

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBHKO-WTW-P25070640-3 R2

FCC ID: DD4IMXBP

Product: UC Wall

Brand:



Model No.: IMXBP

Received Date: 2025/8/1

Test Date: 2025/9/22 ~ 2025/9/30 & 2025/12/19

Issued Date: 2025/12/22

Applicant: Shure Incorporated

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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FCC Registration / 198487 / TW2021

Designation Number:

Approved by:

Jeremy Lin

Date:

2025/12/22

Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist

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Report No.: RFBHKO-WTW-P25070640-3 R2

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Report Format Version: 7.1.2

Reference No.: BHKO-WTW-P25070640

Cancels and replaces the report No.: RFBHKO-WTW-P25070640-3 R1 dated 2025/12/9

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Release Control Record

Issue No.	Description	Date Issued
RFBHKO-WTW-P25070640-3	Original release.	2025/11/25
RFBHKO-WTW-P25070640-3 R1	Modify Unwanted Emissions below 1 GHz test data.	2025/12/9
RFBHKO-WTW-P25070640-3 R2	Modify Unwanted Emissions below 1 GHz test data.	2025/12/22

1 Certificate

Product: UC Wall

Brand:



Test Model: IMXBP

Sample Status: Engineering sample

Applicant: Shure Incorporated

Test Date: 2025/9/22 ~ 2025/9/30 & 2025/12/19

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

Measurement ANSI C63.10-2020

procedure: KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -7.38 dB at 0.15000 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing FCC Part 15, Subpart B Class A margin is -3.1 dB at 40.67 MHz (Refer to Note 3)
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5150.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The "Dynamic Frequency Selection measurement" was recorded in DFS test report.
3. Provide the Class A emission spectra (with TX off) to show they are non-RF related.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.55 dB
	30 MHz ~ 1 GHz	5.77 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 6 GHz	4.71 dB
	6 GHz ~ 18 GHz	5.3 dB
	18 GHz ~ 40 GHz	4.98 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	UC Wall
Brand	
Test Model	IMXBP
Status of EUT	Engineering sample
Power Supply Rating	Refer to note as below
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 1201.0 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz, 5.26 GHz ~ 5.32 GHz, 5.5 GHz ~ 5.72 GHz, 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	5.18 GHz ~ 5.24 GHz: 49.541 mW (16.95 dBm) 5.26 GHz ~ 5.32 GHz: 47.161 mW (16.74 dBm) 5.5 GHz ~ 5.72 GHz: 46.135 mW (16.64 dBm) 5.745 GHz ~ 5.825 GHz: 46.939 mW (16.72 dBm)
EUT Category	Client device

Note:

1. IMXBP is the regulatory model number, which includes two product numbers IMXBP-B and IMXBP-W, they are completely same except enclosure color.
2. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter	MASS POWER	E250-1A5400460B3	AC Input: 100-240Vac, 50/60Hz, 3.5A DC Output: 54Vdc, 4.6A, 248.4W Non-shielded AC cable without core, 1m Non-shielded DC cable with 1 core, 1.2m
RJ45 Cable	-	-	Non-shielded without core, 3m
HDMI Cable	-	-	Shielded without core, 2m
Type C Cable	-	-	Shielded without core, 1.8m

3. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technologies used for the EUT.
4. Bluetooth, WLAN 2.4 GHz & WLAN 5 GHz technologies cannot transmit at same time.
5. The EUT does not support Partial RU technology.
6. 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.

RF Chain NO.	Frequency range (GHz)	Gain (dBi)	Antenna Type	Connector Type
0	5.15~5.85	4.94	Dipole	ipex(MHF)
1	5.15~5.85	4.85	Dipole	ipex(MHF)

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX

Note:

- 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.
- The EUT does not use channel puncturing and bandwidth reduction.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ac (VHT20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ac (VHT40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ac (VHT80)	CDD	58, 106, 122, 138	BPSK	MCS0
	802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	CDD	58, 106, 122, 138	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
AC Power Conducted Emissions	802.11ax (HE40)	CDD	46	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE40)	CDD	46	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0

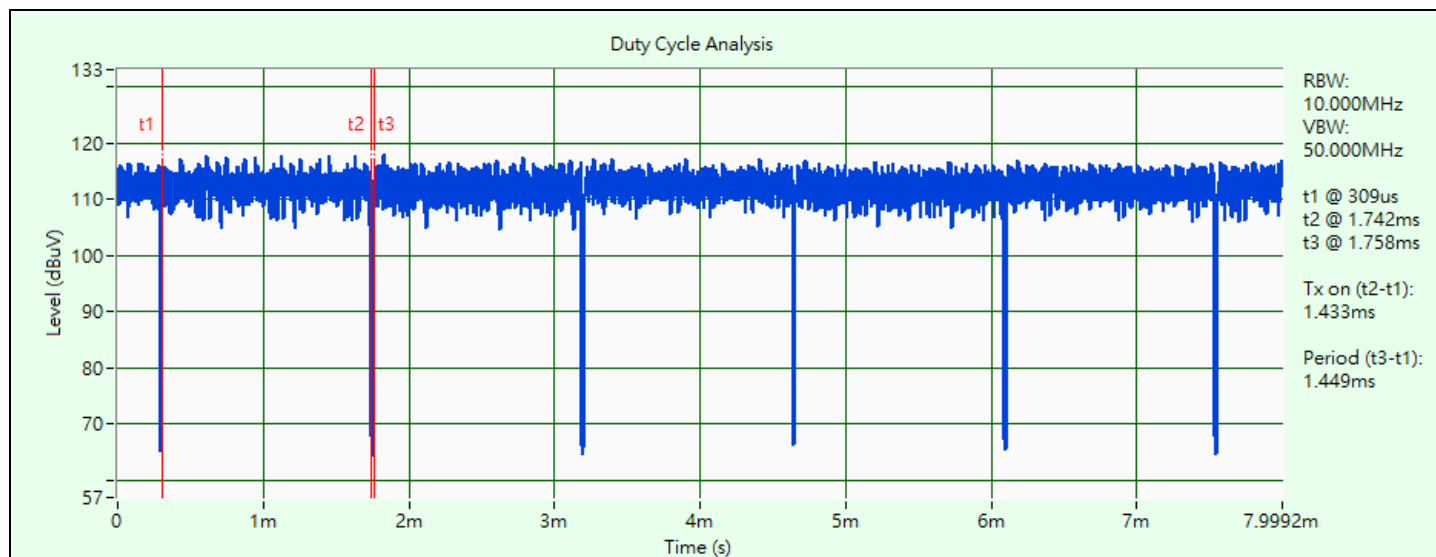
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 1.433 ms / 1.449 ms x 100% = 98.9%

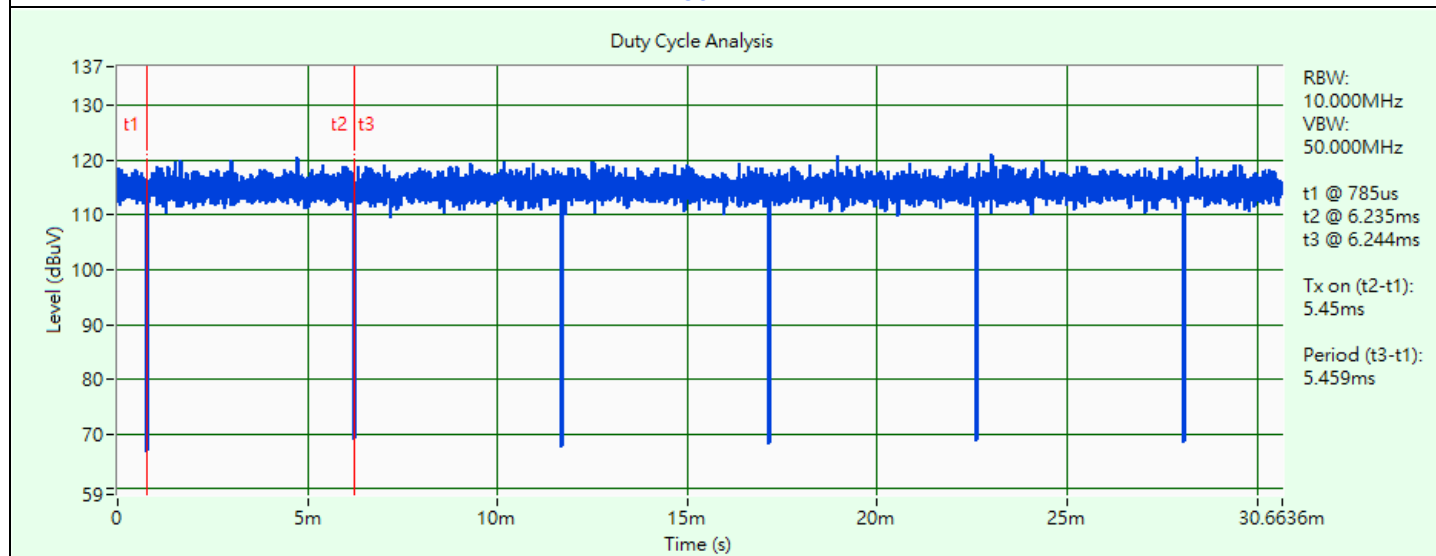
802.11ax (HE20): Duty cycle = 5.45 ms / 5.459 ms x 100% = 99.8%

802.11ax (HE40): Duty cycle = 5.45 ms / 5.459 ms x 100% = 99.8%

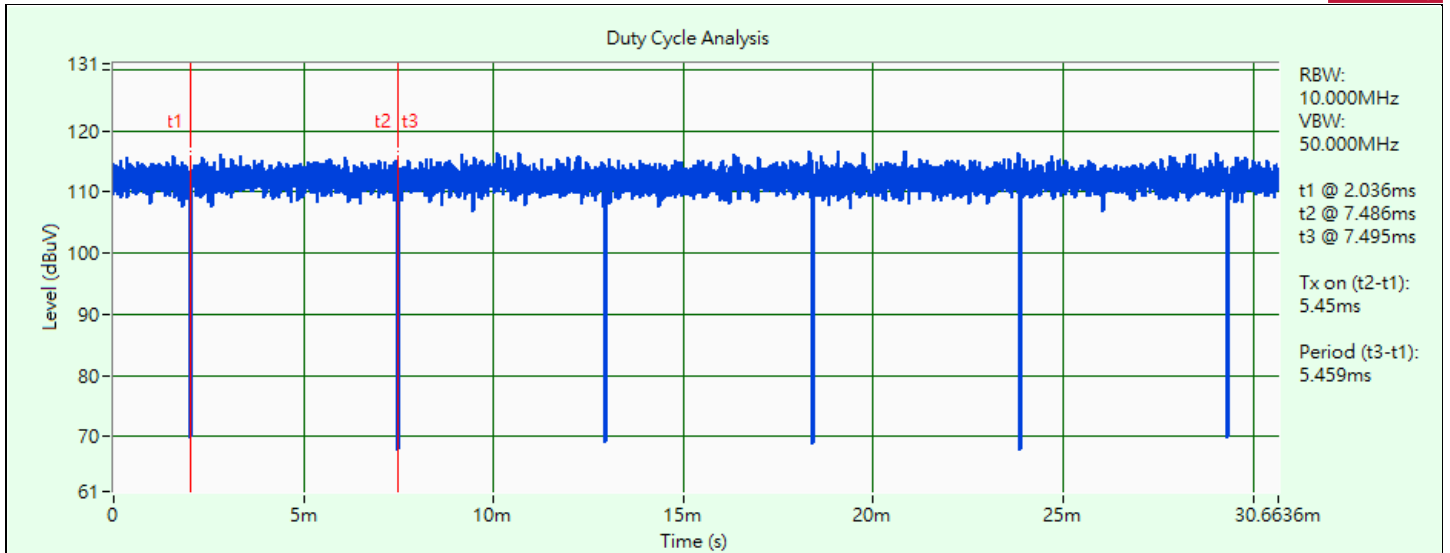
802.11ax (HE80): Duty cycle = 5.446 ms / 5.461 ms x 100% = 99.7%



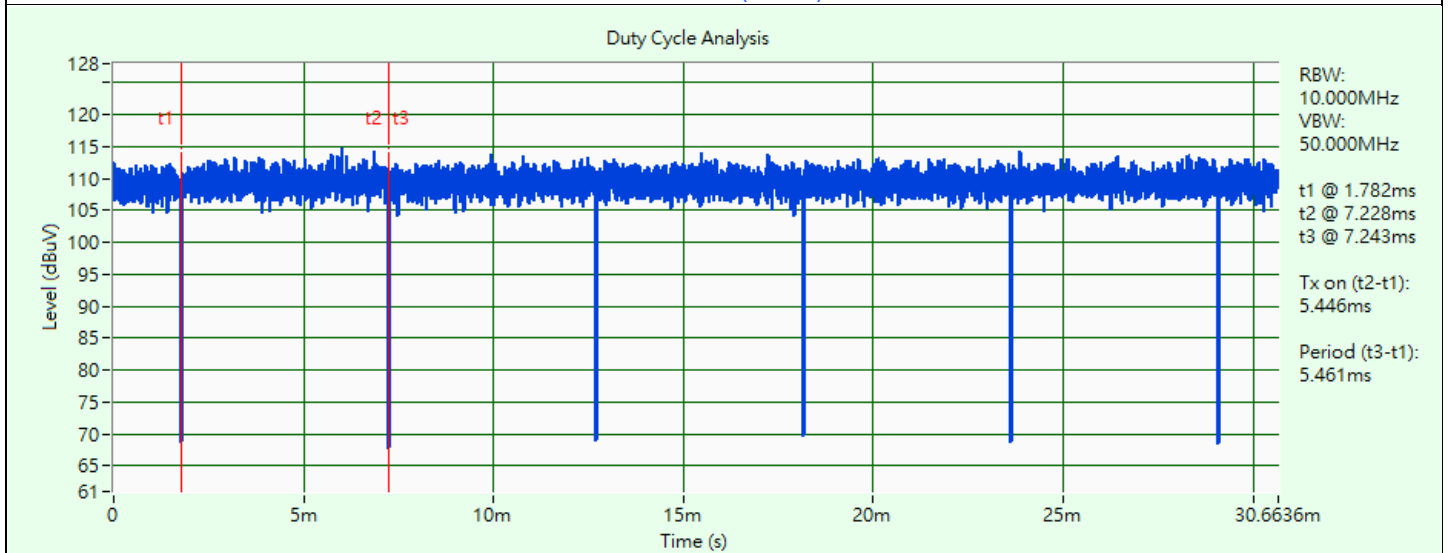
802.11a



802.11ax (HE20)



802.11ax (HE40)

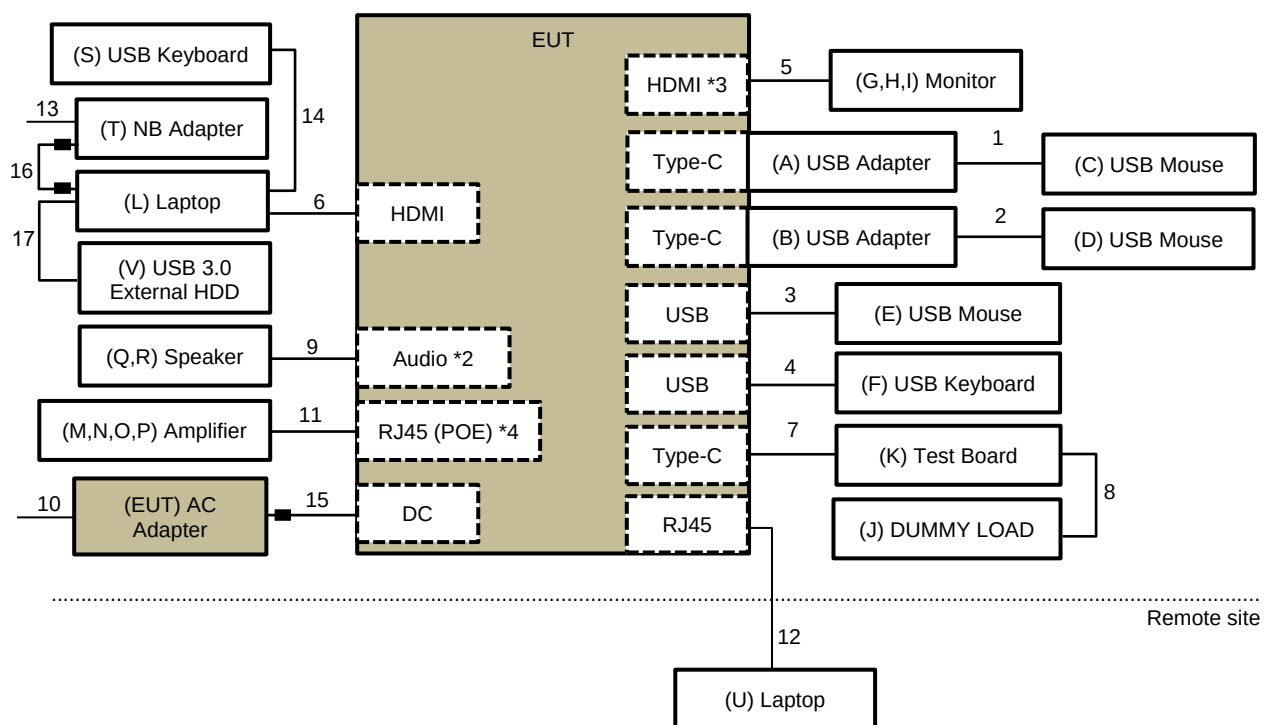


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software (WLAN QRCT Module 4.0.00156.0) 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	USB Adapter	i-gota	UTC180	N/A	N/A	Provided by Lab
B	USB Adapter	i-gota	UTC180	N/A	N/A	Provided by Lab
C	USB Mouse	DELL	MOCZUL	N/A	N/A	Provided by Lab
D	USB Mouse	DELL	MOCZUL	N/A	N/A	Provided by Lab
E	USB Mouse	DELL	MOCZUL	N/A	N/A	Provided by Lab
F	USB Keyboard	DELL	KB216	N/A	N/A	Provided by Lab
G	Monitor	ASUS	MG28UQ	N/A	N/A	Provided by Lab
H	Monitor	ASUS	MG28U	N/A	N/A	Provided by Lab
I	Monitor	ASUS	MG28UQ	N/A	N/A	Provided by Lab
J	DUMMY LOAD	BVADT	L19B	N/A	N/A	Provided by Lab
K	Test Board	Acxico	ZY12PDN	N/A	N/A	Provided by Lab
L	Laptop	DELL	P109F	N/A	N/A	Supplied by applicant
M	Amplifier	SHURE	MXNAMP	N/A	N/A	Supplied by applicant
N	Amplifier	SHURE	MXNAMP	N/A	N/A	Supplied by applicant
O	Amplifier	SHURE	MXNAMP	N/A	N/A	Supplied by applicant
P	Amplifier	SHURE	MXNAMP	N/A	N/A	Supplied by applicant
Q	Speaker	JBL	305P MK II	N/A	N/A	Supplied by applicant
R	Speaker	JBL	305P MK II	N/A	N/A	Supplied by applicant
S	USB Keyboard	DELL	KB216	N/A	N/A	Provided by Lab
T	NB Adapter	Dell	LA240PM190	N/A	N/A	Supplied by applicant
U	Laptop	Dell	P90F	N/A	N/A	Provided by Lab
V	USB 3.0 External HDD	WD	WDBUZG0010BBK-PESN	WXN1E94A9S8X	DoC	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB cable	1	1.8	Y	0	Provided by Lab
2	USB cable	1	1.8	Y	0	Provided by Lab
3	USB cable	1	1.8	Y	0	Provided by Lab
4	USB cable	1	1.8	Y	0	Provided by Lab
5	HDMI cable	3	2	Y	0	Supplied by applicant
6	HDMI cable	1	2	Y	0	Supplied by applicant
7	Type C cable	1	1.8	Y	0	Supplied by applicant
8	DC cable	1	0.1	N	0	Provided by Lab
9	Audio cable	2	3	N	0	Supplied by applicant
10	AC cable	1	1	N	0	Supplied by applicant
11	Cat. 5e cable	4	3	N	0	Supplied by applicant
12	Cat. 5e cable	1	10	N	0	Provided by Lab
13	AC cable	1	0.5	N	0	Supplied by applicant
14	USB cable	1	1.8	Y	0	Provided by Lab
15	DC cable	1	1.2	N	1	Supplied by applicant
16	DC cable	1	1.5	N	2	Supplied by applicant
17	USB cable	1	1.8	Y	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/9/30

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1339443	2025/5/28	2026/5/27
PXA Signal Analyzer Keysight	N9030A	MY54490260	2025/7/24	2026/7/23
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2025/1/21	2026/1/20

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/9/30

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-01-305	2025/2/20	2026/2/19
		E1-01-306	2025/4/16	2026/4/15
DC LISN R&S	ESH3-Z6	100219	2025/7/10	2026/7/9
		844950/018	2025/7/10	2026/7/9
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01631	2025/5/2	2026/5/1
EMI Test Receiver R&S	ESR3	102412	2024/12/26	2025/12/25
		102414	2024/12/11	2025/12/10
High Pass Filter EMCI	150HPF-ME	114005	2025/5/2	2026/5/1
		114006	2025/5/2	2026/5/1
	150HPF-MF	113009	2025/5/2	2026/5/1
High Voltage Probe Schwarzbeck	TK9420	00982	2024/12/6	2025/12/5
LISN R&S	ENV216	101195	2025/7/18	2026/7/17
		101196	2025/5/19	2026/5/18
		101197	2025/7/4	2026/7/3
LISN Schwarzbeck	NNLK 8121	8121-731	2025/6/10	2026/6/9
		8121-00759	2025/8/12	2026/8/11
		8121-808	2025/4/23	2026/4/22
	NNLK 8129	00624	2024/10/9	2025/10/8
		8129229	2024/10/14	2025/10/13
	NSLK 8128	8128-244	2024/11/11	2025/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2025/5/26	2026/5/25
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2025/1/17	2026/1/16
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2025/9/30

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	137	2025/9/17	2026/9/16
Coupling / Decoupling Network Schwarzbeck	CDNE-M2	00097	2025/5/28	2026/5/27
	CDNE-M3	00091	2025/3/20	2026/3/19
Radiating Loop Antenna TESEQ	RLA 6120-20	80002	2025/7/29	2026/7/28
MXE EMI Receiver Agilent	N9038A	MY51210114	2025/2/10	2026/2/9
Preamplifier Agilent	8447D	2944A11064	2025/2/14	2026/2/13
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2025/6/24	2026/6/23
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software BVADT	Radiated_V8.7.08	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/12/19

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight antenna tower fixture BV	BAF-02	6	N/A	N/A
High Pass Filter Wainwright	WHK 3.1/18G-10SS	SN 8	2025/5/22	2026/5/21
Horn Antenna EMCO	3115	00028257	2024/11/10	2025/11/9
Horn Antenna ETS-Lindgren	3117-PA	00215857	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	212	2024/10/18	2025/10/17
		BBHA9170190	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY50010158	2024/10/11	2025/10/10
Notch Filter Micro-Tronics	BRC50703-01	010	2025/5/22	2026/5/21
	BRM17690	005	2025/5/22	2026/5/21
Preamplifier EMCI	EMC0126545	980076	2025/2/14	2026/2/13
	EMC184045B	980175	2025/8/23	2026/8/22
		980235	2025/2/14	2026/2/13
Preamplifier HP	8449B	3008A01201	2025/2/14	2026/2/13
RF Coaxial Cable EMCI	EMC104	190801	2025/7/4	2026/7/3
		190804	2025/7/4	2026/7/3
RF Coaxial Cable EMEC	EM102-KMKM-100	02	2025/7/4	2026/7/3
RF Coaxial Cable HUBER+SUHNER	SF-104	Cable-CH6-01	2025/7/4	2026/7/3
Signal Analyzer R&S	FSV40	101042	2025/9/19	2026/9/18
		101544	2025/7/1	2026/6/30
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/9/22 ~ 2025/9/27

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1}	PK: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	PK: 122.2 (dBμV/m) ^{*4}

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

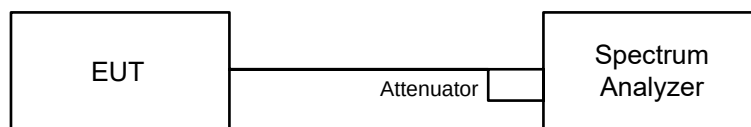
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

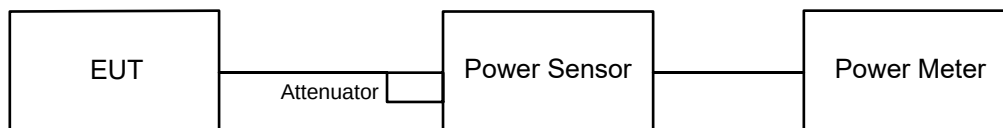


6.1.2 Test Procedure

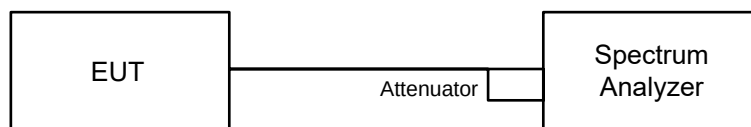
- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

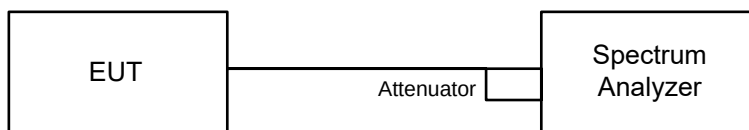
Method SA-1

- Set span to encompass the entire 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 (rms) mode.
- 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.
- Record the max value.

Note: When measuring straddle channel 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 99% 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.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire 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

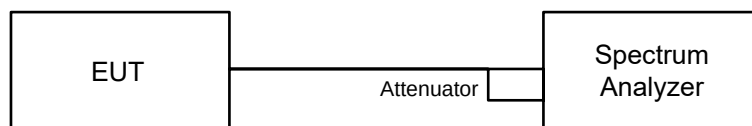
For specified measurement bandwidth 500 kHz:

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.

6.4 6 dB Bandwidth

6.4.1 Test Setup

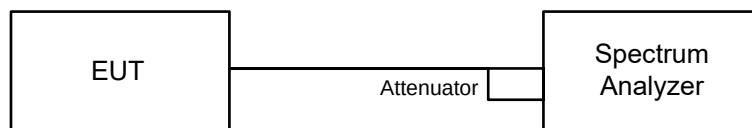


6.4.2 Test Procedure

- 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.

6.5 Occupied Bandwidth

6.5.1 Test Setup



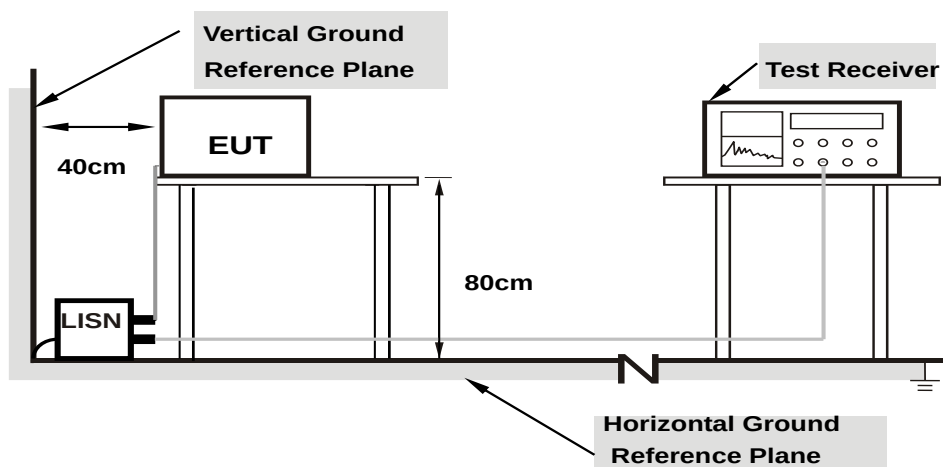
6.5.2 Test Procedure

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:

- a. 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.
- b. 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.
- c. 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.
- d. Step a) through step c) might require iteration to adjust within the specified range.
- e. 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.
- f. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

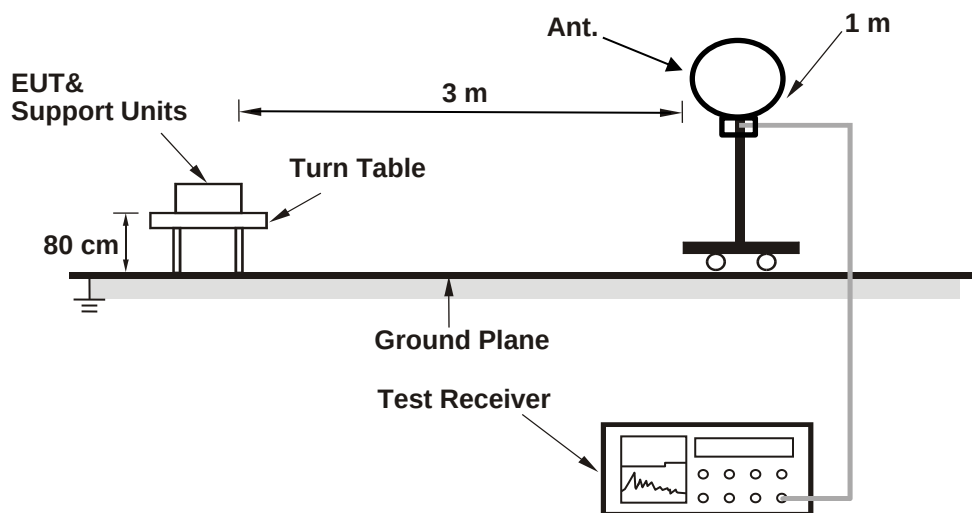
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The 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.

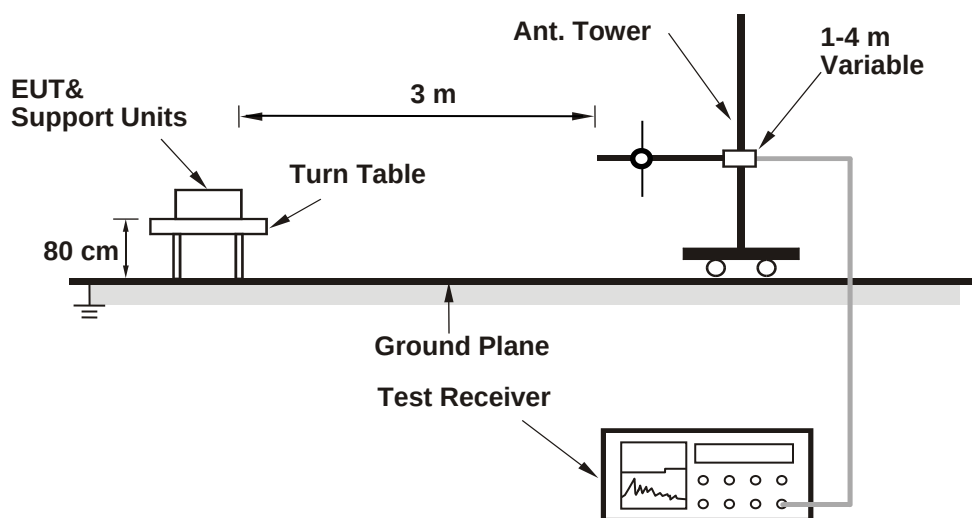
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

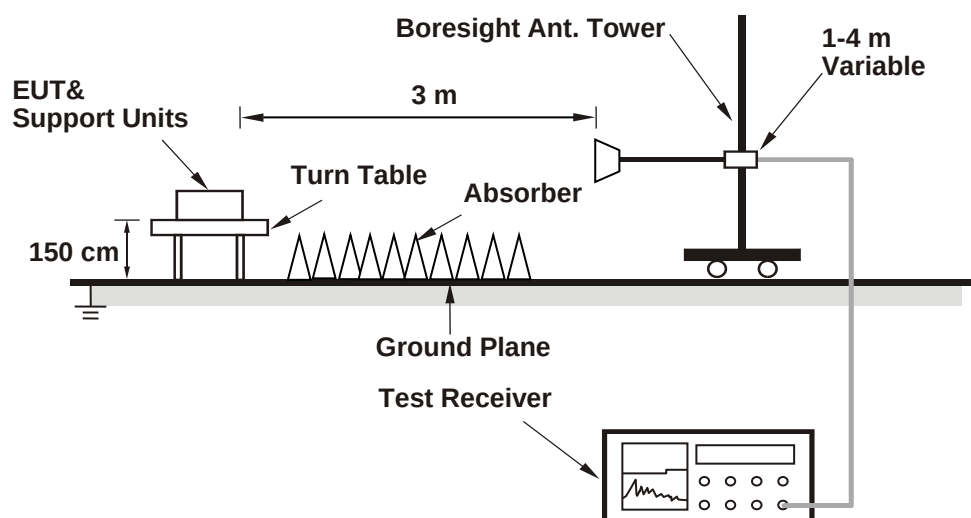
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-peak(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:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.09	18.99
60	5300	18.93	18.80
64	5320	18.84	19.31
100	5500	19.09	18.87
116	5580	19.06	19.24
140	5700	18.96	18.97
144 (U-NII-2C)	5720	14.61	14.45
144 (U-NII-3)	5720	4.41	4.45

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	18.99	23.78	<	24
60	5300	18.80	23.74	<	24
64	5320	18.84	23.75	<	24
100	5500	18.87	23.75	<	24
116	5580	19.06	23.8	<	24
140	5700	18.96	23.77	<	24
144 (U-NII-2C)	5720	14.45	22.59	<	24

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

802.11ac (VHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.55	19.93
60	5300	20.52	19.88
64	5320	20.56	19.89
100	5500	20.60	20.00
116	5580	20.49	19.82
140	5700	20.41	20.13
144 (U-NII-2C)	5720	15.39	15.22
144 (U-NII-3)	5720	5.22	5.08

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	19.93	23.99 < 24
60	5300	19.88	23.98 < 24
64	5320	19.89	23.98 < 24
100	5500	20.00	24.01 > 24
116	5580	19.82	23.97 < 24
140	5700	20.13	24.03 > 24
144 (U-NII-2C)	5720	15.22	22.82 < 24

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

802.11ac (VHT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.26	39.85
62	5310	40.28	40.39
102	5510	40.00	39.99
110	5550	40.25	39.93
134	5670	39.95	39.94
142 (U-NII-2C)	5710	35.08	35.01
142 (U-NII-3)	5710	5.21	4.99

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.85	27 > 24
62	5310	40.28	27.05 > 24
102	5510	39.99	27.01 > 24
110	5550	39.93	27.01 > 24
134	5670	39.94	27.01 > 24
142 (U-NII-2C)	5710	35.01	26.44 > 24

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

802.11ac (VHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.84	82.20
106	5530	82.88	82.21
122	5610	82.94	82.73
138 (U-NII-2C)	5690	76.45	76.11
138 (U-NII-3)	5690	6.39	6.07

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	82.20	30.14 > 24
106	5530	82.21	30.14 > 24
122	5610	82.73	30.17 > 24
138 (U-NII-2C)	5690	76.11	29.81 > 24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.12	21.03
60	5300	21.35	20.96
64	5320	21.09	21.06
100	5500	21.13	21.43
116	5580	21.26	21.22
140	5700	21.13	20.87
144 (U-NII-2C)	5720	15.66	15.53
144 (U-NII-3)	5720	5.49	5.51

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.03	24.22 > 24
60	5300	20.96	24.21 > 24
64	5320	21.06	24.23 > 24
100	5500	21.13	24.24 > 24
116	5580	21.22	24.26 > 24
140	5700	20.87	24.19 > 24
144 (U-NII-2C)	5720	15.53	22.91 < 24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.79	40.64
62	5310	40.91	40.73
102	5510	40.77	40.79
110	5550	40.87	40.79
134	5670	40.84	40.70
142 (U-NII-2C)	5710	35.50	35.50
142 (U-NII-3)	5710	5.45	5.52

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	40.64	27.08 > 24
62	5310	40.73	27.09 > 24
102	5510	40.77	27.1 > 24
110	5550	40.79	27.1 > 24
134	5670	40.70	27.09 > 24
142 (U-NII-2C)	5710	35.50	26.5 > 24

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

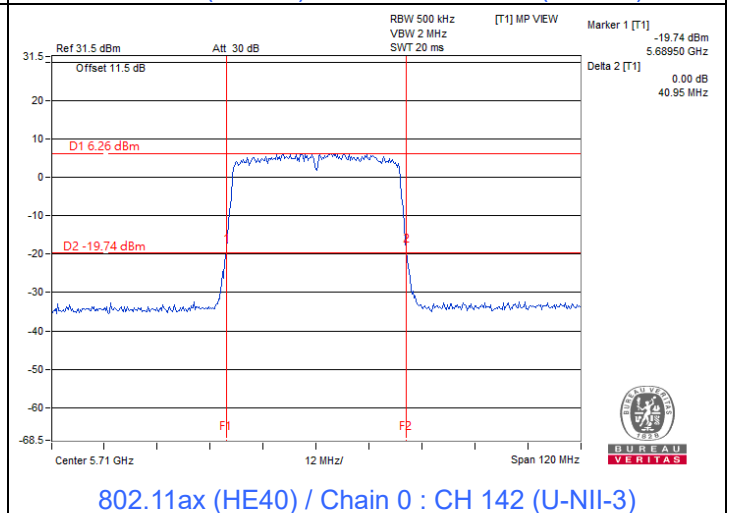
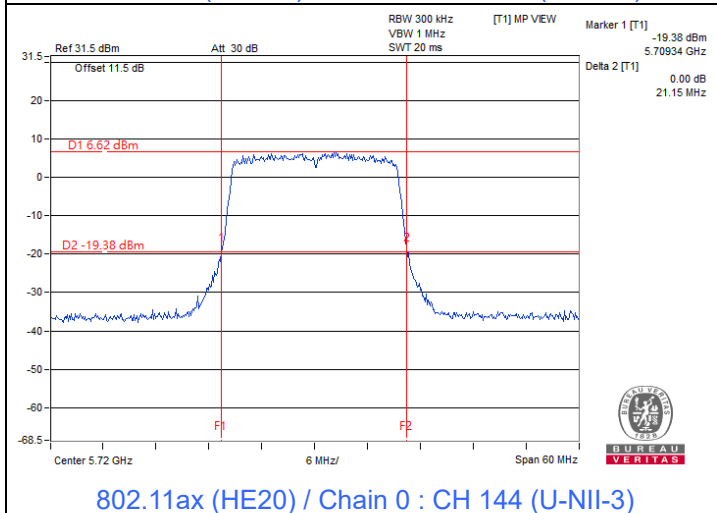
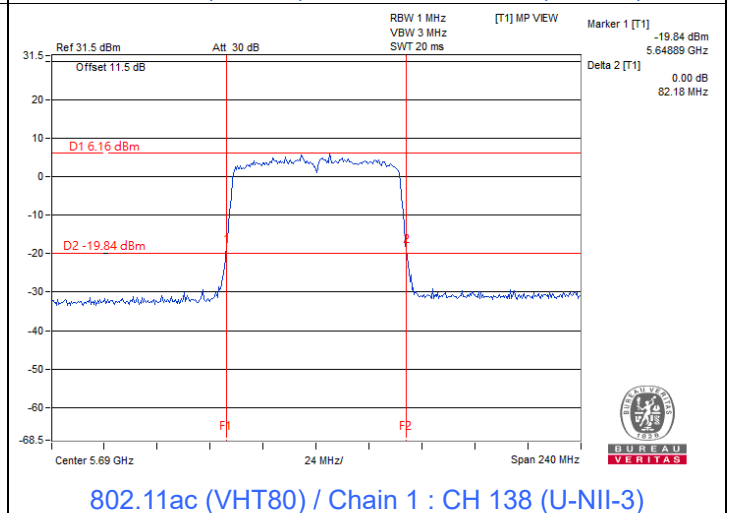
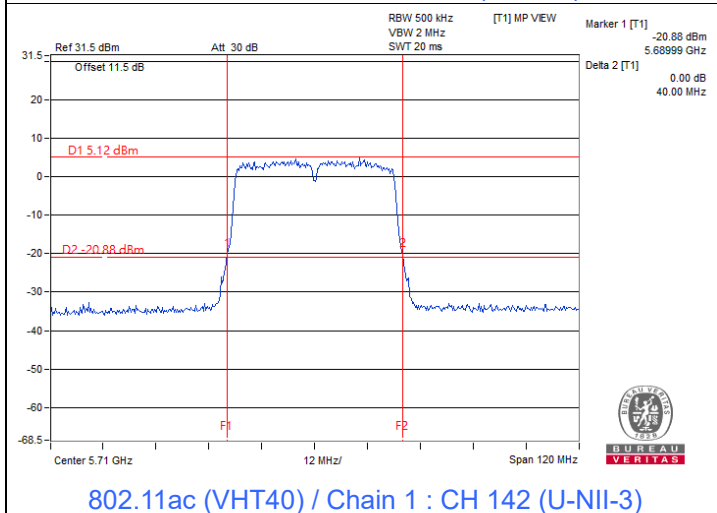
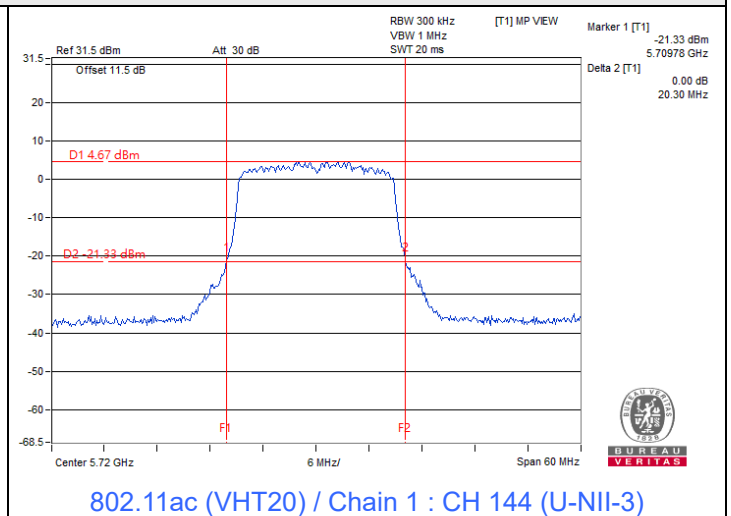
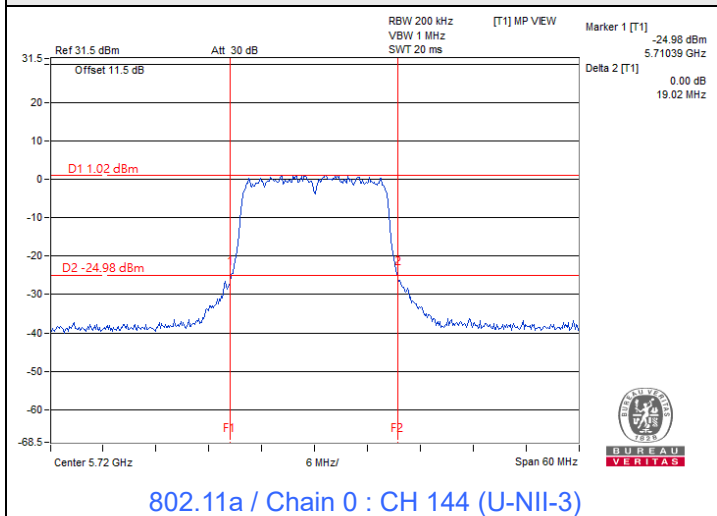
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.94	83.17
106	5530	83.16	83.31
122	5610	83.08	82.92
138 (U-NII-2C)	5690	76.27	76.39
138 (U-NII-3)	5690	6.45	6.28

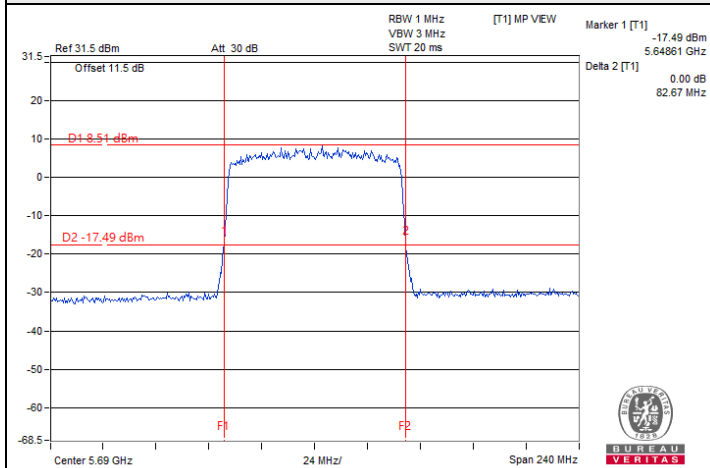
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	82.94	30.18 > 24
106	5530	83.16	30.19 > 24
122	5610	82.92	30.18 > 24
138 (U-NII-2C)	5690	76.27	29.82 > 24

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

Spectrum Plot of Minimum Value



Spectrum Plot of Minimum Value



802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)

Notes:

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

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.69	11.30	28.247	14.51	24	Pass
40	5200	11.67	11.16	27.751	14.43	24	Pass
48	5240	11.71	11.23	28.099	14.49	24	Pass
52	5260	11.79	11.11	28.013	14.47	23.78	Pass
60	5300	11.65	11.30	28.111	14.49	23.74	Pass
64	5320	11.62	11.31	28.042	14.48	23.75	Pass
100	5500	11.49	11.15	27.125	14.33	23.75	Pass
116	5580	10.99	11.27	25.957	14.14	23.8	Pass
140	5700	11.53	11.71	29.048	14.63	23.77	Pass
*144 (U-NII-2C)	5720	10.25	10.22	21.112	13.25	22.59	Pass
*144 (U-NII-3)	5720	3.80	3.76	4.776	6.79	30	Pass
149	5745	11.69	11.50	28.882	14.61	30	Pass
157	5785	11.67	11.21	27.902	14.46	30	Pass
165	5825	11.32	11.08	26.375	14.21	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.69	13.17	44.138	16.45	24	Pass
40	5200	13.62	13.12	43.526	16.39	24	Pass
48	5240	13.66	13.18	44.024	16.44	24	Pass
52	5260	13.55	13.17	43.396	16.37	23.99	Pass
60	5300	13.44	12.99	41.987	16.23	23.98	Pass
64	5320	13.45	13.05	42.315	16.26	23.98	Pass
100	5500	13.30	12.99	41.286	16.16	24	Pass
116	5580	12.78	12.87	38.331	15.84	23.97	Pass
140	5700	13.28	13.47	43.514	16.39	24	Pass
*144 (U-NII-2C)	5720	11.68	11.77	29.755	14.74	22.82	Pass
*144 (U-NII-3)	5720	5.53	5.45	7.08	8.50	30	Pass
149	5745	13.50	13.01	42.386	16.27	30	Pass
157	5785	13.40	12.89	41.331	16.16	30	Pass
165	5825	12.95	12.80	38.779	15.89	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.74	13.31	45.088	16.54	24	Pass
46	5230	13.96	13.53	47.431	16.76	24	Pass
54	5270	13.82	13.38	45.876	16.62	24	Pass
62	5310	13.80	13.32	45.467	16.58	24	Pass
102	5510	13.31	13.38	43.206	16.36	24	Pass
110	5550	13.14	13.24	41.693	16.20	24	Pass
134	5670	13.43	13.44	44.109	16.45	24	Pass
*142 (U-NII-2C)	5710	12.77	12.98	38.784	15.89	24	Pass
*142 (U-NII-3)	5710	1.65	1.66	2.928	4.67	30	Pass
151	5755	13.75	13.29	45.044	16.54	30	Pass
159	5795	13.60	13.15	43.562	16.39	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	13.68	13.09	43.705	16.41	24	Pass
58	5290	13.64	13.26	44.304	16.46	24	Pass
106	5530	13.08	13.20	41.217	16.15	24	Pass
122	5610	13.29	13.31	42.759	16.31	24	Pass
*138 (U-NII-2C)	5690	12.74	13.09	39.164	15.93	24	Pass
*138 (U-NII-3)	5690	-2.17	-1.98	1.2406	0.94	30	Pass
155	5775	13.53	13.18	43.339	16.37	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

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	13.79	13.35	45.56	16.59	24	Pass
40	5200	13.73	13.37	45.332	16.56	24	Pass
48	5240	13.77	13.41	45.751	16.60	24	Pass
52	5260	13.69	13.31	44.817	16.51	24	Pass
60	5300	13.64	13.09	43.491	16.38	24	Pass
64	5320	13.65	13.24	44.26	16.46	24	Pass
100	5500	13.43	13.20	42.922	16.33	24	Pass
116	5580	12.99	13.08	40.23	16.05	24	Pass
140	5700	13.44	13.71	45.576	16.59	24	Pass
*144 (U-NII-2C)	5720	12.07	12.16	32.55	15.13	22.91	Pass
*144 (U-NII-3)	5720	6.47	6.44	8.842	9.47	30	Pass
149	5745	13.66	13.22	44.217	16.46	30	Pass
157	5785	13.58	13.06	43.034	16.34	30	Pass
165	5825	13.15	12.90	40.152	16.04	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

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	13.85	13.45	46.397	16.66	24	Pass
46	5230	14.13	13.74	49.541	16.95	24	Pass
54	5270	13.94	13.50	47.161	16.74	24	Pass
62	5310	13.92	13.51	47.099	16.73	24	Pass
102	5510	13.45	13.51	44.57	16.49	24	Pass
110	5550	13.29	13.42	43.309	16.37	24	Pass
134	5670	13.65	13.61	46.135	16.64	24	Pass
*142 (U-NII-2C)	5710	12.92	13.23	40.626	16.09	24	Pass
*142 (U-NII-3)	5710	2.75	2.87	3.82	5.82	30	Pass
151	5755	13.91	13.49	46.939	16.72	30	Pass
159	5795	13.77	13.35	45.45	16.58	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

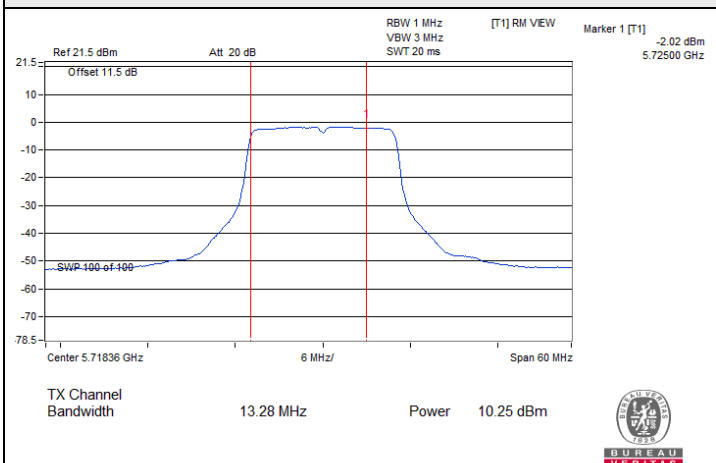
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	13.90	13.33	46.075	16.63	24	Pass
58	5290	13.85	13.46	46.448	16.67	24	Pass
106	5530	13.32	13.34	43.056	16.34	24	Pass
122	5610	13.41	13.48	44.212	16.46	24	Pass
*138 (U-NII-2C)	5690	13.07	13.54	42.871	16.32	24	Pass
*138 (U-NII-3)	5690	-1.23	-0.46	1.6529	2.18	30	Pass
155	5775	13.71	13.33	45.024	16.53	30	Pass

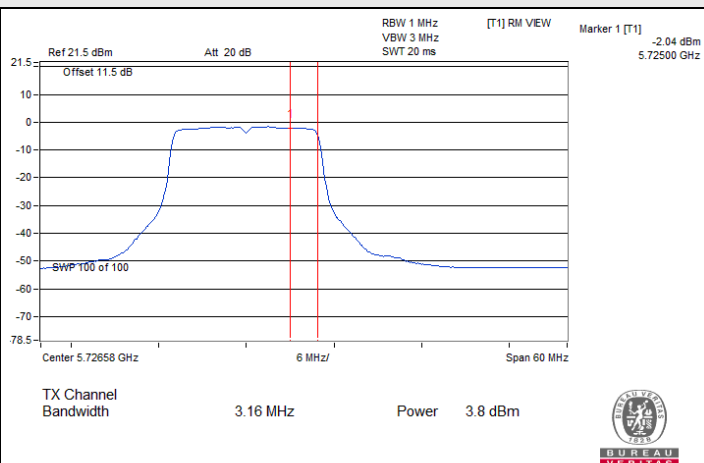
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

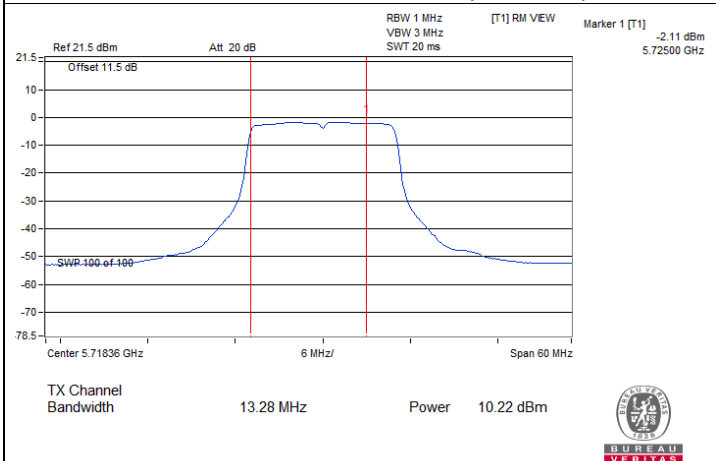
Spectrum Plot for channel straddling



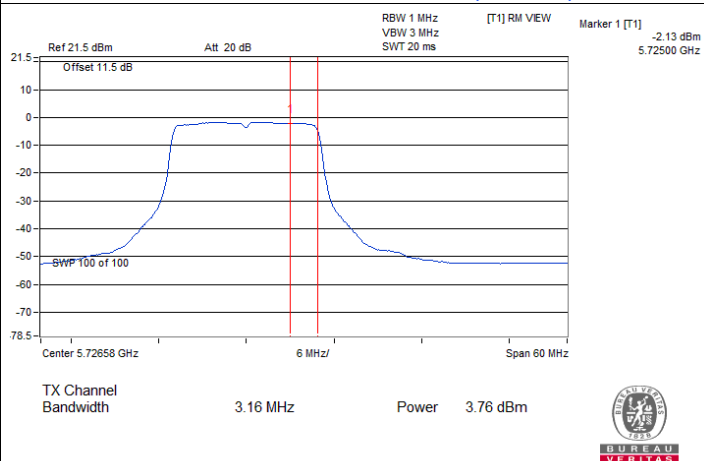
802.11a / Chain 0 : CH 144 (U-NII-2C)



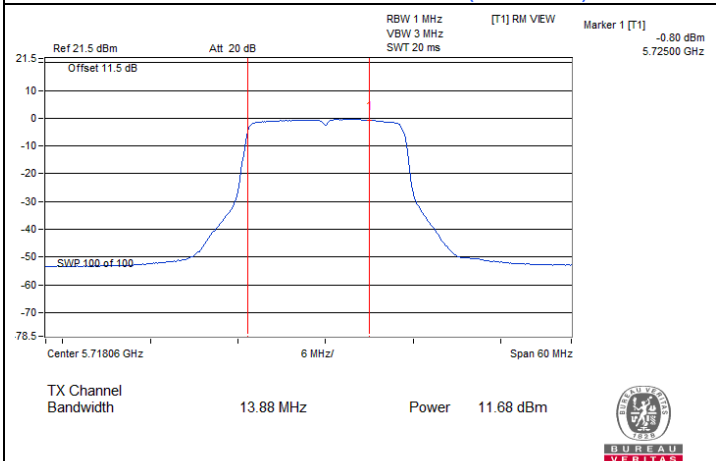
802.11a / Chain 0 : CH 144 (U-NII-3)



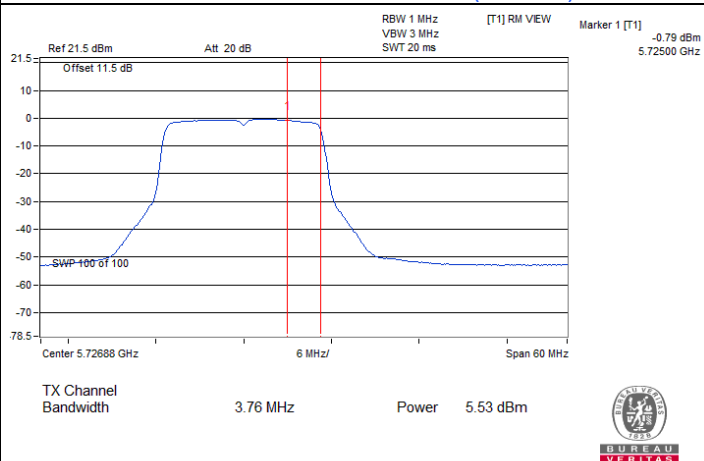
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

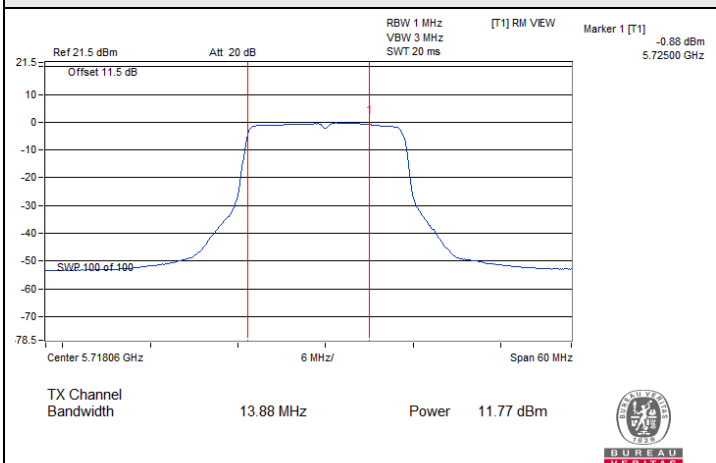


802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-2C)

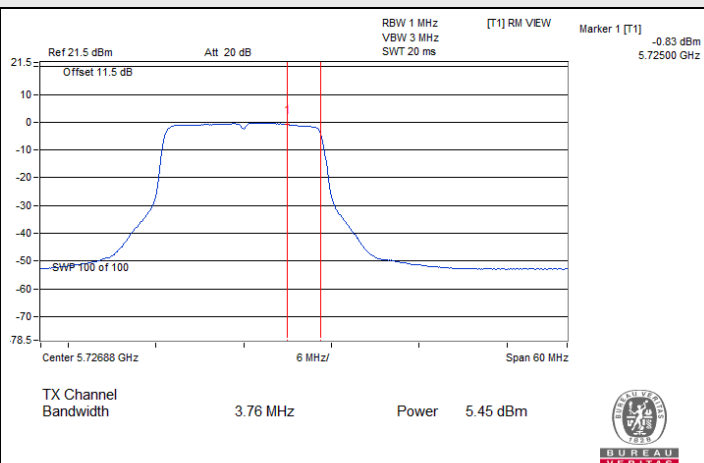


802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-3)

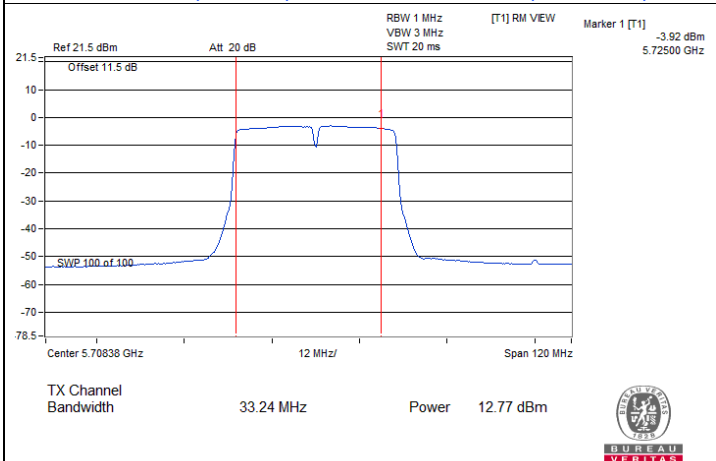
Spectrum Plot for channel straddling



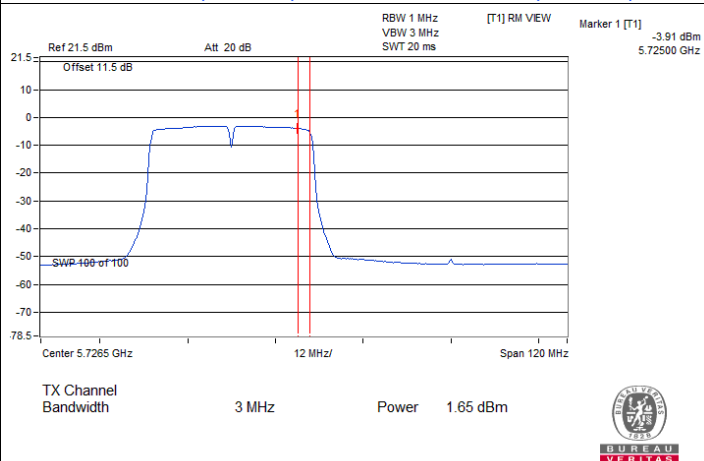
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-2C)



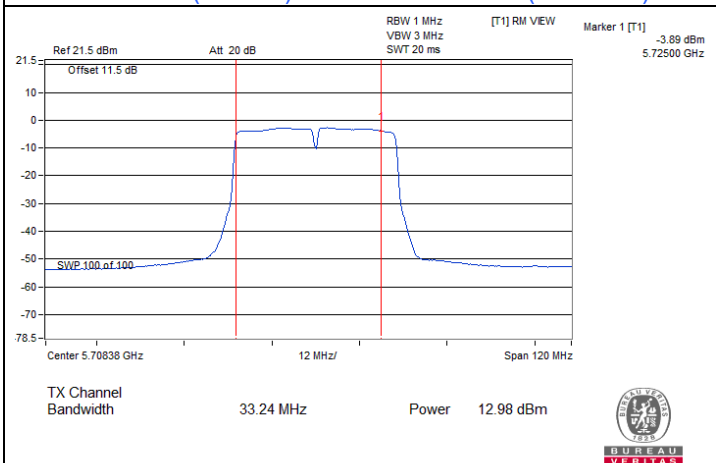
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-3)



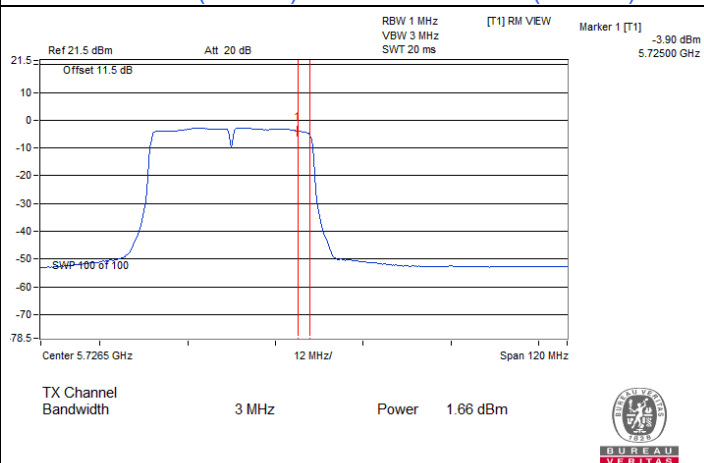
802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-2C)



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

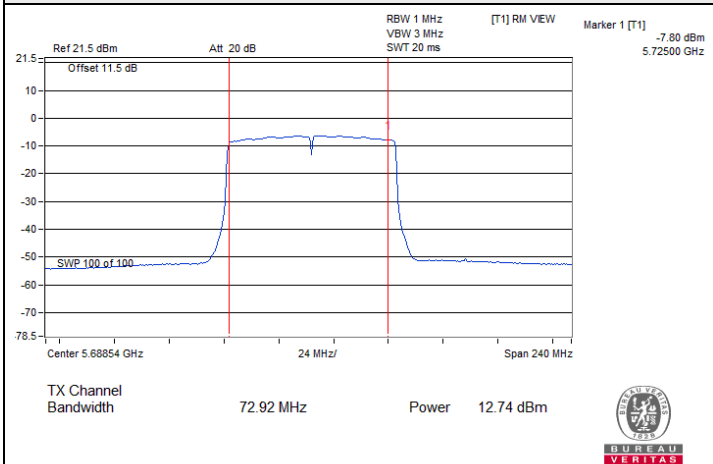


802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-2C)

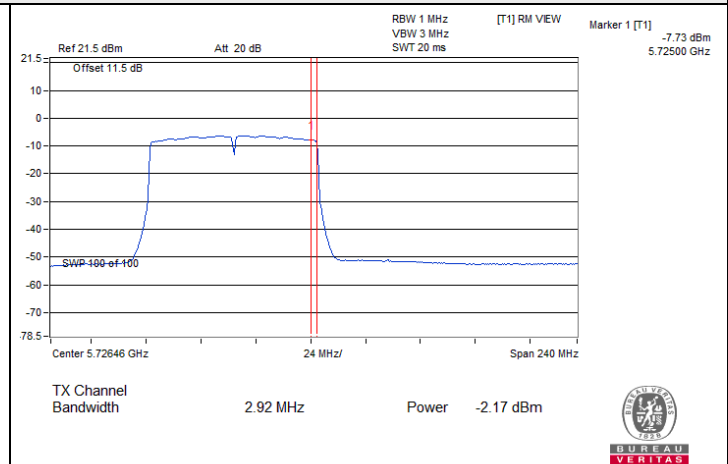


802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-3)

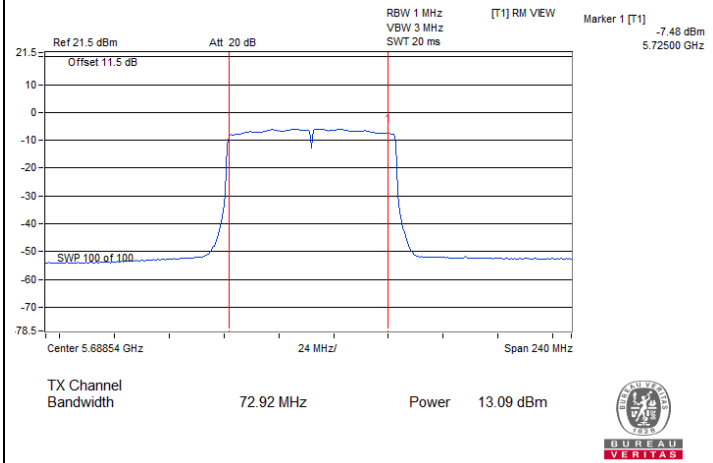
Spectrum Plot for channel straddling



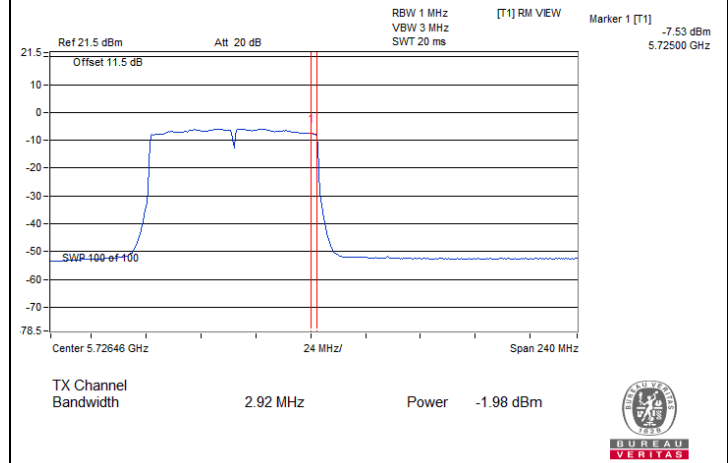
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-2C)



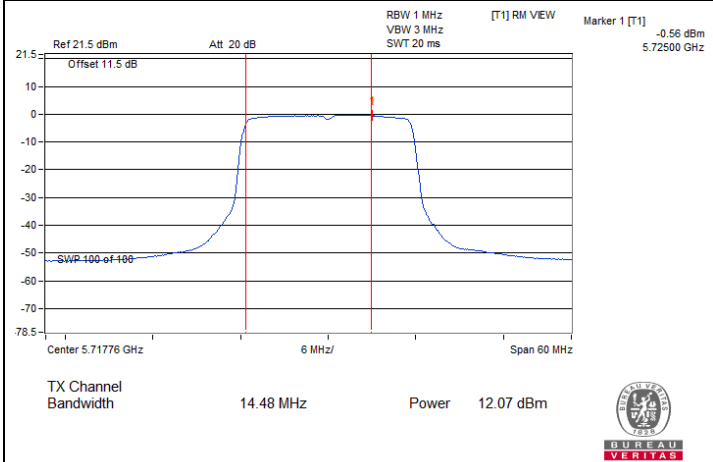
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-3)



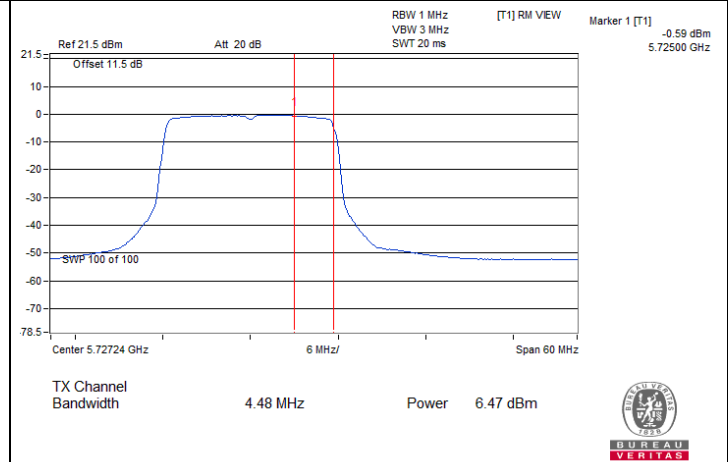
802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-2C)



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

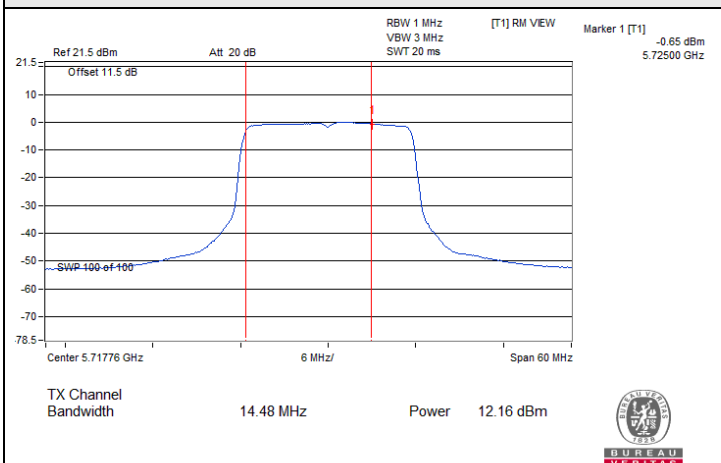


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)

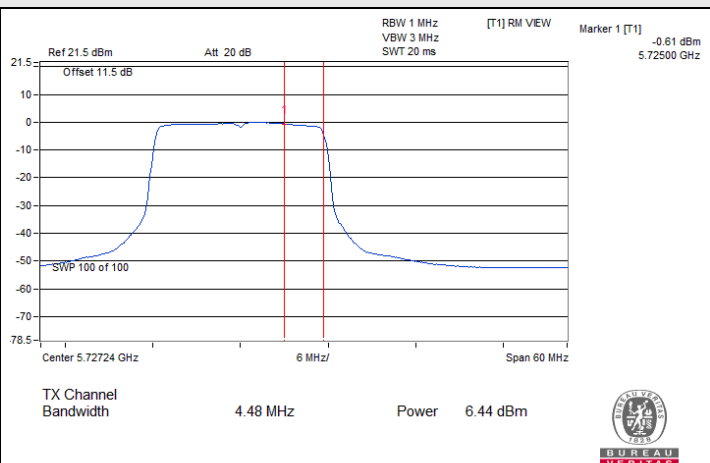


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)

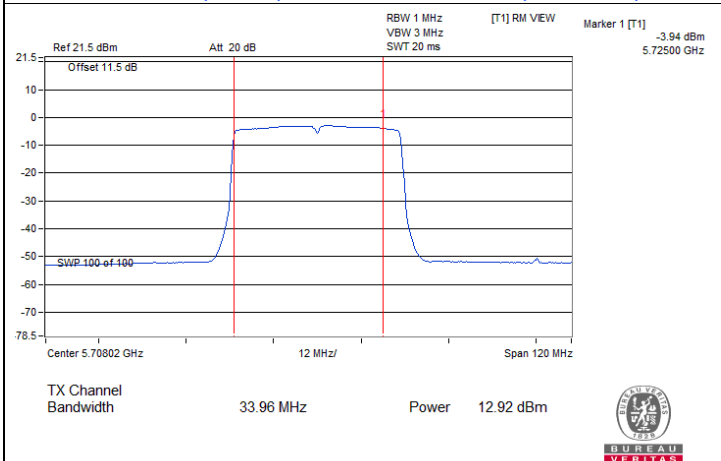
Spectrum Plot for channel straddling



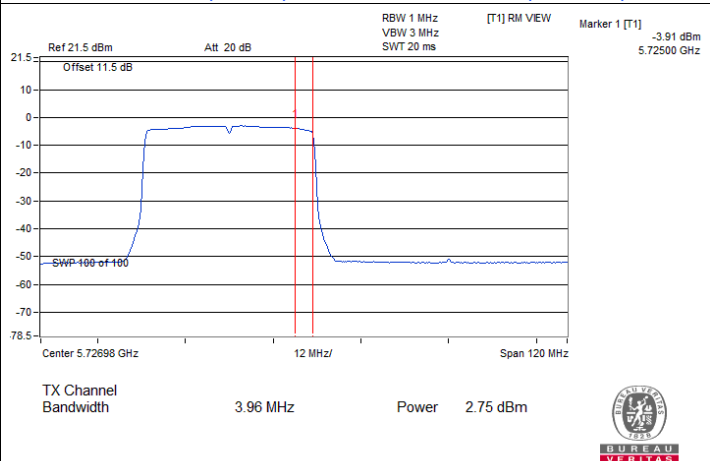
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)



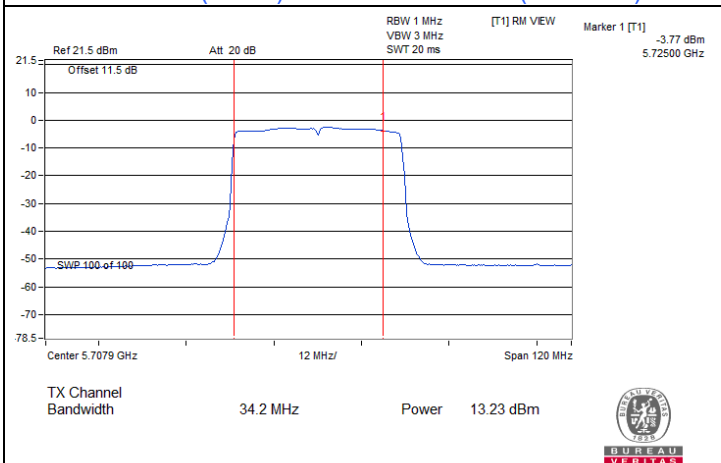
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



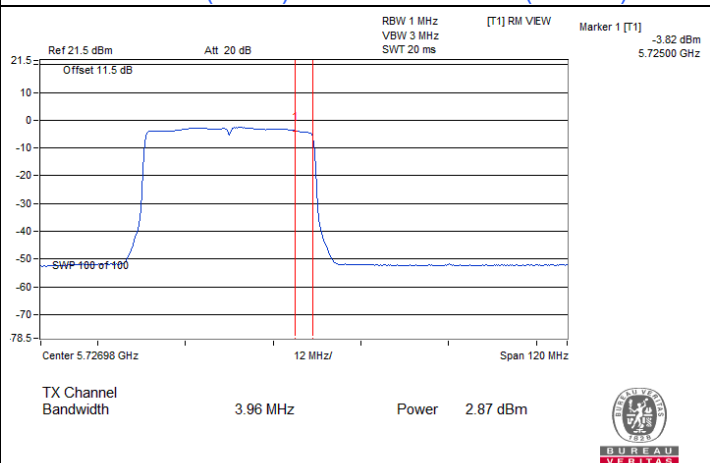
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



802.11ax (HE40) / Chain 0 : CH 142 (U-NII-3)

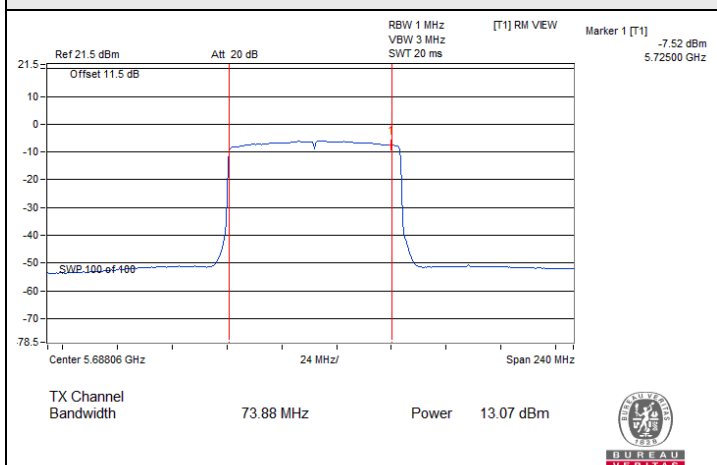


802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)

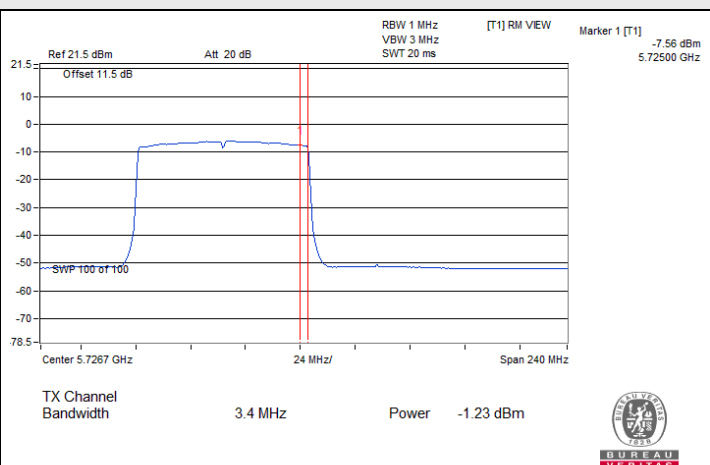


802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)

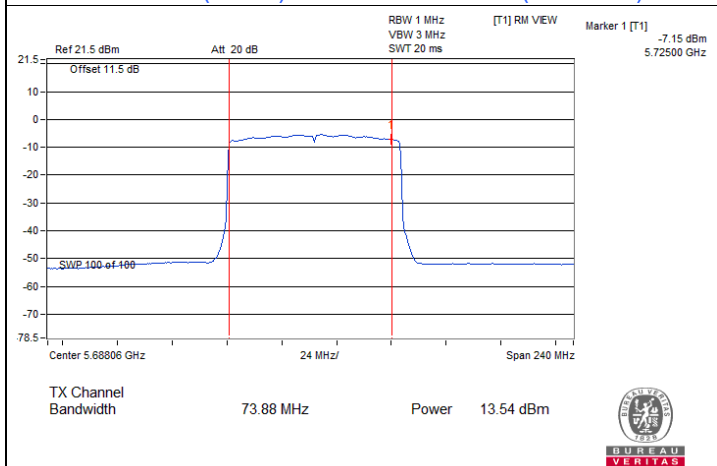
Spectrum Plot for channel straddling



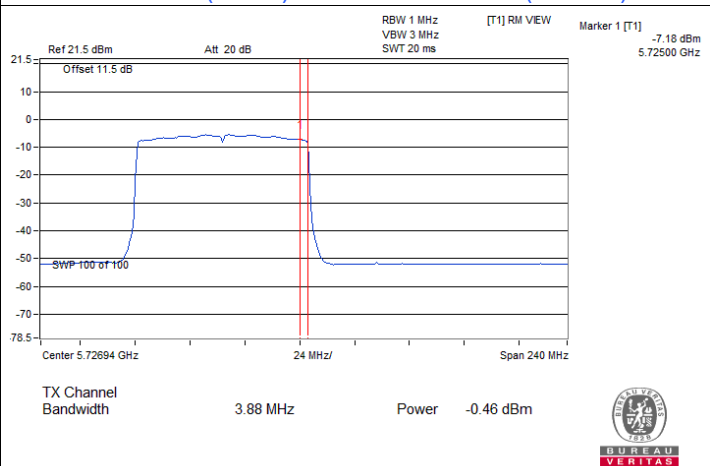
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)



802.11ax (HE80) / Chain 0 : CH 138 (U-NII-3)



802.11ax (HE80) / Chain 1 : CH 138 (U-NII-2C)



802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-1.24	-1.83	1.49	9.09	Pass
40	5200	-1.20	-1.94	1.46	9.09	Pass
48	5240	-1.13	-2.07	1.44	9.09	Pass
52	5260	-1.15	-2.03	1.44	9.09	Pass
60	5300	-1.64	-1.79	1.30	9.09	Pass
64	5320	-1.67	-1.59	1.38	9.09	Pass
100	5500	-1.73	-1.59	1.35	9.09	Pass
116	5580	-2.18	-1.64	1.11	9.09	Pass
140	5700	-1.78	-1.40	1.42	9.09	Pass
144 (U-NII-2C)	5720	-1.68	-1.74	1.30	9.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.91 dBi > 6dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	0.27	-0.24	3.03	9.09	Pass
40	5200	0.18	-0.22	2.99	9.09	Pass
48	5240	0.14	-0.37	2.90	9.09	Pass
52	5260	0.14	-0.37	2.90	9.09	Pass
60	5300	0.02	-0.53	2.76	9.09	Pass
64	5320	-0.20	-0.47	2.68	9.09	Pass
100	5500	-0.18	-0.41	2.72	9.09	Pass
116	5580	-0.60	-0.53	2.45	9.09	Pass
140	5700	-0.28	0.16	2.96	9.09	Pass
144 (U-NII-2C)	5720	-0.22	-0.14	2.83	9.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.91 dBi > 6dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-2.58	-2.95	0.25	9.09	Pass
46	5230	-2.50	-2.92	0.31	9.09	Pass
54	5270	-2.61	-3.06	0.18	9.09	Pass
62	5310	-3.02	-3.05	-0.02	9.09	Pass
102	5510	-3.21	-2.93	-0.06	9.09	Pass
110	5550	-3.27	-3.12	-0.18	9.09	Pass
134	5670	-3.07	-2.62	0.17	9.09	Pass
142 (U-NII-2C)	5710	-3.04	-2.62	0.19	9.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.91 dBi > 6dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-5.57	-5.85	-2.70	9.09	Pass
58	5290	-5.83	-6.12	-2.96	9.09	Pass
106	5530	-6.28	-6.09	-3.17	9.09	Pass
122	5610	-6.31	-5.79	-3.03	9.09	Pass
138 (U-NII-2C)	5690	-6.07	-5.46	-2.74	9.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.91 dBi > 6dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.91-6) = 9.09$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-10.36	-10.35	-7.34	-5.12	28.09	Pass
149	5745	-9.91	-9.88	-6.88	-4.66	28.09	Pass
157	5785	-9.84	-10.01	-6.91	-4.69	28.09	Pass
165	5825	-10.00	-10.12	-7.05	-4.83	28.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.91 - 6) = 28.09$ dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-9.80	-9.74	-6.76	-4.54	28.09	Pass
149	5745	-9.21	-9.37	-6.28	-4.06	28.09	Pass
157	5785	-9.28	-9.62	-6.44	-4.22	28.09	Pass
165	5825	-9.64	-9.74	-6.68	-4.46	28.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.91 - 6) = 28.09$ dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-13.12	-13.06	-10.08	-7.86	28.09	Pass
151	5755	-11.95	-12.21	-9.07	-6.85	28.09	Pass
159	5795	-12.05	-12.55	-9.28	-7.06	28.09	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.91 - 6) = 28.09$ dBm/500kHz.

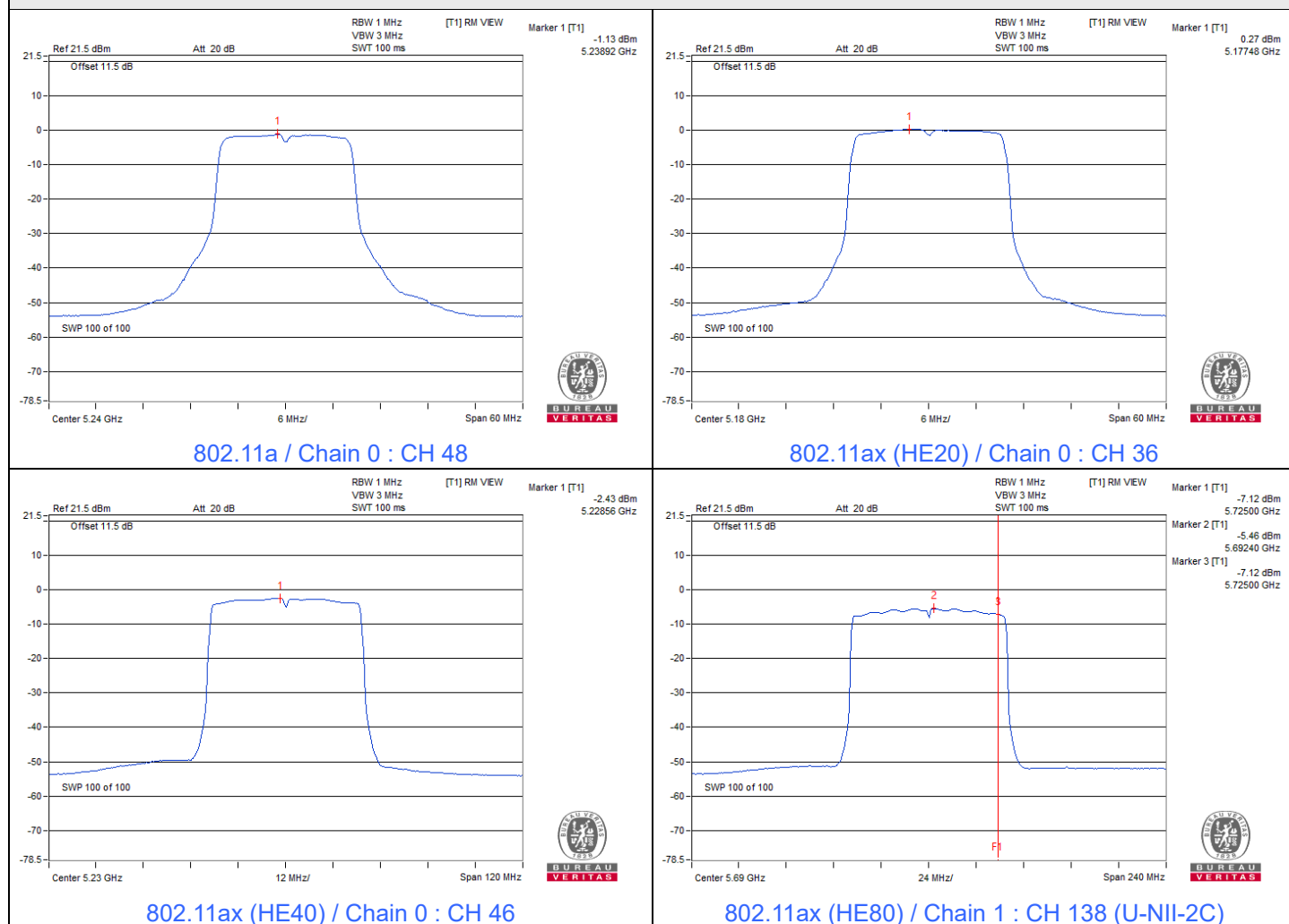
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-16.83	-16.37	-13.58	-11.36	28.09	Pass
155	5775	-14.99	-15.35	-12.16	-9.94	28.09	Pass

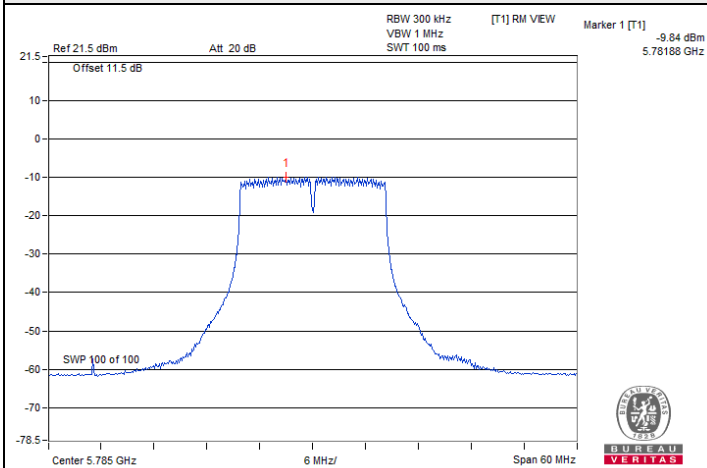
Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 7.91 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.91 - 6) = 28.09$ dBm/500kHz.

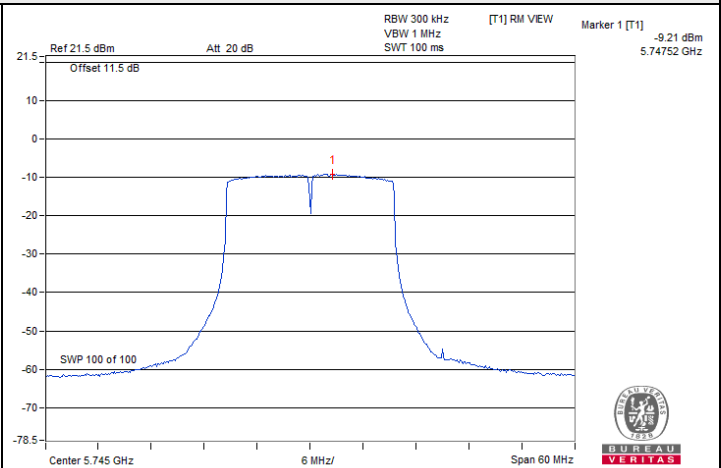
Spectrum Plot of Maximum Value



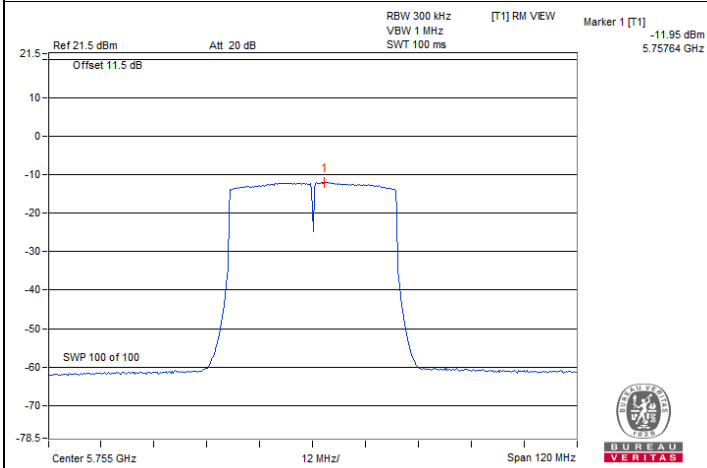
Spectrum Plot of Maximum Value



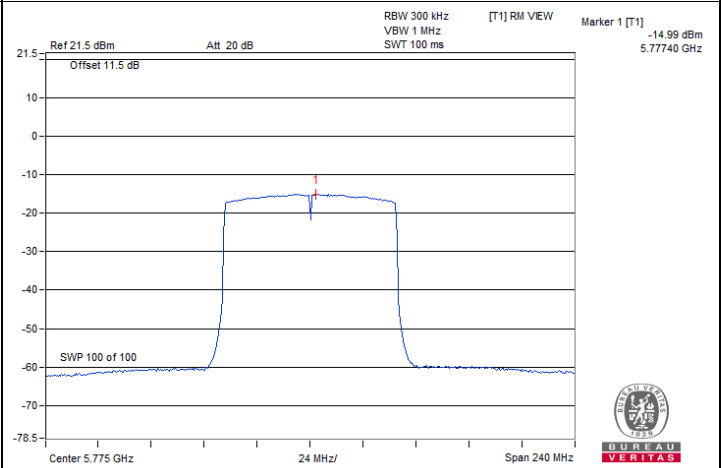
802.11a / Chain 0 : CH 157



802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.18	3.18	0.5	Pass
149	5745	16.36	16.38	0.5	Pass
157	5785	16.36	16.40	0.5	Pass
165	5825	16.36	16.39	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.49	4.49	0.5	Pass
149	5745	19.02	18.76	0.5	Pass
157	5785	18.96	18.89	0.5	Pass
165	5825	18.93	18.96	0.5	Pass

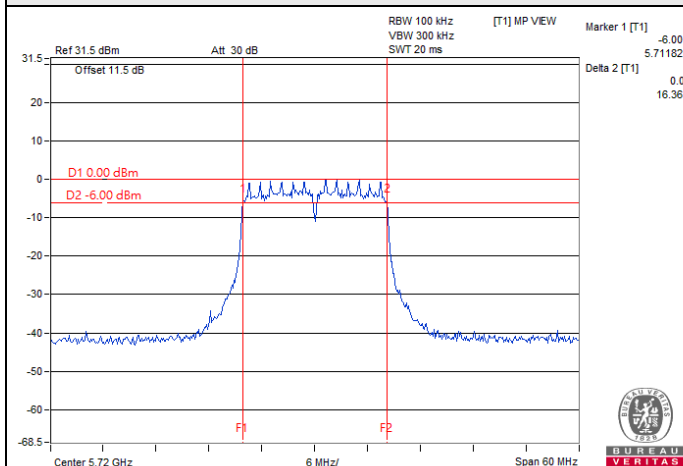
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.99	3.99	0.5	Pass
151	5755	38.06	37.81	0.5	Pass
159	5795	38.11	38.12	0.5	Pass

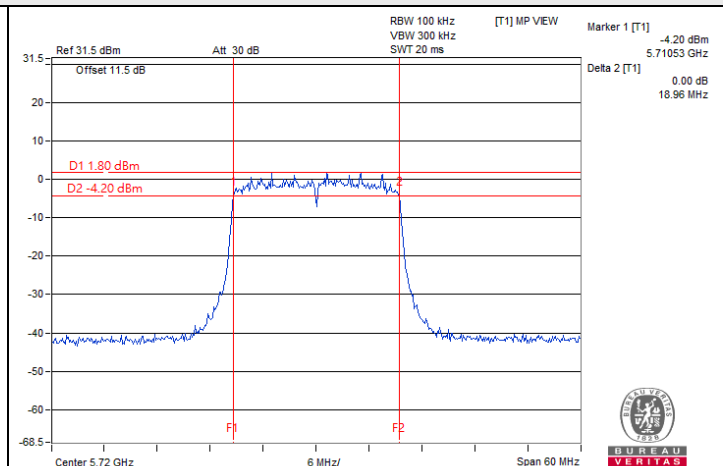
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	4.21	3.97	0.5	Pass
155	5775	77.91	77.84	0.5	Pass

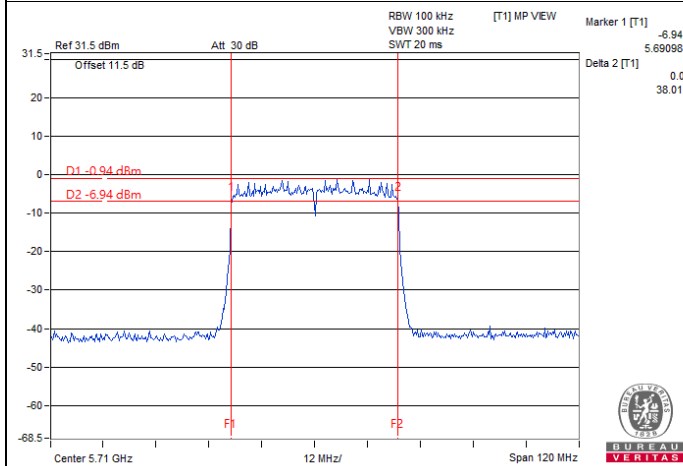
Spectrum Plot of Minimum Value



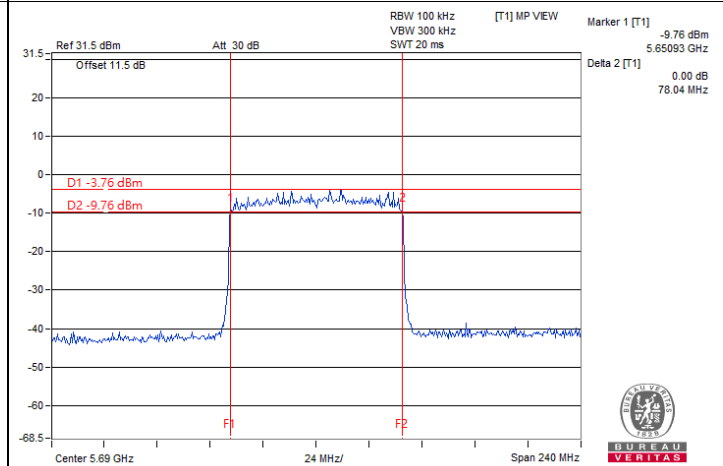
802.11a / Chain 0 : CH 144 (U-NII-3)



802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)



802.11ax (HE40) / Chain 0 : CH 142 (U-NII-3)



802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)

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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

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

802.11ax (HE20)

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

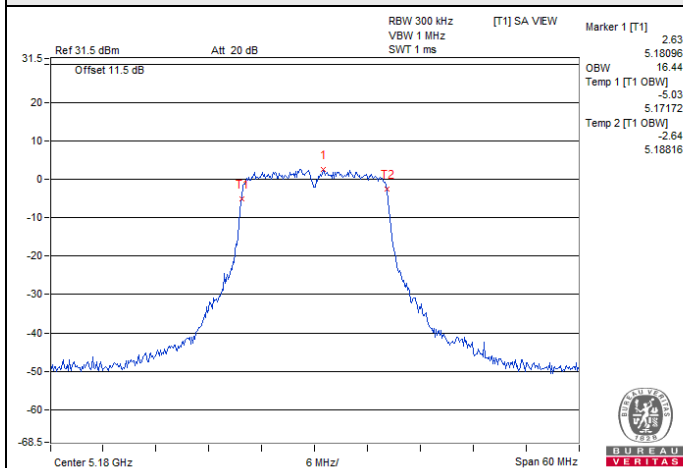
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	37.92	37.92
54	5270	37.92	37.92
62	5310	37.92	37.92
102	5510	38.16	37.92
110	5550	38.16	37.92
134	5670	38.16	37.92
142 (U-NII-2C)	5710	33.96	34.20
142 (U-NII-3)	5710	3.96	3.96
151	5755	37.92	37.92
159	5795	37.92	38.16

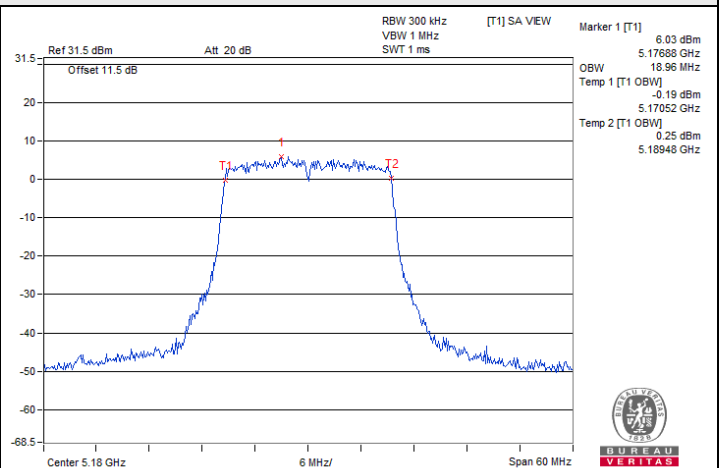
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.76	77.76
58	5290	77.28	77.28
106	5530	77.76	77.28
122	5610	77.28	77.28
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.40	3.88
155	5775	77.28	77.28

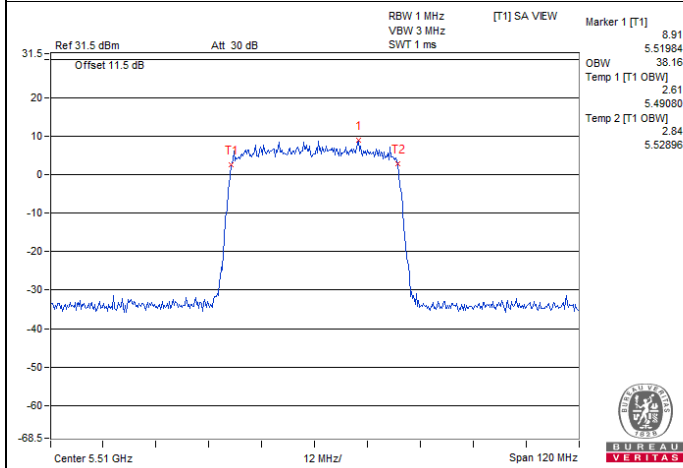
Spectrum Plot of Maximum Value



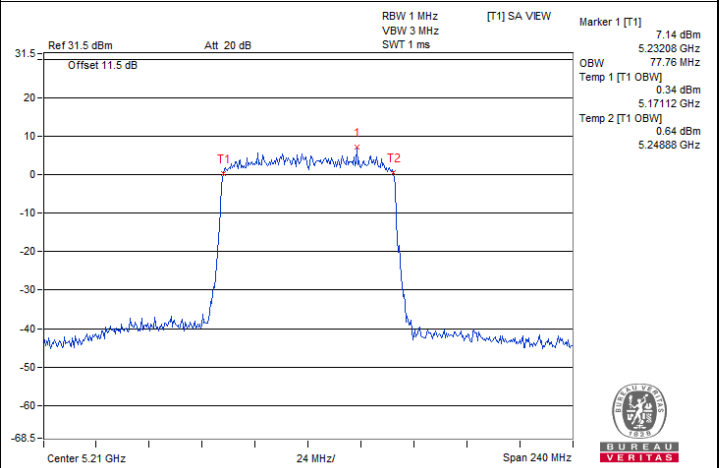
802.11a / Chain 0 : CH 36



802.11ax (HE20) / Chain 0 : CH 36

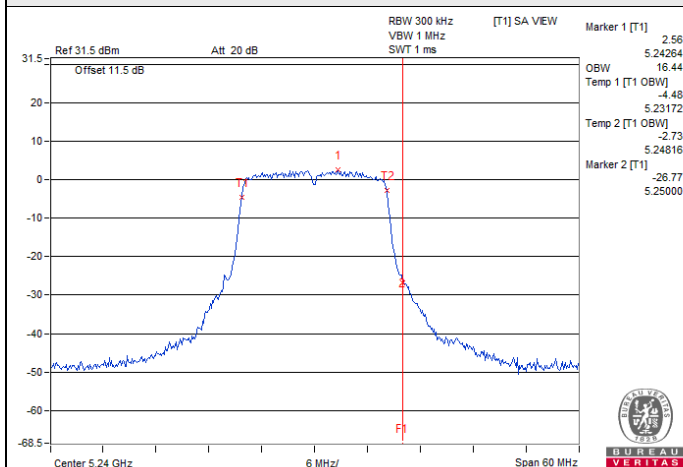


802.11ax (HE40) / Chain 0 : CH 102

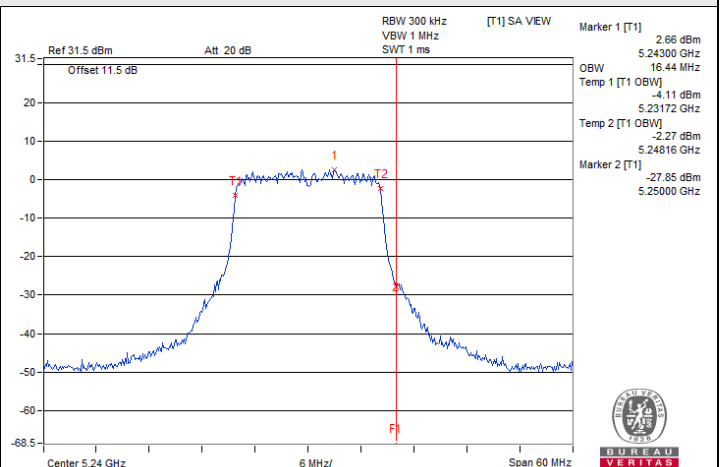


802.11ax (HE80) / Chain 0 : CH 42

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

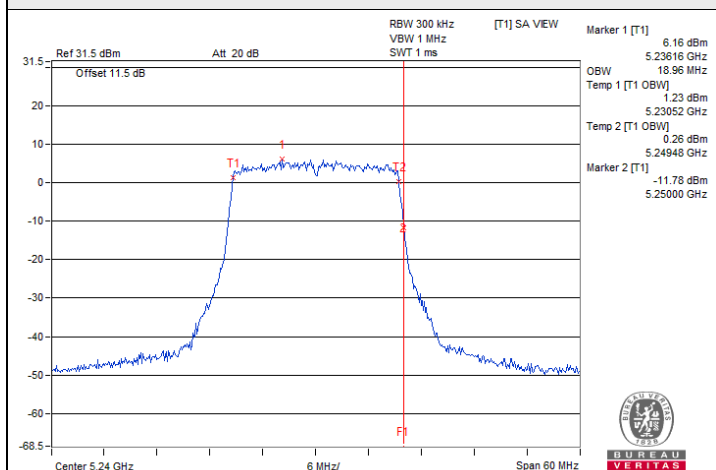


802.11a / Chain 0 : CH 48

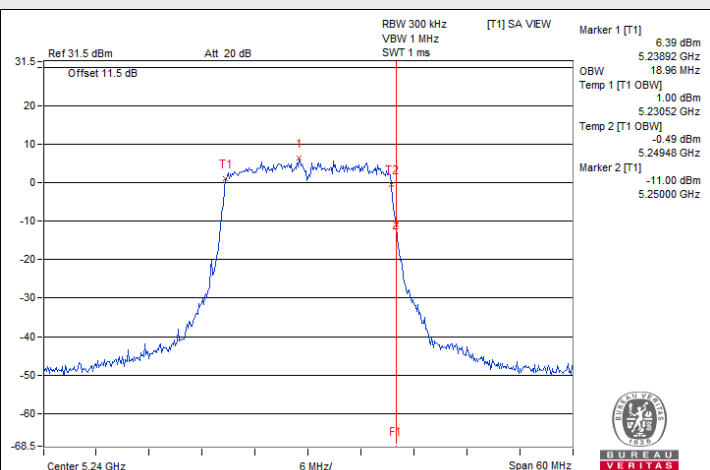


802.11a / Chain 1 : CH 48

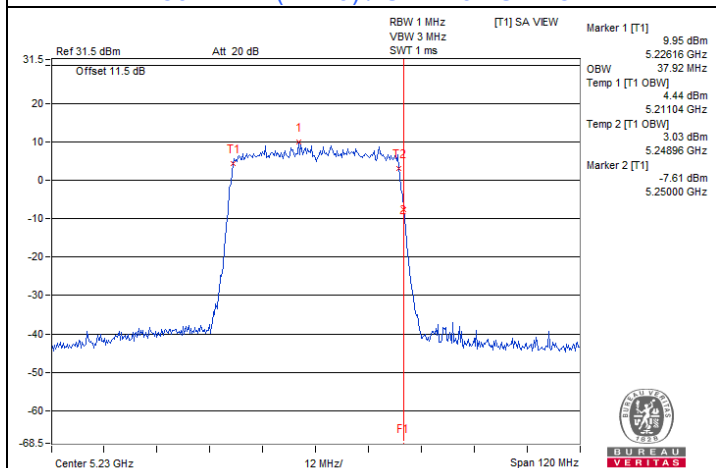
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



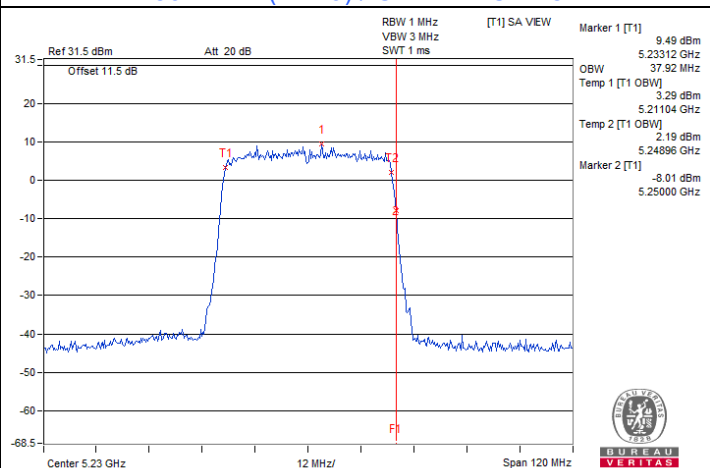
802.11ax (HE20) / Chain 0 : CH 48



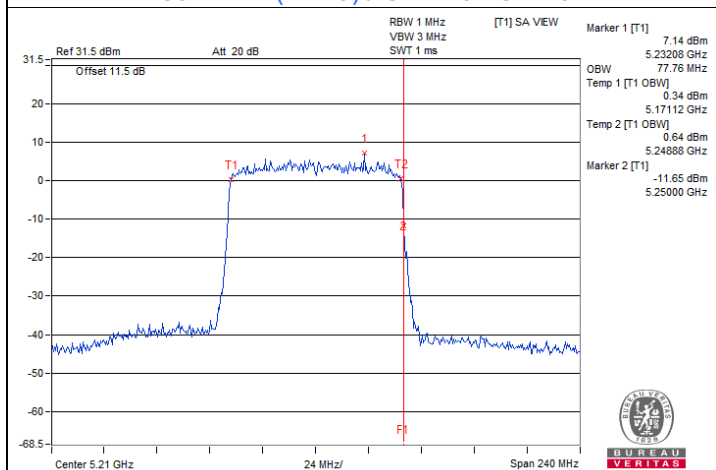
802.11ax (HE20) / Chain 1 : CH 48



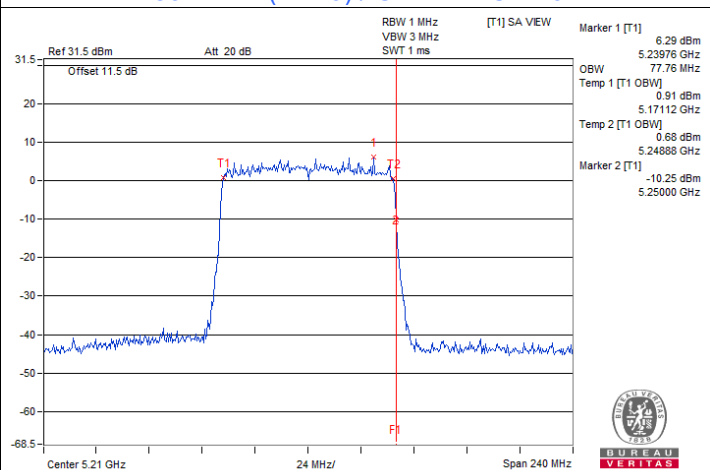
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46

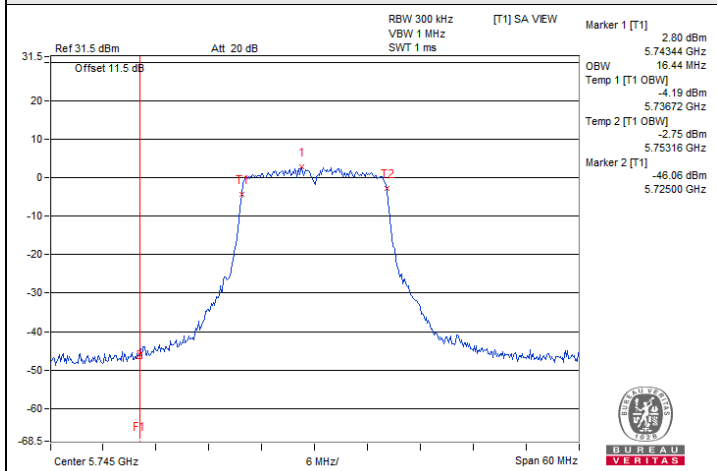


802.11ax (HE80) / Chain 0 : CH 42

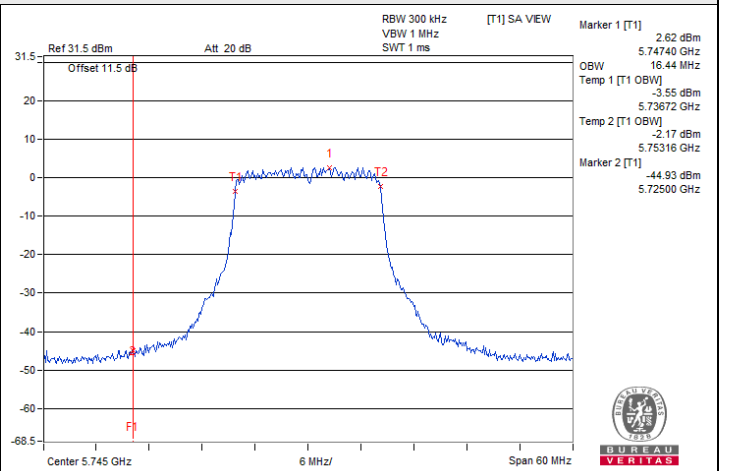


802.11ax (HE80) / Chain 1 : CH 42

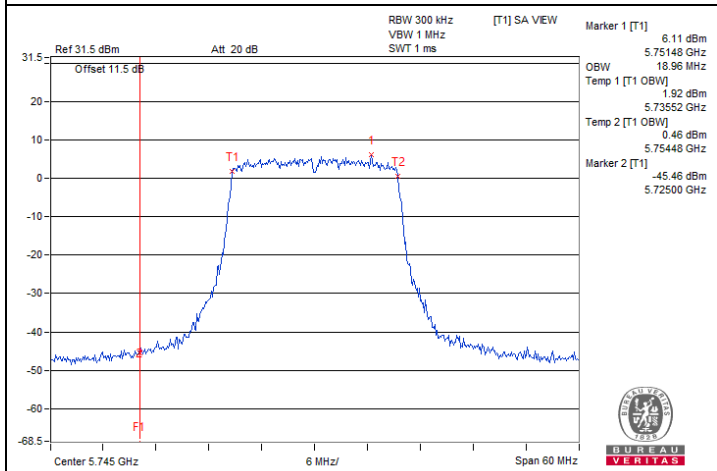
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



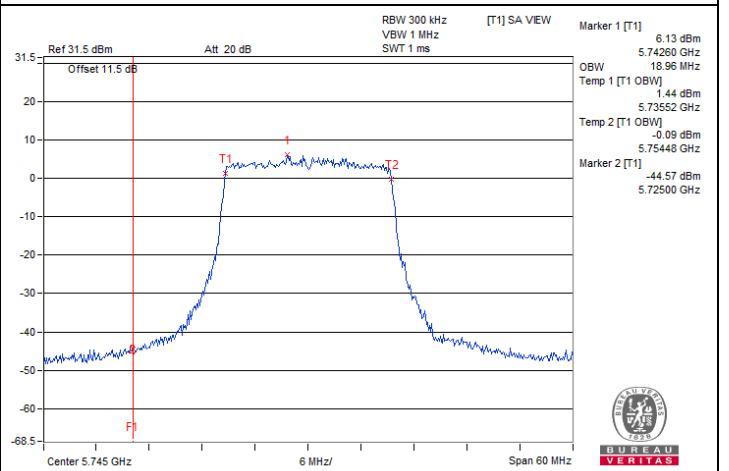
802.11a / Chain 0 : CH 149



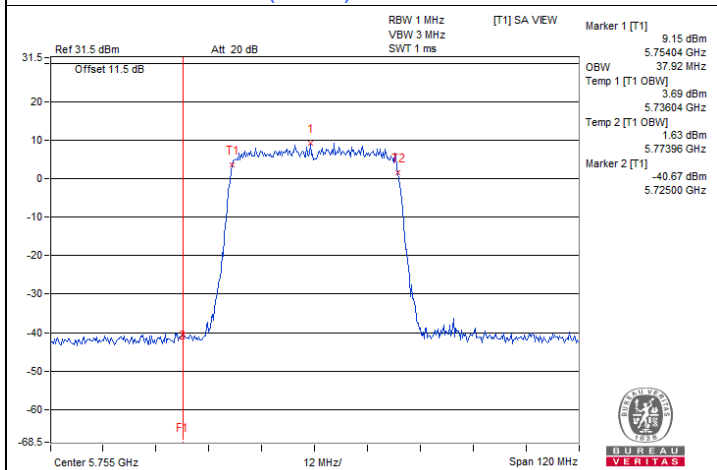
802.11a / Chain 1 : CH 149



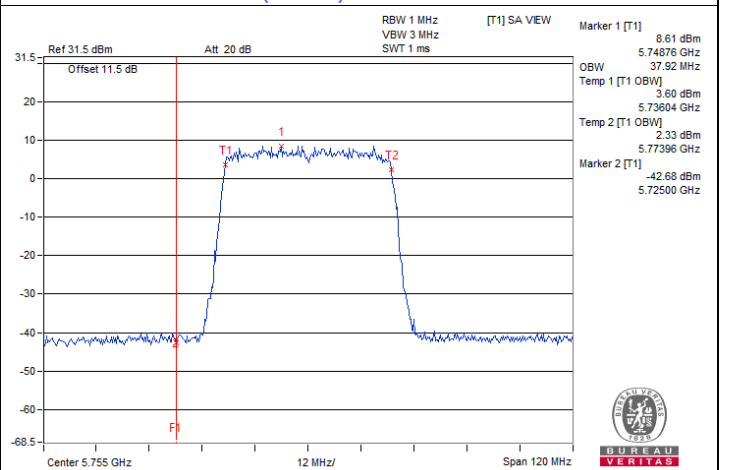
802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE20) / Chain 1 : CH 149

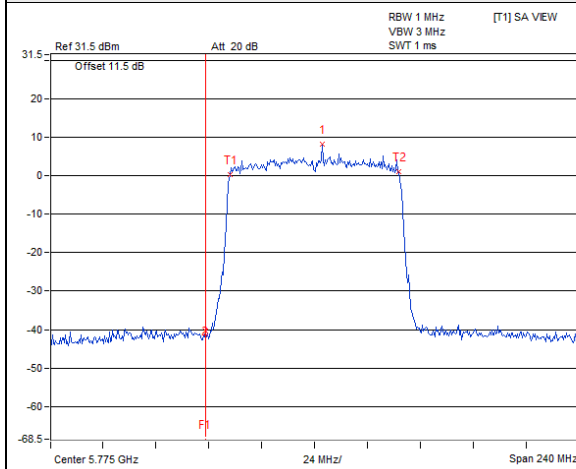


802.11ax (HE40) / Chain 0 : CH 151

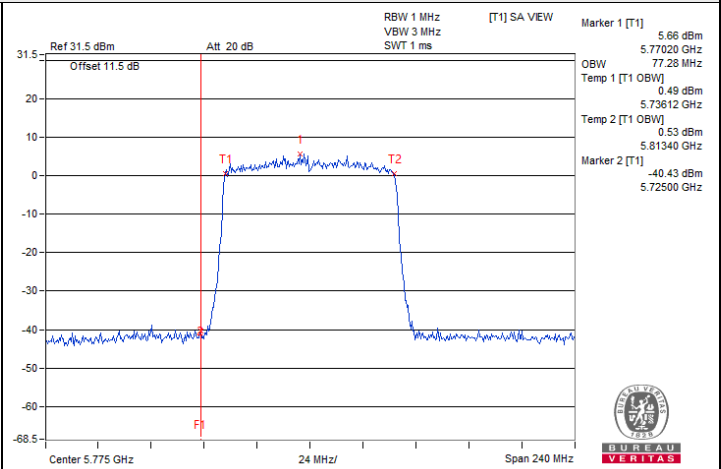


802.11ax (HE40) / Chain 1 : CH 151

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



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

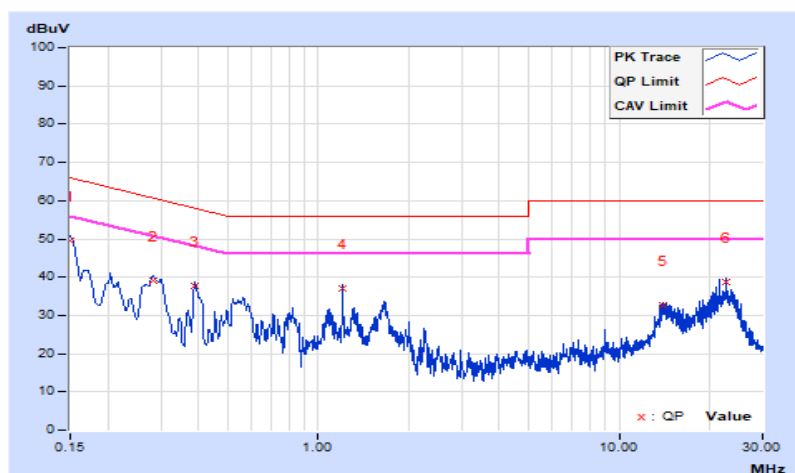
7.6 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

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	10.05	39.54	37.00	49.59	47.05	66.00	56.00	-16.41	-8.95
2	0.28214	10.05	29.07	21.02	39.12	31.07	60.75	50.75	-21.63	-19.68
3	0.38857	10.06	27.51	24.92	37.57	34.98	58.09	48.09	-20.52	-13.11
4	1.20789	10.12	26.81	26.36	36.93	36.48	56.00	46.00	-19.07	-9.52
5	14.08525	10.46	22.33	12.95	32.79	23.41	60.00	50.00	-27.21	-26.59
6	22.65817	10.60	28.25	19.34	38.85	29.94	60.00	50.00	-21.15	-20.06

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

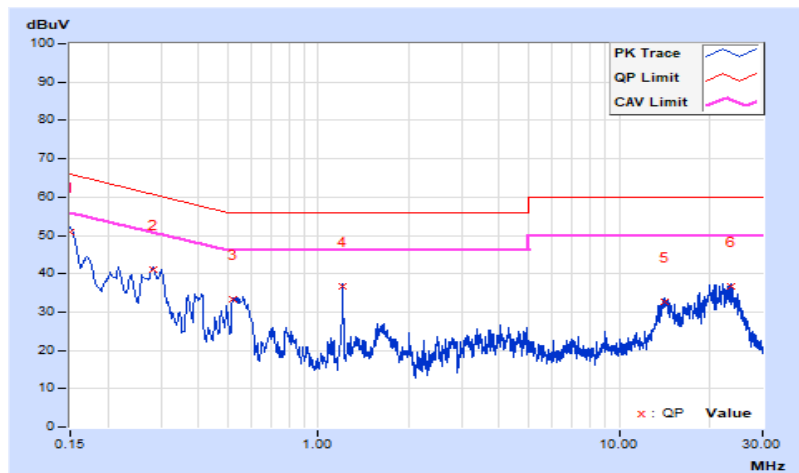


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

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	10.05	40.78	38.57	50.83	48.62	66.00	56.00	-15.17	-7.38
2	0.28289	10.04	31.16	22.40	41.20	32.44	60.73	50.73	-19.53	-18.29
3	0.51955	10.05	23.27	11.47	33.32	21.52	56.00	46.00	-22.68	-24.48
4	1.20789	10.11	26.53	26.39	36.64	36.50	56.00	46.00	-19.36	-9.50
5	14.13218	10.45	22.20	16.21	32.65	26.66	60.00	50.00	-27.35	-23.34
6	23.54987	10.57	26.05	18.00	36.62	28.57	60.00	50.00	-23.38	-21.43

Remarks:

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



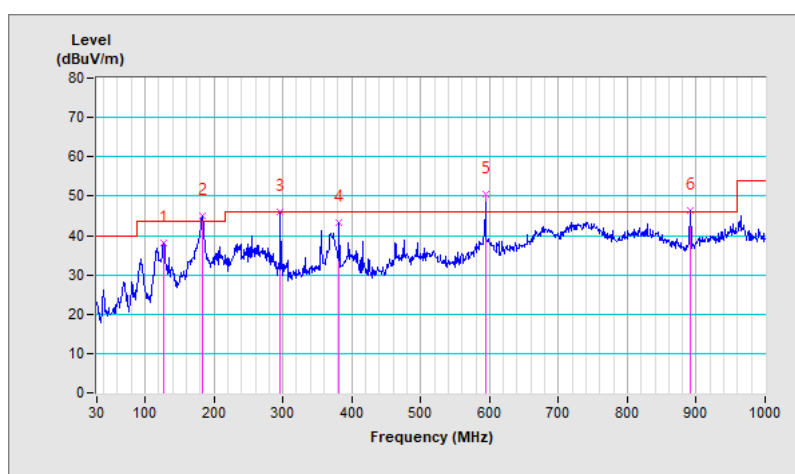
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 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	25 °C, 76% RH
Tested By	Dalen Dai		

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	126.03	38.2 QP	43.5	-5.3	1.00 H	213	48.1	-9.9
2	*182.29	44.9 QP	43.5	1.4	1.67 H	202	54.2	-9.3
3	*296.75	46.0 QP	46.0	0.0	1.84 H	139	51.8	-5.8
4	381.14	43.2 QP	46.0	-2.8	1.56 H	4	47.0	-3.8
5	*593.57	50.5 QP	46.0	4.5	1.68 H	250	49.3	1.2
6	*891.36	46.3 QP	46.0	0.3	1.49 H	265	39.3	7.0

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.
6. Radiation emissions were evaluated with the RF module turned off to determine whether the failing results were originating from the RF module (See RF module off Mode data).
After verification, the frequencies denoted by the * (which emissions are failing) have been identified as coming from unintentional emission signals brought out by the other digital circuits.

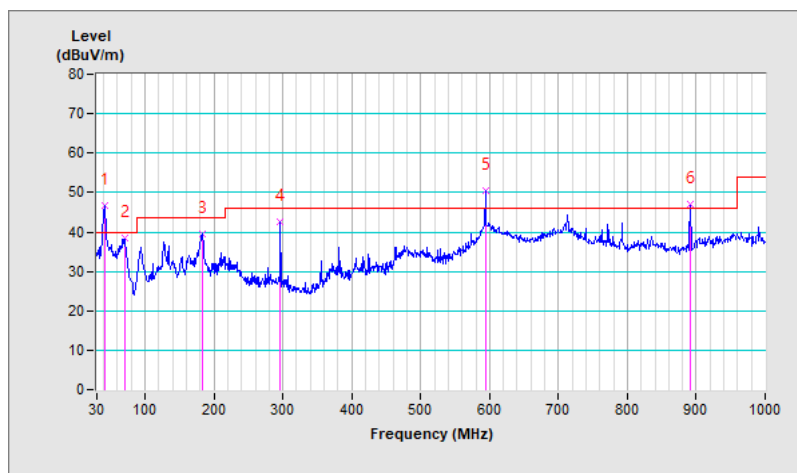


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

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	46.7 QP	40.0	6.7	1.68 V	268	56.0	-9.3
2	69.77	38.3 QP	40.0	-1.7	1.52 V	259	48.9	-10.6
3	182.29	39.6 QP	43.5	-3.9	1.77 V	185	48.9	-9.3
4	296.75	42.6 QP	46.0	-3.4	1.93 V	160	48.4	-5.8
5	*594.54	50.6 QP	46.0	4.6	2.11 V	320	49.4	1.2
6	*891.36	46.9 QP	46.0	0.9	1.54 V	200	39.9	7.0

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.
6. Radiation emissions were evaluated with the RF module turned off to determine whether the failing results were originating from the RF module (See RF module off Mode data).
After verification, the frequencies denoted by the * (which emissions are failing) have been identified as coming from unintentional emission signals brought out by the other digital circuits.



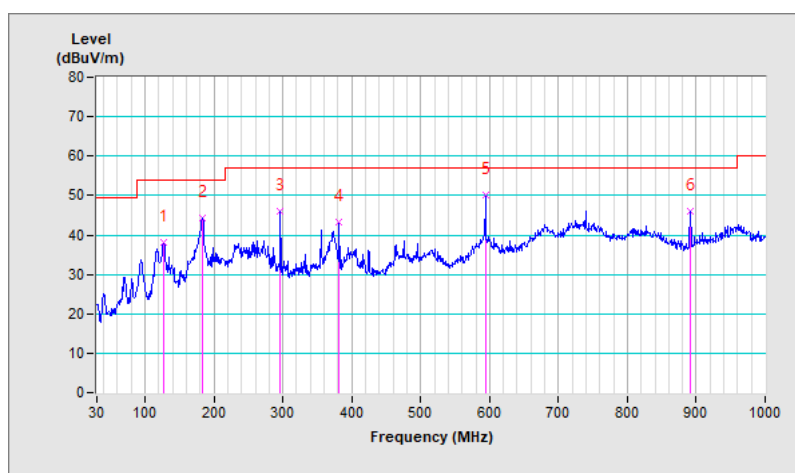
TX off

Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

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	126.03	38.2 QP	54.0	-15.8	1.00 H	213	48.1	-9.9
2	182.29	44.4 QP	54.0	-9.6	1.67 H	202	53.7	-9.3
3	296.75	46.0 QP	56.9	-10.9	1.84 H	139	51.8	-5.8
4	381.14	43.1 QP	56.9	-13.8	1.56 H	4	46.9	-3.8
5	593.57	50.0 QP	56.9	-6.9	1.68 H	250	48.8	1.2
6	891.36	46.0 QP	56.9	-10.9	1.49 H	265	39.0	7.0

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.
6. The EUT is Class A product, the non-RF signal meet the FCC Part 15, Subpart B Class A Limit.

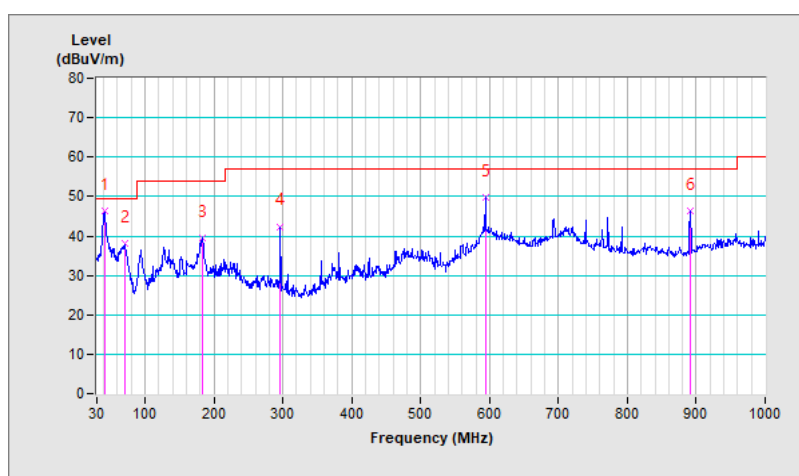


Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76% RH
Tested By	Dalen Dai		

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	46.4 QP	49.5	-3.1	1.68 V	268	55.7	-9.3
2	69.77	38.2 QP	49.5	-11.3	1.52 V	259	48.8	-10.6
3	182.29	39.6 QP	54.0	-14.4	1.77 V	185	48.9	-9.3
4	296.75	42.5 QP	56.9	-14.4	1.93 V	160	48.3	-5.8
5	594.54	49.9 QP	56.9	-7.0	2.11 V	320	48.7	1.2
6	891.36	46.5 QP	56.9	-10.4	1.54 V	200	39.5	7.0

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.
6. The EUT is Class A product, the non-RF signal meet the FCC Part 15, Subpart B Class A Limit.



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.3 PK	74.0	-9.7	2.06 H	22	56.5	7.8
2	5150.00	50.2 AV	54.0	-3.8	2.06 H	22	42.4	7.8
3	*5180.00	113.7 PK			2.06 H	22	105.6	8.1
4	*5180.00	103.7 AV			2.06 H	22	95.6	8.1
5	#10360.00	56.4 PK	68.2	-11.8	1.85 H	57	39.4	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	1.98 V	333	56.2	7.8
2	5150.00	49.9 AV	54.0	-4.1	1.98 V	333	42.1	7.8
3	*5180.00	102.6 PK			1.98 V	333	94.5	8.1
4	*5180.00	91.9 AV			1.98 V	333	83.8	8.1
5	#10360.00	56.0 PK	68.2	-12.2	1.69 V	354	39.0	17.0

Remarks:

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

RF Mode	802.11a	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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	*5200.00	113.4 PK			1.88 H	21	105.2	8.2
2	*5200.00	103.4 AV			1.88 H	21	95.2	8.2
3	#10400.00	56.1 PK	68.2	-12.1	1.65 H	56	39.1	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	102.3 PK			1.80 V	334	94.1	8.2
2	*5200.00	91.6 AV			1.80 V	334	83.4	8.2
3	#10400.00	55.7 PK	68.2	-12.5	1.51 V	355	38.7	17.0

Remarks:

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

RF Mode	802.11a	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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	113.3 PK			1.89 H	20	104.8	8.5
2	*5240.00	103.3 AV			1.89 H	20	94.8	8.5
3	5350.00	62.0 PK	74.0	-12.0	1.89 H	20	53.0	9.0
4	5350.00	49.0 AV	54.0	-5.0	1.89 H	20	40.0	9.0
5	#10480.00	56.0 PK	68.2	-12.2	1.66 H	55	38.7	17.3

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	*5240.00	102.2 PK			1.79 V	333	93.7	8.5
2	*5240.00	91.4 AV			1.79 V	333	82.9	8.5
3	5350.00	61.7 PK	74.0	-12.3	1.79 V	333	52.7	9.0
4	5350.00	48.7 AV	54.0	-5.3	1.79 V	333	39.7	9.0
5	#10480.00	55.6 PK	68.2	-12.6	1.50 V	354	38.3	17.3

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 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	2.01 H	22	55.6	7.8
2	5150.00	49.3 AV	54.0	-4.7	2.01 H	22	41.5	7.8
3	*5260.00	112.8 PK			2.01 H	22	104.1	8.7
4	*5260.00	102.8 AV			2.01 H	22	94.1	8.7
5	#10520.00	55.5 PK	68.2	-12.7	1.80 H	58	38.0	17.5
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	63.1 PK	74.0	-10.9	1.93 V	332	55.3	7.8
2	5150.00	49.0 AV	54.0	-5.0	1.93 V	332	41.2	7.8
3	*5260.00	101.7 PK			1.93 V	332	93.0	8.7
4	*5260.00	91.0 AV			1.93 V	332	82.3	8.7
5	#10520.00	55.1 PK	68.2	-13.1	1.64 V	353	37.6	17.5

Remarks:

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

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.4 PK			2.00 H	21	103.5	8.9
2	*5300.00	102.4 AV			2.00 H	21	93.5	8.9
3	10600.00	55.1 PK	74.0	-18.9	1.77 H	57	37.7	17.4
4	10600.00	43.2 AV	54.0	-10.8	1.77 H	57	25.8	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	101.3 PK			1.80 V	335	92.4	8.9
2	*5300.00	90.6 AV			1.80 V	335	81.7	8.9
3	10600.00	54.7 PK	74.0	-19.3	1.52 V	356	37.3	17.4
4	10600.00	42.8 AV	54.0	-11.2	1.52 V	356	25.4	17.4

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.0 PK			1.97 H	21	103.0	9.0
2	*5320.00	102.0 AV			1.97 H	21	93.0	9.0
3	5350.00	60.7 PK	74.0	-13.3	1.97 H	21	51.7	9.0
4	5350.00	47.7 AV	54.0	-6.3	1.97 H	21	38.7	9.0
5	10640.00	54.7 PK	74.0	-19.3	1.74 H	56	37.4	17.3
6	10640.00	42.8 AV	54.0	-11.2	1.74 H	56	25.5	17.3
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	*5320.00	100.9 PK			1.77 V	336	91.9	9.0
2	*5320.00	90.2 AV			1.77 V	336	81.2	9.0
3	5350.00	60.3 PK	74.0	-13.7	1.77 V	336	51.3	9.0
4	5350.00	47.3 AV	54.0	-6.7	1.77 V	336	38.3	9.0
5	10640.00	54.3 PK	74.0	-19.7	1.49 V	357	37.0	17.3
6	10640.00	42.4 AV	54.0	-11.6	1.49 V	357	25.1	17.3

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.

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	1.73 H	345	52.5	9.6
2	5460.00	49.3 AV	54.0	-4.7	1.73 H	345	39.7	9.6
3	#5470.00	63.7 PK	68.2	-4.5	1.73 H	345	53.9	9.8
4	*5500.00	111.0 PK			1.73 H	345	101.0	10.0
5	*5500.00	101.0 AV			1.73 H	345	91.0	10.0
6	11000.00	53.7 PK	74.0	-20.3	1.50 H	20	35.2	18.5
7	11000.00	41.8 AV	54.0	-12.2	1.50 H	20	23.3	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	1.53 V	300	52.1	9.6
2	5460.00	49.0 AV	54.0	-5.0	1.53 V	300	39.4	9.6
3	#5470.00	63.3 PK	68.2	-4.9	1.53 V	300	53.5	9.8
4	*5500.00	99.9 PK			1.53 V	300	89.9	10.0
5	*5500.00	89.2 AV			1.53 V	300	79.2	10.0
6	11000.00	53.3 PK	74.0	-20.7	1.25 V	321	34.8	18.5
7	11000.00	41.4 AV	54.0	-12.6	1.25 V	321	22.9	18.5

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.1 PK			1.80 H	334	102.6	9.5
2	*5580.00	102.1 AV			1.80 H	334	92.6	9.5
3	11160.00	54.8 PK	74.0	-19.2	1.57 H	9	35.4	19.4
4	11160.00	42.9 AV	54.0	-11.1	1.57 H	9	23.5	19.4
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	*5580.00	101.0 PK			1.60 V	311	91.5	9.5
2	*5580.00	90.3 AV			1.60 V	311	80.8	9.5
3	11160.00	54.4 PK	74.0	-19.6	1.32 V	332	35.0	19.4
4	11160.00	42.5 AV	54.0	-11.5	1.32 V	332	23.1	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.9 PK			1.90 H	336	104.0	8.9
2	*5700.00	102.9 AV			1.90 H	336	94.0	8.9
3	#5725.00	63.1 PK	68.2	-5.1	1.90 H	336	54.1	9.0
4	11400.00	55.6 PK	74.0	-18.4	1.67 H	11	36.1	19.5
5	11400.00	43.7 AV	54.0	-10.3	1.67 H	11	24.2	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	101.8 PK			1.70 V	313	92.9	8.9
2	*5700.00	91.1 AV			1.70 V	313	82.2	8.9
3	#5725.00	62.8 PK	68.2	-5.4	1.70 V	313	53.8	9.0
4	11400.00	55.2 PK	74.0	-18.8	1.22 V	334	35.7	19.5
5	11400.00	43.3 AV	54.0	-10.7	1.22 V	334	23.8	19.5

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.5 PK	68.2	-5.7	1.86 H	337	52.7	9.8
2	*5720.00	115.9 PK			1.86 H	337	106.9	9.0
3	*5720.00	105.4 AV			1.86 H	337	96.4	9.0
4	11440.00	55.6 PK	74.0	-18.4	1.62 H	13	36.2	19.4
5	11440.00	43.7 AV	54.0	-10.3	1.62 H	13	24.3	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.1 PK	68.2	-6.1	1.65 V	313	52.3	9.8
2	*5720.00	104.8 PK			1.65 V	313	95.8	9.0
3	*5720.00	95.1 AV			1.65 V	313	86.1	9.0
4	11440.00	55.2 PK	74.0	-18.8	1.18 V	334	35.8	19.4
5	11440.00	43.3 AV	54.0	-10.7	1.18 V	334	23.9	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	#5632.80	62.1 PK	68.2	-6.1	1.94 H	338	53.0	9.1
2	*5745.00	113.3 PK			1.94 H	338	104.4	8.9
3	*5745.00	103.3 AV			1.94 H	338	94.4	8.9
4	#5948.00	61.6 PK	68.2	-6.6	1.94 H	338	52.8	8.8
5	11490.00	56.0 PK	74.0	-18.0	1.71 H	13	36.6	19.4
6	11490.00	44.1 AV	54.0	-9.9	1.71 H	13	24.7	19.4
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	#5626.80	62.7 PK	68.2	-5.5	1.74 V	315	53.6	9.1
2	*5745.00	102.2 PK			1.74 V	315	93.3	8.9
3	*5745.00	91.5 AV			1.74 V	315	82.6	8.9
4	#5975.60	61.9 PK	68.2	-6.3	1.74 V	315	53.1	8.8
5	11490.00	55.6 PK	74.0	-18.4	1.26 V	336	36.2	19.4
6	11490.00	43.7 AV	54.0	-10.3	1.26 V	336	24.3	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	#5618.40	61.7 PK	68.2	-6.5	1.94 H	339	52.4	9.3
2	*5785.00	113.5 PK			1.94 H	339	104.4	9.1
3	*5785.00	103.5 AV			1.94 H	339	94.4	9.1
4	#5977.20	61.1 PK	68.2	-7.1	1.94 H	339	52.3	8.8
5	11570.00	56.2 PK	74.0	-17.8	1.70 H	14	36.8	19.4
6	11570.00	44.3 AV	54.0	-9.7	1.70 H	14	24.9	19.4
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	#5610.00	62.5 PK	68.2	-5.7	1.73 V	316	53.2	9.3
2	*5785.00	102.4 PK			1.73 V	316	93.3	9.1
3	*5785.00	91.7 AV			1.73 V	316	82.6	9.1
4	#5961.20	61.9 PK	68.2	-6.3	1.73 V	316	53.1	8.8
5	11570.00	55.8 PK	74.0	-18.2	1.26 V	337	36.4	19.4
6	11570.00	43.9 AV	54.0	-10.1	1.26 V	337	24.5	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	#5604.00	62.4 PK	68.2	-5.8	1.77 H	337	53.0	9.4
2	*5825.00	112.5 PK			1.77 H	337	103.5	9.0
3	*5825.00	102.5 AV			1.77 H	337	93.5	9.0
4	#5949.20	62.3 PK	68.2	-5.9	1.77 H	337	53.5	8.8
5	11650.00	55.2 PK	74.0	-18.8	1.53 H	12	35.7	19.5
6	11650.00	43.3 AV	54.0	-10.7	1.53 H	12	23.8	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.60	62.5 PK	68.2	-5.7	1.56 V	314	53.4	9.1
2	*5825.00	101.4 PK			1.56 V	314	92.4	9.0
3	*5825.00	90.7 AV			1.56 V	314	81.7	9.0
4	#5955.60	61.6 PK	68.2	-6.6	1.56 V	314	52.8	8.8
5	11650.00	54.8 PK	74.0	-19.2	1.09 V	335	35.3	19.5
6	11650.00	42.9 AV	54.0	-11.1	1.09 V	335	23.4	19.5

Remarks:

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

RF Mode	802.11ax (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	2.08 H	21	55.9	7.8
2	5150.00	50.2 AV	54.0	-3.8	2.08 H	21	42.4	7.8
3	*5180.00	118.4 PK			2.08 H	21	110.3	8.1
4	*5180.00	105.4 AV			2.08 H	21	97.3	8.1
5	#10360.00	55.7 PK	68.2	-12.5	1.87 H	56	38.7	17.0

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.3 PK	74.0	-10.7	2.00 V	332	55.5	7.8
2	5150.00	49.8 AV	54.0	-4.2	2.00 V	332	42.0	7.8
3	*5180.00	107.3 PK			2.00 V	332	99.2	8.1
4	*5180.00	97.3 AV			2.00 V	332	89.2	8.1
5	#10360.00	55.3 PK	68.2	-12.9	1.71 V	353	38.3	17.0

Remarks:

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

RF Mode	802.11ax (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	*5200.00	118.1 PK			2.09 H	22	109.9	8.2
2	*5200.00	105.1 AV			2.09 H	22	96.9	8.2
3	#10400.00	55.4 PK	68.2	-12.8	1.88 H	57	38.4	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.0 PK			2.01 V	331	98.8	8.2
2	*5200.00	97.0 AV			2.01 V	331	88.8	8.2
3	#10400.00	55.0 PK	68.2	-13.2	1.72 V	352	38.0	17.0

Remarks:

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

RF Mode	802.11ax (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	117.8 PK			1.74 H	20	109.3	8.5
2	*5240.00	104.8 AV			1.74 H	20	96.3	8.5
3	5350.00	62.0 PK	74.0	-12.0	1.74 H	20	53.0	9.0
4	5350.00	48.9 AV	54.0	-5.1	1.74 H	20	39.9	9.0
5	#10480.00	55.1 PK	68.2	-13.1	1.53 H	55	37.8	17.3
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	*5240.00	106.7 PK			1.66 V	329	98.2	8.5
2	*5240.00	96.7 AV			1.66 V	329	88.2	8.5
3	5350.00	61.6 PK	74.0	-12.4	1.66 V	329	52.6	9.0
4	5350.00	48.3 AV	54.0	-5.7	1.66 V	329	39.3	9.0
5	#10480.00	54.7 PK	68.2	-13.5	1.37 V	350	37.4	17.3

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 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	63.0 PK	74.0	-11.0	1.95 H	22	55.2	7.8
2	5150.00	49.5 AV	54.0	-4.5	1.95 H	22	41.7	7.8
3	*5260.00	117.7 PK			1.95 H	22	109.0	8.7
4	*5260.00	104.7 AV			1.95 H	22	96.0	8.7
5	#10520.00	55.0 PK	68.2	-13.2	1.74 H	57	37.5	17.5
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	62.7 PK	74.0	-11.3	1.87 V	331	54.9	7.8
2	5150.00	49.2 AV	54.0	-4.8	1.87 V	331	41.4	7.8
3	*5260.00	106.6 PK			1.87 V	331	97.9	8.7
4	*5260.00	96.6 AV			1.87 V	331	87.9	8.7
5	#10520.00	54.6 PK	68.2	-13.6	1.58 V	354	37.1	17.5

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 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.4 PK			1.97 H	24	108.5	8.9
2	*5300.00	104.4 AV			1.97 H	24	95.5	8.9
3	10600.00	56.3 PK	74.0	-17.7	1.72 H	59	38.9	17.4
4	10600.00	42.7 AV	54.0	-11.3	1.72 H	59	25.3	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	106.3 PK			1.89 V	329	97.4	8.9
2	*5300.00	96.3 AV			1.89 V	329	87.4	8.9
3	10600.00	55.9 PK	74.0	-18.1	1.57 V	352	38.5	17.4
4	10600.00	42.3 AV	54.0	-11.7	1.57 V	352	24.9	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	117.4 PK			1.94 H	17	108.4	9.0
2	*5320.00	104.4 AV			1.94 H	17	95.4	9.0
3	5350.00	62.2 PK	74.0	-11.8	1.94 H	17	53.2	9.0
4	5350.00	49.1 AV	54.0	-4.9	1.94 H	17	40.1	9.0
5	10640.00	56.3 PK	74.0	-17.7	1.69 H	55	39.0	17.3
6	10640.00	42.7 AV	54.0	-11.3	1.69 H	55	25.4	17.3
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	*5320.00	106.3 PK			1.86 V	324	97.3	9.0
2	*5320.00	96.3 AV			1.86 V	324	87.3	9.0
3	5350.00	61.8 PK	74.0	-12.2	1.86 V	324	52.8	9.0
4	5350.00	48.7 AV	54.0	-5.3	1.86 V	324	39.7	9.0
5	10640.00	55.9 PK	74.0	-18.1	1.54 V	345	38.6	17.3
6	10640.00	42.3 AV	54.0	-11.7	1.54 V	345	25.0	17.3

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.

RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	1.83 H	334	52.5	9.6
2	5460.00	49.3 AV	54.0	-4.7	1.83 H	334	39.7	9.6
3	#5470.00	62.3 PK	68.2	-5.9	1.83 H	334	52.5	9.8
4	*5500.00	117.2 PK			1.83 H	334	107.2	10.0
5	*5500.00	104.2 AV			1.83 H	334	94.2	10.0
6	11000.00	56.1 PK	74.0	-17.9	1.58 H	10	37.6	18.5
7	11000.00	42.5 AV	54.0	-11.5	1.58 H	10	24.0	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.75 V	281	52.2	9.6
2	5460.00	49.0 AV	54.0	-5.0	1.75 V	281	39.4	9.6
3	#5470.00	62.0 PK	68.2	-6.2	1.75 V	281	52.2	9.8
4	*5500.00	106.0 PK			1.75 V	281	96.0	10.0
5	*5500.00	96.0 AV			1.75 V	281	86.0	10.0
6	11000.00	55.7 PK	74.0	-18.3	1.43 V	302	37.2	18.5
7	11000.00	42.1 AV	54.0	-11.9	1.43 V	302	23.6	18.5

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 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	116.0 PK			1.87 H	335	106.5	9.5
2	*5580.00	103.0 AV			1.87 H	335	93.5	9.5
3	11160.00	54.9 PK	74.0	-19.1	1.64 H	13	35.5	19.4
4	11160.00	41.3 AV	54.0	-12.7	1.64 H	13	21.9	19.4
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	*5580.00	104.8 PK			1.81 V	282	95.3	9.5
2	*5580.00	94.8 AV			1.81 V	282	85.3	9.5
3	11160.00	54.5 PK	74.0	-19.5	1.47 V	303	35.1	19.4
4	11160.00	40.9 AV	54.0	-13.1	1.47 V	303	21.5	19.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.9 PK			1.89 H	339	109.0	8.9
2	*5700.00	104.9 AV			1.89 H	339	96.0	8.9
3	#5725.00	63.6 PK	68.2	-4.6	1.89 H	339	54.6	9.0
4	11400.00	56.8 PK	74.0	-17.2	1.66 H	17	37.3	19.5
5	11400.00	43.2 AV	54.0	-10.8	1.66 H	17	23.7	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.7 PK			1.83 V	278	97.8	8.9
2	*5700.00	96.7 AV			1.83 V	278	87.8	8.9
3	#5725.00	63.2 PK	68.2	-5.0	1.83 V	278	54.2	9.0
4	11400.00	56.4 PK	74.0	-17.6	1.49 V	299	36.9	19.5
5	11400.00	42.8 AV	54.0	-11.2	1.49 V	299	23.3	19.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.8 PK	68.2	-5.4	1.89 H	339	53.0	9.8
2	*5720.00	117.8 PK			1.89 H	339	108.8	9.0
3	*5720.00	105.1 AV			1.89 H	339	96.1	9.0
4	11440.00	55.9 PK	74.0	-18.1	1.65 H	15	36.5	19.4
5	11440.00	44.0 AV	54.0	-10.0	1.65 H	15	24.6	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.4 PK	68.2	-5.8	1.62 V	315	52.6	9.8
2	*5720.00	106.7 PK			1.62 V	315	97.7	9.0
3	*5720.00	94.8 AV			1.62 V	315	85.8	9.0
4	11440.00	55.5 PK	74.0	-18.5	1.15 V	336	36.1	19.4
5	11440.00	43.6 AV	54.0	-10.4	1.15 V	336	24.2	19.4

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5600.80	62.5 PK	68.2	-5.7	1.95 H	340	53.1	9.4
2	*5745.00	117.5 PK			1.95 H	340	108.6	8.9
3	*5745.00	104.5 AV			1.95 H	340	95.6	8.9
4	#5940.00	62.6 PK	68.2	-5.6	1.95 H	340	53.8	8.8
5	11490.00	56.4 PK	74.0	-17.6	1.72 H	18	37.0	19.4
6	11490.00	42.8 AV	54.0	-11.2	1.72 H	18	23.4	19.4
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	#5630.40	63.0 PK	68.2	-5.2	1.89 V	279	53.9	9.1
2	*5745.00	106.3 PK			1.89 V	279	97.4	8.9
3	*5745.00	96.3 AV			1.89 V	279	87.4	8.9
4	#5971.20	62.0 PK	68.2	-6.2	1.89 V	279	53.2	8.8
5	11490.00	56.0 PK	74.0	-18.0	1.55 V	298	36.6	19.4
6	11490.00	42.4 AV	54.0	-11.6	1.55 V	298	23.0	19.4

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.60	62.8 PK	68.2	-5.4	1.92 H	339	53.7	9.1
2	*5785.00	117.9 PK			1.92 H	339	108.8	9.1
3	*5785.00	104.9 AV			1.92 H	339	95.8	9.1
4	#5937.60	61.8 PK	68.2	-6.4	1.92 H	339	53.0	8.8
5	11570.00	56.8 PK	74.0	-17.2	1.69 H	17	37.4	19.4
6	11570.00	43.2 AV	54.0	-10.8	1.69 H	17	23.8	19.4
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	#5638.80	62.6 PK	68.2	-5.6	1.86 V	278	53.5	9.1
2	*5785.00	106.7 PK			1.86 V	278	97.6	9.1
3	*5785.00	96.7 AV			1.86 V	278	87.6	9.1
4	#5932.00	61.3 PK	68.2	-6.9	1.86 V	278	52.5	8.8
5	11570.00	56.4 PK	74.0	-17.6	1.52 V	297	37.0	19.4
6	11570.00	42.8 AV	54.0	-11.2	1.52 V	297	23.4	19.4

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	#5619.20	62.5 PK	68.2	-5.7	1.80 H	341	53.2	9.3
2	*5825.00	117.4 PK			1.80 H	341	108.4	9.0
3	*5825.00	104.4 AV			1.80 H	341	95.4	9.0
4	#5925.60	61.9 PK	68.2	-6.3	1.80 H	341	53.2	8.7
5	11650.00	56.3 PK	74.0	-17.7	1.57 H	19	36.8	19.5
6	11650.00	42.7 AV	54.0	-11.3	1.57 H	19	23.2	19.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.40	62.3 PK	68.2	-5.9	1.74 V	280	53.0	9.3
2	*5825.00	106.2 PK			1.74 V	280	97.2	9.0
3	*5825.00	96.2 AV			1.74 V	280	87.2	9.0
4	#5945.20	62.2 PK	68.2	-6.0	1.74 V	280	53.4	8.8
5	11650.00	55.9 PK	74.0	-18.1	1.40 V	299	36.4	19.5
6	11650.00	42.3 AV	54.0	-11.7	1.40 V	299	22.8	19.5

Remarks:

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

RF Mode	802.11ax (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	1.91 H	21	58.8	7.8
2	5150.00	51.8 AV	54.0	-2.2	1.91 H	21	44.0	7.8
3	*5190.00	115.9 PK			1.91 H	21	107.8	8.1
4	*5190.00	102.5 AV			1.91 H	21	94.4	8.1
5	#10380.00	53.2 PK	68.2	-15.0	1.70 H	55	36.1	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.0 PK	74.0	-11.0	1.83 V	331	55.2	7.8
2	5150.00	49.5 AV	54.0	-4.5	1.83 V	331	41.7	7.8
3	*5190.00	104.8 PK			1.83 V	331	96.7	8.1
4	*5190.00	94.4 AV			1.83 V	331	86.3	8.1
5	#10380.00	52.8 PK	68.2	-15.4	1.54 V	352	35.7	17.1

Remarks:

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

RF Mode	802.11ax (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	*5230.00	115.4 PK			2.08 H	20	106.9	8.5
2	*5230.00	102.0 AV			2.08 H	20	93.5	8.5
3	5350.00	62.0 PK	74.0	-12.0	2.08 H	20	53.0	9.0
4	5350.00	48.9 AV	54.0	-5.1	2.08 H	20	39.9	9.0
5	#10460.00	52.7 PK	68.2	-15.5	1.87 H	54	35.4	17.3
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	*5230.00	104.3 PK			2.00 V	332	95.8	8.5
2	*5230.00	93.9 AV			2.00 V	332	85.4	8.5
3	5350.00	61.6 PK	74.0	-12.4	2.00 V	332	52.6	9.0
4	5350.00	48.3 AV	54.0	-5.7	2.00 V	332	39.3	9.0
5	#10460.00	52.3 PK	68.2	-15.9	1.71 V	353	35.0	17.3

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 (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	1.83 H	18	54.0	7.8
2	5150.00	48.7 AV	54.0	-5.3	1.83 H	18	40.9	7.8
3	*5270.00	115.2 PK			1.83 H	18	106.5	8.7
4	*5270.00	101.8 AV			1.83 H	18	93.1	8.7
5	#10540.00	52.5 PK	68.2	-15.7	1.62 H	52	35.1	17.4
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	61.4 PK	74.0	-12.6	1.75 V	330	53.6	7.8
2	5150.00	48.3 AV	54.0	-5.7	1.75 V	330	40.5	7.8
3	*5270.00	104.1 PK			1.75 V	330	95.4	8.7
4	*5270.00	93.7 AV			1.75 V	330	85.0	8.7
5	#10540.00	52.1 PK	68.2	-16.1	1.46 V	351	34.7	17.4

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 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	61.2 PK	74.0	-12.8	1.82 H	17	53.4	7.8
2	5150.00	48.1 AV	54.0	-5.9	1.82 H	17	40.3	7.8
3	*5310.00	114.6 PK			1.82 H	17	105.6	9.0
4	*5310.00	101.2 AV			1.82 H	17	92.2	9.0
5	10620.00	51.9 PK	74.0	-22.1	1.61 H	53	34.5	17.4
6	10620.00	38.3 AV	54.0	-15.7	1.61 H	53	20.9	17.4
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	60.8 PK	74.0	-13.2	1.74 V	329	53.0	7.8
2	5150.00	47.7 AV	54.0	-6.3	1.74 V	329	39.9	7.8
3	*5310.00	103.5 PK			1.74 V	329	94.5	9.0
4	*5310.00	93.1 AV			1.74 V	329	84.1	9.0
5	10620.00	51.5 PK	74.0	-22.5	1.45 V	350	34.1	17.4
6	10620.00	37.9 AV	54.0	-16.1	1.45 V	350	20.5	17.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	1.80 H	332	52.9	9.6
2	5460.00	49.6 AV	54.0	-4.4	1.80 H	332	40.0	9.6
3	#5470.00	64.2 PK	68.2	-4.0	1.80 H	332	54.4	9.8
4	*5510.00	114.5 PK			1.80 H	332	104.5	10.0
5	*5510.00	101.1 AV			1.80 H	332	91.1	10.0
6	11020.00	51.8 PK	74.0	-22.2	1.59 H	8	33.1	18.7
7	11020.00	38.2 AV	54.0	-15.8	1.59 H	8	19.5	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	1.72 V	14	52.5	9.6
2	5460.00	49.2 AV	54.0	-4.8	1.72 V	14	39.6	9.6
3	#5470.00	63.4 PK	68.2	-4.8	1.72 V	14	53.6	9.8
4	*5510.00	103.4 PK			1.72 V	14	93.4	10.0
5	*5510.00	93.0 AV			1.72 V	14	83.0	10.0
6	11020.00	51.4 PK	74.0	-22.6	1.51 V	323	32.7	18.7
7	11020.00	37.8 AV	54.0	-16.2	1.51 V	323	19.1	18.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	115.3 PK			1.78 H	330	105.5	9.8
2	*5550.00	101.9 AV			1.78 H	330	92.1	9.8
3	11100.00	52.6 PK	74.0	-21.4	1.57 H	10	33.2	19.4
4	11100.00	39.0 AV	54.0	-15.0	1.57 H	10	19.6	19.4
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	*5550.00	104.2 PK			1.70 V	16	94.4	9.8
2	*5550.00	93.8 AV			1.70 V	16	84.0	9.8
3	11100.00	52.2 PK	74.0	-21.8	1.53 V	325	32.8	19.4
4	11100.00	38.6 AV	54.0	-15.4	1.53 V	325	19.2	19.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	115.3 PK			1.79 H	337	106.3	9.0
2	*5670.00	101.9 AV			1.79 H	337	92.9	9.0
3	#5725.00	63.5 PK	68.2	-4.7	1.79 H	337	54.5	9.0
4	11340.00	52.5 PK	74.0	-21.5	1.58 H	17	33.1	19.4
5	11340.00	38.9 AV	54.0	-15.1	1.58 H	17	19.5	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	104.1 PK			1.71 V	23	95.1	9.0
2	*5670.00	93.7 AV			1.71 V	23	84.7	9.0
3	#5725.00	63.1 PK	68.2	-5.1	1.71 V	23	54.1	9.0
4	11340.00	52.1 PK	74.0	-21.9	1.52 V	318	32.7	19.4
5	11340.00	38.5 AV	54.0	-15.5	1.52 V	318	19.1	19.4

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 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.3 PK	68.2	-5.9	1.87 H	340	52.5	9.8
2	*5710.00	115.8 PK			1.87 H	340	106.8	9.0
3	*5710.00	102.6 AV			1.87 H	340	93.6	9.0
4	11420.00	55.4 PK	74.0	-18.6	1.63 H	16	36.0	19.4
5	11420.00	43.5 AV	54.0	-10.5	1.63 H	16	24.1	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.9 PK	68.2	-6.3	1.59 V	316	52.1	9.8
2	*5710.00	104.7 PK			1.59 V	316	95.7	9.0
3	*5710.00	91.9 AV			1.59 V	316	82.9	9.0
4	11420.00	55.0 PK	74.0	-19.0	1.16 V	339	35.6	19.4
5	11420.00	43.1 AV	54.0	-10.9	1.16 V	339	23.7	19.4

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 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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5610.40	63.0 PK	68.2	-5.2	1.86 H	335	53.7	9.3
2	*5755.00	115.0 PK			1.86 H	335	106.0	9.0
3	*5755.00	101.6 AV			1.86 H	335	92.6	9.0
4	#5972.00	62.0 PK	68.2	-6.2	1.86 H	335	53.2	8.8
5	11510.00	52.2 PK	74.0	-21.8	1.65 H	19	32.8	19.4
6	11510.00	38.6 AV	54.0	-15.4	1.65 H	19	19.2	19.4
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	#5607.60	62.6 PK	68.2	-5.6	1.78 V	25	53.3	9.3
2	*5755.00	103.8 PK			1.78 V	25	94.8	9.0
3	*5755.00	93.4 AV			1.78 V	25	84.4	9.0
4	#5972.40	61.6 PK	68.2	-6.6	1.78 V	25	52.8	8.8
5	11510.00	51.8 PK	74.0	-22.2	1.59 V	320	32.4	19.4
6	11510.00	38.2 AV	54.0	-15.8	1.59 V	320	18.8	19.4

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 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	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.40	63.3 PK	68.2	-4.9	1.72 H	340	54.0	9.3
2	*5795.00	115.1 PK			1.72 H	340	105.9	9.2
3	*5795.00	101.7 AV			1.72 H	340	92.5	9.2
4	#5950.00	62.5 PK	68.2	-5.7	1.72 H	340	53.7	8.8
5	11590.00	52.3 PK	74.0	-21.7	1.51 H	14	32.9	19.4
6	11590.00	38.7 AV	54.0	-15.3	1.51 H	14	19.3	19.4
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	#5631.60	63.1 PK	68.2	-5.1	1.80 V	27	54.0	9.1
2	*5795.00	103.9 PK			1.80 V	27	94.7	9.2
3	*5795.00	93.5 AV			1.80 V	27	84.3	9.2
4	#5932.80	61.8 PK	68.2	-6.4	1.80 V	27	53.0	8.8
5	11590.00	51.9 PK	74.0	-22.1	1.61 V	322	32.5	19.4
6	11590.00	38.3 AV	54.0	-15.7	1.61 V	322	18.9	19.4

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

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	67.0 PK	74.0	-7.0	1.94 H	22	59.2	7.8
2	5150.00	53.8 AV	54.0	-0.2	1.94 H	22	46.0	7.8
3	*5210.00	113.5 PK			1.94 H	22	105.3	8.2
4	*5210.00	99.7 AV			1.94 H	22	91.5	8.2
5	5350.00	63.8 PK	74.0	-10.2	1.94 H	22	54.8	9.0
6	5350.00	49.7 AV	54.0	-4.3	1.94 H	22	40.7	9.0
7	#10420.00	50.7 PK	68.2	-17.5	1.73 H	334	33.6	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.5 PK	74.0	-10.5	1.57 V	344	55.7	7.8
2	5150.00	50.7 AV	54.0	-3.3	1.57 V	344	42.9	7.8
3	*5210.00	102.3 PK			1.57 V	344	94.1	8.2
4	*5210.00	88.5 AV			1.57 V	344	80.3	8.2
5	5350.00	63.4 PK	74.0	-10.6	1.57 V	344	54.4	9.0
6	5350.00	49.3 AV	54.0	-4.7	1.57 V	344	40.3	9.0
7	#10420.00	50.3 PK	68.2	-17.9	1.36 V	2	33.2	17.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.91 H	23	55.6	7.8
2	5150.00	50.2 AV	54.0	-3.8	1.91 H	23	42.4	7.8
3	*5290.00	113.9 PK			1.91 H	23	105.1	8.8
4	*5290.00	100.1 AV			1.91 H	23	91.3	8.8
5	5350.00	62.7 PK	74.0	-11.3	1.91 H	23	53.7	9.0
6	5350.00	49.8 AV	54.0	-4.2	1.91 H	23	40.8	9.0
7	#10580.00	51.1 PK	68.2	-17.1	1.70 H	335	33.6	17.5
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	63.0 PK	74.0	-11.0	1.54 V	343	55.2	7.8
2	5150.00	49.8 AV	54.0	-4.2	1.54 V	343	42.0	7.8
3	*5290.00	102.7 PK			1.54 V	343	93.9	8.8
4	*5290.00	88.9 AV			1.54 V	343	80.1	8.8
5	5350.00	62.3 PK	74.0	-11.7	1.54 V	343	53.3	9.0
6	5350.00	49.4 AV	54.0	-4.6	1.54 V	343	40.4	9.0
7	#10580.00	50.7 PK	68.2	-17.5	1.33 V	3	33.2	17.5

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 (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	66.0 PK	74.0	-8.0	1.84 H	333	56.4	9.6
2	5460.00	52.7 AV	54.0	-1.3	1.84 H	333	43.1	9.6
3	#5470.00	67.4 PK	68.2	-0.8	1.84 H	333	57.6	9.8
4	*5530.00	112.6 PK			1.84 H	333	102.7	9.9
5	*5530.00	98.8 AV			1.84 H	333	88.9	9.9
6	11060.00	49.8 PK	74.0	-24.2	1.63 H	285	30.8	19.0
7	11060.00	43.5 AV	54.0	-10.5	1.63 H	285	24.5	19.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.3 PK	74.0	-10.7	1.47 V	293	53.7	9.6
2	5460.00	49.9 AV	54.0	-4.1	1.47 V	293	40.3	9.6
3	#5470.00	64.0 PK	68.2	-4.2	1.47 V	293	54.2	9.8
4	*5530.00	101.4 PK			1.47 V	293	91.5	9.9
5	*5530.00	87.6 AV			1.47 V	293	77.7	9.9
6	11060.00	49.4 PK	74.0	-24.6	1.26 V	313	30.4	19.0
7	11060.00	43.1 AV	54.0	-10.9	1.26 V	313	24.1	19.0

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 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	112.5 PK			1.84 H	335	103.2	9.3
2	*5610.00	98.7 AV			1.84 H	335	89.4	9.3
3	#5725.00	63.6 PK	68.2	-4.6	1.84 H	335	54.6	9.0
4	11220.00	49.7 PK	74.0	-24.3	1.62 H	287	30.3	19.4
5	11220.00	43.4 AV	54.0	-10.6	1.62 H	287	24.0	19.4
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	*5610.00	101.3 PK			1.49 V	295	92.0	9.3
2	*5610.00	87.5 AV			1.49 V	295	78.2	9.3
3	#5725.00	63.3 PK	68.2	-4.9	1.49 V	295	54.3	9.0
4	11220.00	49.3 PK	74.0	-24.7	1.25 V	311	29.9	19.4
5	11220.00	43.0 AV	54.0	-11.0	1.25 V	311	23.6	19.4

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 (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.0 PK	68.2	-6.2	1.91 H	337	52.2	9.8
2	*5690.00	114.2 PK			1.91 H	337	105.2	9.0
3	*5690.00	99.2 AV			1.91 H	337	90.2	9.0
4	11380.00	53.8 PK	74.0	-20.2	1.67 H	13	34.4	19.4
5	11380.00	41.9 AV	54.0	-12.1	1.67 H	13	22.5	19.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.6 PK	68.2	-6.6	1.61 V	317	51.8	9.8
2	*5690.00	103.1 PK			1.61 V	317	94.1	9.0
3	*5690.00	89.6 AV			1.61 V	317	80.6	9.0
4	11380.00	53.4 PK	74.0	-20.6	1.13 V	340	34.0	19.4
5	11380.00	41.5 AV	54.0	-12.5	1.13 V	340	22.1	19.4

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 (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=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 74.3% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.20	63.1 PK	68.2	-5.1	1.80 H	340	53.7	9.4
2	*5775.00	112.4 PK			1.80 H	340	103.2	9.2
3	*5775.00	98.6 AV			1.80 H	340	89.4	9.2
4	#5989.20	61.8 PK	68.2	-6.4	1.80 H	340	52.9	8.9
5	11550.00	49.6 PK	74.0	-24.4	1.58 H	292	30.2	19.4
6	11550.00	43.3 AV	54.0	-10.7	1.58 H	292	23.9	19.4
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	#5612.80	62.6 PK	68.2	-5.6	1.48 V	293	53.3	9.3
2	*5775.00	101.2 PK			1.48 V	293	92.0	9.2
3	*5775.00	87.4 AV			1.48 V	293	78.2	9.2
4	#5940.80	61.6 PK	68.2	-6.6	1.48 V	293	52.8	8.8
5	11550.00	49.2 PK	74.0	-24.8	1.26 V	312	29.8	19.4
6	11550.00	42.9 AV	54.0	-11.1	1.26 V	312	23.5	19.4

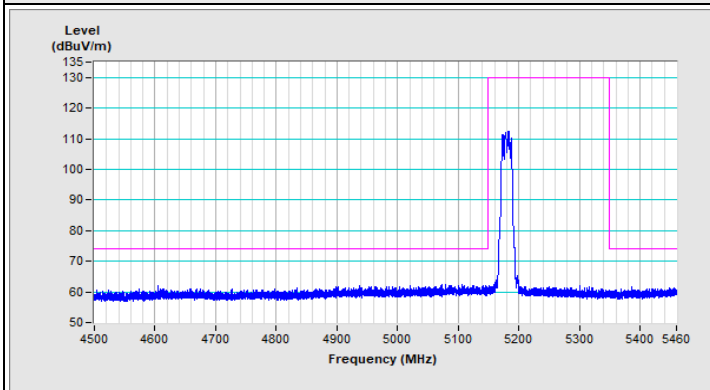
Remarks:

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.

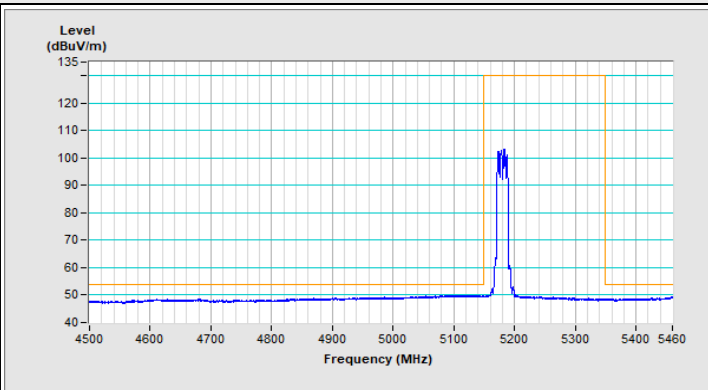
Plot of Band Edge

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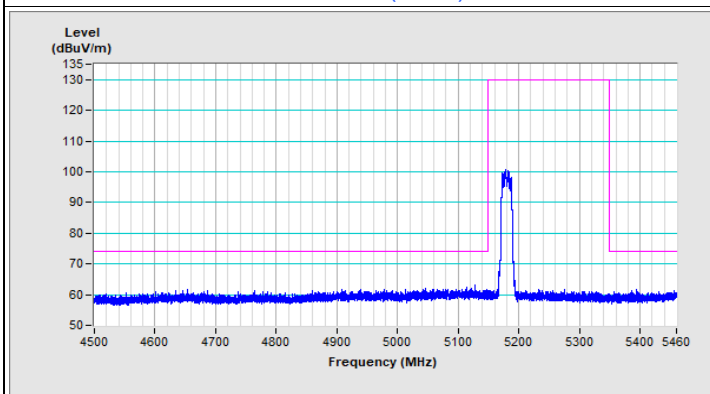
802.11a Channel 36



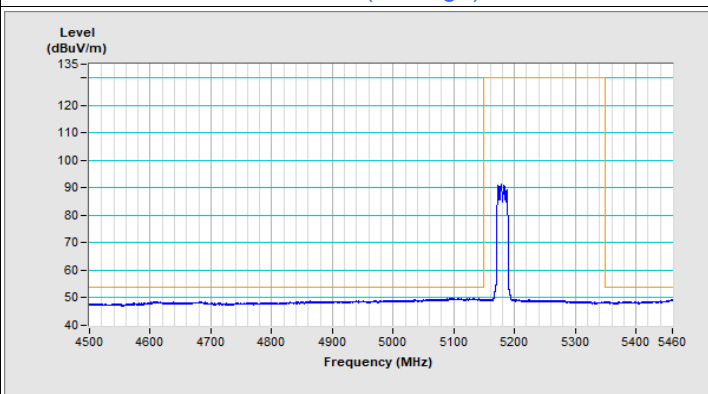
Horizontal (Peak)



Horizontal (Average)

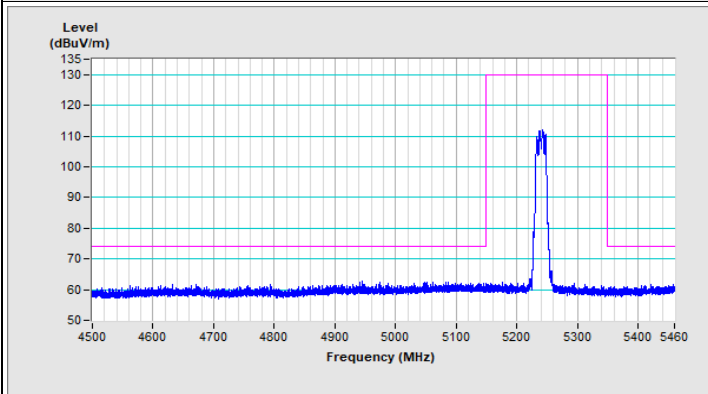


Vertical (Peak)

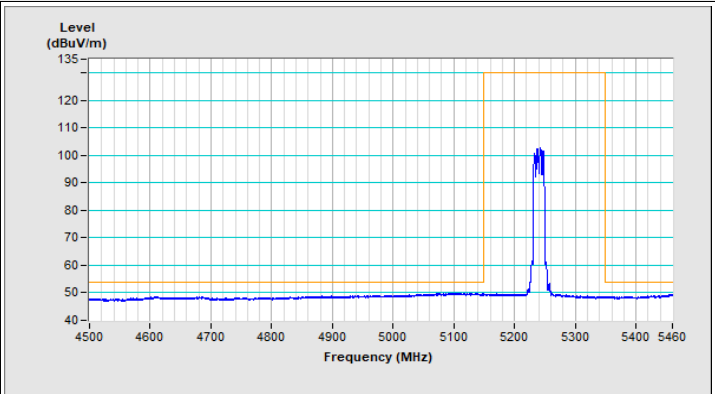


Vertical (Average)

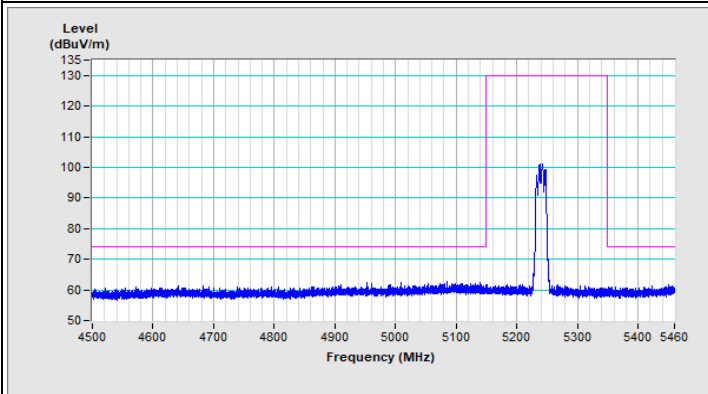
802.11a Channel 48



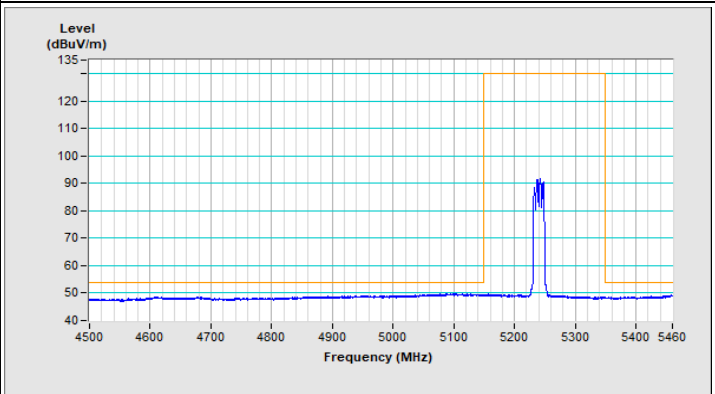
Horizontal (Peak)



Horizontal (Average)

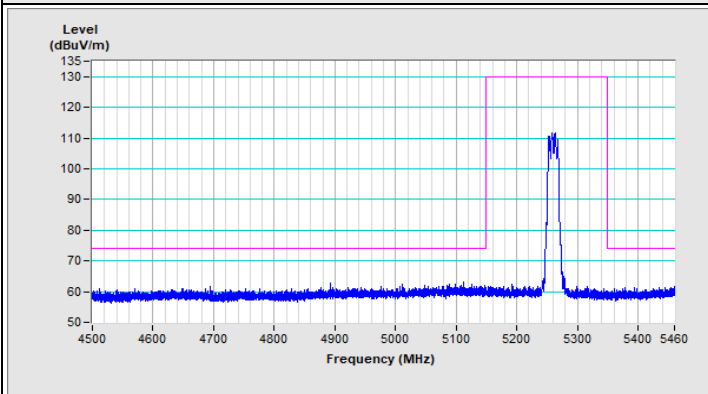


Vertical (Peak)

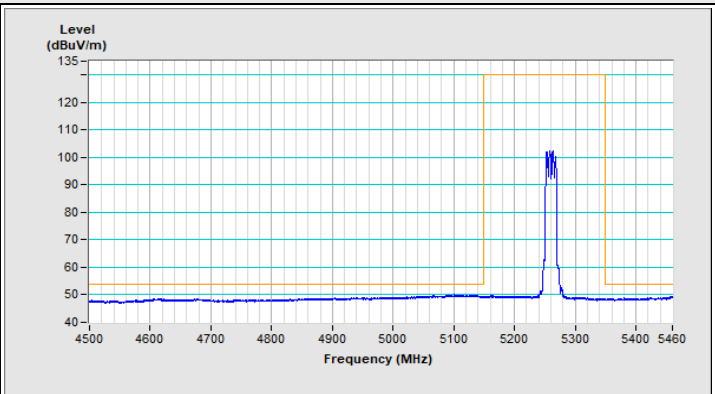


Vertical (Average)

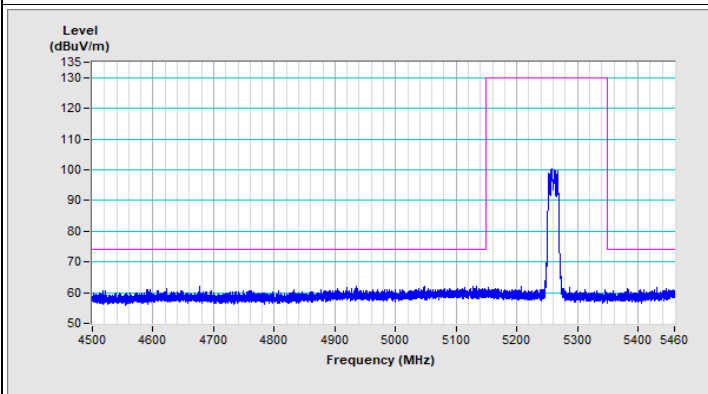
802.11a Channel 52



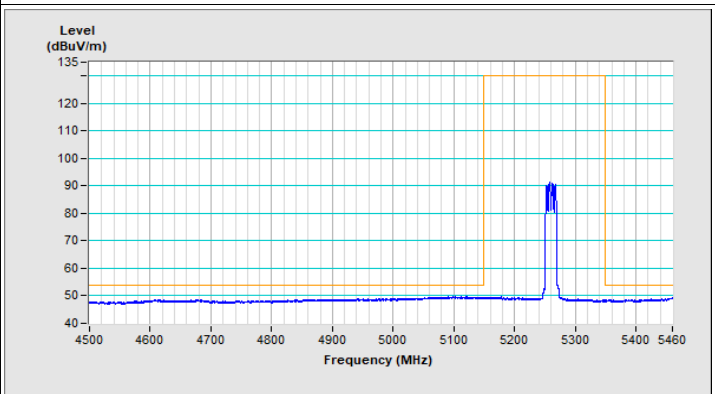
Horizontal (Peak)



Horizontal (Average)

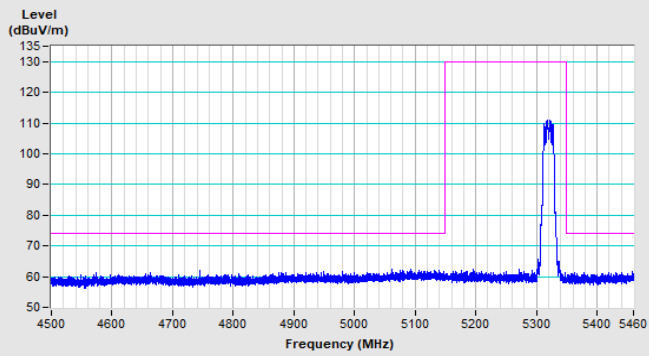


Vertical (Peak)

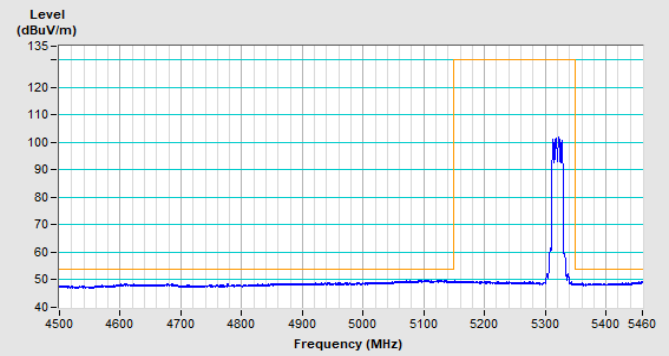


Vertical (Average)

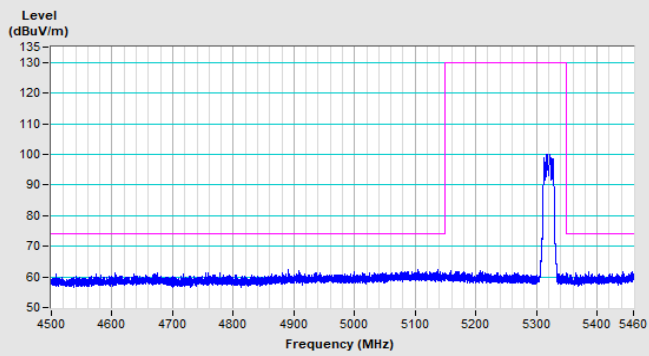
802.11a Channel 64



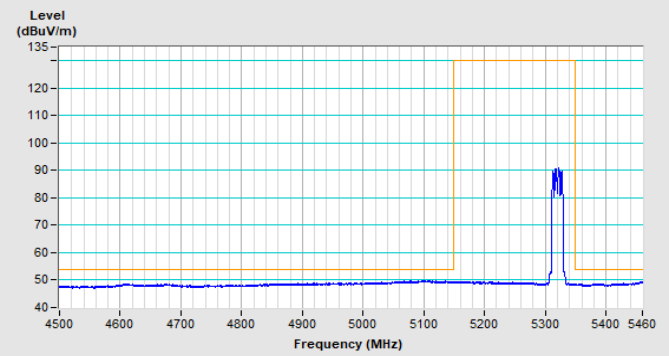
Horizontal (Peak)



Horizontal (Average)



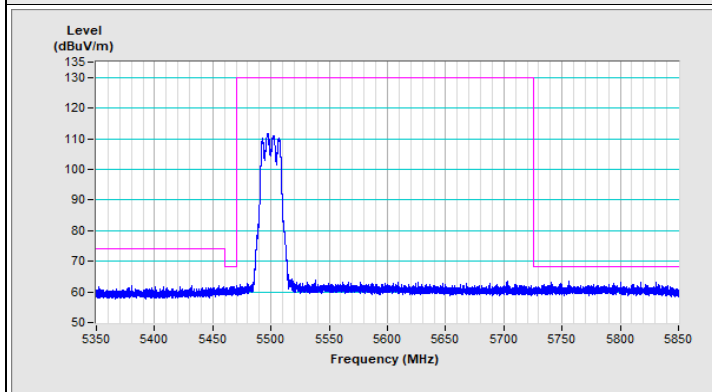
Vertical (Peak)



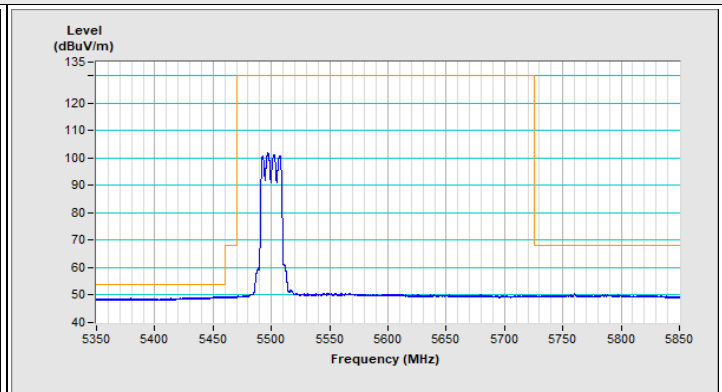
Vertical (Average)

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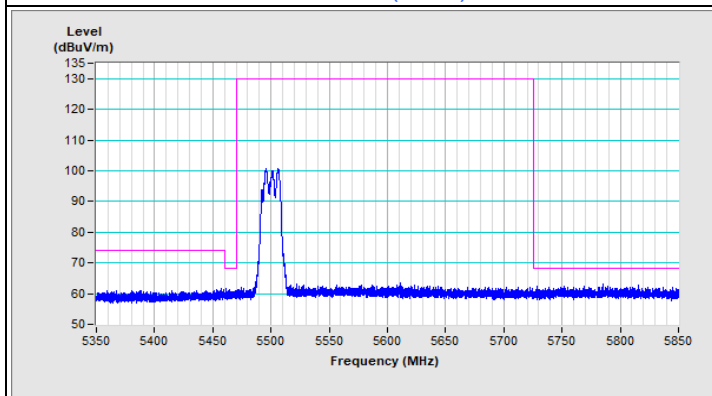
802.11a Channel 100



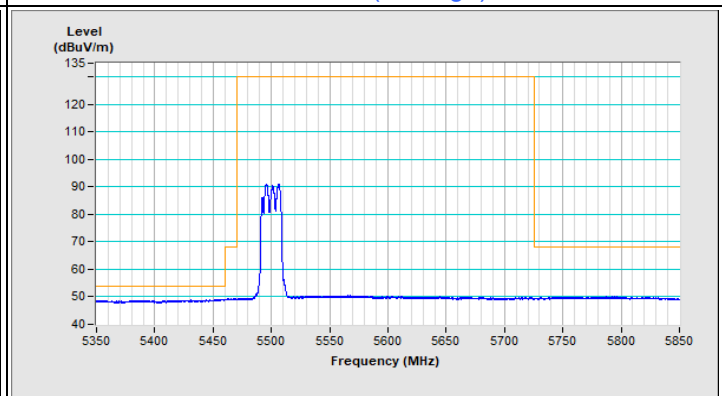
Horizontal (Peak)



Horizontal (Average)

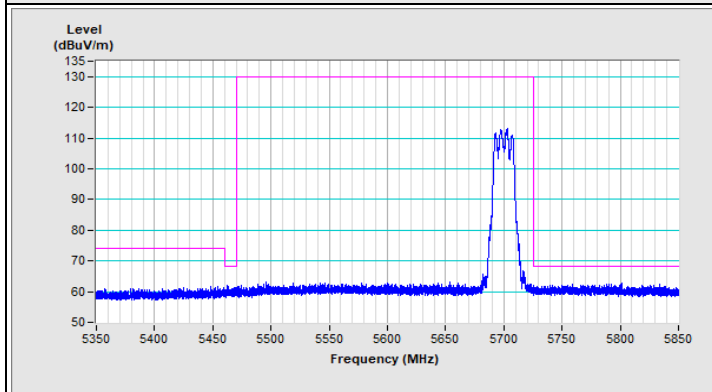


Vertical (Peak)

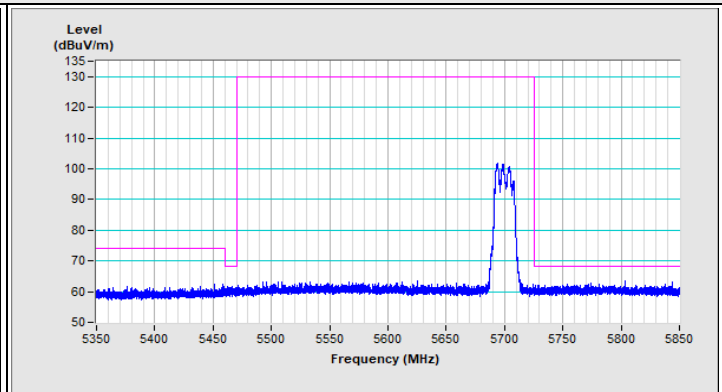


Vertical (Average)

802.11a Channel 140

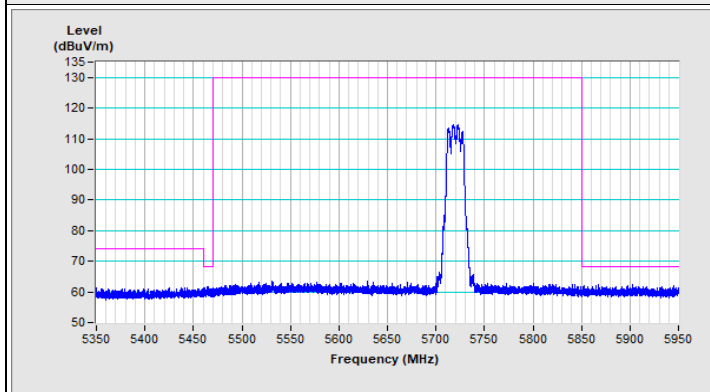


Horizontal (Peak)

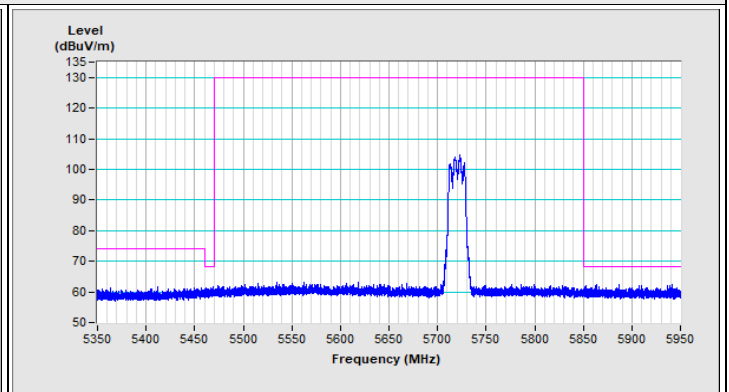


Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

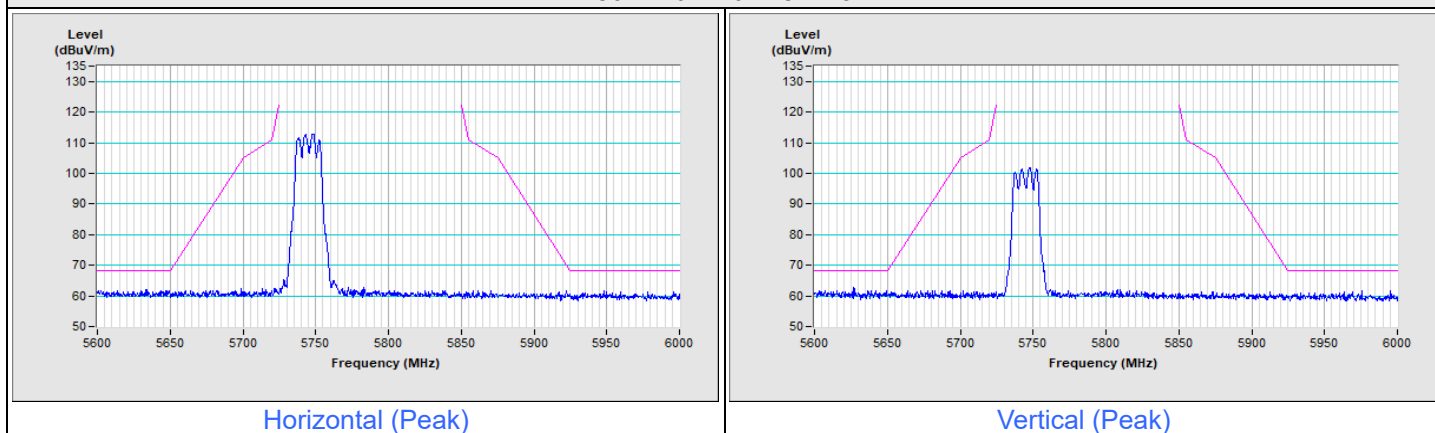
Horizontal (Peak)



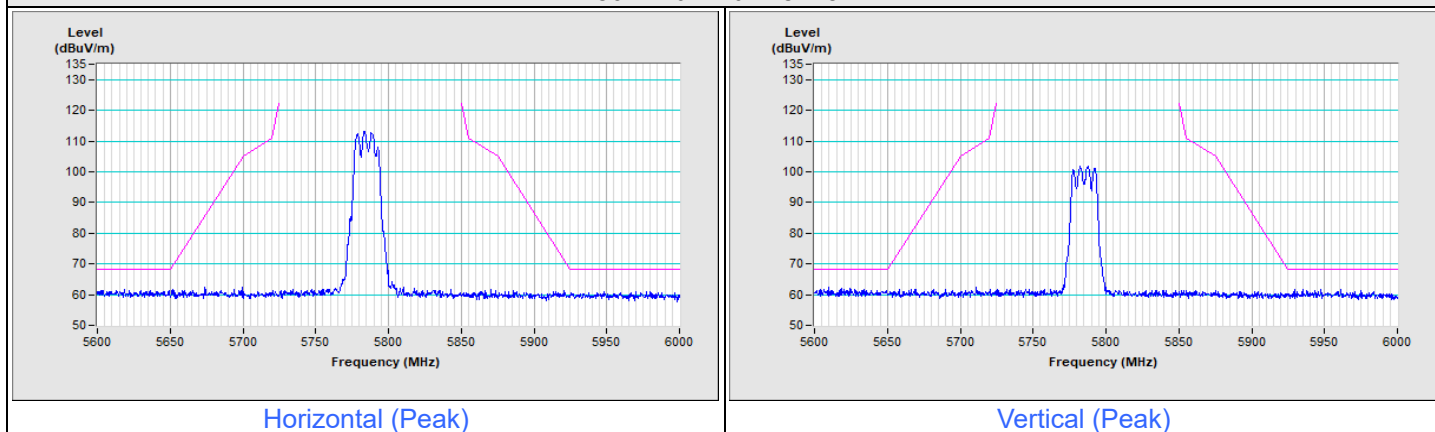
Vertical (Peak)

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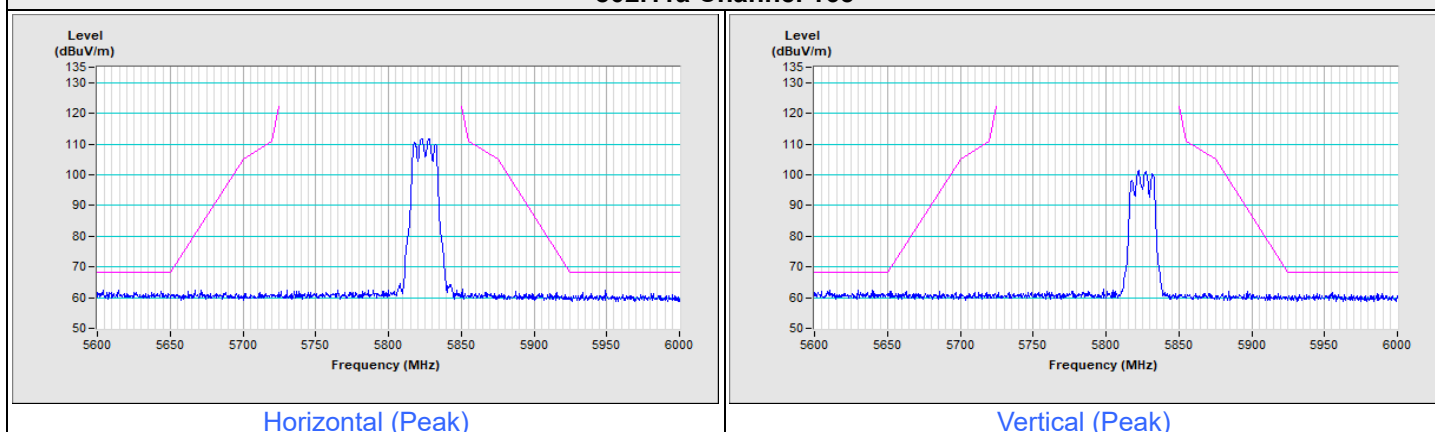
802.11a Channel 149



802.11a Channel 157

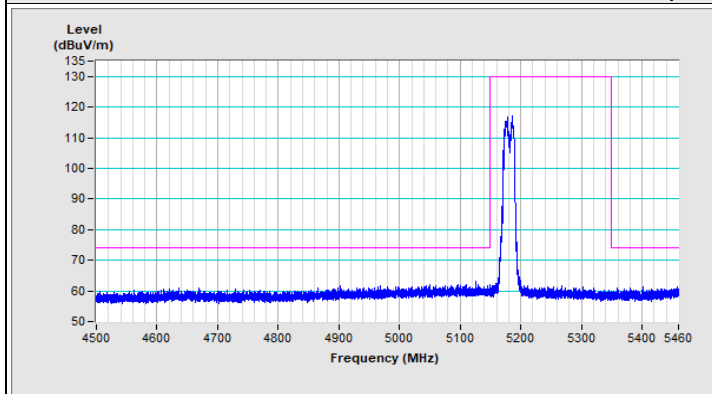


802.11a Channel 165

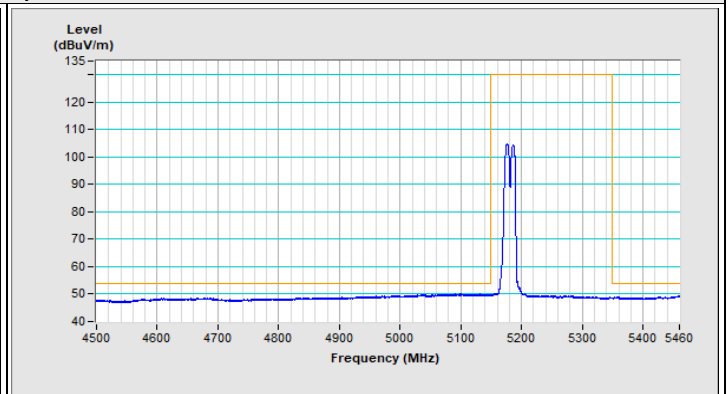


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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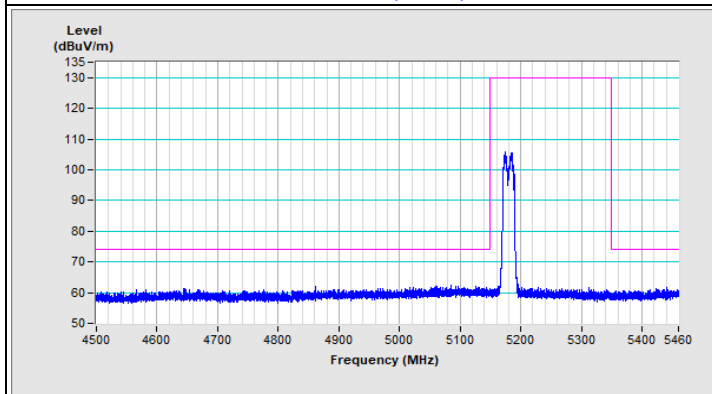
802.11ax (HE20) Channel 36



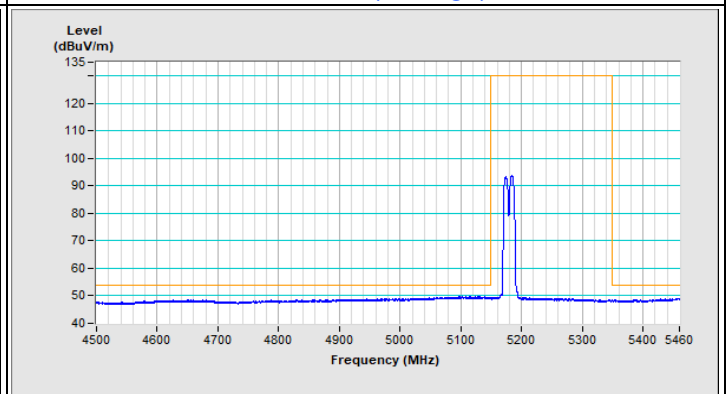
Horizontal (Peak)



Horizontal (Average)

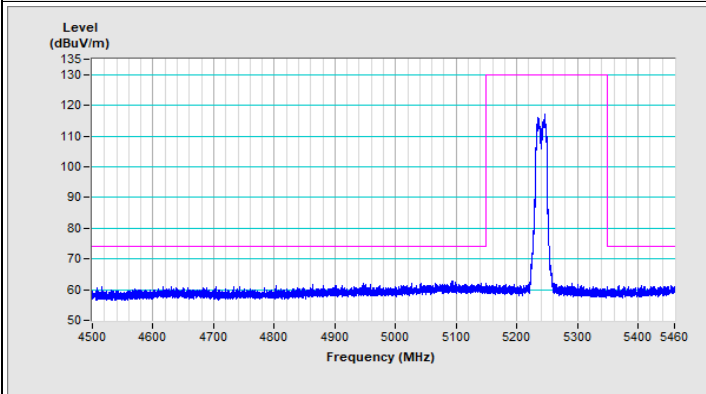


Vertical (Peak)

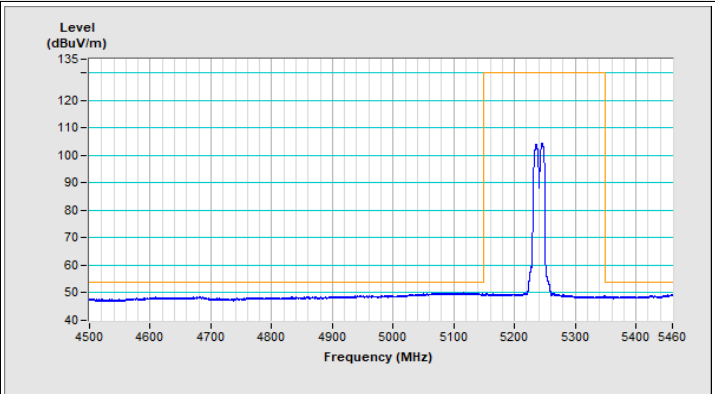


Vertical (Average)

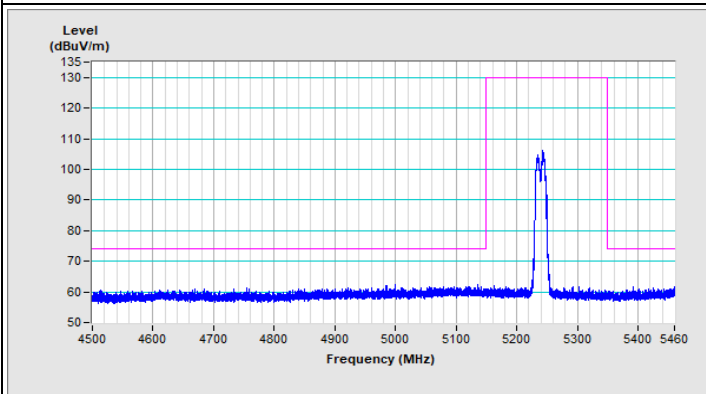
802.11ax (HE20) Channel 48



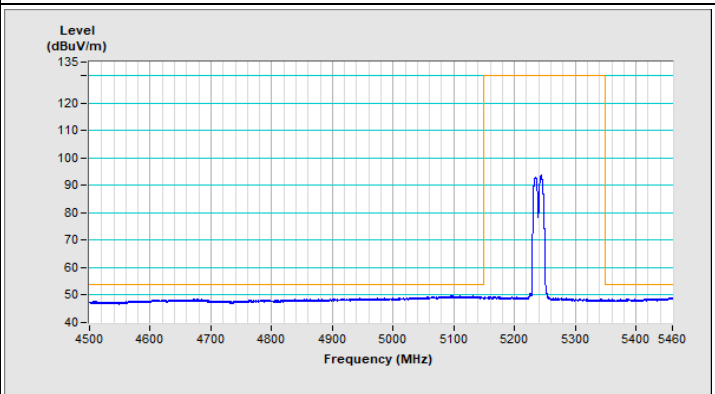
Horizontal (Peak)



Horizontal (Average)

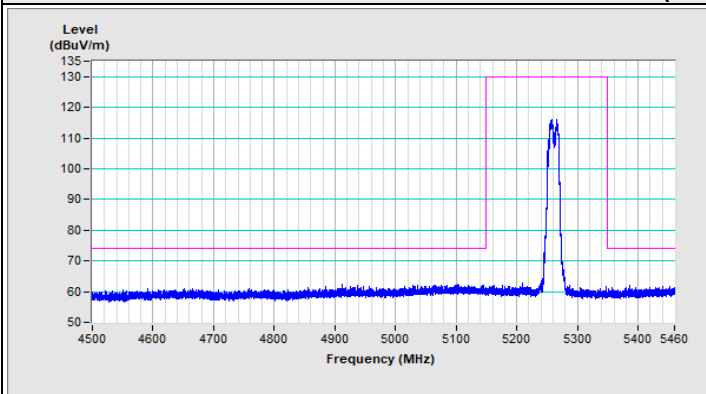


Vertical (Peak)

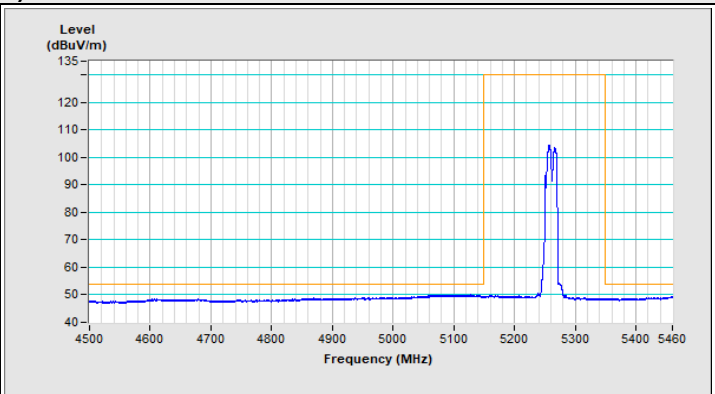


Vertical (Average)

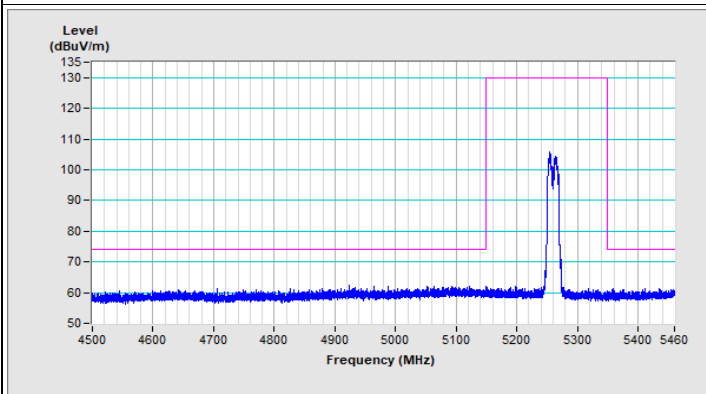
802.11ax (HE20) Channel 52



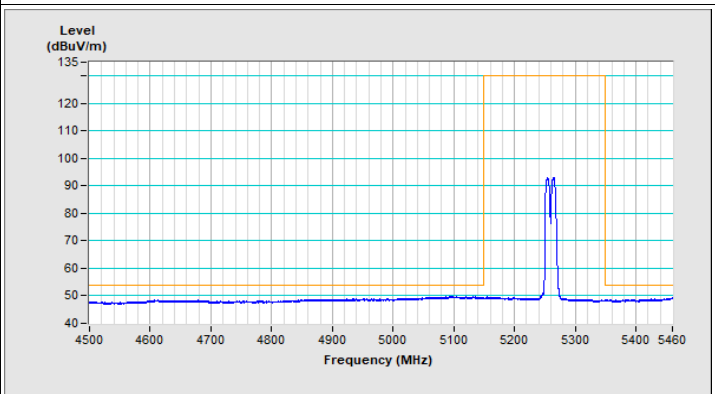
Horizontal (Peak)



Horizontal (Average)

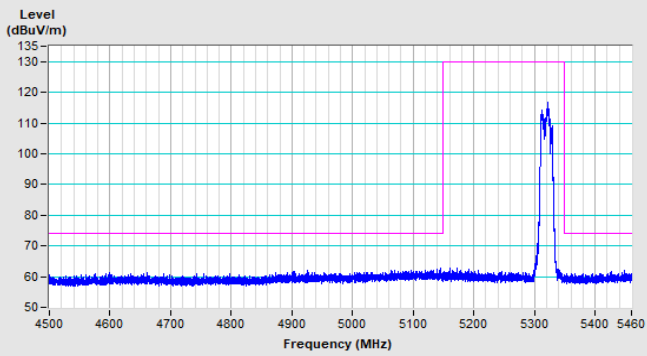


Vertical (Peak)

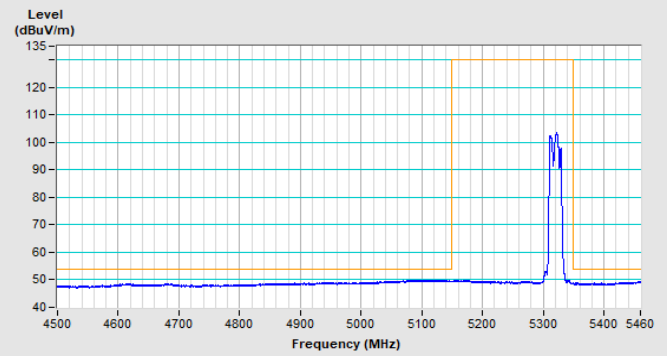


Vertical (Average)

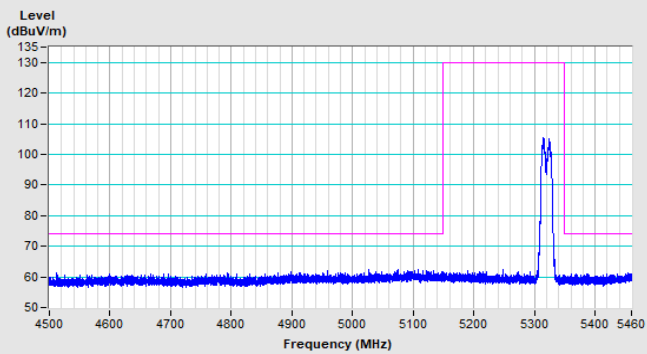
802.11ax (HE20) Channel 64



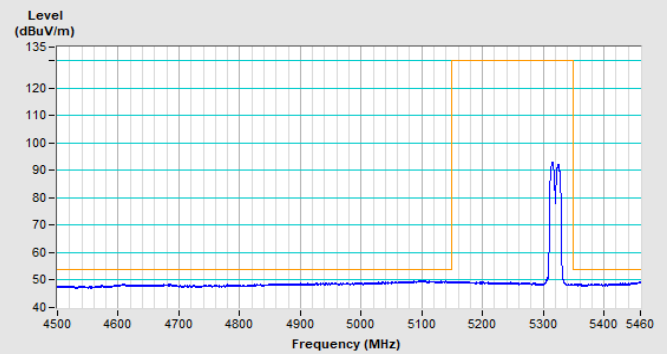
Horizontal (Peak)



Horizontal (Average)



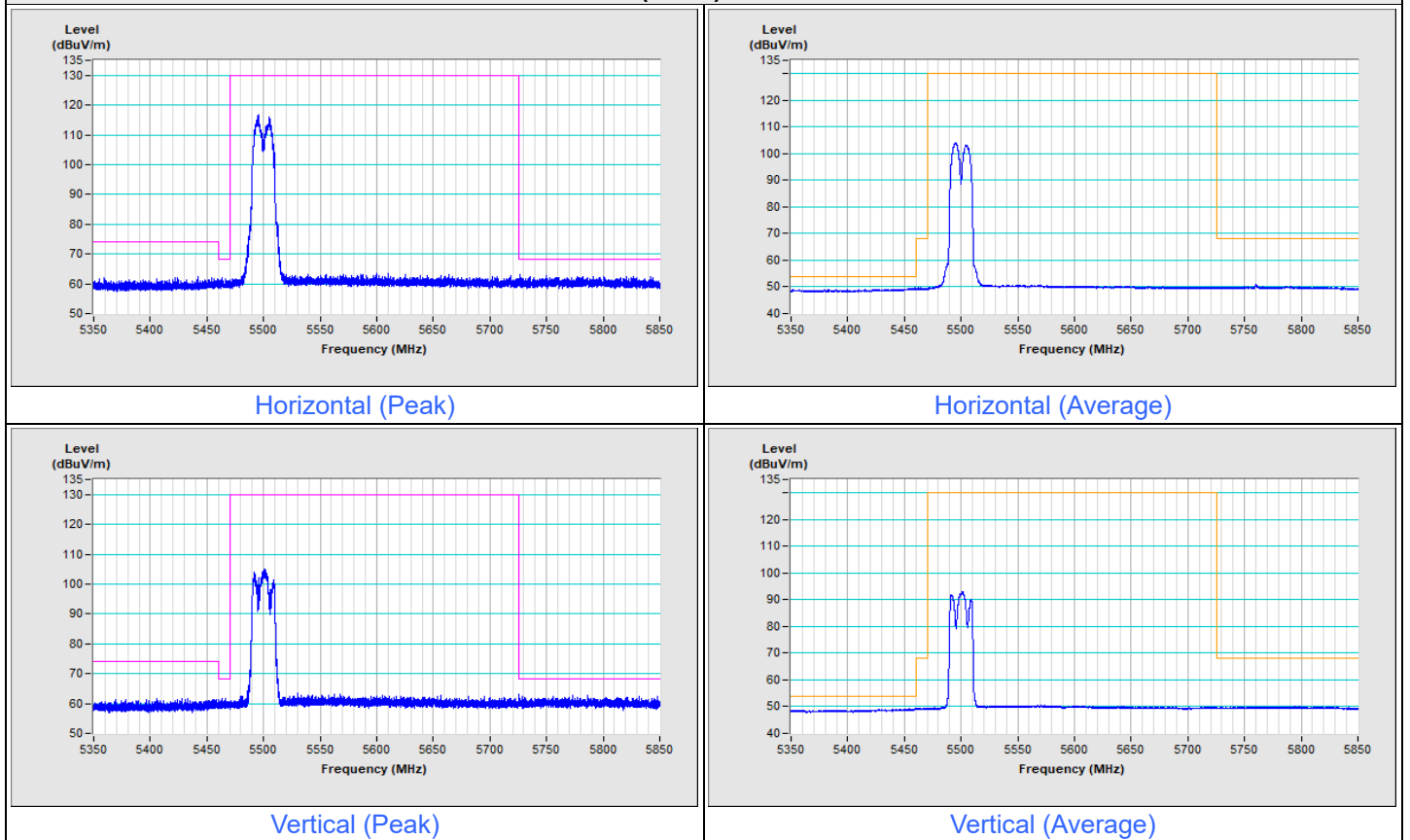
Vertical (Peak)



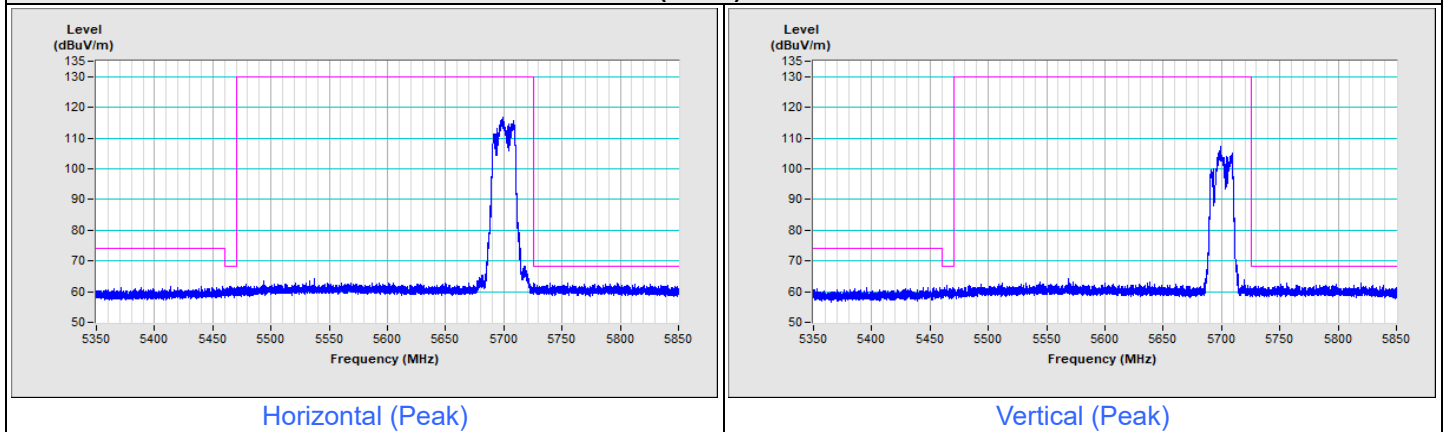
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) Channel 100

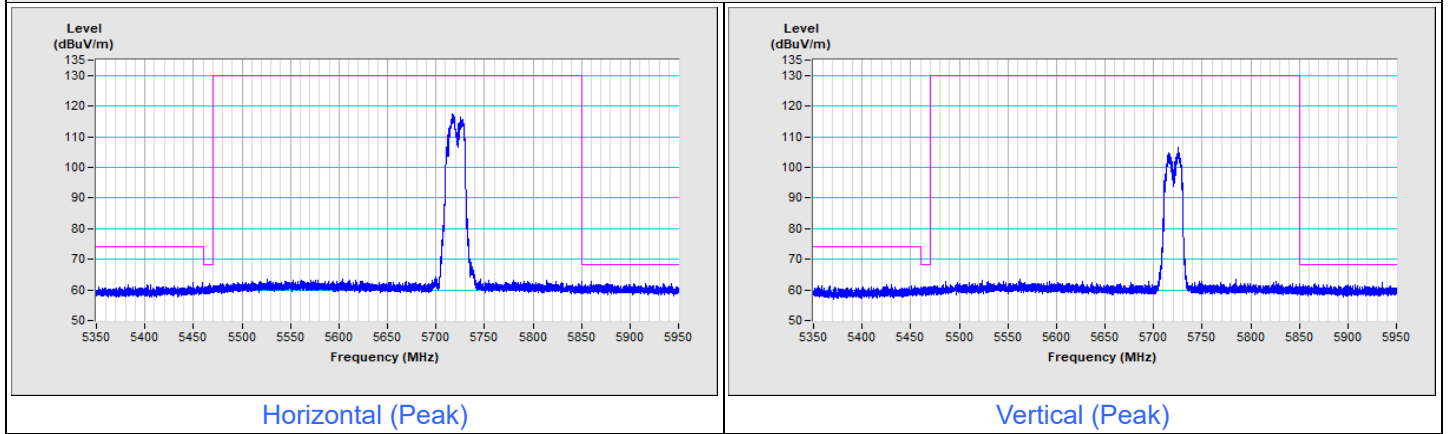


802.11ax (HE20) Channel 140



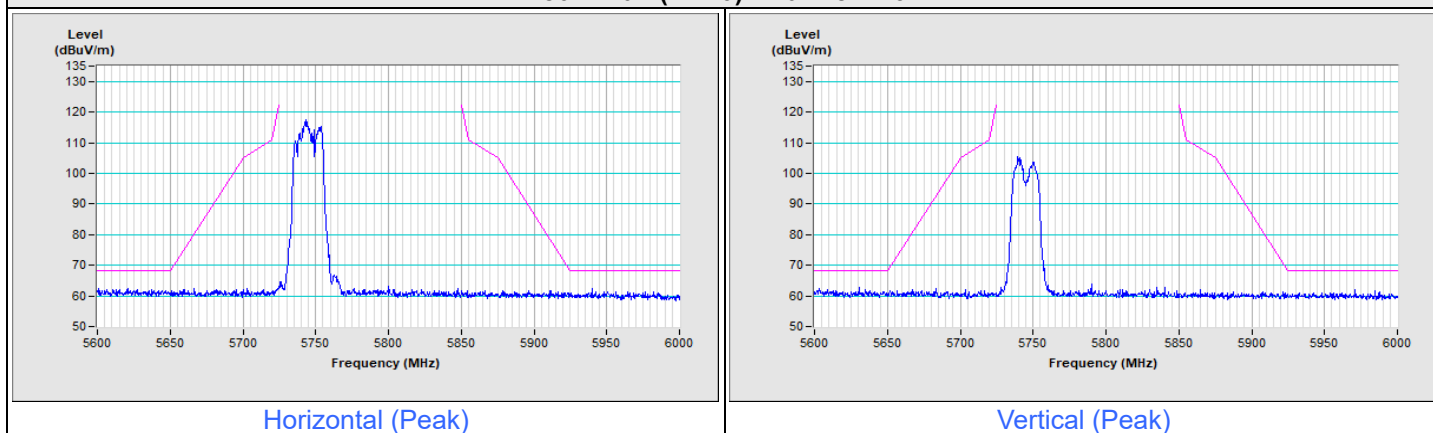
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 144

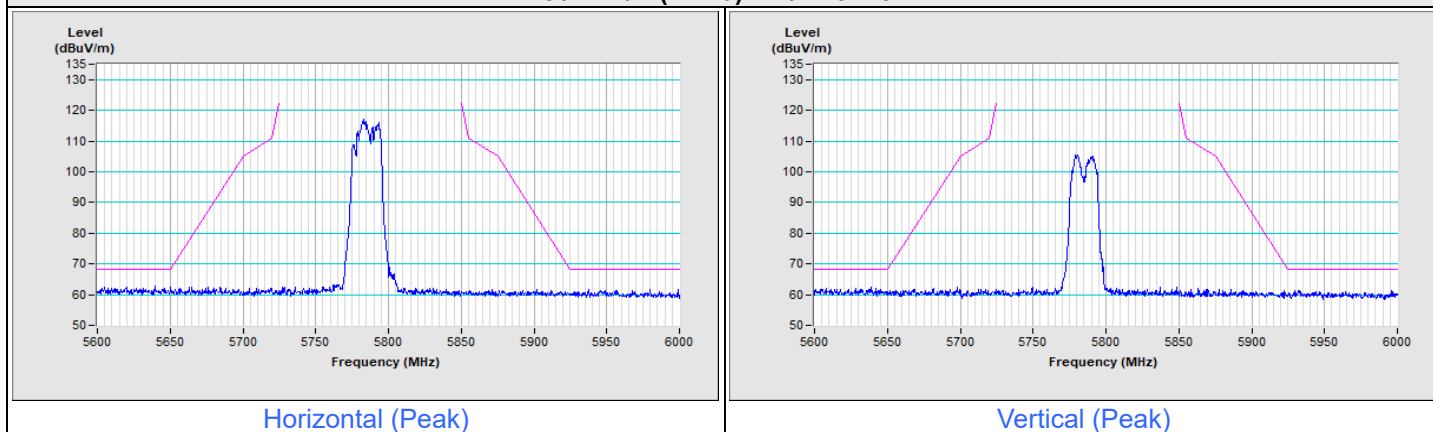


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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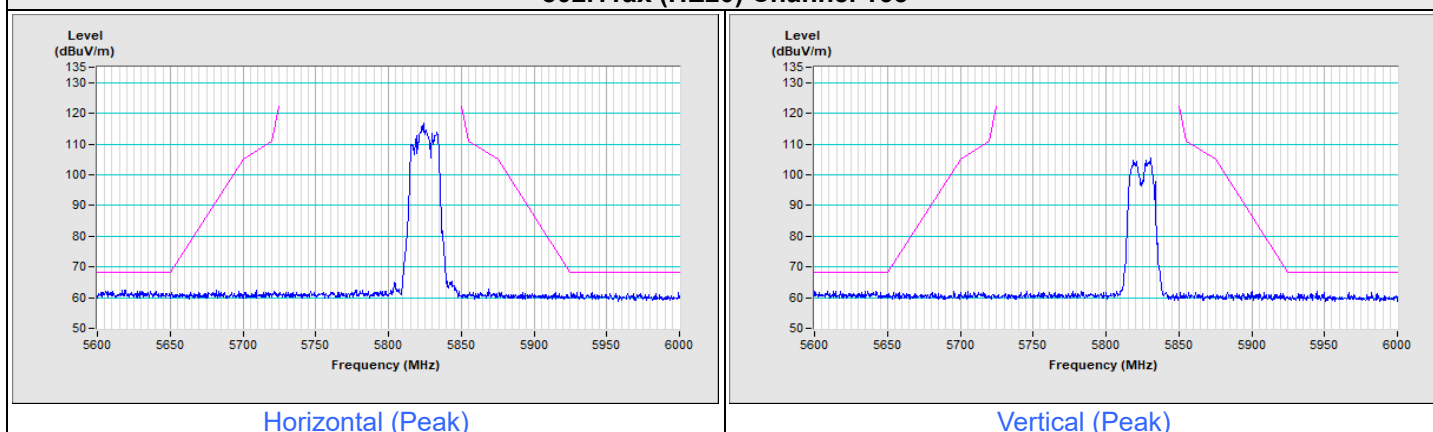
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

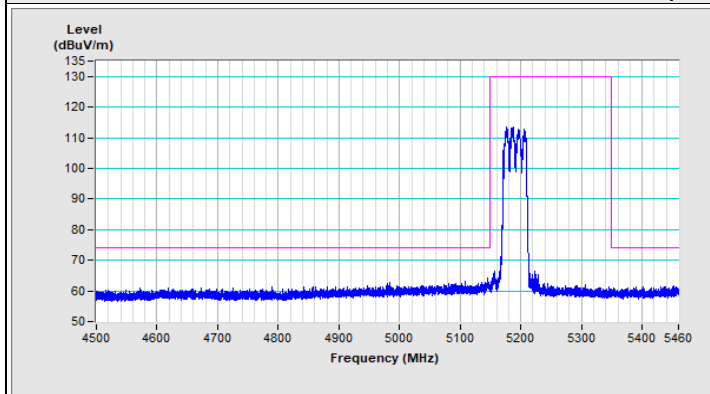


802.11ax (HE20) Channel 165

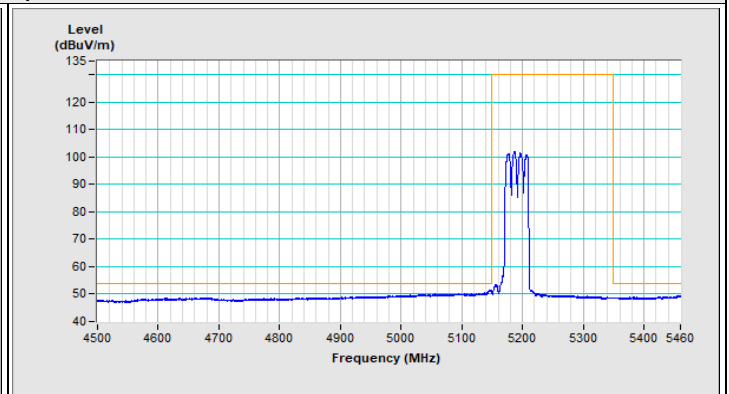


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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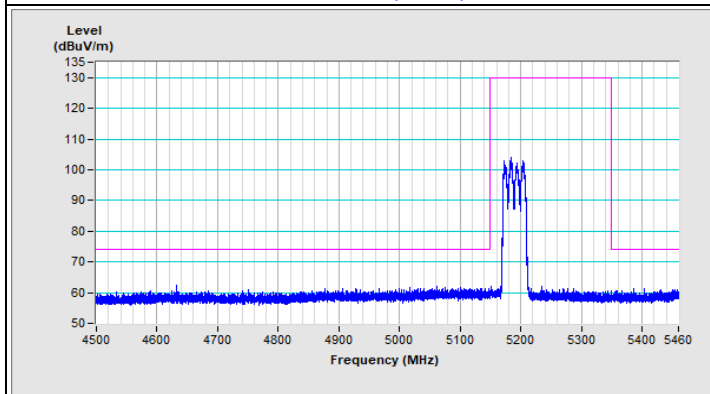
802.11ax (HE40) Channel 38



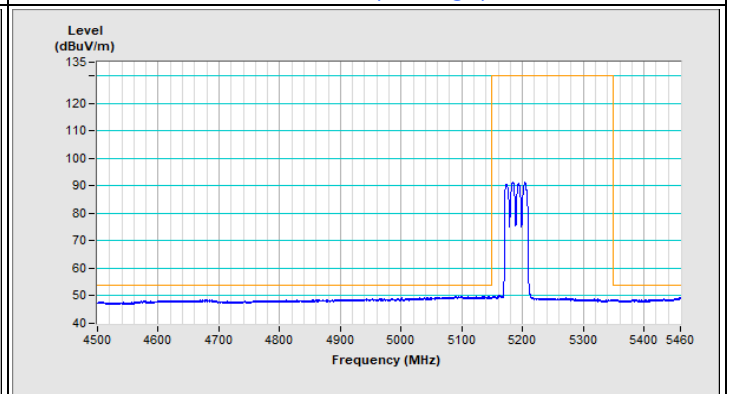
Horizontal (Peak)



Horizontal (Average)

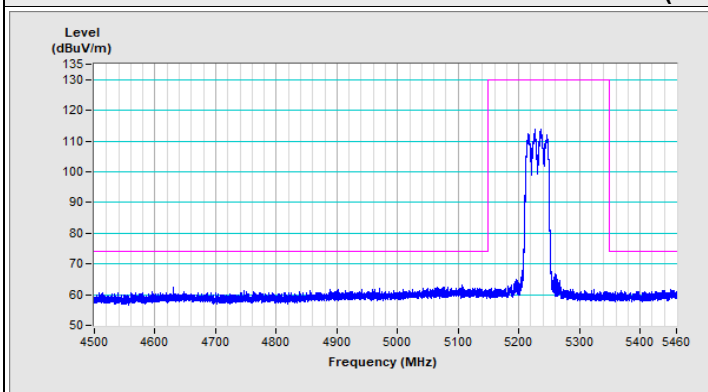


Vertical (Peak)

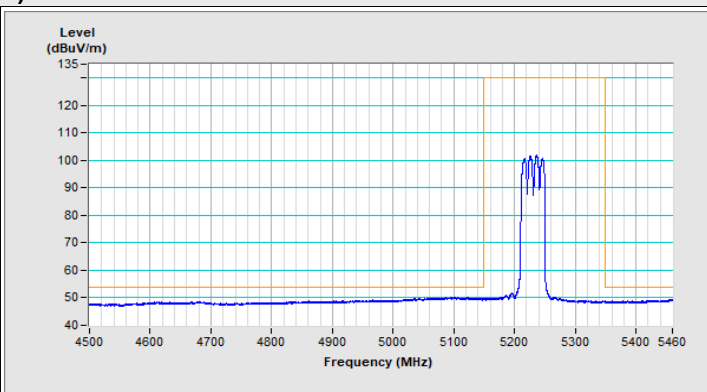


Vertical (Average)

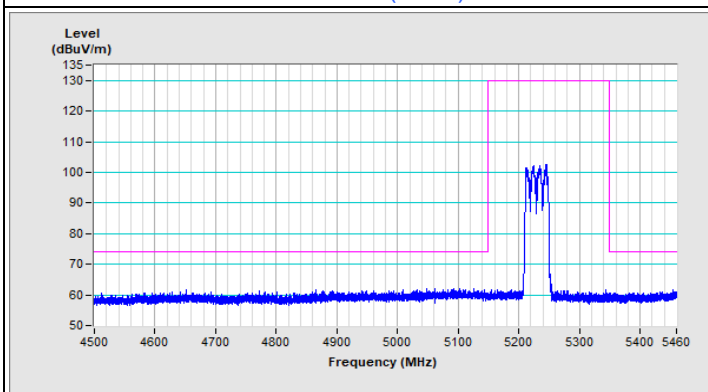
802.11ax (HE40) Channel 46



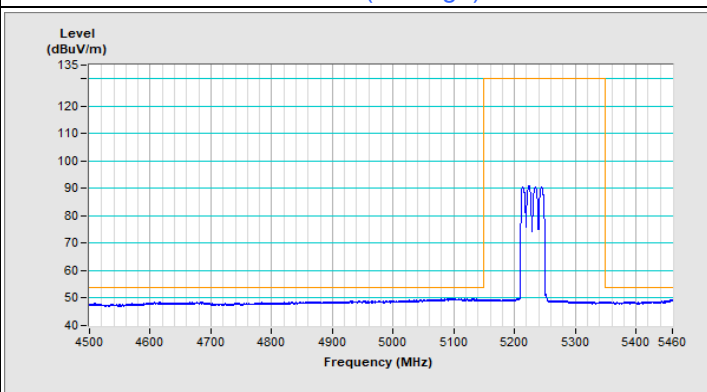
Horizontal (Peak)



Horizontal (Average)

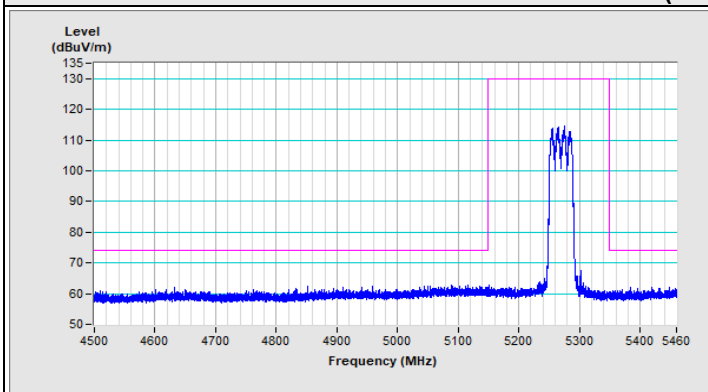


Vertical (Peak)

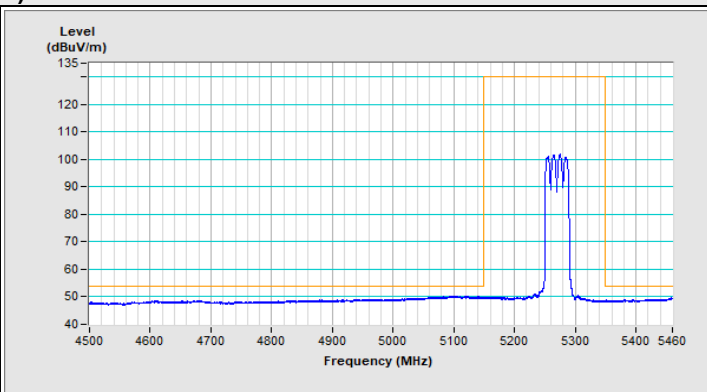


Vertical (Average)

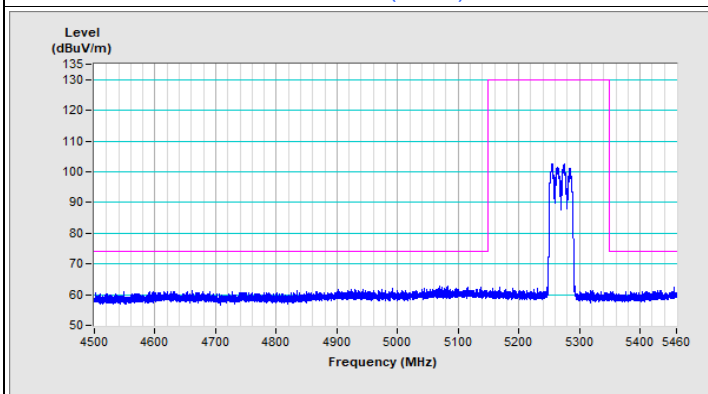
802.11ax (HE40) Channel 54



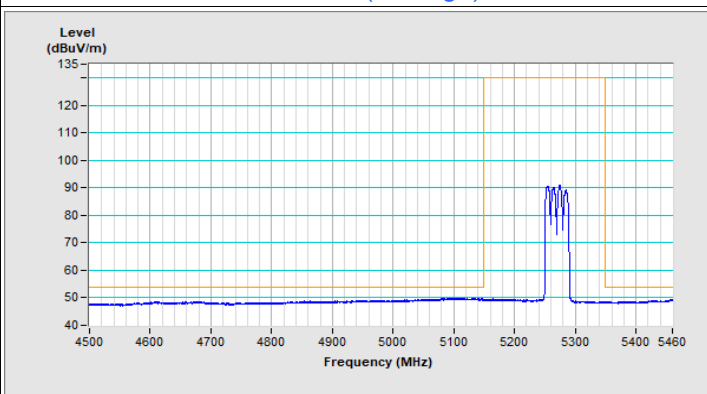
Horizontal (Peak)



Horizontal (Average)

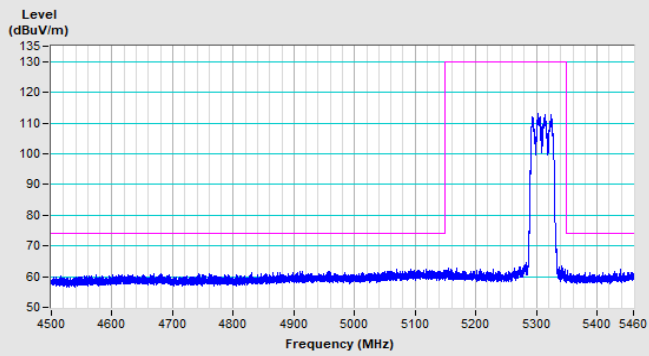


Vertical (Peak)

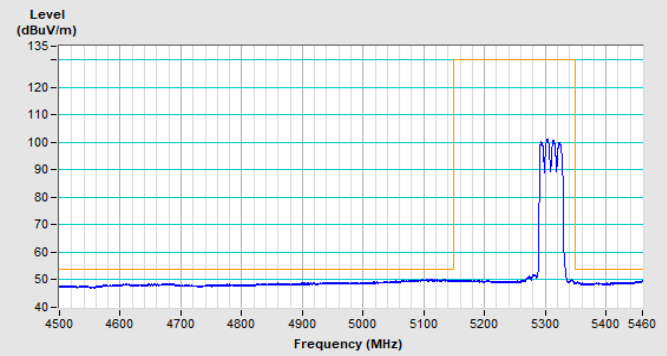


Vertical (Average)

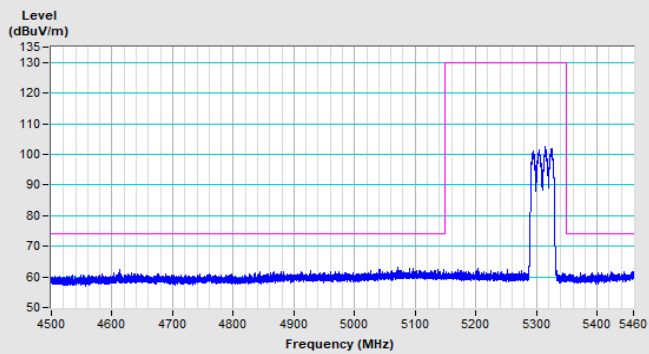
802.11ax (HE40) Channel 62



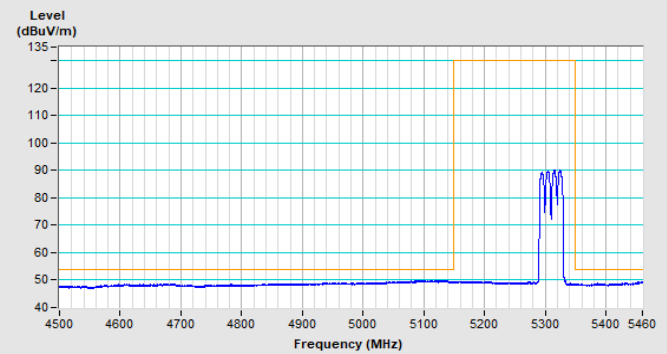
Horizontal (Peak)



Horizontal (Average)



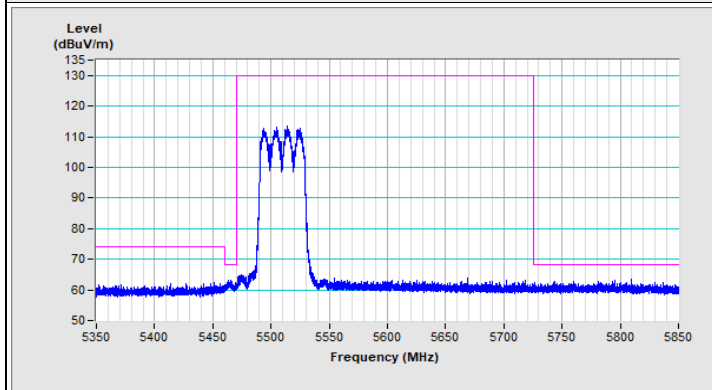
Vertical (Peak)



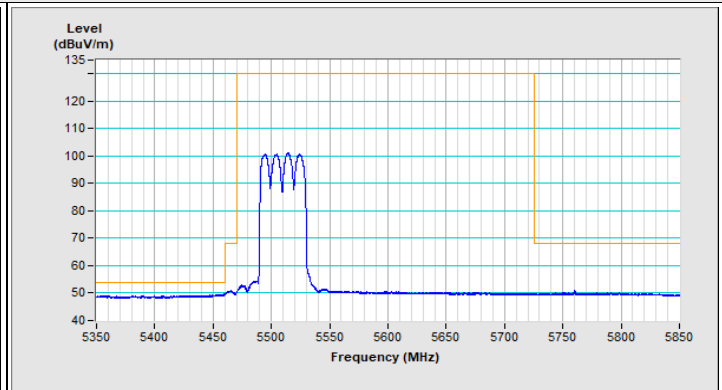
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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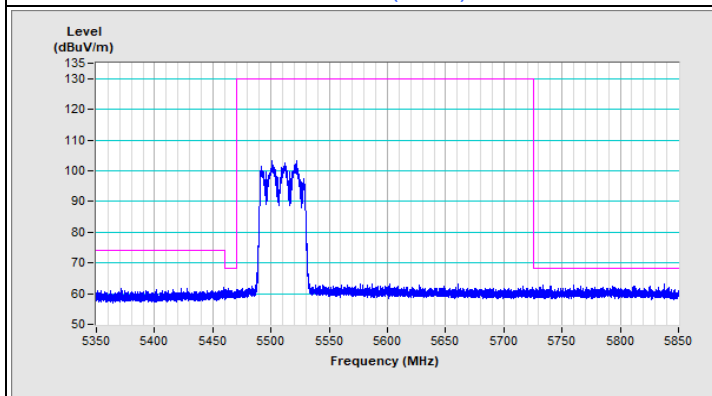
802.11ax (HE40) Channel 102



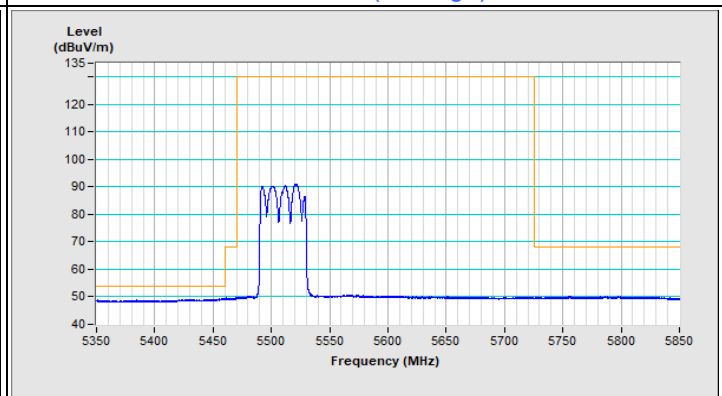
Horizontal (Peak)



Horizontal (Average)

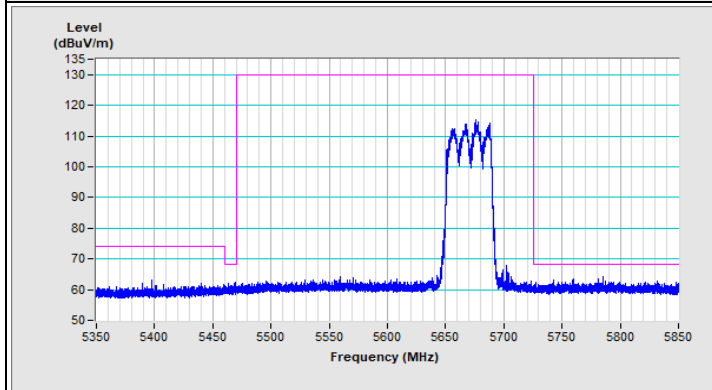


Vertical (Peak)

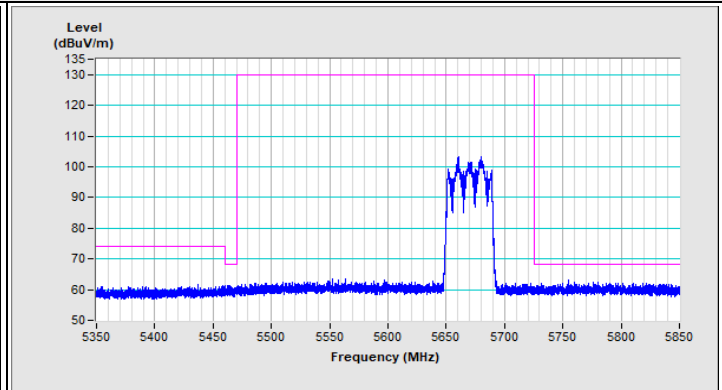


Vertical (Average)

802.11ax (HE40) Channel 134



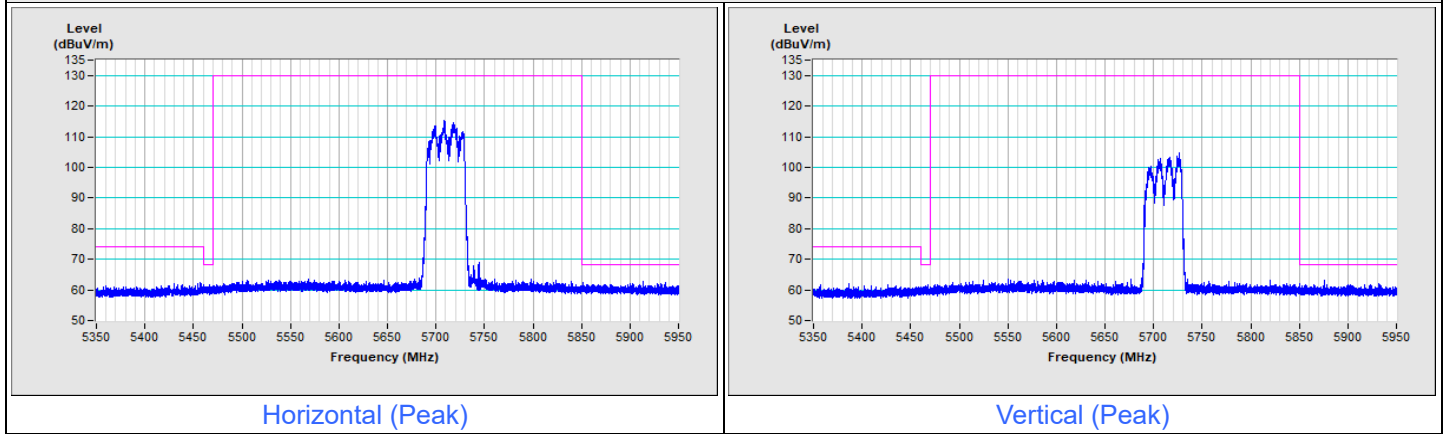
Horizontal (Peak)



Vertical (Peak)

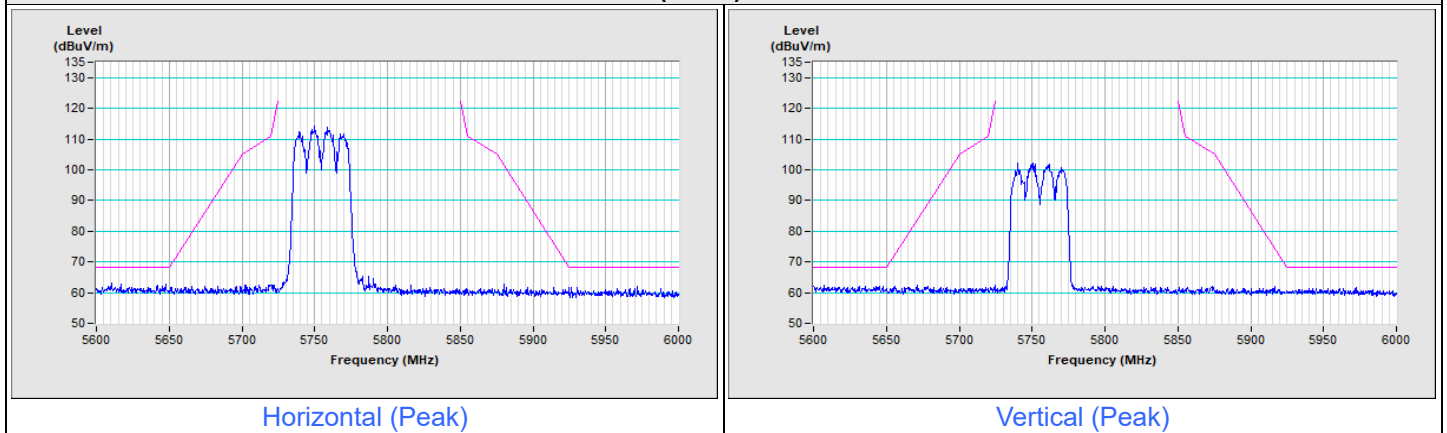
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 142

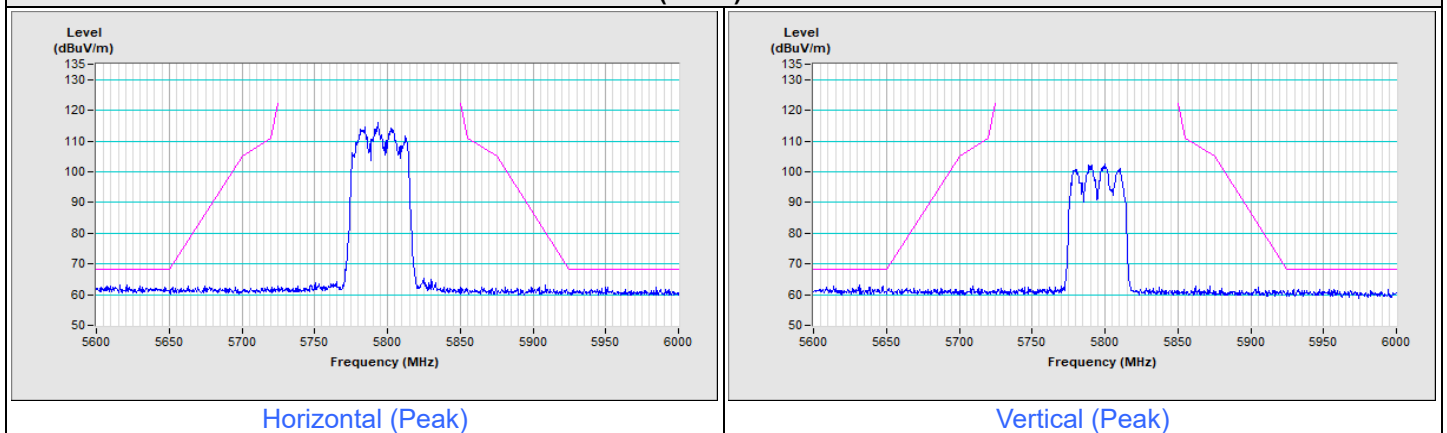


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

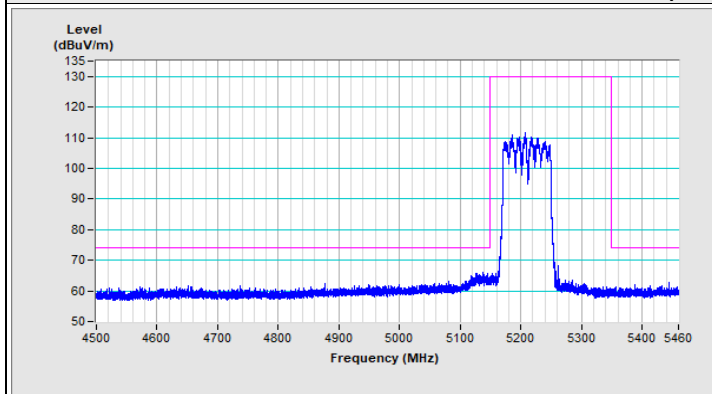


802.11ax (HE40) Channel 159

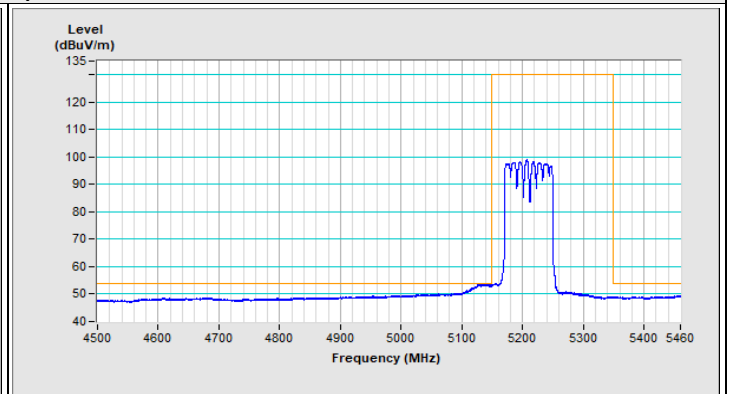


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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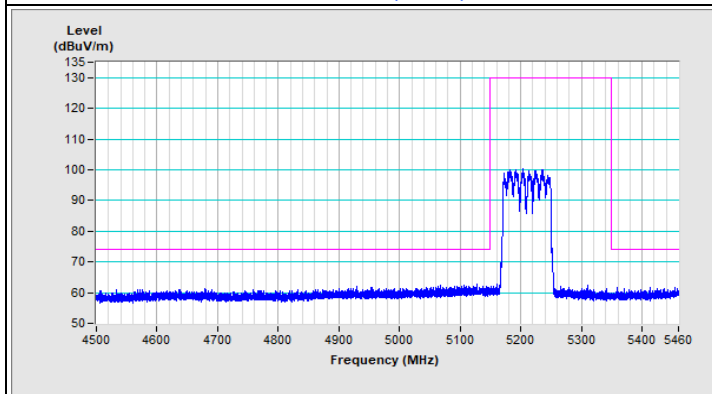
802.11ax (HE80) Channel 42



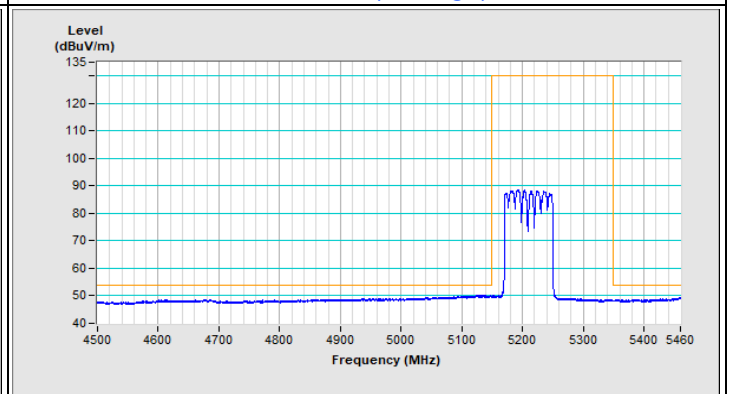
Horizontal (Peak)



Horizontal (Average)

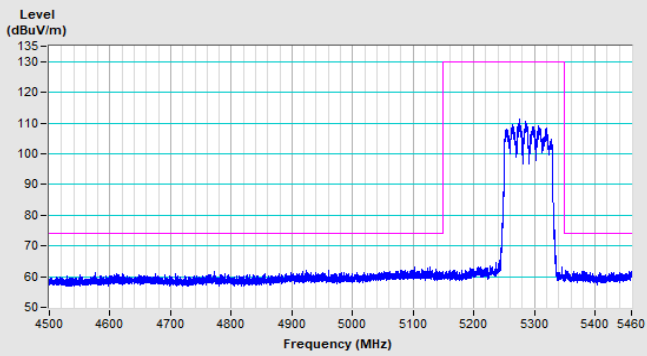


Vertical (Peak)

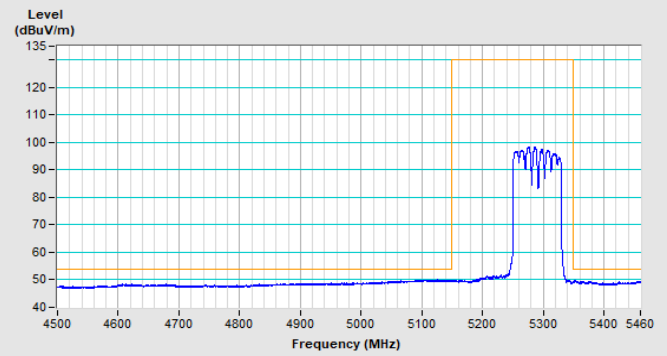


Vertical (Average)

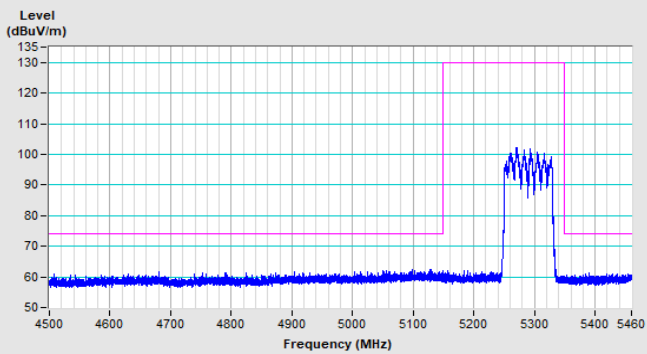
802.11ax (HE80) Channel 58



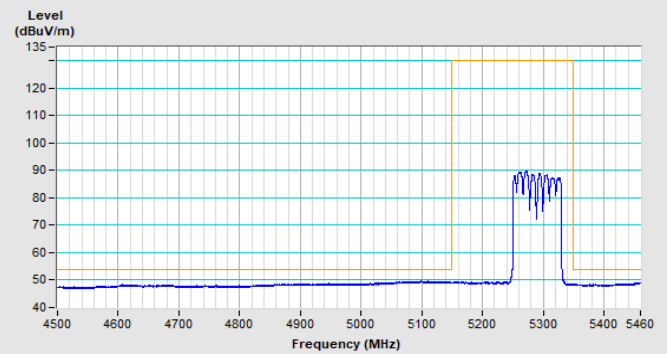
Horizontal (Peak)



Horizontal (Average)



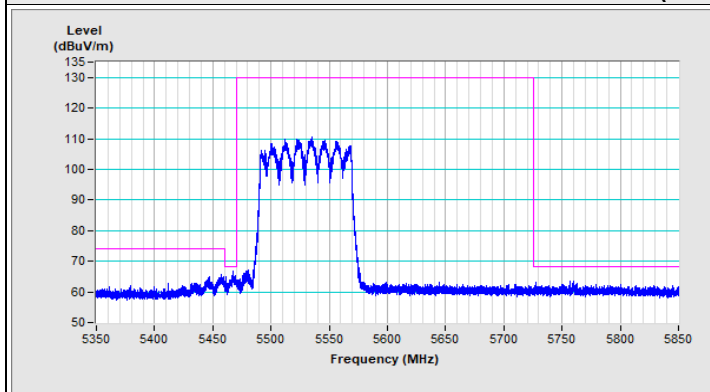
Vertical (Peak)



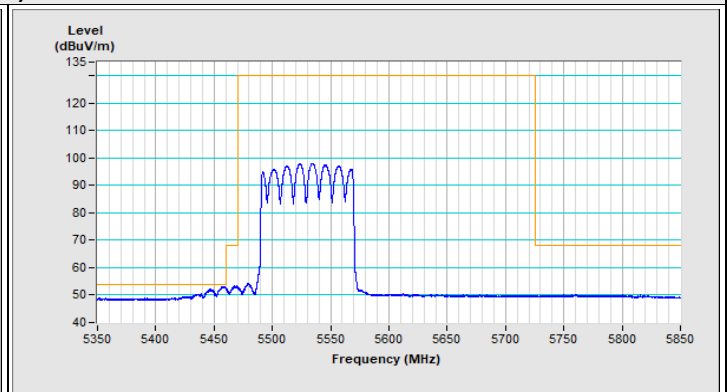
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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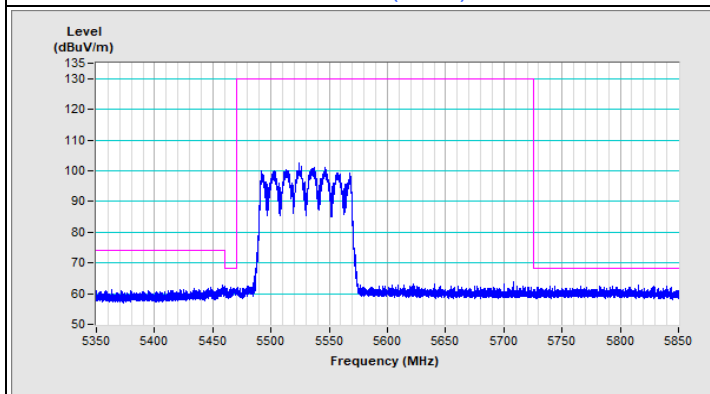
802.11ax (HE80) Channel 106



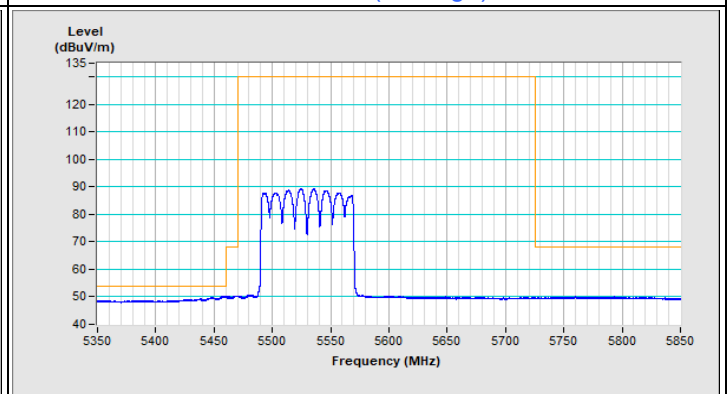
Horizontal (Peak)



Horizontal (Average)

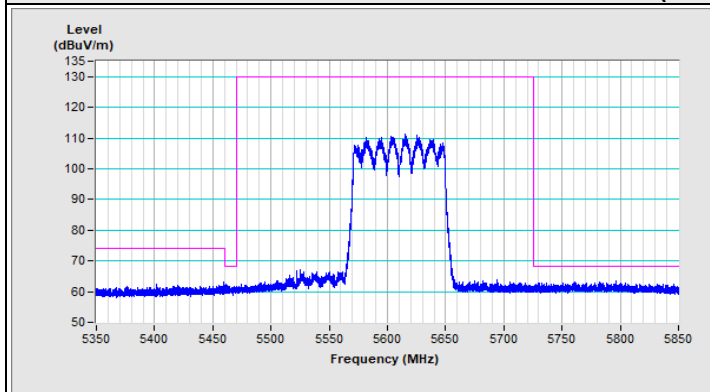


Vertical (Peak)

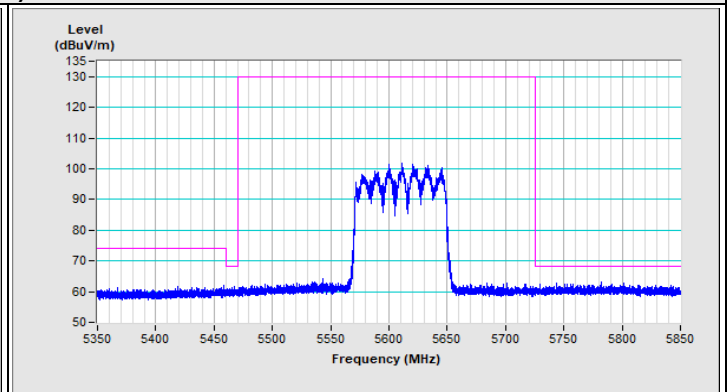


Vertical (Average)

802.11ax (HE80) Channel 122



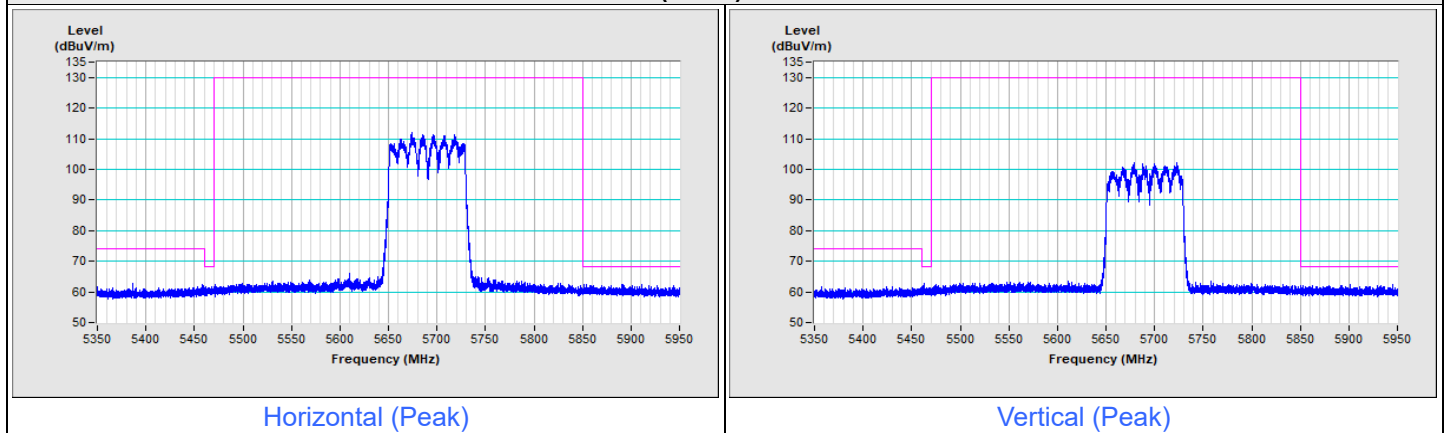
Horizontal (Peak)



Vertical (Peak)

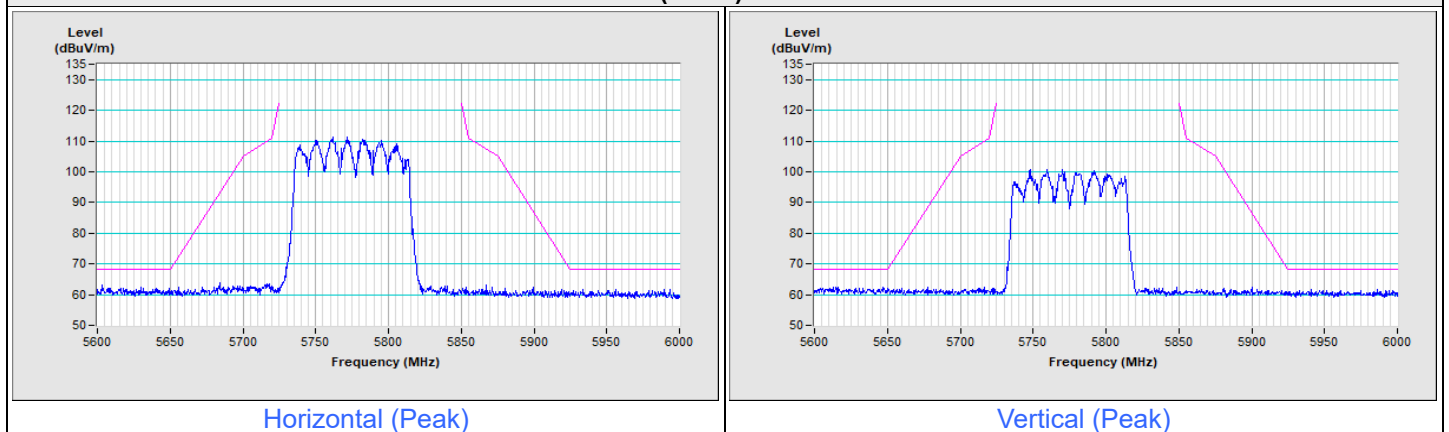
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 138



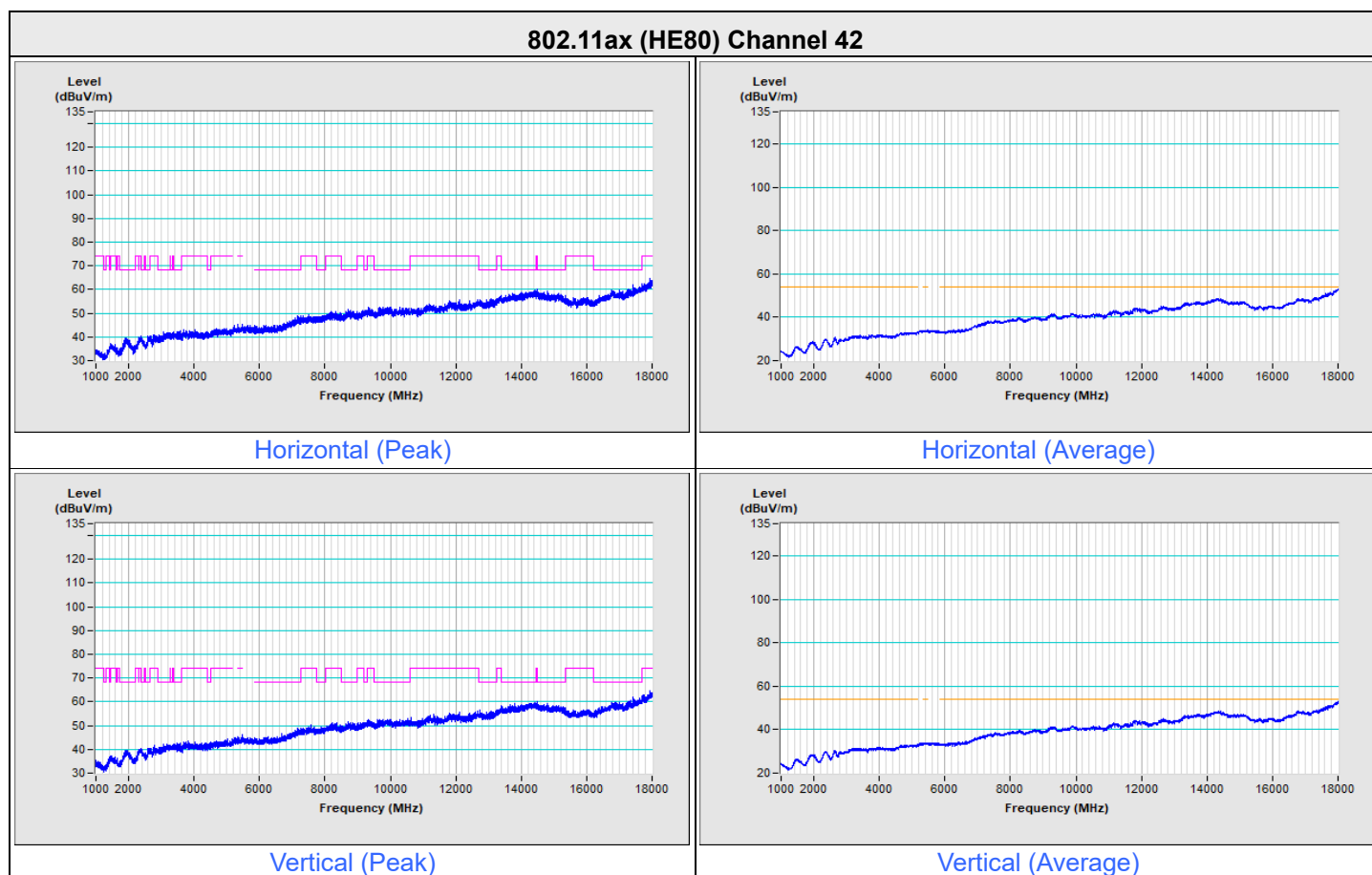
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 155



Plot of Other Emission

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.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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