

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDBO-WTW-P25110436-1
FCC ID: YG79X327915
Product: G.hn over Coax with WiFi 6 AX1800 Router
Brand: ZINWELL
Model No.: PWM-9832
Received Date: 2025/11/19
Test Date: 2026/1/7 ~ 2026/1/26
Issued Date: 2026/3/6
Applicant: ZINWELL Corporation
Address: 7F., No.512, Yuanshan Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
FCC Registration / 198487 / TW2021
Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2026/3/6

Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBDBO-WTW-P25110436-1	Original release.	2026/3/6

1 Certificate

Product: G.hn over Coax with WiFi 6 AX1800 Router

Brand: ZINWELL

Test Model: PWM-9832

Sample Status: Mass product

Applicant: ZINWELL Corporation

Test Date: 2026/1/7 ~ 2026/1/26

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 -4.42 dB at 0.43123 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -2.4 dB at 624.96 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.4 dB at 5470.00 MHz and 11570.00 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.

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	3.24 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	G.hn over Coax with WiFi 6 AX1800 Router
Brand	ZINWELL
Test Model	PWM-9832
Status of EUT	Mass product
Power Supply Rating	12Vdc from Adapter
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 ~ 5.7 GHz, 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 24 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 11 802.11ac (VHT80), 802.11ax (HE80): 5
Output Power	5.18 GHz ~ 5.24 GHz: 55.318 mW (17.43 dBm) 5.26 GHz ~ 5.32 GHz: 59.122 mW (17.72 dBm) 5.5 GHz ~ 5.7 GHz: 147.354 mW (21.68 dBm) 5.745 GHz ~ 5.825 GHz: 172.135 mW (22.36 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter 1	MASS POWER	S024-1D120200VU	AC Input: 100-240Vac, 50/60Hz, 0.6A (2pin wall-mount) DC Output: 12.0V, 2.0A (1.5m, without core)
AC Adapter 2	LUCENT TRANS	1A76-LDDB	AC Input: 100-240Vac, 50-60Hz, 600mA (2pin wall-mount) DC Output: 12.0V, 2.0A (1.5m, without core)
RJ45 cable	-	-	1.0m

2. There are WLAN (2.4 GHz) and WLAN (5 GHz) technology used for the EUT.

3. WLAN (2.4 GHz) and WLAN (5 GHz) technology can not transmit at same time.

4. The EUT does not support Partial RU technology.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	*Cable Length
ANT 1	0	INPAQ	RFPCA302708IMLB702	3.56	2.4 ~ 2.4835	PCB	ipex(MHF)	80mm
	0	INPAQ	RFPCA302708IMLB702	4.43	5.15 ~ 5.85	PCB	ipex(MHF)	80mm
ANT 2	2	INPAQ	RFPCA272307IM5B701	4.65	5.15 ~ 5.85	PCB	ipex(MHF)	70mm
ANT 3	1	INPAQ	RFPCA302706IMLB701	4.49	2.4 ~ 2.4835	PCB	ipex(MHF)	60mm
	1	INPAQ	RFPCA302706IMLB701	5.27	5.15 ~ 5.85	PCB	ipex(MHF)	60mm

* 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	3RX
802.11n (HT20)	2TX	3RX
802.11n (HT40)	2TX	3RX
802.11ac (VHT20)	2TX	3RX
802.11ac (VHT40)	2TX	3RX
802.11ac (VHT80)	2TX	3RX
802.11ax (HE20)	2TX	3RX
802.11ax (HE40)	2TX	3RX
802.11ax (HE80)	2TX	3RX

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 ~ 5700 MHz

11 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		

5 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		

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

Channel	Frequency	Channel	Frequency
106	5530 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

Pre-Scan:	1. EUT can be used in the following ways: Lying/ Standing. Pre-scan these ways and find the worst case as a representative test condition. 2. For Unwanted Emission below/ above 1 GHz has EUT with AC Adapter (Model:1A76-LDDB) / EUT with AC Adapter (Model:S024-1D120200VU) mode of power supply. Pre-scan these modes and find the worst case as a representative test condition.
Worst Case:	1. Lying/ Standing Worst Condition: Standing. 2. For Unwanted Emission below/above 1 GHz EUT with AC Adapter (Model:1A76-LDDB) mode is the worst case of power supply.

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

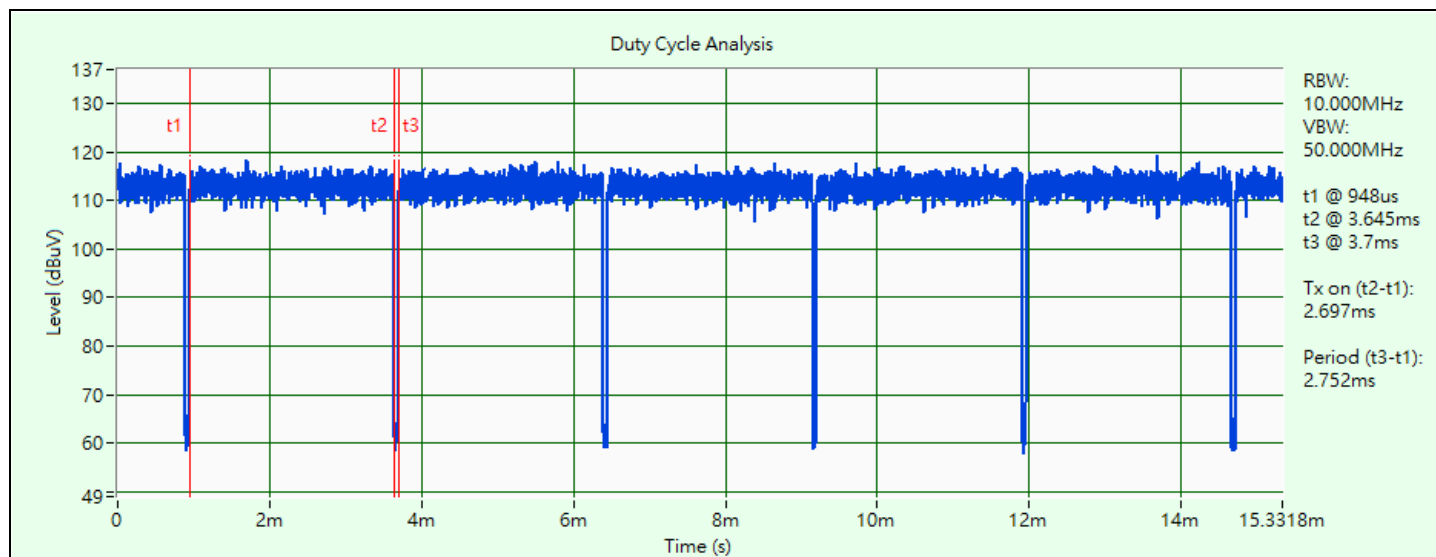
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	CDD	52, 60, 64, 100, 116, 140	BPSK	6Mb/s
		802.11n (HT20)	CDD	52, 60, 64, 100, 116, 140	BPSK	MCS0
		802.11n (HT40)	CDD	54, 62, 102, 110, 134	BPSK	MCS0
		802.11ac (VHT20)	CDD	52, 60, 64, 100, 116, 140	BPSK	MCS0
		802.11ac (VHT40)	CDD	54, 62, 102, 110, 134	BPSK	MCS0
		802.11ac (VHT80)	CDD	58, 106, 122	BPSK	MCS0
		802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140	BPSK	MCS0
		802.11ax (HE40)	CDD	54, 62, 102, 110, 134	BPSK	MCS0
		802.11ax (HE80)	CDD	58, 106, 122	BPSK	MCS0
RF Output Power	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Power Spectral Density	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
6 dB Bandwidth	A	802.11a	CDD	149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD	149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD	151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD	149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD	151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD	155	BPSK	MCS0
		802.11ax (HE20)	CDD	149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	155	BPSK	MCS0
Occupied Bandwidth	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0

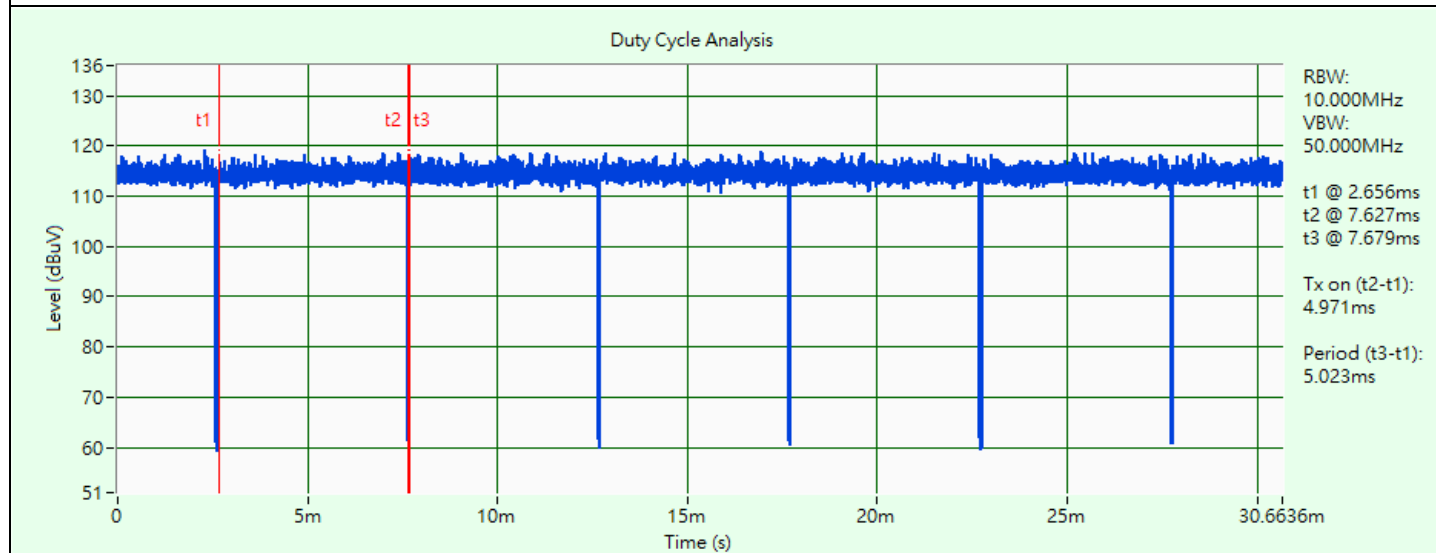
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
		802.11ax (HE80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
AC Power Conducted Emissions	A	802.11n (HT20)	CDD	165	BPSK	MCS0
	B	802.11n (HT20)	CDD	165	BPSK	MCS0
Unwanted Emissions below 1 GHz	A	802.11n (HT20)	CDD	165	BPSK	MCS0
Unwanted Emissions above 1 GHz	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 155	BPSK	MCS0
EUT Configure Mode:	A	EUT with AC Adapter (Model:1A76-LDDB)				
	B	EUT with AC Adapter (Model:S024-1D120200VU)				

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 2.697 ms / 2.752 ms x 100% = 98.0%
802.11n (HT20): Duty cycle = 4.971 ms / 5.023 ms x 100% = 99.0%
802.11n (HT40): Duty cycle = 4.79 ms / 4.844 ms x 100% = 98.9%
802.11ac (VHT20): Duty cycle = 4.983 ms / 5.035 ms x 100% = 99.0%
802.11ac (VHT40): Duty cycle = 4.79 ms / 4.838 ms x 100% = 99.0%
802.11ac (VHT80): Duty cycle = 2.232 ms / 2.274 ms x 100% = 98.2%
802.11ax (HE20): Duty cycle = 3.786 ms / 3.839 ms x 100% = 98.6%
802.11ax (HE40): Duty cycle = 3.784 ms / 3.831 ms x 100% = 98.8%
802.11ax (HE80): Duty cycle = 3.613 ms / 3.668 ms x 100% = 98.5%

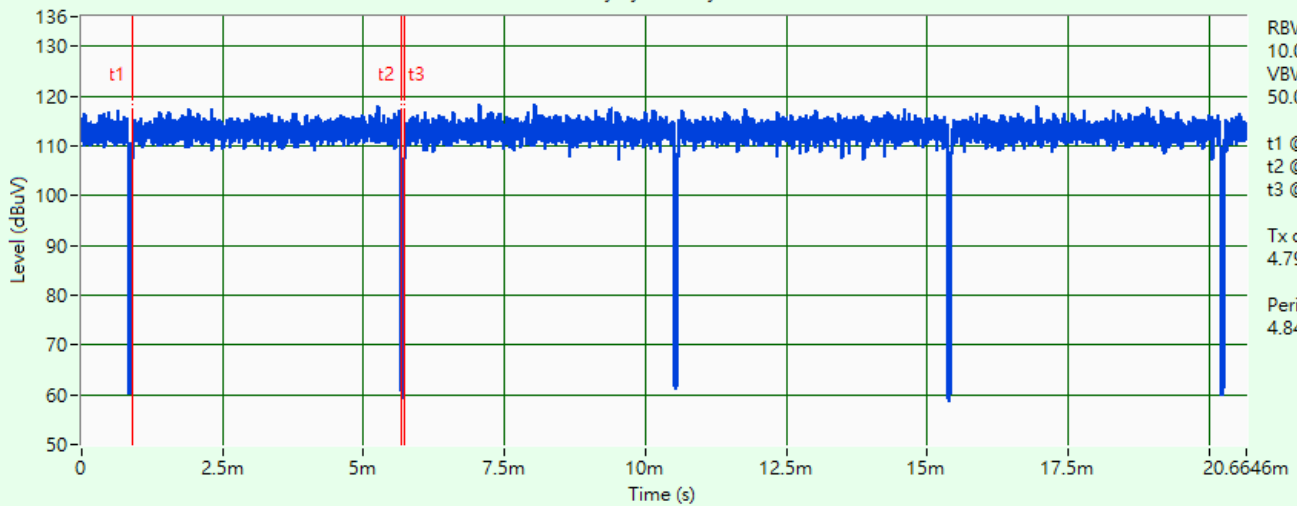


802.11a



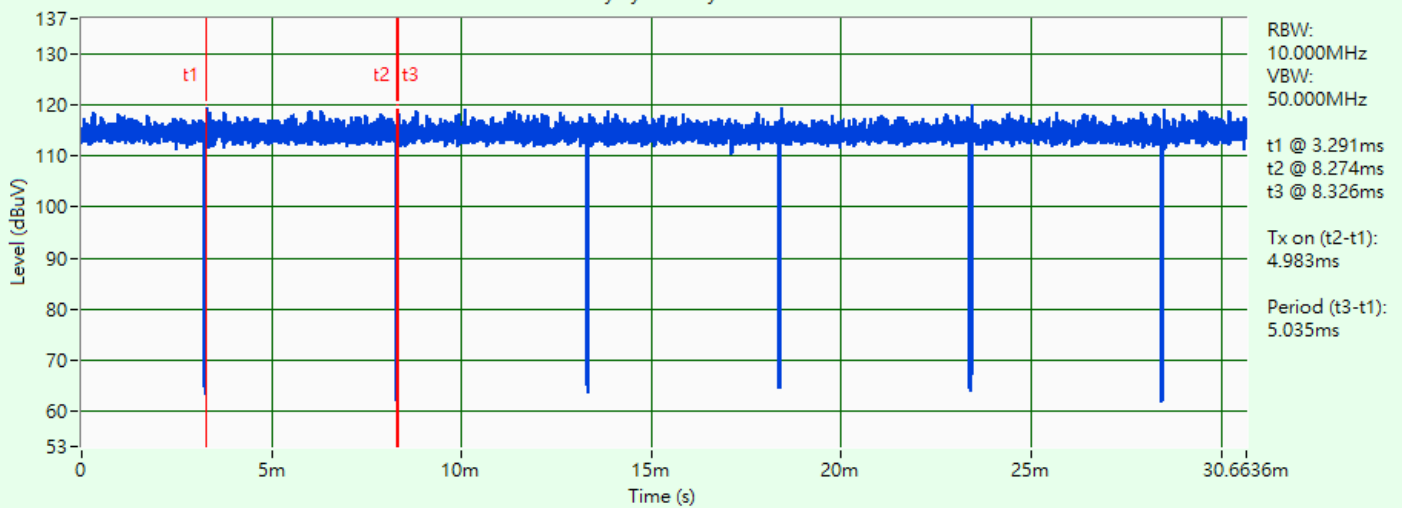
802.11n (HT20)

Duty Cycle Analysis



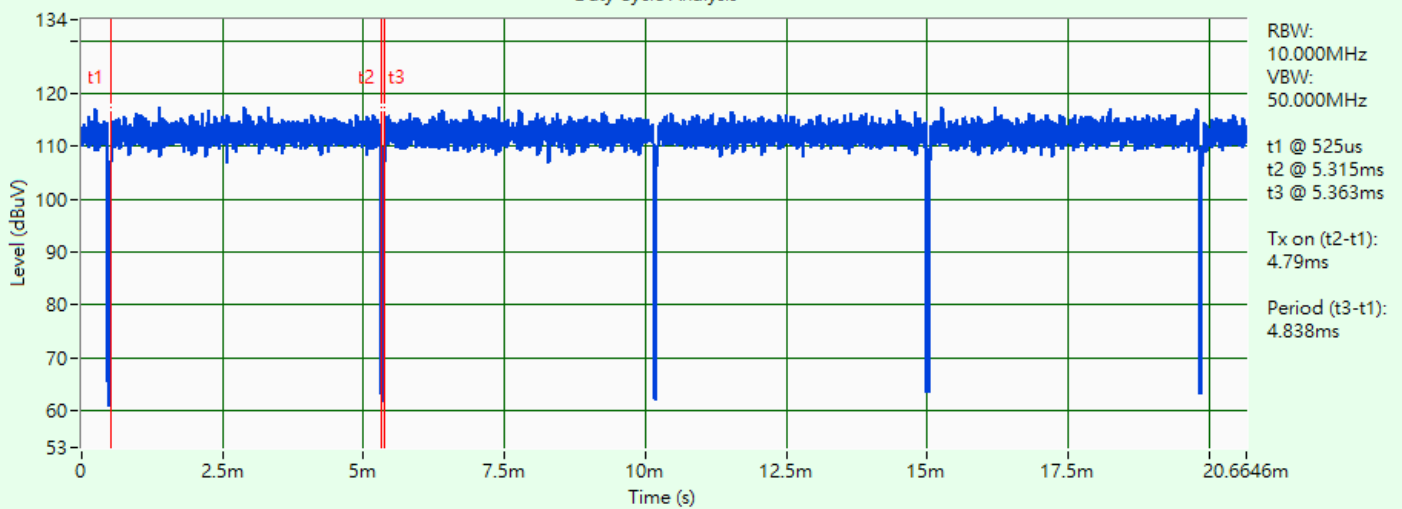
802.11n (HT40)

Duty Cycle Analysis



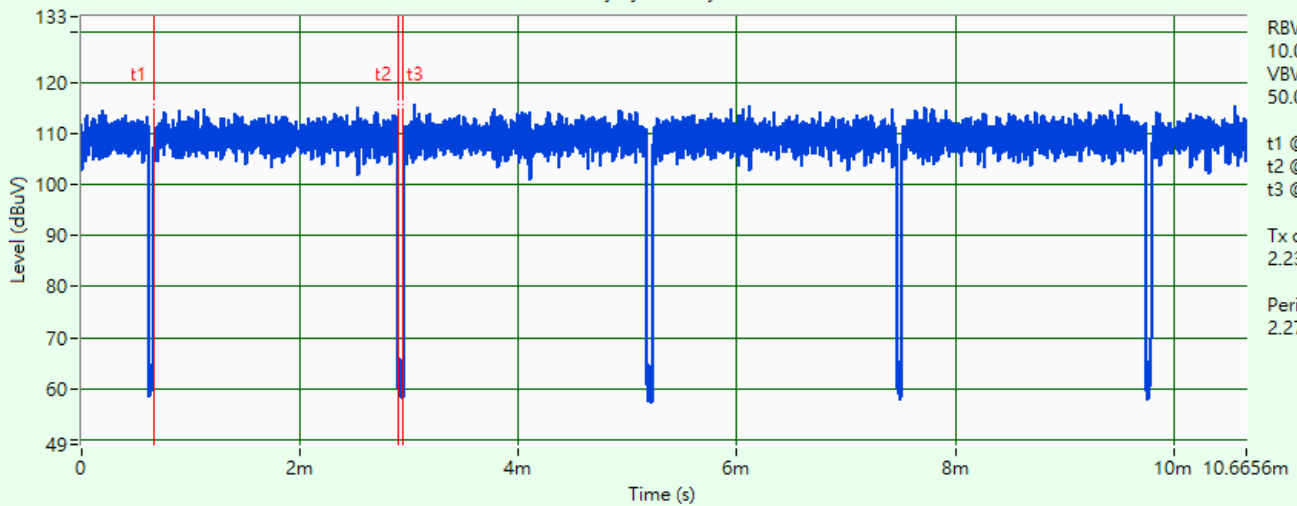
802.11ac (VHT20)

Duty Cycle Analysis



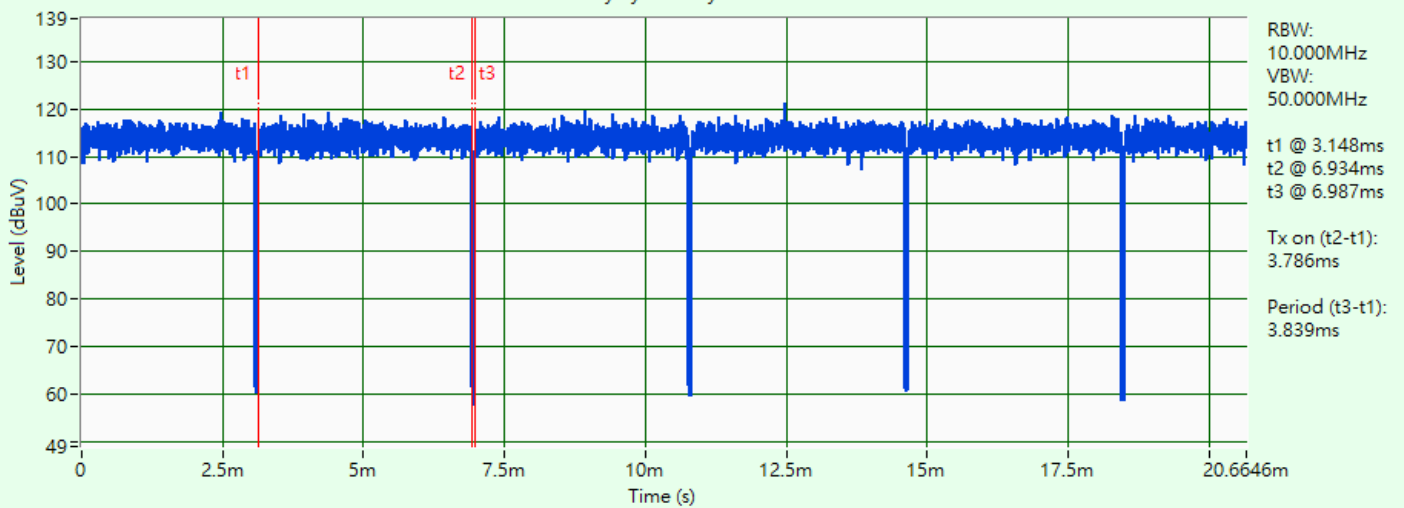
802.11ac (VHT40)

Duty Cycle Analysis



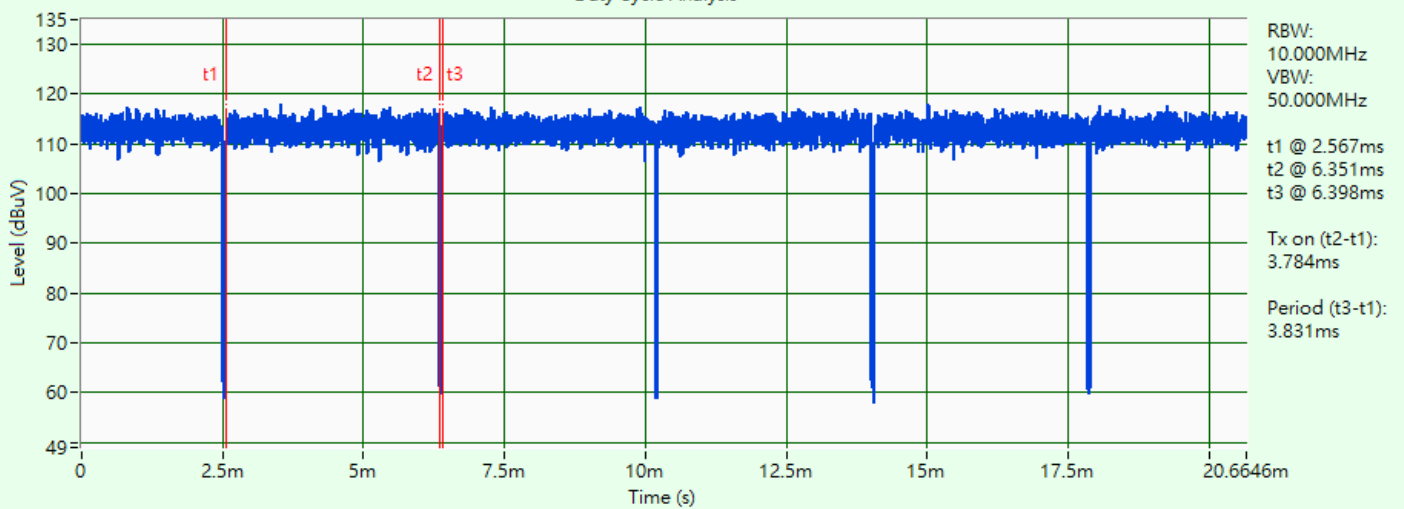
802.11ac (VHT80)

Duty Cycle Analysis

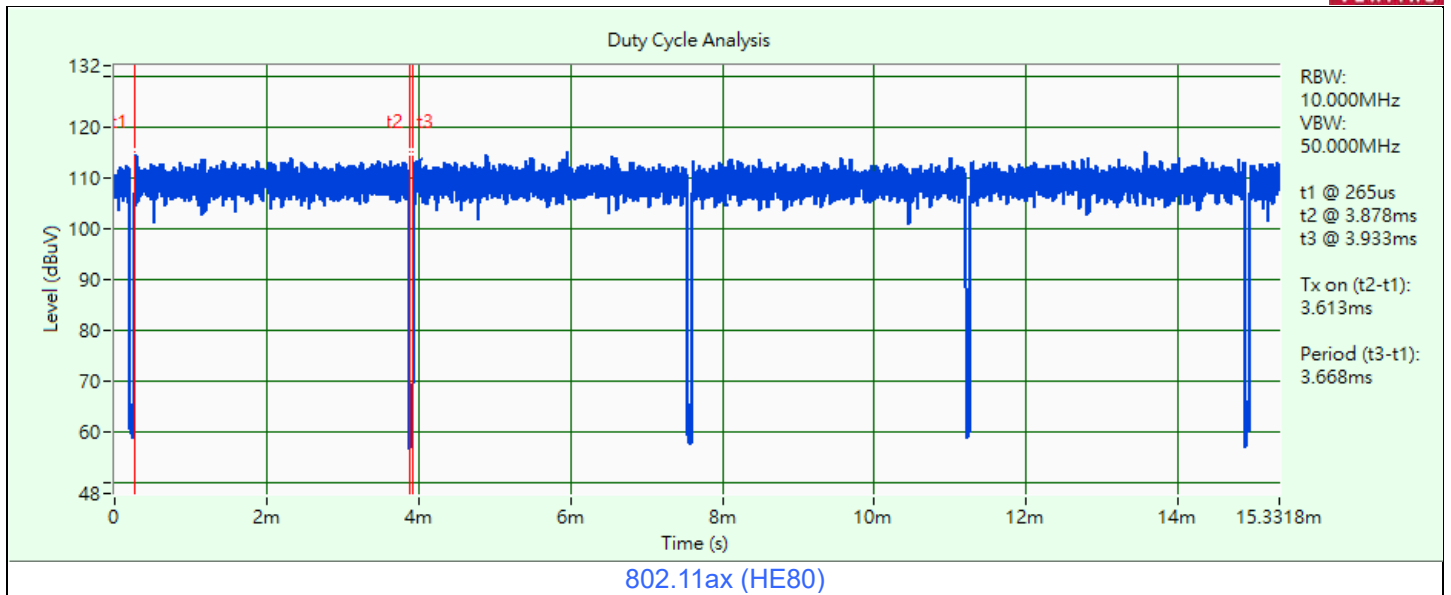


802.11ax (HE20)

Duty Cycle Analysis



802.11ax (HE40)

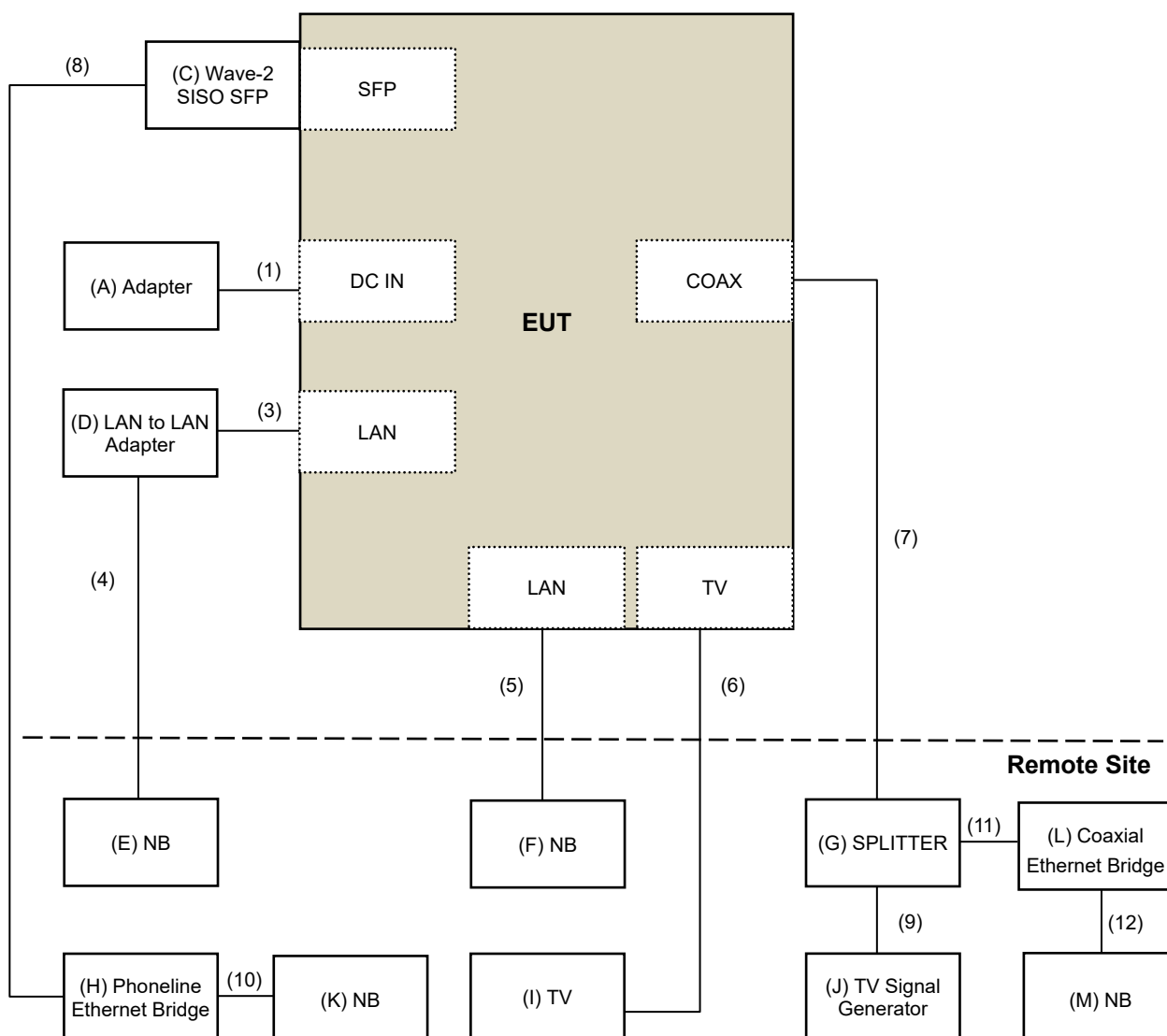


3.6 Test Program Used and Operation Descriptions

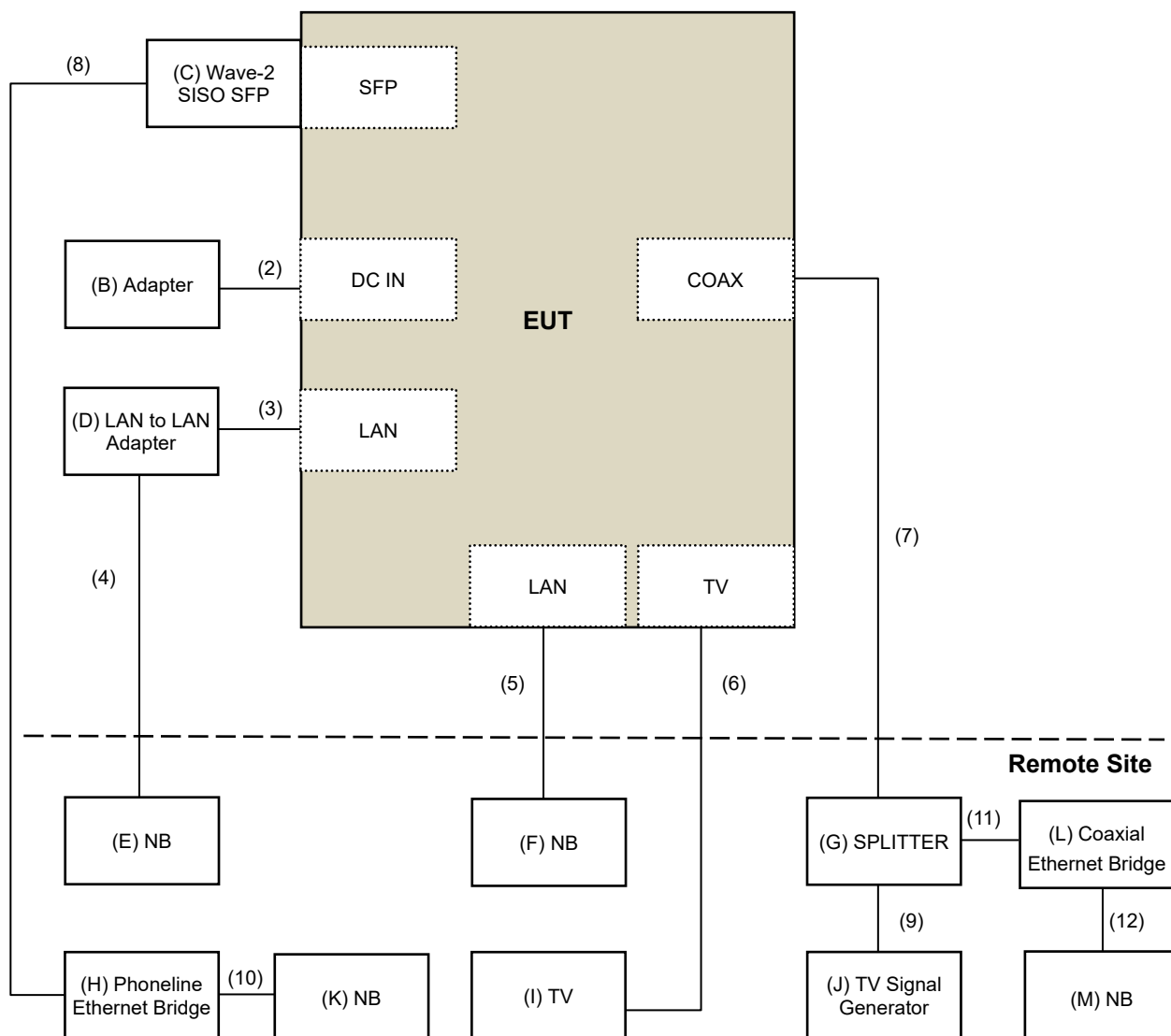
Controlling software (package_Ulv2.13_DLLv5.11_20191004-alpha-RSSI -DFS) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	LUCENT TRANS	1A76-LDDB	N/A	N/A	Supplied by applicant
B	Adapter	MASS POWER	S024-1D120200VU	N/A	N/A	Supplied by applicant
C	Wave-2 SISO SFP	ZINWELL	zGhn-3100C	N/A	DoC	Supplied by applicant
D	LAN to LAN Adapter	BV	BV	N/A	N/A	Provided by Lab
E	NB	Lenovo	IdeaPad 5 15ITL05	N/A	N/A	Provided by Lab
F	NB	Lenovo	IdeaPad 5 15ITL05	N/A	N/A	Provided by Lab
G	SPLITTER	ZINWELL	MSG-2	N/A	N/A	Supplied by applicant
H	Phoneline Ethernet Bridge	ZINWELL	PLM-9702	N/A	DoC	Supplied by applicant
I	TV	SHARP	LC-32LD166K	N/A	N/A	Provided by Lab
J	TV Signal Generator	BSK	SDG-3000	N/A	N/A	Provided by Lab
K	NB	Dell	P90F	N/A	N/A	Provided by Lab
L	Coaxial Ethernet Bridge	ZINWELL	PLM-9802	N/A	DoC	Supplied by applicant
M	NB	Dell	P90F	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC cable	1	1.5	N	0	Supplied by applicant
2	DC cable	1	1.5	N	0	Supplied by applicant
3	LAN cable	1	1	N	0	Supplied by applicant
4	RJ45 cable	1	10	N	0	Provided by Lab
5	RJ45 cable	1	10	N	0	Provided by Lab
6	Coaxial cable	1	10	Y	0	Provided by Lab
7	Coaxial cable	1	10	Y	0	Provided by Lab
8	RJ11 cable	1	10	N	0	Provided by Lab
9	Coaxial cable	1	1.5	Y	0	Provided by Lab
10	RJ45 cable	1	1	N	0	Provided by Lab
11	Coaxial cable	1	1.5	Y	0	Provided by Lab
12	RJ45 cable	1	1	N	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
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 Linkou - Oven
2. Tested Date: 2026/1/26

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
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2

Notes:

1. The test was performed in Linkou - Oven
2. Tested Date: 2026/1/26

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	EPL 1000	101064	2025/4/17	2026/4/16
		101065	2025/4/22	2026/4/21
	ESR3	102412	2025/12/23	2026/12/22
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	2025/12/3	2026/12/2
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	2025/10/9	2026/10/8
		8129229	2025/10/14	2026/10/13
	NSLK 8128	8128-244	2025/11/11	2026/11/10
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: 2026/1/9

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
MXE EMI Receiver Agilent	N9038A	MY51210114	2025/2/10	2026/2/9
Preamplifier Agilent	8447D	2944A11064	2025/2/14	2026/2/13
Radiating Loop Antenna TESEQ	RLA 6120-20	80002	2025/7/29	2026/7/28
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_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: 2026/1/22

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	2025/11/9	2026/11/8
Horn Antenna ETS-Lindgren	3117-PA	00215857	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	212	2025/10/28	2026/10/27
		BBHA9170190	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY51210114	2025/2/10	2026/2/9
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: 2026/1/7 ~ 2026/1/21

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.

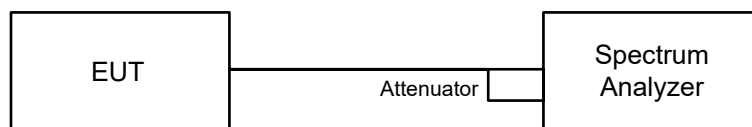
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

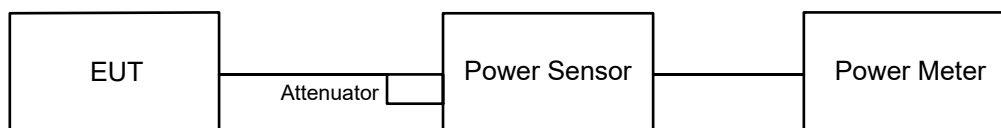


6.1.2 Test Procedure

- 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

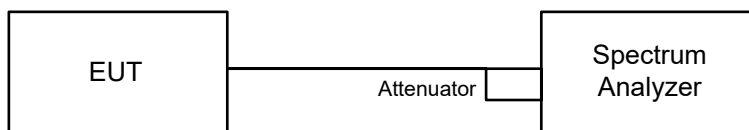


6.2.2 Test Procedure

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.

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

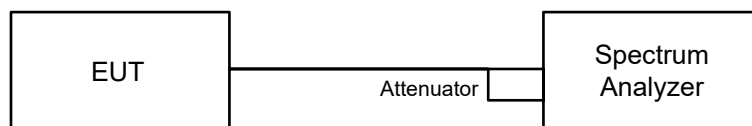
For specified measurement bandwidth 500 kHz:

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

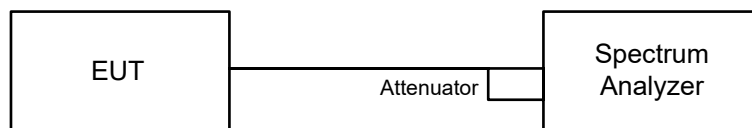


6.4.2 Test Procedure

- 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



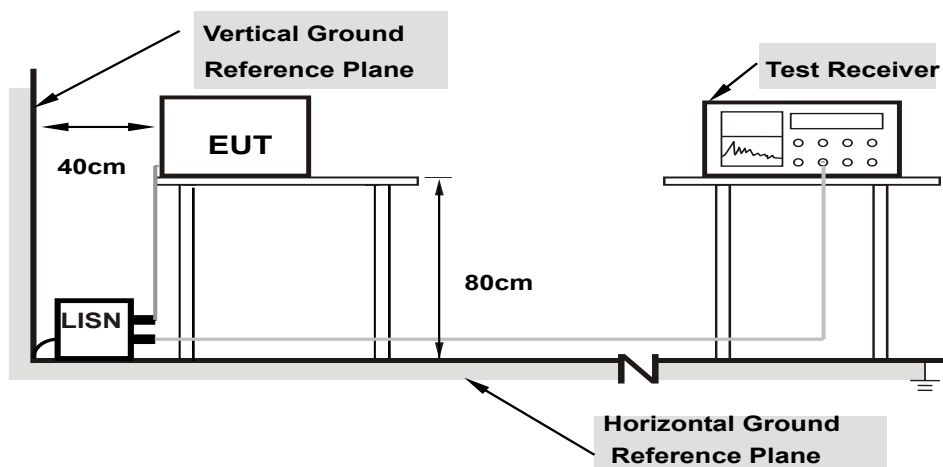
6.5.2 Test Procedure

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:

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

6.6 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

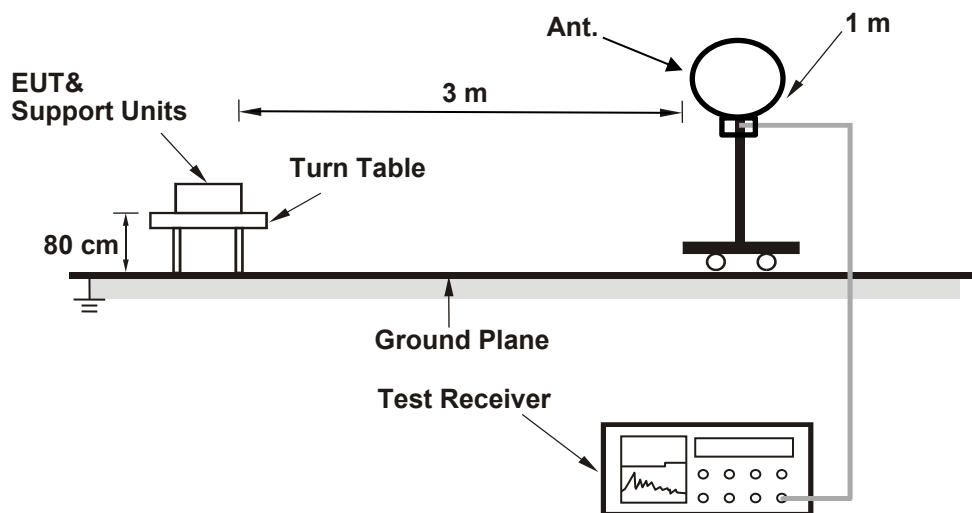
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The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

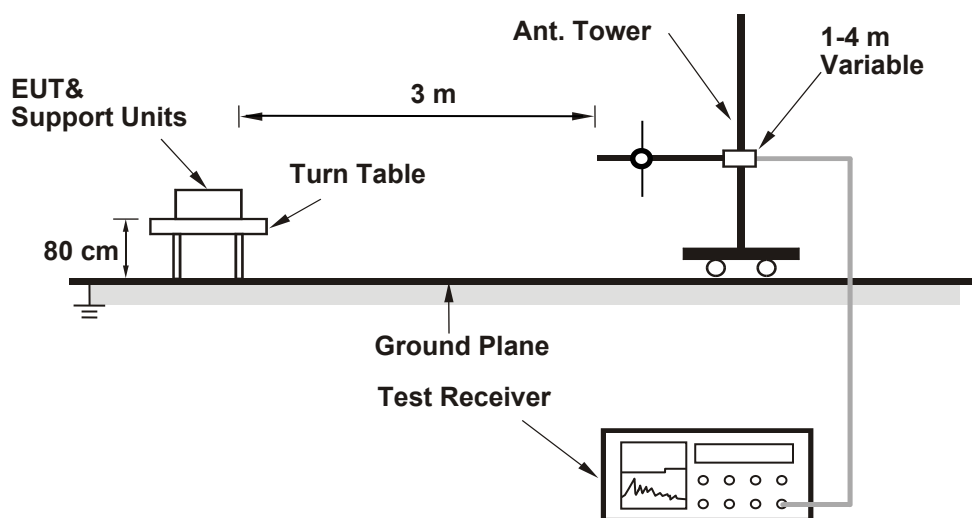
6.7 Unwanted Emissions below 1 GHz

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 (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

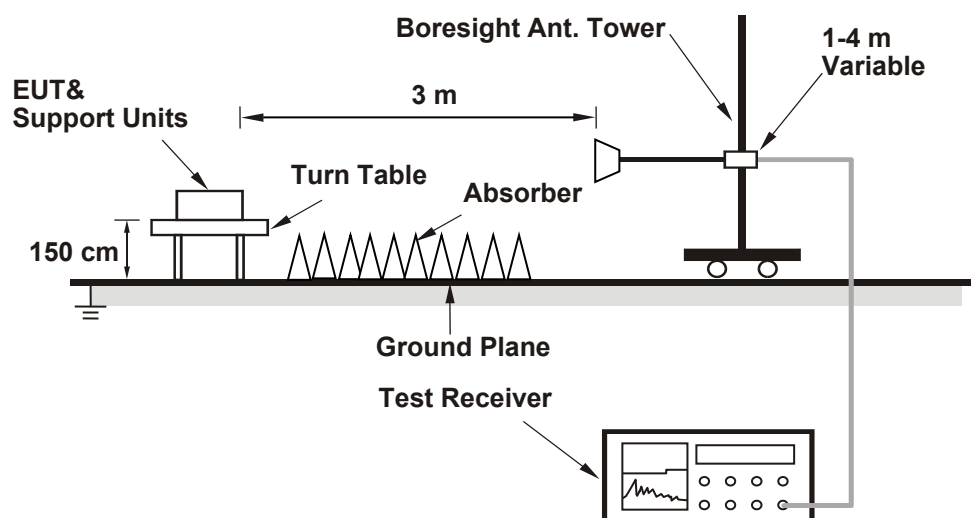
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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 (however, peak detector measurements may be used to determine compliance with QP requirements).
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	19.86	20.08
60	5300	20.02	20.01
64	5320	19.90	19.95
100	5500	20.19	20.16
116	5580	19.99	20.04
140	5700	19.93	20.12

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.86	23.97	<	24
60	5300	20.01	24.01	>	24
64	5320	19.90	23.98	<	24
100	5500	20.16	24.04	>	24
116	5580	19.99	24	=	24
140	5700	19.93	23.99	<	24

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

802.11n (HT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.41	20.48
60	5300	20.31	20.38
64	5320	20.35	20.60
100	5500	20.45	20.51
116	5580	20.32	20.52
140	5700	20.31	20.50

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.41	24.09	>	24
60	5300	20.31	24.07	>	24
64	5320	20.35	24.08	>	24
100	5500	20.45	24.1	>	24
116	5580	20.32	24.07	>	24
140	5700	20.31	24.07	>	24

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

802.11n (HT40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	39.87	39.96
62	5310	39.65	41.05
102	5510	39.73	40.78
110	5550	39.96	40.94
134	5670	40.00	39.80

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	39.87	27	>	24
62	5310	39.65	26.98	>	24
102	5510	39.73	26.99	>	24
110	5550	39.96	27.01	>	24
134	5670	39.80	26.99	>	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	20.40	20.51
60	5300	20.21	20.43
64	5320	20.30	20.53
100	5500	20.38	20.45
116	5580	20.23	20.48
140	5700	20.30	20.45

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	20.40	24.09	>	24
60	5300	20.21	24.05	>	24
64	5320	20.30	24.07	>	24
100	5500	20.38	24.09	>	24
116	5580	20.23	24.05	>	24
140	5700	20.30	24.07	>	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	39.43	40.81
62	5310	39.97	40.69
102	5510	39.47	40.38
110	5550	39.65	40.97
134	5670	39.83	39.82

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	39.43	26.95	>	24
62	5310	39.97	27.01	>	24
102	5510	39.47	26.96	>	24
110	5550	39.65	26.98	>	24
134	5670	39.82	27	>	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	80.31	80.64
106	5530	80.43	80.88
122	5610	80.37	80.65

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	80.31	30.04	>	24
106	5530	80.43	30.05	>	24
122	5610	80.37	30.05	>	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	23.73	23.22
60	5300	22.04	23.40
64	5320	21.89	22.49
100	5500	23.16	21.88
116	5580	21.62	22.32
140	5700	23.46	21.78

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	23.22	24.65	>	24
60	5300	22.04	24.43	>	24
64	5320	21.89	24.4	>	24
100	5500	21.88	24.4	>	24
116	5580	21.62	24.34	>	24
140	5700	21.78	24.38	>	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	39.62	39.70
62	5310	39.66	39.72
102	5510	39.70	39.64
110	5550	39.77	39.69
134	5670	39.54	39.53

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	39.62	26.97	>	24
62	5310	39.66	26.98	>	24
102	5510	39.64	26.98	>	24
110	5550	39.69	26.98	>	24
134	5670	39.53	26.96	>	24

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

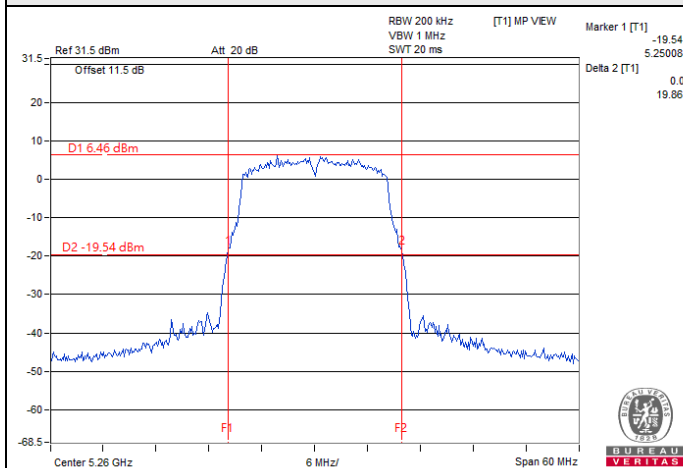
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	81.05	81.12
106	5530	80.87	81.13
122	5610	81.04	80.99

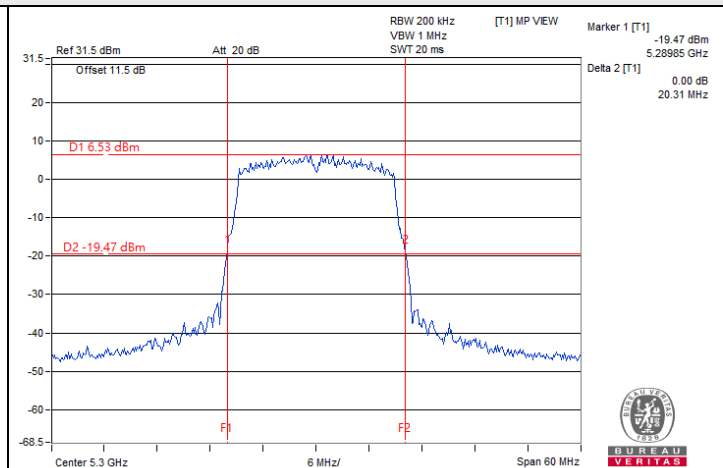
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	81.05	30.08	>	24
106	5530	80.87	30.07	>	24
122	5610	80.99	30.08	>	24

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

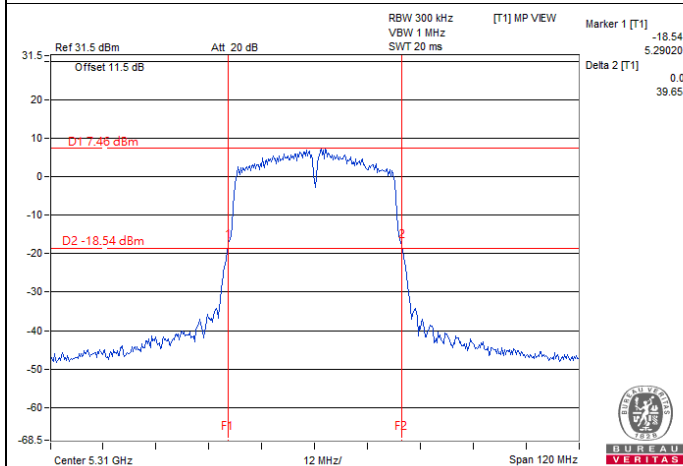
Spectrum Plot of Minimum Value



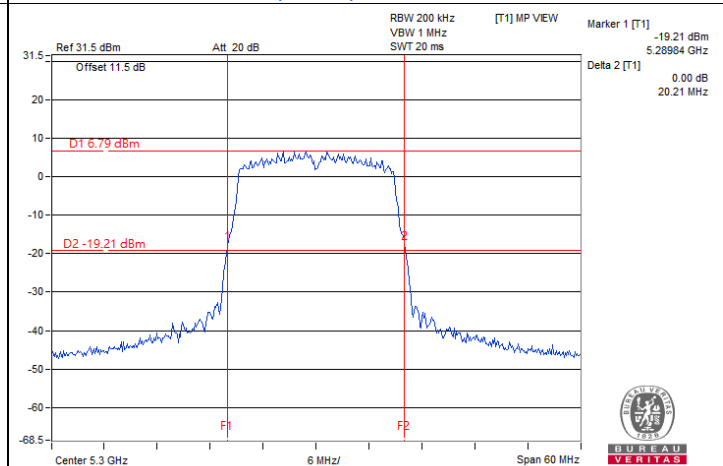
802.11a / Chain 0: CH 52



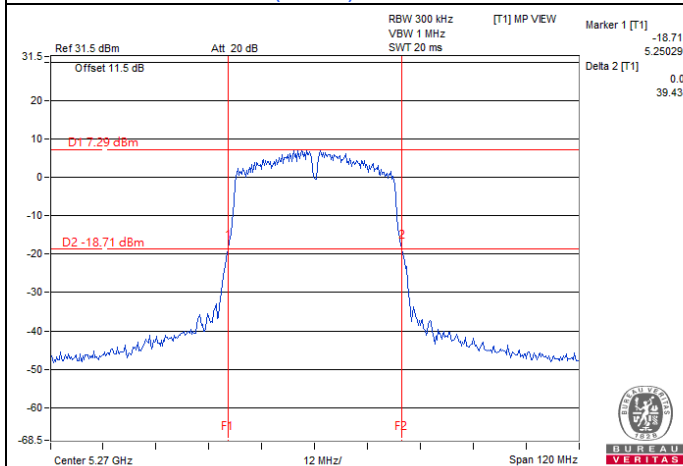
802.11n (HT20) / Chain 0: CH 60



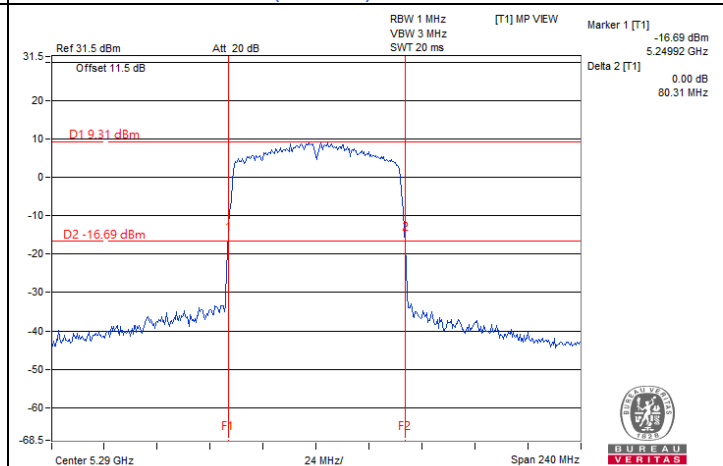
802.11n (HT40) / Chain 0: CH 62



802.11ac (VHT20) / Chain 0: CH 60

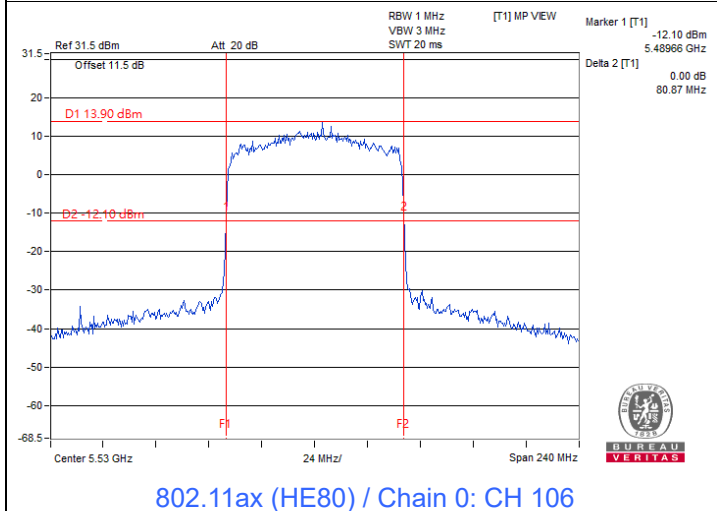
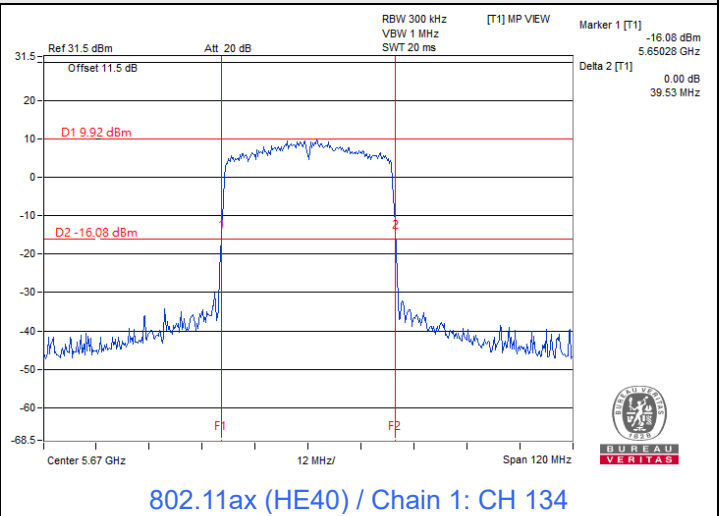
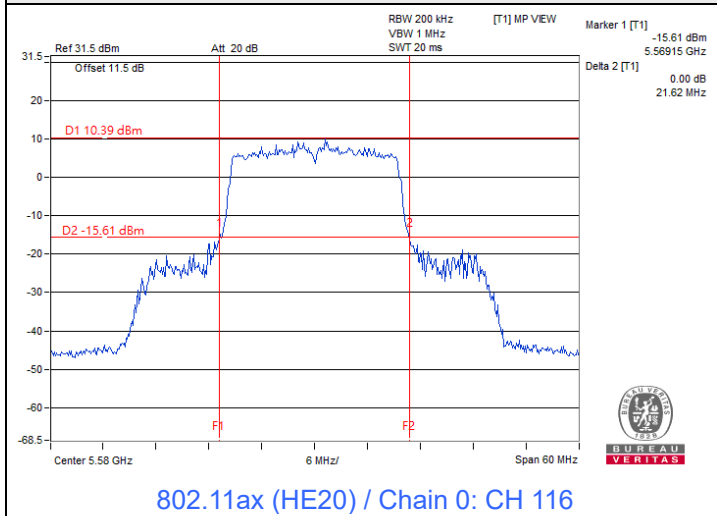


802.11ac (VHT40) / Chain 0: CH 54



802.11ac (VHT80) / Chain 0: CH 58

Spectrum Plot of Minimum Value



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	10.73	10.21	22.326	13.49	30	Pass
40	5200	10.63	10.19	22.008	13.43	30	Pass
48	5240	10.59	10.15	21.807	13.39	30	Pass
52	5260	14.45	14.89	58.693	17.69	23.97	Pass
60	5300	14.48	14.91	59.029	17.71	24	Pass
64	5320	14.48	14.90	58.957	17.71	23.98	Pass
100	5500	17.07	17.04	101.516	20.07	24	Pass
116	5580	14.87	14.76	60.613	17.83	24	Pass
140	5700	15.61	15.57	72.449	18.60	23.99	Pass
149	5745	17.29	17.22	106.303	20.27	30	Pass
157	5785	17.78	17.73	119.272	20.77	30	Pass
165	5825	18.05	18.01	127.068	21.04	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.15	9.94	20.214	13.06	30	Pass
40	5200	10.17	9.96	20.308	13.08	30	Pass
48	5240	10.12	9.89	20.03	13.02	30	Pass
52	5260	14.37	14.87	58.043	17.64	24	Pass
60	5300	14.31	14.78	57.038	17.56	24	Pass
64	5320	14.42	14.86	58.289	17.66	24	Pass
100	5500	16.53	16.74	92.184	19.65	24	Pass
116	5580	15.26	15.51	69.137	18.40	24	Pass
140	5700	18.50	18.84	147.354	21.68	24	Pass
149	5745	16.73	16.98	96.986	19.87	30	Pass
157	5785	18.44	18.67	143.444	21.57	30	Pass
165	5825	19.07	19.61	172.135	22.36	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	12.42	12.27	34.324	15.36	30	Pass
46	5230	12.41	12.23	34.129	15.33	30	Pass
54	5270	14.40	14.88	58.303	17.66	24	Pass
62	5310	14.41	14.85	58.155	17.65	24	Pass
102	5510	18.22	18.37	135.081	21.31	24	Pass
110	5550	18.52	18.79	146.805	21.67	24	Pass
134	5670	18.47	18.19	136.225	21.34	24	Pass
151	5755	18.89	19.42	164.945	22.17	30	Pass
159	5795	18.96	19.41	166.002	22.20	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 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	10.59	10.30	22.17	13.46	30	Pass
40	5200	10.65	10.34	22.429	13.51	30	Pass
48	5240	10.68	10.32	22.46	13.51	30	Pass
52	5260	14.38	14.75	57.27	17.58	24	Pass
60	5300	14.31	14.85	57.527	17.60	24	Pass
64	5320	14.44	14.92	58.843	17.70	24	Pass
100	5500	17.53	17.51	112.988	20.53	24	Pass
116	5580	14.85	14.99	62.099	17.93	24	Pass
140	5700	17.57	17.85	118.102	20.72	24	Pass
149	5745	17.66	17.87	119.58	20.78	30	Pass
157	5785	17.68	17.84	119.427	20.77	30	Pass
165	5825	17.75	18.30	127.175	21.04	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 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	12.96	12.81	38.868	15.90	30	Pass
46	5230	12.94	12.75	38.515	15.86	30	Pass
54	5270	14.47	14.92	59.035	17.71	24	Pass
62	5310	14.46	14.90	58.828	17.70	24	Pass
102	5510	17.45	17.62	113.4	20.55	24	Pass
110	5550	17.61	18.05	121.503	20.85	24	Pass
134	5670	17.68	17.53	115.238	20.62	24	Pass
151	5755	17.43	17.99	118.286	20.73	30	Pass
159	5795	17.42	18.01	118.449	20.74	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 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	14.68	14.14	55.318	17.43	30	Pass
58	5290	14.44	14.85	58.346	17.66	24	Pass
106	5530	16.55	16.67	91.637	19.62	24	Pass
122	5610	17.10	17.45	106.877	20.29	24	Pass
155	5775	17.11	17.21	104.006	20.17	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 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	10.79	10.55	23.345	13.68	30	Pass
40	5200	10.85	10.63	23.723	13.75	30	Pass
48	5240	10.84	10.61	23.642	13.74	30	Pass
52	5260	14.45	14.95	59.122	17.72	24	Pass
60	5300	14.37	14.92	58.398	17.66	24	Pass
64	5320	14.39	14.94	58.668	17.68	24	Pass
100	5500	16.17	16.08	81.951	19.14	24	Pass
116	5580	16.16	16.46	85.564	19.32	24	Pass
140	5700	16.35	16.66	89.497	19.52	24	Pass
149	5745	16.14	16.32	83.97	19.24	30	Pass
157	5785	16.16	16.41	85.057	19.30	30	Pass
165	5825	16.09	16.54	85.726	19.33	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 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	13.19	12.94	40.524	16.08	30	Pass
46	5230	13.17	12.88	40.158	16.04	30	Pass
54	5270	14.45	14.94	59.05	17.71	24	Pass
62	5310	14.47	14.91	58.964	17.71	24	Pass
102	5510	16.34	16.44	87.108	19.40	24	Pass
110	5550	16.30	16.70	89.431	19.51	24	Pass
134	5670	16.16	15.97	80.841	19.08	24	Pass
151	5755	16.14	16.74	88.321	19.46	30	Pass
159	5795	16.18	16.67	87.947	19.44	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 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	14.56	14.26	55.244	17.42	30	Pass
58	5290	14.50	14.80	58.383	17.66	24	Pass
106	5530	16.27	16.34	85.417	19.32	24	Pass
122	5610	16.31	16.73	89.854	19.54	24	Pass
155	5775	16.30	16.53	87.636	19.43	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 5.27 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

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	-0.67	-1.19	2.09	15.13	Pass
40	5200	-0.63	-1.32	2.05	15.13	Pass
48	5240	-1.07	-1.53	1.72	15.13	Pass
52	5260	3.00	2.99	6.01	9.13	Pass
60	5300	3.29	4.04	6.69	9.13	Pass
64	5320	3.14	3.66	6.42	9.13	Pass
100	5500	6.11	5.95	9.04	9.13	Pass
116	5580	3.33	3.91	6.64	9.13	Pass
140	5700	5.26	4.91	8.10	9.13	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
4. For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
5. For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-0.69	-1.18	2.08	15.13	Pass
40	5200	-0.67	-1.13	2.12	15.13	Pass
48	5240	-1.26	-1.74	1.52	15.13	Pass
52	5260	3.03	3.76	6.42	9.13	Pass
60	5300	3.25	3.74	6.51	9.13	Pass
64	5320	3.01	3.39	6.21	9.13	Pass
100	5500	4.61	4.88	7.76	9.13	Pass
116	5580	3.77	4.06	6.93	9.13	Pass
140	5700	5.07	4.98	8.04	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-0.89	-1.02	2.06	15.13	Pass
46	5230	-0.96	-1.47	1.80	15.13	Pass
54	5270	1.48	1.89	4.70	9.13	Pass
62	5310	1.44	1.91	4.69	9.13	Pass
102	5510	4.41	4.61	7.52	9.13	Pass
110	5550	5.95	6.13	9.05	9.13	Pass
134	5670	6.24	5.87	9.07	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-0.66	-1.21	2.08	15.13	Pass
40	5200	-0.62	-1.18	2.12	15.13	Pass
48	5240	-0.86	-1.32	1.93	15.13	Pass
52	5260	3.19	3.73	6.48	9.13	Pass
60	5300	3.13	3.68	6.42	9.13	Pass
64	5320	2.88	3.47	6.20	9.13	Pass
100	5500	5.96	5.86	8.92	9.13	Pass
116	5580	3.35	3.49	6.43	9.13	Pass
140	5700	6.02	6.15	9.10	9.13	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
4. For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
5. For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-0.92	-1.08	2.01	15.13	Pass
46	5230	-0.98	-1.33	1.86	15.13	Pass
54	5270	1.62	1.94	4.79	9.13	Pass
62	5310	1.31	1.96	4.66	9.13	Pass
102	5510	4.08	4.36	7.23	9.13	Pass
110	5550	4.52	4.69	7.62	9.13	Pass
134	5670	4.84	5.03	7.95	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-1.43	-1.01	1.80	15.13	Pass
58	5290	-1.80	-1.24	1.50	9.13	Pass
106	5530	-0.40	-0.15	2.74	9.13	Pass
122	5610	-0.07	0.06	3.01	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ 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	-0.81	-1.16	2.03	15.13	Pass
40	5200	-0.77	-1.10	2.08	15.13	Pass
48	5240	-0.94	-1.60	1.75	15.13	Pass
52	5260	2.84	3.45	6.17	9.13	Pass
60	5300	2.94	3.48	6.23	9.13	Pass
64	5320	2.66	3.26	5.98	9.13	Pass
100	5500	3.80	4.02	6.92	9.13	Pass
116	5580	4.54	4.60	7.58	9.13	Pass
140	5700	5.05	4.92	8.00	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ 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	-0.89	-1.18	1.98	15.13	Pass
46	5230	-0.91	-1.22	1.95	15.13	Pass
54	5270	0.64	1.27	3.98	9.13	Pass
62	5310	0.67	1.22	3.96	9.13	Pass
102	5510	2.59	2.51	5.56	9.13	Pass
110	5550	2.92	3.12	6.03	9.13	Pass
134	5670	2.86	2.88	5.88	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ 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	-1.39	-1.46	1.59	15.13	Pass
58	5290	-2.37	-1.56	1.06	9.13	Pass
106	5530	-0.52	-0.46	2.52	9.13	Pass
122	5610	-0.47	-0.44	2.56	9.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $17 - (7.87 - 6) = 15.13$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.87 - 6) = 9.13$ 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				
149	5745	-2.28	-2.23	0.76	2.98	28.13	Pass
157	5785	-1.84	-1.89	1.15	3.37	28.13	Pass
165	5825	-1.83	-1.31	1.45	3.67	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

802.11n (HT20)

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				
149	5745	-2.80	-2.64	0.29	2.51	28.13	Pass
157	5785	-1.17	-0.98	1.94	4.16	28.13	Pass
165	5825	-0.37	0.00	2.83	5.05	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

802.11n (HT40)

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				
151	5755	-3.46	-2.54	0.03	2.25	28.13	Pass
159	5795	-3.15	-2.45	0.22	2.44	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

802.11ac (VHT20)

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				
149	5745	-1.53	-0.88	1.82	4.04	28.13	Pass
157	5785	-1.85	-1.49	1.34	3.56	28.13	Pass
165	5825	-1.69	-1.46	1.44	3.66	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

802.11ac (VHT40)

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				
151	5755	-4.64	-3.63	-1.1	1.12	28.13	Pass
159	5795	-4.69	-4.03	-1.34	0.88	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

802.11ac (VHT80)

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				
155	5775	-8.48	-8.37	-5.41	-3.19	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ 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				
149	5745	-4.72	-4.08	-1.38	0.84	28.13	Pass
157	5785	-4.78	-4.23	-1.49	0.73	28.13	Pass
165	5825	-4.79	-4.44	-1.6	0.62	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ 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				
151	5755	-6.55	-5.91	-3.21	-0.99	28.13	Pass
159	5795	-6.64	-5.99	-3.29	-1.07	28.13	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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

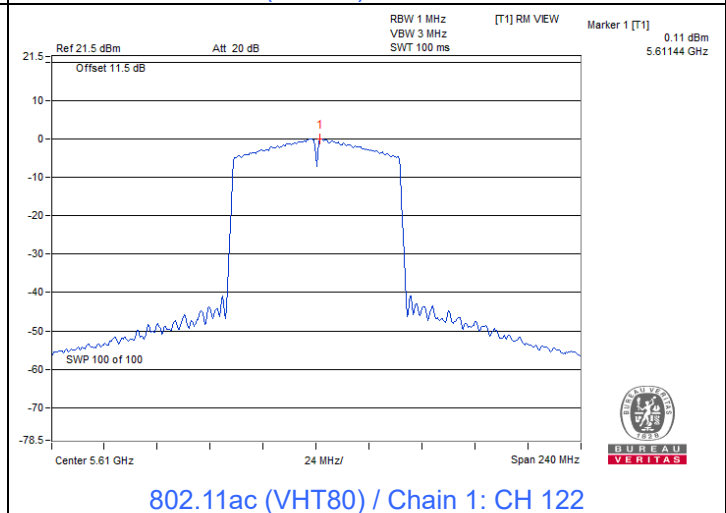
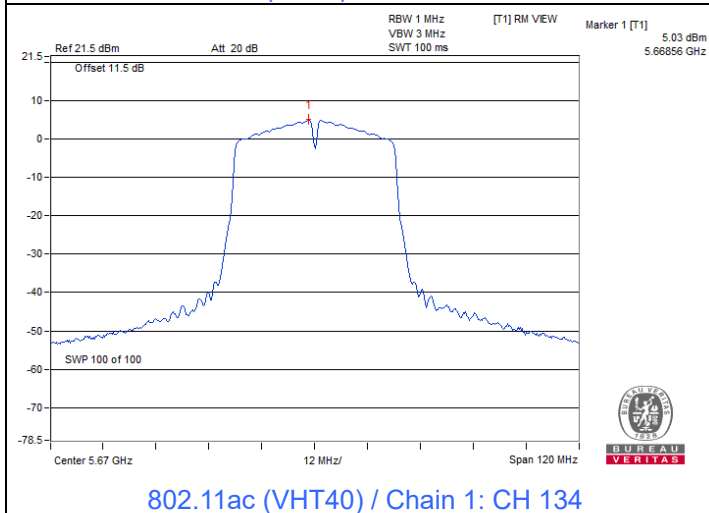
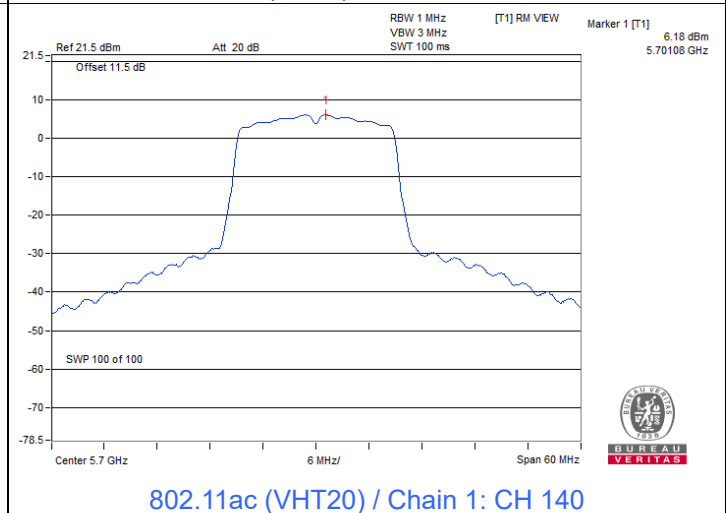
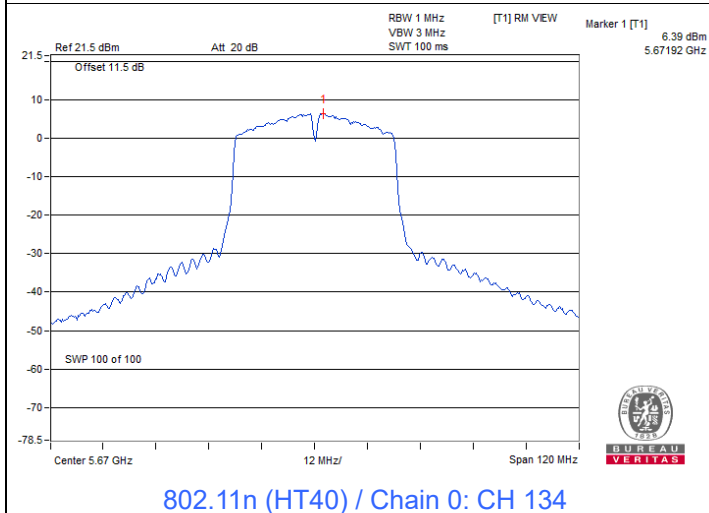
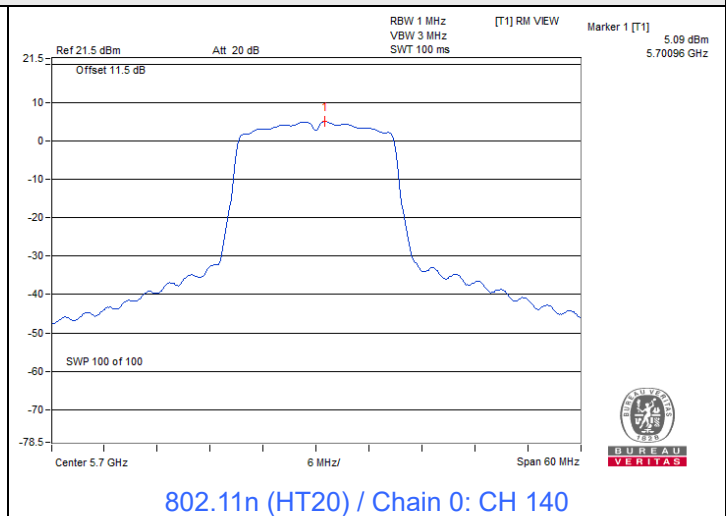
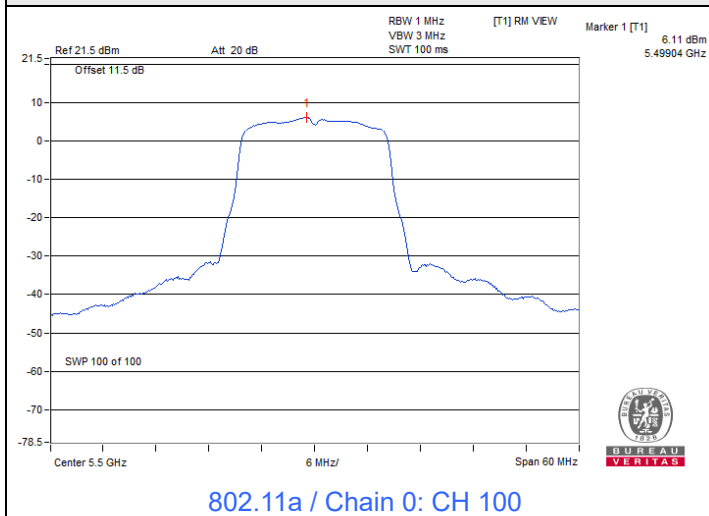
802.11ax (HE80)

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				
155	5775	-9.42	-8.73	-6.05	-3.83	28.13	Pass

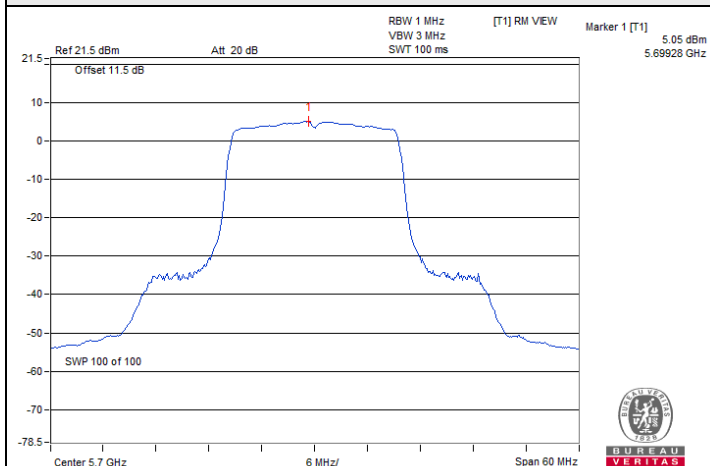
Notes:

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 7.87 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.87 - 6) = 28.13$ dBm/500kHz.

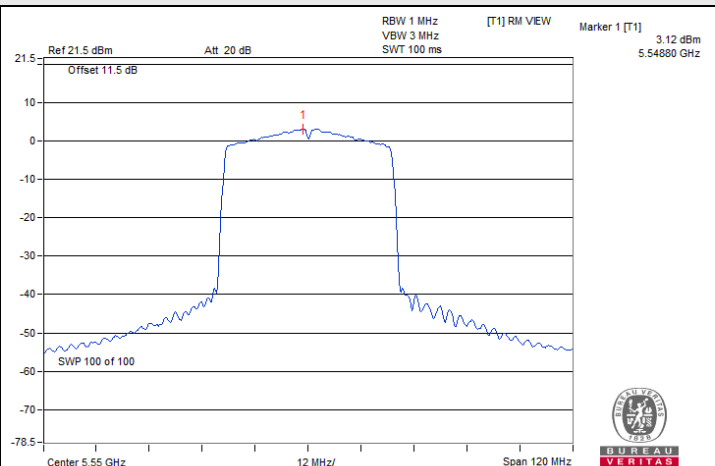
Spectrum Plot of Maximum Value



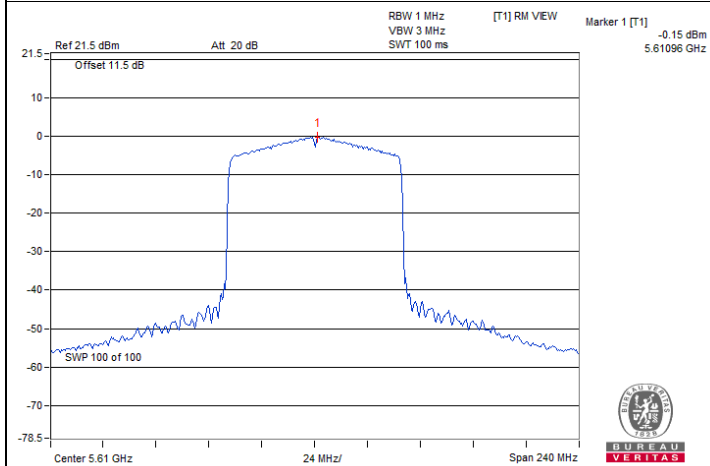
Spectrum Plot of Maximum Value



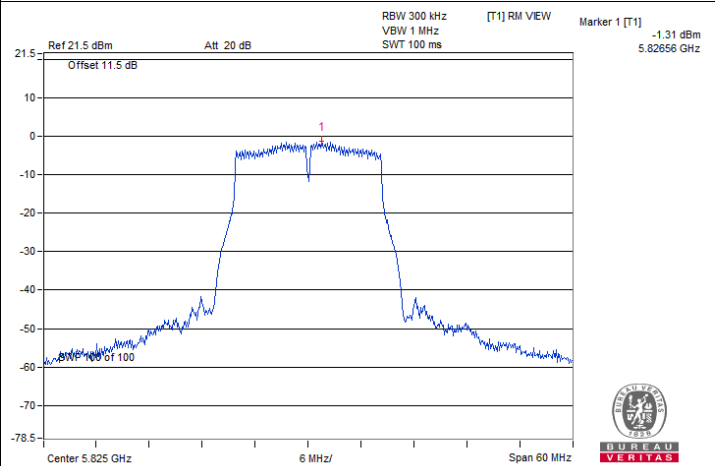
802.11ax (HE20) / Chain 0: CH 140



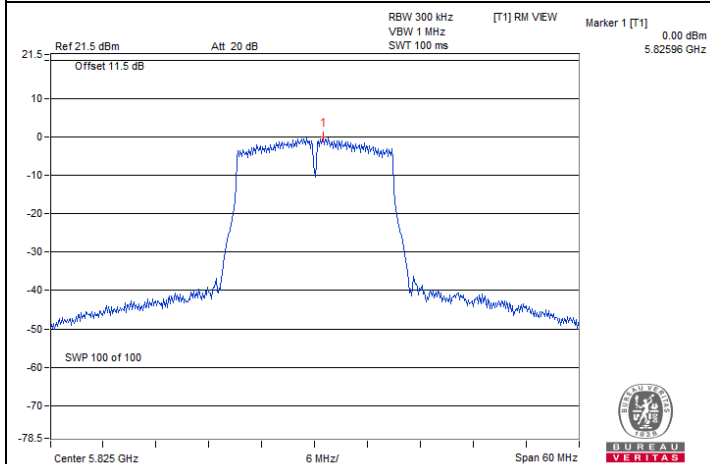
802.11ax (HE40) / Chain 1: CH 110



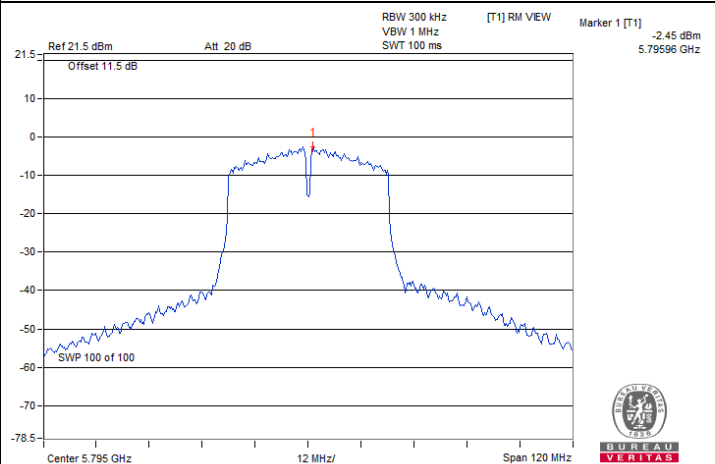
802.11ax (HE80) / Chain 1: CH 122



802.11a / Chain 1: CH 165

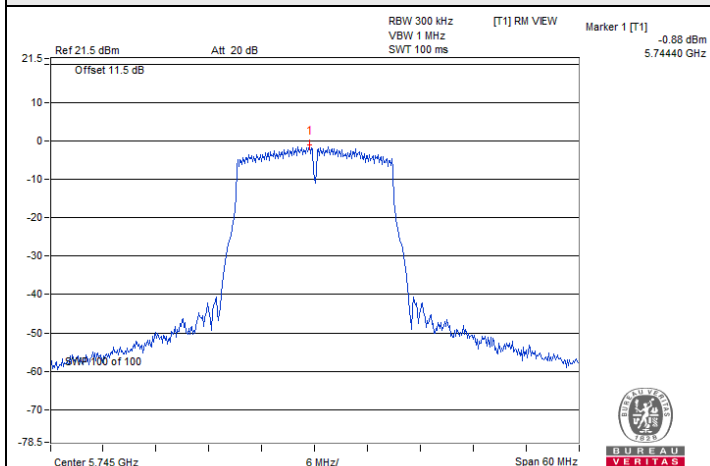


802.11n (HT20) / Chain 1: CH 165

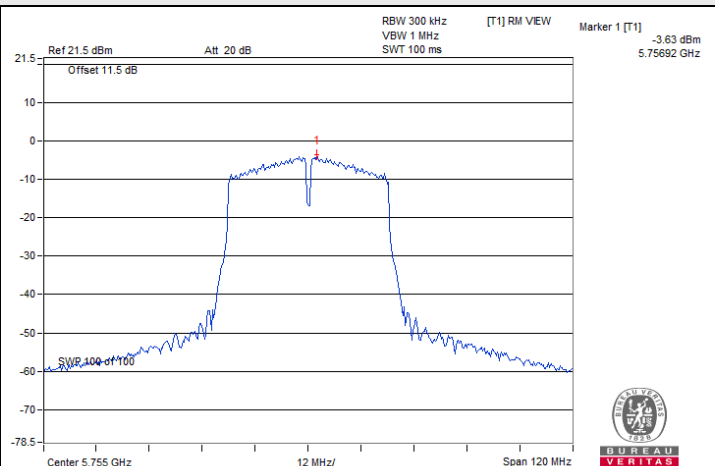


802.11n (HT40) / Chain 1: CH 159

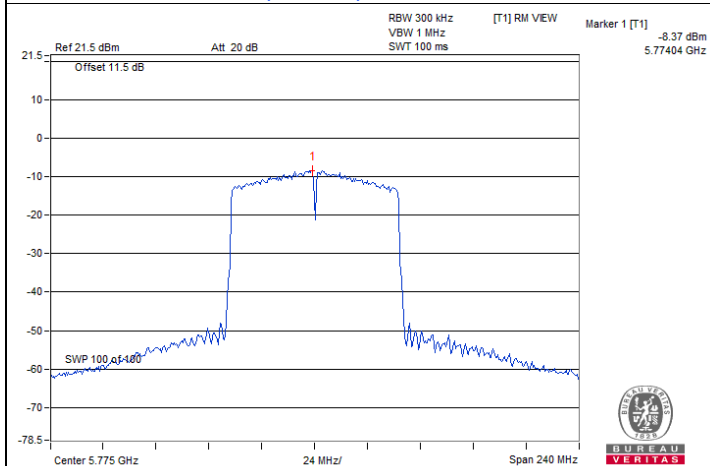
Spectrum Plot of Maximum Value



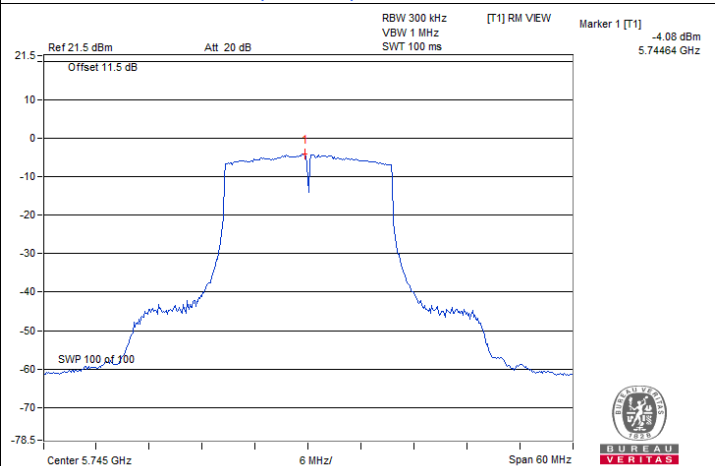
802.11ac (VHT20) / Chain 1: CH 149



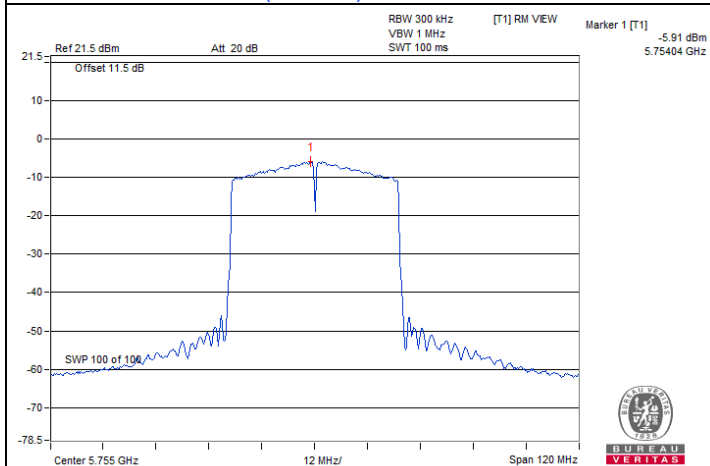
802.11ac (VHT40) / Chain 1: CH 151



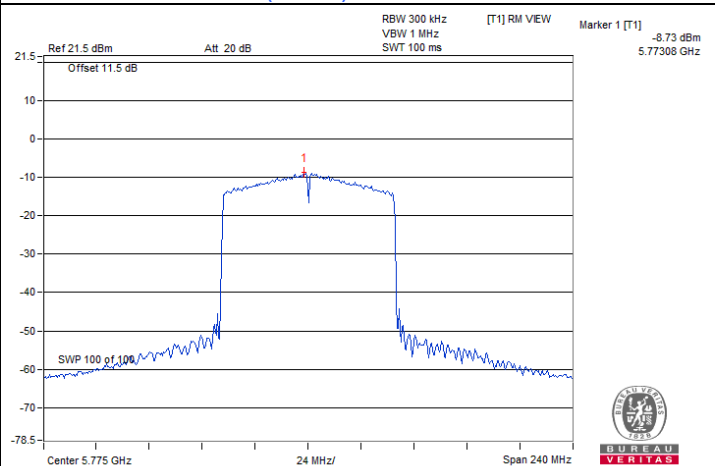
802.11ac (VHT80) / Chain 1: CH 155



802.11ax (HE20) / Chain 1: CH 149



802.11ax (HE40) / Chain 1: CH 151



802.11ax (HE80) / Chain 1: 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		
149	5745	16.33	15.79	0.5	Pass
157	5785	15.85	15.85	0.5	Pass
165	5825	16.35	16.12	0.5	Pass

802.11n (HT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	17.55	17.53	0.5	Pass
157	5785	17.56	15.62	0.5	Pass
165	5825	17.63	16.94	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	32.87	33.98	0.5	Pass
159	5795	35.17	35.16	0.5	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	17.27	16.13	0.5	Pass
157	5785	17.31	17.31	0.5	Pass
165	5825	17.68	15.27	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	33.96	33.96	0.5	Pass
159	5795	35.20	31.32	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	75.27	75.23	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	18.99	18.97	0.5	Pass
157	5785	18.91	18.90	0.5	Pass
165	5825	18.77	19.02	0.5	Pass

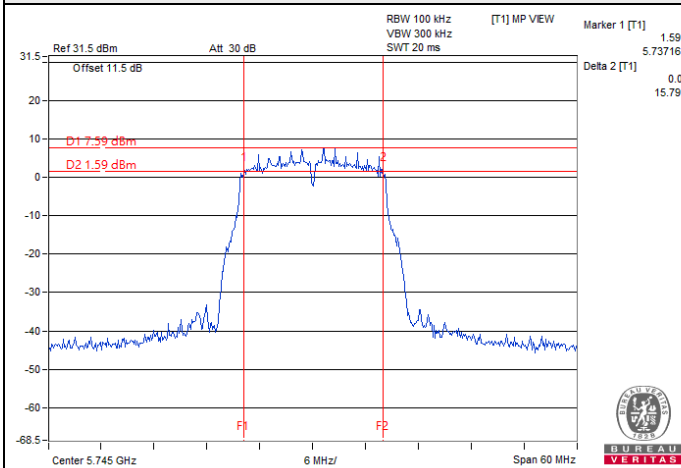
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	33.04	35.34	0.5	Pass
159	5795	35.38	32.90	0.5	Pass

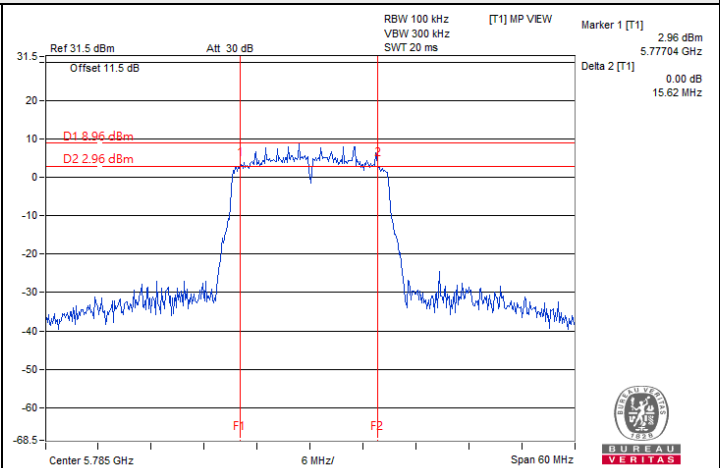
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	75.36	75.50	0.5	Pass

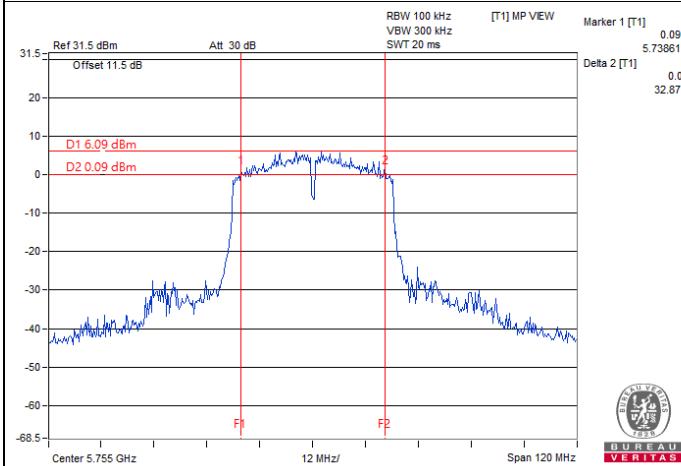
Spectrum Plot of Minimum Value



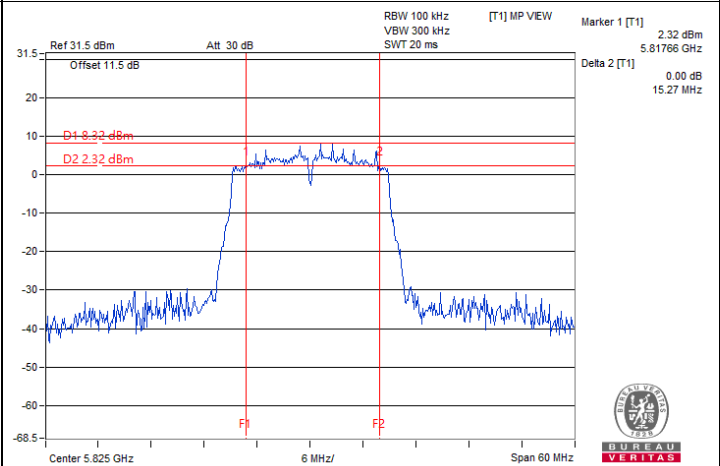
802.11a / Chain 1: CH 149



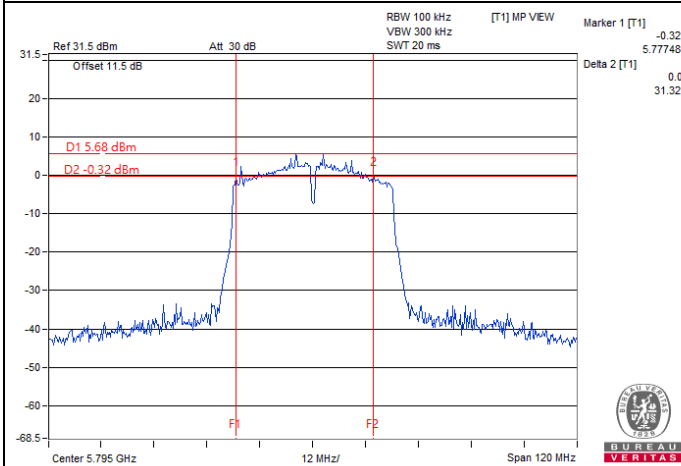
802.11n (HT20) / Chain 1: CH 157



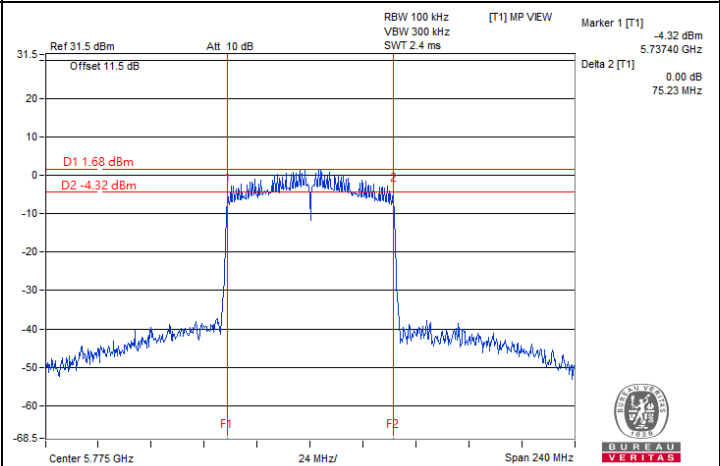
802.11n (HT40) / Chain 0: CH 151



802.11ac (VHT20) / Chain 1: CH 165

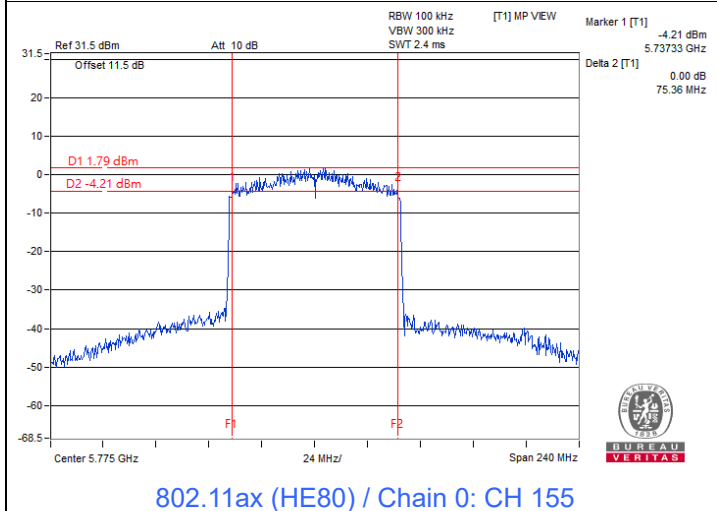
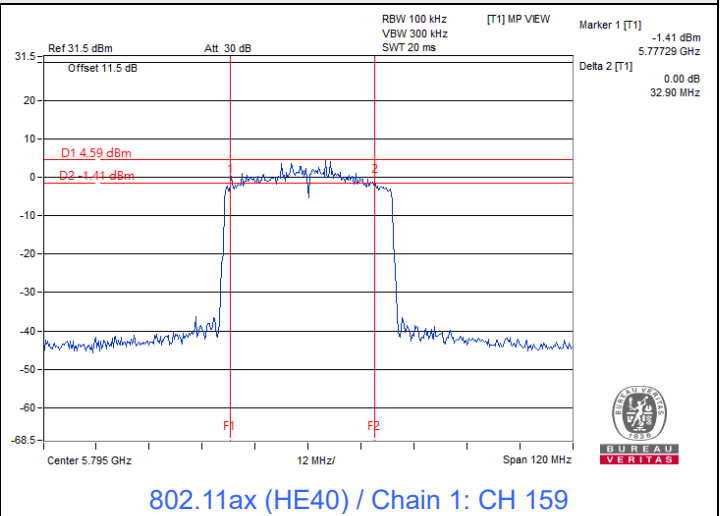
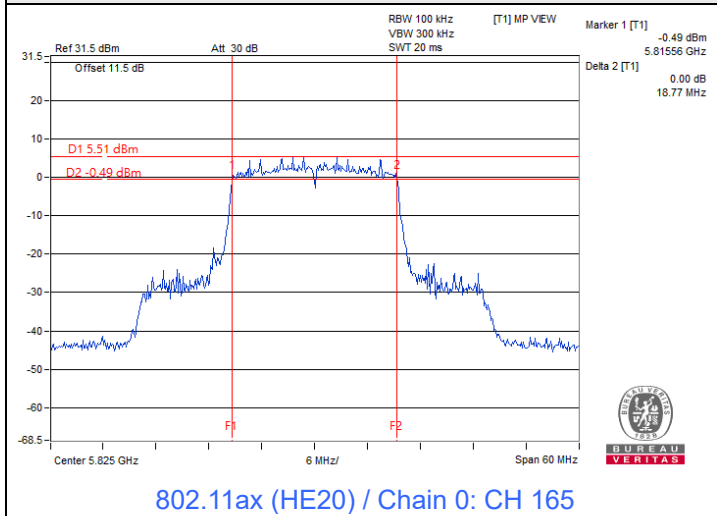


802.11ac (VHT40) / Chain 1: CH 159



802.11ac (VHT80) / Chain 1: CH 155

Spectrum Plot of Minimum Value



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	16.68	16.68
40	5200	16.56	16.56
48	5240	16.56	16.44
52	5260	16.56	16.68
60	5300	16.44	16.56
64	5320	16.68	16.56
100	5500	16.68	16.68
116	5580	16.56	16.68
140	5700	16.56	16.44
149	5745	16.68	16.68
157	5785	16.56	16.68
165	5825	16.68	16.68

802.11n (HT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.76	17.76
40	5200	17.76	17.64
48	5240	17.64	17.76
52	5260	17.76	17.88
60	5300	17.76	17.76
64	5320	17.76	17.76
100	5500	17.64	17.64
116	5580	17.76	17.64
140	5700	17.64	17.64
149	5745	17.64	17.64
157	5785	17.64	17.76
165	5825	17.76	17.88

802.11n (HT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	36.24	35.76
46	5230	36.00	36.24
54	5270	36.24	36.24
62	5310	36.00	36.00
102	5510	36.24	36.24
110	5550	36.24	36.24
134	5670	36.24	36.00
151	5755	36.00	36.24
159	5795	36.00	36.00

802.11ac (VHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.76	17.64
40	5200	17.64	17.76
48	5240	17.76	17.88
52	5260	17.64	17.88
60	5300	17.64	17.88
64	5320	17.64	17.64
100	5500	17.64	17.64
116	5580	17.64	17.64
140	5700	17.64	17.76
149	5745	17.64	17.64
157	5785	17.64	17.64
165	5825	17.64	17.64

802.11ac (VHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	36.00	36.00
46	5230	36.00	36.24
54	5270	36.24	36.00
62	5310	36.00	36.24
102	5510	36.24	36.24
110	5550	36.00	36.24
134	5670	35.76	36.24
151	5755	36.24	36.00
159	5795	36.24	36.00

802.11ac (VHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	75.36	75.36
58	5290	74.88	75.36
106	5530	74.88	74.88
122	5610	75.36	75.84
155	5775	74.88	75.36

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.08	19.08
40	5200	18.96	19.20
48	5240	18.96	18.84
52	5260	19.08	19.08
60	5300	19.08	19.08
64	5320	19.08	18.96
100	5500	19.08	19.08
116	5580	19.08	19.08
140	5700	18.96	19.08
149	5745	19.08	19.08
157	5785	19.08	19.20
165	5825	19.08	18.96

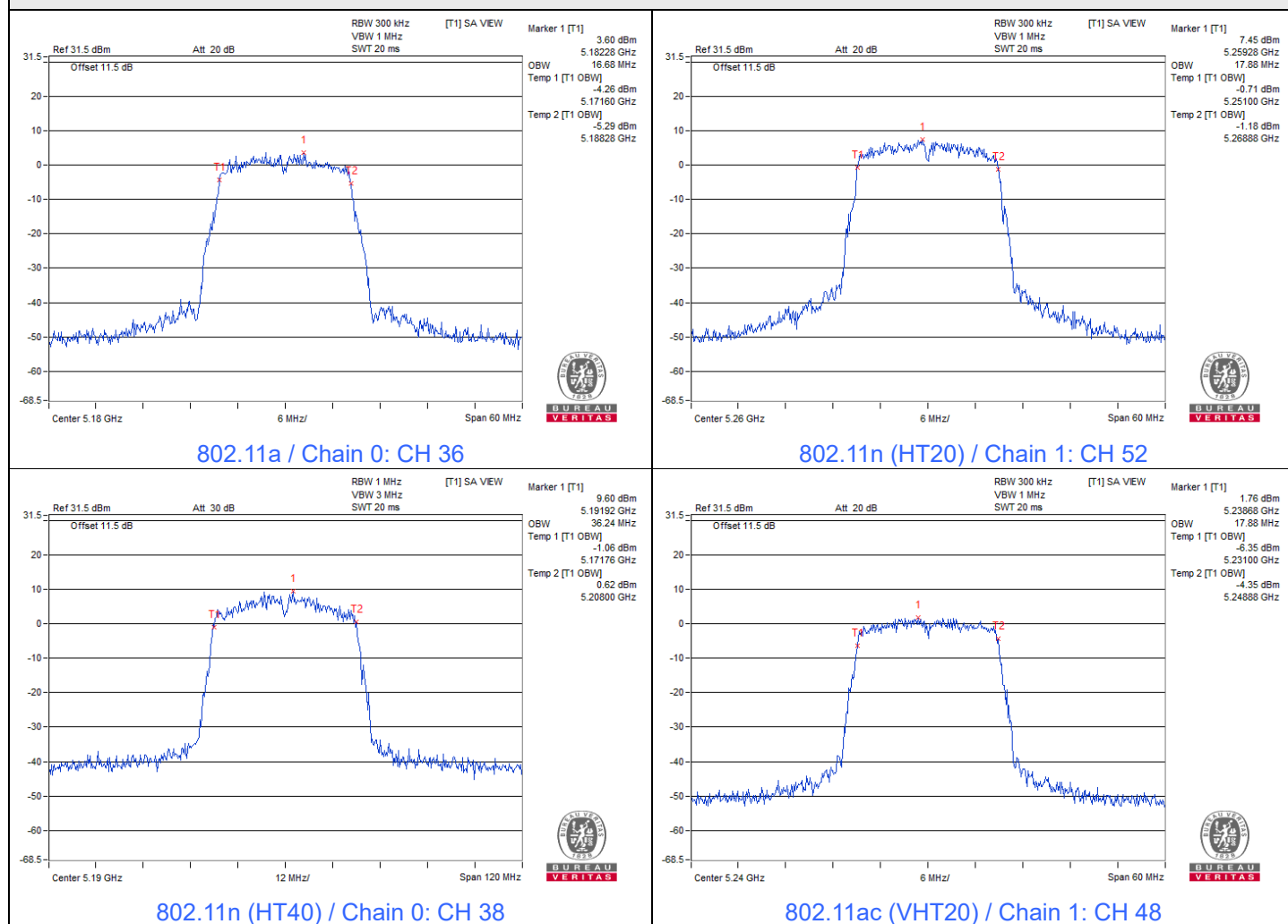
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.68	37.68
54	5270	37.92	37.68
62	5310	37.68	37.92
102	5510	37.68	37.68
110	5550	37.92	37.68
134	5670	37.92	37.68
151	5755	37.68	37.68
159	5795	37.68	37.68

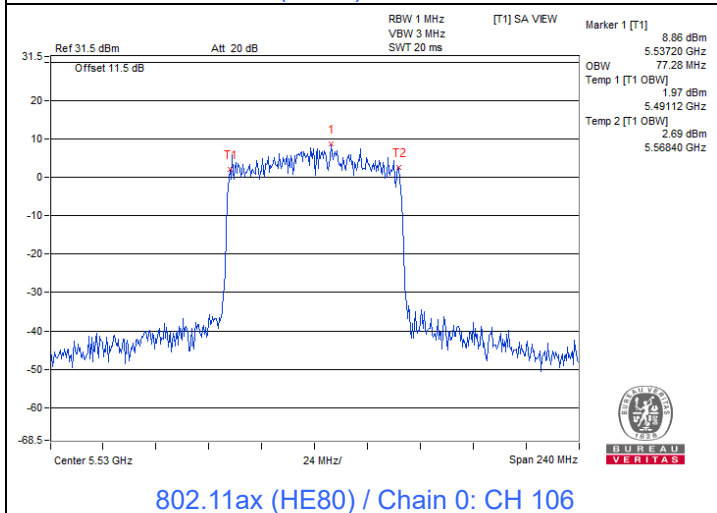
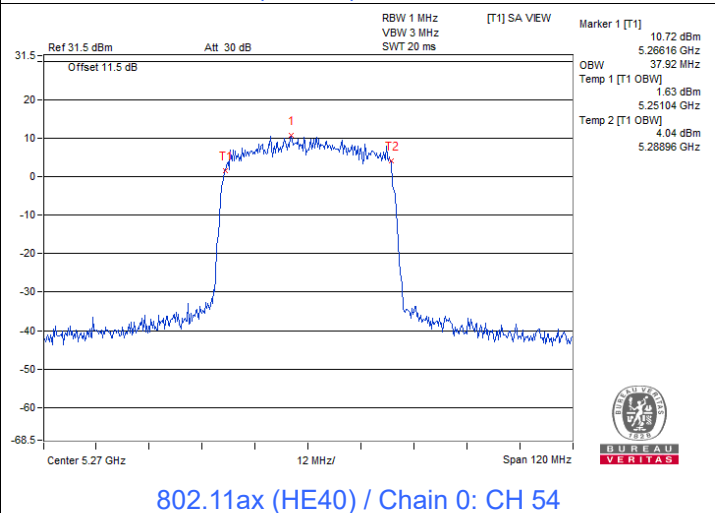
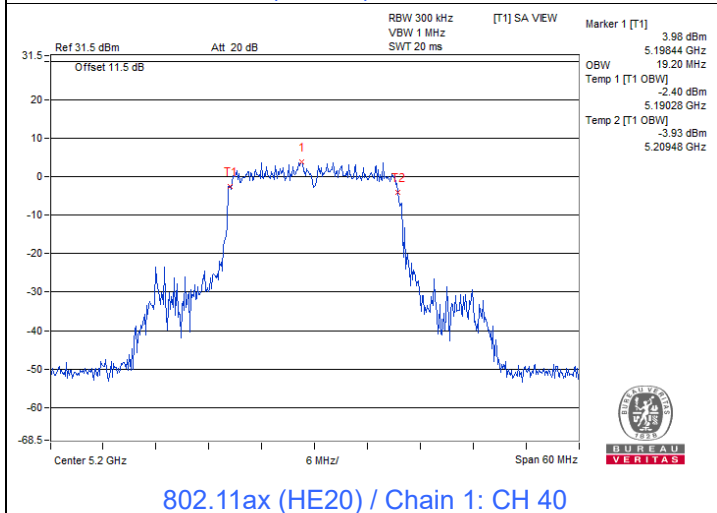
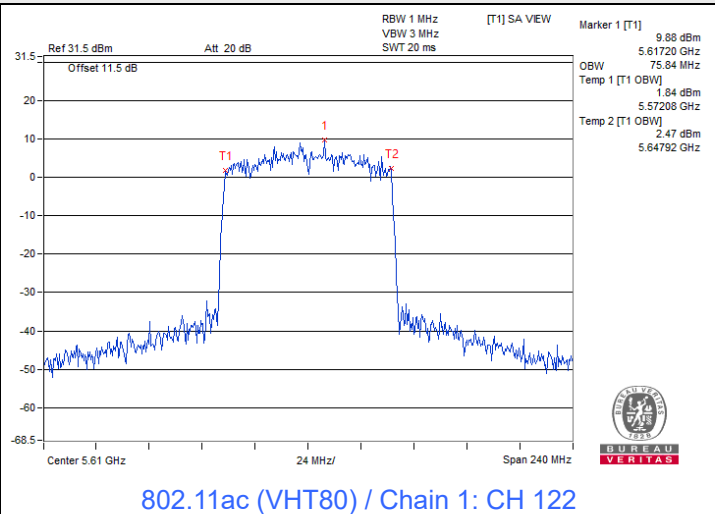
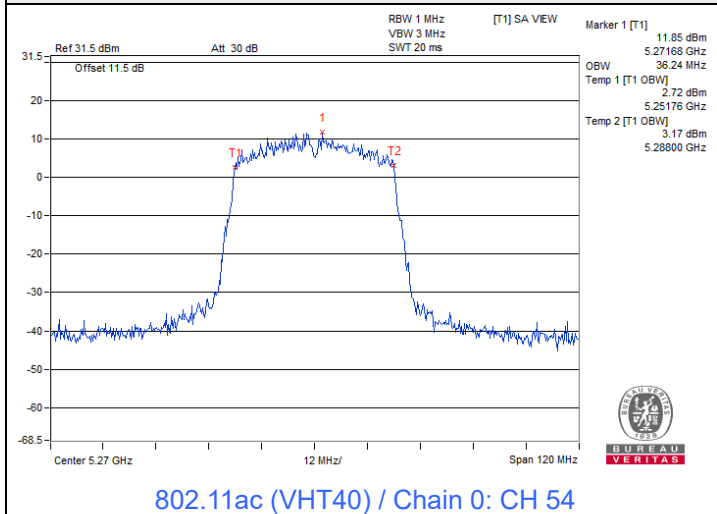
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.80	76.80
58	5290	76.32	76.80
106	5530	77.28	76.80
122	5610	76.80	76.80
155	5775	76.80	76.80

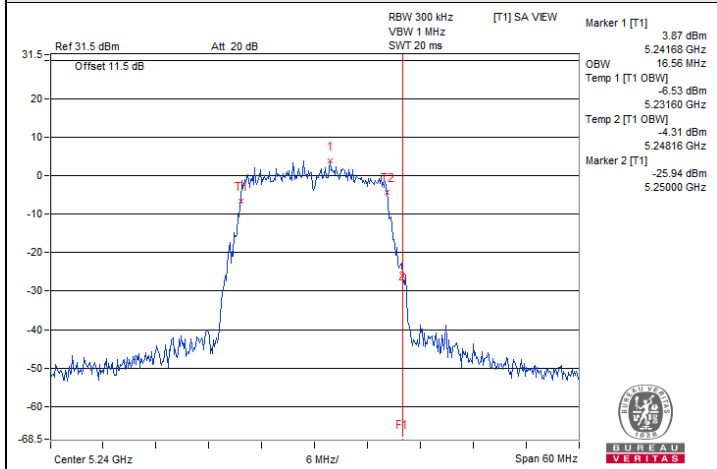
Spectrum Plot of Maximum Value



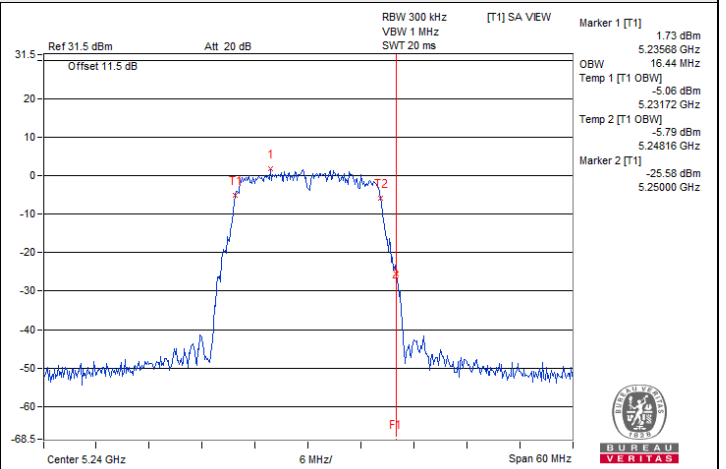
Spectrum Plot of Maximum Value



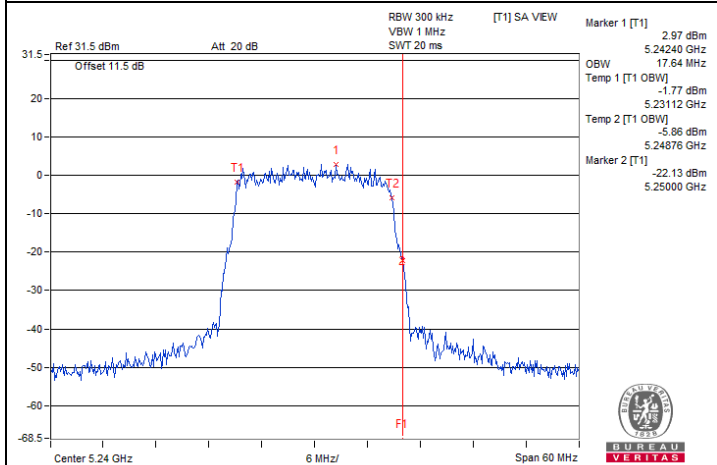
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



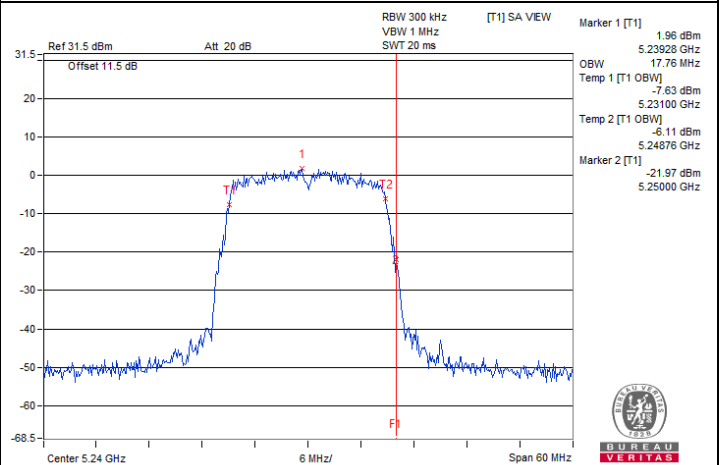
802.11a / Chain 0: CH 48



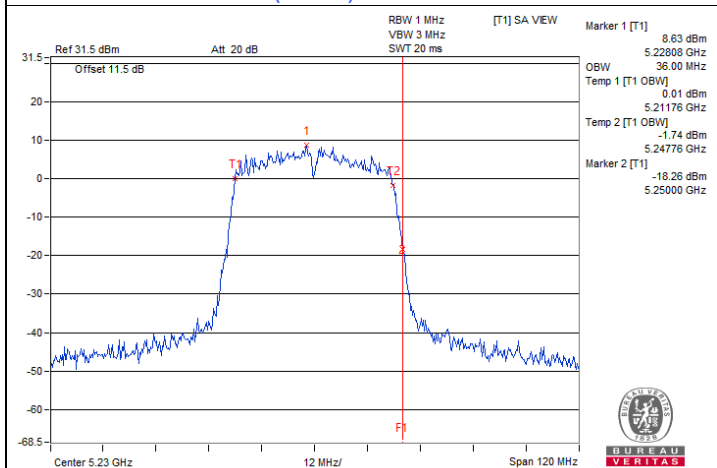
802.11a / Chain 1: CH 48



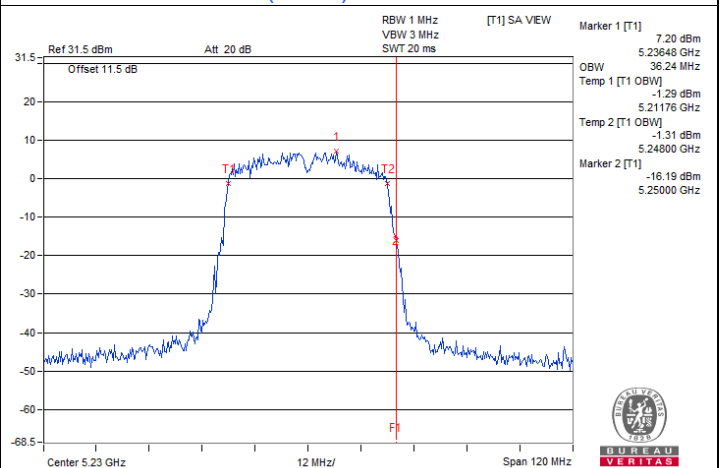
802.11n (HT20) / Chain 0: CH 48



802.11n (HT20) / Chain 1: CH 48

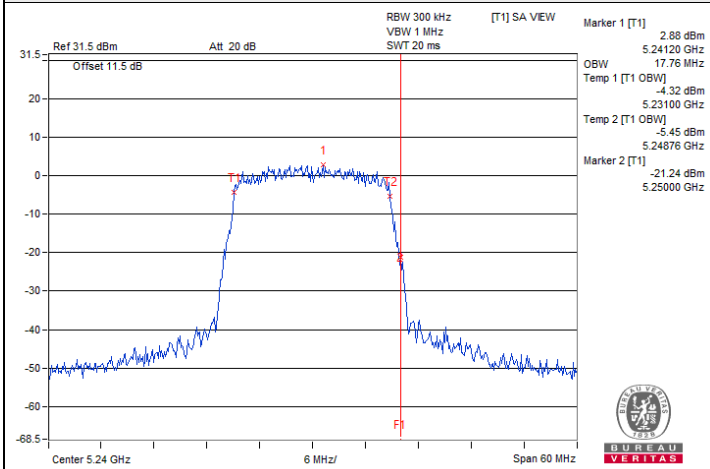


802.11n (HT40) / Chain 0: CH 46

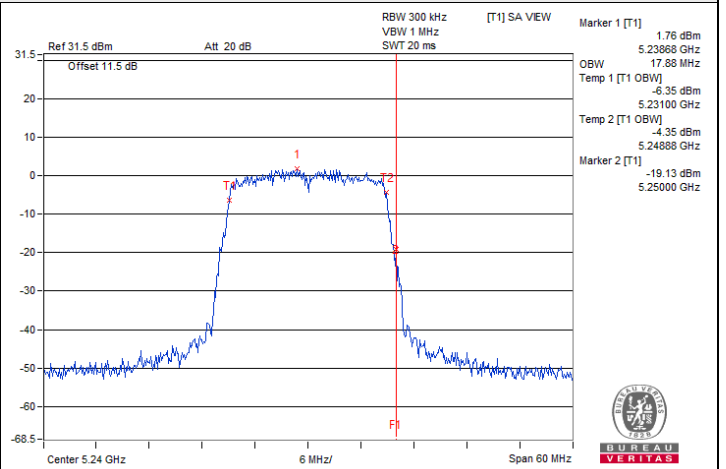


802.11n (HT40) / Chain 1: CH 46

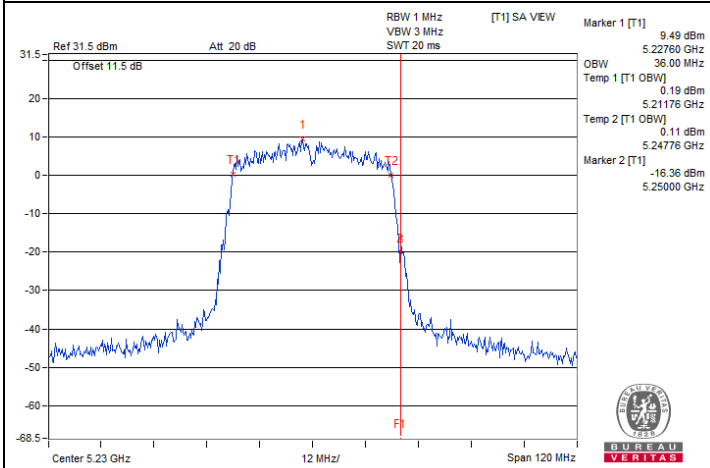
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



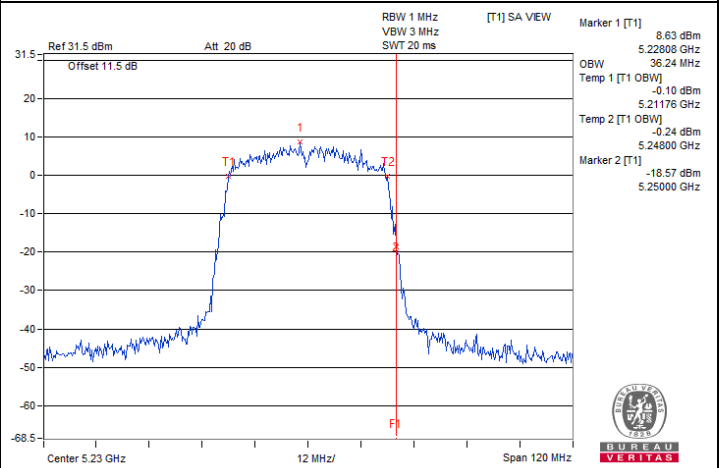
802.11ac (VHT20) / Chain 0: CH 48



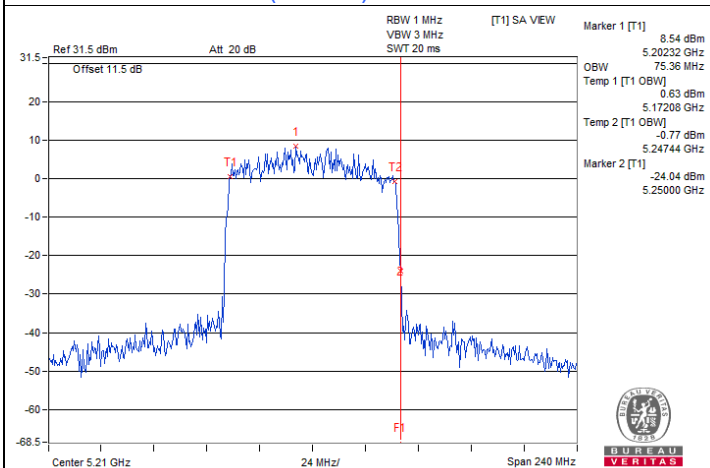
802.11ac (VHT20) / Chain 1: CH 48



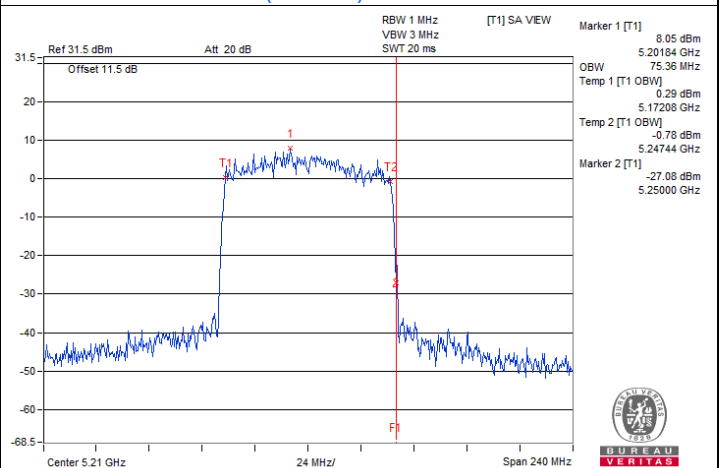
802.11ac (VHT40) / Chain 0: CH 46



802.11ac (VHT40) / Chain 1: CH 46

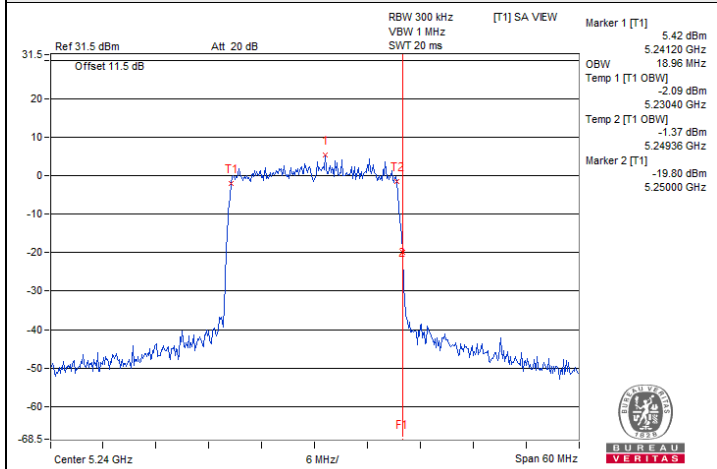


802.11ac (VHT80) / Chain 0: CH 42

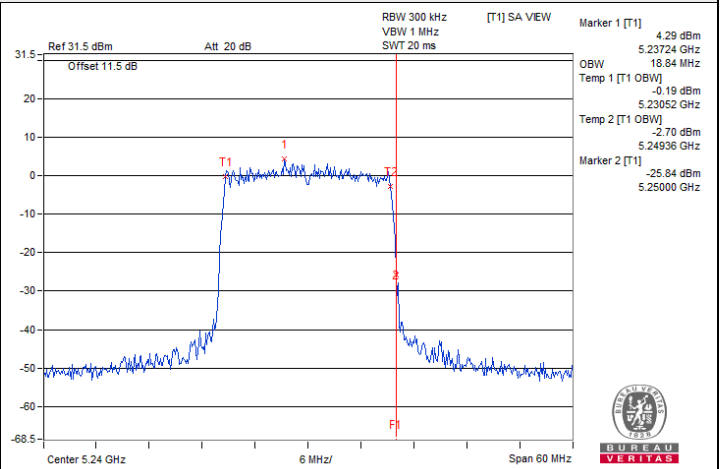


802.11ac (VHT80) / Chain 1: CH 42

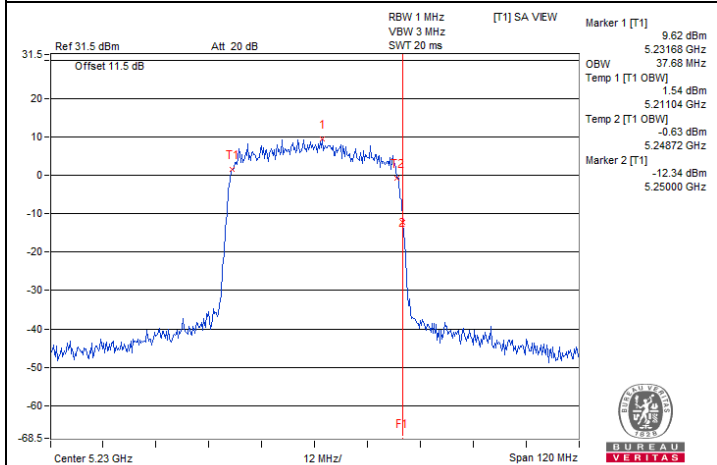
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



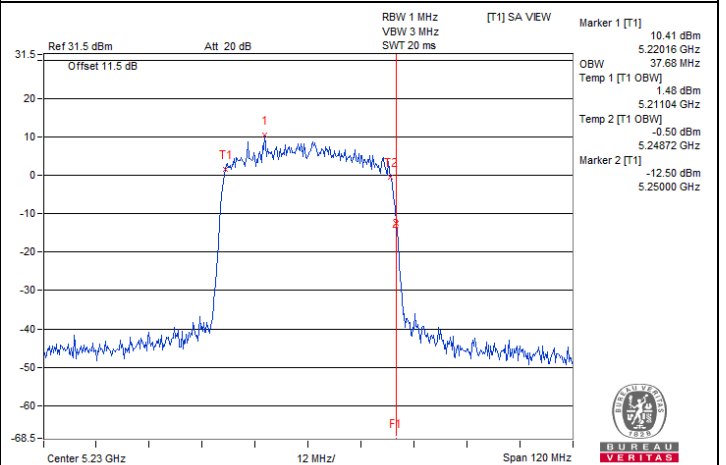
802.11ax (HE20) / Chain 0: CH 48



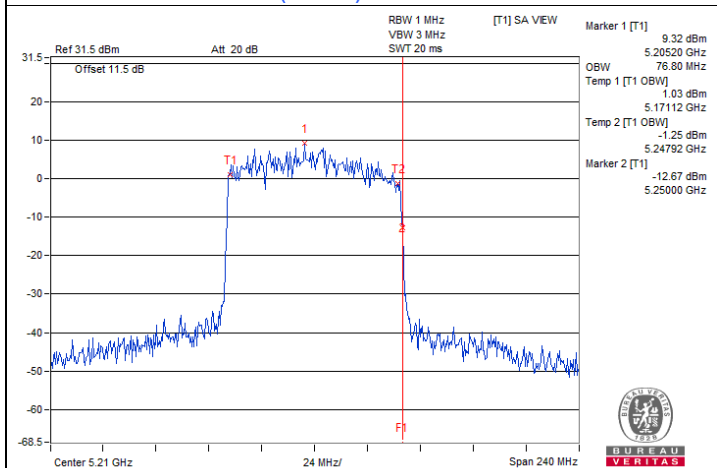
802.11ax (HE20) / Chain 1: CH 48



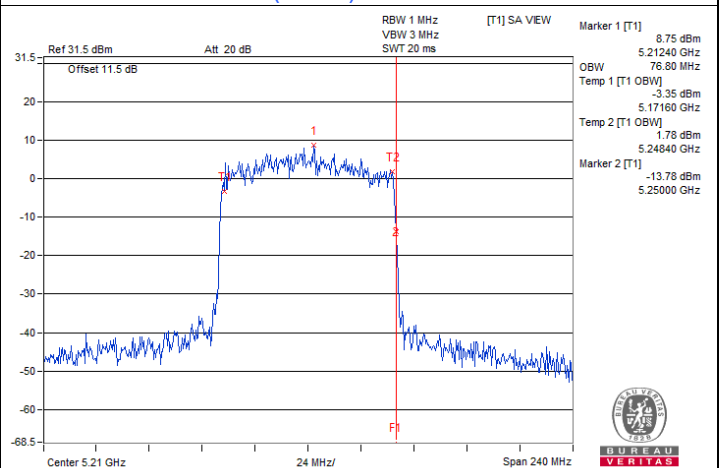
802.11ax (HE40) / Chain 0: CH 46



802.11ax (HE40) / Chain 1: CH 46

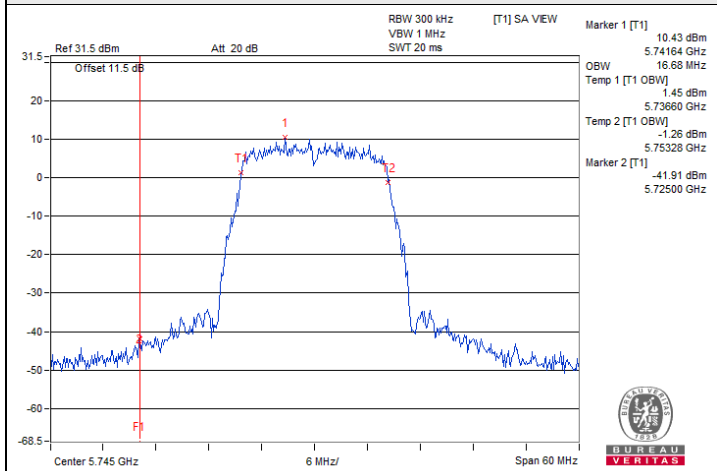


802.11ax (HE80) / Chain 0: CH 42

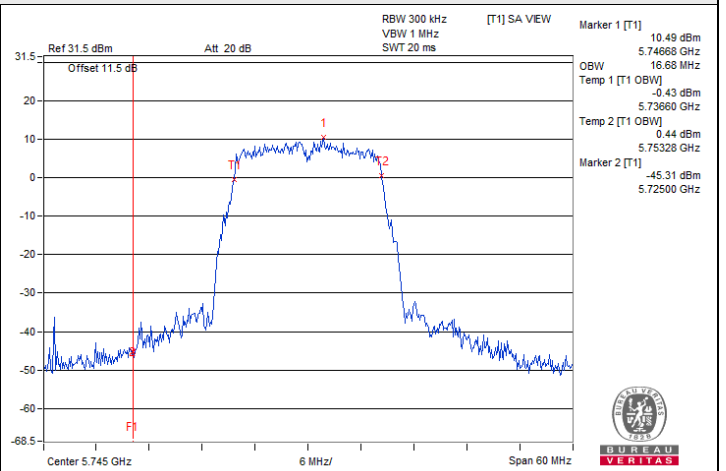


802.11ax (HE80) / Chain 1: CH 42

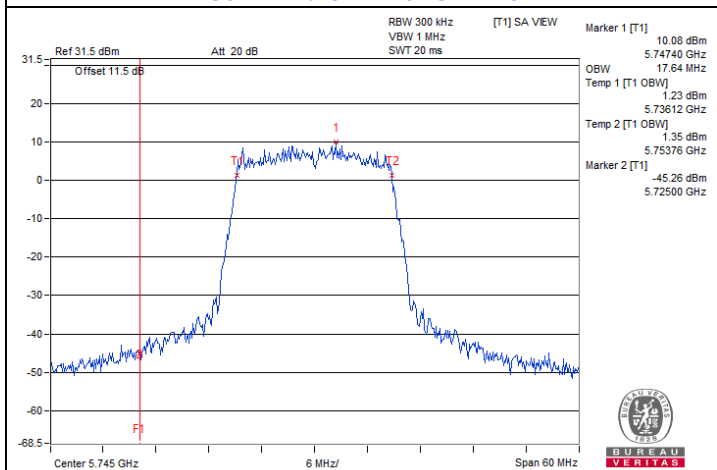
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



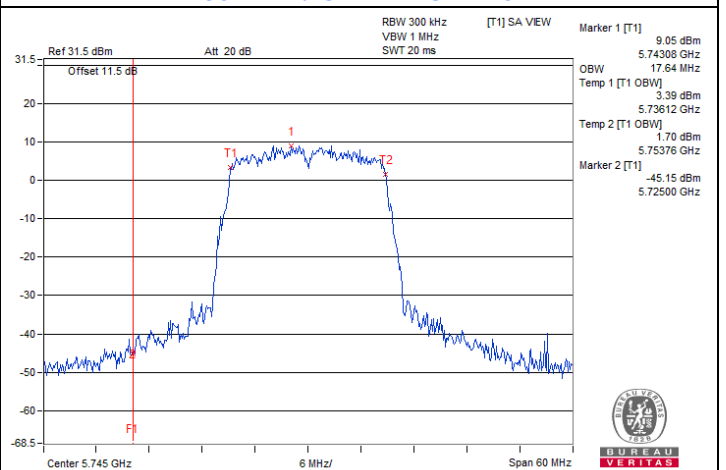
802.11a / Chain 0: CH 149



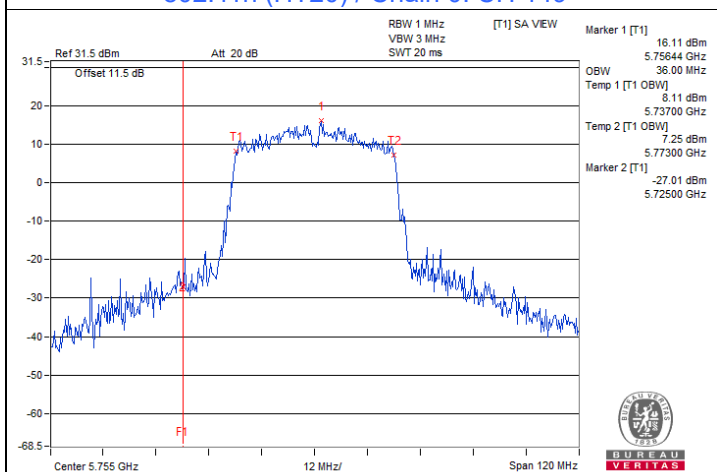
802.11a / Chain 1: CH 149



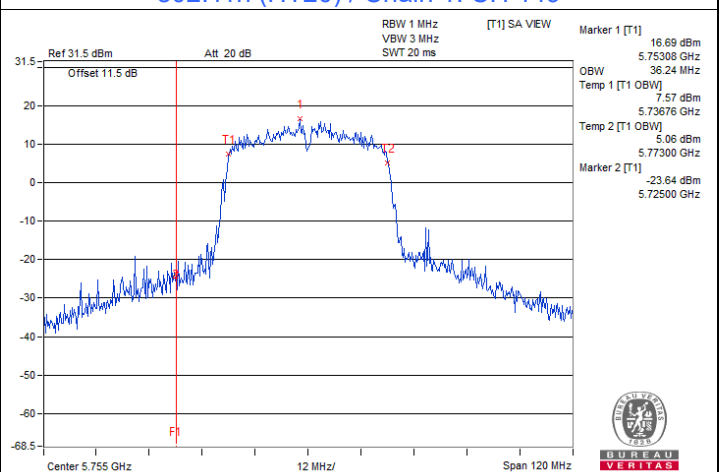
802.11n (HT20) / Chain 0: CH 149



802.11n (HT20) / Chain 1: CH 149

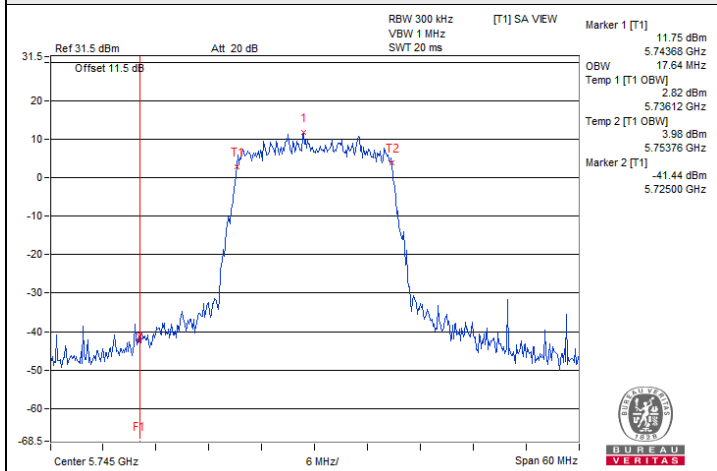


802.11n (HT40) / Chain 0: CH 151

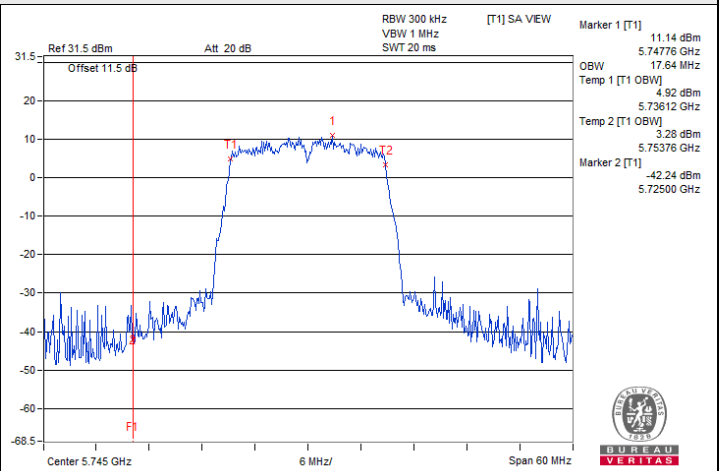


802.11n (HT40) / Chain 1: CH 151

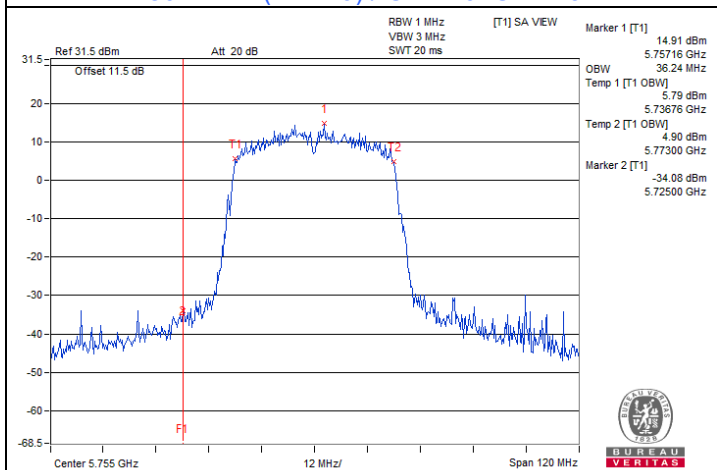
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



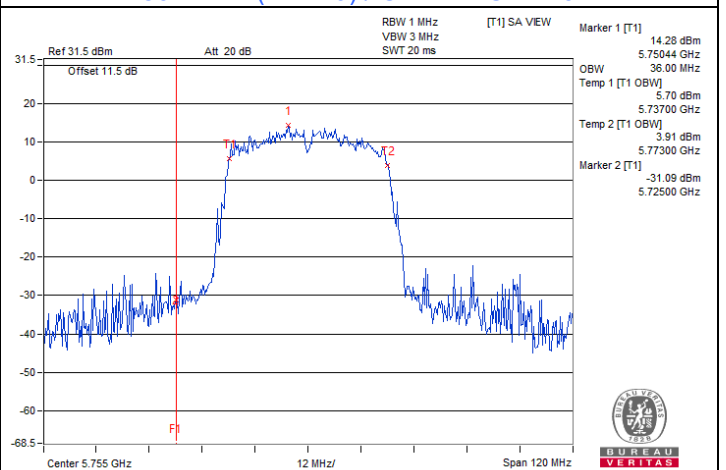
802.11ac (VHT20) / Chain 0: CH 149



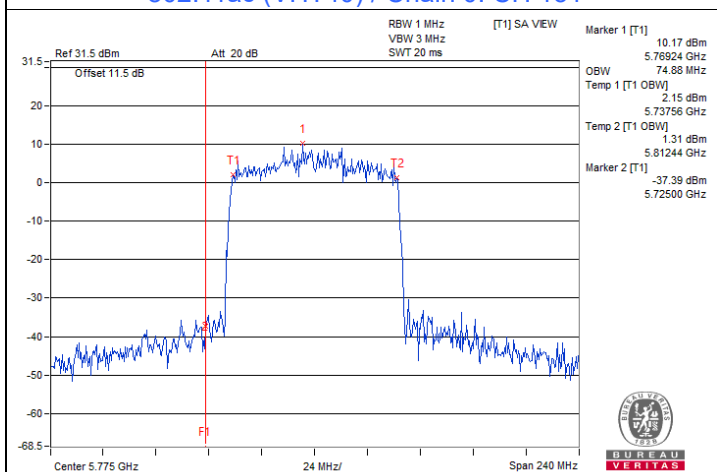
802.11ac (VHT20) / Chain 1: CH 149



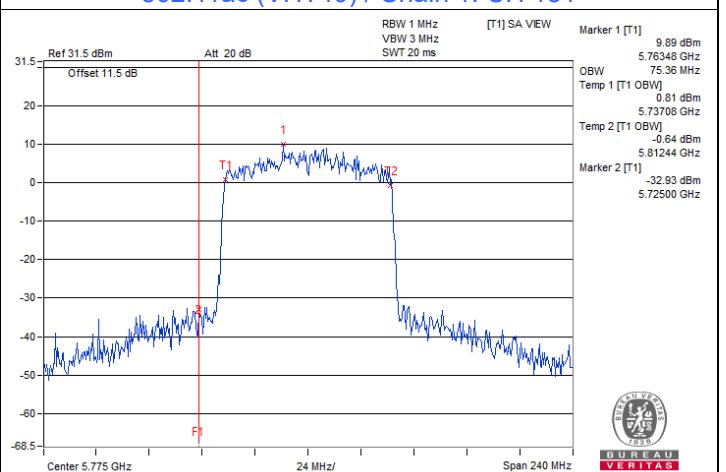
802.11ac (VHT40) / Chain 0: CH 151



802.11ac (VHT40) / Chain 1: CH 151

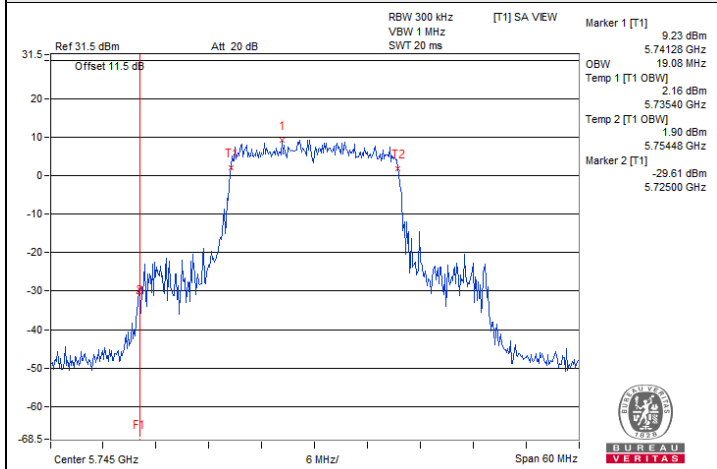


802.11ac (VHT80) / Chain 0: CH 155

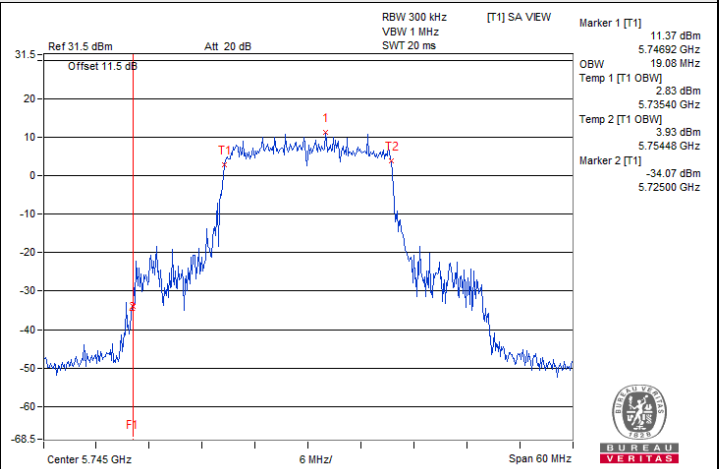


802.11ac (VHT80) / Chain 1: CH 155

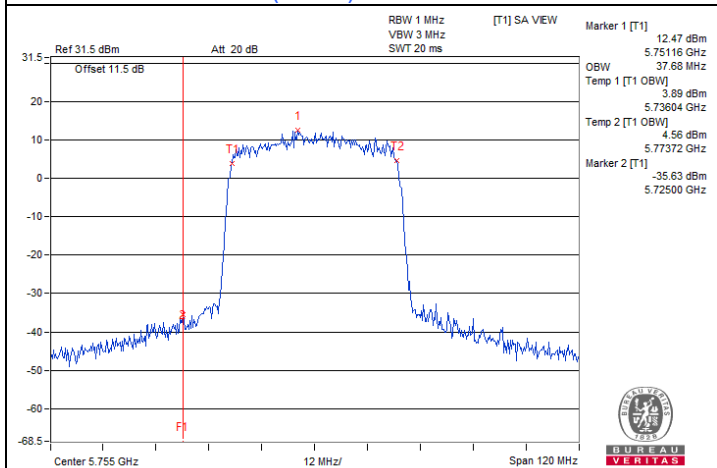
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



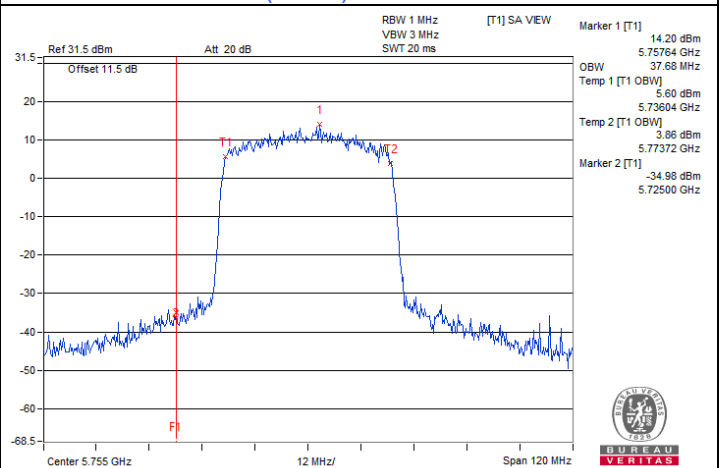
802.11ax (HE20) / Chain 0: CH 149



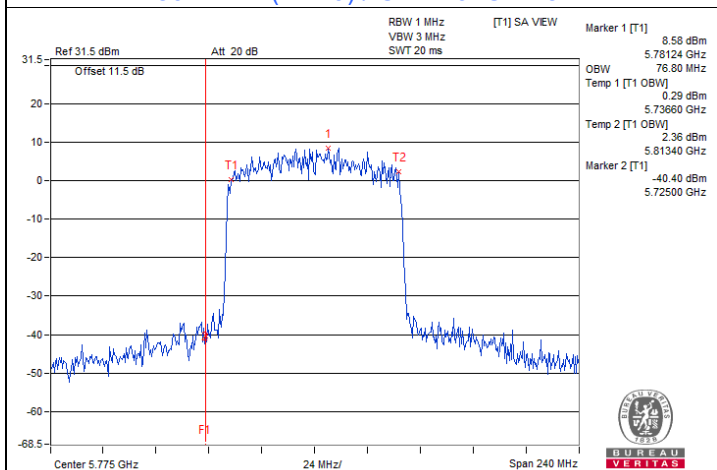
802.11ax (HE20) / Chain 1: CH 149



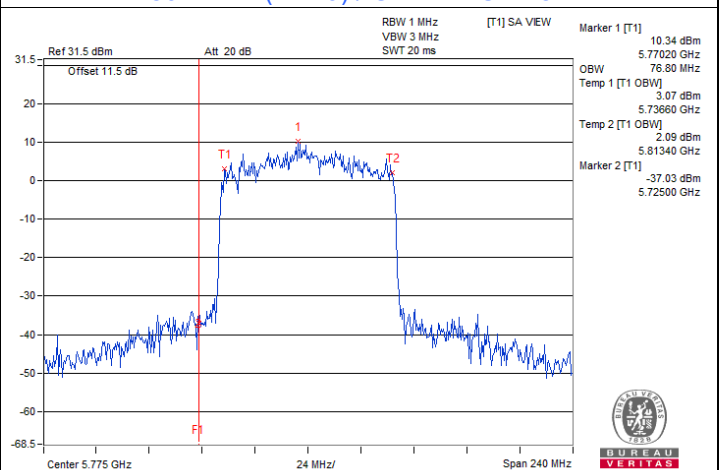
802.11ax (HE40) / Chain 0: CH 151



802.11ax (HE40) / Chain 1: CH 151



802.11ax (HE80) / Chain 0: CH 155



802.11ax (HE80) / Chain 1: CH 155

7.6 AC Power Conducted Emissions

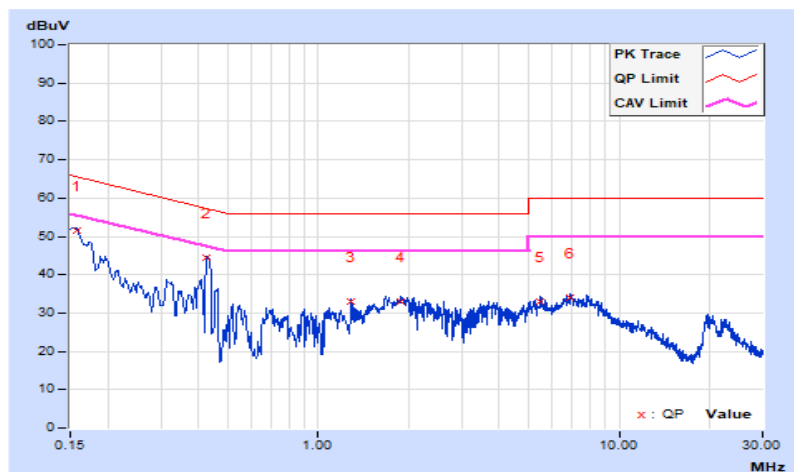
Mode A

RF Mode	802.11n (HT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	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	0.15719	10.11	41.25	20.58	51.36	30.69	65.61	55.61	-14.25	-24.92
2	0.42377	10.23	34.24	20.60	44.47	30.83	57.37	47.37	-12.90	-16.54
3	1.27829	10.35	22.79	9.50	33.14	19.85	56.00	46.00	-22.86	-26.15
4	1.88840	10.40	22.43	15.74	32.83	26.14	56.00	46.00	-23.17	-19.86
5	5.48888	10.56	22.60	14.34	33.16	24.90	60.00	50.00	-26.84	-25.10
6	6.87728	10.62	23.50	14.88	34.12	25.50	60.00	50.00	-25.88	-24.50

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

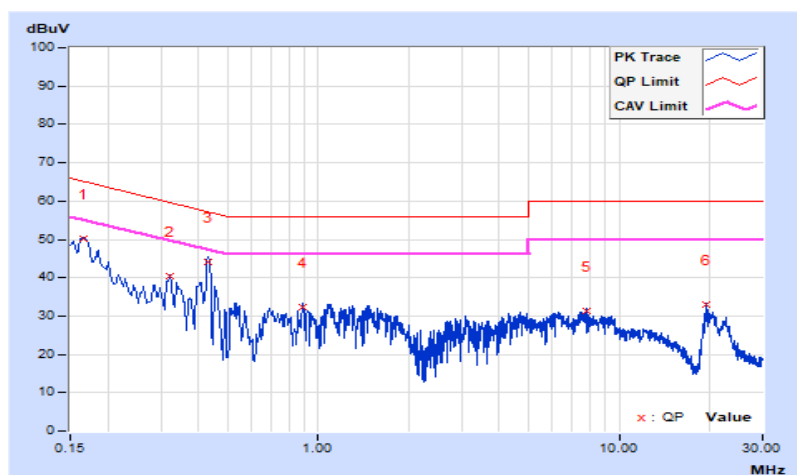


RF Mode	802.11n (HT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

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	0.16526	10.11	40.14	20.31	50.25	30.42	65.20	55.20	-14.95	-24.78
2	0.32188	10.15	30.23	24.01	40.38	34.16	59.66	49.66	-19.28	-15.50
3	0.43123	10.17	34.08	32.64	44.25	42.81	57.23	47.23	-12.98	-4.42
4	0.89110	10.20	22.27	19.82	32.47	30.02	56.00	46.00	-23.53	-15.98
5	7.75334	10.57	20.69	12.19	31.26	22.76	60.00	50.00	-28.74	-27.24
6	19.56456	10.86	22.01	11.22	32.87	22.08	60.00	50.00	-27.13	-27.92

Remarks:

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



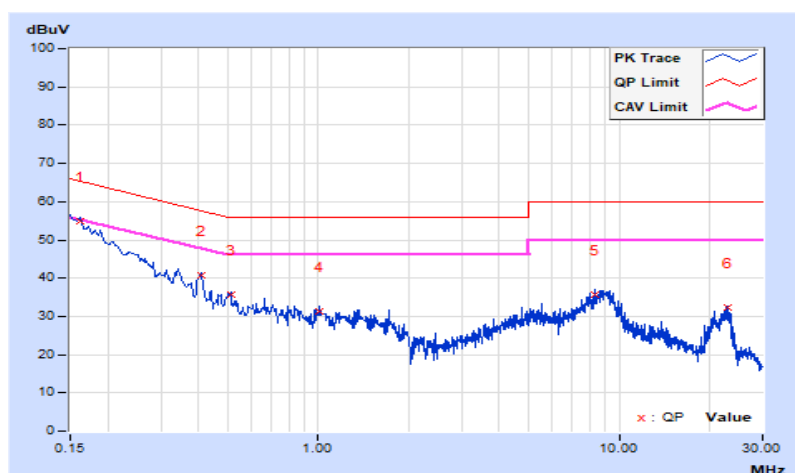
Mode B

RF Mode	802.11n (HT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	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	0.16096	10.12	44.82	28.63	54.94	38.75	65.41	55.41	-10.47	-16.66
2	0.40802	10.23	30.66	25.76	40.89	35.99	57.69	47.69	-16.80	-11.70
3	0.51173	10.25	25.31	19.68	35.56	29.93	56.00	46.00	-20.44	-16.07
4	1.00843	10.33	20.84	16.46	31.17	26.79	56.00	46.00	-24.83	-19.21
5	8.30480	10.69	25.12	19.94	35.81	30.63	60.00	50.00	-24.19	-19.37
6	23.05318	10.94	21.25	14.35	32.19	25.29	60.00	50.00	-27.81	-24.71

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

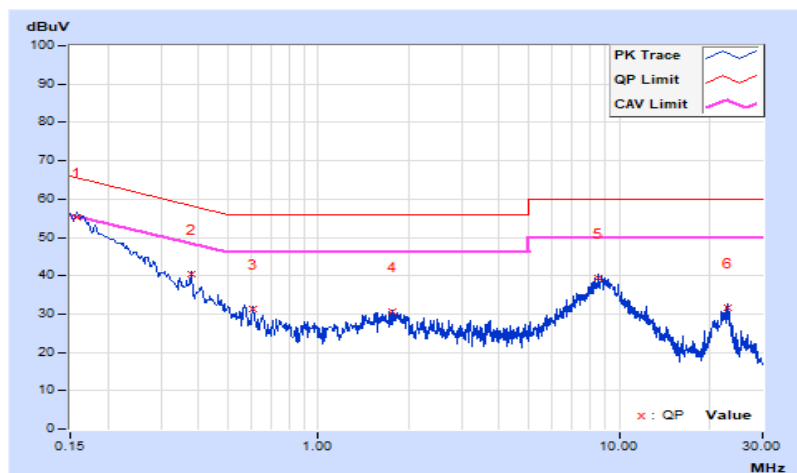


RF Mode	802.11n (HT20)	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

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	0.15760	10.10	44.97	25.73	55.07	35.83	65.59	55.59	-10.52	-19.76
2	0.38075	10.17	30.18	24.53	40.35	34.70	58.26	48.26	-17.91	-13.56
3	0.60560	10.18	21.11	16.61	31.29	26.79	56.00	46.00	-24.71	-19.21
4	1.75543	10.27	20.33	15.29	30.60	25.56	56.00	46.00	-25.40	-20.44
5	8.52772	10.61	28.64	23.96	39.25	34.57	60.00	50.00	-20.75	-15.43
6	22.85763	10.86	20.81	11.28	31.67	22.14	60.00	50.00	-28.33	-27.86

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



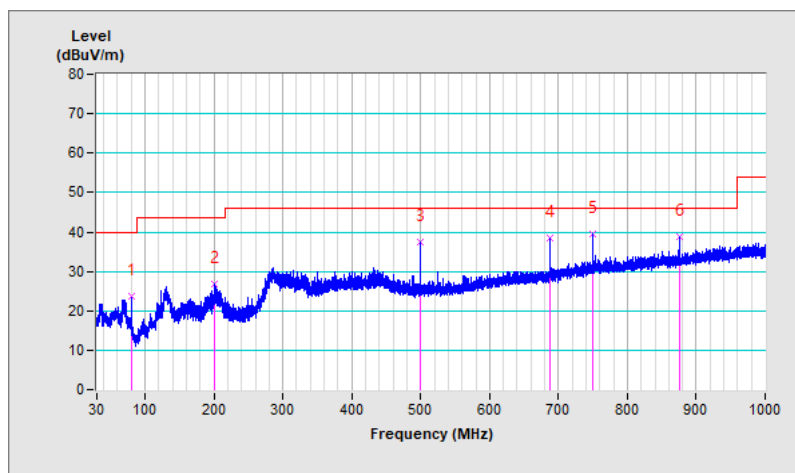
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11n (HT20)	Channel	CH 165 : 5825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 73.8% 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	79.96	23.6 QP	40.0	-16.4	1.47 H	169	36.7	-13.1
2	200.16	26.7 QP	43.5	-16.8	1.24 H	254	37.2	-10.5
3	500.01	37.5 QP	46.0	-8.5	1.64 H	226	38.8	-1.3
4	687.53	38.5 QP	46.0	-7.5	1.89 H	258	35.7	2.8
5	750.01	39.6 QP	46.0	-6.4	1.38 H	126	34.9	4.7
6	875.05	38.9 QP	46.0	-7.1	1.14 H	149	32.2	6.7

Remarks:

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

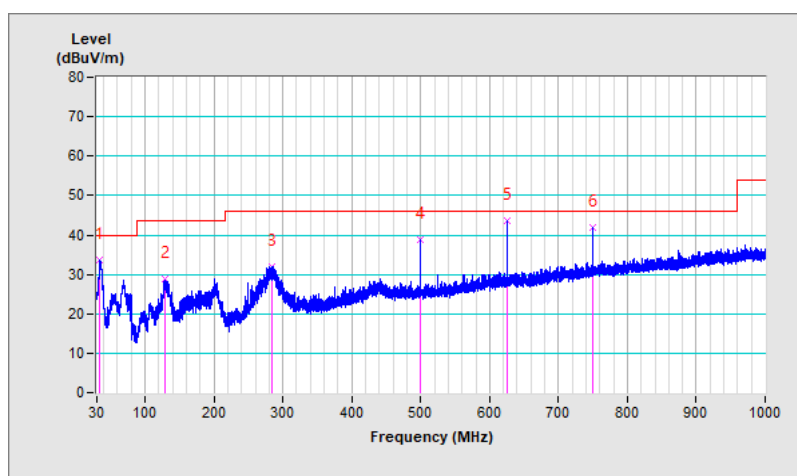


RF Mode	802.11n (HT20)	Channel	CH 165 : 5825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 73.8% RH
Tested By	Jed Wu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.66	33.7 QP	40.0	-6.3	1.98 V	92	43.9	-10.2
2	129.14	28.7 QP	43.5	-14.8	1.73 V	192	38.3	-9.6
3	283.58	32.0 QP	46.0	-14.0	1.52 V	179	38.1	-6.1
4	500.01	38.7 QP	46.0	-7.3	1.36 V	95	40.0	-1.3
5	624.96	43.6 QP	46.0	-2.4	1.14 V	112	41.6	2.0
6	750.01	41.9 QP	46.0	-4.1	1.83 V	229	37.2	4.7

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8% 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	58.5 PK	74.0	-15.5	3.98 H	10	50.9	7.6
2	5150.00	46.6 AV	54.0	-7.4	3.98 H	10	39.0	7.6
3	*5180.00	108.5 PK			3.98 H	10	100.7	7.8
4	*5180.00	100.2 AV			3.98 H	10	92.4	7.8
5	#10360.00	54.5 PK	68.2	-13.7	1.42 H	13	37.9	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	3.13 V	288	50.5	7.6
2	5150.00	46.2 AV	54.0	-7.8	3.13 V	288	38.6	7.6
3	*5180.00	107.3 PK			3.13 V	288	99.5	7.8
4	*5180.00	99.0 AV			3.13 V	288	91.2	7.8
5	#10360.00	61.3 PK	68.2	-6.9	3.00 V	210	44.7	16.6

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8% 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	107.4 PK			3.97 H	358	99.6	7.8
2	*5200.00	99.1 AV			3.97 H	358	91.3	7.8
3	#10400.00	53.4 PK	68.2	-14.8	1.41 H	1	36.8	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	106.2 PK			3.12 V	276	98.4	7.8
2	*5200.00	97.9 AV			3.12 V	276	90.1	7.8
3	#10400.00	60.2 PK	68.2	-8.0	2.99 V	198	43.6	16.6

Remarks:

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

RF Mode	802.11a	Channel	CH 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, 71.8% 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	108.4 PK			3.60 H	6	100.0	8.4
2	*5240.00	100.1 AV			3.60 H	6	91.7	8.4
3	5350.00	58.0 PK	74.0	-16.0	3.60 H	6	49.2	8.8
4	5350.00	46.7 AV	54.0	-7.3	3.60 H	6	37.9	8.8
5	#10480.00	54.4 PK	68.2	-13.8	1.04 H	9	37.4	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	*5240.00	107.2 PK			2.75 V	284	98.8	8.4
2	*5240.00	98.9 AV			2.75 V	284	90.5	8.4
3	5350.00	57.6 PK	74.0	-16.4	2.75 V	284	48.8	8.8
4	5350.00	46.3 AV	54.0	-7.7	2.75 V	284	37.5	8.8
5	#10480.00	61.2 PK	68.2	-7.0	2.62 V	206	44.2	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 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, 71.8% 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	58.8 PK	74.0	-15.2	3.84 H	5	51.2	7.6
2	5150.00	46.9 AV	54.0	-7.1	3.84 H	5	39.3	7.6
3	*5260.00	110.0 PK			3.84 H	5	101.4	8.6
4	*5260.00	101.7 AV			3.84 H	5	93.1	8.6
5	#10520.00	55.0 PK	68.2	-13.2	1.56 H	8	37.9	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	58.4 PK	74.0	-15.6	2.99 V	283	50.8	7.6
2	5150.00	46.5 AV	54.0	-7.5	2.99 V	283	38.9	7.6
3	*5260.00	108.8 PK			2.99 V	283	100.2	8.6
4	*5260.00	100.5 AV			2.99 V	283	91.9	8.6
5	#10520.00	61.8 PK	68.2	-6.4	2.86 V	205	44.7	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	802.11a	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, 71.8% 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	109.6 PK			3.98 H	9	100.8	8.8
2	*5300.00	101.3 AV			3.98 H	9	92.5	8.8
3	10600.00	50.2 PK	74.0	-23.8	2.34 H	346	33.1	17.1
4	10600.00	38.1 AV	54.0	-15.9	2.34 H	346	21.0	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.4 PK			3.13 V	287	99.6	8.8
2	*5300.00	100.1 AV			3.13 V	287	91.3	8.8
3	10600.00	57.0 PK	74.0	-17.0	1.04 V	183	39.9	17.1
4	10600.00	44.9 AV	54.0	-9.1	1.04 V	183	27.8	17.1

Remarks:

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

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, 71.8% 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	109.7 PK			3.52 H	334	100.8	8.9
2	*5320.00	101.4 AV			3.52 H	334	92.5	8.9
3	5350.00	59.1 PK	74.0	-14.9	3.52 H	334	50.3	8.8
4	5350.00	47.3 AV	54.0	-6.7	3.52 H	334	38.5	8.8
5	10640.00	50.3 PK	74.0	-23.7	1.88 H	311	33.3	17.0
6	10640.00	38.2 AV	54.0	-15.8	1.88 H	311	21.2	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	*5320.00	108.5 PK			2.67 V	252	99.6	8.9
2	*5320.00	100.2 AV			2.67 V	252	91.3	8.9
3	5350.00	58.8 PK	74.0	-15.2	2.67 V	252	50.0	8.8
4	5350.00	47.0 AV	54.0	-7.0	2.67 V	252	38.2	8.8
5	10640.00	57.1 PK	74.0	-16.9	1.50 V	148	40.1	17.0
6	10640.00	45.0 AV	54.0	-9.0	1.50 V	148	28.0	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.

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, 71.8% 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	65.9 PK	74.0	-8.1	3.45 H	352	56.5	9.4
2	5460.00	49.8 AV	54.0	-4.2	3.45 H	352	40.4	9.4
3	#5470.00	67.8 PK	68.2	-0.4	3.45 H	352	58.3	9.5
4	*5500.00	114.8 PK			3.45 H	352	105.3	9.5
5	*5500.00	106.9 AV			3.45 H	352	97.4	9.5
6	11000.00	62.5 PK	74.0	-11.5	1.34 H	352	44.2	18.3
7	11000.00	49.9 AV	54.0	-4.1	1.34 H	352	31.6	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	2.60 V	270	53.5	9.4
2	5460.00	49.4 AV	54.0	-4.6	2.60 V	270	40.0	9.4
3	#5470.00	66.3 PK	68.2	-1.9	2.60 V	270	56.8	9.5
4	*5500.00	113.6 PK			2.60 V	270	104.1	9.5
5	*5500.00	105.7 AV			2.60 V	270	96.2	9.5
6	11000.00	66.0 PK	74.0	-8.0	1.27 V	185	47.7	18.3
7	11000.00	52.3 AV	54.0	-1.7	1.27 V	185	34.0	18.3

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8% 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	110.3 PK			3.36 H	8	101.0	9.3
2	*5580.00	102.4 AV			3.36 H	8	93.1	9.3
3	11160.00	62.9 PK	74.0	-11.1	1.25 H	336	43.8	19.1
4	11160.00	50.6 AV	54.0	-3.4	1.25 H	336	31.5	19.1
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	*5580.00	109.1 PK			2.51 V	286	99.8	9.3
2	*5580.00	101.2 AV			2.51 V	286	91.9	9.3
3	11160.00	66.4 PK	74.0	-7.6	3.98 V	157	47.3	19.1
4	11160.00	53.0 AV	54.0	-1.0	3.98 V	157	33.9	19.1

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.

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, 71.8% 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	111.9 PK			3.90 H	344	103.3	8.6
2	*5700.00	103.5 AV			3.90 H	344	94.9	8.6
3	#5725.00	60.8 PK	68.2	-7.4	3.90 H	344	52.0	8.8
4	11400.00	62.1 PK	74.0	-11.9	1.59 H	341	42.9	19.2
5	11400.00	50.8 AV	54.0	-3.2	1.59 H	341	31.6	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.7 PK			3.05 V	262	102.1	8.6
2	*5700.00	102.8 AV			3.05 V	262	94.2	8.6
3	#5725.00	60.3 PK	68.2	-7.9	3.05 V	262	51.5	8.8
4	11400.00	65.6 PK	74.0	-8.4	3.64 V	162	46.4	19.2
5	11400.00	53.2 AV	54.0	-0.8	3.64 V	162	34.0	19.2

Remarks:

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

RF Mode	802.11a	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, 71.8% 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	#5609.20	58.6 PK	68.2	-9.6	3.51 H	5	49.5	9.1
2	*5745.00	113.6 PK			3.51 H	5	104.8	8.8
3	*5745.00	105.2 AV			3.51 H	5	96.4	8.8
4	#5992.80	59.0 PK	68.2	-9.2	3.51 H	5	50.3	8.7
5	11490.00	62.9 PK	74.0	-11.1	1.20 H	320	43.7	19.2
6	11490.00	50.9 AV	54.0	-3.1	1.20 H	320	31.7	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.00	59.3 PK	68.2	-8.9	2.66 V	241	50.2	9.1
2	*5745.00	112.4 PK			2.66 V	241	103.6	8.8
3	*5745.00	104.5 AV			2.66 V	241	95.7	8.8
4	#5933.20	58.4 PK	68.2	-9.8	2.66 V	241	49.8	8.6
5	11490.00	66.4 PK	74.0	-7.6	3.01 V	263	47.2	19.2
6	11490.00	53.3 AV	54.0	-0.7	3.01 V	263	34.1	19.2

Remarks:

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

RF Mode	802.11a	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, 71.8% 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	#5600.40	59.6 PK	68.2	-8.6	3.76 H	2	50.4	9.2
2	*5785.00	114.4 PK			3.76 H	2	105.6	8.8
3	*5785.00	106.0 AV			3.76 H	2	97.2	8.8
4	#5951.60	58.7 PK	68.2	-9.5	3.76 H	2	50.1	8.6
5	11570.00	62.3 PK	74.0	-11.7	1.16 H	318	42.9	19.4
6	11570.00	50.5 AV	54.0	-3.5	1.16 H	318	31.1	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	#5632.00	59.6 PK	68.2	-8.6	2.91 V	238	50.8	8.8
2	*5785.00	113.2 PK			2.91 V	238	104.4	8.8
3	*5785.00	105.3 AV			2.91 V	238	96.5	8.8
4	#5934.80	58.2 PK	68.2	-10.0	2.91 V	238	49.6	8.6
5	11570.00	65.8 PK	74.0	-8.2	3.05 V	261	46.4	19.4
6	11570.00	52.9 AV	54.0	-1.1	3.05 V	261	33.5	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, 71.8% 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	#5612.00	58.8 PK	68.2	-9.4	3.76 H	335	49.7	9.1
2	*5825.00	113.2 PK			3.76 H	335	104.5	8.7
3	*5825.00	105.3 AV			3.76 H	335	96.6	8.7
4	#5986.00	59.3 PK	68.2	-8.9	3.76 H	335	50.6	8.7
5	11650.00	62.7 PK	74.0	-11.3	1.15 H	291	43.2	19.5
6	11650.00	50.4 AV	54.0	-3.6	1.15 H	291	30.9	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	#5612.80	58.9 PK	68.2	-9.3	2.92 V	211	49.8	9.1
2	*5825.00	112.0 PK			2.92 V	211	103.3	8.7
3	*5825.00	104.1 AV			2.92 V	211	95.4	8.7
4	#5989.20	58.9 PK	68.2	-9.3	2.92 V	211	50.2	8.7
5	11650.00	65.4 PK	74.0	-8.6	3.35 V	269	45.9	19.5
6	11650.00	52.8 AV	54.0	-1.2	3.35 V	269	33.3	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	802.11n (HT20)	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, 71.8% 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	59.3 PK	74.0	-14.7	3.97 H	7	51.7	7.6
2	5150.00	47.3 AV	54.0	-6.7	3.97 H	7	39.7	7.6
3	*5180.00	109.4 PK			3.97 H	7	101.6	7.8
4	*5180.00	101.1 AV			3.97 H	7	93.3	7.8
5	#10360.00	55.5 PK	68.2	-12.7	1.80 H	18	38.9	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	3.14 V	285	51.3	7.6
2	5150.00	46.9 AV	54.0	-7.1	3.14 V	285	39.3	7.6
3	*5180.00	108.2 PK			3.14 V	285	100.4	7.8
4	*5180.00	99.9 AV			3.14 V	285	92.1	7.8
5	#10360.00	62.3 PK	68.2	-5.9	3.38 V	215	45.7	16.6

Remarks:

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

RF Mode	802.11n (HT20)	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, 71.8% 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	108.8 PK			3.95 H	9	101.0	7.8
2	*5200.00	100.5 AV			3.95 H	9	92.7	7.8
3	#10400.00	52.0 PK	68.2	-16.2	1.78 H	20	35.4	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.3 PK			3.12 V	287	99.5	7.8
2	*5200.00	99.0 AV			3.12 V	287	91.2	7.8
3	#10400.00	58.8 PK	68.2	-9.4	1.77 V	181	42.2	16.6

Remarks:

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

RF Mode	802.11n (HT20)	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, 71.8% 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	108.6 PK			3.66 H	8	100.2	8.4
2	*5240.00	100.3 AV			3.66 H	8	91.9	8.4
3	5350.00	58.9 PK	74.0	-15.1	3.66 H	8	50.1	8.8
4	5350.00	47.5 AV	54.0	-6.5	3.66 H	8	38.7	8.8
5	#10480.00	56.4 PK	68.2	-11.8	1.49 H	19	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	*5240.00	107.4 PK			2.83 V	286	99.0	8.4
2	*5240.00	99.1 AV			2.83 V	286	90.7	8.4
3	5350.00	58.5 PK	74.0	-15.5	2.83 V	286	49.7	8.8
4	5350.00	47.1 AV	54.0	-6.9	2.83 V	286	38.3	8.8
5	#10480.00	63.2 PK	68.2	-5.0	3.85 V	217	46.2	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	802.11n (HT20)	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, 71.8% 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	58.5 PK	74.0	-15.5	3.60 H	331	51.5	7.0
2	5150.00	46.3 AV	54.0	-7.7	3.60 H	331	39.3	7.0
3	*5260.00	109.6 PK			3.60 H	331	101.8	7.8
4	*5260.00	101.3 AV			3.60 H	331	93.5	7.8
5	#10520.00	54.7 PK	68.2	-13.5	1.43 H	342	39.4	15.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	2.76 V	249	51.1	7.0
2	5150.00	45.9 AV	54.0	-8.1	2.76 V	249	38.9	7.0
3	*5260.00	108.4 PK			2.76 V	249	100.6	7.8
4	*5260.00	100.1 AV			2.76 V	249	92.3	7.8
5	#10520.00	61.5 PK	68.2	-6.7	1.18 V	180	46.2	15.3

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	802.11n (HT20)	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, 71.8% 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	109.3 PK			3.97 H	332	101.3	8.0
2	*5300.00	101.0 AV			3.97 H	332	93.0	8.0
3	10600.00	50.9 PK	74.0	-23.1	1.80 H	341	35.3	15.6
4	10600.00	37.9 AV	54.0	-16.1	1.80 H	341	22.3	15.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.1 PK			3.13 V	250	100.1	8.0
2	*5300.00	99.8 AV			3.13 V	250	91.8	8.0
3	10600.00	57.7 PK	74.0	-16.3	1.24 V	183	42.1	15.6
4	10600.00	44.7 AV	54.0	-9.3	1.24 V	183	29.1	15.6

Remarks:

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

RF Mode	802.11n (HT20)	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, 71.8% 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	108.4 PK			3.51 H	335	100.4	8.0
2	*5320.00	100.1 AV			3.51 H	335	92.1	8.0
3	5350.00	58.4 PK	74.0	-15.6	3.51 H	335	50.5	7.9
4	5350.00	46.7 AV	54.0	-7.3	3.51 H	335	38.8	7.9
5	10640.00	50.5 PK	74.0	-23.5	1.87 H	340	35.1	15.4
6	10640.00	38.0 AV	54.0	-16.0	1.87 H	340	22.6	15.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	107.2 PK			2.67 V	253	99.2	8.0
2	*5320.00	98.9 AV			2.67 V	253	90.9	8.0
3	5350.00	58.0 PK	74.0	-16.0	2.67 V	253	50.1	7.9
4	5350.00	46.3 AV	54.0	-7.7	2.67 V	253	38.4	7.9
5	10640.00	57.3 PK	74.0	-16.7	1.31 V	182	41.9	15.4
6	10640.00	44.8 AV	54.0	-9.2	1.31 V	182	29.4	15.4

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	802.11n (HT20)	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, 71.8% 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	59.9 PK	74.0	-14.1	3.38 H	6	50.5	9.4
2	5460.00	47.2 AV	54.0	-6.8	3.38 H	6	37.8	9.4
3	#5470.00	63.1 PK	68.2	-5.1	3.38 H	6	53.6	9.5
4	*5500.00	110.2 PK			3.38 H	6	100.7	9.5
5	*5500.00	102.1 AV			3.38 H	6	92.6	9.5
6	11000.00	62.6 PK	74.0	-11.4	1.53 H	322	44.3	18.3
7	11000.00	50.3 AV	54.0	-3.7	1.53 H	322	32.0	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.6 PK	74.0	-14.4	2.54 V	242	50.2	9.4
2	5460.00	46.9 AV	54.0	-7.1	2.54 V	242	37.5	9.4
3	#5470.00	62.8 PK	68.2	-5.4	2.54 V	242	53.3	9.5
4	*5500.00	109.0 PK			2.54 V	242	99.5	9.5
5	*5500.00	101.1 AV			2.54 V	242	91.6	9.5
6	11000.00	65.3 PK	74.0	-8.7	3.99 V	160	47.0	18.3
7	11000.00	52.9 AV	54.0	-1.1	3.99 V	160	34.6	18.3

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	802.11n (HT20)	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, 71.8% 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	109.5 PK			3.88 H	5	100.2	9.3
2	*5580.00	101.5 AV			3.88 H	5	92.2	9.3
3	11160.00	63.0 PK	74.0	-11.0	1.21 H	329	43.9	19.1
4	11160.00	50.8 AV	54.0	-3.2	1.21 H	329	31.7	19.1
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	*5580.00	108.3 PK			3.04 V	243	99.0	9.3
2	*5580.00	100.5 AV			3.04 V	243	91.2	9.3
3	11160.00	65.7 PK	74.0	-8.3	3.67 V	167	46.6	19.1
4	11160.00	53.4 AV	54.0	-0.6	3.67 V	167	34.3	19.1

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.

RF Mode	802.11n (HT20)	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, 71.8% 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	113.1 PK			3.71 H	7	104.5	8.6
2	*5700.00	105.2 AV			3.71 H	7	96.6	8.6
3	#5725.00	67.7 PK	68.2	-0.5	3.71 H	7	58.9	8.8
4	11400.00	62.2 PK	74.0	-11.8	1.04 H	331	43.0	19.2
5	11400.00	50.2 AV	54.0	-3.8	1.04 H	331	31.0	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.9 PK			2.87 V	245	103.3	8.6
2	*5700.00	104.1 AV			2.87 V	245	95.5	8.6
3	#5725.00	66.7 PK	68.2	-1.5	2.87 V	245	57.9	8.8
4	11400.00	64.9 PK	74.0	-9.1	1.04 V	226	45.7	19.2
5	11400.00	52.8 AV	54.0	-1.2	1.04 V	226	33.6	19.2

Remarks:

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

RF Mode	802.11n (HT20)	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, 71.8% 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	#5616.42	58.8 PK	68.2	-9.4	3.86 H	1	49.8	9.0
2	*5745.00	111.6 PK			3.86 H	1	102.8	8.8
3	*5745.00	103.9 AV			3.86 H	1	95.1	8.8
4	#5991.19	57.9 PK	68.2	-10.3	3.86 H	1	49.2	8.7
5	11490.00	64.0 PK	74.0	-10.0	1.49 H	319	44.8	19.2
6	11490.00	50.9 AV	54.0	-3.1	1.49 H	319	31.7	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.65	59.5 PK	68.2	-8.7	2.72 V	251	50.8	8.7
2	*5745.00	110.4 PK			2.72 V	251	101.6	8.8
3	*5745.00	102.6 AV			2.72 V	251	93.8	8.8
4	#5981.98	58.4 PK	68.2	-9.8	2.72 V	251	49.7	8.7
5	11490.00	66.7 PK	74.0	-7.3	3.95 V	157	47.5	19.2
6	11490.00	53.5 AV	54.0	-0.5	3.95 V	157	34.3	19.2

Remarks:

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

RF Mode	802.11n (HT20)	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, 71.8% 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	#5611.61	59.0 PK	68.2	-9.2	3.43 H	4	49.9	9.1
2	*5785.00	113.9 PK			3.43 H	4	105.1	8.8
3	*5785.00	106.0 AV			3.43 H	4	97.2	8.8
4	#5973.57	58.8 PK	68.2	-9.4	3.43 H	4	50.2	8.6
5	11570.00	64.6 PK	74.0	-9.4	2.44 H	61	45.2	19.4
6	11570.00	51.0 AV	54.0	-3.0	2.44 H	61	31.6	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	#5612.81	58.3 PK	68.2	-9.9	2.29 V	254	49.2	9.1
2	*5785.00	112.7 PK			2.29 V	254	103.9	8.8
3	*5785.00	104.7 AV			2.29 V	254	95.9	8.8
4	#5946.75	58.0 PK	68.2	-10.2	2.29 V	254	49.4	8.6
5	11570.00	67.3 PK	74.0	-6.7	3.00 V	259	47.9	19.4
6	11570.00	53.6 AV	54.0	-0.4	3.00 V	259	34.2	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	802.11n (HT20)	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, 71.8% 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	#5609.61	59.1 PK	68.2	-9.1	3.90 H	341	50.0	9.1
2	*5825.00	114.7 PK			3.90 H	341	106.0	8.7
3	*5825.00	106.1 AV			3.90 H	341	97.4	8.7
4	#5945.15	59.3 PK	68.2	-8.9	3.90 H	341	50.7	8.6
5	11650.00	59.8 PK	74.0	-14.2	3.95 H	19	40.3	19.5
6	11650.00	48.0 AV	54.0	-6.0	3.95 H	19	28.5	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	#5607.61	58.9 PK	68.2	-9.3	3.90 V	332	49.8	9.1
2	*5825.00	113.5 PK			3.90 V	332	104.8	8.7
3	*5825.00	105.3 AV			3.90 V	332	96.6	8.7
4	#5946.35	58.9 PK	68.2	-9.3	3.90 V	332	50.3	8.6
5	11650.00	62.5 PK	74.0	-11.5	1.49 V	217	43.0	19.5
6	11650.00	50.6 AV	54.0	-3.4	1.49 V	217	31.1	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	802.11n (HT40)	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, 71.8% 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	59.3 PK	74.0	-14.7	3.90 H	10	51.7	7.6
2	5150.00	47.4 AV	54.0	-6.6	3.90 H	10	39.8	7.6
3	*5190.00	108.0 PK			3.90 H	10	100.2	7.8
4	*5190.00	99.8 AV			3.90 H	10	92.0	7.8
5	#10380.00	57.1 PK	68.2	-11.1	3.41 H	317	40.4	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	3.02 V	238	51.0	7.6
2	5150.00	46.7 AV	54.0	-7.3	3.02 V	238	39.1	7.6
3	*5190.00	106.8 PK			3.02 V	238	99.0	7.8
4	*5190.00	98.8 AV			3.02 V	238	91.0	7.8
5	#10380.00	59.8 PK	68.2	-8.4	1.47 V	179	43.1	16.7

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	802.11n (HT40)	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, 71.8% 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	107.2 PK			3.30 H	3	98.9	8.3
2	*5230.00	99.0 AV			3.30 H	3	90.7	8.3
3	5350.00	58.4 PK	74.0	-15.6	3.30 H	3	49.6	8.8
4	5350.00	47.0 AV	54.0	-7.0	3.30 H	3	38.2	8.8
5	#10460.00	56.3 PK	68.2	-11.9	2.81 H	310	39.3	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	*5230.00	106.0 PK			2.42 V	231	97.7	8.3
2	*5230.00	98.0 AV			2.42 V	231	89.7	8.3
3	5350.00	58.0 PK	74.0	-16.0	2.42 V	231	49.2	8.8
4	5350.00	46.6 AV	54.0	-7.4	2.42 V	231	37.8	8.8
5	#10460.00	59.0 PK	68.2	-9.2	2.07 V	172	42.0	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	802.11n (HT40)	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, 71.8% 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	58.3 PK	74.0	-15.7	3.82 H	8	50.7	7.6
2	5150.00	46.6 AV	54.0	-7.4	3.82 H	8	39.0	7.6
3	*5270.00	108.0 PK			3.82 H	8	99.4	8.6
4	*5270.00	99.8 AV			3.82 H	8	91.2	8.6
5	#10540.00	57.1 PK	68.2	-11.1	2.29 H	315	40.0	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	2.94 V	236	50.3	7.6
2	5150.00	46.2 AV	54.0	-7.8	2.94 V	236	38.6	7.6
3	*5270.00	106.8 PK			2.94 V	236	98.2	8.6
4	*5270.00	98.8 AV			2.94 V	236	90.2	8.6
5	#10540.00	59.8 PK	68.2	-8.4	2.59 V	177	42.7	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	802.11n (HT40)	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, 71.8% 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	*5310.00	107.8 PK			3.71 H	338	98.9	8.9
2	*5310.00	99.6 AV			3.71 H	338	90.7	8.9
3	5350.00	59.7 PK	74.0	-14.3	3.71 H	338	50.9	8.8
4	5350.00	48.3 AV	54.0	-5.7	3.71 H	338	39.5	8.8
5	10620.00	56.9 PK	74.0	-17.1	2.18 H	285	39.8	17.1
6	10620.00	45.2 AV	54.0	-8.8	2.18 H	285	28.1	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	*5310.00	106.6 PK			2.83 V	206	97.7	8.9
2	*5310.00	98.6 AV			2.83 V	206	89.7	8.9
3	5350.00	59.0 PK	74.0	-15.0	2.83 V	206	50.2	8.8
4	5350.00	47.7 AV	54.0	-6.3	2.83 V	206	38.9	8.8
5	10620.00	59.6 PK	74.0	-14.4	1.47 V	179	42.5	17.1
6	10620.00	47.7 AV	54.0	-6.3	1.47 V	179	30.6	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.

RF Mode	802.11n (HT40)	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, 71.8% 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	64.8 PK	74.0	-9.2	3.84 H	6	55.4	9.4
2	5460.00	50.0 AV	54.0	-4.0	3.84 H	6	40.6	9.4
3	#5470.00	67.2 PK	68.2	-1.0	3.84 H	6	57.7	9.5
4	*5510.00	108.3 PK			3.84 H	6	98.8	9.5
5	*5510.00	100.1 AV			3.84 H	6	90.6	9.5
6	11020.00	58.3 PK	74.0	-15.7	2.31 H	257	39.9	18.4
7	11020.00	46.3 AV	54.0	-7.7	2.31 H	257	27.9	18.4
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	5460.00	63.7 PK	74.0	-10.3	2.96 V	178	54.3	9.4
2	5460.00	48.9 AV	54.0	-5.1	2.96 V	178	39.5	9.4
3	#5470.00	66.2 PK	68.2	-2.0	2.96 V	178	56.7	9.5
4	*5510.00	107.1 PK			2.96 V	178	97.6	9.5
5	*5510.00	99.1 AV			2.96 V	178	89.6	9.5
6	11020.00	61.0 PK	74.0	-13.0	1.16 V	184	42.6	18.4
7	11020.00	48.8 AV	54.0	-5.2	1.16 V	184	30.4	18.4

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	802.11n (HT40)	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, 71.8% 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	110.7 PK			3.72 H	356	101.2	9.5
2	*5550.00	102.5 AV			3.72 H	356	93.0	9.5
3	11100.00	58.8 PK	74.0	-15.2	2.19 H	247	39.9	18.9
4	11100.00	46.8 AV	54.0	-7.2	2.19 H	247	27.9	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	109.6 PK			2.83 V	168	100.1	9.5
2	*5550.00	101.6 AV			2.83 V	168	92.1	9.5
3	11100.00	61.5 PK	74.0	-12.5	1.04 V	174	42.6	18.9
4	11100.00	49.3 AV	54.0	-4.7	1.04 V	174	30.4	18.9

Remarks:

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

RF Mode	802.11n (HT40)	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, 71.8% 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	108.8 PK			3.80 H	354	100.2	8.6
2	*5670.00	100.6 AV			3.80 H	354	92.0	8.6
3	#5725.00	67.1 PK	68.2	-1.1	3.80 H	354	58.3	8.8
4	11340.00	57.9 PK	74.0	-16.1	2.27 H	249	38.9	19.0
5	11340.00	45.9 AV	54.0	-8.1	2.27 H	249	26.9	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	*5670.00	107.7 PK			2.75 V	170	99.1	8.6
2	*5670.00	99.7 AV			2.75 V	170	91.1	8.6
3	#5725.00	66.0 PK	68.2	-2.2	2.75 V	170	57.2	8.8
4	11340.00	60.6 PK	74.0	-13.4	1.12 V	176	41.6	19.0
5	11340.00	48.4 AV	54.0	-5.6	1.12 V	176	29.4	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	802.11n (HT40)	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, 71.8% 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	#5617.20	60.0 PK	68.2	-8.2	3.32 H	4	51.0	9.0
2	*5755.00	111.8 PK			3.32 H	4	102.9	8.9
3	*5755.00	103.6 AV			3.32 H	4	94.7	8.9
4	#5961.60	58.3 PK	68.2	-9.9	3.32 H	4	49.7	8.6
5	11510.00	59.4 PK	74.0	-14.6	1.79 H	239	40.2	19.2
6	11510.00	48.0 AV	54.0	-6.0	1.79 H	239	28.8	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.40	59.2 PK	68.2	-9.0	2.27 V	160	50.5	8.7
2	*5755.00	110.7 PK			2.27 V	160	101.8	8.9
3	*5755.00	102.7 AV			2.27 V	160	93.8	8.9
4	#5967.60	58.2 PK	68.2	-10.0	2.27 V	160	49.6	8.6
5	11510.00	62.1 PK	74.0	-11.9	1.23 V	225	42.9	19.2
6	11510.00	50.5 AV	54.0	-3.5	1.23 V	225	31.3	19.2

Remarks:

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

RF Mode	802.11n (HT40)	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, 71.8% 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	59.3 PK	68.2	-8.9	3.76 H	339	50.6	8.7
2	*5795.00	112.9 PK			3.76 H	339	104.0	8.9
3	*5795.00	104.7 AV			3.76 H	339	95.8	8.9
4	#5941.20	58.5 PK	68.2	-9.7	3.76 H	339	49.9	8.6
5	11590.00	60.5 PK	74.0	-13.5	2.23 H	214	41.1	19.4
6	11590.00	49.1 AV	54.0	-4.9	2.23 H	214	29.7	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	#5611.60	59.3 PK	68.2	-8.9	2.71 V	185	50.2	9.1
2	*5795.00	111.8 PK			2.71 V	185	102.9	8.9
3	*5795.00	103.8 AV			2.71 V	185	94.9	8.9
4	#5984.00	58.9 PK	68.2	-9.3	2.71 V	185	50.2	8.7
5	11590.00	63.2 PK	74.0	-10.8	1.67 V	250	43.8	19.4
6	11590.00	51.6 AV	54.0	-2.4	1.67 V	250	32.2	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	802.11ac (VHT20)	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, 71.8% 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	59.2 PK	74.0	-14.8	3.94 H	11	51.6	7.6
2	5150.00	46.8 AV	54.0	-7.2	3.94 H	11	39.2	7.6
3	*5180.00	108.3 PK			3.94 H	11	100.5	7.8
4	*5180.00	100.0 AV			3.94 H	11	92.2	7.8
5	#10360.00	57.6 PK	68.2	-10.6	2.05 H	246	41.0	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	2.89 V	217	51.2	7.6
2	5150.00	46.4 AV	54.0	-7.6	2.89 V	217	38.8	7.6
3	*5180.00	107.2 PK			2.89 V	217	99.4	7.8
4	*5180.00	99.2 AV			2.89 V	217	91.4	7.8
5	#10360.00	60.3 PK	68.2	-7.9	2.07 V	182	43.7	16.6

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 71.8% 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	108.2 PK			3.71 H	14	100.4	7.8
2	*5200.00	99.9 AV			3.71 H	14	92.1	7.8
3	#10400.00	57.5 PK	68.2	-10.7	1.82 H	249	40.9	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.1 PK			2.66 V	220	99.3	7.8
2	*5200.00	99.1 AV			2.66 V	220	91.3	7.8
3	#10400.00	60.2 PK	68.2	-8.0	1.84 V	185	43.6	16.6

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 71.8% 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	108.3 PK			3.84 H	332	99.9	8.4
2	*5240.00	100.0 AV			3.84 H	332	91.6	8.4
3	5350.00	58.9 PK	74.0	-15.1	3.84 H	332	50.1	8.8
4	5350.00	47.1 AV	54.0	-6.9	3.84 H	332	38.3	8.8
5	#10480.00	57.6 PK	68.2	-10.6	1.95 H	291	40.6	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	*5240.00	107.2 PK			2.79 V	262	98.8	8.4
2	*5240.00	99.2 AV			2.79 V	262	90.8	8.4
3	5350.00	58.5 PK	74.0	-15.5	2.79 V	262	49.7	8.8
4	5350.00	46.7 AV	54.0	-7.3	2.79 V	262	37.9	8.8
5	#10480.00	60.3 PK	68.2	-7.9	1.97 V	227	43.3	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	802.11ac (VHT20)	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, 71.8% 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	59.0 PK	74.0	-15.0	3.99 H	334	51.4	7.6
2	5150.00	46.6 AV	54.0	-7.4	3.99 H	334	39.0	7.6
3	*5260.00	110.1 PK			3.99 H	334	101.5	8.6
4	*5260.00	101.8 AV			3.99 H	334	93.2	8.6
5	#10520.00	58.6 PK	68.2	-9.6	2.10 H	293	41.5	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	58.6 PK	74.0	-15.4	2.94 V	264	51.0	7.6
2	5150.00	46.2 AV	54.0	-7.8	2.94 V	264	38.6	7.6
3	*5260.00	109.0 PK			2.94 V	264	100.4	8.6
4	*5260.00	101.0 AV			2.94 V	264	92.4	8.6
5	#10520.00	61.3 PK	68.2	-6.9	2.16 V	182	44.2	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	802.11ac (VHT20)	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, 71.8% 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	109.7 PK			3.73 H	11	100.9	8.8
2	*5300.00	101.4 AV			3.73 H	11	92.6	8.8
3	10600.00	58.2 PK	74.0	-15.8	1.84 H	320	41.1	17.1
4	10600.00	45.8 AV	54.0	-8.2	1.84 H	320	28.7	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.6 PK			2.68 V	301	99.8	8.8
2	*5300.00	100.6 AV			2.68 V	301	91.8	8.8
3	10600.00	60.9 PK	74.0	-13.1	1.90 V	219	43.8	17.1
4	10600.00	48.5 AV	54.0	-5.5	1.90 V	219	31.4	17.1

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 71.8% 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	109.4 PK			3.72 H	8	100.5	8.9
2	*5320.00	101.1 AV			3.72 H	8	92.2	8.9
3	5350.00	59.0 PK	74.0	-15.0	3.72 H	8	50.2	8.8
4	5350.00	47.6 AV	54.0	-6.4	3.72 H	8	38.8	8.8
5	10640.00	57.9 PK	74.0	-16.1	1.85 H	317	40.9	17.0
6	10640.00	45.5 AV	54.0	-8.5	1.85 H	317	28.5	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	*5320.00	108.3 PK			2.67 V	298	99.4	8.9
2	*5320.00	100.3 AV			2.67 V	298	91.4	8.9
3	5350.00	58.6 PK	74.0	-15.4	2.67 V	298	49.8	8.8
4	5350.00	47.2 AV	54.0	-6.8	2.67 V	298	38.4	8.8
5	10640.00	60.6 PK	74.0	-13.4	1.89 V	316	43.6	17.0
6	10640.00	48.2 AV	54.0	-5.8	1.89 V	316	31.2	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.

RF Mode	802.11ac (VHT20)	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, 71.8% 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	61.0 PK	74.0	-13.0	3.46 H	14	51.6	9.4
2	5460.00	48.2 AV	54.0	-5.8	3.46 H	14	38.8	9.4
3	#5470.00	65.7 PK	68.2	-2.5	3.46 H	14	56.2	9.5
4	*5500.00	111.3 PK			3.46 H	14	101.8	9.5
5	*5500.00	103.4 AV			3.46 H	14	93.9	9.5
6	11000.00	59.3 PK	74.0	-14.7	1.57 H	323	41.0	18.3
7	11000.00	47.4 AV	54.0	-6.6	1.57 H	323	29.1	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.3 PK	74.0	-14.7	2.41 V	304	49.9	9.4
2	5460.00	47.6 AV	54.0	-6.4	2.41 V	304	38.2	9.4
3	#5470.00	64.4 PK	68.2	-3.8	2.41 V	304	54.9	9.5
4	*5500.00	110.2 PK			2.41 V	304	100.7	9.5
5	*5500.00	102.6 AV			2.41 V	304	93.1	9.5
6	11000.00	62.0 PK	74.0	-12.0	1.43 V	188	43.7	18.3
7	11000.00	50.1 AV	54.0	-3.9	1.43 V	188	31.8	18.3

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	802.11ac (VHT20)	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, 71.8% 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	109.4 PK			3.66 H	10	100.1	9.3
2	*5580.00	101.2 AV			3.66 H	10	91.9	9.3
3	11160.00	62.8 PK	74.0	-11.2	1.77 H	319	43.7	19.1
4	11160.00	50.4 AV	54.0	-3.6	1.77 H	319	31.3	19.1
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	*5580.00	108.3 PK			2.61 V	308	99.0	9.3
2	*5580.00	100.7 AV			2.61 V	308	91.4	9.3
3	11160.00	65.5 PK	74.0	-8.5	3.30 V	165	46.4	19.1
4	11160.00	53.1 AV	54.0	-0.9	3.30 V	165	34.0	19.1

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.

RF Mode	802.11ac (VHT20)	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, 71.8% 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	112.2 PK			3.51 H	344	103.6	8.6
2	*5700.00	104.0 AV			3.51 H	344	95.4	8.6
3	#5725.00	66.8 PK	68.2	-1.4	3.51 H	344	58.0	8.8
4	11400.00	62.2 PK	74.0	-11.8	1.62 H	293	43.0	19.2
5	11400.00	49.8 AV	54.0	-4.2	1.62 H	293	30.6	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.1 PK			2.46 V	282	102.5	8.6
2	*5700.00	103.5 AV			2.46 V	282	94.9	8.6
3	#5725.00	66.3 PK	68.2	-1.9	2.46 V	282	57.5	8.8
4	11400.00	64.9 PK	74.0	-9.1	1.18 V	228	45.7	19.2
5	11400.00	52.7 AV	54.0	-1.3	1.18 V	228	33.5	19.2

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 71.8% 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	#5618.00	59.7 PK	68.2	-8.5	3.48 H	9	50.7	9.0
2	*5745.00	112.9 PK			3.48 H	9	104.1	8.8
3	*5745.00	104.5 AV			3.48 H	9	95.7	8.8
4	#5984.00	58.5 PK	68.2	-9.7	3.48 H	9	49.8	8.7
5	11490.00	61.8 PK	74.0	-12.2	1.59 H	318	42.6	19.2
6	11490.00	49.8 AV	54.0	-4.2	1.59 H	318	30.6	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5613.60	59.3 PK	68.2	-8.9	2.43 V	307	50.2	9.1
2	*5745.00	111.8 PK			2.43 V	307	103.0	8.8
3	*5745.00	104.0 AV			2.43 V	307	95.2	8.8
4	#5983.60	58.2 PK	68.2	-10.0	2.43 V	307	49.5	8.7
5	11490.00	64.3 PK	74.0	-9.7	1.34 V	227	45.1	19.2
6	11490.00	52.7 AV	54.0	-1.3	1.34 V	227	33.5	19.2

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 71.8% 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	#5606.40	59.0 PK	68.2	-9.2	3.74 H	338	49.9	9.1
2	*5785.00	114.0 PK			3.74 H	338	105.2	8.8
3	*5785.00	106.0 AV			3.74 H	338	97.2	8.8
4	#5974.80	59.2 PK	68.2	-9.0	3.74 H	338	50.6	8.6
5	11570.00	64.6 PK	74.0	-9.4	1.85 H	287	45.2	19.4
6	11570.00	50.2 AV	54.0	-3.8	1.85 H	287	30.8	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	#5620.80	58.7 PK	68.2	-9.5	2.69 V	276	49.7	9.0
2	*5785.00	112.9 PK			2.69 V	276	104.1	8.8
3	*5785.00	105.5 AV			2.69 V	276	96.7	8.8
4	#5931.60	58.3 PK	68.2	-9.9	2.69 V	276	49.7	8.6
5	11570.00	67.1 PK	74.0	-6.9	2.87 V	271	47.7	19.4
6	11570.00	53.1 AV	54.0	-0.9	2.87 V	271	33.7	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	802.11ac (VHT20)	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, 71.8% 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	#5635.20	59.1 PK	68.2	-9.1	3.37 H	8	50.3	8.8
2	*5825.00	112.5 PK			3.37 H	8	103.8	8.7
3	*5825.00	104.5 AV			3.37 H	8	95.8	8.7
4	#5948.00	59.4 PK	68.2	-8.8	3.37 H	8	50.8	8.6
5	11650.00	59.3 PK	74.0	-14.7	1.48 H	257	39.8	19.5
6	11650.00	47.3 AV	54.0	-6.7	1.48 H	257	27.8	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	#5610.40	58.8 PK	68.2	-9.4	N/A V	N/A	49.7	9.1
2	*5825.00	111.4 PK			2.32 V	246	102.7	8.7
3	*5825.00	104.0 AV			2.32 V	246	95.3	8.7
4	#5938.40	59.1 PK	68.2	-9.1	N/A V	N/A	50.5	8.6
5	11650.00	61.8 PK	74.0	-12.2	1.36 V	216	42.3	19.5
6	11650.00	50.2 AV	54.0	-3.8	1.36 V	216	30.7	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	802.11ac (VHT40)	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, 71.8% 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	59.9 PK	74.0	-14.1	3.96 H	9	52.3	7.6
2	5150.00	47.9 AV	54.0	-6.1	3.96 H	9	40.3	7.6
3	*5190.00	106.4 PK			3.96 H	9	98.6	7.8
4	*5190.00	98.3 AV			3.96 H	9	90.5	7.8
5	#10380.00	47.6 PK	68.2	-20.6	2.07 H	244	30.9	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	2.91 V	215	51.9	7.6
2	5150.00	47.5 AV	54.0	-6.5	2.91 V	215	39.9	7.6
3	*5190.00	105.3 PK			2.91 V	215	97.5	7.8
4	*5190.00	97.5 AV			2.91 V	215	89.7	7.8
5	#10380.00	50.3 PK	68.2	-17.9	1.51 V	221	33.6	16.7

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	802.11ac (VHT40)	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, 71.8% 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	107.0 PK			3.85 H	332	98.7	8.3
2	*5230.00	98.9 AV			3.85 H	332	90.6	8.3
3	5350.00	58.8 PK	74.0	-15.2	3.85 H	332	50.0	8.8
4	5350.00	47.1 AV	54.0	-6.9	3.85 H	332	38.3	8.8
5	#10460.00	48.2 PK	68.2	-20.0	1.96 H	207	31.2	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	*5230.00	105.9 PK			2.80 V	178	97.6	8.3
2	*5230.00	98.1 AV			2.80 V	178	89.8	8.3
3	5350.00	58.4 PK	74.0	-15.6	2.80 V	178	49.6	8.8
4	5350.00	46.7 AV	54.0	-7.3	2.80 V	178	37.9	8.8
5	#10460.00	50.9 PK	68.2	-17.3	1.40 V	184	33.9	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	802.11ac (VHT40)	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, 71.8% 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	58.7 PK	74.0	-15.3	3.99 H	8	51.1	7.6
2	5150.00	46.8 AV	54.0	-7.2	3.99 H	8	39.2	7.6
3	*5270.00	108.9 PK			3.99 H	8	100.3	8.6
4	*5270.00	100.3 AV			3.99 H	8	91.7	8.6
5	#10540.00	57.4 PK	68.2	-10.8	2.10 H	243	40.3	17.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.3 PK	74.0	-15.7	2.94 V	142	50.7	7.6
2	5150.00	46.4 AV	54.0	-7.6	2.94 V	142	38.8	7.6
3	*5270.00	107.8 PK			2.94 V	142	99.2	8.6
4	*5270.00	99.6 AV			2.94 V	142	91.0	8.6
5	#10540.00	60.1 PK	68.2	-8.1	1.94 V	178	43.0	17.1

Remarks:

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

RF Mode	802.11ac (VHT40)	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, 71.8% 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	*5310.00	107.9 PK			3.94 H	337	99.0	8.9
2	*5310.00	99.3 AV			3.94 H	337	90.4	8.9
3	5350.00	59.7 PK	74.0	-14.3	3.94 H	337	50.9	8.8
4	5350.00	48.0 AV	54.0	-6.0	3.94 H	337	39.2	8.8
5	10620.00	56.4 PK	74.0	-17.6	2.05 H	212	39.3	17.1
6	10620.00	44.3 AV	54.0	-9.7	2.05 H	212	27.2	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	*5310.00	106.8 PK			2.89 V	111	97.9	8.9
2	*5310.00	98.6 AV			2.89 V	111	89.7	8.9
3	5350.00	59.3 PK	74.0	-14.7	2.89 V	111	50.5	8.8
4	5350.00	47.6 AV	54.0	-6.4	2.89 V	111	38.8	8.8
5	10620.00	59.1 PK	74.0	-14.9	1.94 V	178	42.0	17.1
6	10620.00	47.0 AV	54.0	-7.0	1.94 V	178	29.9	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.

RF Mode	802.11ac (VHT40)	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, 71.8% 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	63.2 PK	74.0	-10.8	3.45 H	338	53.8	9.4
2	5460.00	49.5 AV	54.0	-4.5	3.45 H	338	40.1	9.4
3	#5470.00	65.8 PK	68.2	-2.4	3.45 H	338	56.3	9.5
4	*5510.00	108.5 PK			3.45 H	338	99.0	9.5
5	*5510.00	100.8 AV			3.45 H	338	91.3	9.5
6	11020.00	55.8 PK	74.0	-18.2	1.56 H	211	37.4	18.4
7	11020.00	44.4 AV	54.0	-9.6	1.56 H	211	26.0	18.4
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	5460.00	62.4 PK	74.0	-11.6	2.40 V	112	53.0	9.4
2	5460.00	49.3 AV	54.0	-4.7	2.40 V	112	39.9	9.4
3	#5470.00	65.4 PK	68.2	-2.8	2.40 V	112	55.9	9.5
4	*5510.00	107.4 PK			2.40 V	112	97.9	9.5
5	*5510.00	99.6 AV			2.40 V	112	90.1	9.5
6	11020.00	58.5 PK	74.0	-15.5	1.17 V	182	40.1	18.4
7	11020.00	47.0 AV	54.0	-7.0	1.17 V	182	28.6	18.4

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	802.11ac (VHT40)	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, 71.8% 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	110.5 PK			3.50 H	334	101.0	9.5
2	*5550.00	102.0 AV			3.50 H	334	92.5	9.5
3	11100.00	57.8 PK	74.0	-16.2	1.61 H	215	38.9	18.9
4	11100.00	46.4 AV	54.0	-7.6	1.61 H	215	27.5	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	109.4 PK			2.45 V	108	99.9	9.5
2	*5550.00	100.8 AV			2.45 V	108	91.3	9.5
3	11100.00	60.5 PK	74.0	-13.5	1.22 V	178	41.6	18.9
4	11100.00	49.0 AV	54.0	-5.0	1.22 V	178	30.1	18.9

Remarks:

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

RF Mode	802.11ac (VHT40)	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, 71.8% 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	110.7 PK			3.54 H	335	102.1	8.6
2	*5670.00	102.2 AV			3.54 H	335	93.6	8.6
3	#5725.00	63.9 PK	68.2	-4.3	3.54 H	335	55.1	8.8
4	11340.00	58.0 PK	74.0	-16.0	1.65 H	216	39.0	19.0
5	11340.00	46.6 AV	54.0	-7.4	1.65 H	216	27.6	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	*5670.00	109.6 PK			2.49 V	109	101.0	8.6
2	*5670.00	101.0 AV			2.49 V	109	92.4	8.6
3	#5725.00	63.3 PK	68.2	-4.9	2.49 V	109	54.5	8.8
4	11340.00	60.7 PK	74.0	-13.3	1.26 V	177	41.7	19.0
5	11340.00	49.2 AV	54.0	-4.8	1.26 V	177	30.2	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	802.11ac (VHT40)	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, 71.8% 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	#5601.20	58.5 PK	68.2	-9.7	3.29 H	10	49.3	9.2
2	*5755.00	110.6 PK			3.29 H	10	101.7	8.9
3	*5755.00	102.1 AV			3.29 H	10	93.2	8.9
4	#5974.40	58.2 PK	68.2	-10.0	3.29 H	10	49.6	8.6
5	11510.00	58.3 PK	74.0	-15.7	1.40 H	251	39.1	19.2
6	11510.00	47.0 AV	54.0	-7.0	1.40 H	251	27.8	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.20	58.5 PK	68.2	-9.7	2.24 V	144	49.8	8.7
2	*5755.00	109.5 PK			2.24 V	144	100.6	8.9
3	*5755.00	100.9 AV			2.24 V	144	92.0	8.9
4	#5979.60	58.8 PK	68.2	-9.4	2.24 V	144	50.2	8.6
5	11510.00	61.0 PK	74.0	-13.0	1.03 V	223	41.8	19.2
6	11510.00	49.6 AV	54.0	-4.4	1.03 V	223	30.4	19.2

Remarks:

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

RF Mode	802.11ac (VHT40)	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, 71.8% 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	#5602.80	60.0 PK	68.2	-8.2	3.56 H	341	50.8	9.2
2	*5795.00	111.4 PK			3.56 H	341	102.5	8.9
3	*5795.00	103.3 AV			3.56 H	341	94.4	8.9
4	#5992.40	59.1 PK	68.2	-9.1	3.56 H	341	50.4	8.7
5	11590.00	59.1 PK	74.0	-14.9	1.67 H	222	39.7	19.4
6	11590.00	48.1 AV	54.0	-5.9	1.67 H	222	28.7	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	#5607.60	59.3 PK	68.2	-8.9	2.51 V	115	50.2	9.1
2	*5795.00	110.3 PK			2.51 V	115	101.4	8.9
3	*5795.00	102.1 AV			2.51 V	115	93.2	8.9
4	#5979.60	58.6 PK	68.2	-9.6	2.51 V	115	50.0	8.6
5	11590.00	61.8 PK	74.0	-12.2	1.30 V	194	42.4	19.4
6	11590.00	50.8 AV	54.0	-3.2	1.30 V	194	31.4	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	802.11ac (VHT80)	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, 71.8% 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	65.0 PK	74.0	-9.0	3.92 H	10	57.4	7.6
2	5150.00	50.6 AV	54.0	-3.4	3.92 H	10	43.0	7.6
3	*5210.00	104.5 PK			3.92 H	10	96.6	7.9
4	*5210.00	96.6 AV			3.92 H	10	88.7	7.9
5	5350.00	60.0 PK	74.0	-14.0	3.92 H	10	51.2	8.8
6	5350.00	48.3 AV	54.0	-5.7	3.92 H	10	39.5	8.8
7	#10420.00	56.8 PK	68.2	-11.4	2.03 H	243	40.1	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	2.87 V	214	57.0	7.6
2	5150.00	50.2 AV	54.0	-3.8	2.87 V	214	42.6	7.6
3	*5210.00	103.4 PK			2.87 V	214	95.5	7.9
4	*5210.00	95.8 AV			2.87 V	214	87.9	7.9
5	5350.00	58.9 PK	74.0	-15.1	2.87 V	214	50.1	8.8
6	5350.00	47.1 AV	54.0	-6.9	2.87 V	214	38.3	8.8
7	#10420.00	59.5 PK	68.2	-8.7	1.99 V	178	42.8	16.7

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	802.11ac (VHT80)	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, 71.8% 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	59.1 PK	74.0	-14.9	3.97 H	338	51.5	7.6
2	5150.00	47.0 AV	54.0	-7.0	3.97 H	338	39.4	7.6
3	*5290.00	105.8 PK			3.97 H	338	97.1	8.7
4	*5290.00	97.5 AV			3.97 H	338	88.8	8.7
5	5350.00	64.2 PK	74.0	-9.8	3.97 H	338	55.4	8.8
6	5350.00	51.0 AV	54.0	-3.0	3.97 H	338	42.2	8.8
7	#10580.00	57.1 PK	68.2	-11.1	2.08 H	211	39.9	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	2.92 V	182	51.1	7.6
2	5150.00	46.6 AV	54.0	-7.4	2.92 V	182	39.0	7.6
3	*5290.00	104.7 PK			2.92 V	182	96.0	8.7
4	*5290.00	96.7 AV			2.92 V	182	88.0	8.7
5	5350.00	62.8 PK	74.0	-11.2	2.92 V	182	54.0	8.8
6	5350.00	50.4 AV	54.0	-3.6	2.92 V	182	41.6	8.8
7	#10580.00	59.8 PK	68.2	-8.4	2.04 V	146	42.6	17.2

Remarks:

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

RF Mode	802.11ac (VHT80)	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, 71.8% 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	66.8 PK	74.0	-7.2	4.00 H	348	57.4	9.4
2	5460.00	50.8 AV	54.0	-3.2	4.00 H	348	41.4	9.4
3	#5470.00	67.6 PK	68.2	-0.6	4.00 H	348	58.1	9.5
4	*5530.00	105.5 PK			4.00 H	348	96.0	9.5
5	*5530.00	97.8 AV			4.00 H	348	88.3	9.5
6	11060.00	58.2 PK	74.0	-15.8	2.16 H	221	39.6	18.6
7	11060.00	43.2 AV	54.0	-10.8	2.16 H	221	24.6	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	66.0 PK	74.0	-8.0	2.95 V	192	56.6	9.4
2	5460.00	50.0 AV	54.0	-4.0	2.95 V	192	40.6	9.4
3	#5470.00	67.3 PK	68.2	-0.9	2.95 V	192	57.8	9.5
4	*5530.00	104.4 PK			2.95 V	192	94.9	9.5
5	*5530.00	97.0 AV			2.95 V	192	87.5	9.5
6	11060.00	60.5 PK	74.0	-13.5	1.99 V	178	41.9	18.6
7	11060.00	46.9 AV	54.0	-7.1	1.99 V	178	28.3	18.6

Remarks:

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

RF Mode	802.11ac (VHT80)	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, 71.8% 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	106.7 PK			3.51 H	5	97.6	9.1
2	*5610.00	98.3 AV			3.51 H	5	89.2	9.1
3	#5725.00	65.6 PK	68.2	-2.6	3.51 H	5	56.8	8.8
4	11220.00	59.4 PK	74.0	-14.6	1.67 H	238	40.3	19.1
5	11220.00	44.4 AV	54.0	-9.6	1.67 H	238	25.3	19.1
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	*5610.00	105.6 PK			2.46 V	209	96.5	9.1
2	*5610.00	97.5 AV			2.46 V	209	88.4	9.1
3	#5725.00	64.7 PK	68.2	-3.5	2.46 V	209	55.9	8.8
4	11220.00	61.7 PK	74.0	-12.3	1.50 V	195	42.6	19.1
5	11220.00	48.1 AV	54.0	-5.9	1.50 V	195	29.0	19.1

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	802.11ac (VHT80)	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, 71.8% 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	#5627.20	60.6 PK	68.2	-7.6	3.79 H	357	51.8	8.8
2	*5775.00	106.9 PK			3.79 H	357	97.9	9.0
3	*5775.00	98.8 AV			3.79 H	357	89.8	9.0
4	#5968.80	58.7 PK	68.2	-9.5	3.79 H	357	50.1	8.6
5	11550.00	59.6 PK	74.0	-14.4	1.95 H	230	40.3	19.3
6	11550.00	44.2 AV	54.0	-9.8	1.95 H	230	24.9	19.3
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	#5626.40	60.3 PK	68.2	-7.9	2.74 V	201	51.5	8.8
2	*5775.00	105.8 PK			2.74 V	201	96.8	9.0
3	*5775.00	98.5 AV			2.74 V	201	89.5	9.0
4	#5944.40	58.2 PK	68.2	-10.0	2.74 V	201	49.6	8.6
5	11550.00	63.1 PK	74.0	-10.9	1.78 V	187	43.8	19.3
6	11550.00	49.1 AV	54.0	-4.9	1.78 V	187	29.8	19.3

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 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, 71.8% 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	60.4 PK	74.0	-13.6	3.98 H	12	52.8	7.6
2	5150.00	47.0 AV	54.0	-7.0	3.98 H	12	39.4	7.6
3	*5180.00	111.0 PK			3.98 H	12	103.2	7.8
4	*5180.00	99.5 AV			3.98 H	12	91.7	7.8
5	#10360.00	57.8 PK	68.2	-10.4	2.09 H	253	41.2	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	2.93 V	146	52.4	7.6
2	5150.00	46.6 AV	54.0	-7.4	2.93 V	146	39.0	7.6
3	*5180.00	109.9 PK			2.93 V	146	102.1	7.8
4	*5180.00	98.5 AV			2.93 V	146	90.7	7.8
5	#10360.00	60.5 PK	68.2	-7.7	2.09 V	180	43.9	16.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8% 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	111.3 PK			3.96 H	3	103.5	7.8
2	*5200.00	99.4 AV			3.96 H	3	91.6	7.8
3	#10400.00	58.1 PK	68.2	-10.1	2.07 H	244	41.5	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.2 PK			2.91 V	137	102.4	7.8
2	*5200.00	98.4 AV			2.91 V	137	90.6	7.8
3	#10400.00	60.8 PK	68.2	-7.4	2.07 V	171	44.2	16.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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, 71.8% 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	111.1 PK			3.46 H	327	102.7	8.4
2	*5240.00	99.5 AV			3.46 H	327	91.1	8.4
3	5350.00	59.3 PK	74.0	-14.7	3.46 H	327	50.5	8.8
4	5350.00	46.9 AV	54.0	-7.1	3.46 H	327	38.1	8.8
5	#10480.00	57.9 PK	68.2	-10.3	1.57 H	208	40.9	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	110.0 PK			2.41 V	101	101.6	8.4
2	*5240.00	98.5 AV			2.41 V	101	90.1	8.4
3	5350.00	58.9 PK	74.0	-15.1	2.41 V	101	50.1	8.8
4	5350.00	46.5 AV	54.0	-7.5	2.41 V	101	37.7	8.8
5	#10480.00	60.6 PK	68.2	-7.6	1.57 V	135	43.6	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 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, 71.8% 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	60.0 PK	74.0	-14.0	3.99 H	330	52.4	7.6
2	5150.00	46.6 AV	54.0	-7.4	3.99 H	330	39.0	7.6
3	*5260.00	112.8 PK			3.99 H	330	104.2	8.6
4	*5260.00	101.3 AV			3.99 H	330	92.7	8.6
5	#10520.00	59.5 PK	68.2	-8.7	2.10 H	211	42.4	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	59.6 PK	74.0	-14.4	2.94 V	104	52.0	7.6
2	5150.00	46.2 AV	54.0	-7.8	2.94 V	104	38.6	7.6
3	*5260.00	111.7 PK			2.94 V	104	103.1	8.6
4	*5260.00	100.3 AV			2.94 V	104	91.7	8.6
5	#10520.00	62.2 PK	68.2	-6.0	2.10 V	138	45.1	17.1

Remarks:

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

RF Mode	802.11ax (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, 71.8% 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	112.8 PK			3.54 H	332	104.0	8.8
2	*5300.00	101.0 AV			3.54 H	332	92.2	8.8
3	10600.00	59.2 PK	74.0	-14.8	1.65 H	213	42.1	17.1
4	10600.00	47.7 AV	54.0	-6.3	1.65 H	213	30.6	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	*5300.00	111.6 PK			2.49 V	106	102.8	8.8
2	*5300.00	100.0 AV			2.49 V	106	91.2	8.8
3	10600.00	61.9 PK	74.0	-12.1	1.82 V	178	44.8	17.1
4	10600.00	50.1 AV	54.0	-3.9	1.82 V	178	33.0	17.1

Remarks:

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

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, 71.8% 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	111.6 PK			3.53 H	339	102.7	8.9
2	*5320.00	100.3 AV			3.53 H	339	91.4	8.9
3	5350.00	59.3 PK	74.0	-14.7	3.53 H	339	50.5	8.8
4	5350.00	47.5 AV	54.0	-6.5	3.53 H	339	38.7	8.8
5	10640.00	57.4 PK	74.0	-16.6	1.64 H	220	40.4	17.0
6	10640.00	45.7 AV	54.0	-8.3	1.64 H	220	28.7	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	*5320.00	110.4 PK			2.48 V	113	101.5	8.9
2	*5320.00	99.3 AV			2.48 V	113	90.4	8.9
3	5350.00	58.9 PK	74.0	-15.1	2.48 V	113	50.1	8.8
4	5350.00	47.1 AV	54.0	-6.9	2.48 V	113	38.3	8.8
5	10640.00	60.1 PK	74.0	-13.9	2.15 V	180	43.1	17.0
6	10640.00	48.1 AV	54.0	-5.9	2.15 V	180	31.1	17.0

Remarks:

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

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, 71.8% 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	59.2 PK	74.0	-14.8	3.86 H	3	49.8	9.4
2	5460.00	47.4 AV	54.0	-6.6	3.86 H	3	38.0	9.4
3	#5470.00	59.5 PK	68.2	-8.7	3.86 H	3	50.0	9.5
4	*5500.00	113.0 PK			3.86 H	3	103.5	9.5
5	*5500.00	101.6 AV			3.86 H	3	92.1	9.5
6	11000.00	56.4 PK	74.0	-17.6	1.31 H	196	38.1	18.3
7	11000.00	44.5 AV	54.0	-9.5	1.31 H	196	26.2	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	2.81 V	137	49.4	9.4
2	5460.00	47.0 AV	54.0	-7.0	2.81 V	137	37.6	9.4
3	#5470.00	59.1 PK	68.2	-9.1	2.81 V	137	49.6	9.5
4	*5500.00	111.8 PK			2.81 V	137	102.3	9.5
5	*5500.00	100.6 AV			2.81 V	137	91.1	9.5
6	11000.00	59.1 PK	74.0	-14.9	1.27 V	183	40.8	18.3
7	11000.00	46.9 AV	54.0	-7.1	1.27 V	183	28.6	18.3

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 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, 71.8% 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	113.6 PK			3.89 H	339	104.3	9.3
2	*5580.00	102.2 AV			3.89 H	339	92.9	9.3
3	11160.00	57.0 PK	74.0	-17.0	1.34 H	172	37.9	19.1
4	11160.00	45.1 AV	54.0	-8.9	1.34 H	172	26.0	19.1
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	*5580.00	112.4 PK			2.84 V	113	103.1	9.3
2	*5580.00	101.2 AV			2.84 V	113	91.9	9.3
3	11160.00	59.7 PK	74.0	-14.3	1.30 V	159	40.6	19.1
4	11160.00	47.5 AV	54.0	-6.5	1.30 V	159	28.4	19.1

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.

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, 71.8% 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	113.6 PK			3.74 H	338	105.0	8.6
2	*5700.00	102.1 AV			3.74 H	338	93.5	8.6
3	#5725.00	60.4 PK	68.2	-7.8	3.74 H	338	51.6	8.8
4	11400.00	57.0 PK	74.0	-17.0	1.19 H	171	37.8	19.2
5	11400.00	45.0 AV	54.0	-9.0	1.19 H	171	25.8	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.4 PK			2.69 V	112	103.8	8.6
2	*5700.00	101.1 AV			2.69 V	112	92.5	8.6
3	#5725.00	60.0 PK	68.2	-8.2	2.69 V	112	51.2	8.8
4	11400.00	59.7 PK	74.0	-14.3	1.15 V	158	40.5	19.2
5	11400.00	47.4 AV	54.0	-6.6	1.15 V	158	28.2	19.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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, 71.8% 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	#5647.20	58.8 PK	68.2	-9.4	3.69 H	5	50.1	8.7
2	*5745.00	114.0 PK			3.69 H	5	105.2	8.8
3	*5745.00	102.8 AV			3.69 H	5	94.0	8.8
4	#5996.80	58.3 PK	68.2	-9.9	3.69 H	5	49.6	8.7
5	11490.00	59.9 PK	74.0	-14.1	1.14 H	198	40.7	19.2
6	11490.00	48.2 AV	54.0	-5.8	1.14 H	198	29.0	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5615.20	59.4 PK	68.2	-8.8	2.64 V	139	50.3	9.1
2	*5745.00	112.8 PK			2.64 V	139	104.0	8.8
3	*5745.00	101.5 AV			2.64 V	139	92.7	8.8
4	#5939.60	58.4 PK	68.2	-9.8	2.64 V	139	49.8	8.6
5	11490.00	62.6 PK	74.0	-11.4	1.04 V	223	43.4	19.2
6	11490.00	50.6 AV	54.0	-3.4	1.04 V	223	31.4	19.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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, 71.8% 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	#5604.40	58.9 PK	68.2	-9.3	3.81 H	12	49.7	9.2
2	*5785.00	114.2 PK			3.81 H	12	105.4	8.8
3	*5785.00	102.8 AV			3.81 H	12	94.0	8.8
4	#5959.60	58.7 PK	68.2	-9.5	3.81 H	12	50.1	8.6
5	11570.00	58.0 PK	74.0	-16.0	1.26 H	205	38.6	19.4
6	11570.00	47.1 AV	54.0	-6.9	1.26 H	205	27.7	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	#5616.00	59.3 PK	68.2	-8.9	2.76 V	146	50.3	9.0
2	*5785.00	113.0 PK			2.76 V	146	104.2	8.8
3	*5785.00	101.7 AV			2.76 V	146	92.9	8.8
4	#5979.20	58.9 PK	68.2	-9.3	2.76 V	146	50.3	8.6
5	11570.00	60.7 PK	74.0	-13.3	1.08 V	223	41.3	19.4
6	11570.00	49.5 AV	54.0	-4.5	1.08 V	223	30.1	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 (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, 71.8% 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	#5614.40	59.0 PK	68.2	-9.2	3.37 H	6	49.9	9.1
2	*5825.00	114.4 PK			3.37 H	6	105.7	8.7
3	*5825.00	103.0 AV			3.37 H	6	94.3	8.7
4	#5998.00	59.0 PK	68.2	-9.2	3.37 H	6	50.3	8.7
5	11650.00	57.7 PK	74.0	-16.3	1.70 H	211	38.2	19.5
6	11650.00	46.6 AV	54.0	-7.4	1.70 H	211	27.1	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	#5607.20	58.7 PK	68.2	-9.5	2.32 V	152	49.6	9.1
2	*5825.00	113.2 PK			2.32 V	152	104.5	8.7
3	*5825.00	101.9 AV			2.32 V	152	93.2	8.7
4	#5985.20	58.8 PK	68.2	-9.4	2.32 V	152	50.1	8.7
5	11650.00	60.4 PK	74.0	-13.6	1.00 V	218	40.9	19.5
6	11650.00	49.0 AV	54.0	-5.0	1.00 V	218	29.5	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, 71.8% 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	3.98 H	5	55.4	7.6
2	5150.00	48.7 AV	54.0	-5.3	3.98 H	5	41.1	7.6
3	*5190.00	110.6 PK			3.98 H	5	102.8	7.8
4	*5190.00	99.0 AV			3.98 H	5	91.2	7.8
5	#10380.00	58.1 PK	68.2	-10.1	2.10 H	212	41.4	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	2.92 V	139	55.0	7.6
2	5150.00	48.3 AV	54.0	-5.7	2.92 V	139	40.7	7.6
3	*5190.00	109.5 PK			2.92 V	139	101.7	7.8
4	*5190.00	98.0 AV			2.92 V	139	90.2	7.8
5	#10380.00	60.8 PK	68.2	-7.4	2.08 V	180	44.1	16.7

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 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, 71.8% 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	110.9 PK			3.91 H	7	102.6	8.3
2	*5230.00	99.3 AV			3.91 H	7	91.0	8.3
3	5350.00	59.4 PK	74.0	-14.6	3.91 H	7	50.6	8.8
4	5350.00	47.1 AV	54.0	-6.9	3.91 H	7	38.3	8.8
5	#10460.00	58.4 PK	68.2	-9.8	2.03 H	213	41.4	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	*5230.00	109.8 PK			2.85 V	141	101.5	8.3
2	*5230.00	98.3 AV			2.85 V	141	90.0	8.3
3	5350.00	59.0 PK	74.0	-15.0	2.85 V	141	50.2	8.8
4	5350.00	46.7 AV	54.0	-7.3	2.85 V	141	37.9	8.8
5	#10460.00	61.1 PK	68.2	-7.1	2.01 V	182	44.1	17.0

Remarks:

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

RF Mode	802.11ax (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, 71.8% 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	59.1 PK	74.0	-14.9	4.00 H	8	51.5	7.6
2	5150.00	46.9 AV	54.0	-7.1	4.00 H	8	39.3	7.6
3	*5270.00	110.8 PK			4.00 H	8	102.2	8.6
4	*5270.00	99.2 AV			4.00 H	8	90.6	8.6
5	#10540.00	58.3 PK	68.2	-9.9	2.12 H	214	41.2	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	58.8 PK	74.0	-15.2	2.94 V	142	51.2	7.6
2	5150.00	46.6 AV	54.0	-7.4	2.94 V	142	39.0	7.6
3	*5270.00	109.7 PK			2.94 V	142	101.1	8.6
4	*5270.00	98.2 AV			2.94 V	142	89.6	8.6
5	#10540.00	61.0 PK	68.2	-7.2	2.10 V	183	43.9	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 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, 71.8% 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	*5310.00	110.0 PK			3.73 H	334	101.1	8.9
2	*5310.00	98.4 AV			3.73 H	334	89.5	8.9
3	5350.00	59.1 PK	74.0	-14.9	3.73 H	334	50.3	8.8
4	5350.00	48.4 AV	54.0	-5.6	3.73 H	334	39.6	8.8
5	10620.00	57.5 PK	74.0	-16.5	1.85 H	180	40.4	17.1
6	10620.00	45.7 AV	54.0	-8.3	1.85 H	180	28.6	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	*5310.00	108.9 PK			2.67 V	108	100.0	8.9
2	*5310.00	97.4 AV			2.67 V	108	88.5	8.9
3	5350.00	58.7 PK	74.0	-15.3	2.67 V	108	49.9	8.8
4	5350.00	48.0 AV	54.0	-6.0	2.67 V	108	39.2	8.8
5	10620.00	60.2 PK	74.0	-13.8	1.83 V	149	43.1	17.1
6	10620.00	38.4 AV	54.0	-15.6	1.83 V	149	21.3	17.1

Remarks:

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

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, 71.8% 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	62.8 PK	74.0	-11.2	3.82 H	7	53.4	9.4
2	5460.00	47.8 AV	54.0	-6.2	3.82 H	7	38.4	9.4
3	#5470.00	65.6 PK	68.2	-2.6	3.82 H	7	56.1	9.5
4	*5510.00	111.0 PK			3.82 H	7	101.5	9.5
5	*5510.00	99.4 AV			3.82 H	7	89.9	9.5
6	11020.00	55.1 PK	74.0	-18.9	1.52 H	203	36.7	18.4
7	11020.00	43.3 AV	54.0	-10.7	1.52 H	203	24.9	18.4
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	5460.00	62.2 PK	74.0	-11.8	2.76 V	141	52.8	9.4
2	5460.00	47.6 AV	54.0	-6.4	2.76 V	141	38.2	9.4
3	#5470.00	64.5 PK	68.2	-3.7	2.76 V	141	55.0	9.5
4	*5510.00	109.9 PK			2.76 V	141	100.4	9.5
5	*5510.00	98.4 AV			2.76 V	141	88.9	9.5
6	11020.00	57.8 PK	74.0	-16.2	2.16 V	172	39.4	18.4
7	11020.00	46.0 AV	54.0	-8.0	2.16 V	172	27.6	18.4

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 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, 71.8% 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	109.7 PK			3.72 H	339	100.2	9.5
2	*5550.00	98.1 AV			3.72 H	339	88.6	9.5
3	11100.00	53.8 PK	74.0	-20.2	1.42 H	175	34.9	18.9
4	11100.00	42.0 AV	54.0	-12.0	1.42 H	175	23.1	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	108.6 PK			2.66 V	113	99.1	9.5
2	*5550.00	97.1 AV			2.66 V	113	87.6	9.5
3	11100.00	56.5 PK	74.0	-17.5	2.05 V	144	37.6	18.9
4	11100.00	44.7 AV	54.0	-9.3	2.05 V	144	25.8	18.9

Remarks:

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

RF Mode	802.11ax (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, 71.8% 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	110.6 PK			3.82 H	338	102.0	8.6
2	*5670.00	99.0 AV			3.82 H	338	90.4	8.6
3	#5725.00	62.3 PK	68.2	-5.9	3.82 H	338	53.5	8.8
4	11340.00	54.7 PK	74.0	-19.3	1.31 H	176	35.7	19.0
5	11340.00	42.9 AV	54.0	-11.1	1.31 H	176	23.9	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	*5670.00	109.5 PK			2.76 V	112	100.9	8.6
2	*5670.00	98.0 AV			2.76 V	112	89.4	8.6
3	#5725.00	61.3 PK	68.2	-6.9	2.76 V	112	52.5	8.8
4	11340.00	57.4 PK	74.0	-16.6	1.95 V	143	38.4	19.0
5	11340.00	45.6 AV	54.0	-8.4	1.95 V	143	26.6	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 (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, 71.8% 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	#5613.60	58.9 PK	68.2	-9.3	3.31 H	5	49.8	9.1
2	*5755.00	112.3 PK			3.31 H	5	103.4	8.9
3	*5755.00	100.7 AV			3.31 H	5	91.8	8.9
4	#5979.20	58.0 PK	68.2	-10.2	3.31 H	5	49.4	8.6
5	11510.00	56.4 PK	74.0	-17.6	1.82 H	203	37.2	19.2
6	11510.00	44.6 AV	54.0	-9.4	1.82 H	203	25.4	19.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.60	58.8 PK	68.2	-9.4	2.25 V	139	49.6	9.2
2	*5755.00	111.2 PK			2.25 V	139	102.3	8.9
3	*5755.00	99.7 AV			2.25 V	139	90.8	8.9
4	#5972.00	58.3 PK	68.2	-9.9	2.25 V	139	49.7	8.6
5	11510.00	59.1 PK	74.0	-14.9	1.44 V	170	39.9	19.2
6	11510.00	47.3 AV	54.0	-6.7	1.44 V	170	28.1	19.2

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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, 71.8% 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	#5637.60	58.4 PK	68.2	-9.8	3.42 H	7	49.7	8.7
2	*5795.00	112.6 PK			3.42 H	7	103.7	8.9
3	*5795.00	101.0 AV			3.42 H	7	92.1	8.9
4	#5988.40	58.9 PK	68.2	-9.3	3.42 H	7	50.2	8.7
5	11590.00	56.7 PK	74.0	-17.3	1.93 H	205	37.3	19.4
6	11590.00	44.9 AV	54.0	-9.1	1.93 H	205	25.5	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	#5644.00	58.7 PK	68.2	-9.5	2.36 V	141	49.9	8.8
2	*5795.00	111.5 PK			2.36 V	141	102.6	8.9
3	*5795.00	100.0 AV			2.36 V	141	91.1	8.9
4	#5934.00	59.2 PK	68.2	-9.0	2.36 V	141	50.6	8.6
5	11590.00	59.4 PK	74.0	-14.6	1.55 V	172	40.0	19.4
6	11590.00	47.6 AV	54.0	-6.4	1.55 V	172	28.2	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 (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, 71.8% 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	62.4 PK	74.0	-11.6	3.95 H	7	54.8	7.6
2	5150.00	50.4 AV	54.0	-3.6	3.95 H	7	42.8	7.6
3	*5210.00	107.7 PK			3.95 H	7	99.8	7.9
4	*5210.00	96.4 AV			3.95 H	7	88.5	7.9
5	5350.00	59.1 PK	74.0	-14.9	3.95 H	7	50.3	8.8
6	5350.00	47.0 AV	54.0	-7.0	3.95 H	7	38.2	8.8
7	#10420.00	55.8 PK	68.2	-12.4	2.46 H	206	39.1	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.6 PK	74.0	-12.4	2.89 V	140	54.0	7.6
2	5150.00	49.7 AV	54.0	-4.3	2.89 V	140	42.1	7.6
3	*5210.00	106.6 PK			2.89 V	140	98.7	7.9
4	*5210.00	95.1 AV			2.89 V	140	87.2	7.9
5	5350.00	58.2 PK	74.0	-15.8	2.89 V	140	49.4	8.8
6	5350.00	46.1 AV	54.0	-7.9	2.89 V	140	37.3	8.8
7	#10420.00	58.5 PK	68.2	-9.7	1.02 V	173	41.8	16.7

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 (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, 71.8% 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	58.3 PK	74.0	-15.7	3.99 H	339	50.7	7.6
2	5150.00	46.7 AV	54.0	-7.3	3.99 H	339	39.1	7.6
3	*5290.00	107.9 PK			3.99 H	339	99.2	8.7
4	*5290.00	96.6 AV			3.99 H	339	87.9	8.7
5	5350.00	60.8 PK	74.0	-13.2	3.99 H	339	52.0	8.8
6	5350.00	50.3 AV	54.0	-3.7	3.99 H	339	41.5	8.8
7	#10580.00	56.0 PK	68.2	-12.2	2.50 H	178	38.8	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.0 PK	74.0	-16.0	2.93 V	112	50.4	7.6
2	5150.00	46.4 AV	54.0	-7.6	2.93 V	112	38.8	7.6
3	*5290.00	106.8 PK			2.93 V	112	98.1	8.7
4	*5290.00	95.3 AV			2.93 V	112	86.6	8.7
5	5350.00	60.3 PK	74.0	-13.7	2.93 V	112	51.5	8.8
6	5350.00	49.8 AV	54.0	-4.2	2.93 V	112	41.0	8.8
7	#10580.00	58.7 PK	68.2	-9.5	1.06 V	145	41.5	17.2

Remarks:

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

RF Mode	802.11ax (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, 71.8% 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	65.5 PK	74.0	-8.5	3.82 H	340	56.1	9.4
2	5460.00	49.9 AV	54.0	-4.1	3.82 H	340	40.5	9.4
3	#5470.00	65.8 PK	68.2	-2.4	3.82 H	340	56.3	9.5
4	*5530.00	106.7 PK			3.82 H	340	97.2	9.5
5	*5530.00	95.4 AV			3.82 H	340	85.9	9.5
6	11060.00	55.8 PK	74.0	-18.2	1.32 H	178	37.2	18.6
7	11060.00	41.8 AV	54.0	-12.2	1.32 H	178	23.2	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.1 PK	74.0	-8.9	2.76 V	114	55.7	9.4
2	5460.00	49.5 AV	54.0	-4.5	2.76 V	114	40.1	9.4
3	#5470.00	65.4 PK	68.2	-2.8	2.76 V	114	55.9	9.5
4	*5530.00	105.6 PK			2.76 V	114	96.1	9.5
5	*5530.00	94.1 AV			2.76 V	114	84.6	9.5
6	11060.00	56.3 PK	74.0	-17.7	1.94 V	145	37.7	18.6
7	11060.00	44.5 AV	54.0	-9.5	1.94 V	145	25.9	18.6

Remarks:

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

RF Mode	802.11ax (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, 71.8% 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	109.2 PK			3.50 H	335	100.1	9.1
2	*5610.00	97.9 AV			3.50 H	335	88.8	9.1
3	#5725.00	62.9 PK	68.2	-5.3	3.50 H	335	54.1	8.8
4	11220.00	58.3 PK	74.0	-15.7	1.00 H	173	39.2	19.1
5	11220.00	44.3 AV	54.0	-9.7	1.00 H	173	25.2	19.1
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	*5610.00	108.1 PK			2.44 V	109	99.0	9.1
2	*5610.00	96.6 AV			2.44 V	109	87.5	9.1
3	#5725.00	62.4 PK	68.2	-5.8	2.44 V	109	53.6	8.8
4	11220.00	58.8 PK	74.0	-15.2	1.62 V	140	39.7	19.1
5	11220.00	47.0 AV	54.0	-7.0	1.62 V	140	27.9	19.1

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 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, 71.8% 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	#5646.80	59.6 PK	68.2	-8.6	3.48 H	11	50.9	8.7
2	*5775.00	109.2 PK			3.48 H	11	100.2	9.0
3	*5775.00	97.8 AV			3.48 H	11	88.8	9.0
4	#5925.60	58.6 PK	68.2	-9.6	3.48 H	11	50.1	8.5
5	11550.00	58.2 PK	74.0	-15.8	1.02 H	209	38.9	19.3
6	11550.00	44.2 AV	54.0	-9.8	1.02 H	209	24.9	19.3
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	#5645.60	60.4 PK	68.2	-7.8	2.42 V	73	51.7	8.7
2	*5775.00	108.0 PK			2.42 V	73	99.0	9.0
3	*5775.00	96.5 AV			2.42 V	73	87.5	9.0
4	#5972.80	58.2 PK	68.2	-10.0	2.42 V	73	49.6	8.6
5	11550.00	58.7 PK	74.0	-15.3	1.60 V	104	39.4	19.3
6	11550.00	46.9 AV	54.0	-7.1	1.60 V	104	27.6	19.3

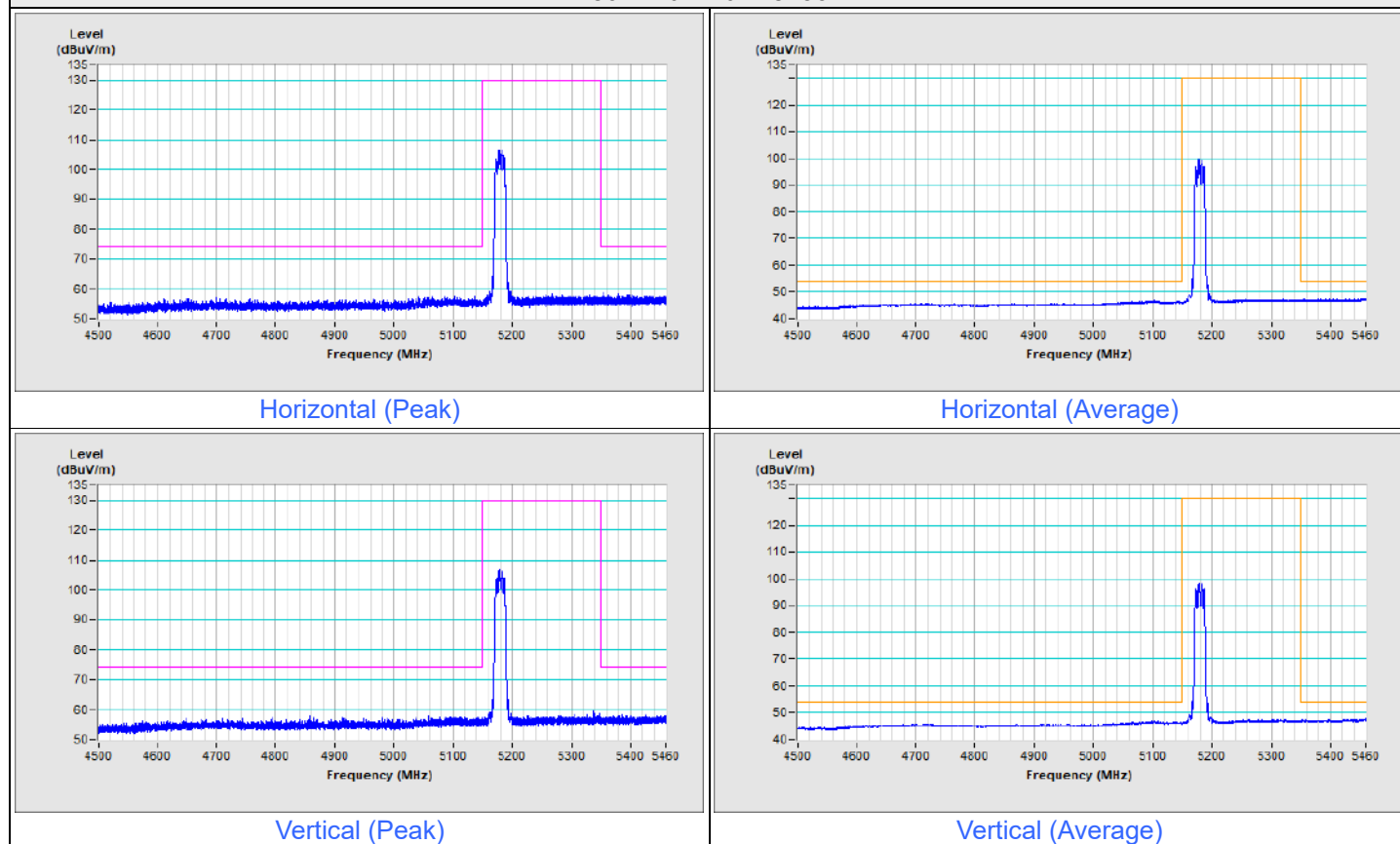
Remarks:

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.

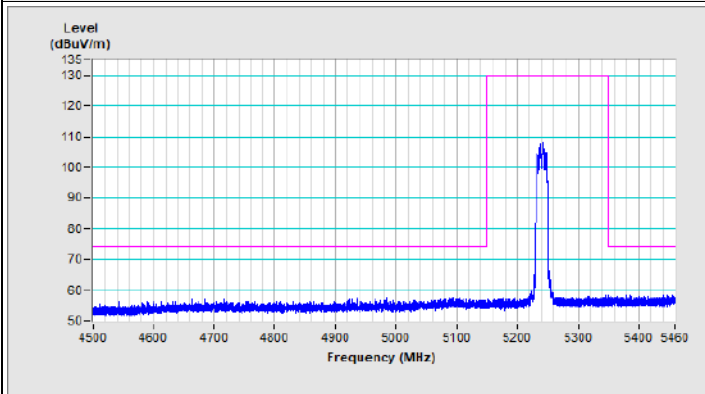
Plot of Band Edge

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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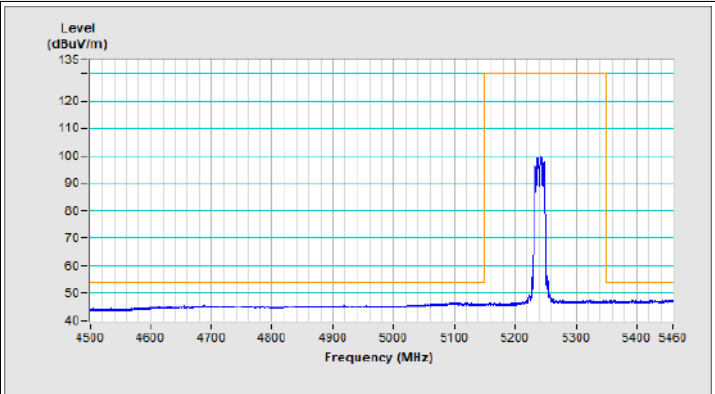
802.11a Channel 36



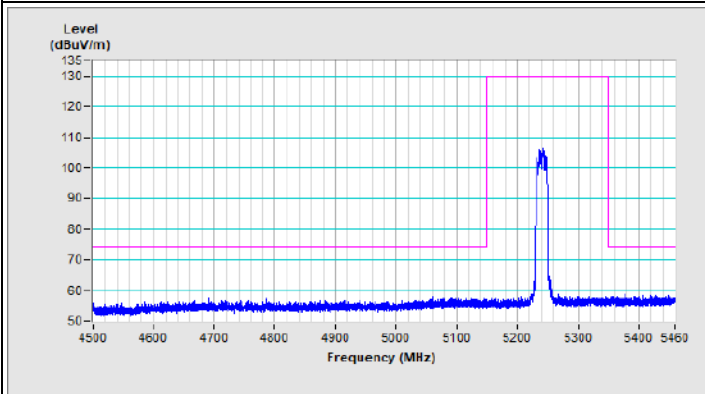
802.11a Channel 48



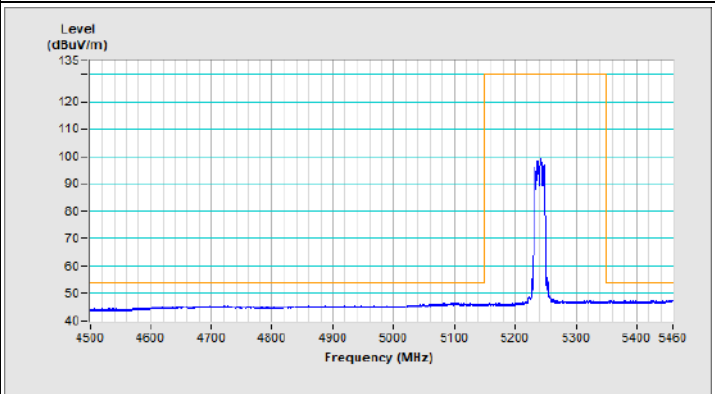
Horizontal (Peak)



Horizontal (Average)

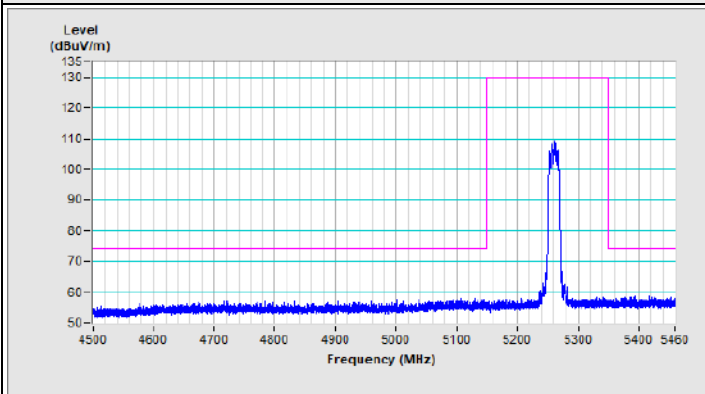


Vertical (Peak)

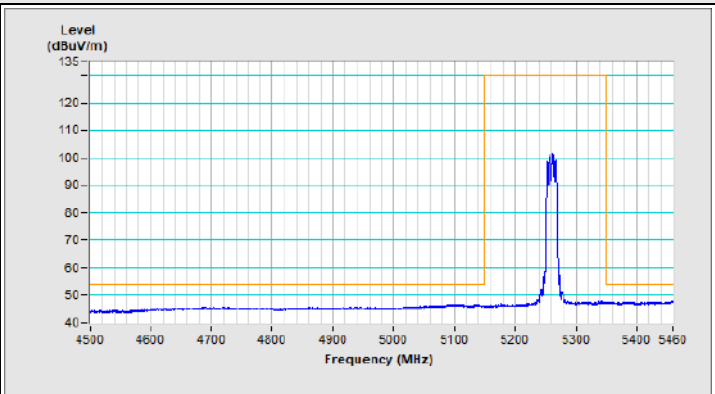


Vertical (Average)

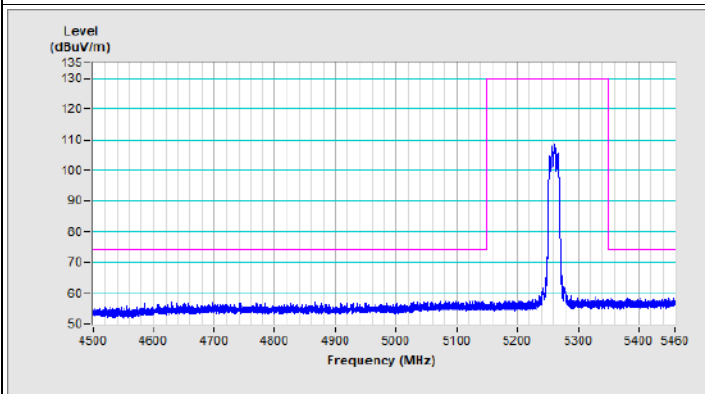
802.11a Channel 52



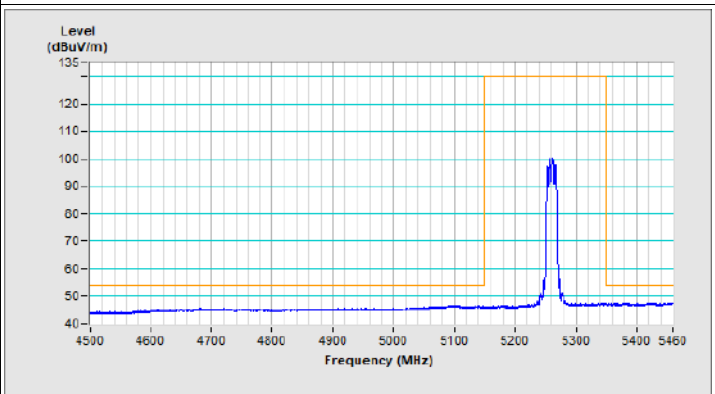
Horizontal (Peak)



Horizontal (Average)

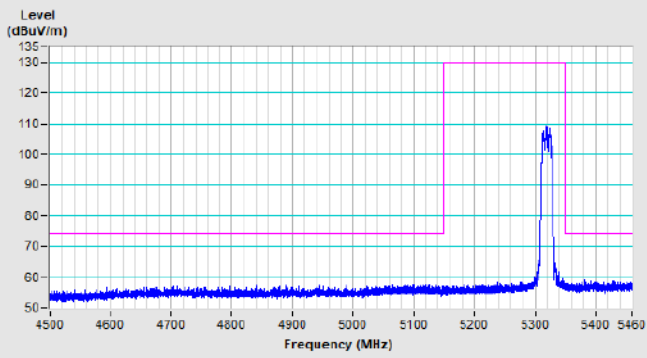


Vertical (Peak)

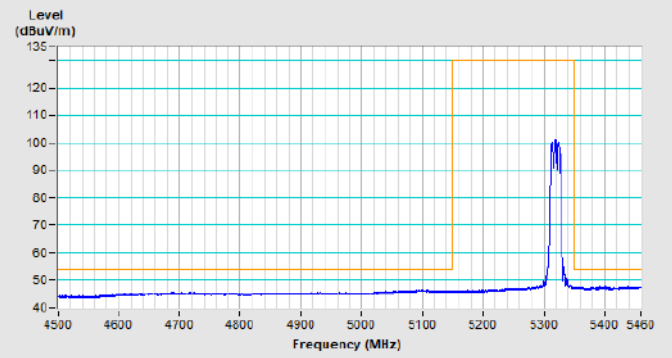


Vertical (Average)

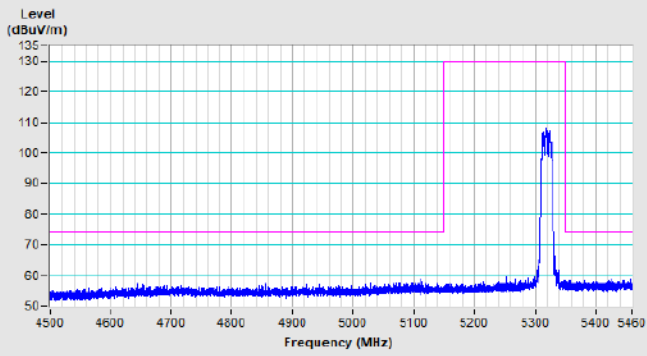
802.11a Channel 64



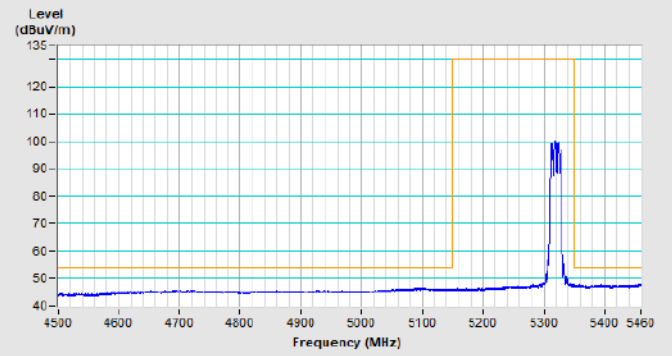
Horizontal (Peak)



Horizontal (Average)



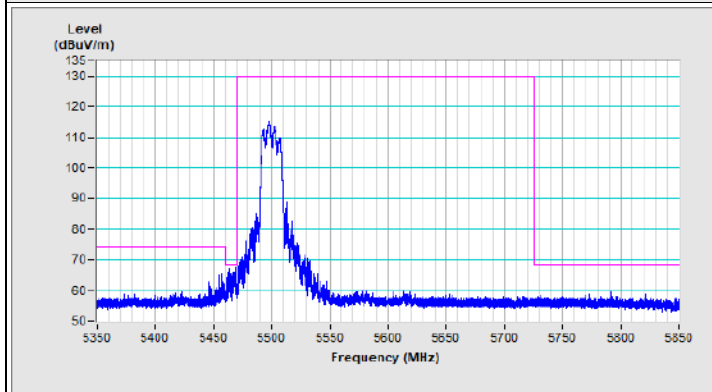
Vertical (Peak)



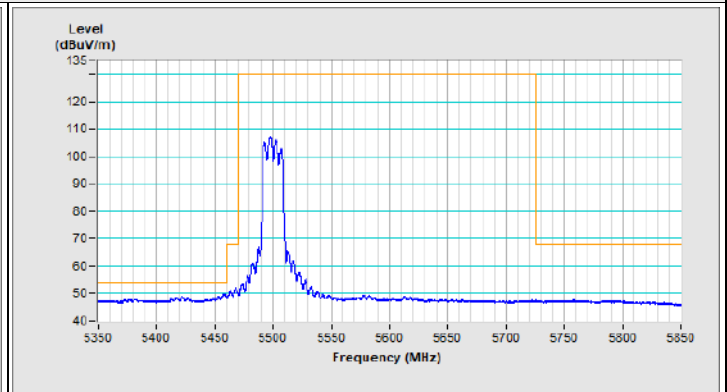
Vertical (Average)

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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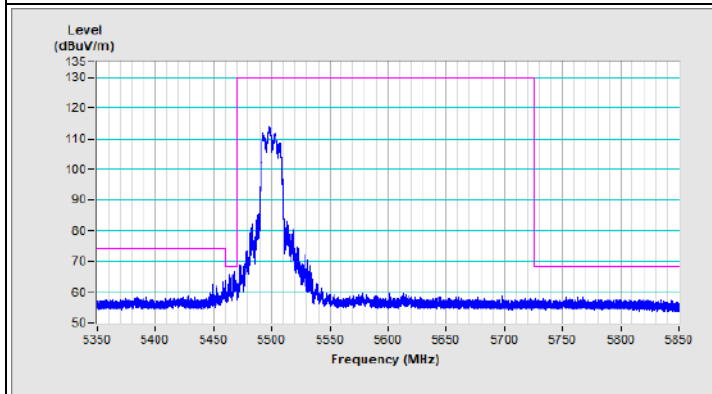
802.11a Channel 100



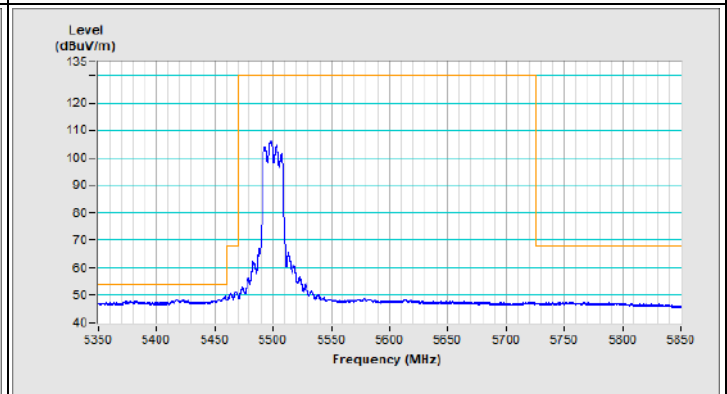
Horizontal (Peak)



Horizontal (Average)

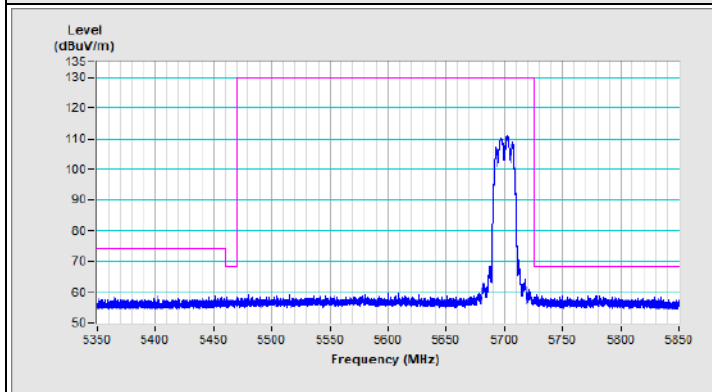


Vertical (Peak)

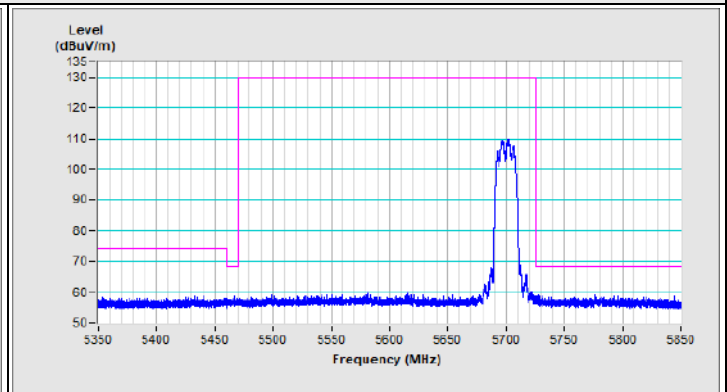


Vertical (Average)

802.11a Channel 140



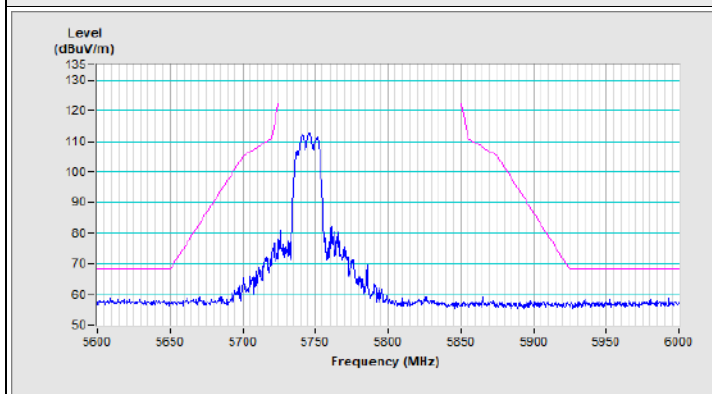
Horizontal (Peak)



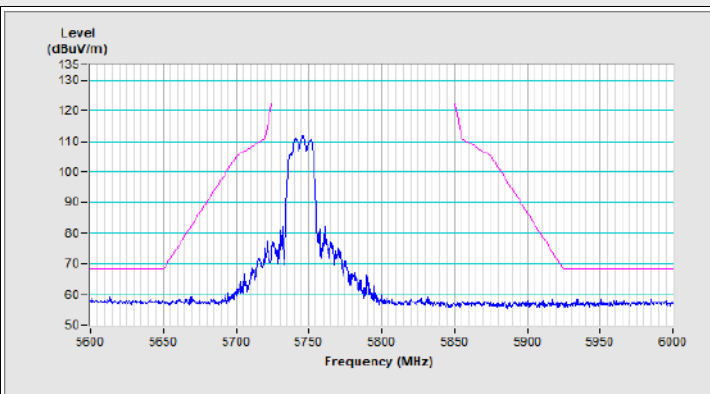
Vertical (Peak)

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

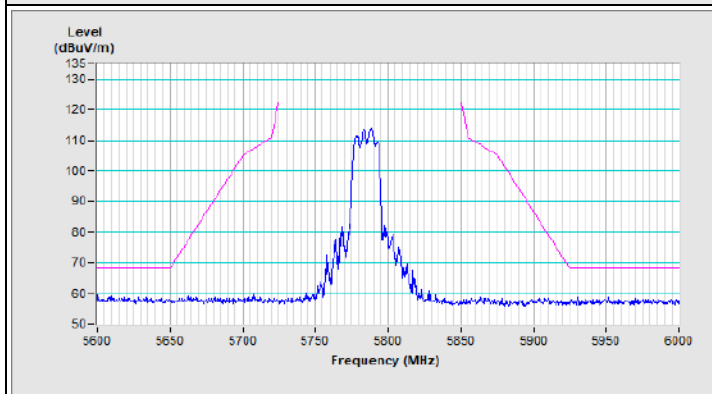


Horizontal (Peak)

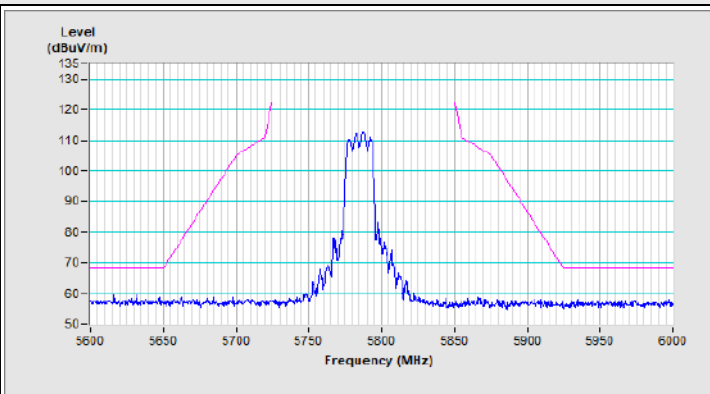


Vertical (Peak)

802.11a Channel 157

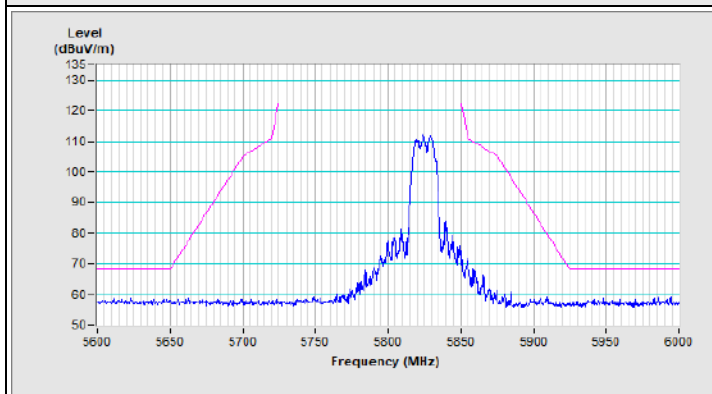


Horizontal (Peak)

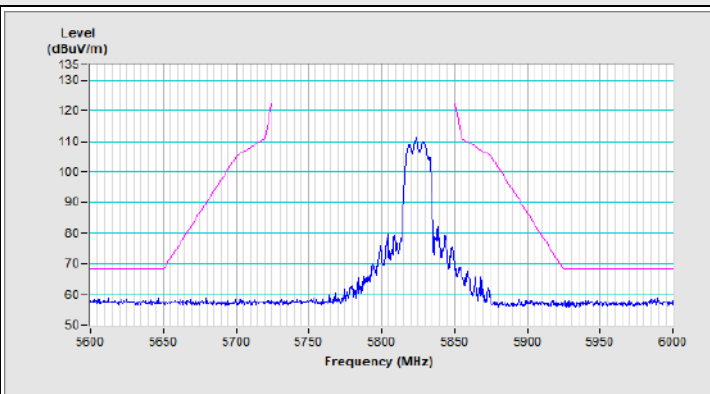


Vertical (Peak)

802.11a Channel 165

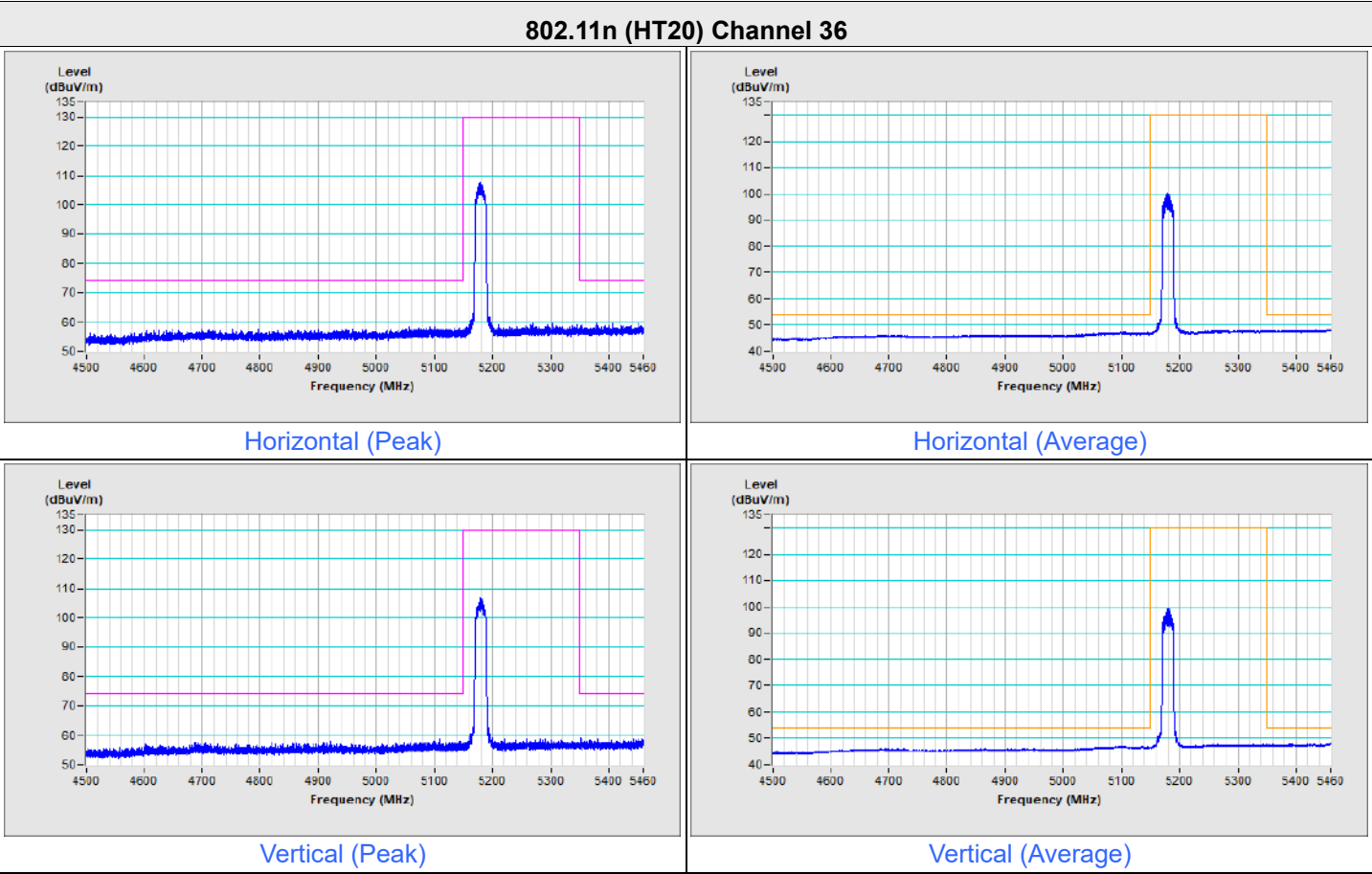


Horizontal (Peak)

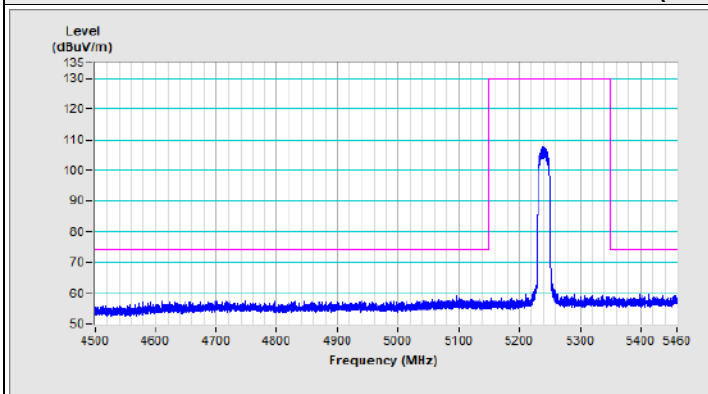


Vertical (Peak)

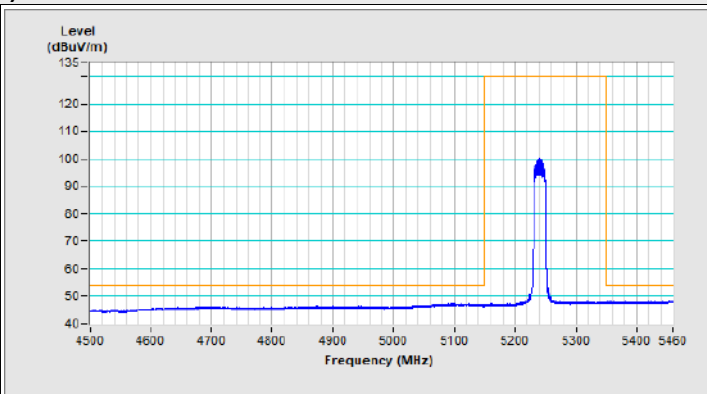
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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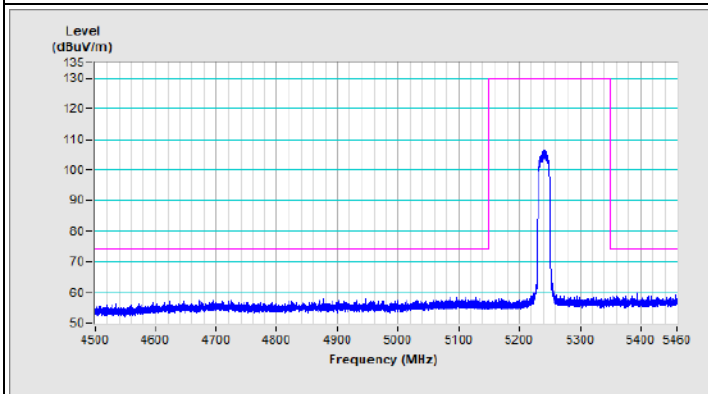
802.11n (HT20) Channel 48



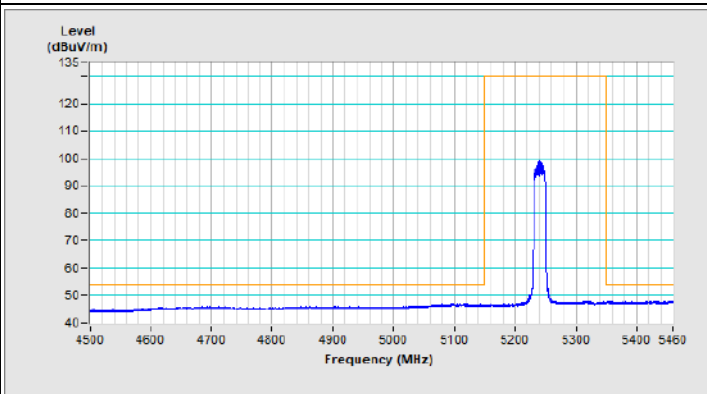
Horizontal (Peak)



Horizontal (Average)

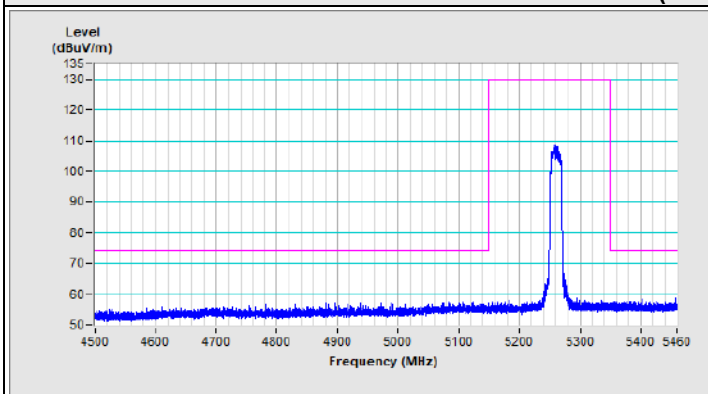


Vertical (Peak)

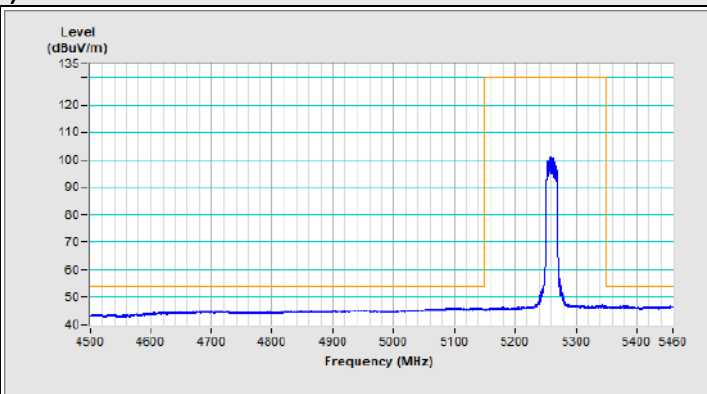


Vertical (Average)

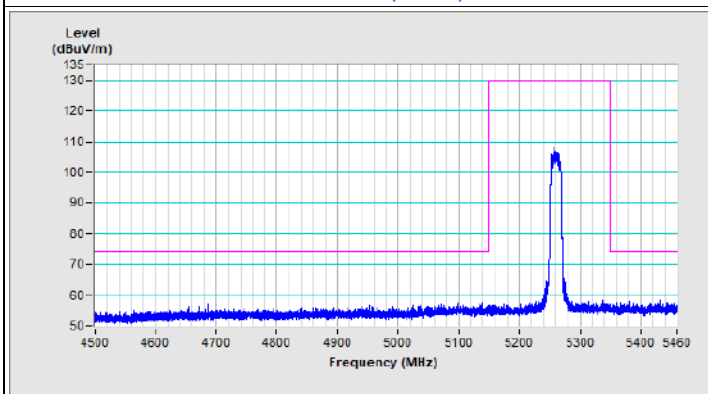
802.11n (HT20) Channel 52



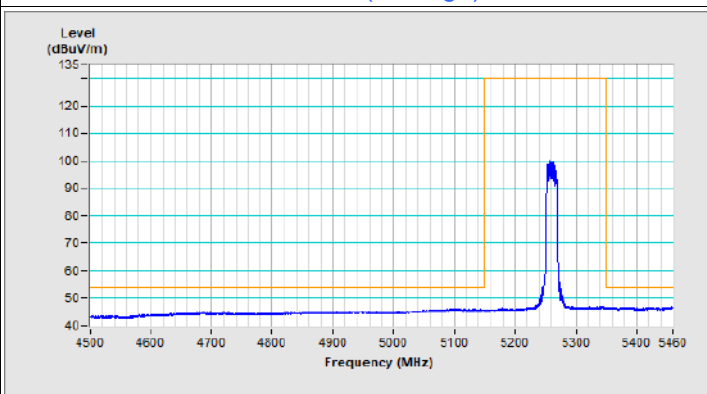
Horizontal (Peak)



Horizontal (Average)

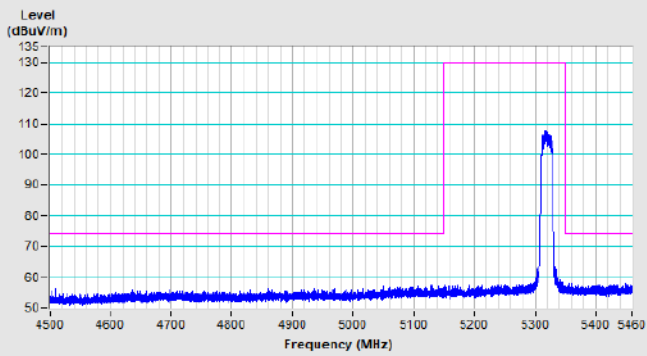


Vertical (Peak)

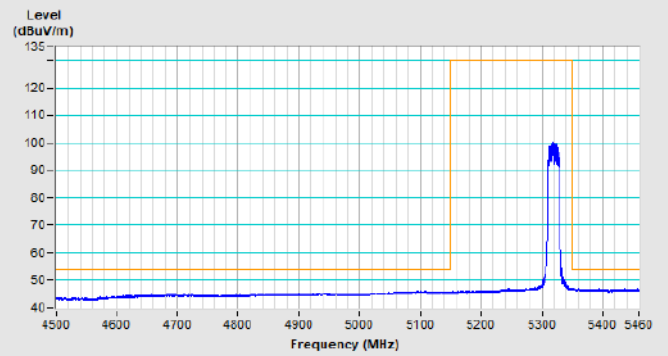


Vertical (Average)

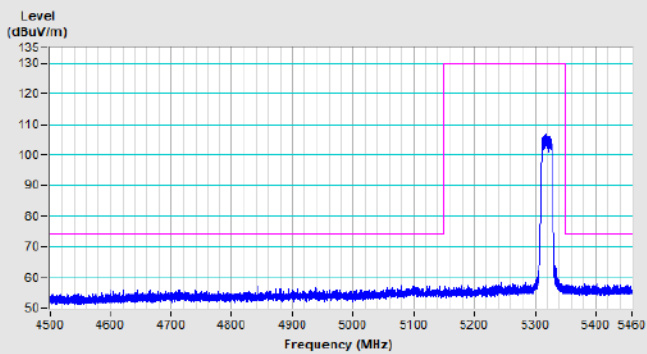
802.11n (HT20) Channel 64



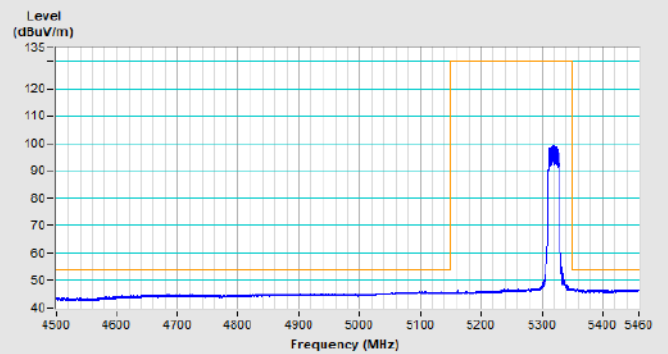
Horizontal (Peak)



Horizontal (Average)



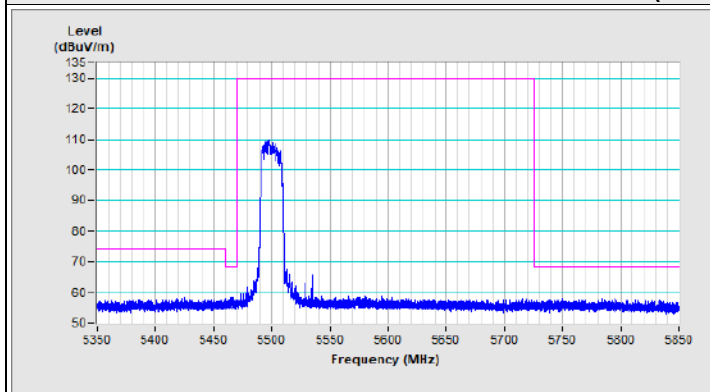
Vertical (Peak)



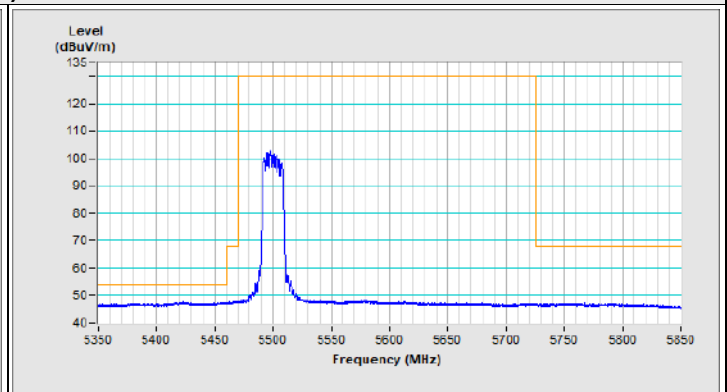
Vertical (Average)

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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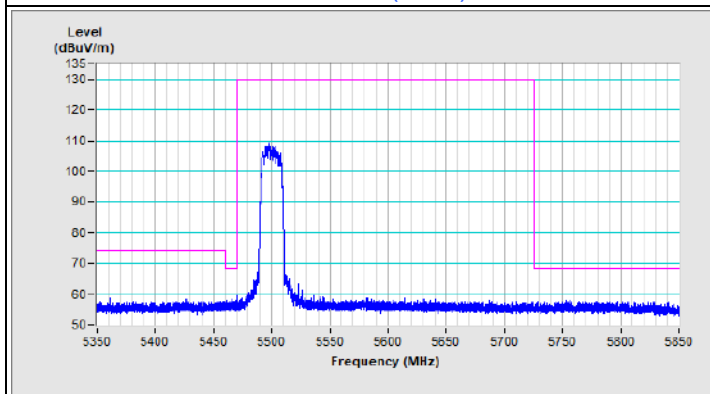
802.11n (HT20) Channel 100



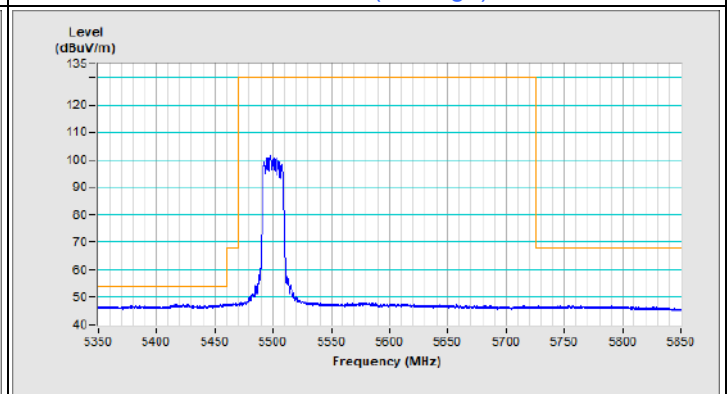
Horizontal (Peak)



Horizontal (Average)

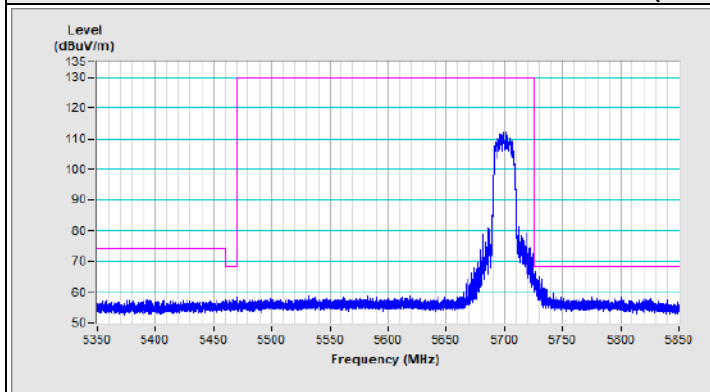


Vertical (Peak)

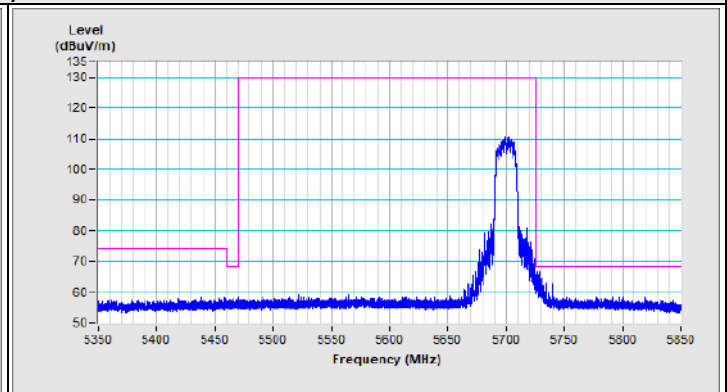


Vertical (Average)

802.11n (HT20) Channel 140



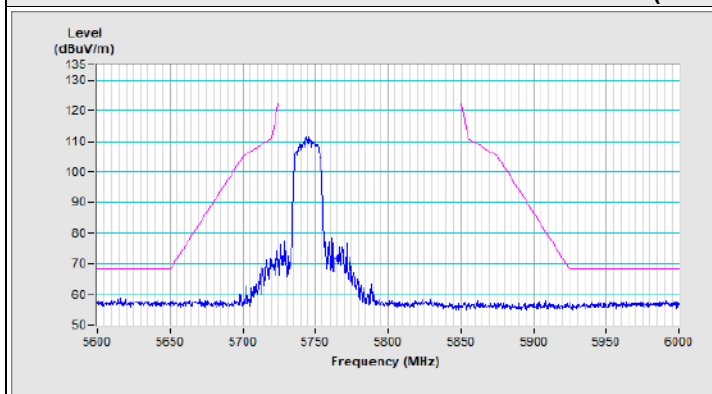
Horizontal (Peak)



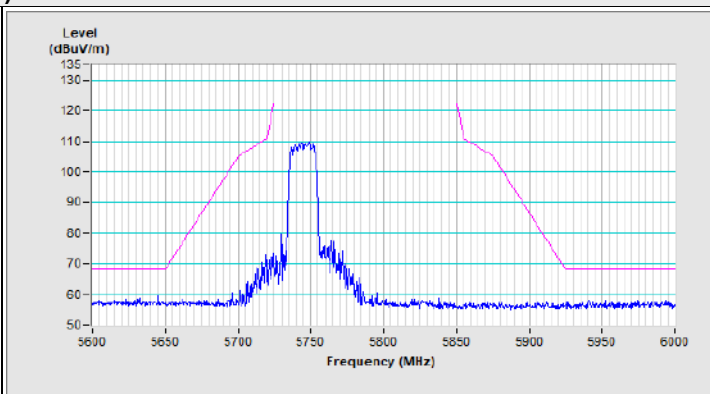
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11n (HT20) Channel 149

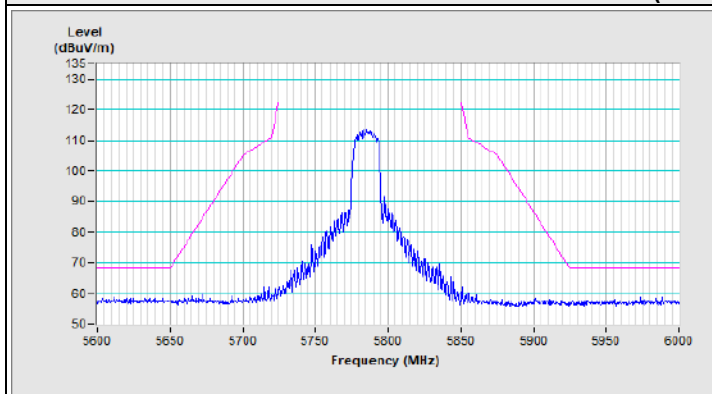


Horizontal (Peak)

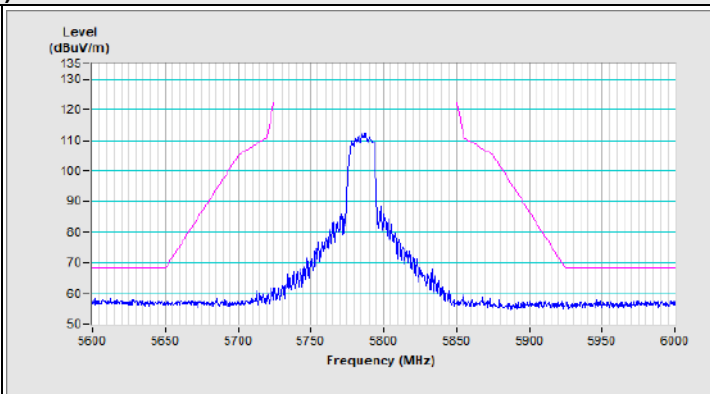


Vertical (Peak)

802.11n (HT20) Channel 157

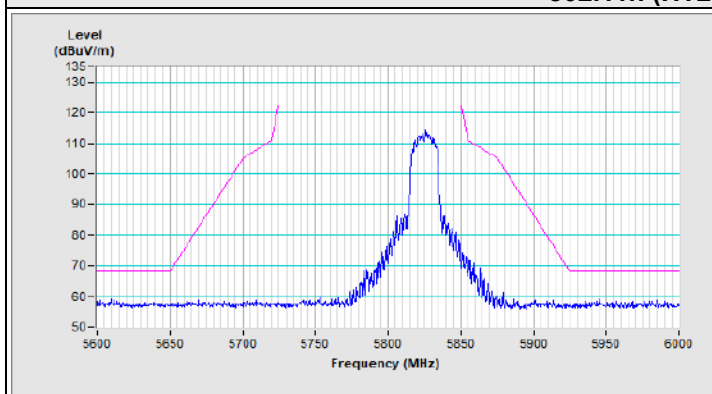


Horizontal (Peak)

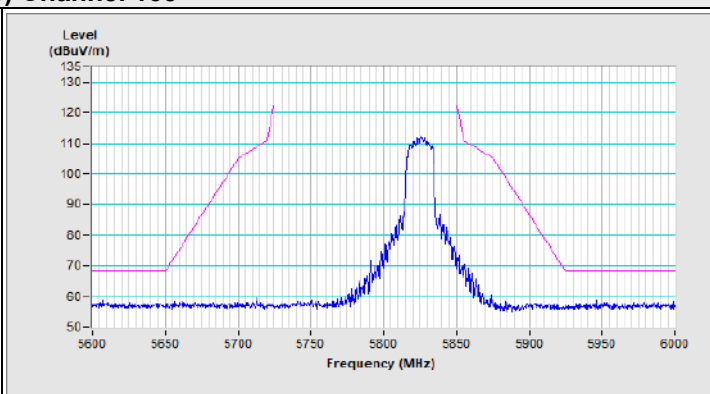


Vertical (Peak)

802.11n (HT20) Channel 165



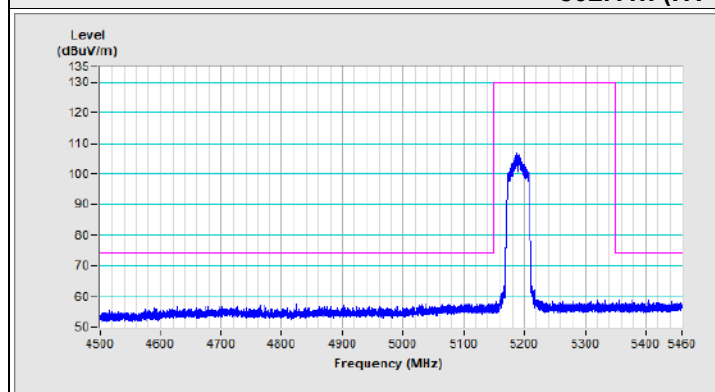
Horizontal (Peak)



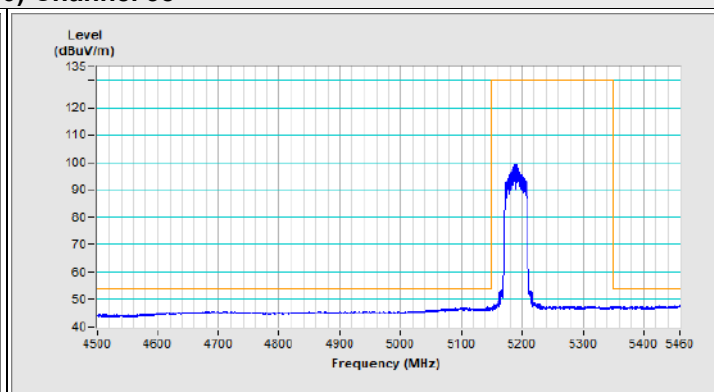
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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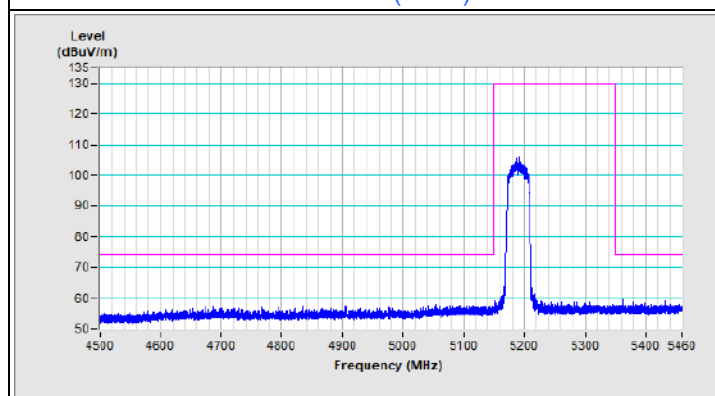
802.11n (HT40) Channel 38



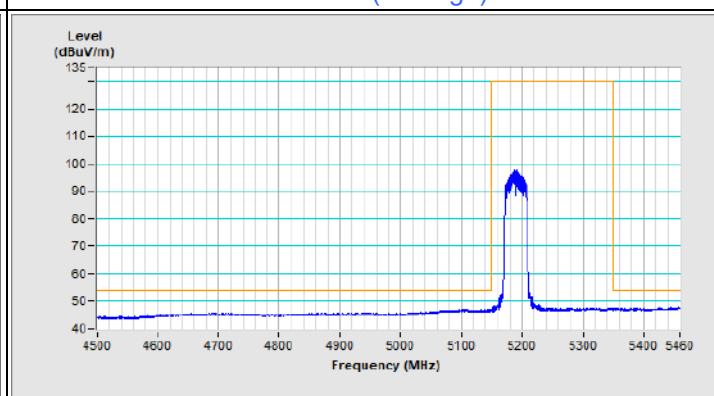
Horizontal (Peak)



Horizontal (Average)

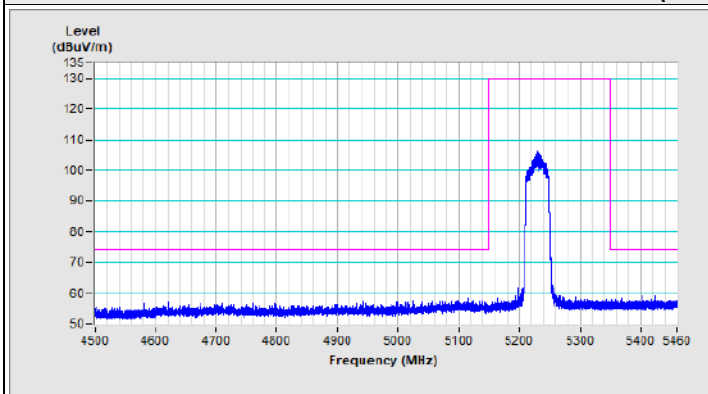


Vertical (Peak)

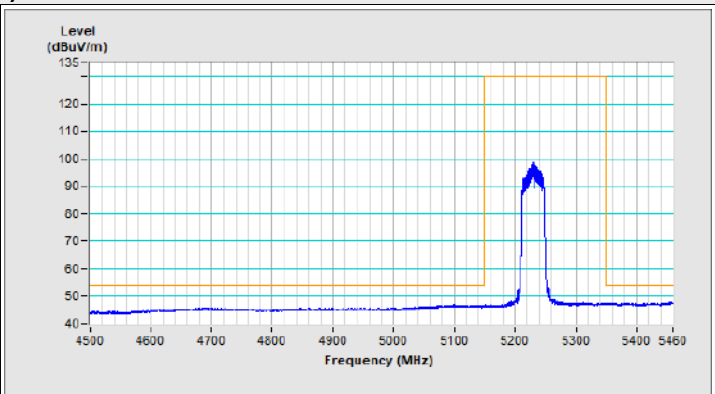


Vertical (Average)

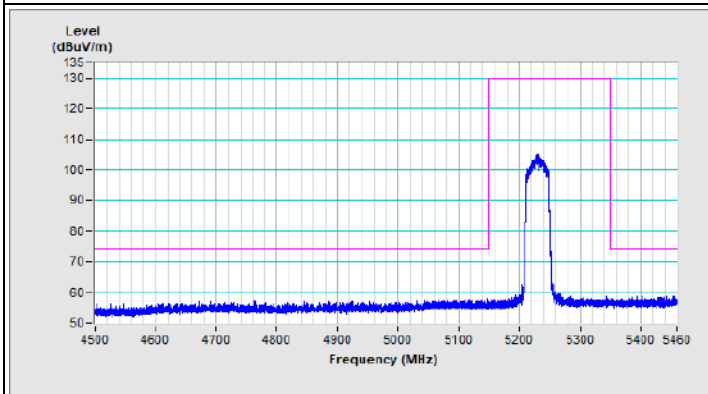
802.11n (HT40) Channel 46



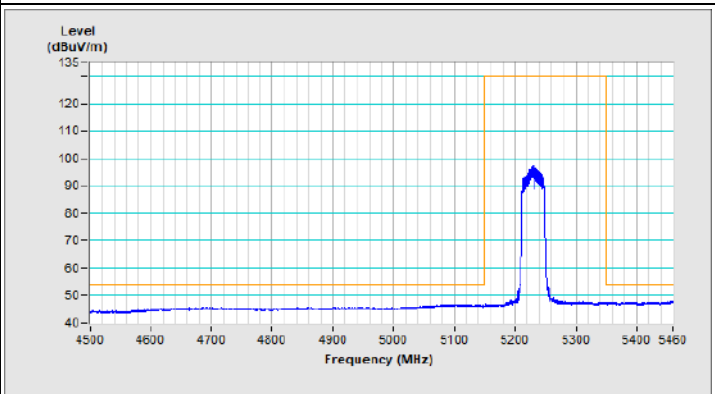
Horizontal (Peak)



Horizontal (Average)

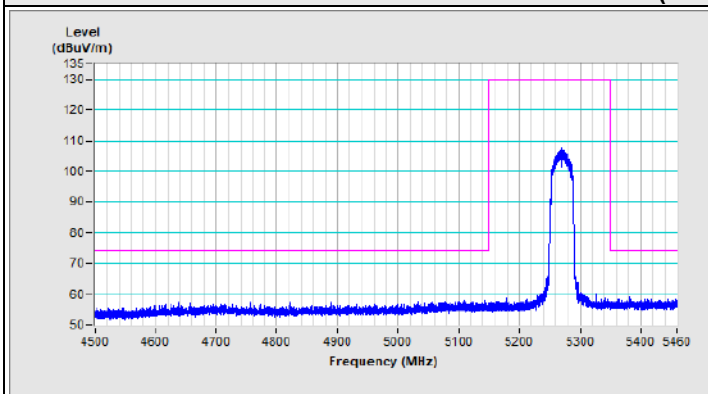


Vertical (Peak)

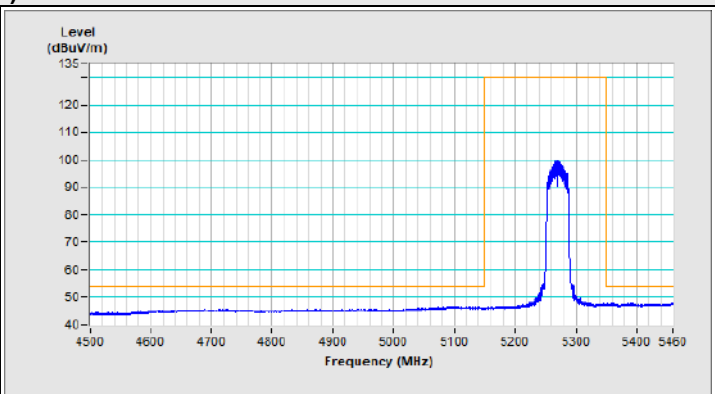


Vertical (Average)

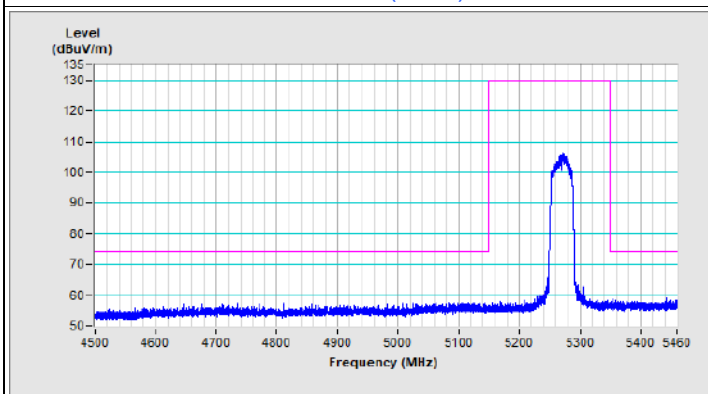
802.11n (HT40) Channel 54



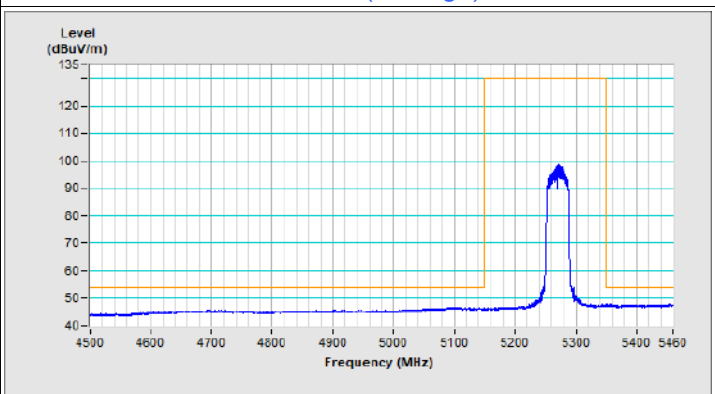
Horizontal (Peak)



Horizontal (Average)

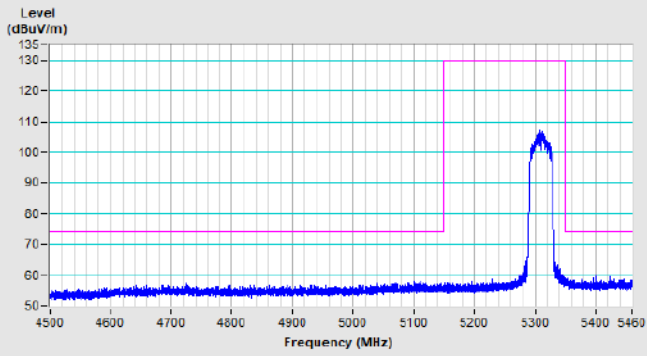


Vertical (Peak)

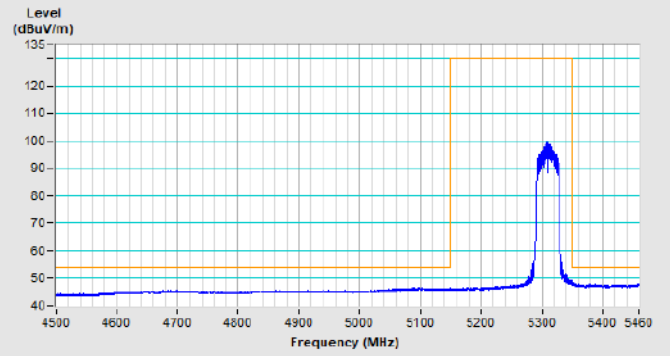


Vertical (Average)

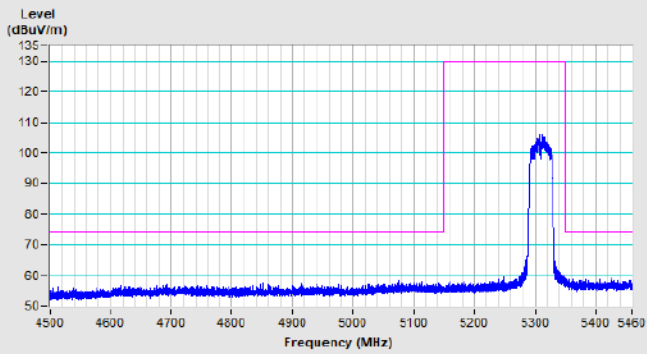
802.11n (HT40) Channel 62



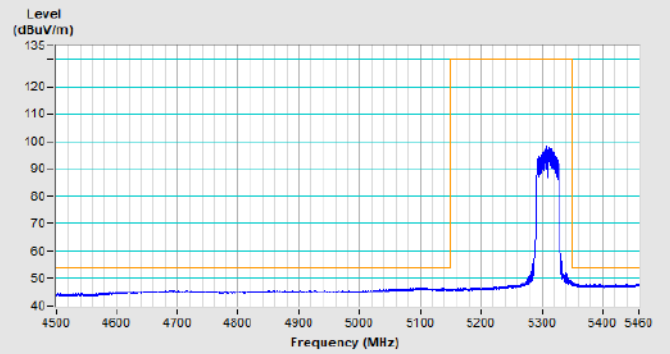
Horizontal (Peak)



Horizontal (Average)



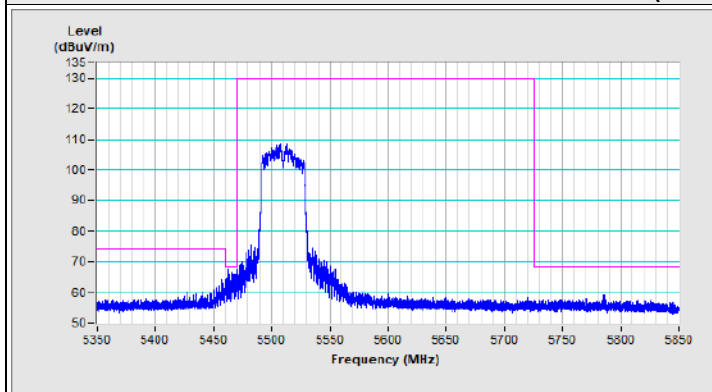
Vertical (Peak)



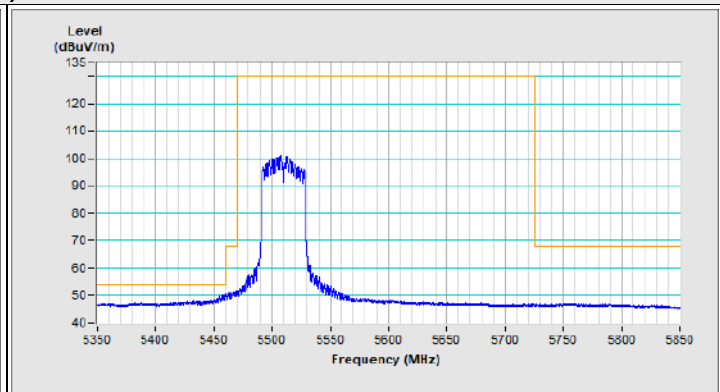
Vertical (Average)

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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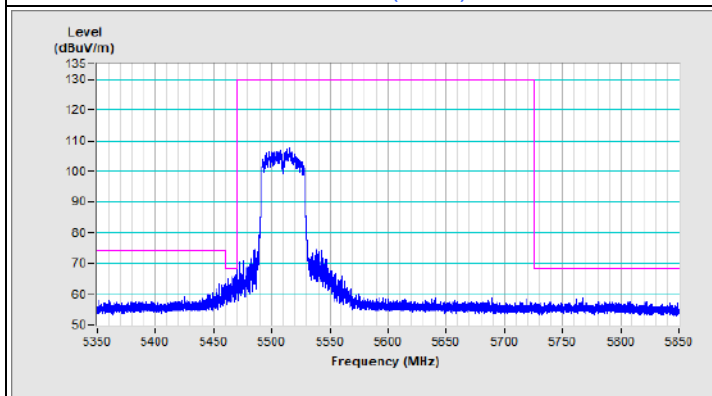
802.11n (HT40) Channel 102



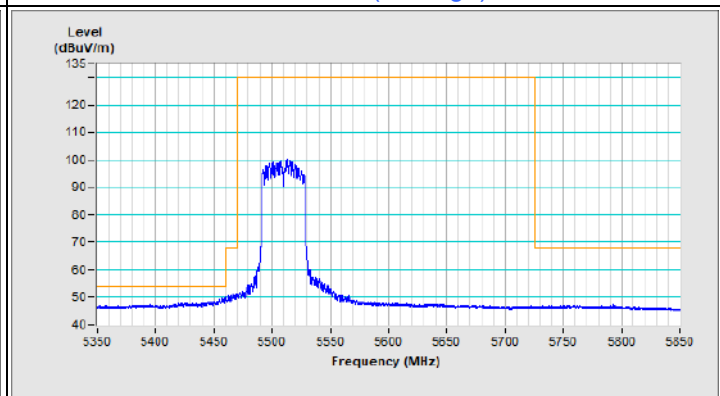
Horizontal (Peak)



Horizontal (Average)

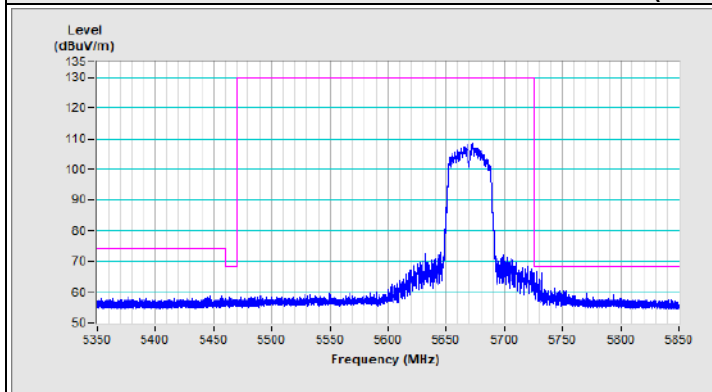


Vertical (Peak)

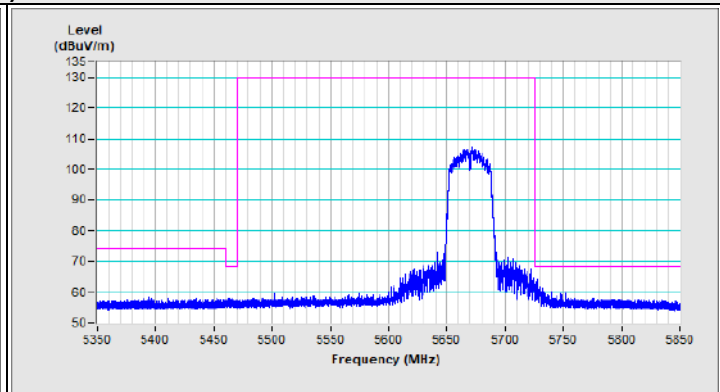


Vertical (Average)

802.11n (HT40) Channel 134



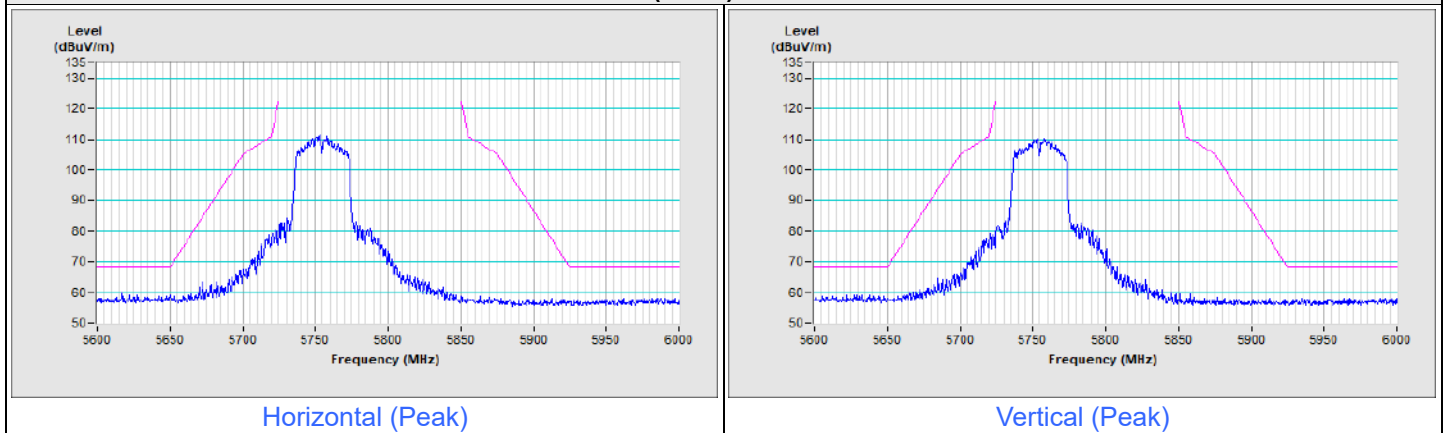
Horizontal (Peak)



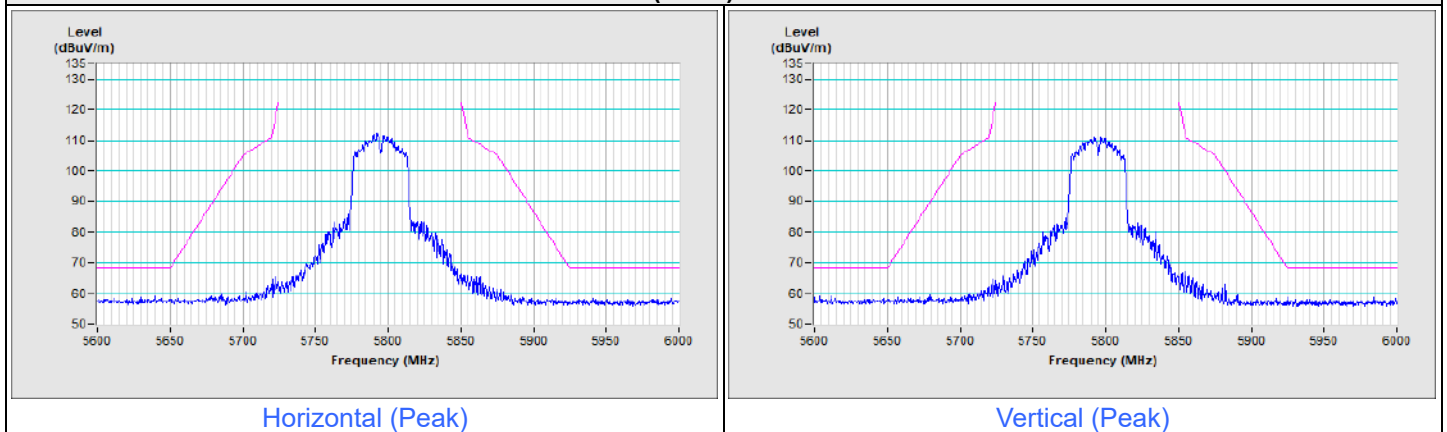
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11n (HT40) Channel 151

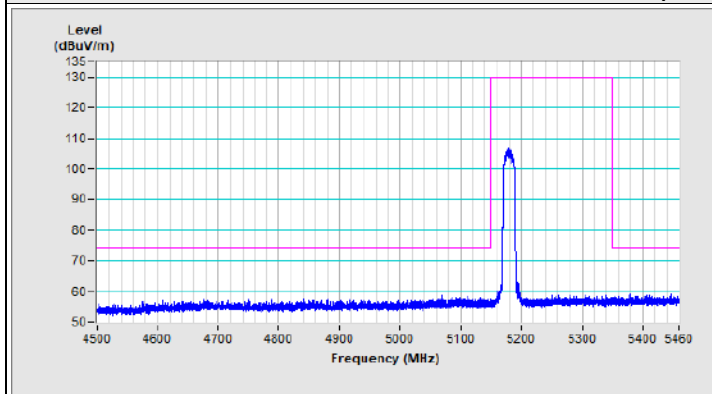


802.11n (HT40) Channel 159

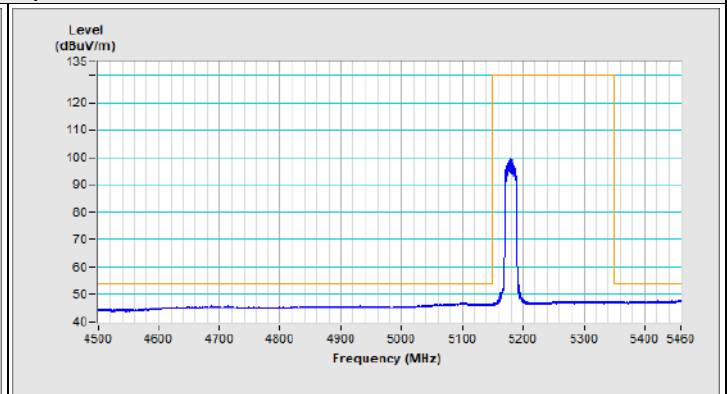


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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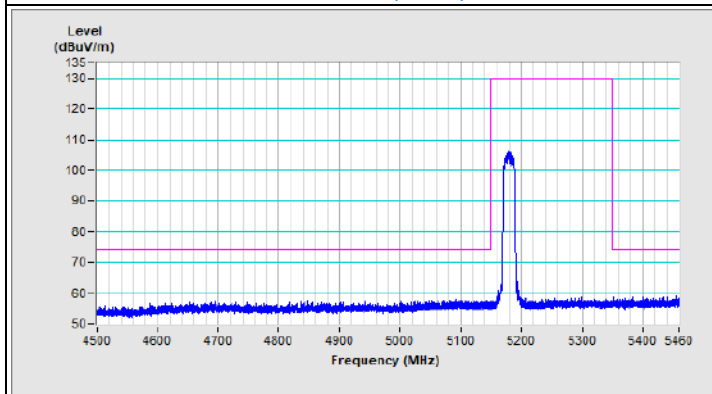
802.11ac (VHT20) Channel 36



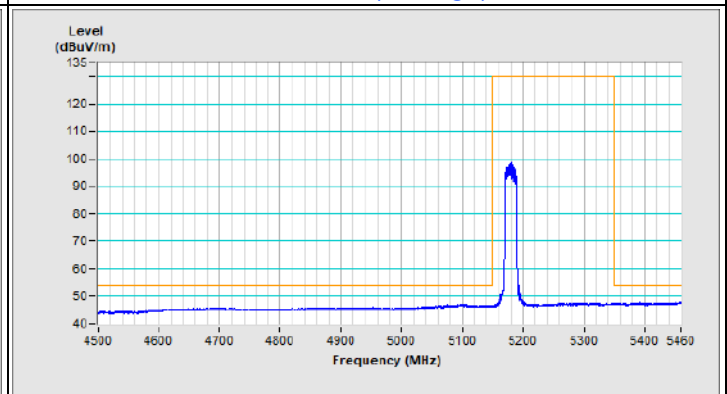
Horizontal (Peak)



Horizontal (Average)

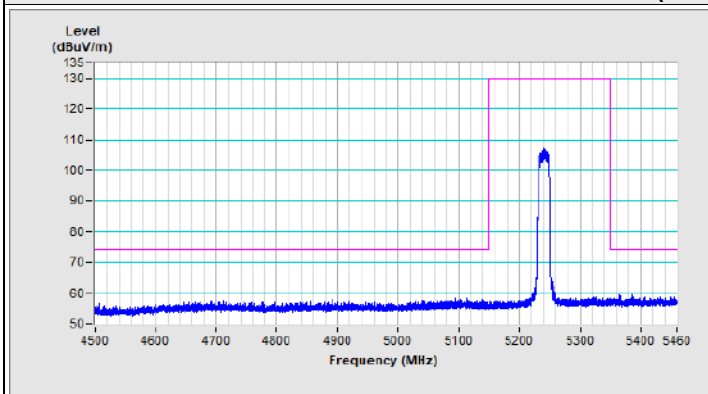


Vertical (Peak)

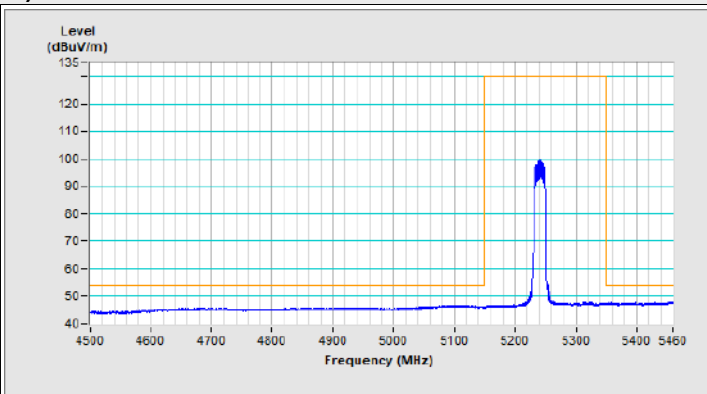


Vertical (Average)

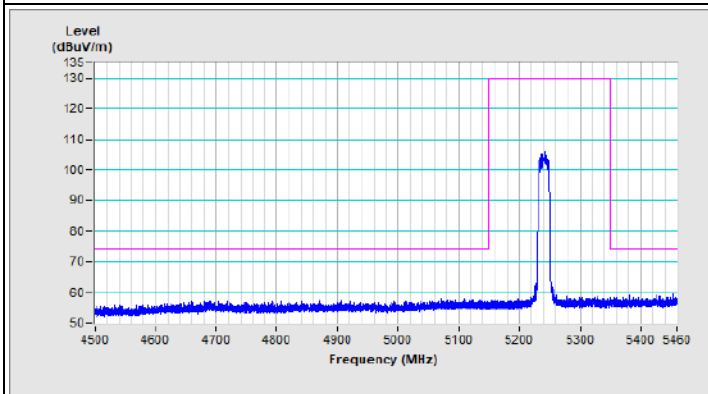
802.11ac (VHT20) Channel 48



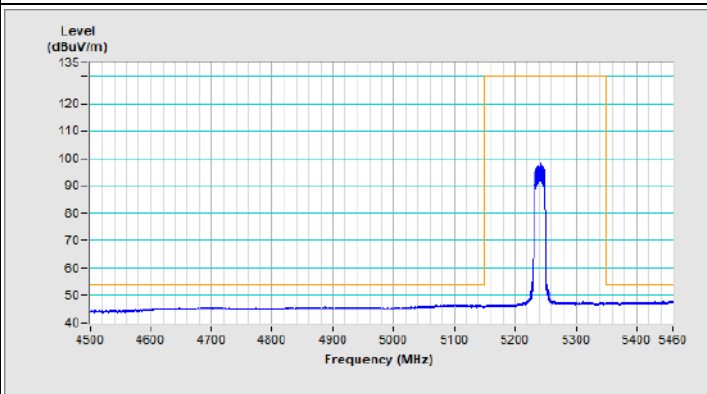
Horizontal (Peak)



Horizontal (Average)

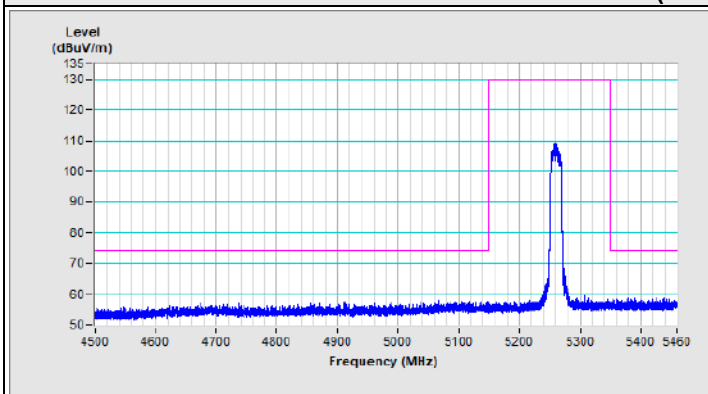


Vertical (Peak)

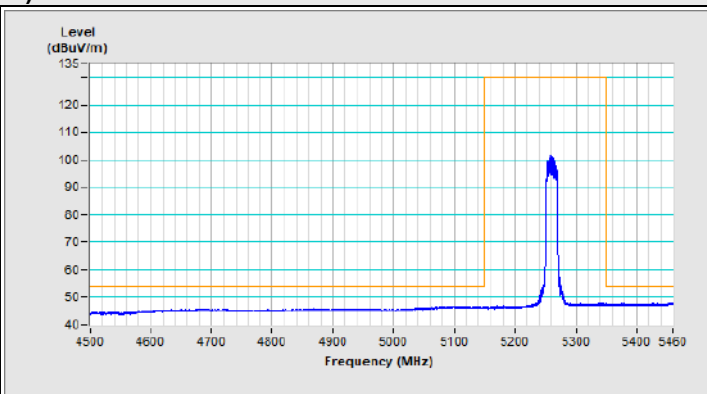


Vertical (Average)

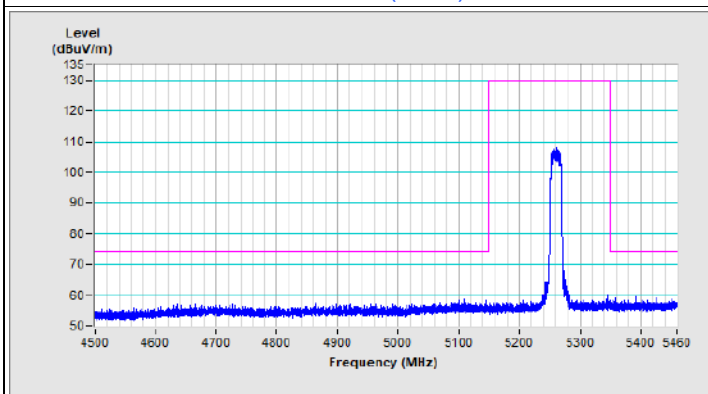
802.11ac (VHT20) Channel 52



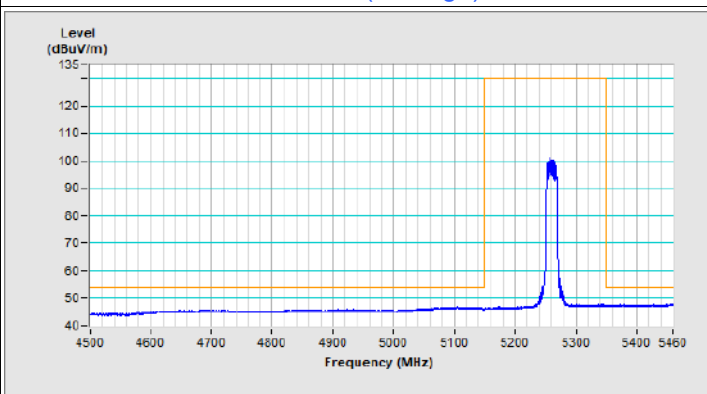
Horizontal (Peak)



Horizontal (Average)

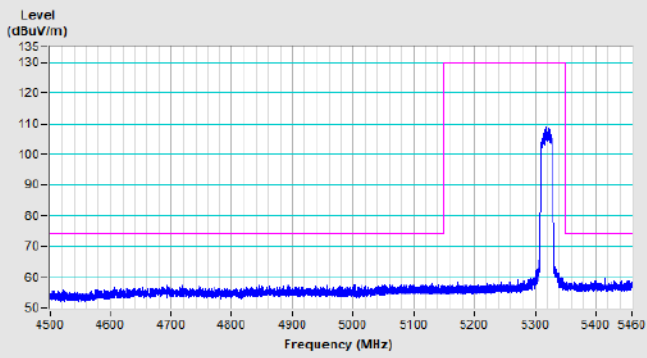


Vertical (Peak)

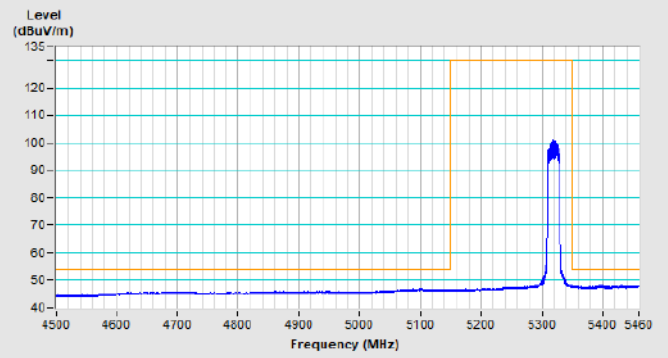


Vertical (Average)

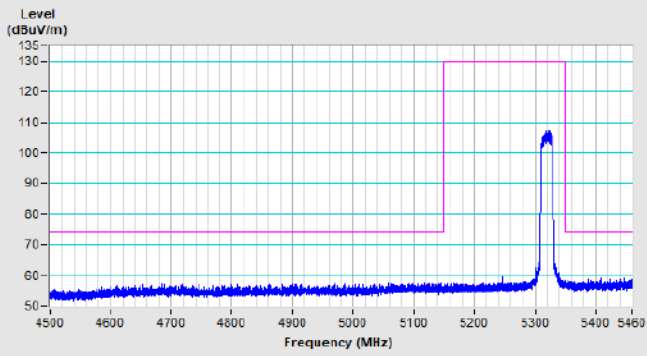
802.11ac (VHT20) Channel 64



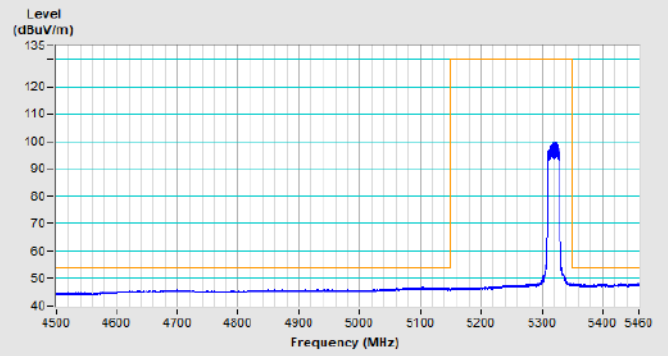
Horizontal (Peak)



Horizontal (Average)



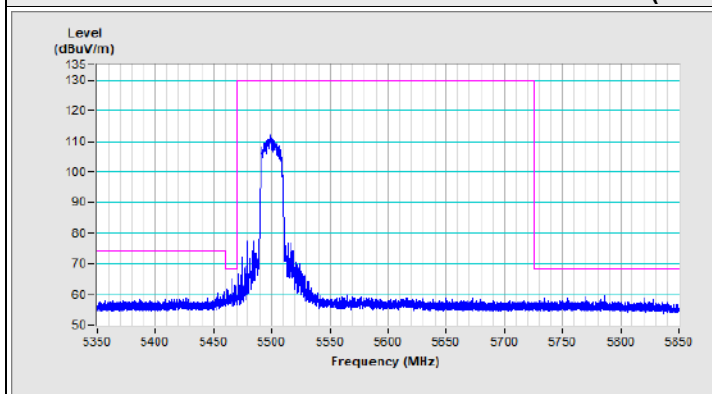
Vertical (Peak)



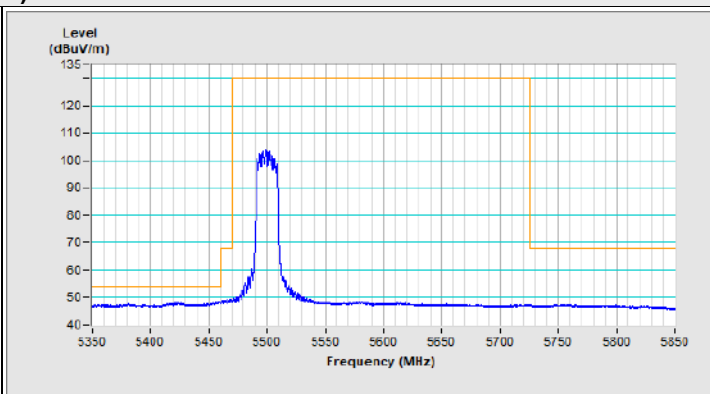
Vertical (Average)

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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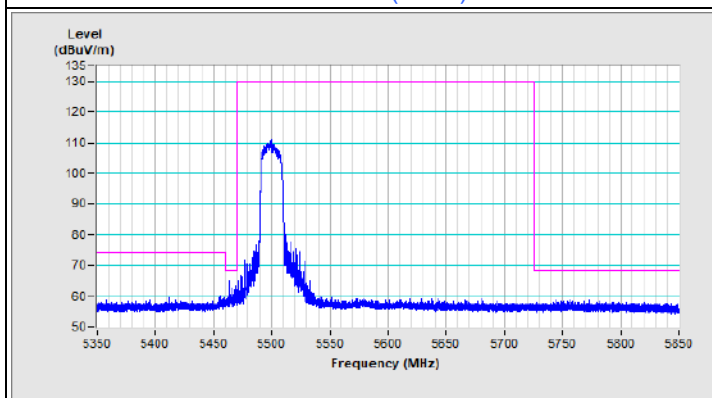
802.11ac (VHT20) Channel 100



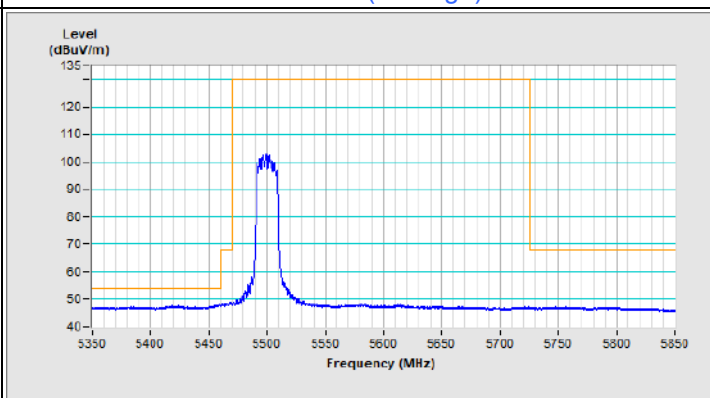
Horizontal (Peak)



Horizontal (Average)

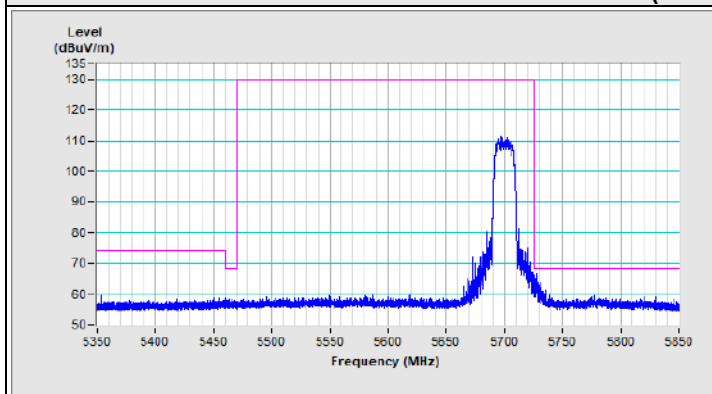


Vertical (Peak)

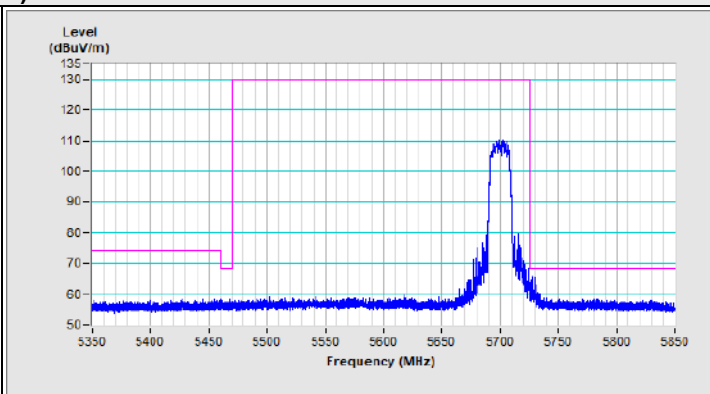


Vertical (Average)

802.11ac (VHT20) Channel 140



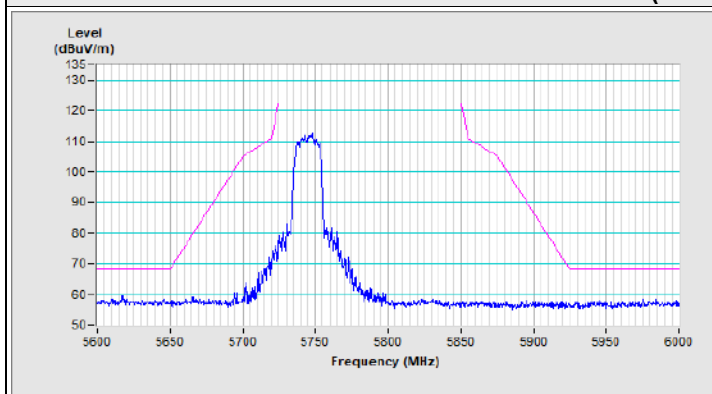
Horizontal (Peak)



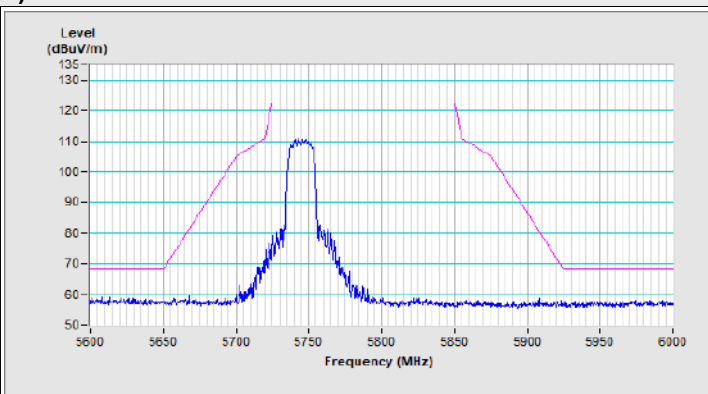
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ac (VHT20) Channel 149

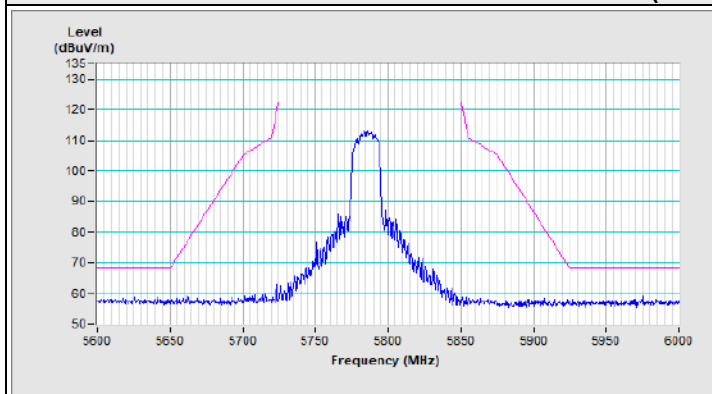


Horizontal (Peak)

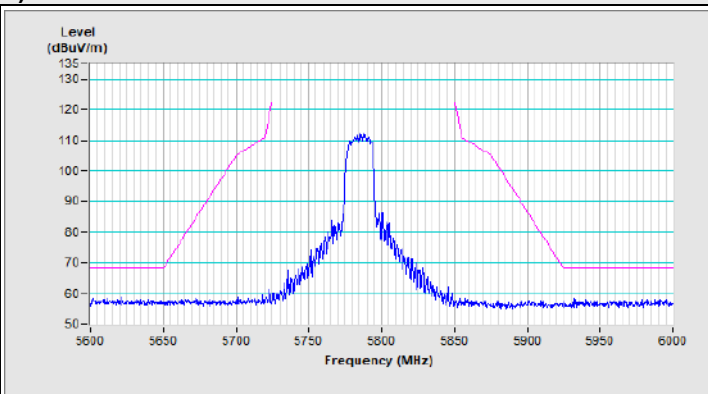


Vertical (Peak)

802.11ac (VHT20) Channel 157

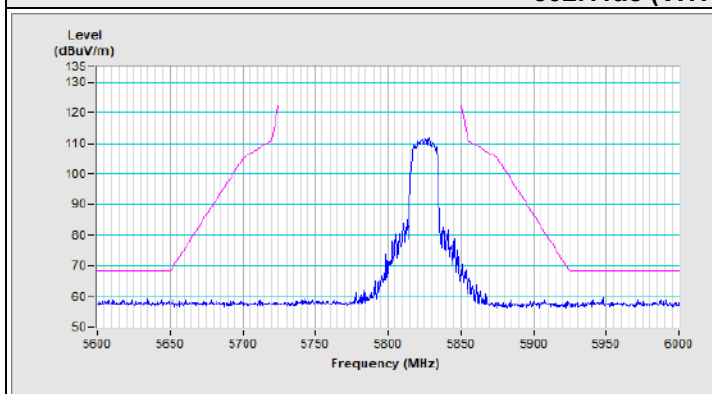


Horizontal (Peak)

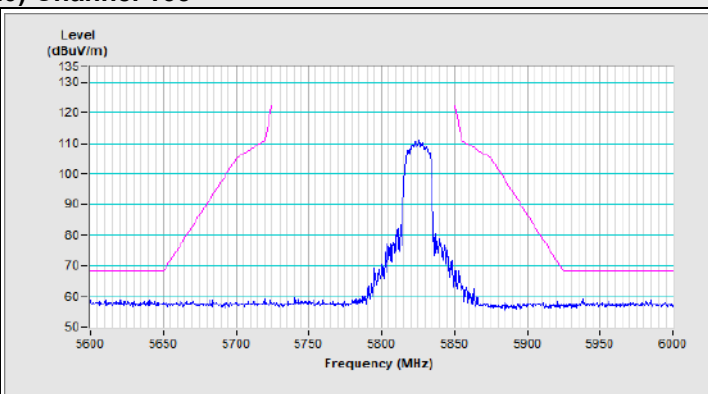


Vertical (Peak)

802.11ac (VHT20) Channel 165



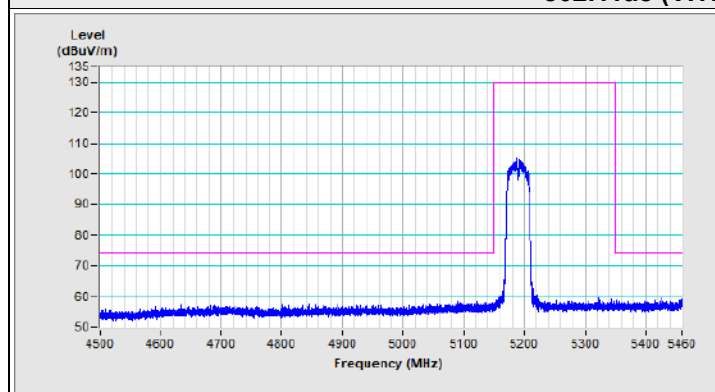
Horizontal (Peak)



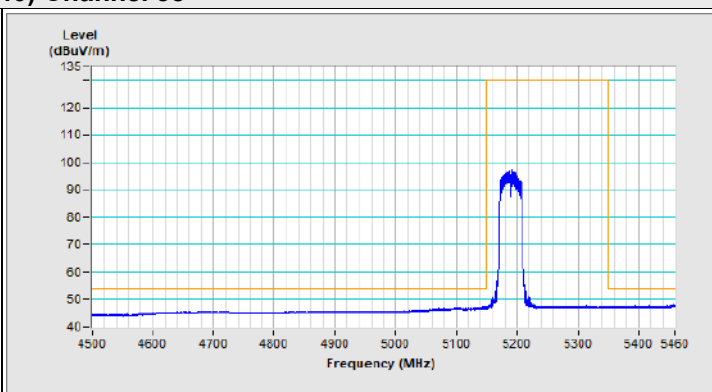
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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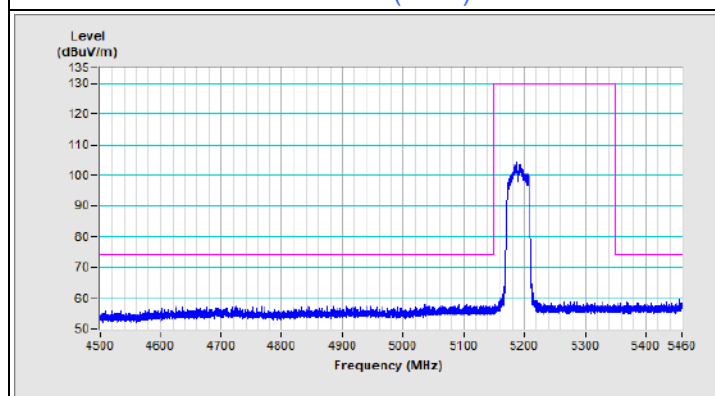
802.11ac (VHT40) Channel 38



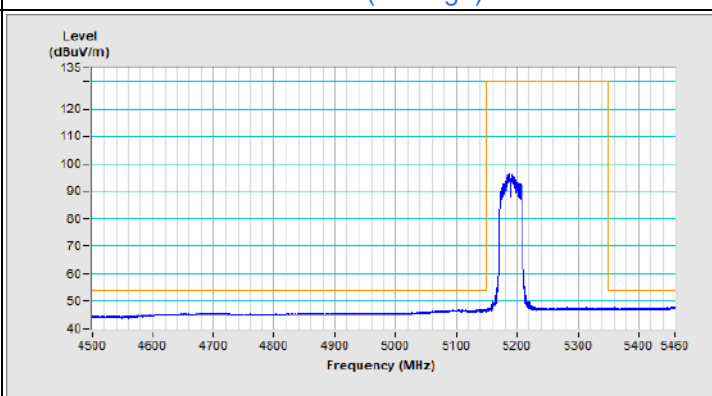
Horizontal (Peak)



Horizontal (Average)

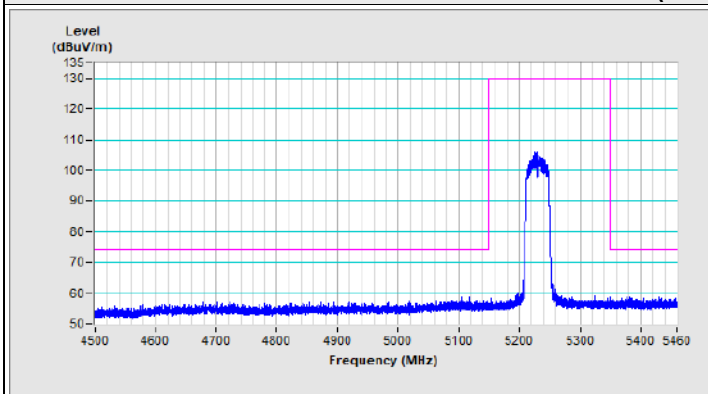


Vertical (Peak)

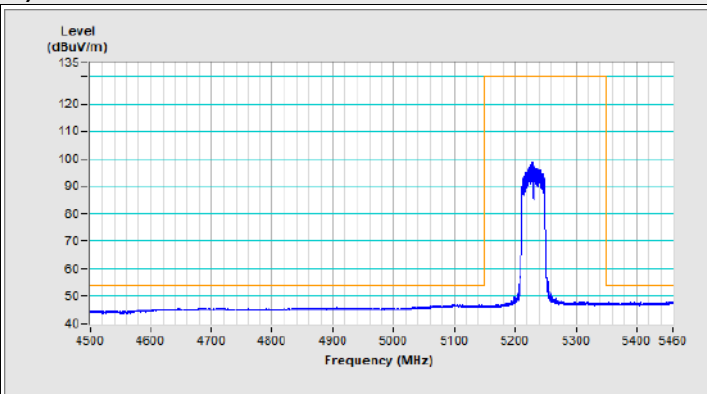


Vertical (Average)

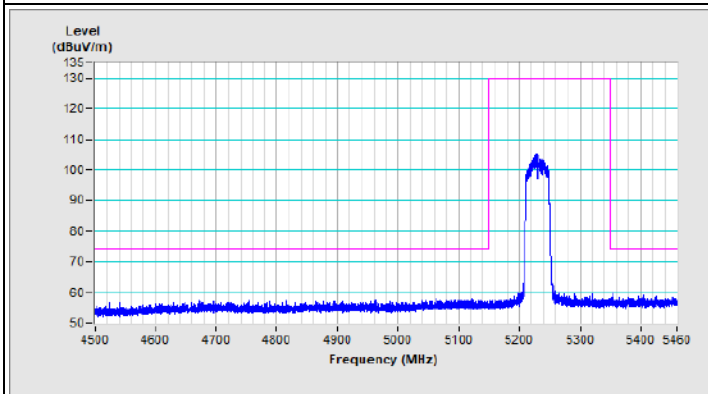
802.11ac (VHT40) Channel 46



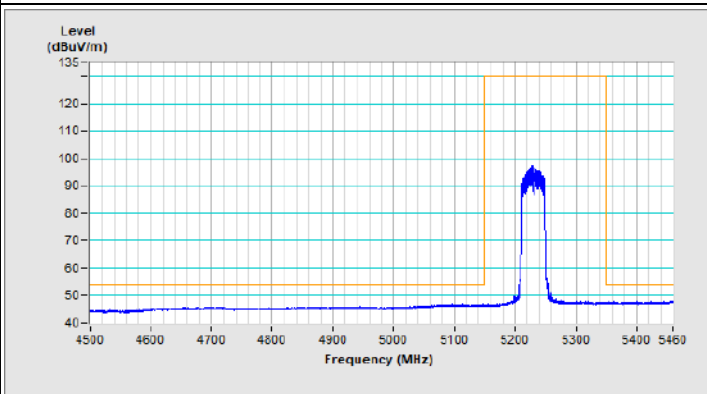
Horizontal (Peak)



Horizontal (Average)

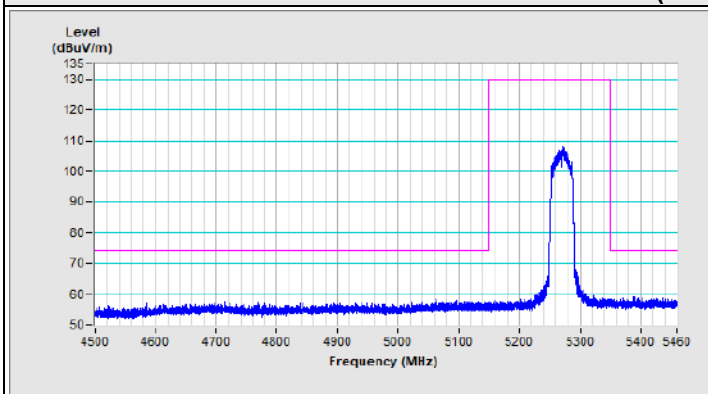


Vertical (Peak)

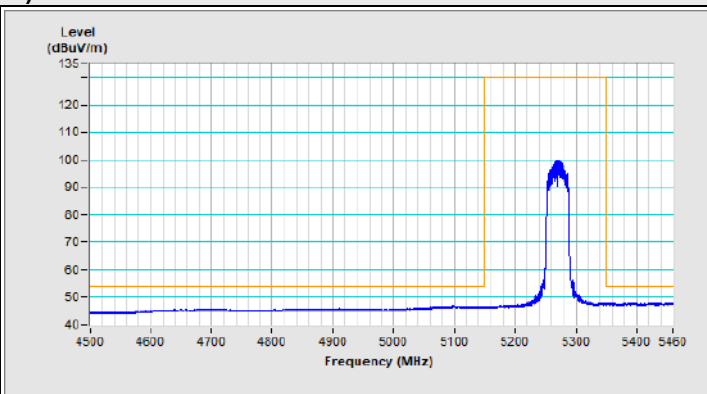


Vertical (Average)

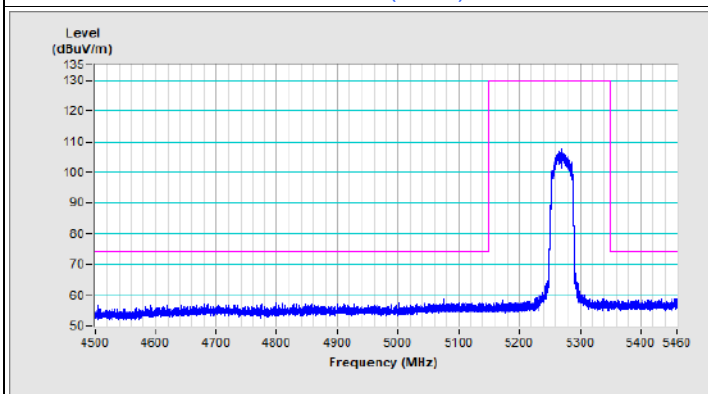
802.11ac (VHT40) Channel 54



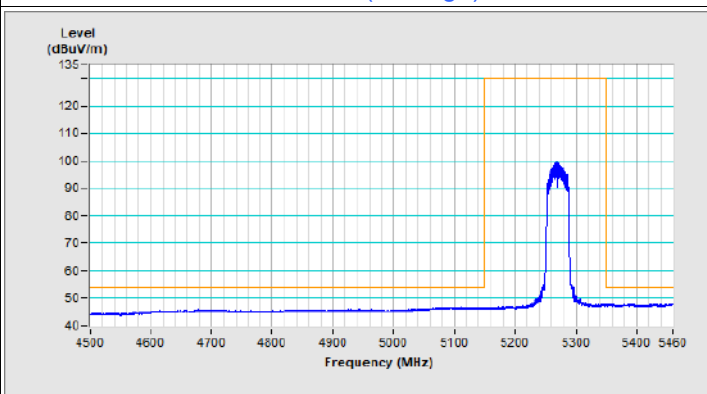
Horizontal (Peak)



Horizontal (Average)

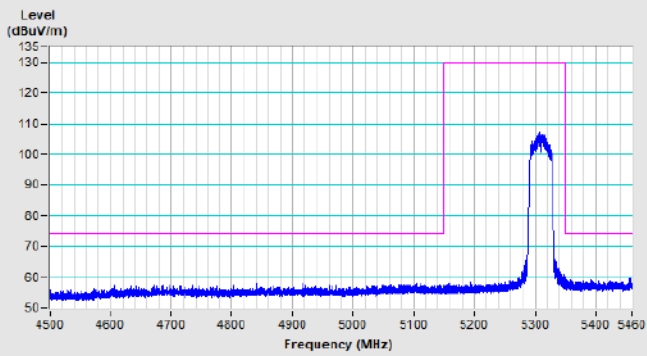


Vertical (Peak)

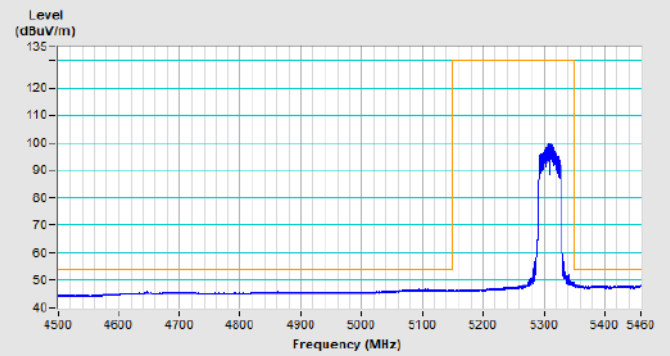


Vertical (Average)

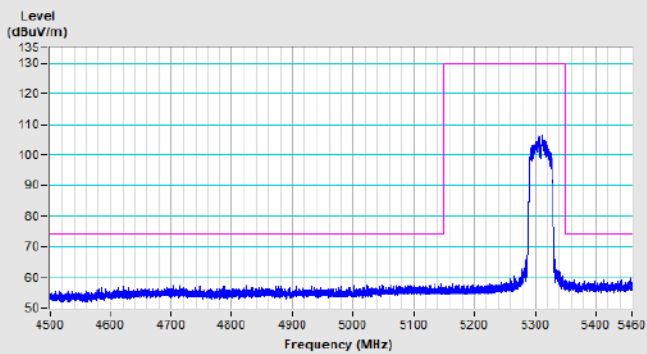
802.11ac (VHT40) Channel 62



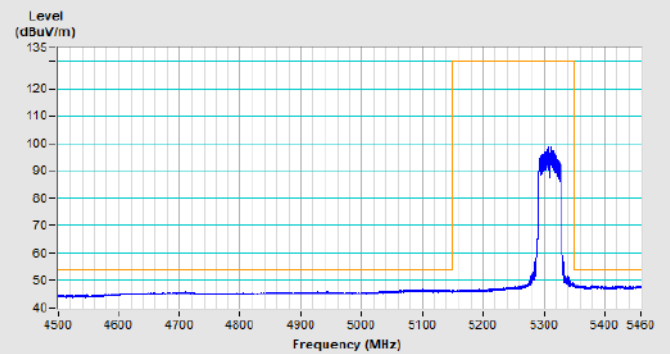
Horizontal (Peak)



Horizontal (Average)



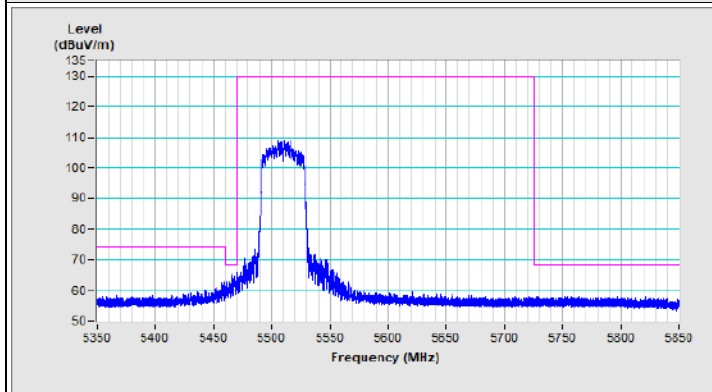
Vertical (Peak)



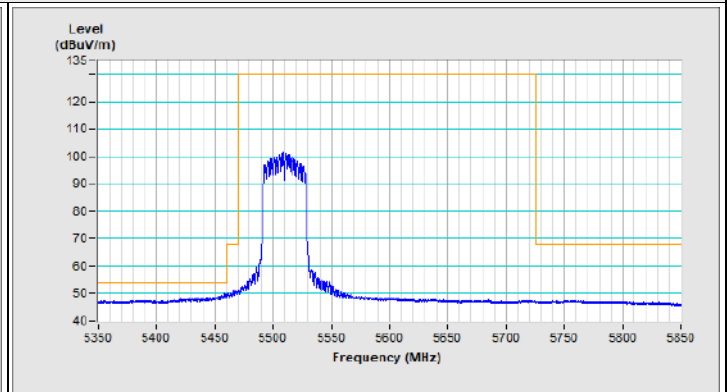
Vertical (Average)

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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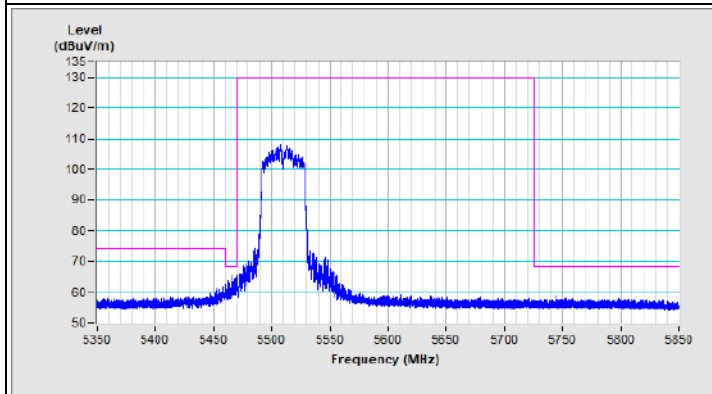
802.11ac (VHT40) Channel 102



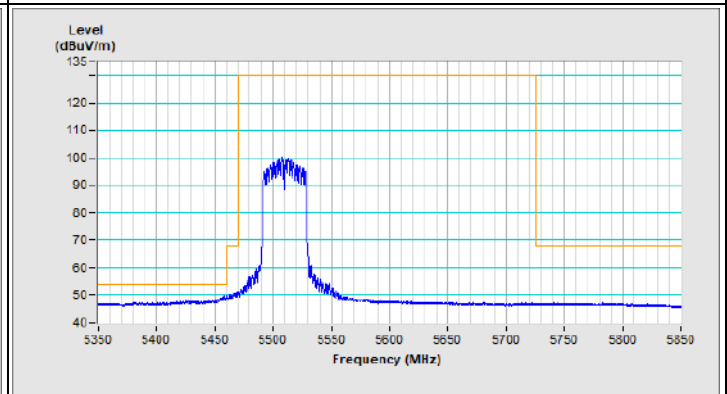
Horizontal (Peak)



Horizontal (Average)

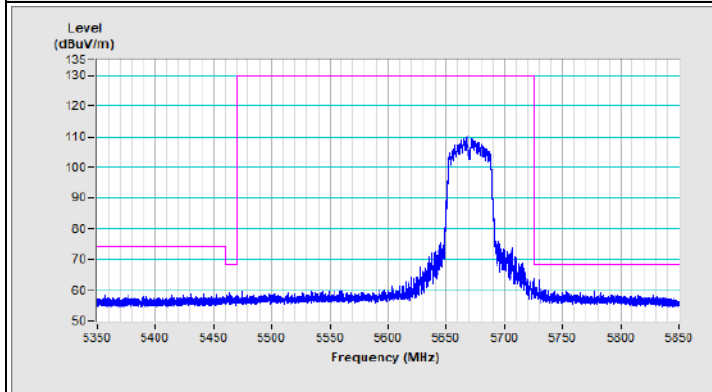


Vertical (Peak)

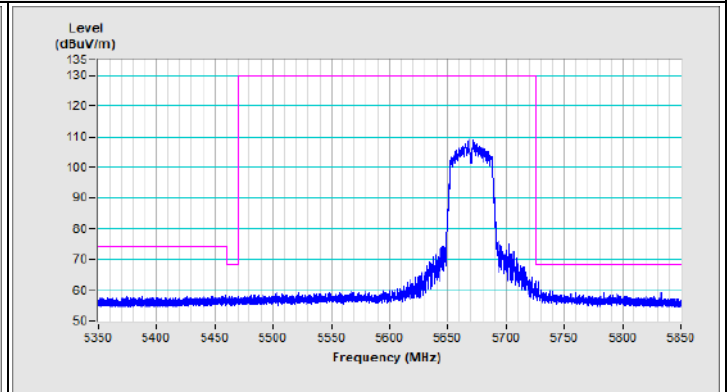


Vertical (Average)

802.11ac (VHT40) Channel 134



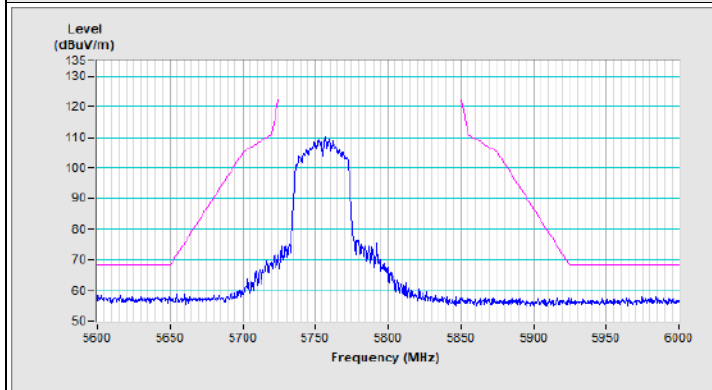
Horizontal (Peak)



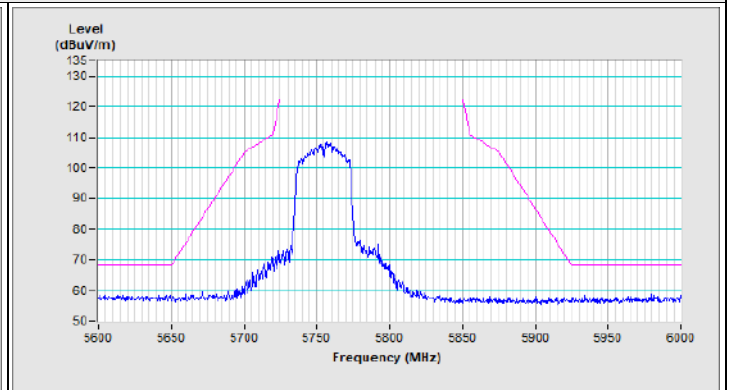
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ac (VHT40) Channel 151

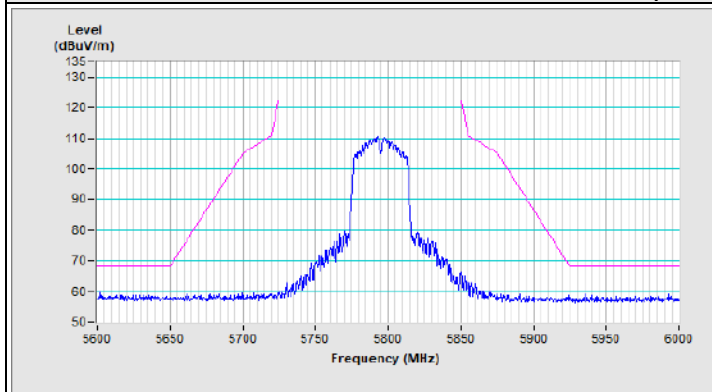


Horizontal (Peak)

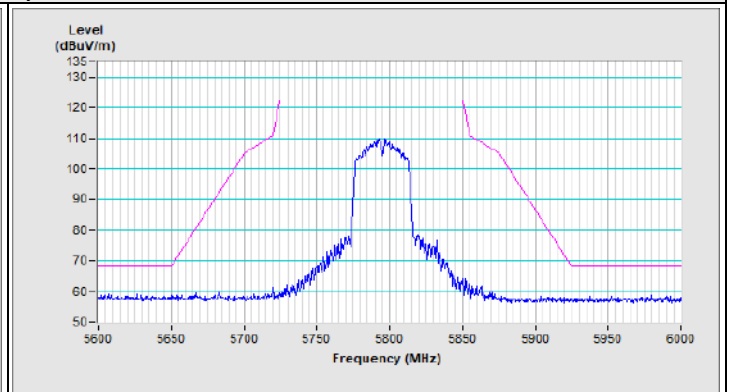


Vertical (Peak)

802.11ac (VHT40) Channel 159



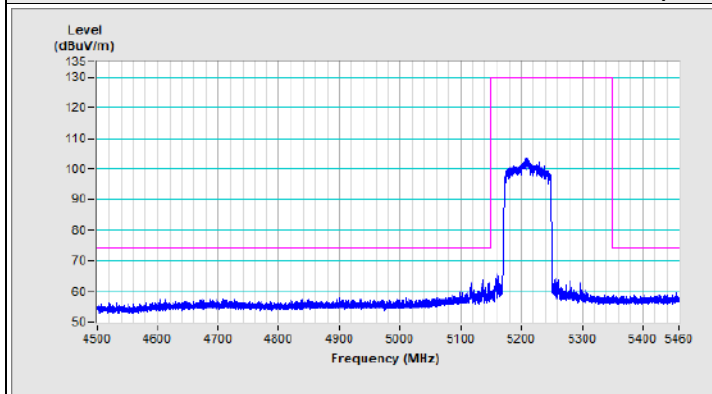
Horizontal (Peak)



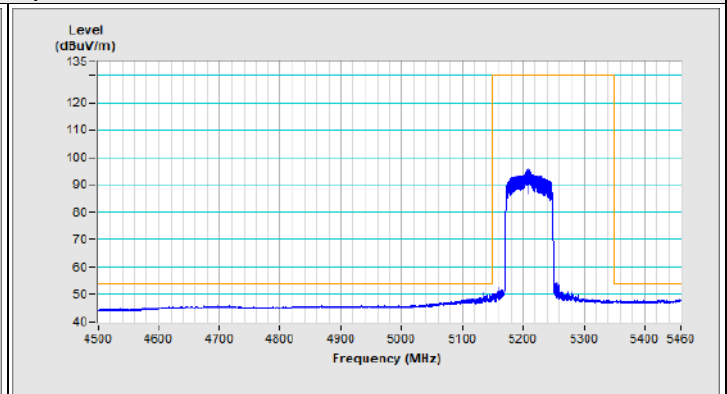
Vertical (Peak)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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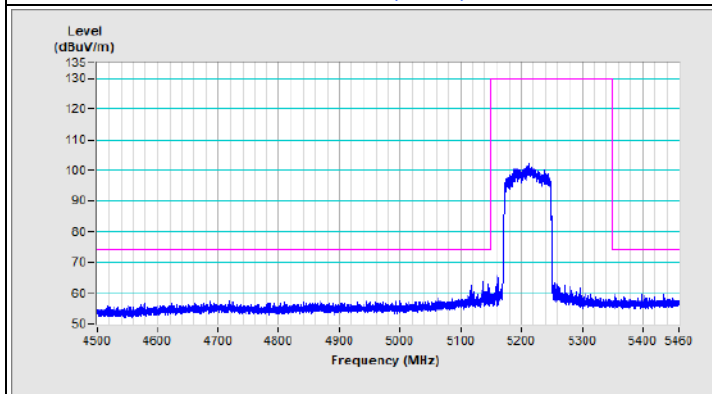
802.11ac (VHT80) Channel 42



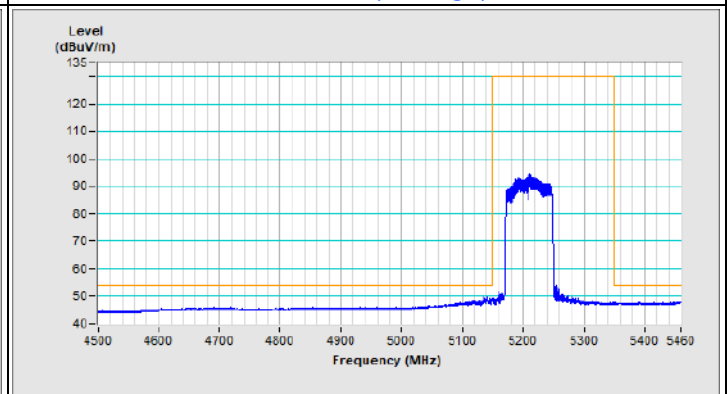
Horizontal (Peak)



Horizontal (Average)

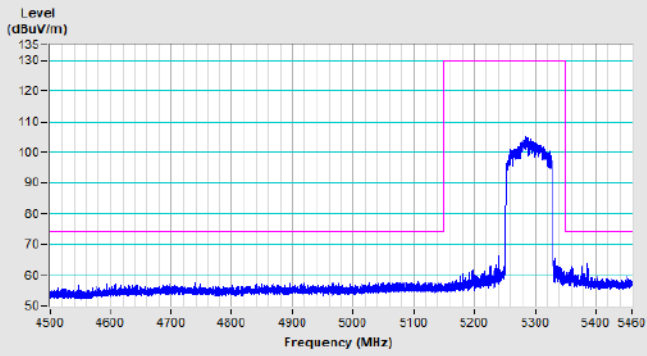


Vertical (Peak)

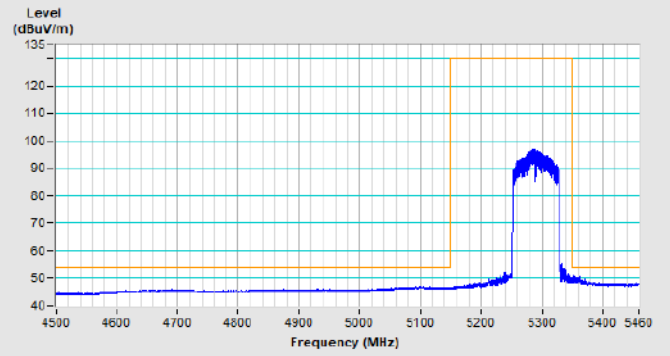


Vertical (Average)

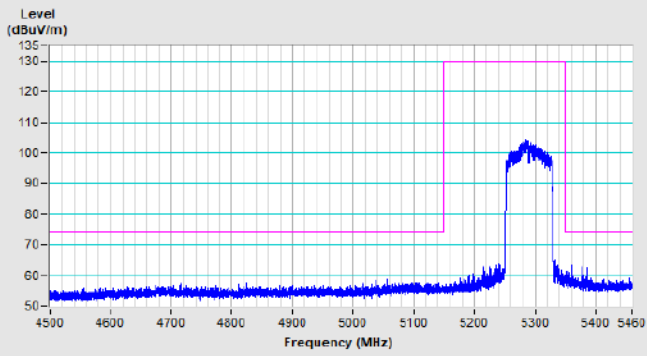
802.11ac (VHT80) Channel 58



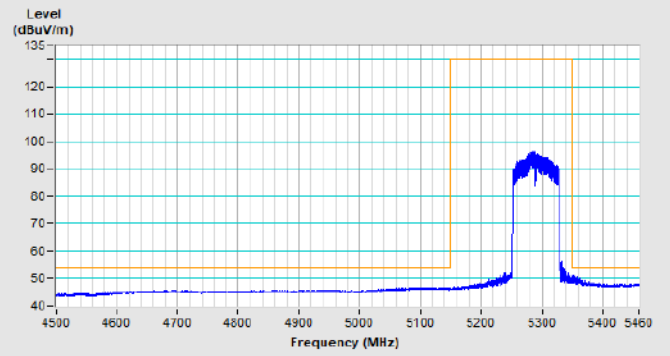
Horizontal (Peak)



Horizontal (Average)



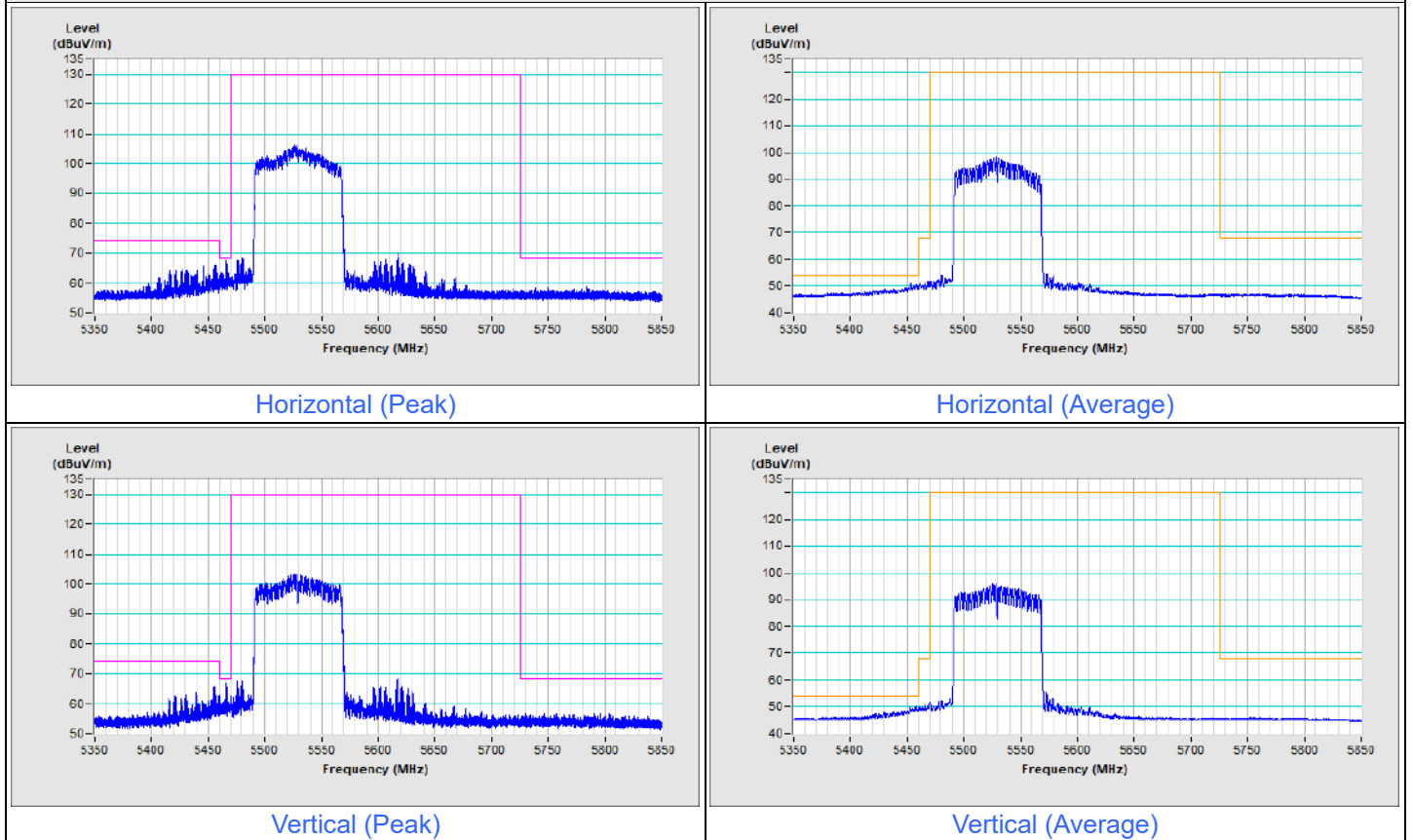
Vertical (Peak)



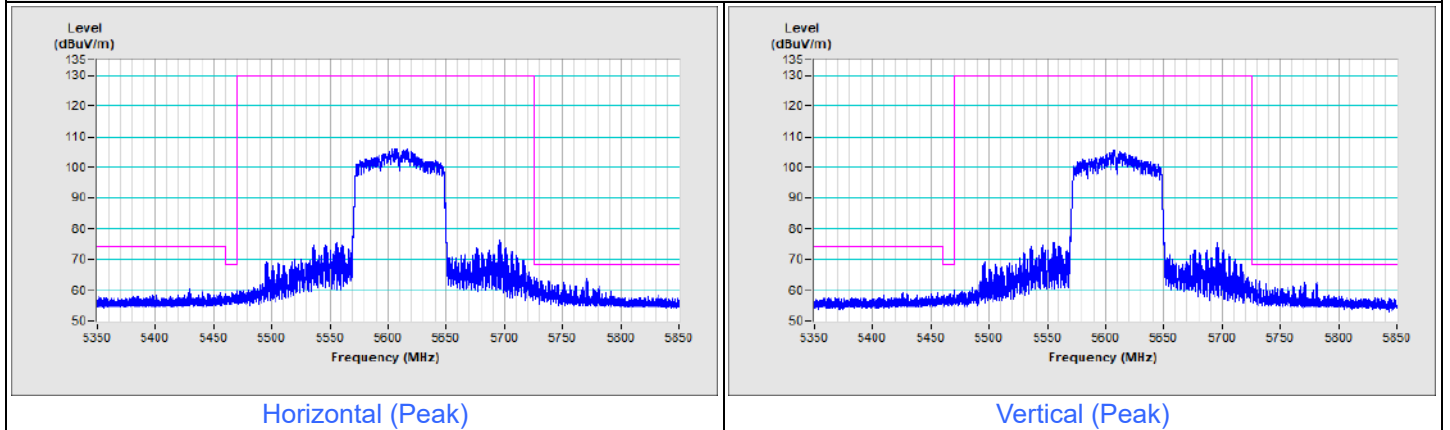
Vertical (Average)

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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802.11ac (VHT80) Channel 106

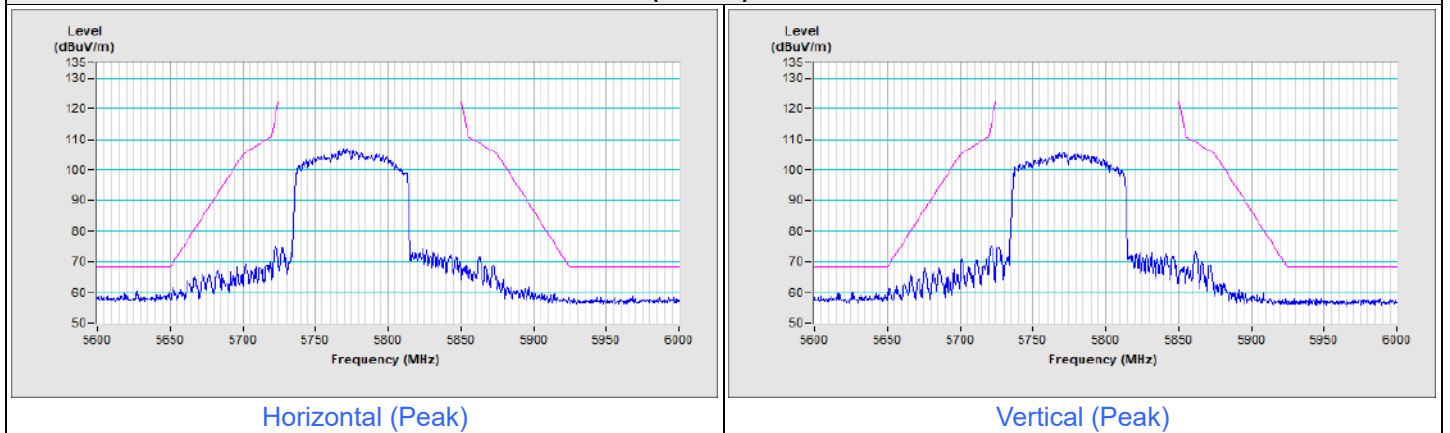


802.11ac (VHT80) Channel 122



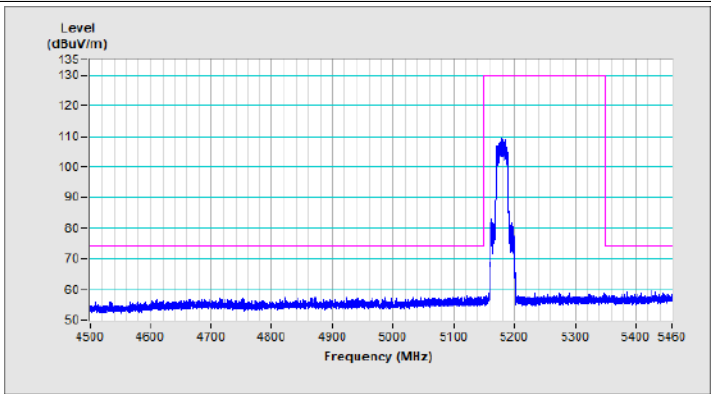
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ac (VHT80) Channel 155

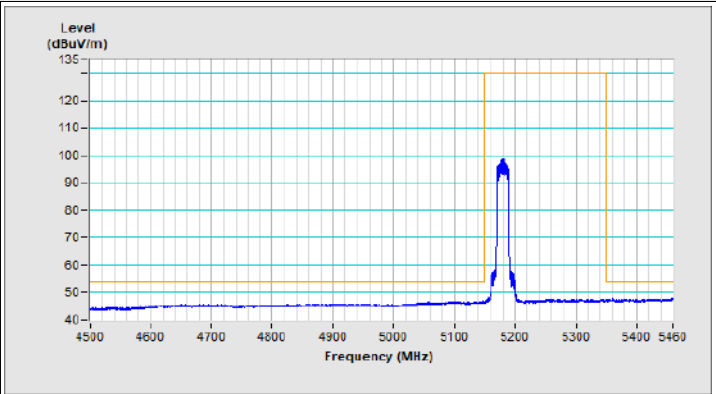


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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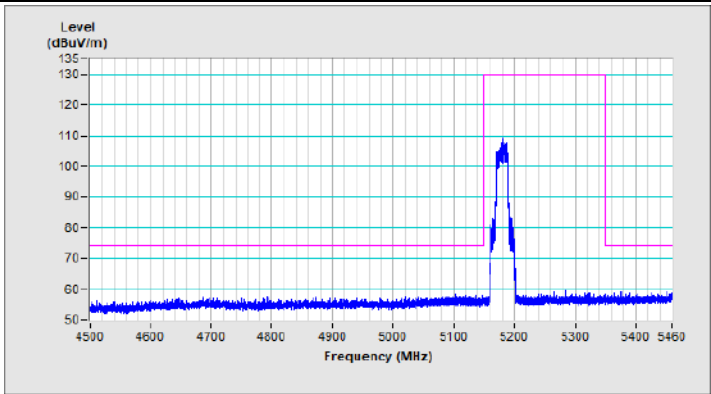
802.11ax (HE20) Channel 36



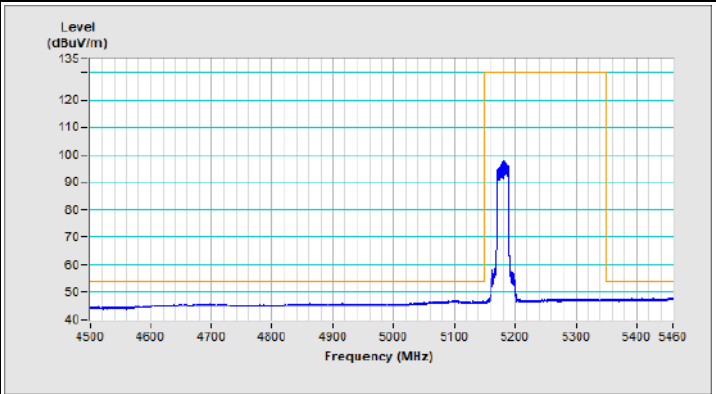
Horizontal (Peak)



Horizontal (Average)

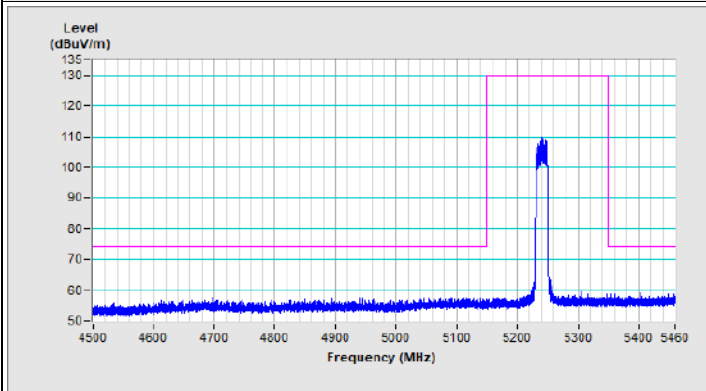


Vertical (Peak)

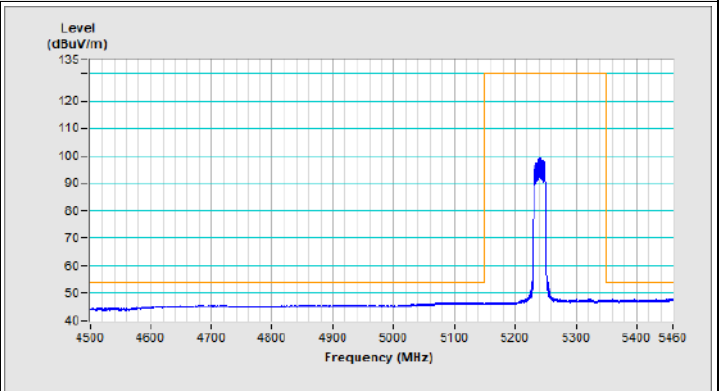


Vertical (Average)

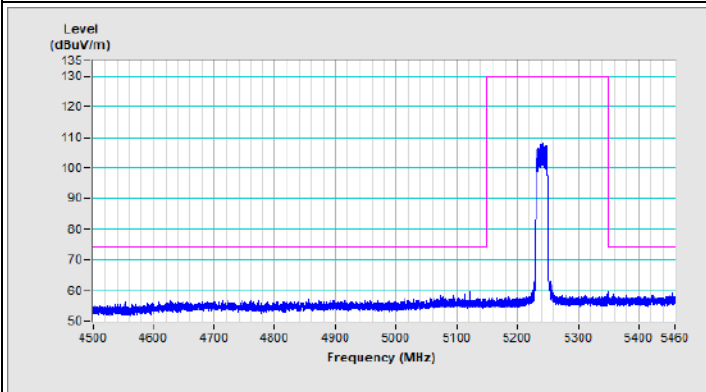
802.11ax (HE20) Channel 48



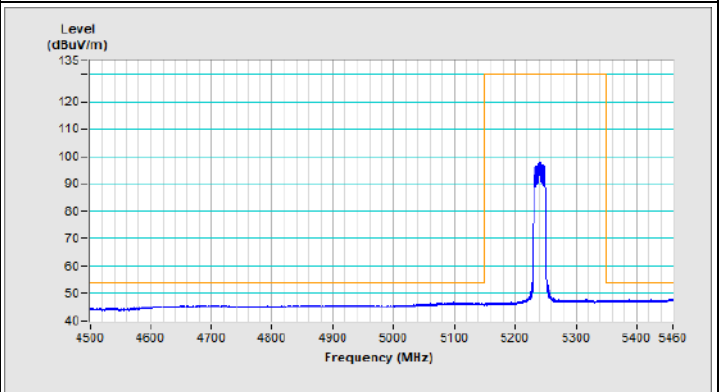
Horizontal (Peak)



Horizontal (Average)

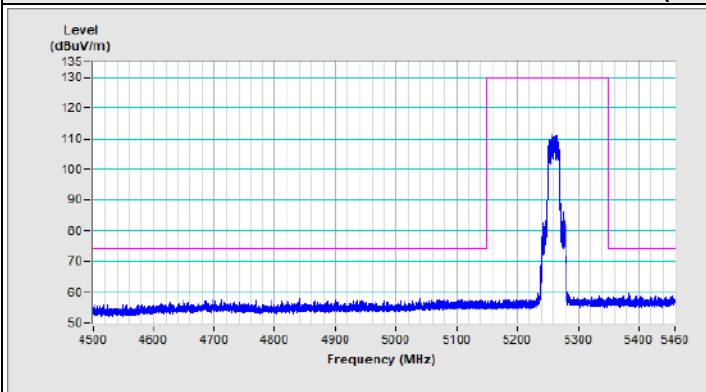


Vertical (Peak)

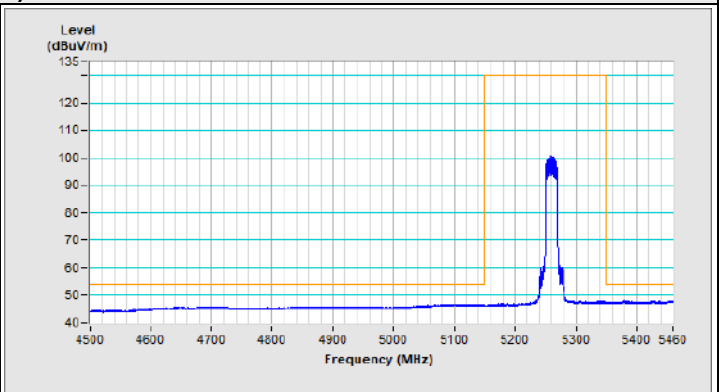


Vertical (Average)

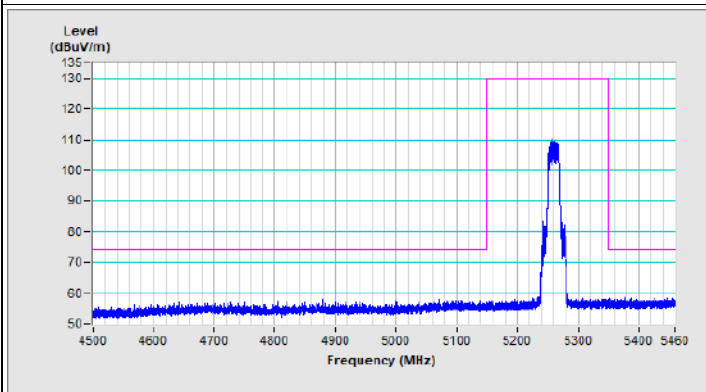
802.11ax (HE20) Channel 52



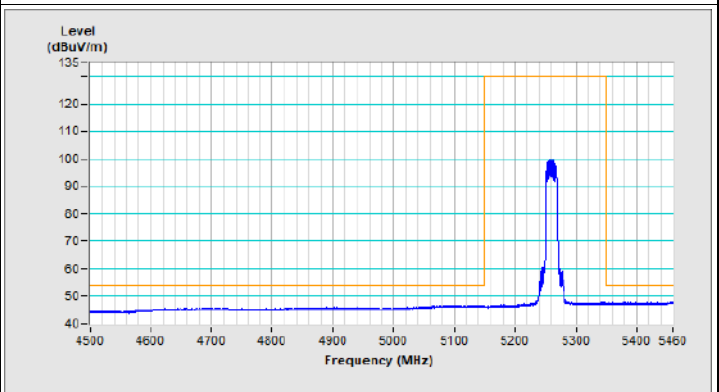
Horizontal (Peak)



Horizontal (Average)

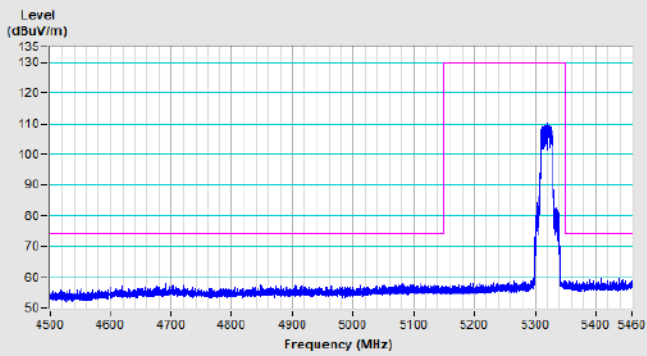


Vertical (Peak)

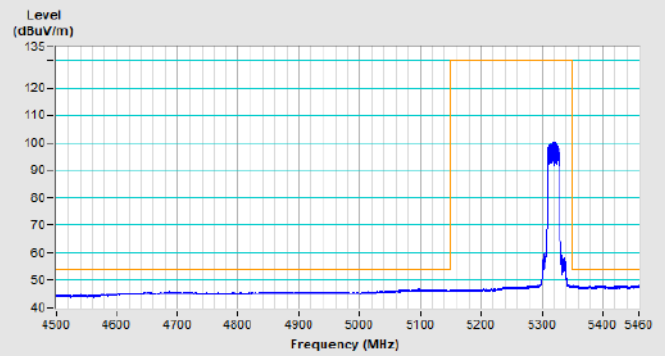


Vertical (Average)

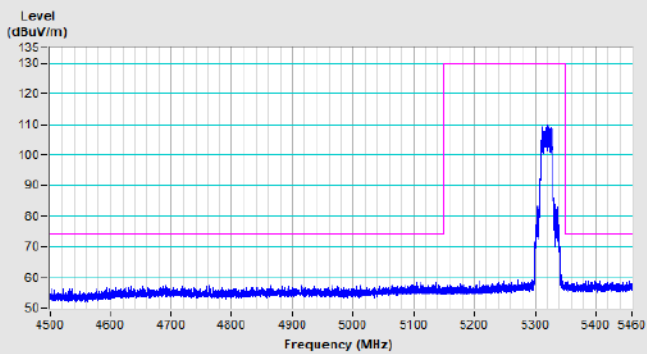
802.11ax (HE20) Channel 64



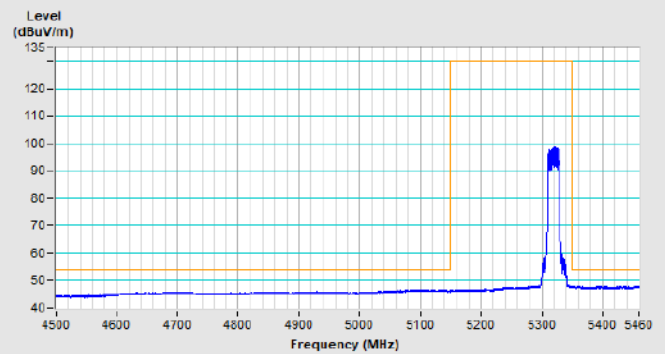
Horizontal (Peak)



Horizontal (Average)



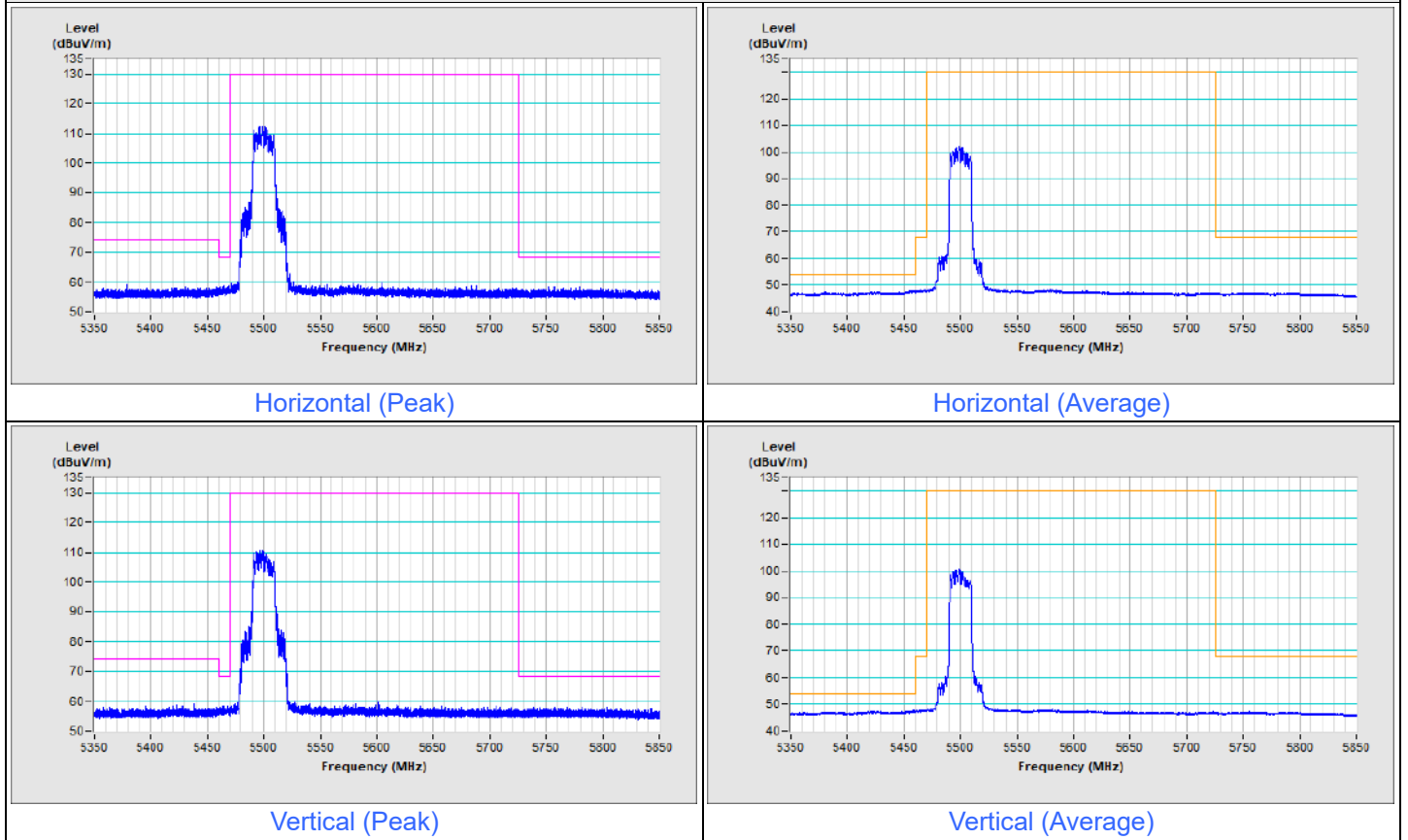
Vertical (Peak)



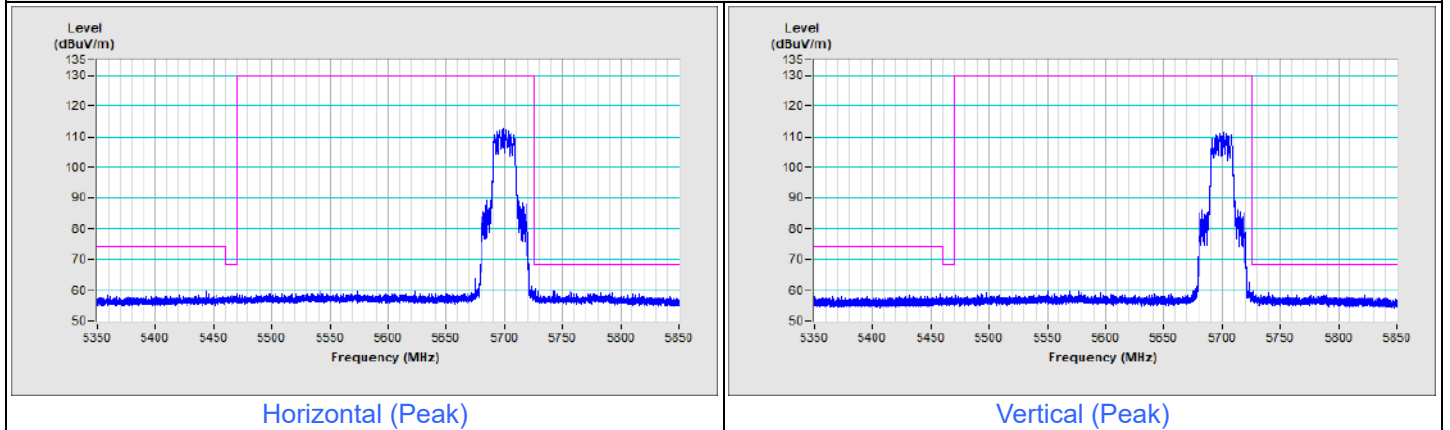
Vertical (Average)

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

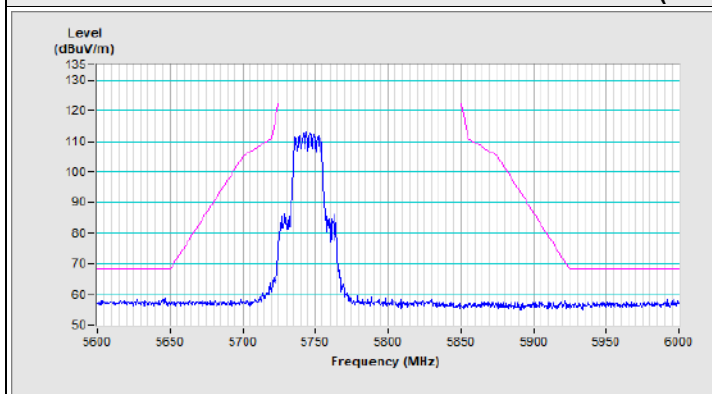


802.11ax (HE20) Channel 140

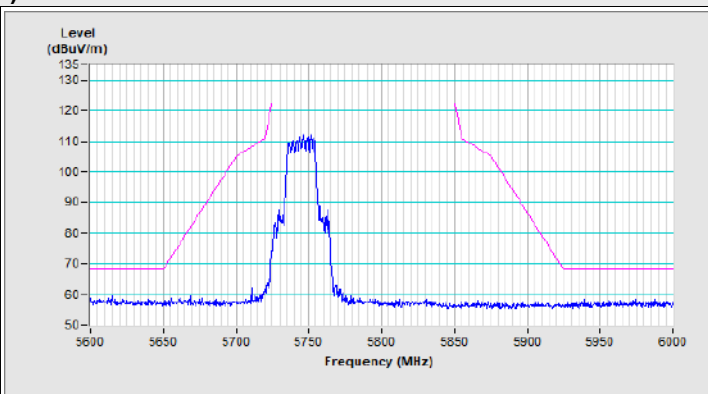


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 149

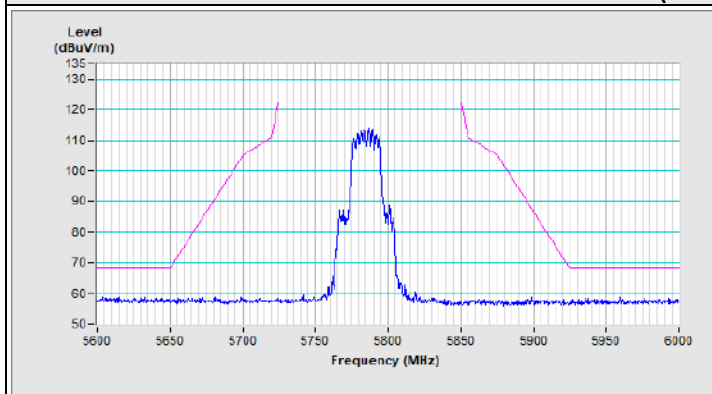


Horizontal (Peak)

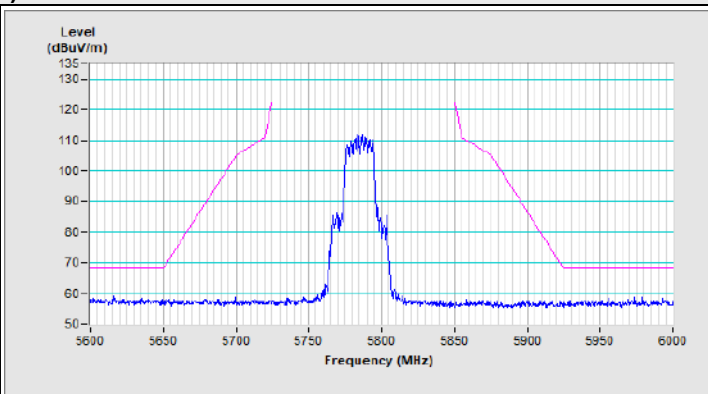


Vertical (Peak)

802.11ax (HE20) Channel 157

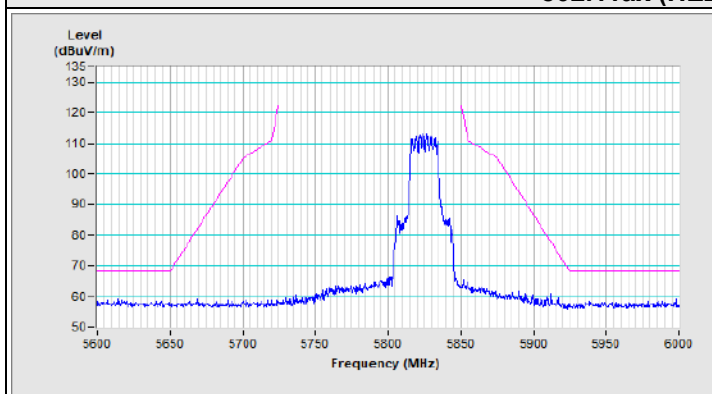


Horizontal (Peak)

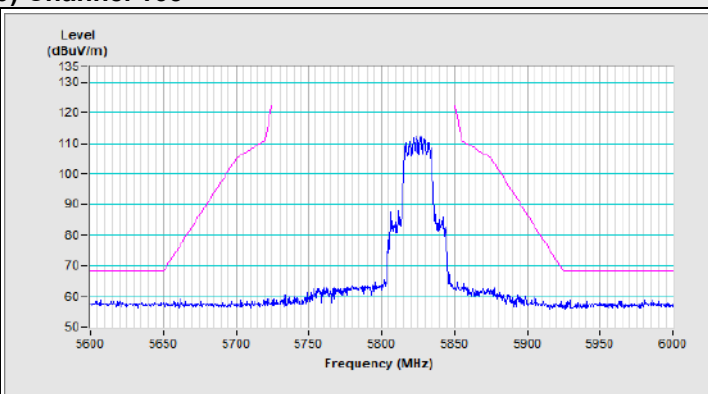


Vertical (Peak)

802.11ax (HE20) Channel 165



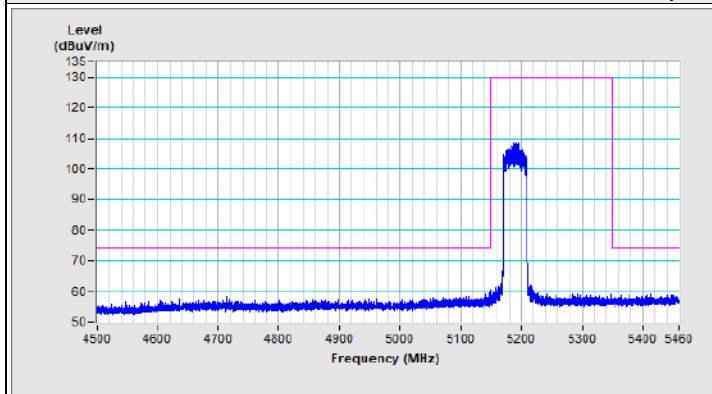
Horizontal (Peak)



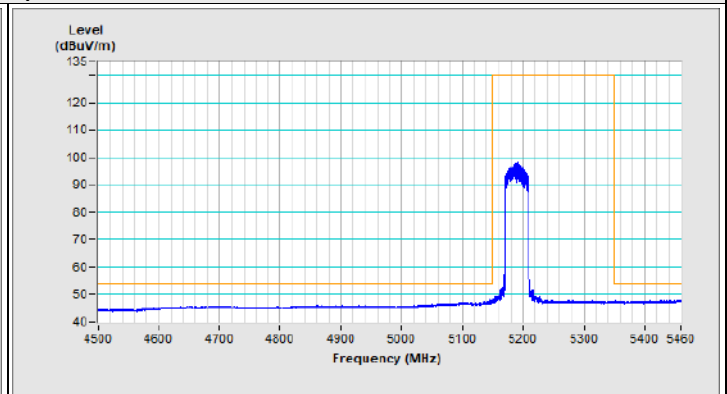
Vertical (Peak)

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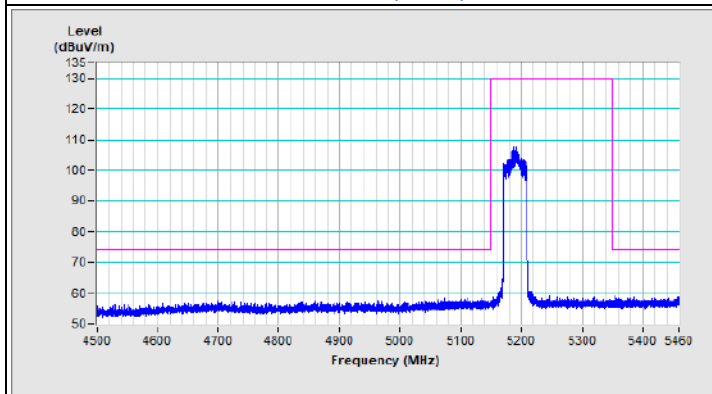
802.11ax (HE40) Channel 38



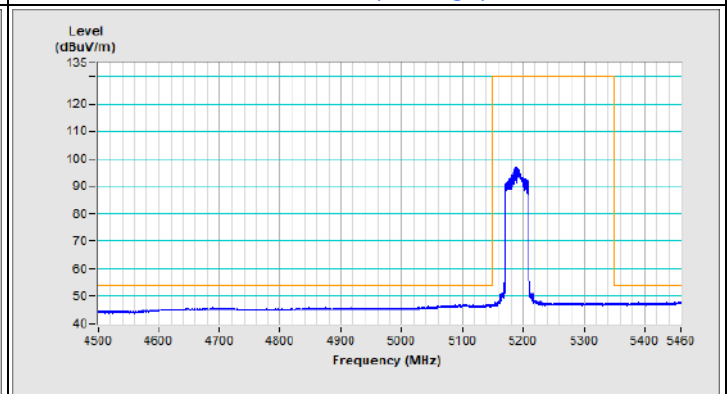
Horizontal (Peak)



Horizontal (Average)

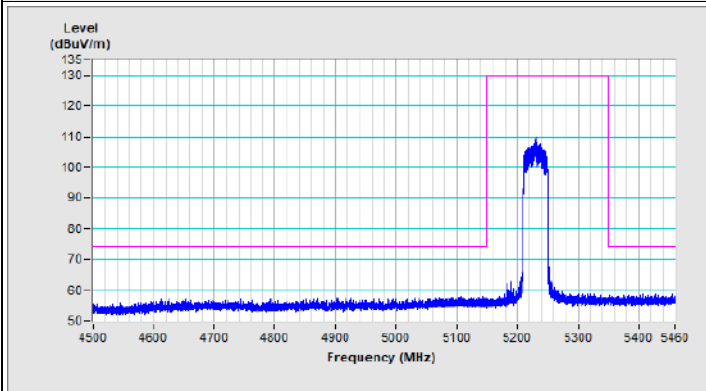


Vertical (Peak)

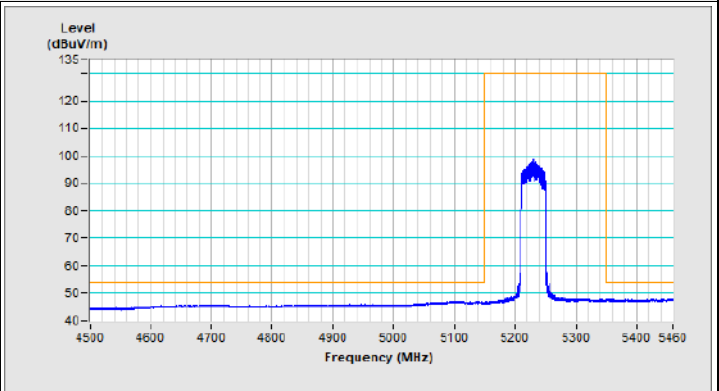


Vertical (Average)

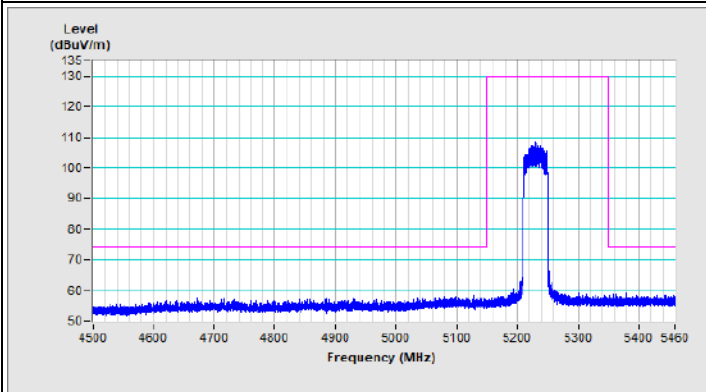
802.11ax (HE40) Channel 46



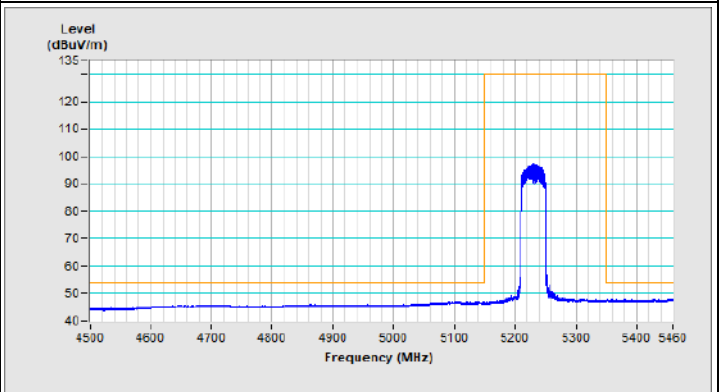
Horizontal (Peak)



Horizontal (Average)

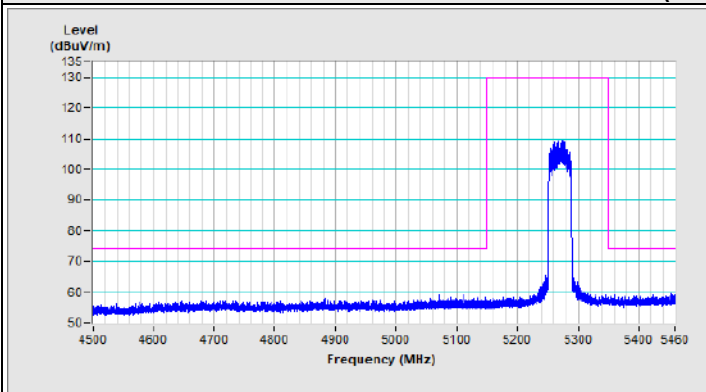


Vertical (Peak)

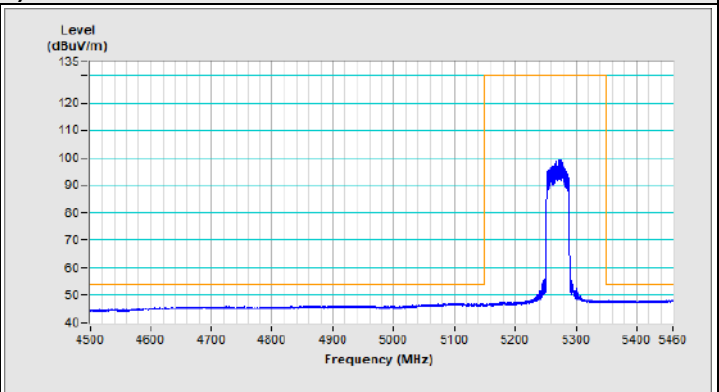


Vertical (Average)

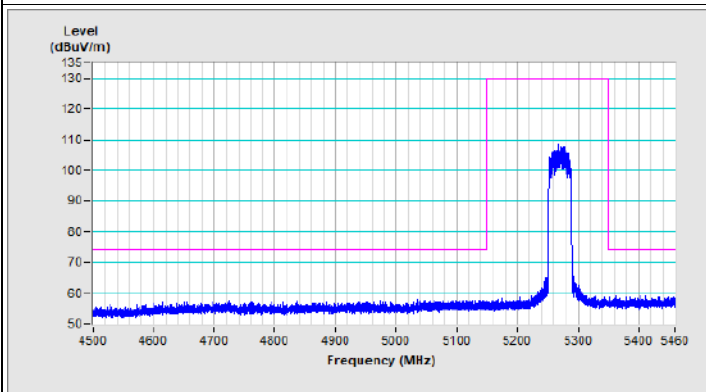
802.11ax (HE40) Channel 54



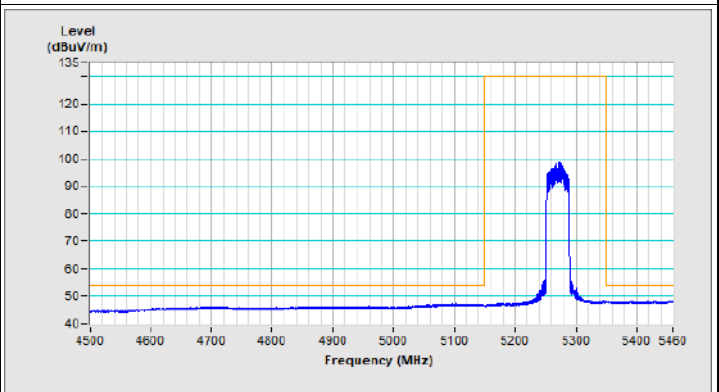
Horizontal (Peak)



Horizontal (Average)

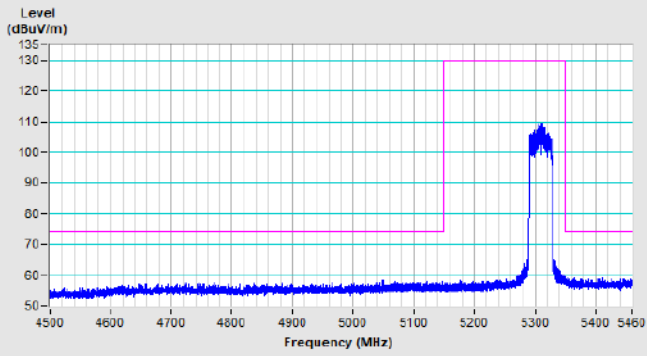


Vertical (Peak)

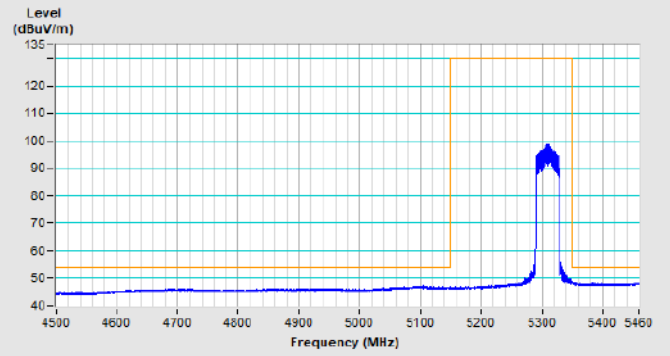


Vertical (Average)

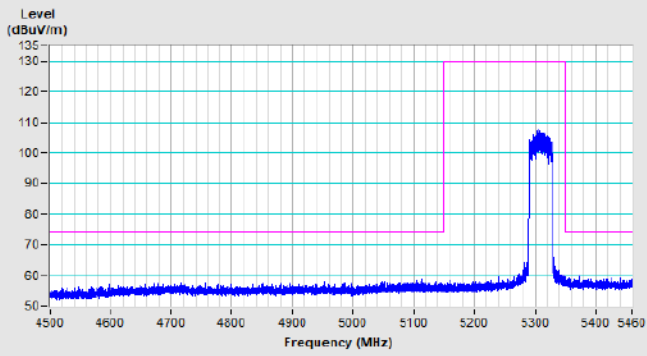
802.11ax (HE40) Channel 62



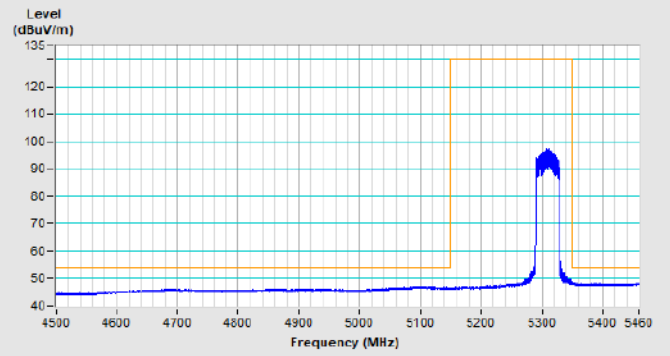
Horizontal (Peak)



Horizontal (Average)



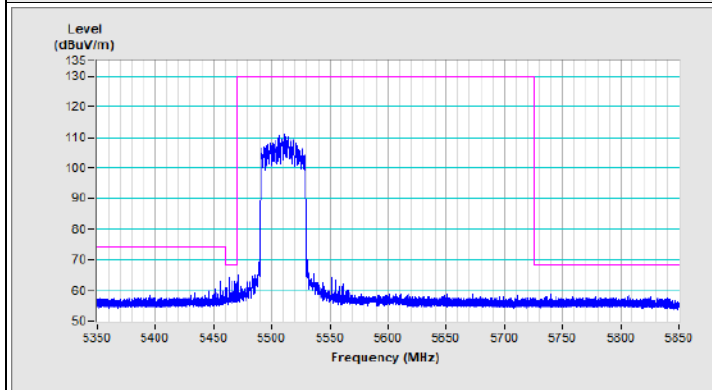
Vertical (Peak)



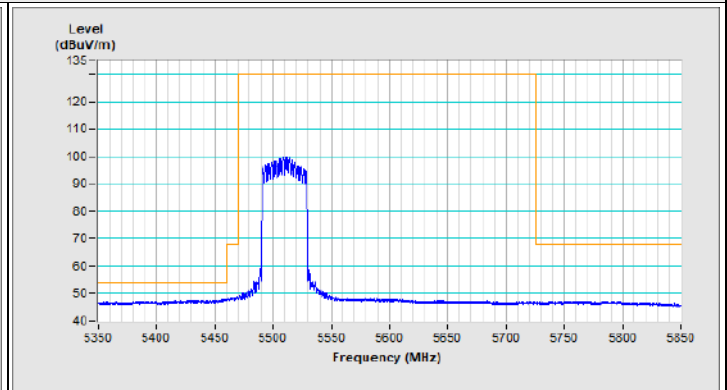
Vertical (Average)

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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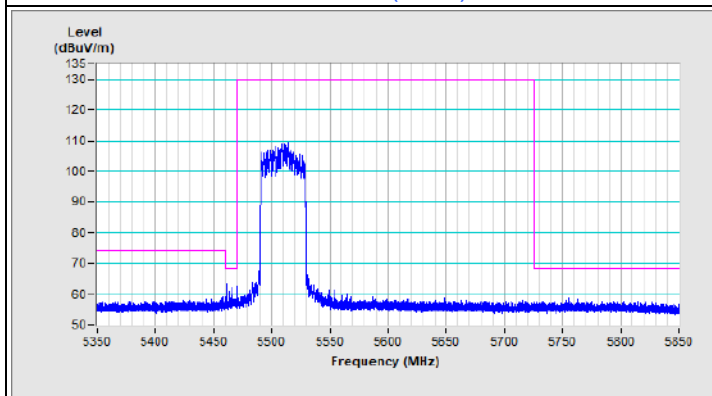
802.11ax (HE40) Channel 102



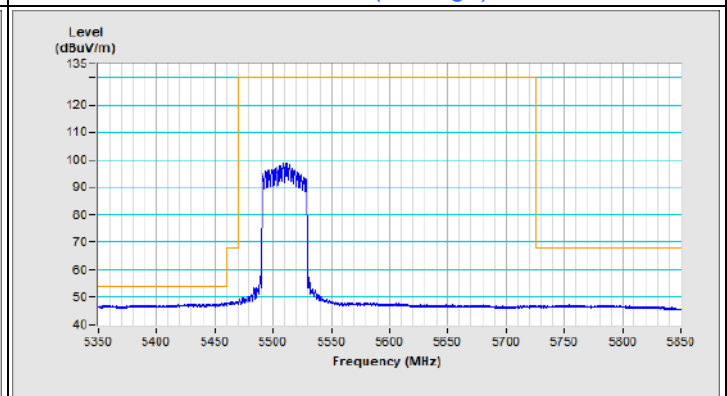
Horizontal (Peak)



Horizontal (Average)

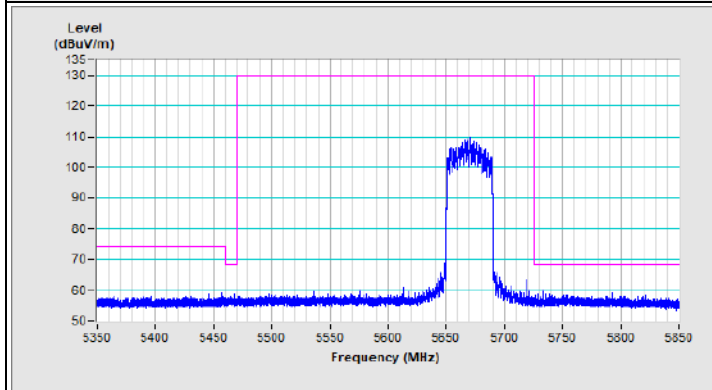


Vertical (Peak)

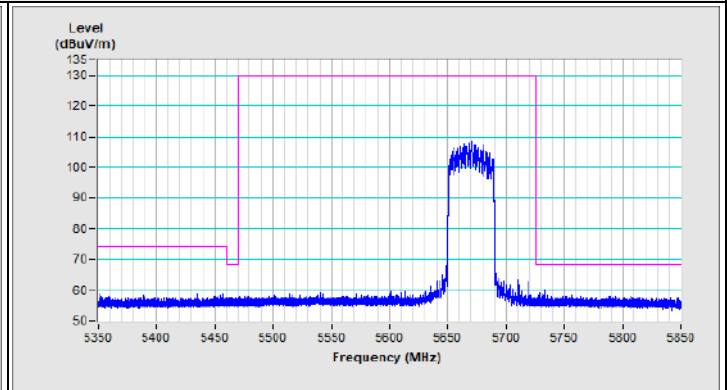


Vertical (Average)

802.11ax (HE40) Channel 134



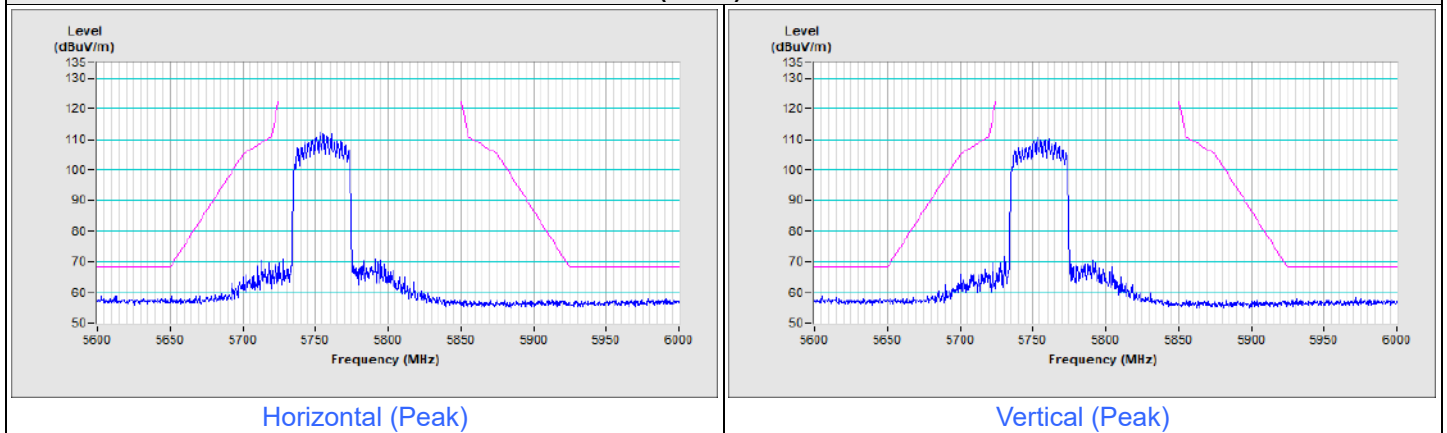
Horizontal (Peak)



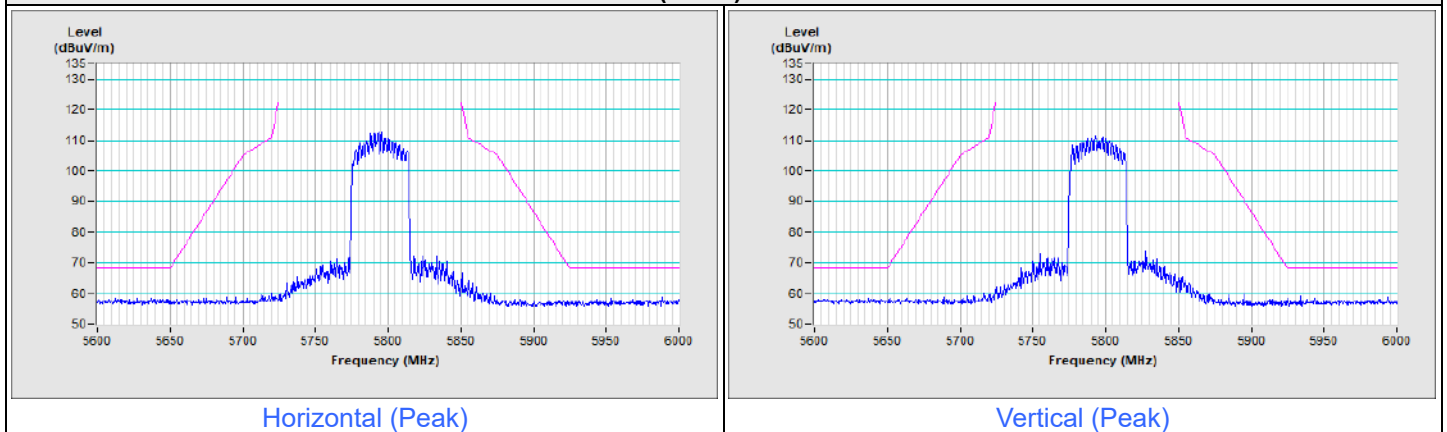
Vertical (Peak)

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

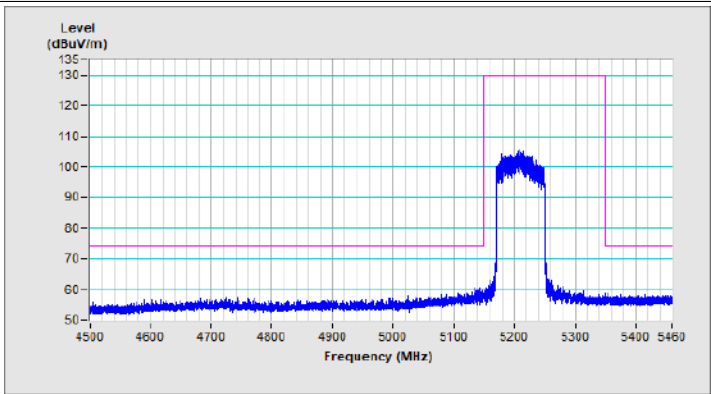


802.11ax (HE40) Channel 159

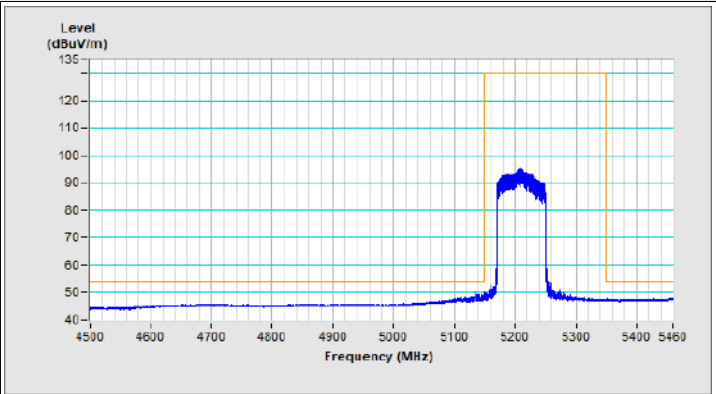


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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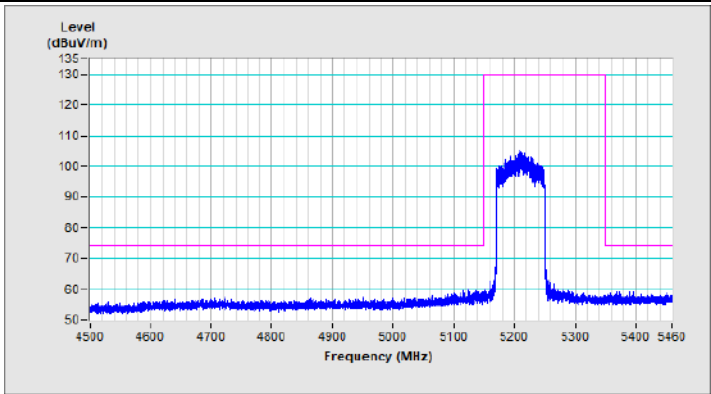
802.11ax (HE80) Channel 42



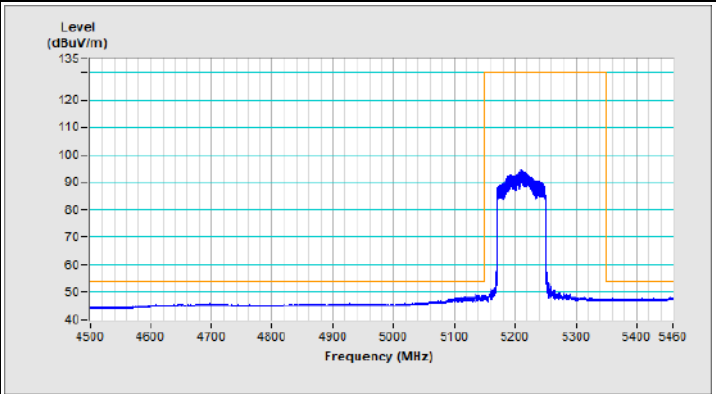
Horizontal (Peak)



Horizontal (Average)

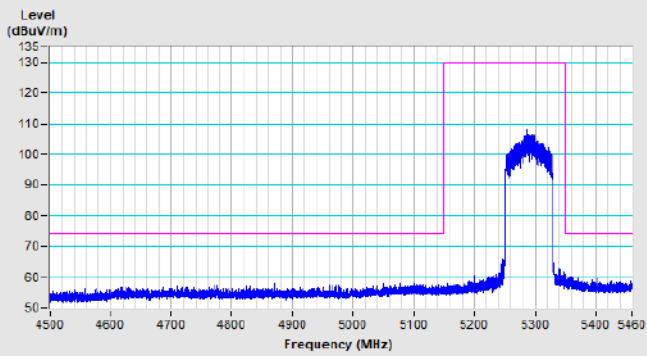


Vertical (Peak)

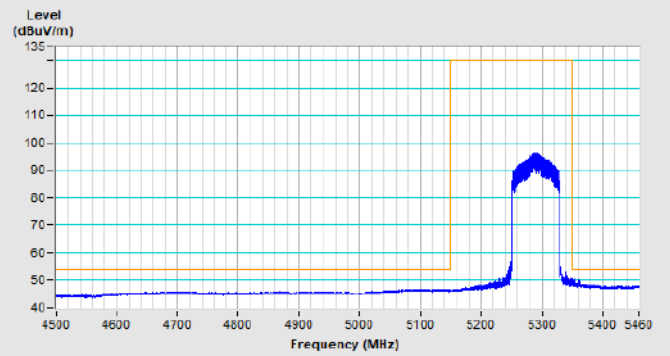


Vertical (Average)

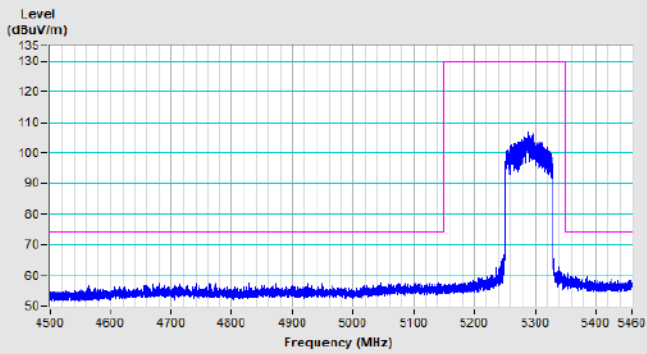
802.11ax (HE80) Channel 58



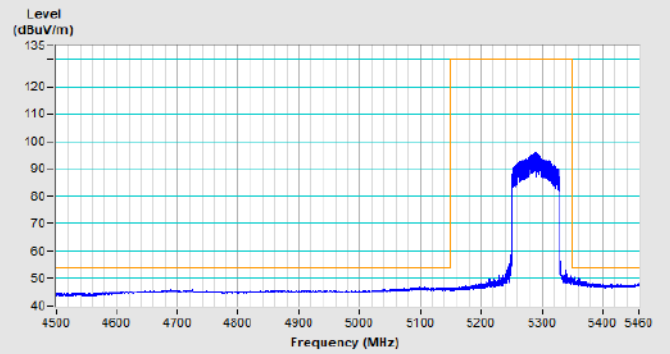
Horizontal (Peak)



Horizontal (Average)



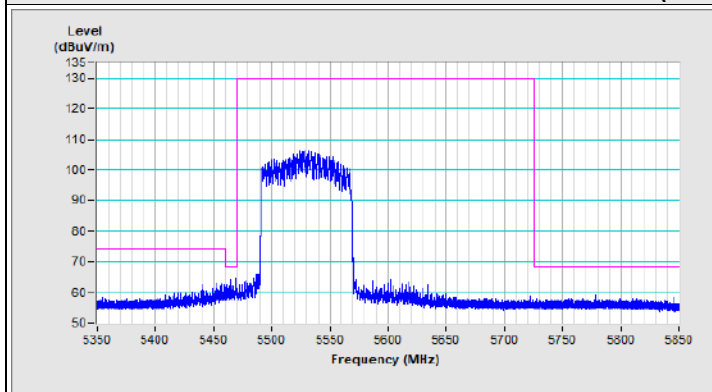
Vertical (Peak)



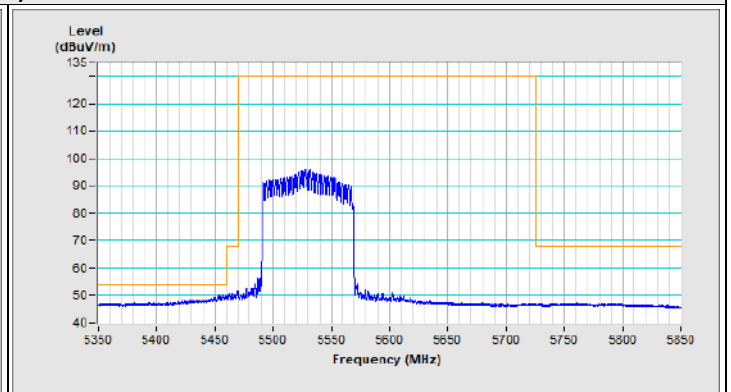
Vertical (Average)

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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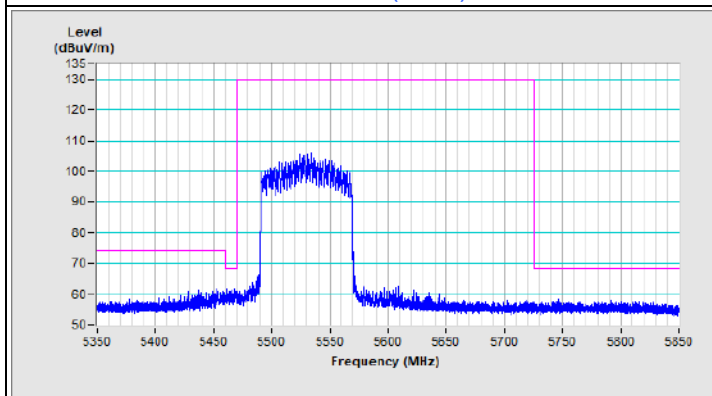
802.11ax (HE80) Channel 106



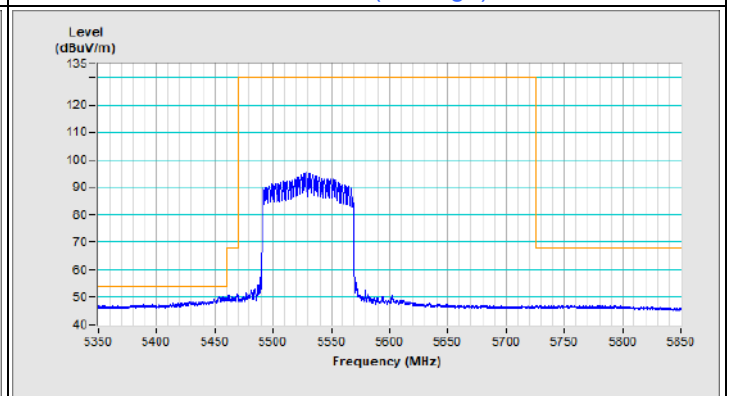
Horizontal (Peak)



Horizontal (Average)

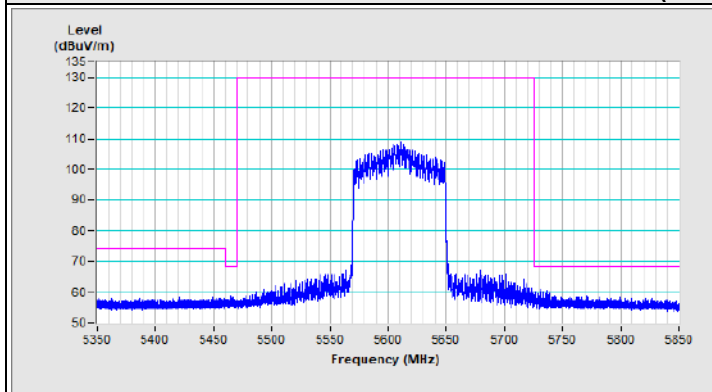


Vertical (Peak)

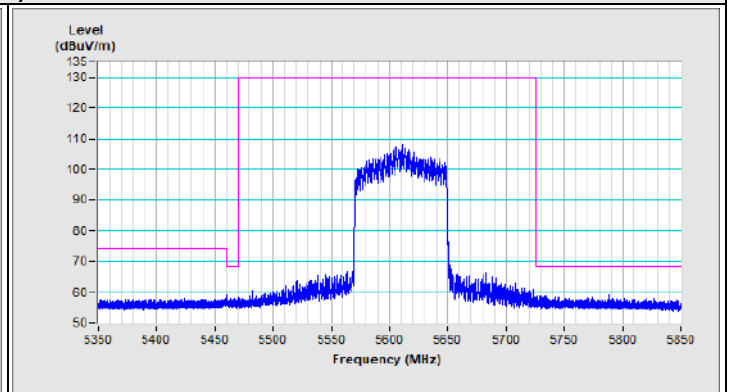


Vertical (Average)

802.11ax (HE80) Channel 122

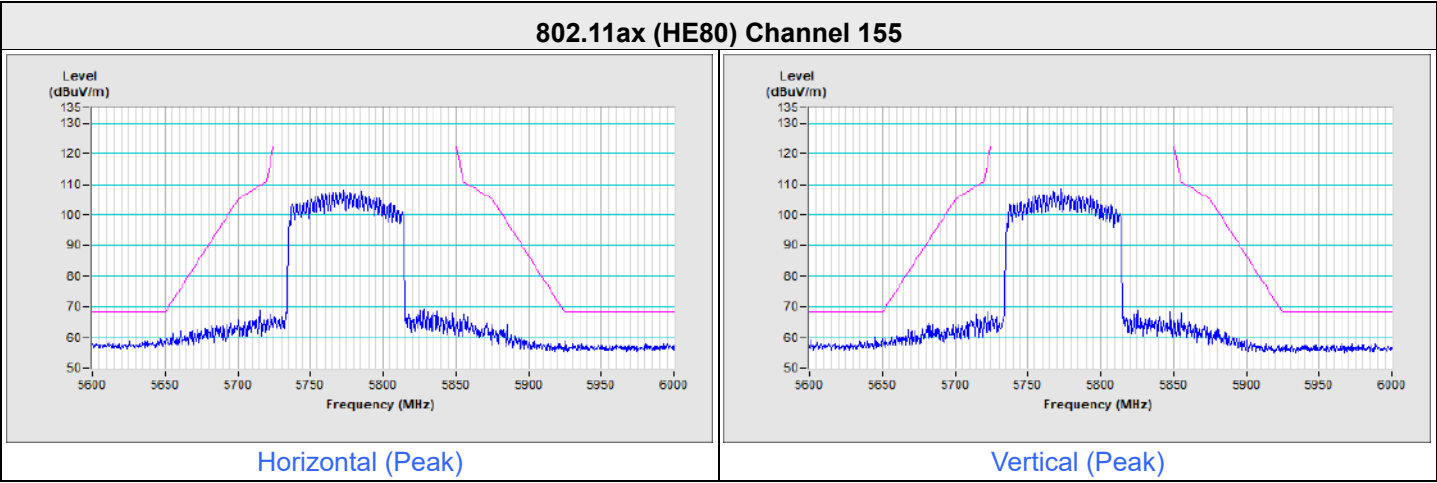


Horizontal (Peak)



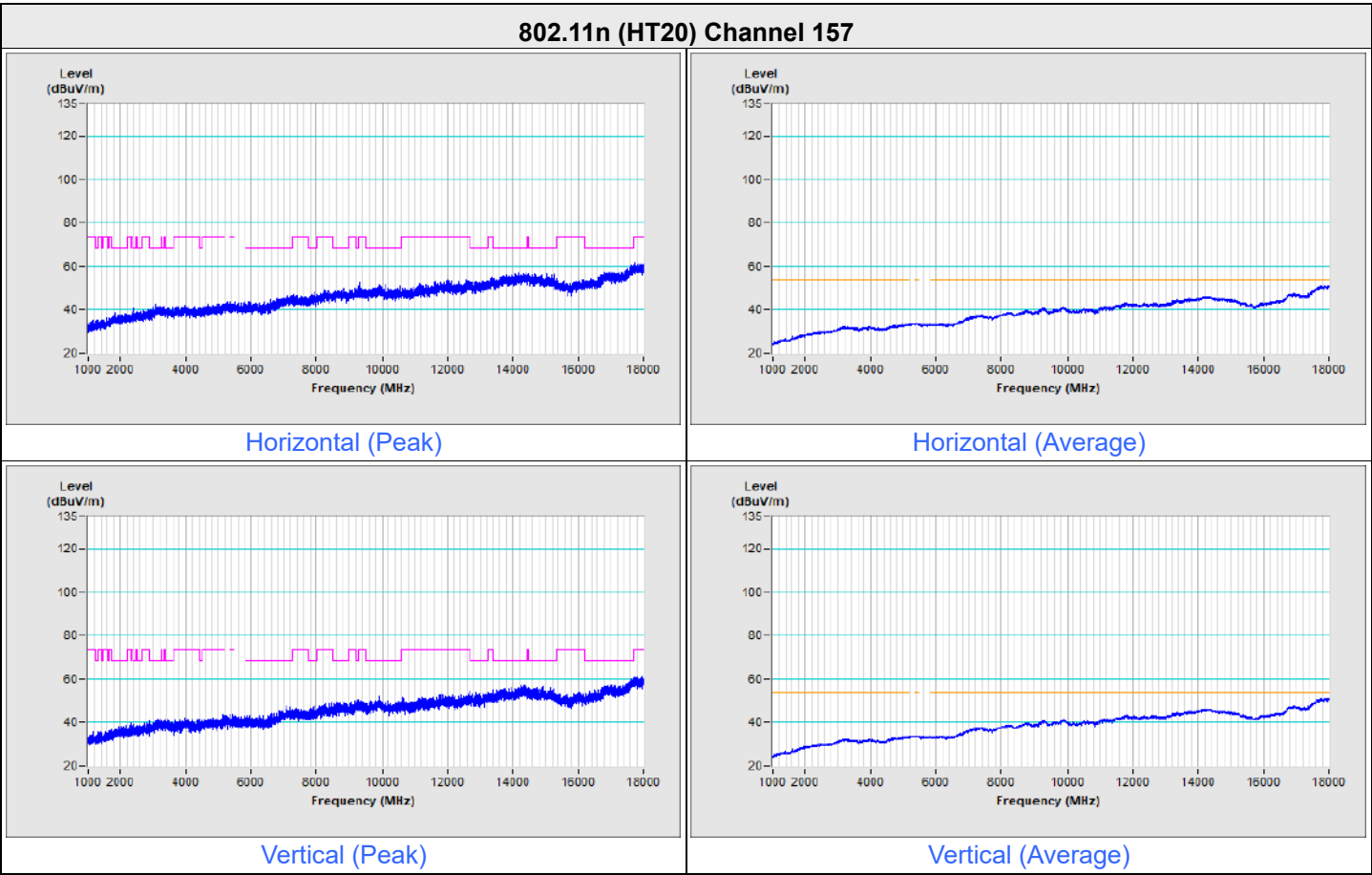
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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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=3 MHz, DET=RMS
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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.

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

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