

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBFLF-WTW-P24100005-1

FCC ID: MSQ-RTAX8900

Product: Dual Band WiFi 6 Travel Router

Brand:

ASUSTek Computer Inc. or



Model No.: RT-AX50 Go

Received Date: 2024/11/4

Test Date: 2025/4/25 ~ 2025/6/5

Issued Date: 2025/8/6

Applicant: ASUSTeK COMPUTER INC.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 723255 / TW2022

Designation Number:

Approved by:


Wen Yu / Assistant Manager

Date:

2025/8/6

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Prepared by: Vito Lung / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBFLF-WTW-P24100005-1	Original release.	2025/8/6

1 Certificate

Product: Dual Band WiFi 6 Travel Router

Brand:

ASUSTek Computer Inc. or



Test Model: RT-AX50 Go

Sample Status: Engineering sample

Applicant: ASUSTeK COMPUTER INC.

Test Date: 2025/4/25 ~ 2025/6/5

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

Measurement ANSI C63.10-2013

procedure:

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -6.14 dB at 20.58203 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -2.4 dB at 42.97 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 -1.5 dB at 5150.00 MHz, 5350.00 MHz, 5470.00 MHz, 5642.87 MHz, 5725.00 MHz and 5850.00 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

Notes:

- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- The "Dynamic Frequency Selection measurement" was recorded in DFS test report.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	1050.00 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Occupied Bandwidth	-	1050.00 Hz
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Dual Band WiFi 6 Travel Router
Brand	ASUSTek Computer Inc. or 
Test Model	RT-AX50 Go
Status of EUT	Engineering sample
Power Supply Rating	5 Vdc / 9 Vdc / 12 Vdc 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	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps 802.11ax: up to 1201.0 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	CDD Mode: 5.18 GHz ~ 5.24 GHz: 238.721 mW (23.78 dBm) 5.26 GHz ~ 5.32 GHz: 233.583 mW (23.68 dBm) 5.5 GHz ~ 5.72 GHz: 106.498 mW (20.27 dBm) 5.745 GHz ~ 5.825 GHz: 141.071 mW (21.49 dBm) Beamforming Mode: 5.18 GHz ~ 5.24 GHz: 209.453 mW (23.21 dBm) 5.26 GHz ~ 5.32 GHz: 176.263 mW (22.46 dBm) 5.5 GHz ~ 5.72 GHz: 121.55 mW (20.85 dBm) 5.745 GHz ~ 5.825 GHz: 156.651 mW (21.95 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT uses following accessories.

Item	Brand	Specification
RJ45 Cable	Shenzhen Eternity Ju Electronic Co., Ltd.	Signal Line: unshielded, 0.3m
Type C Cable	Shenzhen Eternity Ju Electronic Co., Ltd.	Signal Line: unshielded, 0.3m

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

3. Simultaneously transmission combination.

Combination	Technology	
	1	WLAN 2.4 GHz

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1	0	LYNvave	ALX23M-222AAA	1.9	2.4 ~ 2.4835	PIFA	None
				4.1	5.15 ~ 5.25		
					5.25 ~ 5.35		
					5.47 ~ 5.725		
	5.725 ~ 5.85						
2	1	LYNvave	ALX23M-222AA9	2.3	2.4 ~ 2.4835	PIFA	None
				4.8	5.15 ~ 5.25		
					5.25 ~ 5.35		
					5.47 ~ 5.725		
	5.725 ~ 5.85						

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

2. The EUT incorporates a MIMO function:

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

Note:

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

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: For Unwanted Emissions below 1 GHz: X-axis For Unwanted Emissions Above 1 GHz: Z-axis

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

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

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

3.5 Duty Cycle of Test Signal

802.11a CDD:

Duty cycle = 5.361 ms / 7.863 ms x 100% = 68.2%, duty factor = 10 * log (1/Duty cycle) = 1.66 dB

802.11ax (HE20) Beamforming:

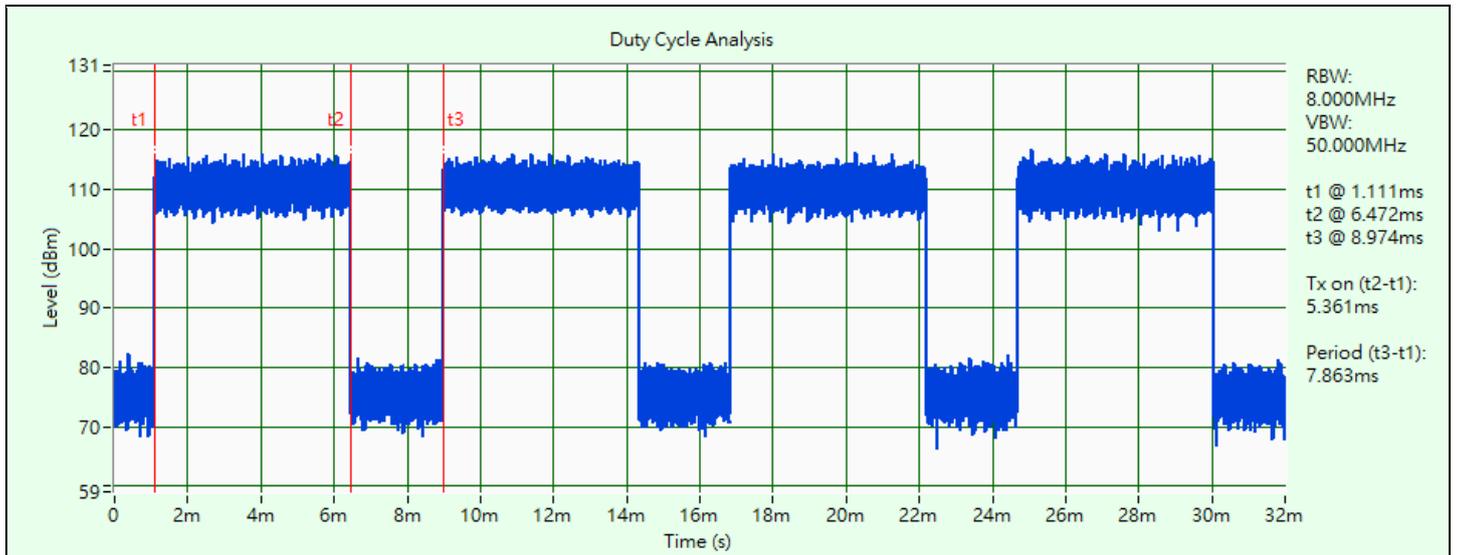
Duty cycle = 4.71 ms / 7.211 ms x 100% = 65.3%, duty factor = 10 * log (1/Duty cycle) = 1.85 dB

802.11ax (HE40) Beamforming:

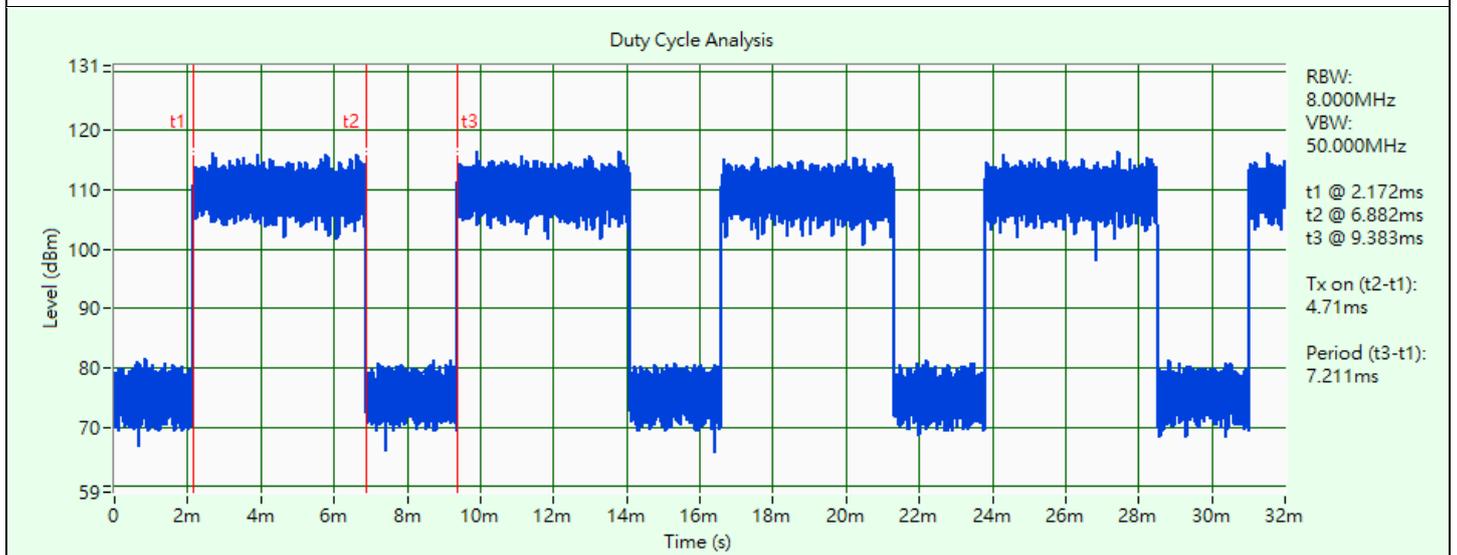
Duty cycle = 5.47 ms / 7.97 ms x 100% = 68.6%, duty factor = 10 * log (1/Duty cycle) = 1.63 dB

802.11ax (HE80) Beamforming:

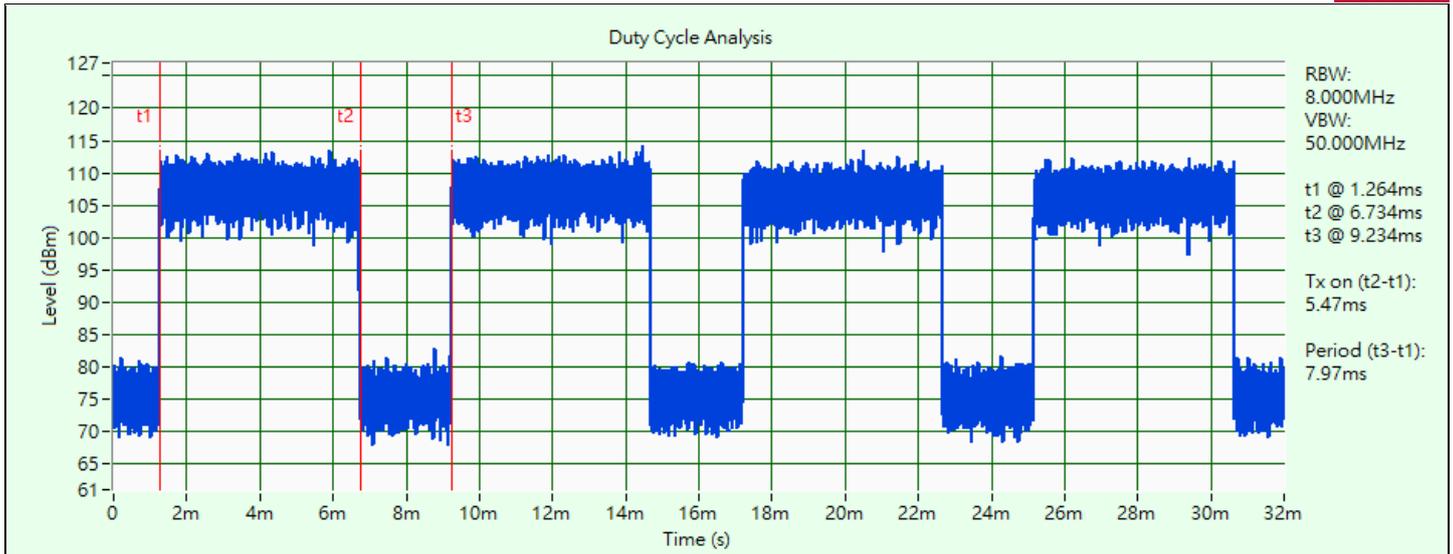
Duty cycle = 5.388 ms / 7.889 ms x 100% = 68.3%, duty factor = 10 * log (1/Duty cycle) = 1.66 dB



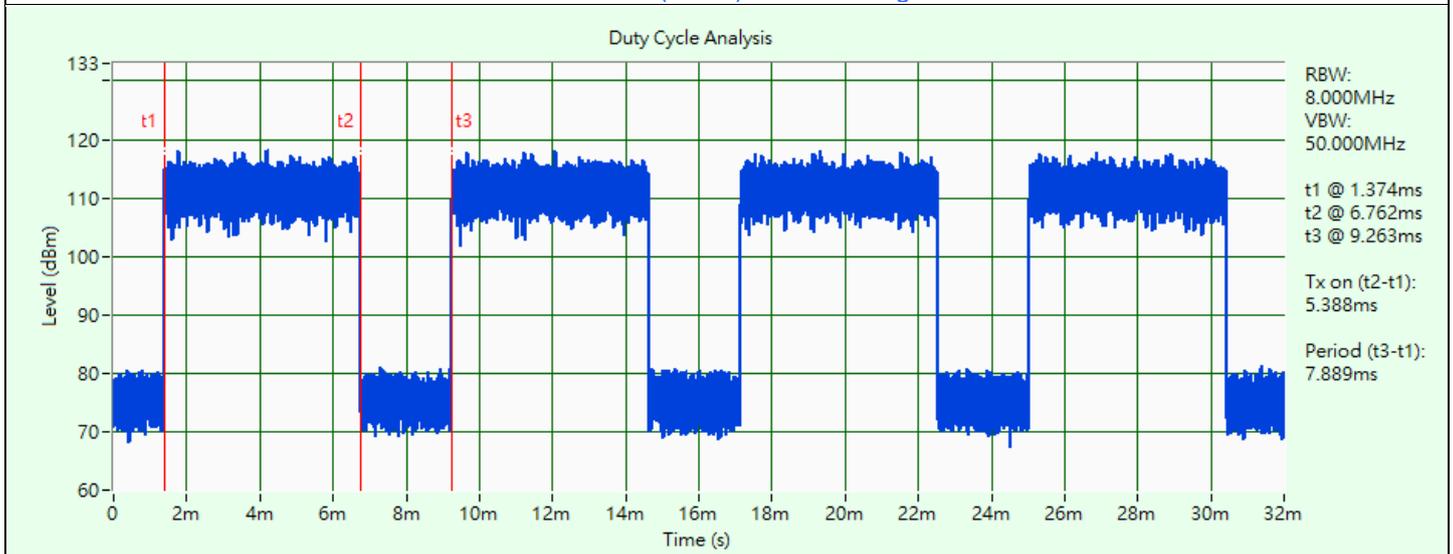
802.11a CDD



802.11ax (HE20) Beamforming



802.11ax (HE40) Beamforming

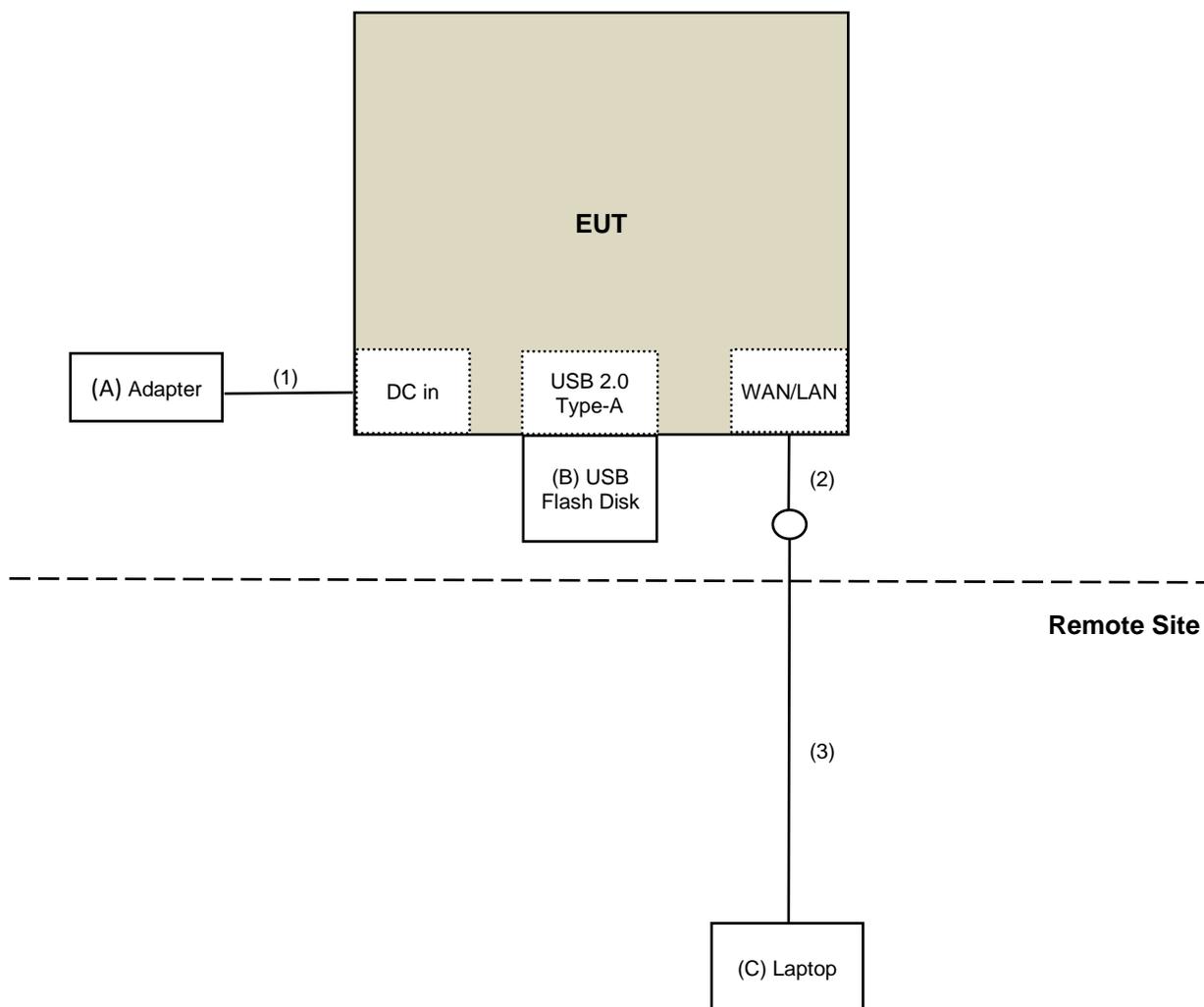


802.11ax (HE80) Beamforming

3.6 Test Program Used and Operation Descriptions

Controlling software (20220215_MP Tools V1.1.27 for 97H_8832BR (64250)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	CHANNEL WELL TECHNOLOGY	2AFG0108	PF-1ANPYA	N/A	Supplied by applicant
B	USB Flash Disk	SanDisk	SDDDC3-032G- I35NB	BM22065835SW	N/A	Provided by Lab
C	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Type C Cable	1	0.3	No	0	Supplied by applicant
2	RJ-45 Cable	1	0.3	No	0	Supplied by applicant
3	RJ-45 Cable	1	10	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/6/5

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/5/28	2026/5/27
PXA Signal Analyzer Keysight	N9030A	MY55410176	2024/6/12	2025/6/11
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2
Software	ADT_RF Test Software V8	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2025/6/5

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2024/11/1	2025/10/31
EMI Test Receiver R&S	ESCS 30	100375	2024/5/20	2025/5/19
Fixed Attenuator STI	STI02-2200-10	005	2025/2/17	2026/2/16
LISN R&S	ESH3-Z5	835239/001	2025/3/27	2026/3/26
		848773/004	2024/10/7	2025/10/6
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2025/2/17	2026/2/16
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2025/5/19

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-406	2024/10/8	2025/10/7
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2025/2/15	2026/2/14
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
MXE EMI Receiver Agilent	N9038A	MY51210202	2024/7/29	2025/7/28
Preamplifier EMCI	EMC330N	980701	2025/2/15	2026/2/14
	EMC001340	980142	2025/2/17	2026/2/16
RF Coaxial Cable mTJ	100100-CFD400LW-200	CFD400-200	2025/2/15	2026/2/14
	100100-CFD400LW-400	CFD400-400	2025/2/15	2026/2/14
	100100-CFD400LW-800	CFD400-800	2025/2/15	2026/2/14
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/5/14

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2024/11/10	2025/11/9
	BBHA 9170	9170-739	2024/11/10	2025/11/9
MXA Signal Analyzer Keysight	N9020B	MY60112410	2025/3/17	2026/3/16
Preamplifier EMCI	EMC12630SE	980688	2024/8/8	2025/8/7
	EMC184045SE	980387	2024/8/8	2025/8/7
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2025/1/24	2026/1/23
	EMC102-KM-KM-4000	200214	2025/1/24	2026/1/23
	EMC104-SM-SM-1200	160922	2025/1/14	2026/1/13
	EMC104-SM-SM-2000	180502	2025/1/14	2026/1/13
	EMC104-SM-SM-6000	210704	2024/10/30	2025/10/29
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2025/4/25 ~ 2025/6/3

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

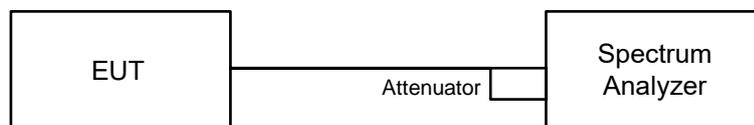
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

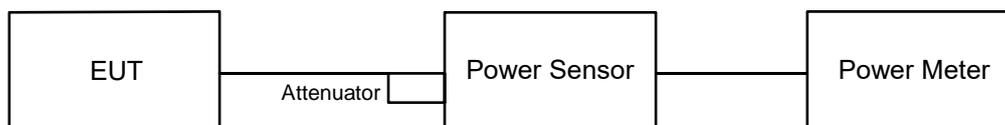


6.1.2 Test Procedure

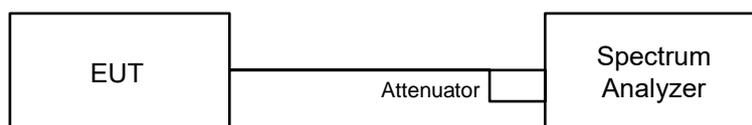
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

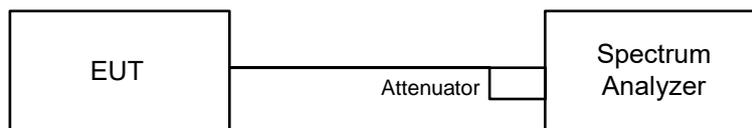
Method SA-2

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
- Sweep points ≥ $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.) Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value and add 10 log (1/duty cycle).

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-2

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

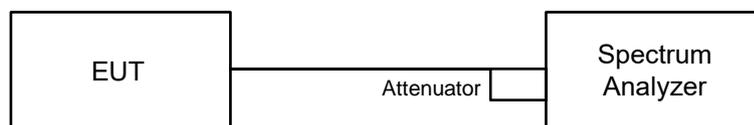
For specified measurement bandwidth 500 kHz:

Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

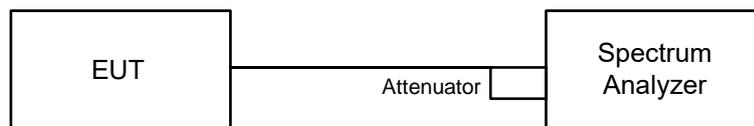


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

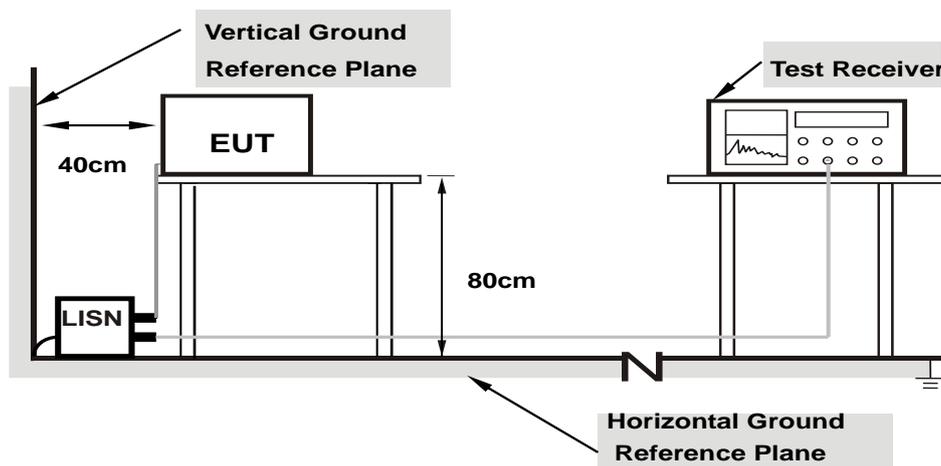


6.5.2 Test Procedure

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

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

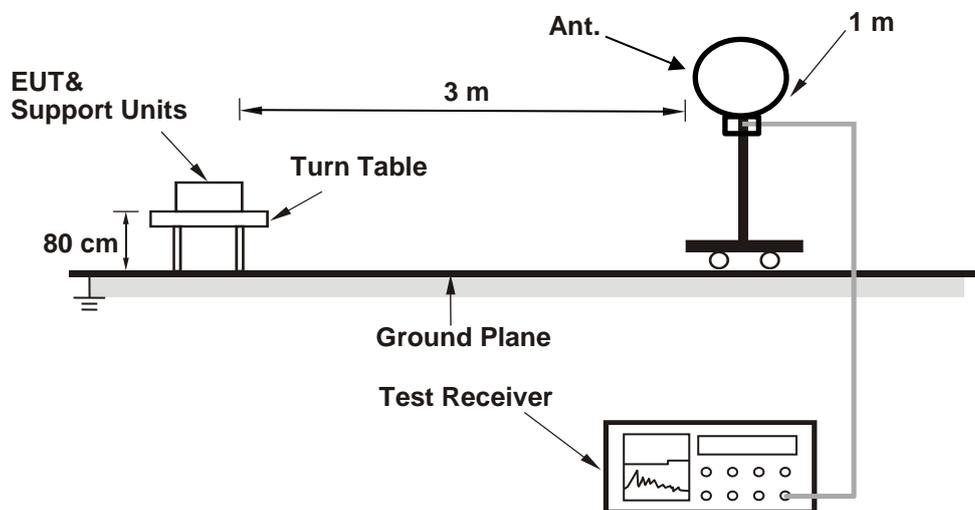
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

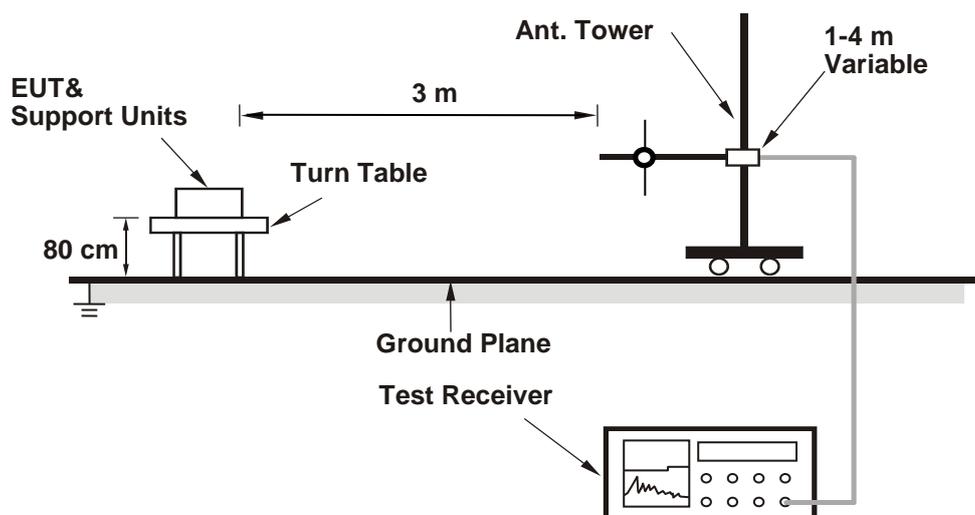
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

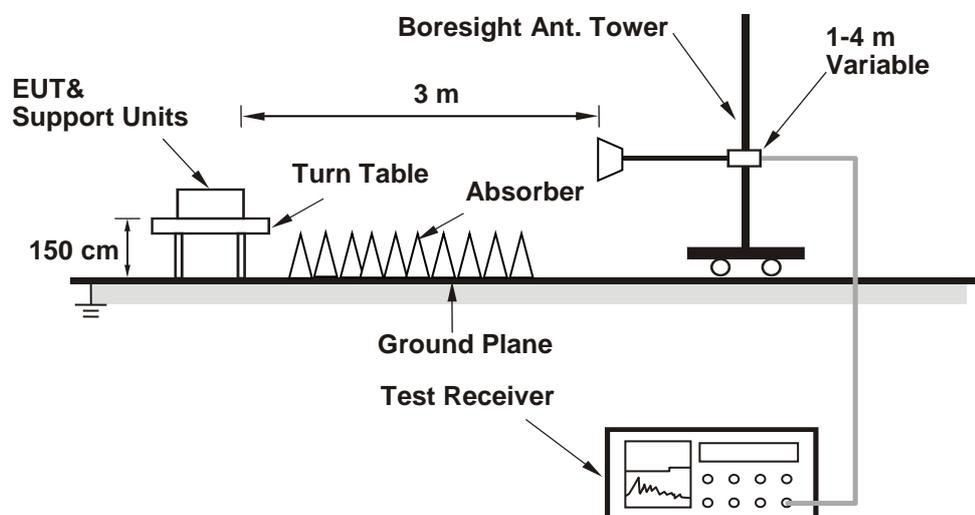
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	5 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu
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802.11a CDD

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.77	20.50
60	5300	33.12	22.38
64	5320	18.25	18.44
100	5500	18.42	18.46
116	5580	18.40	18.22
140	5700	18.47	18.28
144 (U-NII-2C)	5720	14.23	14.33
144 (U-NII-3)	5720	4.24	4.15

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.50	24.11 > 24
60	5300	22.38	24.49 > 24
64	5320	18.25	23.61 < 24
100	5500	18.42	23.65 < 24
116	5580	18.22	23.6 < 24
140	5700	18.28	23.61 < 24
144 (U-NII-2C)	5720	14.23	22.53 < 24

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

802.11ax (HE20) Beamforming

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.33	20.34
60	5300	20.20	20.25
64	5320	20.20	20.04
100	5500	20.17	20.19
116	5580	20.23	20.21
140	5700	20.17	20.04
144 (U-NII-2C)	5720	15.12	15.08
144 (U-NII-3)	5720	5.05	5.21

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.34	24.08 > 24
60	5300	20.20	24.05 > 24
64	5320	20.04	24.01 > 24
100	5500	20.17	24.04 > 24
116	5580	20.21	24.05 > 24
140	5700	20.04	24.01 > 24
144 (U-NII-2C)	5720	15.08	22.78 < 24

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

802.11ax (HE40) Beamforming

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	39.95	39.63
62	5310	39.80	39.70
102	5510	39.78	39.59
110	5550	39.96	39.75
134	5670	39.89	39.48
142 (U-NII-2C)	5710	34.88	34.74
142 (U-NII-3)	5710	4.97	4.88

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.63	26.98 > 24
62	5310	39.70	26.98 > 24
102	5510	39.59	26.97 > 24
110	5550	39.75	26.99 > 24
134	5670	39.48	26.96 > 24
142 (U-NII-2C)	5710	34.74	26.4 > 24

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

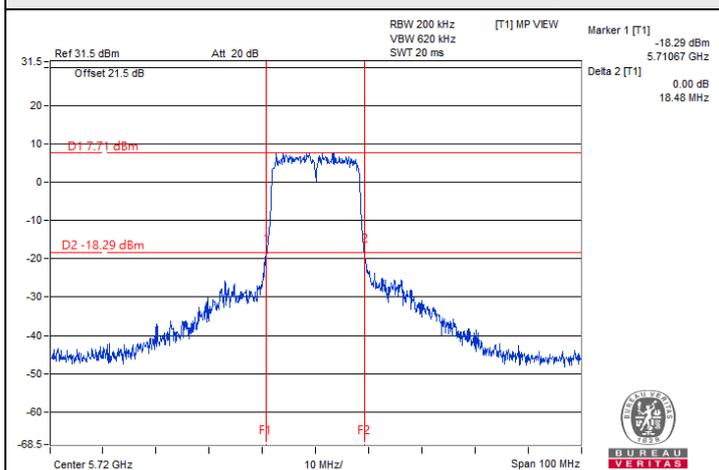
802.11ax (HE80) Beamforming

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	80.34	81.22
106	5530	80.91	80.40
122	5610	92.06	80.49
138 (U-NII-2C)	5690	75.49	75.20
138 (U-NII-3)	5690	15.91	5.16

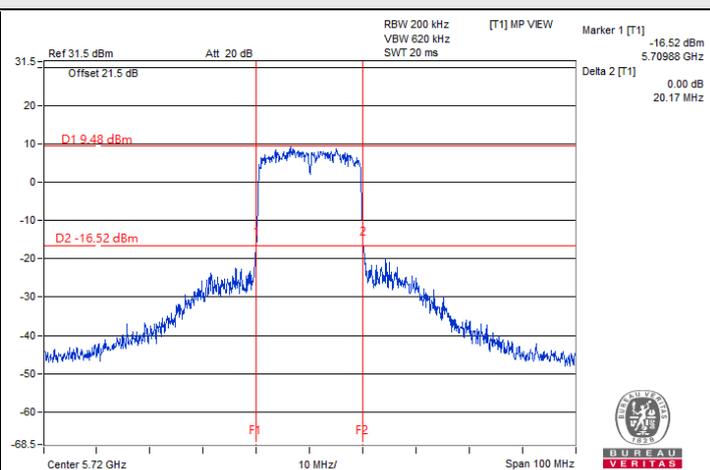
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	80.34	30.04 > 24
106	5530	80.40	30.05 > 24
122	5610	80.49	30.05 > 24
138 (U-NII-2C)	5690	75.20	29.76 > 24

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

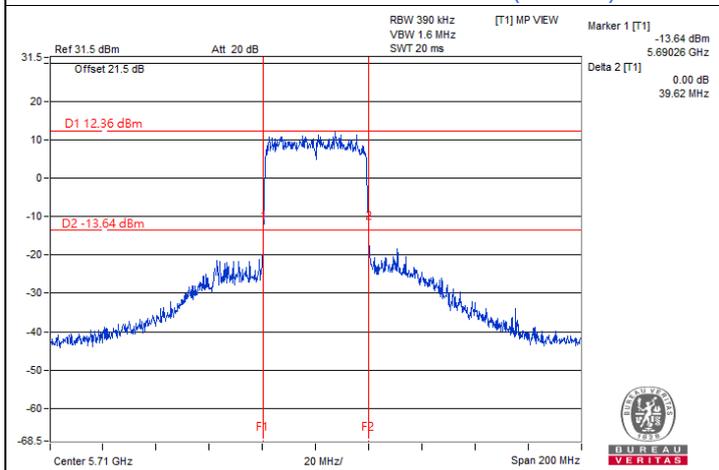
Spectrum Plot of Minimum Value



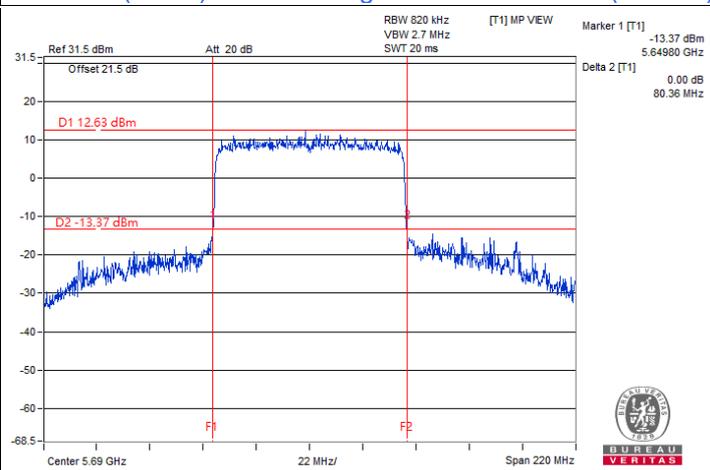
802.11a CDD / Chain 1 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

Input Power:	5 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu
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802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.52	18.85	166.273	22.21	30	Pass
40	5200	21.31	20.15	238.721	23.78	30	Pass
48	5240	19.91	19.90	195.673	22.92	30	Pass
52	5260	21.25	20.01	233.583	23.68	24	Pass
60	5300	20.30	19.94	205.78	23.13	24	Pass
64	5320	18.77	17.99	138.286	21.41	23.61	Pass
100	5500	15.02	15.40	66.442	18.22	23.65	Pass
116	5580	15.84	17.21	90.972	19.59	23.6	Pass
140	5700	15.50	16.20	77.168	18.87	23.61	Pass
*144 (U-NII-2C)	5720	15.30	15.88	106.498	20.27	22.53	Pass
*144 (U-NII-3)	5720	8.71	8.97	22.468	13.52	30	Pass
149	5745	18.28	18.61	139.908	21.46	30	Pass
157	5785	18.12	18.82	141.071	21.49	30	Pass
165	5825	17.84	18.20	126.883	21.03	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	18.64	19.05	153.467	21.86	28.53	Pass
40	5200	19.84	18.92	174.366	22.41	28.53	Pass
48	5240	20.48	19.44	199.589	23.00	28.53	Pass
52	5260	19.51	19.36	175.628	22.45	22.53	Pass
60	5300	20.01	18.81	176.263	22.46	22.53	Pass
64	5320	16.90	16.95	98.523	19.94	22.53	Pass
100	5500	14.91	15.33	65.093	18.14	22.53	Pass
116	5580	16.81	17.79	108.091	20.34	22.53	Pass
140	5700	15.45	16.27	77.439	18.89	22.53	Pass
*144 (U-NII-2C)	5720	14.47	14.92	90.383	19.56	21.31	Pass
*144 (U-NII-3)	5720	8.59	9.20	23.8	13.77	28.53	Pass
149	5745	18.01	18.54	134.691	21.29	28.53	Pass
157	5785	18.31	18.30	135.372	21.32	28.53	Pass
165	5825	17.94	18.44	132.053	21.21	28.53	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.47 - 6) = 28.53$ dBm.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.47 - 6)].
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.47 - 6)].
- For U-NII-3, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.47 - 6) = 28.53$ dBm.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	17.66	17.57	115.492	20.63	28.53	Pass
46	5230	20.27	20.13	209.453	23.21	28.53	Pass
54	5270	19.79	18.81	171.312	22.34	22.53	Pass
62	5310	14.79	14.83	60.539	17.82	22.53	Pass
102	5510	14.04	14.67	54.66	17.38	22.53	Pass
110	5550	17.11	18.46	121.55	20.85	22.53	Pass
134	5670	16.74	17.44	102.669	20.11	22.53	Pass
*142 (U-NII-2C)	5710	15.86	16.43	120.209	20.80	22.53	Pass
*142 (U-NII-3)	5710	6.08	6.80	12.882	11.10	28.53	Pass
151	5755	18.51	18.77	146.293	21.65	28.53	Pass
159	5795	18.65	19.21	156.651	21.95	28.53	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to $30-(7.47-6) = 28.53$ dBm.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.47-6)].
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.47-6)].
- For U-NII-3, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to $30-(7.47-6) = 28.53$ dBm.

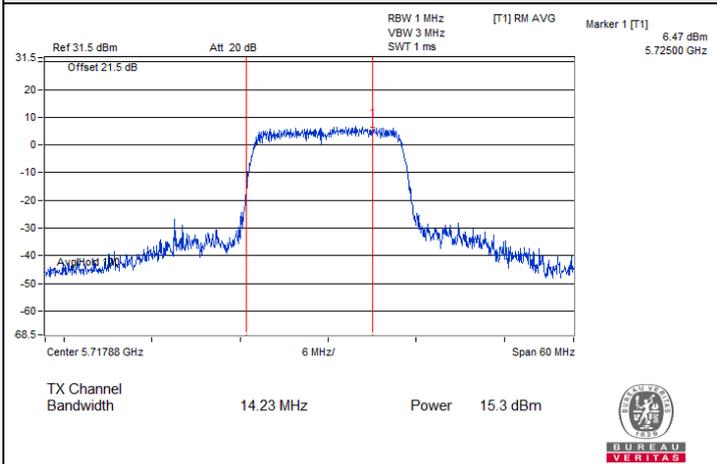
802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.04	16.68	97.141	19.87	28.53	Pass
58	5290	15.05	14.88	62.75	17.98	22.53	Pass
106	5530	12.85	13.69	42.664	16.30	22.53	Pass
122	5610	16.28	17.46	98.181	19.92	22.53	Pass
*138 (U-NII-2C)	5690	15.35	16.17	110.804	20.45	22.53	Pass
*138 (U-NII-3)	5690	1.05	1.89	4.127	6.16	28.53	Pass
155	5775	17.68	18.25	125.448	20.98	28.53	Pass

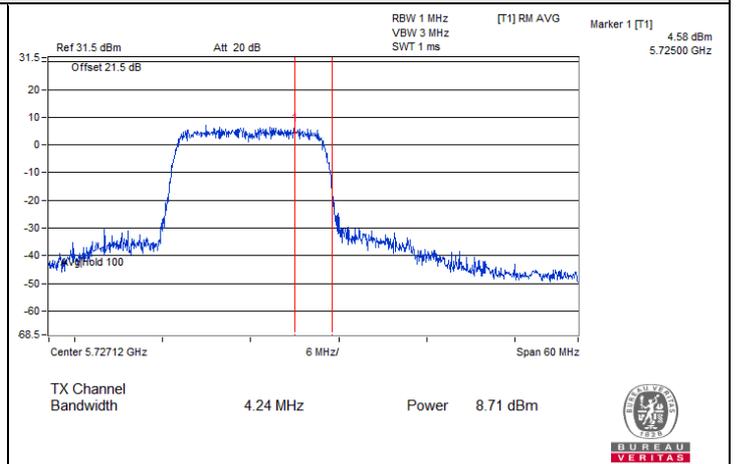
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to $30-(7.47-6) = 28.53$ dBm.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.47-6)].
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.47-6)].
- For U-NII-3, the directional gain is 7.47 dBi > 6 dBi, so the output power limit shall be reduced to $30-(7.47-6) = 28.53$ dBm.

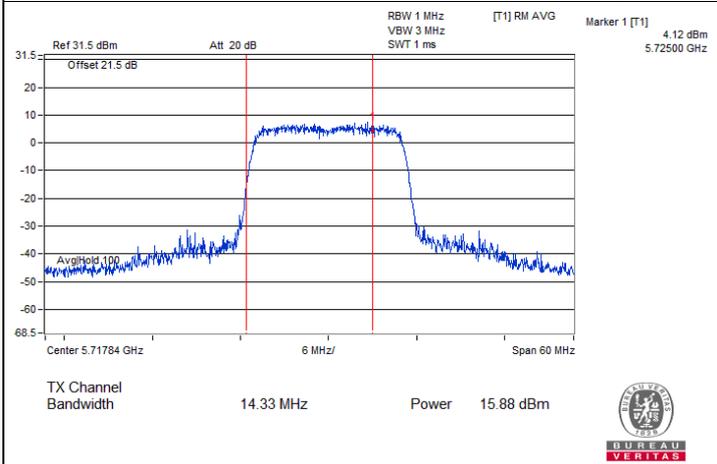
Spectrum Plot for channel straddling



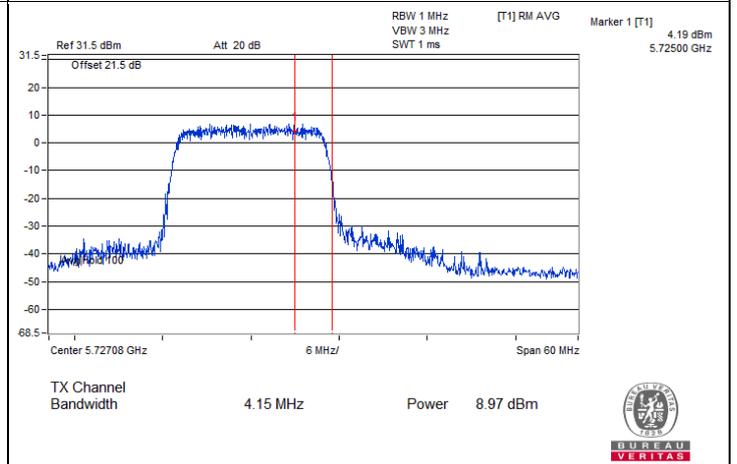
802.11a CDD / Chain 0 : CH 144 (U-NII-2C)



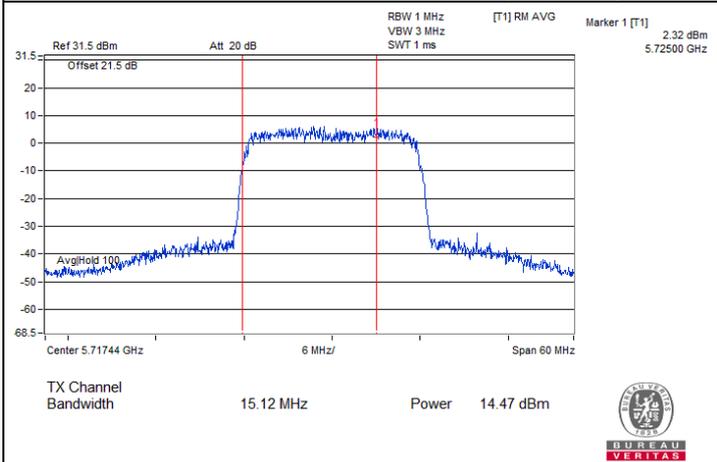
802.11a CDD / Chain 0 : CH 144 (U-NII-3)



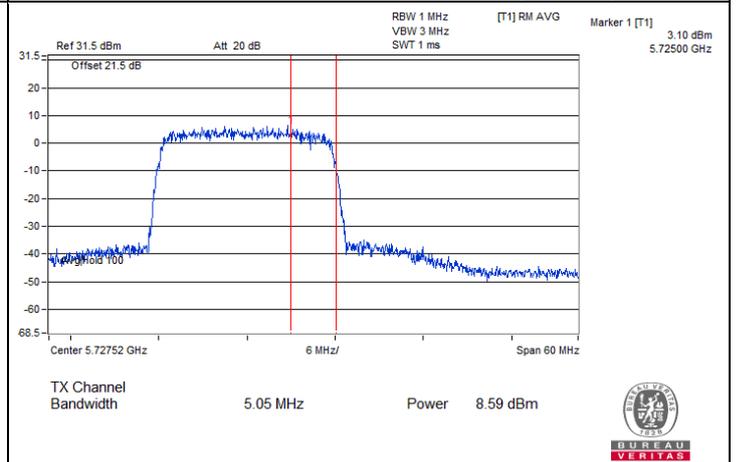
802.11a CDD / Chain 1 : CH 144 (U-NII-2C)



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



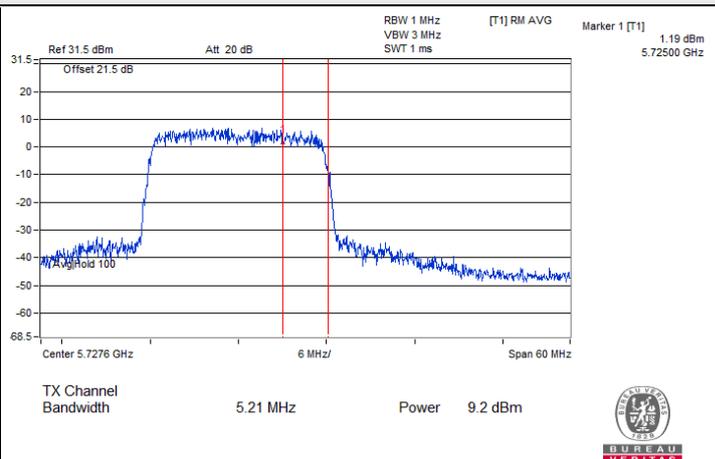
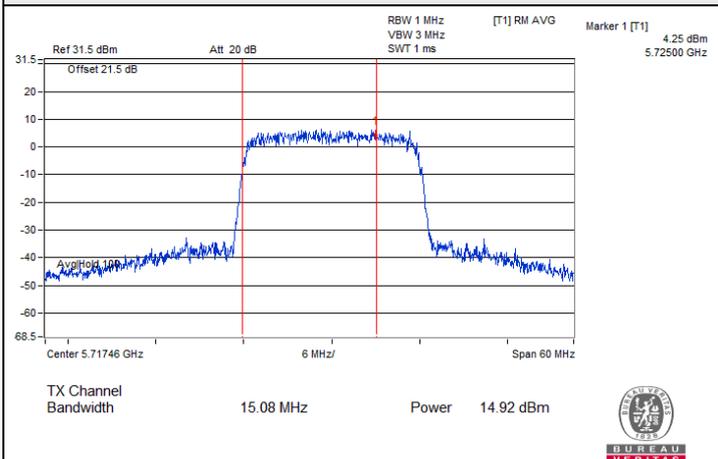
802.11ax (HE20) Beamforming / Chain 0 : CH 144 (U-NII-2C)



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

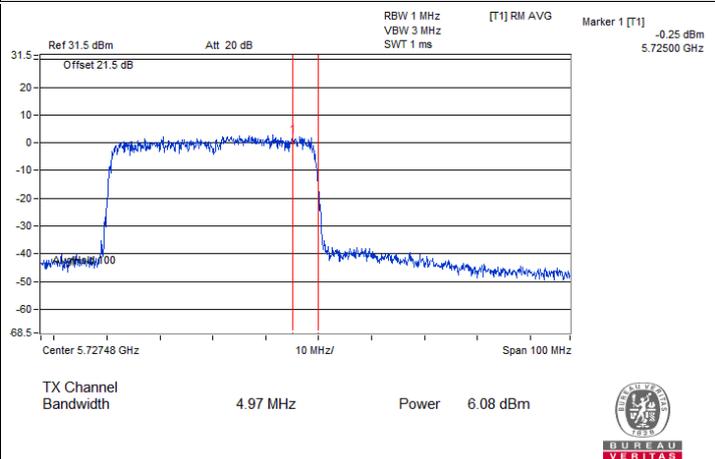
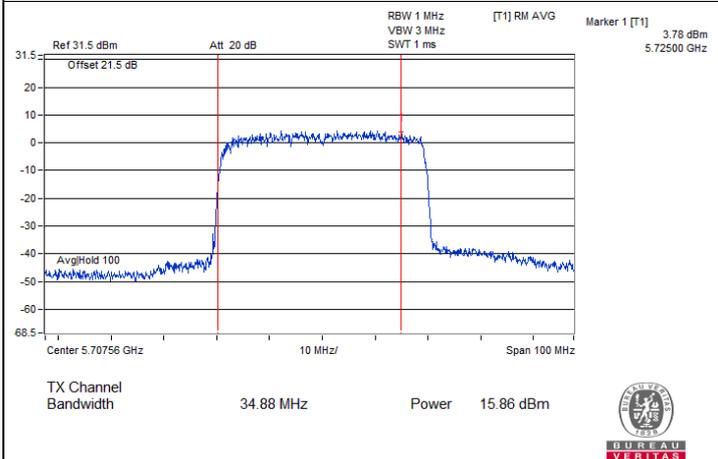


Spectrum Plot for channel straddling



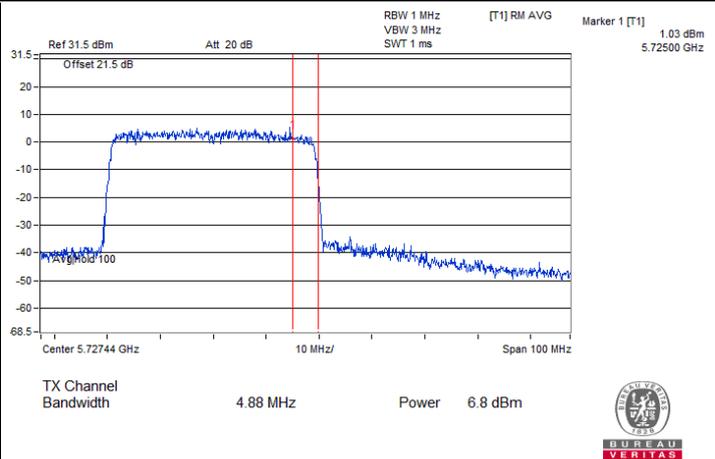
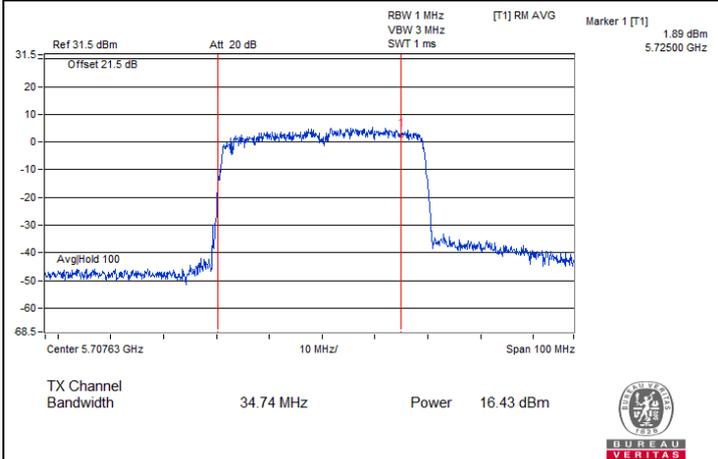
802.11ax (HE20) Beamforming / Chain 1 : CH 144 (U-NII-2C)

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



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

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

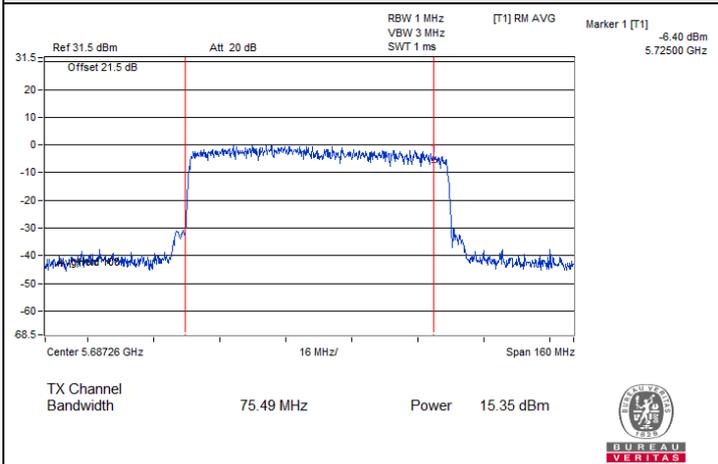


802.11ax (HE40) Beamforming / Chain 1 : CH 142 (U-NII-2C)

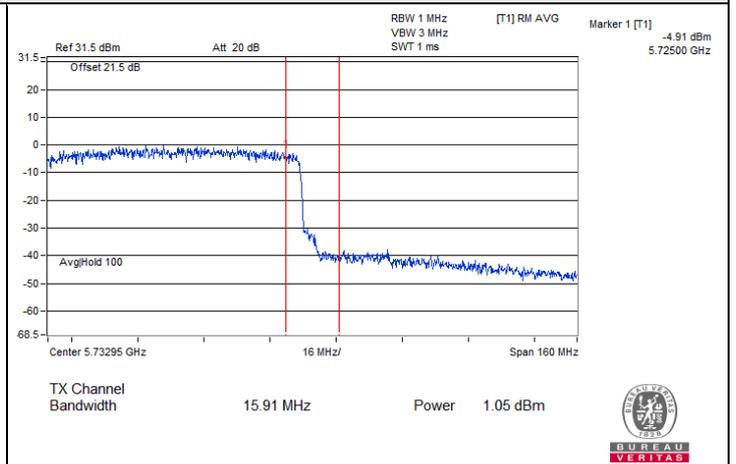
802.11ax (HE40) Beamforming / Chain 1 : CH 142 (U-NII-3)



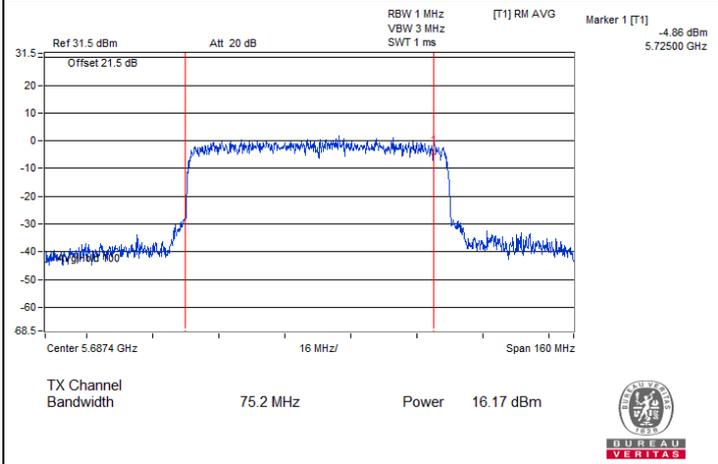
Spectrum Plot for channel straddling



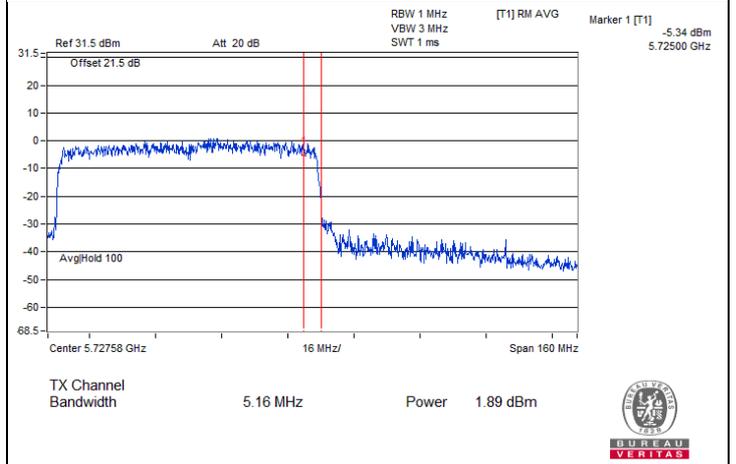
802.11ax (HE80) Beamforming / Chain 0 : CH 138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Input Power:	5 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu
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802.11a CDD

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	4.93	5.25	1.66	9.76	15.53	Pass
40	5200	6.55	6.58	1.66	11.24	15.53	Pass
48	5240	6.03	6.27	1.66	10.82	15.53	Pass
52	5260	4.54	4.58	1.66	9.23	9.53	Pass
60	5300	4.55	4.91	1.66	9.40	9.53	Pass
64	5320	4.18	3.07	1.66	8.33	9.53	Pass
100	5500	1.57	2.15	1.66	6.54	9.53	Pass
116	5580	3.97	2.72	1.66	8.06	9.53	Pass
140	5700	2.91	2.21	1.66	7.24	9.53	Pass
144 (U-NII-2C)	5720	5.21	4.27	1.66	9.44	9.53	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 7.47 dBi > 6dBi, so the power density limit shall be reduced to $17-(7.47-6) = 15.53$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.47-6) = 9.53$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.47-6) = 9.53$ dBm/MHz.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	3.18	3.99	1.85	8.46	15.53	Pass
40	5200	4.26	4.77	1.85	9.38	15.53	Pass
48	5240	4.44	5.21	1.85	9.70	15.53	Pass
52	5260	4.17	4.83	1.85	9.37	9.53	Pass
60	5300	4.38	4.17	1.85	9.14	9.53	Pass
64	5320	2.01	1.63	1.85	6.68	9.53	Pass
100	5500	-0.03	0.70	1.85	5.21	9.53	Pass
116	5580	3.35	2.41	1.85	7.77	9.53	Pass
140	5700	1.72	1.14	1.85	6.30	9.53	Pass
144 (U-NII-2C)	5720	3.78	3.34	1.85	8.43	9.53	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 7.47 dBi > 6dBi, so the power density limit shall be reduced to $17 - (7.47 - 6) = 15.53$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.47 - 6) = 9.53$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.47 - 6) = 9.53$ dBm/MHz.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
38	5190	0.25	-0.09	1.63	4.72	15.53	Pass
46	5230	2.42	2.89	1.63	7.30	15.53	Pass
54	5270	1.09	1.19	1.63	5.78	9.53	Pass
62	5310	-2.67	-3.00	1.63	1.81	9.53	Pass
102	5510	-3.45	-3.34	1.63	1.25	9.53	Pass
110	5550	0.38	0.47	1.63	5.07	9.53	Pass
134	5670	0.23	-0.19	1.63	4.67	9.53	Pass
142 (U-NII-2C)	5710	2.26	1.23	1.63	6.42	9.53	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 7.47 dBi > 6dBi, so the power density limit shall be reduced to $17-(7.47-6) = 15.53$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.47-6) = 9.53$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.47-6) = 9.53$ dBm/MHz.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-3.56	-3.67	1.66	1.06	15.53	Pass
58	5290	-5.61	-5.97	1.66	-1.12	9.53	Pass
106	5530	-5.98	-6.77	1.66	-1.69	9.53	Pass
122	5610	-2.05	-3.21	1.66	2.08	9.53	Pass
138 (U-NII-2C)	5690	-1.28	-2.12	1.66	2.99	9.53	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 7.47 dBi > 6dBi, so the power density limit shall be reduced to $17-(7.47-6) = 15.53$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.47-6) = 9.53$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.47-6) = 9.53$ dBm/MHz.

802.11a CDD

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-0.40	-1.02	2.31	1.66	6.19	28.53	Pass
149	5745	0.79	0.44	3.63	1.66	7.51	28.53	Pass
157	5785	0.51	0.23	3.38	1.66	7.26	28.53	Pass
165	5825	0.49	0.10	3.31	1.66	7.19	28.53	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 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.47 - 6) = 28.53$ dBm/500kHz.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-2.22	-2.32	0.74	1.85	4.81	28.53	Pass
149	5745	-1.36	-1.51	1.58	1.85	5.65	28.53	Pass
157	5785	-0.30	-0.25	2.74	1.85	6.81	28.53	Pass
165	5825	-0.78	-1.02	2.11	1.85	6.18	28.53	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 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.47 - 6) = 28.53$ dBm/500kHz.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
142 (U-NII-3)	5710	-4.41	-4.31	-1.35	1.63	2.50	28.53	Pass
151	5755	-3.10	-3.29	-0.18	1.63	3.67	28.53	Pass
159	5795	-2.70	-3.28	0.03	1.63	3.88	28.53	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 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.47 - 6) = 28.53$ dBm/500kHz.

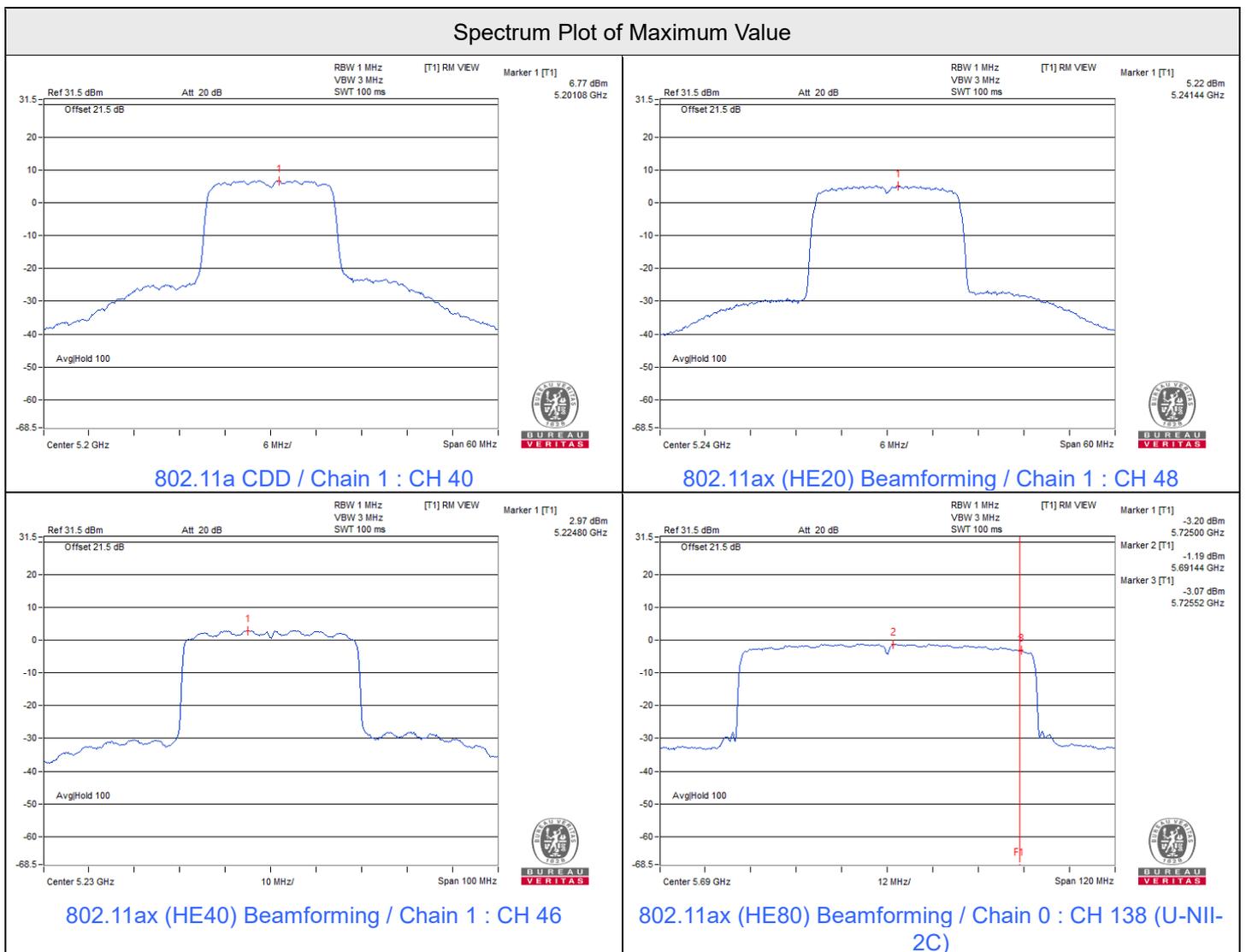


802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
138 (U-NII-3)	5690	-7.98	-8.81	-5.36	1.66	-1.48	28.53	Pass
155	5775	-6.39	-7.31	-3.82	1.66	0.06	28.53	Pass

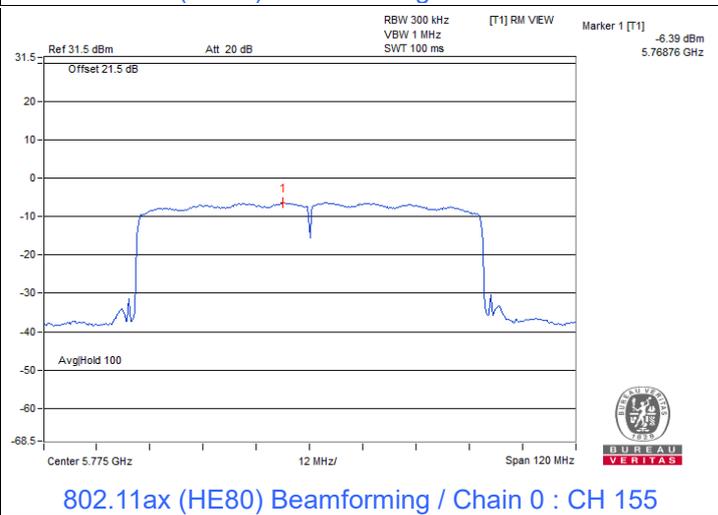
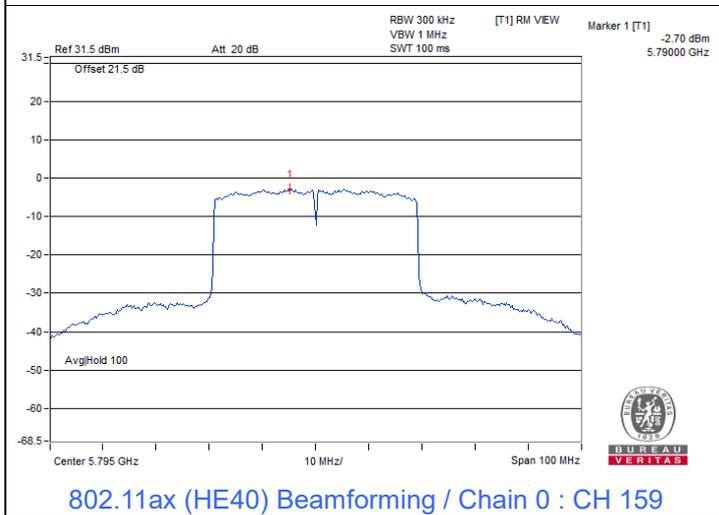
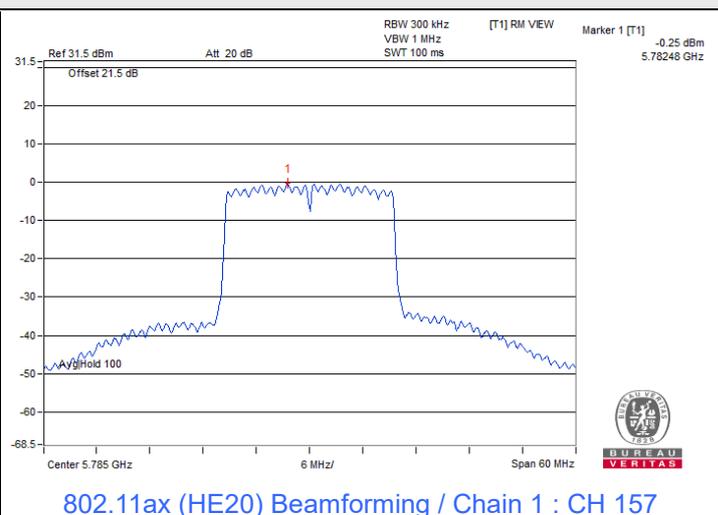
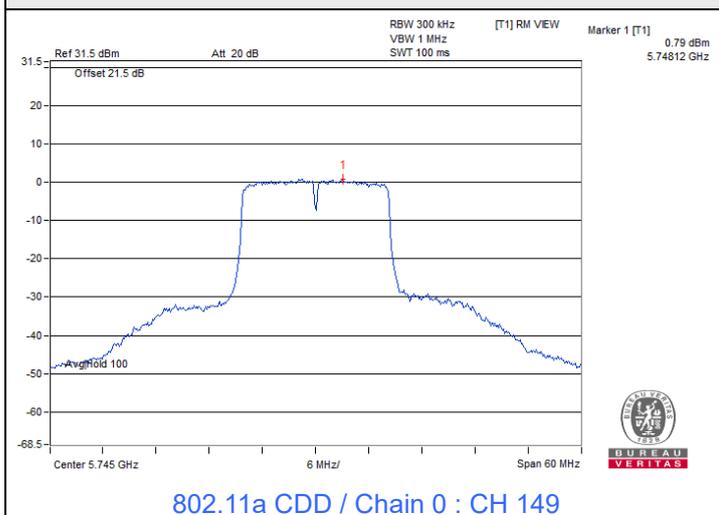
Notes:

- 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 7.47 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.47 - 6) = 28.53 \text{ dBm/500kHz}$.





Spectrum Plot of Maximum Value



7.4 6 dB Bandwidth

Input Power:	5 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu
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802.11a CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.11	3.13	0.5	Pass
149	5745	16.29	16.36	0.5	Pass
157	5785	16.31	16.30	0.5	Pass
165	5825	16.32	16.35	0.5	Pass

802.11ax (HE20) Beamforming

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.36	4.19	0.5	Pass
149	5745	18.37	18.52	0.5	Pass
157	5785	18.66	18.62	0.5	Pass
165	5825	18.78	18.02	0.5	Pass

802.11ax (HE40) Beamforming

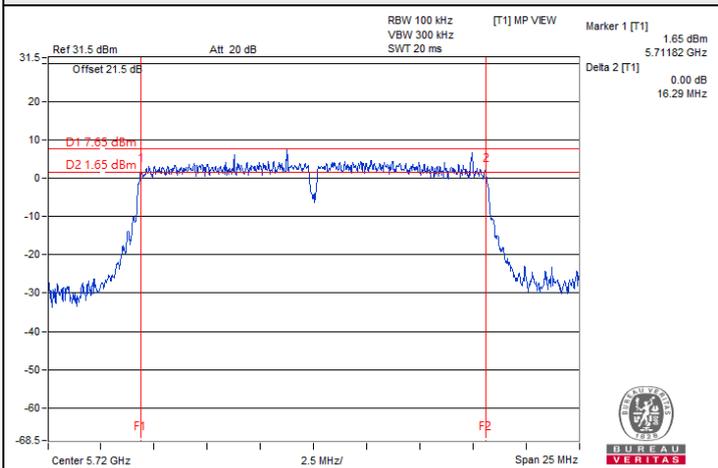
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.62	2.87	0.5	Pass
151	5755	37.52	36.78	0.5	Pass
159	5795	36.81	37.68	0.5	Pass

802.11ax (HE80) Beamforming

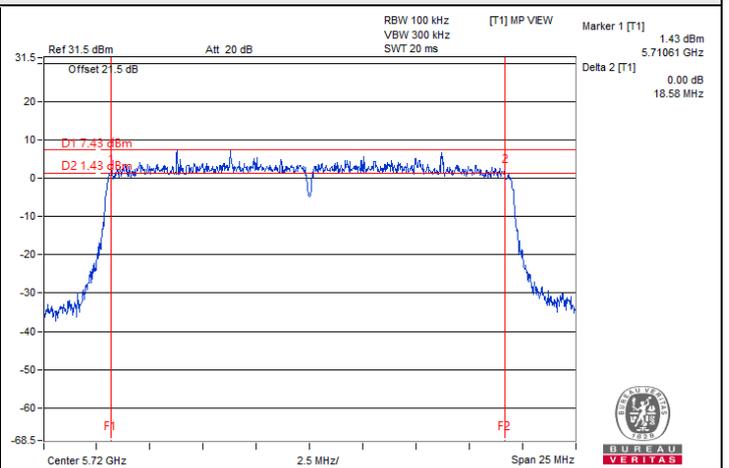
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.47	2.94	0.5	Pass
155	5775	77.59	74.94	0.5	Pass



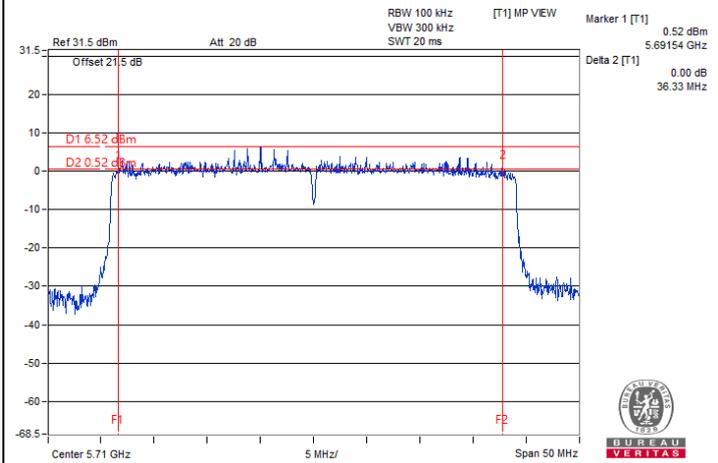
Spectrum Plot of Minimum Value



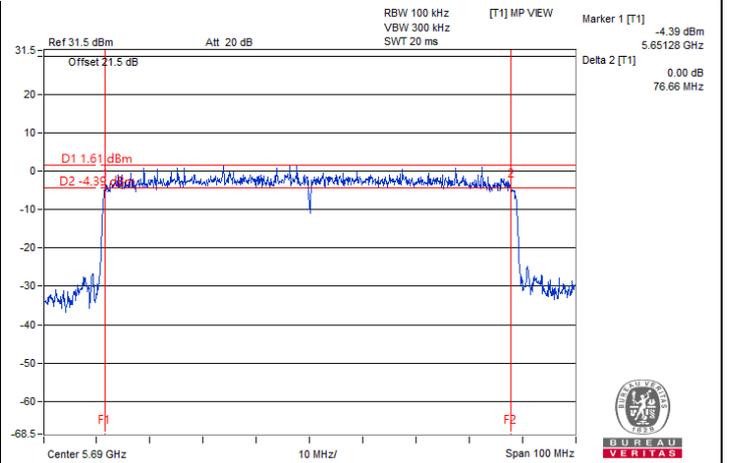
802.11a CDD / Chain 0 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

Input Power:	5 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu
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802.11a CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.56	22.02
40	5200	16.44	16.44
48	5240	16.38	16.38
52	5260	16.44	16.50
60	5300	16.50	16.50
64	5320	16.38	16.38
100	5500	16.38	16.38
116	5580	16.38	16.44
140	5700	16.44	16.44
144 (U-NII-2C)	5720	13.22	13.22
144 (U-NII-3)	5720	3.22	3.16
149	5745	16.38	16.44
157	5785	16.44	16.44
165	5825	16.44	16.44

802.11ax (HE20) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.84
40	5200	18.90	18.96
48	5240	18.90	18.84
52	5260	18.96	18.96
60	5300	18.90	18.84
64	5320	18.90	18.90
100	5500	18.84	18.84
116	5580	18.90	18.84
140	5700	18.90	18.90
144 (U-NII-2C)	5720	14.54	14.42
144 (U-NII-3)	5720	4.36	4.42
149	5745	18.84	18.84
157	5785	18.84	18.96
165	5825	18.90	18.90

802.11ax (HE40) Beamforming

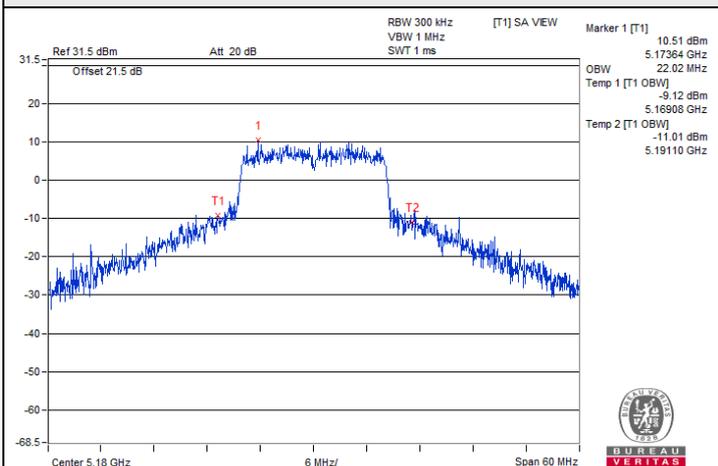
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	37.92	37.92
54	5270	37.92	37.92
62	5310	38.04	38.04
102	5510	37.80	37.80
110	5550	38.04	37.92
134	5670	37.68	37.80
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	4.08	4.08
151	5755	37.92	37.92
159	5795	38.04	38.16

802.11ax (HE80) Beamforming

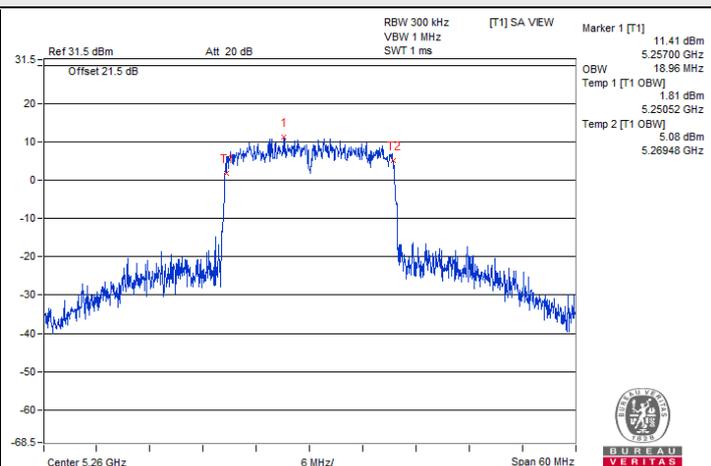
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.80	77.04
58	5290	77.04	77.04
106	5530	76.80	77.04
122	5610	77.04	76.80
138 (U-NII-2C)	5690	73.40	73.64
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.04	77.04



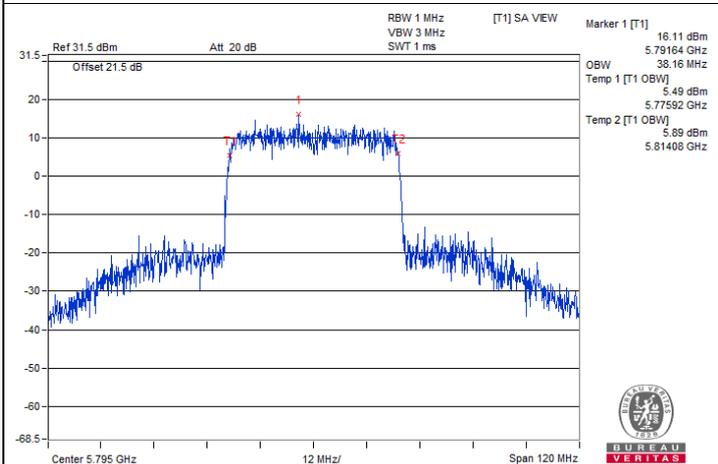
Spectrum Plot of Maximum Value



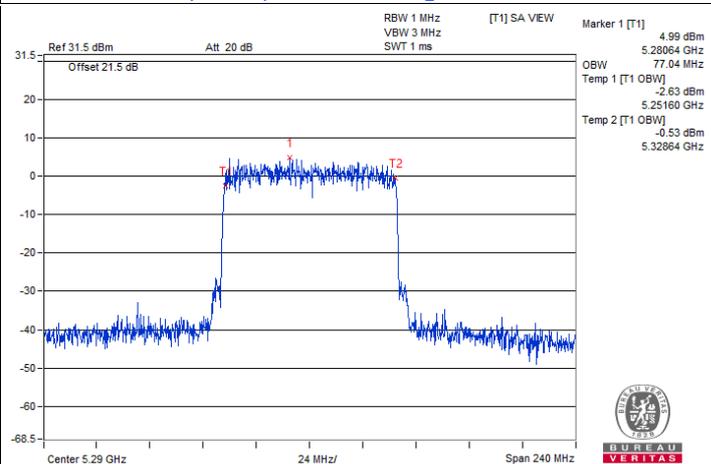
802.11a CDD / Chain 1 : CH 36



802.11ax (HE20) Beamforming / Chain 0 : CH 52

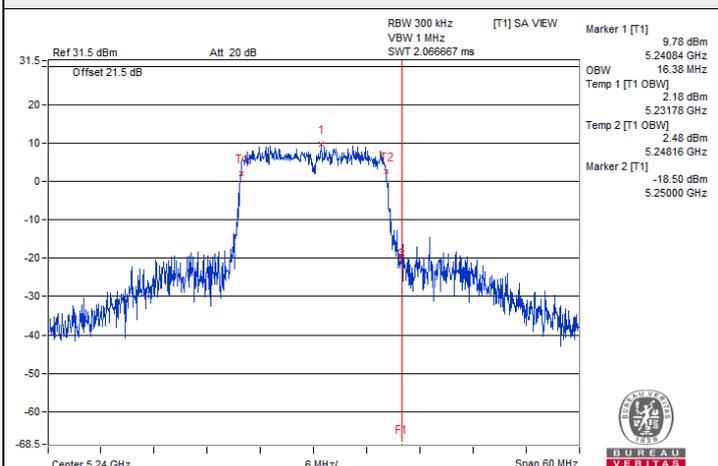


802.11ax (HE40) Beamforming / Chain 1 : CH 159

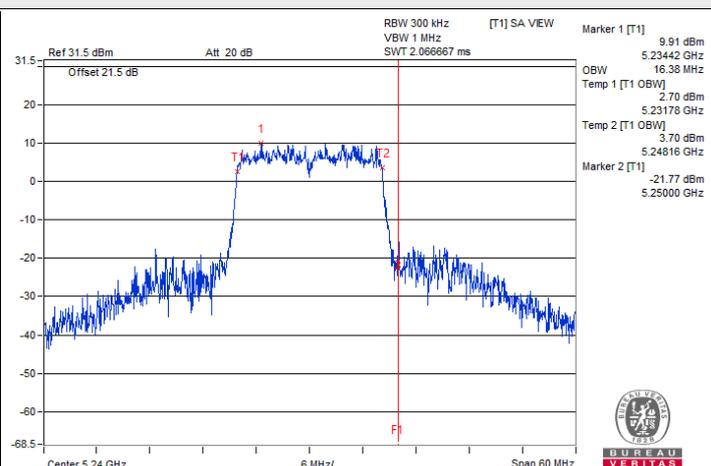


802.11ax (HE80) Beamforming / Chain 0 : CH 58

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



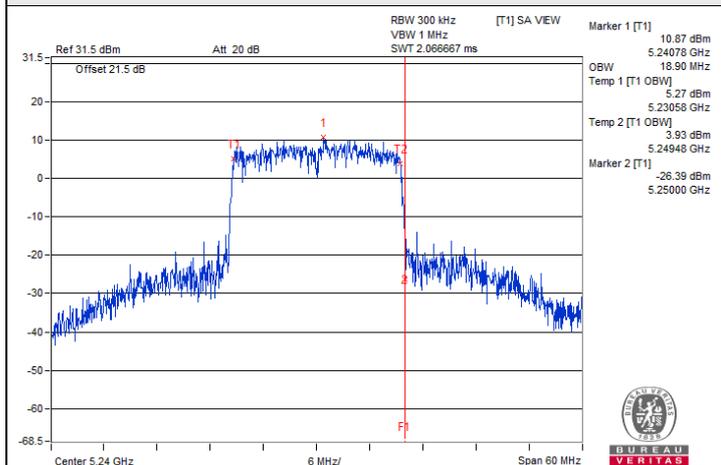
802.11a CDD / Chain 0 : CH 48



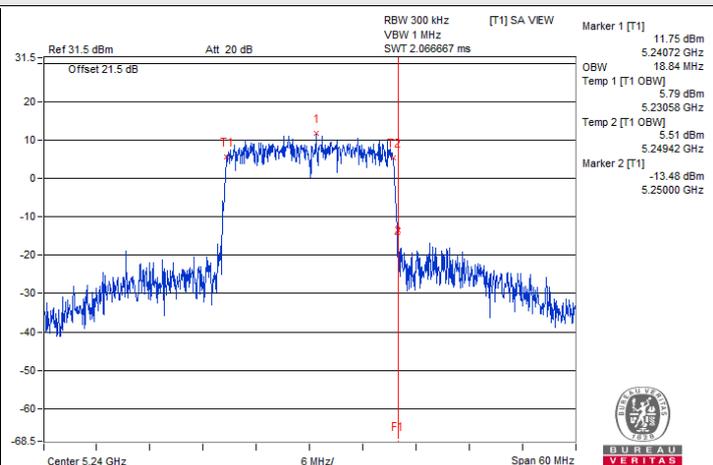
802.11a CDD / Chain 1 : CH 48



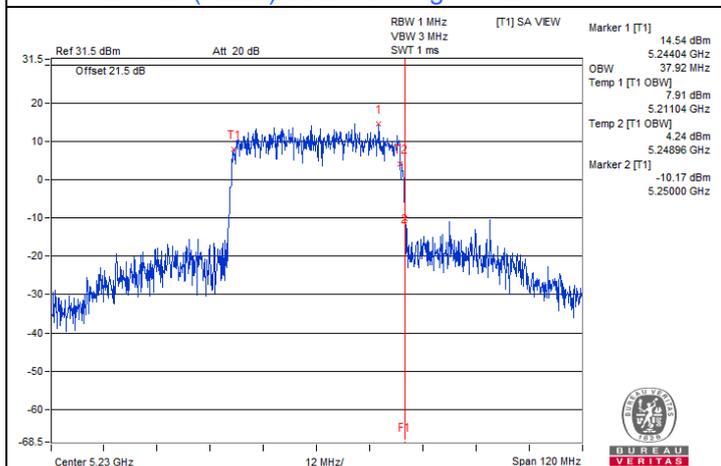
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



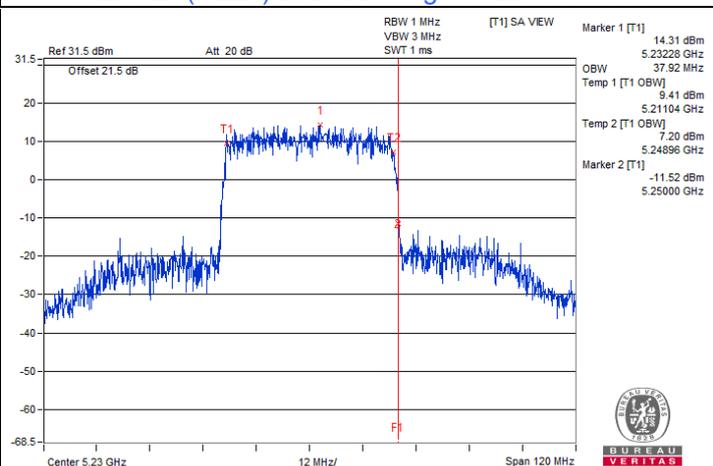
802.11ax (HE20) Beamforming / Chain 0 : CH 48



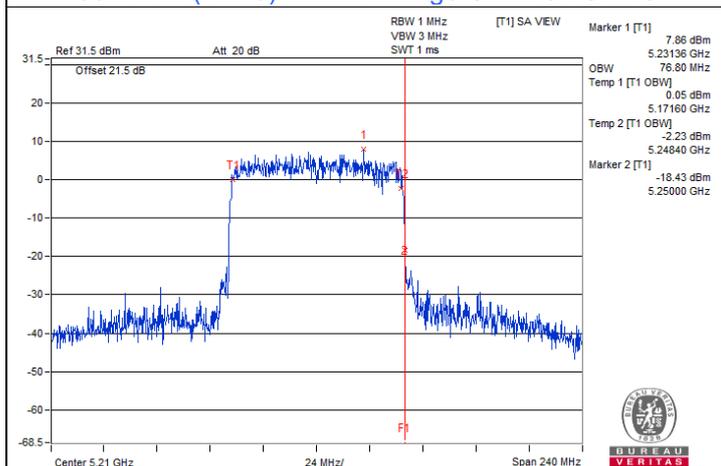
802.11ax (HE20) Beamforming / Chain 1 : CH 48



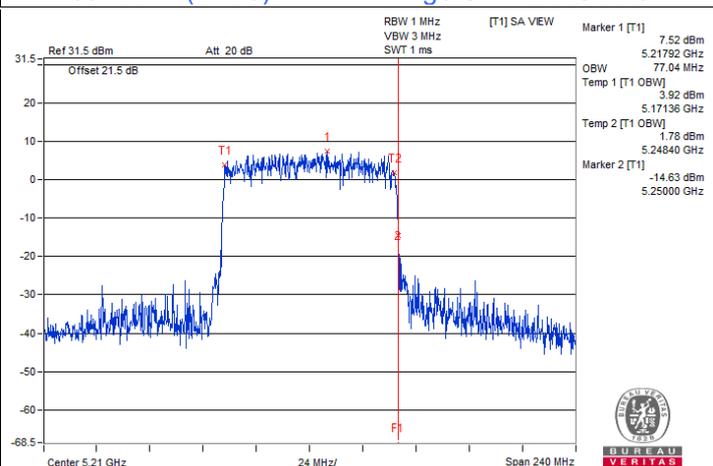
802.11ax (HE40) Beamforming / Chain 0 : CH 46



802.11ax (HE40) Beamforming / Chain 1 : CH 46



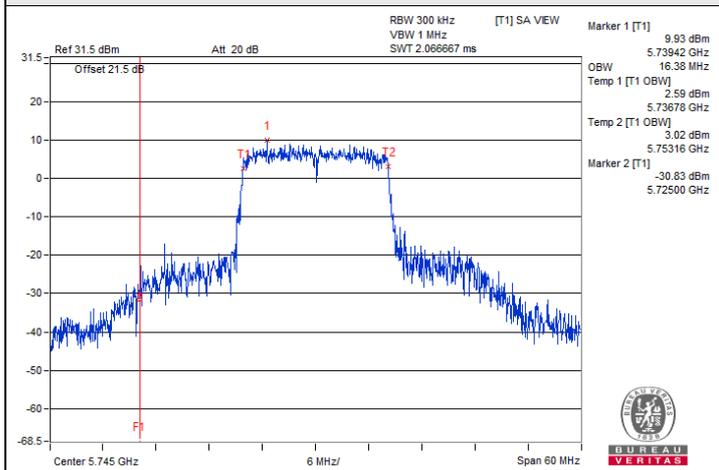
802.11ax (HE80) Beamforming / Chain 0 : CH 42



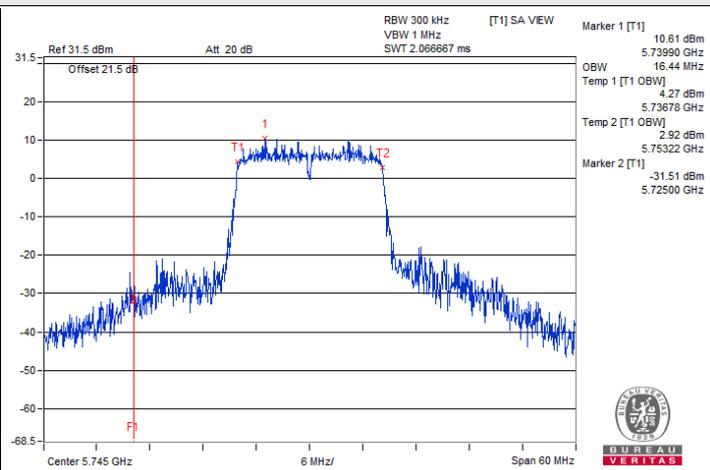
802.11ax (HE80) Beamforming / Chain 1 : CH 42



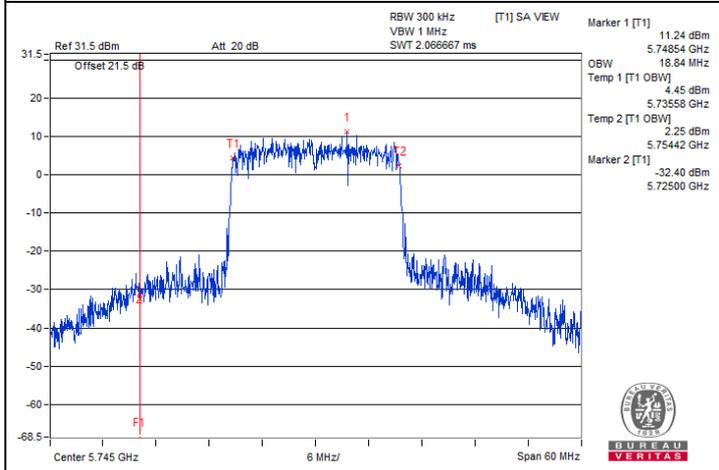
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



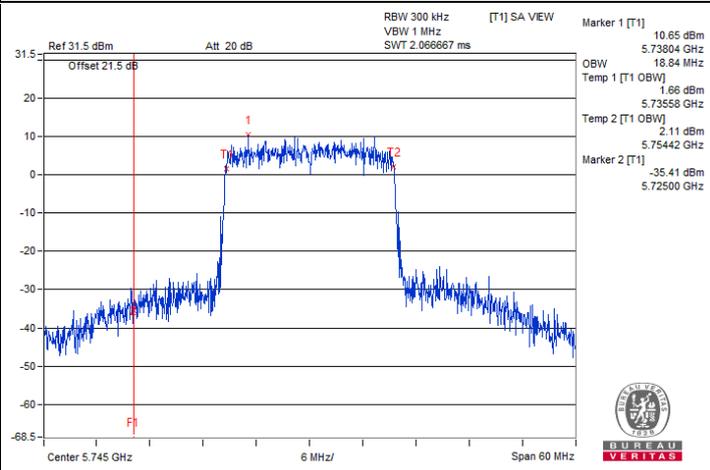
802.11a CDD / Chain 0 : CH 149



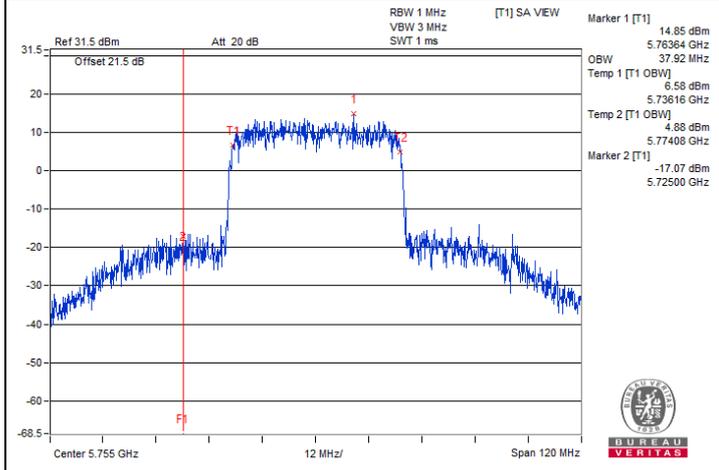
802.11a CDD / Chain 1 : CH 149



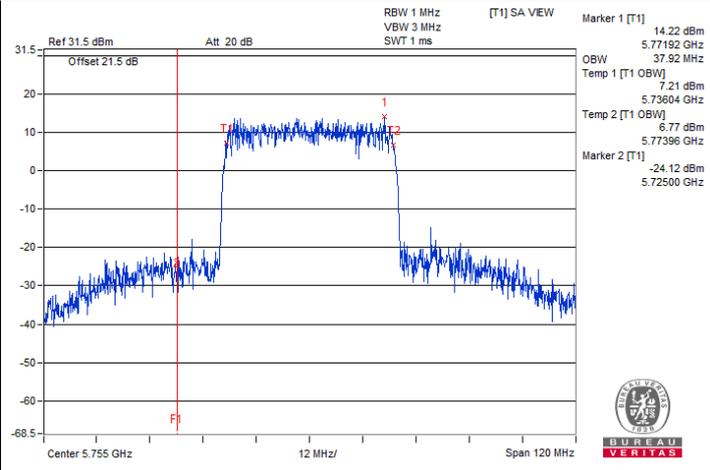
802.11ax (HE20) Beamforming / Chain 0 : CH 149



802.11ax (HE20) Beamforming / Chain 1 : CH 149

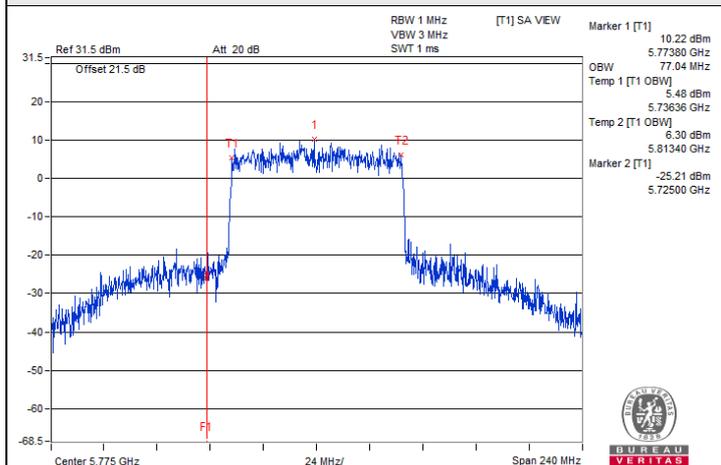


802.11ax (HE40) Beamforming / Chain 0 : CH 151

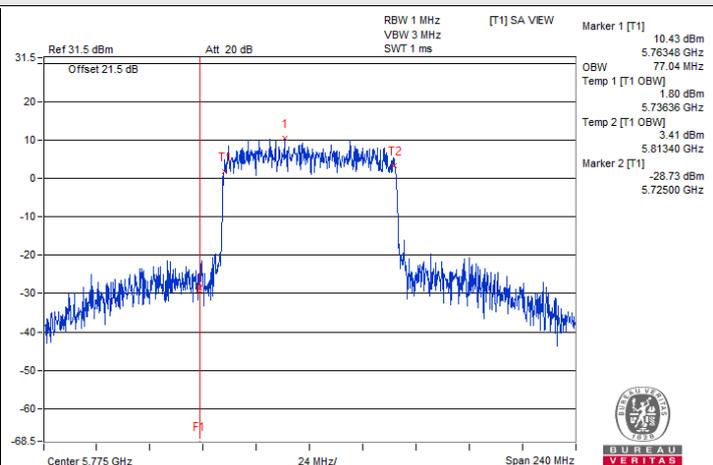


802.11ax (HE40) Beamforming / Chain 1 : CH 151

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



802.11ax (HE80) Beamforming / Chain 0 : CH 155



802.11ax (HE80) Beamforming / Chain 1 : CH 155

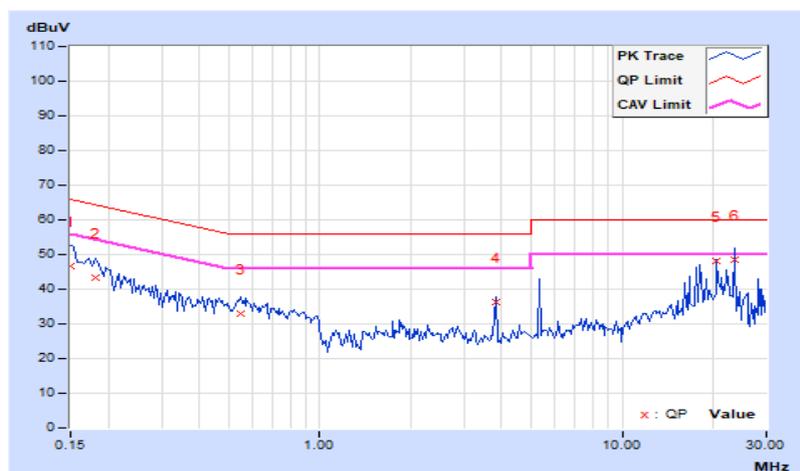
7.6 AC Power Conducted Emissions

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

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.99	36.54	24.94	46.53	34.93	66.00	56.00	-19.47	-21.07
2	0.18125	10.02	33.35	22.32	43.37	32.34	64.43	54.43	-21.06	-22.09
3	0.54844	10.05	22.79	15.46	32.84	25.51	56.00	46.00	-23.16	-20.49
4	3.80859	10.29	26.08	23.81	36.37	34.10	56.00	46.00	-19.63	-11.90
5	20.58203	11.14	37.03	32.72	48.17	43.86	60.00	50.00	-11.83	-6.14
6	23.63281	11.18	37.35	31.91	48.53	43.09	60.00	50.00	-11.47	-6.91

Remarks:

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

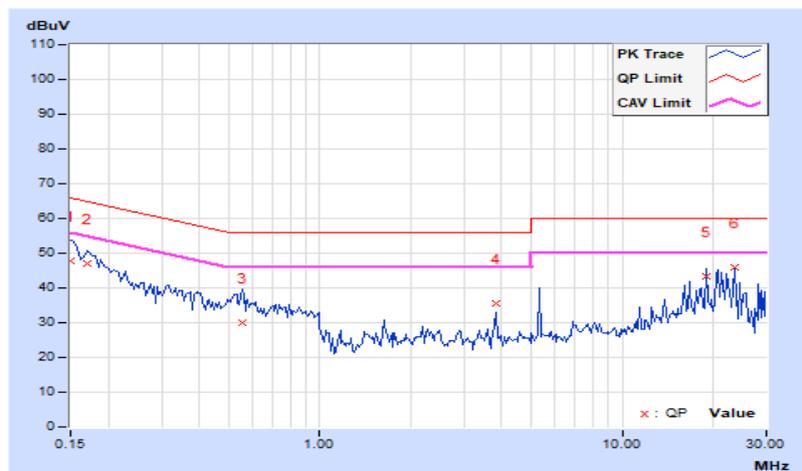


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.01	37.75	21.78	47.76	31.79	66.00	56.00	-18.24	-24.21
2	0.16953	10.02	36.89	20.75	46.91	30.77	64.98	54.98	-18.07	-24.21
3	0.55234	10.04	20.00	10.58	30.04	20.62	56.00	46.00	-25.96	-25.38
4	3.81250	10.26	25.28	21.94	35.54	32.20	56.00	46.00	-20.46	-13.80
5	19.05859	10.98	32.39	27.26	43.37	38.24	60.00	50.00	-16.63	-11.76
6	23.63281	11.00	34.80	30.05	45.80	41.05	60.00	50.00	-14.20	-8.95

Remarks:

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



7.7 Unwanted Emissions below 1 GHz

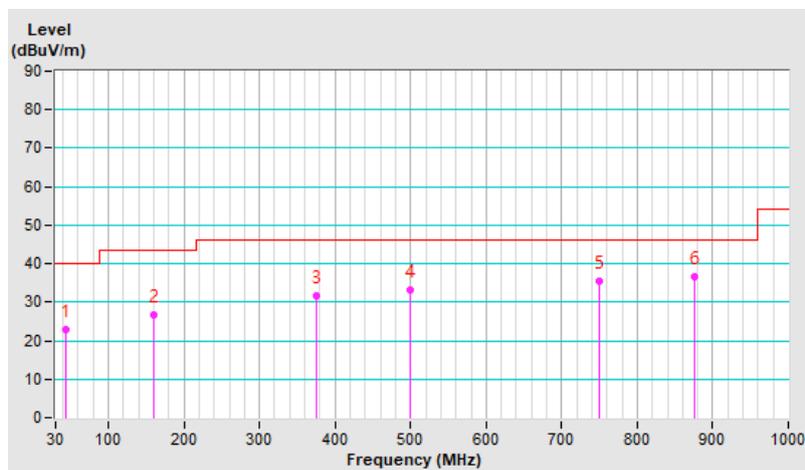
RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Tank Wu		

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	42.95	22.8 QP	40.0	-17.2	1.00 H	62	35.9	-13.1
2	159.35	26.6 QP	43.5	-16.9	2.00 H	277	39.5	-12.9
3	375.00	31.8 QP	46.0	-14.2	1.00 H	226	42.3	-10.5
4	500.01	33.3 QP	46.0	-12.7	2.00 H	209	40.6	-7.3
5	750.01	35.4 QP	46.0	-10.6	1.00 H	212	37.4	-2.0
6	874.99	36.4 QP	46.0	-9.6	1.00 H	196	37.0	-0.6

Remarks:

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

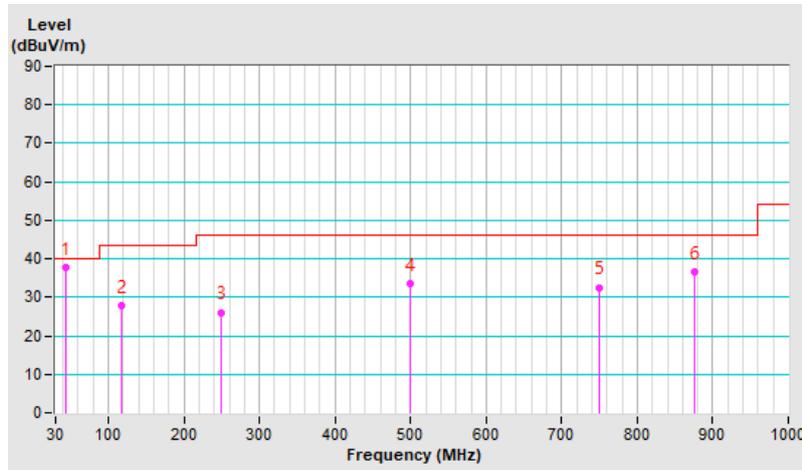


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65% RH
Tested By	Tank Wu		

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	42.97	37.6 QP	40.0	-2.4	1.00 V	262	50.7	-13.1
2	117.47	27.8 QP	43.5	-15.7	1.00 V	177	42.9	-15.1
3	250.00	26.1 QP	46.0	-19.9	1.00 V	236	40.2	-14.1
4	499.99	33.5 QP	46.0	-12.5	1.00 V	265	40.8	-7.3
5	750.01	32.6 QP	46.0	-13.4	2.00 V	179	34.6	-2.0
6	874.99	36.6 QP	46.0	-9.4	1.00 V	157	37.2	-0.6

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

CDD

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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	69.4 PK	74.0	-4.6	1.14 H	9	64.1	5.3
2	5150.00	50.2 AV	54.0	-3.8	1.14 H	9	44.9	5.3
3	*5180.00	112.4 PK			1.14 H	9	107.0	5.4
4	*5180.00	102.9 AV			1.14 H	9	97.5	5.4
5	#10360.00	62.5 PK	68.2	-5.7	1.10 H	18	48.0	14.5
6	15540.00	64.5 PK	74.0	-9.5	1.10 H	10	47.8	16.7
7	15540.00	51.9 AV	54.0	-2.1	1.10 H	10	35.2	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	71.9 PK	74.0	-2.1	2.38 V	41	66.6	5.3
2	5150.00	52.4 AV	54.0	-1.6	2.38 V	41	47.1	5.3
3	*5180.00	114.1 PK			2.38 V	41	108.7	5.4
4	*5180.00	104.8 AV			2.38 V	41	99.4	5.4
5	#10360.00	65.9 PK	68.2	-2.3	1.17 V	286	51.4	14.5
6	15540.00	60.6 PK	74.0	-13.4	1.21 V	5	43.9	16.7
7	15540.00	48.1 AV	54.0	-5.9	1.21 V	5	31.4	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	802.11a	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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	60.5 PK	74.0	-13.5	1.04 H	4	55.2	5.3
2	5150.00	43.2 AV	54.0	-10.8	1.04 H	4	37.9	5.3
3	*5200.00	113.7 PK			1.04 H	4	108.3	5.4
4	*5200.00	103.8 AV			1.04 H	4	98.4	5.4
5	#10400.00	62.1 PK	68.2	-6.1	1.15 H	21	47.6	14.5
6	15600.00	64.3 PK	74.0	-9.7	1.03 H	21	47.5	16.8
7	15600.00	51.7 AV	54.0	-2.3	1.03 H	21	34.9	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.4 PK	74.0	-11.6	2.37 V	17	57.1	5.3
2	5150.00	44.1 AV	54.0	-9.9	2.37 V	17	38.8	5.3
3	*5200.00	115.6 PK			2.37 V	17	110.2	5.4
4	*5200.00	106.4 AV			2.37 V	17	101.0	5.4
5	#10400.00	64.8 PK	68.2	-3.4	1.14 V	295	50.3	14.5
6	15600.00	60.9 PK	74.0	-13.1	1.41 V	10	44.1	16.8
7	15600.00	48.6 AV	54.0	-5.4	1.41 V	10	31.8	16.8

Remarks:

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



RF Mode	802.11a	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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	113.2 PK			1.02 H	6	108.0	5.2
2	*5240.00	103.6 AV			1.02 H	6	98.4	5.2
3	#10480.00	62.9 PK	68.2	-5.3	1.32 H	25	48.2	14.7
4	15720.00	65.2 PK	74.0	-8.8	1.03 H	11	48.7	16.5
5	15720.00	51.8 AV	54.0	-2.2	1.03 H	11	35.3	16.5

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.7 PK			2.31 V	38	110.5	5.2
2	*5240.00	106.5 AV			2.31 V	38	101.3	5.2
3	#10480.00	65.1 PK	68.2	-3.1	1.16 V	291	50.4	14.7
4	15720.00	60.9 PK	74.0	-13.1	1.05 V	25	44.4	16.5
5	15720.00	48.6 AV	54.0	-5.4	1.05 V	25	32.1	16.5

Remarks:

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



RF Mode	802.11a	Channel	CH 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	*5260.00	113.1 PK			1.05 H	5	107.9	5.2
2	*5260.00	104.1 AV			1.05 H	5	98.9	5.2
3	#10520.00	62.5 PK	68.2	-5.7	1.07 H	23	47.7	14.8
4	15780.00	64.5 PK	74.0	-9.5	1.04 H	9	48.1	16.4
5	15780.00	51.5 AV	54.0	-2.5	1.04 H	9	35.1	16.4

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	115.7 PK			2.45 V	18	110.5	5.2
2	*5260.00	106.4 AV			2.45 V	18	101.2	5.2
3	#10520.00	64.9 PK	68.2	-3.3	1.21 V	296	50.1	14.8
4	15780.00	60.7 PK	74.0	-13.3	1.12 V	32	44.3	16.4
5	15780.00	48.1 AV	54.0	-5.9	1.12 V	32	31.7	16.4

Remarks:

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



RF Mode	802.11a	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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	114.3 PK			1.01 H	7	109.0	5.3
2	*5300.00	104.8 AV			1.01 H	7	99.5	5.3
3	5350.00	62.6 PK	74.0	-11.4	1.01 H	7	57.2	5.4
4	5350.00	44.3 AV	54.0	-9.7	1.01 H	7	38.9	5.4
5	10600.00	62.9 PK	74.0	-11.1	1.01 H	18	48.0	14.9
6	10600.00	51.6 AV	54.0	-2.4	1.01 H	18	36.7	14.9
7	15900.00	63.6 PK	74.0	-10.4	1.11 H	9	47.0	16.6
8	15900.00	50.5 AV	54.0	-3.5	1.11 H	9	33.9	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	*5300.00	115.1 PK			2.20 V	19	109.8	5.3
2	*5300.00	105.6 AV			2.20 V	19	100.3	5.3
3	5350.00	66.4 PK	74.0	-7.6	2.20 V	19	61.0	5.4
4	5350.00	46.8 AV	54.0	-7.2	2.20 V	19	41.4	5.4
5	10600.00	64.1 PK	74.0	-9.9	1.31 V	296	49.2	14.9
6	10600.00	51.5 AV	54.0	-2.5	1.31 V	296	36.6	14.9
7	15900.00	60.6 PK	74.0	-13.4	1.11 V	51	44.0	16.6
8	15900.00	47.8 AV	54.0	-6.2	1.11 V	51	31.2	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.

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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	111.4 PK			1.00 H	8	106.1	5.3
2	*5320.00	102.1 AV			1.00 H	8	96.8	5.3
3	5350.00	67.6 PK	74.0	-6.4	1.00 H	8	62.2	5.4
4	5350.00	49.1 AV	54.0	-4.9	1.00 H	8	43.7	5.4
5	10640.00	61.8 PK	74.0	-12.2	1.10 H	19	46.8	15.0
6	10640.00	50.3 AV	54.0	-3.7	1.10 H	19	35.3	15.0
7	15960.00	62.5 PK	74.0	-11.5	1.21 H	10	46.1	16.4
8	15960.00	49.7 AV	54.0	-4.3	1.21 H	10	33.3	16.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.1 PK			2.31 V	39	107.8	5.3
2	*5320.00	104.1 AV			2.31 V	39	98.8	5.3
3	5350.00	69.5 PK	74.0	-4.5	2.31 V	39	64.1	5.4
4	5350.00	52.5 AV	54.0	-1.5	2.31 V	39	47.1	5.4
5	10640.00	63.2 PK	74.0	-10.8	1.29 V	301	48.2	15.0
6	10640.00	50.1 AV	54.0	-3.9	1.29 V	301	35.1	15.0
7	15960.00	59.8 PK	74.0	-14.2	1.19 V	62	43.4	16.4
8	15960.00	46.6 AV	54.0	-7.4	1.19 V	62	30.2	16.4

Remarks:

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

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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	55.4 PK	74.0	-18.6	1.01 H	276	49.7	5.7
2	5460.00	41.8 AV	54.0	-12.2	1.01 H	276	36.1	5.7
3	#5470.00	59.6 PK	68.2	-8.6	1.01 H	276	53.9	5.7
4	*5500.00	107.4 PK			1.01 H	276	101.7	5.7
5	*5500.00	99.2 AV			1.01 H	276	93.5	5.7
6	11000.00	63.2 PK	74.0	-10.8	1.27 H	59	46.9	16.3
7	11000.00	50.6 AV	54.0	-3.4	1.27 H	59	34.3	16.3
8	#16500.00	64.5 PK	68.2	-3.7	1.22 H	83	45.0	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	5460.00	60.4 PK	74.0	-13.6	1.23 V	44	54.7	5.7
2	5460.00	42.6 AV	54.0	-11.4	1.23 V	44	36.9	5.7
3	#5470.00	66.7 PK	68.2	-1.5	1.23 V	44	61.0	5.7
4	*5500.00	111.6 PK			1.23 V	44	105.9	5.7
5	*5500.00	102.7 AV			1.23 V	44	97.0	5.7
6	11000.00	61.7 PK	74.0	-12.3	1.29 V	287	45.4	16.3
7	11000.00	49.5 AV	54.0	-4.5	1.29 V	287	33.2	16.3
8	#16500.00	63.2 PK	68.2	-5.0	1.21 V	53	43.7	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	802.11a	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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	108.7 PK			1.01 H	248	102.9	5.8
2	*5580.00	100.4 AV			1.01 H	248	94.6	5.8
3	11160.00	64.1 PK	74.0	-9.9	1.23 H	63	48.1	16.0
4	11160.00	51.7 AV	54.0	-2.3	1.23 H	63	35.7	16.0
5	#16740.00	65.8 PK	68.2	-2.4	1.26 H	96	44.7	21.1

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	111.1 PK			1.85 V	12	105.3	5.8
2	*5580.00	102.7 AV			1.85 V	12	96.9	5.8
3	11160.00	62.2 PK	74.0	-11.8	1.30 V	299	46.2	16.0
4	11160.00	50.3 AV	54.0	-3.7	1.30 V	299	34.3	16.0
5	#16740.00	64.1 PK	68.2	-4.1	1.18 V	55	43.0	21.1

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	109.4 PK			1.17 H	96	103.5	5.9
2	*5700.00	100.8 AV			1.17 H	96	94.9	5.9
3	#5725.00	64.5 PK	68.2	-3.7	1.17 H	96	58.5	6.0
4	11400.00	61.5 PK	74.0	-12.5	1.13 H	84	45.6	15.9
5	11400.00	49.2 AV	54.0	-4.8	1.13 H	84	33.3	15.9
6	#17100.00	58.6 PK	68.2	-9.6	2.56 H	70	37.8	20.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.5 PK			1.36 V	21	104.6	5.9
2	*5700.00	101.8 AV			1.36 V	21	95.9	5.9
3	#5725.00	66.7 PK	68.2	-1.5	1.36 V	21	60.7	6.0
4	11400.00	57.9 PK	74.0	-16.1	2.59 V	341	42.0	15.9
5	11400.00	47.8 AV	54.0	-6.2	2.59 V	341	31.9	15.9
6	#17100.00	56.8 PK	68.2	-11.4	1.12 V	20	36.0	20.8

Remarks:

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



RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	50.2 PK	74.0	-23.8	1.44 H	125	44.5	5.7
2	5460.00	38.1 AV	54.0	-15.9	1.44 H	125	32.4	5.7
3	#5470.00	50.3 PK	68.2	-17.9	1.44 H	125	44.6	5.7
4	*5720.00	110.4 PK			1.44 H	125	104.5	5.9
5	*5720.00	102.6 AV			1.44 H	125	96.7	5.9
6	#5850.00	51.5 PK	68.2	-16.7	1.44 H	125	45.1	6.4
7	11440.00	65.8 PK	74.0	-8.2	1.07 H	55	49.8	16.0
8	11440.00	51.9 AV	54.0	-2.1	1.07 H	55	35.9	16.0
9	#17160.00	62.6 PK	68.2	-5.6	1.10 H	3	41.7	20.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.3 PK	74.0	-23.7	1.01 V	18	44.6	5.7
2	5460.00	38.6 AV	54.0	-15.4	1.01 V	18	32.9	5.7
3	#5470.00	50.4 PK	68.2	-17.8	1.01 V	18	44.7	5.7
4	*5720.00	110.9 PK			1.01 V	18	105.0	5.9
5	*5720.00	103.1 AV			1.01 V	18	97.2	5.9
6	#5850.00	51.2 PK	68.2	-17.0	1.01 V	18	44.8	6.4
7	11440.00	64.5 PK	74.0	-9.5	1.09 V	28	48.5	16.0
8	11440.00	51.7 AV	54.0	-2.3	1.09 V	28	35.7	16.0
9	#17160.00	61.7 PK	68.2	-6.5	1.10 V	54	40.8	20.9

Remarks:

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



RF Mode	802.11a	Channel	CH 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5617.81	52.3 PK	68.2	-15.9	1.34 H	122	46.5	5.8
2	*5745.00	112.9 PK			1.34 H	122	107.0	5.9
3	*5745.00	103.9 AV			1.34 H	122	98.0	5.9
4	#5960.16	52.4 PK	68.2	-15.8	1.34 H	122	46.1	6.3
5	11490.00	64.2 PK	74.0	-9.8	2.18 H	13	48.0	16.2
6	11490.00	50.8 AV	54.0	-3.2	2.18 H	13	34.6	16.2
7	#17235.00	65.5 PK	68.2	-2.7	1.10 H	38	44.5	21.0
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	#5589.19	53.2 PK	68.2	-15.0	1.14 V	24	47.4	5.8
2	*5745.00	113.7 PK			1.14 V	24	107.8	5.9
3	*5745.00	104.7 AV			1.14 V	24	98.8	5.9
4	#5973.83	52.8 PK	68.2	-15.4	1.14 V	24	46.5	6.3
5	11490.00	63.8 PK	74.0	-10.2	1.30 V	18	47.6	16.2
6	11490.00	51.6 AV	54.0	-2.4	1.30 V	18	35.4	16.2
7	#17235.00	62.3 PK	68.2	-5.9	1.09 V	49	41.3	21.0

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5563.91	52.7 PK	68.2	-15.5	1.29 H	123	46.9	5.8
2	*5785.00	112.8 PK			1.29 H	123	106.5	6.3
3	*5785.00	103.8 AV			1.29 H	123	97.5	6.3
4	#5997.24	52.9 PK	68.2	-15.3	1.29 H	123	46.6	6.3
5	11570.00	63.2 PK	74.0	-10.8	2.14 H	37	47.4	15.8
6	11570.00	50.7 AV	54.0	-3.3	2.14 H	37	34.9	15.8
7	#17355.00	65.3 PK	68.2	-2.9	1.02 H	62	43.5	21.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5592.75	52.4 PK	68.2	-15.8	2.31 V	25	46.5	5.9
2	*5785.00	113.2 PK			2.31 V	25	106.9	6.3
3	*5785.00	104.4 AV			2.31 V	25	98.1	6.3
4	#5983.35	52.1 PK	68.2	-16.1	2.31 V	25	45.8	6.3
5	11570.00	64.1 PK	74.0	-9.9	1.08 V	19	48.3	15.8
6	11570.00	51.8 AV	54.0	-2.2	1.08 V	19	36.0	15.8
7	#17355.00	62.4 PK	68.2	-5.8	1.06 V	53	40.6	21.8

Remarks:

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



RF Mode	802.11a	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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5567.97	52.9 PK	68.2	-15.3	1.28 H	120	47.1	5.8
2	*5825.00	112.1 PK			1.28 H	120	105.7	6.4
3	*5825.00	103.2 AV			1.28 H	120	96.8	6.4
4	#5958.98	52.8 PK	68.2	-15.4	1.28 H	120	46.5	6.3
5	11650.00	62.2 PK	74.0	-11.8	2.05 H	33	46.4	15.8
6	11650.00	50.3 AV	54.0	-3.7	2.05 H	33	34.5	15.8
7	#17475.00	64.5 PK	68.2	-3.7	1.07 H	61	42.0	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5571.04	53.7 PK	68.2	-14.5	2.42 V	3	47.9	5.8
2	*5825.00	112.5 PK			2.42 V	3	106.1	6.4
3	*5825.00	103.9 AV			2.42 V	3	97.5	6.4
4	#5991.79	52.6 PK	68.2	-15.6	2.42 V	3	46.3	6.3
5	11650.00	63.5 PK	74.0	-10.5	1.10 V	18	47.7	15.8
6	11650.00	51.6 AV	54.0	-2.4	1.10 V	18	35.8	15.8
7	#17475.00	62.1 PK	68.2	-6.1	1.42 V	17	39.6	22.5

Remarks:

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

Beamforming

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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.1 PK	74.0	-9.9	1.22 H	9	58.8	5.3
2	5150.00	49.2 AV	54.0	-4.8	1.22 H	9	43.9	5.3
3	*5180.00	113.6 PK			1.22 H	9	108.2	5.4
4	*5180.00	101.4 AV			1.22 H	9	96.0	5.4
5	#10360.00	58.1 PK	68.2	-10.1	1.31 H	27	43.6	14.5
6	15540.00	62.1 PK	74.0	-11.9	1.22 H	70	45.4	16.7
7	15540.00	49.2 AV	54.0	-4.8	1.22 H	70	32.5	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	66.6 PK	74.0	-7.4	2.34 V	34	61.3	5.3
2	5150.00	52.5 AV	54.0	-1.5	2.34 V	34	47.2	5.3
3	*5180.00	114.2 PK			2.34 V	34	108.8	5.4
4	*5180.00	102.8 AV			2.34 V	34	97.4	5.4
5	#10360.00	61.2 PK	68.2	-7.0	1.22 V	287	46.7	14.5
6	15540.00	59.6 PK	74.0	-14.4	1.31 V	355	42.9	16.7
7	15540.00	45.2 AV	54.0	-8.8	1.31 V	355	28.5	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 (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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	63.8 PK	74.0	-10.2	1.21 H	2	58.5	5.3
2	5150.00	46.2 AV	54.0	-7.8	1.21 H	2	40.9	5.3
3	*5200.00	116.7 PK			1.21 H	2	111.3	5.4
4	*5200.00	104.2 AV			1.21 H	2	98.8	5.4
5	#10400.00	60.4 PK	68.2	-7.8	1.25 H	32	45.9	14.5
6	15600.00	63.9 PK	74.0	-10.1	1.24 H	64	47.1	16.8
7	15600.00	51.6 AV	54.0	-2.4	1.24 H	64	34.8	16.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	2.33 V	24	60.6	5.3
2	5150.00	47.1 AV	54.0	-6.9	2.33 V	24	41.8	5.3
3	*5200.00	117.5 PK			2.33 V	24	112.1	5.4
4	*5200.00	105.3 AV			2.33 V	24	99.9	5.4
5	#10400.00	63.1 PK	68.2	-5.1	1.30 V	292	48.6	14.5
6	15600.00	61.7 PK	74.0	-12.3	1.34 V	358	44.9	16.8
7	15600.00	47.6 AV	54.0	-6.4	1.34 V	358	30.8	16.8

Remarks:

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

RF Mode	802.11ax (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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	115.8 PK			1.02 H	6	110.6	5.2
2	*5240.00	103.2 AV			1.02 H	6	98.0	5.2
3	5350.00	50.9 PK	74.0	-23.1	1.02 H	6	45.5	5.4
4	5350.00	38.8 AV	54.0	-15.2	1.02 H	6	33.4	5.4
5	#10480.00	60.2 PK	68.2	-8.0	1.32 H	47	45.5	14.7
6	15720.00	63.8 PK	74.0	-10.2	1.06 H	6	47.3	16.5
7	15720.00	51.5 AV	54.0	-2.5	1.06 H	6	35.0	16.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	117.2 PK			2.32 V	35	112.0	5.2
2	*5240.00	105.2 AV			2.32 V	35	100.0	5.2
3	5350.00	51.1 PK	74.0	-22.9	2.32 V	35	45.7	5.4
4	5350.00	39.2 AV	54.0	-14.8	2.32 V	35	33.8	5.4
5	#10480.00	62.8 PK	68.2	-5.4	1.29 V	289	48.1	14.7
6	15720.00	61.9 PK	74.0	-12.1	1.27 V	349	45.4	16.5
7	15720.00	47.8 AV	54.0	-6.2	1.27 V	349	31.3	16.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	52.2 PK	74.0	-21.8	1.06 H	3	46.9	5.3
2	5150.00	39.2 AV	54.0	-14.8	1.06 H	3	33.9	5.3
3	*5260.00	113.9 PK			1.06 H	3	108.7	5.2
4	*5260.00	103.8 AV			1.06 H	3	98.6	5.2
5	#10520.00	60.2 PK	68.2	-8.0	1.37 H	27	45.4	14.8
6	15780.00	63.2 PK	74.0	-10.8	1.16 H	7	46.8	16.4
7	15780.00	51.6 AV	54.0	-2.4	1.16 H	7	35.2	16.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.2 PK	74.0	-20.8	2.83 V	15	47.9	5.3
2	5150.00	39.5 AV	54.0	-14.5	2.83 V	15	34.2	5.3
3	*5260.00	117.2 PK			2.83 V	15	112.0	5.2
4	*5260.00	105.5 AV			2.83 V	15	100.3	5.2
5	#10520.00	63.2 PK	68.2	-5.0	1.16 V	288	48.4	14.8
6	15780.00	61.2 PK	74.0	-12.8	1.36 V	359	44.8	16.4
7	15780.00	47.3 AV	54.0	-6.7	1.36 V	359	30.9	16.4

Remarks:

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

RF Mode	802.11ax (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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	116.6 PK			1.01 H	2	111.3	5.3
2	*5300.00	104.2 AV			1.01 H	2	98.9	5.3
3	5350.00	67.7 PK	74.0	-6.3	1.01 H	2	62.3	5.4
4	5350.00	48.5 AV	54.0	-5.5	1.01 H	2	43.1	5.4
5	10600.00	64.1 PK	74.0	-9.9	1.18 H	15	49.2	14.9
6	10600.00	51.6 AV	54.0	-2.4	1.18 H	15	36.7	14.9
7	15900.00	62.5 PK	74.0	-11.5	1.15 H	2	45.9	16.6
8	15900.00	50.4 AV	54.0	-3.6	1.15 H	2	33.8	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	*5300.00	117.1 PK			2.61 V	9	111.8	5.3
2	*5300.00	105.3 AV			2.61 V	9	100.0	5.3
3	5350.00	71.1 PK	74.0	-2.9	2.61 V	9	65.7	5.4
4	5350.00	50.9 AV	54.0	-3.1	2.61 V	9	45.5	5.4
5	10600.00	64.8 PK	74.0	-9.2	1.22 V	284	49.9	14.9
6	10600.00	51.9 AV	54.0	-2.1	1.22 V	284	37.0	14.9
7	15900.00	60.9 PK	74.0	-13.1	1.23 V	355	44.3	16.6
8	15900.00	46.9 AV	54.0	-7.1	1.23 V	355	30.3	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.

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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	114.1 PK			1.01 H	1	108.8	5.3
2	*5320.00	101.1 AV			1.01 H	1	95.8	5.3
3	5350.00	69.1 PK	74.0	-4.9	1.01 H	1	63.7	5.4
4	5350.00	48.9 AV	54.0	-5.1	1.01 H	1	43.5	5.4
5	10640.00	62.8 PK	74.0	-11.2	1.19 H	20	47.8	15.0
6	10640.00	49.5 AV	54.0	-4.5	1.19 H	20	34.5	15.0
7	15960.00	60.1 PK	74.0	-13.9	1.26 H	6	43.7	16.4
8	15960.00	48.6 AV	54.0	-5.4	1.26 H	6	32.2	16.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.1 PK			2.34 V	33	109.8	5.3
2	*5320.00	103.5 AV			2.34 V	33	98.2	5.3
3	5350.00	72.4 PK	74.0	-1.6	2.34 V	33	67.0	5.4
4	5350.00	52.5 AV	54.0	-1.5	2.34 V	33	47.1	5.4
5	10640.00	62.5 PK	74.0	-11.5	1.29 V	276	47.5	15.0
6	10640.00	49.2 AV	54.0	-4.8	1.29 V	276	34.2	15.0
7	15960.00	58.6 PK	74.0	-15.4	1.33 V	349	42.2	16.4
8	15960.00	45.1 AV	54.0	-8.9	1.33 V	349	28.7	16.4

Remarks:

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



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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	57.1 PK	74.0	-16.9	1.02 H	266	51.4	5.7
2	5460.00	41.7 AV	54.0	-12.3	1.02 H	266	36.0	5.7
3	#5470.00	64.5 PK	68.2	-3.7	1.02 H	266	58.8	5.7
4	*5500.00	111.4 PK			1.02 H	266	105.7	5.7
5	*5500.00	98.2 AV			1.02 H	266	92.5	5.7
6	11000.00	63.9 PK	74.0	-10.1	1.21 H	22	47.6	16.3
7	11000.00	50.8 AV	54.0	-3.2	1.21 H	22	34.5	16.3
8	#16500.00	61.4 PK	68.2	-6.8	1.18 H	11	41.9	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	5460.00	60.7 PK	74.0	-13.3	2.51 V	18	55.0	5.7
2	5460.00	43.1 AV	54.0	-10.9	2.51 V	18	37.4	5.7
3	#5470.00	66.7 PK	68.2	-1.5	2.51 V	18	61.0	5.7
4	*5500.00	114.1 PK			2.51 V	18	108.4	5.7
5	*5500.00	101.1 AV			2.51 V	18	95.4	5.7
6	11000.00	63.7 PK	74.0	-10.3	1.21 V	275	47.4	16.3
7	11000.00	50.5 AV	54.0	-3.5	1.21 V	275	34.2	16.3
8	#16500.00	60.1 PK	68.2	-8.1	1.41 V	352	40.6	19.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.9 PK			4.00 H	213	107.1	5.8
2	*5580.00	100.3 AV			4.00 H	213	94.5	5.8
3	11160.00	65.4 PK	74.0	-8.6	1.21 H	53	49.4	16.0
4	11160.00	51.7 AV	54.0	-2.3	1.21 H	53	35.7	16.0
5	#16740.00	65.2 PK	68.2	-3.0	1.18 H	80	44.1	21.1

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	116.1 PK			1.36 V	30	110.3	5.8
2	*5580.00	103.6 AV			1.36 V	30	97.8	5.8
3	11160.00	63.8 PK	74.0	-10.2	1.08 V	326	47.8	16.0
4	11160.00	50.1 AV	54.0	-3.9	1.08 V	326	34.1	16.0
5	#16740.00	64.5 PK	68.2	-3.7	1.15 V	341	43.4	21.1

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 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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	111.5 PK			1.28 H	95	105.6	5.9
2	*5700.00	99.5 AV			1.28 H	95	93.6	5.9
3	#5725.00	62.1 PK	68.2	-6.1	1.28 H	95	56.1	6.0
4	11400.00	63.2 PK	74.0	-10.8	1.29 H	57	47.3	15.9
5	11400.00	49.6 AV	54.0	-4.4	1.29 H	57	33.7	15.9
6	#17100.00	63.1 PK	68.2	-5.1	1.21 H	89	42.3	20.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.7 PK			1.36 V	29	106.8	5.9
2	*5700.00	100.7 AV			1.36 V	29	94.8	5.9
3	#5725.00	66.6 PK	68.2	-1.6	1.36 V	29	60.6	6.0
4	11400.00	61.9 PK	74.0	-12.1	1.11 V	325	46.0	15.9
5	11400.00	48.3 AV	54.0	-5.7	1.11 V	325	32.4	15.9
6	#17100.00	62.8 PK	68.2	-5.4	1.21 V	40	42.0	20.8

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	50.9 PK	74.0	-23.1	1.42 H	120	45.2	5.7
2	5460.00	38.7 AV	54.0	-15.3	1.42 H	120	33.0	5.7
3	#5470.00	51.1 PK	68.2	-17.1	1.42 H	120	45.4	5.7
4	*5720.00	112.3 PK			1.42 H	120	106.4	5.9
5	*5720.00	102.4 AV			1.42 H	120	96.5	5.9
6	#5850.00	53.2 PK	68.2	-15.0	1.42 H	120	46.8	6.4
7	11440.00	63.5 PK	74.0	-10.5	1.03 H	49	47.5	16.0
8	11440.00	51.3 AV	54.0	-2.7	1.03 H	49	35.3	16.0
9	#17160.00	61.5 PK	68.2	-6.7	1.07 H	27	40.6	20.9

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.8 PK	74.0	-22.2	2.09 V	27	46.1	5.7
2	5460.00	39.7 AV	54.0	-14.3	2.09 V	27	34.0	5.7
3	#5470.00	52.3 PK	68.2	-15.9	2.09 V	27	46.6	5.7
4	*5720.00	116.2 PK			2.09 V	27	110.3	5.9
5	*5720.00	103.7 AV			2.09 V	27	97.8	5.9
6	#5850.00	54.1 PK	68.2	-14.1	2.09 V	27	47.7	6.4
7	11440.00	64.5 PK	74.0	-9.5	1.14 V	20	48.5	16.0
8	11440.00	51.5 AV	54.0	-2.5	1.14 V	20	35.5	16.0
9	#17160.00	61.2 PK	68.2	-7.0	1.33 V	38	40.3	20.9

Remarks:

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



RF Mode	802.11ax (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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5642.22	52.5 PK	68.2	-15.7	1.16 H	113	46.7	5.8
2	*5745.00	115.8 PK			1.16 H	113	109.9	5.9
3	*5745.00	104.3 AV			1.16 H	113	98.4	5.9
4	#5966.94	52.7 PK	68.2	-15.5	1.16 H	113	46.4	6.3
5	11490.00	63.5 PK	74.0	-10.5	2.08 H	32	47.3	16.2
6	11490.00	50.2 AV	54.0	-3.8	2.08 H	32	34.0	16.2
7	#17235.00	64.2 PK	68.2	-4.0	1.21 H	69	43.2	21.0

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	#5568.35	52.4 PK	68.2	-15.8	1.24 V	234	46.6	5.8
2	*5745.00	116.4 PK			1.24 V	234	110.5	5.9
3	*5745.00	104.8 AV			1.24 V	234	98.9	5.9
4	#5979.41	52.9 PK	68.2	-15.3	1.24 V	234	46.6	6.3
5	11490.00	64.1 PK	74.0	-9.9	1.10 V	18	47.9	16.2
6	11490.00	51.7 AV	54.0	-2.3	1.10 V	18	35.5	16.2
7	#17235.00	62.3 PK	68.2	-5.9	1.16 V	53	41.3	21.0

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 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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5612.66	52.3 PK	68.2	-15.9	1.12 H	127	46.5	5.8
2	*5785.00	115.9 PK			1.12 H	127	109.6	6.3
3	*5785.00	104.2 AV			1.12 H	127	97.9	6.3
4	#5942.58	52.8 PK	68.2	-15.4	1.12 H	127	46.5	6.3
5	11570.00	63.7 PK	74.0	-10.3	2.11 H	45	47.9	15.8
6	11570.00	50.3 AV	54.0	-3.7	2.11 H	45	34.5	15.8
7	#17355.00	64.5 PK	68.2	-3.7	1.19 H	71	42.7	21.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.66	52.8 PK	68.2	-15.4	2.36 V	23	47.0	5.8
2	*5785.00	116.3 PK			2.36 V	23	110.0	6.3
3	*5785.00	104.6 AV			2.36 V	23	98.3	6.3
4	#6024.03	52.1 PK	68.2	-16.1	2.36 V	23	45.8	6.3
5	11570.00	64.3 PK	74.0	-9.7	1.17 V	14	48.5	15.8
6	11570.00	51.5 AV	54.0	-2.5	1.17 V	14	35.7	15.8
7	#17355.00	62.4 PK	68.2	-5.8	1.20 V	69	40.6	21.8

Remarks:

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

RF Mode	802.11ax (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=300 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5620.22	52.2 PK	68.2	-16.0	1.11 H	105	46.4	5.8
2	*5825.00	115.5 PK			1.11 H	105	109.1	6.4
3	*5825.00	103.6 AV			1.11 H	105	97.2	6.4
4	#5930.84	52.8 PK	68.2	-15.4	1.11 H	105	46.4	6.4
5	11650.00	63.9 PK	74.0	-10.1	2.08 H	38	48.1	15.8
6	11650.00	50.2 AV	54.0	-3.8	2.08 H	38	34.4	15.8
7	#17475.00	64.3 PK	68.2	-3.9	1.22 H	83	41.8	22.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5599.90	52.6 PK	68.2	-15.6	1.15 V	16	46.7	5.9
2	*5825.00	116.1 PK			1.15 V	16	109.7	6.4
3	*5825.00	104.4 AV			1.15 V	16	98.0	6.4
4	#5939.32	53.3 PK	68.2	-14.9	1.15 V	16	47.0	6.3
5	11650.00	63.9 PK	74.0	-10.1	1.07 V	22	48.1	15.8
6	11650.00	51.6 AV	54.0	-2.4	1.07 V	22	35.8	15.8
7	#17475.00	62.1 PK	68.2	-6.1	1.21 V	77	39.6	22.5

Remarks:

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



RF Mode	802.11ax (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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	62.6 PK	74.0	-11.4	1.20 H	3	57.3	5.3
2	5150.00	49.5 AV	54.0	-4.5	1.20 H	3	44.2	5.3
3	*5190.00	109.9 PK			1.20 H	3	104.5	5.4
4	*5190.00	98.8 AV			1.20 H	3	93.4	5.4
5	#10380.00	58.3 PK	68.2	-9.9	1.25 H	32	43.9	14.4
6	15570.00	61.9 PK	74.0	-12.1	1.10 H	12	45.2	16.7
7	15570.00	48.6 AV	54.0	-5.4	1.10 H	12	31.9	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	65.9 PK	74.0	-8.1	2.36 V	46	60.6	5.3
2	5150.00	52.3 AV	54.0	-1.7	2.36 V	46	47.0	5.3
3	*5190.00	112.1 PK			2.36 V	46	106.7	5.4
4	*5190.00	100.5 AV			2.36 V	46	95.1	5.4
5	#10380.00	61.6 PK	68.2	-6.6	1.30 V	292	47.2	14.4
6	15570.00	58.8 PK	74.0	-15.2	1.29 V	337	42.1	16.7
7	15570.00	45.3 AV	54.0	-8.7	1.29 V	337	28.6	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	802.11ax (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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	1.06 H	3	55.1	5.3
2	5150.00	48.1 AV	54.0	-5.9	1.06 H	3	42.8	5.3
3	*5230.00	111.7 PK			1.06 H	3	106.4	5.3
4	*5230.00	100.8 AV			1.06 H	3	95.5	5.3
5	5350.00	52.5 PK	74.0	-21.5	1.06 H	3	47.1	5.4
6	5350.00	40.2 AV	54.0	-13.8	1.06 H	3	34.8	5.4
7	#10460.00	60.8 PK	68.2	-7.4	1.06 H	20	46.2	14.6
8	15690.00	62.9 PK	74.0	-11.1	1.19 H	10	46.4	16.5
9	15690.00	50.6 AV	54.0	-3.4	1.19 H	10	34.1	16.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.1 PK	74.0	-10.9	2.61 V	37	57.8	5.3
2	5150.00	52.4 AV	54.0	-1.6	2.61 V	37	47.1	5.3
3	*5230.00	114.1 PK			2.61 V	37	108.8	5.3
4	*5230.00	103.2 AV			2.61 V	37	97.9	5.3
5	5350.00	59.4 PK	74.0	-14.6	2.61 V	37	54.0	5.4
6	5350.00	43.7 AV	54.0	-10.3	2.61 V	37	38.3	5.4
7	#10460.00	61.8 PK	68.2	-6.4	1.19 V	282	47.2	14.6
8	15690.00	60.6 PK	74.0	-13.4	1.25 V	357	44.1	16.5
9	15690.00	47.3 AV	54.0	-6.7	1.25 V	357	30.8	16.5

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	50.2 PK	74.0	-23.8	1.03 H	7	44.9	5.3
2	5150.00	39.2 AV	54.0	-14.8	1.03 H	7	33.9	5.3
3	*5270.00	111.6 PK			1.03 H	7	106.3	5.3
4	*5270.00	101.2 AV			1.03 H	7	95.9	5.3
5	5350.00	61.9 PK	74.0	-12.1	1.03 H	7	56.5	5.4
6	5350.00	47.1 AV	54.0	-6.9	1.03 H	7	41.7	5.4
7	#10540.00	60.3 PK	68.2	-7.9	1.11 H	25	45.5	14.8
8	15810.00	62.4 PK	74.0	-11.6	1.08 H	12	46.0	16.4
9	15810.00	50.2 AV	54.0	-3.8	1.08 H	12	33.8	16.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.9 PK	74.0	-21.1	2.45 V	59	47.6	5.3
2	5150.00	40.4 AV	54.0	-13.6	2.45 V	59	35.1	5.3
3	*5270.00	113.8 PK			2.45 V	59	108.5	5.3
4	*5270.00	102.1 AV			2.45 V	59	96.8	5.3
5	5350.00	66.7 PK	74.0	-7.3	2.45 V	59	61.3	5.4
6	5350.00	52.5 AV	54.0	-1.5	2.45 V	59	47.1	5.4
7	#10540.00	61.2 PK	68.2	-7.0	1.22 V	277	46.4	14.8
8	15810.00	60.3 PK	74.0	-13.7	1.31 V	349	43.9	16.4
9	15810.00	47.1 AV	54.0	-6.9	1.31 V	349	30.7	16.4

Remarks:

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

RF Mode	802.11ax (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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	106.1 PK			1.01 H	2	100.8	5.3
2	*5310.00	95.2 AV			1.01 H	2	89.9	5.3
3	5350.00	59.9 PK	74.0	-14.1	1.01 H	2	54.5	5.4
4	5350.00	46.1 AV	54.0	-7.9	1.01 H	2	40.7	5.4
5	10620.00	64.1 PK	74.0	-9.9	1.19 H	20	49.2	14.9
6	10620.00	48.2 AV	54.0	-5.8	1.19 H	20	33.3	14.9
7	15930.00	60.2 PK	74.0	-13.8	1.09 H	10	43.6	16.6
8	15930.00	45.9 AV	54.0	-8.1	1.09 H	10	29.3	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	*5310.00	109.6 PK			2.38 V	29	104.3	5.3
2	*5310.00	98.1 AV			2.38 V	29	92.8	5.3
3	5350.00	65.9 PK	74.0	-8.1	2.38 V	29	60.5	5.4
4	5350.00	52.4 AV	54.0	-1.6	2.38 V	29	47.0	5.4
5	10620.00	60.1 PK	74.0	-13.9	1.29 V	291	45.2	14.9
6	10620.00	47.8 AV	54.0	-6.2	1.29 V	291	32.9	14.9
7	15930.00	57.3 PK	74.0	-16.7	1.16 V	352	40.7	16.6
8	15930.00	42.8 AV	54.0	-11.2	1.16 V	352	26.2	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.

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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	55.2 PK	74.0	-18.8	1.06 H	244	49.5	5.7
2	5460.00	42.9 AV	54.0	-11.1	1.06 H	244	37.2	5.7
3	#5470.00	61.4 PK	68.2	-6.8	1.06 H	244	55.7	5.7
4	*5510.00	106.4 PK			1.06 H	244	100.7	5.7
5	*5510.00	94.9 AV			1.06 H	244	89.2	5.7
6	11020.00	61.7 PK	74.0	-12.3	1.22 H	32	45.4	16.3
7	11020.00	47.9 AV	54.0	-6.1	1.22 H	32	31.6	16.3
8	#16530.00	60.2 PK	68.2	-8.0	1.19 H	21	40.2	20.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	2.37 V	34	56.0	5.7
2	5460.00	45.8 AV	54.0	-8.2	2.37 V	34	40.1	5.7
3	#5470.00	66.7 PK	68.2	-1.5	2.37 V	34	61.0	5.7
4	*5510.00	107.5 PK			2.37 V	34	101.8	5.7
5	*5510.00	97.2 AV			2.37 V	34	91.5	5.7
6	11020.00	61.9 PK	74.0	-12.1	1.22 V	283	45.6	16.3
7	11020.00	48.1 AV	54.0	-5.9	1.22 V	283	31.8	16.3
8	#16530.00	59.3 PK	68.2	-8.9	1.37 V	349	39.3	20.0

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	57.7 PK	74.0	-16.3	1.02 H	246	52.0	5.7
2	5460.00	44.1 AV	54.0	-9.9	1.02 H	246	38.4	5.7
3	#5470.00	61.8 PK	68.2	-6.4	1.02 H	246	56.1	5.7
4	*5550.00	110.5 PK			1.02 H	246	104.7	5.8
5	*5550.00	98.5 AV			1.02 H	246	92.7	5.8
6	11100.00	63.3 PK	74.0	-10.7	1.21 H	44	47.0	16.3
7	11100.00	50.9 AV	54.0	-3.1	1.21 H	44	34.6	16.3
8	#16650.00	63.8 PK	68.2	-4.4	1.06 H	73	42.6	21.2
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	5460.00	59.5 PK	74.0	-14.5	1.21 V	29	53.8	5.7
2	5460.00	46.2 AV	54.0	-7.8	1.21 V	29	40.5	5.7
3	#5470.00	66.7 PK	68.2	-1.5	1.21 V	29	61.0	5.7
4	*5550.00	112.6 PK			1.21 V	29	106.8	5.8
5	*5550.00	101.1 AV			1.21 V	29	95.3	5.8
6	11100.00	62.2 PK	74.0	-11.8	2.33 V	344	45.9	16.3
7	11100.00	50.1 AV	54.0	-3.9	2.33 V	344	33.8	16.3
8	#16650.00	62.9 PK	68.2	-5.3	1.25 V	55	41.7	21.2

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	109.9 PK			1.02 H	249	104.2	5.7
2	*5670.00	98.3 AV			1.02 H	249	92.6	5.7
3	#5725.00	65.3 PK	68.2	-2.9	1.02 H	249	59.3	6.0
4	11340.00	62.5 PK	74.0	-11.5	1.26 H	53	46.5	16.0
5	11340.00	49.9 AV	54.0	-4.1	1.26 H	53	33.9	16.0
6	#17010.00	63.1 PK	68.2	-5.1	1.12 H	69	41.7	21.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	111.6 PK			2.11 V	18	105.9	5.7
2	*5670.00	100.2 AV			2.11 V	18	94.5	5.7
3	#5725.00	66.6 PK	68.2	-1.6	2.11 V	18	60.6	6.0
4	11340.00	61.8 PK	74.0	-12.2	1.96 V	342	45.8	16.0
5	11340.00	49.3 AV	54.0	-4.7	1.96 V	342	33.3	16.0
6	#17010.00	62.3 PK	68.2	-5.9	2.41 V	12	40.9	21.4

Remarks:

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



RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	50.6 PK	74.0	-23.4	1.42 H	129	44.9	5.7
2	5460.00	38.8 AV	54.0	-15.2	1.42 H	129	33.1	5.7
3	#5470.00	51.2 PK	68.2	-17.0	1.42 H	129	45.5	5.7
4	*5710.00	112.6 PK			1.42 H	129	106.7	5.9
5	*5710.00	100.8 AV			1.42 H	129	94.9	5.9
6	#5850.00	53.3 PK	68.2	-14.9	1.42 H	129	46.9	6.4
7	11420.00	62.4 PK	74.0	-11.6	1.01 H	57	46.4	16.0
8	11420.00	51.6 AV	54.0	-2.4	1.01 H	57	35.6	16.0
9	#17130.00	61.9 PK	68.2	-6.3	1.02 H	63	41.0	20.9

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.5 PK	74.0	-22.5	2.14 V	22	45.8	5.7
2	5460.00	39.9 AV	54.0	-14.1	2.14 V	22	34.2	5.7
3	#5470.00	51.1 PK	68.2	-17.1	2.14 V	22	45.4	5.7
4	*5710.00	113.3 PK			2.14 V	22	107.4	5.9
5	*5710.00	101.3 AV			2.14 V	22	95.4	5.9
6	#5850.00	52.4 PK	68.2	-15.8	2.14 V	22	46.0	6.4
7	11420.00	61.7 PK	74.0	-12.3	1.89 V	337	45.7	16.0
8	11420.00	50.8 AV	54.0	-3.2	1.89 V	337	34.8	16.0
9	#17130.00	60.8 PK	68.2	-7.4	2.31 V	61	39.9	20.9

Remarks:

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



RF Mode	802.11ax (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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5648.94	57.8 PK	68.2	-10.4	1.16 H	124	52.1	5.7
2	*5755.00	113.8 PK			1.16 H	124	107.8	6.0
3	*5755.00	101.7 AV			1.16 H	124	95.7	6.0
4	#5966.91	53.1 PK	68.2	-15.1	1.16 H	124	46.8	6.3
5	11510.00	62.6 PK	74.0	-11.4	1.21 H	51	46.5	16.1
6	11510.00	50.5 AV	54.0	-3.5	1.21 H	51	34.4	16.1
7	#17265.00	61.9 PK	68.2	-6.3	1.11 H	72	40.9	21.0

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	#5649.54	58.7 PK	68.2	-9.5	1.75 V	2	53.0	5.7
2	*5755.00	114.3 PK			1.75 V	2	108.3	6.0
3	*5755.00	102.4 AV			1.75 V	2	96.4	6.0
4	#5935.37	52.7 PK	68.2	-15.5	1.75 V	2	46.3	6.4
5	11510.00	62.7 PK	74.0	-11.3	1.12 V	27	46.6	16.1
6	11510.00	51.5 AV	54.0	-2.5	1.12 V	27	35.4	16.1
7	#17265.00	60.6 PK	68.2	-7.6	2.48 V	33	39.6	21.0

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5621.17	51.9 PK	68.2	-16.3	1.27 H	125	46.1	5.8
2	*5795.00	113.7 PK			1.27 H	125	107.3	6.4
3	*5795.00	101.5 AV			1.27 H	125	95.1	6.4
4	#5927.13	53.6 PK	68.2	-14.6	1.27 H	125	47.2	6.4
5	11590.00	62.3 PK	74.0	-11.7	1.13 H	46	46.5	15.8
6	11590.00	50.3 AV	54.0	-3.7	1.13 H	46	34.5	15.8
7	#17385.00	61.7 PK	68.2	-6.5	1.05 H	62	39.6	22.1
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	#5644.67	52.4 PK	68.2	-15.8	1.13 V	21	46.7	5.7
2	*5795.00	114.1 PK			1.13 V	21	107.7	6.4
3	*5795.00	102.1 AV			1.13 V	21	95.7	6.4
4	#5937.43	53.6 PK	68.2	-14.6	1.13 V	21	47.2	6.4
5	11590.00	63.2 PK	74.0	-10.8	1.06 V	13	47.4	15.8
6	11590.00	51.7 AV	54.0	-2.3	1.06 V	13	35.9	15.8
7	#17385.00	60.9 PK	68.2	-7.3	2.41 V	42	38.8	22.1

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	65.6 PK	74.0	-8.4	1.06 H	2	60.3	5.3
2	5150.00	49.1 AV	54.0	-4.9	1.06 H	2	43.8	5.3
3	*5210.00	106.6 PK			1.06 H	2	101.2	5.4
4	*5210.00	95.3 AV			1.06 H	2	89.9	5.4
5	5350.00	56.1 PK	74.0	-17.9	1.06 H	2	50.7	5.4
6	5350.00	41.7 AV	54.0	-12.3	1.06 H	2	36.3	5.4
7	#10420.00	57.6 PK	68.2	-10.6	1.24 H	27	43.1	14.5
8	15630.00	60.6 PK	74.0	-13.4	1.22 H	10	43.9	16.7
9	15630.00	47.5 AV	54.0	-6.5	1.22 H	10	30.8	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	66.9 PK	74.0	-7.1	2.38 V	18	61.6	5.3
2	5150.00	52.4 AV	54.0	-1.6	2.38 V	18	47.1	5.3
3	*5210.00	107.3 PK			2.38 V	18	101.9	5.4
4	*5210.00	96.3 AV			2.38 V	18	90.9	5.4
5	5350.00	57.6 PK	74.0	-16.4	2.38 V	18	52.2	5.4
6	5350.00	41.5 AV	54.0	-12.5	2.38 V	18	36.1	5.4
7	#10420.00	60.3 PK	68.2	-7.9	1.27 V	281	45.8	14.5
8	15630.00	58.1 PK	74.0	-15.9	1.22 V	332	41.4	16.7
9	15630.00	44.2 AV	54.0	-9.8	1.22 V	332	27.5	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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	54.5 PK	74.0	-19.5	1.01 H	2	49.2	5.3
2	5150.00	40.8 AV	54.0	-13.2	1.01 H	2	35.5	5.3
3	*5290.00	103.7 PK			1.01 H	2	98.4	5.3
4	*5290.00	92.9 AV			1.01 H	2	87.6	5.3
5	5350.00	63.5 PK	74.0	-10.5	1.01 H	2	58.1	5.4
6	5350.00	49.6 AV	54.0	-4.4	1.01 H	2	44.2	5.4
7	#10580.00	57.6 PK	68.2	-10.6	1.08 H	31	42.8	14.8
8	15870.00	59.8 PK	74.0	-14.2	1.11 H	22	43.3	16.5
9	15870.00	46.9 AV	54.0	-7.1	1.11 H	22	30.4	16.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.1 PK	74.0	-20.9	2.79 V	21	47.8	5.3
2	5150.00	41.7 AV	54.0	-12.3	2.79 V	21	36.4	5.3
3	*5290.00	105.4 PK			2.79 V	21	100.1	5.3
4	*5290.00	95.1 AV			2.79 V	21	89.8	5.3
5	5350.00	64.9 PK	74.0	-9.1	2.79 V	21	59.5	5.4
6	5350.00	52.5 AV	54.0	-1.5	2.79 V	21	47.1	5.4
7	#10580.00	58.1 PK	68.2	-10.1	1.29 V	262	43.3	14.8
8	15870.00	56.3 PK	74.0	-17.7	1.22 V	337	39.8	16.5
9	15870.00	42.1 AV	54.0	-11.9	1.22 V	337	25.6	16.5

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	61.5 PK	74.0	-12.5	1.02 H	269	55.8	5.7
2	5460.00	44.6 AV	54.0	-9.4	1.02 H	269	38.9	5.7
3	#5470.00	61.1 PK	68.2	-7.1	1.02 H	269	55.4	5.7
4	*5530.00	103.4 PK			1.02 H	269	97.6	5.8
5	*5530.00	91.2 AV			1.02 H	269	85.4	5.8
6	#5725.00	51.9 PK	68.2	-16.3	1.02 H	269	45.9	6.0
7	11060.00	61.1 PK	74.0	-12.9	1.25 H	15	44.8	16.3
8	11060.00	47.2 AV	54.0	-6.8	1.25 H	15	30.9	16.3
9	#16590.00	59.6 PK	68.2	-8.6	1.17 H	11	38.4	21.2

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	5460.00	66.4 PK	74.0	-7.6	2.27 V	31	60.7	5.7
2	5460.00	46.1 AV	54.0	-7.9	2.27 V	31	40.4	5.7
3	#5470.00	66.6 PK	68.2	-1.6	2.27 V	31	60.9	5.7
4	*5530.00	105.9 PK			2.27 V	31	100.1	5.8
5	*5530.00	93.9 AV			2.27 V	31	88.1	5.8
6	#5725.00	52.2 PK	68.2	-16.0	2.27 V	31	46.2	6.0
7	11060.00	61.2 PK	74.0	-12.8	1.16 V	289	44.9	16.3
8	11060.00	47.5 AV	54.0	-6.5	1.16 V	289	31.2	16.3
9	#16590.00	58.7 PK	68.2	-9.5	1.22 V	341	37.5	21.2

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 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	106.1 PK			1.01 H	272	100.4	5.7
2	*5610.00	95.1 AV			1.01 H	272	89.4	5.7
3	#5725.00	62.9 PK	68.2	-5.3	1.01 H	272	56.9	6.0
4	11220.00	62.3 PK	74.0	-11.7	1.21 H	51	46.5	15.8
5	11220.00	49.3 AV	54.0	-4.7	1.21 H	51	33.5	15.8
6	#16830.00	62.8 PK	68.2	-5.4	1.09 H	72	41.6	21.2
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	*5610.00	109.6 PK			2.49 V	33	103.9	5.7
2	*5610.00	97.2 AV			2.49 V	33	91.5	5.7
3	#5725.00	66.6 PK	68.2	-1.6	2.49 V	33	60.6	6.0
4	11220.00	61.5 PK	74.0	-12.5	2.02 V	347	45.7	15.8
5	11220.00	49.1 AV	54.0	-4.9	2.02 V	347	33.3	15.8
6	#16830.00	62.1 PK	68.2	-6.1	2.37 V	15	40.9	21.2

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 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	53.8 PK	74.0	-20.2	1.39 H	126	48.1	5.7
2	5460.00	39.7 AV	54.0	-14.3	1.39 H	126	34.0	5.7
3	#5470.00	53.6 PK	68.2	-14.6	1.39 H	126	47.9	5.7
4	*5690.00	107.2 PK			1.39 H	126	101.4	5.8
5	*5690.00	96.4 AV			1.39 H	126	90.6	5.8
6	#5850.00	63.6 PK	68.2	-4.6	1.39 H	126	57.2	6.4
7	11380.00	61.6 PK	74.0	-12.4	1.16 H	42	45.6	16.0
8	11380.00	49.7 AV	54.0	-4.3	1.16 H	42	33.7	16.0
9	#17070.00	60.8 PK	68.2	-7.4	1.12 H	37	39.8	21.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	1.96 V	17	53.2	5.7
2	5460.00	41.5 AV	54.0	-12.5	1.96 V	17	35.8	5.7
3	#5470.00	59.6 PK	68.2	-8.6	1.96 V	17	53.9	5.7
4	*5690.00	108.6 PK			1.96 V	17	102.8	5.8
5	*5690.00	97.4 AV			1.96 V	17	91.6	5.8
6	#5850.00	66.7 PK	68.2	-1.5	1.96 V	17	60.3	6.4
7	11380.00	61.3 PK	74.0	-12.7	1.11 V	21	45.3	16.0
8	11380.00	49.2 AV	54.0	-4.8	1.11 V	21	33.2	16.0
9	#17070.00	60.1 PK	68.2	-8.1	3.69 V	22	39.1	21.0

Remarks:

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



RF Mode	802.11ax (HE80)	Channel	CH 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=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Tank 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	#5646.53	60.7 PK	68.2	-7.5	1.40 H	104	55.0	5.7
2	*5775.00	108.2 PK			1.40 H	104	102.1	6.1
3	*5775.00	96.9 AV			1.40 H	104	90.8	6.1
4	#5929.13	60.8 PK	68.2	-7.4	1.40 H	104	54.4	6.4
5	11550.00	61.5 PK	74.0	-12.5	1.22 H	32	45.6	15.9
6	11550.00	49.1 AV	54.0	-4.9	1.22 H	32	33.2	15.9
7	#17325.00	60.3 PK	68.2	-7.9	1.08 H	57	38.8	21.5

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	#5642.87	66.7 PK	68.2	-1.5	1.36 V	33	61.0	5.7
2	*5775.00	108.9 PK			1.36 V	33	102.8	6.1
3	*5775.00	97.4 AV			1.36 V	33	91.3	6.1
4	#5946.36	56.7 PK	68.2	-11.5	1.36 V	33	50.4	6.3
5	11550.00	62.1 PK	74.0	-11.9	1.12 V	11	46.2	15.9
6	11550.00	50.3 AV	54.0	-3.7	1.12 V	11	34.4	15.9
7	#17325.00	59.7 PK	68.2	-8.5	2.37 V	32	38.2	21.5

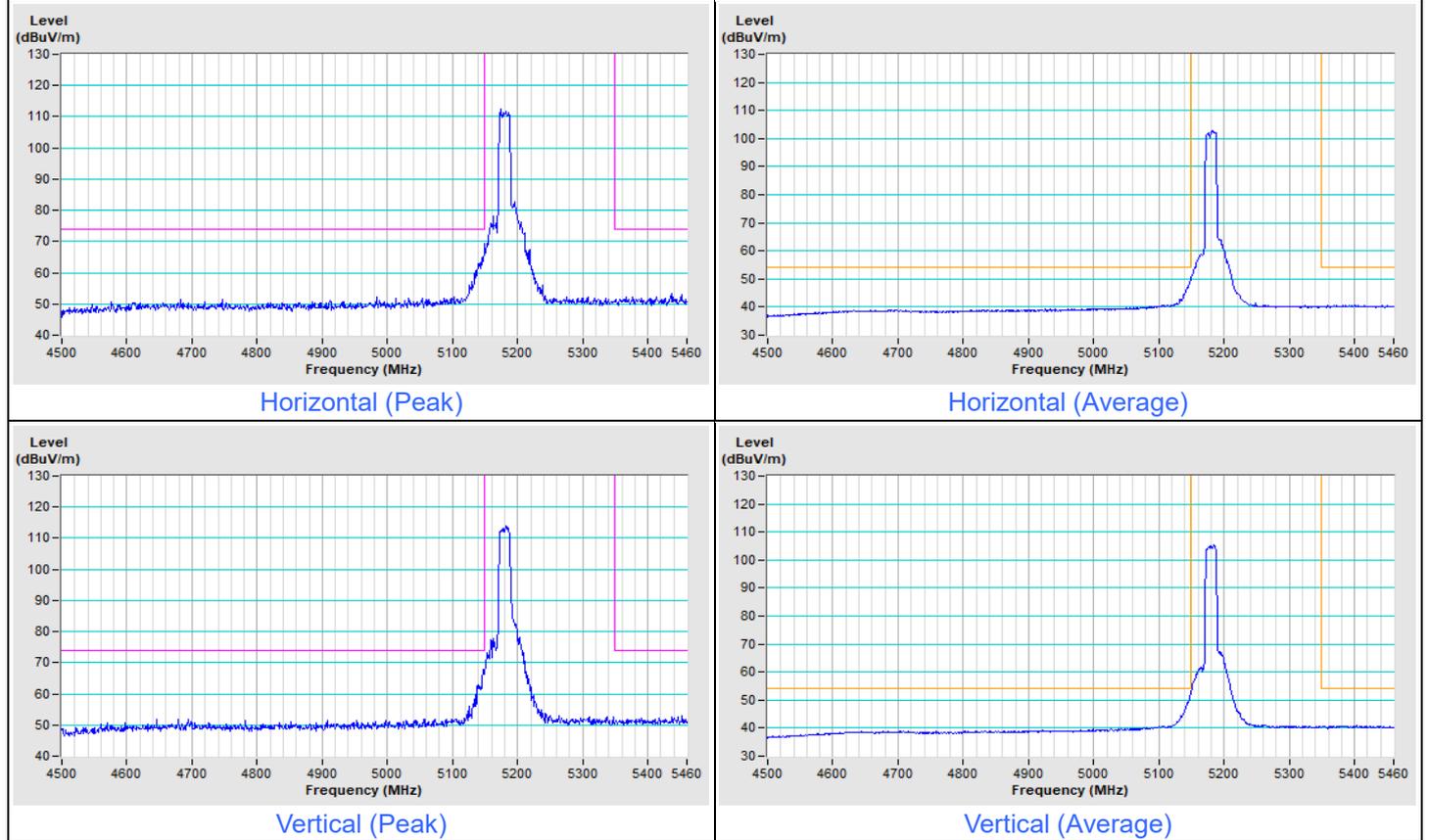
Remarks:

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.

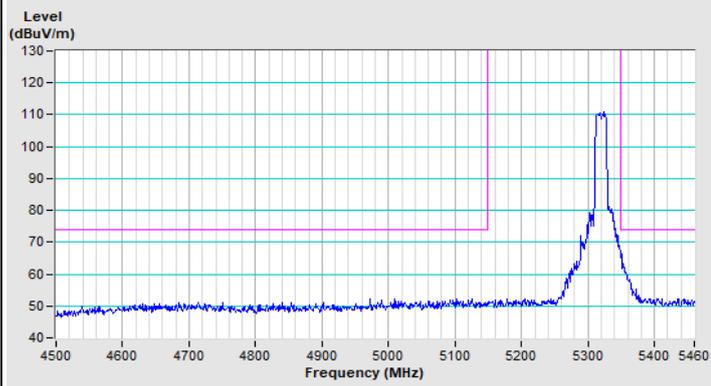
**Plot of Band Edge
CDD**

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=200 Hz, DET=Peak
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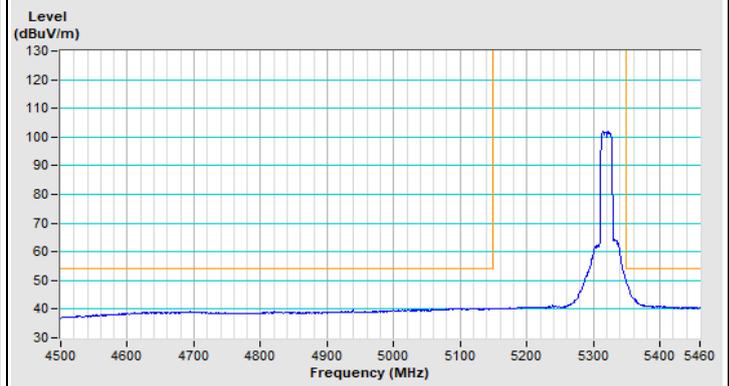
802.11a Channel 36



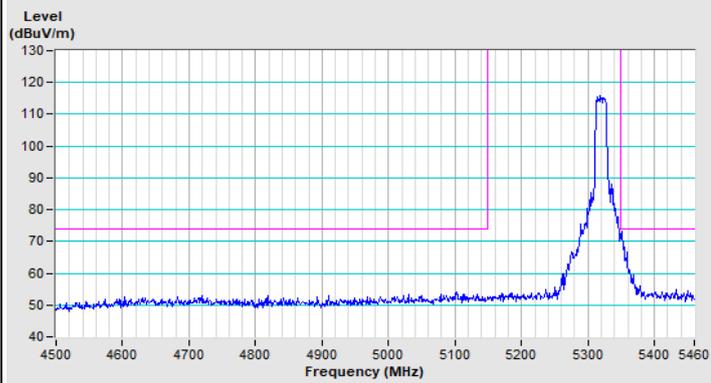
802.11a Channel 64



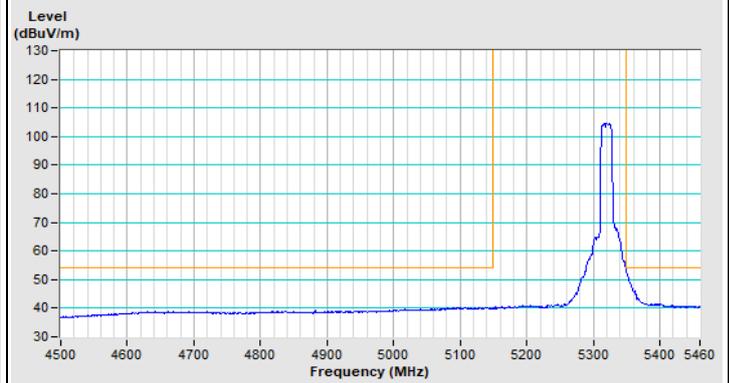
Horizontal (Peak)



Horizontal (Average)



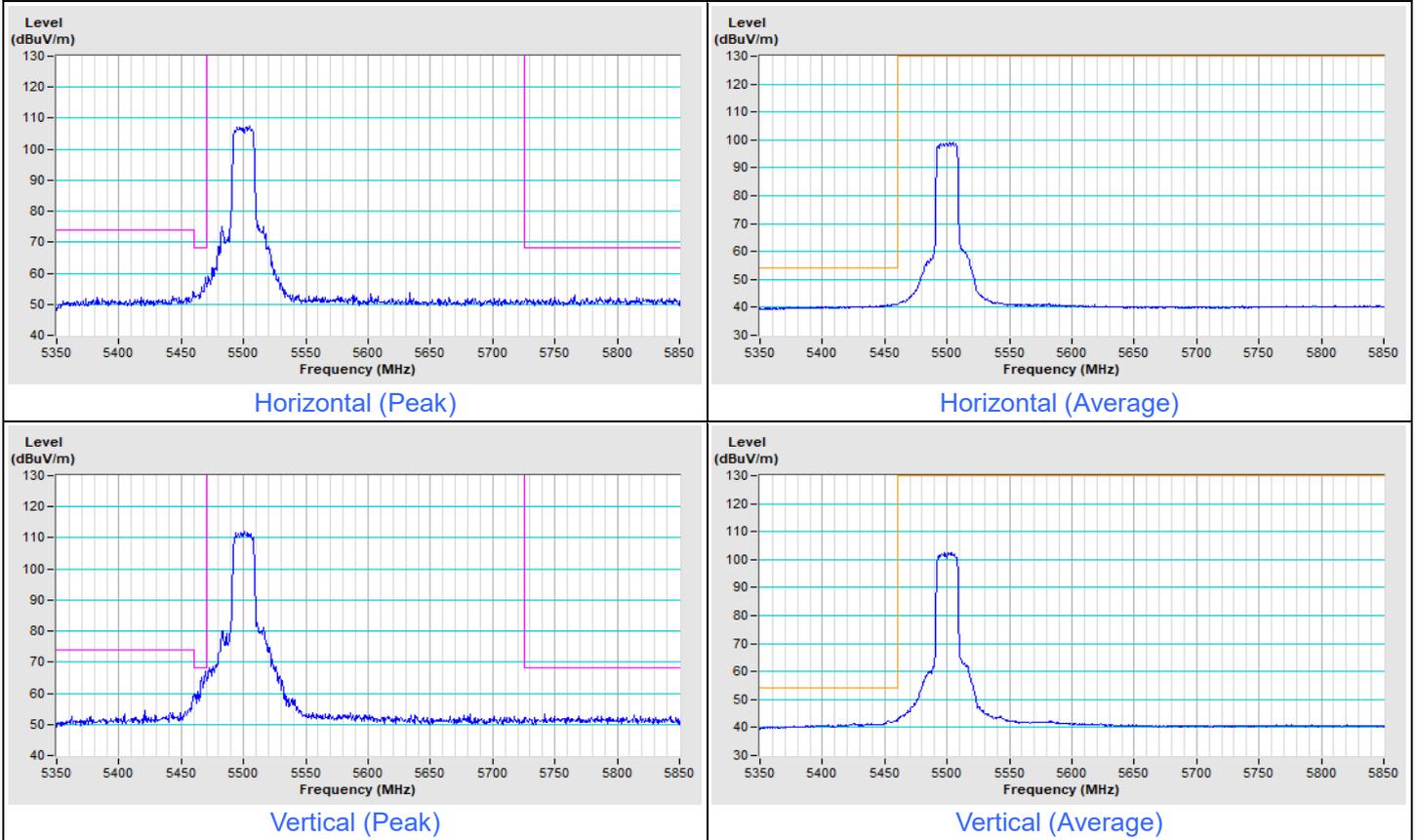
Vertical (Peak)



Vertical (Average)

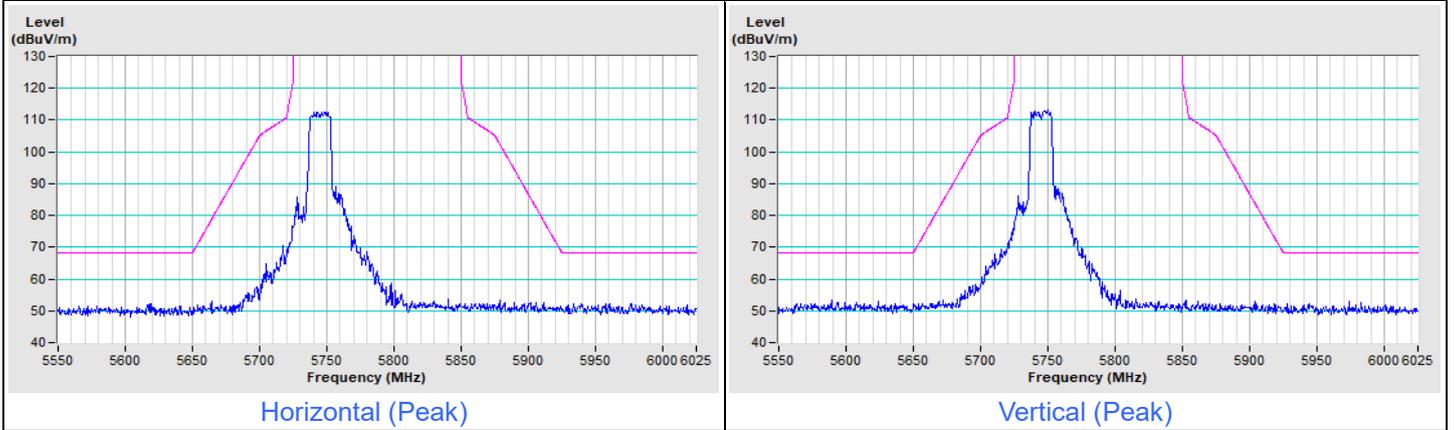
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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802.11a Channel 100

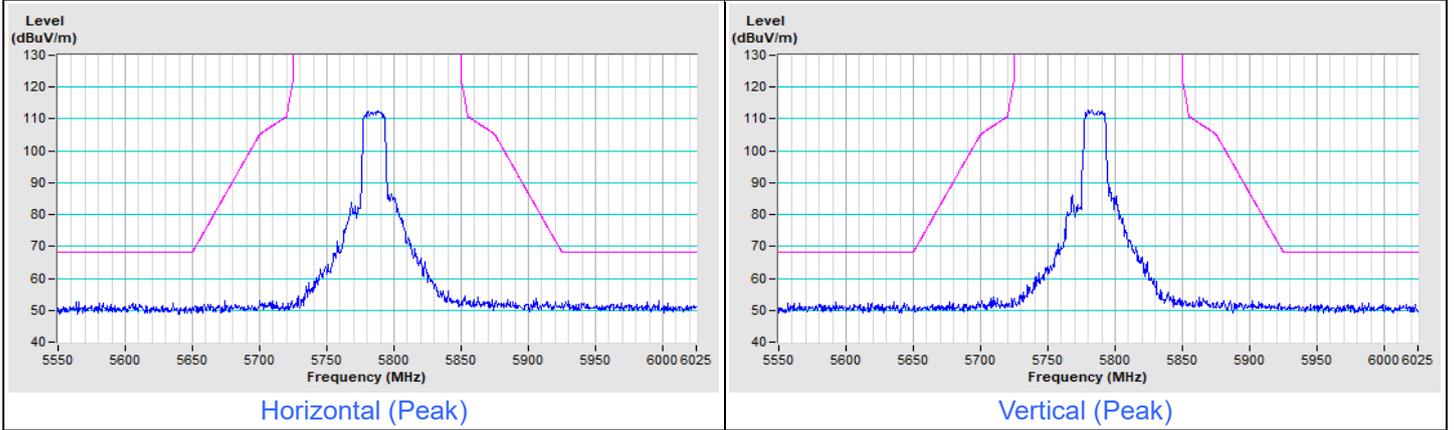


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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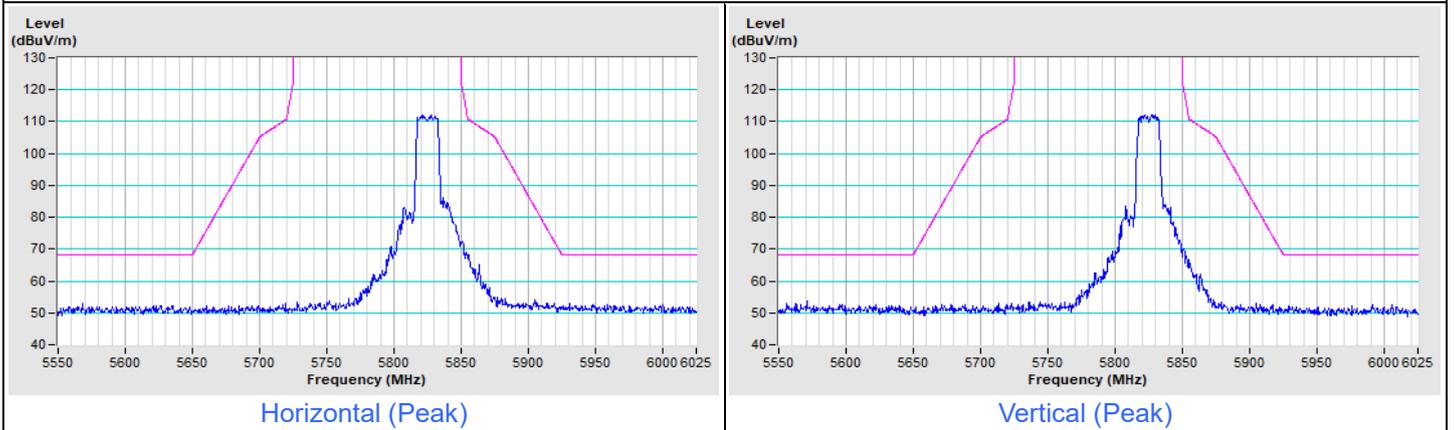
802.11a Channel 149



802.11a Channel 157



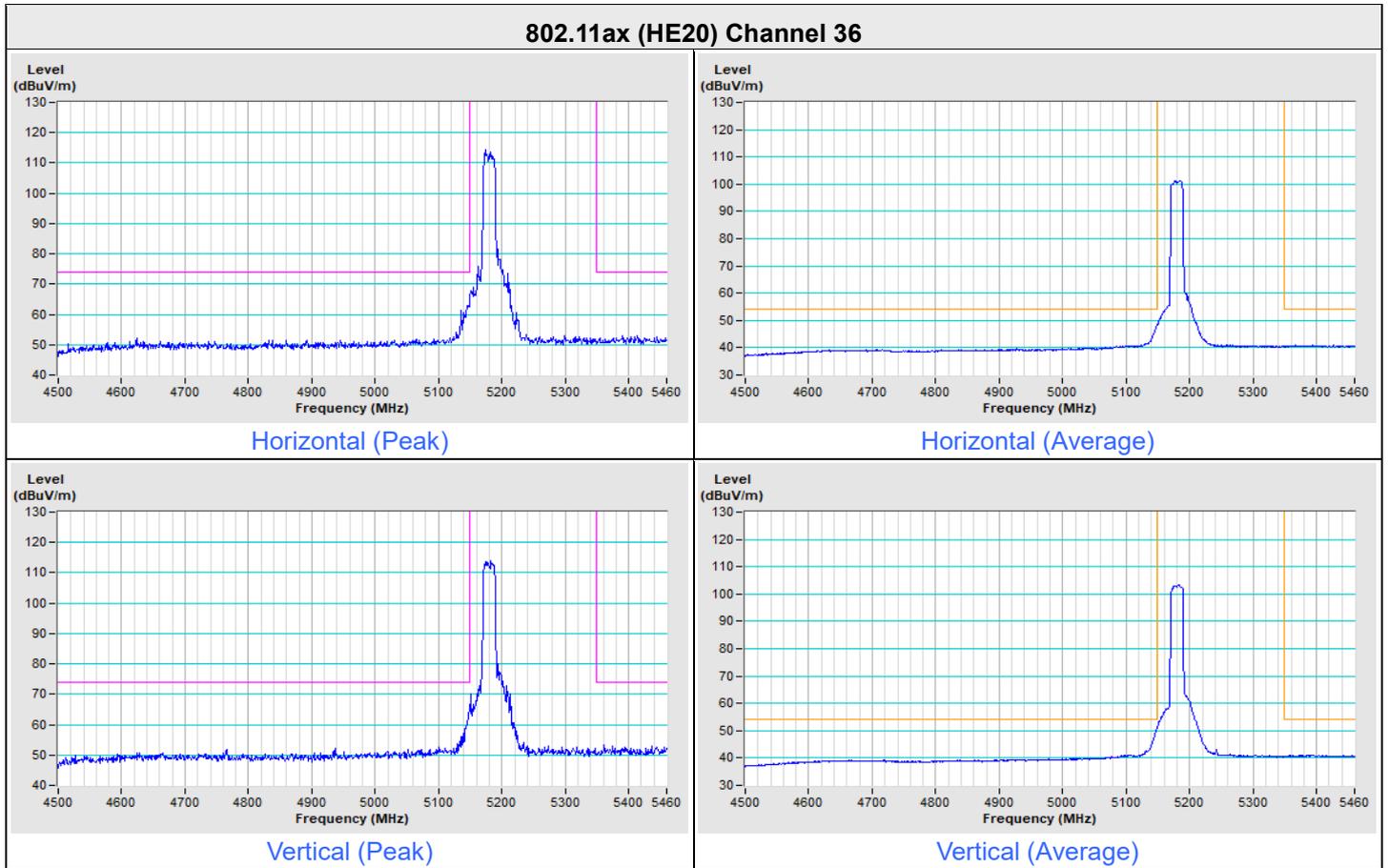
802.11a Channel 165



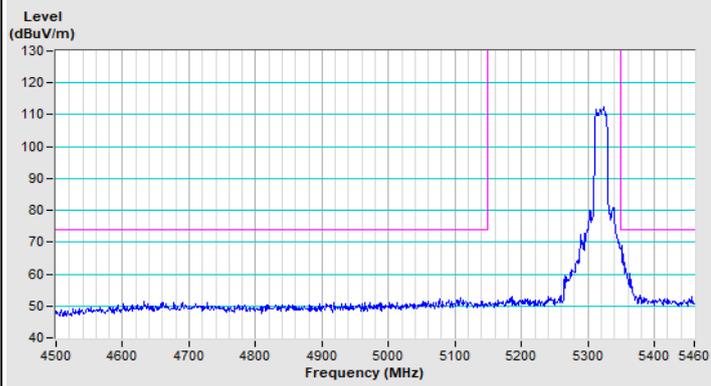


Beamforming

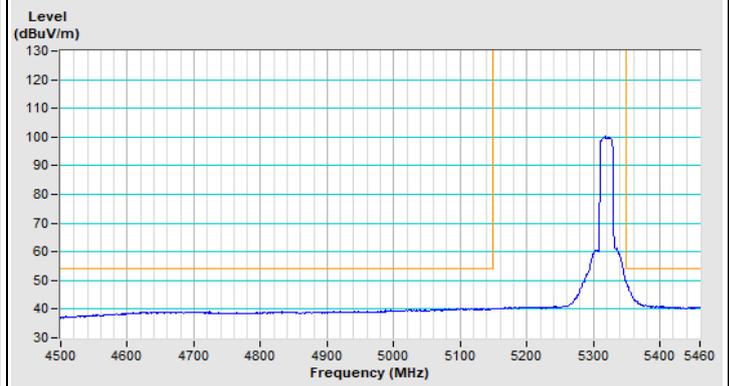
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=300 Hz, DET=Peak
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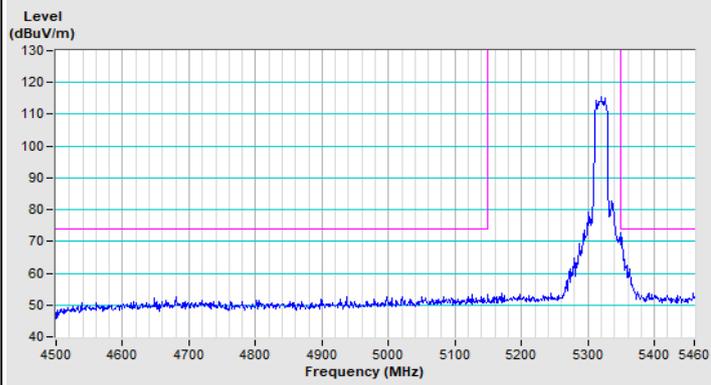
802.11ax (HE20) Channel 64



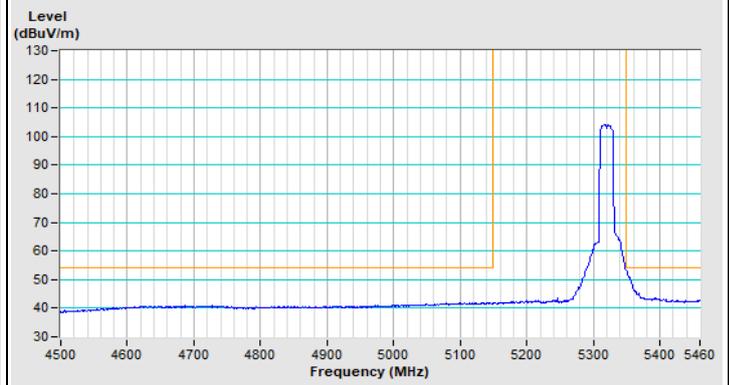
Horizontal (Peak)



Horizontal (Average)



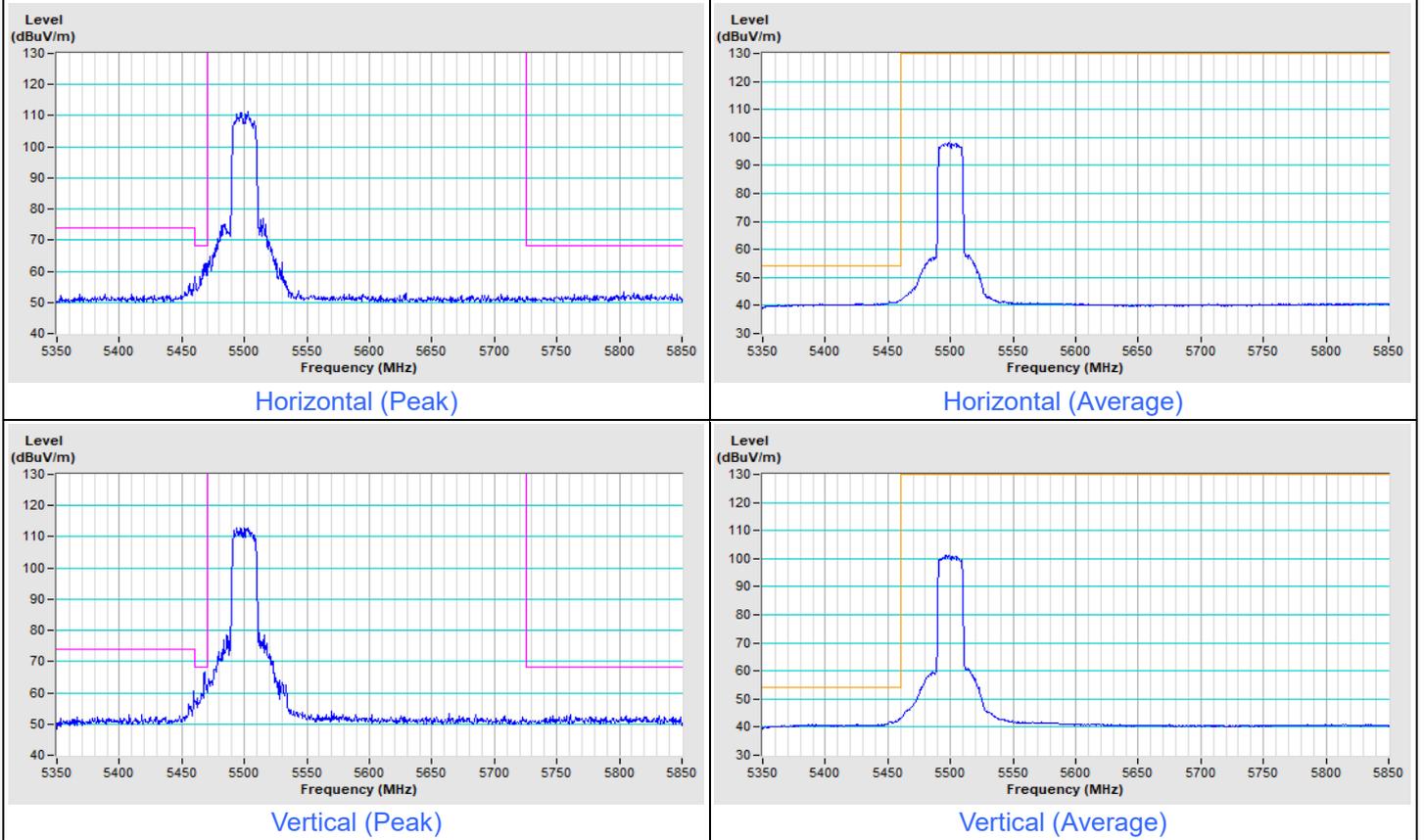
Vertical (Peak)



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=300 Hz, DET=Peak
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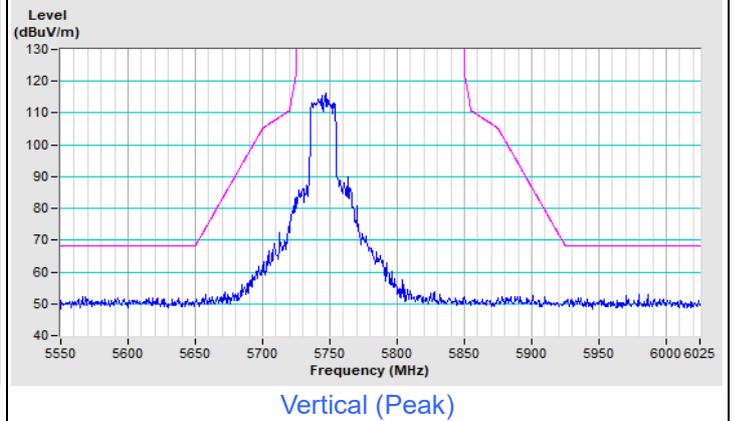
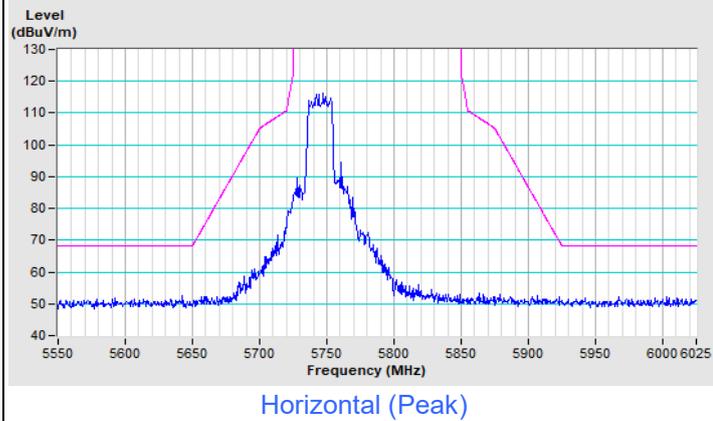
802.11ax (HE20) Channel 100



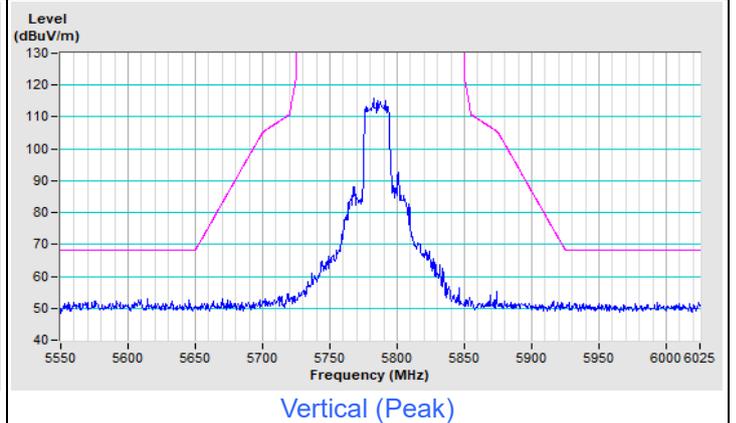
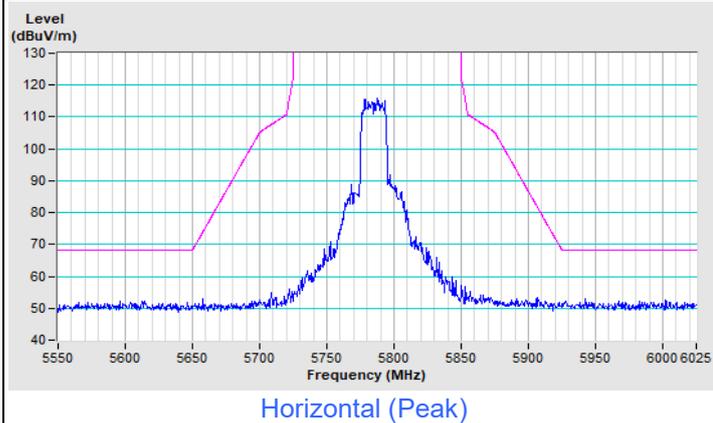


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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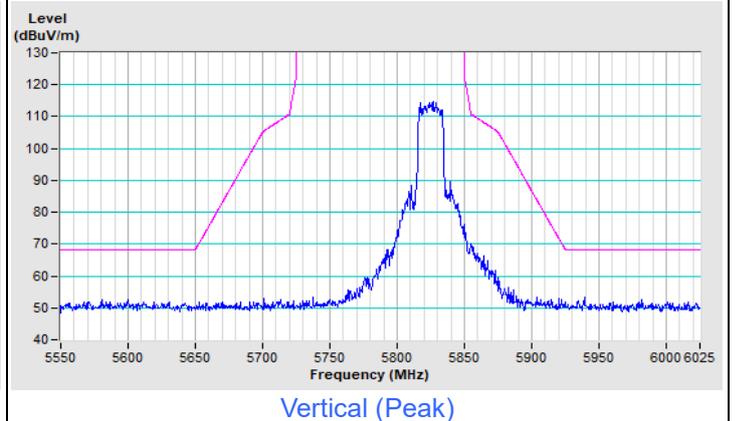
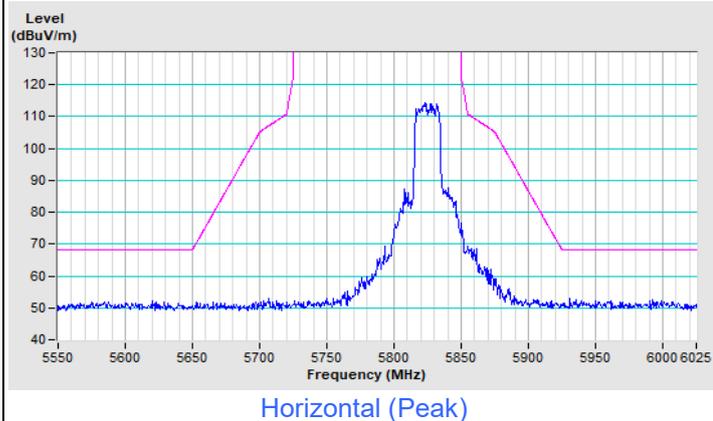
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

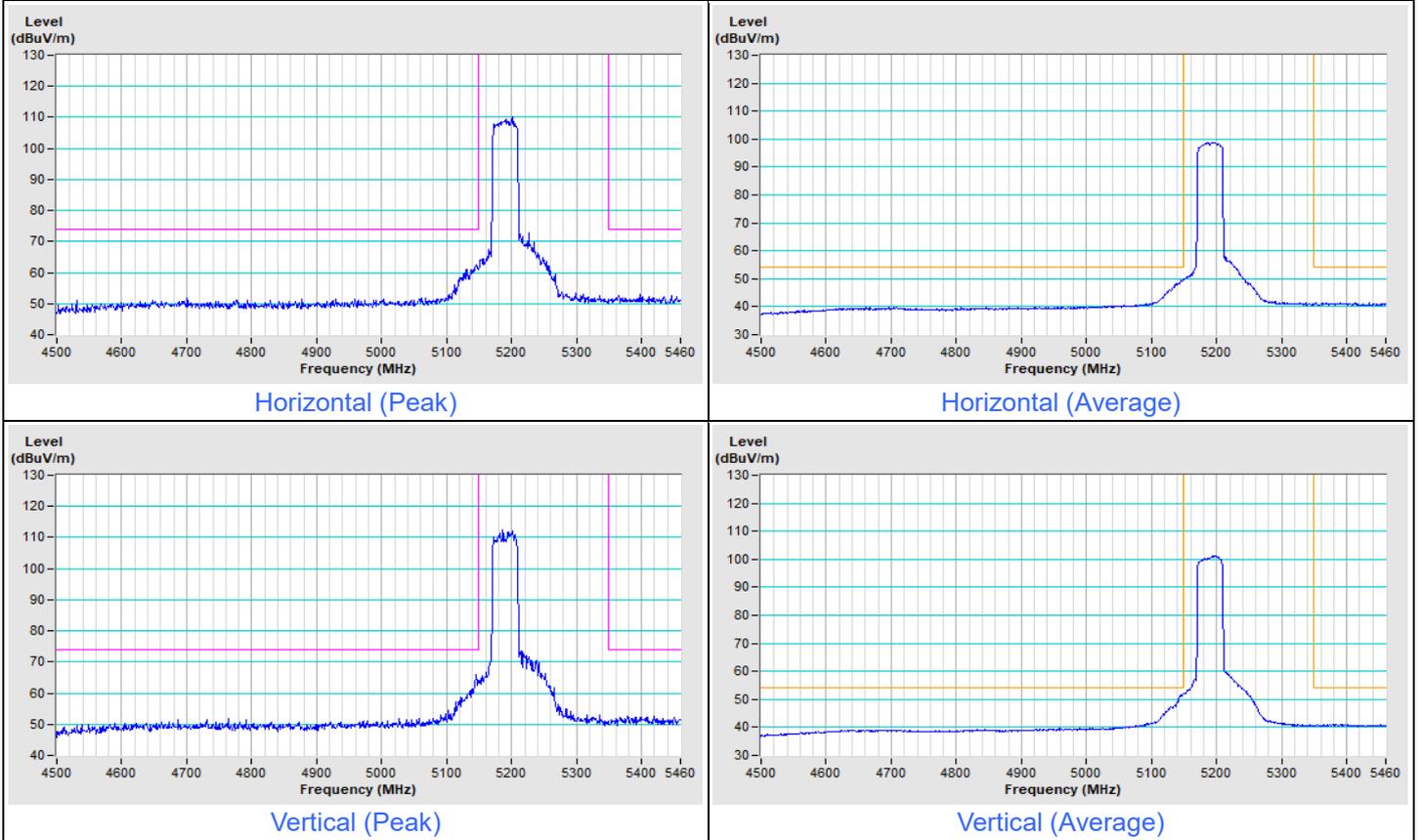


802.11ax (HE20) Channel 165

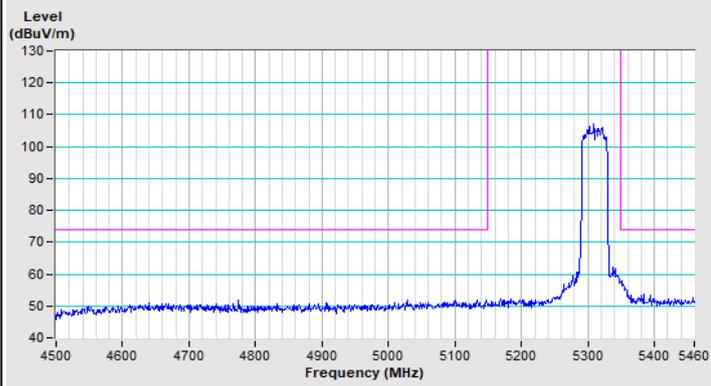


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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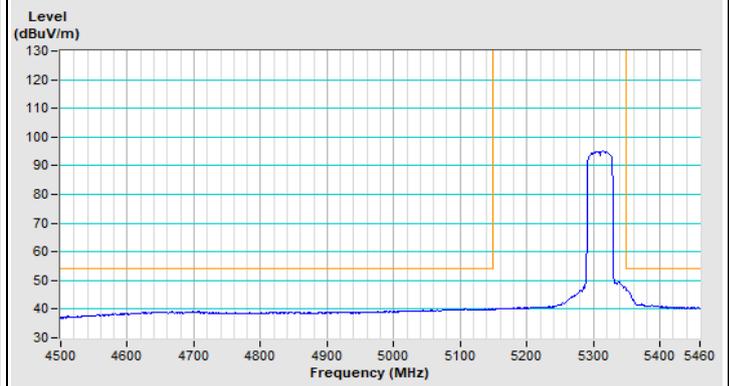
802.11ax (HE40) Channel 38



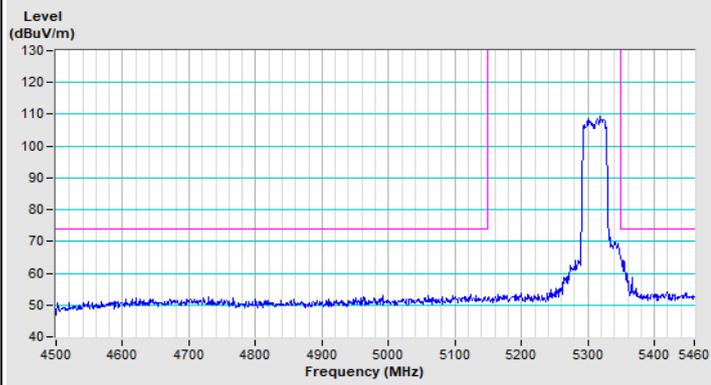
802.11ax (HE40) Channel 62



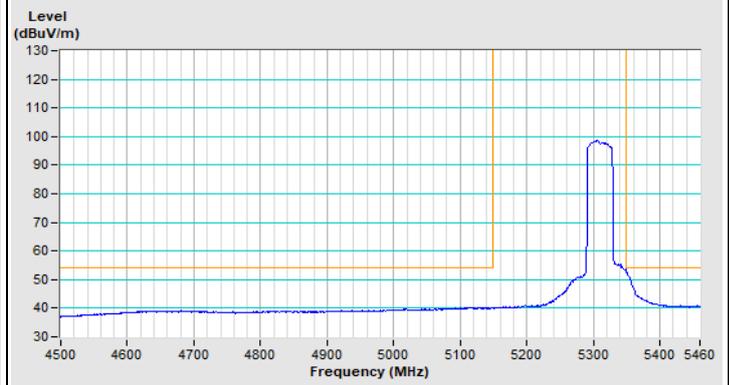
Horizontal (Peak)



Horizontal (Average)



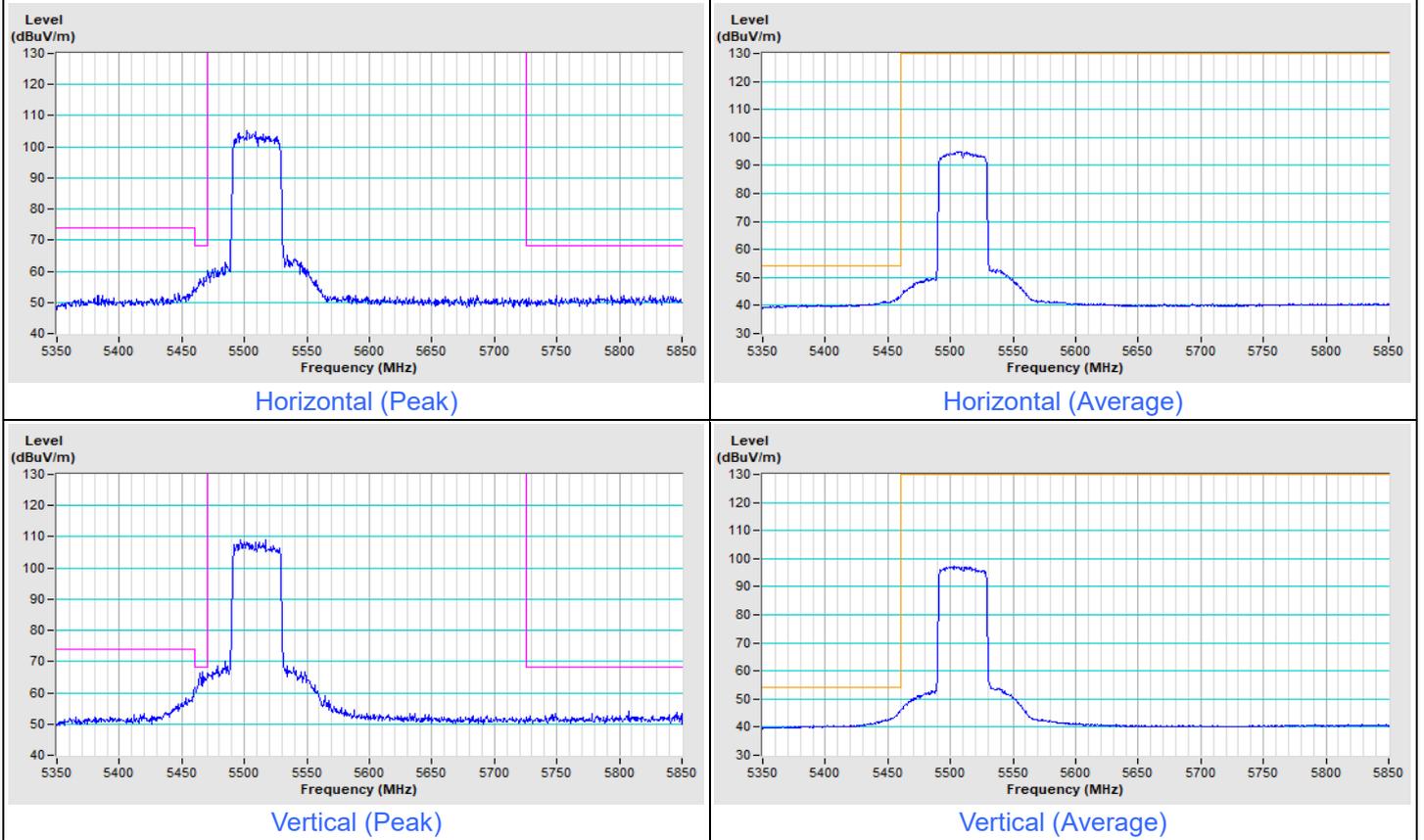
Vertical (Peak)



Vertical (Average)

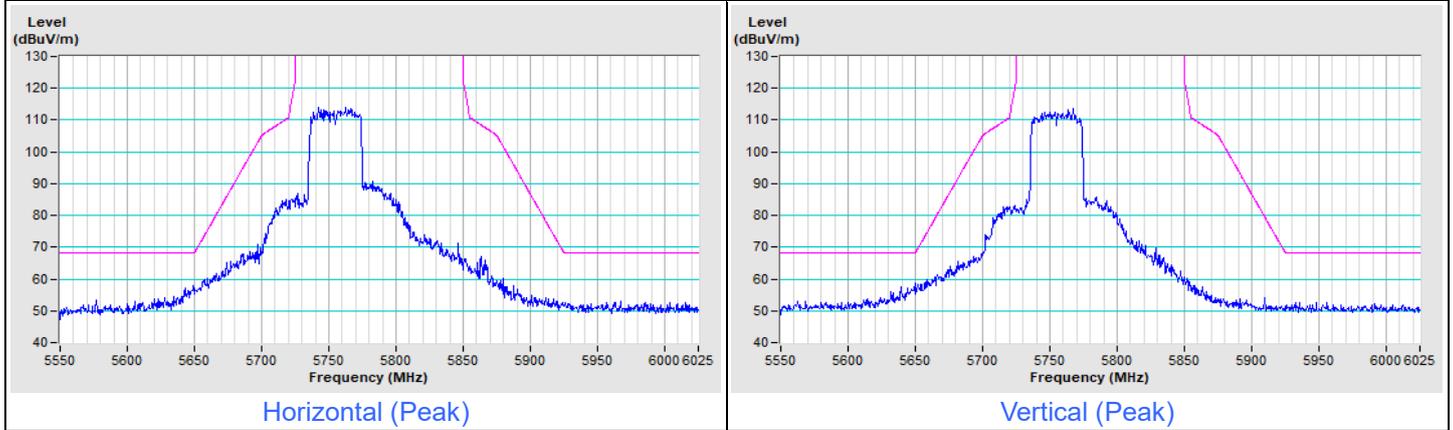
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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802.11ax (HE40) Channel 102

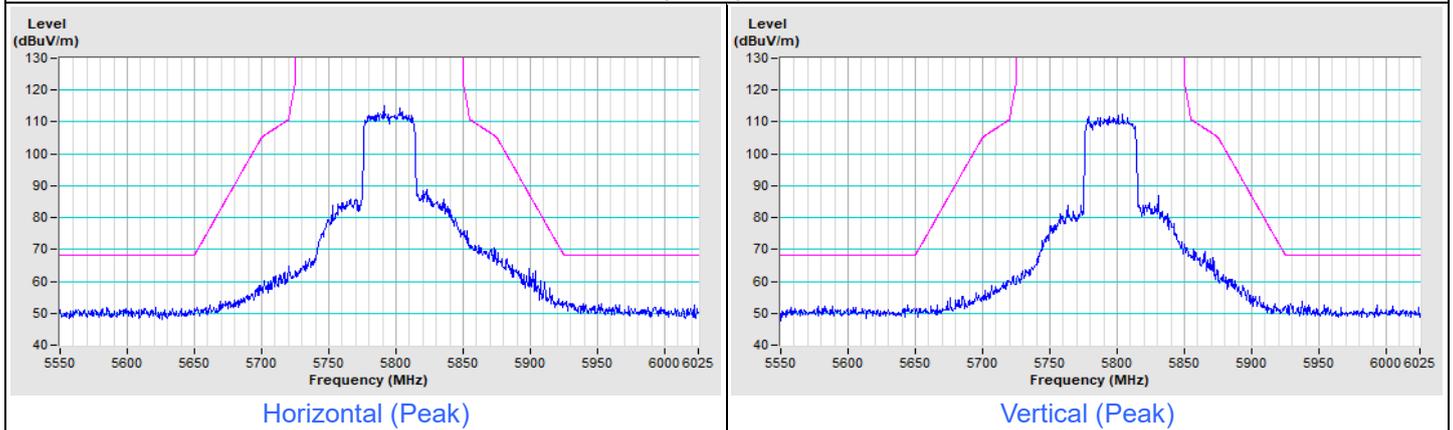


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	----------------------	-------------------------------	----------------------------------

802.11ax (HE40) Channel 151

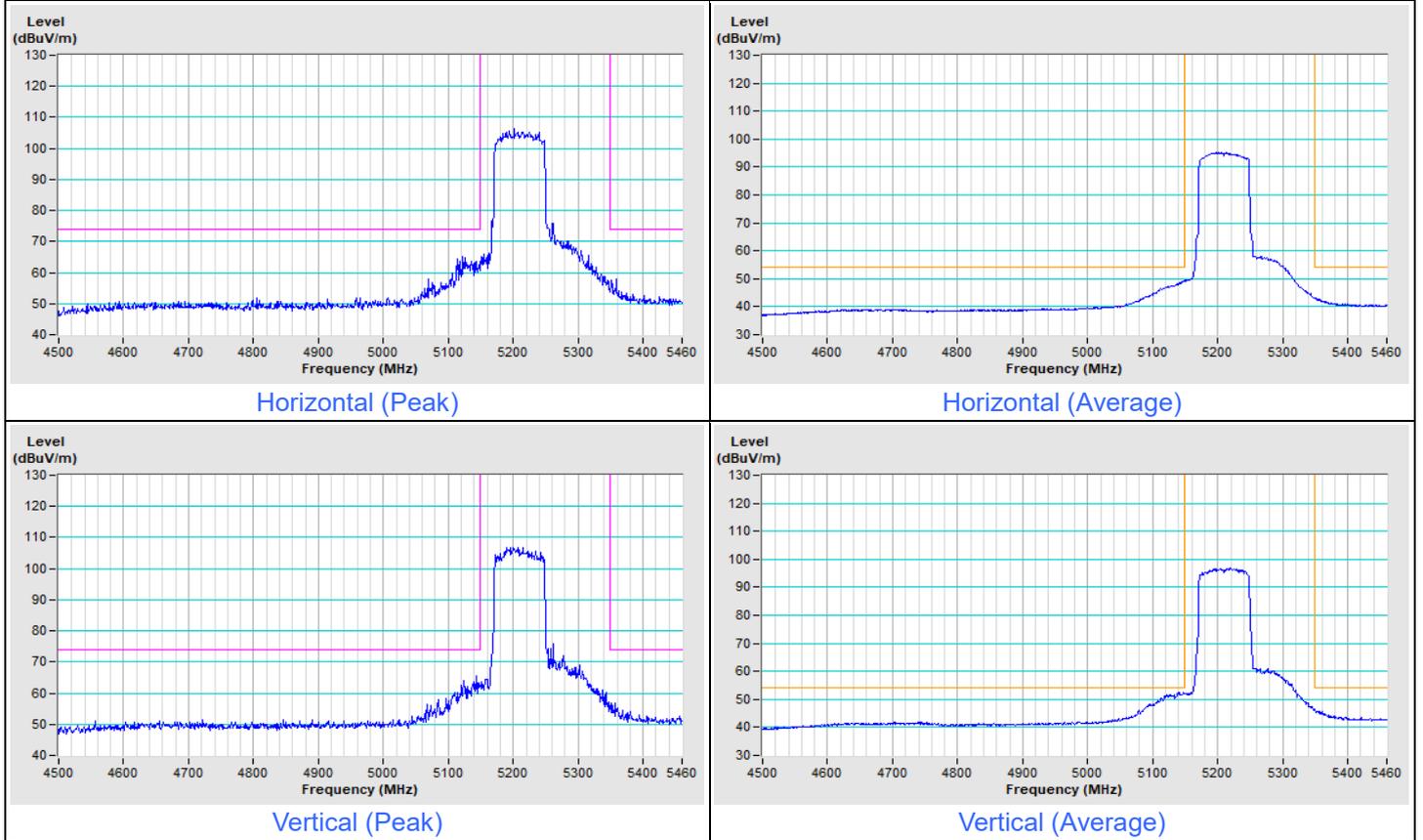


802.11ax (HE40) Channel 159

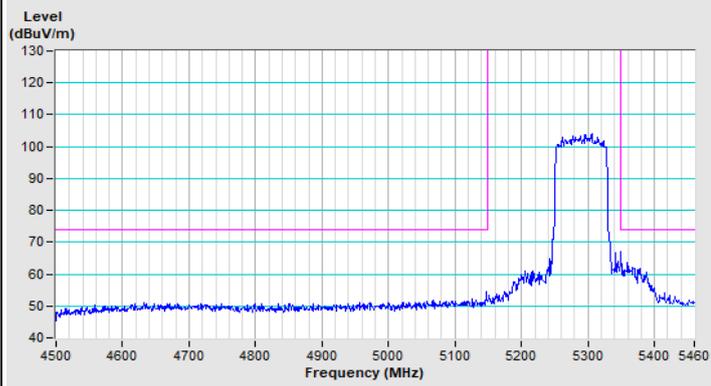


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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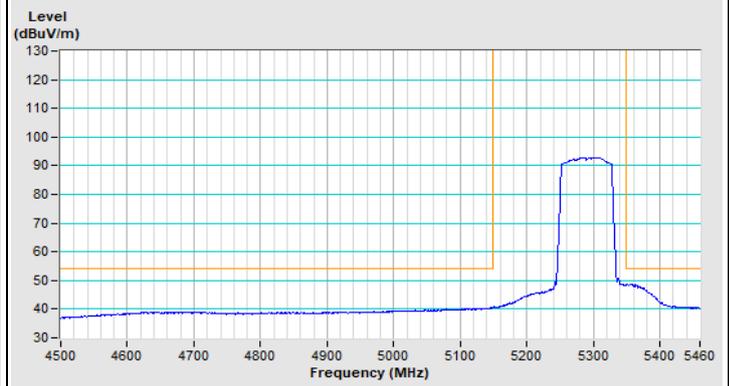
802.11ax (HE80) Channel 42



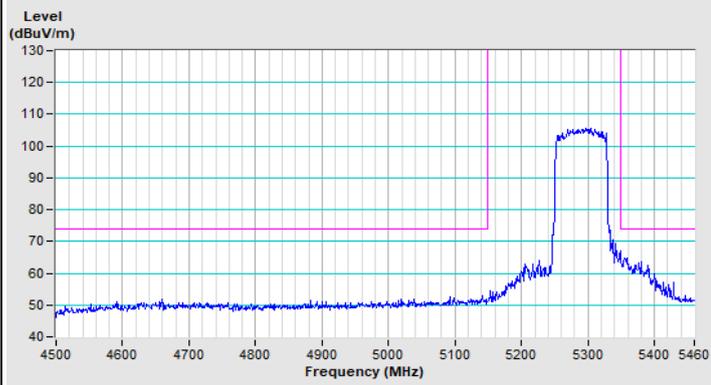
802.11ax (HE80) Channel 58



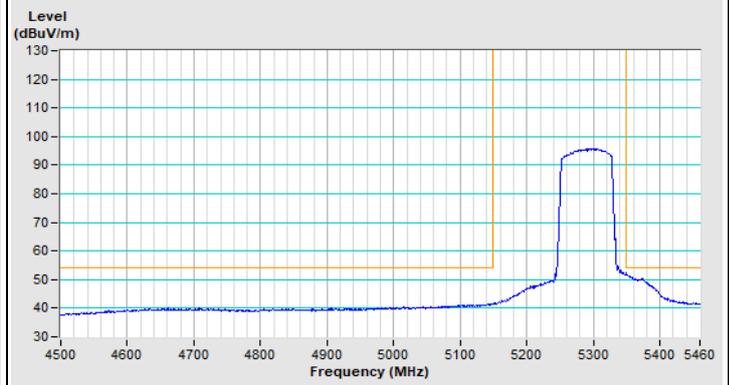
Horizontal (Peak)



Horizontal (Average)



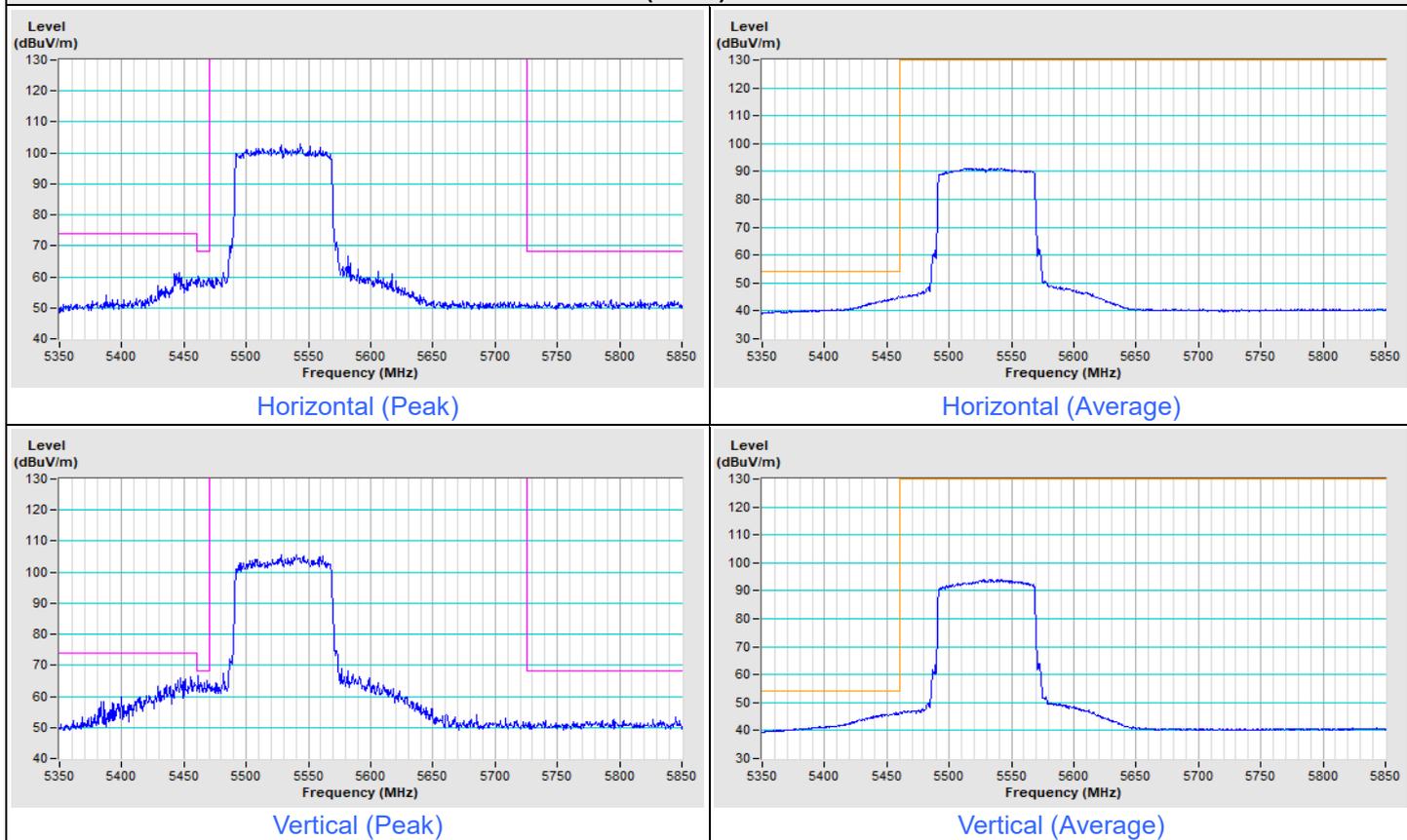
Vertical (Peak)



Vertical (Average)

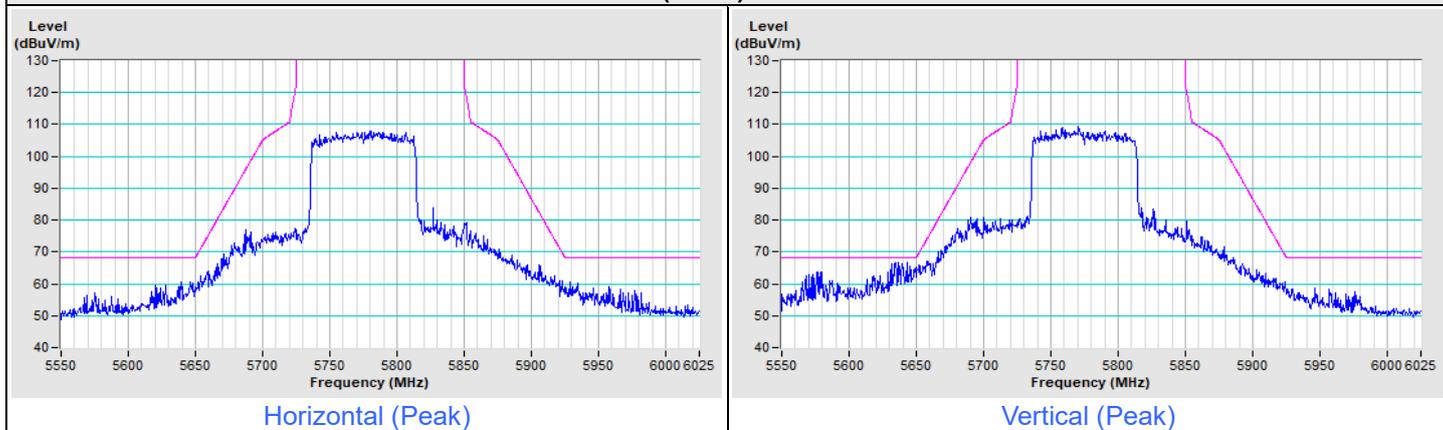
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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802.11ax (HE80) Channel 106



Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 155



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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