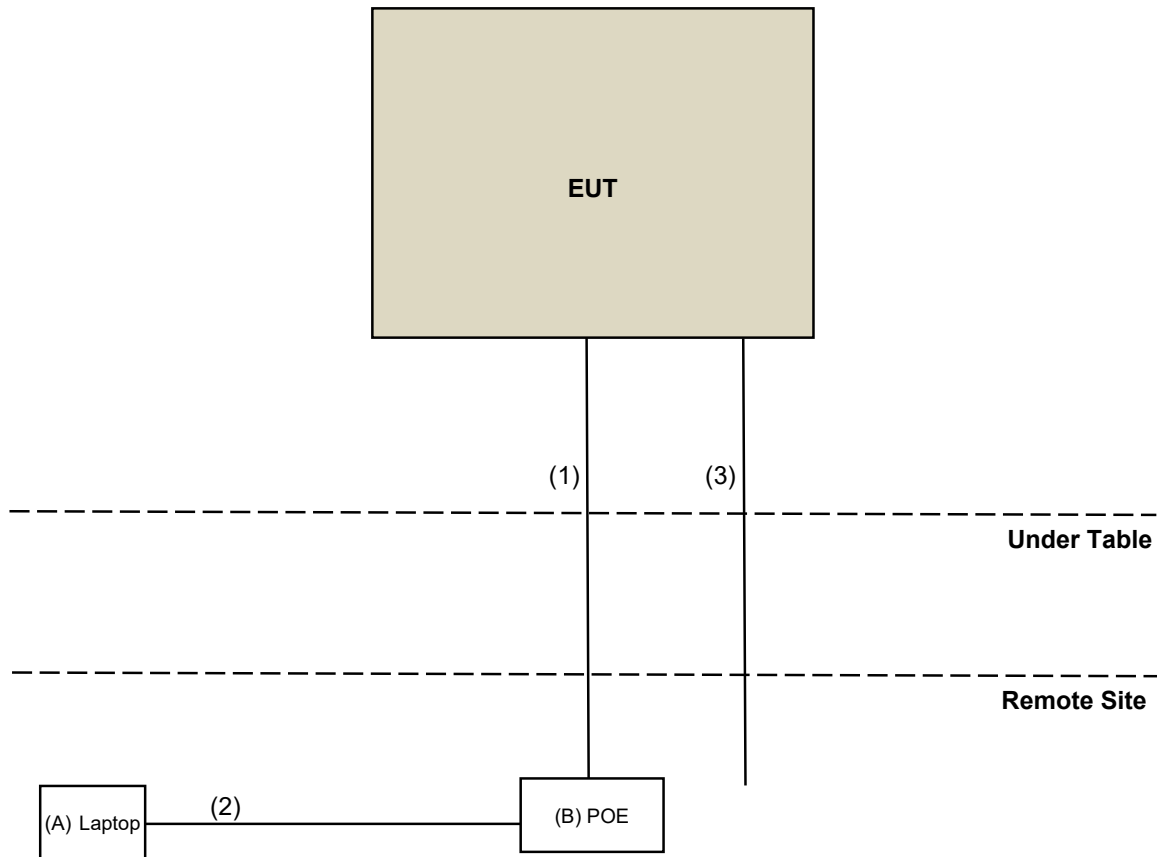


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software QSPR Version 6.00.00234.1 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	X250	PC04UZN1	NA	Provided by Lab
B	POE	NA	NA	NA	NA	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	LAN Cable	1	6	No	0	Provided by Lab
2	LAN Cable	1	1.5	No	0	Provided by Lab
3	GND Cable	1	1.5	No	0	Provided by Lab

4 Test Instruments

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

4.1 RF Output Power

Conducted Measurement Method

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
Peak Power Analyzer Keysight	8990B	MY51000485	2026/1/23	2027/1/22
USB Power Sensor Anritsu	MA24408A	12994	2025/12/5	2026/12/4
Wideband Power Sensor Keysight	N1923A	MY58020002	2026/1/26	2027/1/25
		MY58140009	2026/1/26	2027/1/25

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/6/2 ~ 2026/6/3

Radiated Measurement Method

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8447D	2944A10638	2026/4/18	2027/4/17
Preamplifier EMCI	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2026/4/18	2027/4/17
Signal & Spectrum Analyzer R&S	FSW43	101582	2026/5/2	2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4(Hwaya).
2. Tested Date: 2026/5/20

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/6/2 ~ 2026/6/3

4.3 6 dB Bandwidth

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

4.4 Occupied Bandwidth

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

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2025/12/4	2026/12/3
	E1-011280	05	2025/12/4	2026/12/3
	E1-011311	09	2025/12/4	2026/12/3
DC LISN Schwarzbeck	NNBM 8126G	8126G-069	2025/11/3	2026/11/2
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01617	2025/8/23	2026/8/22
EMI Test Receiver R&S	ESR3	102783	2025/12/15	2026/12/14
LISN R&S	ESH2-Z5	100100	2026/3/4	2027/3/3
	ESH3-Z5	100312	2025/8/29	2026/8/28
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2025/8/23	2026/8/22
Software BVADT	BVADT_Conc_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2025/8/27	2026/8/26

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2026/5/20

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8447D	2944A10638	2026/4/18	2027/4/17
Preamplifier EMCI	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2026/4/18	2027/4/17
Signal & Spectrum Analyzer R&S	FSW43	101582	2026/5/2	2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

3. The test was performed in HY - 966 chamber 4(Hwaya).
4. Tested Date: 2026/5/20

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2025/11/9	2026/11/8
	BBHA 9170	9170-480	2025/11/9	2026/11/8
		BBHA9170243	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8449B	3008A02367	2026/1/3	2027/1/2
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2026/1/3	2027/1/2
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2026/1/3	2027/1/2
Signal & Spectrum Analyzer R&S	FSW43	101582	2025/4/15 2026/5/2	2026/4/14 2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4(Hwaya).
2. Tested Date: 2026/4/8 ~ 2026/5/20

5 Limits of Test Items

5.1 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Points	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Client devices	250mW (24 dBm)

Operation Band	Limit
U-NII-3	1 Watt (30 dBm)

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.2 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Points	
	Indoor Access Point	
	Client devices	11 dBm/MHz

Operation Band	Limit
U-NII-3	30 dBm/500 kHz

5.3 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.

5.4 Occupied Bandwidth

The results are for reference only.

5.5 AC Power Conducted Emissions

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

Notes:

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

5.6 Unwanted Emissions below 1 GHz

Radiated emissions 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).

5.7 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 5.725-5.850 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:

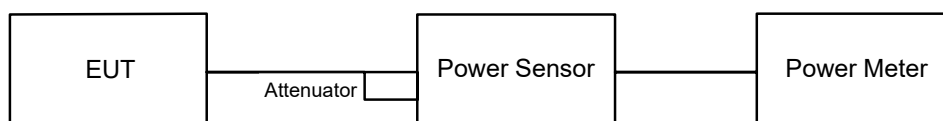
$$E = \frac{1000000 \sqrt{30P}}{3} \quad \mu\text{V/m, where P is the eirp (Watts).}$$

6 Test Arrangements

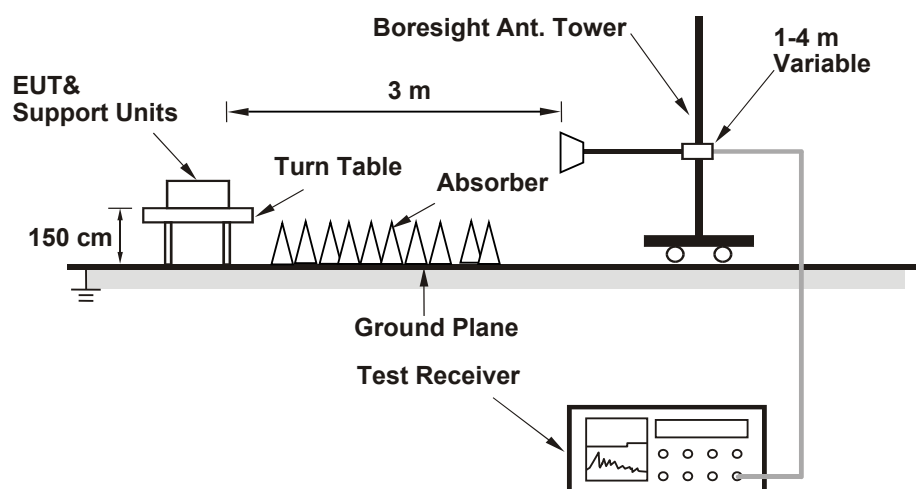
6.1 RF Output Power

6.1.1 Test Setup

Conducted Measurement Method



Radiated Measurement Method



6.1.2 Test Procedure

Conducted Measurement Method

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.

Radiated Measurement Method

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
- Follow ANSI C63.10 section 12.7.3, $EIRP \text{ Value (dBm)} = \text{Field Strength Value (dBuV / m)} + \text{Correction Factor @ 3 m}$.
- $\text{Correction Factor (dB) @ 3 m} = 20\log(D) - 104.77 = -95.23 \text{ dB}$; where D is the measurement distance @3 m.

Spectrum analyzer setting as below:

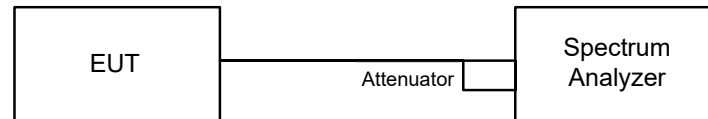
Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value.

Note: When measuring power, use compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band-power measurement function, with band limits set equal to the 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 99% OBW of the spectrum.

6.2 Power Spectral Density

6.2.1 Test Setup



6.2.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

For specified measurement bandwidth 1 MHz:

Method SA-2

- Measure the duty cycle of the transmitter output signal.
- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

For specified measurement bandwidth 500 kHz:

Method SA-1

- Set span to encompass the entire 99% OBW of the signal
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS.
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value.

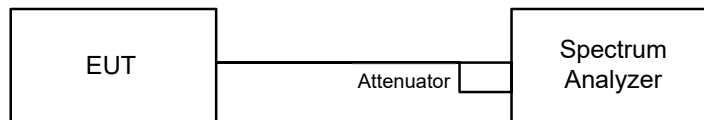
For specified measurement bandwidth 500 kHz:

Method SA-2

- Measure the duty cycle of the transmitter output signal.
- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS.
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz}/300 \text{ kHz})$.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

6.3 6 dB Bandwidth

6.3.1 Test Setup

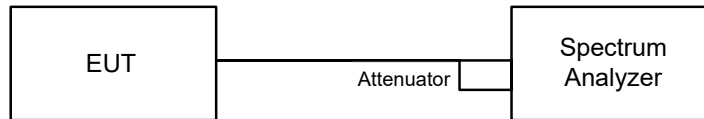


6.3.2 Test Procedure

- Set RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.4 Occupied Bandwidth

6.4.1 Test Setup



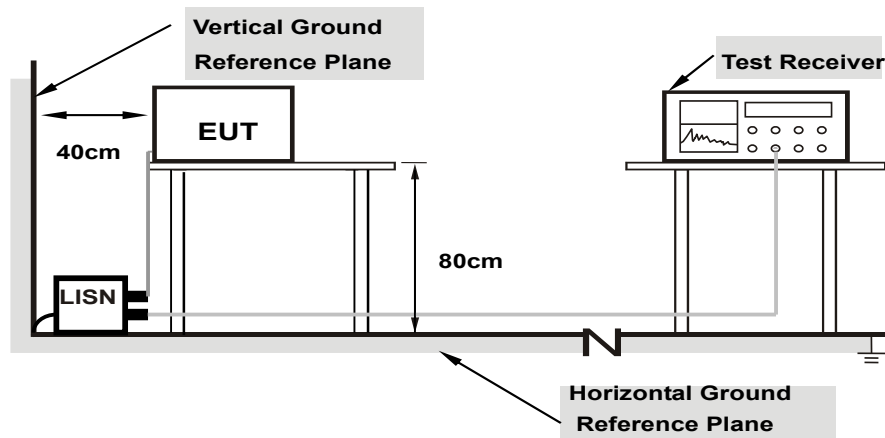
6.4.2 Test Procedure

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

6.5 AC Power Conducted Emissions

6.5.1 Test Setup



Note: 1.Support units were connected to second LISN.

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

6.5.2 Test Procedure

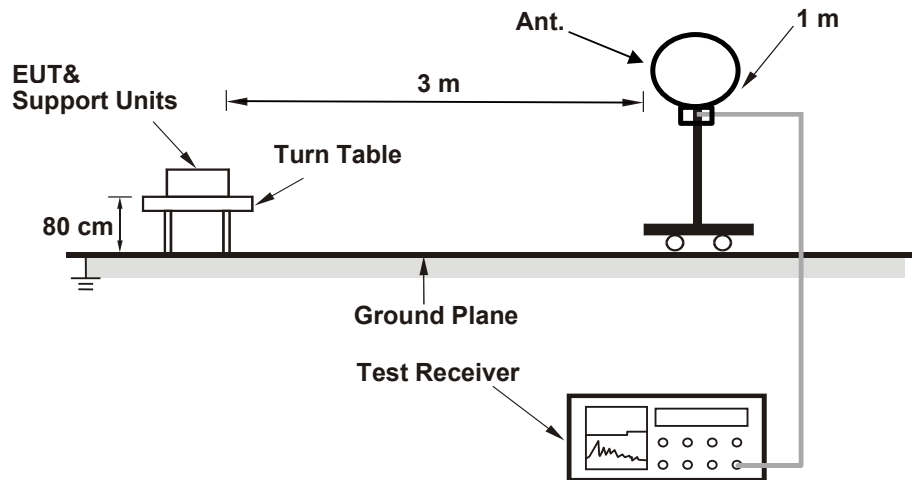
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

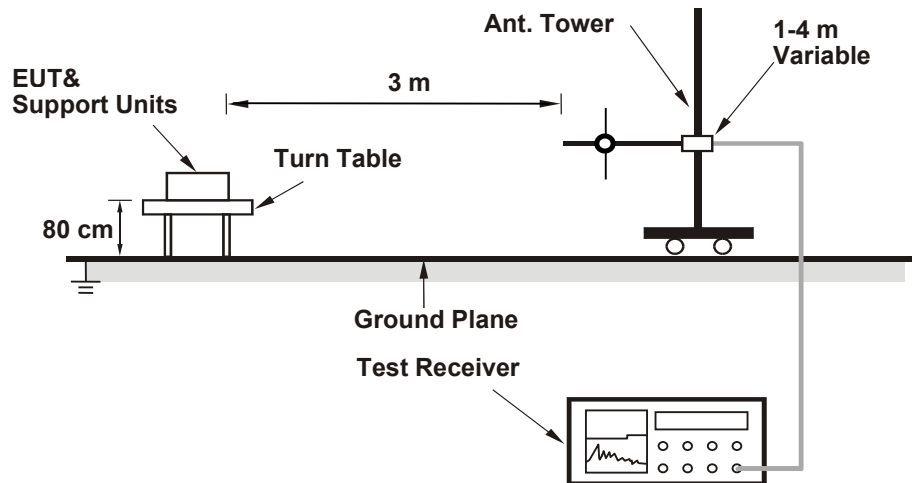
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

For Radiated emission below 30 MHz

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

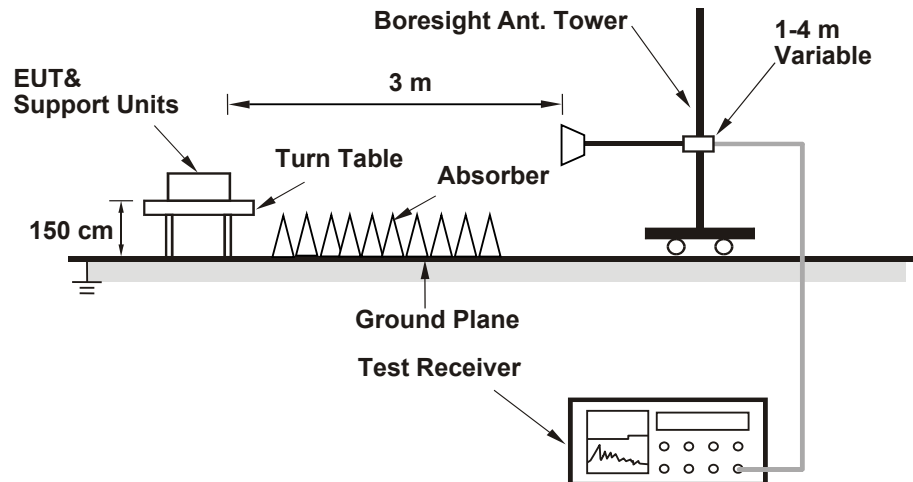
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Quasi-peak(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 1 GHz.

Notes:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
- All modes of operation were investigated and the worst-case emissions are reported.

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



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

6.7.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 RF Output Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin
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Traffic Radio (Mode A)

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	15.36	15.10	14.96	15.18	131.009	21.17	27.01	Pass
40	5200	15.30	15.18	14.91	15.07	129.956	21.14	27.01	Pass
48	5240	14.99	15.28	15.09	15.03	129.406	21.12	27.01	Pass
149	5745	20.52	20.63	20.57	20.61	457.436	26.60	27.07	Pass
157	5785	21.07	20.76	20.88	21.39	507.245	27.05	27.07	Pass
165	5825	20.89	20.53	20.65	20.97	476.894	26.78	27.07	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 8.99 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.99-6) = 27.01$ dBm.
3. For U-NII-3, the maximum gain is 8.93 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.93-6) = 27.07$ dBm.

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	15.54	15.00	14.83	15.02	129.61	21.13	27.01	Pass
40	5200	15.45	15.12	15.03	15.03	131.268	21.18	27.01	Pass
48	5240	14.94	15.27	15.12	15.29	131.155	21.18	27.01	Pass
149	5745	20.77	20.81	20.85	20.76	480.645	26.82	27.07	Pass
157	5785	20.82	20.94	20.82	20.69	482.948	26.84	27.07	Pass
165	5825	21.11	20.95	20.91	21.12	506.303	27.04	27.07	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 8.99 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.99-6) = 27.01$ dBm.
3. For U-NII-3, the maximum gain is 8.93 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.93-6) = 27.07$ dBm.

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	15.56	15.33	15.42	15.49	140.328	21.47	27.01	Pass
46	5230	18.59	18.52	18.19	18.20	275.385	24.40	27.01	Pass
151	5755	19.55	19.88	19.68	19.62	371.951	25.70	27.07	Pass
159	5795	19.88	19.68	20.18	19.82	390.343	25.91	27.07	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 8.99 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.99-6) = 27.01$ dBm.
3. For U-NII-3, the maximum gain is 8.93 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.93-6) = 27.07$ dBm.

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	15.32	15.14	15.06	15.04	130.678	21.16	27.01	Pass
155	5775	19.33	19.04	19.05	18.98	325.292	25.12	27.07	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 8.99 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.99-6) = 27.01$ dBm.
3. For U-NII-3, the maximum gain is 8.93 dBi > 6 dBi, so the output power limit shall be reduced to $30-(8.93-6) = 27.07$ dBm.

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	14.54	14.00	13.83	14.02	102.953	20.13	21.2	Pass
40	5200	14.45	14.12	14.03	14.03	104.27	20.18	21.2	Pass
48	5240	13.94	14.27	14.12	14.29	104.18	20.18	21.2	Pass
149	5745	16.36	16.40	16.44	16.35	174.11	22.41	22.49	Pass
157	5785	16.40	16.52	16.40	16.27	174.542	22.42	22.49	Pass
165	5825	16.47	16.31	16.27	16.48	173.945	22.40	22.49	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. For U-NII-1, the directional gain is 14.8 dBi > 6 dBi, so the output power limit shall be reduced to $30-(14.8-6) = 21.2$ dBm.
3. For U-NII-3, the directional gain is 13.51 dBi > 6 dBi, so the output power limit shall be reduced to $30-(13.51-6) = 22.49$ 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	14.03	13.76	13.91	14.01	98.842	19.95	21.2	Pass
46	5230	14.44	14.37	14.04	14.05	105.911	20.25	21.2	Pass
151	5755	16.29	16.62	16.42	16.36	175.584	22.44	22.49	Pass
159	5795	16.43	16.23	16.73	16.37	176.379	22.46	22.49	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. For U-NII-1, the directional gain is 14.8 dBi > 6 dBi, so the output power limit shall be reduced to $30-(14.8-6) = 21.2$ dBm.
3. For U-NII-3, the directional gain is 13.51 dBi > 6 dBi, so the output power limit shall be reduced to $30-(13.51-6) = 22.49$ 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	13.85	13.92	14.03	13.86	98.542	19.94	21.2	Pass
155	5775	16.59	16.36	16.39	16.29	174.966	22.43	22.49	Pass

Notes:

1. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
2. For U-NII-1, the directional gain is 14.8 dBi > 6 dBi, so the output power limit shall be reduced to $30-(14.8-6) = 21.2$ dBm.
3. For U-NII-3, the directional gain is 13.51 dBi > 6 dBi, so the output power limit shall be reduced to $30-(13.51-6) = 22.49$ dBm.

For U-NII-1 band (Outdoor Access Point):

EIRP

802.11a

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
36	5180	114.08	-95.23	76.736	18.85	21	Pass
40	5200	113.72	-95.23	70.632	18.49	21	Pass
48	5240	114.00	-95.23	75.336	18.77	21	Pass

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
36	5180	113.99	-95.23	75.162	18.76	21	Pass
40	5200	113.93	-95.23	74.131	18.70	21	Pass
48	5240	113.96	-95.23	74.645	18.73	21	Pass

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
38	5190	114.25	-95.23	79.799	19.02	21	Pass
46	5230	116.19	-95.23	124.738	20.96	21	Pass

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
42	5210	113.55	-95.23	67.92	18.32	21	Pass

802.11be (EHT20) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
36	5180	116.08	-95.23	121.619	20.85	21	Pass
40	5200	115.66	-95.23	110.408	20.43	21	Pass
48	5240	115.73	-95.23	112.202	20.50	21	Pass

802.11be (EHT40) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
38	5190	115.88	-95.23	116.145	20.65	21	Pass
46	5230	116.11	-95.23	122.462	20.88	21	Pass

802.11be (EHT80) Beamforming

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
42	5210	115.97	-95.23	118.577	20.74	21	Pass

Scan Radio (Mode B)

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.84	15.78	76.215	18.82	23.11	Pass
40	5200	15.90	15.74	76.402	18.83	23.11	Pass
48	5240	15.95	15.70	76.509	18.84	23.11	Pass
149	5745	22.55	22.52	358.536	25.55	29.17	Pass
157	5785	22.38	22.25	340.862	25.33	29.17	Pass
165	5825	22.14	22.05	324.006	25.11	29.17	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 6.89 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (6.89 - 6) = 23.11$ dBm.
3. For U-NII-3, the maximum gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.83 - 6) = 29.17$ dBm.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.72	15.58	73.466	18.66	23.11	Pass
40	5200	15.88	15.65	75.454	18.78	23.11	Pass
48	5240	15.87	15.58	74.778	18.74	23.11	Pass
149	5745	22.68	22.63	368.585	25.67	29.17	Pass
157	5785	22.47	22.34	348	25.42	29.17	Pass
165	5825	22.21	22.20	332.3	25.22	29.17	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 6.89 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (6.89 - 6) = 23.11$ dBm.
3. For U-NII-3, the maximum gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.83 - 6) = 29.17$ dBm.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.41	15.28	68.482	18.36	23.11	Pass
46	5230	16.10	15.84	79.109	18.98	23.11	Pass
151	5755	21.36	21.24	269.818	24.31	29.17	Pass
159	5795	22.06	21.94	317.009	25.01	29.17	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 6.89 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (6.89 - 6) = 23.11$ dBm.
3. For U-NII-3, the maximum gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.83 - 6) = 29.17$ dBm.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.02	14.75	61.623	17.90	23.11	Pass
155	5775	17.45	17.39	110.418	20.43	29.17	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 6.89 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (6.89 - 6) = 23.11$ dBm.
3. For U-NII-3, the maximum gain is 6.83 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.83 - 6) = 29.17$ dBm.

7.2 Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin
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Traffic Radio (Mode A)

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	2.24	1.97	1.62	1.96	7.97	8.2	Pass
40	5200	2.29	2.21	1.59	2.00	8.05	8.2	Pass
48	5240	1.65	2.04	1.80	1.80	7.85	8.2	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 14.8 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (14.8 - 6) = 8.2$ dBm/MHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	1.76	1.55	1.24	1.52	7.54	8.2	Pass
40	5200	1.96	1.73	1.49	1.75	7.76	8.2	Pass
48	5240	1.63	2.04	1.82	1.82	7.85	8.2	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 14.8 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (14.8 - 6) = 8.2$ dBm/MHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
38	5190	-1.42	-1.54	-1.76	-1.78	4.40	8.2	Pass
46	5230	1.57	1.44	1.15	1.04	7.33	8.2	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 14.8 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (14.8 - 6) = 8.2$ dBm/MHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
42	5210	-4.96	-5.15	-5.09	-5.25	0.91	8.2	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 14.8 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (14.8 - 6) = 8.2$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
149	5745	-1.19	-1.40	-1.26	-1.41	4.71	6.93	22.49	Pass
157	5785	-0.53	-0.35	-0.46	-0.03	5.68	7.90	22.49	Pass
165	5825	-0.85	-0.88	-0.88	-0.93	5.14	7.36	22.49	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 13.51 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (13.51 - 6) = 22.49$ dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
149	5745	-2.10	-2.02	-2.16	-1.93	3.97	6.19	22.49	Pass
157	5785	-2.22	-1.81	-2.09	-1.94	4.01	6.23	22.49	Pass
165	5825	-1.70	-1.87	-1.86	-1.96	4.17	6.39	22.49	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 13.51 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (13.51 - 6) = 22.49$ dBm/500kHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
151	5755	-6.29	-6.02	-6.03	-5.81	-0.01	2.21	22.49	Pass
159	5795	-6.14	-5.89	-5.77	-6.32	0	2.22	22.49	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 13.51 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (13.51 - 6) = 22.49$ dBm/500kHz.

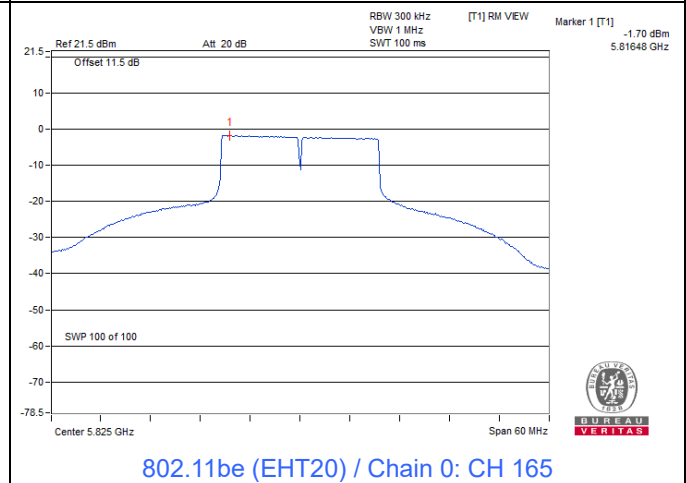
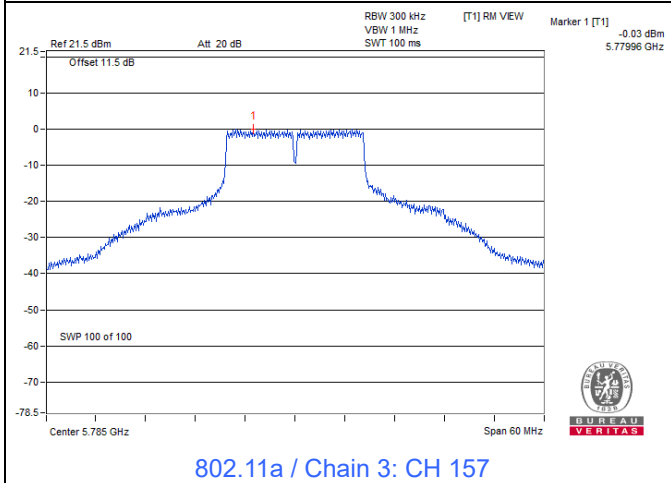
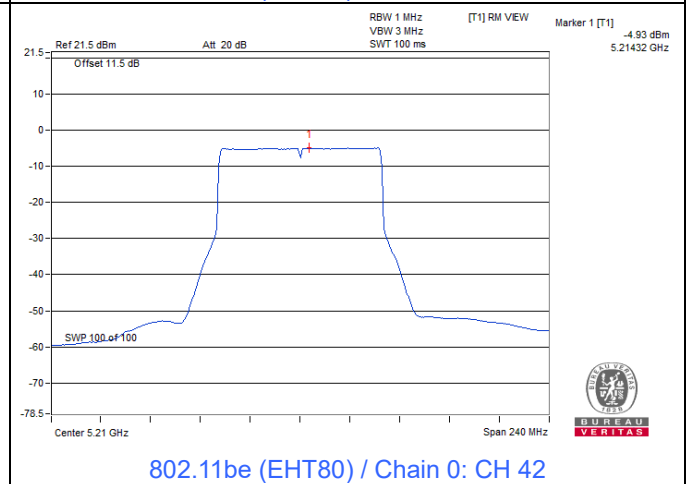
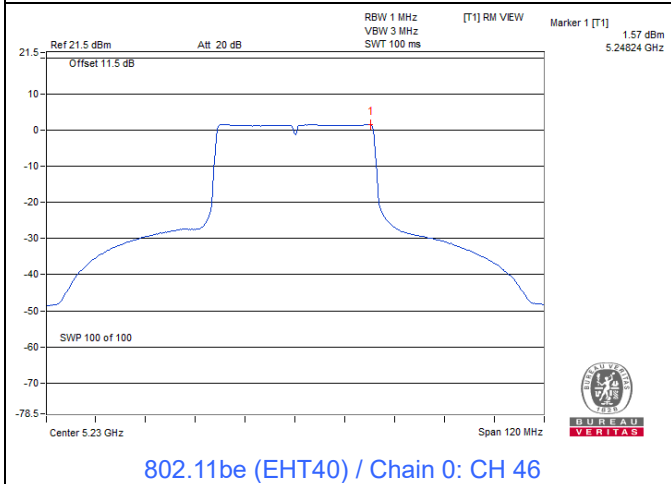
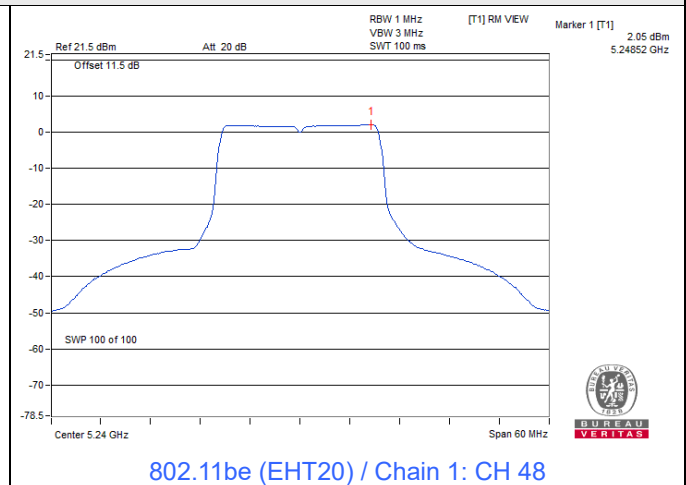
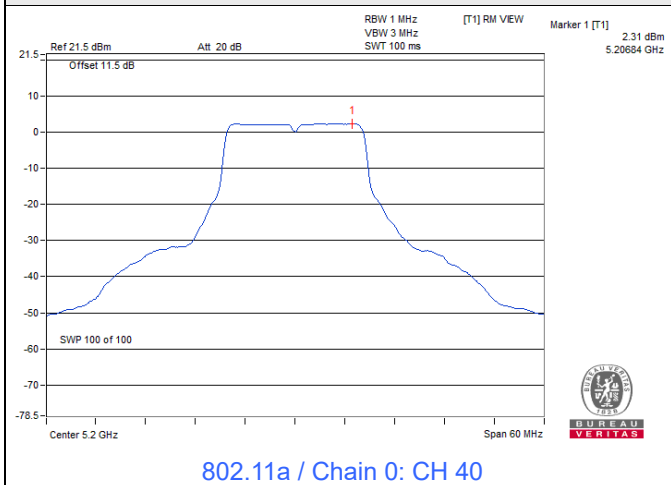
802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
155	5775	-10.23	-10.48	-10.09	-10.40	-4.28	-2.06	22.49	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 13.51 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (13.51 - 6) = 22.49$ dBm/500kHz.

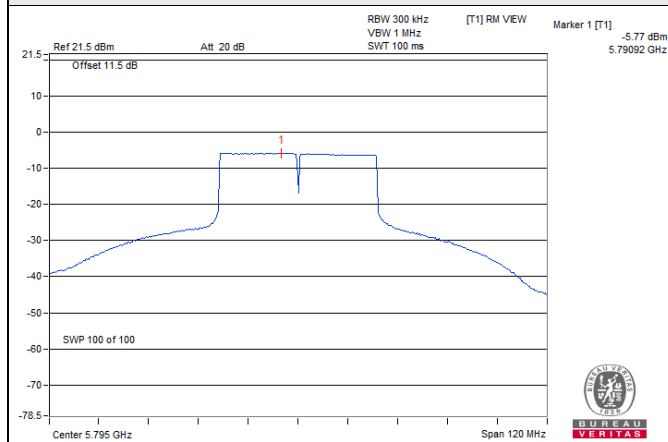
Spectrum Plot of Maximum Value



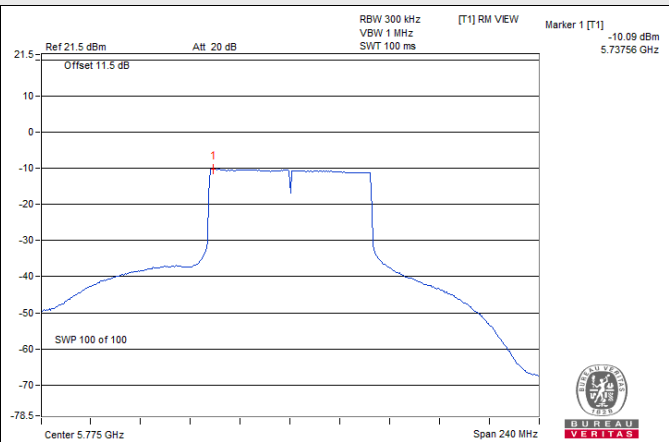


BUREAU
VERITAS

Spectrum Plot of Maximum Value



802.11be (EHT40) / Chain 2: CH 159



802.11be (EHT80) / Chain 2: CH 155

Scan Radio (Mode B)

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				
36	5180	2.61	2.89	0.24	6.00	9.04	Pass
40	5200	2.73	2.67	0.24	5.95	9.04	Pass
48	5240	2.49	2.65	0.24	5.82	9.04	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 7.96 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.96-6) = 9.04$ dBm/MHz.

802.11ax (HE20)

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				
36	5180	1.24	1.13	0.95	5.15	9.04	Pass
40	5200	1.16	1.10	0.95	5.09	9.04	Pass
48	5240	1.16	0.97	0.95	5.03	9.04	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 7.96 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.96-6) = 9.04$ dBm/MHz.

802.11ax (HE40)

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				
38	5190	-1.49	-1.26	0.93	2.57	9.04	Pass
46	5230	-0.71	-0.98	0.93	3.10	9.04	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-1, the directional gain is 7.96 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.96-6) = 9.04$ dBm/MHz.

802.11ax (HE80)

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				
42	5210	-5.25	-5.74	0.92	-1.56	9.04	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 7.96 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.96-6) = 9.04$ 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					
149	5745	0.72	0.76	3.75	0.24	6.21	27.29	Pass
157	5785	0.76	0.70	3.74	0.24	6.20	27.29	Pass
165	5825	0.54	0.48	3.52	0.24	5.98	27.29	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 8.71 dBi > 6 dBi, so the power density limit shall be reduced to $30-(8.71-6) = 27.29$ dBm/500kHz.

802.11ax (HE20)

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					
149	5745	-1.06	-1.09	1.94	0.95	5.11	27.29	Pass
157	5785	-1.00	-1.33	1.85	0.95	5.02	27.29	Pass
165	5825	-1.11	-1.45	1.73	0.95	4.90	27.29	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 8.71 dBi > 6 dBi, so the power density limit shall be reduced to $30-(8.71-6) = 27.29$ dBm/500kHz.

802.11ax (HE40)

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					
151	5755	-5.03	-5.31	-2.16	0.93	0.99	27.29	Pass
159	5795	-4.56	-4.31	-1.42	0.93	1.73	27.29	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 8.71 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.71 - 6) = 27.29$ dBm/500kHz.

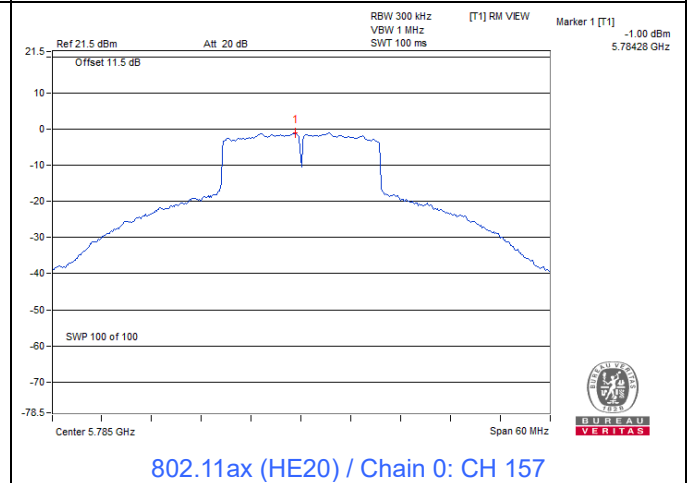
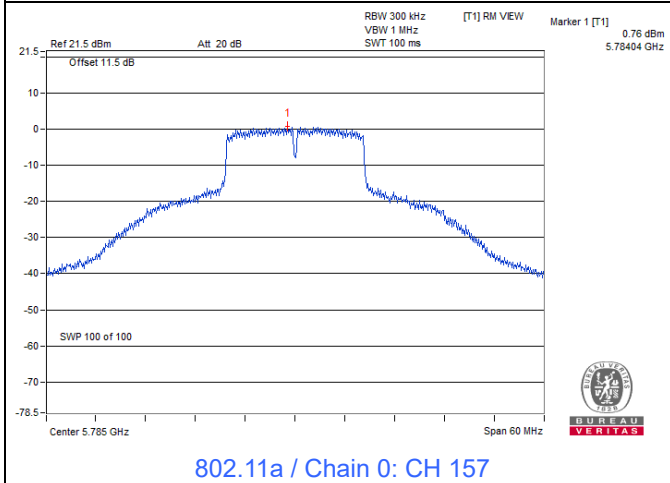
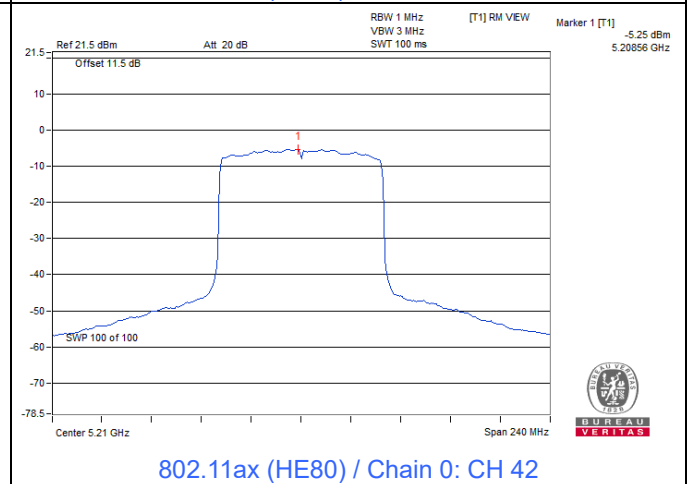
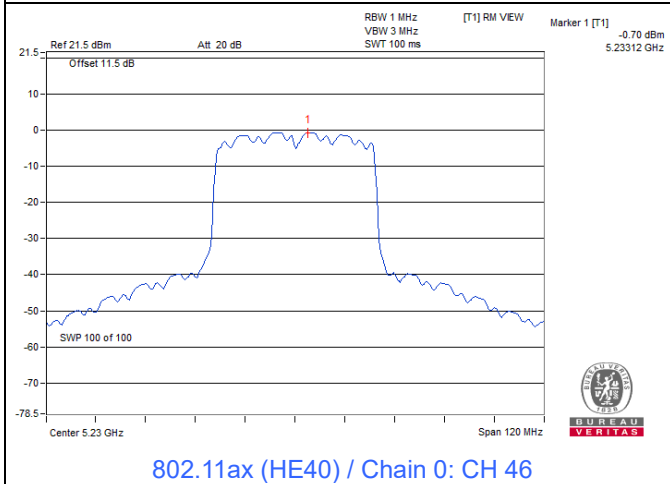
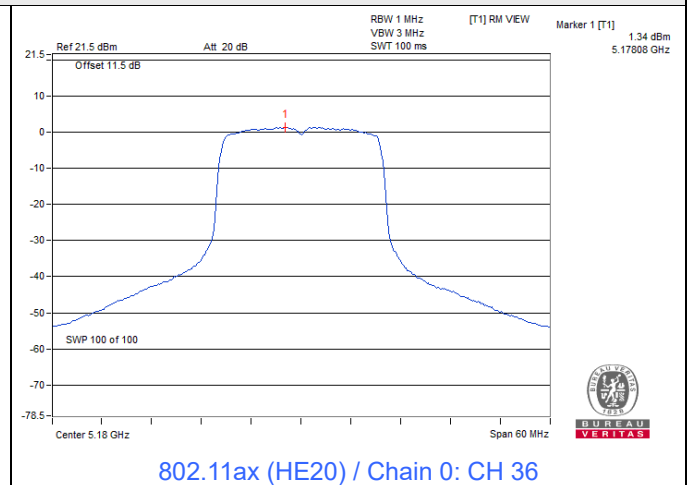
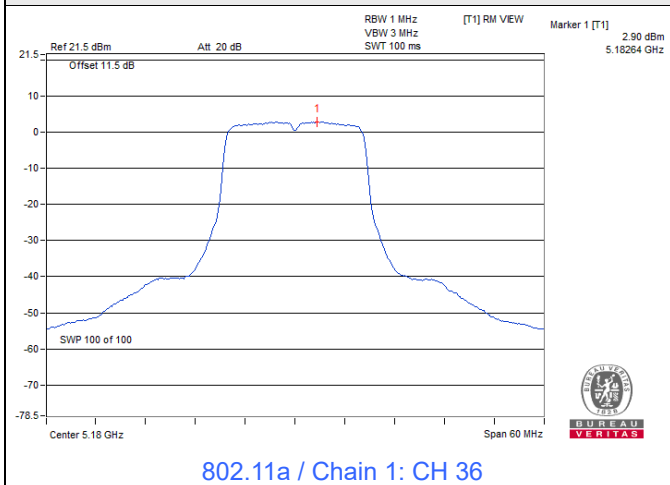
802.11ax (HE80)

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					
155	5775	-11.69	-11.76	-8.71	0.92	-5.57	27.29	Pass

Notes:

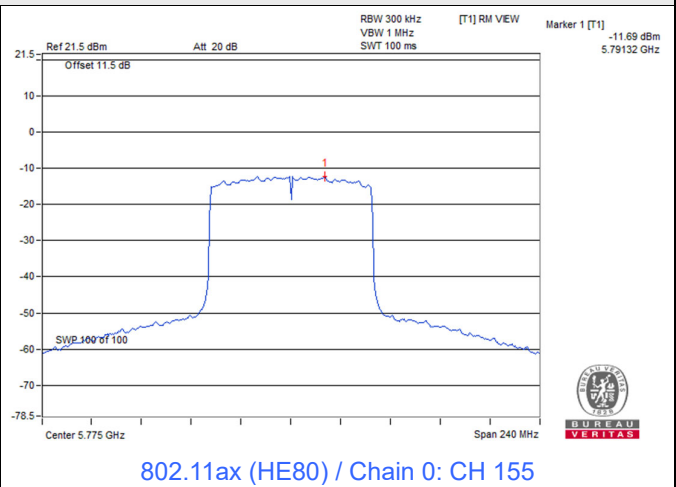
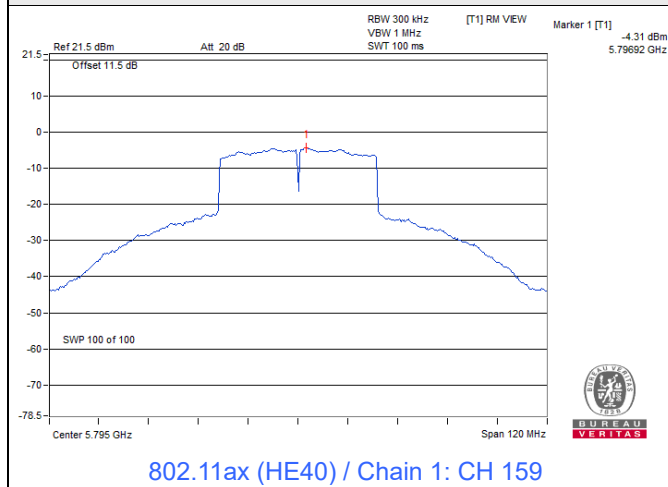
1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-3, the directional gain is 8.71 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.71 - 6) = 27.29$ dBm/500kHz.

Spectrum Plot of Maximum Value





Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin
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Traffic Radio (Mode A)

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	16.40	16.41	16.43	16.43	0.5	Pass
157	5785	16.43	16.40	16.41	16.44	0.5	Pass
165	5825	16.38	16.42	16.40	16.42	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		
149	5745	19.04	19.00	19.00	19.02	0.5	Pass
157	5785	19.06	19.11	19.04	19.06	0.5	Pass
165	5825	19.00	19.06	18.95	18.97	0.5	Pass

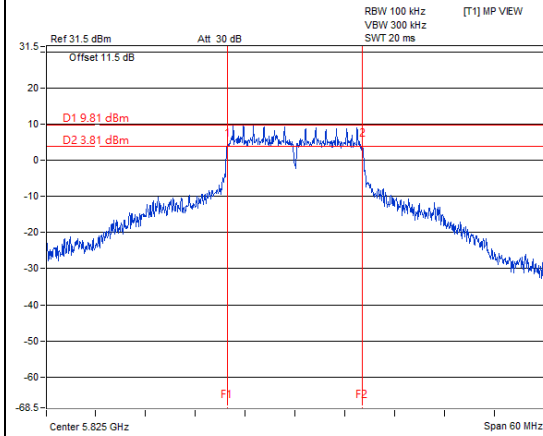
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	38.24	38.31	38.25	38.22	0.5	Pass
159	5795	38.17	38.31	38.19	38.15	0.5	Pass

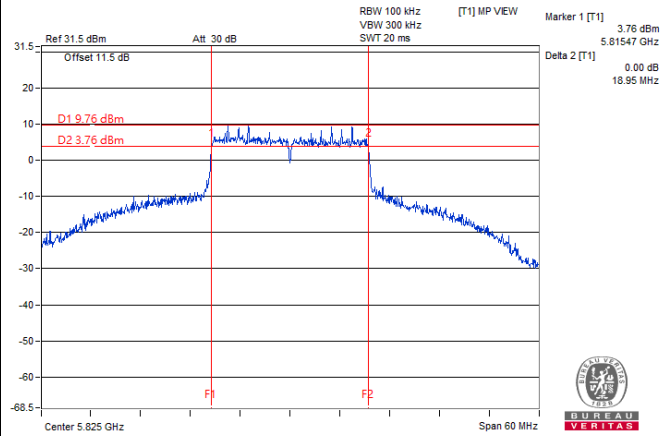
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	78.31	78.30	78.32	78.32	0.5	Pass

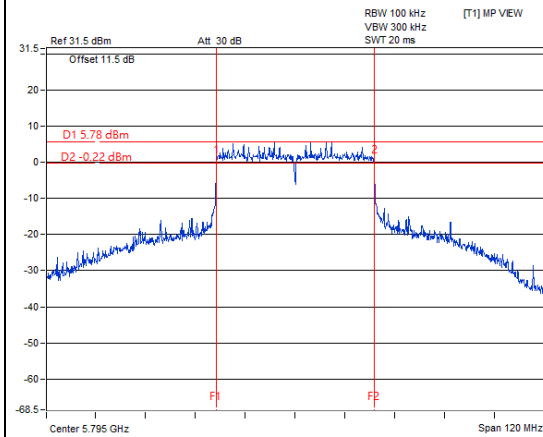
Spectrum Plot of Minimum Value



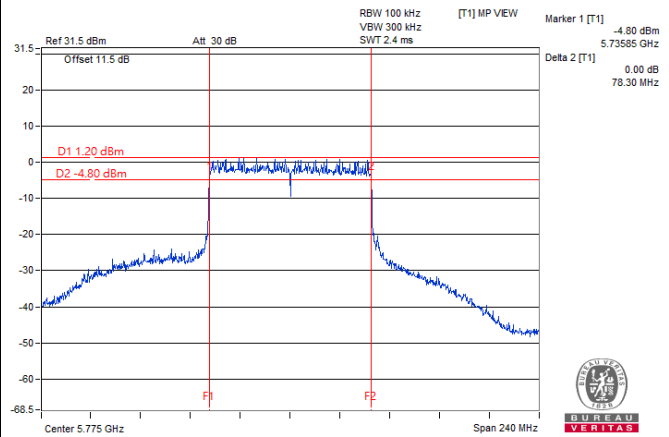
802.11a / Chain 0: CH 165



802.11be (EHT20) / Chain 2: CH 165



802.11be (EHT40) / Chain 3: CH 159



802.11be (EHT80) / Chain 1: CH 155

Scan Radio (Mode B)

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	15.83	16.08	0.5	Pass
157	5785	16.27	15.77	0.5	Pass
165	5825	16.06	16.32	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	18.50	18.12	0.5	Pass
157	5785	18.48	18.41	0.5	Pass
165	5825	18.90	18.64	0.5	Pass

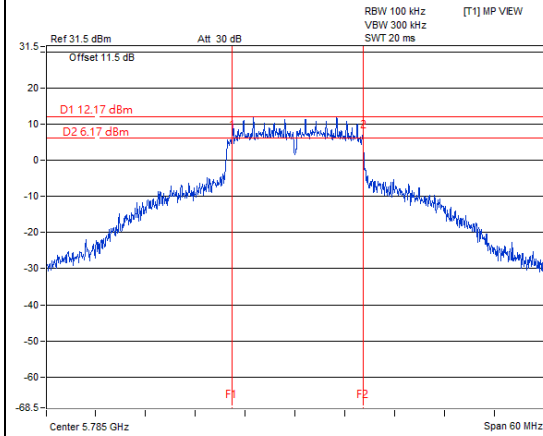
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	37.97	37.91	0.5	Pass
159	5795	37.95	37.39	0.5	Pass

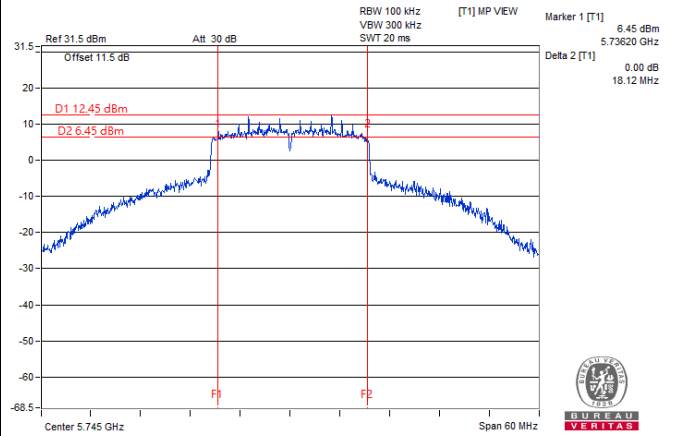
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	78.01	77.57	0.5	Pass

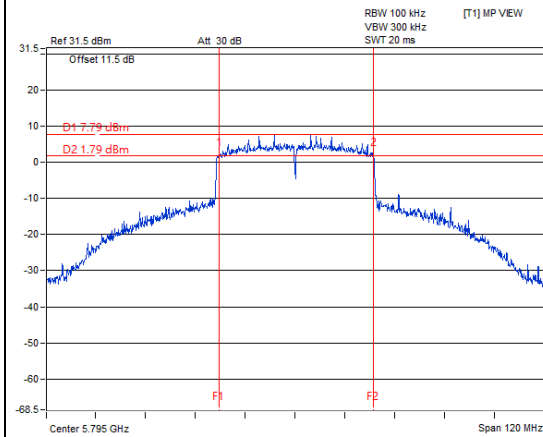
Spectrum Plot of Minimum Value



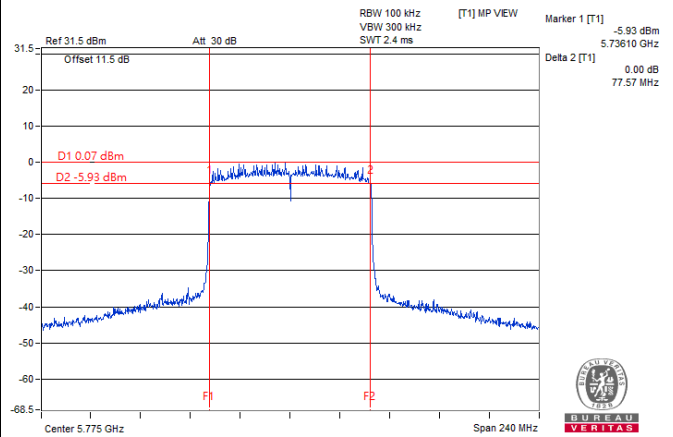
802.11a / Chain 1: CH 157



802.11ax (HE20) / Chain 1: CH 149



802.11ax (HE40) / Chain 1: CH 159



802.11ax (HE80) / Chain 1: CH 155

7.4 Occupied Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin
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Traffic Radio (Mode A)

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	17.16	17.10	17.10	17.10
40	5200	17.10	17.10	17.10	17.10
48	5240	17.10	17.10	17.10	17.10
149	5745	18.54	18.96	19.62	17.76
157	5785	27.84	29.22	29.82	27.24
165	5825	27.72	24.96	28.44	27.30

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	19.20	19.20	19.20	19.20
40	5200	19.26	19.26	19.26	19.26
48	5240	19.14	19.20	19.20	19.26
149	5745	23.58	24.60	26.46	21.72
157	5785	24.18	27.36	28.98	24.54
165	5825	28.26	27.90	29.10	29.16

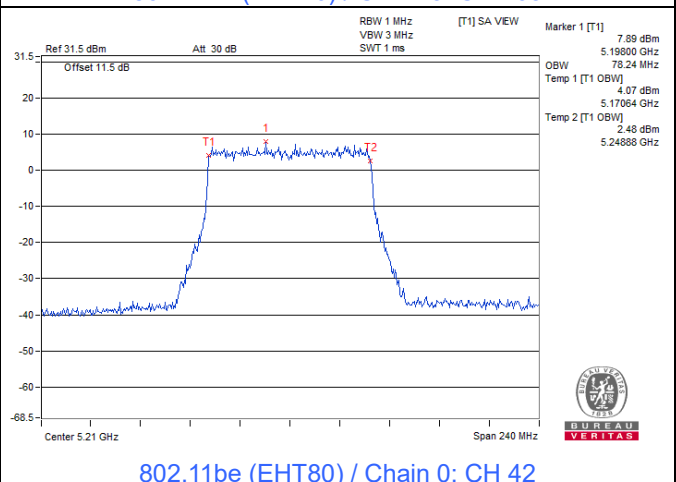
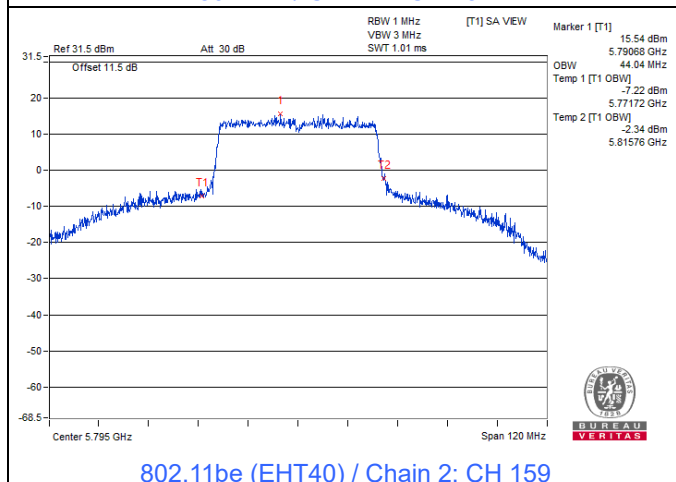
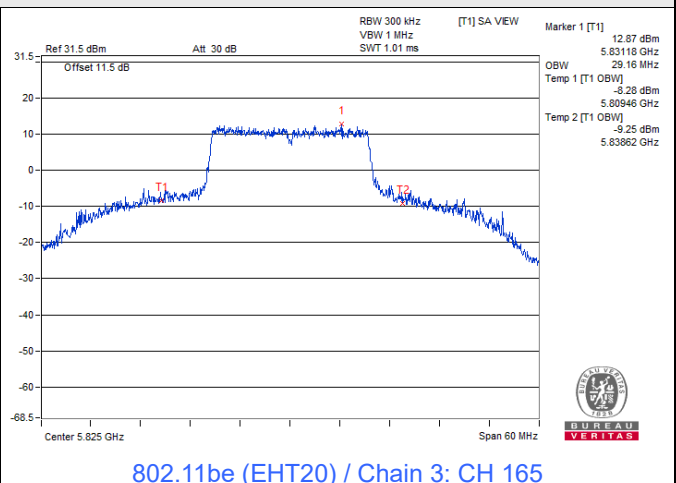
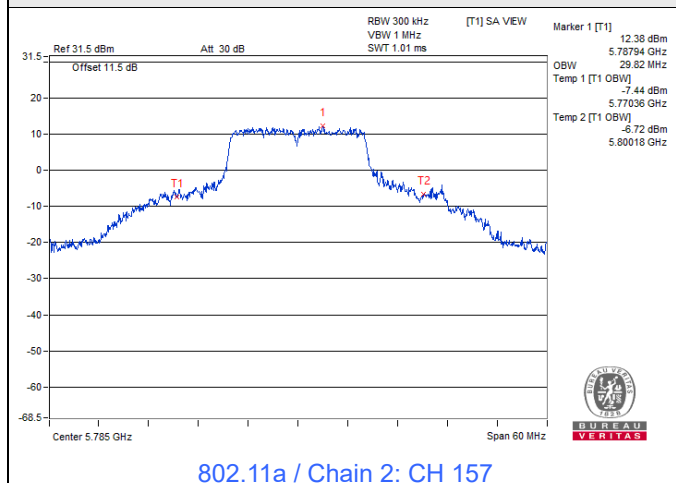
802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	38.64	38.40	38.40	38.64
46	5230	38.76	38.52	38.52	38.64
151	5755	39.00	39.12	39.60	39.12
159	5795	39.36	39.96	44.04	39.24

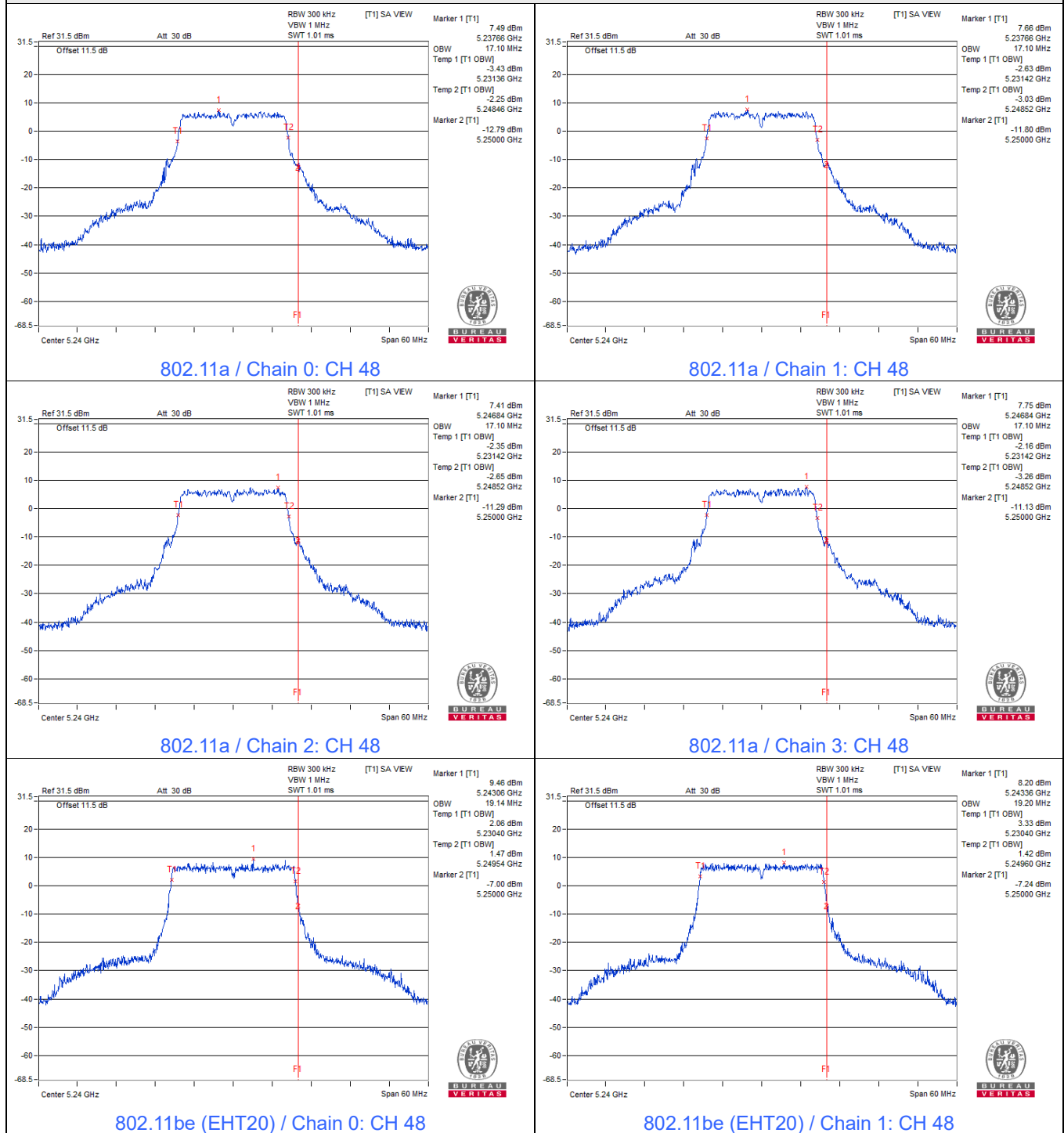
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	78.24	78.24	77.76	77.76
155	5775	78.00	78.24	78.00	78.00

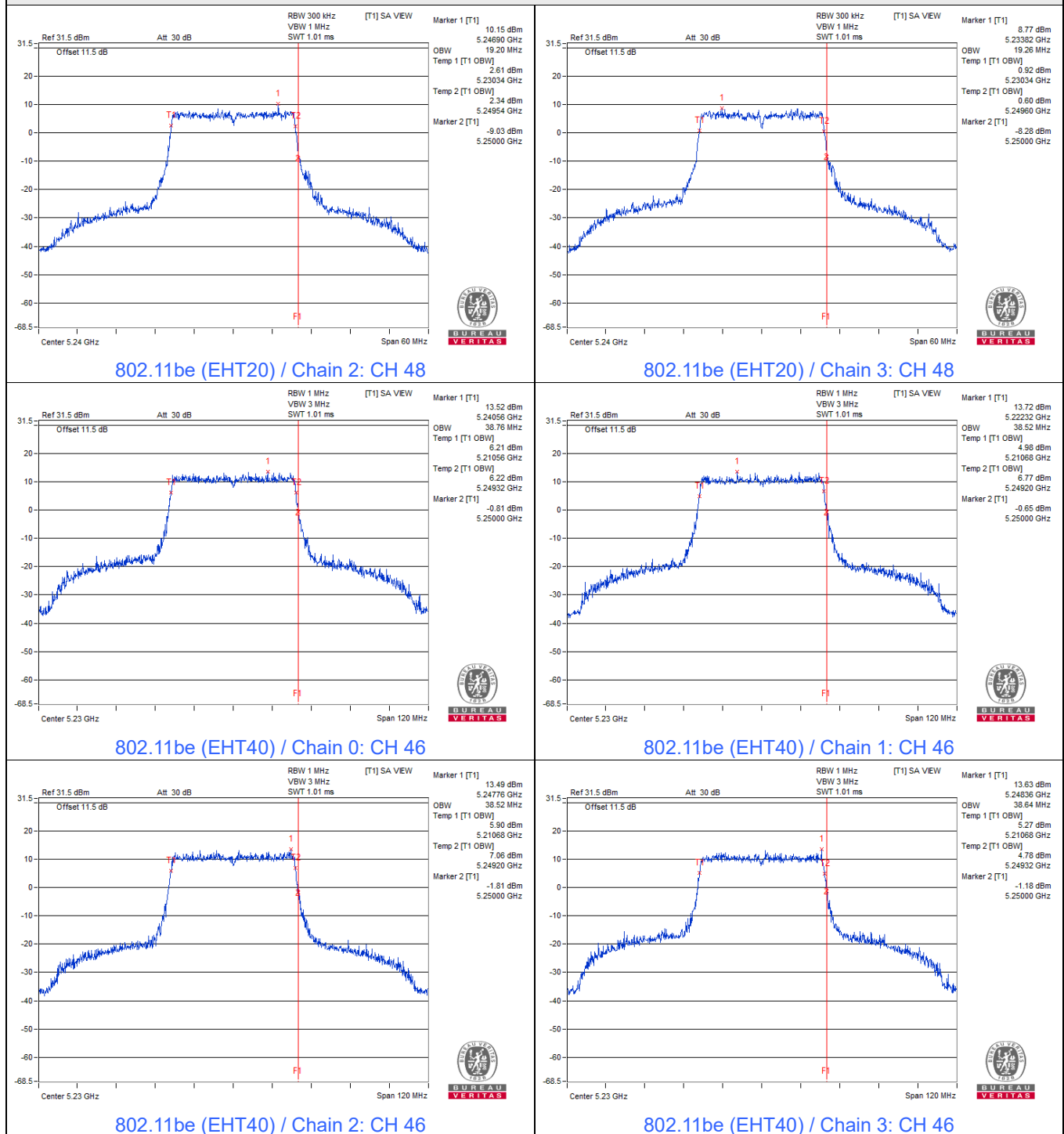
Spectrum Plot of Maximum Value



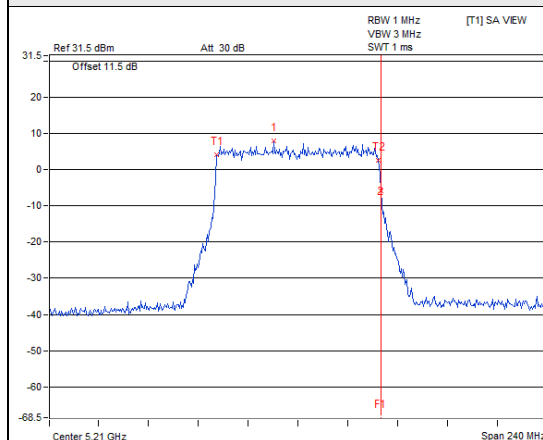
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



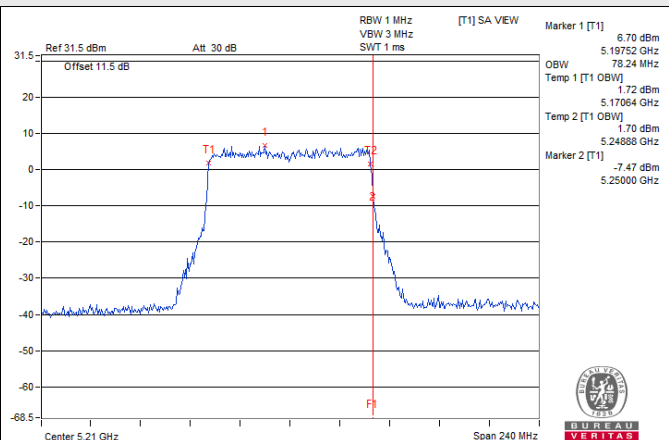
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



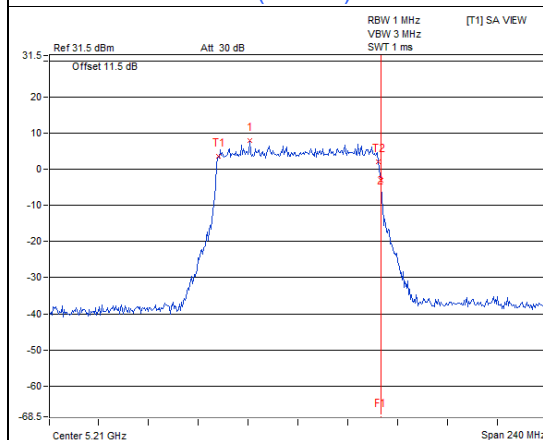
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



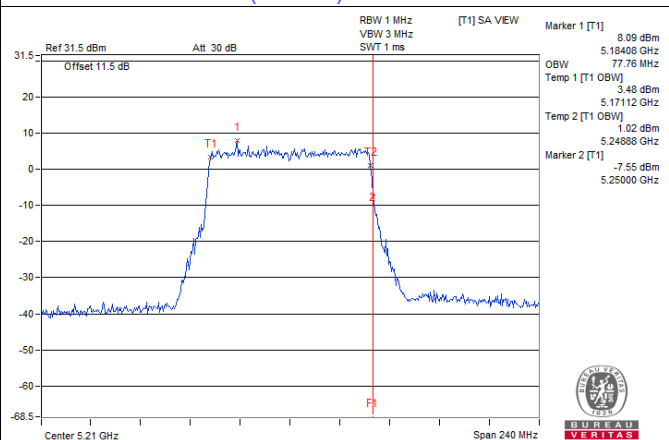
802.11be (EHT80) / Chain 0: CH 42



802.11be (EHT80) / Chain 1: CH 42

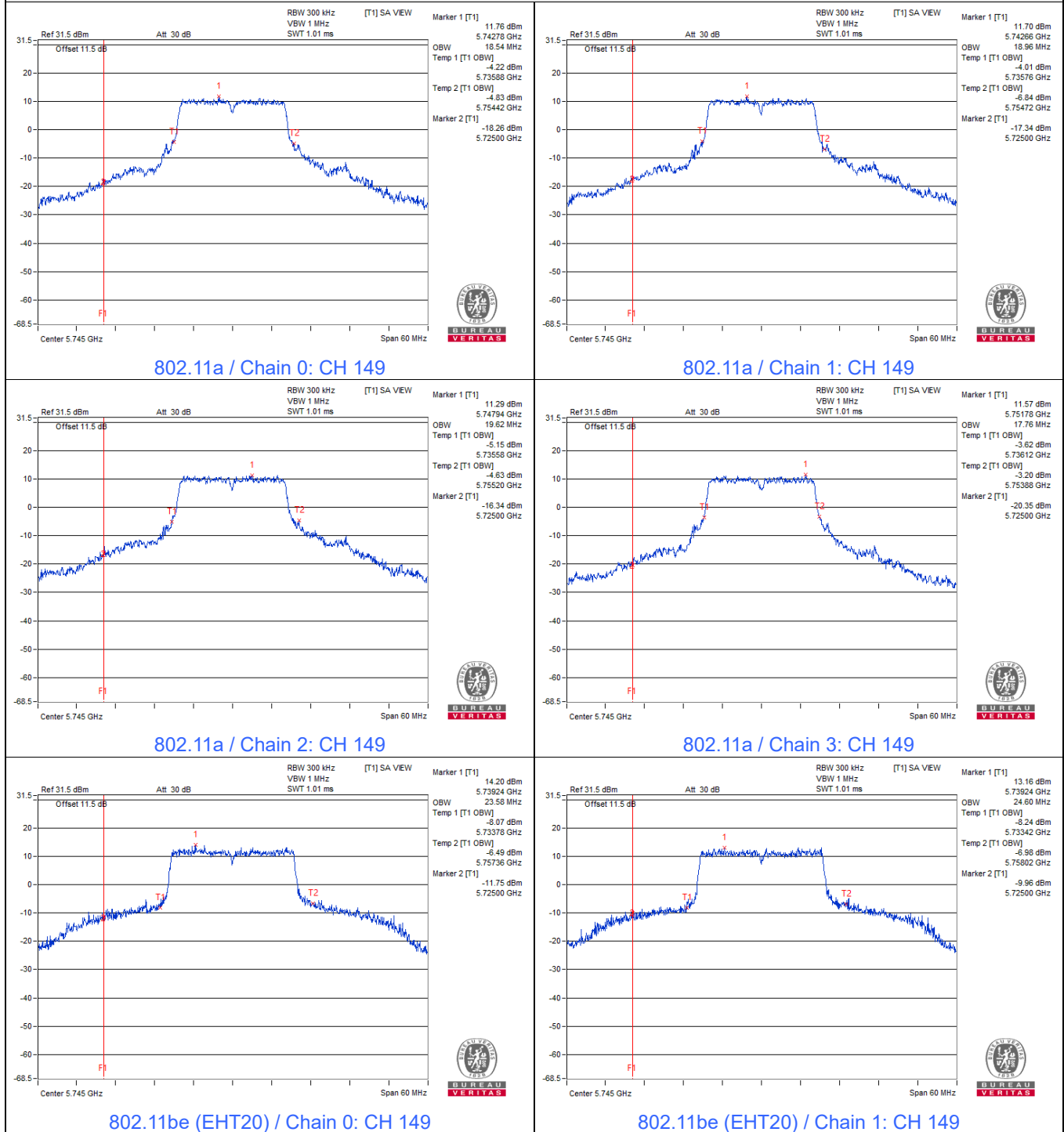


802.11be (EHT80) / Chain 2: CH 42

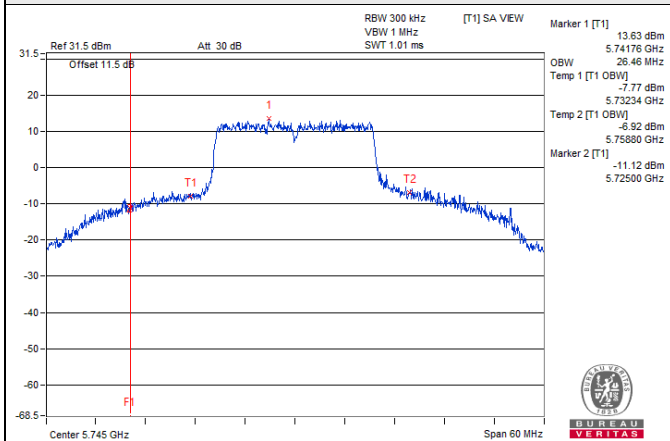


802.11be (EHT80) / Chain 3: CH 42

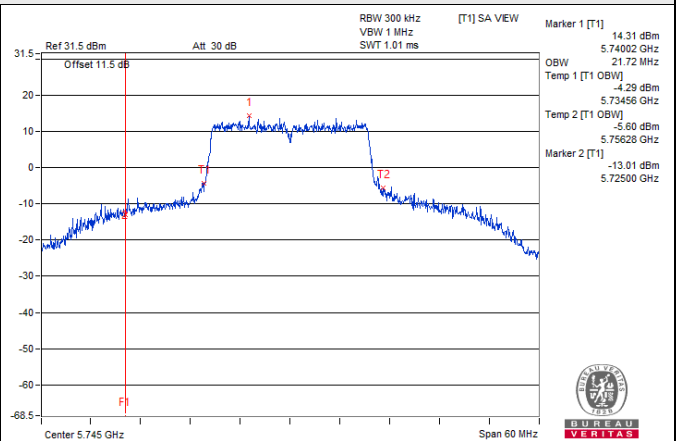
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



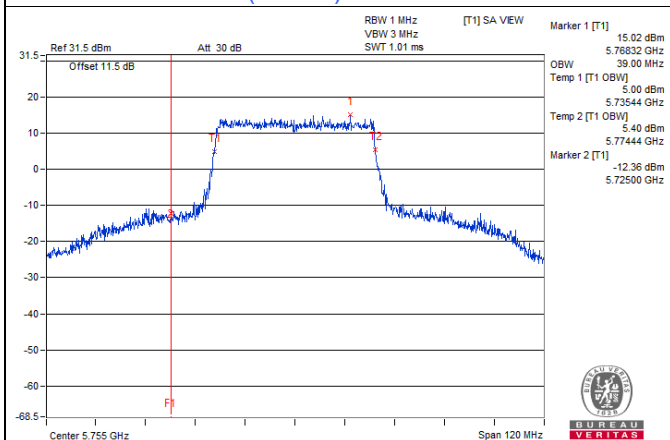
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



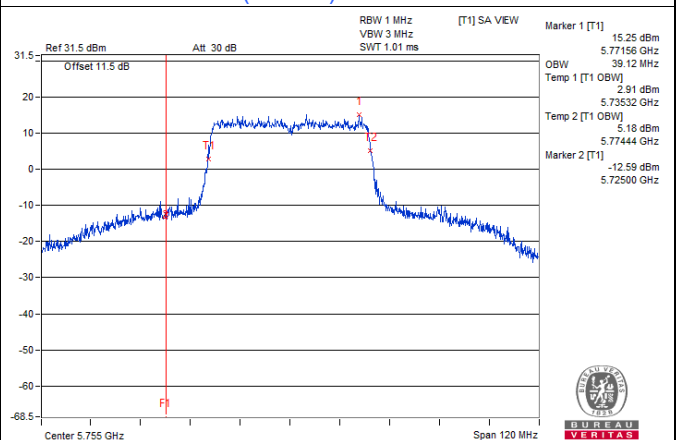
802.11be (EHT20) / Chain 2: CH 149



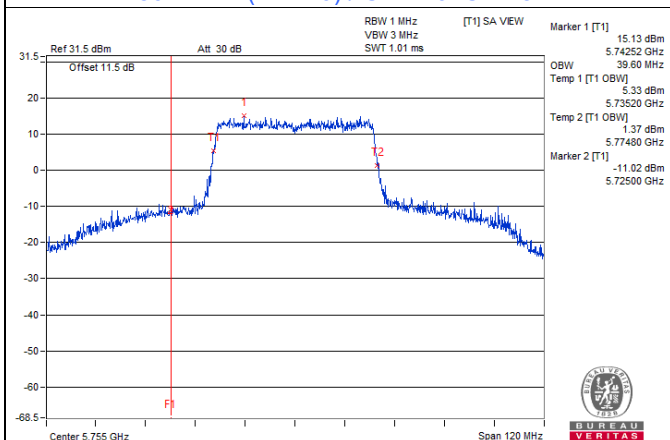
802.11be (EHT20) / Chain 3: CH 149



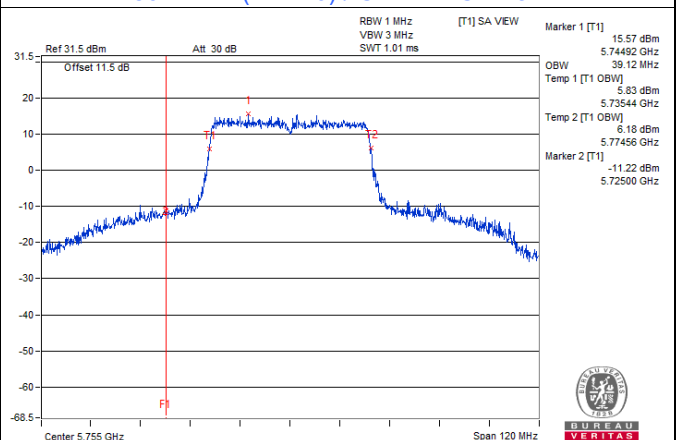
802.11be (EHT40) / Chain 0: CH 151



802.11be (EHT40) / Chain 1: CH 151

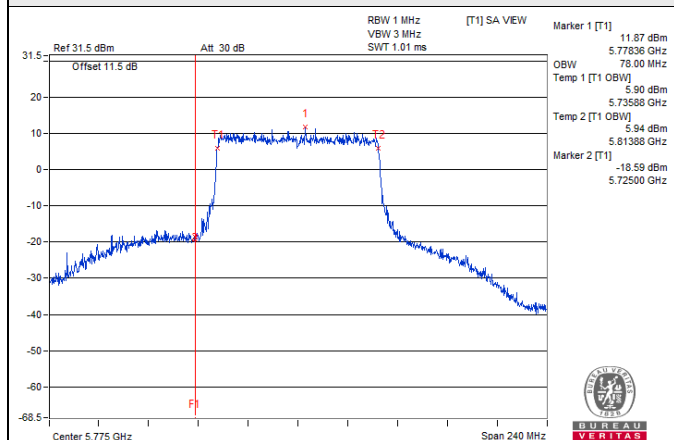


802.11be (EHT40) / Chain 2: CH 151

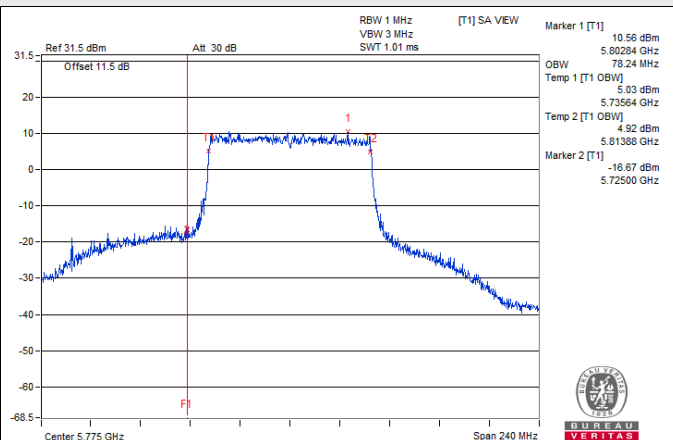


802.11be (EHT40) / Chain 3: CH 151

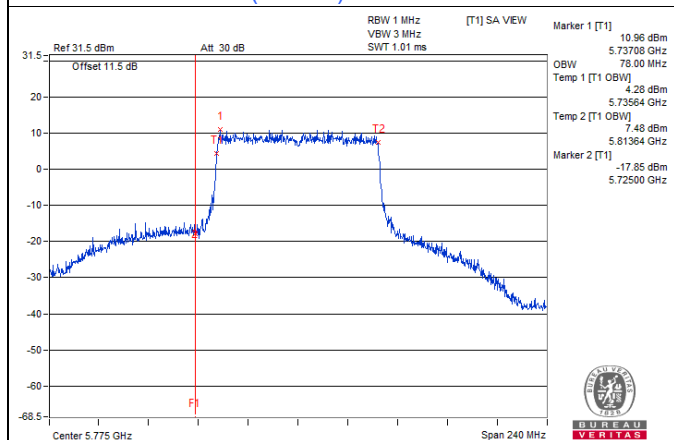
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



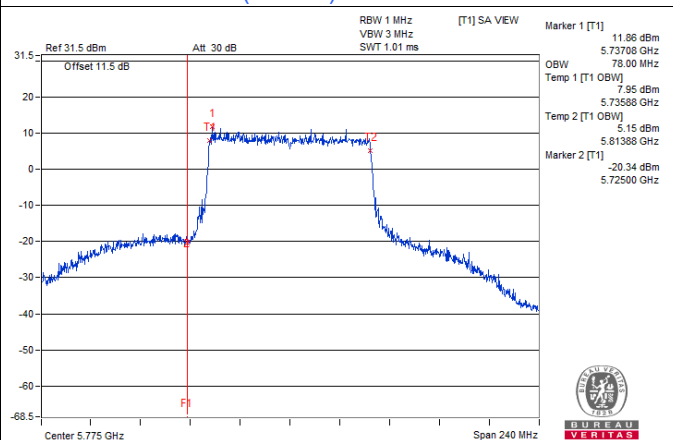
802.11be (EHT80) / Chain 0: CH 155



802.11be (EHT80) / Chain 1: CH 155



802.11be (EHT80) / Chain 2: CH 155



802.11be (EHT80) / Chain 3: CH 155

Scan Radio (Mode B)

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.38
40	5200	16.44	16.38
48	5240	16.44	16.38
149	5745	29.04	29.28
157	5785	28.20	28.44
165	5825	28.08	25.38

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.90	18.90
40	5200	18.90	18.90
48	5240	18.90	18.90
149	5745	29.82	29.70
157	5785	29.10	29.28
165	5825	27.90	26.52

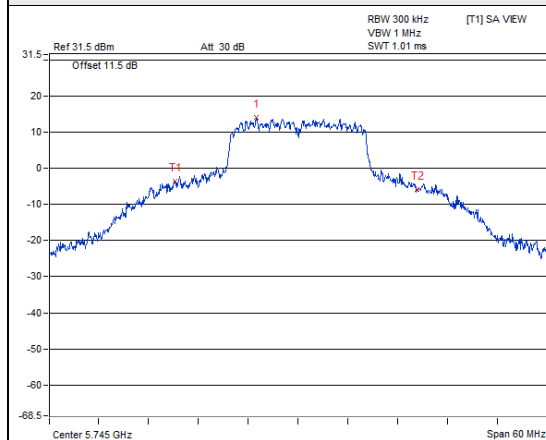
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.80
46	5230	38.04	37.92
151	5755	39.48	41.04
159	5795	48.00	49.08

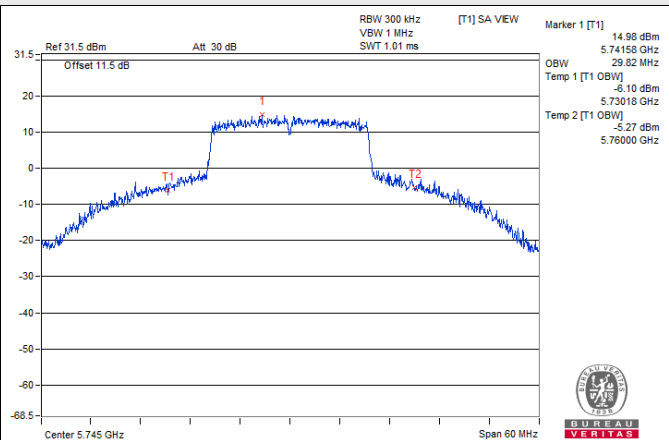
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.04
155	5775	77.28	77.04

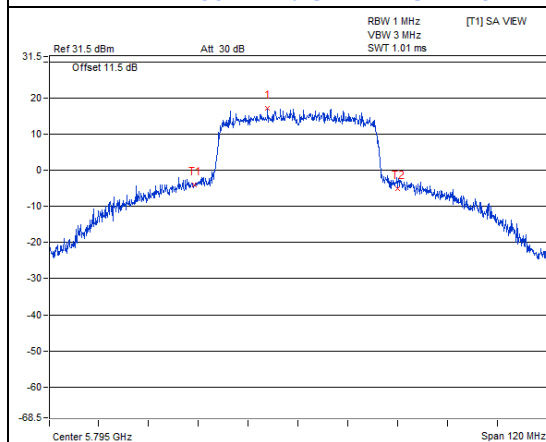
Spectrum Plot of Maximum Value



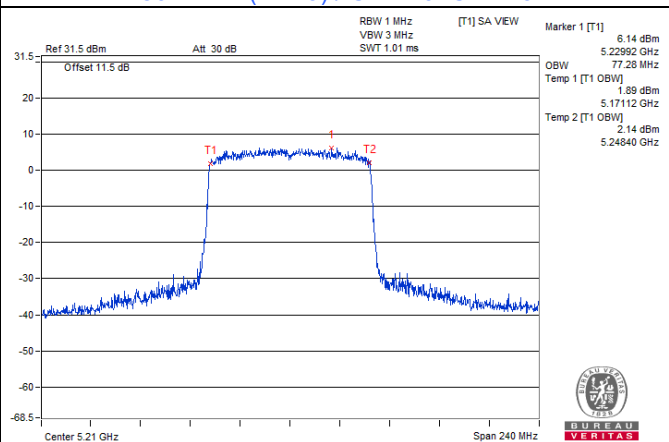
802.11a / Chain 1: CH 149



802.11ax (HE20) / Chain 0: CH 149

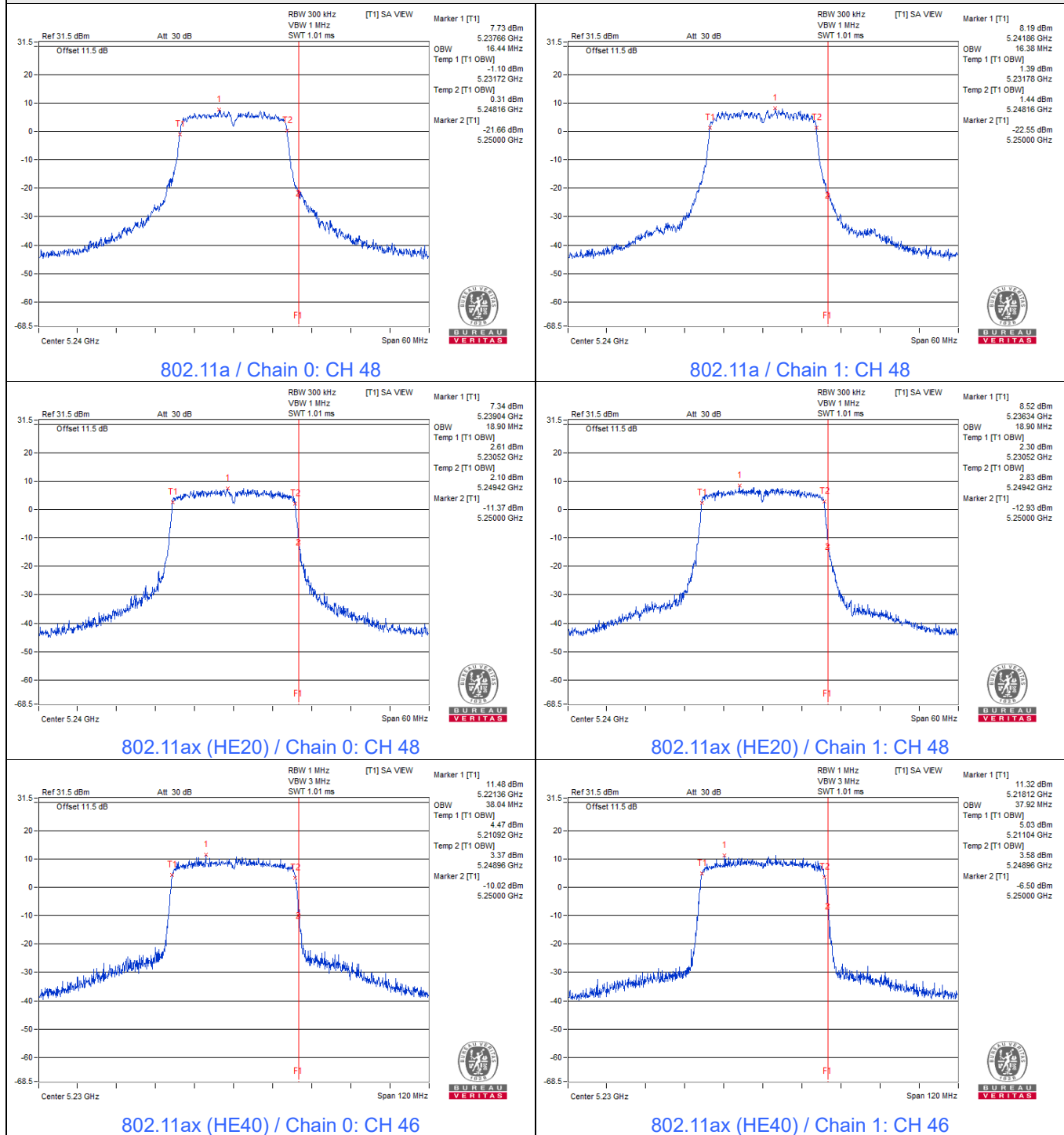


802.11ax (HE40) / Chain 1: CH 159

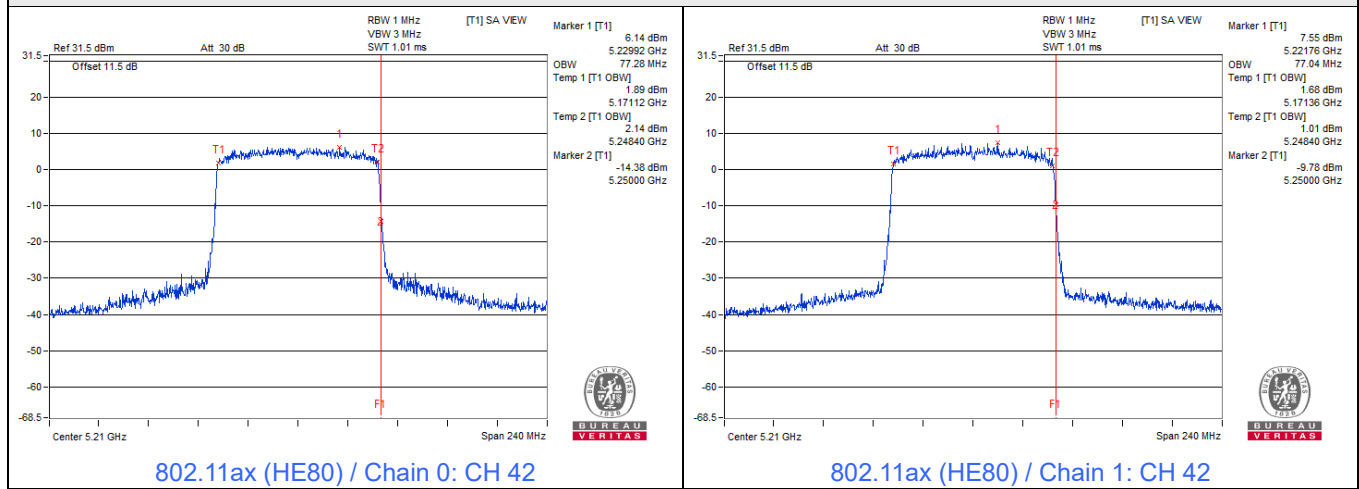


802.11ax (HE80) / Chain 0: CH 42

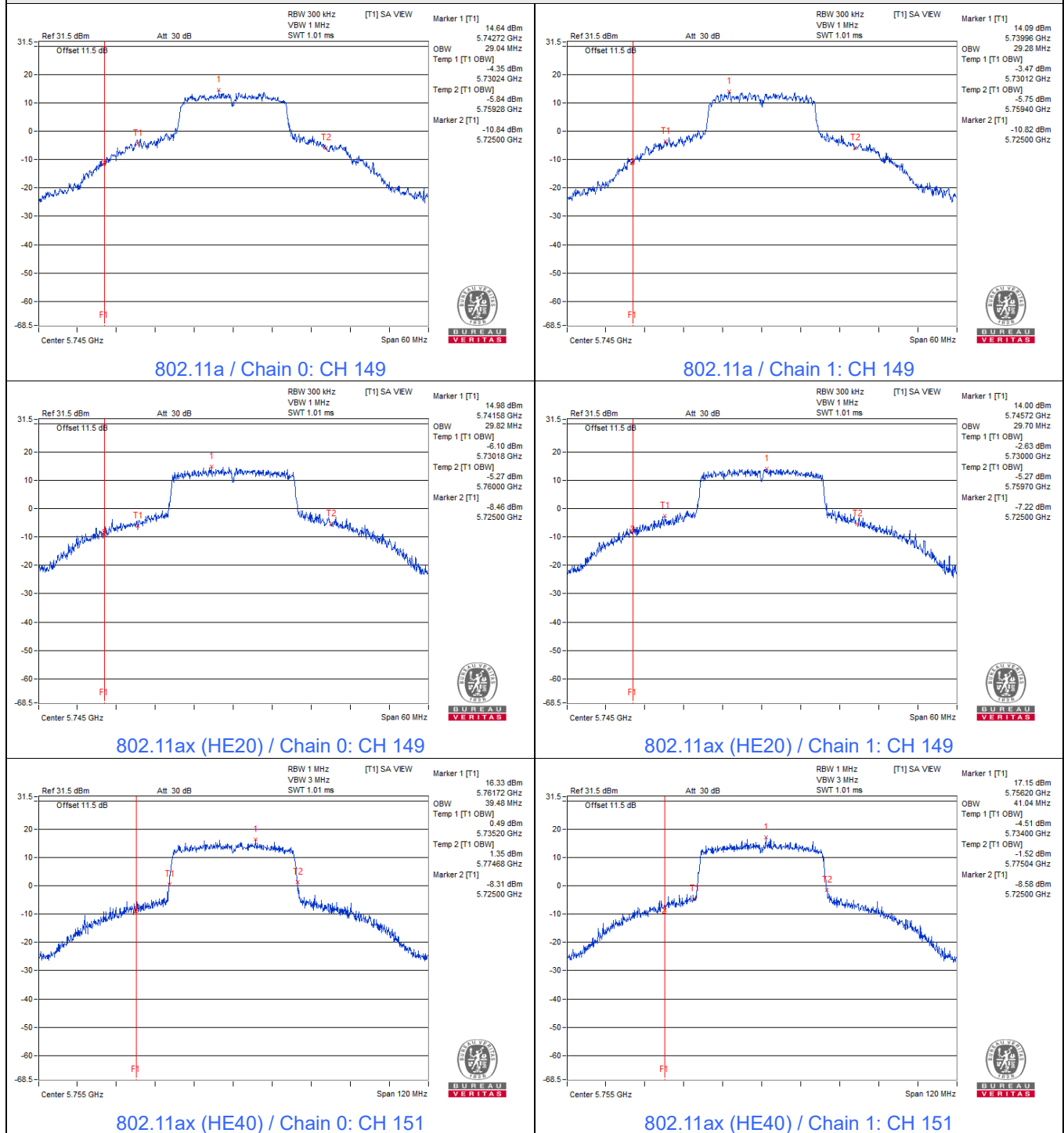
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



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

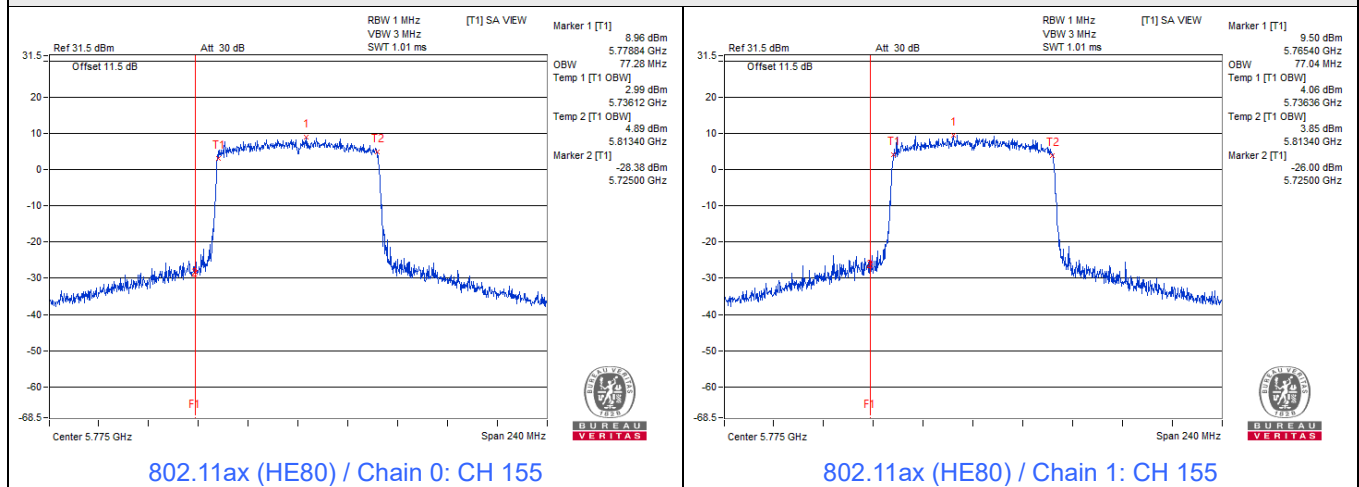


Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)





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



7.5 AC Power Conducted Emissions

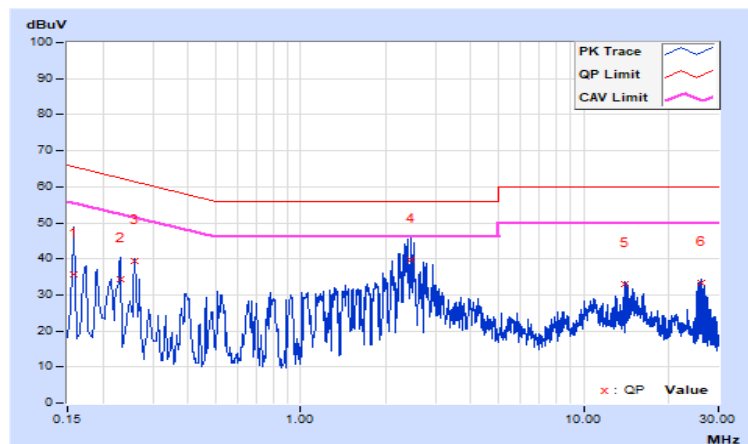
Traffic Radio (Mode A)

RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	0.15800	10.21	25.60	3.86	35.81	14.07	65.57	55.57	-29.76	-41.50
2	0.23000	10.21	23.98	2.77	34.19	12.98	62.45	52.45	-28.26	-39.47
3	0.25800	10.23	29.13	17.33	39.36	27.56	61.50	51.50	-22.14	-23.94
4	2.47000	10.45	29.31	12.46	39.76	22.91	56.00	46.00	-16.24	-23.09
5	13.99800	10.81	22.13	21.06	32.94	31.87	60.00	50.00	-27.06	-18.13
6	25.99400	10.68	22.61	21.72	33.29	32.40	60.00	50.00	-26.71	-17.60

Remarks:

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

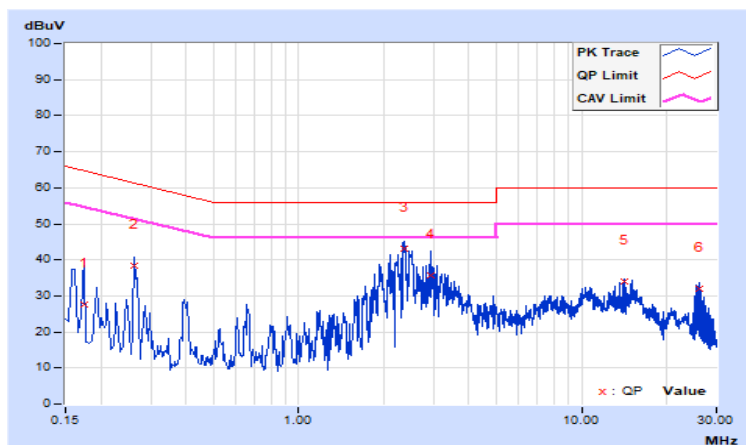


RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	0.17400	10.21	17.40	2.58	27.61	12.79	64.77	54.77	-37.16	-41.98
2	0.26200	10.25	28.25	12.95	38.50	23.20	61.37	51.37	-22.87	-28.17
3	2.37400	10.46	32.69	18.07	43.15	28.53	56.00	46.00	-12.85	-17.47
4	2.94600	10.50	25.10	10.43	35.60	20.93	56.00	46.00	-20.40	-25.07
5	14.19400	10.86	23.19	21.72	34.05	32.58	60.00	50.00	-25.95	-17.42
6	25.98600	10.74	21.22	20.54	31.96	31.28	60.00	50.00	-28.04	-18.72

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



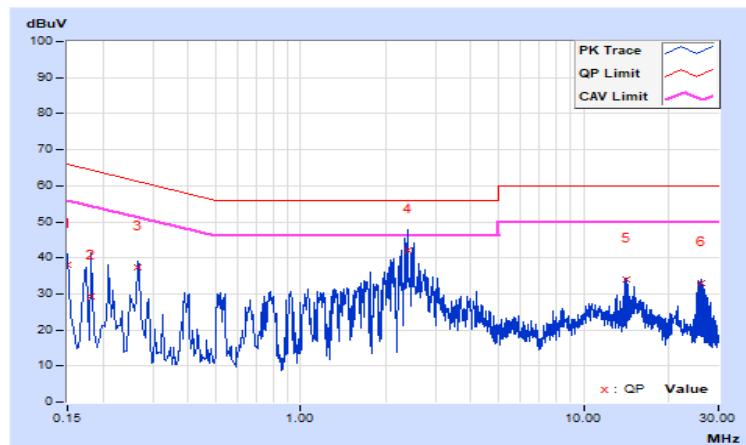
Scan Radio (Mode B)

RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.21	27.92	5.55	38.13	15.76	66.00	56.00	-27.87	-40.24
2	0.18200	10.20	18.99	3.66	29.19	13.86	64.39	54.39	-35.20	-40.53
3	0.26600	10.24	27.25	17.24	37.49	27.48	61.24	51.24	-23.75	-23.76
4	2.38600	10.45	31.60	16.80	42.05	27.25	56.00	46.00	-13.95	-18.75
5	14.19400	10.82	23.02	22.07	33.84	32.89	60.00	50.00	-26.16	-17.11
6	25.99000	10.68	22.37	21.65	33.05	32.33	60.00	50.00	-26.95	-17.67

Remarks:

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

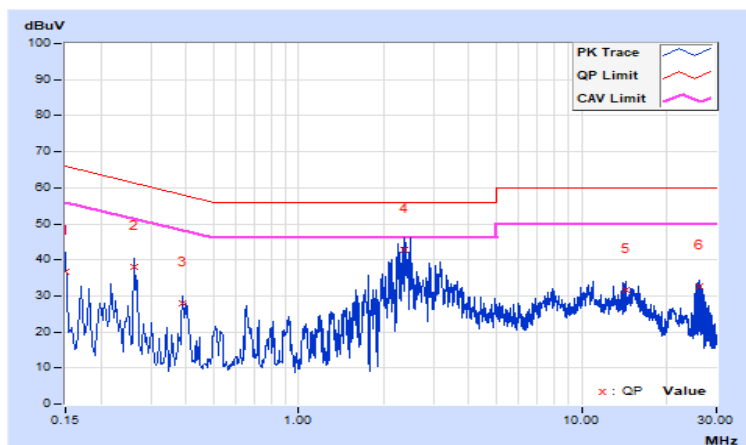


RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.22	26.37	4.50	36.59	14.72	66.00	56.00	-29.41	-41.28
2	0.26200	10.25	27.71	12.87	37.96	23.12	61.37	51.37	-23.41	-28.25
3	0.39000	10.34	17.75	9.50	28.09	19.84	58.06	48.06	-29.97	-28.22
4	2.37000	10.46	32.17	12.81	42.63	23.27	56.00	46.00	-13.37	-22.73
5	14.39000	10.87	20.88	18.64	31.75	29.51	60.00	50.00	-28.25	-20.49
6	25.98600	10.74	21.93	20.90	32.67	31.64	60.00	50.00	-27.33	-18.36

Remarks:

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



7.6 Unwanted Emissions below 1 GHz

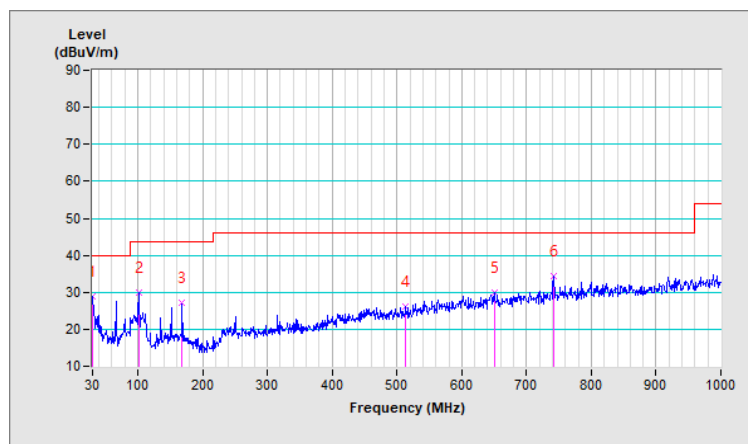
Traffic Radio (Mode A)

RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	30.00	29.0 QP	40.0	-11.0	1.50 H	123	39.5	-10.5
2	100.81	29.9 QP	43.5	-13.6	2.00 H	50	43.3	-13.4
3	167.74	27.0 QP	43.5	-16.5	2.00 H	171	36.0	-9.0
4	514.03	26.0 QP	46.0	-20.0	1.00 H	297	29.0	-3.0
5	649.83	30.0 QP	46.0	-16.0	1.00 H	11	29.8	0.2
6	741.98	34.5 QP	46.0	-11.5	1.00 H	240	32.5	2.0

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

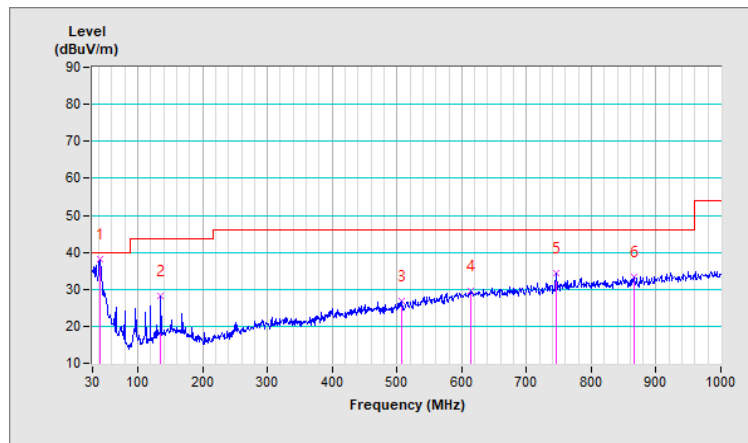


RF Mode	802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	40.67	38.0 QP	40.0	-2.0	1.00 V	205	47.6	-9.6
2	135.73	28.2 QP	43.5	-15.3	1.50 V	72	37.8	-9.6
3	507.24	26.7 QP	46.0	-19.3	1.00 V	241	29.7	-3.0
4	612.97	29.5 QP	46.0	-16.5	2.00 V	223	30.0	-0.5
5	745.86	34.5 QP	46.0	-11.5	1.50 V	278	32.3	2.2
6	867.11	33.5 QP	46.0	-12.5	1.00 V	191	29.2	4.3

Remarks:

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



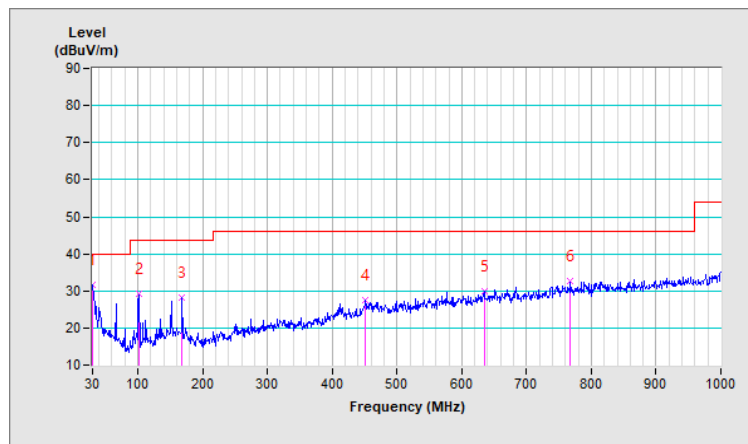
Scan Radio (Mode B)

RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	30.00	31.8 QP	40.0	-8.2	1.50 H	10	42.3	-10.5
2	100.81	29.1 QP	43.5	-14.4	1.00 H	226	42.5	-13.4
3	167.74	28.2 QP	43.5	-15.3	2.00 H	306	37.2	-9.0
4	450.98	27.4 QP	46.0	-18.6	1.50 H	170	31.4	-4.0
5	635.28	30.0 QP	46.0	-16.0	1.50 H	264	30.1	-0.1
6	768.17	32.5 QP	46.0	-13.5	1.00 H	69	29.7	2.8

Remarks:

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

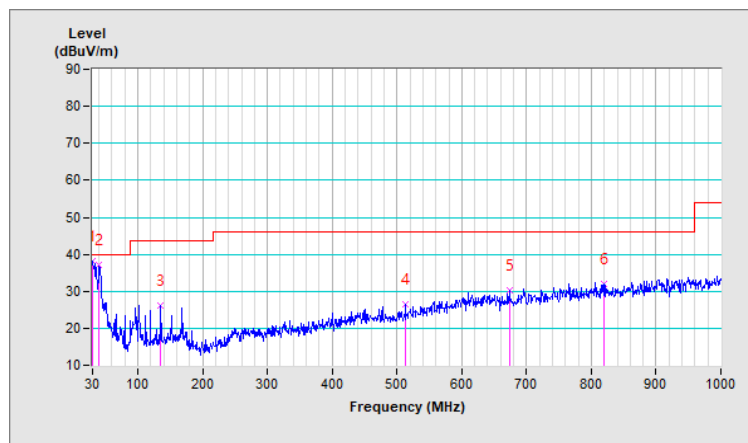


RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	30.00	38.3 QP	40.0	-1.7	1.50 V	107	48.8	-10.5
2	39.70	37.0 QP	40.0	-3.0	1.50 V	110	46.7	-9.7
3	135.73	26.2 QP	43.5	-17.3	1.00 V	245	35.8	-9.6
4	513.06	26.4 QP	46.0	-19.6	1.00 V	303	29.3	-2.9
5	673.11	30.2 QP	46.0	-15.8	1.00 V	352	29.7	0.5
6	819.58	32.0 QP	46.0	-14.0	1.50 V	78	28.4	3.6

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.7 Unwanted Emissions above 1 GHz

Traffic Radio (Mode A)

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	65.4 PK	74.0	-8.6	1.25 H	355	43.1	22.3
2	5150.00	52.5 AV	54.0	-1.5	1.25 H	355	30.2	22.3
3	*5180.00	117.9 PK			1.25 H	355	76.0	41.9
4	*5180.00	108.7 AV			1.25 H	355	66.8	41.9
5	#10360.00	63.2 PK	68.2	-5.0	1.79 H	252	38.6	24.6
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	67.3 PK	74.0	-6.7	1.27 V	355	45.0	22.3
2	5150.00	53.0 AV	54.0	-1.0	1.27 V	355	30.7	22.3
3	*5180.00	119.0 PK			1.27 V	355	77.1	41.9
4	*5180.00	109.5 AV			1.27 V	355	67.6	41.9
5	#10360.00	64.5 PK	68.2	-3.7	1.59 V	231	39.9	24.6

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	66.6 PK	74.0	-7.4	1.05 H	359	44.3	22.3
2	5150.00	51.9 AV	54.0	-2.1	1.05 H	359	29.6	22.3
3	*5200.00	122.4 PK			1.05 H	359	80.6	41.8
4	*5200.00	112.8 AV			1.05 H	359	71.0	41.8
5	#10400.00	63.8 PK	68.2	-4.4	1.78 H	258	39.5	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.7 PK	74.0	-7.3	1.05 V	0	44.4	22.3
2	5150.00	52.7 AV	54.0	-1.3	1.05 V	0	30.4	22.3
3	*5200.00	122.8 PK			1.05 V	0	81.0	41.8
4	*5200.00	113.5 AV			1.05 V	0	71.7	41.8
5	#10400.00	64.1 PK	68.2	-4.1	1.55 V	233	39.8	24.3

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	66.3 PK	74.0	-7.7	1.00 H	356	44.0	22.3
2	5150.00	53.2 AV	54.0	-0.8	1.00 H	356	30.9	22.3
3	*5240.00	125.2 PK			1.00 H	356	83.5	41.7
4	*5240.00	115.2 AV			1.00 H	356	73.5	41.7
5	5350.00	64.7 PK	74.0	-9.3	1.00 H	356	42.7	22.0
6	5350.00	51.4 AV	54.0	-2.6	1.00 H	356	29.4	22.0
7	#10480.00	65.5 PK	68.2	-2.7	1.75 H	256	41.0	24.5
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	67.1 PK	74.0	-6.9	1.00 V	357	44.8	22.3
2	5150.00	53.3 AV	54.0	-0.7	1.00 V	357	31.0	22.3
3	*5240.00	125.3 PK			1.00 V	357	83.6	41.7
4	*5240.00	115.4 AV			1.00 V	357	73.7	41.7
5	5350.00	66.7 PK	74.0	-7.3	1.00 V	357	44.7	22.0
6	5350.00	53.2 AV	54.0	-0.8	1.00 V	357	31.2	22.0
7	#10480.00	65.7 PK	68.2	-2.5	1.56 V	233	41.2	24.5

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	#5649.60	64.0 PK	68.2	-4.2	1.30 H	6	41.4	22.6
2	*5745.00	123.6 PK			1.30 H	6	81.3	42.3
3	*5745.00	113.1 AV			1.30 H	6	70.8	42.3
4	#5939.20	61.9 PK	68.2	-6.3	1.30 H	6	38.3	23.6
5	11490.00	63.2 PK	74.0	-10.8	1.83 H	255	38.4	24.8
6	11490.00	49.9 AV	54.0	-4.1	1.83 H	255	25.1	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.00	67.2 PK	68.2	-1.0	1.11 V	6	44.7	22.5
2	*5745.00	123.8 PK			1.11 V	6	81.5	42.3
3	*5745.00	113.8 AV			1.11 V	6	71.5	42.3
4	#5932.00	62.4 PK	68.2	-5.8	1.11 V	6	38.8	23.6
5	11490.00	63.4 PK	74.0	-10.6	1.56 V	234	38.6	24.8
6	11490.00	50.2 AV	54.0	-3.8	1.56 V	234	25.4	24.8

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	#5649.20	62.6 PK	68.2	-5.6	1.44 H	7	40.0	22.6
2	*5785.00	122.7 PK			1.44 H	7	80.2	42.5
3	*5785.00	113.1 AV			1.44 H	7	70.6	42.5
4	#5942.00	61.6 PK	68.2	-6.6	1.44 H	7	38.0	23.6
5	11570.00	63.2 PK	74.0	-10.8	1.80 H	254	38.2	25.0
6	11570.00	50.2 AV	54.0	-3.8	1.80 H	254	25.2	25.0
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	#5630.00	66.9 PK	68.2	-1.3	1.15 V	10	44.4	22.5
2	*5785.00	124.2 PK			1.15 V	10	81.7	42.5
3	*5785.00	114.5 AV			1.15 V	10	72.0	42.5
4	#5998.80	62.1 PK	68.2	-6.1	1.15 V	10	38.5	23.6
5	11570.00	63.5 PK	74.0	-10.5	1.56 V	236	38.5	25.0
6	11570.00	50.4 AV	54.0	-3.6	1.56 V	236	25.4	25.0

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 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	#5609.60	64.5 PK	68.2	-3.7	1.26 H	8	41.9	22.6
2	*5825.00	124.1 PK			1.26 H	8	81.5	42.6
3	*5825.00	114.1 AV			1.26 H	8	71.5	42.6
4	#5952.40	61.2 PK	68.2	-7.0	1.26 H	8	37.6	23.6
5	11650.00	63.7 PK	74.0	-10.3	1.86 H	255	38.5	25.2
6	11650.00	50.7 AV	54.0	-3.3	1.86 H	255	25.5	25.2
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	#5630.00	67.3 PK	68.2	-0.9	1.19 V	8	44.8	22.5
2	*5825.00	126.2 PK			1.19 V	8	83.6	42.6
3	*5825.00	116.2 AV			1.19 V	8	73.6	42.6
4	#5956.00	62.5 PK	68.2	-5.7	1.19 V	8	38.9	23.6
5	11650.00	63.9 PK	74.0	-10.1	1.57 V	239	38.7	25.2
6	11650.00	50.9 AV	54.0	-3.1	1.57 V	239	25.7	25.2

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	65.2 PK	74.0	-8.8	1.25 H	350	42.9	22.3
2	5150.00	51.1 AV	54.0	-2.9	1.25 H	350	28.8	22.3
3	*5180.00	121.4 PK			1.25 H	350	79.5	41.9
4	*5180.00	108.8 AV			1.25 H	350	66.9	41.9
5	#10360.00	64.1 PK	68.2	-4.1	1.81 H	269	39.5	24.6
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	68.5 PK	74.0	-5.5	1.12 V	357	46.2	22.3
2	5150.00	53.4 AV	54.0	-0.6	1.12 V	357	31.1	22.3
3	*5180.00	123.0 PK			1.12 V	357	81.1	41.9
4	*5180.00	110.1 AV			1.12 V	357	68.2	41.9
5	#10360.00	64.4 PK	68.2	-3.8	1.61 V	229	39.8	24.6

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	70.6 PK	74.0	-3.4	1.14 H	358	48.3	22.3
2	5150.00	53.0 AV	54.0	-1.0	1.14 H	358	30.7	22.3
3	*5200.00	123.8 PK			1.14 H	358	82.0	41.8
4	*5200.00	111.5 AV			1.14 H	358	69.7	41.8
5	#10400.00	63.7 PK	68.2	-4.5	1.80 H	254	39.4	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	71.3 PK	74.0	-2.7	1.08 V	357	49.0	22.3
2	5150.00	53.6 AV	54.0	-0.4	1.08 V	357	31.3	22.3
3	*5200.00	126.5 PK			1.08 V	357	84.7	41.8
4	*5200.00	112.8 AV			1.08 V	357	71.0	41.8
5	#10400.00	63.9 PK	68.2	-4.3	1.60 V	234	39.6	24.3

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 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	70.6 PK	74.0	-3.4	1.04 H	57	48.3	22.3
2	5150.00	53.9 AV	54.0	-0.1	1.04 H	57	31.6	22.3
3	*5240.00	126.5 PK			1.04 H	357	84.8	41.7
4	*5240.00	114.0 AV			1.04 H	357	72.3	41.7
5	5350.00	66.0 PK	74.0	-8.0	1.04 H	357	44.0	22.0
6	5350.00	51.9 AV	54.0	-2.1	1.04 H	357	29.9	22.0
7	#10480.00	64.2 PK	68.2	-4.0	1.75 H	256	39.7	24.5
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	66.0 PK	74.0	-8.0	1.00 V	357	43.7	22.3
2	5150.00	52.7 AV	54.0	-1.3	1.00 V	357	30.4	22.3
3	*5240.00	127.2 PK			1.00 V	357	85.5	41.7
4	*5240.00	114.3 AV			1.00 V	357	72.6	41.7
5	5350.00	66.7 PK	74.0	-7.3	1.00 V	357	44.7	22.0
6	5350.00	53.0 AV	54.0	-1.0	1.00 V	357	31.0	22.0
7	#10480.00	64.3 PK	68.2	-3.9	1.54 V	233	39.8	24.5

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	#5633.20	64.5 PK	68.2	-3.7	1.03 H	8	42.0	22.5
2	#5651.60	67.0 PK	69.3	-2.3	1.03 H	8	44.3	22.7
3	*5745.00	124.7 PK			1.03 H	8	82.4	42.3
4	*5745.00	111.9 AV			1.03 H	8	69.6	42.3
5	#5933.20	61.7 PK	68.2	-6.5	1.03 H	8	38.1	23.6
6	11490.00	63.1 PK	74.0	-10.9	1.80 H	256	38.3	24.8
7	11490.00	50.1 AV	54.0	-3.9	1.80 H	256	25.3	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	67.5 PK	68.2	-0.7	1.22 V	6	45.0	22.5
2	*5745.00	125.5 PK			1.22 V	6	83.2	42.3
3	*5745.00	112.5 AV			1.22 V	6	70.2	42.3
4	#5989.20	62.6 PK	68.2	-5.6	1.22 V	6	39.0	23.6
5	11490.00	63.3 PK	74.0	-10.7	1.56 V	234	38.5	24.8
6	11490.00	50.3 AV	54.0	-3.7	1.56 V	234	25.5	24.8

Remarks:

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

RF Mode	802.11be (EHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	#5630.00	64.3 PK	68.2	-3.9	1.11 H	8	41.8	22.5
2	*5785.00	125.3 PK			1.11 H	8	82.8	42.5
3	*5785.00	112.2 AV			1.11 H	8	69.7	42.5
4	#5985.20	62.7 PK	68.2	-5.5	1.11 H	8	39.1	23.6
5	11570.00	63.2 PK	74.0	-10.8	1.86 H	254	38.2	25.0
6	11570.00	50.4 AV	54.0	-3.6	1.86 H	254	25.4	25.0
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	#5641.20	67.4 PK	68.2	-0.8	1.12 V	8	44.9	22.5
2	*5785.00	126.2 PK			1.12 V	8	83.7	42.5
3	*5785.00	113.4 AV			1.12 V	8	70.9	42.5
4	#5946.00	63.7 PK	68.2	-4.5	1.12 V	8	40.1	23.6
5	11570.00	63.5 PK	74.0	-10.5	1.58 V	235	38.5	25.0
6	11570.00	50.6 AV	54.0	-3.4	1.58 V	235	25.6	25.0

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 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	63.5 PK	68.2	-4.7	1.14 H	5	41.0	22.5
2	*5825.00	125.4 PK			1.14 H	5	82.8	42.6
3	*5825.00	112.6 AV			1.14 H	5	70.0	42.6
4	#5939.60	62.6 PK	68.2	-5.6	1.14 H	5	39.0	23.6
5	11650.00	63.6 PK	74.0	-10.4	1.82 H	252	38.4	25.2
6	11650.00	50.6 AV	54.0	-3.4	1.82 H	252	25.4	25.2
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	#5625.20	67.5 PK	68.2	-0.7	1.18 V	10	44.9	22.6
2	*5825.00	127.0 PK			1.18 V	10	84.4	42.6
3	*5825.00	114.6 AV			1.18 V	10	72.0	42.6
4	#5927.60	62.0 PK	68.2	-6.2	1.18 V	10	38.4	23.6
5	11650.00	63.8 PK	74.0	-10.2	1.55 V	237	38.6	25.2
6	11650.00	50.9 AV	54.0	-3.1	1.55 V	237	25.7	25.2

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	66.3 PK	74.0	-7.7	1.05 H	352	44.0	22.3
2	5150.00	52.6 AV	54.0	-1.4	1.05 H	352	30.3	22.3
3	*5190.00	118.6 PK			1.05 H	352	76.7	41.9
4	*5190.00	105.7 AV			1.05 H	352	63.8	41.9
5	#10380.00	63.8 PK	68.2	-4.4	1.82 H	250	39.4	24.4
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	66.5 PK	74.0	-7.5	1.19 V	356	44.2	22.3
2	5150.00	53.2 AV	54.0	-0.8	1.19 V	356	30.9	22.3
3	*5190.00	119.3 PK			1.19 V	356	77.4	41.9
4	*5190.00	106.6 AV			1.19 V	356	64.7	41.9
5	#10380.00	64.1 PK	68.2	-4.1	1.59 V	231	39.7	24.4

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	61.8 PK	74.0	-12.2	1.07 H	357	39.5	22.3
2	5150.00	50.3 AV	54.0	-3.7	1.07 H	357	28.0	22.3
3	*5230.00	120.1 PK			1.07 H	357	78.3	41.8
4	*5230.00	107.5 AV			1.07 H	357	65.7	41.8
5	5350.00	61.2 PK	74.0	-12.8	1.07 H	357	39.2	22.0
6	5350.00	48.5 AV	54.0	-5.5	1.07 H	357	26.5	22.0
7	#10460.00	63.8 PK	68.2	-4.4	1.78 H	255	39.2	24.6
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	64.8 PK	74.0	-9.2	1.00 V	358	42.5	22.3
2	5150.00	52.5 AV	54.0	-1.5	1.00 V	358	30.2	22.3
3	*5230.00	121.6 PK			1.00 V	358	79.8	41.8
4	*5230.00	108.8 AV			1.00 V	358	67.0	41.8
5	5350.00	61.4 PK	74.0	-12.6	1.00 V	358	39.4	22.0
6	5350.00	48.7 AV	54.0	-5.3	1.00 V	358	26.7	22.0
7	#10460.00	64.0 PK	68.2	-4.2	1.57 V	236	39.4	24.6

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 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5636.40	67.2 PK	68.2	-1.0	1.33 H	2	44.7	22.5
2	*5755.00	121.9 PK			1.33 H	2	79.5	42.4
3	*5755.00	108.4 AV			1.33 H	2	66.0	42.4
4	#5997.20	63.2 PK	68.2	-5.0	1.33 H	2	39.6	23.6
5	11510.00	63.0 PK	74.0	-11.0	1.81 H	252	38.3	24.7
6	11510.00	50.0 AV	54.0	-4.0	1.81 H	252	25.3	24.7
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	#5650.00	67.3 PK	68.2	-0.9	1.27 V	9	44.7	22.6
2	*5755.00	122.1 PK			1.27 V	9	79.7	42.4
3	*5755.00	109.4 AV			1.27 V	9	67.0	42.4
4	#5974.40	62.6 PK	68.2	-5.6	1.27 V	9	39.0	23.6
5	11510.00	63.3 PK	74.0	-10.7	1.58 V	233	38.6	24.7
6	11510.00	50.2 AV	54.0	-3.8	1.58 V	233	25.5	24.7

Remarks:

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

RF Mode	802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5633.20	66.4 PK	68.2	-1.8	1.31 H	2	43.9	22.5
2	*5795.00	122.1 PK			1.31 H	2	79.7	42.4
3	*5795.00	108.8 AV			1.31 H	2	66.4	42.4
4	#5926.00	63.0 PK	68.2	-5.2	1.31 H	2	39.4	23.6
5	11590.00	63.3 PK	74.0	-10.7	1.88 H	252	38.3	25.0
6	11590.00	50.2 AV	54.0	-3.8	1.88 H	252	25.2	25.0
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	#5628.40	67.2 PK	68.2	-1.0	1.20 V	7	44.6	22.6
2	*5795.00	122.7 PK			1.20 V	7	80.3	42.4
3	*5795.00	109.8 AV			1.20 V	7	67.4	42.4
4	#5938.80	62.6 PK	68.2	-5.6	1.20 V	7	39.0	23.6
5	11590.00	63.5 PK	74.0	-10.5	1.59 V	237	38.5	25.0
6	11590.00	50.6 AV	54.0	-3.4	1.59 V	237	25.6	25.0

Remarks:

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

RF Mode	802.11be (EHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	65.0 PK	74.0	-9.0	1.25 H	343	42.7	22.3
2	5150.00	52.5 AV	54.0	-1.5	1.25 H	343	30.2	22.3
3	*5210.00	114.5 PK			1.25 H	343	72.6	41.9
4	*5210.00	101.9 AV			1.25 H	343	60.0	41.9
5	#10420.00	63.6 PK	68.2	-4.6	1.79 H	261	39.3	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.1 PK	74.0	-7.9	1.01 V	356	43.8	22.3
2	5150.00	53.7 AV	54.0	-0.3	1.01 V	356	31.4	22.3
3	*5210.00	115.4 PK			1.01 V	356	73.5	41.9
4	*5210.00	102.9 AV			1.01 V	356	61.0	41.9
5	#10420.00	64.0 PK	68.2	-4.2	1.60 V	229	39.7	24.3

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 (EHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5648.40	67.1 PK	68.2	-1.1	1.20 H	5	44.5	22.6
2	*5775.00	117.5 PK			1.20 H	5	75.1	42.4
3	*5775.00	104.5 AV			1.20 H	5	62.1	42.4
4	#5927.60	62.1 PK	68.2	-6.1	1.20 H	5	38.5	23.6
5	11550.00	63.4 PK	74.0	-10.6	1.90 H	261	38.5	24.9
6	11550.00	50.1 AV	54.0	-3.9	1.90 H	261	25.2	24.9
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	#5650.00	67.9 PK	68.2	-0.3	1.13 V	10	45.3	22.6
2	*5775.00	119.1 PK			1.13 V	10	76.7	42.4
3	*5775.00	105.3 AV			1.13 V	10	62.9	42.4
4	#5934.40	62.1 PK	68.2	-6.1	1.13 V	10	38.5	23.6
5	11550.00	63.6 PK	74.0	-10.4	1.61 V	240	38.7	24.9
6	11550.00	50.3 AV	54.0	-3.7	1.61 V	240	25.4	24.9

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.

Scan Radio (Mode B)

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.6 PK	74.0	-10.4	1.38 H	25	41.3	22.3
2	5150.00	49.7 AV	54.0	-4.3	1.38 H	25	27.4	22.3
3	*5180.00	112.2 PK			1.38 H	25	70.3	41.9
4	*5180.00	102.4 AV			1.38 H	25	60.5	41.9
5	#10360.00	64.1 PK	68.2	-4.1	1.74 H	153	39.5	24.6
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	66.9 PK	74.0	-7.1	3.48 V	19	44.6	22.3
2	5150.00	52.9 AV	54.0	-1.1	3.48 V	19	30.6	22.3
3	*5180.00	115.9 PK			3.48 V	19	74.0	41.9
4	*5180.00	106.0 AV			3.48 V	19	64.1	41.9
5	#10360.00	64.8 PK	68.2	-3.4	2.55 V	346	40.2	24.6

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.7 PK	74.0	-10.3	1.30 H	26	41.4	22.3
2	5150.00	51.8 AV	54.0	-2.2	1.30 H	26	29.5	22.3
3	*5200.00	115.8 PK			1.30 H	26	74.0	41.8
4	*5200.00	105.7 AV			1.30 H	26	63.9	41.8
5	#10400.00	63.7 PK	68.2	-4.5	1.74 H	155	39.4	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.3 PK	74.0	-5.7	3.65 V	20	46.0	22.3
2	5150.00	53.2 AV	54.0	-0.8	3.65 V	20	30.9	22.3
3	*5200.00	118.8 PK			3.65 V	20	77.0	41.8
4	*5200.00	108.9 AV			3.65 V	20	67.1	41.8
5	#10400.00	63.9 PK	68.2	-4.3	2.56 V	347	39.6	24.3

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	116.8 PK			1.37 H	25	75.1	41.7
2	*5240.00	106.8 AV			1.37 H	25	65.1	41.7
3	5350.00	61.5 PK	74.0	-12.5	1.37 H	25	39.5	22.0
4	5350.00	47.5 AV	54.0	-6.5	1.37 H	25	25.5	22.0
5	#10480.00	64.0 PK	68.2	-4.2	1.76 H	152	39.5	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.8 PK			3.22 V	19	78.1	41.7
2	*5240.00	109.1 AV			3.22 V	19	67.4	41.7
3	5350.00	61.7 PK	74.0	-12.3	3.22 V	19	39.7	22.0
4	5350.00	47.7 AV	54.0	-6.3	3.22 V	19	25.7	22.0
5	#10480.00	64.2 PK	68.2	-4.0	2.58 V	342	39.7	24.5

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5650.00	64.2 PK	68.2	-4.0	1.34 H	33	41.6	22.6
2	*5745.00	120.3 PK			1.34 H	33	78.0	42.3
3	*5745.00	109.9 AV			1.34 H	33	67.6	42.3
4	#5986.80	63.1 PK	68.2	-5.1	1.34 H	33	39.5	23.6
5	11490.00	64.2 PK	74.0	-9.8	1.89 H	154	39.4	24.8
6	11490.00	50.5 AV	54.0	-3.5	1.89 H	154	25.7	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.60	64.7 PK	68.2	-3.5	2.69 V	344	42.1	22.6
2	*5745.00	123.3 PK			2.69 V	344	81.0	42.3
3	*5745.00	112.9 AV			2.69 V	344	70.6	42.3
4	#5953.20	63.9 PK	68.2	-4.3	2.69 V	344	40.3	23.6
5	11490.00	64.3 PK	74.0	-9.7	2.61 V	333	39.5	24.8
6	11490.00	50.8 AV	54.0	-3.2	2.61 V	333	26.0	24.8

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	62.0 PK	68.2	-6.2	1.26 H	28	39.4	22.6
2	*5785.00	120.1 PK			1.26 H	28	77.6	42.5
3	*5785.00	110.0 AV			1.26 H	28	67.5	42.5
4	#5952.80	63.3 PK	68.2	-4.9	1.26 H	28	39.7	23.6
5	11570.00	64.2 PK	74.0	-9.8	1.90 H	153	39.2	25.0
6	11570.00	50.7 AV	54.0	-3.3	1.90 H	153	25.7	25.0
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	#5628.00	62.1 PK	68.2	-6.1	2.87 V	348	39.5	22.6
2	*5785.00	123.0 PK			2.87 V	348	80.5	42.5
3	*5785.00	112.8 AV			2.87 V	348	70.3	42.5
4	#5992.80	63.8 PK	68.2	-4.4	2.87 V	348	40.2	23.6
5	11570.00	64.4 PK	74.0	-9.6	2.59 V	342	39.4	25.0
6	11570.00	51.1 AV	54.0	-2.9	2.59 V	342	26.1	25.0

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 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5625.20	62.0 PK	68.2	-6.2	1.33 H	30	39.4	22.6
2	*5825.00	120.2 PK			1.33 H	30	77.6	42.6
3	*5825.00	109.5 AV			1.33 H	30	66.9	42.6
4	#5989.60	63.1 PK	68.2	-5.1	1.33 H	30	39.5	23.6
5	11650.00	64.1 PK	74.0	-9.9	1.85 H	141	38.9	25.2
6	11650.00	51.0 AV	54.0	-3.0	1.85 H	141	25.8	25.2
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	#5607.20	62.0 PK	68.2	-6.2	3.05 V	15	39.4	22.6
2	*5825.00	122.6 PK			3.05 V	15	80.0	42.6
3	*5825.00	112.5 AV			3.05 V	15	69.9	42.6
4	#5941.60	63.3 PK	68.2	-4.9	3.05 V	15	39.7	23.6
5	11650.00	64.4 PK	74.0	-9.6	2.69 V	340	39.2	25.2
6	11650.00	51.0 AV	54.0	-3.0	2.69 V	340	25.8	25.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	1.23 H	25	39.6	22.3
2	5150.00	49.7 AV	54.0	-4.3	1.23 H	25	27.4	22.3
3	*5180.00	115.2 PK			1.23 H	25	73.3	41.9
4	*5180.00	100.8 AV			1.23 H	25	58.9	41.9
5	#10360.00	64.2 PK	68.2	-4.0	1.77 H	155	39.6	24.6
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	67.1 PK	74.0	-6.9	3.49 V	19	44.8	22.3
2	5150.00	53.2 AV	54.0	-0.8	3.49 V	19	30.9	22.3
3	*5180.00	118.7 PK			3.49 V	19	76.8	41.9
4	*5180.00	105.4 AV			3.49 V	19	63.5	41.9
5	#10360.00	64.9 PK	68.2	-3.3	2.54 V	347	40.3	24.6

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	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

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	66.8 PK	74.0	-7.2	1.22 H	26	44.5	22.3
2	5150.00	53.2 AV	54.0	-0.8	1.22 H	26	30.9	22.3
3	*5200.00	117.5 PK			1.22 H	26	75.7	41.8
4	*5200.00	105.0 AV			1.22 H	26	63.2	41.8
5	#10400.00	63.9 PK	68.2	-4.3	1.76 H	156	39.6	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.7 PK	74.0	-5.3	3.64 V	19	46.4	22.3
2	5150.00	53.3 AV	54.0	-0.7	3.64 V	19	31.0	22.3
3	*5200.00	120.6 PK			3.64 V	19	78.8	41.8
4	*5200.00	108.5 AV			3.64 V	19	66.7	41.8
5	#10400.00	64.1 PK	68.2	-4.1	2.54 V	342	39.8	24.3

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	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.0 PK			1.38 H	26	77.3	41.7
2	*5240.00	106.1 AV			1.38 H	26	64.4	41.7
3	5350.00	60.2 PK	74.0	-13.8	1.38 H	26	38.2	22.0
4	5350.00	47.3 AV	54.0	-6.7	1.38 H	26	25.3	22.0
5	#10480.00	64.0 PK	68.2	-4.2	1.74 H	154	39.5	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	122.1 PK			4.00 V	23	80.4	41.7
2	*5240.00	108.5 AV			4.00 V	23	66.8	41.7
3	5350.00	60.4 PK	74.0	-13.6	4.00 V	23	38.4	22.0
4	5350.00	47.5 AV	54.0	-6.5	4.00 V	23	25.5	22.0
5	#10480.00	64.2 PK	68.2	-4.0	2.54 V	345	39.7	24.5

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	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5632.00	65.7 PK	68.2	-2.5	1.41 H	34	43.2	22.5
2	*5745.00	122.0 PK			1.41 H	34	79.7	42.3
3	*5745.00	109.8 AV			1.41 H	34	67.5	42.3
4	#5937.20	62.8 PK	68.2	-5.4	1.41 H	34	39.2	23.6
5	11490.00	63.8 PK	74.0	-10.2	1.85 H	138	39.0	24.8
6	11490.00	50.6 AV	54.0	-3.4	1.85 H	138	25.8	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.60	65.5 PK	68.2	-2.7	2.68 V	343	42.9	22.6
2	*5745.00	124.7 PK			2.68 V	343	82.4	42.3
3	*5745.00	112.5 AV			2.68 V	343	70.2	42.3
4	#5977.60	63.7 PK	68.2	-4.5	2.68 V	343	40.1	23.6
5	11490.00	64.0 PK	74.0	-10.0	2.60 V	338	39.2	24.8
6	11490.00	51.0 AV	54.0	-3.0	2.60 V	338	26.2	24.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.20	61.5 PK	68.2	-6.7	1.28 H	30	38.9	22.6
2	*5785.00	123.0 PK			1.28 H	30	80.5	42.5
3	*5785.00	110.9 AV			1.28 H	30	68.4	42.5
4	#5986.00	62.8 PK	68.2	-5.4	1.28 H	30	39.2	23.6
5	11570.00	63.8 PK	74.0	-10.2	1.84 H	151	38.8	25.0
6	11570.00	50.8 AV	54.0	-3.2	1.84 H	151	25.8	25.0
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	#5630.80	62.1 PK	68.2	-6.1	2.73 V	350	39.6	22.5
2	*5785.00	125.4 PK			2.73 V	350	82.9	42.5
3	*5785.00	113.0 AV			2.73 V	350	70.5	42.5
4	#5951.20	63.6 PK	68.2	-4.6	2.73 V	350	40.0	23.6
5	11570.00	63.9 PK	74.0	-10.1	2.59 V	345	38.9	25.0
6	11570.00	51.0 AV	54.0	-3.0	2.59 V	345	26.0	25.0

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	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.60	61.7 PK	68.2	-6.5	1.38 H	33	39.0	22.7
2	*5825.00	122.4 PK			1.38 H	33	79.8	42.6
3	*5825.00	109.7 AV			1.38 H	33	67.1	42.6
4	#5941.20	63.7 PK	68.2	-4.5	1.38 H	33	40.1	23.6
5	11650.00	63.9 PK	74.0	-10.1	1.79 H	151	38.7	25.2
6	11650.00	51.0 AV	54.0	-3.0	1.79 H	151	25.8	25.2
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	#5646.00	61.9 PK	68.2	-6.3	3.49 V	14	39.3	22.6
2	*5825.00	125.1 PK			3.49 V	14	82.5	42.6
3	*5825.00	112.9 AV			3.49 V	14	70.3	42.6
4	#5939.20	63.6 PK	68.2	-4.6	3.49 V	14	40.0	23.6
5	11650.00	64.1 PK	74.0	-9.9	2.63 V	340	38.9	25.2
6	11650.00	51.1 AV	54.0	-2.9	2.63 V	340	25.9	25.2

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	67.7 PK	74.0	-6.3	1.44 H	28	45.4	22.3
2	5150.00	53.6 AV	54.0	-0.4	1.44 H	28	31.3	22.3
3	*5190.00	111.7 PK			1.44 H	28	69.8	41.9
4	*5190.00	98.7 AV			1.44 H	28	56.8	41.9
5	#10380.00	64.0 PK	68.2	-4.2	1.91 H	152	39.6	24.4
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	68.1 PK	74.0	-5.9	3.88 V	349	45.8	22.3
2	5150.00	53.7 AV	54.0	-0.3	3.88 V	349	31.4	22.3
3	*5190.00	113.9 PK			3.88 V	349	72.0	41.9
4	*5190.00	100.8 AV			3.88 V	349	58.9	41.9
5	#10380.00	64.4 PK	68.2	-3.8	2.60 V	342	40.0	24.4

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	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.3 PK	74.0	-10.7	1.39 H	26	41.0	22.3
2	5150.00	50.7 AV	54.0	-3.3	1.39 H	26	28.4	22.3
3	*5230.00	114.1 PK			1.39 H	26	72.3	41.8
4	*5230.00	101.5 AV			1.39 H	26	59.7	41.8
5	5350.00	61.5 PK	74.0	-12.5	1.39 H	26	39.5	22.0
6	5350.00	47.7 AV	54.0	-6.3	1.39 H	26	25.7	22.0
7	#10460.00	64.2 PK	68.2	-4.0	1.77 H	156	39.6	24.6
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	66.6 PK	74.0	-7.4	3.62 V	17	44.3	22.3
2	5150.00	53.4 AV	54.0	-0.6	3.62 V	17	31.1	22.3
3	*5230.00	117.1 PK			3.62 V	17	75.3	41.8
4	*5230.00	105.2 AV			3.62 V	17	63.4	41.8
5	5350.00	61.7 PK	74.0	-12.3	3.62 V	17	39.7	22.0
6	5350.00	48.0 AV	54.0	-6.0	3.62 V	17	26.0	22.0
7	#10460.00	64.4 PK	68.2	-3.8	2.52 V	336	39.8	24.6

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	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5644.00	66.9 PK	68.2	-1.3	1.36 H	30	44.4	22.5
2	*5755.00	117.8 PK			1.36 H	30	75.4	42.4
3	*5755.00	105.0 AV			1.36 H	30	62.6	42.4
4	#5994.80	63.1 PK	68.2	-5.1	1.36 H	30	39.5	23.6
5	11510.00	64.2 PK	74.0	-9.8	1.88 H	150	39.5	24.7
6	11510.00	50.6 AV	54.0	-3.4	1.88 H	150	25.9	24.7
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	#5647.20	67.1 PK	68.2	-1.1	2.70 V	343	44.5	22.6
2	*5755.00	120.1 PK			2.70 V	343	77.7	42.4
3	*5755.00	107.5 AV			2.70 V	343	65.1	42.4
4	#5964.00	63.5 PK	68.2	-4.7	2.70 V	343	39.9	23.6
5	11510.00	64.5 PK	74.0	-9.5	2.52 V	336	39.8	24.7
6	11510.00	50.9 AV	54.0	-3.1	2.52 V	336	26.2	24.7

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	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5649.60	65.9 PK	68.2	-2.3	1.30 H	28	43.3	22.6
2	*5795.00	120.1 PK			1.30 H	28	77.7	42.4
3	*5795.00	107.2 AV			1.30 H	28	64.8	42.4
4	#5930.00	65.5 PK	68.2	-2.7	1.30 H	28	41.9	23.6
5	11590.00	64.9 PK	74.0	-9.1	1.82 H	146	39.9	25.0
6	11590.00	51.0 AV	54.0	-3.0	1.82 H	146	26.0	25.0
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	#5633.60	66.4 PK	68.2	-1.8	3.37 V	12	43.9	22.5
2	*5795.00	123.5 PK			3.37 V	12	81.1	42.4
3	*5795.00	110.2 AV			3.37 V	12	67.8	42.4
4	#5928.00	67.2 PK	68.2	-1.0	3.37 V	12	43.6	23.6
5	11590.00	65.2 PK	74.0	-8.8	2.57 V	331	40.2	25.0
6	11590.00	51.3 AV	54.0	-2.7	2.57 V	331	26.3	25.0

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	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	66.1 PK	74.0	-7.9	1.47 H	31	43.8	22.3
2	5150.00	53.1 AV	54.0	-0.9	1.47 H	31	30.8	22.3
3	*5210.00	107.5 PK			1.47 H	31	65.6	41.9
4	*5210.00	94.5 AV			1.47 H	31	52.6	41.9
5	#10420.00	63.9 PK	68.2	-4.3	1.94 H	141	39.6	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.4 PK	74.0	-7.6	3.89 V	349	44.1	22.3
2	5150.00	53.7 AV	54.0	-0.3	3.89 V	349	31.4	22.3
3	*5210.00	108.5 PK			3.89 V	349	66.6	41.9
4	*5210.00	96.6 AV			3.89 V	349	54.7	41.9
5	#10420.00	64.1 PK	68.2	-4.1	2.64 V	333	39.8	24.3

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	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

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	#5648.40	66.8 PK	68.2	-1.4	1.34 H	31	44.2	22.6
2	*5775.00	112.8 PK			1.34 H	31	70.4	42.4
3	*5775.00	99.6 AV			1.34 H	31	57.2	42.4
4	#5962.40	64.0 PK	68.2	-4.2	1.34 H	31	40.4	23.6
5	11550.00	64.5 PK	74.0	-9.5	1.77 H	143	39.6	24.9
6	11550.00	50.6 AV	54.0	-3.4	1.77 H	143	25.7	24.9
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	#5647.20	67.5 PK	68.2	-0.7	3.37 V	11	44.9	22.6
2	*5775.00	115.0 PK			3.37 V	11	72.6	42.4
3	*5775.00	101.9 AV			3.37 V	11	59.5	42.4
4	#5970.00	63.1 PK	68.2	-5.1	3.37 V	11	39.5	23.6
5	11550.00	64.7 PK	74.0	-9.3	2.52 V	339	39.8	24.9
6	11550.00	50.9 AV	54.0	-3.1	2.52 V	339	26.0	24.9

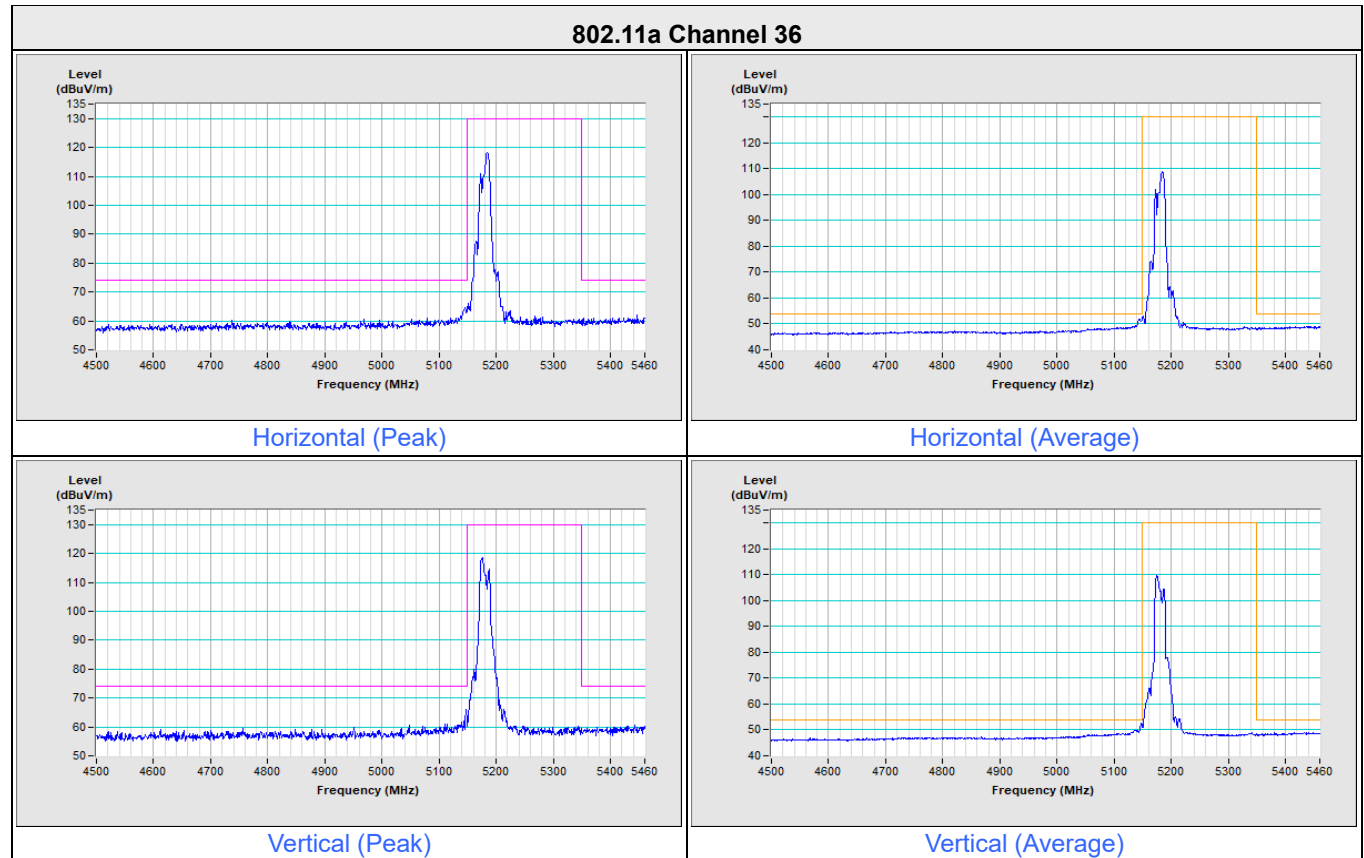
Remarks:

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

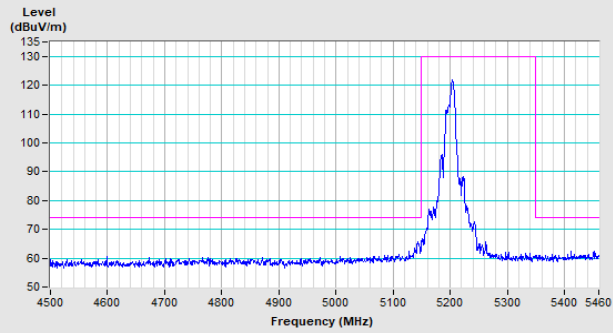
Plot of Band Edge

Traffic Radio (Mode A)

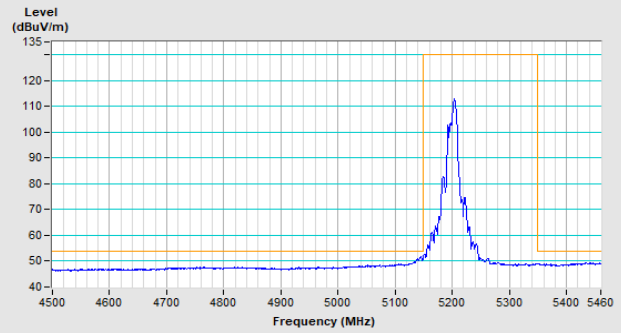
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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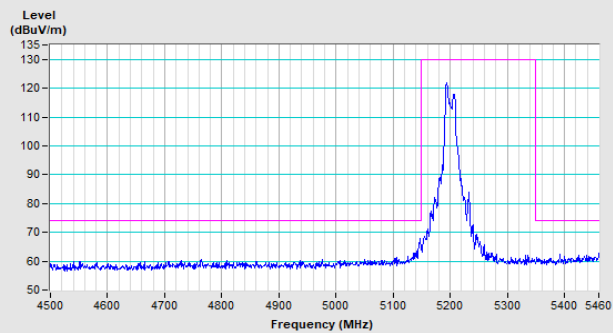
802.11a Channel 40



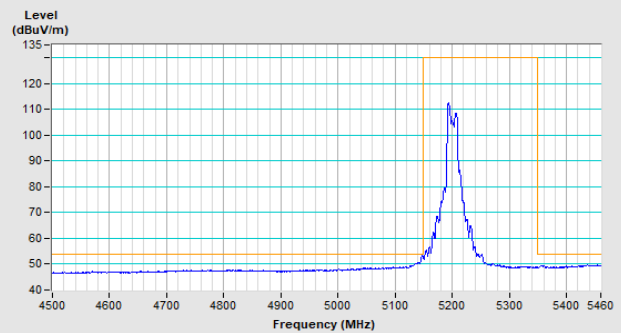
Horizontal (Peak)



Horizontal (Average)

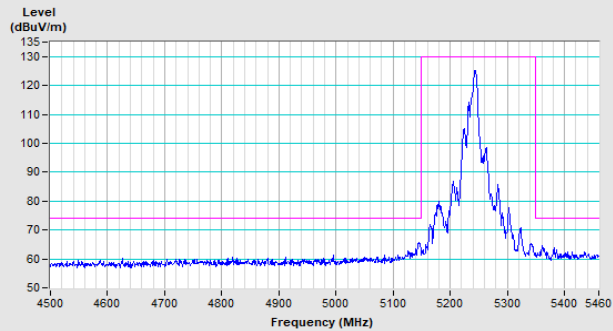


Vertical (Peak)

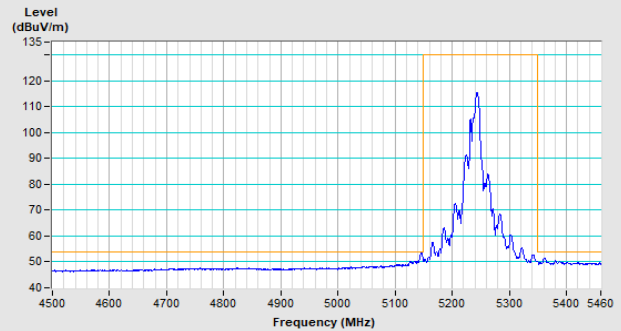


Vertical (Average)

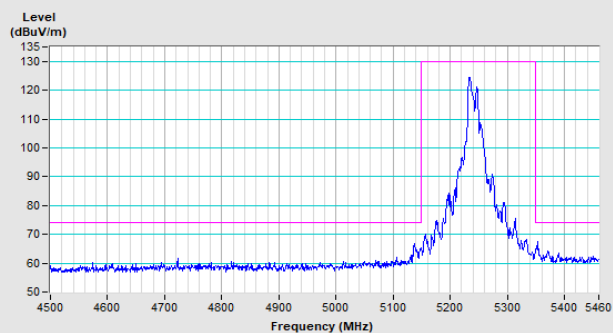
802.11a Channel 48



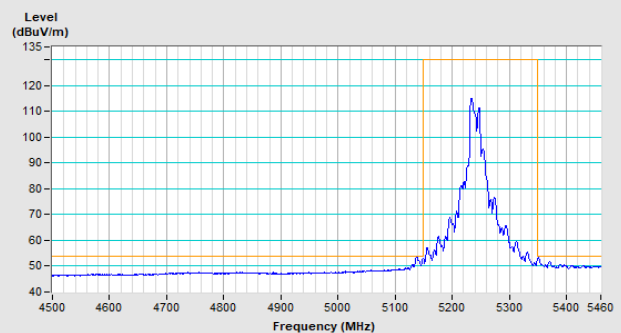
Horizontal (Peak)



Horizontal (Average)



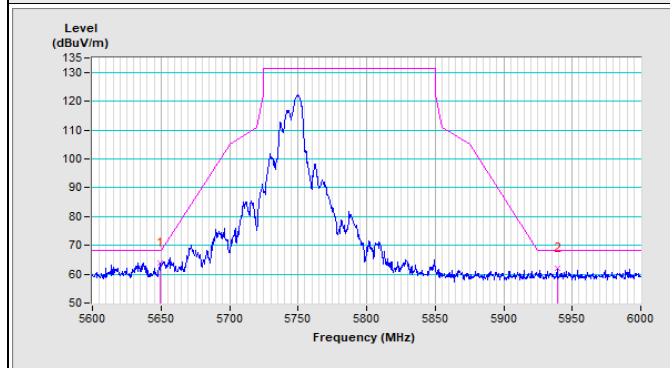
Vertical (Peak)



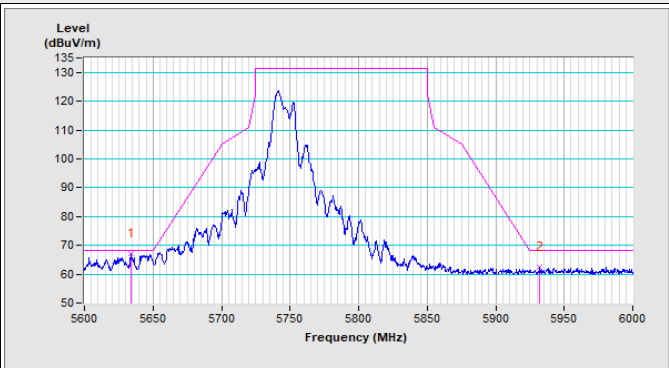
Vertical (Average)

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

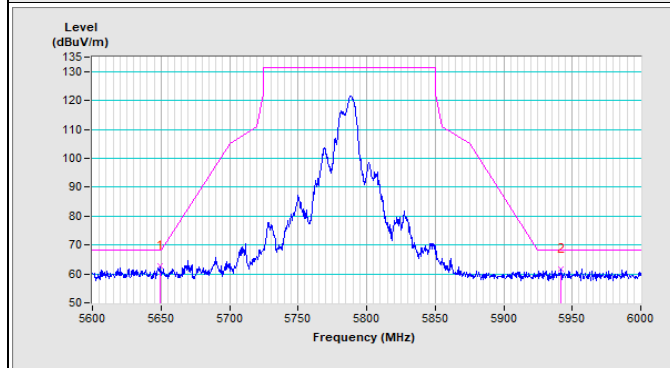


Horizontal (Peak)

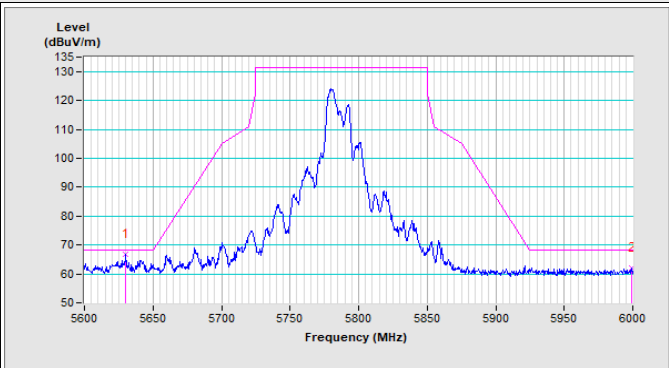


Vertical (Peak)

802.11a Channel 157

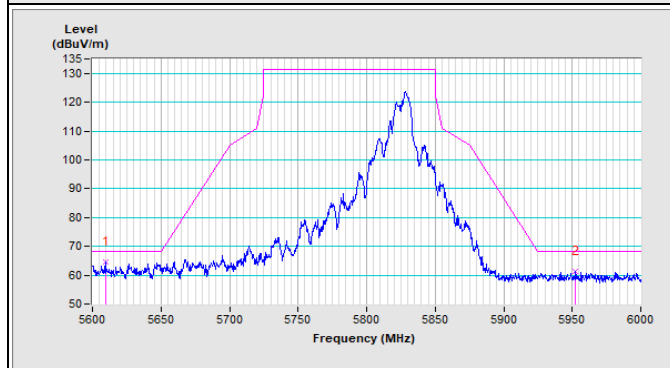


Horizontal (Peak)

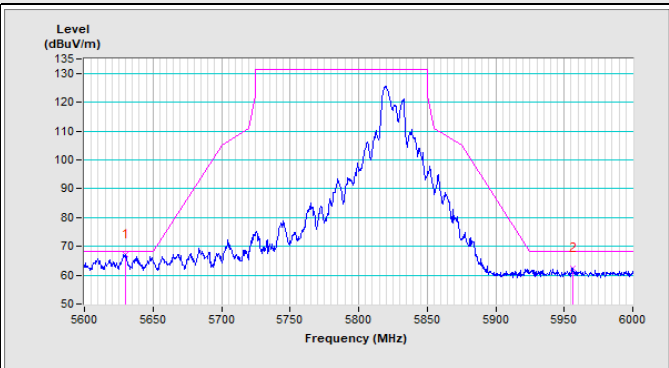


Vertical (Peak)

802.11a Channel 165



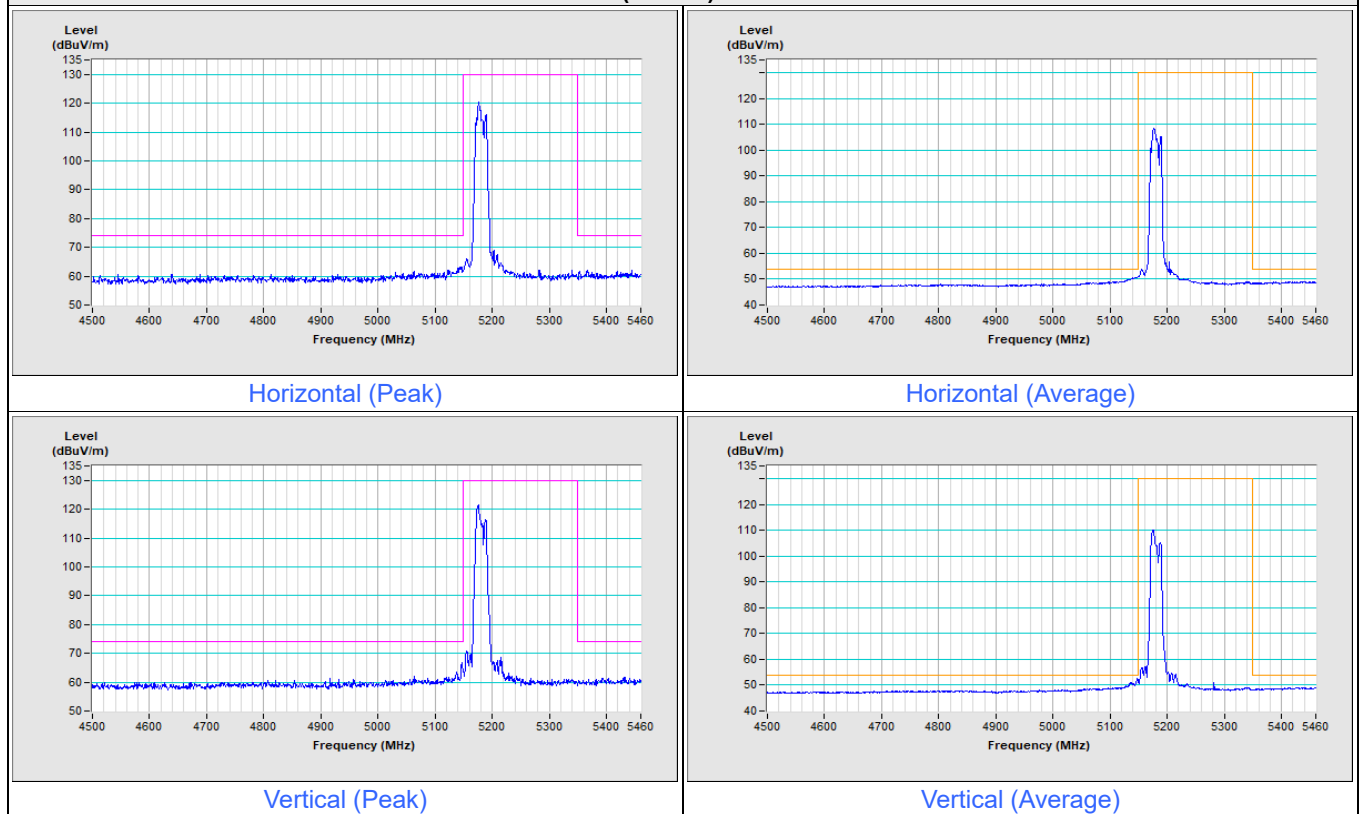
Horizontal (Peak)



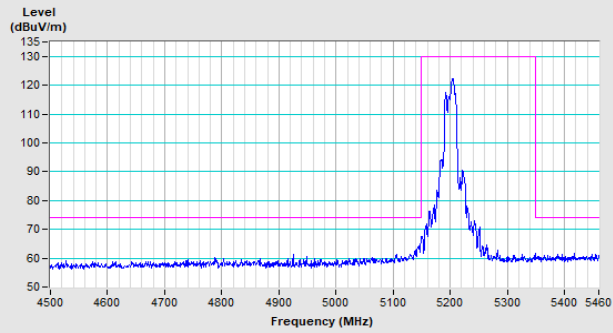
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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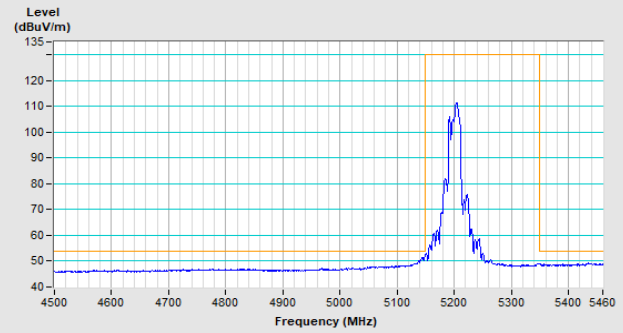
802.11be (EHT20) Channel 36



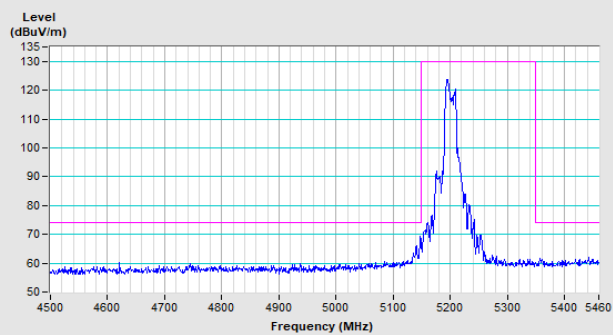
802.11be (EHT20) Channel 40



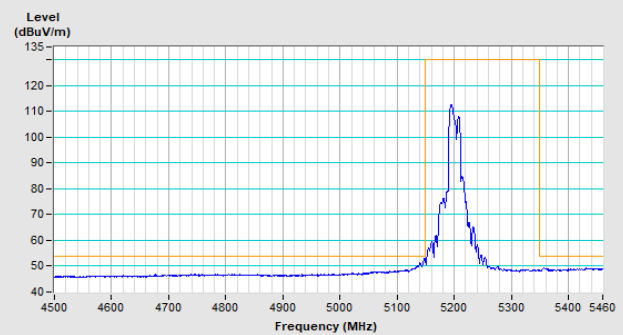
Horizontal (Peak)



Horizontal (Average)

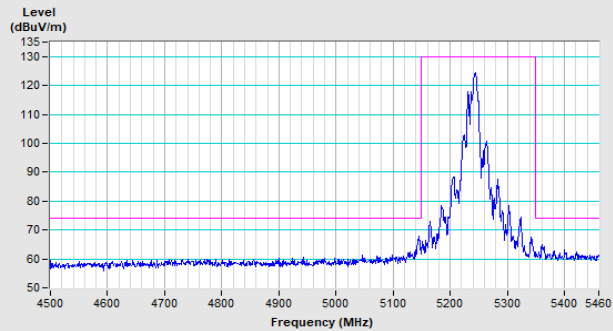


Vertical (Peak)

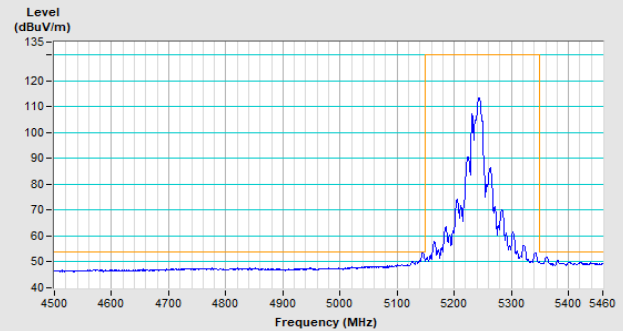


Vertical (Average)

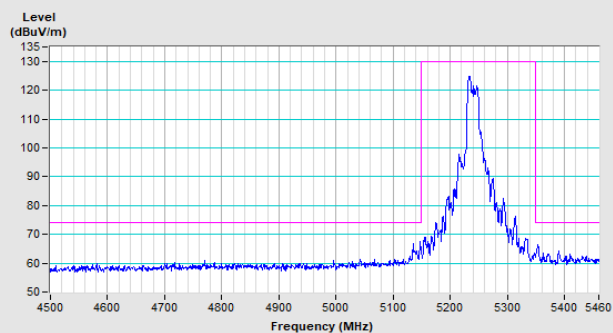
802.11be (EHT20) Channel 48



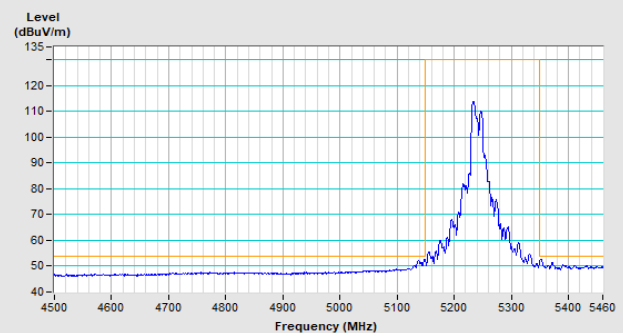
Horizontal (Peak)



Horizontal (Average)



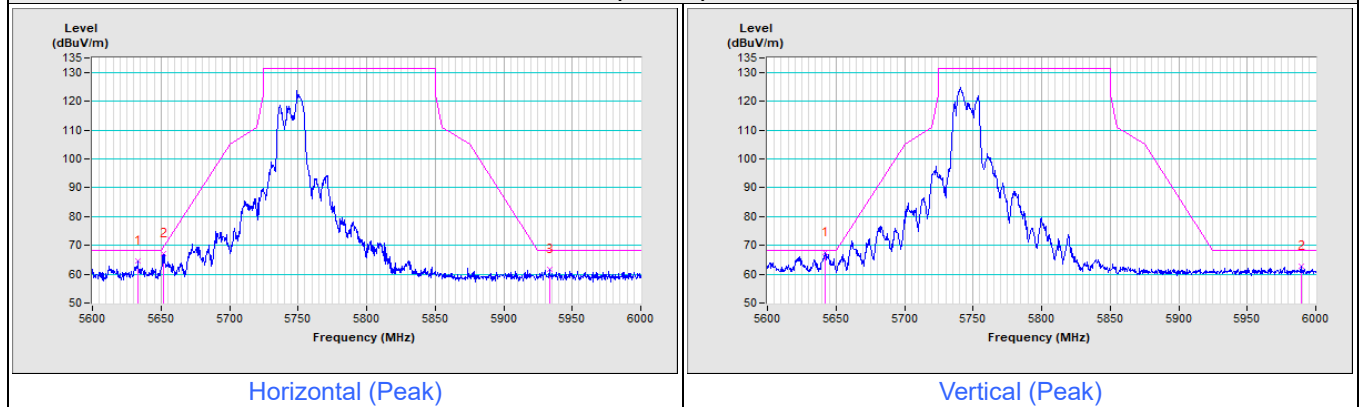
Vertical (Peak)



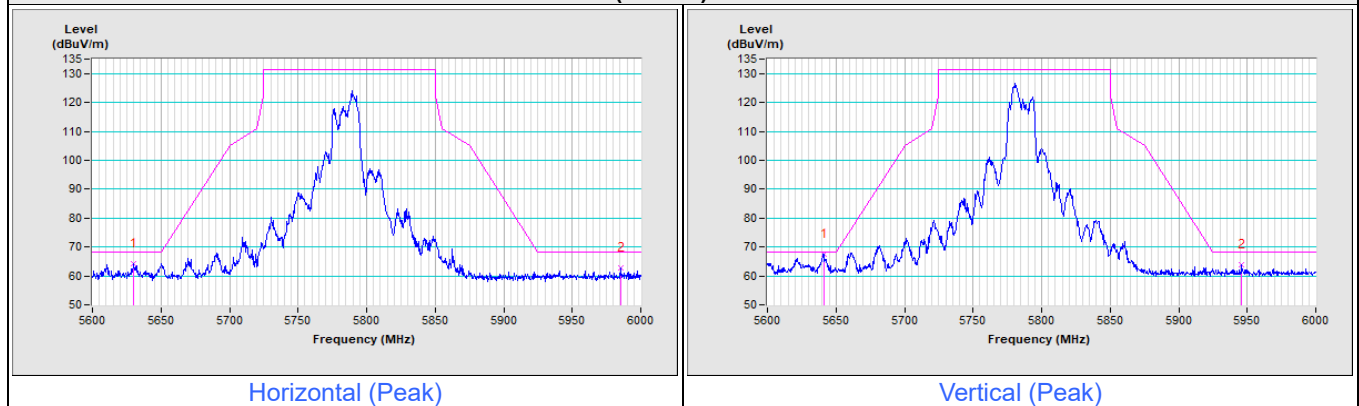
Vertical (Average)

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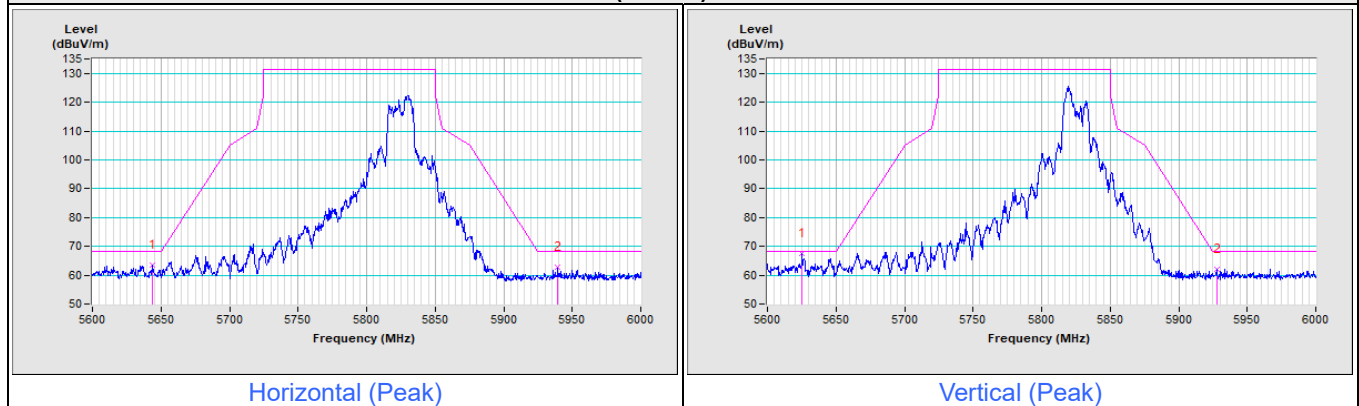
802.11be (EHT20) Channel 149



802.11be (EHT20) Channel 157

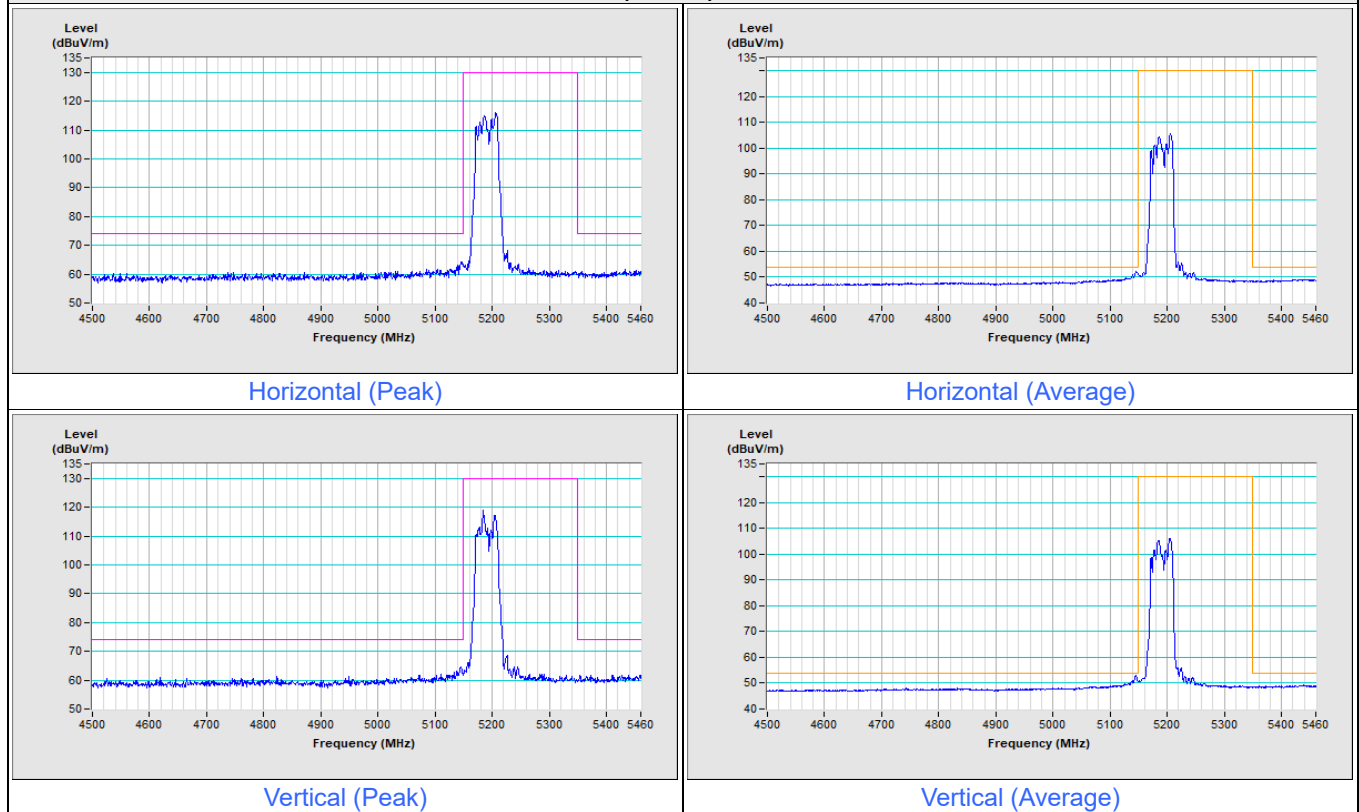


802.11be (EHT20) Channel 165

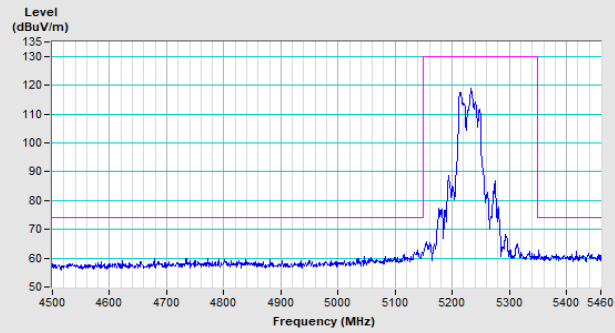


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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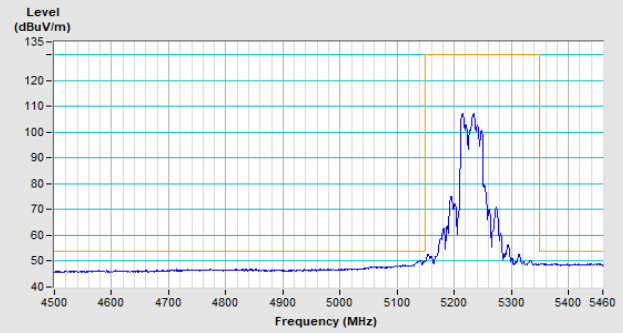
802.11be (EHT40) Channel 38



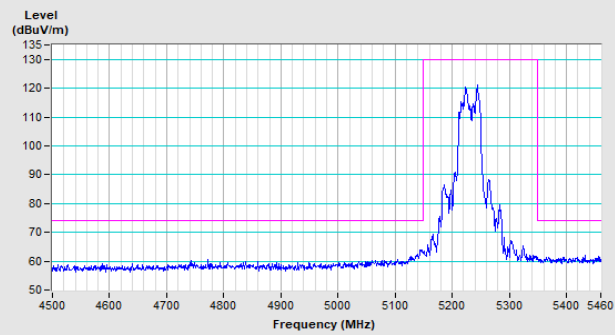
802.11be (EHT40) Channel 46



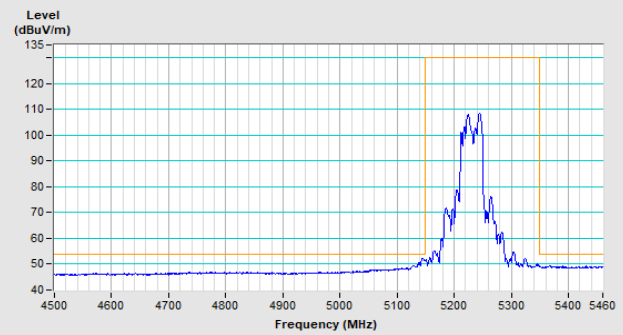
Horizontal (Peak)



Horizontal (Average)



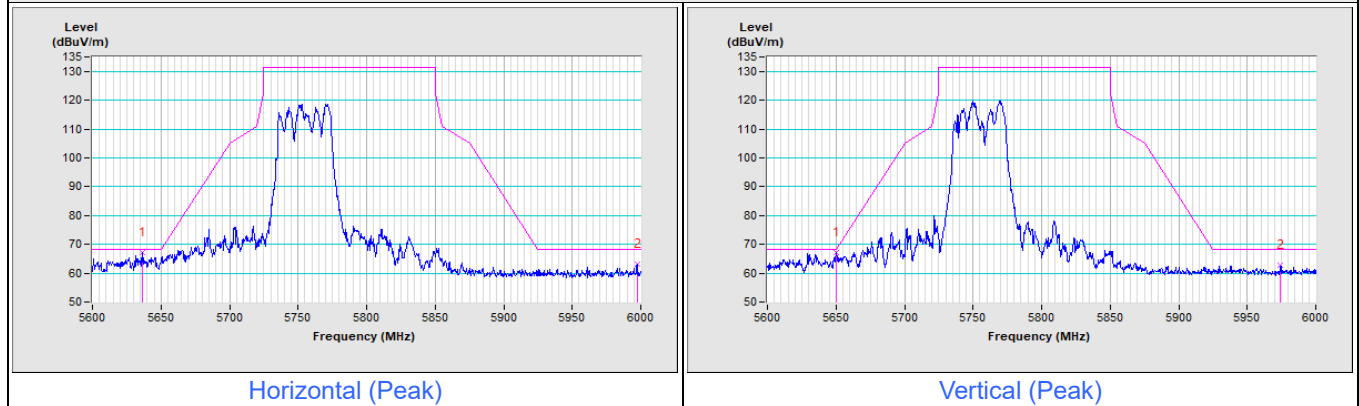
Vertical (Peak)



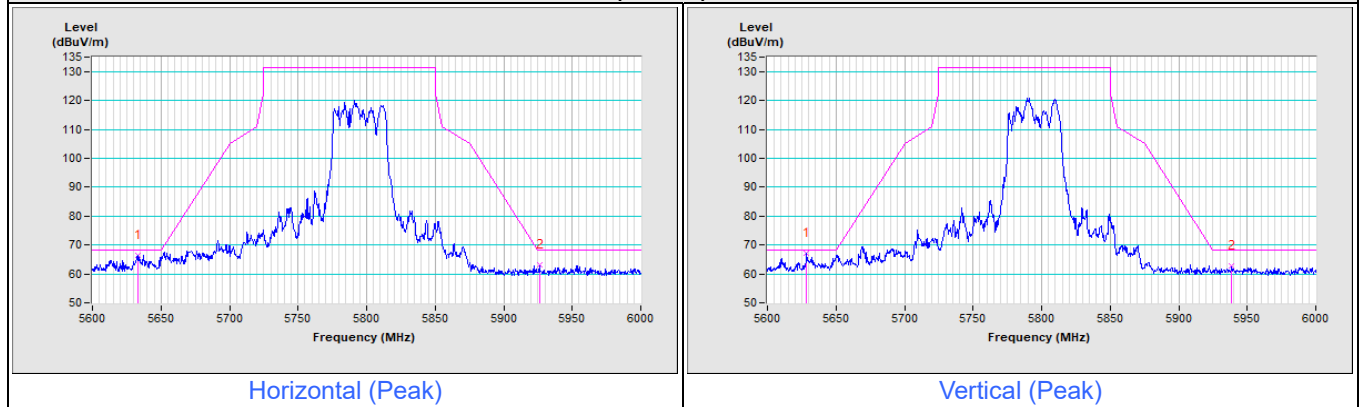
Vertical (Average)

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

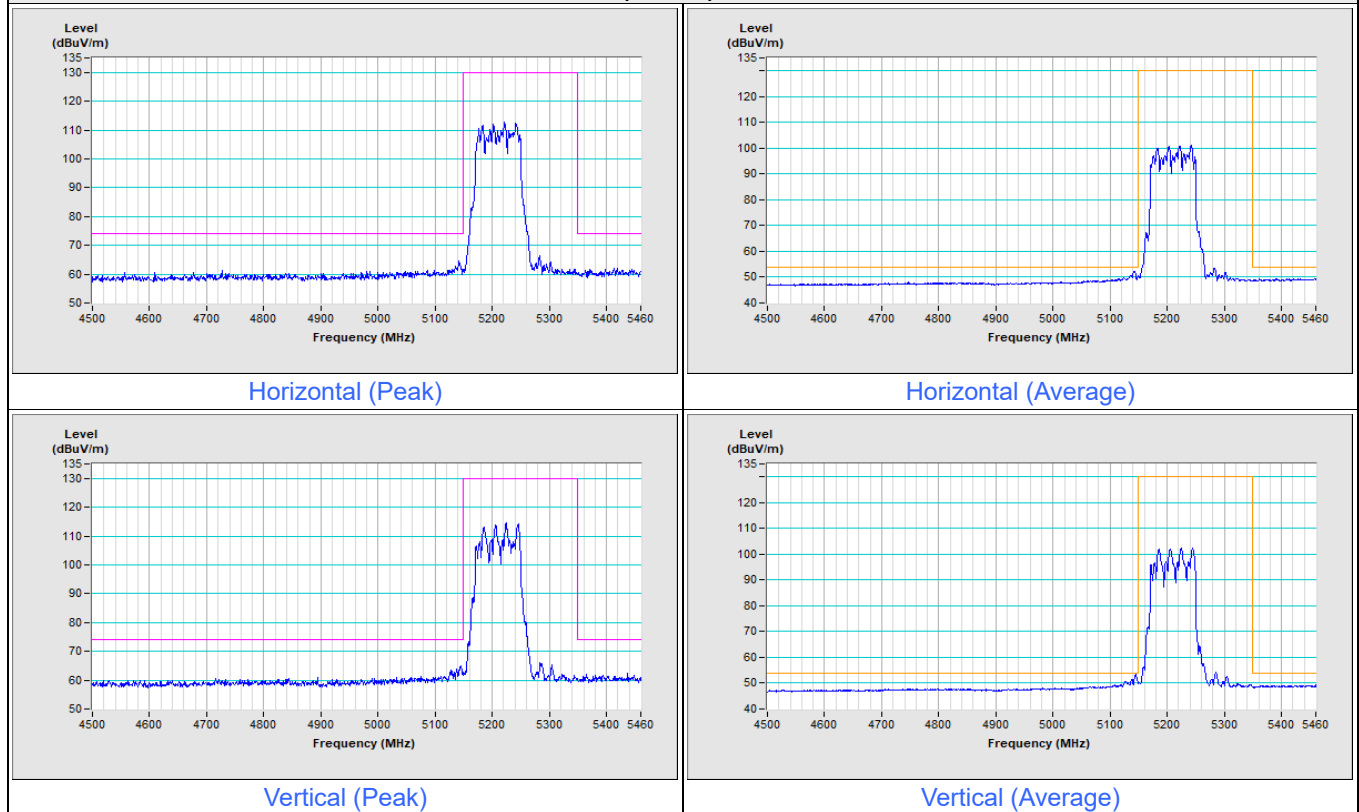


802.11be (EHT40) Channel 159



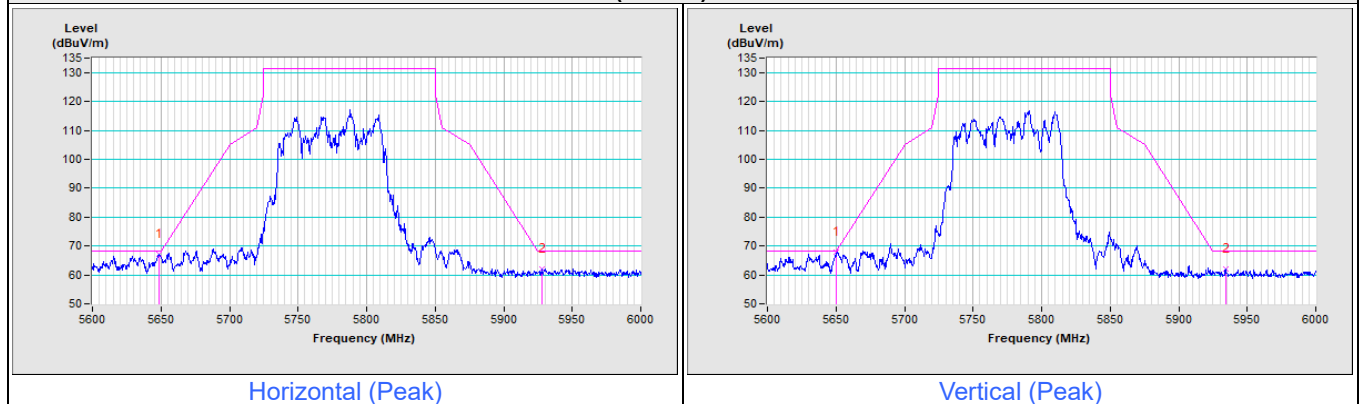
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11be (EHT80) Channel 42



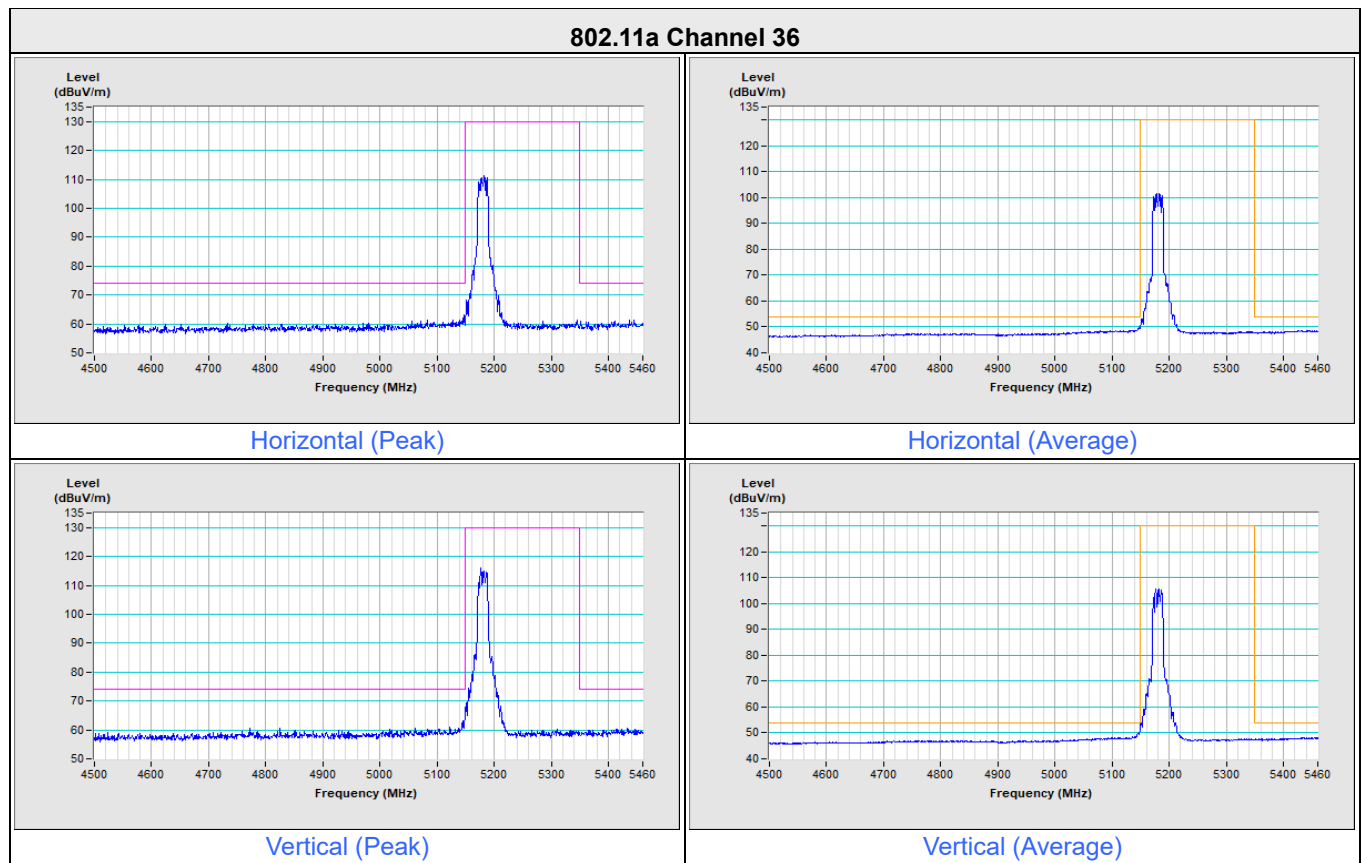
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11be (EHT80) Channel 155

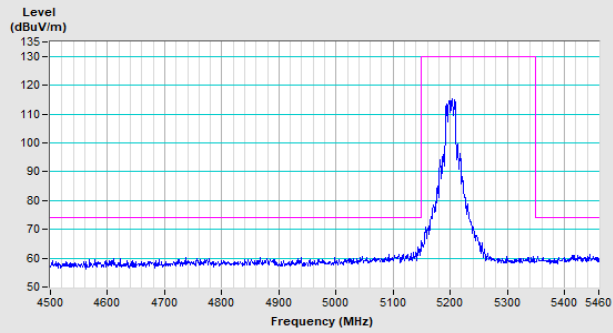


Scan Radio (Mode B)

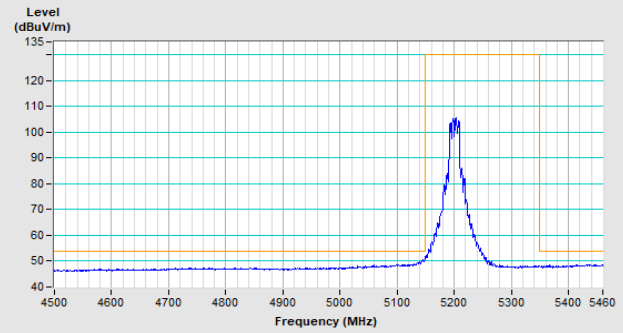
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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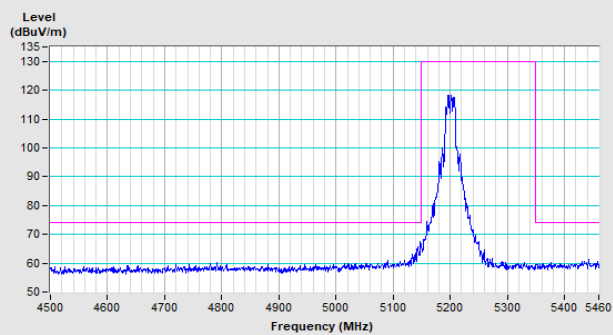
802.11a Channel 40



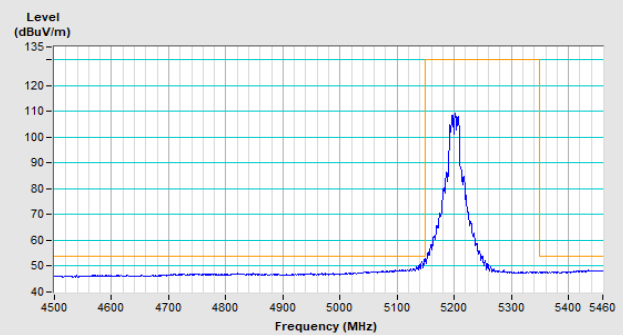
Horizontal (Peak)



Horizontal (Average)

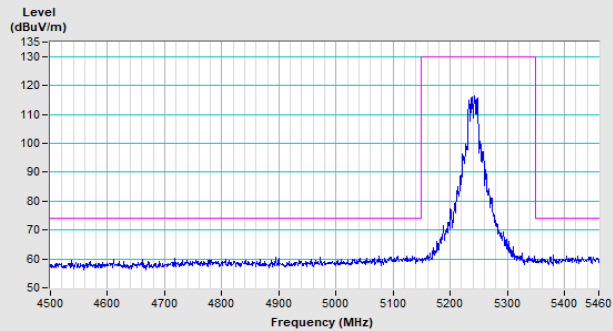


Vertical (Peak)

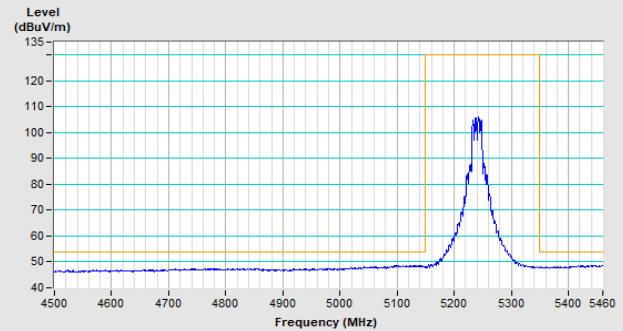


Vertical (Average)

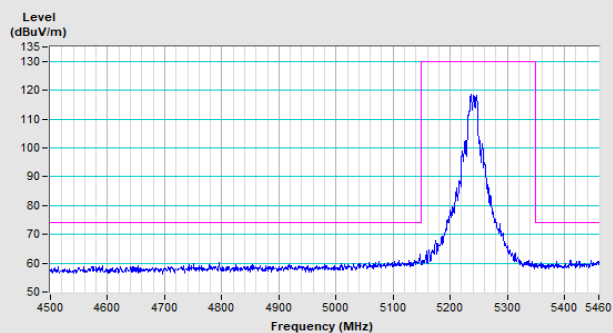
802.11a Channel 48



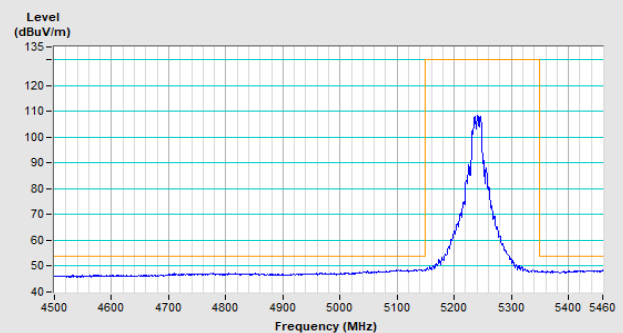
Horizontal (Peak)



Horizontal (Average)



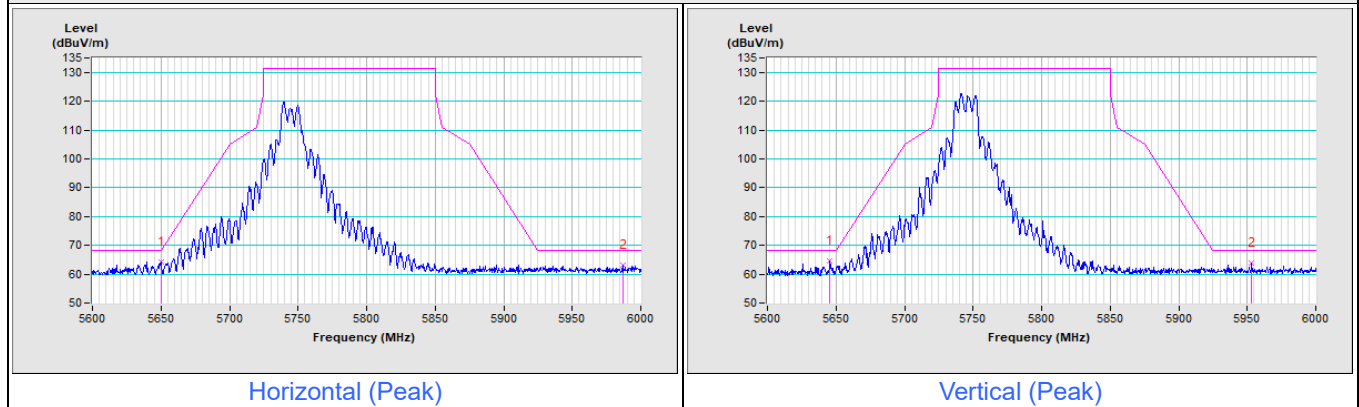
Vertical (Peak)



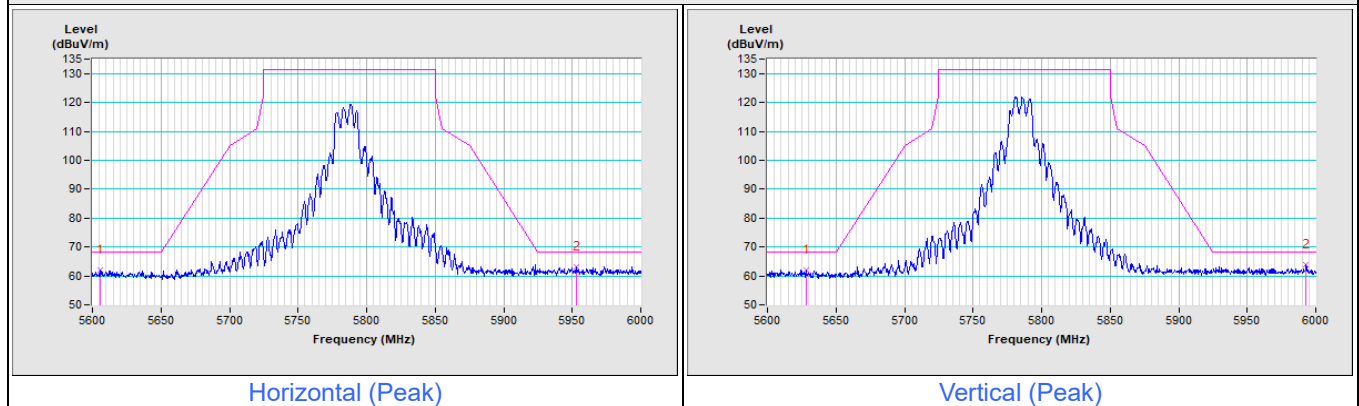
Vertical (Average)

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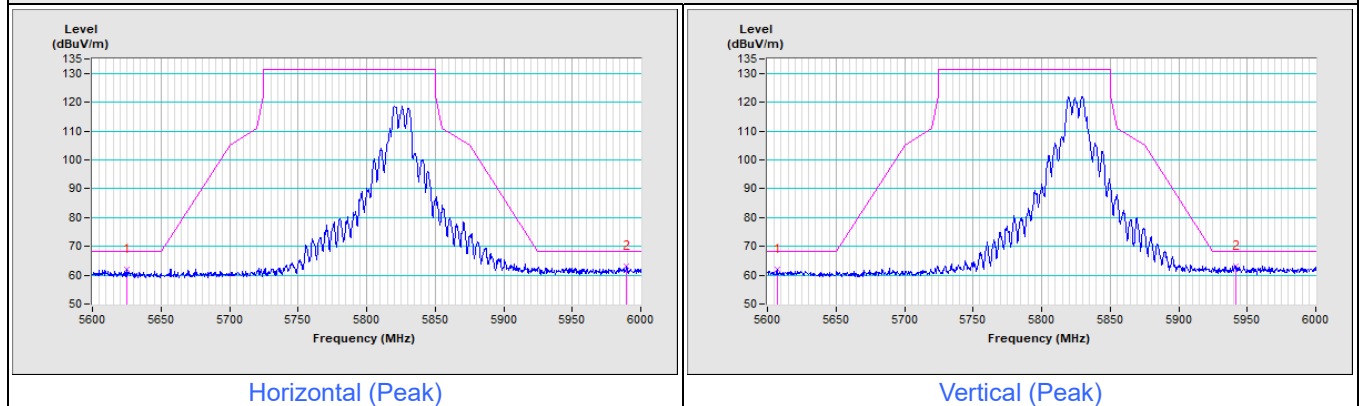
802.11a Channel 149



802.11a Channel 157

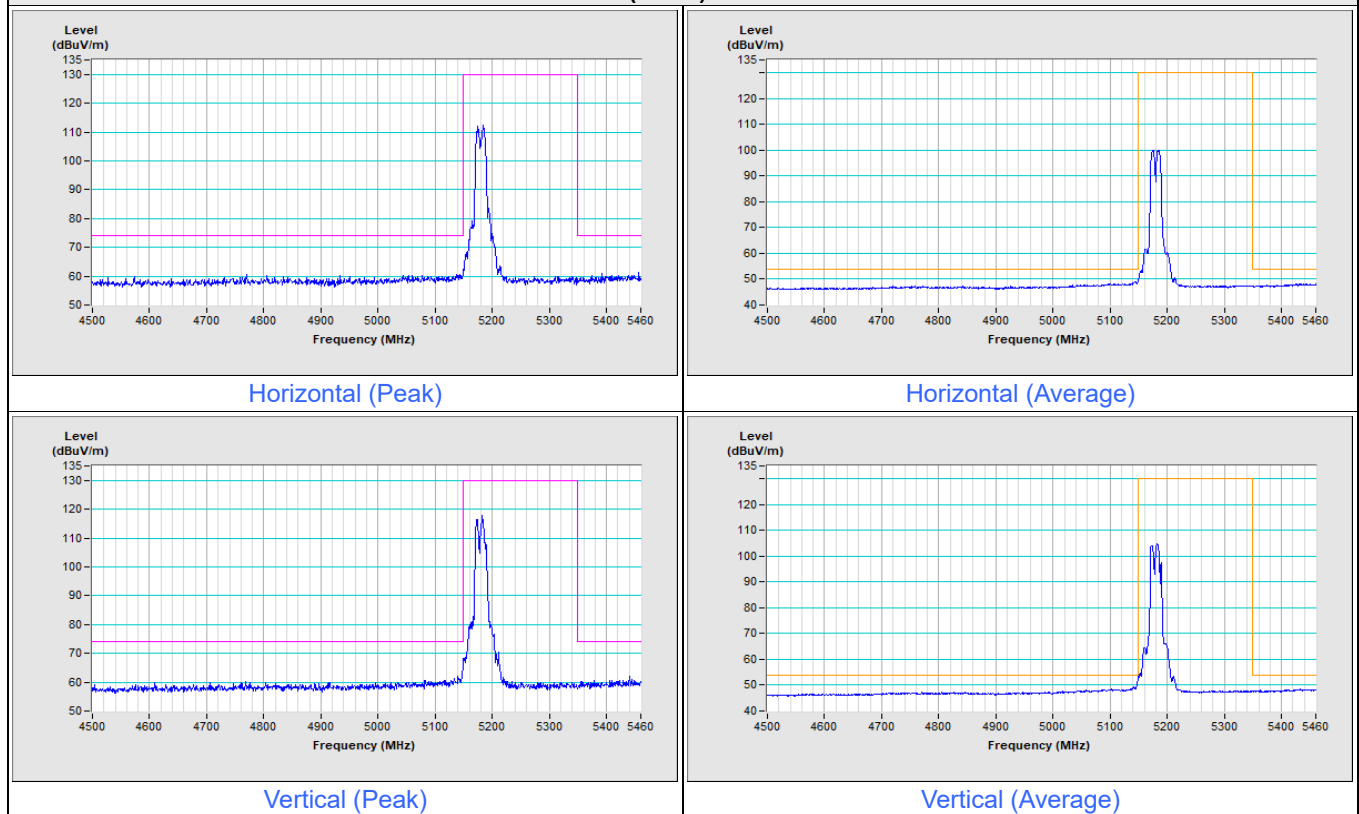


802.11a Channel 165

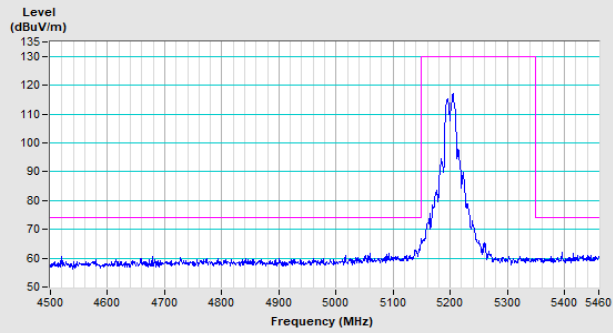


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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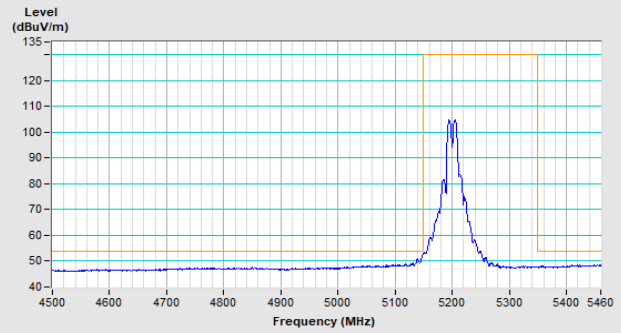
802.11ax (HE20) Channel 36



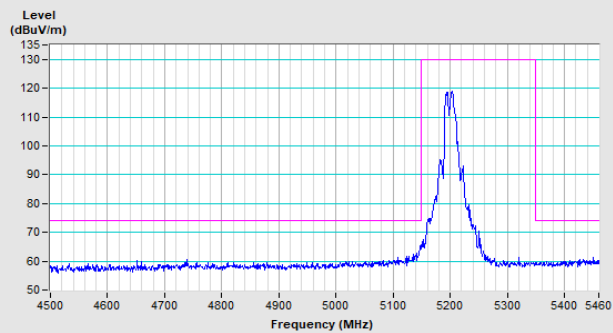
802.11ax (HE20) Channel 40



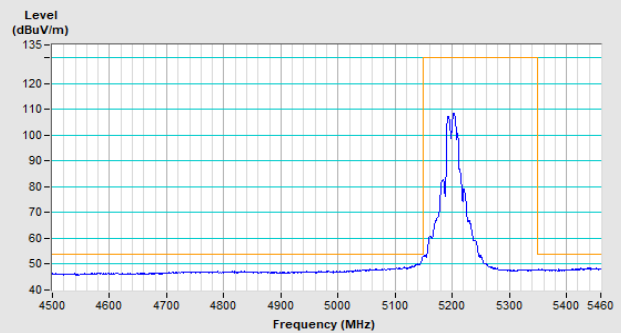
Horizontal (Peak)



Horizontal (Average)

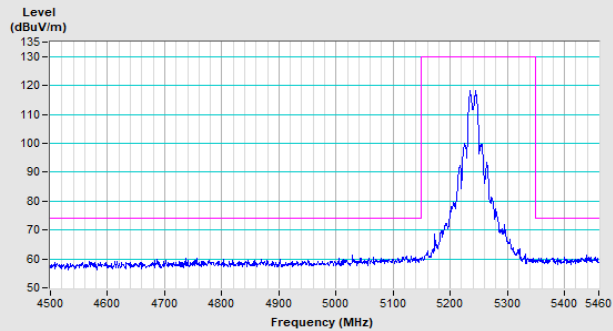


Vertical (Peak)

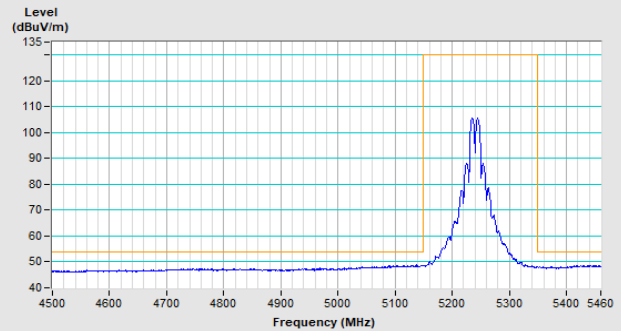


Vertical (Average)

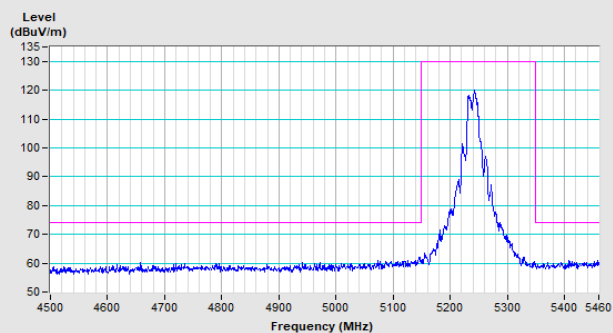
802.11ax (HE20) Channel 48



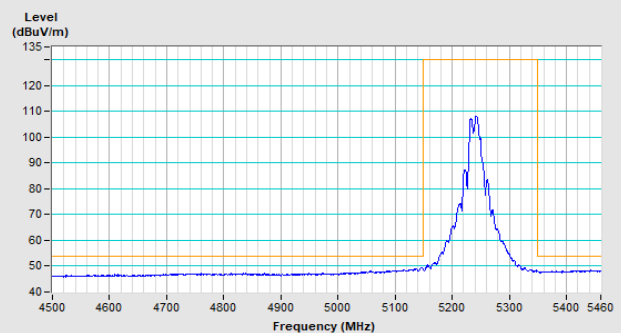
Horizontal (Peak)



Horizontal (Average)



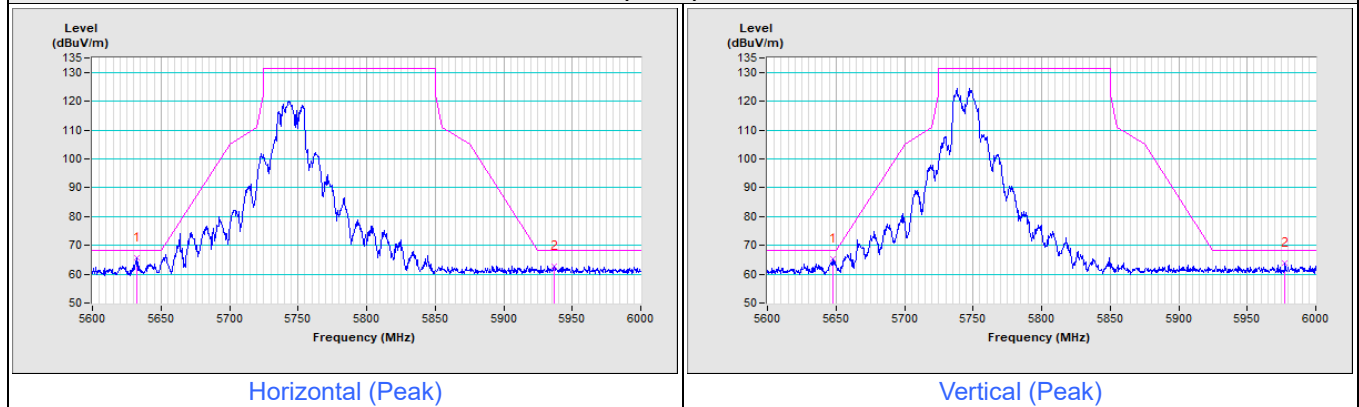
Vertical (Peak)



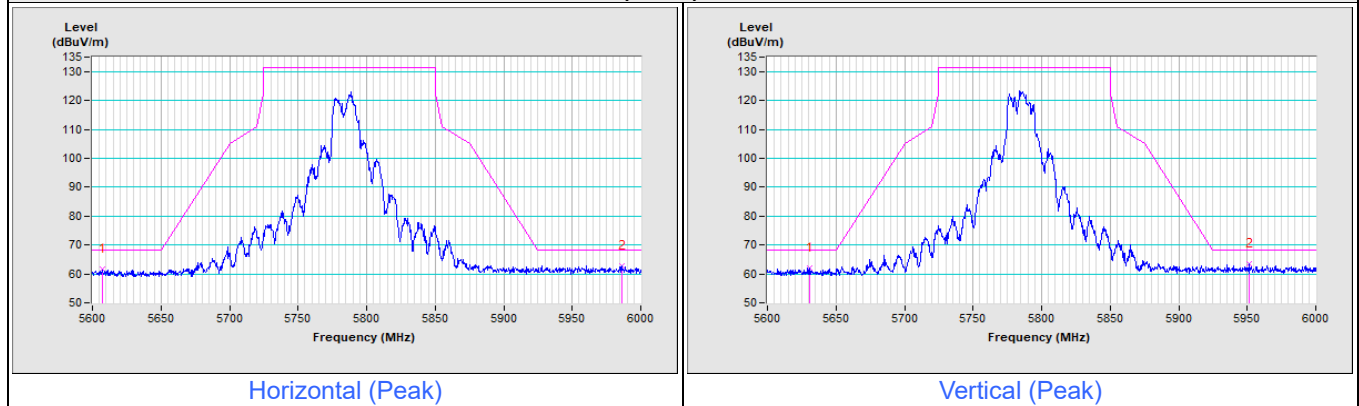
Vertical (Average)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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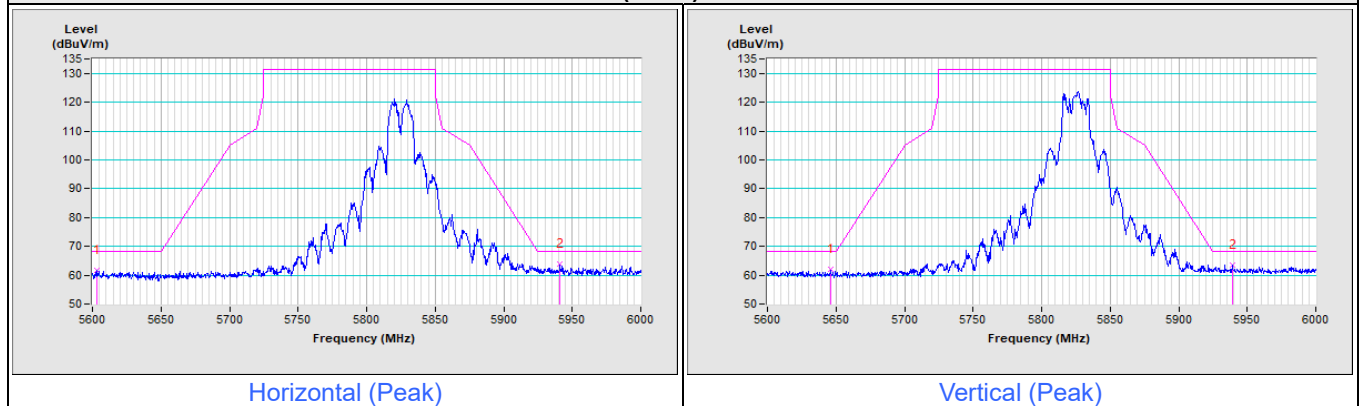
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

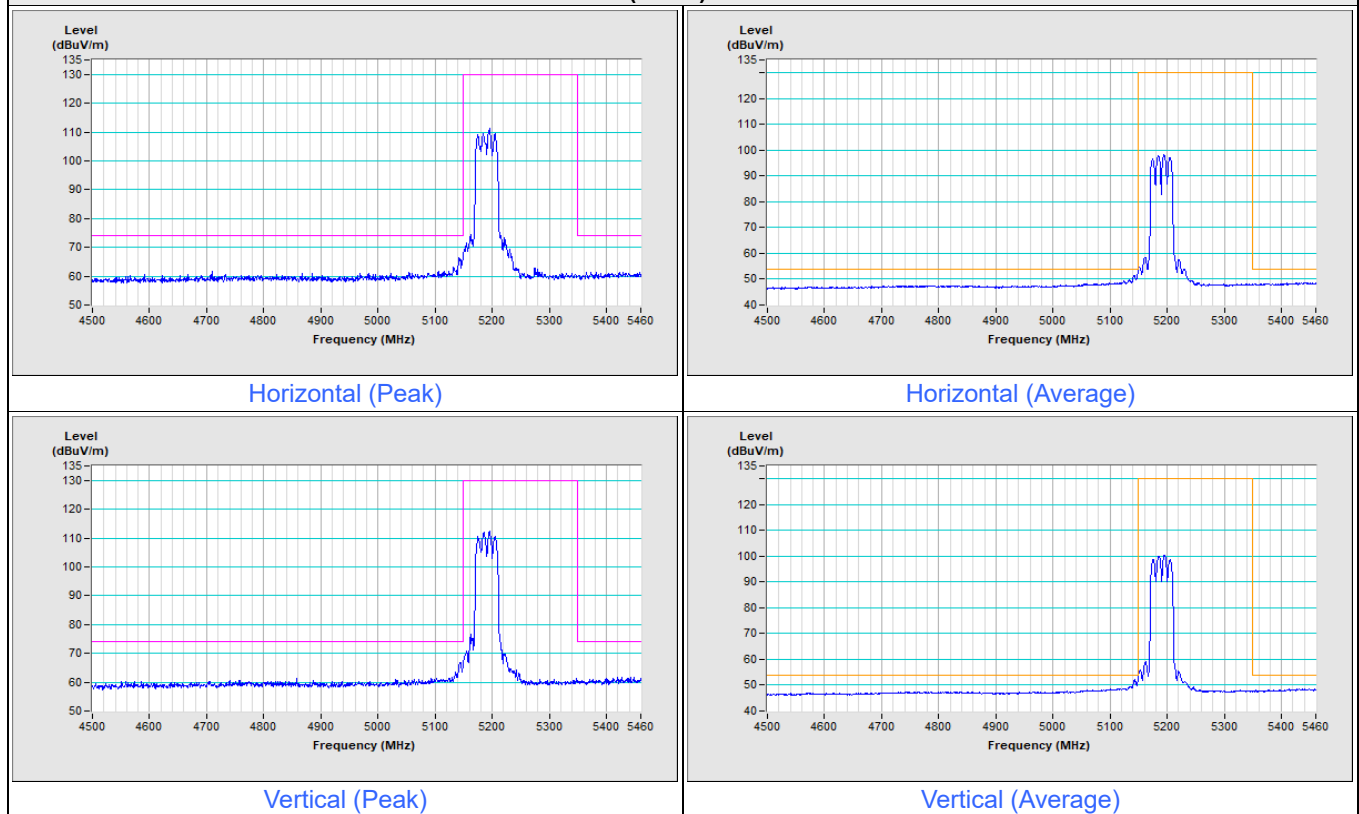


802.11ax (HE20) Channel 165

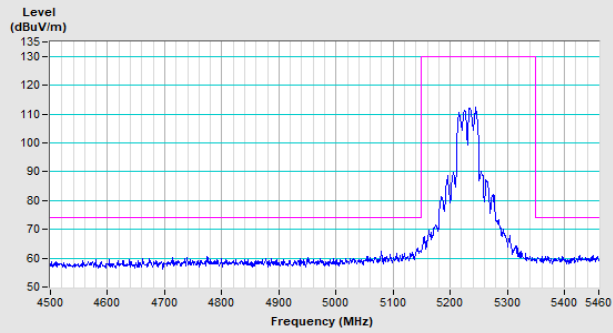


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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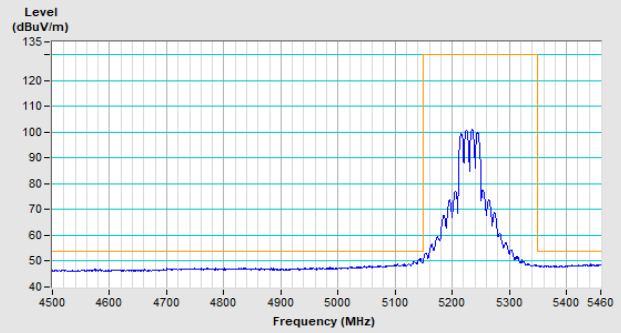
802.11ax (HE40) Channel 38



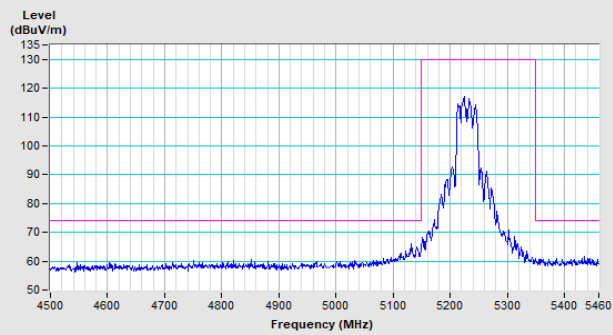
802.11ax (HE40) Channel 46



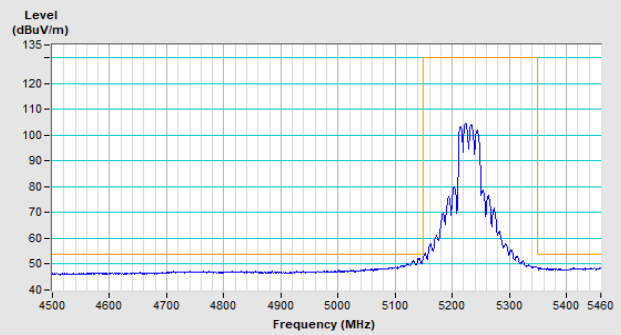
Horizontal (Peak)



Horizontal (Average)



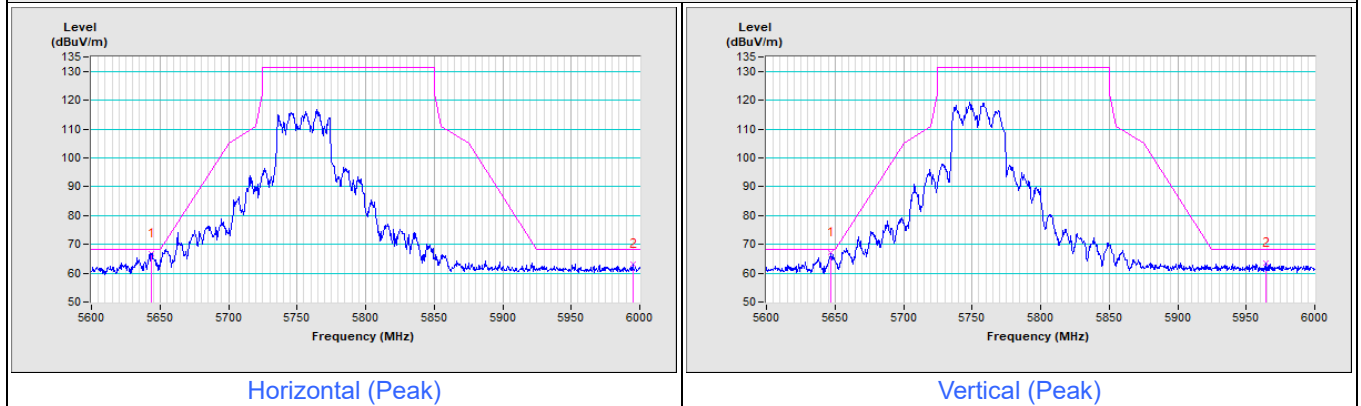
Vertical (Peak)



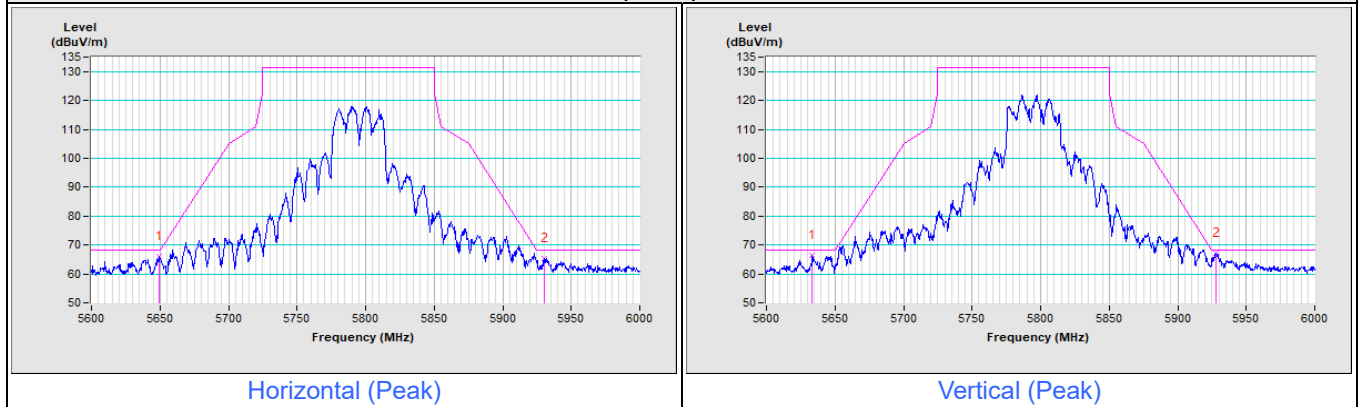
Vertical (Average)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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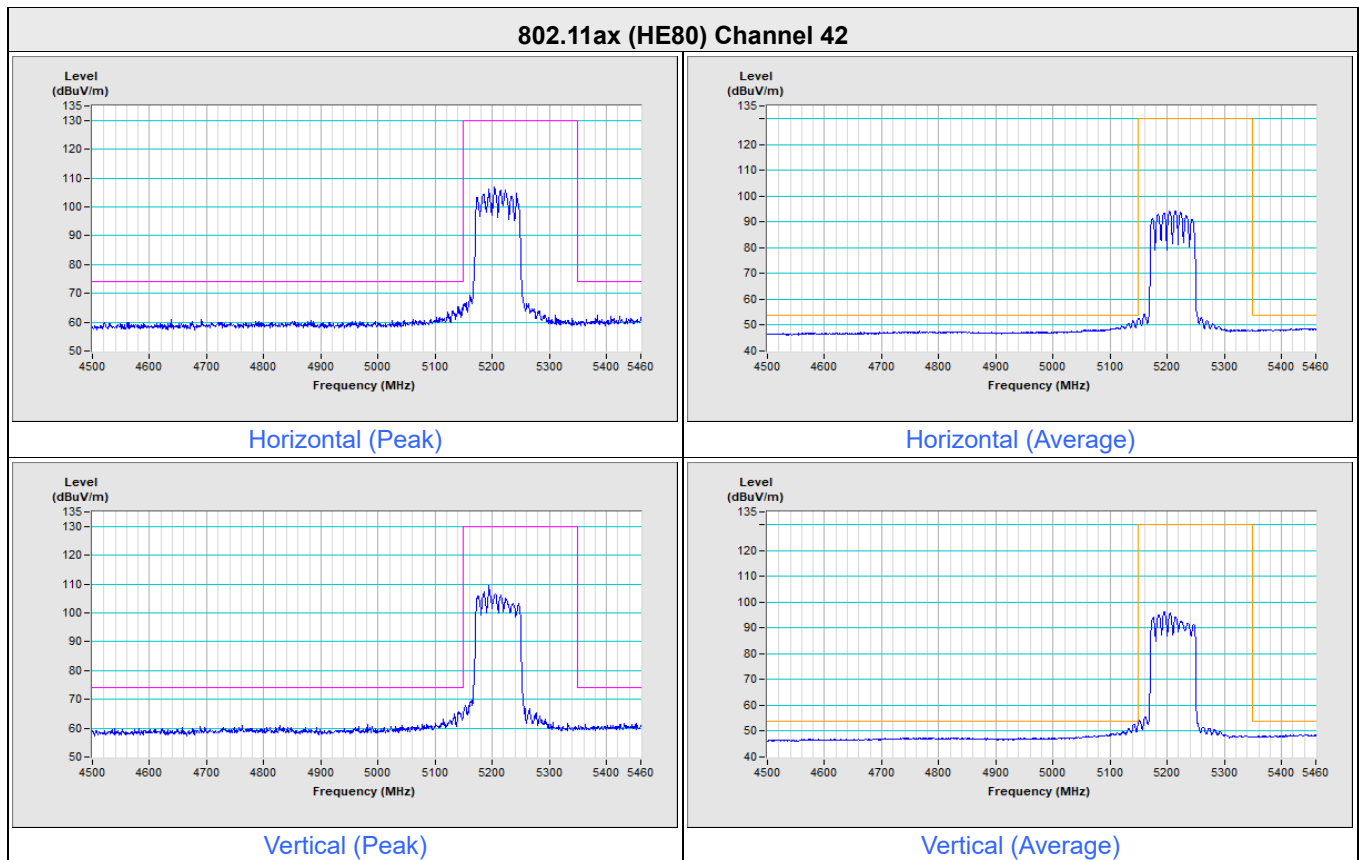
802.11ax (HE40) Channel 151



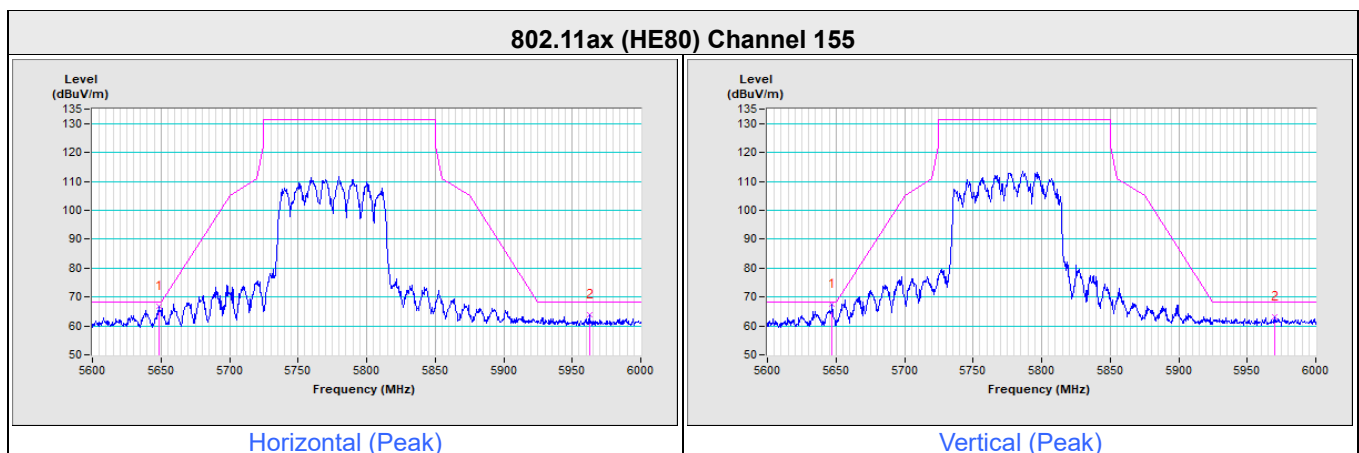
802.11ax (HE40) Channel 159



Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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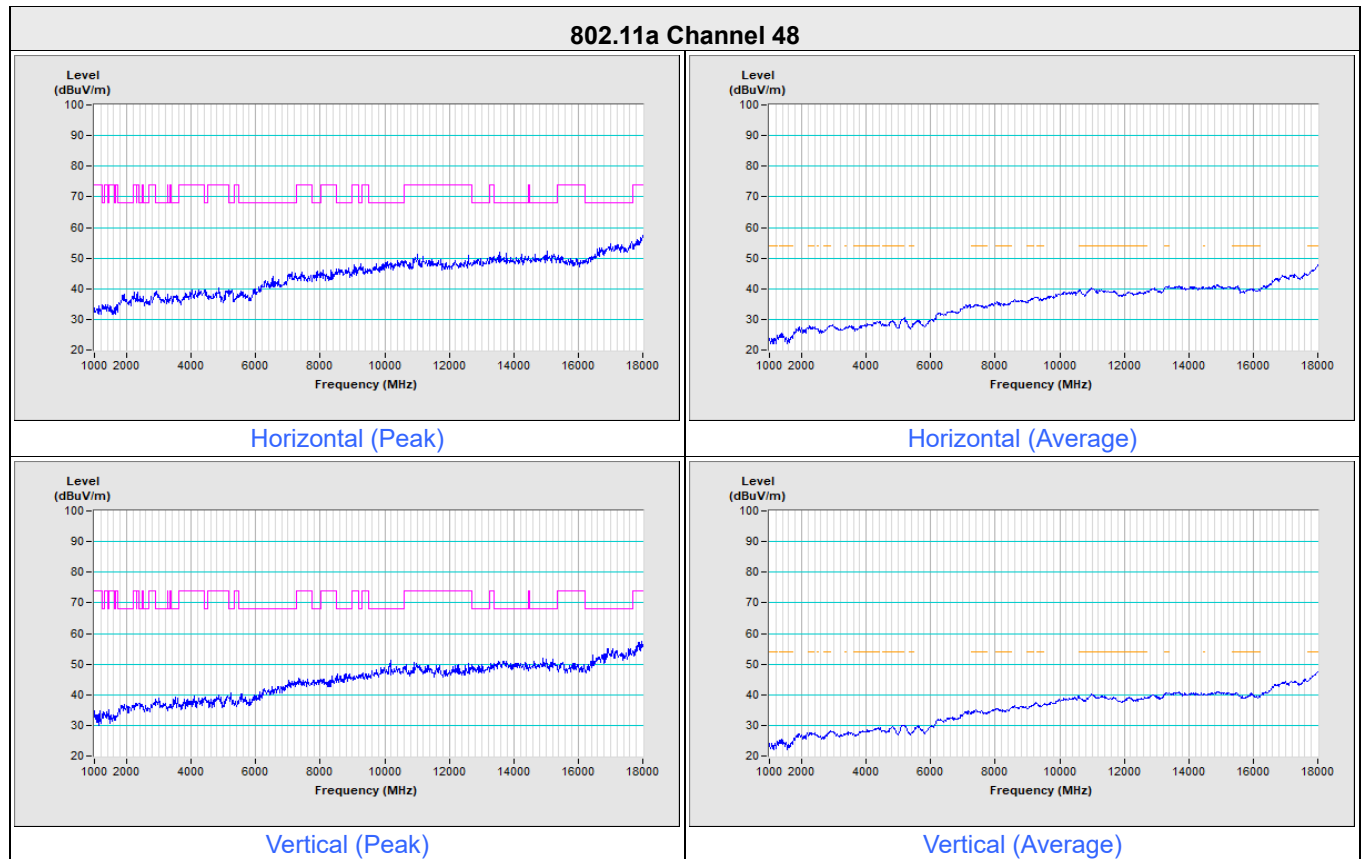
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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Plot of Other Emission

Traffic Radio (Mode A)

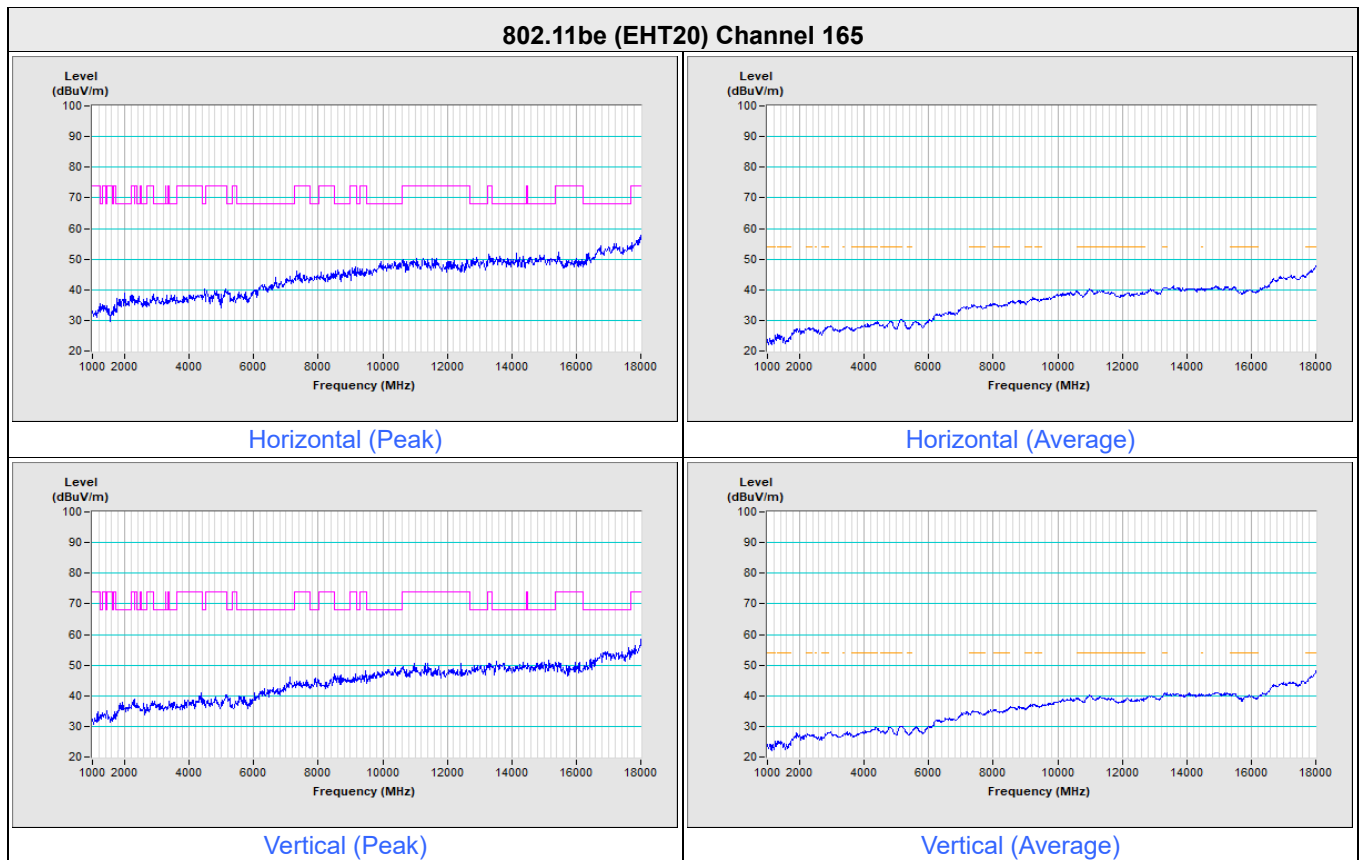
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

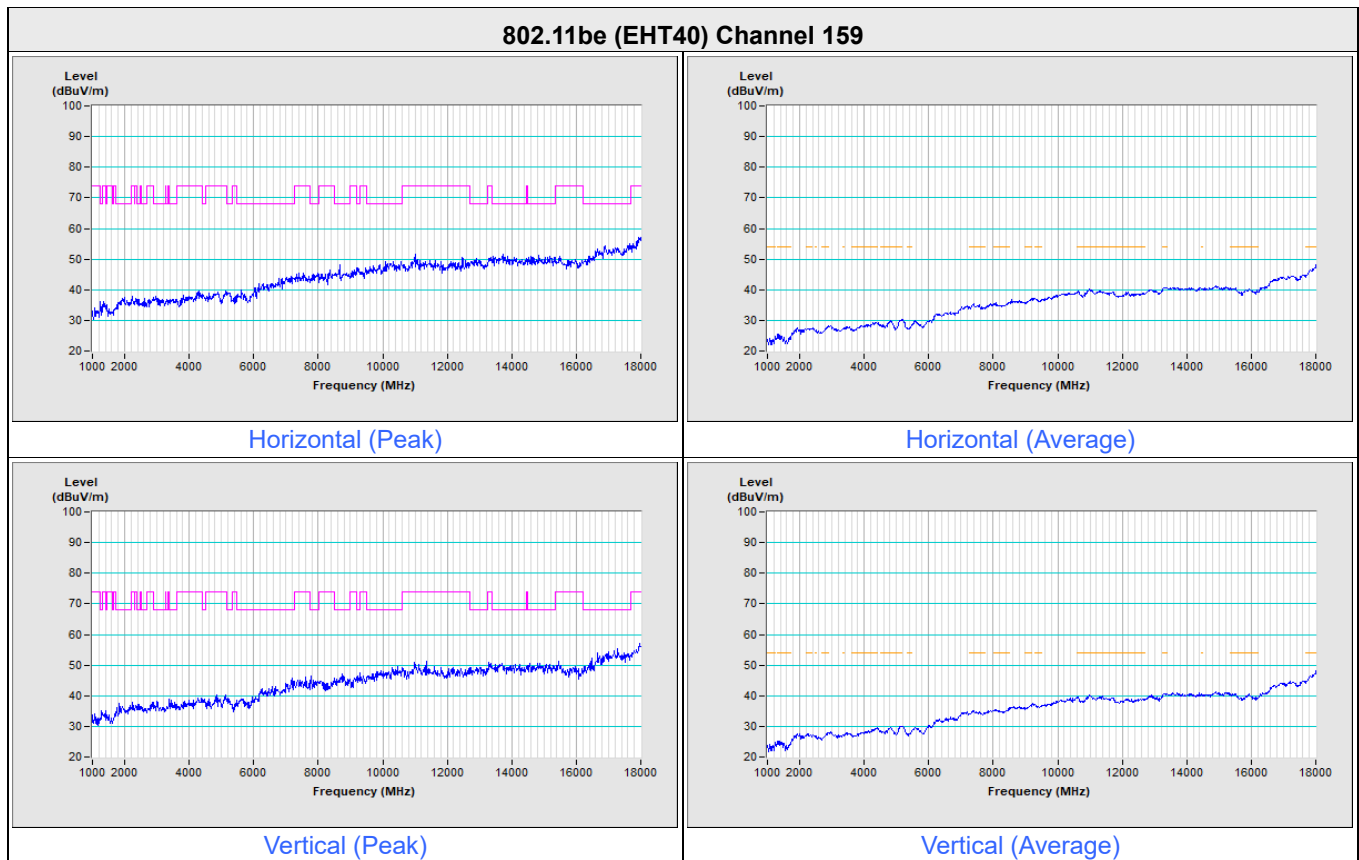
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

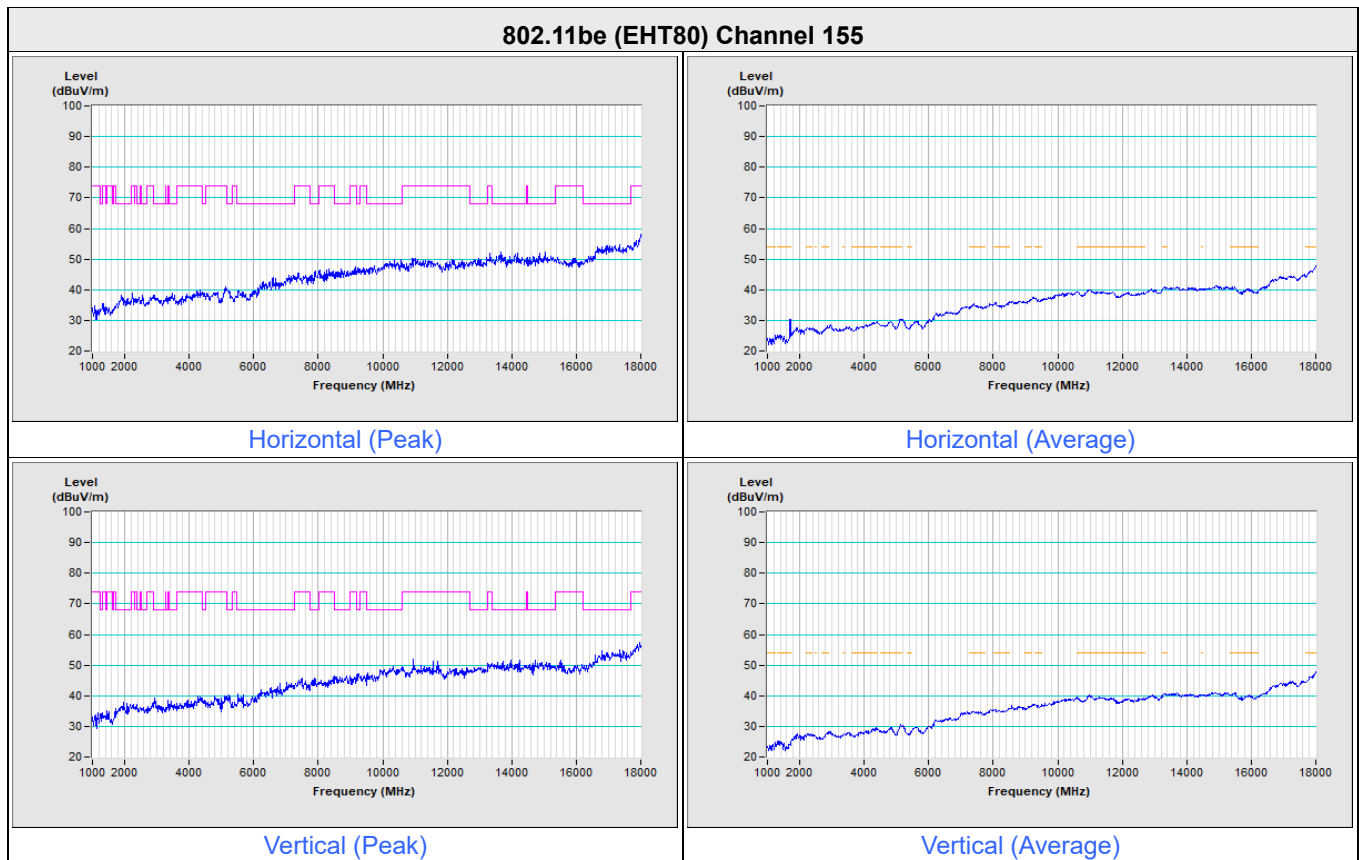
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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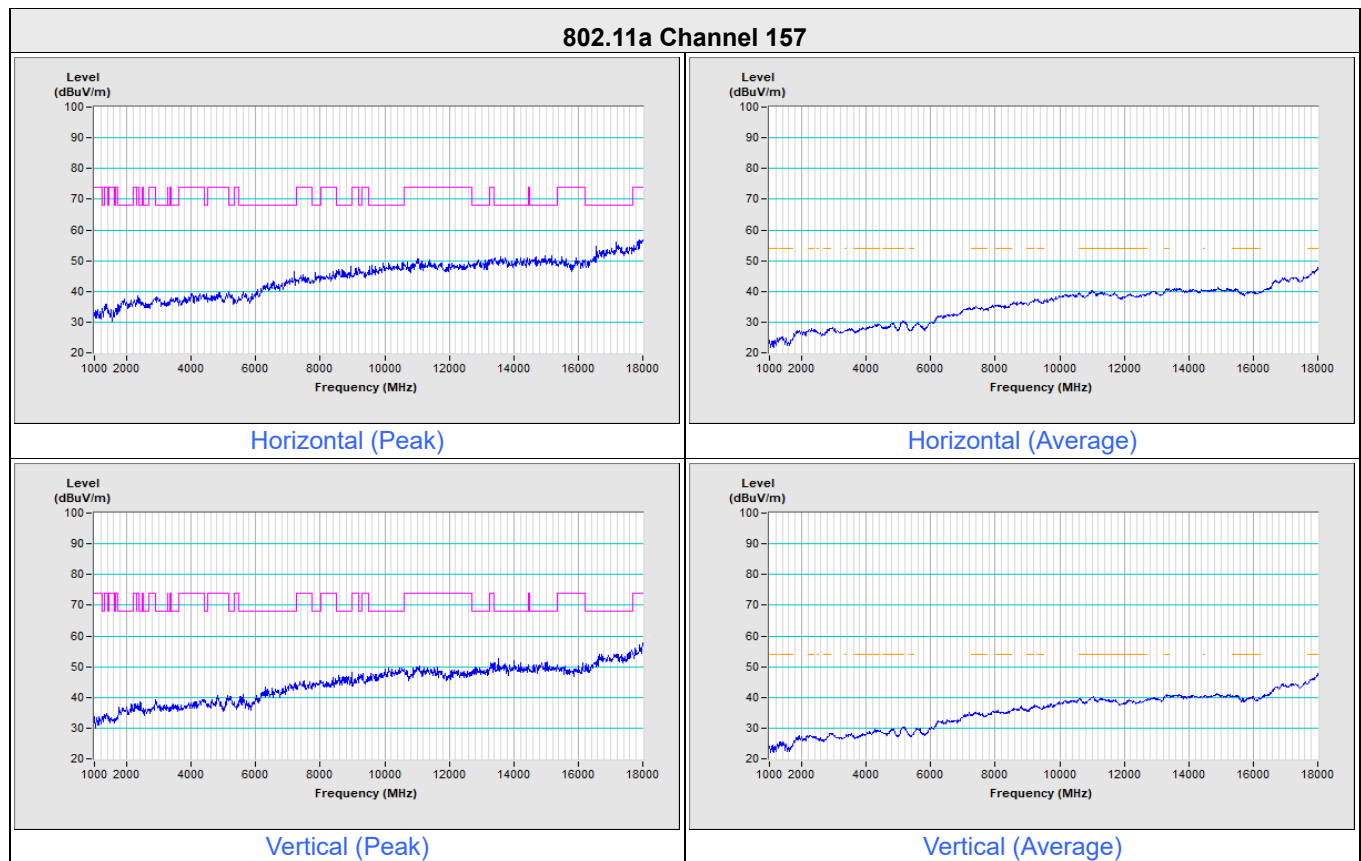


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Scan Radio (Mode B)

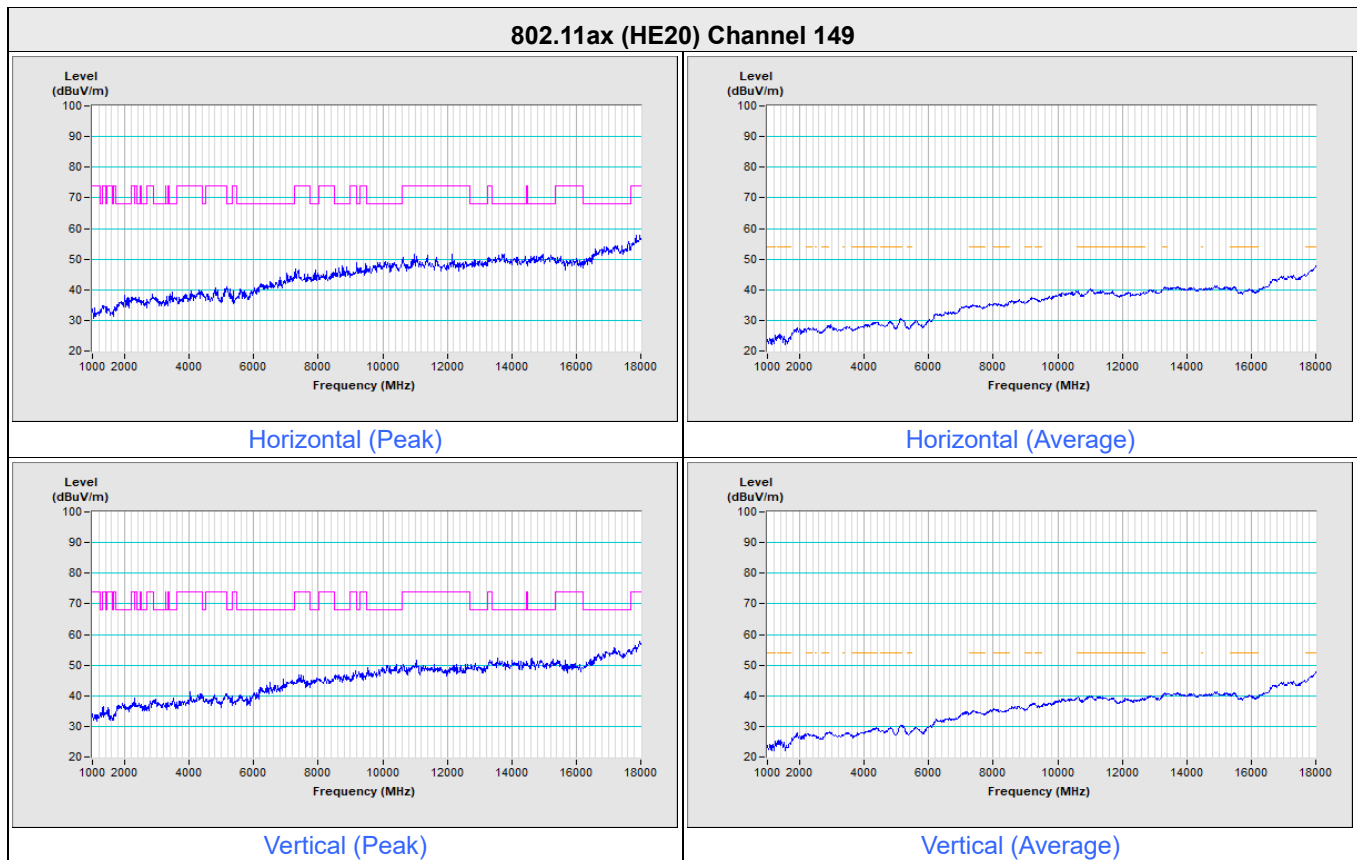
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

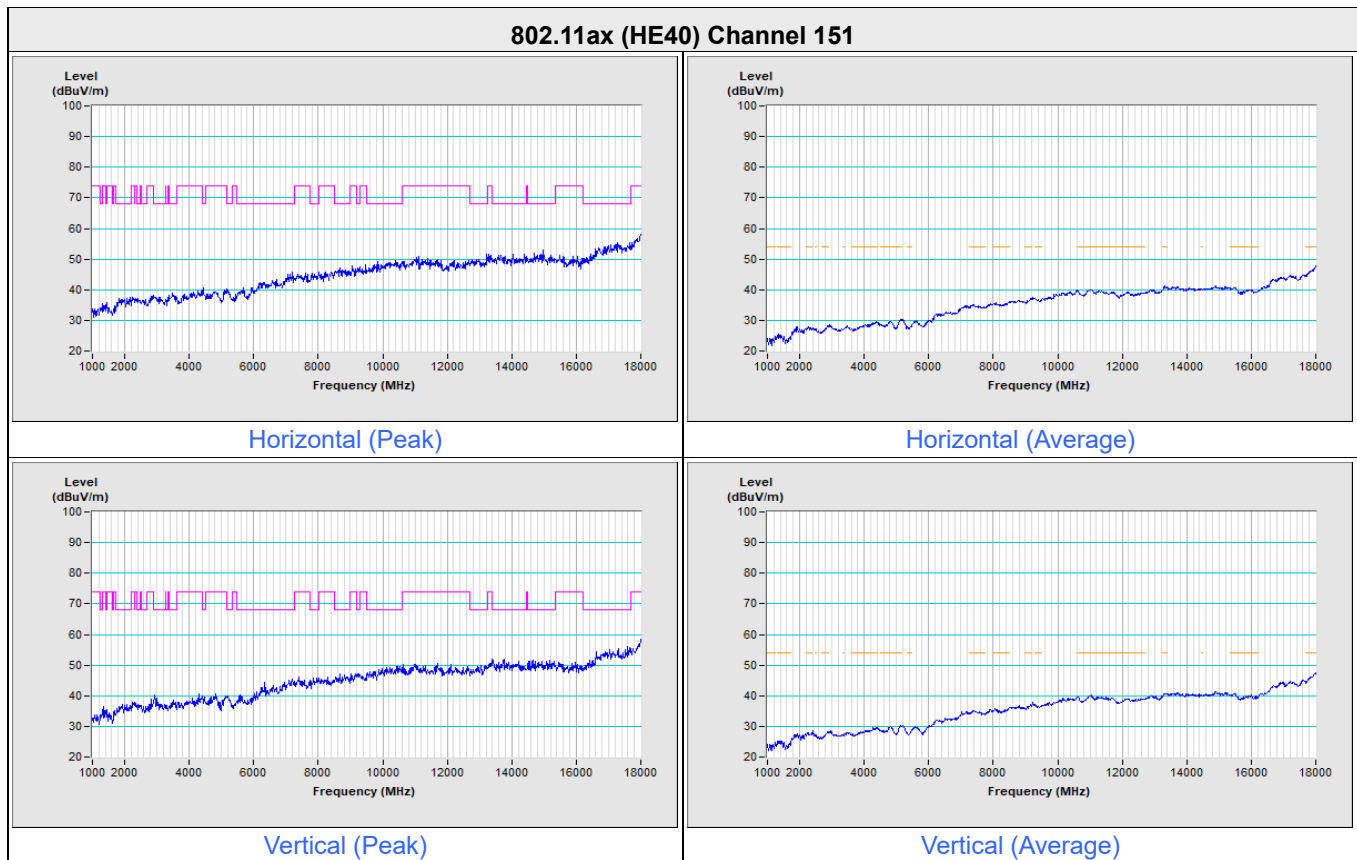
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

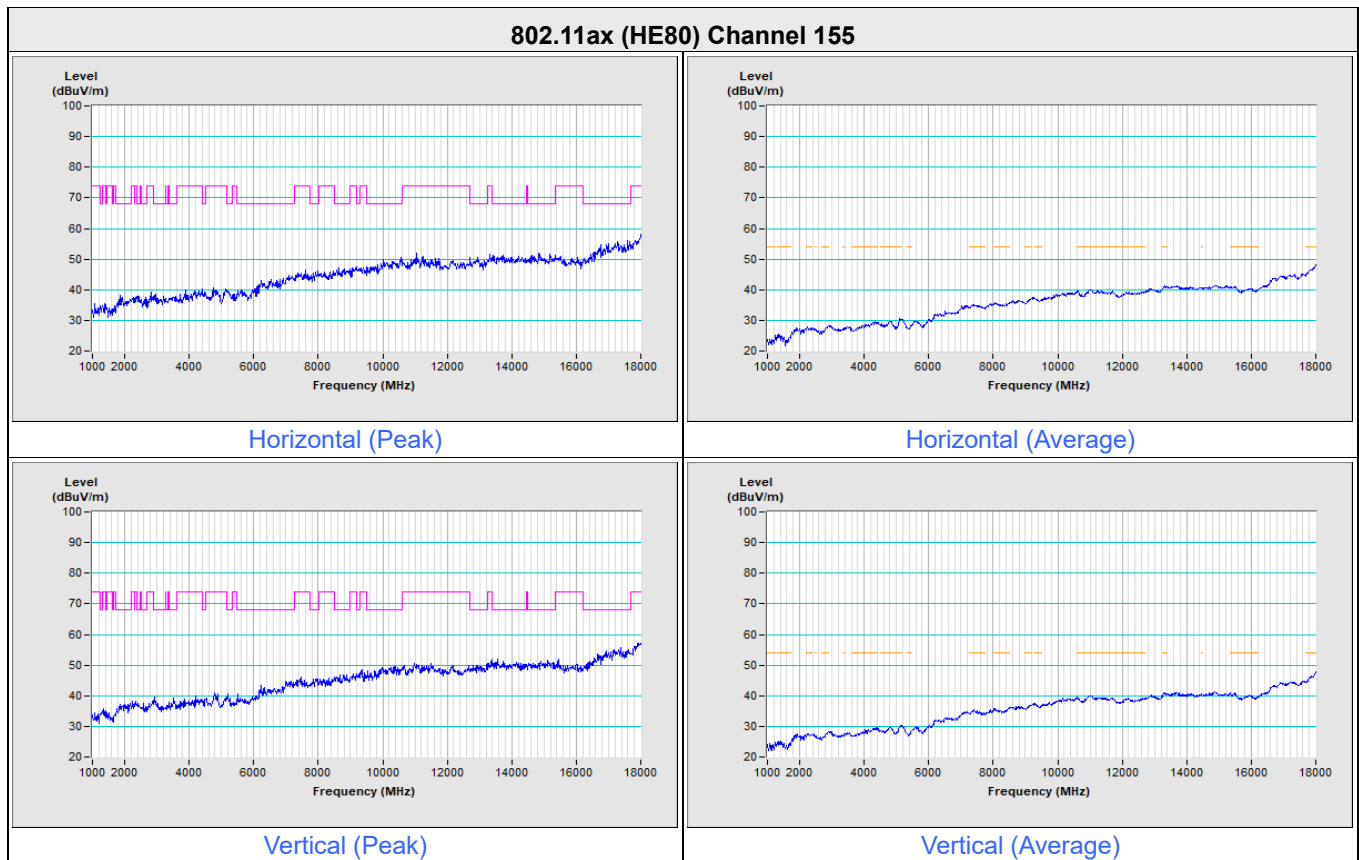
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

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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Email: service.adt@bureauveritas.com

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

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

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