TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)** **ANSI C63.10-2013**
Report No.:	RFBCKS-WTW-P21123397-1
FCC ID:	2AAAS-BB02
Model No.:	BB02
Received Date:	2021/12/10
Test Date:	2021/12/20 ~ 2022/2/17
Issued Date:	2022/6/30
Applicant:	Vivint. Inc.
Address:	4931 N. 300 W. Provo, UT 84604 USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: _____ , **Date:** 2022/6/30

May Chen / Manager

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Prepared by : Claire Kuan / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P21123397-1	Original release.	2022/6/30

1 Certificate

Product:	Vivint Air Tower
Brand:	Vivint, Inc.
Test Model:	BB02
Sample Status:	Engineering sample
Applicant:	Vivint. Inc.
Test Date:	2021/12/20 ~ 2022/2/17
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10-2013
Measurement 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)	26dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1/2/3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	---	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -4.68 dB at 0.45078 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.4 dB at 63.93 MHz
15.407(b) (1/2/3/4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5464.43 MHz and 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
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	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 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	Vivint Air Tower
Brand	Vivint, Inc.
Test Model	BB02
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from power adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54Mbps 802.11n : up to 300Mbps 802.11ac: up to 866.7Mbps 802.11ax: up to 1201.0Mbps
Operating Frequency	5180 ~ 5240 MHz 5260 ~ 5320 MHz 5500 ~ 5720 MHz 5745 ~ 5825 MHz
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	5180 ~ 5240 MHz : 691.186 mW 5260 ~ 5320 MHz : 248.521 mW 5500 ~ 5720 MHz : 236.067 mW 5745 ~ 5825 MHz : 779.328 mW
EUT Category	Indoor Access Point, Client device

Note:

1. The EUT has below radios as following table:

Radio 1	Radio 2
WLAN (2.4GHz / 5GHz Low Band / 5GHz Scanning (only RX))	WLAN (5GHz High Band / 5GHz Scanning (only RX)) & Bluetooth

2. Simultaneously transmission condition.

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

3. The EUT must be supplied with a power adapter and the following different models could be chosen:

No	Brand	Model No.	Spec.
1	HONOTO	ADS-24FUD-12 12024EPCU	AC Input : 100-240V, 50/60Hz, 0.6A DC Output : 12V, 2A DC Output Cable : Unshielded, 1.51m
2	ZB-Power	ZB-H120020A-88	AC Input : 100-240V, 50/60Hz, 0.6A DC Output : 12V, 2.0A DC output Cable : Unshielded, 1.51m

4. The EUT has below source items as following table:

Source Item	3.3V to 1.0V DC/DC converter	Package	PCB Board	E-CAP
G01(A)	AU1(RT5789BGJ8F)	SOT23	PCB A	Main Source
G01(B)	AU1(RT5789BGJ8F)	SOT23	PCB A	2nd Source
G02	AU1(RT5789BGJ8F)	SOT23	PCB B	2nd Source
G03	AU11 (JWH5276)	QFN	PCB B	2nd Source
Note: PCB A(48WHVA11.SGD) and PCB B(48WHVA11.0GA) Layout different with Package, adding Colay-out for QFN.				

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
5G1	0	WHVA1	4.5	5.15~5.35 (Scanning, RX only)	PIFA	None
5G2	1	WHVA1	4.5	5.47~5.85 (Scanning, RX only)	PIFA	None
ANT 2 (2a)	2G	48XKAB18	3.5	2.4~2.4835	Dipole	ipex(MHF)
	5GL		3.1	5.15~5.35		
ANT 2 (2b)	5GH	48XKAB18	3.6	5.47~5.85	Dipole	ipex(MHF)
ANT 3 (3a)	2G	48XKAB19	2.7	2.4~2.4835	Dipole	ipex(MHF)
	5GL		3.7	5.15~5.35		
ANT 3 (3b)	BT	48XKAB19	2.9	2.4~2.4835 (BT)	Dipole	ipex(MHF)
	5GH		3.5	5.47~5.85		

2. The EUT incorporates a MIMO function.

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

Note:
1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz), 802.11ac mode for 20MHz (40MHz, 80MHz) and 802.11ax mode for 20MHz (40MH, 80MHz), therefore the manufacturer will control the power for 802.11n/ac mode is the same as the 802.11ax or more lower than it and investigated worst case to 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. The AC Adapter has the following models: Brand: HONOTO, Model: ADS-24FUD-12 12024EPCU / Brand: ZB-Power, Model: ZB-H120020A-88. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2. For RE Below 1GHz has the following source items: G01(A) / G01(B) / G02 / G03.Pre-scan these source items and find the worst case as a representative test condition.
Worst Case:	1. AC Adapter Worst Condition: Brand: HONOTO, Model: ADS-24FUD-12 12024EPCU 2. Source items for RE Below 1GHz Worst Condition: G01(A 3. Data Rate Worst Condition: 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).

Note: Partial RU (resource unit) configurations not supported.

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

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

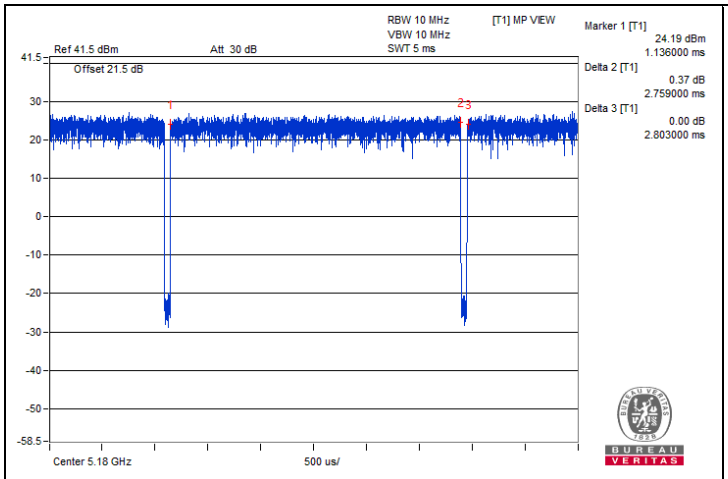
Test Item	EUT Configure Mode	Mode	Signal Mode	Operation Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	A	802.11a	CDD	Master mode	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	CDD Beamforming	Master mode	36, 40, 48, 52, 60, 64, 100, 116, 140,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

Test Item	EUT Configure Mode	Mode	Signal Mode	Operation Mode	Tested Channel	Modulation	Data Rate Parameter
Power Spectral Density \ Occupied Bandwidth	A	802.11a	CDD	Master mode	36, 40, 48, 52, 60, 64, 100, 116, 140,144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	Master mode	36, 40, 48, 52, 60, 64, 100, 116, 140,144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	Master mode	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	Master mode	42, 58, 106, 122, 138, 155	BPSK	MCS0
26dB Bandwidth	A	802.11a	CDD	Master mode	52, 60, 64, 100, 116, 140,144	BPSK	6Mb/s
		802.11ax (HE20)	CDD	Master mode	52, 60, 64, 100, 116, 140,144	BPSK	MCS0
		802.11ax (HE40)	CDD	Master mode	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11ax (HE80)	CDD	Master mode	58, 106, 122, 138	BPSK	MCS0
6dB Bandwidth	A	802.11a	CDD	Master mode	144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	Master mode	144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	Master mode	142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	Master mode	138, 155	BPSK	MCS0
Frequency Stability	A	802.11a	CDD	Master mode	36	Unmodulation	-
EUT Configure Mode:	A	EUT with AC adapter					
Note: 5GHz Radio condition: Radio 1: U_NII 1 and U_NII 2A bands Radio 2: U_NII 2C and U_NII 3 bands							

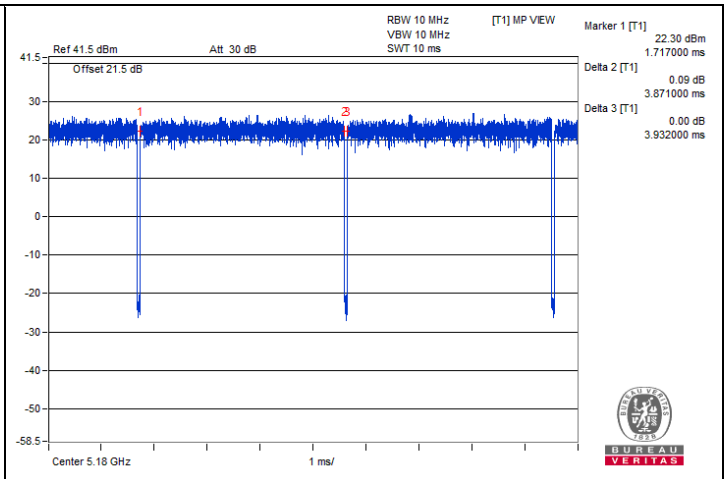
3.5 Duty Cycle of Test Signal

Duty cycle of test signal is >= 98 %, duty factor is not required.

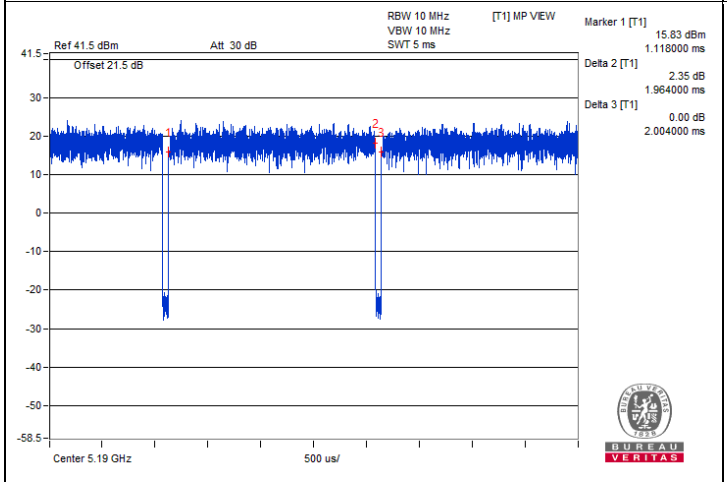
802.11a: Duty cycle = 2.759 ms / 2.803 ms = 98.4 %
802.11ax (HE20): Duty cycle = 3.871 ms / 3.932 ms = 98.4 %
802.11ax (HE40): Duty cycle = 1.964 ms / 2.004 ms = 98.0 %
802.11ax (HE80): Duty cycle = 1.876 ms / 1.915 ms = 98.0 %



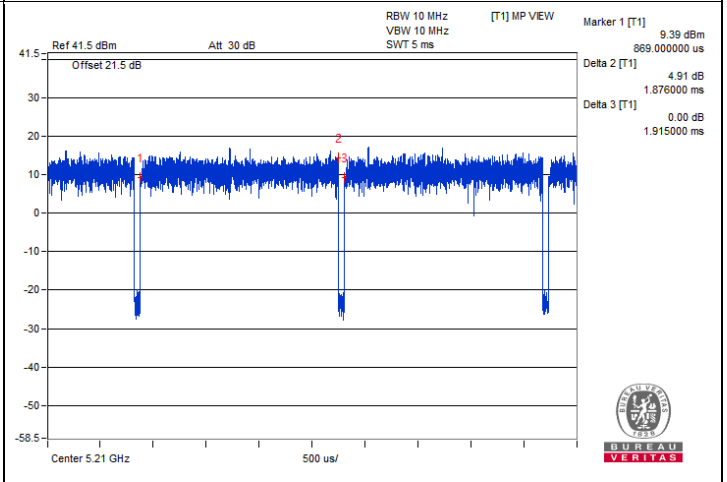
802.11a



802.11ax (HE20)



802.11ax (HE40)

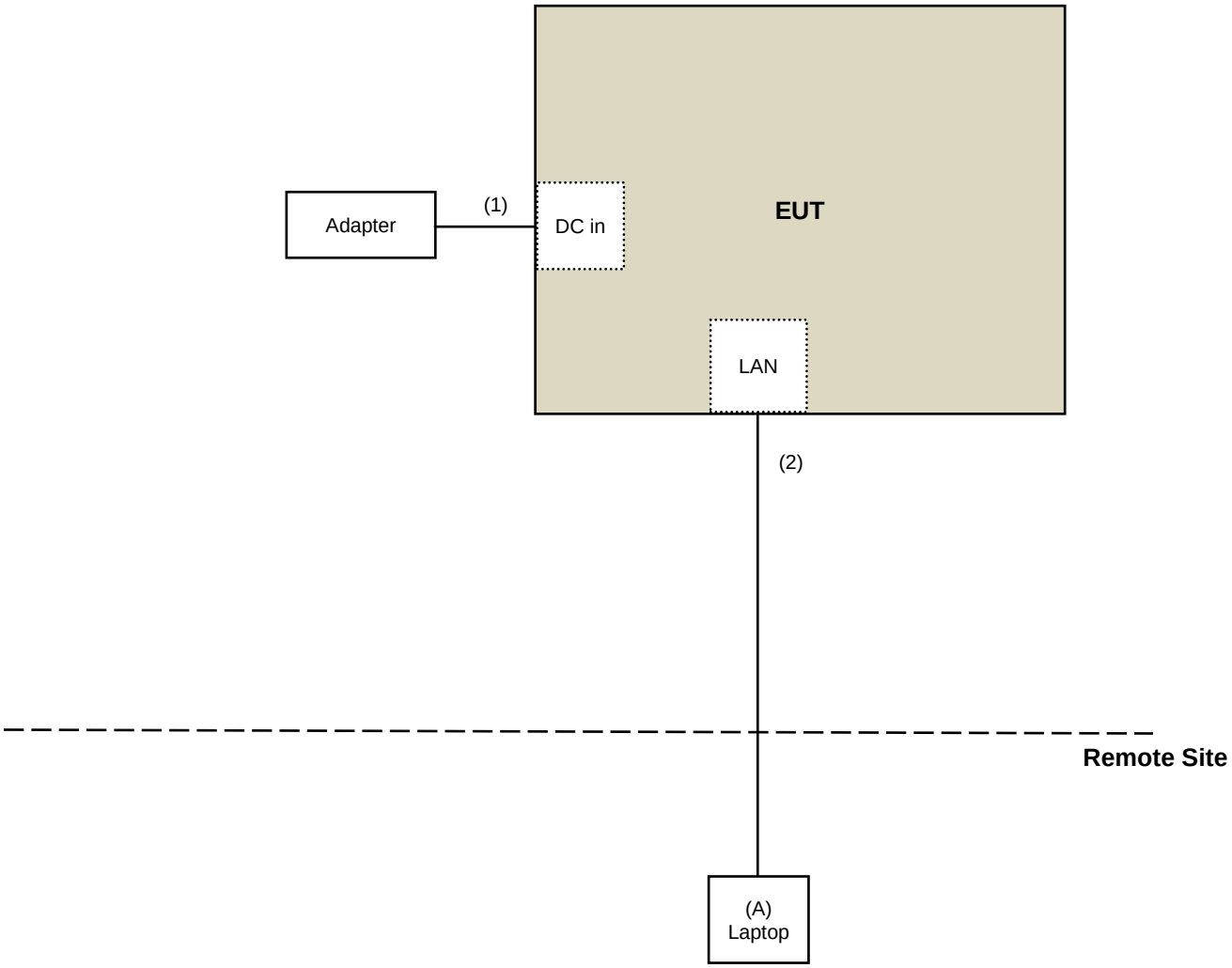


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software (package_UIv2.13_DLLv5.11_20191004-alpha-RSSI -DFS) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5520	8Y4DMQ1	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.51	No	0	Supplied by applicant
2	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 26dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2021/4/13	2022/4/12
Power Meter Anritsu	ML2495A	1529002	2021/6/21	2022/6/20
Pulse Power Sensor Anritsu	MA2411B	1339443	2021/5/31	2022/5/30
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA
Spectrum Analyzer R&S	FSV40	101516	2021/3/8	2022/3/7

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/2/10

4.2 RF Output Power

Refer to section 4.1 to get information of the instruments.

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Source GOOD WILL	6905S	1991551	NA	NA
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2021/4/13	2022/4/12
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA
Spectrum Analyzer R&S	FSV40	101516	2021/3/8	2022/3/7
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/1/14	2023/1/13
True RMS Clamp Meter Fluke	325	31130711WS	2021/6/2	2022/6/1

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/2/10

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohms Terminator	50	3	2021/10/27	2022/10/26
Fixed attenuator STI	STI02-2200-10	005	2021/8/27	2022/8/26
LISN R&S	ESH3-Z5	848773/004	2021/10/29	2022/10/28
LISN R & S	ESH3-Z5	835239/001	2021/3/26	2022/3/25
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2021/9/25	2022/9/24
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A
TEST RECEIVER R&S	ESCS 30	847124/029	2021/10/13	2022/10/12

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2021/12/30

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2021/9/23	2022/9/22
Pre_Amplifier Mini-Circuits	ZFL-1000VH2	QA0838008	2021/10/19	2022/10/18
RF Coaxial Cable COMMATE/PEWC	8D	966-3-1	2021/3/16	2022/3/15
		966-3-2	2021/3/16	2022/3/15
		966-3-3	2021/3/16	2022/3/15
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer KEYSIGHT	N9030B	MY57142938	2021/4/26	2022/4/25
Test Receiver KEYSIGHT	N9038A	MY59050100	2021/5/3	2022/5/2
Trilog Broadband Antenna Schwarzbeck	VULB 9168	9168-361	2021/10/26	2022/10/25
Pre_Amplifier EMCI	EMC001340	980142	2021/5/24	2022/5/23
LOOP ANTENNA TESEQ	HLA 6121	45745	2021/7/21	2022/7/20
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2021/1/7	2022/1/6
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-002	2021/1/7	2022/1/6

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2021/12/30

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA9120-D	9120D-406	2021/11/14	2022/11/13
	BBHA 9170	BBHA9170519	2021/11/14	2022/11/13
Pre_Amplifier EMCI	EMC12630SE	980384	2022/1/10	2023/1/9
	EMC184045SE	980387	2022/1/10	2023/1/9
	EMC12630SE	980385	2021/8/25	2022/8/24
	EMC184045SE	980770	2021/7/16	2022/7/15
RF Cable EMCI	EMC104-SM-SM-6000	210201	2021/5/13	2022/5/12
RF cable (40GHz) EMCI	EMC-KM-KM-4000	200214	2021/3/10	2022/3/9
RF cable (40GHz) HUBER+SUHNER	SUCOFLEX 102	SNMY1093/2	2021/3/10	2022/3/9
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1200	160924	2022/1/10	2023/1/9
RF Coaxial Cable EMCI	EMC104-SM-SM-1500	180504	2021/4/26	2022/4/25
	EMC104-SM-SM-2000	180601	2021/6/8	2022/6/7
	EMC104-SM-SM-6000	210201	2021/5/13	2022/5/12
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer KEYSIGHT	N9030B	MY57142938	2021/4/26	2022/4/25
Spectrum Analyzer Keysight	N9030A	MY54490679	2021/7/9	2022/7/8
Test Receiver KEYSIGHT	N9038A	MY59050100	2021/5/3	2022/5/2

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2021/12/20 ~ 2022/2/17

5 Limits of Test Items

5.1 26dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Point	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Mobile and Portable client device	250mW (24 dBm)

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

5.3 Power Spectral Density

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

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

5.4 6dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

<table>
<tr><th colspan="2">Applicable To</th><th colspan="2">Limit</th></tr>
<tr><td colspan="2" rowspan="2">789033 D02 General UNII Test Procedure New Rules v02r01</td><td colspan="2">Field Strength at 3 m</td></tr>
<tr><td>PK: 74 (dBµV/m)</td><td>AV: 54 (dBµV/m)</td></tr>
<tr><td>Frequency Band</td><td>Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3 m</td></tr>
<tr><td>5150~5250 MHz</td><td>15.407(b)(1)</td><td rowspan="3">PK: -27 (dBm/MHz)</td><td rowspan="3">PK: 68.2 (dBµV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td>15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td>15.407(b)(3)</td></tr>
<tr><td>5725~5850 MHz</td><td>15.407(b)(4)(i)</td><td>PK: -27 (dBm/MHz) *1
PK: 10 (dBm/MHz) *2
PK: 15.6 (dBm/MHz) *3
PK: 27 (dBm/MHz) *4</td><td>PK: 68.2 (dBµV/m) *1
PK: 105.2 (dBµV/m) *2
PK: 110.8 (dBµV/m) *3
PK: 122.2 (dBµV/m) *4</td></tr>
<tr><td colspan="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.</td></tr>
</table>

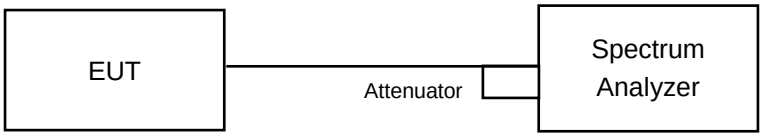
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26dB Bandwidth

6.1.1 Test Setup



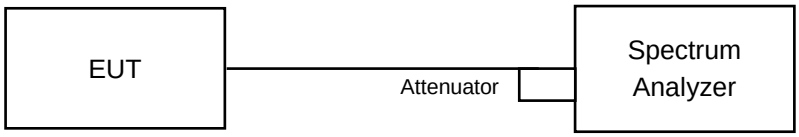
6.1.2 Test Procedure

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

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

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

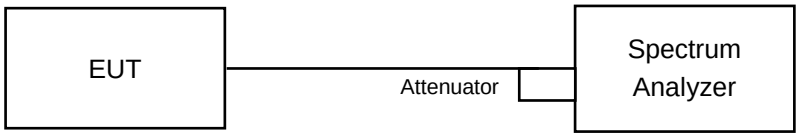
For channel straddling:

Method SA-1

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Using method SA-1

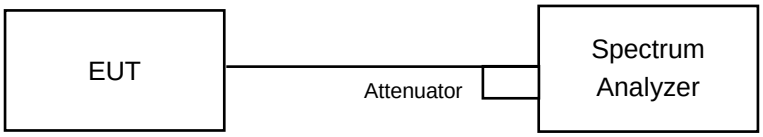
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger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

For specified measurement bandwidth 500 kHz:
Using method SA-1

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

6.4 6dB Bandwidth

6.4.1 Test Setup

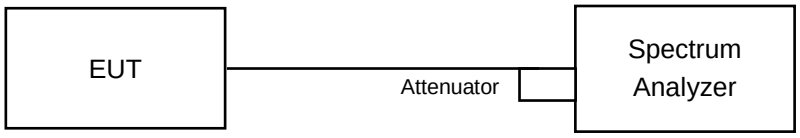


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

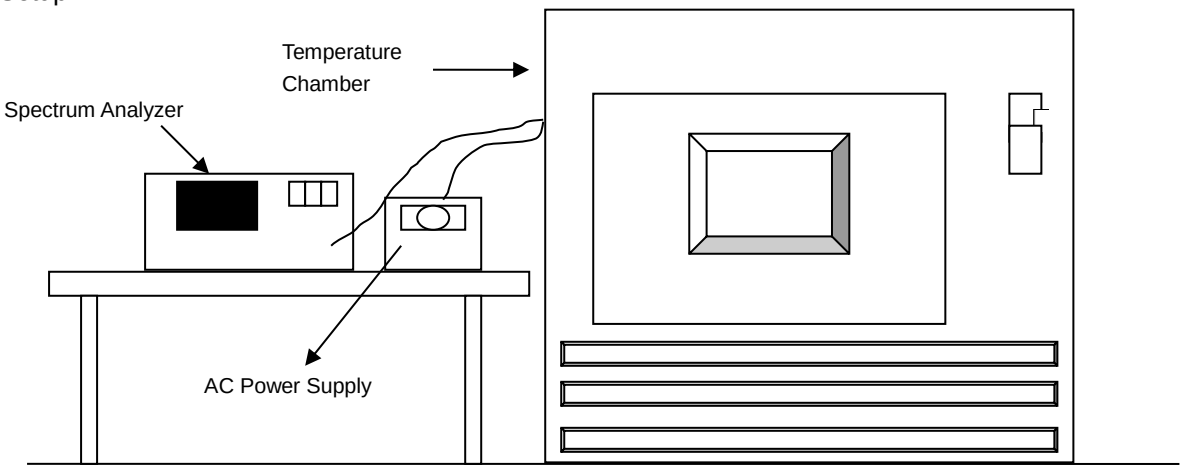


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

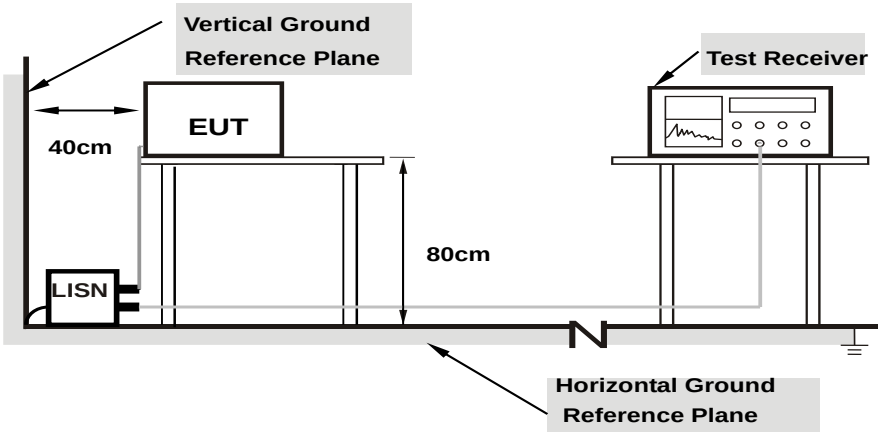


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

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

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

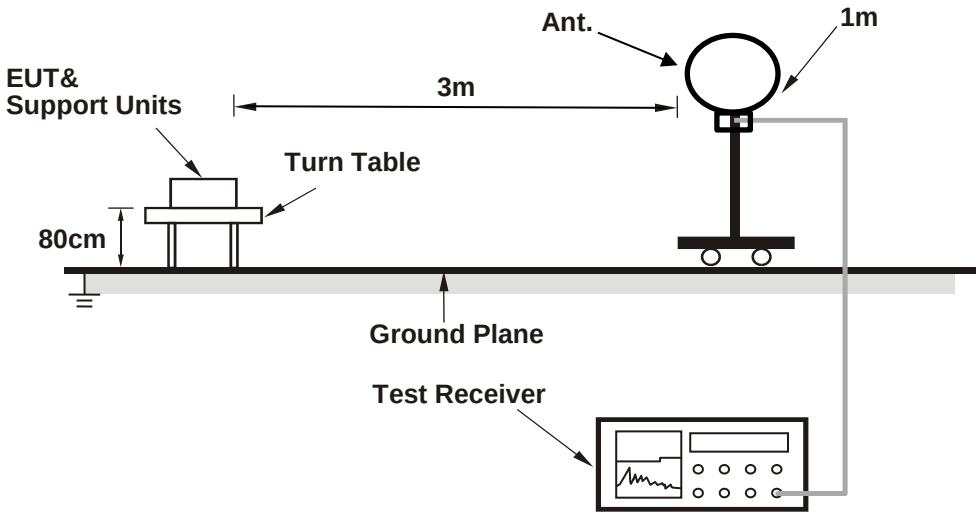
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

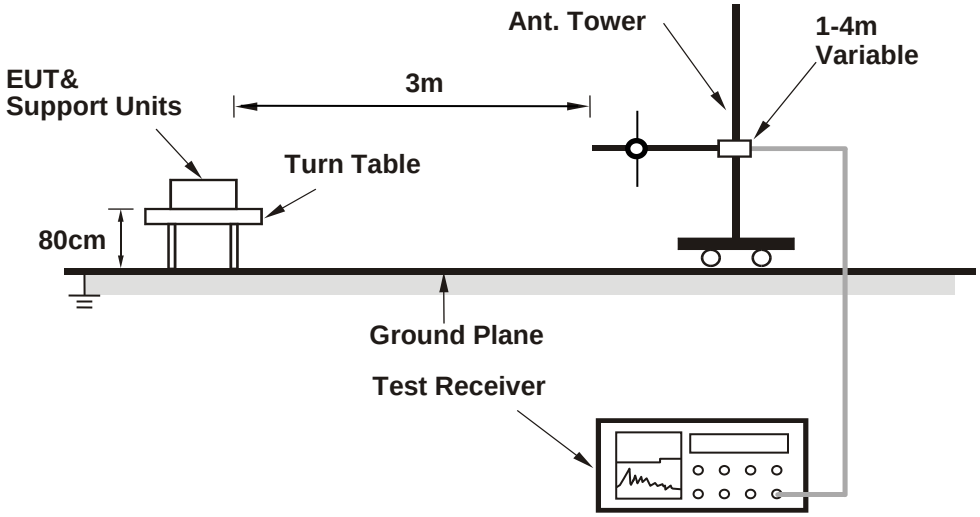
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

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

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

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

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. 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.

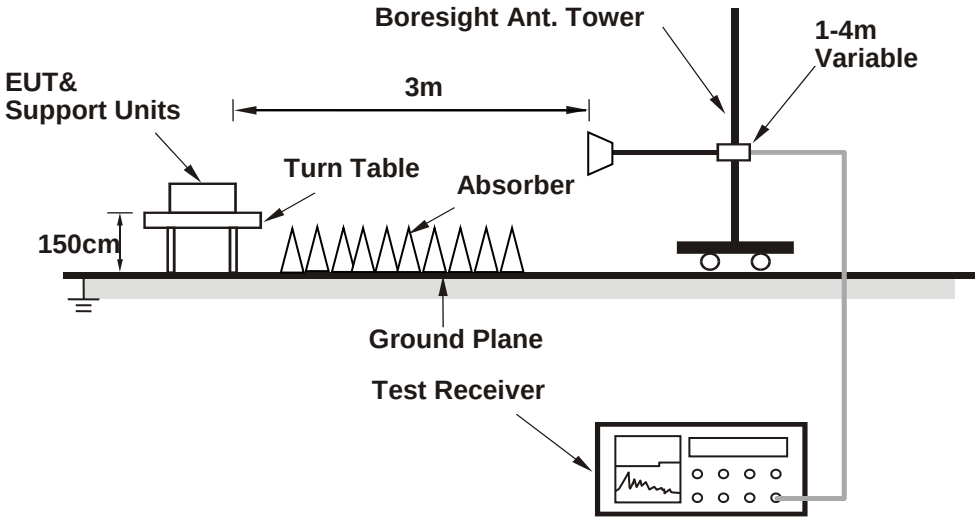
Notes:

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.

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

For Radiated emission above 1 GHz



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

6.9.2 Test Procedure

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

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

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

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

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

Notes:

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

7 Test Results of Test Item

7.1 26dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.28	19.97
60	5300	20.25	20.05
64	5320	20.39	26.83
100	5500	20.21	20.08
116	5580	20.31	20.23
140	5700	22.74	20.21
144 (U-NII-2C)	5720	18.82	20.44

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.97	24	=	24
60	5300	20.05	24.02	>	24
64	5320	20.39	24.09	>	24
100	5500	20.08	24.02	>	24
116	5580	20.23	24.05	>	24
140	5700	20.21	24.05	>	24
144 (U-NII-2C)	5720	18.82	23.74	<	24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.8	22.12
60	5300	22.13	22.73
64	5320	22.47	23.88
100	5500	21.66	27.46
116	5580	22.12	22.24
140	5700	21.94	22.15
144 (U-NII-2C)	5720	19.04	21.41

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.8	24.38	>	24
60	5300	22.13	24.44	>	24
64	5320	22.47	24.51	>	24
100	5500	21.66	24.35	>	24
116	5580	22.12	24.44	>	24
140	5700	21.94	24.41	>	24
144 (U-NII-2C)	5720	19.04	23.79	<	24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.14	41.22
62	5310	41.32	41.4
102	5510	41.29	41.37
110	5550	40.87	41.07
134	5670	45.79	41.03
142 (U-NII-2C)	5710	35.76	35.51

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	41.14	27.14	>	24
62	5310	41.32	27.16	>	24
102	5510	41.29	27.15	>	24
110	5550	40.87	27.11	>	24
134	5670	41.03	27.13	>	24
142 (U-NII-2C)	5710	35.51	26.5	>	24

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

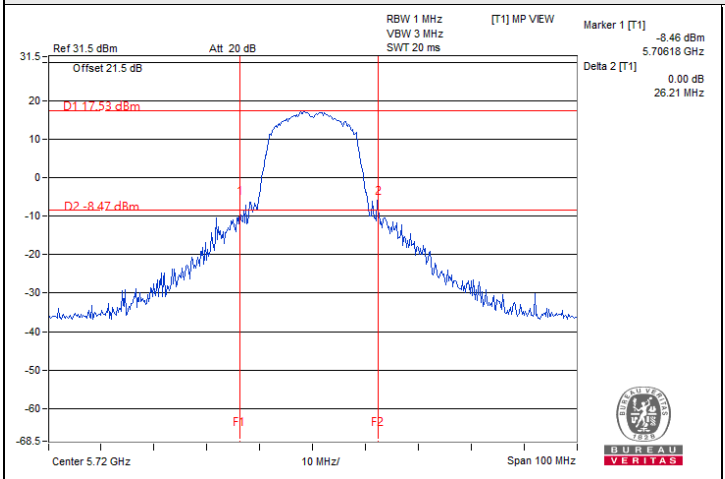
802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	81.43	81.25
106	5530	81.65	81.33
122	5610	81.58	81.36
138 (U-NII-2C)	5690	75.84	75.83

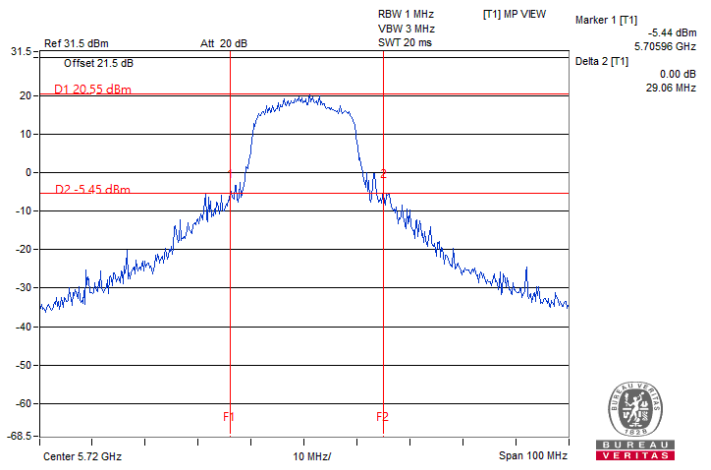
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	81.25	30.09	>	24
106	5530	81.33	30.1	>	24
122	5610	81.36	30.1	>	24
138 (U-NII-2C)	5690	75.83	29.79	>	24

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

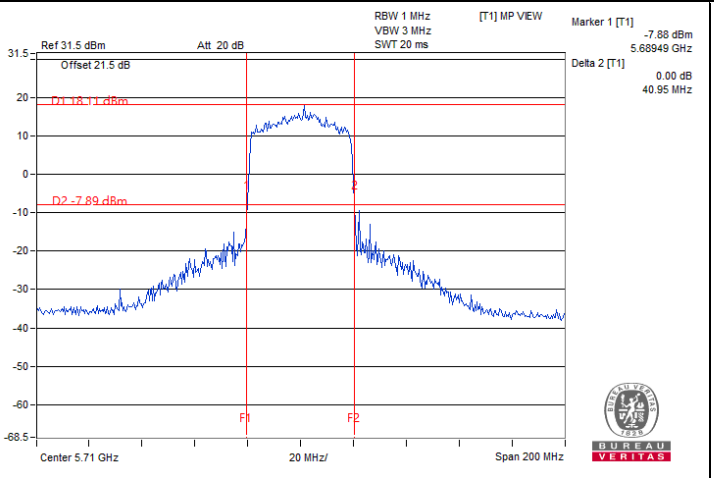
Spectrum Plot of Minimum Value



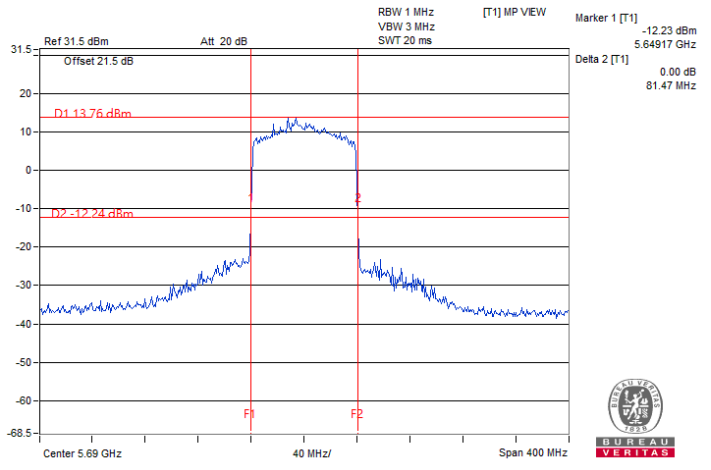
802.11a \ Chain0 : CH 144 (U-NII-2c)



802.11ax (HE20) \ Chain0 : CH 144 (U-NII-2c)



802.11ax (HE40) \ Chain1 : CH 142 (U-NII-2c)



802.11ax (HE80) \ Chain1 : CH 138 (U-NII-2c)

Notes:

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

7.2 RF Output Power

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

802.11a Master_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	23.23	23.68	443.724	26.47	30	Pass
40	5200	25.31	25.46	691.186	28.40	30	Pass
48	5240	25.34	25.24	676.174	28.30	30	Pass
52	5260	20.56	20.48	225.449	23.53	24	Pass
60	5300	20.25	19.97	205.237	23.12	24	Pass
64	5320	20.48	20.41	221.587	23.46	24	Pass
100	5500	20.13	20.28	209.698	23.22	24	Pass
116	5580	20.11	20.32	210.212	23.23	24	Pass
140	5700	20.13	20.30	210.191	23.23	24	Pass
*144 (U-NII-2C)	5720	19.59	19.23	174.744	22.42	23.74	Pass
*144 (U-NII-3)	5720	12.96	11.10	32.652	15.14	30	Pass
149	5745	26.58	25.11	779.328	28.92	30	Pass
157	5785	26.28	25.39	770.559	28.87	30	Pass
165	5825	26.06	25.01	720.602	28.58	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) Master_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	21.78	22.09	312.469	24.95	30	Pass
40	5200	24.96	25.21	645.223	28.10	30	Pass
48	5240	25.08	24.90	631.136	28.00	30	Pass
52	5260	20.55	20.51	225.962	23.54	24	Pass
60	5300	20.56	20.48	225.449	23.53	24	Pass
64	5320	20.52	20.49	224.664	23.52	24	Pass
100	5500	20.38	20.42	219.298	23.41	24	Pass
116	5580	20.19	20.54	217.712	23.38	24	Pass
140	5700	19.27	18.81	160.561	22.06	24	Pass
*144 (U-NII-2C)	5720	19.52	18.95	168.06	22.25	23.79	Pass
*144 (U-NII-3)	5720	12.84	12.10	35.449	15.50	30	Pass
149	5745	25.93	24.33	662.761	28.21	30	Pass
157	5785	25.30	24.57	625.262	27.96	30	Pass
165	5825	25.38	24.22	609.385	27.85	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40) Master_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.47	19.61	179.923	22.55	30	Pass
46	5230	24.81	24.93	613.863	27.88	30	Pass
54	5270	21.03	20.65	242.91	23.85	24	Pass
62	5310	20.57	19.51	203.356	23.08	24	Pass
102	5510	18.87	19.51	166.421	22.21	24	Pass
110	5550	20.02	20.96	225.2	23.53	24	Pass
134	5670	20.45	20.73	229.222	23.60	24	Pass
*142 (U-NII-2C)	5710	19.49	19.76	183.544	22.64	24	Pass
*142 (U-NII-3)	5710	8.07	8.27	13.126	11.18	30	Pass
151	5755	25.96	25.08	716.564	28.55	30	Pass
159	5795	25.43	25.28	686.428	28.37	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80) Master_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.17	17.45	107.71	20.32	30	Pass
58	5290	20.65	20.38	225.289	23.53	24	Pass
106	5530	19.35	19.72	179.856	22.55	24	Pass
122	5610	20.52	20.46	223.893	23.50	24	Pass
*138 (U-NII-2C)	5690	19.53	19.79	185.022	22.67	24	Pass
*138 (U-NII-3)	5690	4.25	4.04	5.196	7.16	30	Pass
155	5775	24.79	24.00	552.489	27.42	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Master_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	21.99	22.36	330.312	25.19	30	Pass
40	5200	25.18	25.44	679.555	28.32	30	Pass
48	5240	25.36	25.12	668.645	28.25	30	Pass
52	5260	20.88	20.81	242.965	23.86	24	Pass
60	5300	20.86	20.78	241.573	23.83	24	Pass
64	5320	20.89	20.59	237.295	23.75	24	Pass
100	5500	20.70	20.74	236.067	23.73	24	Pass
116	5580	20.39	20.74	227.973	23.58	24	Pass
140	5700	19.55	19.09	171.253	22.34	24	Pass
*144 (U-NII-2C)	5720	19.82	19.42	183.438	22.63	23.79	Pass
*144 (U-NII-3)	5720	13.11	12.50	38.247	15.83	30	Pass
149	5745	26.07	24.69	699.018	28.44	30	Pass
157	5785	25.69	24.89	679	28.32	30	Pass
165	5825	25.64	24.34	638.082	28.05	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Master_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.67	19.83	188.844	22.76	30	Pass
46	5230	25.01	25.17	645.808	28.10	30	Pass
54	5270	21.11	20.77	248.521	23.95	24	Pass
62	5310	20.63	19.85	212.216	23.27	24	Pass
102	5510	19.12	19.72	175.414	22.44	24	Pass
110	5550	20.11	21.06	230.209	23.62	24	Pass
134	5670	20.52	20.87	234.9	23.71	24	Pass
*142 (U-NII-2C)	5710	19.86	20.16	200.581	23.02	24	Pass
*142 (U-NII-3)	5710	8.46	8.49	14.078	11.49	30	Pass
151	5755	26.10	25.19	737.75	28.68	30	Pass
159	5795	25.83	25.37	727.175	28.62	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Master_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.43	17.66	113.68	20.56	30	Pass
58	5290	20.72	20.46	229.205	23.60	24	Pass
106	5530	19.43	19.81	183.419	22.63	24	Pass
122	5610	20.55	20.52	226.221	23.55	24	Pass
*138 (U-NII-2C)	5690	19.95	20.05	200.013	23.01	24	Pass
*138 (U-NII-3)	5690	4.53	4.36	5.567	7.46	30	Pass
155	5775	25.03	24.21	582.053	27.65	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) Master_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	21.78	22.09	312.469	24.95	29.58	Pass
40	5200	24.96	25.21	645.223	28.10	29.58	Pass
48	5240	25.08	24.90	631.136	28.00	29.58	Pass
52	5260	20.19	20.22	209.668	23.22	23.58	Pass
60	5300	20.21	20.13	207.993	23.18	23.58	Pass
64	5320	20.25	20.05	207.083	23.16	23.58	Pass
100	5500	20.09	20.15	205.608	23.13	23.44	Pass
116	5580	19.72	20.02	194.218	22.88	23.44	Pass
140	5700	19.27	18.81	160.561	22.06	23.44	Pass
*144 (U-NII-2C)	5720	19.10	18.81	157.316	21.97	23.23	Pass
*144 (U-NII-3)	5720	12.41	11.90	32.906	15.17	29.44	Pass
149	5745	25.93	24.33	662.761	28.21	29.44	Pass
157	5785	25.30	24.57	625.262	27.96	29.44	Pass
165	5825	25.38	24.22	609.385	27.85	29.44	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.42-6) = 29.58 dBm.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.42-6)].
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.56-6)].
6. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.56-6) = 29.44 dBm.

802.11ac (VHT40) Master_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.47	19.61	179.923	22.55	29.58	Pass
46	5230	24.81	24.93	613.863	27.88	29.58	Pass
54	5270	20.51	20.13	215.499	23.33	23.58	Pass
62	5310	20.57	19.51	203.356	23.08	23.58	Pass
102	5510	18.87	19.51	166.421	22.21	23.44	Pass
110	5550	19.65	20.51	204.718	23.11	23.44	Pass
134	5670	19.99	20.28	206.43	23.15	23.44	Pass
*142 (U-NII-2C)	5710	19.21	19.05	163.721	22.14	23.44	Pass
*142 (U-NII-3)	5710	7.34	7.45	10.979	10.41	29.44	Pass
151	5755	25.96	25.08	716.564	28.55	29.44	Pass
159	5795	25.43	25.28	686.428	28.37	29.44	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = $10 \log[(10^{Chain0/20} + 10^{Chain1/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.42-6) = 29.58 dBm.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.42-6)].
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.56-6)].
6. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.56-6) = 29.44 dBm.

802.11ac (VHT80) Master_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.17	17.45	107.71	20.32	29.58	Pass
58	5290	20.21	19.92	203.129	23.08	23.58	Pass
106	5530	19.35	19.72	179.856	22.55	23.44	Pass
122	5610	19.95	19.91	196.804	22.94	23.44	Pass
*138 (U-NII-2C)	5690	19.02	19.30	164.913	22.17	23.44	Pass
*138 (U-NII-3)	5690	3.24	3.83	4.524	6.56	29.44	Pass
155	5775	24.79	24.00	552.489	27.42	29.44	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.42-6) = 29.58 dBm.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.42-6)].
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.56-6)].
6. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.56-6) = 29.44 dBm.

802.11ax (HE20) Master_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	21.99	22.36	330.312	25.19	29.58	Pass
40	5200	25.18	25.44	679.555	28.32	29.58	Pass
48	5240	25.36	25.12	668.645	28.25	29.58	Pass
52	5260	20.30	20.34	215.295	23.33	23.58	Pass
60	5300	20.35	20.22	213.589	23.30	23.58	Pass
64	5320	20.33	20.11	210.46	23.23	23.58	Pass
100	5500	20.22	20.26	211.366	23.25	23.44	Pass
116	5580	19.93	20.31	205.8	23.13	23.44	Pass
140	5700	19.55	19.09	171.253	22.34	23.44	Pass
*144 (U-NII-2C)	5720	19.26	19.03	164.317	22.16	23.23	Pass
*144 (U-NII-3)	5720	12.20	12.24	33.345	15.23	29.44	Pass
149	5745	26.07	24.69	699.018	28.44	29.44	Pass
157	5785	25.69	24.89	679	28.32	29.44	Pass
165	5825	25.64	24.34	638.082	28.05	29.44	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.42-6) = 29.58 dBm.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.42-6)].
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.56-6)].
6. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.56-6) = 29.44 dBm.

802.11ax (HE40) Master_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.67	19.83	188.844	22.76	29.58	Pass
46	5230	25.01	25.17	645.808	28.10	29.58	Pass
54	5270	20.65	20.22	221.341	23.45	23.58	Pass
62	5310	20.63	19.85	212.216	23.27	23.58	Pass
102	5510	19.12	19.72	175.414	22.44	23.44	Pass
110	5550	19.72	20.59	208.307	23.19	23.44	Pass
134	5670	20.08	20.40	211.507	23.25	23.44	Pass
*142 (U-NII-2C)	5710	19.37	19.12	168.155	22.26	23.44	Pass
*142 (U-NII-3)	5710	7.59	7.50	11.365	10.56	29.44	Pass
151	5755	26.10	25.19	737.75	28.68	29.44	Pass
159	5795	25.83	25.37	727.175	28.62	29.44	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.42-6) = 29.58 dBm.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.42-6)].
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.56-6)].
6. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.56-6) = 29.44 dBm.

802.11ax (HE80) Master_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.43	17.66	113.68	20.56	29.58	Pass
58	5290	20.30	19.98	206.692	23.15	23.58	Pass
106	5530	19.43	19.81	183.419	22.63	23.44	Pass
122	5610	20.02	20.00	200.462	23.02	23.44	Pass
*138 (U-NII-2C)	5690	19.25	19.56	174.504	22.42	23.44	Pass
*138 (U-NII-3)	5690	3.82	4.17	5.022	7.01	29.44	Pass
155	5775	25.03	24.21	582.053	27.65	29.44	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.42-6) = 29.58 dBm.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.42-6)].
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.56-6)].
6. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.56-6) = 29.44 dBm.

802.11a Client_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	20.31	20.77	226.798	23.56	24	Pass
40	5200	20.38	20.56	222.907	23.48	24	Pass
48	5240	20.45	20.54	224.158	23.51	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) Client_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	20.36	20.65	224.787	23.52	24	Pass
40	5200	20.33	20.69	225.114	23.52	24	Pass
48	5240	20.29	20.58	221.193	23.45	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40) Client_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.47	19.61	179.923	22.55	24	Pass
46	5230	20.62	20.76	234.47	23.70	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80) Client_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.17	17.45	107.71	20.32	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Client_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	20.52	20.89	235.464	23.72	24	Pass
40	5200	20.58	20.92	237.883	23.76	24	Pass
48	5240	20.45	20.95	235.369	23.72	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Client_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.67	19.83	188.844	22.76	24	Pass
46	5230	20.67	20.85	238.3	23.77	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Client_CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.43	17.66	113.68	20.56	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 3.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) Client_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.99	20.32	207.417	23.17	23.58	Pass
40	5200	20.03	20.36	209.336	23.21	23.58	Pass
48	5240	19.95	20.30	206.007	23.14	23.58	Pass

Notes:

1. Directional gain = 10 log[(10$^{Chain0/20}$ + 10$^{Chain1/20}$)^2 / 2]
2. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 24-(6.42-6) = 23.58 dBm.

802.11ac (VHT40) Client_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.47	19.61	179.923	22.55	23.58	Pass
46	5230	20.11	20.15	206.079	23.14	23.58	Pass

Notes:

1. Directional gain = 10 log[(10$^{Chain0/20}$ + 10$^{Chain1/20}$)^2 / 2]
2. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 24-(6.42-6) = 23.58 dBm.

802.11ac (VHT80) Client_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.17	17.45	107.71	20.32	23.58	Pass

Notes:

1. Directional gain = 10 log[(10$^{Chain0/20}$ + 10$^{Chain1/20}$)^2 / 2]
2. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 24-(6.42-6) = 23.58 dBm.

802.11ax (HE20) Client_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	20.05	20.40	210.806	23.24	23.58	Pass
40	5200	20.10	20.42	212.483	23.27	23.58	Pass
48	5240	20.02	20.41	210.362	23.23	23.58	Pass

Notes:

1. Directional gain = 10 log[(10$^{Chain0/20}$ + 10$^{Chain1/20}$)^2 / 2]
2. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 24-(6.42-6) = 23.58 dBm.

802.11ax (HE40) Client_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	19.67	19.83	188.844	22.76	23.58	Pass
46	5230	20.11	20.24	208.247	23.19	23.58	Pass

Notes:

1. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
2. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 24-(6.42-6) = 23.58 dBm.

802.11ax (HE80) Client_BF

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	17.43	17.66	113.68	20.56	23.58	Pass

Notes:

1. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
2. For U-NII-1, the directional gain is 6.42 dBi > 6 dBi, so the output power limit shall be reduced to 24-(6.42-6) = 23.58 dBm.

7.3 Power Spectral Density

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

802.11a Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	9.57	11.02	13.37	16.58	Pass
40	5200	11.40	12.57	15.03	16.58	Pass
48	5240	11.83	12.34	15.10	16.58	Pass
52	5260	7.33	7.47	10.41	10.58	Pass
60	5300	6.70	7.28	10.01	10.58	Pass
64	5320	7.52	7.27	10.41	10.58	Pass
100	5500	7.41	7.10	10.27	10.44	Pass
116	5580	7.20	7.17	10.20	10.44	Pass
140	5700	6.73	7.31	10.04	10.44	Pass
144 (U-NII-2C)	5720	6.69	7.59	10.17	10.44	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{Chain0/20} + 10^{Chain1/20})^2 / 2]$
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.42-6) = 16.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.56-6) = 10.44 dBm/MHz.

802.11ax (HE20) Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.75	9.05	11.46	16.58	Pass
40	5200	10.95	11.92	14.47	16.58	Pass
48	5240	11.28	12.15	14.75	16.58	Pass
52	5260	7.46	7.35	10.42	10.58	Pass
60	5300	7.41	7.33	10.38	10.58	Pass
64	5320	7.32	7.26	10.30	10.58	Pass
100	5500	7.01	7.14	10.09	10.44	Pass
116	5580	7.47	7.25	10.37	10.44	Pass
140	5700	7.02	7.39	10.22	10.44	Pass
144 (U-NII-2C)	5720	7.01	7.12	10.08	10.44	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.42-6) = 16.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.56-6) = 10.44 dBm/MHz.

802.11ax (HE40) Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	3.25	3.45	6.36	16.58	Pass
46	5230	8.91	8.88	11.91	16.58	Pass
54	5270	5.05	4.68	7.88	10.58	Pass
62	5310	5.14	4.61	7.89	10.58	Pass
102	5510	3.92	4.00	6.97	10.44	Pass
110	5550	5.24	4.98	8.12	10.44	Pass
134	5670	5.05	4.32	7.71	10.44	Pass
142 (U-NII-2C)	5710	4.48	4.33	7.42	10.44	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.42-6) = 16.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.56-6) = 10.44 dBm/MHz.

802.11ax (HE80) Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-1.44	-1.21	1.69	16.58	Pass
58	5290	1.80	1.40	4.61	10.58	Pass
106	5530	1.35	0.77	4.08	10.44	Pass
122	5610	2.03	1.42	4.75	10.44	Pass
138 (U-NII-2C)	5690	1.47	1.01	4.26	10.44	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.42-6) = 16.58 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.42 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.56-6) = 10.44 dBm/MHz.

802.11a Client_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	6.77	7.57	10.20	10.58	Pass
40	5200	6.79	7.49	10.16	10.58	Pass
48	5240	7.03	6.83	9.94	10.58	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.

802.11ax (HE20) Client_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.20	7.84	10.54	10.58	Pass
40	5200	7.01	7.72	10.39	10.58	Pass
48	5240	7.26	7.21	10.25	10.58	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.

802.11ax (HE40) Client_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	3.25	3.45	6.36	10.58	Pass
46	5230	5.18	5.32	8.26	10.58	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.

802.11ax (HE80) Client_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-1.44	-1.21	1.69	10.58	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.42 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.42-6) = 10.58 dBm/MHz.

802.11a Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-3.84	-0.21	1.35	3.57	29.44	Pass
149	5745	3.88	6.13	8.16	10.38	29.44	Pass
157	5785	3.97	5.67	7.91	10.13	29.44	Pass
165	5825	3.21	5.65	7.61	9.83	29.44	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.56-6) = 29.44 dBm/500kHz.

802.11ax (HE20) Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-3.29	-3.75	-0.5	1.72	29.44	Pass
149	5745	3.06	4.46	6.83	9.05	29.44	Pass
157	5785	3.58	4.04	6.83	9.05	29.44	Pass
165	5825	3.04	3.82	6.46	8.68	29.44	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.56-6) = 29.44 dBm/500kHz.

802.11ax (HE40) Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-7.70	-8.38	-5.02	-2.80	29.44	Pass
151	5755	0.48	1.11	3.82	6.04	29.44	Pass
159	5795	0.13	0.43	3.29	5.51	29.44	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.56-6) = 29.44 dBm/500kHz.

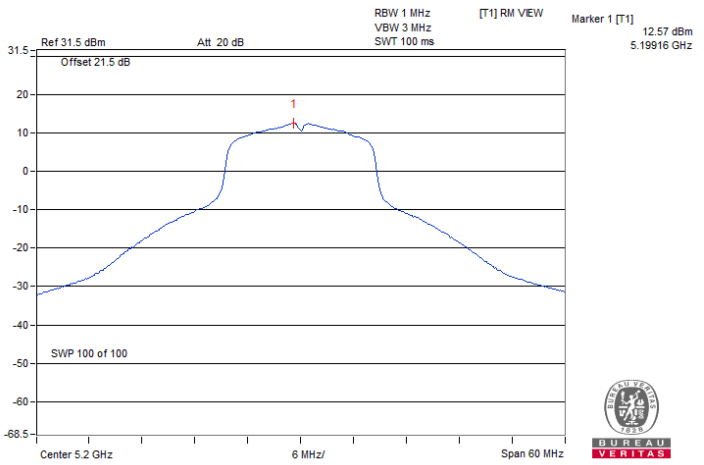
802.11ax (HE80) Master_CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-12.01	-12.77	-9.36	-7.14	29.44	Pass
155	5775	-3.64	-3.06	-0.33	1.89	29.44	Pass

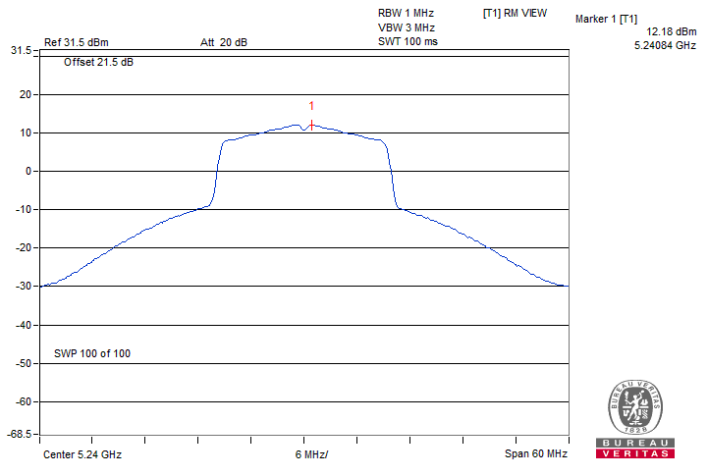
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.56 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.56-6) = 29.44 dBm/500kHz.

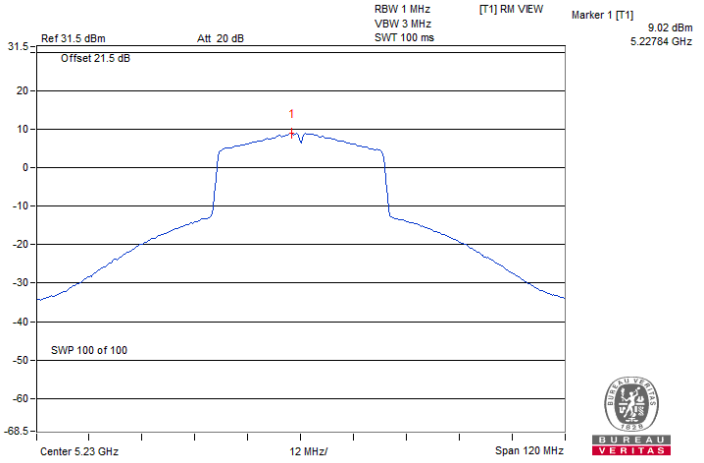
Spectrum Plot of Maximum Value



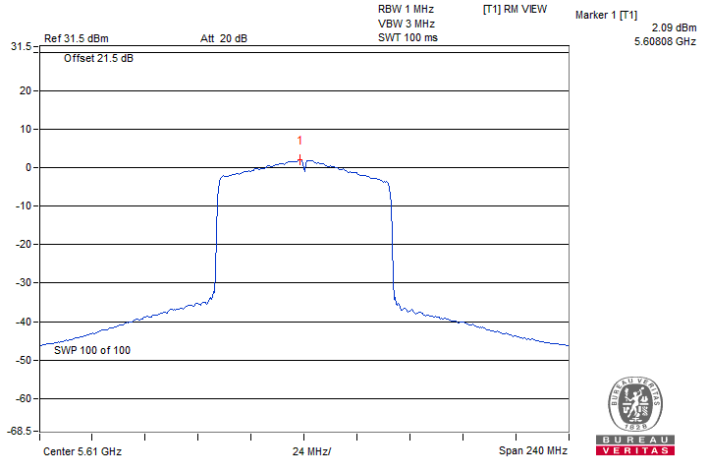
802.11a Master_CDD \ Chain1 : CH 40



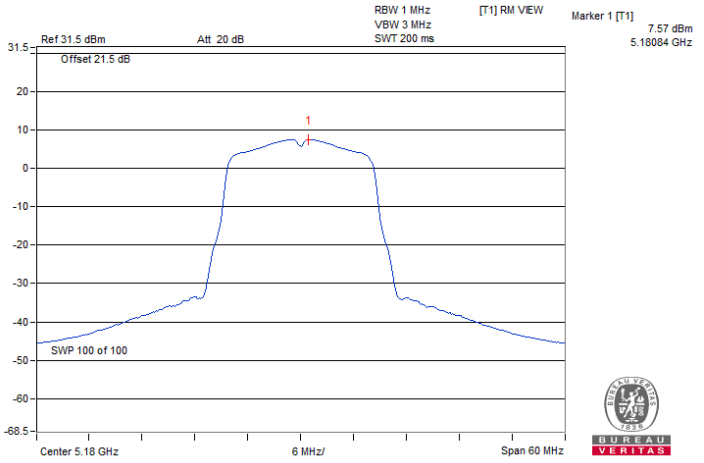
802.11ax (HE20) Master_CDD \ Chain1 : CH 48



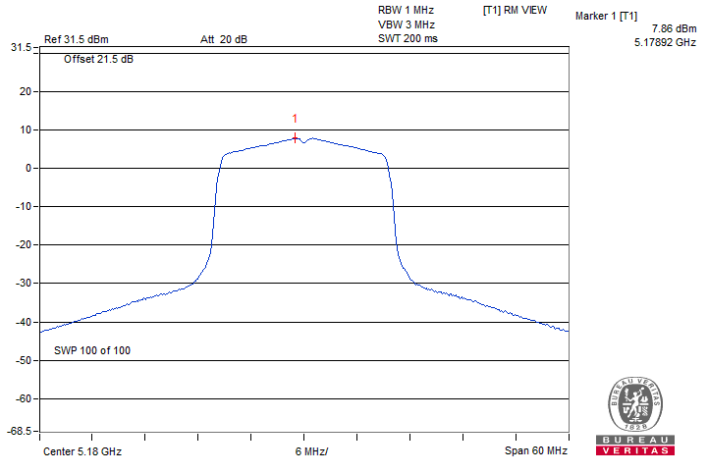
802.11ax (HE40) Master_CDD \ Chain0 : CH 46



802.11ax (HE80) Master_CDD \ Chain0 : CH 122

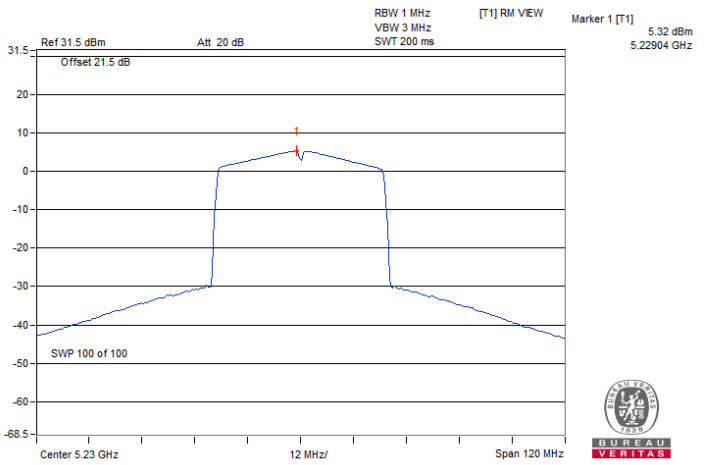


802.11a Client_CDD \ Chain1 : CH 36

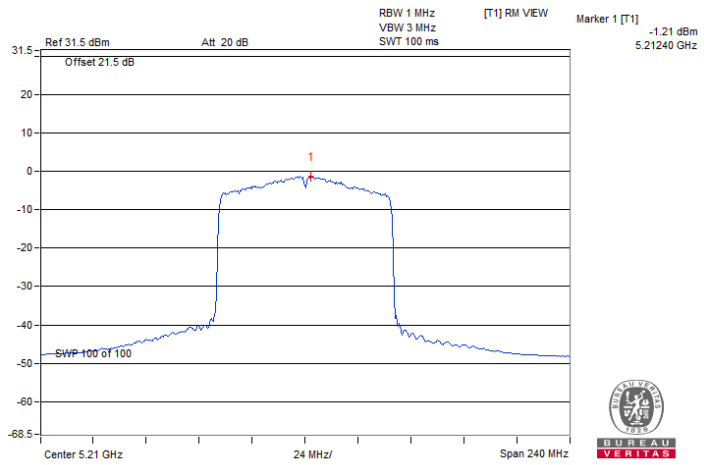


802.11ax (HE20) Client_CDD \ Chain1 : CH 36

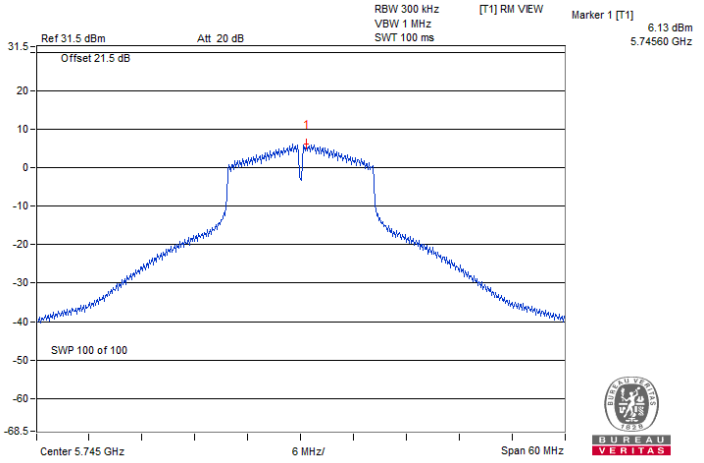
Spectrum Plot of Maximum Value



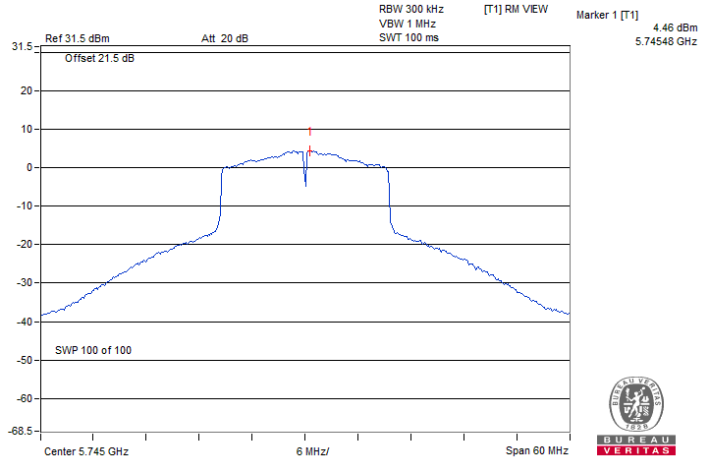
802.11ax (HE40) Client_CDD \ Chain1 : CH 46



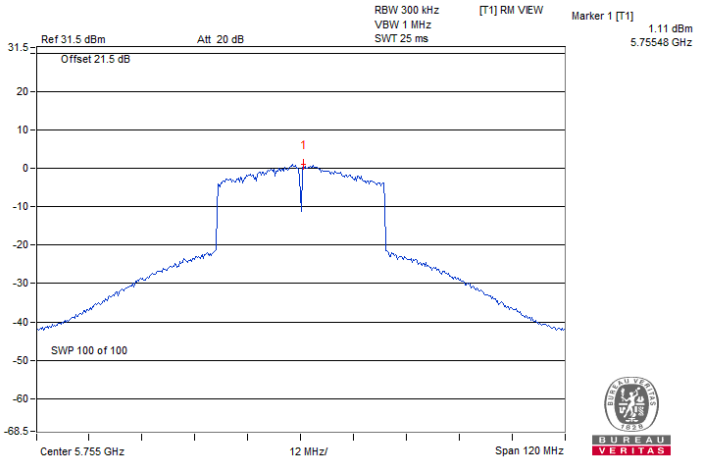
802.11ax (HE80) Client_CDD \ Chain1 : CH 42



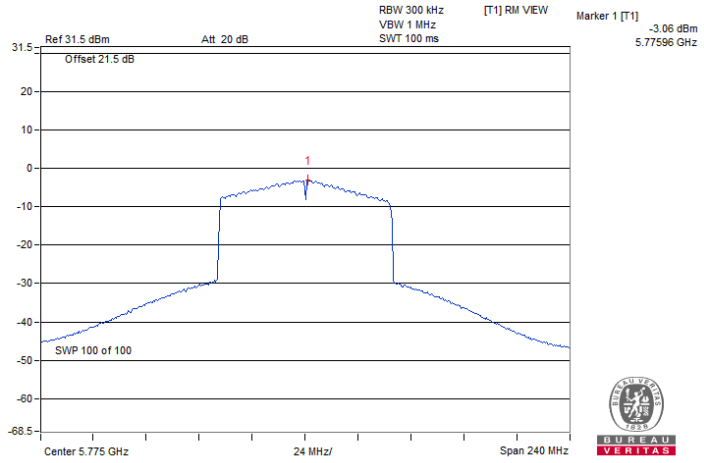
802.11a Master_CDD \ Chain1 : CH 149



802.11ax (HE20) Master_CDD \ Chain1 : CH 149



802.11ax (HE40) Master_CDD \ Chain1 : CH 151



802.11ax (HE80) Master_CDD \ Chain1 : CH 155

7.4 6dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.54	2.51	0.5	Pass
149	5745	15.14	13.86	0.5	Pass
157	5785	15.13	15.03	0.5	Pass
165	5825	15.15	15.16	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.61	3.6	0.5	Pass
149	5745	17.66	15.34	0.5	Pass
157	5785	16.88	17.37	0.5	Pass
165	5825	16.3	15.09	0.5	Pass

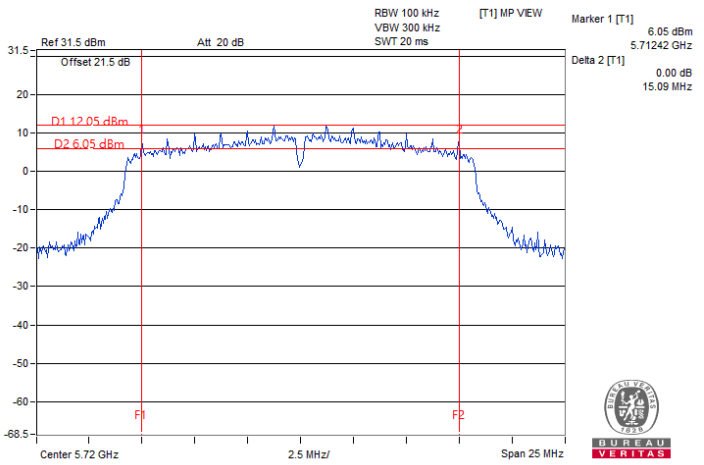
802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.63	2.58	0.5	Pass
151	5755	29.01	35.08	0.5	Pass
159	5795	35.17	35.13	0.5	Pass

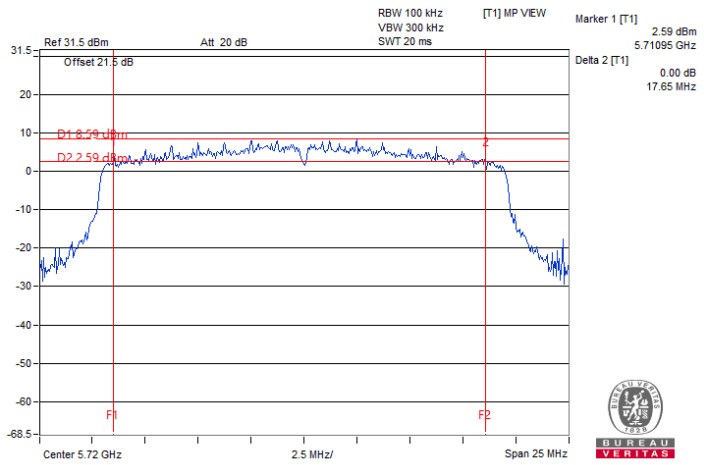
802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.65	2.65	0.5	Pass
155	5775	70.03	66.67	0.5	Pass

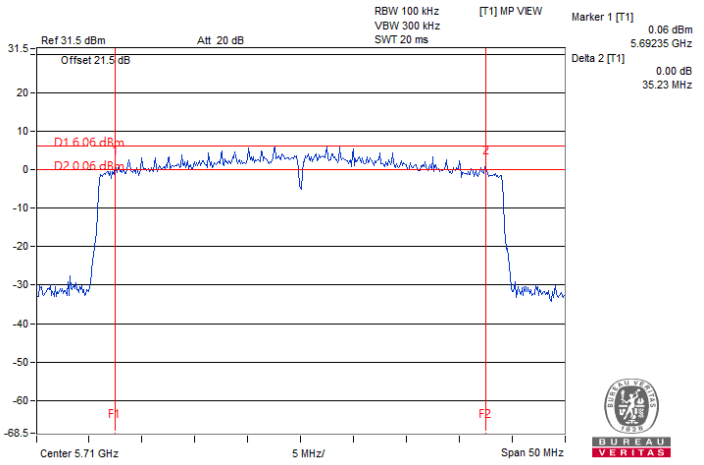
Spectrum Plot of Minimum Value



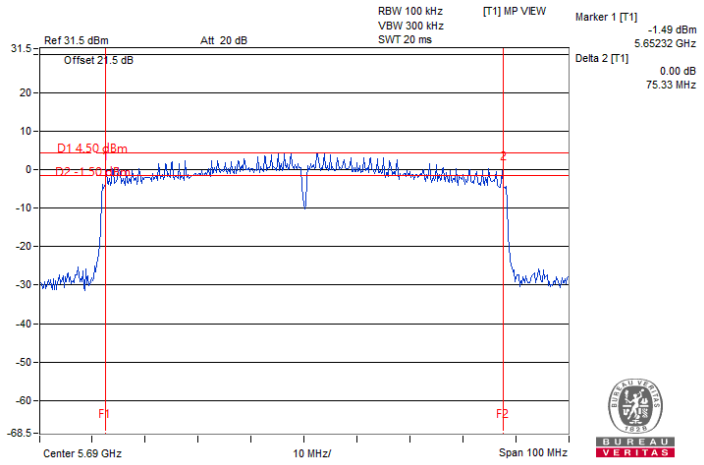
802.11a \ Chain1 : CH 144 (U-NII-3)



802.11ax (HE20) \ Chain1 : CH 144 (U-NII-3)



802.11ax (HE40) \ Chain1 : CH 142 (U-NII-3)



802.11ax (HE80) \ Chain0 : CH 138 (U-NII-3)

Notes:

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

7.5 Occupied Bandwidth

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

802.11a Master_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.8	16.8
40	5200	18.24	20.28
48	5240	18.48	18
52	5260	16.56	16.32
60	5300	16.44	16.44
64	5320	16.56	16.56
100	5500	16.44	16.44
116	5580	16.44	16.44
140	5700	16.44	16.56
144 (U-NII-2C)	5720	13.76	13.4
144 (U-NII-3)	5720	3.76	3.28
149	5745	23.64	19.44
157	5785	20.88	17.88
165	5825	17.52	18.72

802.11ax (HE20) Master_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.08	19.08
40	5200	19.56	21.36
48	5240	19.44	20.16
52	5260	18.96	18.84
60	5300	18.96	18.96
64	5320	18.96	18.96
100	5500	18.96	19.08
116	5580	18.96	18.96
140	5700	18.96	18.84
144 (U-NII-2C)	5720	15.08	14.48
144 (U-NII-3)	5720	4.84	4.36
149	5745	27	19.68
157	5785	22.56	19.32
165	5825	20.4	19.44

802.11ax (HE40) Master_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	38.64	38.88
54	5270	37.92	37.92
62	5310	37.92	38.16
102	5510	37.68	37.92
110	5550	37.68	37.68
134	5670	37.92	37.68
142 (U-NII-2C)	5710	34.44	34.2
142 (U-NII-3)	5710	4.2	3.72
151	5755	51.36	38.64
159	5795	41.52	38.4

802.11ax (HE80) Master_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.8	76.8
58	5290	76.8	76.8
106	5530	76.8	76.32
122	5610	76.8	76.32
138 (U-NII-2C)	5690	74.36	73.88
138 (U-NII-3)	5690	3.88	3.4
155	5775	78.24	77.28

802.11a Client_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.44
40	5200	16.44	16.44
48	5240	16.68	16.44

802.11ax (HE20) Client_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.08	18.84
40	5200	18.96	18.96
48	5240	18.84	18.84

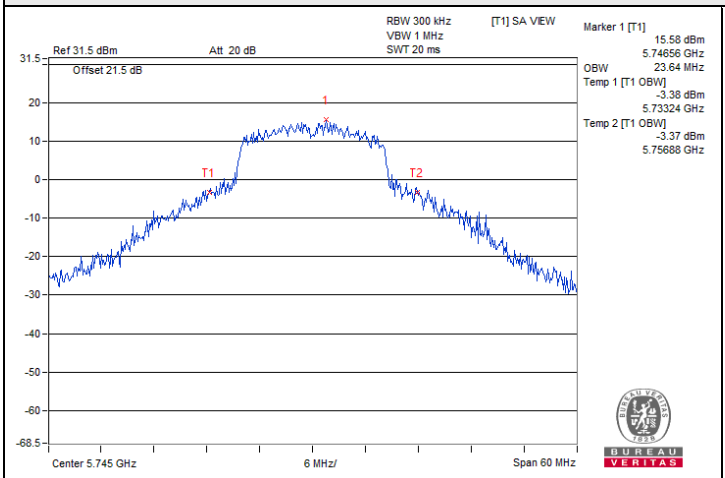
802.11ax (HE40) Client_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	38.64	37.68

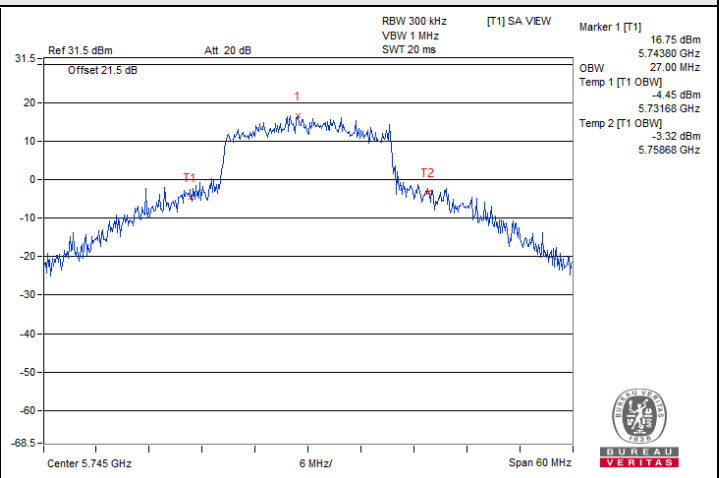
802.11ax (HE80) Client_CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.8	76.8

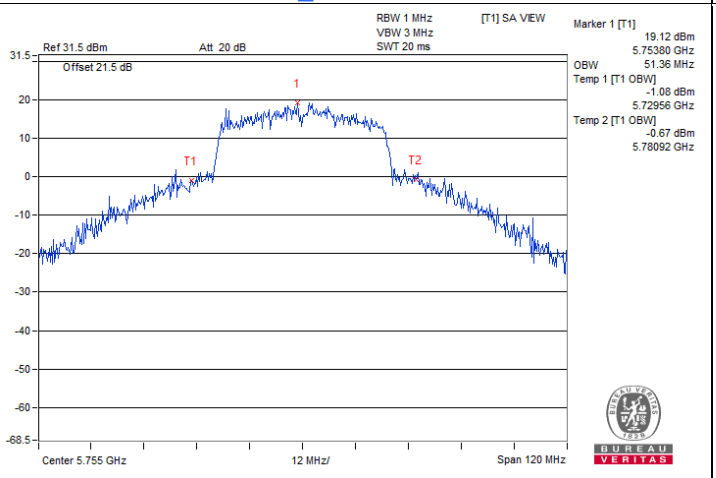
Spectrum Plot of Maximum Value



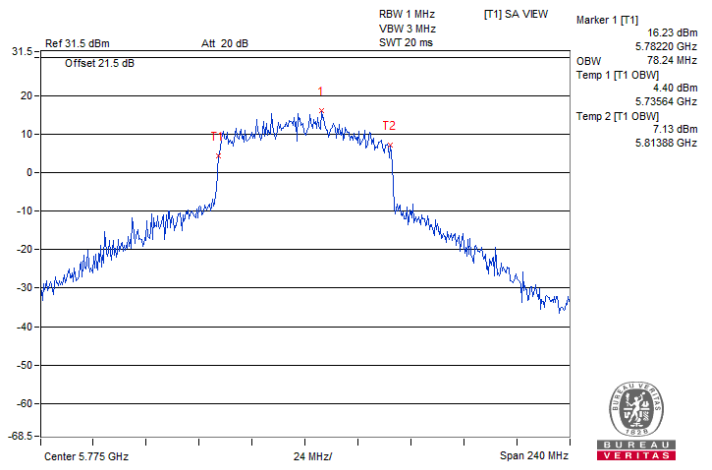
802.11a Master_CDD \ Chain0 : CH 149



802.11ax (HE20) Master_CDD \ Chain0 : CH 149

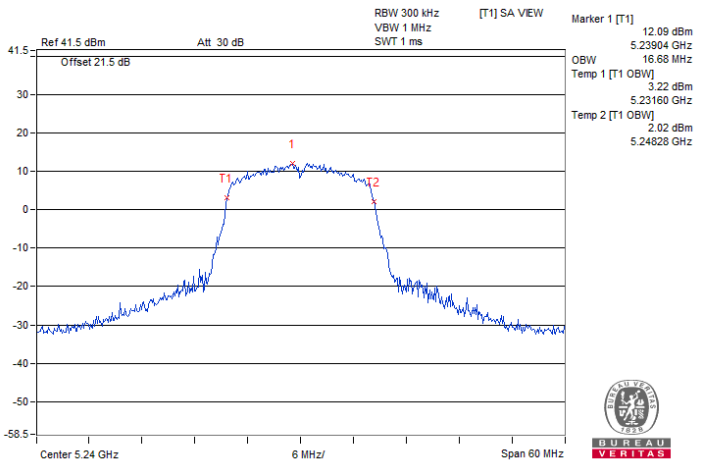


802.11ax (HE40) Master_CDD \ Chain0 : CH 151

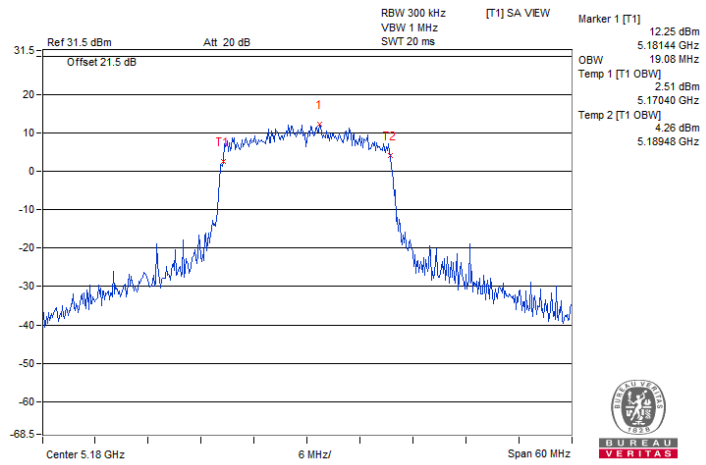


802.11ax (HE80) Master_CDD \ Chain0 : CH 155

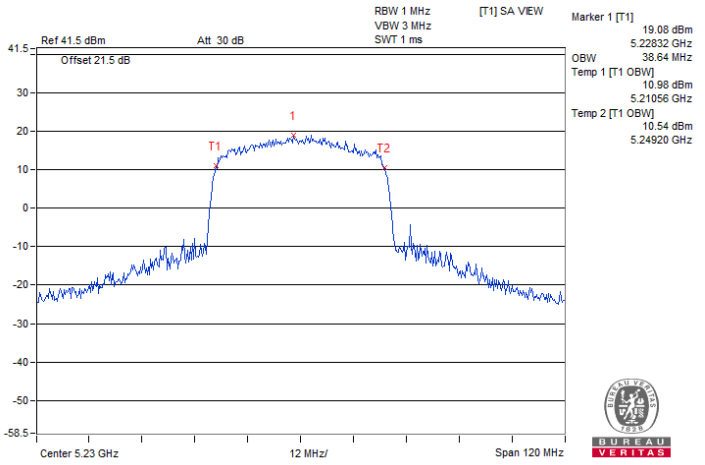
Spectrum Plot of Maximum Value



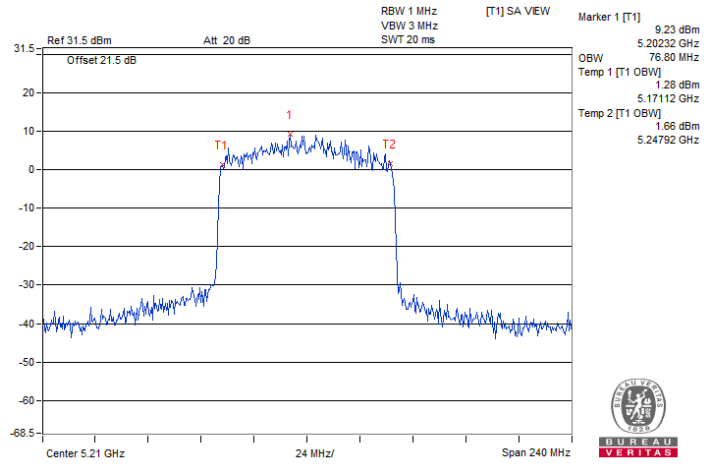
802.11a Client_CDD \ Chain0 : CH 48



802.11ax (HE20) Client_CDD \ Chain0 : CH 36



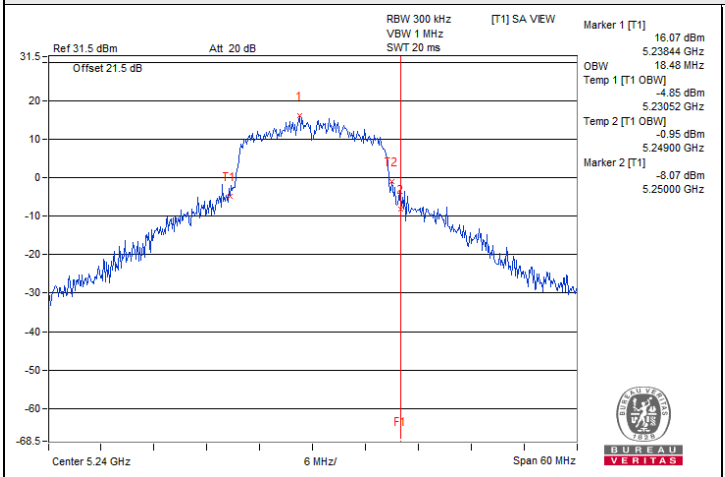
802.11ax (HE40) Client_CDD \ Chain0 : CH 46



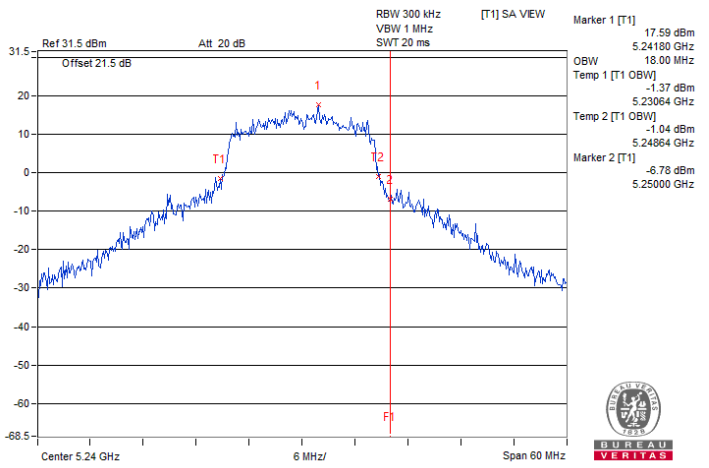
802.11ax (HE80) Client_CDD \ Chain0 : CH 42

Spectrum Plot for nearby DFS band

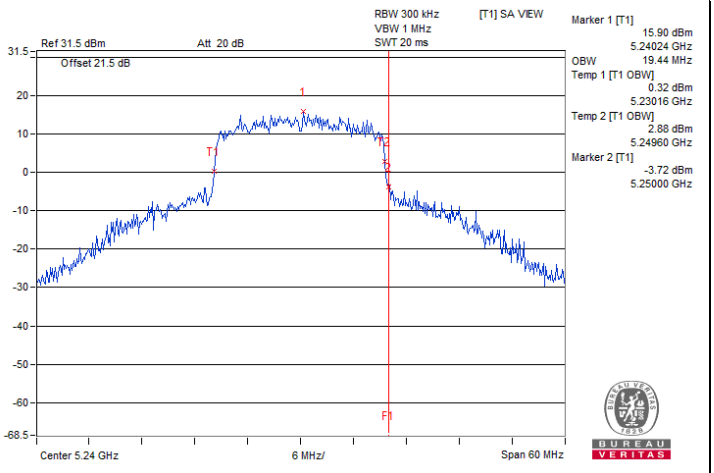
(DFS is required, if 99% OCP straddle into U-NII-2A band)



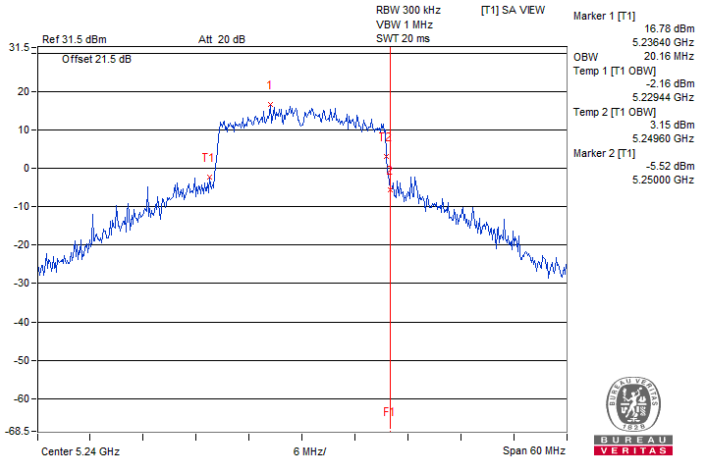
802.11a Master_CDD \ Chain 0 : CH 48



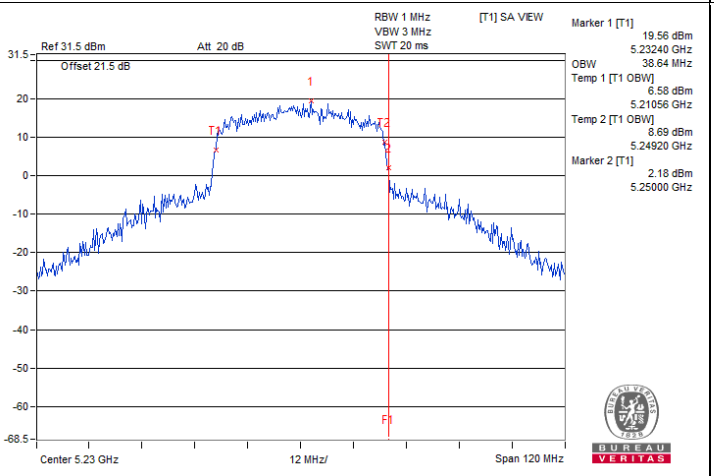
802.11a Master_CDD \ Chain 1 : CH 48



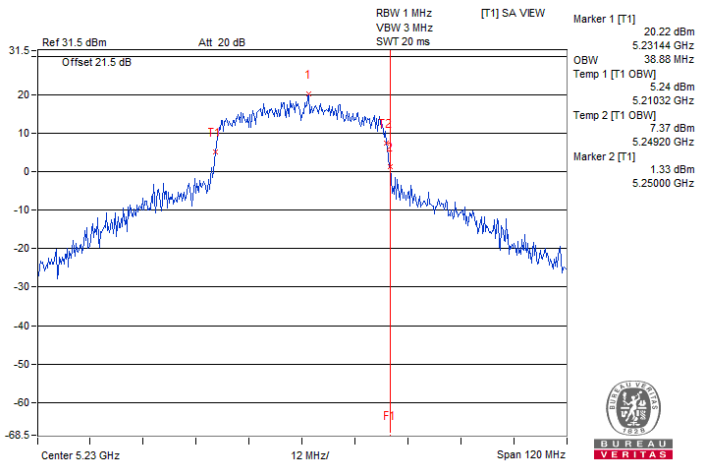
802.11ax (HE20) Master_CDD \ Chain 0 : CH 48



802.11ax (HE20) Master_CDD \ Chain 1 : CH 48



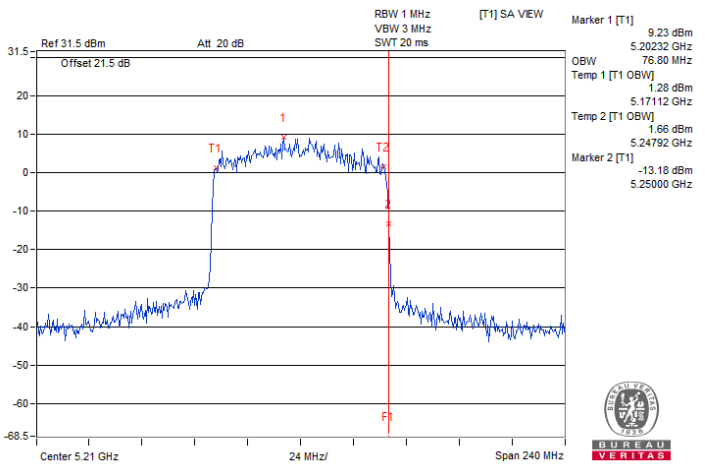
802.11ax (HE40) Master_CDD \ Chain 0 : CH 46



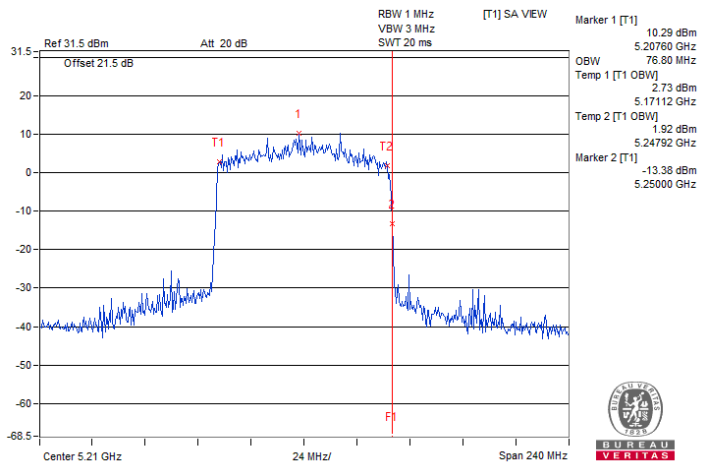
802.11ax (HE40) Master_CDD \ Chain 1 : CH 46

Spectrum Plot for nearby DFS band

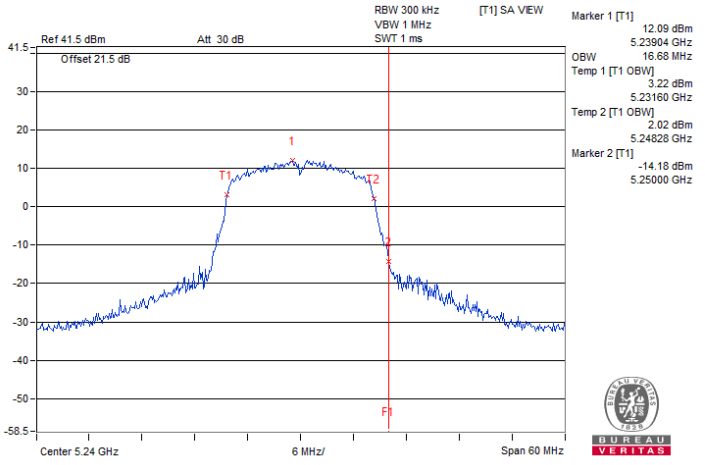
(DFS is required, if 99% OCP straddle into U-NII-2A band)



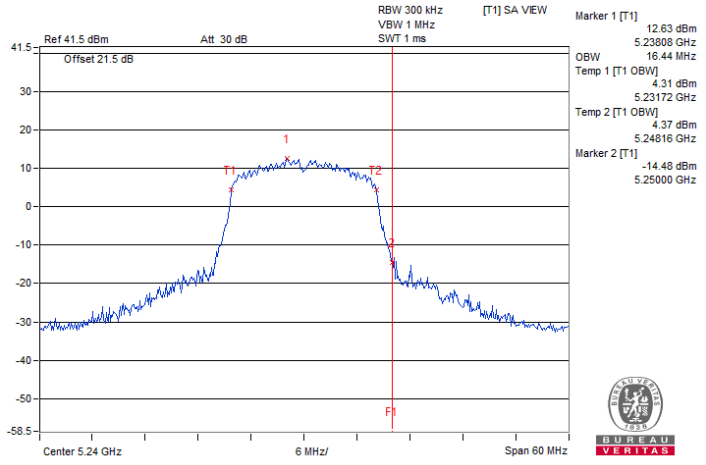
802.11ax (HE80) Master_CDD \ Chain 0 : CH 42



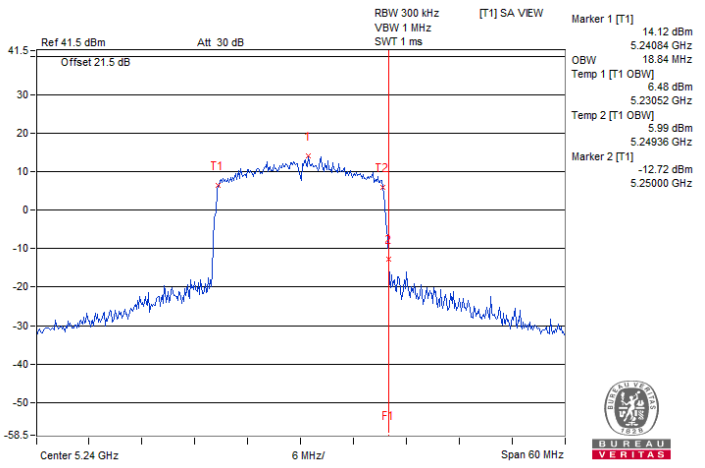
802.11ax (HE80) Master_CDD \ Chain 1 : CH 42



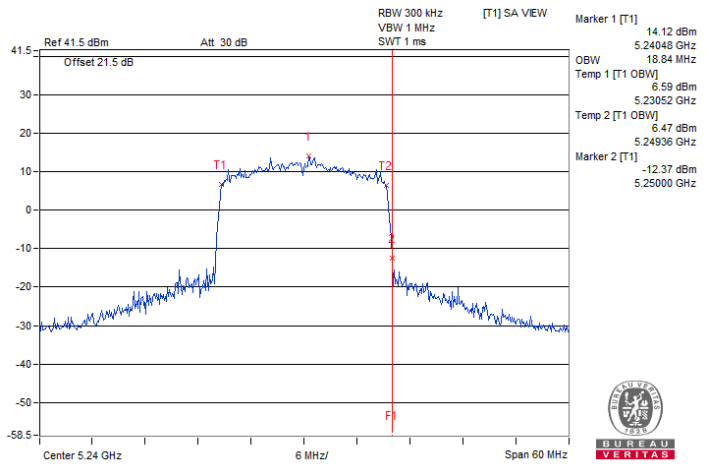
802.11a Client_CDD \ Chain 0 : CH 48



802.11a Client_CDD \ Chain 1 : CH 48



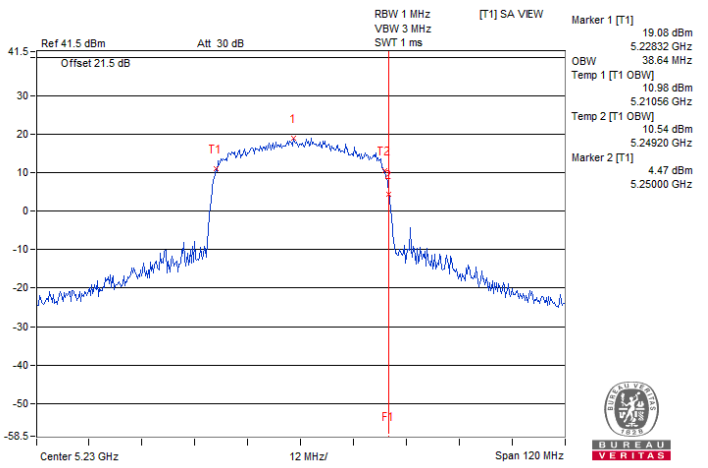
802.11ax (HE20) Client_CDD \ Chain 0 : CH 48



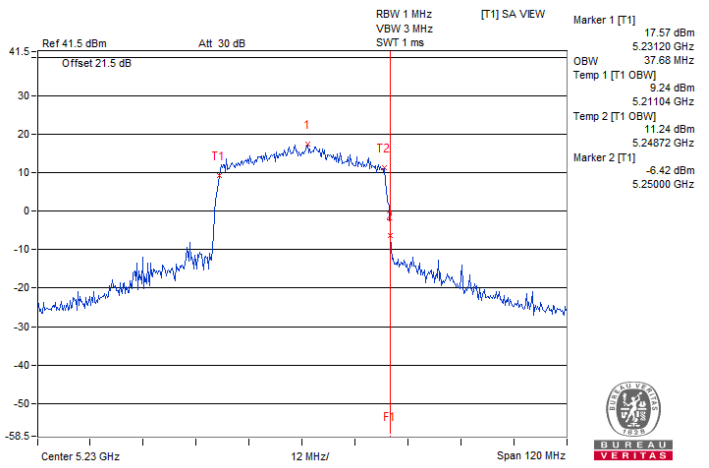
802.11ax (HE20) Client_CDD \ Chain 1 : CH 48

Spectrum Plot for nearby DFS band

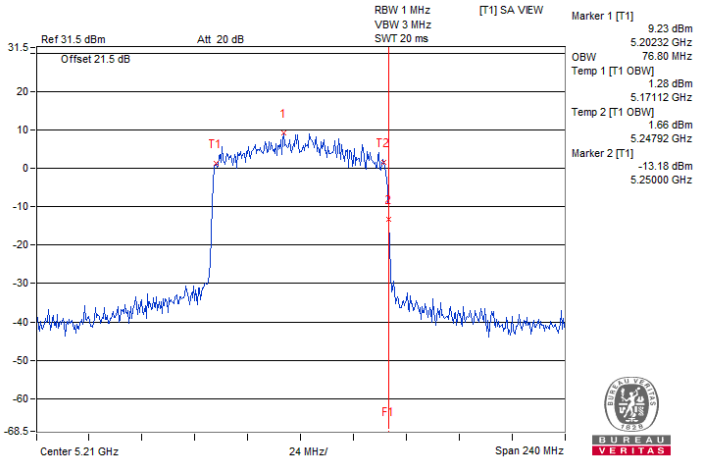
(DFS is required, if 99% OCP straddle into U-NII-2A band)



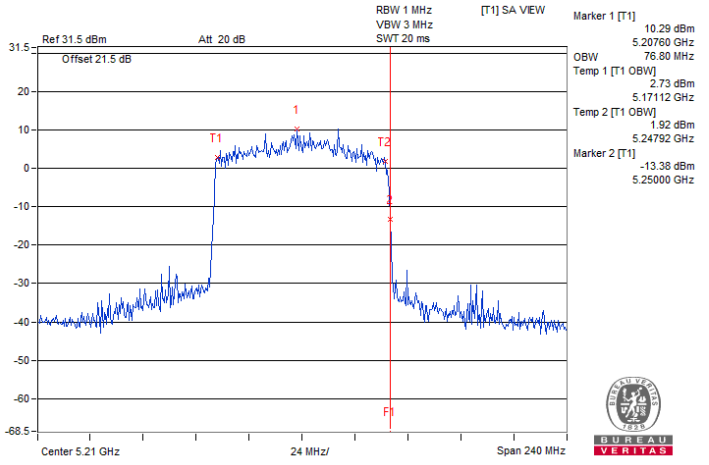
802.11ax (HE40) Client_CDD \ Chain 0 : CH 46



802.11ax (HE40) Client_CDD \ Chain 1 : CH 46



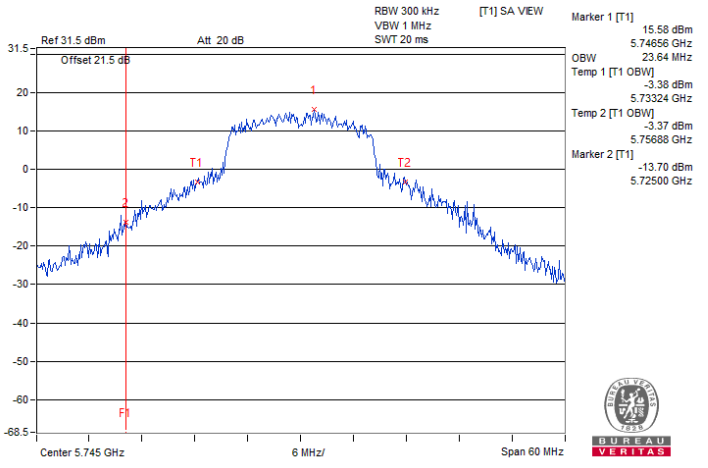
802.11ax (HE80) Client_CDD \ Chain 0 : CH 42



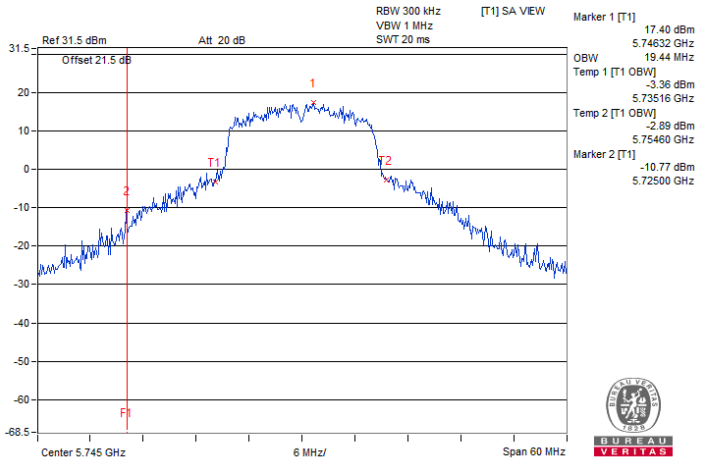
802.11ax (HE80) Client_CDD \ Chain 1 : CH 42

Spectrum Plot for nearby DFS band

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



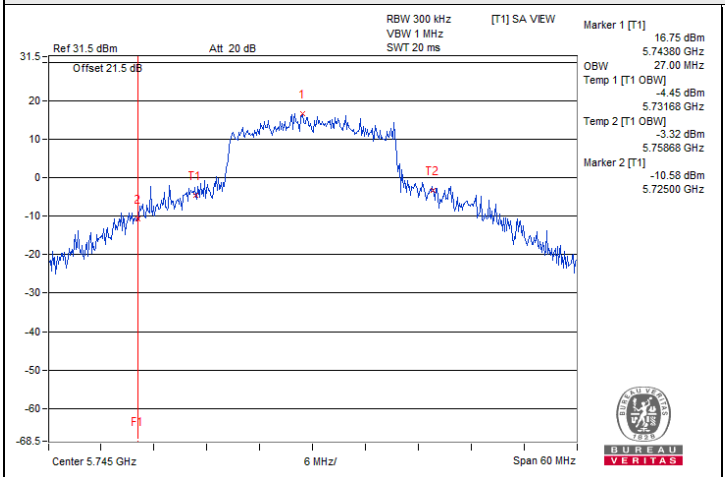
802.11a Master_CDD \ Chain 0 : CH 149



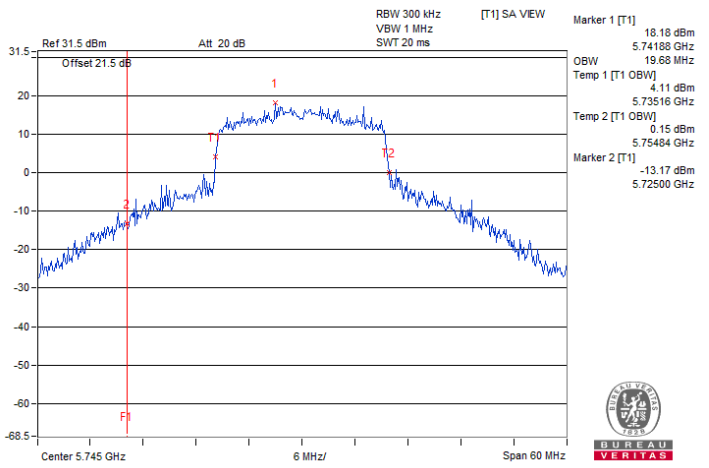
802.11a Master_CDD \ Chain 1 : CH 149

Spectrum Plot for nearby DFS band

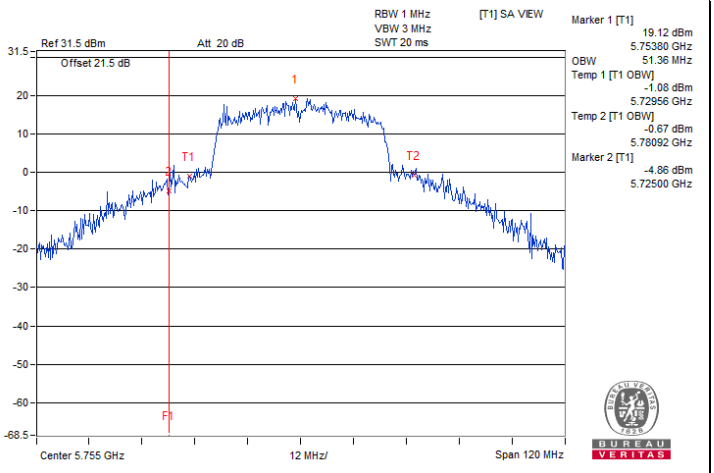
(DFS is required, if 99% OCP straddle into U-NII-2C band)



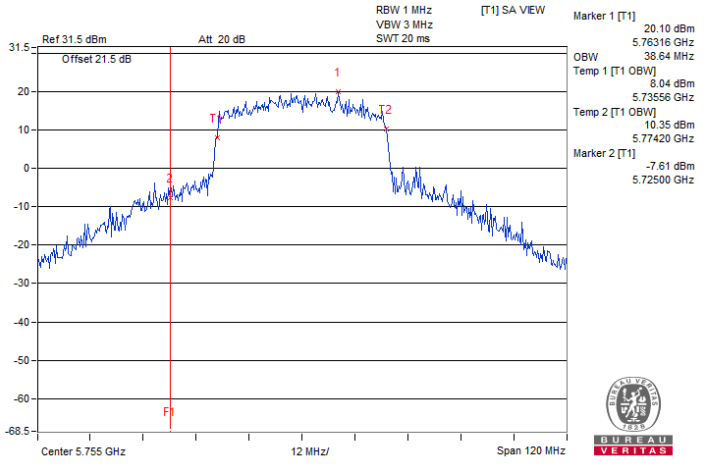
802.11ax (HE20) Master_CDD \ Chain 0 : CH 149



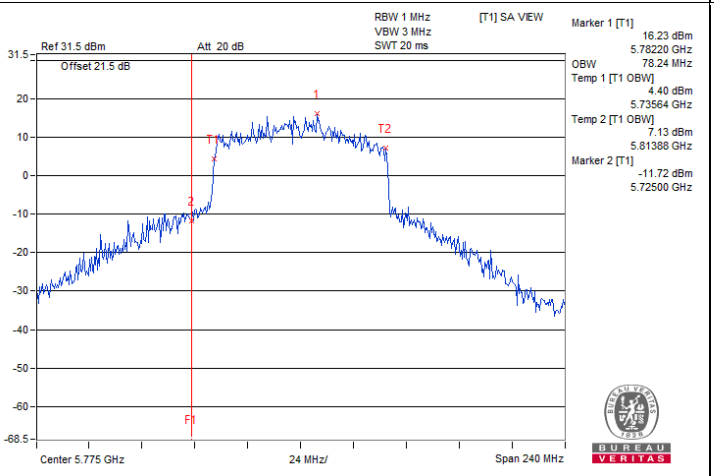
802.11ax (HE20) Master_CDD \ Chain 1 : CH 149



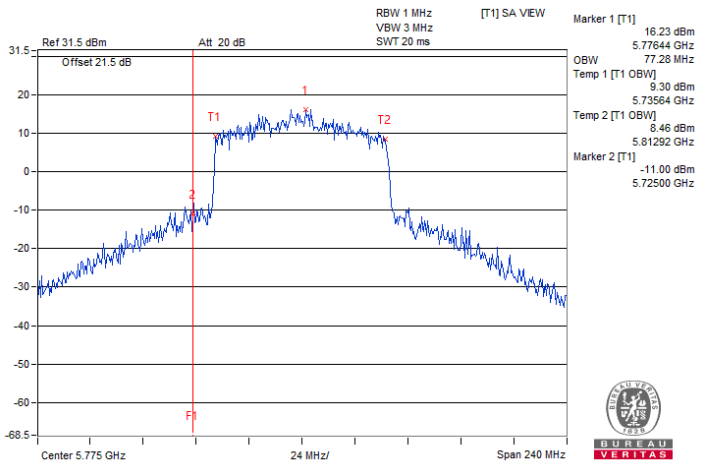
802.11ax (HE40) Master_CDD \ Chain 0 : CH 151



802.11ax (HE40) Master_CDD \ Chain 1 : CH 151



802.11ax (HE80) Master_CDD \ Chain 0 : CH 155



802.11ax (HE80) Master_CDD \ Chain 1 : CH 155

7.6 Frequency Stability

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

802.11a

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
TEMP. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
49	120	5180.0115	Pass	5180.0113	Pass	5180.0089	Pass	5180.0128	Pass
40	120	5179.9951	Pass	5179.9936	Pass	5179.9951	Pass	5179.9947	Pass
30	120	5180.0106	Pass	5180.0098	Pass	5180.0121	Pass	5180.0118	Pass
20	120	5179.9935	Pass	5179.9936	Pass	5179.9931	Pass	5179.9975	Pass
10	120	5179.9934	Pass	5179.99	Pass	5179.993	Pass	5179.994	Pass
0	120	5179.9958	Pass	5179.9948	Pass	5179.9952	Pass	5179.9912	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9869	Pass	5179.9845	Pass	5179.985	Pass	5179.9885	Pass
	120	5179.9935	Pass	5179.9936	Pass	5179.9931	Pass	5179.9975	Pass
	102	5179.9868	Pass	5179.9874	Pass	5179.9861	Pass	5179.9854	Pass

7.7 AC Power Conducted Emissions

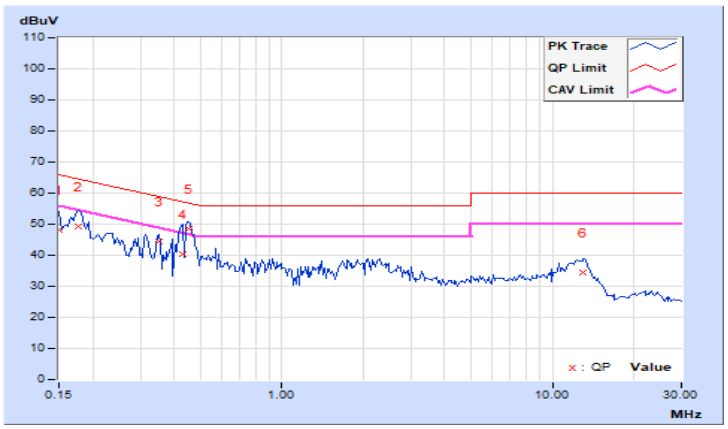
WLAN(5G high)

RF Mode	TX 802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 Mz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 66 % RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	10.07	37.91	24.77	47.98	34.84	66.00	56.00	-18.02	-21.16
2	0.17734	10.08	39.12	26.82	49.20	36.90	64.61	54.61	-15.41	-17.71
3	0.34922	10.10	34.25	29.46	44.35	39.56	58.98	48.98	-14.63	-9.42
4	0.43125	10.11	30.32	17.99	40.43	28.10	57.23	47.23	-16.80	-19.13
5	**0.45078**	**10.11**	**38.50**	**32.07**	**48.61**	**42.18**	**56.86**	**46.86**	**-8.25**	**-4.68**
6	13.03906	11.02	23.24	16.76	34.26	27.78	60.00	50.00	-25.74	-22.22

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

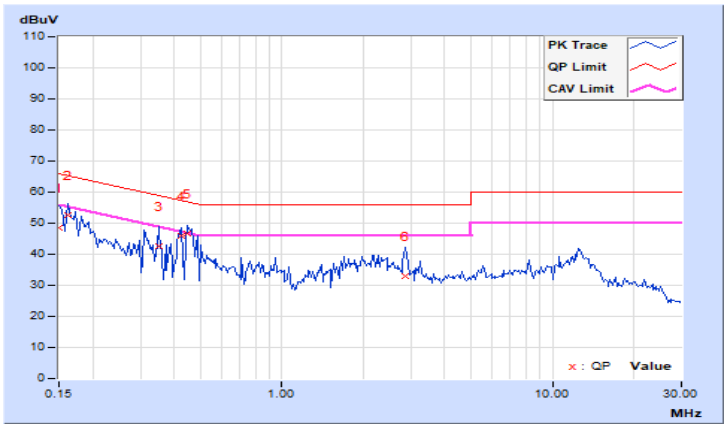


RF Mode	TX 802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 Mz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 66 % RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	10.05	38.59	20.66	48.64	30.71	66.00	56.00	-17.36	-25.29
2	0.16172	10.06	42.47	23.29	52.53	33.35	65.38	55.38	-12.85	-22.03
3	0.34922	10.09	32.61	25.99	42.70	36.08	58.98	48.98	-16.28	-12.90
4	0.42344	10.10	35.84	28.55	45.94	38.65	57.38	47.38	-11.44	-8.73
5	0.44688	10.10	36.59	28.58	46.69	38.68	56.93	46.93	-10.24	-8.25
6	2.86719	10.27	22.87	15.55	33.14	25.82	56.00	46.00	-22.86	-20.18

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



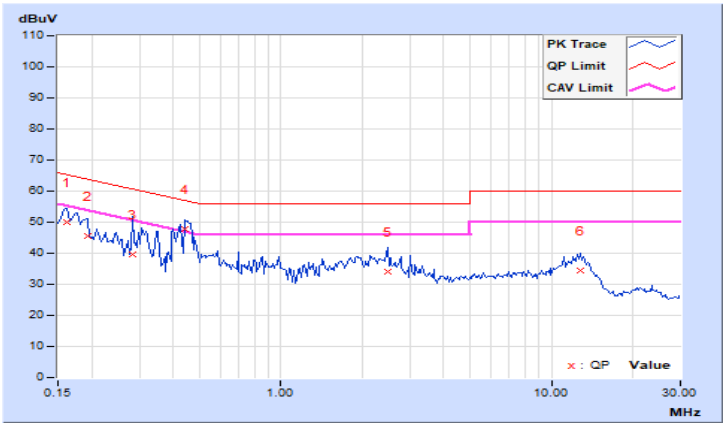
WLAN(5G low)

RF Mode	TX 802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	150 kHz ~ 30 Mz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 66 % RH
Tested By	Sampson Chen		

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	0.16172	10.07	39.97	27.16	50.04	37.23	65.38	55.38	-15.34	-18.15
2	0.19297	10.08	35.65	24.61	45.73	34.69	63.91	53.91	-18.18	-19.22
3	0.28281	10.09	29.67	20.82	39.76	30.91	60.73	50.73	-20.97	-19.82
4	0.44297	10.11	37.69	26.00	47.80	36.11	57.01	47.01	-9.21	-10.90
5	2.47656	10.24	23.68	17.40	33.92	27.64	56.00	46.00	-22.08	-18.36
6	12.80469	11.00	23.35	17.11	34.35	28.11	60.00	50.00	-25.65	-21.89

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

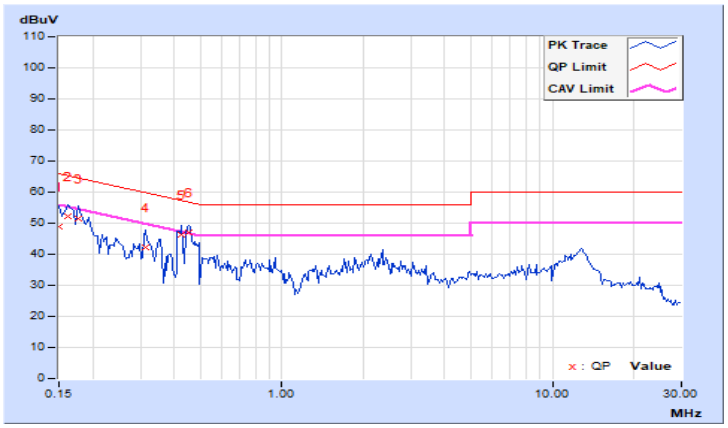


RF Mode	TX 802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	150 kHz ~ 30 Mz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 66 % RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	10.05	39.01	21.23	49.06	31.28	66.00	56.00	-16.94	-24.72
2	0.16172	10.06	42.18	23.13	52.24	33.19	65.38	55.38	-13.14	-22.19
3	0.17734	10.07	41.52	22.36	51.59	32.43	64.61	54.61	-13.02	-22.18
4	0.31406	10.09	32.22	23.71	42.31	33.80	59.86	49.86	-17.55	-16.06
5	0.42734	10.10	36.09	24.92	46.19	35.02	57.30	47.30	-11.11	-12.28
6	0.45078	10.10	36.89	30.66	46.99	40.76	56.86	46.86	-9.87	-6.10

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

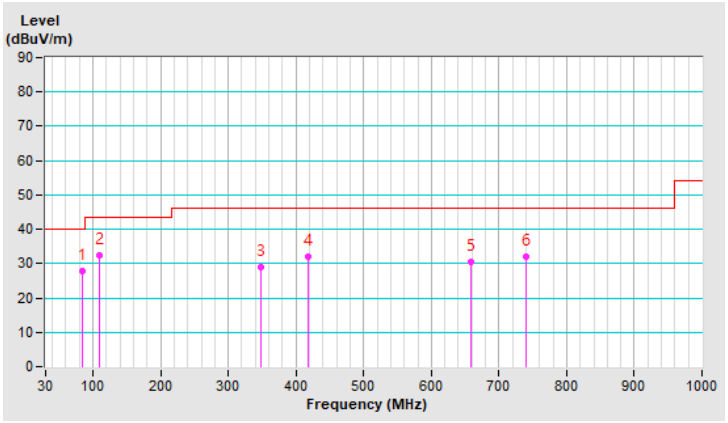
WLAN(5G high)

RF Mode	TX 802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	83.93	27.7 QP	40.0	-12.3	2.00 H	286	41.2	-13.5
2	109.97	32.5 QP	43.5	-11.0	2.00 H	241	43.2	-10.7
3	348.40	29.0 QP	46.0	-17.0	1.00 H	325	34.2	-5.2
4	417.20	32.0 QP	46.0	-14.0	1.00 H	312	35.2	-3.2
5	659.00	30.4 QP	46.0	-15.6	1.00 H	168	28.0	2.4
6	739.89	32.0 QP	46.0	-14.0	3.00 H	296	27.6	4.4

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 of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

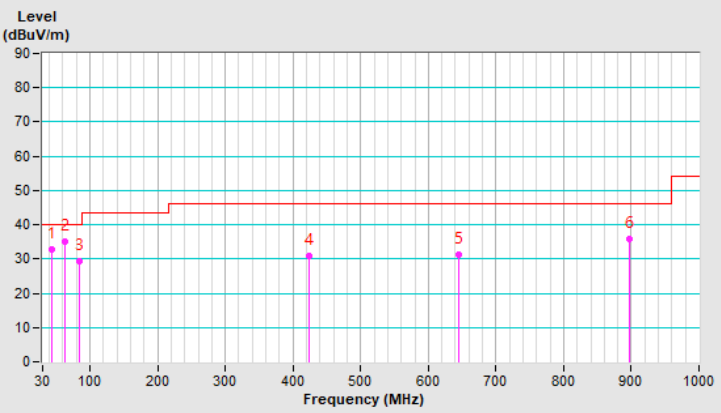


RF Mode	TX 802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	42.88	32.9 QP	40.0	-7.1	1.00 V	312	41.0	-8.1
2	62.55	35.1 QP	40.0	-4.9	1.00 V	335	44.1	-9.0
3	84.25	29.5 QP	40.0	-10.5	2.00 V	0	43.1	-13.6
4	423.29	30.7 QP	46.0	-15.3	1.00 V	219	33.5	-2.8
5	644.37	31.1 QP	46.0	-14.9	3.00 V	360	28.8	2.3
6	896.62	35.7 QP	46.0	-10.3	1.50 V	133	29.0	6.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



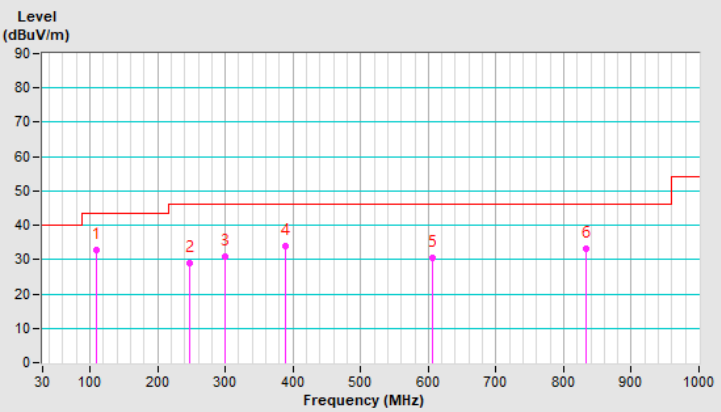
WLAN(5G low)

RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	110.09	32.8 QP	43.5	-10.7	2.00 H	237	43.4	-10.6
2	247.57	28.9 QP	46.0	-17.1	1.00 H	243	37.6	-8.7
3	299.58	30.8 QP	46.0	-15.2	1.50 H	140	37.4	-6.6
4	389.77	33.8 QP	46.0	-12.2	1.00 H	317	37.8	-4.0
5	605.78	30.5 QP	46.0	-15.5	2.00 H	111	28.7	1.8
6	833.17	33.2 QP	46.0	-12.8	3.00 H	101	27.5	5.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

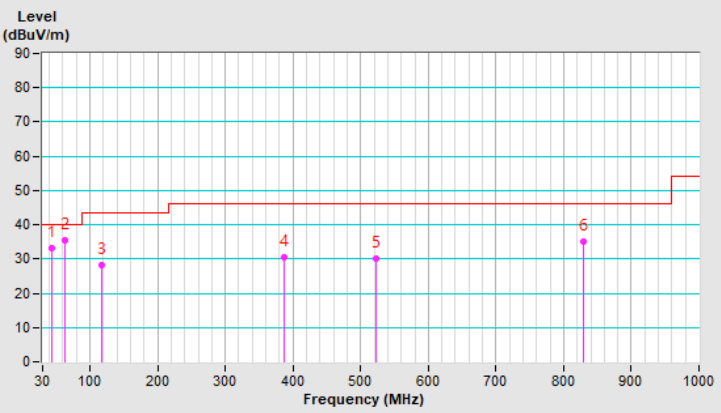


RF Mode	TX 802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 69 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	42.67	33.2 QP	40.0	-6.8	1.00 V	347	41.3	-8.1
2	**63.93**	**35.6 QP**	**40.0**	**-4.4**	**1.00 V**	**347**	**44.7**	**-9.1**
3	118.08	28.2 QP	43.5	-15.3	1.00 V	280	37.9	-9.7
4	386.14	30.6 QP	46.0	-15.4	1.50 V	82	34.7	-4.1
5	522.03	30.0 QP	46.0	-16.0	1.00 V	216	30.3	-0.3
6	828.89	34.9 QP	46.0	-11.1	3.00 V	360	29.3	5.6

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 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



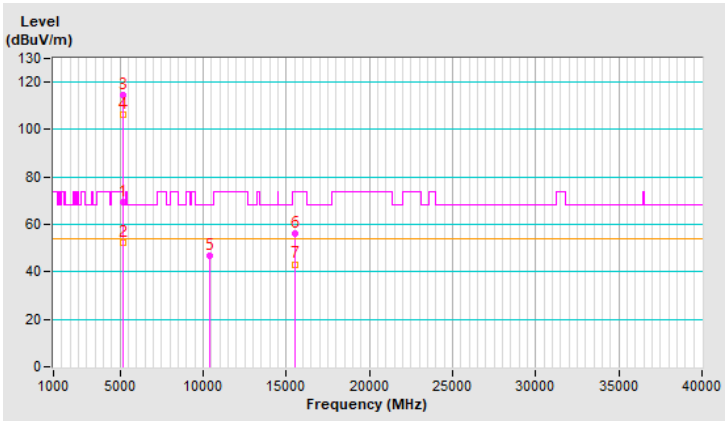
7.9 Unwanted Emissions above 1 GHz

RF Mode	TX 802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	69.3 PK	74.0	-4.7	1.50 H	202	64.7	4.6
2	5150.00	52.1 AV	54.0	-1.9	1.50 H	202	47.5	4.6
3	*5180.00	114.8 PK			1.50 H	202	110.3	4.5
4	*5180.00	106.1 AV			1.50 H	202	101.6	4.5
5	#10360.00	46.6 PK	68.2	-21.6	1.53 H	132	33.0	13.6
6	15540.00	56.3 PK	74.0	-17.7	1.50 H	43	42.2	14.1
7	15540.00	43.2 AV	54.0	-10.8	1.50 H	43	29.1	14.1

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.
6. " # ": The radiated frequency is out of the restricted band.

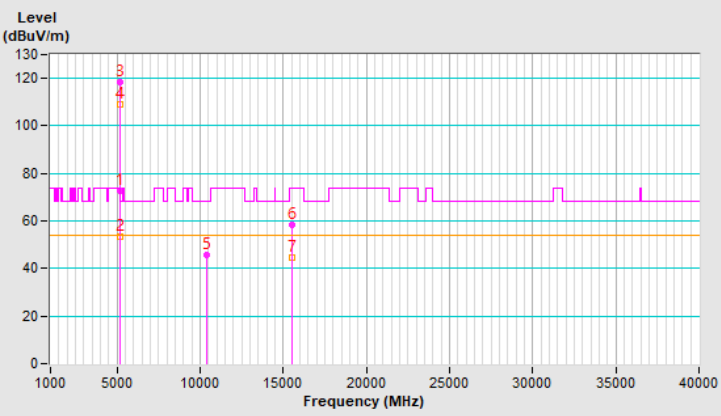


RF Mode	TX 802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	72.6 PK	74.0	-1.4	2.80 V	185	68.0	4.6
2	5150.00	53.4 AV	54.0	-0.6	2.80 V	185	48.8	4.6
3	*5180.00	118.2 PK			2.80 V	185	113.7	4.5
4	*5180.00	109.1 AV			2.80 V	185	104.6	4.5
5	#10360.00	45.5 PK	68.2	-22.7	1.57 V	73	31.9	13.6
6	15540.00	58.3 PK	74.0	-15.7	1.66 V	79	44.2	14.1
7	15540.00	44.7 AV	54.0	-9.3	1.66 V	79	30.6	14.1

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.
6. " # ": The radiated frequency is out of the restricted band.

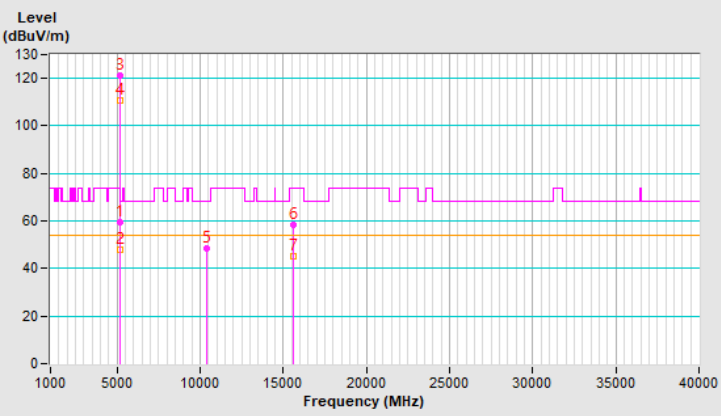


RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	3.72 H	180	54.7	4.6
2	5150.00	47.7 AV	54.0	-6.3	3.72 H	180	43.1	4.6
3	*5200.00	121.4 PK			3.72 H	180	117.0	4.4
4	*5200.00	110.9 AV			3.72 H	180	106.5	4.4
5	#10400.00	48.2 PK	68.2	-20.0	1.50 H	138	34.5	13.7
6	15600.00	58.2 PK	74.0	-15.8	1.46 H	36	44.2	14.0
7	15600.00	45.4 AV	54.0	-8.6	1.46 H	36	31.4	14.0

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.
6. " # ": The radiated frequency is out of the restricted band.

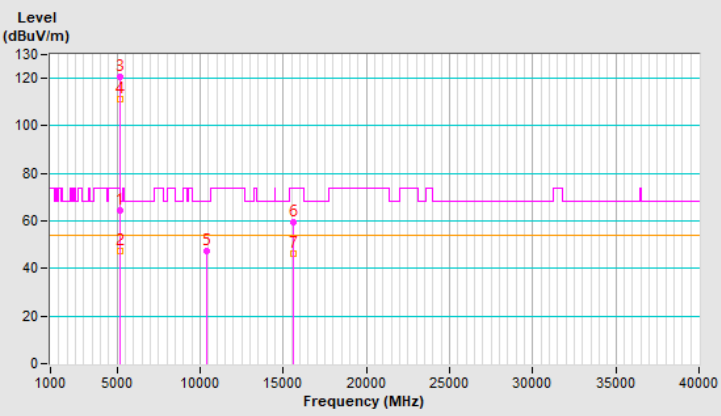


RF Mode	TX 802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	2.78 V	183	60.0	4.6
2	5150.00	47.2 AV	54.0	-6.8	2.78 V	183	42.6	4.6
3	*5200.00	120.7 PK			2.78 V	183	116.3	4.4
4	*5200.00	111.5 AV			2.78 V	183	107.1	4.4
5	#10400.00	47.6 PK	68.2	-20.6	1.60 V	60	33.9	13.7
6	15600.00	59.6 PK	74.0	-14.4	1.62 V	91	45.6	14.0
7	15600.00	46.3 AV	54.0	-7.7	1.62 V	91	32.3	14.0

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.
6. " # ": The radiated frequency is out of the restricted band.

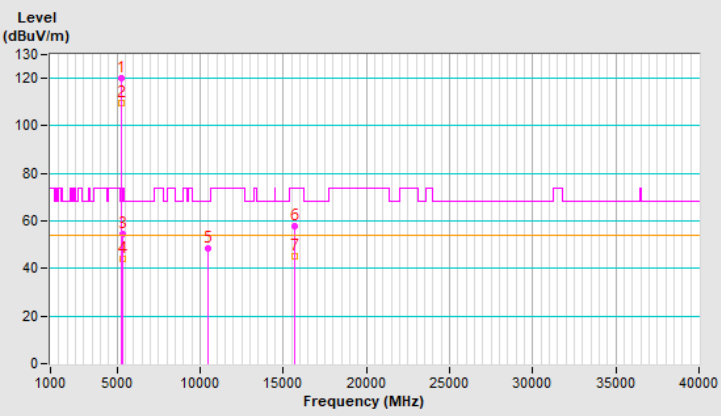


RF Mode	TX 802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.9 PK			2.74 H	163	115.8	4.1
2	*5240.00	109.5 AV			2.74 H	163	105.4	4.1
3	5350.00	54.7 PK	74.0	-19.3	2.74 H	163	50.4	4.3
4	5350.00	44.2 AV	54.0	-9.8	2.74 H	163	39.9	4.3
5	#10480.00	48.4 PK	68.2	-19.8	1.54 H	133	34.6	13.8
6	15720.00	58.0 PK	74.0	-16.0	1.50 H	35	44.3	13.7
7	15720.00	45.3 AV	54.0	-8.7	1.50 H	35	31.6	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

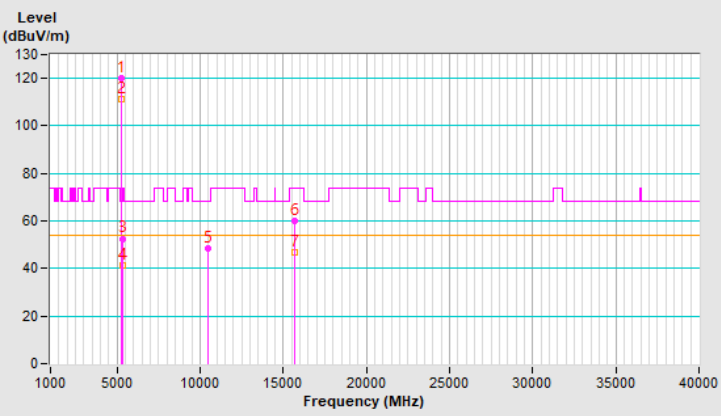


RF Mode	TX 802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	120.3 PK			2.84 V	179	116.2	4.1
2	*5240.00	111.3 AV			2.84 V	179	107.2	4.1
3	5350.00	52.6 PK	74.0	-21.4	2.84 V	179	48.3	4.3
4	5350.00	41.4 AV	54.0	-12.6	2.84 V	179	37.1	4.3
5	#10480.00	48.2 PK	68.2	-20.0	1.55 V	75	34.4	13.8
6	15720.00	59.9 PK	74.0	-14.1	1.58 V	107	46.2	13.7
7	15720.00	46.8 AV	54.0	-7.2	1.58 V	107	33.1	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

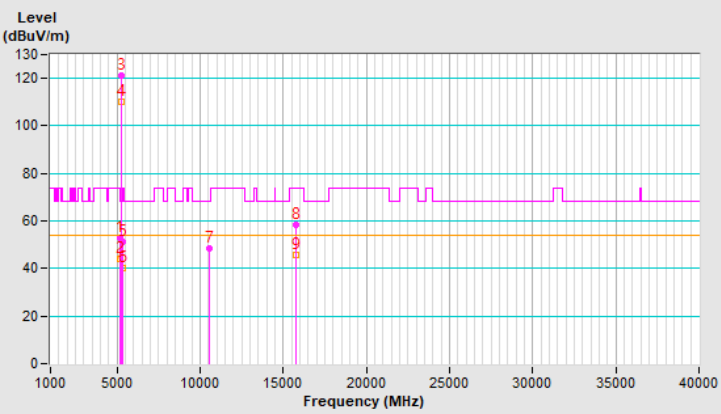


RF Mode	TX 802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.7 PK	74.0	-21.3	2.71 H	162	48.1	4.6
2	5150.00	44.2 AV	54.0	-9.8	2.71 H	162	39.6	4.6
3	*5260.00	121.3 PK			2.71 H	162	117.2	4.1
4	*5260.00	110.4 AV			2.71 H	162	106.3	4.1
5	5350.00	51.0 PK	74.0	-23.0	2.71 H	162	46.7	4.3
6	5350.00	40.3 AV	54.0	-13.7	2.71 H	162	36.0	4.3
7	#10520.00	48.6 PK	68.2	-19.6	1.55 H	121	34.7	13.9
8	15780.00	58.4 PK	74.0	-15.6	1.51 H	42	44.7	13.7
9	15780.00	45.6 AV	54.0	-8.4	1.51 H	42	31.9	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

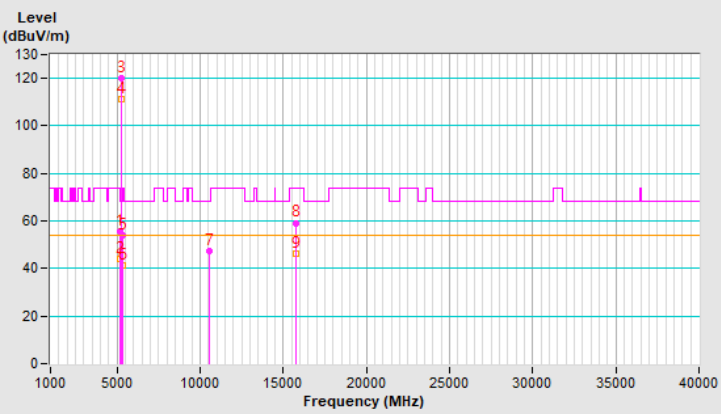


RF Mode	TX 802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.4 PK	74.0	-18.6	2.66 V	171	50.8	4.6
2	5150.00	44.2 AV	54.0	-9.8	2.66 V	171	39.6	4.6
3	*5260.00	120.1 PK			2.66 V	171	116.0	4.1
4	*5260.00	111.2 AV			2.66 V	171	107.1	4.1
5	5350.00	53.9 PK	74.0	-20.1	2.66 V	171	49.6	4.3
6	5350.00	41.2 AV	54.0	-12.8	2.66 V	171	36.9	4.3
7	#10520.00	47.6 PK	68.2	-20.6	1.54 V	62	33.7	13.9
8	15780.00	59.2 PK	74.0	-14.8	1.58 V	110	45.5	13.7
9	15780.00	46.3 AV	54.0	-7.7	1.58 V	110	32.6	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

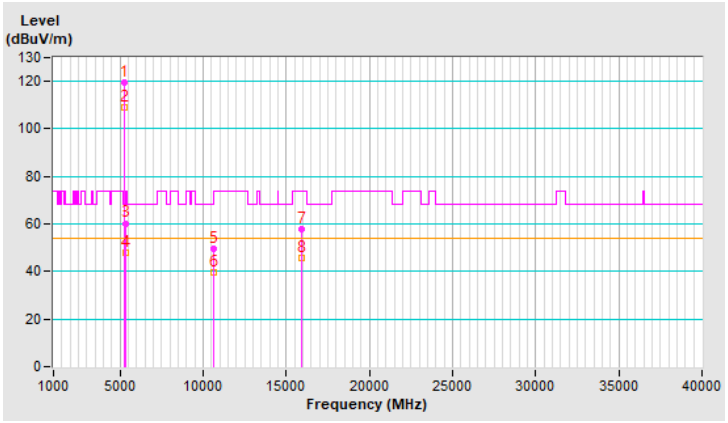


RF Mode	TX 802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	119.6 PK			2.83 H	164	115.6	4.0
2	*5300.00	109.3 AV			2.83 H	164	105.3	4.0
3	5350.00	60.3 PK	74.0	-13.7	2.83 H	164	56.0	4.3
4	5350.00	48.1 AV	54.0	-5.9	2.83 H	164	43.8	4.3
5	10600.00	49.6 PK	74.0	-24.4	1.51 H	140	35.9	13.7
6	10600.00	39.8 AV	54.0	-14.2	1.51 H	140	26.1	13.7
7	15900.00	57.8 PK	74.0	-16.2	2.99 H	146	44.1	13.7
8	15900.00	45.5 AV	54.0	-8.5	2.99 H	146	31.8	13.7

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.

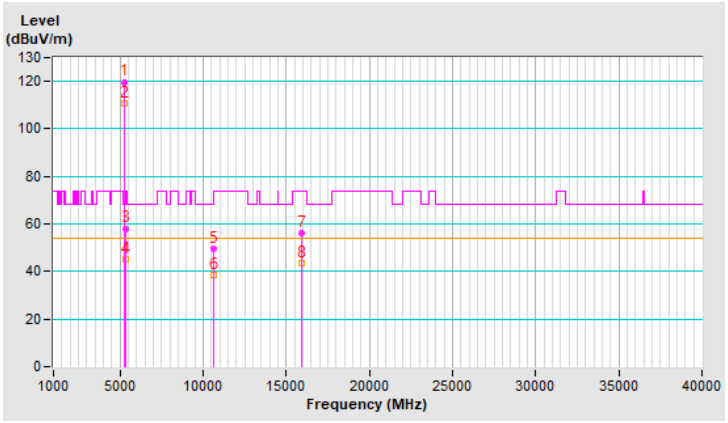


RF Mode	TX 802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.8 PK			2.69 V	176	115.8	4.0
2	*5300.00	110.7 AV			2.69 V	176	106.7	4.0
3	5350.00	58.1 PK	74.0	-15.9	2.69 V	176	53.8	4.3
4	5350.00	45.1 AV	54.0	-8.9	2.69 V	176	40.8	4.3
5	10600.00	49.4 PK	74.0	-24.6	1.57 V	68	35.7	13.7
6	10600.00	38.4 AV	54.0	-15.6	1.57 V	68	24.7	13.7
7	15900.00	56.4 PK	74.0	-17.6	1.39 V	43	42.7	13.7
8	15900.00	43.7 AV	54.0	-10.3	1.39 V	43	30.0	13.7

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.

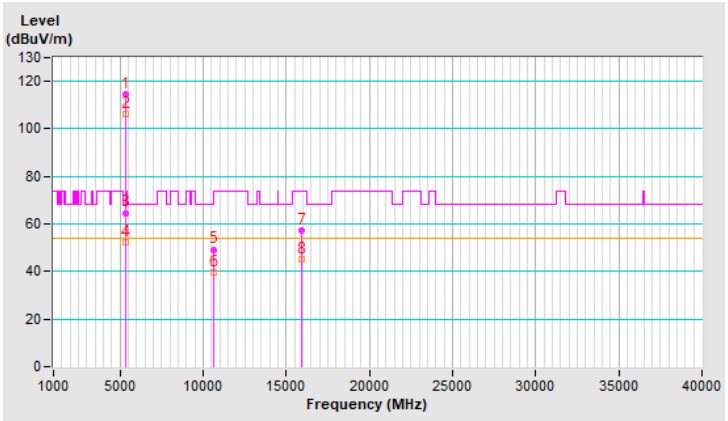


RF Mode	TX 802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.7 PK			1.24 H	205	110.5	4.2
2	*5320.00	106.1 AV			1.24 H	205	101.9	4.2
3	5350.00	64.7 PK	74.0	-9.3	1.24 H	205	60.4	4.3
4	5350.00	52.5 AV	54.0	-1.5	1.24 H	205	48.2	4.3
5	10640.00	49.3 PK	74.0	-24.7	1.55 H	151	35.5	13.8
6	10640.00	39.7 AV	54.0	-14.3	1.55 H	151	25.9	13.8
7	15960.00	57.3 PK	74.0	-16.7	3.01 H	148	43.6	13.7
8	15960.00	45.3 AV	54.0	-8.7	3.01 H	148	31.6	13.7

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.

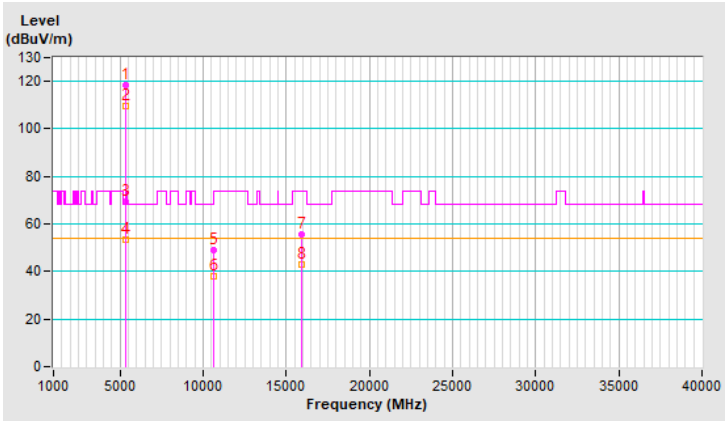


RF Mode	TX 802.11a	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	118.2 PK			2.73 V	188	114.0	4.2
2	*5320.00	109.5 AV			2.73 V	188	105.3	4.2
3	5350.00	69.5 PK	74.0	-4.5	2.73 V	188	65.2	4.3
4	5350.00	53.3 AV	54.0	-0.7	2.73 V	188	49.0	4.3
5	10640.00	48.9 PK	74.0	-25.1	1.61 V	54	35.1	13.8
6	10640.00	37.9 AV	54.0	-16.1	1.61 V	54	24.1	13.8
7	15960.00	55.8 PK	74.0	-18.2	1.41 V	27	42.1	13.7
8	15960.00	43.1 AV	54.0	-10.9	1.41 V	27	29.4	13.7

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.

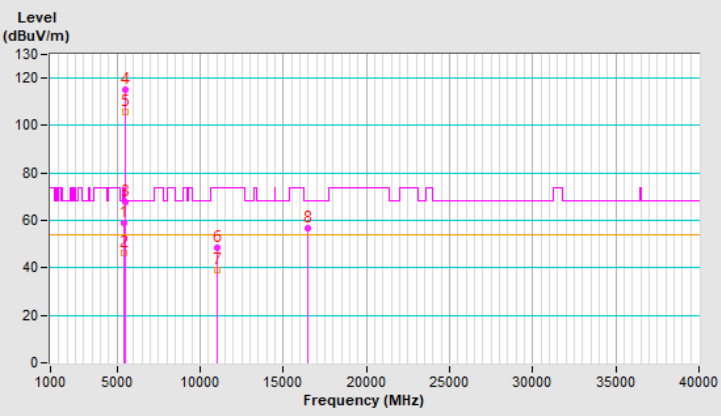


RF Mode	TX 802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	58.8 PK	74.0	-15.2	2.20 H	42	54.4	4.4
2	5460.00	46.3 AV	54.0	-7.7	2.20 H	42	41.9	4.4
3	#5470.00	67.9 PK	68.2	-0.3	2.20 H	42	63.5	4.4
4	*5500.00	114.9 PK			2.20 H	42	110.4	4.5
5	*5500.00	105.9 AV			2.20 H	42	101.4	4.5
6	11000.00	48.6 PK	74.0	-25.4	1.57 H	149	34.2	14.4
7	11000.00	39.3 AV	54.0	-14.7	1.57 H	149	24.9	14.4
8	#16500.00	56.8 PK	68.2	-11.4	2.97 H	143	41.7	15.1

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.
6. " # ": The radiated frequency is out of the restricted band.

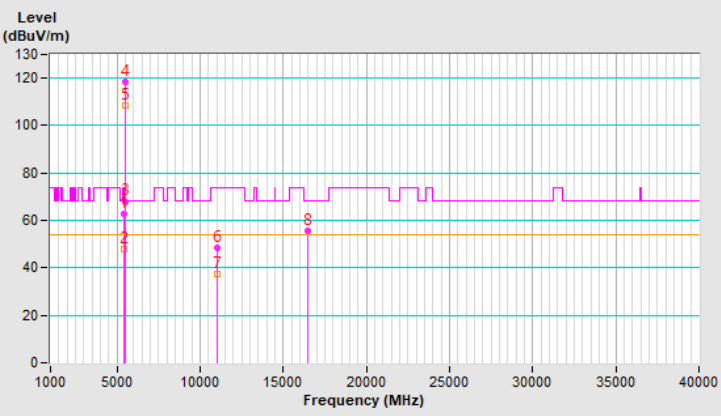


RF Mode	TX 802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.69 V	227	58.5	4.4
2	5460.00	47.7 AV	54.0	-6.3	1.69 V	227	43.3	4.4
3	**#5464.43**	**68.0 PK**	**68.2**	**-0.2**	**1.69 V**	**227**	**63.6**	**4.4**
4	*5500.00	118.5 PK			1.69 V	227	114.0	4.5
5	*5500.00	108.3 AV			1.69 V	227	103.8	4.5
6	11000.00	48.3 PK	74.0	-25.7	1.58 V	49	33.9	14.4
7	11000.00	37.4 AV	54.0	-16.6	1.58 V	49	23.0	14.4
8	#16500.00	55.5 PK	68.2	-12.7	1.45 V	29	40.4	15.1

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.
6. " # ": The radiated frequency is out of the restricted band.

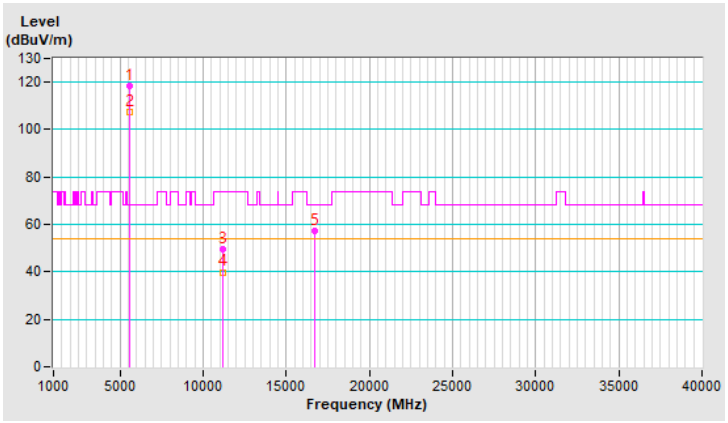


RF Mode	TX 802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	118.5 PK			1.74 H	210	113.9	4.6
2	*5580.00	107.5 AV			1.74 H	210	102.9	4.6
3	11160.00	49.5 PK	74.0	-24.5	1.57 H	131	35.2	14.3
4	11160.00	39.9 AV	54.0	-14.1	1.57 H	131	25.6	14.3
5	#16740.00	57.5 PK	68.2	-10.7	3.01 H	144	41.0	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.
6. " # ": The radiated frequency is out of the restricted band.

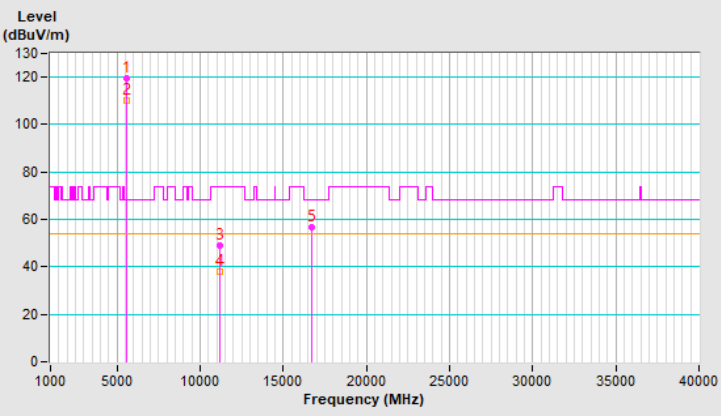


RF Mode	TX 802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	119.5 PK			1.64 V	200	114.9	4.6
2	*5580.00	110.3 AV			1.64 V	200	105.7	4.6
3	11160.00	48.9 PK	74.0	-25.1	1.58 V	73	34.6	14.3
4	11160.00	38.0 AV	54.0	-16.0	1.58 V	73	23.7	14.3
5	#16740.00	56.6 PK	68.2	-11.6	1.36 V	36	40.1	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.
6. " # ": The radiated frequency is out of the restricted band.

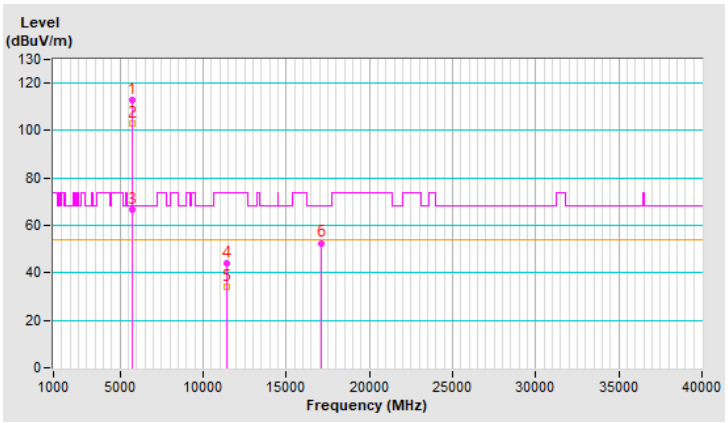


RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.8 PK			1.75 H	302	108.3	4.5
2	*5700.00	102.9 AV			1.75 H	302	98.4	4.5
3	#5725.00	66.8 PK	68.2	-1.4	1.75 H	302	62.1	4.7
4	11400.00	44.2 PK	74.0	-29.8	1.60 H	119	29.5	14.7
5	11400.00	34.1 AV	54.0	-19.9	1.60 H	119	19.4	14.7
6	#17100.00	52.6 PK	68.2	-15.6	3.02 H	137	34.5	18.1

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.
6. " # ": The radiated frequency is out of the restricted band.

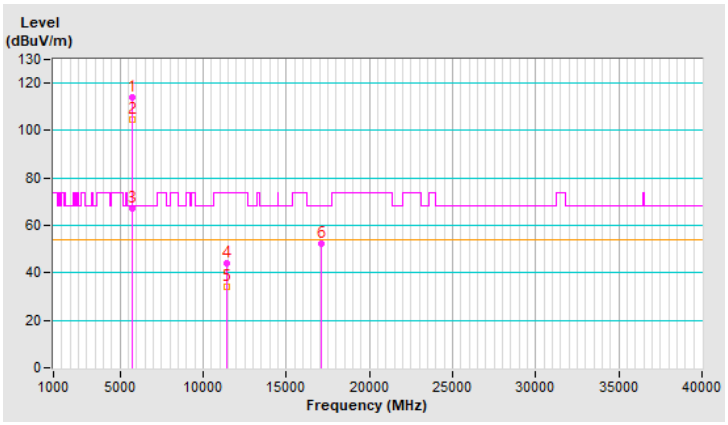


RF Mode	TX 802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	114.2 PK			1.46 V	206	109.7	4.5
2	*5700.00	104.7 AV			1.46 V	206	100.2	4.5
3	#5725.00	67.0 PK	68.2	-1.2	1.46 V	206	62.3	4.7
4	11400.00	43.8 PK	74.0	-30.2	1.62 V	61	29.1	14.7
5	11400.00	34.0 AV	54.0	-20.0	1.62 V	61	19.3	14.7
6	#17100.00	52.2 PK	68.2	-16.0	1.45 V	37	34.1	18.1

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.
6. " # ": The radiated frequency is out of the restricted band.

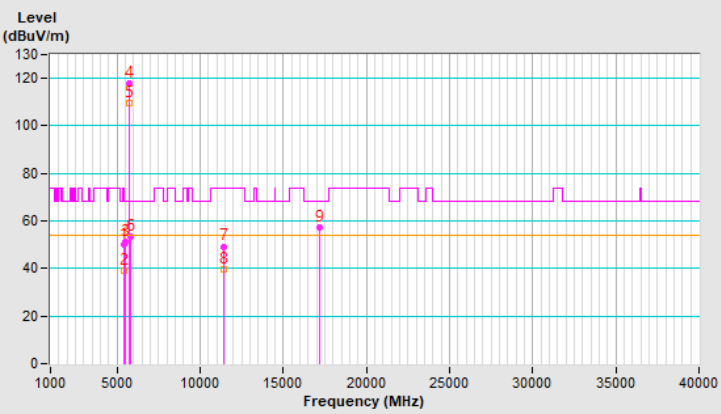


RF Mode	TX 802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.72 H	299	45.8	4.4
2	5460.00	39.1 AV	54.0	-14.9	1.72 H	299	34.7	4.4
3	#5470.00	51.3 PK	68.2	-16.9	1.72 H	299	46.9	4.4
4	*5720.00	117.9 PK			1.72 H	299	113.3	4.6
5	*5720.00	109.8 AV			1.72 H	299	105.2	4.6
6	#5850.00	53.5 PK	68.2	-14.7	1.72 H	299	48.4	5.1
7	11440.00	49.3 PK	74.0	-24.7	1.55 H	120	34.5	14.8
8	11440.00	39.7 AV	54.0	-14.3	1.55 H	120	24.9	14.8
9	#17160.00	57.2 PK	68.2	-11.0	2.98 H	154	39.2	18.0

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.
6. " # ": The radiated frequency is out of the restricted band.

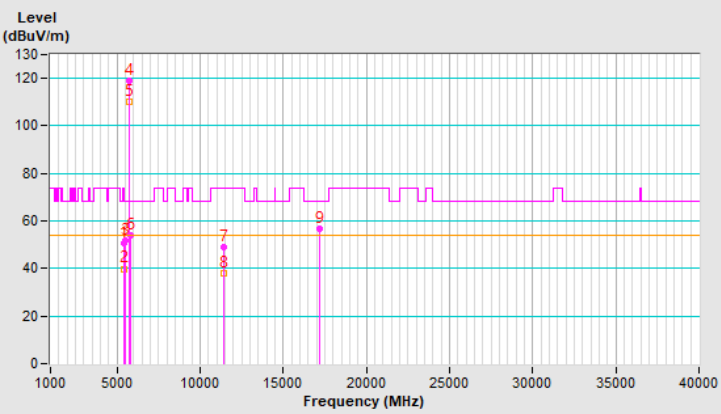


RF Mode	TX 802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.50 V	204	46.5	4.4
2	5460.00	39.9 AV	54.0	-14.1	1.50 V	204	35.5	4.4
3	#5470.00	51.9 PK	68.2	-16.3	1.50 V	204	47.5	4.4
4	*5720.00	119.1 PK			1.50 V	204	114.5	4.6
5	*5720.00	110.0 AV			1.50 V	204	105.4	4.6
6	#5850.00	53.9 PK	68.2	-14.3	1.50 V	204	48.8	5.1
7	11440.00	48.8 PK	74.0	-25.2	1.61 V	69	34.0	14.8
8	11440.00	37.9 AV	54.0	-16.1	1.61 V	69	23.1	14.8
9	#17160.00	56.8 PK	68.2	-11.4	1.40 V	37	38.8	18.0

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.
6. " # ": The radiated frequency is out of the restricted band.

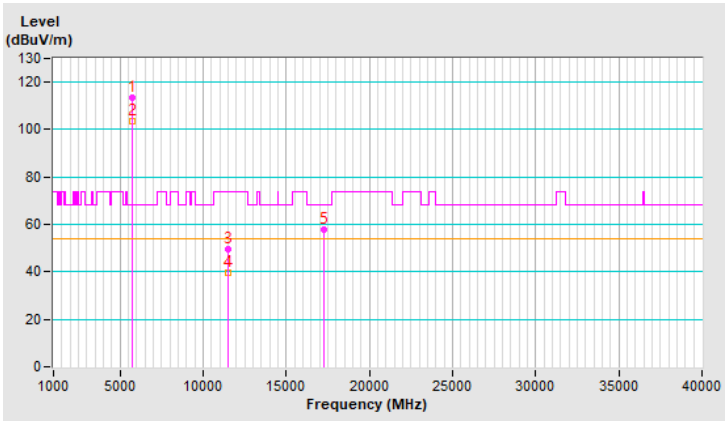


RF Mode	TX 802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	113.4 PK			1.81 H	216	108.5	4.9
2	*5745.00	103.4 AV			1.81 H	216	98.5	4.9
3	11490.00	49.8 PK	74.0	-24.2	1.46 H	153	35.0	14.8
4	11490.00	39.6 AV	54.0	-14.4	1.46 H	153	24.8	14.8
5	#17235.00	57.8 PK	68.2	-10.4	1.58 H	352	39.6	18.2

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.
6. " # ": The radiated frequency is out of the restricted band.

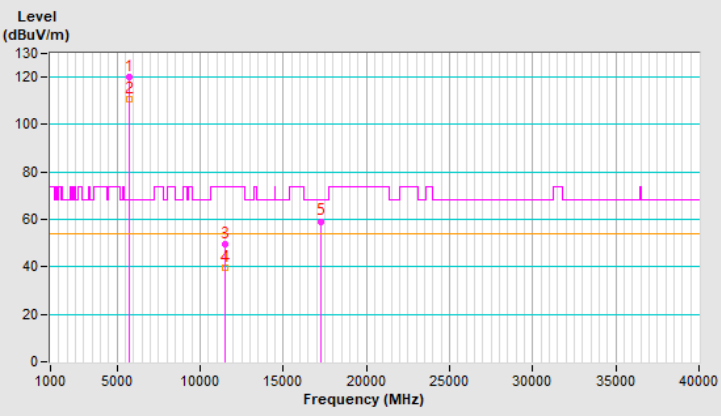


RF Mode	TX 802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5745.00	120.1 PK			1.57 V	198	115.2	4.9
2	*5745.00	110.7 AV			1.57 V	198	105.8	4.9
3	11490.00	49.8 PK	74.0	-24.2	2.56 V	307	35.0	14.8
4	11490.00	39.5 AV	54.0	-14.5	2.56 V	307	24.7	14.8
5	#17235.00	59.2 PK	68.2	-9.0	1.49 V	360	41.0	18.2

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.
6. " # ": The radiated frequency is out of the restricted band.

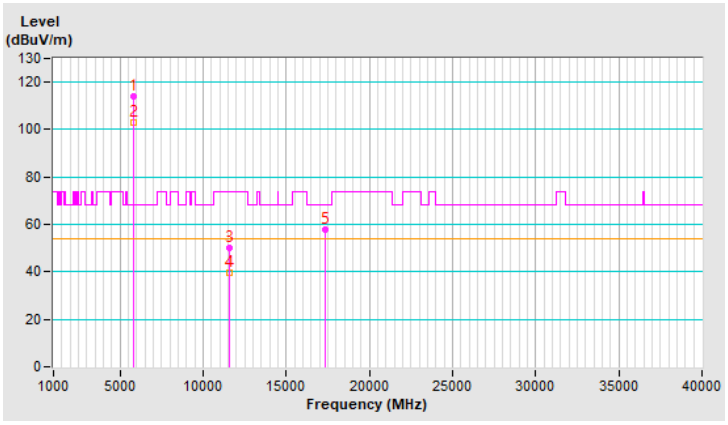


RF Mode	TX 802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	113.8 PK			1.68 H	206	108.8	5.0
2	*5785.00	103.2 AV			1.68 H	206	98.2	5.0
3	11570.00	50.0 PK	74.0	-24.0	1.47 H	149	35.0	15.0
4	11570.00	39.8 AV	54.0	-14.2	1.47 H	149	24.8	15.0
5	#17355.00	58.0 PK	68.2	-10.2	1.52 H	355	39.4	18.6

Remarks:

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

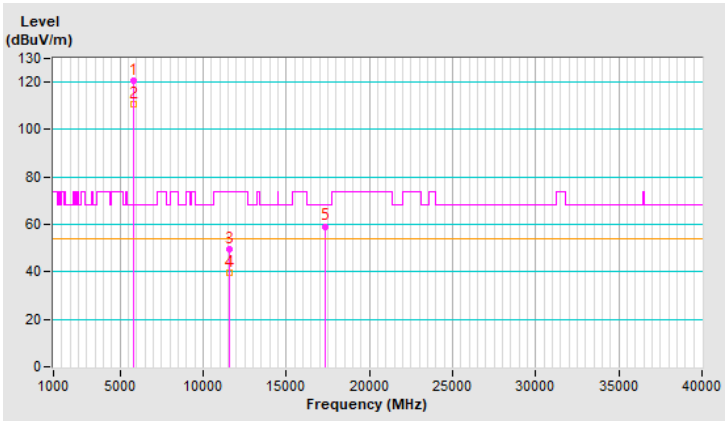


RF Mode	TX 802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5785.00	120.4 PK			1.54 V	200	115.4	5.0
2	*5785.00	110.8 AV			1.54 V	200	105.8	5.0
3	11570.00	49.6 PK	74.0	-24.4	2.50 V	293	34.6	15.0
4	11570.00	39.5 AV	54.0	-14.5	2.50 V	293	24.5	15.0
5	#17355.00	59.2 PK	68.2	-9.0	1.54 V	355	40.6	18.6

Remarks:

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

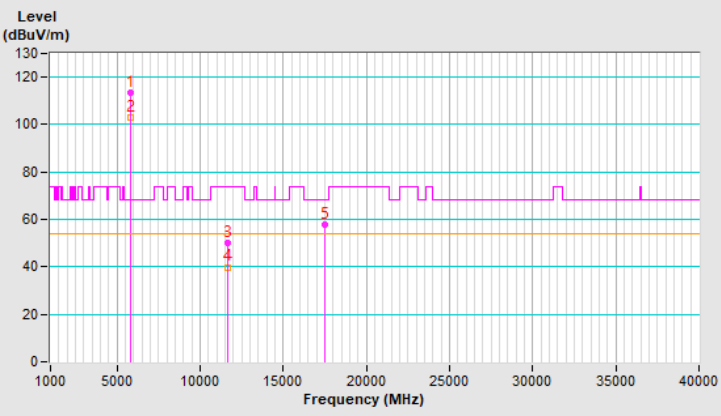


RF Mode	TX 802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	113.4 PK			1.85 H	206	108.3	5.1
2	*5825.00	103.2 AV			1.85 H	206	98.1	5.1
3	11650.00	50.3 PK	74.0	-23.7	1.49 H	135	35.4	14.9
4	11650.00	39.9 AV	54.0	-14.1	1.49 H	135	25.0	14.9
5	#17475.00	57.7 PK	68.2	-10.5	1.49 H	360	38.7	19.0

Remarks:

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

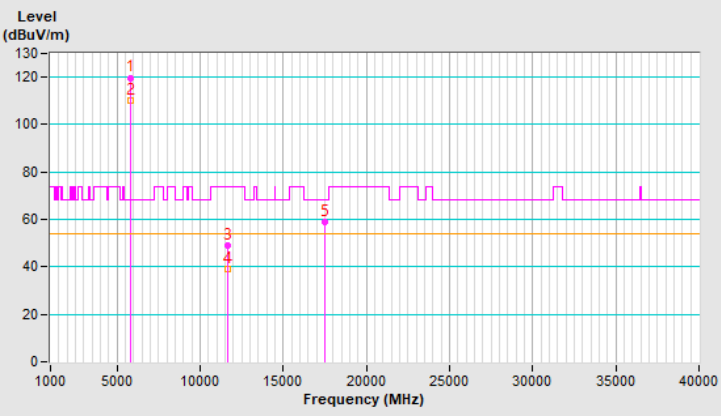


RF Mode	TX 802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	119.8 PK			1.48 V	210	114.7	5.1
2	*5825.00	110.4 AV			1.48 V	210	105.3	5.1
3	11650.00	49.1 PK	74.0	-24.9	2.53 V	288	34.2	14.9
4	11650.00	39.3 AV	54.0	-14.7	2.53 V	288	24.4	14.9
5	#17475.00	58.8 PK	68.2	-9.4	1.52 V	360	39.8	19.0

Remarks:

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

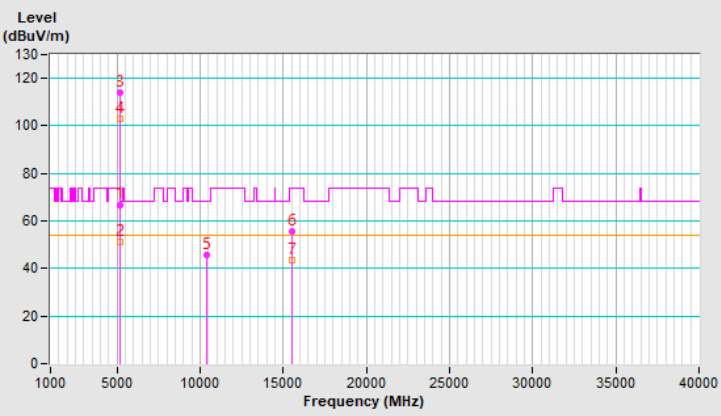


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	1.50 H	201	62.3	4.6
2	5150.00	51.0 AV	54.0	-3.0	1.50 H	201	46.4	4.6
3	*5180.00	114.2 PK			1.50 H	201	109.7	4.5
4	*5180.00	103.2 AV			1.50 H	201	98.7	4.5
5	#10360.00	45.5 PK	68.2	-22.7	1.51 H	129	31.9	13.6
6	15540.00	55.7 PK	74.0	-18.3	1.52 H	54	41.6	14.1
7	15540.00	43.6 AV	54.0	-10.4	1.52 H	54	29.5	14.1

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.
6. " # ": The radiated frequency is out of the restricted band.

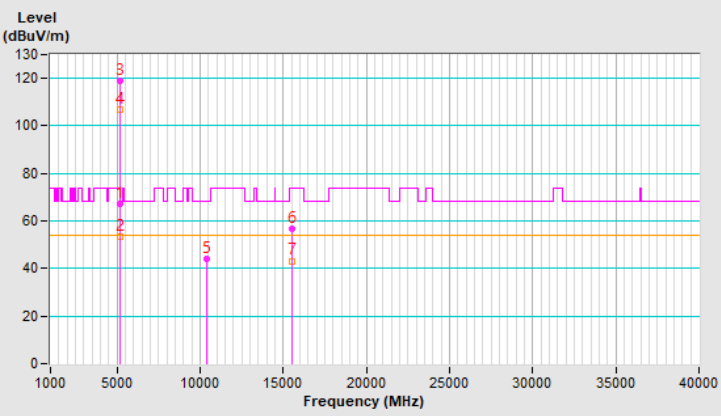


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	67.2 PK	74.0	-6.8	2.81 V	185	62.6	4.6
2	5150.00	53.4 AV	54.0	-0.6	2.81 V	185	48.8	4.6
3	*5180.00	118.9 PK			2.81 V	185	114.4	4.5
4	*5180.00	106.9 AV			2.81 V	185	102.4	4.5
5	#10360.00	44.3 PK	68.2	-23.9	1.59 V	69	30.7	13.6
6	15540.00	56.6 PK	74.0	-17.4	1.67 V	86	42.5	14.1
7	15540.00	43.2 AV	54.0	-10.8	1.67 V	86	29.1	14.1

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.
6. " # ": The radiated frequency is out of the restricted band.

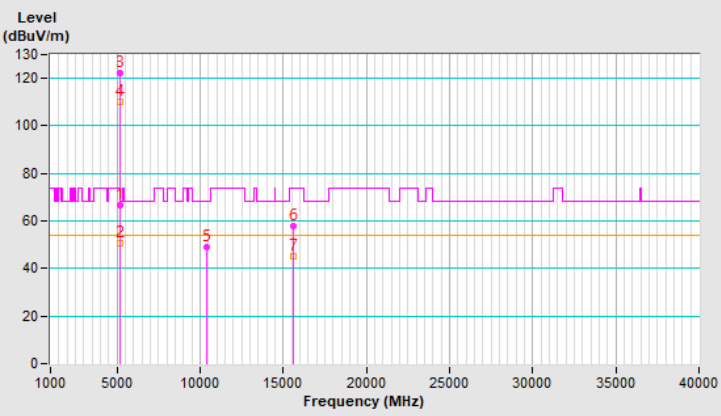


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	66.4 PK	74.0	-7.6	2.80 H	180	61.8	4.6
2	5150.00	50.6 AV	54.0	-3.4	2.80 H	180	46.0	4.6
3	*5200.00	122.2 PK			2.80 H	180	117.8	4.4
4	*5200.00	110.2 AV			2.80 H	180	105.8	4.4
5	#10400.00	48.8 PK	68.2	-19.4	1.45 H	137	35.1	13.7
6	15600.00	57.8 PK	74.0	-16.2	1.51 H	42	43.8	14.0
7	15600.00	45.2 AV	54.0	-8.8	1.51 H	42	31.2	14.0

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.
6. " # ": The radiated frequency is out of the restricted band.

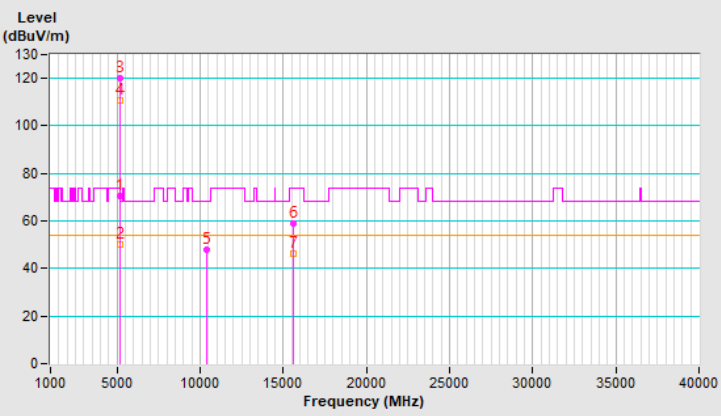


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	70.7 PK	74.0	-3.3	2.70 V	181	66.1	4.6
2	5150.00	50.1 AV	54.0	-3.9	2.70 V	181	45.5	4.6
3	*5200.00	120.1 PK			2.70 V	181	115.7	4.4
4	*5200.00	110.7 AV			2.70 V	181	106.3	4.4
5	#10400.00	48.0 PK	68.2	-20.2	1.64 V	71	34.3	13.7
6	15600.00	59.1 PK	74.0	-14.9	1.62 V	89	45.1	14.0
7	15600.00	46.0 AV	54.0	-8.0	1.62 V	89	32.0	14.0

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.
6. " # ": The radiated frequency is out of the restricted band.

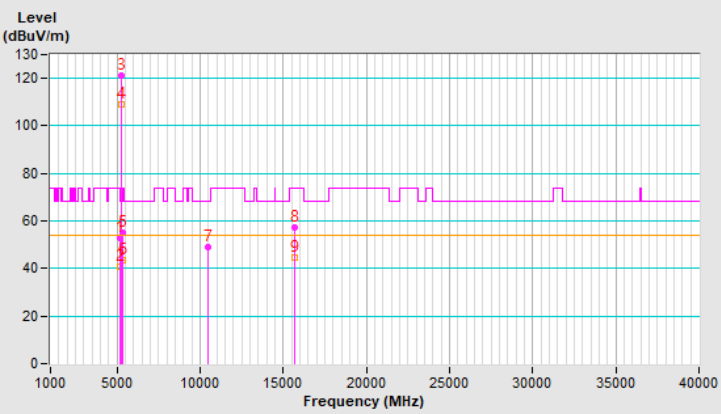


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	2.74 H	161	48.5	4.6
2	5150.00	40.6 AV	54.0	-13.4	2.74 H	161	36.0	4.6
3	*5240.00	121.3 PK			2.74 H	161	117.2	4.1
4	*5240.00	109.1 AV			2.74 H	161	105.0	4.1
5	5350.00	55.3 PK	74.0	-18.7	2.74 H	161	51.0	4.3
6	5350.00	43.6 AV	54.0	-10.4	2.74 H	161	39.3	4.3
7	#10480.00	49.1 PK	68.2	-19.1	1.47 H	144	35.3	13.8
8	15720.00	57.4 PK	74.0	-16.6	1.50 H	52	43.7	13.7
9	15720.00	44.8 AV	54.0	-9.2	1.50 H	52	31.1	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

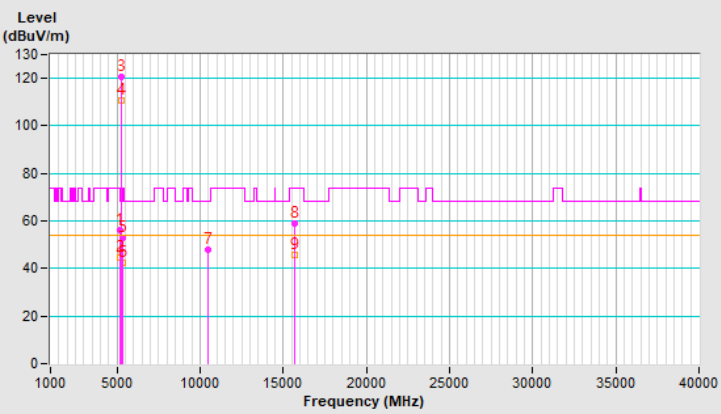


RF Mode	TX 802.11ax (HE20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	56.1 PK	74.0	-17.9	2.83 V	177	51.5	4.6
2	5150.00	44.8 AV	54.0	-9.2	2.83 V	177	40.2	4.6
3	*5240.00	120.4 PK			2.83 V	177	116.3	4.1
4	*5240.00	110.8 AV			2.83 V	177	106.7	4.1
5	5350.00	52.8 PK	74.0	-21.2	2.83 V	177	48.5	4.3
6	5350.00	42.4 AV	54.0	-11.6	2.83 V	177	38.1	4.3
7	#10480.00	48.1 PK	68.2	-20.1	1.63 V	83	34.3	13.8
8	15720.00	58.7 PK	74.0	-15.3	1.57 V	73	45.0	13.7
9	15720.00	45.6 AV	54.0	-8.4	1.57 V	73	31.9	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

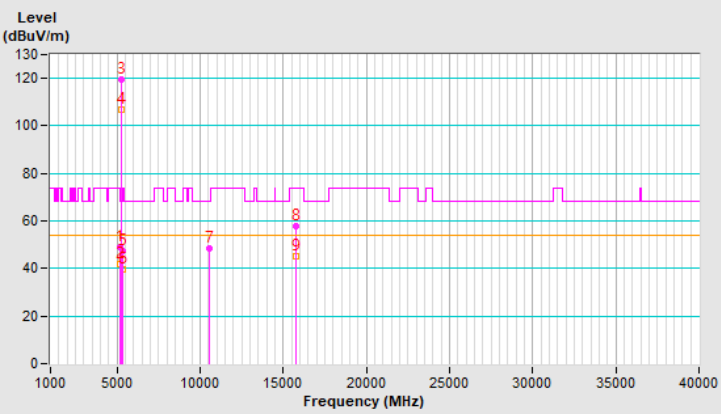


RF Mode	TX 802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.1 PK	74.0	-24.9	1.47 H	204	44.5	4.6
2	5150.00	41.9 AV	54.0	-12.1	1.47 H	204	37.3	4.6
3	*5260.00	119.6 PK			1.47 H	204	115.5	4.1
4	*5260.00	106.6 AV			1.47 H	204	102.5	4.1
5	5350.00	47.2 PK	74.0	-26.8	1.47 H	204	42.9	4.3
6	5350.00	39.7 AV	54.0	-14.3	1.47 H	204	35.4	4.3
7	#10520.00	48.5 PK	68.2	-19.7	1.45 H	140	34.6	13.9
8	15780.00	57.7 PK	74.0	-16.3	1.51 H	59	44.0	13.7
9	15780.00	44.9 AV	54.0	-9.1	1.51 H	59	31.2	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

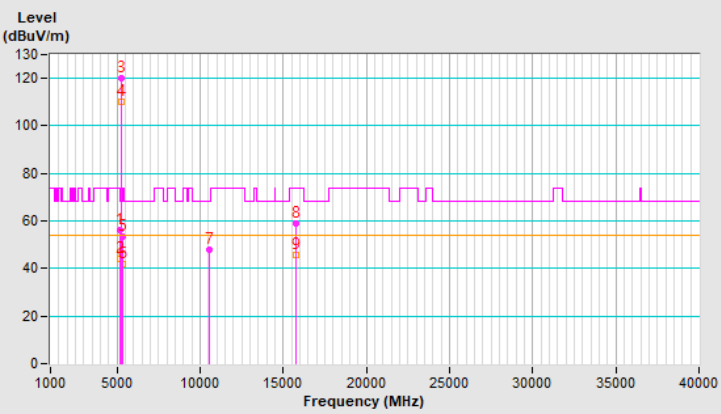


RF Mode	TX 802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	56.3 PK	74.0	-17.7	2.83 V	170	51.7	4.6
2	5150.00	44.3 AV	54.0	-9.7	2.83 V	170	39.7	4.6
3	*5260.00	119.9 PK			2.83 V	170	115.8	4.1
4	*5260.00	110.3 AV			2.83 V	170	106.2	4.1
5	5350.00	53.5 PK	74.0	-20.5	2.83 V	170	49.2	4.3
6	5350.00	41.7 AV	54.0	-12.3	2.83 V	170	37.4	4.3
7	#10520.00	47.7 PK	68.2	-20.5	1.68 V	98	33.8	13.9
8	15780.00	58.8 PK	74.0	-15.2	1.54 V	81	45.1	13.7
9	15780.00	45.5 AV	54.0	-8.5	1.54 V	81	31.8	13.7

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.
6. " # ": The radiated frequency is out of the restricted band.

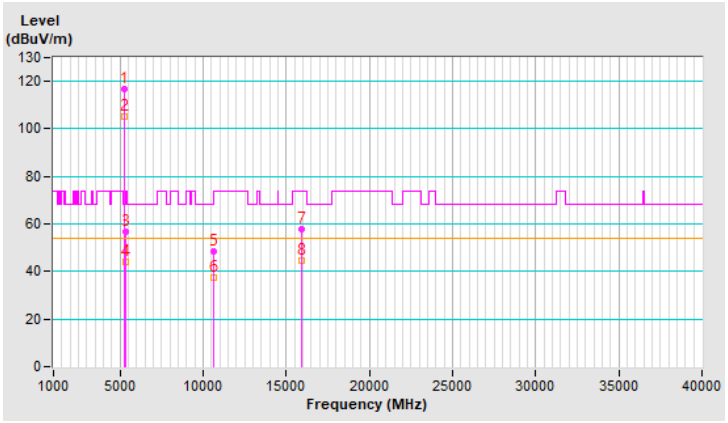


RF Mode	TX 802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	116.9 PK			1.50 H	342	112.9	4.0
2	*5300.00	105.1 AV			1.50 H	342	101.1	4.0
3	5350.00	56.5 PK	74.0	-17.5	1.50 H	342	52.2	4.3
4	5350.00	44.2 AV	54.0	-9.8	1.50 H	342	39.9	4.3
5	10600.00	48.6 PK	74.0	-25.4	1.50 H	141	34.9	13.7
6	10600.00	37.6 AV	54.0	-16.4	1.50 H	141	23.9	13.7
7	15900.00	57.6 PK	74.0	-16.4	1.49 H	56	43.9	13.7
8	15900.00	44.8 AV	54.0	-9.2	1.49 H	56	31.1	13.7

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.

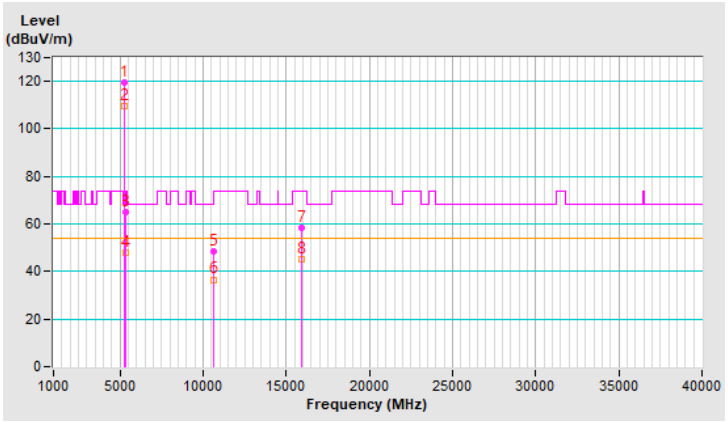


RF Mode	TX 802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.6 PK			2.81 V	174	115.6	4.0
2	*5300.00	109.5 AV			2.81 V	174	105.5	4.0
3	5350.00	64.9 PK	74.0	-9.1	2.81 V	174	60.6	4.3
4	5350.00	47.8 AV	54.0	-6.2	2.81 V	174	43.5	4.3
5	10600.00	48.3 PK	74.0	-25.7	1.67 V	82	34.6	13.7
6	10600.00	36.6 AV	54.0	-17.4	1.67 V	82	22.9	13.7
7	15900.00	58.3 PK	74.0	-15.7	1.63 V	58	44.6	13.7
8	15900.00	45.3 AV	54.0	-8.7	1.63 V	58	31.6	13.7

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.

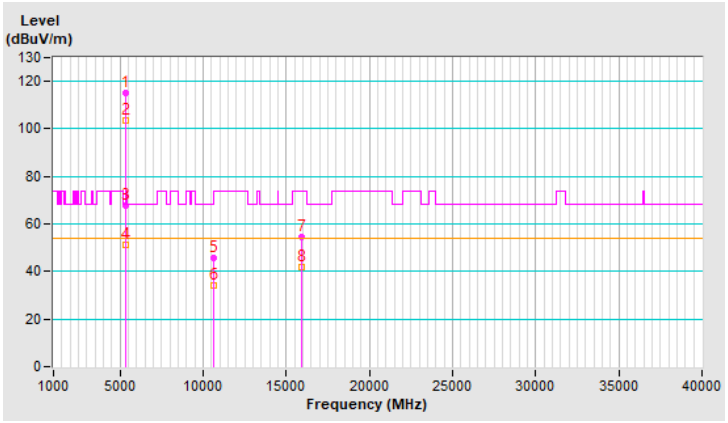


RF Mode	TX 802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	115.2 PK			1.32 H	202	111.0	4.2
2	*5320.00	103.6 AV			1.32 H	202	99.4	4.2
3	5350.00	67.7 PK	74.0	-6.3	1.32 H	202	63.4	4.3
4	5350.00	51.3 AV	54.0	-2.7	1.32 H	202	47.0	4.3
5	10640.00	45.7 PK	74.0	-28.3	1.53 H	131	31.9	13.8
6	10640.00	33.9 AV	54.0	-20.1	1.53 H	131	20.1	13.8
7	15960.00	54.7 PK	74.0	-19.3	1.47 H	46	41.0	13.7
8	15960.00	42.0 AV	54.0	-12.0	1.47 H	46	28.3	13.7

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.

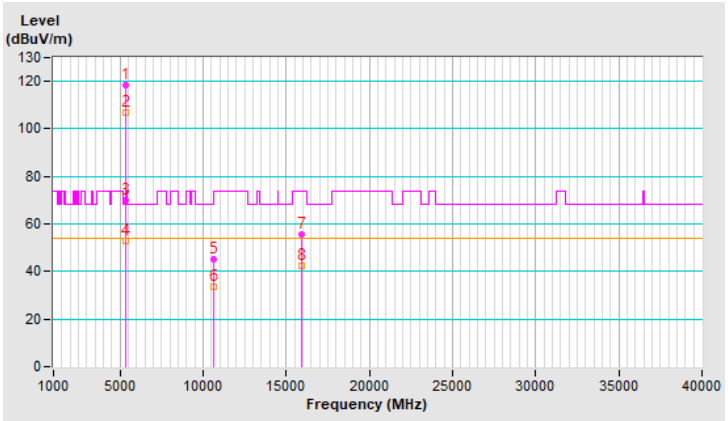


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	118.3 PK			2.77 V	190	114.1	4.2
2	*5320.00	106.6 AV			2.77 V	190	102.4	4.2
3	5350.00	69.9 PK	74.0	-4.1	2.77 V	190	65.6	4.3
4	5350.00	53.1 AV	54.0	-0.9	2.77 V	190	48.8	4.3
5	10640.00	45.3 PK	74.0	-28.7	1.68 V	79	31.5	13.8
6	10640.00	33.7 AV	54.0	-20.3	1.68 V	79	19.9	13.8
7	15960.00	55.8 PK	74.0	-18.2	1.64 V	66	42.1	13.7
8	15960.00	42.6 AV	54.0	-11.4	1.64 V	66	28.9	13.7

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.

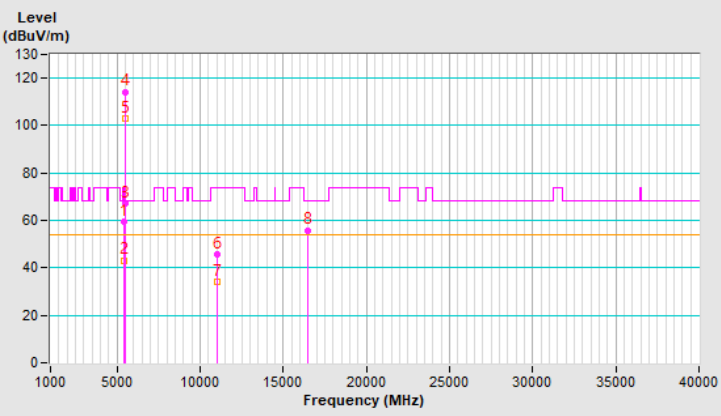


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	59.7 PK	74.0	-14.3	2.14 H	48	55.3	4.4
2	5460.00	43.2 AV	54.0	-10.8	2.14 H	48	38.8	4.4
3	#5468.71	67.0 PK	68.2	-1.2	2.14 H	48	62.6	4.4
4	*5500.00	114.3 PK			2.14 H	48	109.8	4.5
5	*5500.00	103.1 AV			2.14 H	48	98.6	4.5
6	11000.00	45.9 PK	74.0	-28.1	1.47 H	145	31.5	14.4
7	11000.00	34.3 AV	54.0	-19.7	1.47 H	145	19.9	14.4
8	#16500.00	55.9 PK	68.2	-12.3	1.48 H	54	40.8	15.1

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.
6. " # ": The radiated frequency is out of the restricted band.

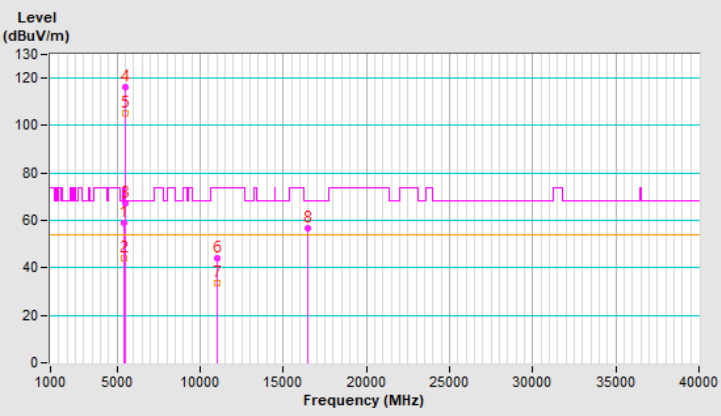


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	1.69 V	201	54.5	4.4
2	5460.00	43.9 AV	54.0	-10.1	1.69 V	201	39.5	4.4
3	#5466.90	67.3 PK	68.2	-0.9	1.69 V	201	62.9	4.4
4	*5500.00	116.1 PK			1.69 V	201	111.6	4.5
5	*5500.00	105.3 AV			1.69 V	201	100.8	4.5
6	11000.00	44.3 PK	74.0	-29.7	1.58 V	75	29.9	14.4
7	11000.00	33.6 AV	54.0	-20.4	1.58 V	75	19.2	14.4
8	#16500.00	56.9 PK	68.2	-11.3	1.67 V	96	41.8	15.1

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.
6. " # ": The radiated frequency is out of the restricted band.

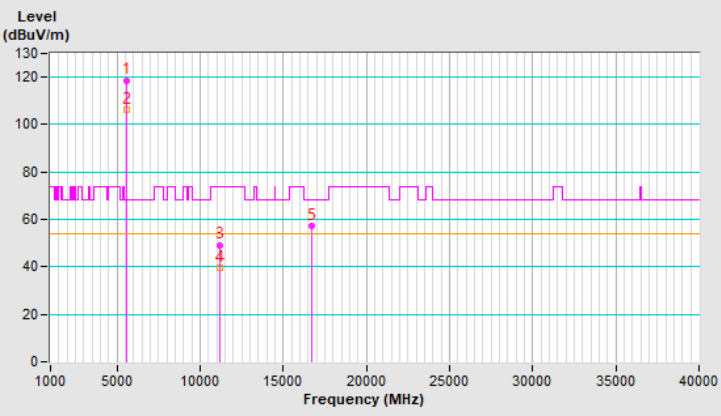


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	118.7 PK			1.88 H	210	114.1	4.6
2	*5580.00	106.5 AV			1.88 H	210	101.9	4.6
3	11160.00	49.3 PK	74.0	-24.7	1.56 H	119	35.0	14.3
4	11160.00	39.4 AV	54.0	-14.6	1.56 H	119	25.1	14.3
5	#16740.00	57.5 PK	68.2	-10.7	2.98 H	147	41.0	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.
6. " # ": The radiated frequency is out of the restricted band.

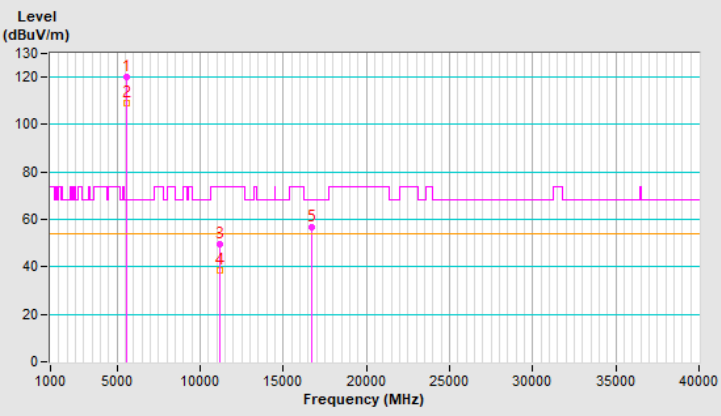


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5580.00	119.9 PK			1.66 V	199	115.3	4.6
2	*5580.00	109.3 AV			1.66 V	199	104.7	4.6
3	11160.00	49.7 PK	74.0	-24.3	1.58 V	62	35.4	14.3
4	11160.00	38.5 AV	54.0	-15.5	1.58 V	62	24.2	14.3
5	#16740.00	56.8 PK	68.2	-11.4	1.41 V	47	40.3	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.
6. " # ": The radiated frequency is out of the restricted band.

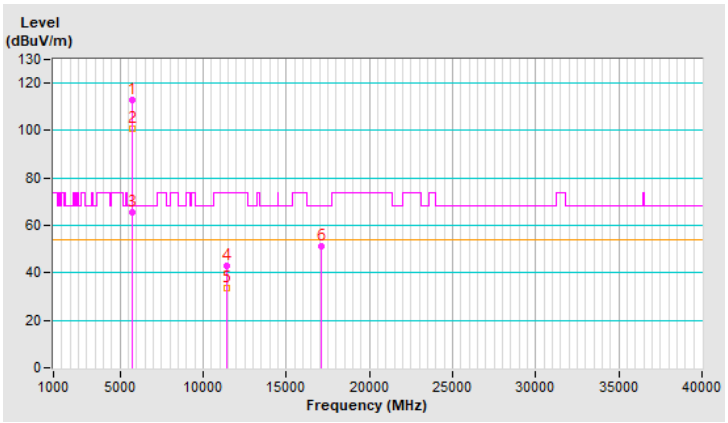


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	112.8 PK			1.72 H	306	108.3	4.5
2	*5700.00	101.0 AV			1.72 H	306	96.5	4.5
3	#5725.00	65.7 PK	68.2	-2.5	1.72 H	306	61.0	4.7
4	11400.00	43.0 PK	74.0	-31.0	1.56 H	125	28.3	14.7
5	11400.00	33.4 AV	54.0	-20.6	1.56 H	125	18.7	14.7
6	#17100.00	51.2 PK	68.2	-17.0	3.06 H	137	33.1	18.1

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.
6. " # ": The radiated frequency is out of the restricted band.

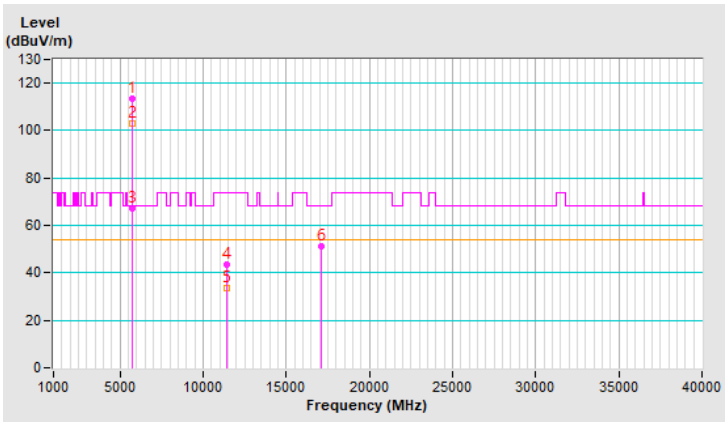


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	113.7 PK			1.56 V	194	109.2	4.5
2	*5700.00	103.0 AV			1.56 V	194	98.5	4.5
3	#5725.00	67.4 PK	68.2	-0.8	1.56 V	194	62.7	4.7
4	11400.00	43.4 PK	74.0	-30.6	1.66 V	78	28.7	14.7
5	11400.00	33.5 AV	54.0	-20.5	1.66 V	78	18.8	14.7
6	#17100.00	51.4 PK	68.2	-16.8	1.53 V	28	33.3	18.1

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.
6. " # ": The radiated frequency is out of the restricted band.

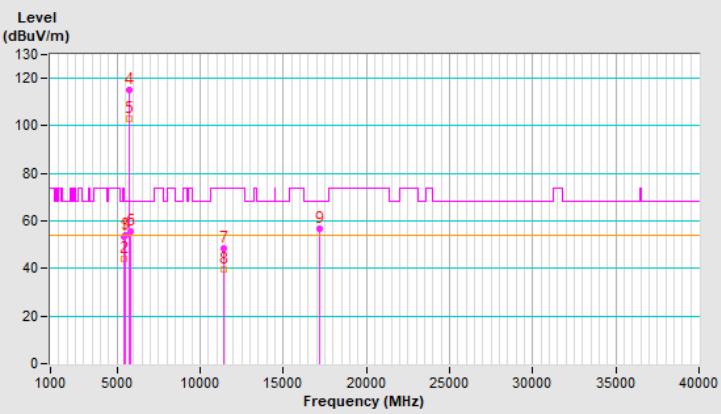


RF Mode	TX 802.11ax (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.2 PK	74.0	-20.8	1.72 H	302	48.8	4.4
2	5460.00	44.1 AV	54.0	-9.9	1.72 H	302	39.7	4.4
3	#5470.00	54.1 PK	68.2	-14.1	1.72 H	302	49.7	4.4
4	*5720.00	115.1 PK			1.72 H	302	110.5	4.6
5	*5720.00	103.2 AV			1.72 H	302	98.6	4.6
6	#5850.00	55.7 PK	68.2	-12.5	1.72 H	302	50.6	5.1
7	11440.00	48.7 PK	74.0	-25.3	1.54 H	120	33.9	14.8
8	11440.00	39.5 AV	54.0	-14.5	1.54 H	120	24.7	14.8
9	#17160.00	56.8 PK	68.2	-11.4	2.96 H	152	38.8	18.0

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.
6. " # ": The radiated frequency is out of the restricted band.

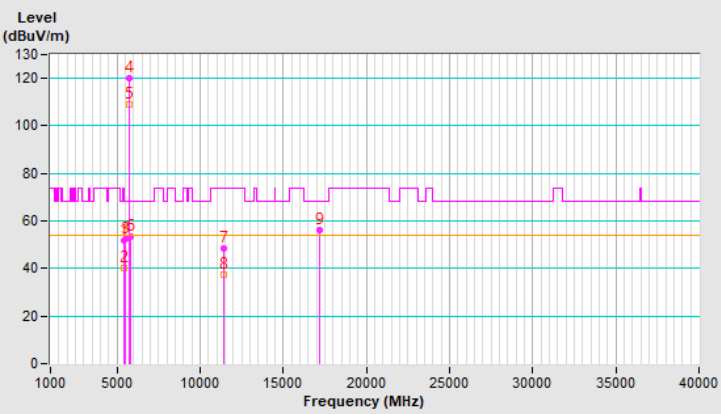


RF Mode	TX 802.11ax (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	51.7 PK	74.0	-22.3	1.50 V	205	47.3	4.4
2	5460.00	40.1 AV	54.0	-13.9	1.50 V	205	35.7	4.4
3	#5470.00	52.1 PK	68.2	-16.1	1.50 V	205	47.7	4.4
4	*5720.00	120.1 PK			1.50 V	205	115.5	4.6
5	*5720.00	109.2 AV			1.50 V	205	104.6	4.6
6	#5850.00	53.6 PK	68.2	-14.6	1.50 V	205	48.5	5.1
7	11440.00	48.4 PK	74.0	-25.6	1.58 V	57	33.6	14.8
8	11440.00	37.5 AV	54.0	-16.5	1.58 V	57	22.7	14.8
9	#17160.00	56.1 PK	68.2	-12.1	1.40 V	36	38.1	18.0

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.
6. " # ": The radiated frequency is out of the restricted band.

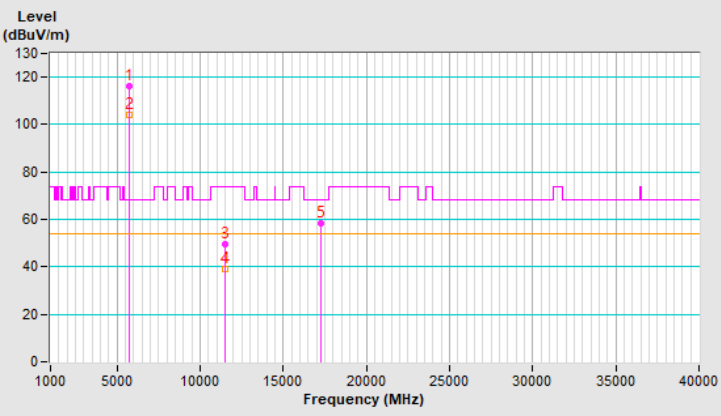


RF Mode	TX 802.11ax (HE20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	116.3 PK			1.80 H	207	111.4	4.9
2	*5745.00	103.9 AV			1.80 H	207	99.0	4.9
3	11490.00	49.6 PK	74.0	-24.4	1.40 H	161	34.8	14.8
4	11490.00	39.3 AV	54.0	-14.7	1.40 H	161	24.5	14.8
5	#17235.00	58.2 PK	68.2	-10.0	1.56 H	337	40.0	18.2

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.
6. " # ": The radiated frequency is out of the restricted band.

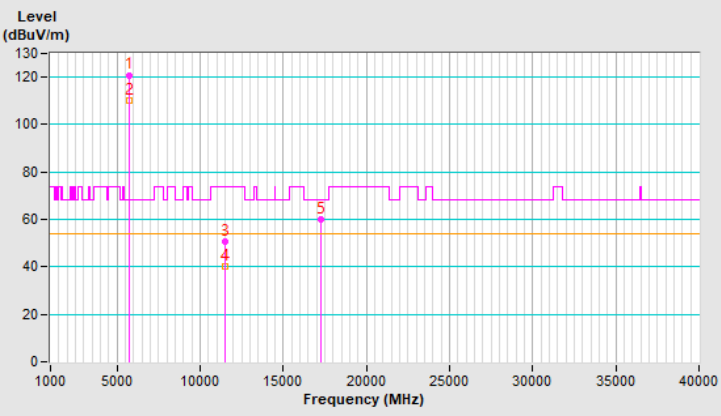


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5745.00	120.9 PK			1.52 V	202	116.0	4.9
2	*5745.00	110.0 AV			1.52 V	202	105.1	4.9
3	11490.00	50.5 PK	74.0	-23.5	2.61 V	320	35.7	14.8
4	11490.00	40.0 AV	54.0	-14.0	2.61 V	320	25.2	14.8
5	#17235.00	59.8 PK	68.2	-8.4	1.43 V	360	41.6	18.2

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.
6. " # ": The radiated frequency is out of the restricted band.

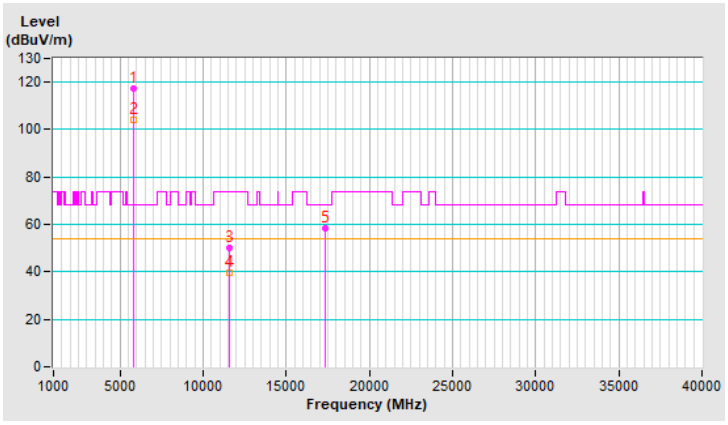


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5785.00	117.2 PK			1.71 H	300	112.2	5.0
2	*5785.00	104.1 AV			1.71 H	300	99.1	5.0
3	11570.00	50.2 PK	74.0	-23.8	1.51 H	144	35.2	15.0
4	11570.00	39.7 AV	54.0	-14.3	1.51 H	144	24.7	15.0
5	#17355.00	58.5 PK	68.2	-9.7	1.47 H	359	39.9	18.6

Remarks:

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

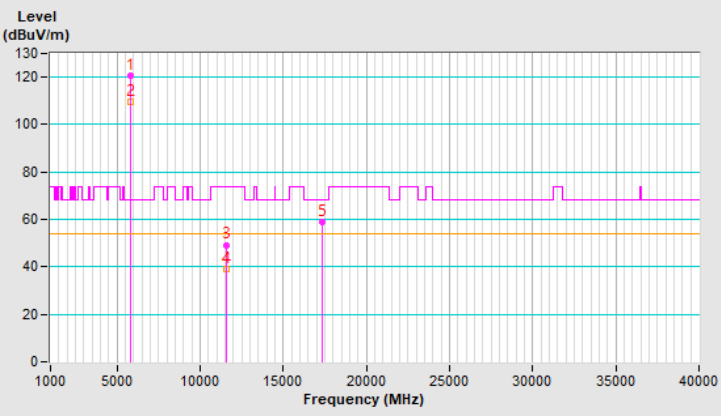


RF Mode	TX 802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	120.4 PK			1.59 V	209	115.4	5.0
2	*5785.00	109.8 AV			1.59 V	209	104.8	5.0
3	11570.00	49.3 PK	74.0	-24.7	2.53 V	286	34.3	15.0
4	11570.00	39.3 AV	54.0	-14.7	2.53 V	286	24.3	15.0
5	#17355.00	59.0 PK	68.2	-9.2	1.51 V	357	40.4	18.6

Remarks:

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

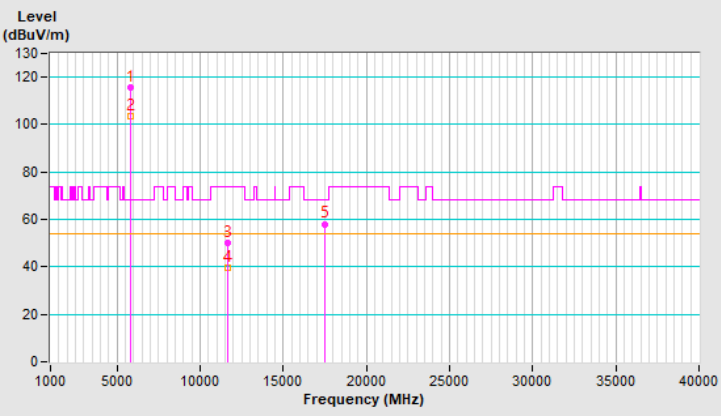


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5825.00	115.8 PK			1.81 H	301	110.7	5.1
2	*5825.00	103.5 AV			1.81 H	301	98.4	5.1
3	11650.00	49.9 PK	74.0	-24.1	1.52 H	138	35.0	14.9
4	11650.00	39.7 AV	54.0	-14.3	1.52 H	138	24.8	14.9
5	#17475.00	58.1 PK	68.2	-10.1	1.55 H	359	39.1	19.0

Remarks:

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

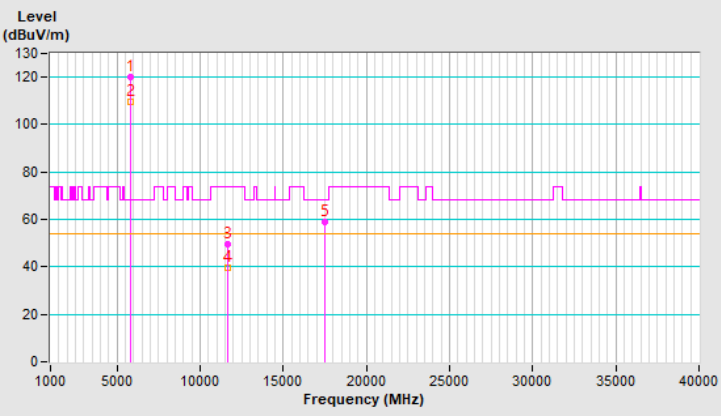


RF Mode	TX 802.11ax (HE20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5825.00	120.2 PK			1.50 V	197	115.1	5.1
2	*5825.00	109.6 AV			1.50 V	197	104.5	5.1
3	11650.00	49.5 PK	74.0	-24.5	2.56 V	277	34.6	14.9
4	11650.00	39.6 AV	54.0	-14.4	2.56 V	277	24.7	14.9
5	#17475.00	58.8 PK	68.2	-9.4	1.49 V	360	39.8	19.0

Remarks:

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

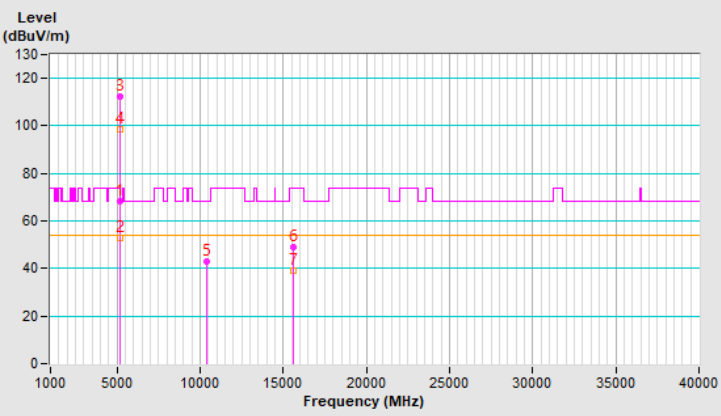


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	68.3 PK	74.0	-5.7	1.45 H	203	63.7	4.6
2	5150.00	52.9 AV	54.0	-1.1	1.45 H	203	48.3	4.6
3	*5190.00	112.2 PK			1.45 H	203	107.8	4.4
4	*5190.00	98.4 AV			1.45 H	203	94.0	4.4
5	#10380.00	42.8 PK	68.2	-25.4	1.52 H	146	29.2	13.6
6	15570.00	49.0 PK	74.0	-25.0	1.46 H	52	35.0	14.0
7	15570.00	38.9 AV	54.0	-15.1	1.46 H	52	24.9	14.0

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.
6. " # ": The radiated frequency is out of the restricted band.

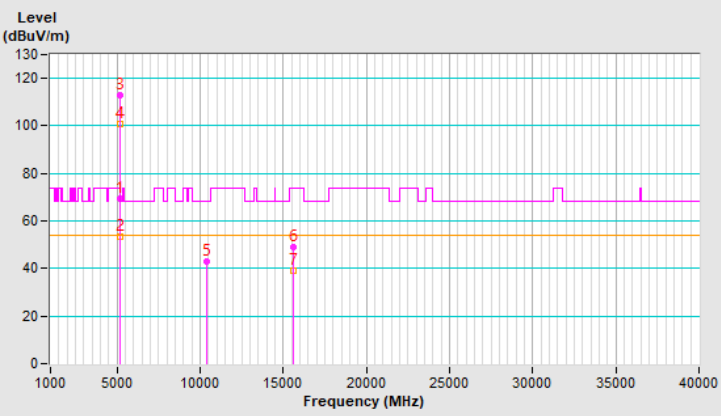


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	69.2 PK	74.0	-4.8	3.02 V	173	64.6	4.6
2	5150.00	53.4 AV	54.0	-0.6	3.02 V	173	48.8	4.6
3	*5190.00	112.9 PK			3.02 V	173	108.5	4.4
4	*5190.00	100.7 AV			3.02 V	173	96.3	4.4
5	#10380.00	43.1 PK	68.2	-25.1	1.53 V	79	29.5	13.6
6	15570.00	49.2 PK	74.0	-24.8	1.64 V	91	35.2	14.0
7	15570.00	39.1 AV	54.0	-14.9	1.64 V	91	25.1	14.0

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.
6. " # ": The radiated frequency is out of the restricted band.

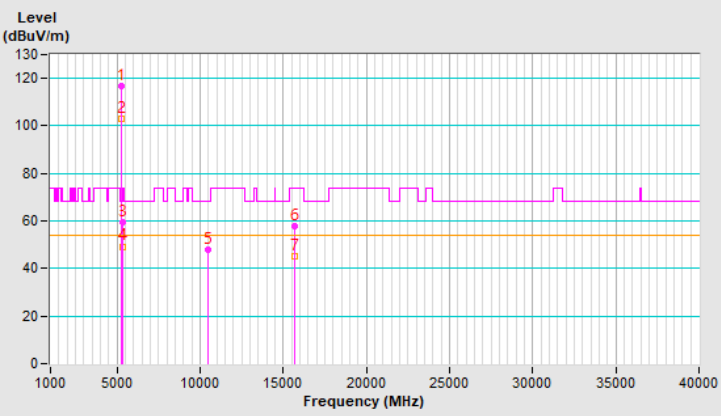


RF Mode	TX 802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	116.6 PK			1.41 H	341	112.4	4.2
2	*5230.00	102.9 AV			1.41 H	341	98.7	4.2
3	5350.00	59.7 PK	74.0	-14.3	1.41 H	341	55.4	4.3
4	5350.00	49.3 AV	54.0	-4.7	1.41 H	341	45.0	4.3
5	#10460.00	48.0 PK	68.2	-20.2	1.60 H	128	34.2	13.8
6	15690.00	57.8 PK	74.0	-16.2	1.54 H	39	44.0	13.8
7	15690.00	45.2 AV	54.0	-8.8	1.54 H	39	31.4	13.8

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.
6. " # ": The radiated frequency is out of the restricted band.

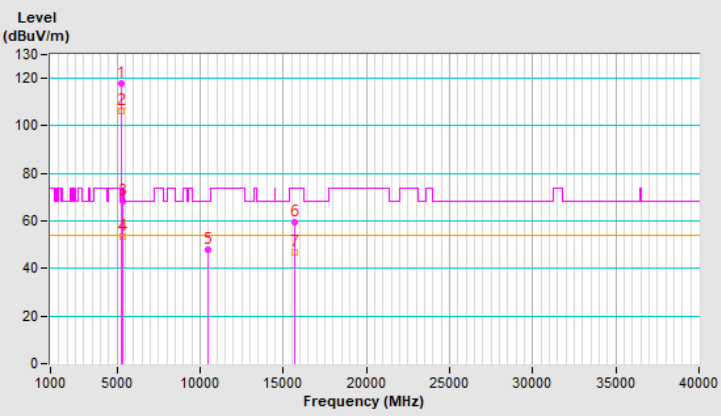


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5230.00	118.1 PK			2.81 V	176	113.9	4.2
2	*5230.00	106.3 AV			2.81 V	176	102.1	4.2
3	5350.00	68.3 PK	74.0	-5.7	2.81 V	176	64.0	4.3
4	5350.00	53.3 AV	54.0	-0.7	2.81 V	176	49.0	4.3
5	#10460.00	47.8 PK	68.2	-20.4	1.50 V	67	34.0	13.8
6	15690.00	59.6 PK	74.0	-14.4	1.62 V	113	45.8	13.8
7	15690.00	46.8 AV	54.0	-7.2	1.62 V	113	33.0	13.8

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.
6. " # ": The radiated frequency is out of the restricted band.

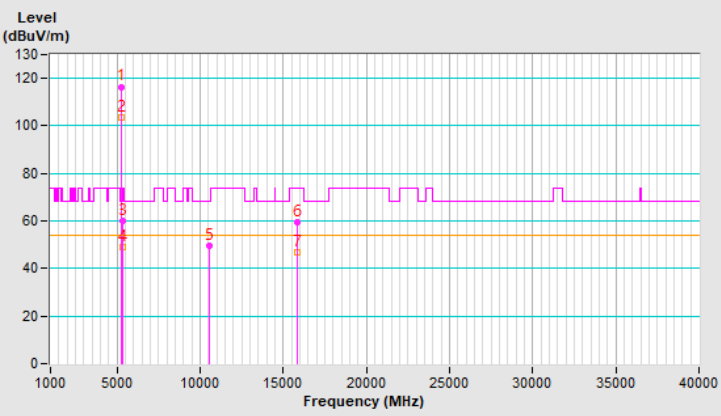


RF Mode	TX 802.11ax (HE40)	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	116.5 PK			1.36 H	205	112.5	4.0
2	*5270.00	103.7 AV			1.36 H	205	99.7	4.0
3	5351.72	60.2 PK	74.0	-13.8	1.36 H	205	55.9	4.3
4	5351.72	49.1 AV	54.0	-4.9	1.36 H	205	44.8	4.3
5	#10540.00	49.4 PK	68.2	-18.8	1.56 H	129	35.6	13.8
6	15810.00	59.7 PK	74.0	-14.3	1.46 H	30	46.1	13.6
7	15810.00	46.8 AV	54.0	-7.2	1.46 H	30	33.2	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

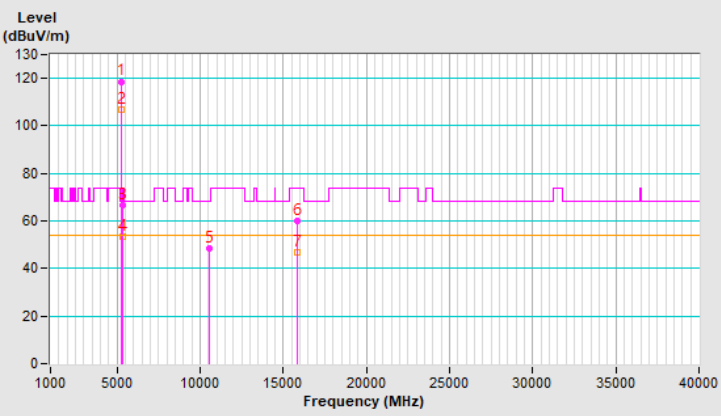


RF Mode	TX 802.11ax (HE40)	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	118.7 PK			2.09 V	184	114.7	4.0
2	*5270.00	106.8 AV			2.09 V	184	102.8	4.0
3	5351.72	66.7 PK	74.0	-7.3	2.09 V	184	62.4	4.3
4	5351.72	53.2 AV	54.0	-0.8	2.09 V	184	48.9	4.3
5	#10540.00	48.4 PK	68.2	-19.8	1.51 V	74	34.6	13.8
6	15810.00	59.8 PK	74.0	-14.2	1.57 V	118	46.2	13.6
7	15810.00	47.0 AV	54.0	-7.0	1.57 V	118	33.4	13.6

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.
6. " # ": The radiated frequency is out of the restricted band.

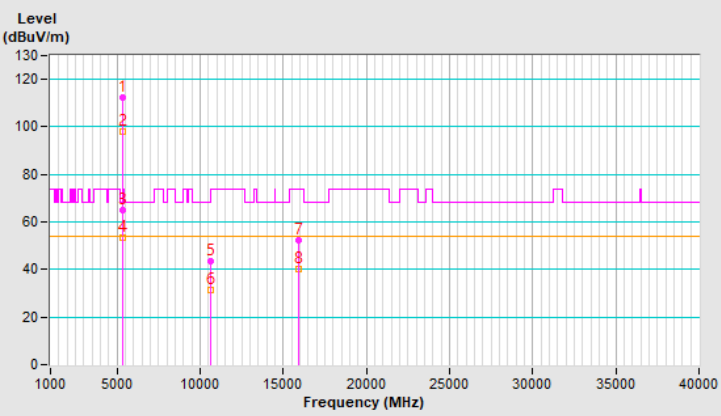


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	112.3 PK			1.59 H	208	108.2	4.1
2	*5310.00	98.2 AV			1.59 H	208	94.1	4.1
3	5350.00	64.9 PK	74.0	-9.1	1.59 H	208	60.6	4.3
4	5350.00	53.3 AV	54.0	-0.7	1.59 H	208	49.0	4.3
5	10620.00	43.6 PK	74.0	-30.4	1.47 H	140	29.8	13.8
6	10620.00	31.6 AV	54.0	-22.4	1.47 H	140	17.8	13.8
7	15930.00	52.3 PK	74.0	-21.7	1.45 H	60	38.5	13.8
8	15930.00	40.2 AV	54.0	-13.8	1.45 H	60	26.4	13.8

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.

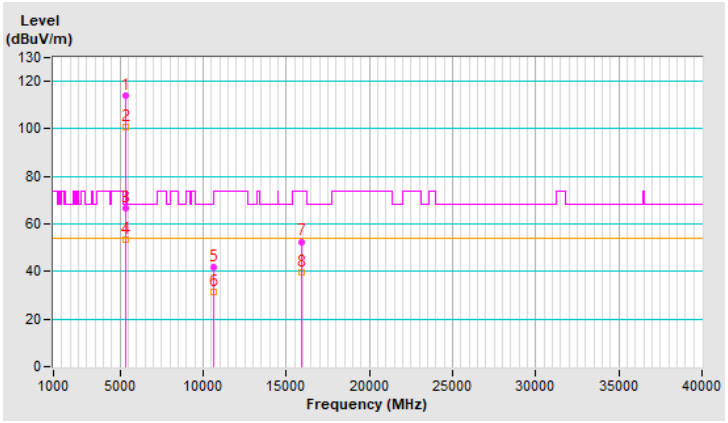


RF Mode	TX 802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	113.9 PK			2.85 V	175	109.8	4.1
2	*5310.00	100.6 AV			2.85 V	175	96.5	4.1
3	5350.00	66.7 PK	74.0	-7.3	2.85 V	175	62.4	4.3
4	5350.00	53.4 AV	54.0	-0.6	2.85 V	175	49.1	4.3
5	10620.00	41.8 PK	74.0	-32.2	1.73 V	91	28.0	13.8
6	10620.00	31.5 AV	54.0	-22.5	1.73 V	91	17.7	13.8
7	15930.00	52.6 PK	74.0	-21.4	1.67 V	62	38.8	13.8
8	15930.00	39.8 AV	54.0	-14.2	1.67 V	62	26.0	13.8

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.

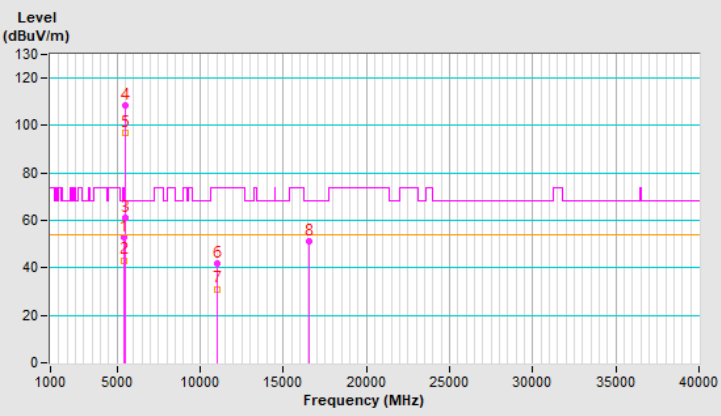


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	53.0 PK	74.0	-21.0	1.93 H	212	48.6	4.4
2	5460.00	43.2 AV	54.0	-10.8	1.93 H	212	38.8	4.4
3	#5470.00	61.0 PK	68.2	-7.2	1.93 H	212	56.6	4.4
4	*5510.00	108.7 PK			1.93 H	212	104.1	4.6
5	*5510.00	96.8 AV			1.93 H	212	92.2	4.6
6	11020.00	41.7 PK	74.0	-32.3	1.52 H	152	27.4	14.3
7	11020.00	31.1 AV	54.0	-22.9	1.52 H	152	16.8	14.3
8	#16530.00	51.2 PK	68.2	-17.0	1.45 H	57	36.2	15.0

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.
6. " # ": The radiated frequency is out of the restricted band.

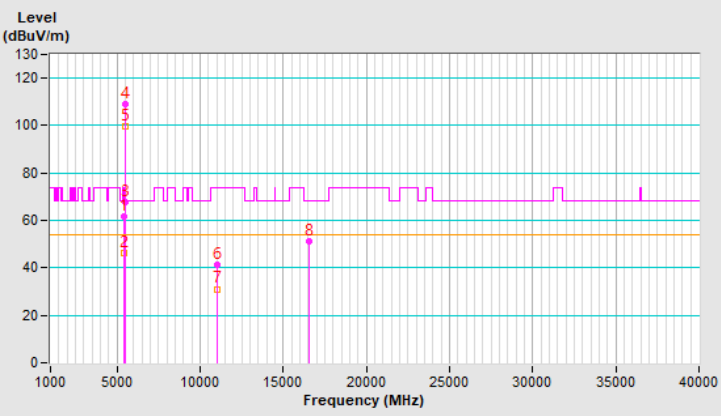


RF Mode	TX 802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.53 V	231	57.4	4.4
2	5460.00	46.1 AV	54.0	-7.9	1.53 V	231	41.7	4.4
3	#5470.00	67.6 PK	68.2	-0.6	1.53 V	231	63.2	4.4
4	*5510.00	109.0 PK			1.53 V	231	104.4	4.6
5	*5510.00	99.8 AV			1.53 V	231	95.2	4.6
6	11020.00	41.1 PK	74.0	-32.9	1.61 V	47	26.8	14.3
7	11020.00	31.1 AV	54.0	-22.9	1.61 V	47	16.8	14.3
8	#16530.00	51.1 PK	68.2	-17.1	1.43 V	20	36.1	15.0

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.
6. " # ": The radiated frequency is out of the restricted band.

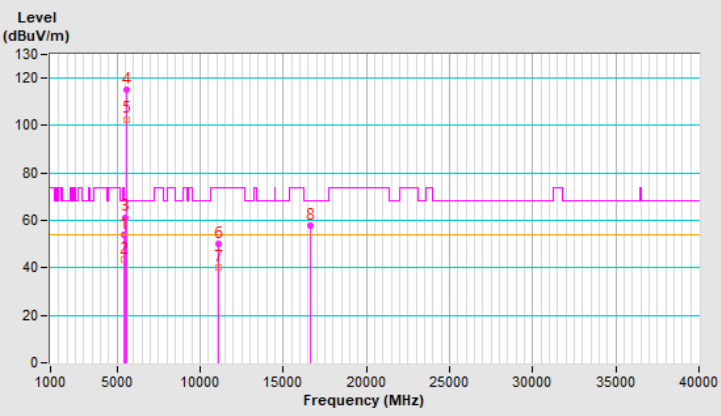


RF Mode	TX 802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	54.2 PK	74.0	-19.8	2.39 H	306	49.8	4.4
2	5460.00	43.6 AV	54.0	-10.4	2.39 H	306	39.2	4.4
3	#5470.00	61.4 PK	68.2	-6.8	2.39 H	306	57.0	4.4
4	*5550.00	115.2 PK			2.39 H	306	110.7	4.5
5	*5550.00	102.7 AV			2.39 H	306	98.2	4.5
6	11100.00	50.2 PK	74.0	-23.8	1.60 H	158	36.0	14.2
7	11100.00	40.3 AV	54.0	-13.7	1.60 H	158	26.1	14.2
8	#16650.00	57.8 PK	68.2	-10.4	2.95 H	143	42.1	15.7

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.
6. " # ": The radiated frequency is out of the restricted band.

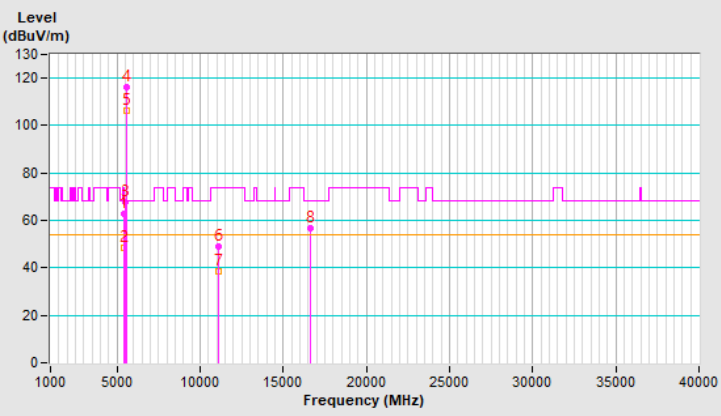


RF Mode	TX 802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.6 PK	74.0	-11.4	1.68 V	228	58.2	4.4
2	5460.00	48.3 AV	54.0	-5.7	1.68 V	228	43.9	4.4
3	#5470.00	67.9 PK	68.2	-0.3	1.68 V	228	63.5	4.4
4	*5550.00	116.2 PK			1.68 V	228	111.7	4.5
5	*5550.00	106.1 AV			1.68 V	228	101.6	4.5
6	11100.00	49.2 PK	74.0	-24.8	1.59 V	65	35.0	14.2
7	11100.00	38.4 AV	54.0	-15.6	1.59 V	65	24.2	14.2
8	#16650.00	56.5 PK	68.2	-11.7	1.43 V	32	40.8	15.7

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.
6. " # ": The radiated frequency is out of the restricted band.

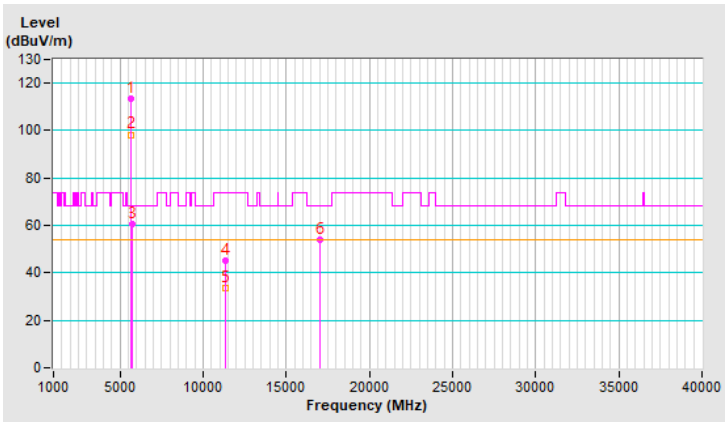


RF Mode	TX 802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.2 PK			1.74 H	212	108.6	4.6
2	*5670.00	98.3 AV			1.74 H	212	93.7	4.6
3	#5725.00	60.8 PK	68.2	-7.4	1.74 H	212	56.1	4.7
4	11340.00	44.9 PK	74.0	-29.1	1.62 H	110	30.2	14.7
5	11340.00	33.7 AV	54.0	-20.3	1.62 H	110	19.0	14.7
6	#17010.00	54.2 PK	68.2	-14.0	2.97 H	138	36.4	17.8

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.
6. " # ": The radiated frequency is out of the restricted band.

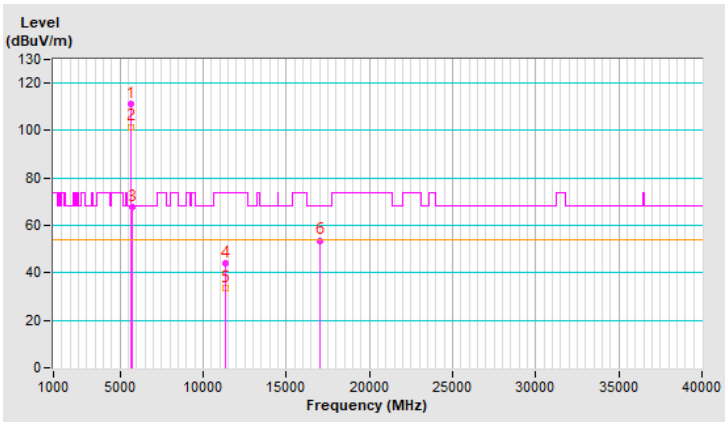


RF Mode	TX 802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.3 PK			1.42 V	196	106.7	4.6
2	*5670.00	101.6 AV			1.42 V	196	97.0	4.6
3	#5725.00	67.5 PK	68.2	-0.7	1.42 V	196	62.8	4.7
4	11340.00	44.0 PK	74.0	-30.0	1.64 V	71	29.3	14.7
5	11340.00	33.5 AV	54.0	-20.5	1.64 V	71	18.8	14.7
6	#17010.00	53.7 PK	68.2	-14.5	1.53 V	38	35.9	17.8

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.
6. " # ": The radiated frequency is out of the restricted band.

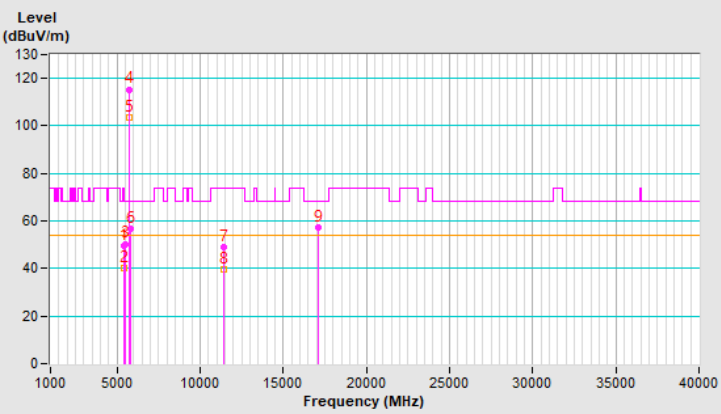


RF Mode	TX 802.11ax (HE40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.8 PK	74.0	-24.2	1.71 H	306	45.4	4.4
2	5460.00	40.1 AV	54.0	-13.9	1.71 H	306	35.7	4.4
3	#5470.00	50.4 PK	68.2	-17.8	1.71 H	306	46.0	4.4
4	*5710.00	115.4 PK			1.71 H	306	110.8	4.6
5	*5710.00	103.3 AV			1.71 H	306	98.7	4.6
6	#5850.00	56.9 PK	68.2	-11.3	1.71 H	306	51.8	5.1
7	11420.00	49.1 PK	74.0	-24.9	1.50 H	112	34.4	14.7
8	11420.00	39.4 AV	54.0	-14.6	1.50 H	112	24.7	14.7
9	#17130.00	57.2 PK	68.2	-11.0	3.01 H	160	39.3	17.9

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.
6. " # ": The radiated frequency is out of the restricted band.

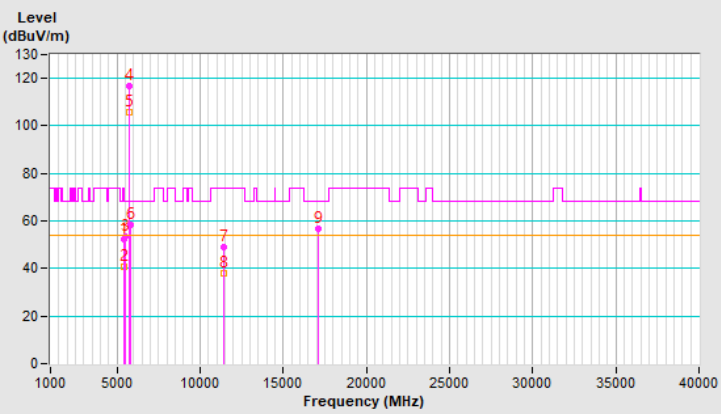


RF Mode	TX 802.11ax (HE40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.3 PK	74.0	-21.7	1.64 V	202	47.9	4.4
2	5460.00	40.9 AV	54.0	-13.1	1.64 V	202	36.5	4.4
3	#5470.00	53.2 PK	68.2	-15.0	1.64 V	202	48.8	4.4
4	*5710.00	116.7 PK			1.64 V	202	112.1	4.6
5	*5710.00	105.6 AV			1.64 V	202	101.0	4.6
6	#5850.00	58.5 PK	68.2	-9.7	1.64 V	202	53.4	5.1
7	11420.00	48.9 PK	74.0	-25.1	1.56 V	56	34.2	14.7
8	11420.00	38.1 AV	54.0	-15.9	1.56 V	56	23.4	14.7
9	#17130.00	56.5 PK	68.2	-11.7	1.42 V	21	38.6	17.9

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.
6. " # ": The radiated frequency is out of the restricted band.

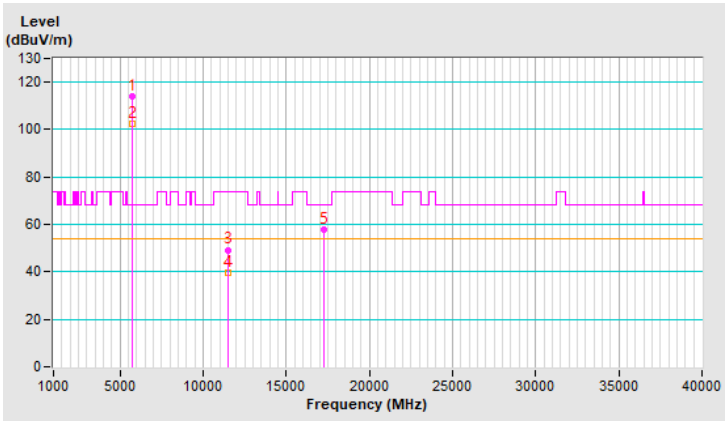


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5755.00	113.9 PK			1.77 H	301	109.0	4.9
2	*5755.00	102.3 AV			1.77 H	301	97.4	4.9
3	11510.00	49.3 PK	74.0	-24.7	1.41 H	164	34.5	14.8
4	11510.00	39.4 AV	54.0	-14.6	1.41 H	164	24.6	14.8
5	#17265.00	57.8 PK	68.2	-10.4	1.58 H	360	39.6	18.2

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.
6. " # ": The radiated frequency is out of the restricted band.

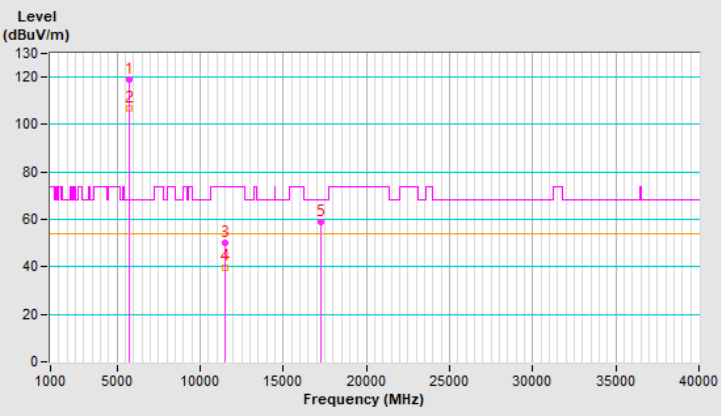


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5755.00	118.8 PK			1.48 V	207	113.9	4.9
2	*5755.00	106.8 AV			1.48 V	207	101.9	4.9
3	11510.00	50.1 PK	74.0	-23.9	2.57 V	322	35.3	14.8
4	11510.00	39.9 AV	54.0	-14.1	2.57 V	322	25.1	14.8
5	#17265.00	58.7 PK	68.2	-9.5	1.53 V	360	40.5	18.2

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.
6. " # ": The radiated frequency is out of the restricted band.

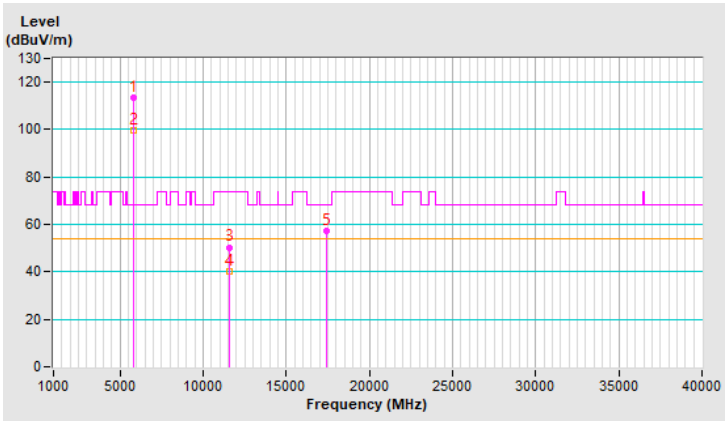


RF Mode	TX 802.11ax (HE40)	**Channel**	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5795.00	113.6 PK			1.67 H	219	108.6	5.0
2	*5795.00	99.6 AV			1.67 H	219	94.6	5.0
3	11590.00	50.4 PK	74.0	-23.6	1.51 H	141	35.3	15.1
4	11590.00	40.3 AV	54.0	-13.7	1.51 H	141	25.2	15.1
5	#17385.00	57.5 PK	68.2	-10.7	1.54 H	349	38.7	18.8

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.
6. " # ": The radiated frequency is out of the restricted band.

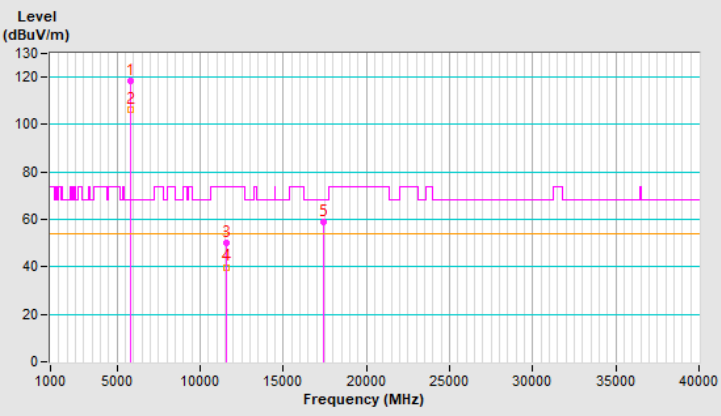


RF Mode	TX 802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	118.5 PK			1.53 V	201	113.5	5.0
2	*5795.00	106.5 AV			1.53 V	201	101.5	5.0
3	11590.00	50.1 PK	74.0	-23.9	2.55 V	290	35.0	15.1
4	11590.00	39.9 AV	54.0	-14.1	2.55 V	290	24.8	15.1
5	#17385.00	59.0 PK	68.2	-9.2	1.60 V	360	40.2	18.8

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.
6. " # ": The radiated frequency is out of the restricted band.

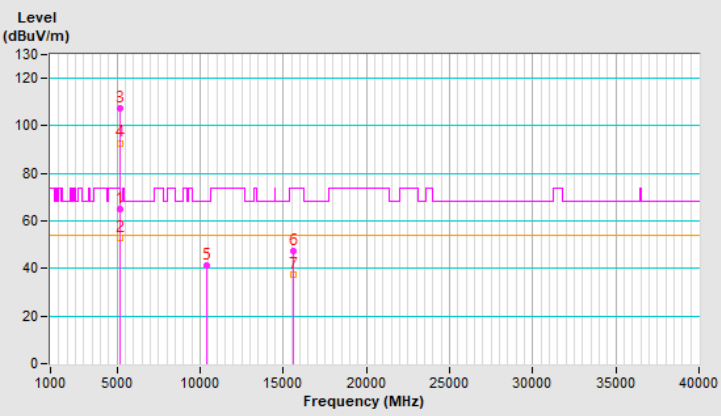


RF Mode	TX 802.11ax (HE80)	**Channel**	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	65.1 PK	74.0	-8.9	1.70 H	201	60.5	4.6
2	5150.00	52.9 AV	54.0	-1.1	1.70 H	201	48.3	4.6
3	*5210.00	107.4 PK			1.70 H	201	103.1	4.3
4	*5210.00	92.8 AV			1.70 H	201	88.5	4.3
5	#10420.00	41.1 PK	68.2	-27.1	1.53 H	142	27.4	13.7
6	15630.00	47.1 PK	74.0	-26.9	1.42 H	55	33.2	13.9
7	15630.00	37.4 AV	54.0	-16.6	1.42 H	55	23.5	13.9

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.
6. " # ": The radiated frequency is out of the restricted band.

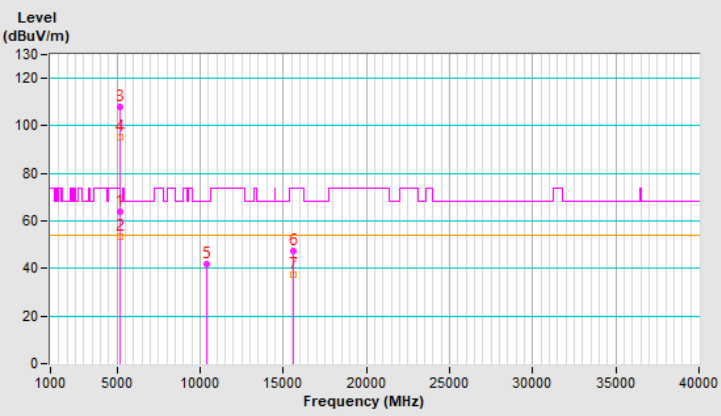


RF Mode	TX 802.11ax (HE80)	**Channel**	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	63.7 PK	74.0	-10.3	2.83 V	180	59.1	4.6
2	5150.00	53.2 AV	54.0	-0.8	2.83 V	180	48.6	4.6
3	*5210.00	107.7 PK			2.83 V	180	103.4	4.3
4	*5210.00	95.2 AV			2.83 V	180	90.9	4.3
5	#10420.00	41.7 PK	68.2	-26.5	1.48 V	76	28.0	13.7
6	15630.00	47.3 PK	74.0	-26.7	1.70 V	89	33.4	13.9
7	15630.00	37.4 AV	54.0	-16.6	1.70 V	89	23.5	13.9

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.
6. " # ": The radiated frequency is out of the restricted band.

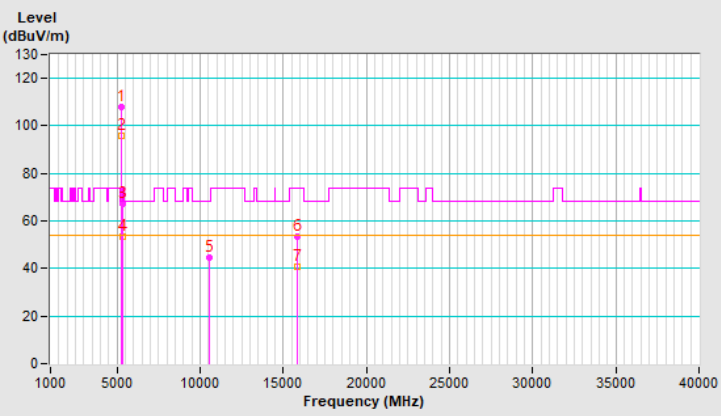


RF Mode	TX 802.11ax (HE80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5290.00	107.9 PK			1.44 H	200	103.9	4.0
2	*5290.00	95.6 AV			1.44 H	200	91.6	4.0
3	5350.00	67.3 PK	74.0	-6.7	1.44 H	200	63.0	4.3
4	5350.00	53.6 AV	54.0	-0.4	1.44 H	200	49.3	4.3
5	#10580.00	44.6 PK	68.2	-23.6	1.55 H	126	30.8	13.8
6	15870.00	53.3 PK	74.0	-20.7	1.54 H	50	39.5	13.8
7	15870.00	40.8 AV	54.0	-13.2	1.54 H	50	27.0	13.8

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.
6. " # ": The radiated frequency is out of the restricted band.

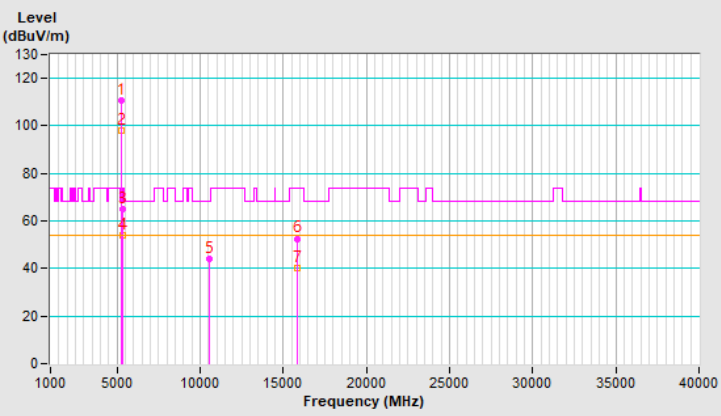


RF Mode	TX 802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	110.7 PK			2.81 V	164	106.7	4.0
2	*5290.00	98.1 AV			2.81 V	164	94.1	4.0
3	5350.00	65.1 PK	74.0	-8.9	2.81 V	164	60.8	4.3
4	**5350.00**	**53.8 AV**	**54.0**	**-0.2**	**2.81 V**	**164**	**49.5**	**4.3**
5	#10580.00	44.2 PK	68.2	-24.0	1.72 V	79	30.4	13.8
6	15870.00	52.6 PK	74.0	-21.4	1.63 V	71	38.8	13.8
7	15870.00	40.3 AV	54.0	-13.7	1.63 V	71	26.5	13.8

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.
6. " # ": The radiated frequency is out of the restricted band.

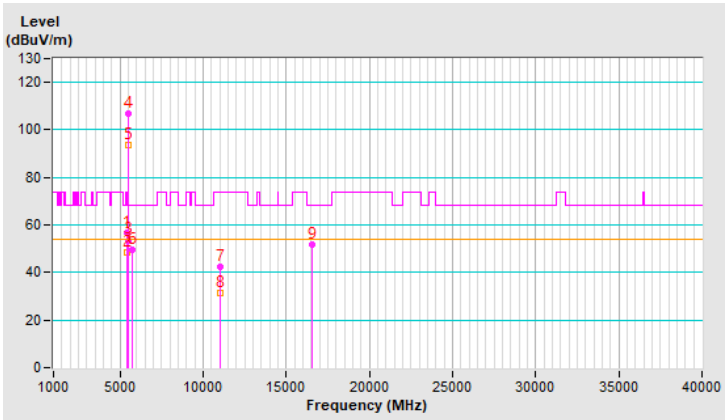


RF Mode	TX 802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.7 PK	74.0	-17.3	1.74 H	216	52.3	4.4
2	5460.00	48.2 AV	54.0	-5.8	1.74 H	216	43.8	4.4
3	#5470.00	53.7 PK	68.2	-14.5	1.74 H	216	49.3	4.4
4	*5530.00	106.6 PK			1.74 H	216	102.1	4.5
5	*5530.00	93.6 AV			1.74 H	216	89.1	4.5
6	#5725.00	49.6 PK	68.2	-18.6	1.74 H	216	44.9	4.7
7	11060.00	42.3 PK	74.0	-31.7	1.58 H	161	28.0	14.3
8	11060.00	31.4 AV	54.0	-22.6	1.58 H	161	17.1	14.3
9	#16590.00	51.6 PK	68.2	-16.6	1.51 H	52	36.4	15.2

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.
6. " # ": The radiated frequency is out of the restricted band.

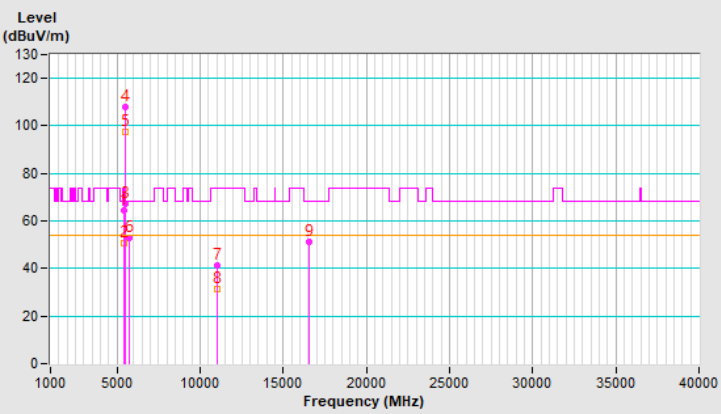


RF Mode	TX 802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.4 PK	74.0	-9.6	1.26 V	193	60.0	4.4
2	5460.00	50.8 AV	54.0	-3.2	1.26 V	193	46.4	4.4
3	#5461.60	67.4 PK	68.2	-0.8	1.26 V	193	63.0	4.4
4	*5530.00	107.9 PK			1.26 V	193	103.4	4.5
5	*5530.00	97.3 AV			1.26 V	193	92.8	4.5
6	#5725.00	53.0 PK	68.2	-15.2	1.26 V	193	48.3	4.7
7	11060.00	41.1 PK	74.0	-32.9	1.57 V	45	26.8	14.3
8	11060.00	31.2 AV	54.0	-22.8	1.57 V	45	16.9	14.3
9	#16590.00	51.3 PK	68.2	-16.9	1.49 V	8	36.1	15.2

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.
6. " # ": The radiated frequency is out of the restricted band.

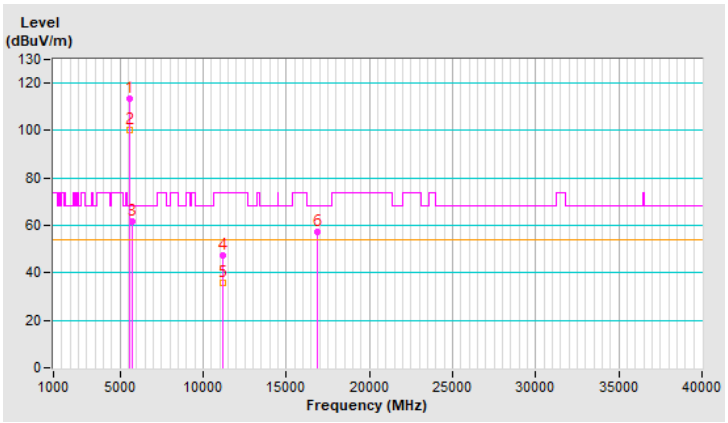


RF Mode	TX 802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.5 PK			1.74 H	213	108.9	4.6
2	*5610.00	100.3 AV			1.74 H	213	95.7	4.6
3	#5725.00	61.9 PK	68.2	-6.3	1.74 H	213	57.2	4.7
4	11220.00	47.5 PK	74.0	-26.5	1.60 H	155	33.1	14.4
5	11220.00	35.9 AV	54.0	-18.1	1.60 H	155	21.5	14.4
6	#16830.00	57.4 PK	68.2	-10.8	2.98 H	152	40.3	17.1

Remarks:

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

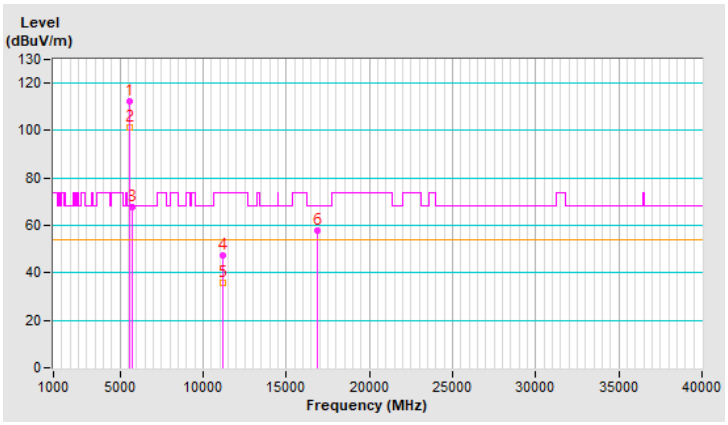


RF Mode	TX 802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	112.3 PK			1.00 V	185	107.7	4.6
2	*5610.00	101.2 AV			1.00 V	185	96.6	4.6
3	#5725.00	67.9 PK	68.2	-0.3	1.00 V	185	63.2	4.7
4	11220.00	47.2 PK	74.0	-26.8	1.64 V	65	32.8	14.4
5	11220.00	35.6 AV	54.0	-18.4	1.64 V	65	21.2	14.4
6	#16830.00	57.8 PK	68.2	-10.4	1.47 V	30	40.7	17.1

Remarks:

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

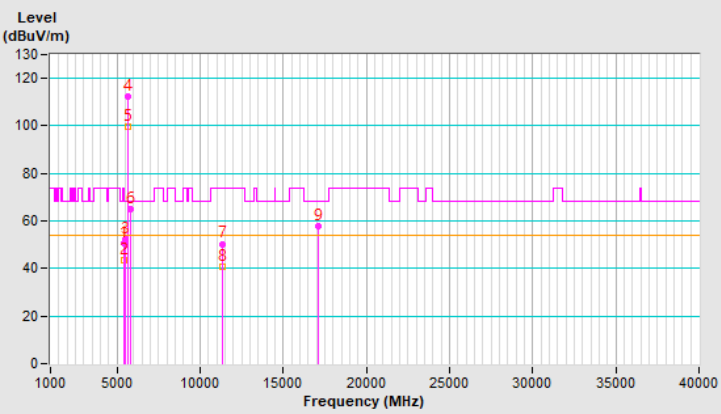


RF Mode	TX 802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.78 H	308	46.2	4.4
2	5460.00	43.4 AV	54.0	-10.6	1.78 H	308	39.0	4.4
3	#5470.00	52.1 PK	68.2	-16.1	1.78 H	308	47.7	4.4
4	*5690.00	112.2 PK			1.78 H	308	107.8	4.4
5	*5690.00	99.8 AV			1.78 H	308	95.4	4.4
6	#5850.00	64.9 PK	68.2	-3.3	1.78 H	308	59.8	5.1
7	11380.00	50.4 PK	74.0	-23.6	1.52 H	110	35.7	14.7
8	11380.00	40.5 AV	54.0	-13.5	1.52 H	110	25.8	14.7
9	#17070.00	57.8 PK	68.2	-10.4	3.00 H	145	39.8	18.0

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.
6. " # ": The radiated frequency is out of the restricted band.

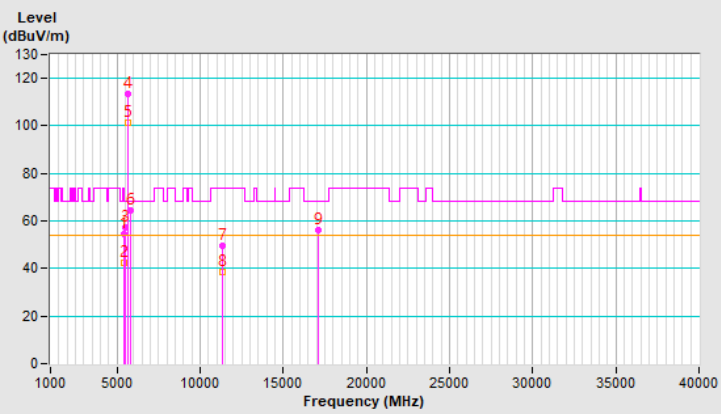


RF Mode	TX 802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	54.7 PK	74.0	-19.3	1.60 V	190	50.3	4.4
2	5460.00	42.2 AV	54.0	-11.8	1.60 V	190	37.8	4.4
3	#5470.00	57.5 PK	68.2	-10.7	1.60 V	190	53.1	4.4
4	*5690.00	113.7 PK			1.60 V	190	109.3	4.4
5	*5690.00	101.5 AV			1.60 V	190	97.1	4.4
6	#5850.00	64.3 PK	68.2	-3.9	1.60 V	190	59.2	5.1
7	11380.00	49.4 PK	74.0	-24.6	1.55 V	67	34.7	14.7
8	11380.00	38.6 AV	54.0	-15.4	1.55 V	67	23.9	14.7
9	#17070.00	56.2 PK	68.2	-12.0	1.47 V	11	38.2	18.0

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.
6. " # ": The radiated frequency is out of the restricted band.

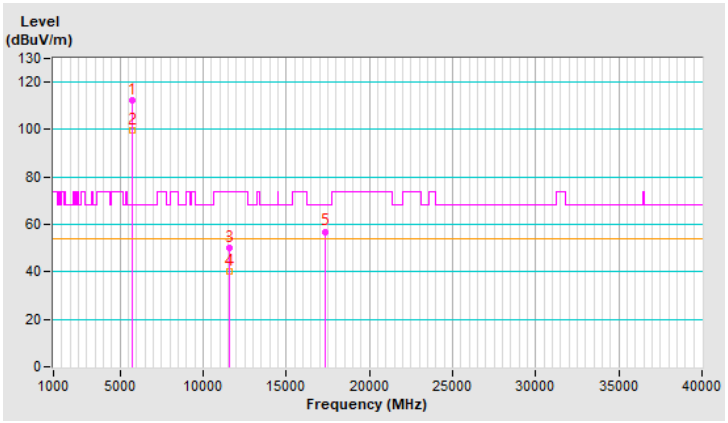


RF Mode	TX 802.11ax (HE80)	**Channel**	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24 °C, 67 % RH
Tested By	Ryan Du		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5775.00	112.4 PK			1.71 H	216	107.4	5.0
2	*5775.00	99.5 AV			1.71 H	216	94.5	5.0
3	11550.00	50.1 PK	74.0	-23.9	1.51 H	152	35.2	14.9
4	11550.00	40.0 AV	54.0	-14.0	1.51 H	152	25.1	14.9
5	#17325.00	57.0 PK	68.2	-11.2	1.62 H	334	38.5	18.5

Remarks:

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

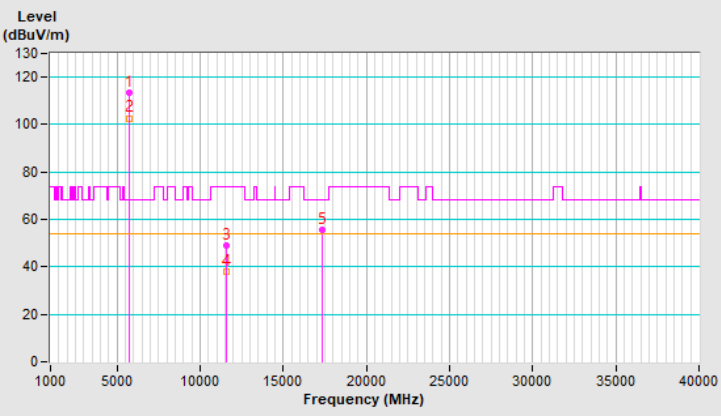


RF Mode	TX 802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 67 % RH
Tested By	Ryan Du		

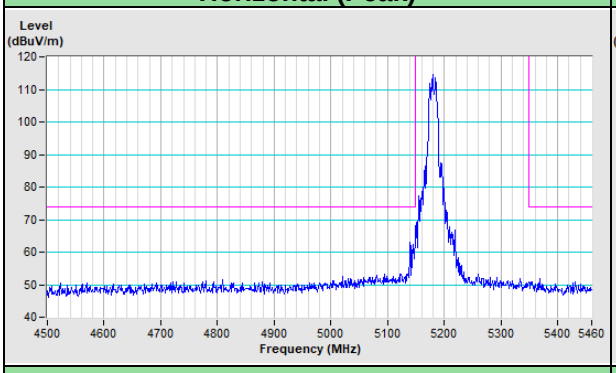
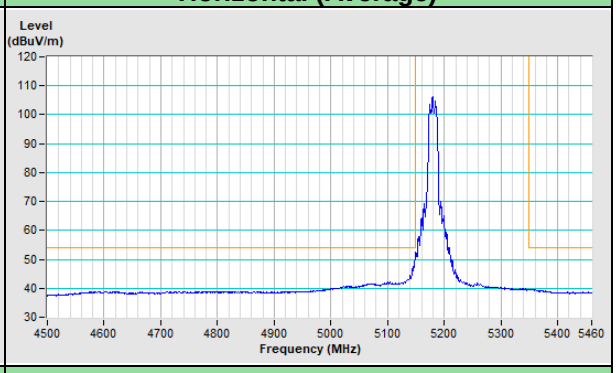
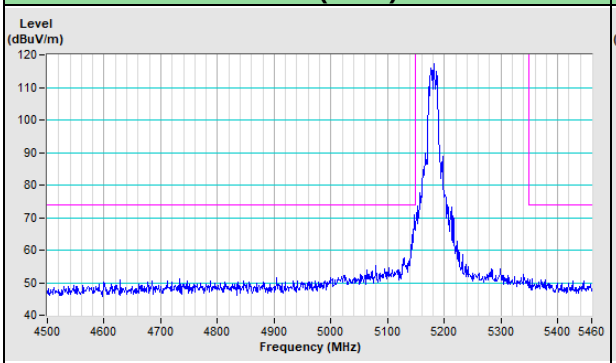
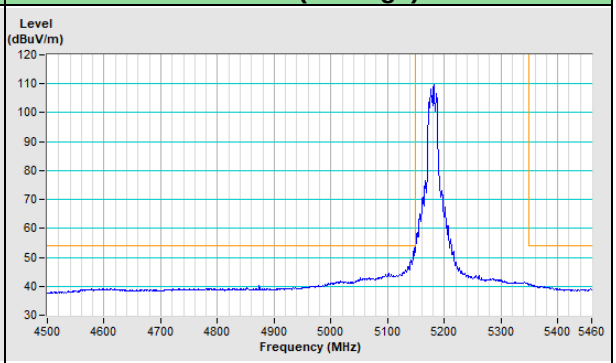
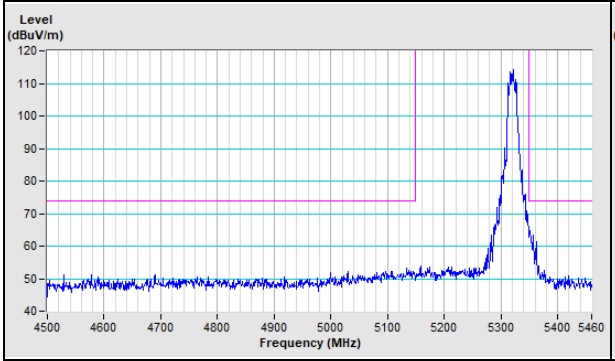
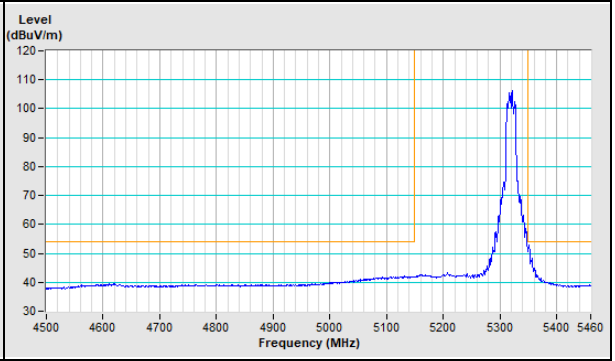
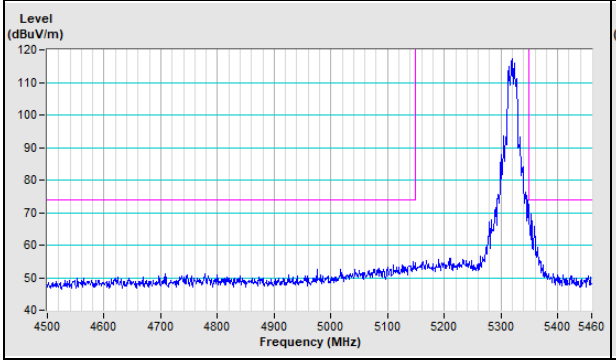
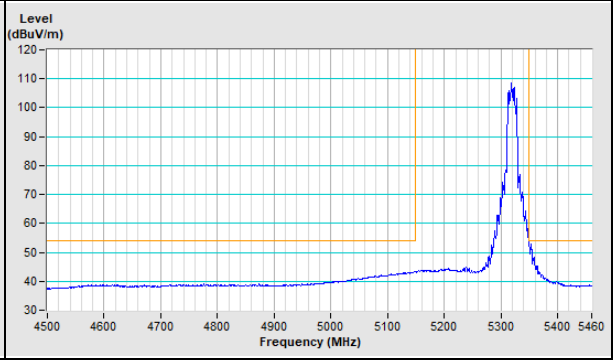
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	113.3 PK			1.57 V	183	108.3	5.0
2	*5775.00	102.7 AV			1.57 V	183	97.7	5.0
3	11550.00	49.0 PK	74.0	-25.0	2.51 V	298	34.1	14.9
4	11550.00	38.2 AV	54.0	-15.8	2.51 V	298	23.3	14.9
5	#17325.00	55.6 PK	68.2	-12.6	1.53 V	353	37.1	18.5

Remarks:

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

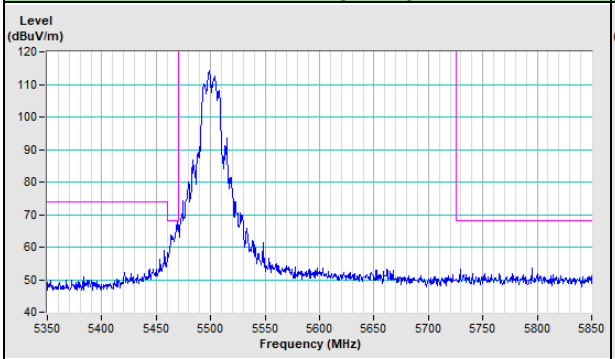


Plot of Band Edge

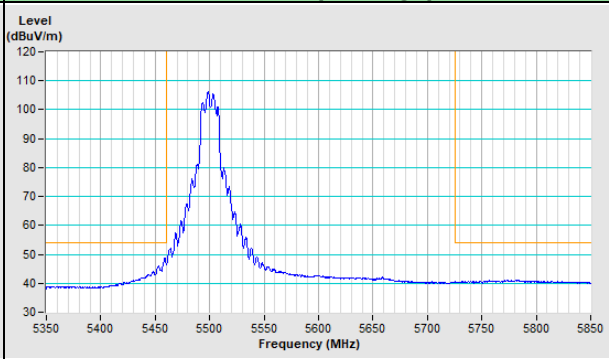
802.11a Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11a Channel 100

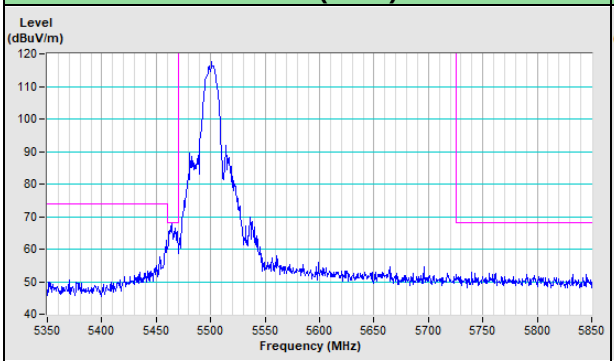
Horizontal (Peak)



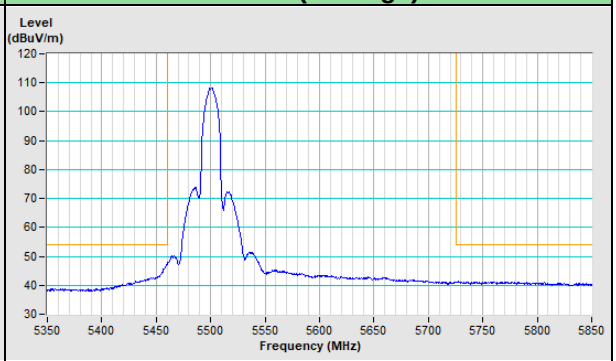
Horizontal (Average)



Vertical (Peak)

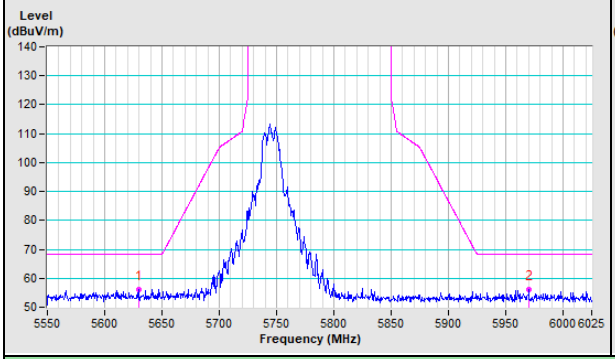


Vertical (Average)

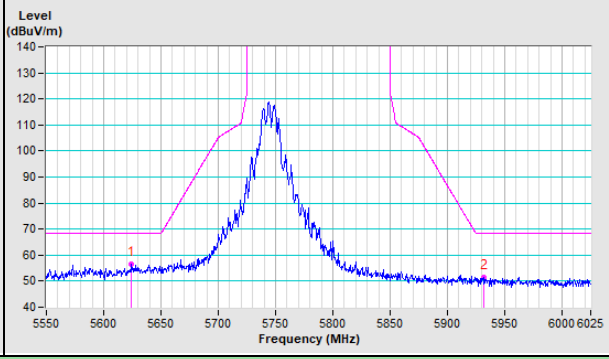


802.11a Channel 149

Horizontal (Peak)

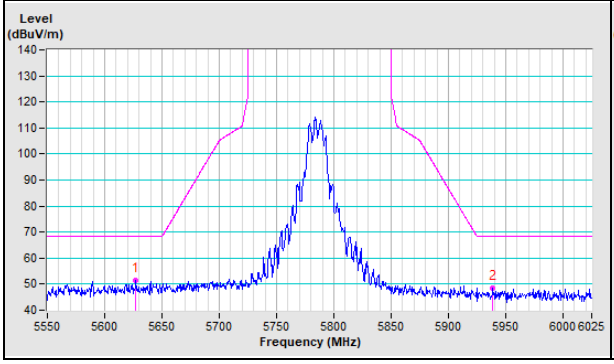


Vertical (Peak)

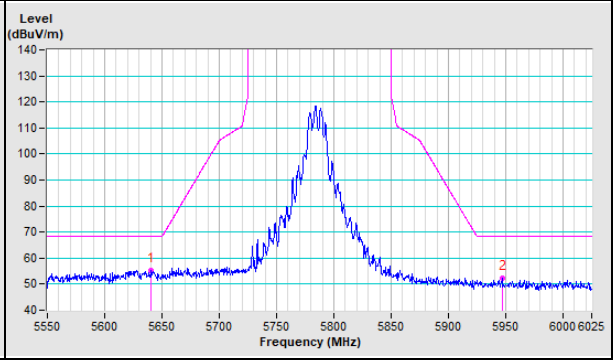


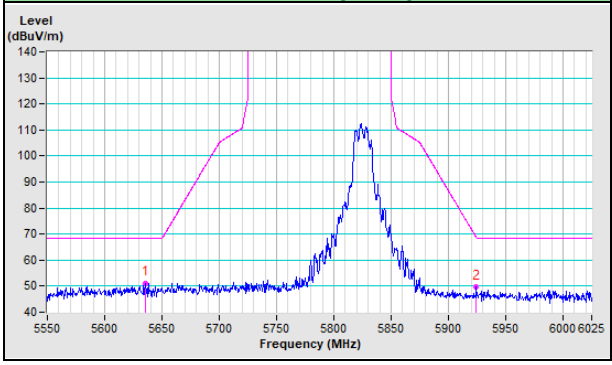
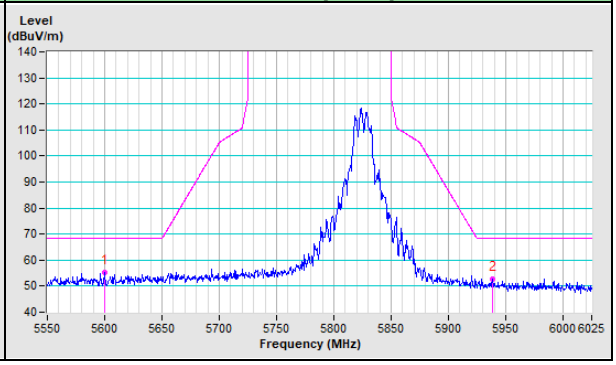
802.11a Channel 157

Horizontal (Peak)



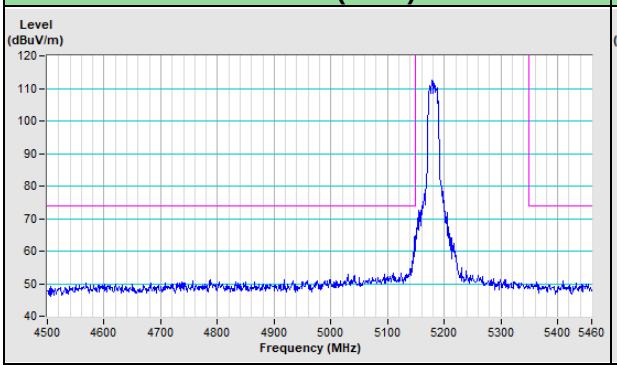
Vertical (Peak)



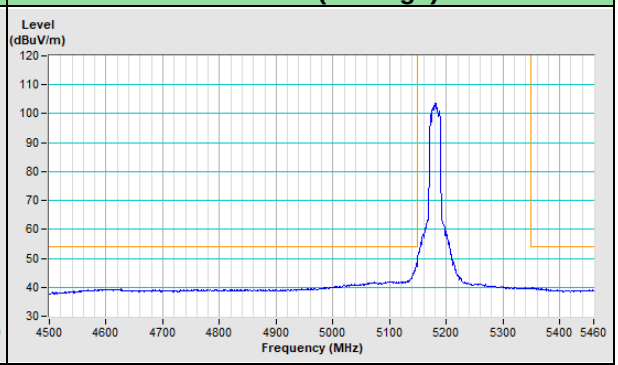
802.11a Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE20) Channel 36

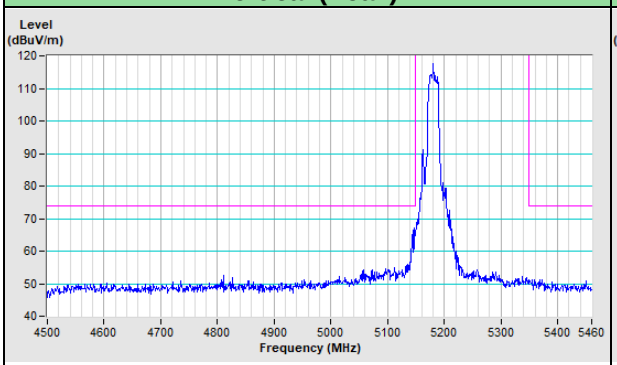
Horizontal (Peak)



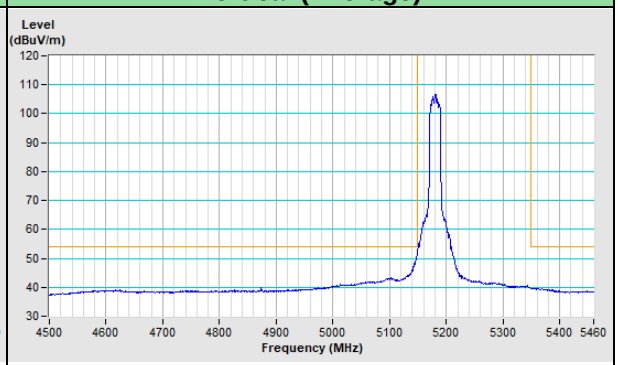
Horizontal (Average)



Vertical (Peak)

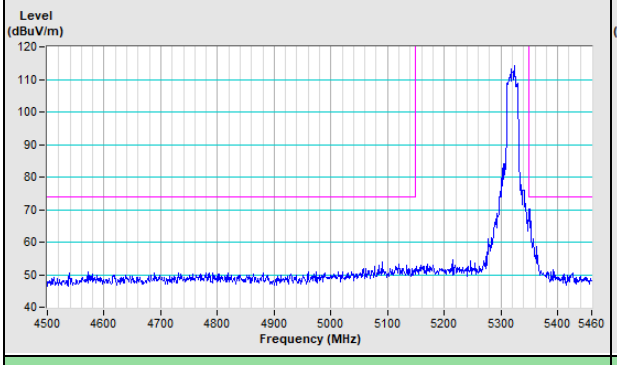


Vertical (Average)

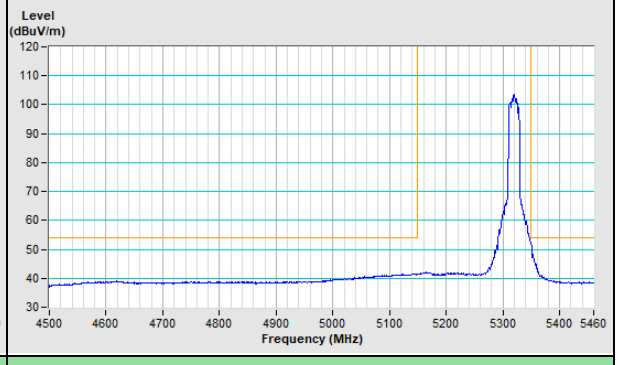


802.11ax (HE20) Channel 64

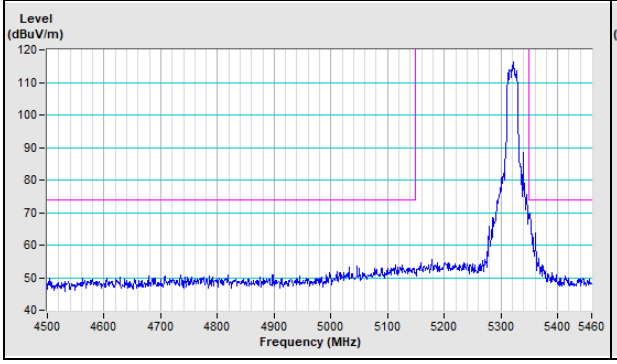
Horizontal (Peak)



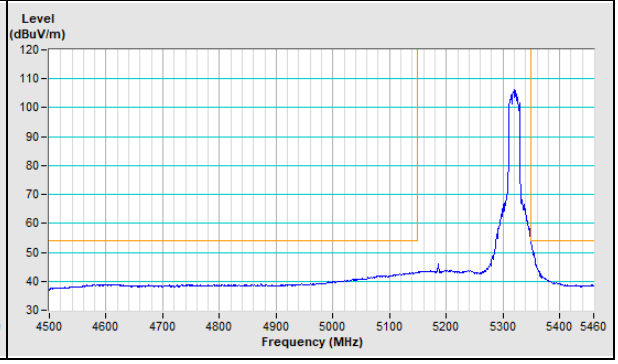
Horizontal (Average)



Vertical (Peak)

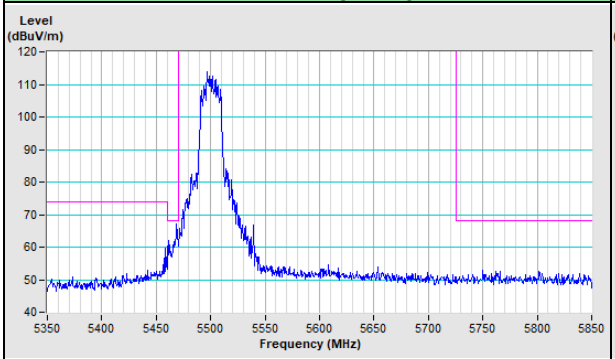


Vertical (Average)

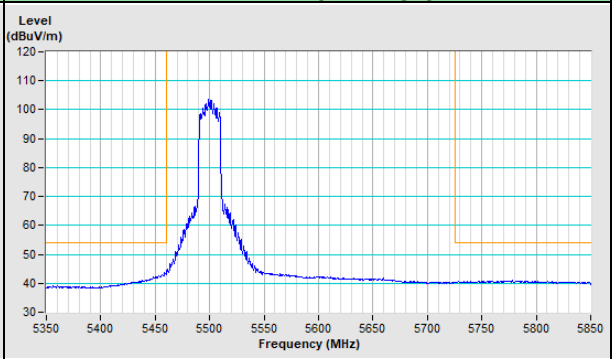


802.11ax (HE20) Channel 100

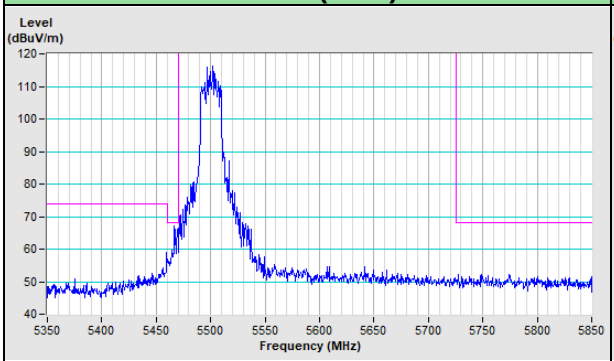
Horizontal (Peak)



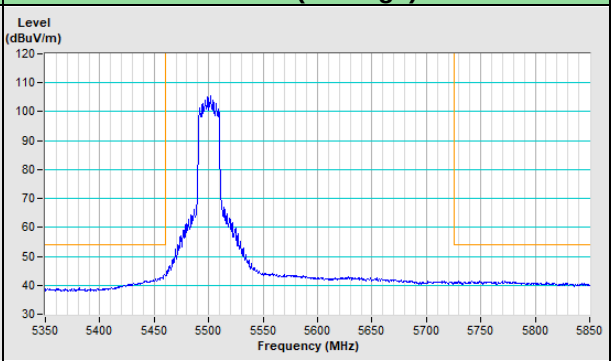
Horizontal (Average)



Vertical (Peak)

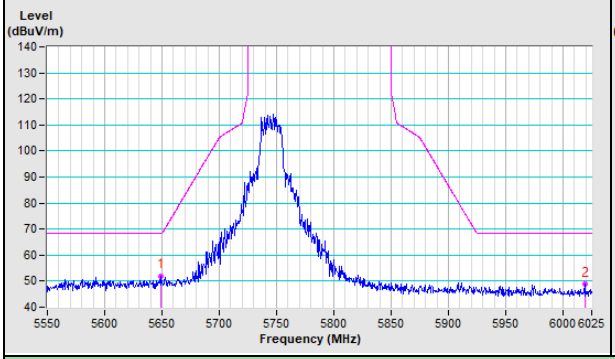


Vertical (Average)

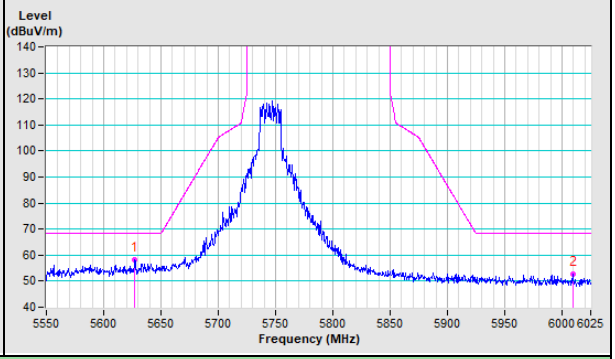


802.11ax (HE20) Channel 149

Horizontal (Peak)

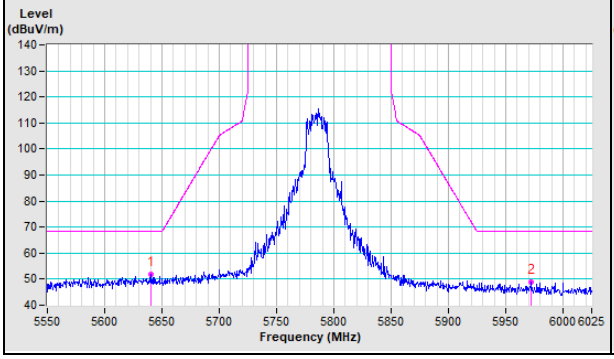


Vertical (Peak)

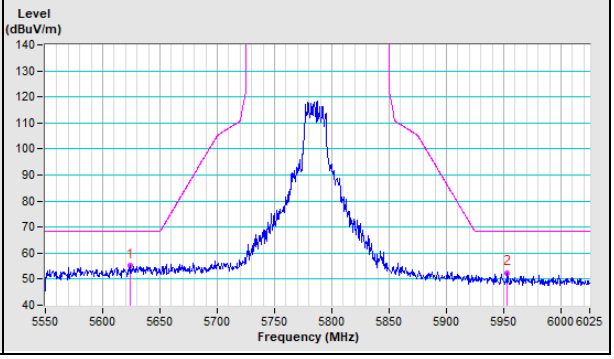


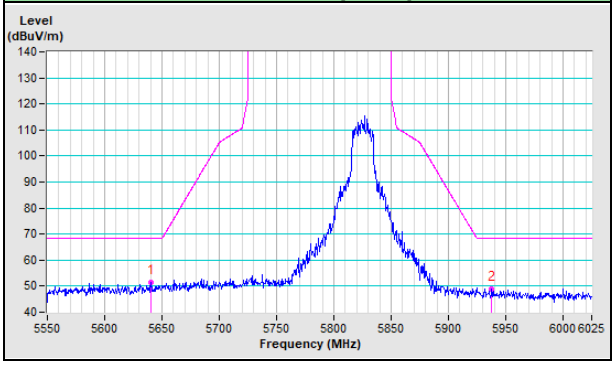
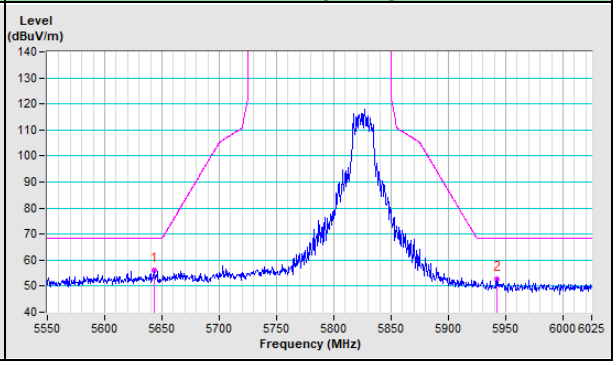
802.11ax (HE20) Channel 157

Horizontal (Peak)



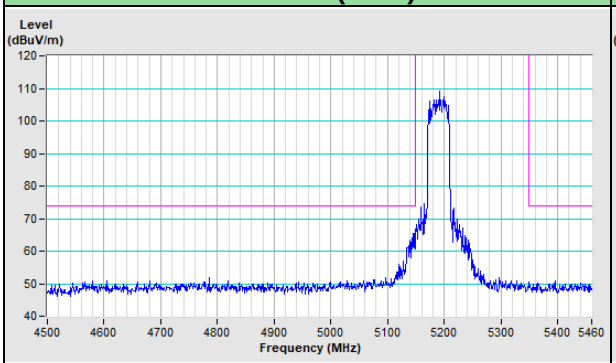
Vertical (Peak)



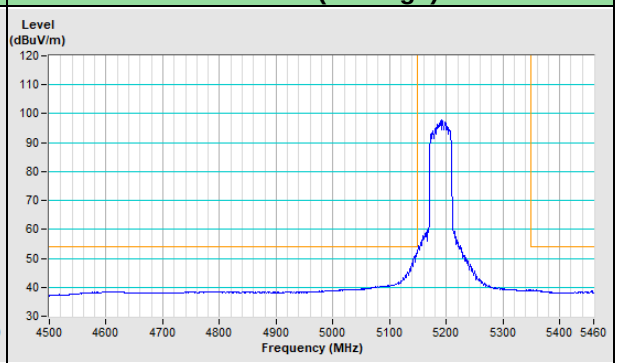
802.11ax (HE20) Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE40) Channel 38

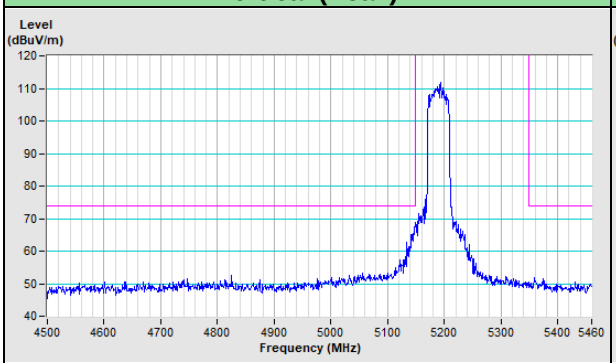
Horizontal (Peak)



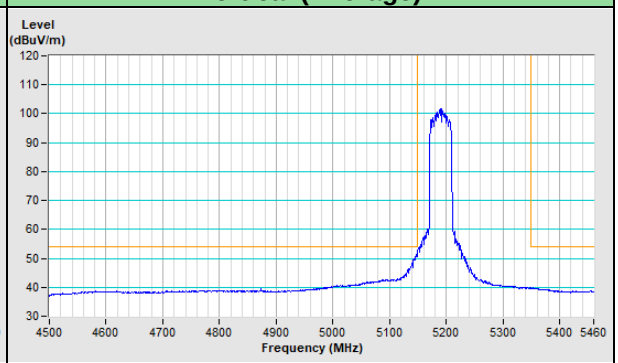
Horizontal (Average)



Vertical (Peak)

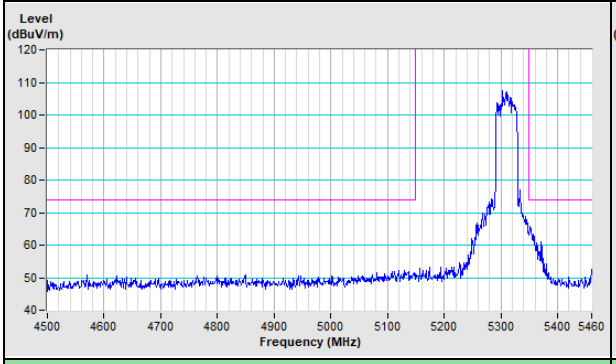


Vertical (Average)

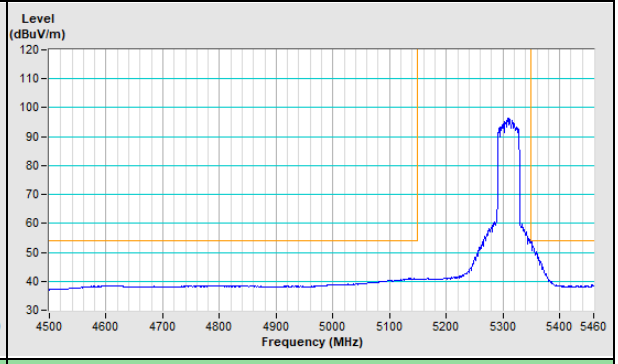


802.11ax (HE40) Channel 62

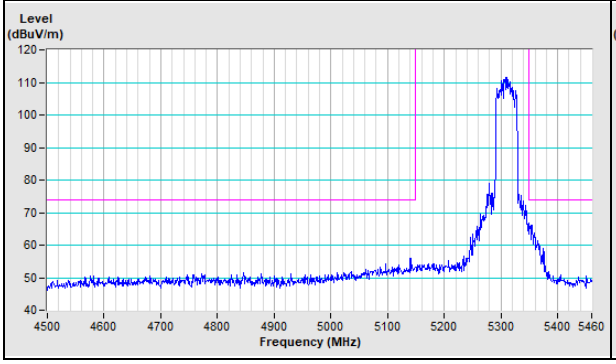
Horizontal (Peak)



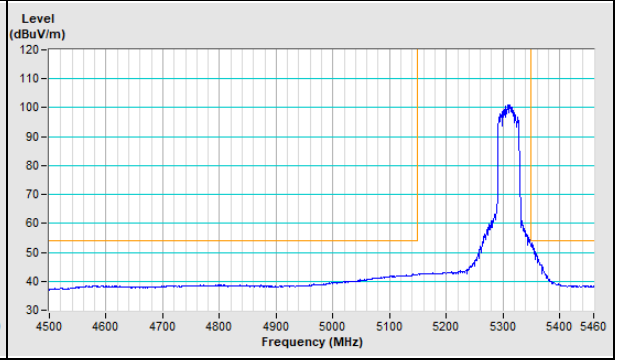
Horizontal (Average)



Vertical (Peak)

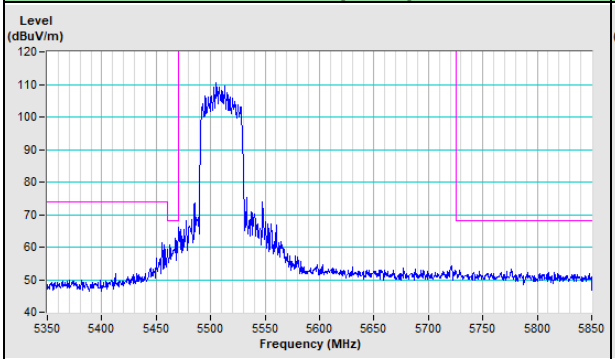


Vertical (Average)

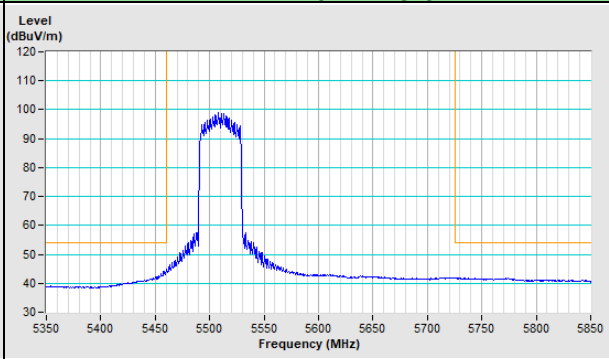


802.11ax (HE40) Channel 102

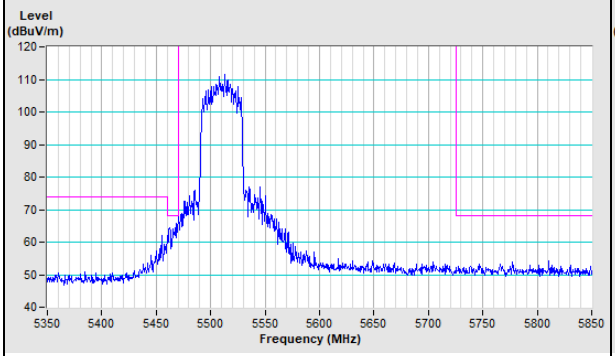
Horizontal (Peak)



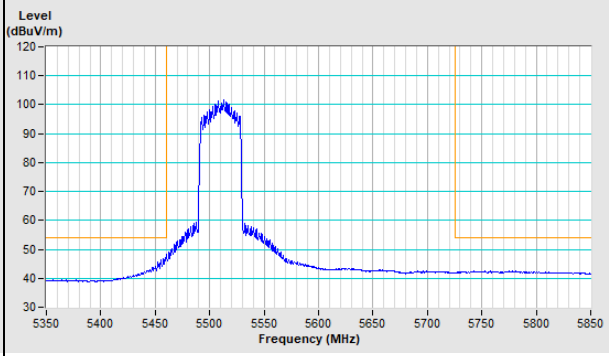
Horizontal (Average)



Vertical (Peak)

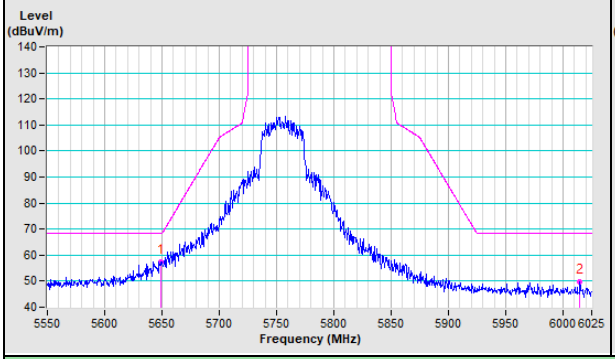


Vertical (Average)

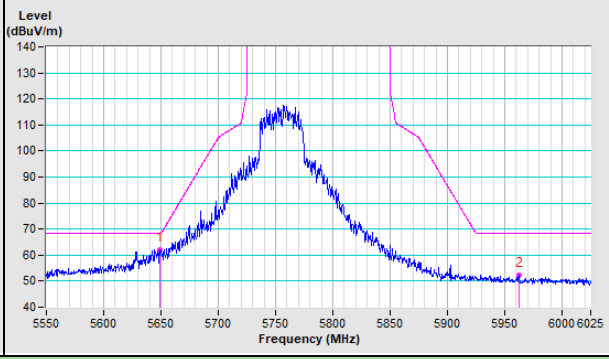


802.11ax (HE40) Channel 151

Horizontal (Peak)

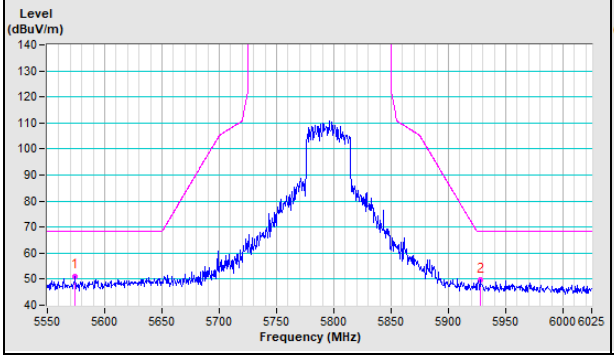


Vertical (Peak)

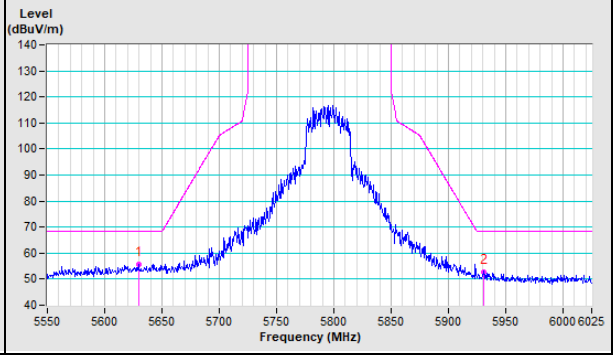


802.11ax (HE40) Channel 159

Horizontal (Peak)

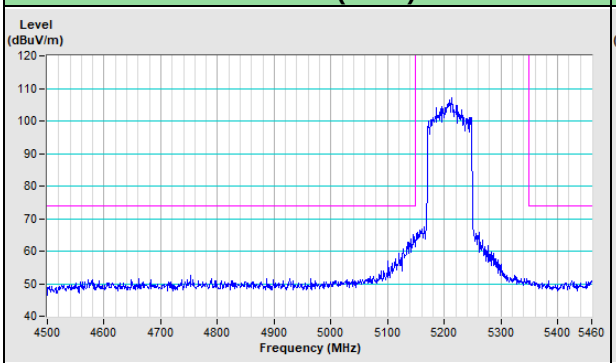


Vertical (Peak)

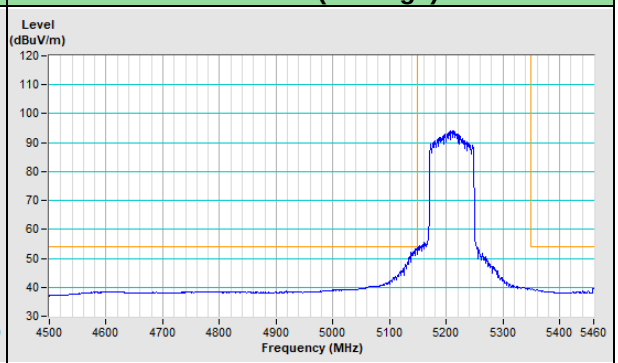


802.11ax (HE80) Channel 42

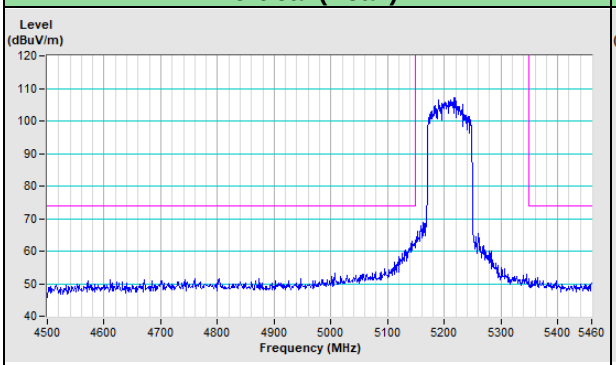
Horizontal (Peak)



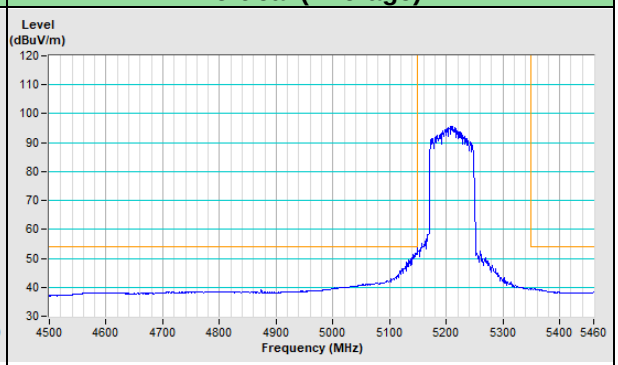
Horizontal (Average)



Vertical (Peak)

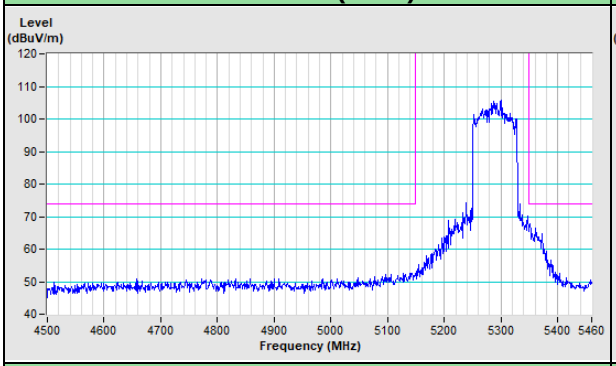


Vertical (Average)

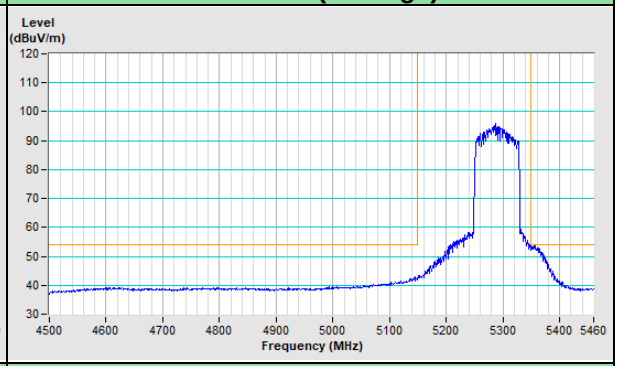


802.11ax (HE80) Channel 58

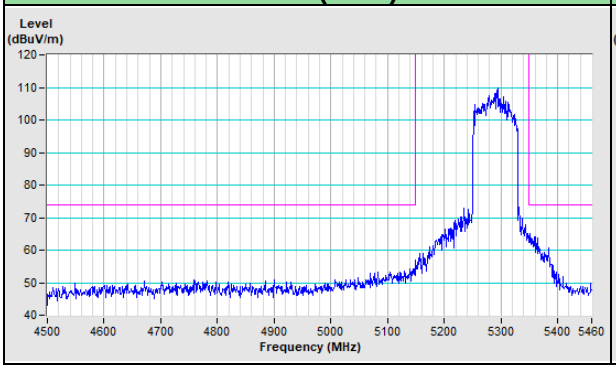
Horizontal (Peak)



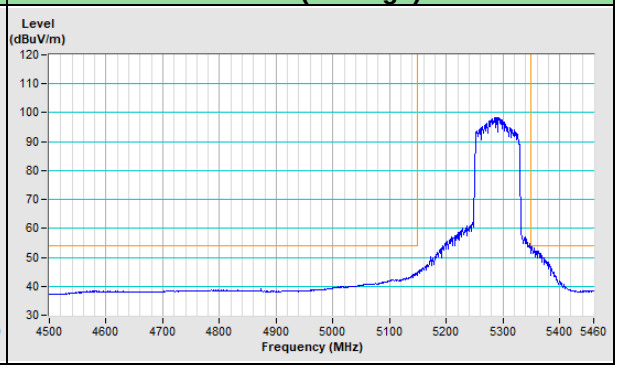
Horizontal (Average)

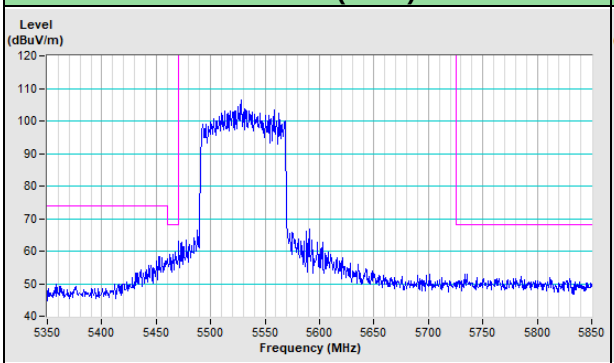
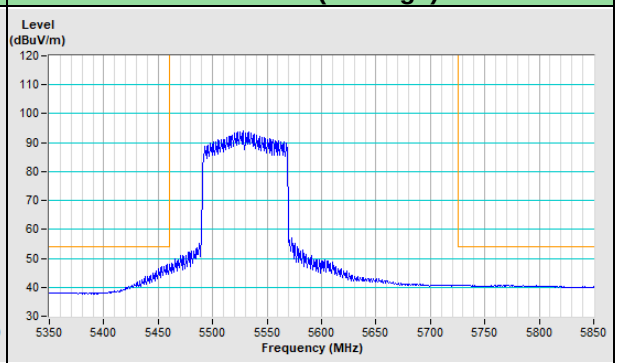
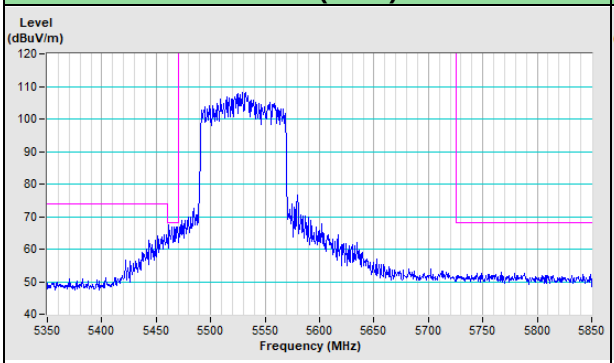
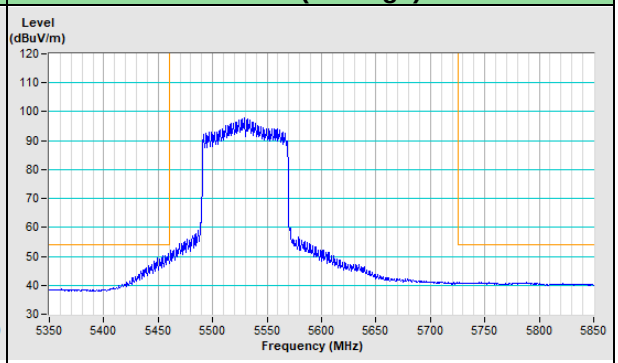
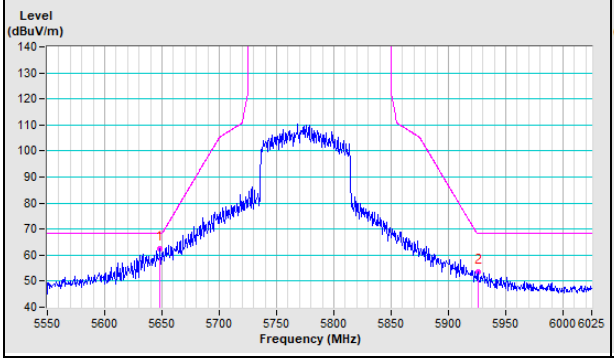
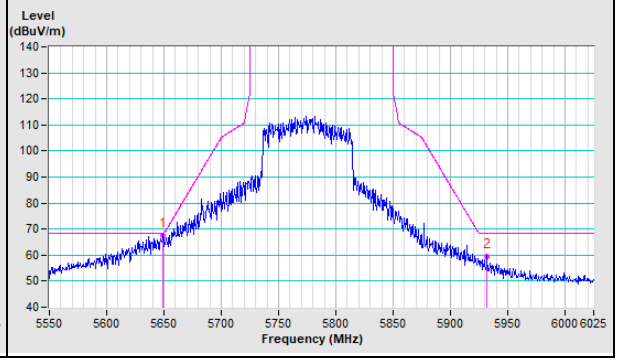


Vertical (Peak)



Vertical (Average)



802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE80) Channel 155	
Horizontal (Peak)	Vertical (Peak)
	

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

9 Information of the Testing Laboratories

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

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

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

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