TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBBQZ-WTW-P23020336-1
FCC ID:	PY322400578
Product:	Mesh WiFi 6E Satellite
Brand:	NETGEAR
Model No.:	MS90
Received Date:	2023/1/31
Test Date:	2023/2/19 ~ 2023/4/4
Issued Date:	2023/6/1
Applicant:	NETGEAR, Inc.
Address:	350 East Plumeria Drive San Jose, CA 95134
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:** 2023/6/1

May Chen / Manager

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Prepared by : Claire Kuan / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P23020336-1	Original release.	2023/6/1

1 Certificate

Product:	Mesh WiFi 6E Satellite
Brand:	NETGEAR
Test Model:	MS90
Sample Status:	Engineering sample
Applicant:	NETGEAR, Inc.
Test Date:	2023/2/19 ~ 2023/4/4
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -6.45 dB at 0.35068 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.8 dB at 63.51 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5150.00, 5460.00 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	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Mesh WiFi 6E Satellite
Brand	NETGEAR
Test Model	MS90
Status of EUT	Engineering sample
Power Supply Rating	Refer to Note
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 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2401.9 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80: 6 802.11ac (VHT160), 802.11ax (HE160): 2
Output Power	**CDD Mode:** 5.18 GHz ~ 5.25 GHz : 707.069 mW (28.49 dBm) 5.26 GHz ~ 5.32 GHz : 241.263 mW (23.82 dBm) 5.5 GHz ~ 5.72 GHz : 237.211 mW (23.75 dBm) 5.745 GHz ~ 5.825 GHz : 889.864 mW (29.49 dBm) **Beamforming Mode:** 5.18 GHz ~ 5.25 GHz : 531.849 mW (27.26 dBm) 5.26 GHz ~ 5.32 GHz : 240.182 mW (23.81 dBm) 5.5 GHz ~ 5.72 GHz : 237.211 mW (23.75 dBm) 5.745 GHz ~ 5.825 GHz : 889.864 mW (29.49 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT has below radios as following table:

Radio 1	Radio 2
WLAN 2.4GHz	WLAN 5GHz + 6GHz

2. Simultaneously transmission condition.

Condition	Technology		
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WLAN (6 GHz)
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 as the following table:

AC Adapter 1		
Brand	Model	Specification
NETGEAR	2AED030FC	Part Number: 332-11595-01 AC Input: 100-120V~60Hz Max 1.0A DC Output: 12V, 2.5A DC Output Cable: unshielded, 1.8m without core
AC Adapter 2		
Brand	Model	Specification
NETGEAR	ADS-40FPC-12 12030E	Part Number: 332-11585-02 AC Input: 100-120V~50/60Hz 1.0A DC Output: 12V, 2.5A DC Output Cable: unshielded, 1.8m without core

Ethernet Cable		
Brand	Model	Specification
NETGEAR	312-10138-01	Signal Line : 2m, Unshielded

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Antenna Net Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
2G	2G-0	2.15	2.4~2.4835	PIFA	ipex(MHF)
DB1	2G-1	2.21	2.4~2.4835	PIFA	ipex(MHF)
DB2	2G-2	2.29	2.4~2.4835	PIFA	ipex(MHF)
5G1	5G-0	2.38	5.15~5.25	PIFA	ipex(MHF)
		2.38	5.25~5.35		
		2.65	5.47~5.725		
		2.69	5.725~5.85		
		2.69	5.85~5.895		
5G2	5G-1	2.49	5.15~5.25	PIFA	ipex(MHF)
		2.49	5.25~5.35		
		2.81	5.47~5.725		
		2.54	5.725~5.85		
		2.54	5.85~5.895		
DB1	6G-0	2.85	5.925~6.425	PIFA	ipex(MHF)
		2.89	6.425~6.525		
		2.89	6.525~6.875		
		2.93	6.875~7.125		
DB2	6G-1	2.98	5.925~6.425	PIFA	ipex(MHF)
		2.87	6.425~6.525		
		2.87	6.525~6.875		
		2.99	6.875~7.125		

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	**TX & RX Configuration**	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	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 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 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

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
50	5250 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		

1 channels are provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
114	5570 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: Adapter 1 : 2AED030FC / Adapter 2 : ADS-40FPC-12 12030E. Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2.Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. AC Adapter Worst Condition: Adapter1: 2AED030FC 2. The EUT is usually used lying flat and was therefore chosen for Unwanted Emission testing.

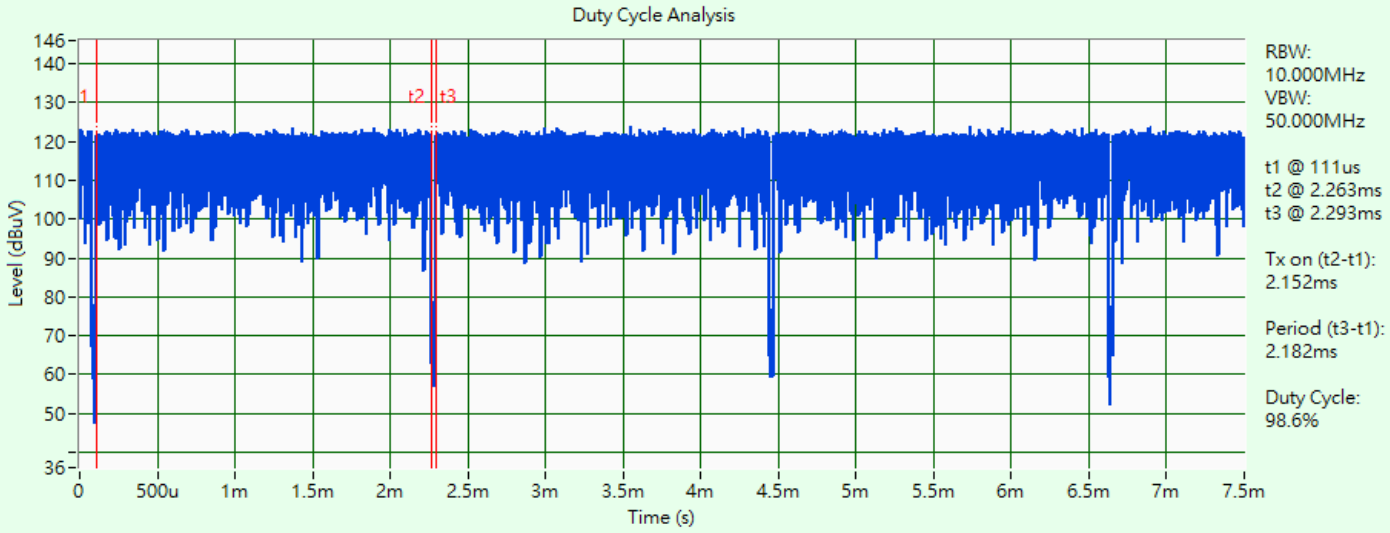
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	CDD	58, 106, 122, 138	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD & Beamforming	50, 114	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0

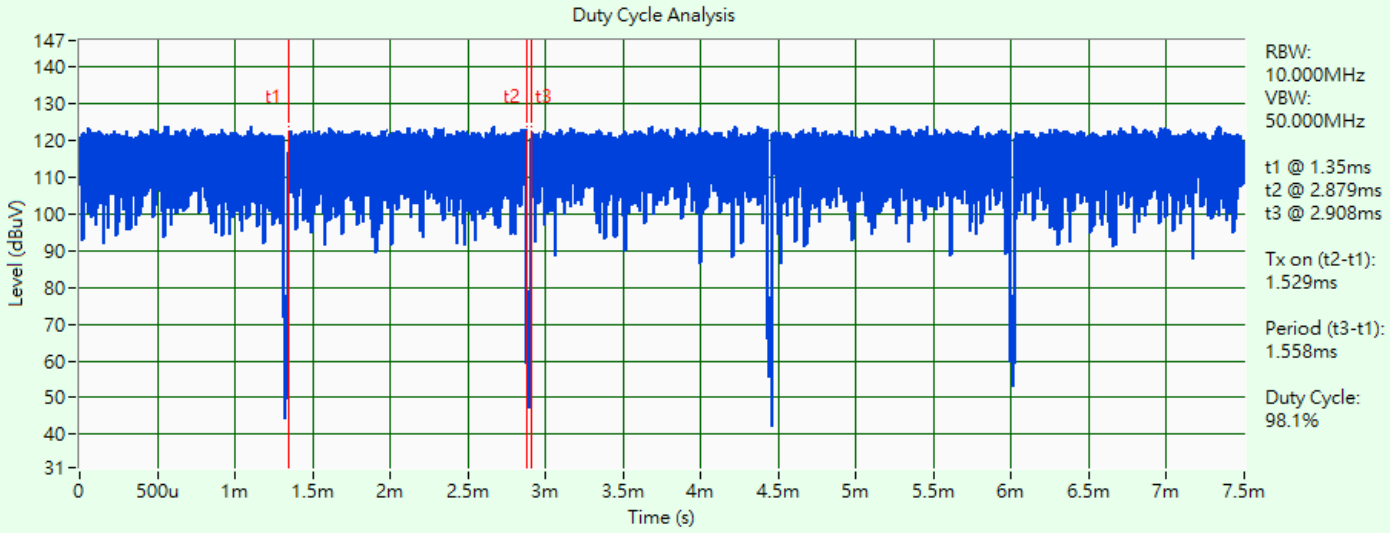
Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
Frequency Stability	802.11a	CDD	36	un-modulation	-
AC Power Conducted Emissions	802.11ax (HE20)	CDD	157	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE20)	CDD	157	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	CDD	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

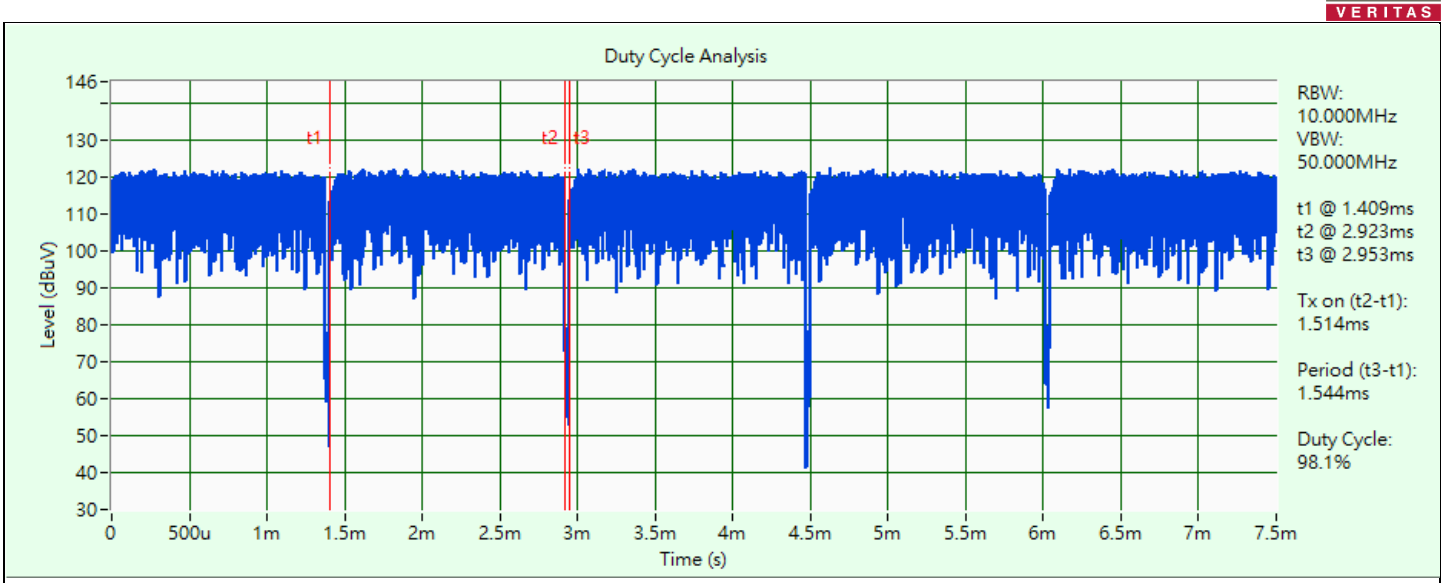
802.11a: Duty cycle = 2.152 ms / 2.182 ms x 100% = 98.6%
802.11ax (HE20): Duty cycle = 1.529 ms / 1.558 ms x 100% = 98.1%
802.11ax (HE40): Duty cycle = 1.514 ms / 1.544 ms x 100% = 98.1%
802.11ax (HE80): Duty cycle = 1.583 ms / 1.612 ms x 100% = 98.2%
802.11ax (HE160): Duty cycle = 2.985 ms / 3.024 ms x 100% = 98.7%



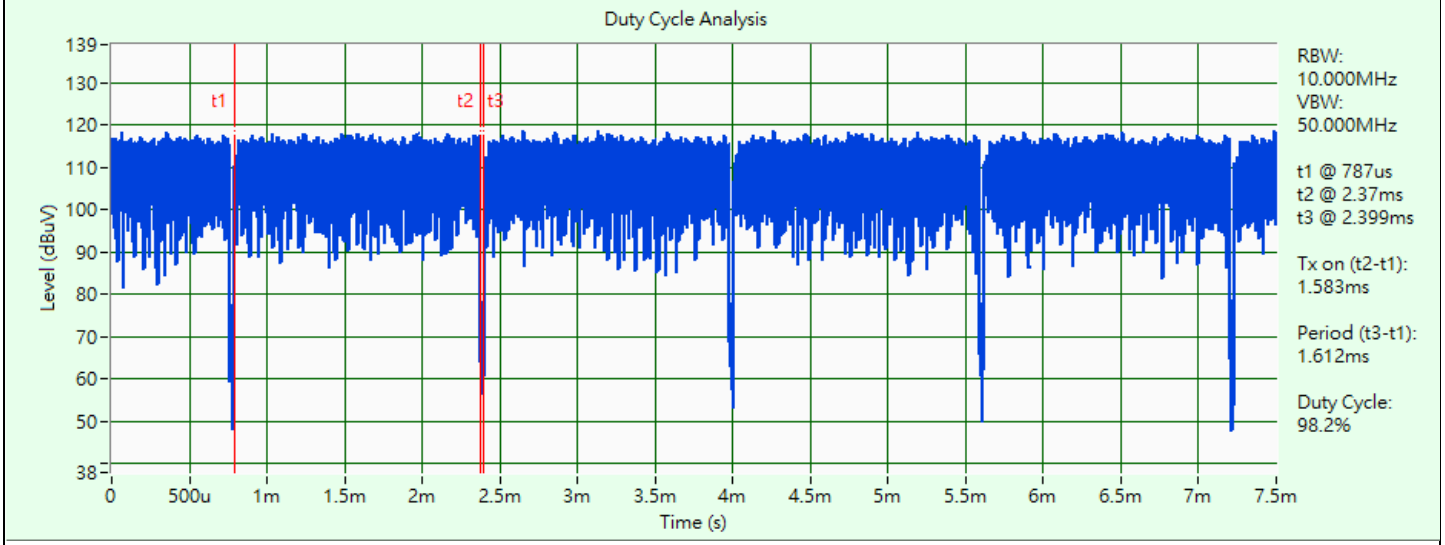
802.11a



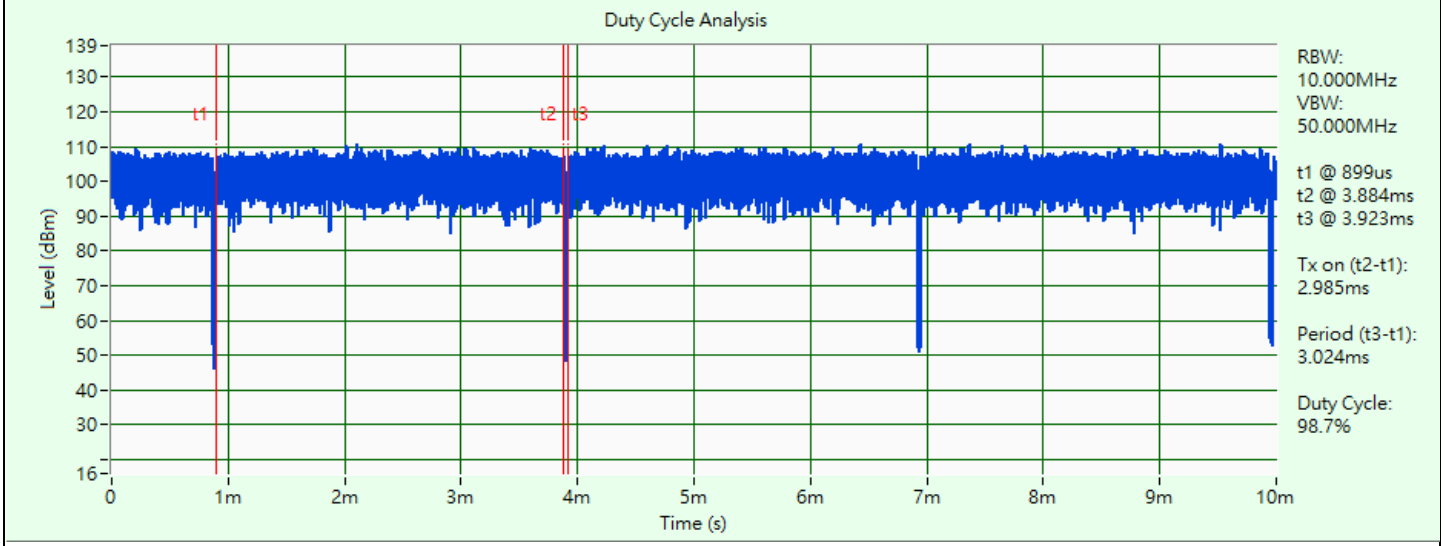
802.11ax (HE20)



802.11ax (HE40)



802.11ax (HE80)

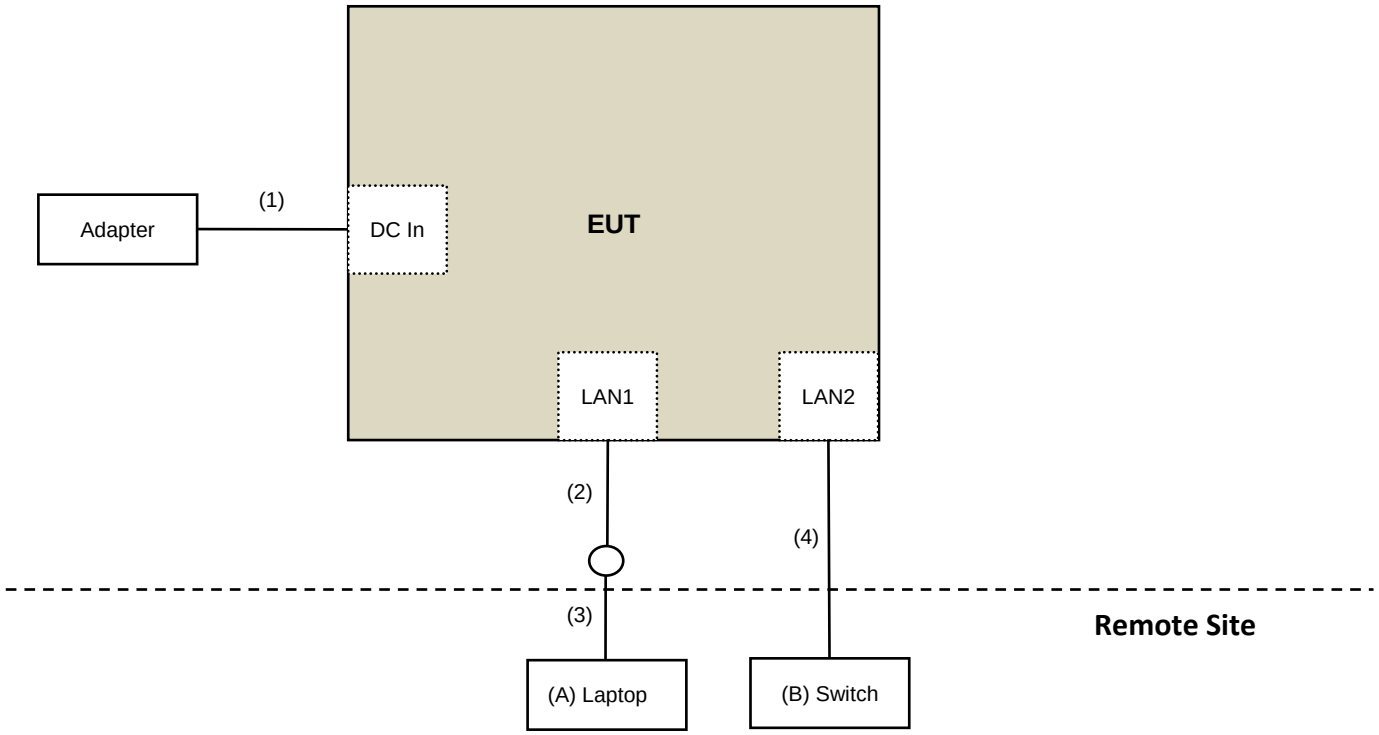


802.11ax (HE160)

3.6 Test Program Used and Operation Descriptions

Controlling software (AccessMTool_REL_3_3_0_1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
B	Switch	D-Link	DGS-1005D	DR8WC92000523	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	0	Supplied by applicant
2	RJ45	1	2	No	0	Supplied by applicant
3	RJ45	1	10	No	0	Provided by Lab
4	RJ45	1	10	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/4/4

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/4/4

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB 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	N/A	N/A
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/12/26	2023/12/25
True RMS Clamp Meter Fluke	325	31130711WS	2022/6/9	2023/6/8

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/4/4

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-01	2022/9/27	2023/9/26
Fixed attenuator STI	STI02-2200-10	005	2022/8/24	2023/8/23
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2022/8/24	2023/8/23
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A
TEST RECEIVER R&S	ESCS 30	847124/029	2022/10/14	2023/10/13

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/3/13

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2022/12/28	2023/12/27
LOOP ANTENNA Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
Pre_Amplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Pre_Amplifier EMCI	EMC330N	980701	2023/2/18	2024/2/17
RF Coaxial Cable COMMATE/PEWC	8D	966-4-1	2023/2/18	2024/2/17
		966-4-2	2023/2/18	2024/2/17
		966-4-3	2023/2/18	2024/2/17
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer KEYSIGHT	N9030B	MY57142938	2022/4/26	2023/4/25
Trilog Broadband Antenna Schwarzbeck	VULB 9168	9168-406	2022/10/21	2023/10/20

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2023/3/15

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2022/11/13	2023/11/12
	BBHA 9170	9170-739	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC12630SE	980688	2022/10/4	2023/10/3
	EMC184045SE	980387	2022/12/28	2023/12/27
RF Cable-Frequency Range : 1-26.5GHz EMCI	EMC104-SM-SM-1200	160922	2022/12/15	2023/12/14
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1200	160924	2022/12/28	2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2022/3/8	2023/3/7
		200214	2023/2/20	2024/2/19
	EMC104-SM-SM-2000	180502	2022/4/25	2023/4/24
	EMC104-SM-SM-6000	210704	2022/11/4	2023/11/3
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer KEYSIGHT	N9030B	MY57142938	2022/4/26	2023/4/25

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2023/2/19 ~ 2023/3/10

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 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	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

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

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

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

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access 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 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 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

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

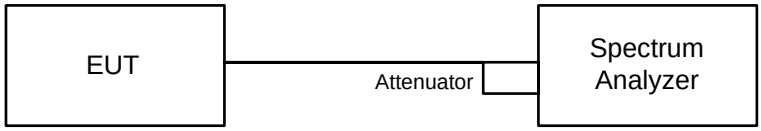
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

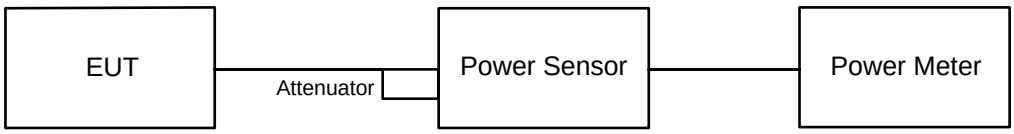


6.1.2 Test Procedure

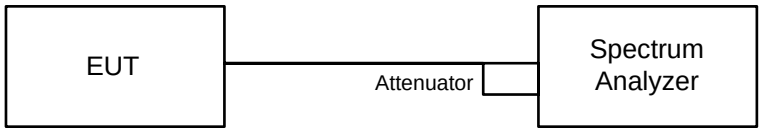
a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

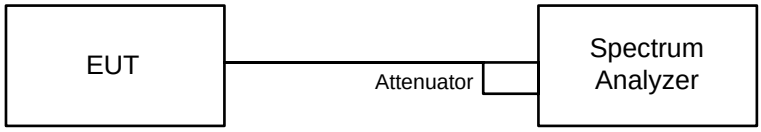
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

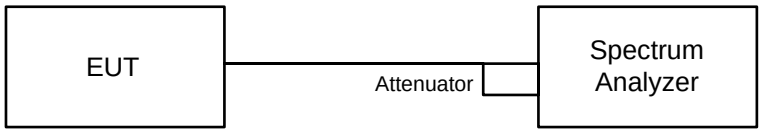
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger 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:
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 6 dB Bandwidth

6.4.1 Test Setup

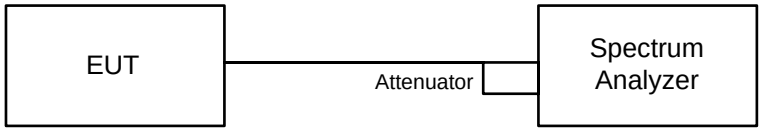


6.4.2 Test Procedure

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

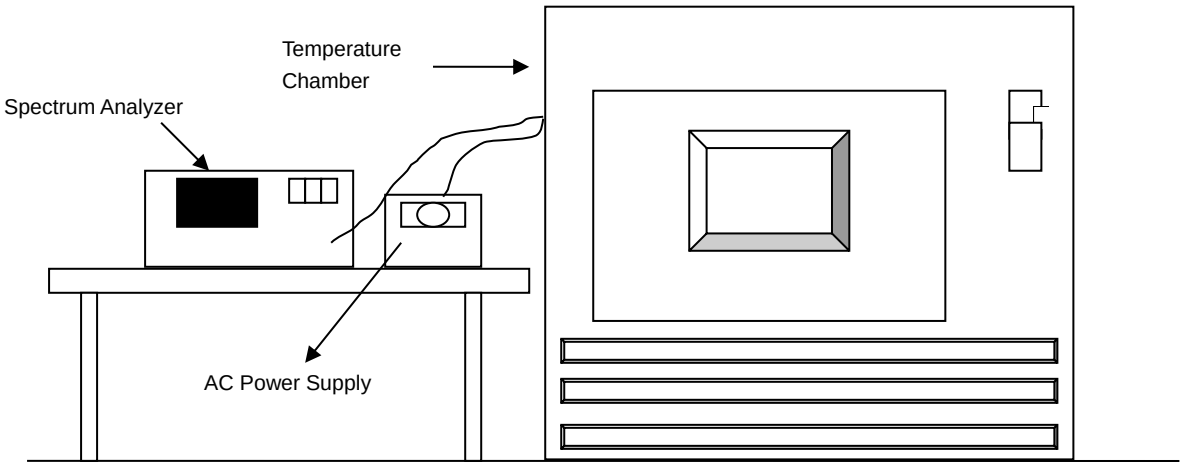


6.5.2 Test Procedure

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

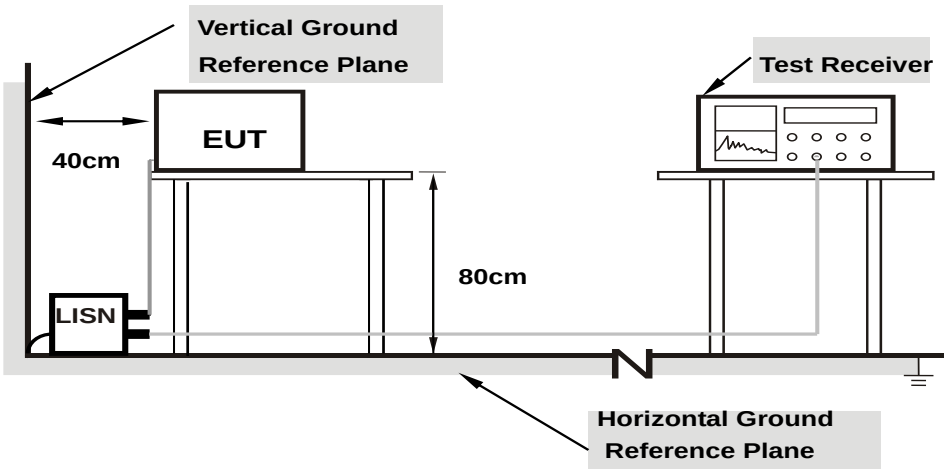


6.6.2 Test Procedure

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 on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

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

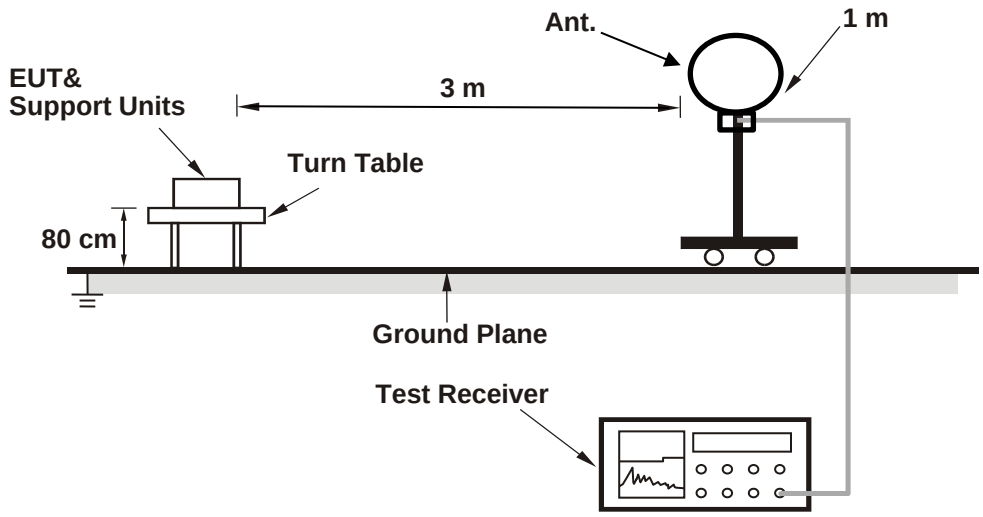
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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.

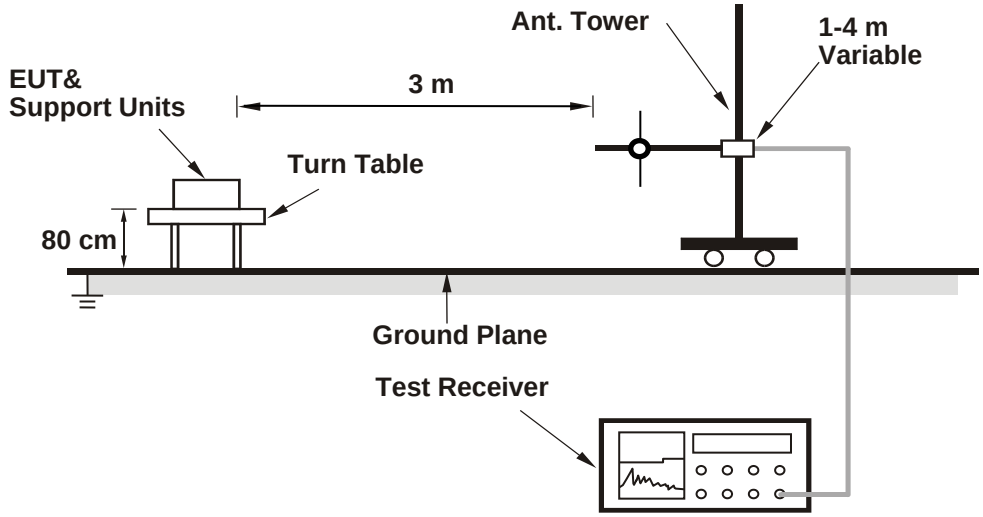
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

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, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

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

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

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

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

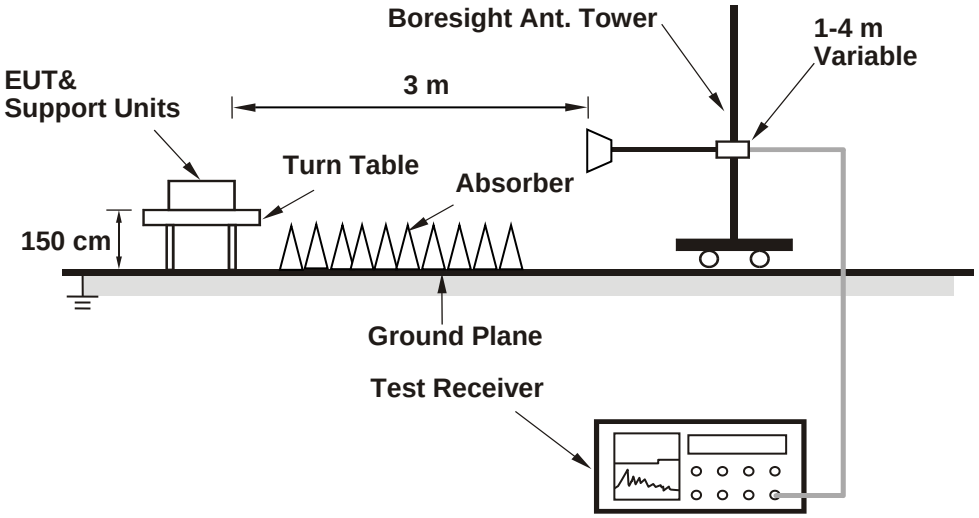
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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) and Average detection (AV) at frequency above 1 GHz.
2. For fundamental and harmonic signal measurement, 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 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 65% RH	Tested By:	Katina Lu

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	22.38	24.11
60	5300	22.35	24.38
64	5320	22.56	24.38
100	5500	22.42	24.03
116	5580	22.25	22.30
140	5700	21.71	21.58
144 (U-NII-2C)	5720	16.08	16.28
144 (U-NII-3)	5720	5.99	6.15

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.38	24.49	>	24
60	5300	22.35	24.49	>	24
64	5320	22.56	24.53	>	24
100	5500	22.42	24.5	>	24
116	5580	22.25	24.47	>	24
140	5700	21.58	24.34	>	24
144 (U-NII-2C)	5720	16.08	23.06	<	24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	26.43	22.43
60	5300	23.70	22.38
64	5320	23.76	22.34
100	5500	24.87	22.25
116	5580	22.50	22.20
140	5700	21.90	21.82
144 (U-NII-2C)	5720	17.41	16.41
144 (U-NII-3)	5720	6.13	5.97

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.43	24.5	>	24
60	5300	22.38	24.49	>	24
64	5320	22.34	24.49	>	24
100	5500	22.25	24.47	>	24
116	5580	22.20	24.46	>	24
140	5700	21.82	24.38	>	24
144 (U-NII-2C)	5720	16.41	23.15	<	24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	44.01	44.64
62	5310	44.02	47.47
102	5510	46.53	44.83
110	5550	43.99	42.72
134	5670	42.28	42.21
142 (U-NII-2C)	5710	36.03	35.77
142 (U-NII-3)	5710	6.37	7.05

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	44.01	27.43	>	24
62	5310	44.02	27.43	>	24
102	5510	44.83	27.51	>	24
110	5550	42.72	27.3	>	24
134	5670	42.21	27.25	>	24
142 (U-NII-2C)	5710	35.77	26.53	>	24

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

802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	92.35	92.87
106	5530	92.86	85.12
122	5610	86.34	82.83
138 (U-NII-2C)	5690	76.34	76.35
138 (U-NII-3)	5690	7.79	6.58

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	92.35	30.65 > 24
106	5530	85.12	30.3 > 24
122	5610	82.83	30.18 > 24
138 (U-NII-2C)	5690	76.34	29.82 > 24

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

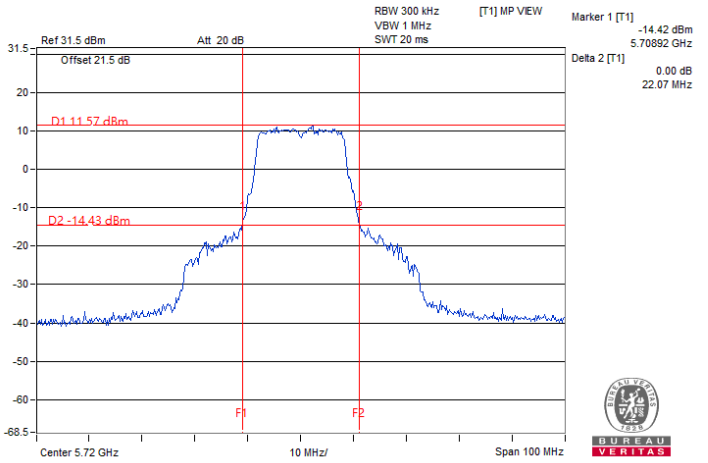
802.11ax (HE160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.55	83.15
50 (U-NII-2A)	5250	84.34	83.79
114	5570	168.52	167.63

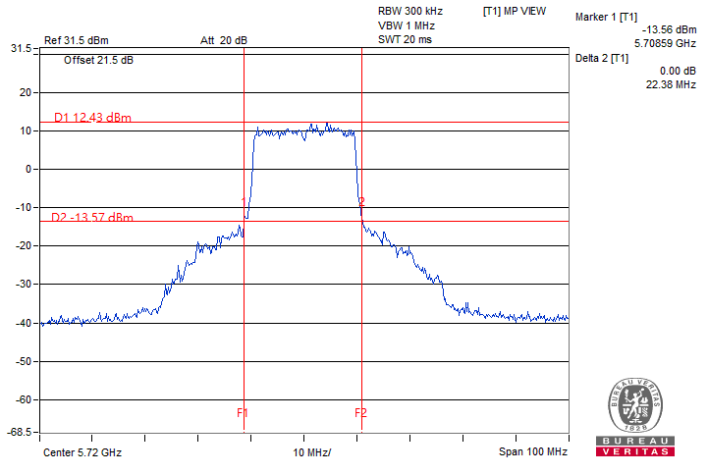
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	83.79	30.23 > 24
114	5570	167.63	33.24 > 24

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

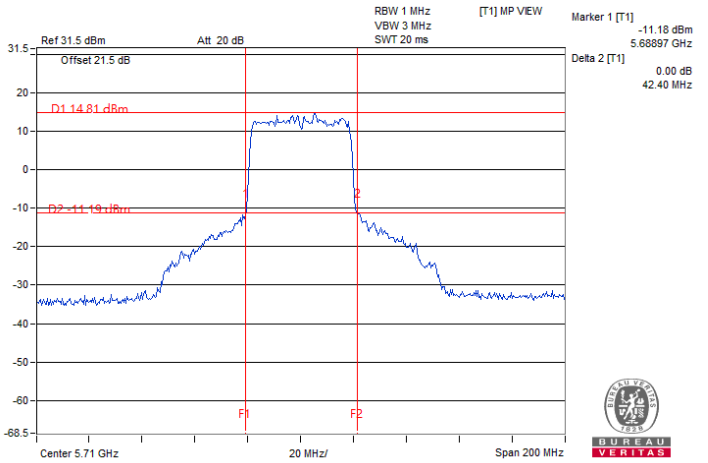
Spectrum Plot of Minimum Value



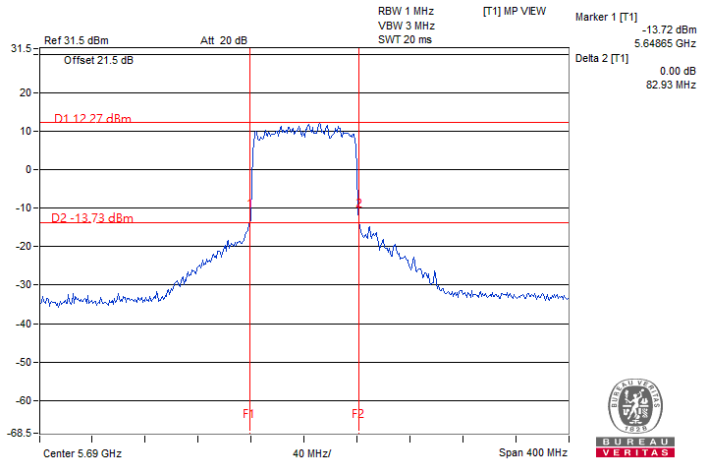
802.11a / Chain 0 : CH 144 (U-NII-3)



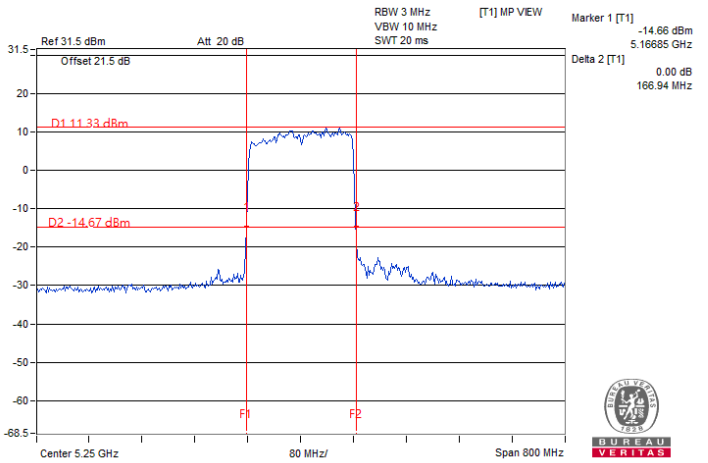
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



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



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



802.11ax (HE160) / Chain 1 : CH 50 (U-NII-1)

Notes:

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

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 65% RH	Tested By:	Katina Lu

802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	22.54	22.15	343.532	25.36	30	Pass
40	5200	25.92	25.00	707.069	28.49	30	Pass
48	5240	23.97	22.81	440.445	26.44	30	Pass
52	5260	21.53	19.92	240.408	23.81	24	Pass
60	5300	21.59	19.87	241.263	23.82	24	Pass
64	5320	21.58	19.79	239.159	23.79	24	Pass
100	5500	21.14	20.30	237.169	23.75	24	Pass
116	5580	21.03	20.39	236.161	23.73	24	Pass
140	5700	19.05	18.40	149.536	21.75	24	Pass
*144 (U-NII-2C)	5720	18.80	17.99	138.808	21.42	23.06	Pass
*144 (U-NII-3)	5720	12.64	11.91	33.889	15.30	30	Pass
149	5745	26.53	25.61	813.695	29.10	30	Pass
157	5785	26.85	25.85	868.764	29.39	30	Pass
165	5825	26.52	25.72	821.996	29.15	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 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.81 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.69 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 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	23.24	22.09	372.671	25.71	30	Pass
40	5200	25.68	24.44	647.8	28.11	30	Pass
48	5240	24.26	23.05	468.523	26.71	30	Pass
52	5260	21.53	19.91	240.182	23.81	24	Pass
60	5300	21.57	19.75	237.955	23.76	24	Pass
64	5320	21.66	19.56	236.92	23.75	24	Pass
100	5500	20.87	20.28	228.84	23.60	24	Pass
116	5580	20.83	20.57	235.085	23.71	24	Pass
140	5700	18.72	18.22	140.848	21.49	24	Pass
*144 (U-NII-2C)	5720	18.49	17.74	130.061	21.14	23.15	Pass
*144 (U-NII-3)	5720	13.29	12.56	39.361	15.95	30	Pass
149	5745	26.67	25.74	839.488	29.24	30	Pass
157	5785	26.86	26.07	889.864	29.49	30	Pass
165	5825	26.39	25.62	800.266	29.03	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 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.81 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.69 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 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	20.22	19.01	184.812	22.67	30	Pass
46	5230	24.71	23.73	531.849	27.26	30	Pass
54	5270	21.10	20.43	239.233	23.79	24	Pass
62	5310	19.21	18.20	149.437	21.74	24	Pass
102	5510	20.99	20.02	226.065	23.54	24	Pass
110	5550	21.00	20.20	230.605	23.63	24	Pass
134	5670	21.07	20.12	230.74	23.63	24	Pass
*142 (U-NII-2C)	5710	18.16	18.30	133.072	21.24	24	Pass
*142 (U-NII-3)	5710	8.44	8.68	14.361	11.57	30	Pass
151	5755	25.26	25.41	683.274	28.35	30	Pass
159	5795	26.16	25.91	802.989	29.05	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 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.81 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.69 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 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	19.74	18.18	159.955	22.04	30	Pass
58	5290	19.12	17.86	142.752	21.55	24	Pass
106	5530	20.75	19.77	213.692	23.30	24	Pass
122	5610	21.23	20.19	237.211	23.75	24	Pass
*138 (U-NII-2C)	5690	19.10	18.64	154.397	21.89	24	Pass
*138 (U-NII-3)	5690	5.90	5.48	7.422	8.71	30	Pass
155	5775	23.32	22.75	403.148	26.05	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 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.81 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.69 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	12.64	11.96	34.069	15.32	30	Pass
*50 (U-NII-2A)	5250	13.44	13.21	43.021	16.34	24	Pass
114	5570	17.97	17.52	119.155	20.76	24	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 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.49 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.81 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	23.24	22.09	372.671	25.71	30	Pass
40	5200	25.68	24.44	647.8	28.11	30	Pass
48	5240	24.26	23.05	468.523	26.71	30	Pass
52	5260	21.53	19.91	240.182	23.81	24	Pass
60	5300	21.57	19.75	237.955	23.76	24	Pass
64	5320	21.66	19.56	236.92	23.75	24	Pass
100	5500	20.87	20.28	228.84	23.60	24	Pass
116	5580	20.83	20.57	235.085	23.71	24	Pass
140	5700	18.72	18.22	140.848	21.49	24	Pass
*144 (U-NII-2C)	5720	18.49	17.74	130.061	21.14	23.15	Pass
*144 (U-NII-3)	5720	13.29	12.56	39.361	15.95	30	Pass
149	5745	26.67	25.74	839.488	29.24	30	Pass
157	5785	26.86	26.07	889.864	29.49	30	Pass
165	5825	26.39	25.62	800.266	29.03	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 = $10 \log[(10^{Chain0/20} + 10^{Chain1/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 5.63 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	20.22	19.01	184.812	22.67	30	Pass
46	5230	24.71	23.73	531.849	27.26	30	Pass
54	5270	21.10	20.43	239.233	23.79	24	Pass
62	5310	19.21	18.20	149.437	21.74	24	Pass
102	5510	20.99	20.02	226.065	23.54	24	Pass
110	5550	21.00	20.20	230.605	23.63	24	Pass
134	5670	21.07	20.12	230.74	23.63	24	Pass
*142 (U-NII-2C)	5710	18.16	18.30	133.072	21.24	24	Pass
*142 (U-NII-3)	5710	8.44	8.68	14.361	11.57	30	Pass
151	5755	25.26	25.41	683.274	28.35	30	Pass
159	5795	26.16	25.91	802.989	29.05	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 = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 5.63 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	19.74	18.18	159.955	22.04	30	Pass
58	5290	19.12	17.86	142.752	21.55	24	Pass
106	5530	20.75	19.77	213.692	23.30	24	Pass
122	5610	21.23	20.19	237.211	23.75	24	Pass
*138 (U-NII-2C)	5690	19.10	18.64	154.397	21.89	24	Pass
*138 (U-NII-3)	5690	5.90	5.48	7.422	8.71	30	Pass
155	5775	23.32	22.75	403.148	26.05	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 = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 5.63 dBi < 6 dBi, so the output power limit shall not be reduced.

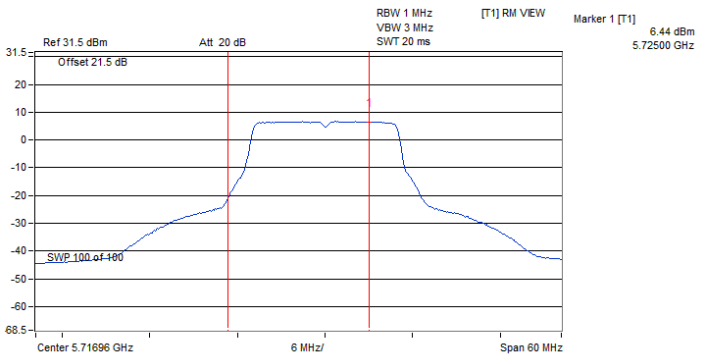
802.11ax (HE160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	12.64	11.96	34.069	15.32	30	Pass
*50 (U-NII-2A)	5250	13.44	13.21	43.021	16.34	24	Pass
114	5570	17.97	17.52	119.155	20.76	24	Pass

Notes:

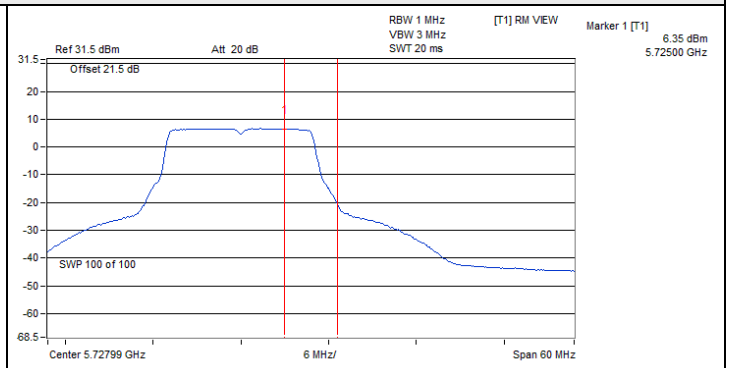
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



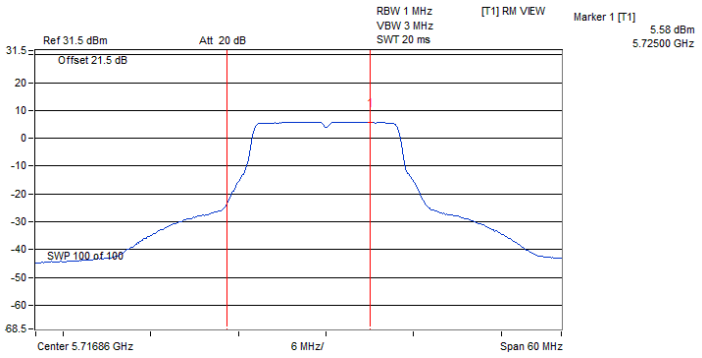
TX Channel Bandwidth 16.08 MHz Power 18.8 dBm

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



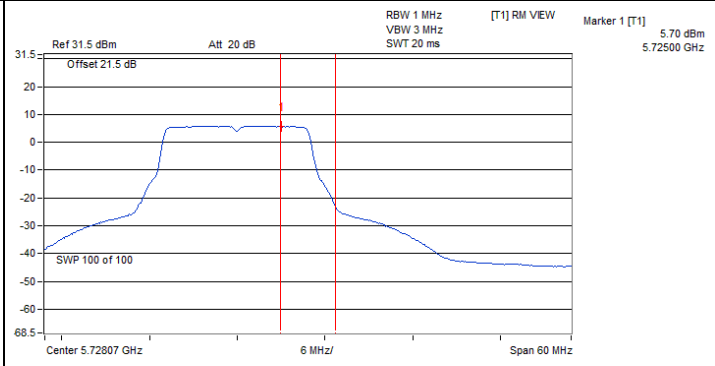
TX Channel Bandwidth 5.99 MHz Power 12.64 dBm

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



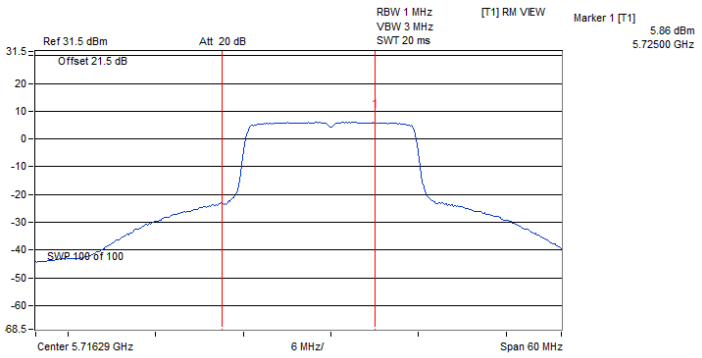
TX Channel Bandwidth 16.28 MHz Power 17.99 dBm

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



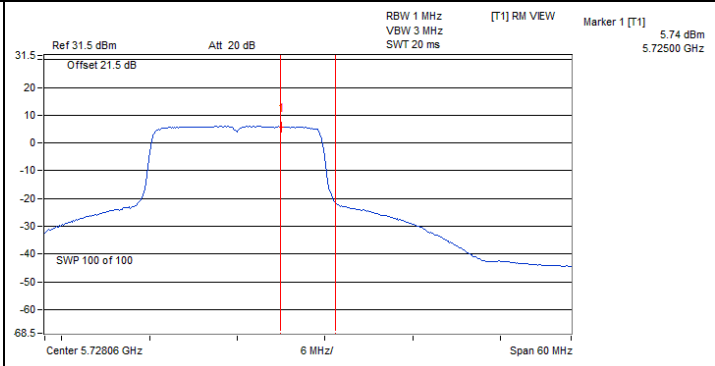
TX Channel Bandwidth 6.15 MHz Power 11.91 dBm

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



TX Channel Bandwidth 17.41 MHz Power 18.49 dBm

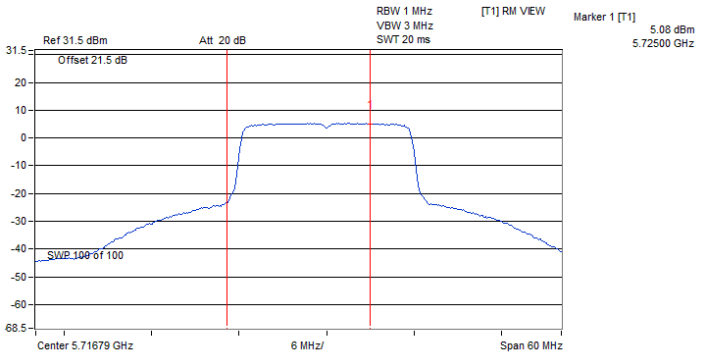
802.11ax (HE20) CDD / Chain 0 : CH 144 (U-NII-2C)



TX Channel Bandwidth 6.13 MHz Power 13.29 dBm

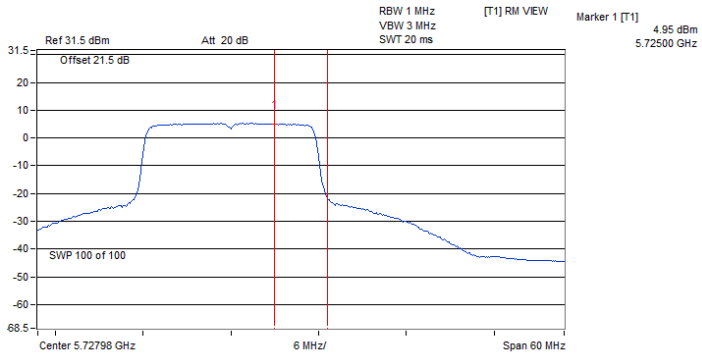
802.11ax (HE20) CDD / Chain 0 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



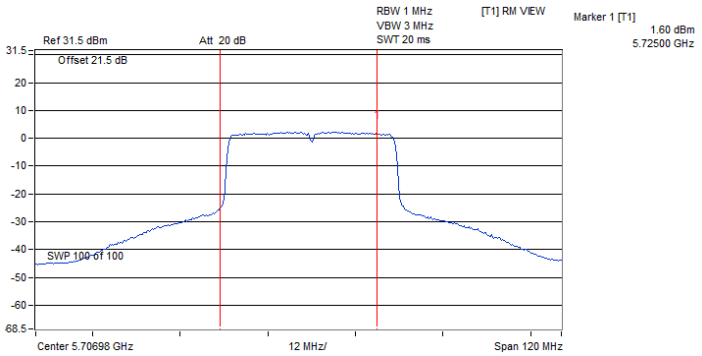
TX Channel Bandwidth 16.41 MHz Power 17.74 dBm

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



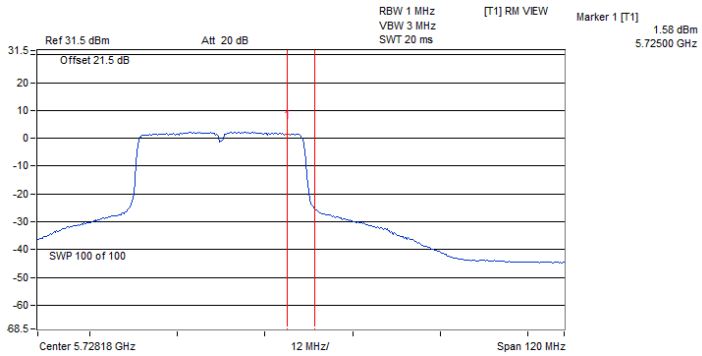
TX Channel Bandwidth 5.97 MHz Power 12.56 dBm

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



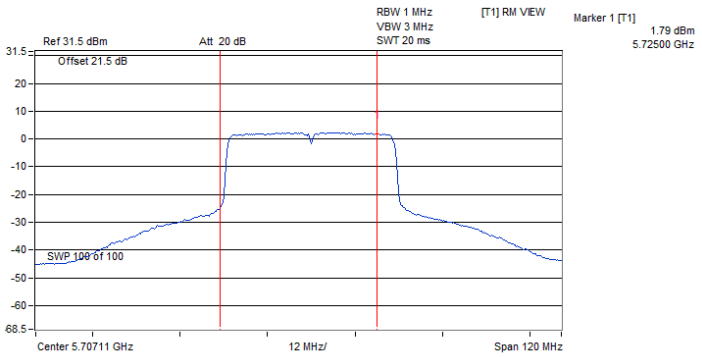
TX Channel Bandwidth 36.03 MHz Power 18.16 dBm

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



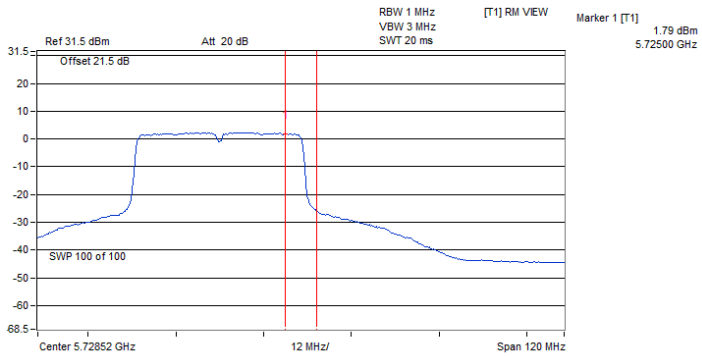
TX Channel Bandwidth 6.37 MHz Power 8.44 dBm

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



TX Channel Bandwidth 35.77 MHz Power 18.3 dBm

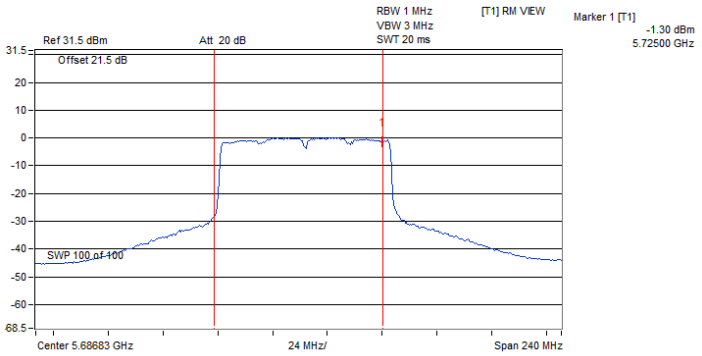
802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-2C)



TX Channel Bandwidth 7.05 MHz Power 8.68 dBm

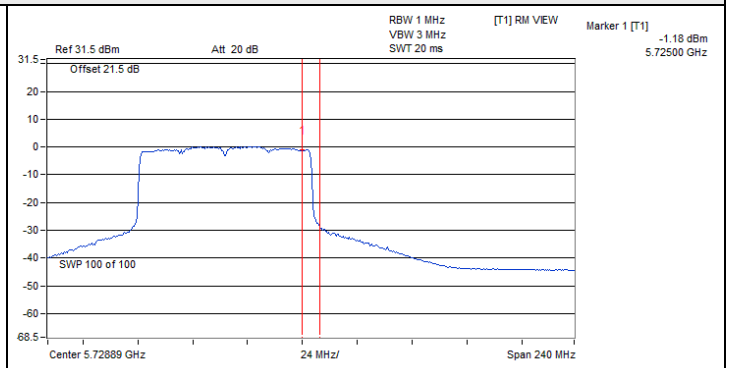
802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



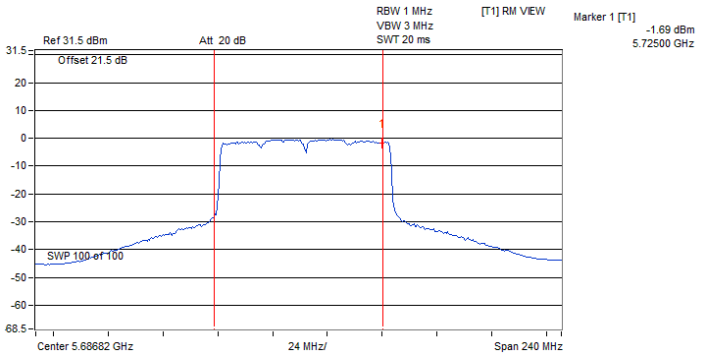
TX Channel Bandwidth 76.34 MHz Power 19.1 dBm

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



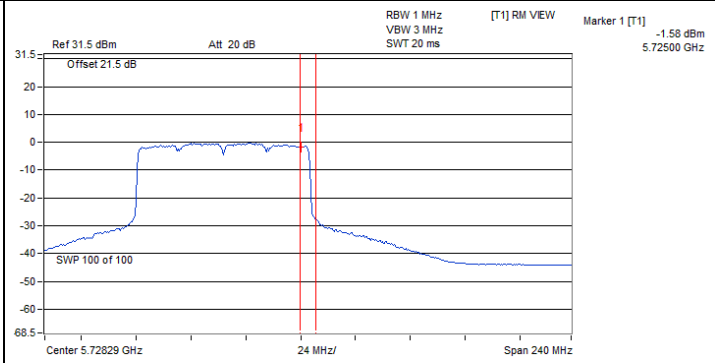
TX Channel Bandwidth 7.79 MHz Power 5.9 dBm

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



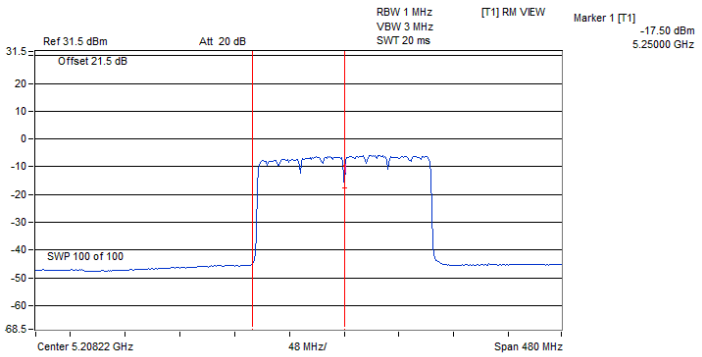
TX Channel Bandwidth 76.35 MHz Power 18.64 dBm

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



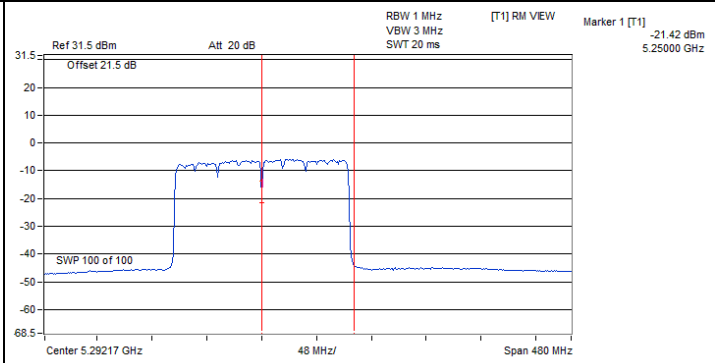
TX Channel Bandwidth 6.58 MHz Power 5.48 dBm

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



TX Channel Bandwidth 83.55 MHz Power 12.64 dBm

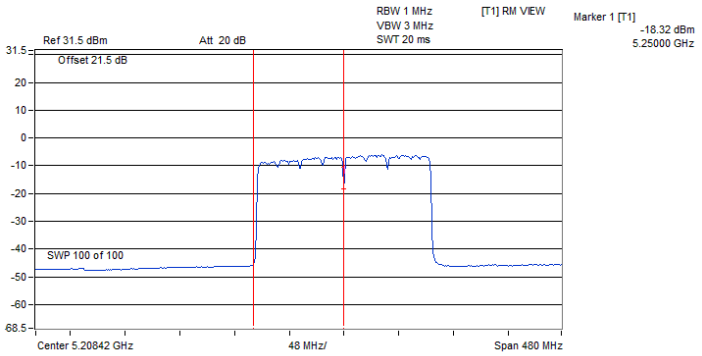
802.11ax (HE160) CDD / Chain 0 : CH 50 (U-NII-1)



TX Channel Bandwidth 84.34 MHz Power 13.44 dBm

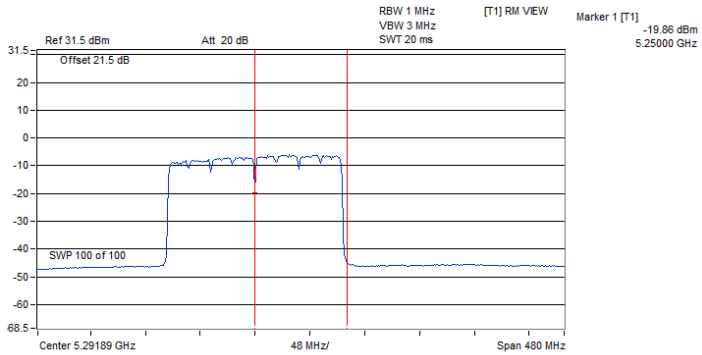
802.11ax (HE160) CDD / Chain 0 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



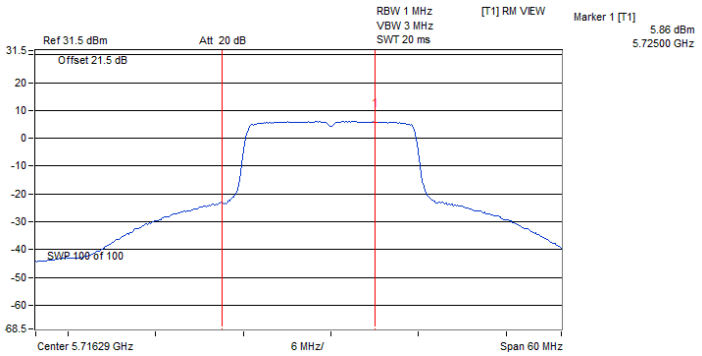
TX Channel Bandwidth 83.15 MHz Power 11.96 dBm

802.11ax (HE160) CDD / Chain 1 : CH 50 (U-NII-1)



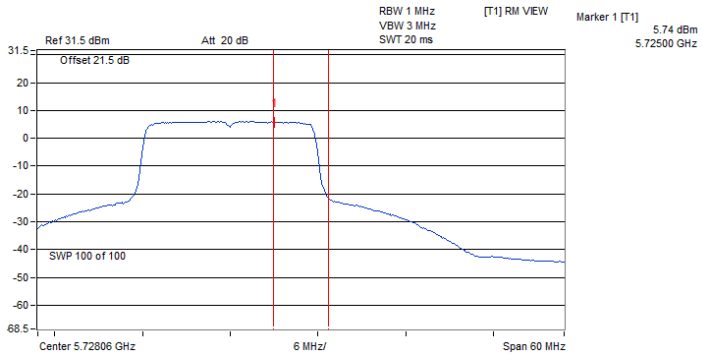
TX Channel Bandwidth 83.79 MHz Power 13.21 dBm

802.11ax (HE160) CDD / Chain 1 : CH 50 (U-NII-2A)



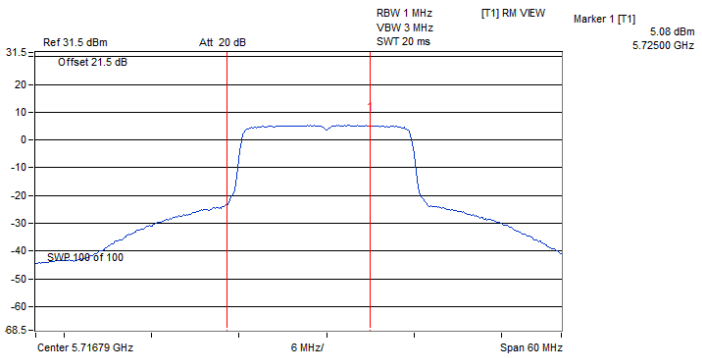
TX Channel Bandwidth 17.41 MHz Power 18.49 dBm

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



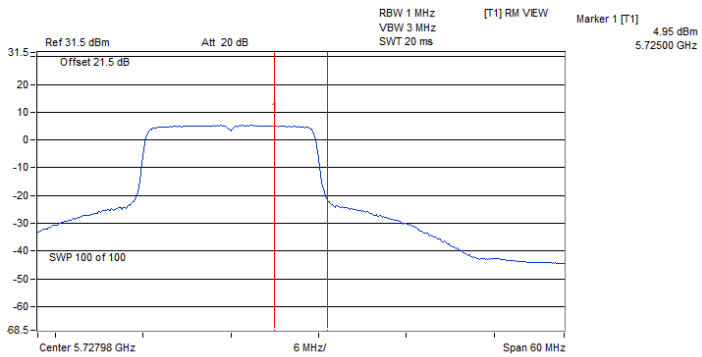
TX Channel Bandwidth 6.13 MHz Power 13.29 dBm

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



TX Channel Bandwidth 16.41 MHz Power 17.74 dBm

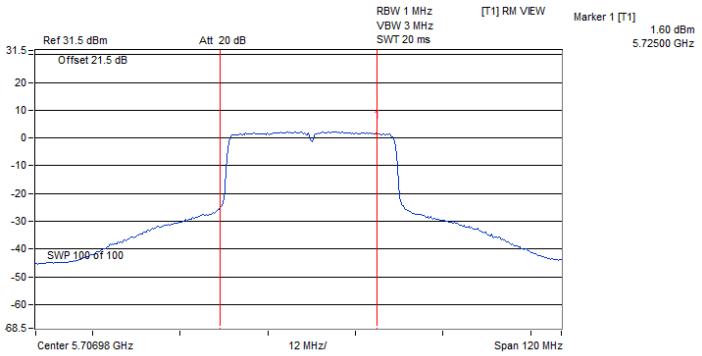
802.11ax (HE20) Beamforming / Chain 1 : CH 144 (U-NII-2C)



TX Channel Bandwidth 5.97 MHz Power 12.56 dBm

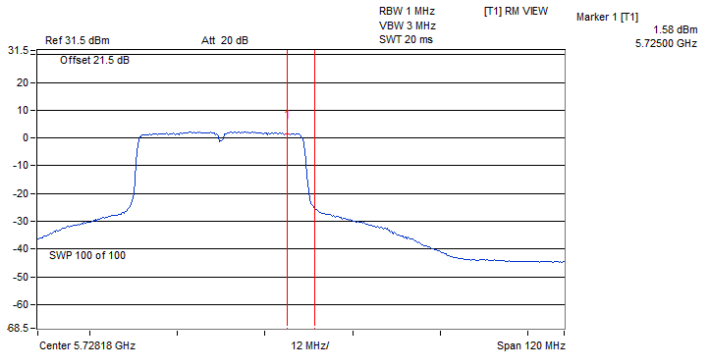
802.11ax (HE20) Beamforming / Chain 1 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



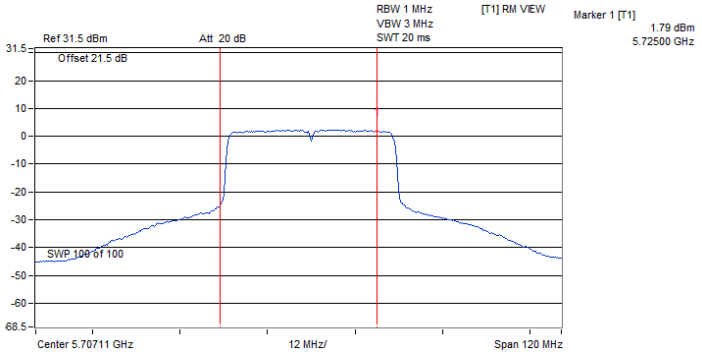
TX Channel Bandwidth 36.03 MHz Power 18.16 dBm

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



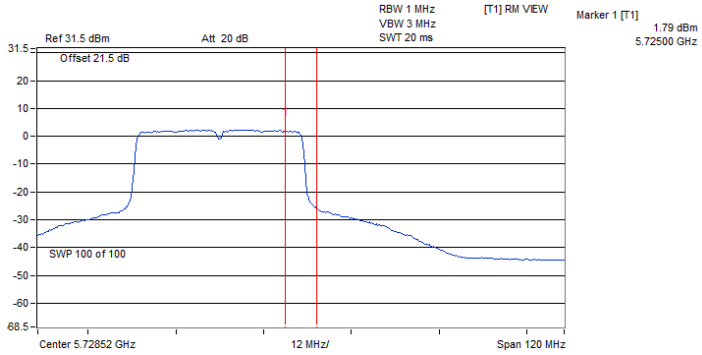
TX Channel Bandwidth 6.37 MHz Power 8.44 dBm

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



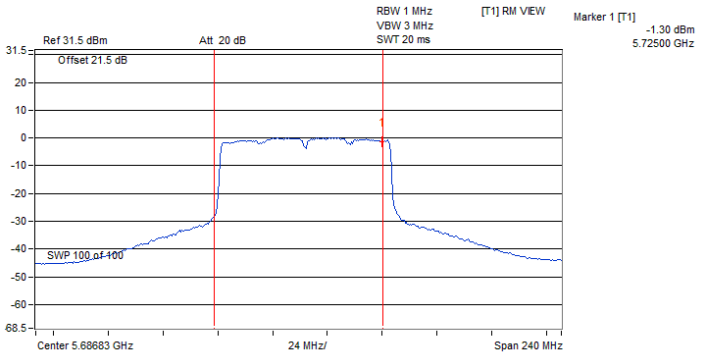
TX Channel Bandwidth 35.77 MHz Power 18.3 dBm

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



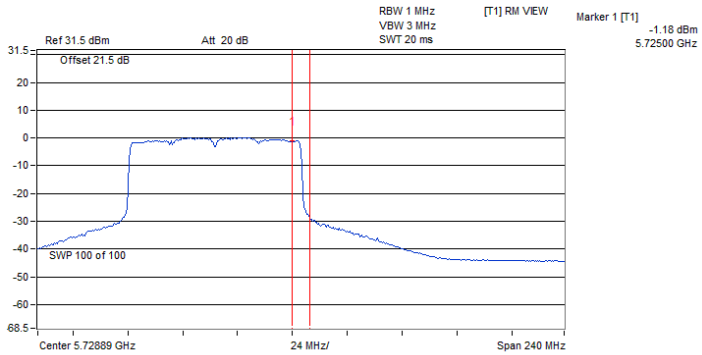
TX Channel Bandwidth 7.05 MHz Power 8.68 dBm

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



TX Channel Bandwidth 76.34 MHz Power 19.1 dBm

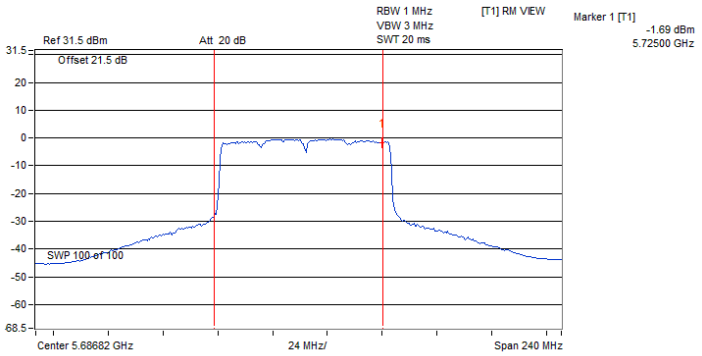
802.11ax (HE80) Beamforming / Chain 0 : CH 138 (U-NII-2C)



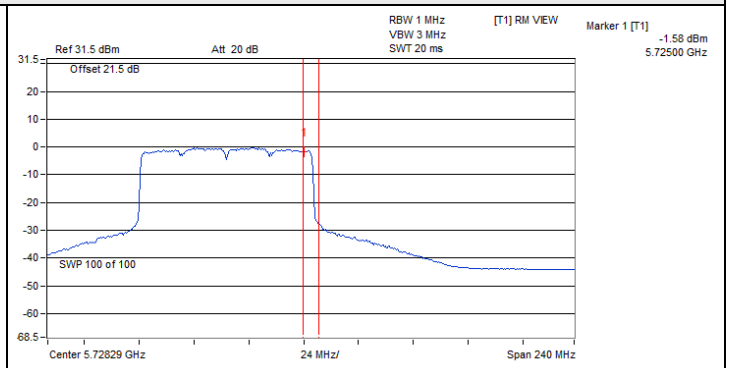
TX Channel Bandwidth 7.79 MHz Power 5.9 dBm

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

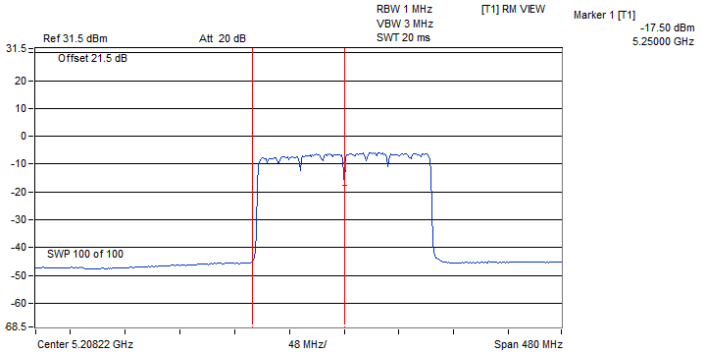
Spectrum Plot for channel straddling



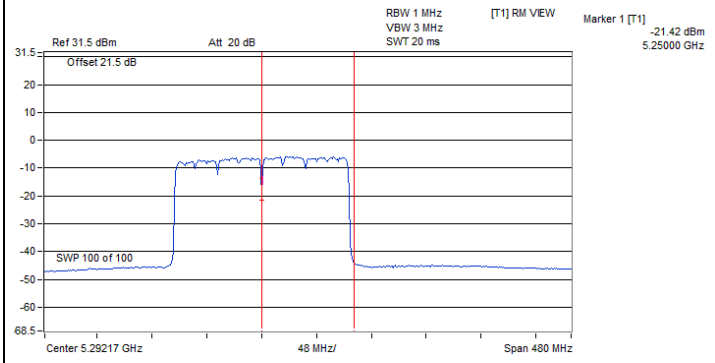
802.11ax (HE80) Beamforming / Chain 1 : CH 138 (U-NII-2C)



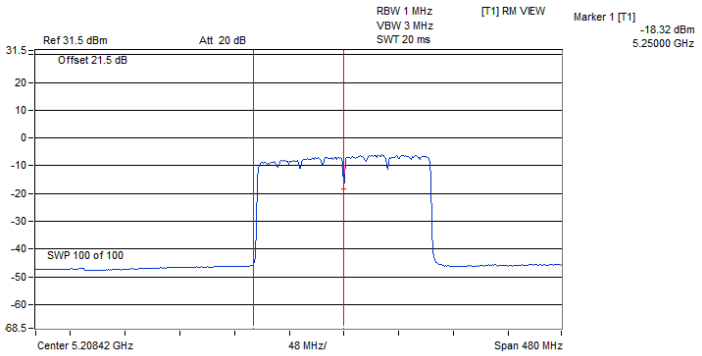
802.11ax (HE80) Beamforming / Chain 1 : CH 138 (U-NII-3)



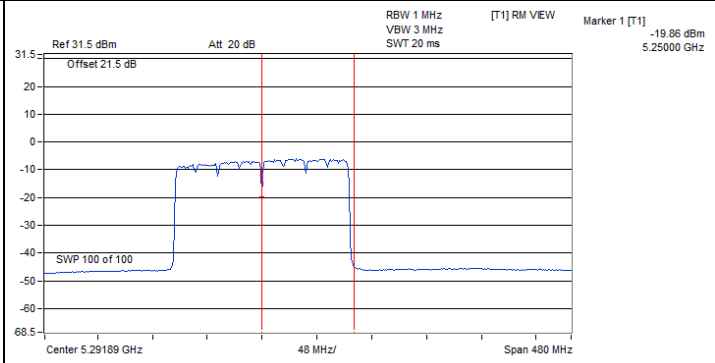
802.11ax (HE160) Beamforming / Chain 0 : CH 50 (U-NII-1)



802.11ax (HE160) Beamforming / Chain 0 : CH 50 (U-NII-2A)



802.11ax (HE160) Beamforming / Chain 1 : CH 50 (U-NII-1)



802.11ax (HE160) Beamforming / Chain 1 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 65% RH	Tested By:	Katina Lu

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.90	8.00	10.96	17	Pass
40	5200	10.81	10.86	13.85	17	Pass
48	5240	8.72	9.22	11.99	17	Pass
52	5260	5.64	5.81	8.74	11	Pass
60	5300	5.63	5.93	8.79	11	Pass
64	5320	5.68	5.83	8.77	11	Pass
100	5500	6.14	6.01	9.09	11	Pass
116	5580	5.52	5.89	8.72	11	Pass
140	5700	4.50	3.98	7.26	11	Pass
144 (U-NII-2C)	5720	6.57	5.81	9.22	11	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 5.45 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.32	7.10	10.22	17	Pass
40	5200	10.03	10.00	13.03	17	Pass
48	5240	8.52	8.83	11.69	17	Pass
52	5260	5.19	5.20	8.21	11	Pass
60	5300	5.12	5.07	8.11	11	Pass
64	5320	5.16	5.03	8.11	11	Pass
100	5500	5.62	5.29	8.47	11	Pass
116	5580	4.94	5.27	8.12	11	Pass
140	5700	3.83	3.27	6.57	11	Pass
144 (U-NII-2C)	5720	5.79	5.10	8.47	11	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 5.45 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	1.83	1.43	4.64	17	Pass
46	5230	6.52	6.51	9.53	17	Pass
54	5270	3.08	3.20	6.15	11	Pass
62	5310	0.58	0.81	3.71	11	Pass
102	5510	2.90	2.95	5.94	11	Pass
110	5550	3.67	3.03	6.37	11	Pass
134	5670	2.07	2.37	5.23	11	Pass
142 (U-NII-2C)	5710	2.16	2.38	5.28	11	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 5.45 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-2.25	-2.15	0.81	17	Pass
58	5290	-2.85	-2.51	0.33	11	Pass
106	5530	-1.03	-0.96	2.02	11	Pass
122	5610	0.18	-0.01	3.10	11	Pass
138 (U-NII-2C)	5690	0.16	-0.22	2.98	11	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 5.45 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-6.30	-7.06	-3.65	17	Pass
50 (U-NII-2A)	5250	-5.68	-6.24	-2.94	11	Pass
114	5570	-4.98	-5.26	-2.11	11	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 5.45 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.45 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.74 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-1.88	-2.60	0.79	3.01	30	Pass
149	5745	3.00	3.06	6.04	8.26	30	Pass
157	5785	4.16	3.84	7.01	9.23	30	Pass
165	5825	3.36	3.14	6.26	8.48	30	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 5.63 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-3.31	-3.87	-0.57	1.65	30	Pass
149	5745	2.00	1.87	4.95	7.17	30	Pass
157	5785	3.13	3.18	6.17	8.39	30	Pass
165	5825	2.31	1.95	5.14	7.36	30	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 5.63 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-7.51	-7.35	-4.42	-2.20	30	Pass
151	5755	-1.90	-2.82	0.67	2.89	30	Pass
159	5795	-1.66	-1.89	1.24	3.46	30	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 5.63 dBi < 6 dBi, so the power density limit shall not be reduced.

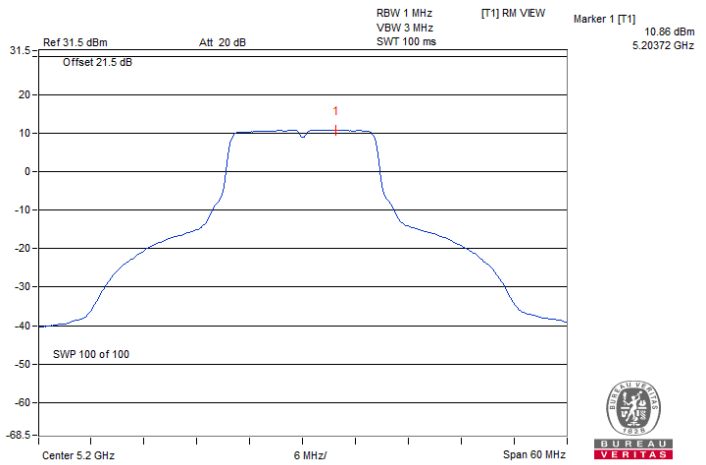
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-9.88	-10.30	-7.07	-4.85	30	Pass
155	5775	-7.87	-8.30	-5.07	-2.85	30	Pass

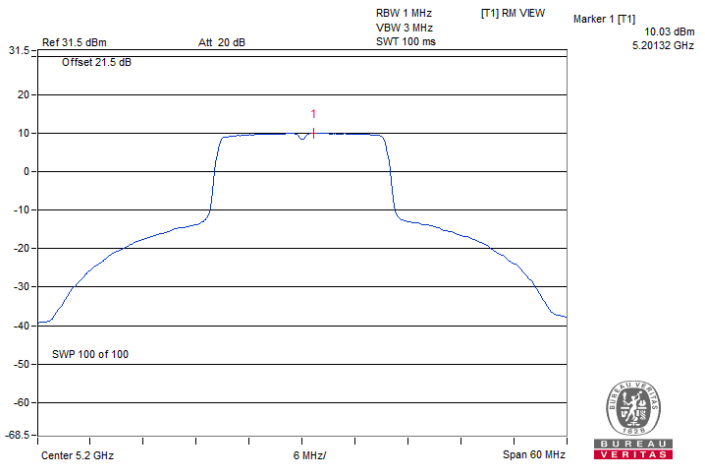
Notes:

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 5.63 dBi < 6 dBi, so the power density limit shall not be reduced.

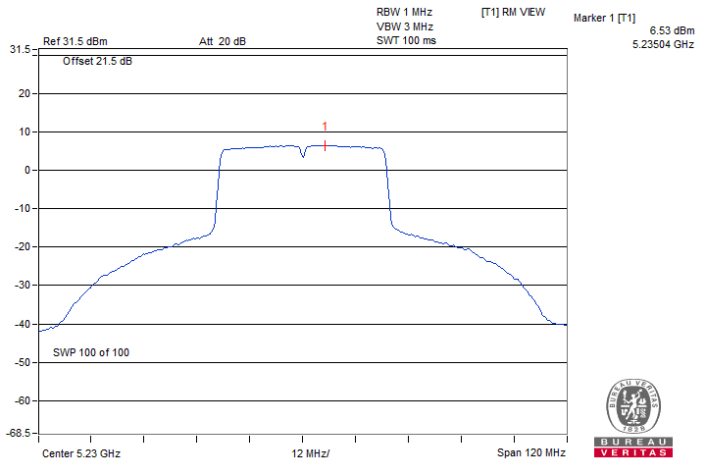
Spectrum Plot of Maximum Value



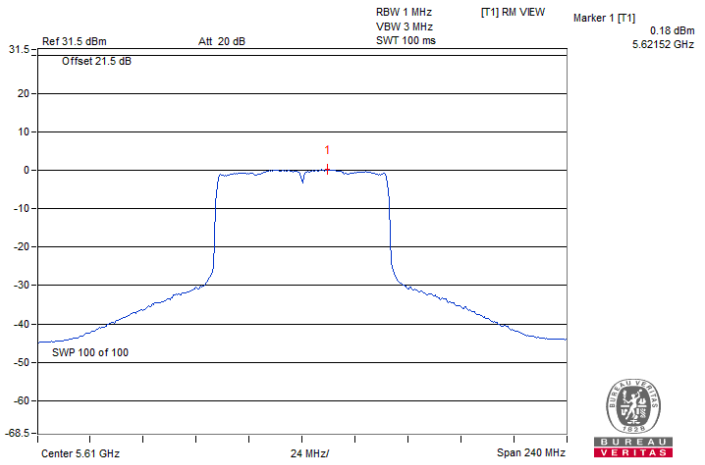
802.11a / Chain 1 : CH 40



802.11ax (HE20) / Chain 0 : CH 40

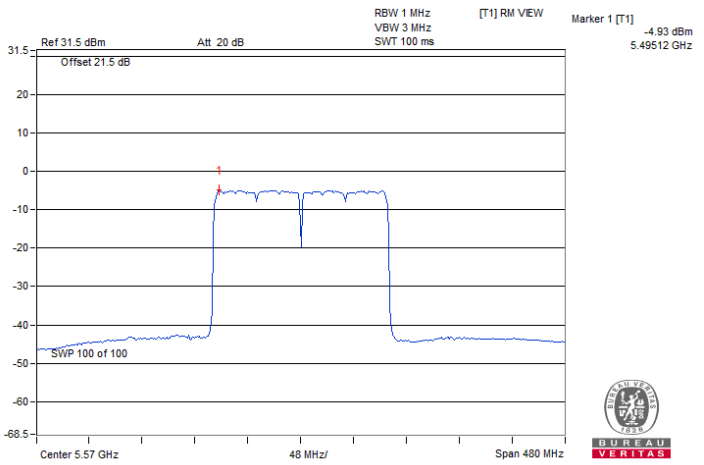


802.11ax (HE40) / Chain 0 : CH 46

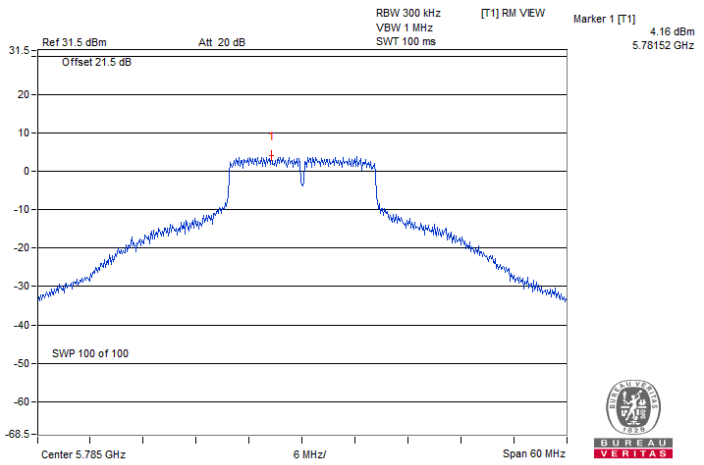


802.11ax (HE80) / Chain 0 : CH 122

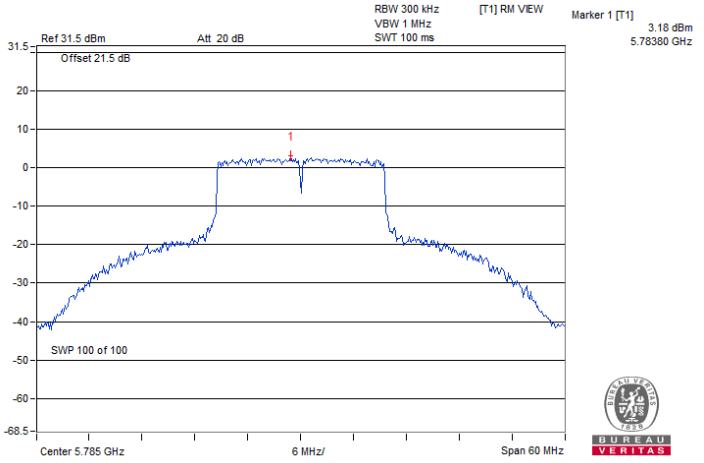
Spectrum Plot of Maximum Value



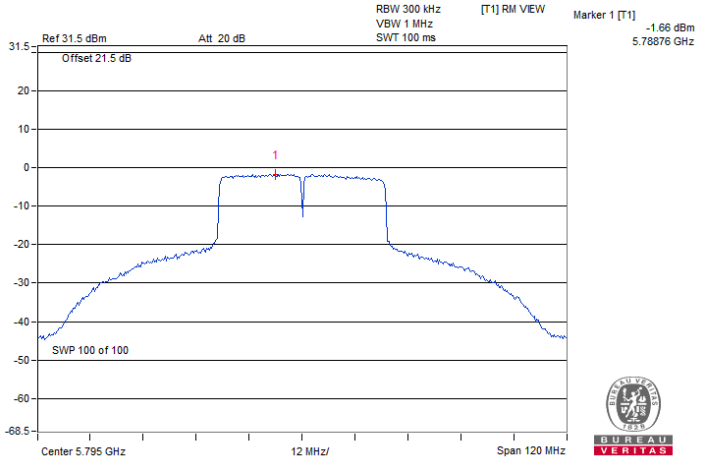
802.11ax (HE160) / Chain 0 : CH 114



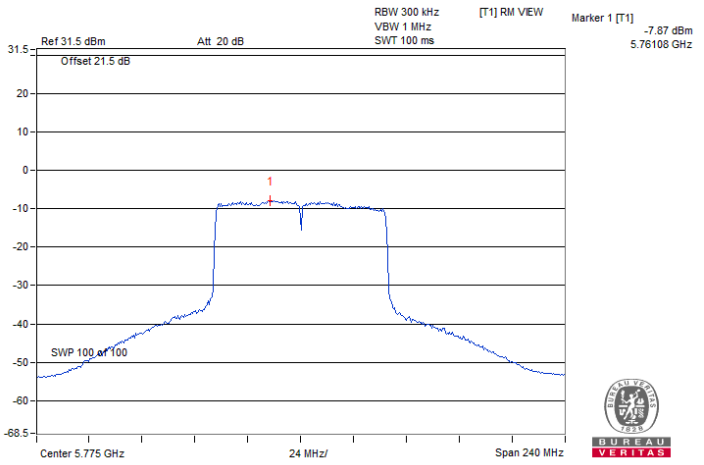
802.11a / Chain 0 : CH 157



802.11ax (HE20) / Chain 1 : CH 157



802.11ax (HE40) / Chain 0 : CH 159



802.11ax (HE80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 65% RH	Tested By:	Katina Lu

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.18	3.19	0.5	Pass
149	5745	16.37	16.36	0.5	Pass
157	5785	16.38	16.36	0.5	Pass
165	5825	16.37	16.36	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.45	4.48	0.5	Pass
149	5745	18.48	18.79	0.5	Pass
157	5785	18.37	18.47	0.5	Pass
165	5825	18.46	17.99	0.5	Pass

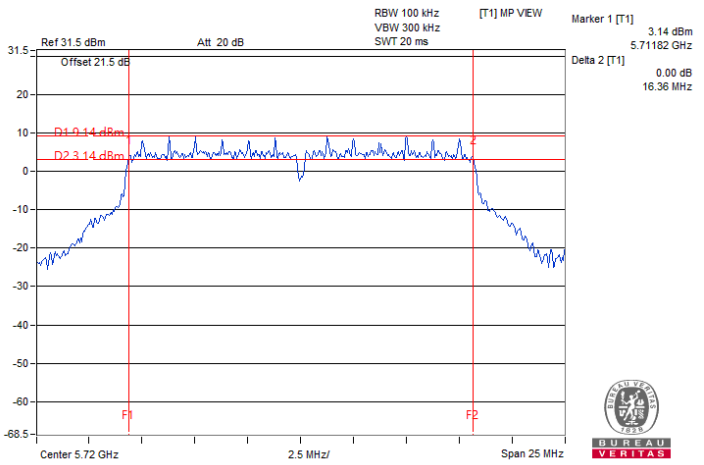
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.45	3.41	0.5	Pass
151	5755	36.12	36.23	0.5	Pass
159	5795	36.94	35.84	0.5	Pass

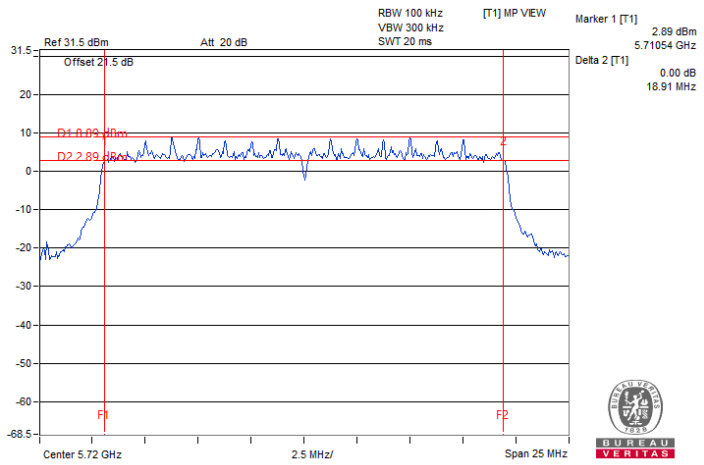
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.86	2.74	0.5	Pass
155	5775	75.56	75.50	0.5	Pass

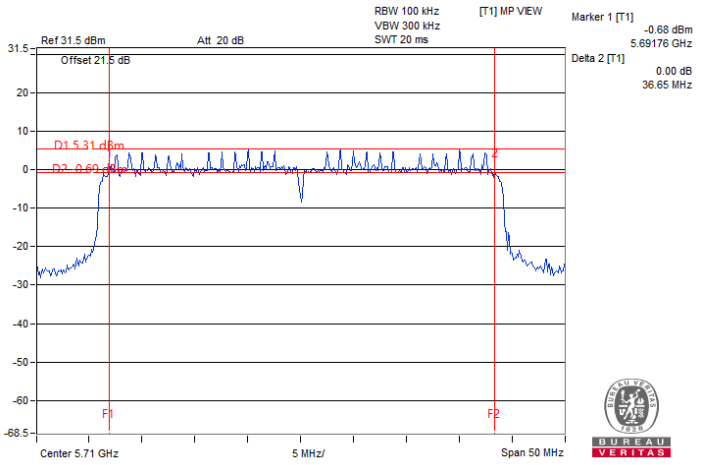
Spectrum Plot of Minimum Value



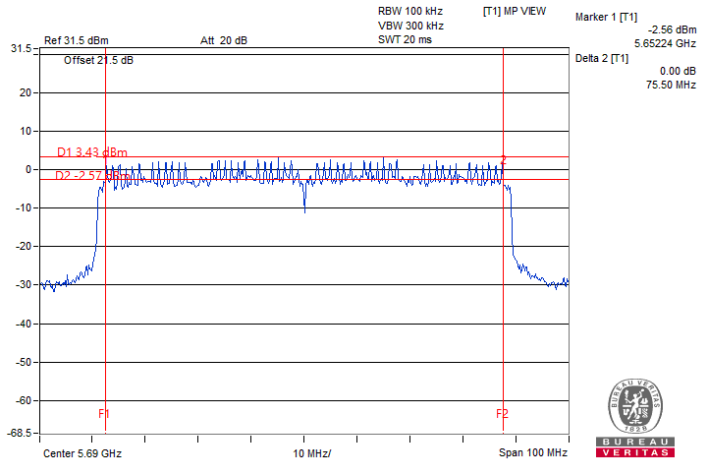
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 65% RH	Tested By:	Katina Lu

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.52	17.16
40	5200	20.76	18.24
48	5240	17.88	17.40
52	5260	17.28	17.16
60	5300	17.28	17.16
64	5320	17.40	17.28
100	5500	17.28	17.16
116	5580	17.16	17.16
140	5700	17.04	16.80
144 (U-NII-2C)	5720	13.64	13.52
144 (U-NII-3)	5720	3.64	3.52
149	5745	26.64	18.84
157	5785	33.48	21.84
165	5825	28.08	23.40

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.20	19.20
40	5200	19.68	19.32
48	5240	19.44	19.20
52	5260	19.20	19.20
60	5300	19.32	19.20
64	5320	19.20	19.20
100	5500	19.32	19.20
116	5580	19.20	19.20
140	5700	19.08	19.08
144 (U-NII-2C)	5720	14.72	14.60
144 (U-NII-3)	5720	4.60	4.60
149	5745	27.12	19.44
157	5785	35.65	22.80
165	5825	28.92	23.76

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	38.64	38.16
54	5270	37.92	37.92
62	5310	37.92	36.96
102	5510	37.92	37.92
110	5550	38.64	37.92
134	5670	37.92	37.92
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.96	3.96
151	5755	37.92	37.92
159	5795	46.80	38.40

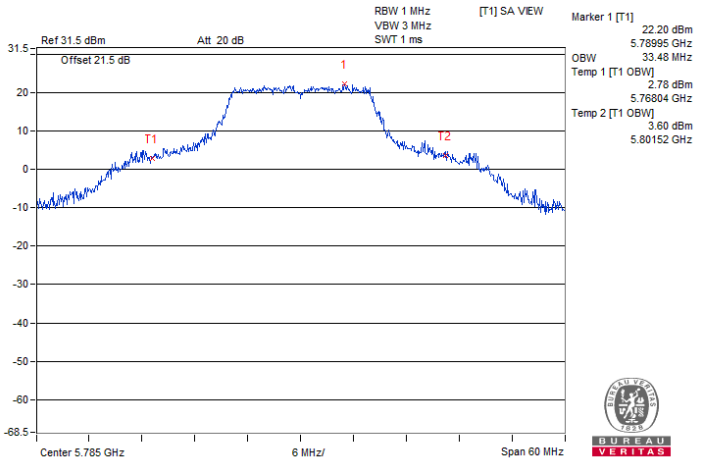
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
58	5290	76.80	76.80
106	5530	77.28	76.80
122	5610	77.28	76.80
138 (U-NII-2C)	5690	73.40	73.40
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.28	76.80

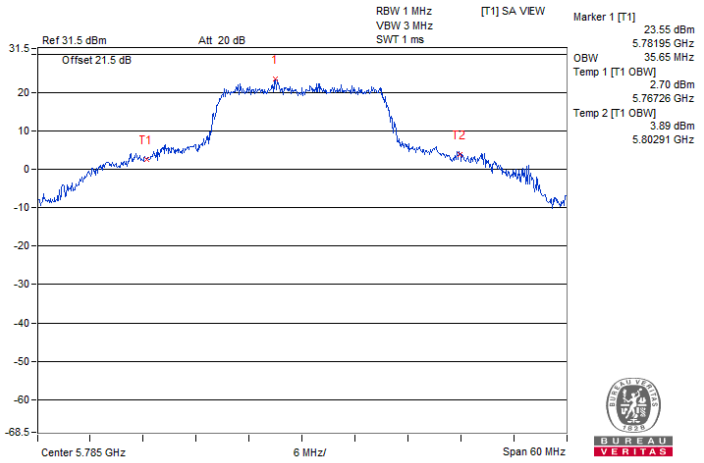
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	77.76
50 (U-NII-2A)	5250	77.76	77.76
114	5570	156.48	156.48

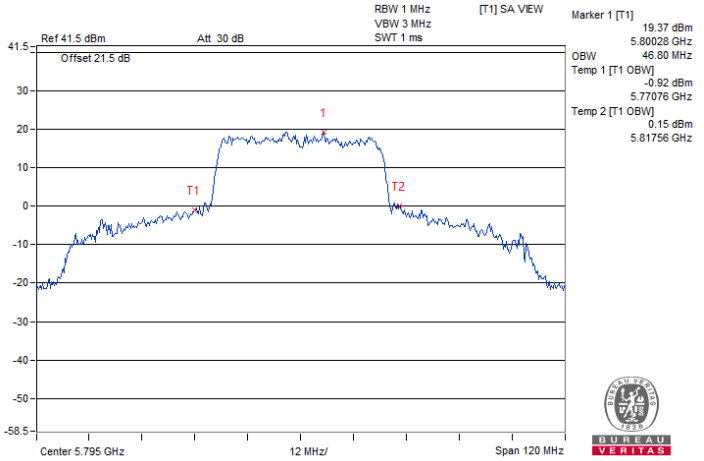
Spectrum Plot of Maximum Value



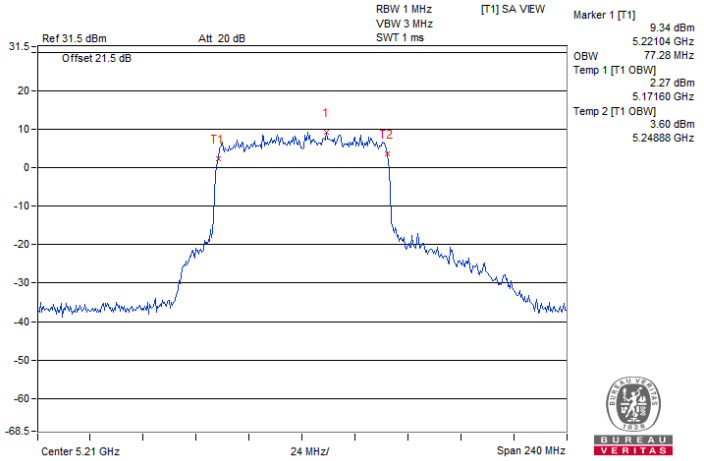
802.11a / Chain 0 : CH 157



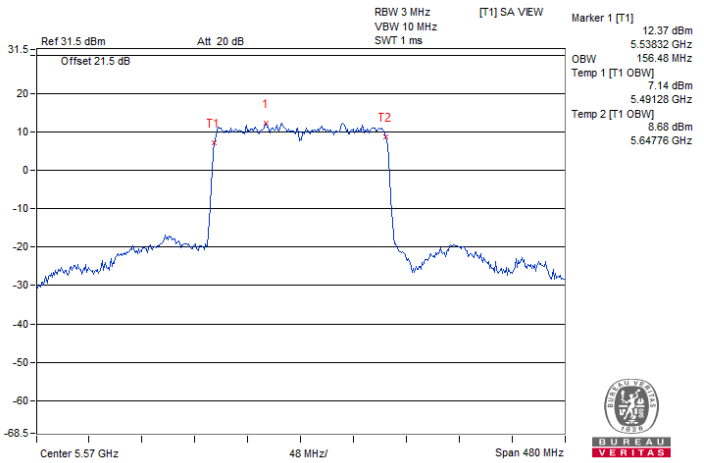
802.11ax (HE20) / Chain 0 : CH 157



802.11ax (HE40) / Chain 0 : CH 159



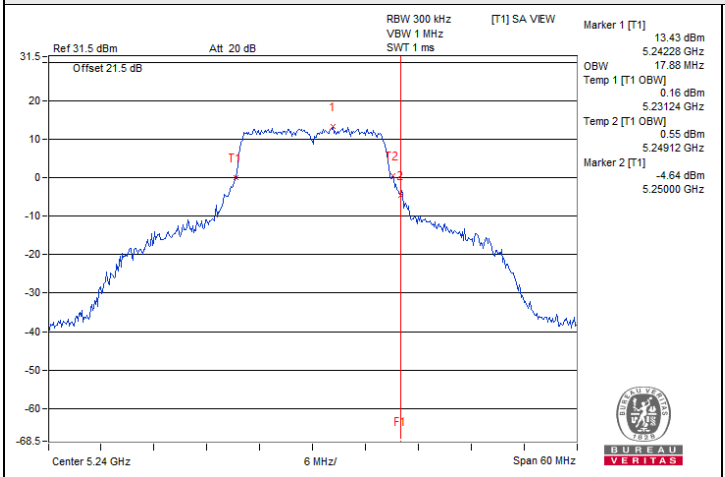
802.11ax (HE80) / Chain 0 : CH 42



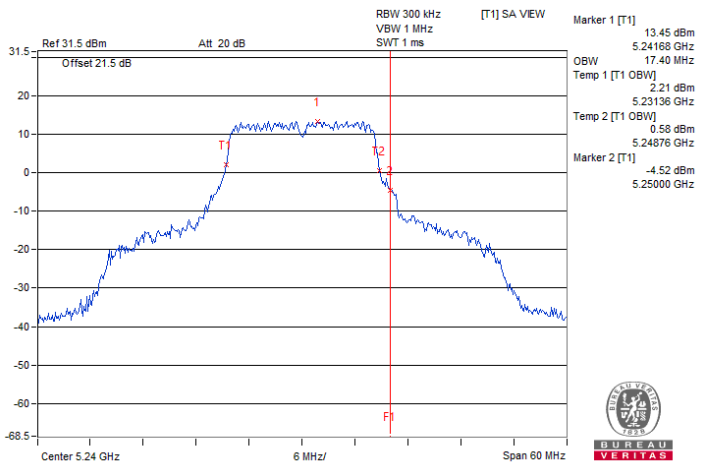
802.11ax (HE160) / Chain 0 : CH 114

Spectrum Plot for nearby DFS band

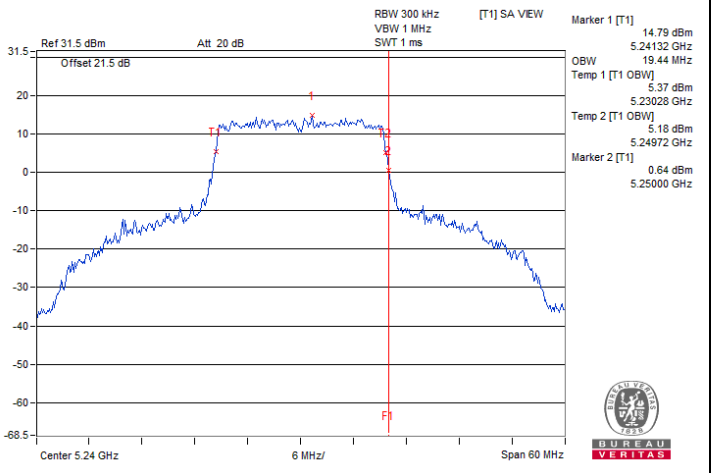
(DFS is required, if 99% OCP straddle into U-NII-2A)



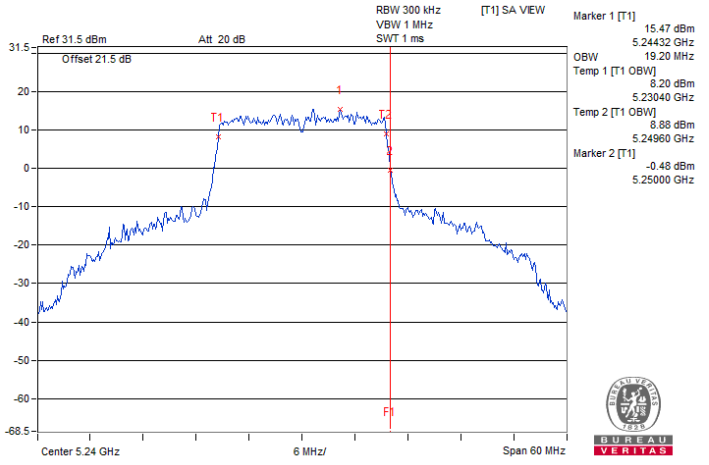
802.11a / Chain 0 : CH 48



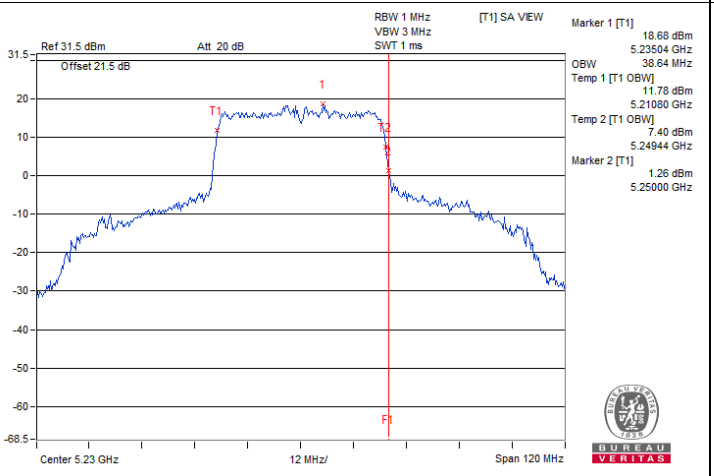
802.11a / Chain 1 : CH 48



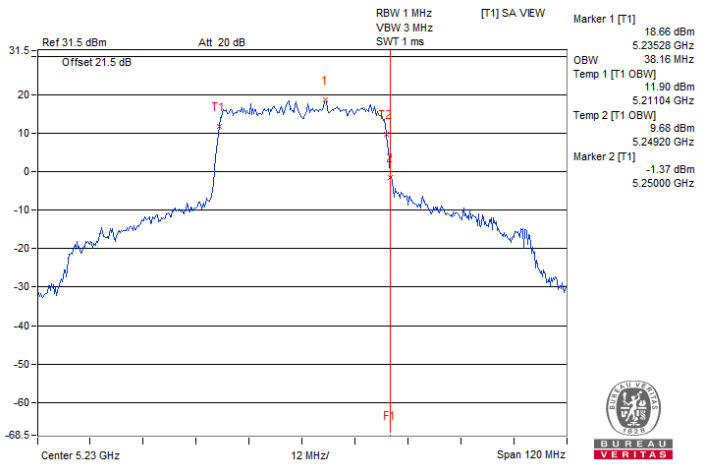
802.11ax (HE20) / Chain 0 : CH 48



802.11ax (HE20) / Chain 1 : CH 48



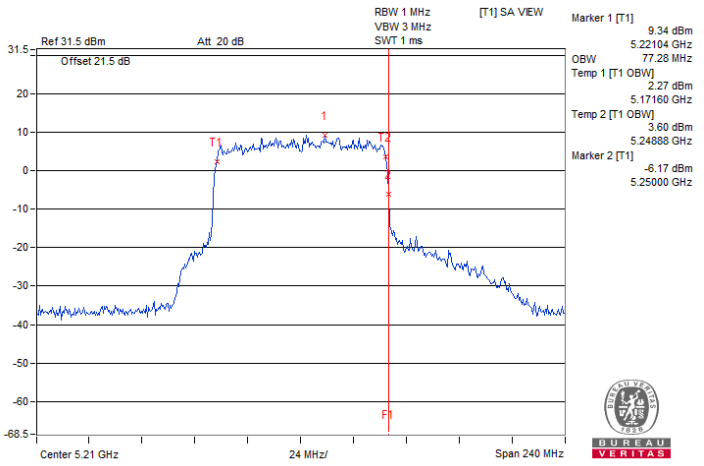
802.11ax (HE40) / Chain 0 : CH 46



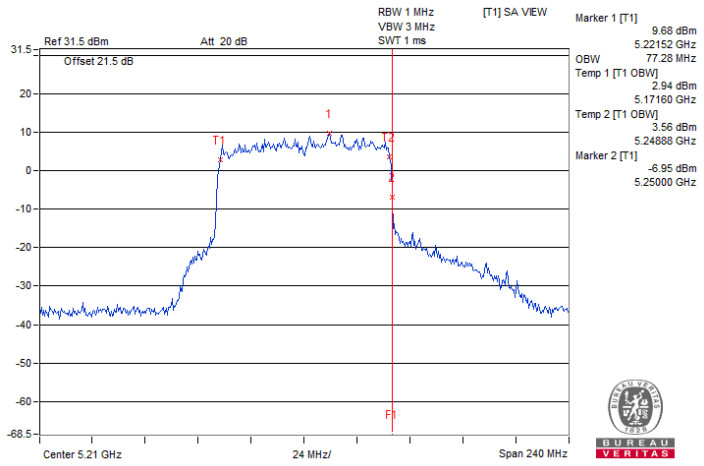
802.11ax (HE40) / Chain 1 : CH 46

Spectrum Plot for nearby DFS band

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



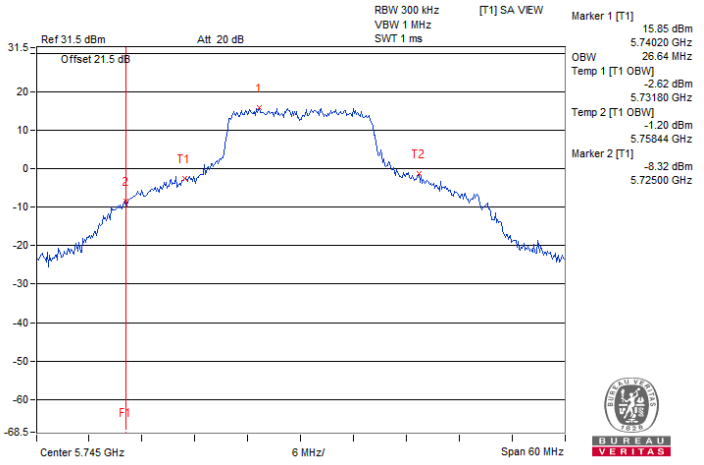
802.11ax (HE80) / Chain 0 : CH 42



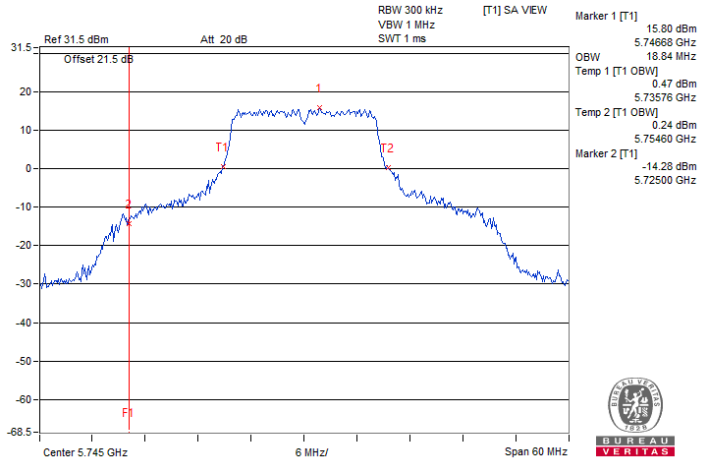
802.11ax (HE80) / Chain 1 : CH 42

Spectrum Plot for nearby DFS band

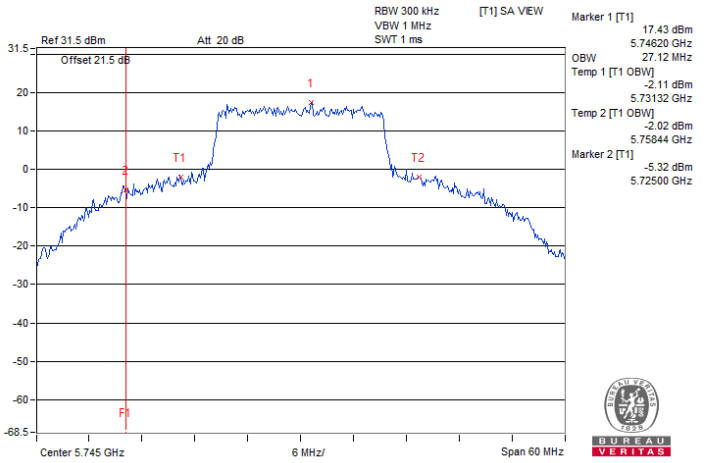
(DFS is required, if 99% OCP straddle into U-NII-2C)



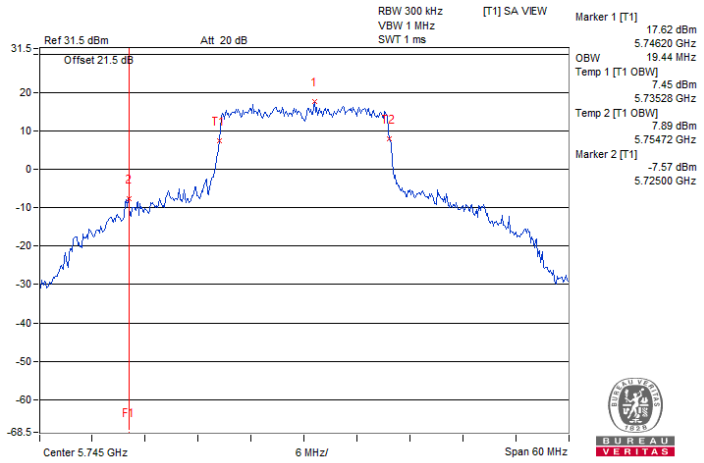
802.11a / Chain 0 : CH 149



802.11a / Chain 1 : CH 149



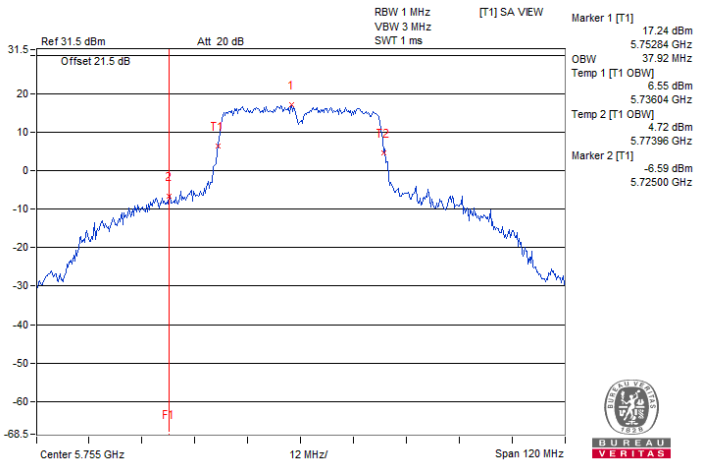
802.11ax (HE20) / Chain 0 : CH 149



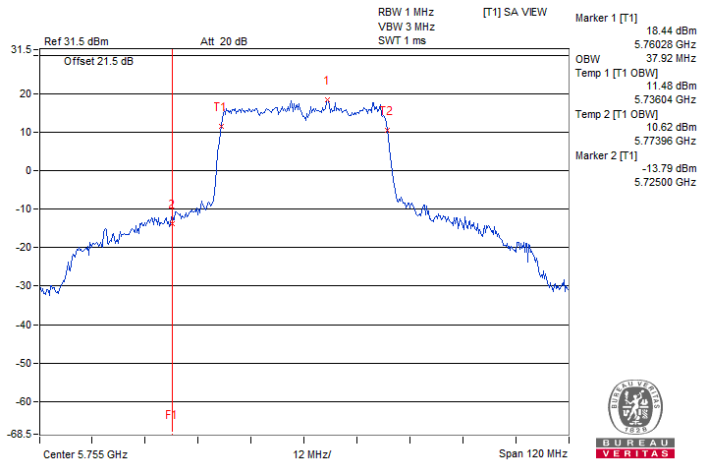
802.11ax (HE20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

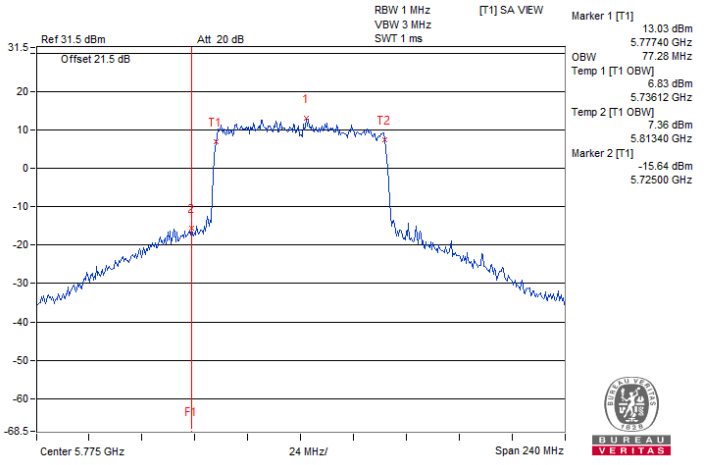
(DFS is required, if 99% OCP straddle into U-NII-2C)



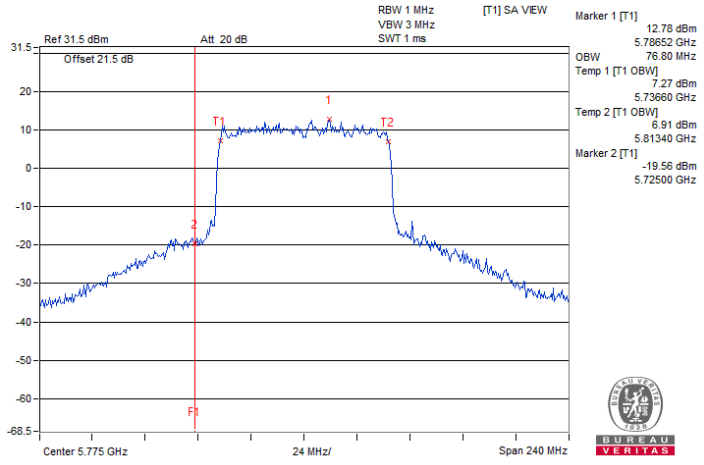
802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE40) / Chain 1 : CH 151



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 65% RH	Tested By:	Katina Lu

802.11a

Frequency Stability Versus Temperature									
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
40	120	5180.0099	Pass	5180.0088	Pass	5180.0108	Pass	5180.0099	Pass
30	120	5179.9963	Pass	5179.9973	Pass	5179.9956	Pass	5179.9956	Pass
20	120	5179.9869	Pass	5179.9896	Pass	5179.9918	Pass	5179.9879	Pass
10	120	5179.9982	Pass	5179.9999	Pass	5179.9985	Pass	5179.9989	Pass
0	120	5180.015	Pass	5180.0147	Pass	5180.0141	Pass	5180.0121	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	5179.9956	Pass	5179.9978	Pass	5179.9951	Pass	5179.9957	Pass
	120	5179.9869	Pass	5179.9896	Pass	5179.9918	Pass	5179.9879	Pass
	102	5179.9834	Pass	5179.9837	Pass	5179.9852	Pass	5179.9822	Pass

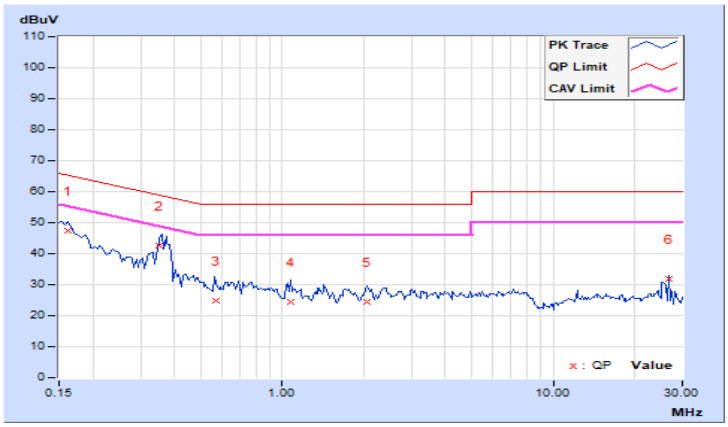
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Carter Lin		

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	9.96	37.31	21.31	47.27	31.27	65.38	55.38	-18.11	-24.11
2	**0.35068**	**9.97**	**32.75**	**32.53**	**42.72**	**42.50**	**58.95**	**48.95**	**-16.23**	**-6.45**
3	0.56793	9.98	14.86	7.82	24.84	17.80	56.00	46.00	-31.16	-28.20
4	1.07427	10.00	14.53	10.31	24.53	20.31	56.00	46.00	-31.47	-25.69
5	2.06645	10.05	14.21	7.28	24.26	17.33	56.00	46.00	-31.74	-28.67
6	26.74602	11.21	20.77	18.49	31.98	29.70	60.00	50.00	-28.02	-20.30

Remarks:

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

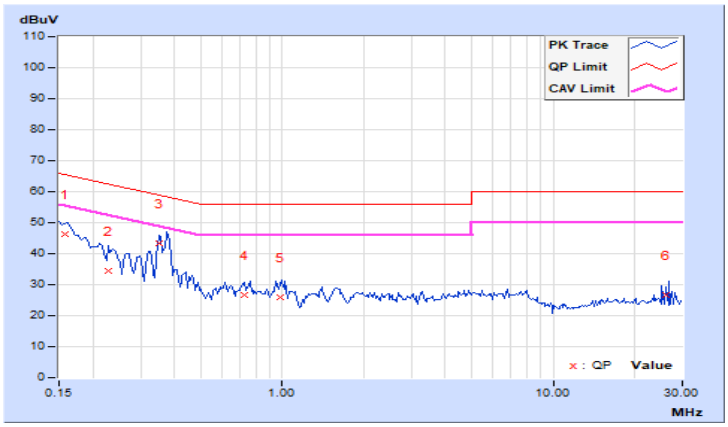


RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Carter Lin		

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	0.15783	9.93	36.41	21.82	46.34	31.75	65.58	55.58	-19.24	-23.83
2	0.22818	9.94	24.39	11.51	34.33	21.45	62.52	52.52	-28.19	-31.07
3	0.34931	9.94	33.54	31.68	43.48	41.62	58.98	48.98	-15.50	-7.36
4	0.72812	9.96	16.57	14.56	26.53	24.52	56.00	46.00	-29.47	-21.48
5	0.98208	9.97	15.91	12.31	25.88	22.28	56.00	46.00	-30.12	-23.72
6	25.98042	10.86	15.80	11.79	26.66	22.65	60.00	50.00	-33.34	-27.35

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



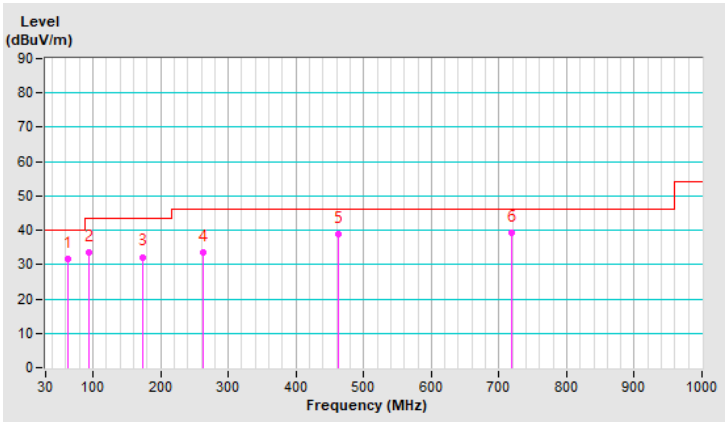
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% 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	63.35	31.5 QP	40.0	-8.5	1.50 H	324	44.6	-13.1
2	94.59	33.7 QP	43.5	-9.8	1.00 H	45	50.9	-17.2
3	173.61	32.2 QP	43.5	-11.3	1.50 H	247	44.5	-12.3
4	262.03	33.4 QP	46.0	-12.6	1.00 H	289	45.3	-11.9
5	463.06	39.0 QP	46.0	-7.0	2.00 H	352	44.4	-5.4
6	719.28	39.1 QP	46.0	-6.9	1.00 H	17	39.2	-0.1

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 of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

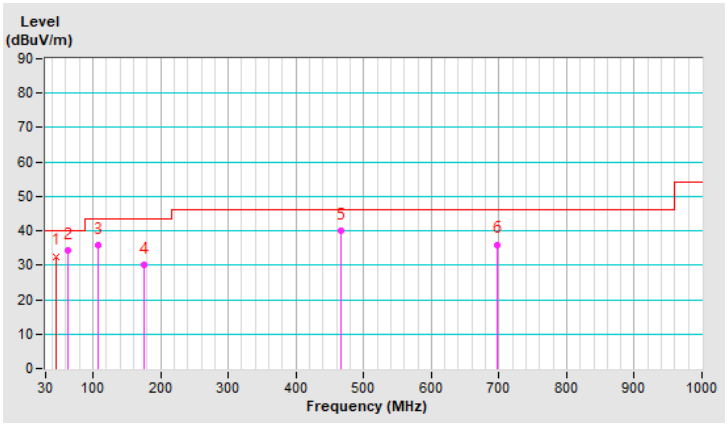


RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	46.45	32.6 QP	40.0	-7.4	1.00 V	16	44.7	-12.1
2	**63.51**	**34.2 QP**	**40.0**	**-5.8**	**1.50 V**	**331**	**47.4**	**-13.2**
3	108.49	35.8 QP	43.5	-7.7	1.00 V	138	50.5	-14.7
4	174.85	30.2 QP	43.5	-13.3	2.00 V	174	42.7	-12.5
5	466.47	40.1 QP	46.0	-5.9	1.00 V	339	45.5	-5.4
6	697.32	36.0 QP	46.0	-10.0	1.50 V	23	36.3	-0.3

Remarks:

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



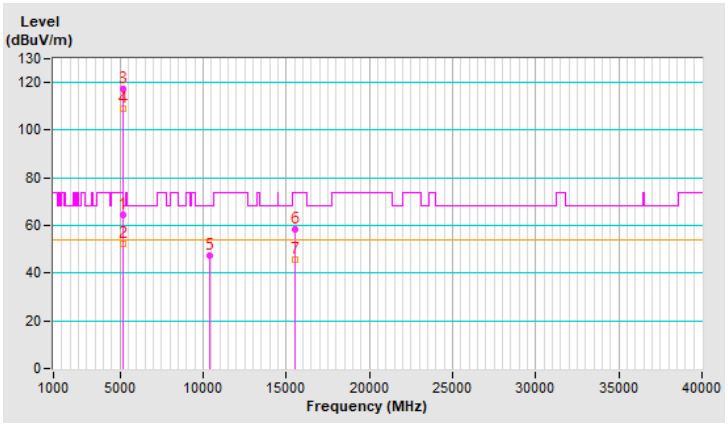
7.9 Unwanted Emissions above 1 GHz

RF Mode	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**	20°C, 70% 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	64.4 PK	74.0	-9.6	2.31 H	211	59.9	4.5
2	5150.00	52.3 AV	54.0	-1.7	2.31 H	211	47.8	4.5
3	*5180.00	117.4 PK			2.31 H	211	112.9	4.5
4	*5180.00	108.9 AV			2.31 H	211	104.4	4.5
5	#10360.00	47.4 PK	68.2	-20.8	1.69 H	213	33.4	14.0
6	15540.00	58.5 PK	74.0	-15.5	1.56 H	0	44.5	14.0
7	15540.00	45.9 AV	54.0	-8.1	1.56 H	0	31.9	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

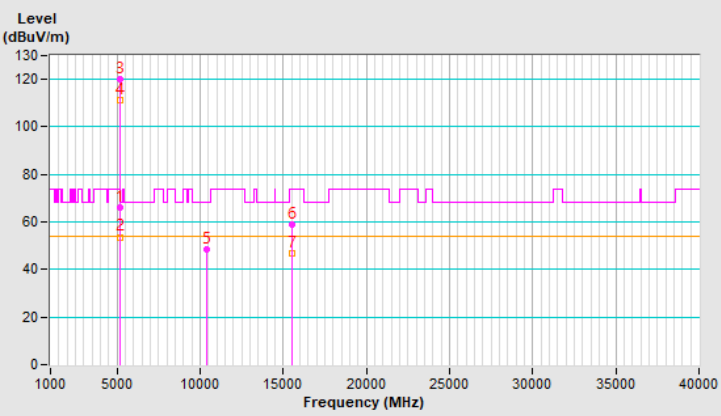


RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	66.2 PK	74.0	-7.8	1.62 V	13	61.7	4.5
2	5150.00	53.7 AV	54.0	-0.3	1.62 V	13	49.2	4.5
3	*5180.00	120.0 PK			1.62 V	13	115.5	4.5
4	*5180.00	111.1 AV			1.62 V	13	106.6	4.5
5	#10360.00	48.2 PK	68.2	-20.0	1.40 V	124	34.2	14.0
6	15540.00	59.1 PK	74.0	-14.9	1.30 V	321	45.1	14.0
7	15540.00	47.0 AV	54.0	-7.0	1.30 V	321	33.0	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

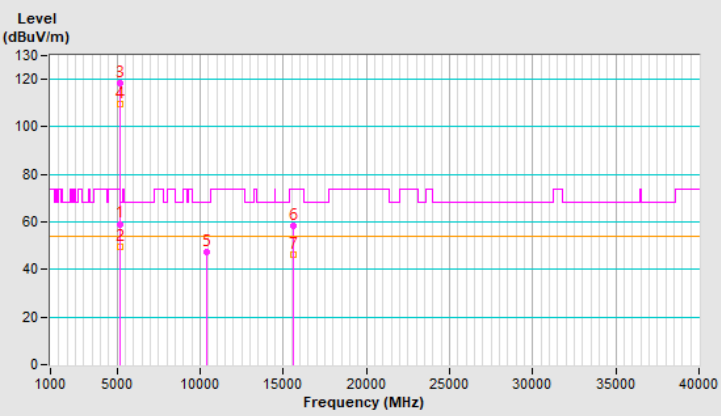


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	59.2 PK	74.0	-14.8	1.10 H	136	54.7	4.5
2	5150.00	49.8 AV	54.0	-4.2	1.10 H	136	45.3	4.5
3	*5200.00	118.2 PK			1.10 H	136	113.9	4.3
4	*5200.00	109.8 AV			1.10 H	136	105.5	4.3
5	#10400.00	47.5 PK	68.2	-20.7	1.61 H	217	33.4	14.1
6	15600.00	58.4 PK	74.0	-15.6	1.57 H	0	44.1	14.3
7	15600.00	46.0 AV	54.0	-8.0	1.57 H	0	31.7	14.3

Remarks:

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

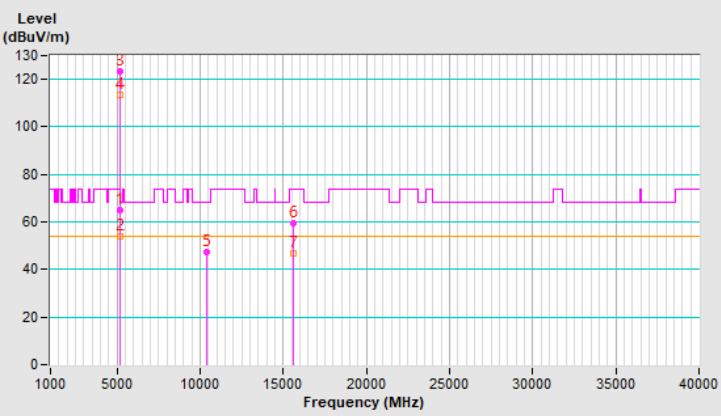


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	65.1 PK	74.0	-8.9	1.86 V	21	60.6	4.5
2	**5150.00**	**53.8 AV**	**54.0**	**-0.2**	**1.86 V**	**21**	**49.3**	**4.5**
3	*5200.00	123.2 PK			1.86 V	21	118.9	4.3
4	*5200.00	113.7 AV			1.86 V	21	109.4	4.3
5	#10400.00	47.6 PK	68.2	-20.6	1.81 V	223	33.5	14.1
6	15600.00	59.3 PK	74.0	-14.7	1.63 V	189	45.0	14.3
7	15600.00	46.8 AV	54.0	-7.2	1.63 V	189	32.5	14.3

Remarks:

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

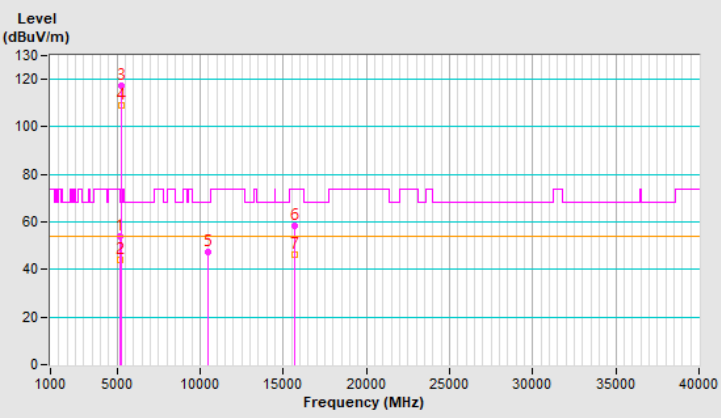


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	54.2 PK	74.0	-19.8	2.34 H	203	49.7	4.5
2	5150.00	44.3 AV	54.0	-9.7	2.34 H	203	39.8	4.5
3	*5240.00	117.5 PK			2.34 H	203	113.5	4.0
4	*5240.00	108.8 AV			2.34 H	203	104.8	4.0
5	#10480.00	47.6 PK	68.2	-20.6	1.68 H	201	33.5	14.1
6	15720.00	58.6 PK	74.0	-15.4	1.63 H	14	44.2	14.4
7	15720.00	46.2 AV	54.0	-7.8	1.63 H	14	31.8	14.4

Remarks:

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

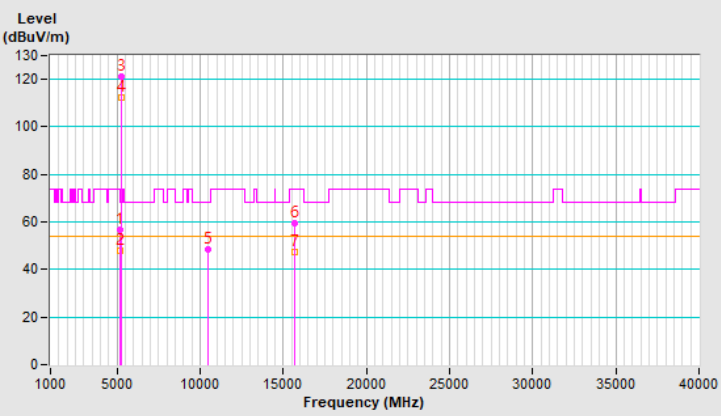


RF Mode	802.11a	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	5145.77	56.8 PK	74.0	-17.2	1.74 V	18	52.3	4.5
2	5145.77	48.0 AV	54.0	-6.0	1.74 V	18	43.5	4.5
3	*5240.00	121.4 PK			1.74 V	18	117.4	4.0
4	*5240.00	112.2 AV			1.74 V	18	108.2	4.0
5	#10480.00	48.6 PK	68.2	-19.6	1.38 V	146	34.5	14.1
6	15720.00	59.3 PK	74.0	-14.7	1.30 V	300	44.9	14.4
7	15720.00	47.2 AV	54.0	-6.8	1.30 V	300	32.8	14.4

Remarks:

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

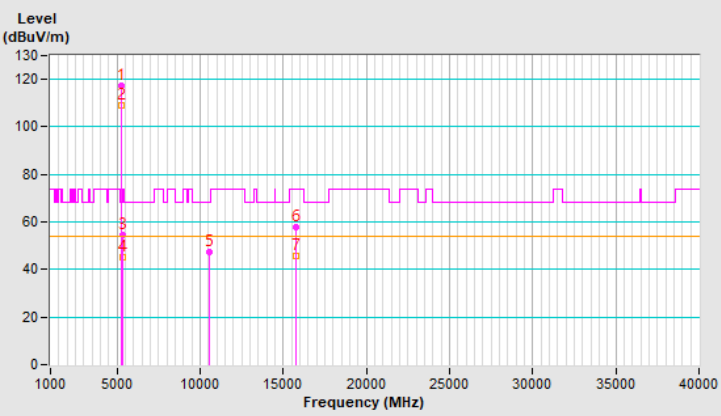


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	*5260.00	117.3 PK			2.15 H	138	113.3	4.0
2	*5260.00	108.8 AV			2.15 H	138	104.8	4.0
3	5350.00	54.4 PK	74.0	-19.6	2.15 H	138	50.2	4.2
4	5350.00	45.1 AV	54.0	-8.9	2.15 H	138	40.9	4.2
5	#10520.00	47.6 PK	68.2	-20.6	1.64 H	215	33.4	14.2
6	15780.00	57.7 PK	74.0	-16.3	1.55 H	0	43.2	14.5
7	15780.00	45.7 AV	54.0	-8.3	1.55 H	0	31.2	14.5

Remarks:

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

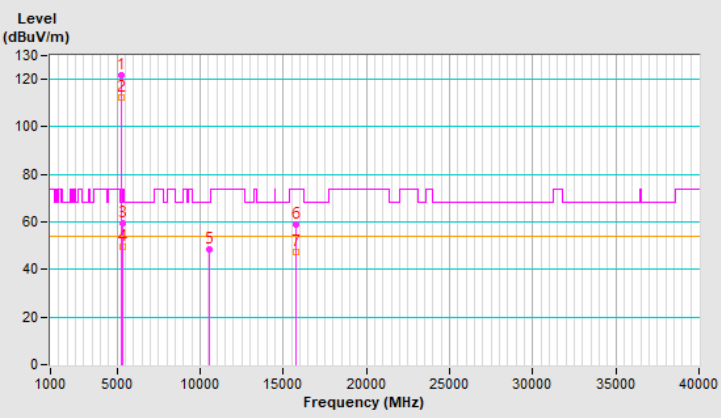


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	*5260.00	121.6 PK			1.82 V	16	117.6	4.0
2	*5260.00	112.5 AV			1.82 V	16	108.5	4.0
3	5360.33	59.3 PK	74.0	-14.7	1.82 V	16	55.1	4.2
4	5360.33	49.5 AV	54.0	-4.5	1.82 V	16	45.3	4.2
5	#10520.00	48.4 PK	68.2	-19.8	1.44 V	122	34.2	14.2
6	15780.00	58.9 PK	74.0	-15.1	1.35 V	302	44.4	14.5
7	15780.00	47.1 AV	54.0	-6.9	1.35 V	302	32.6	14.5

Remarks:

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

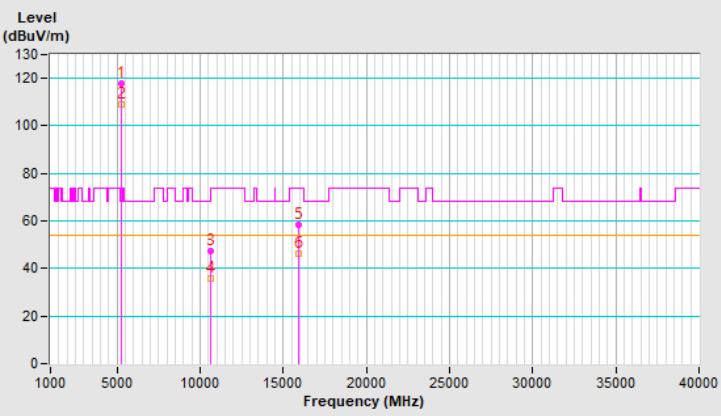


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	118.1 PK			2.20 H	134	114.1	4.0
2	*5300.00	109.2 AV			2.20 H	134	105.2	4.0
3	10600.00	47.2 PK	74.0	-26.8	1.68 H	207	33.6	13.6
4	10600.00	36.0 AV	54.0	-18.0	1.68 H	207	22.4	13.6
5	15900.00	58.4 PK	74.0	-15.6	1.63 H	17	44.0	14.4
6	15900.00	46.3 AV	54.0	-7.7	1.63 H	17	31.9	14.4

Remarks:

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

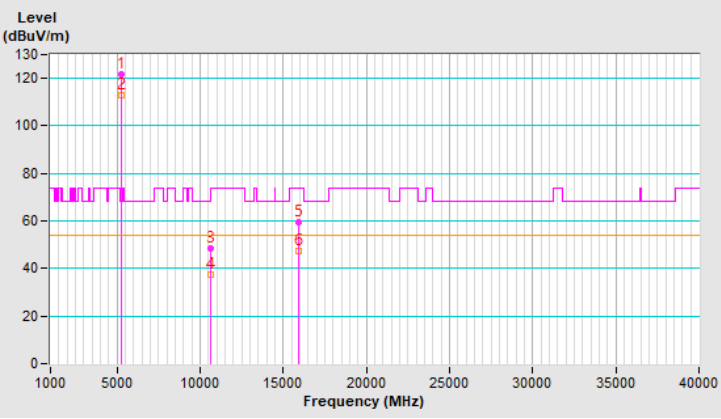


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	121.8 PK			1.78 V	26	117.8	4.0
2	*5300.00	112.8 AV			1.78 V	26	108.8	4.0
3	10600.00	48.4 PK	74.0	-25.6	1.46 V	131	34.8	13.6
4	10600.00	37.2 AV	54.0	-16.8	1.46 V	131	23.6	13.6
5	15900.00	59.4 PK	74.0	-14.6	1.34 V	300	45.0	14.4
6	15900.00	47.4 AV	54.0	-6.6	1.34 V	300	33.0	14.4

Remarks:

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

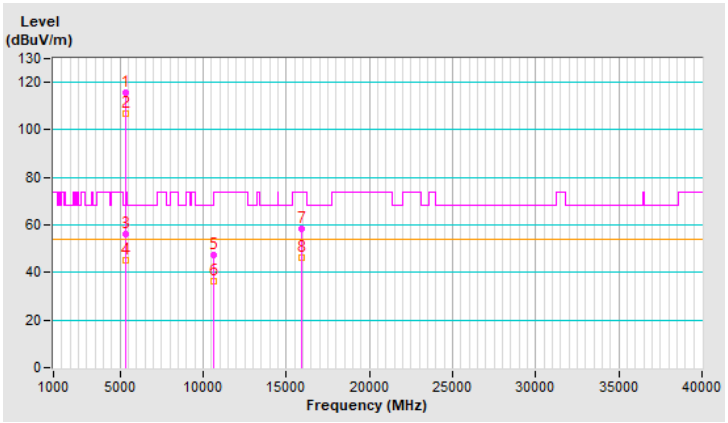


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	115.5 PK			2.16 H	140	111.4	4.1
2	*5320.00	106.7 AV			2.16 H	140	102.6	4.1
3	5350.00	56.4 PK	74.0	-17.6	2.16 H	140	52.2	4.2
4	5350.00	45.4 AV	54.0	-8.6	2.16 H	140	41.2	4.2
5	10640.00	47.3 PK	74.0	-26.7	1.60 H	206	33.6	13.7
6	10640.00	36.1 AV	54.0	-17.9	1.60 H	206	22.4	13.7
7	15960.00	58.3 PK	74.0	-15.7	1.57 H	7	43.4	14.9
8	15960.00	46.0 AV	54.0	-8.0	1.57 H	7	31.1	14.9

Remarks:

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

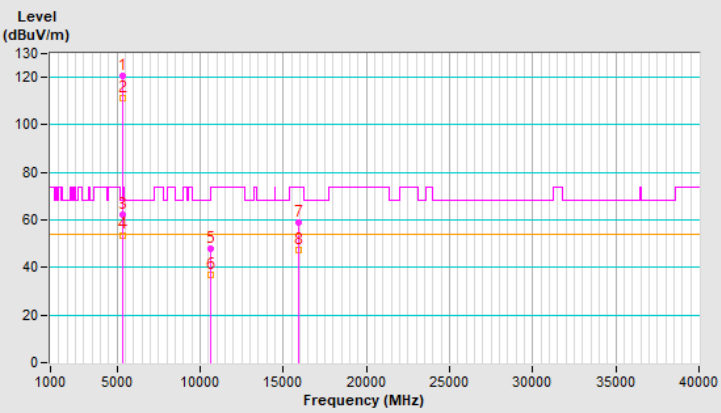


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	120.5 PK			1.84 V	9	116.4	4.1
2	*5320.00	111.3 AV			1.84 V	9	107.2	4.1
3	5350.00	62.0 PK	74.0	-12.0	1.84 V	9	57.8	4.2
4	5350.00	53.7 AV	54.0	-0.3	1.84 V	9	49.5	4.2
5	10640.00	47.9 PK	74.0	-26.1	1.46 V	131	34.2	13.7
6	10640.00	36.8 AV	54.0	-17.2	1.46 V	131	23.1	13.7
7	15960.00	59.0 PK	74.0	-15.0	1.28 V	323	44.1	14.9
8	15960.00	47.1 AV	54.0	-6.9	1.28 V	323	32.2	14.9

Remarks:

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

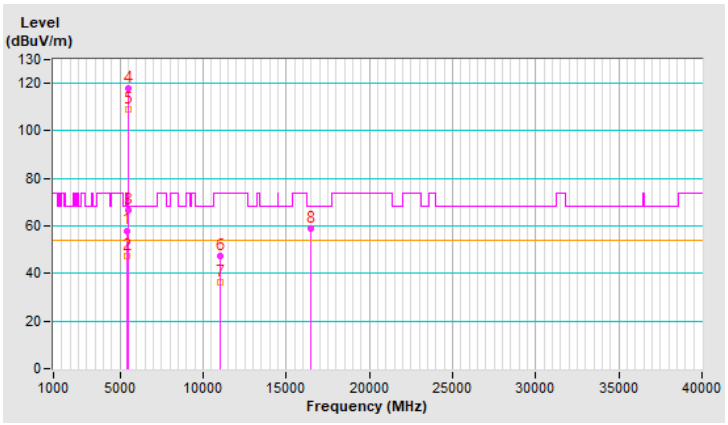


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	5458.90	58.1 PK	74.0	-15.9	2.18 H	150	53.7	4.4
2	5458.90	47.2 AV	54.0	-6.8	2.18 H	150	42.8	4.4
3	#5464.73	66.6 PK	68.2	-1.6	2.18 H	150	62.2	4.4
4	*5500.00	117.7 PK			2.18 H	150	113.2	4.5
5	*5500.00	109.0 AV			2.18 H	150	104.5	4.5
6	11000.00	47.5 PK	74.0	-26.5	1.61 H	210	32.9	14.6
7	11000.00	36.4 AV	54.0	-17.6	1.61 H	210	21.8	14.6
8	#16500.00	58.8 PK	68.2	-9.4	1.61 H	3	42.0	16.8

Remarks:

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

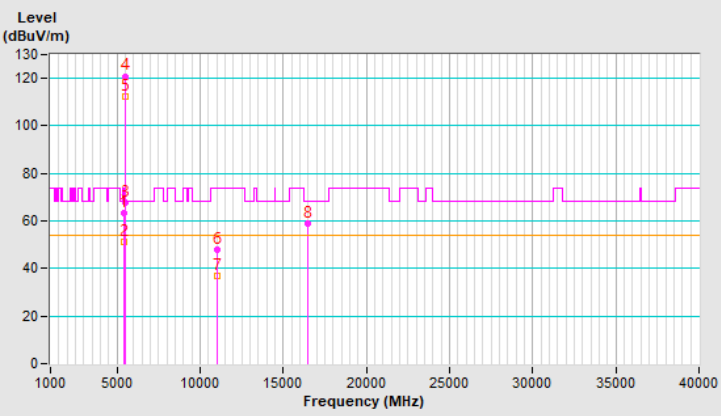


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	5459.62	63.1 PK	74.0	-10.9	1.77 V	12	58.7	4.4
2	5459.62	51.3 AV	54.0	-2.7	1.77 V	12	46.9	4.4
3	#5470.00	67.8 PK	68.2	-0.4	1.77 V	12	63.4	4.4
4	*5500.00	120.9 PK			1.77 V	12	116.4	4.5
5	*5500.00	112.1 AV			1.77 V	12	107.6	4.5
6	11000.00	47.8 PK	74.0	-26.2	1.42 V	124	33.2	14.6
7	11000.00	36.7 AV	54.0	-17.3	1.42 V	124	22.1	14.6
8	#16500.00	58.7 PK	68.2	-9.5	1.27 V	320	41.9	16.8

Remarks:

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

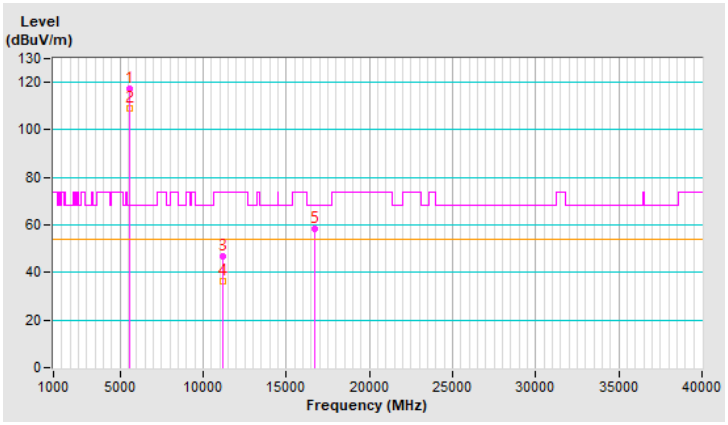


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	117.5 PK			2.15 H	150	113.1	4.4
2	*5580.00	109.0 AV			2.15 H	150	104.6	4.4
3	11160.00	47.0 PK	74.0	-27.0	1.61 H	216	33.0	14.0
4	11160.00	36.2 AV	54.0	-17.8	1.61 H	216	22.2	14.0
5	#16740.00	58.6 PK	68.2	-9.6	1.63 H	23	40.3	18.3

Remarks:

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

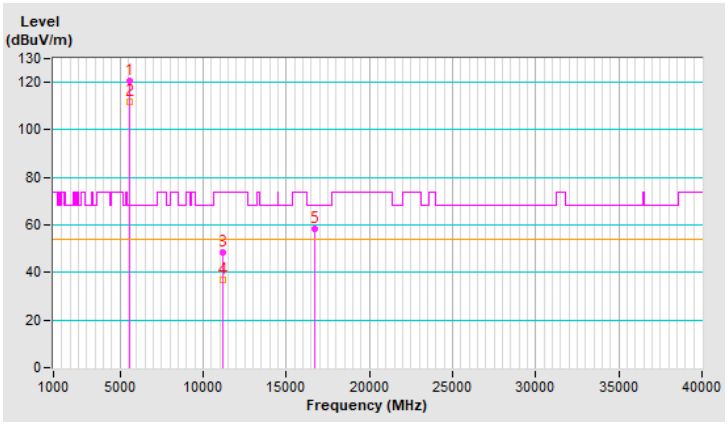


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	120.8 PK			1.72 V	5	116.4	4.4
2	*5580.00	111.7 AV			1.72 V	5	107.3	4.4
3	11160.00	48.6 PK	74.0	-25.4	1.44 V	129	34.6	14.0
4	11160.00	37.1 AV	54.0	-16.9	1.44 V	129	23.1	14.0
5	#16740.00	58.4 PK	68.2	-9.8	1.35 V	316	40.1	18.3

Remarks:

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

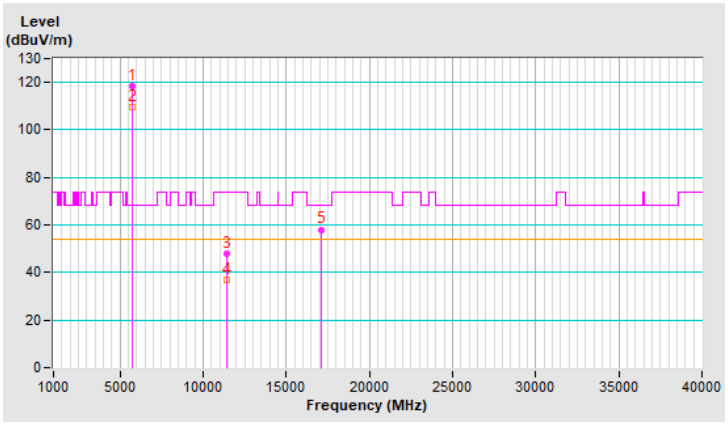


RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	118.3 PK			2.18 H	148	113.8	4.5
2	*5700.00	109.4 AV			2.18 H	148	104.9	4.5
3	11400.00	48.1 PK	74.0	-25.9	1.64 H	200	33.1	15.0
4	11400.00	36.9 AV	54.0	-17.1	1.64 H	200	21.9	15.0
5	#17100.00	58.1 PK	68.2	-10.1	1.55 H	15	38.8	19.3

Remarks:

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

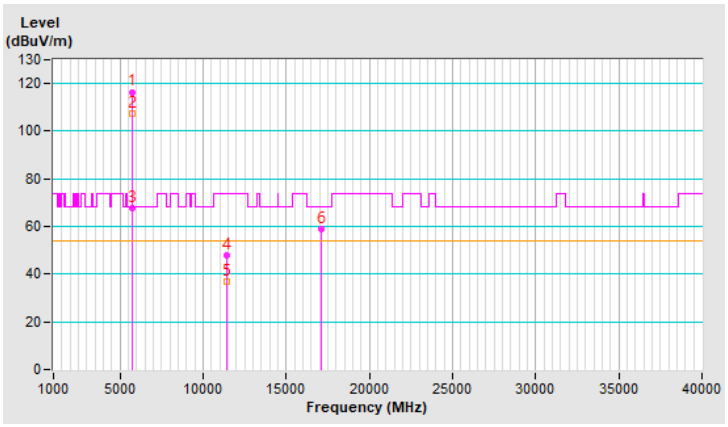


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	116.5 PK			1.89 V	14	112.0	4.5
2	*5700.00	107.6 AV			1.89 V	14	103.1	4.5
3	#5726.23	67.7 PK	68.2	-0.5	1.89 V	14	63.1	4.6
4	11400.00	47.9 PK	74.0	-26.1	1.46 V	119	32.9	15.0
5	11400.00	36.9 AV	54.0	-17.1	1.46 V	119	21.9	15.0
6	#17100.00	59.0 PK	68.2	-9.2	1.32 V	320	39.7	19.3

Remarks:

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

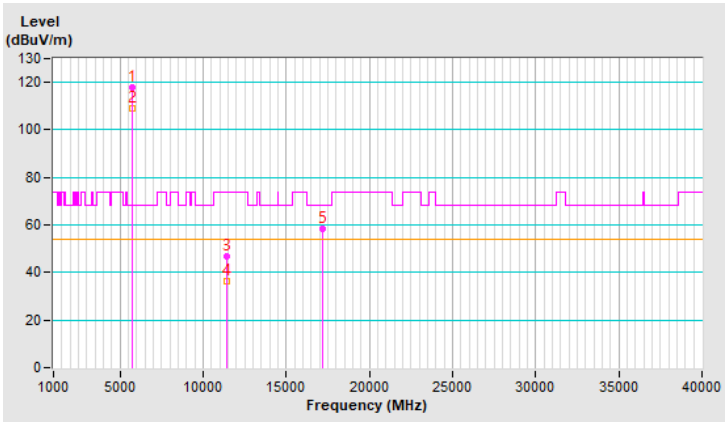


RF Mode	802.11a	**Channel**	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	*5720.00	117.7 PK			2.14 H	150	113.1	4.6
2	*5720.00	109.0 AV			2.14 H	150	104.4	4.6
3	11440.00	46.9 PK	74.0	-27.1	1.65 H	203	32.0	14.9
4	11440.00	36.1 AV	54.0	-17.9	1.65 H	203	21.2	14.9
5	#17160.00	58.2 PK	68.2	-10.0	1.64 H	0	39.1	19.1

Remarks:

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

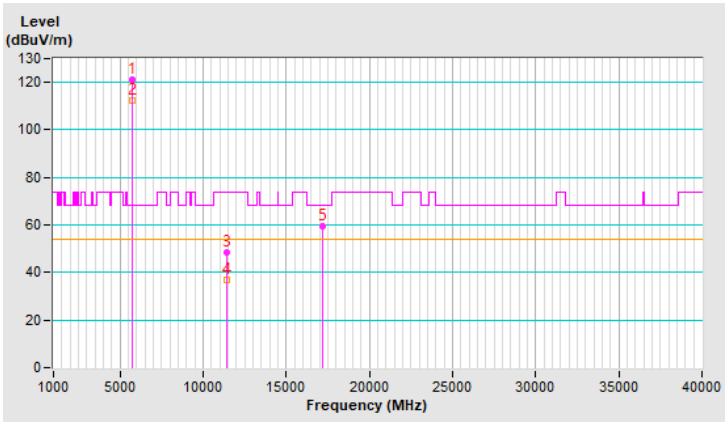


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	*5720.00	121.0 PK			1.81 V	22	116.4	4.6
2	*5720.00	112.2 AV			1.81 V	22	107.6	4.6
3	11440.00	48.6 PK	74.0	-25.4	1.36 V	123	33.7	14.9
4	11440.00	37.0 AV	54.0	-17.0	1.36 V	123	22.1	14.9
5	#17160.00	59.4 PK	68.2	-8.8	1.30 V	309	40.3	19.1

Remarks:

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

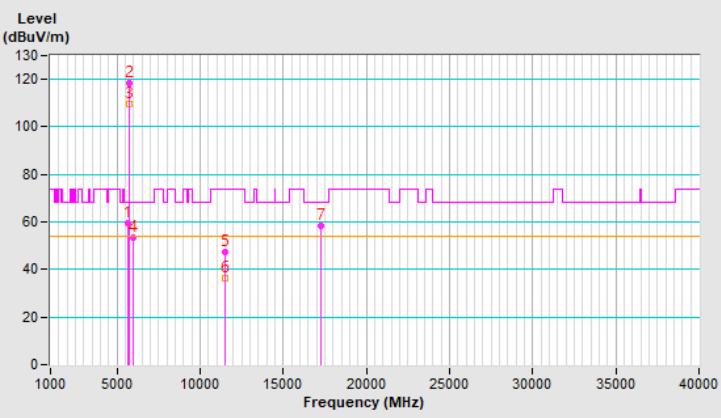


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5648.16	59.3 PK	68.2	-8.9	1.18 H	143	54.6	4.7
2	*5745.00	118.3 PK			1.18 H	143	113.7	4.6
3	*5745.00	109.4 AV			1.18 H	143	104.8	4.6
4	#5951.41	53.2 PK	68.2	-15.0	1.18 H	143	48.1	5.1
5	11490.00	47.6 PK	74.0	-26.4	1.63 H	202	32.7	14.9
6	11490.00	36.5 AV	54.0	-17.5	1.63 H	202	21.6	14.9
7	#17235.00	58.5 PK	68.2	-9.7	1.59 H	8	39.7	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

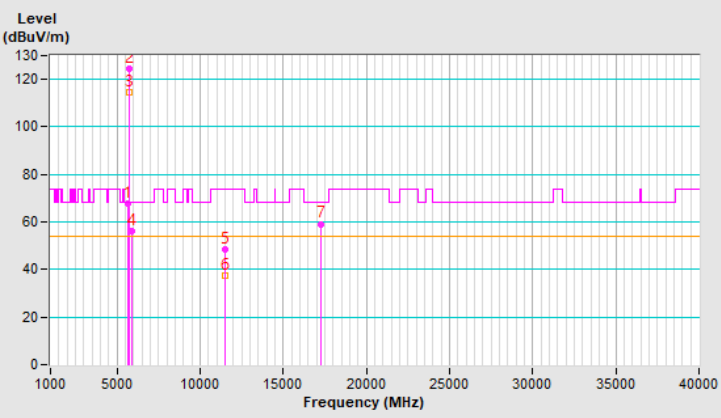


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5637.59	67.8 PK	68.2	-0.4	1.63 V	11	63.2	4.6
2	*5745.00	124.3 PK			1.63 V	11	119.7	4.6
3	*5745.00	114.4 AV			1.63 V	11	109.8	4.6
4	#5927.21	56.2 PK	68.2	-12.0	1.63 V	11	51.1	5.1
5	11490.00	48.5 PK	74.0	-25.5	1.41 V	135	33.6	14.9
6	11490.00	37.2 AV	54.0	-16.8	1.41 V	135	22.3	14.9
7	#17235.00	59.2 PK	68.2	-9.0	1.32 V	309	40.4	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

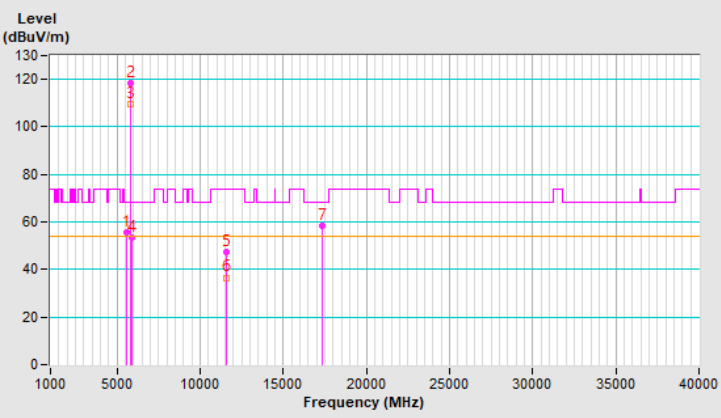


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5591.56	55.8 PK	68.2	-12.4	1.09 H	144	51.5	4.3
2	*5785.00	118.3 PK			1.09 H	144	113.5	4.8
3	*5785.00	109.7 AV			1.09 H	144	104.9	4.8
4	#5932.14	53.2 PK	68.2	-15.0	1.09 H	144	48.1	5.1
5	11570.00	47.5 PK	74.0	-26.5	1.67 H	216	32.8	14.7
6	11570.00	36.6 AV	54.0	-17.4	1.67 H	216	21.9	14.7
7	#17355.00	58.3 PK	68.2	-9.9	1.62 H	0	39.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

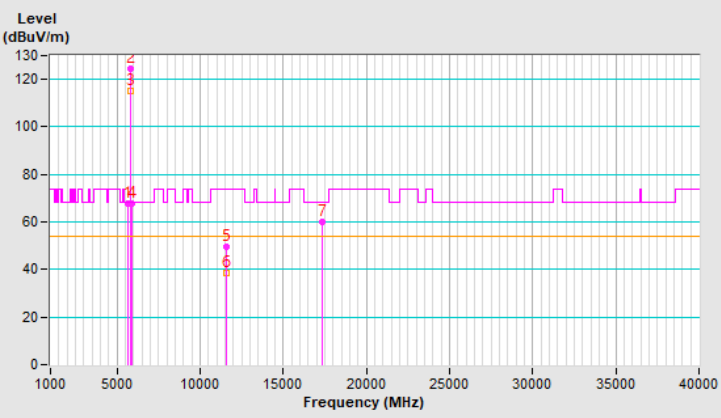


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5644.49	67.7 PK	68.2	-0.5	1.42 V	9	63.0	4.7
2	*5785.00	124.7 PK			1.42 V	9	119.9	4.8
3	*5785.00	115.1 AV			1.42 V	9	110.3	4.8
4	#5925.44	67.5 PK	68.2	-0.7	1.42 V	9	62.4	5.1
5	11570.00	49.7 PK	74.0	-24.3	1.48 V	119	35.0	14.7
6	11570.00	38.3 AV	54.0	-15.7	1.48 V	119	23.6	14.7
7	#17355.00	60.0 PK	68.2	-8.2	1.39 V	297	41.2	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

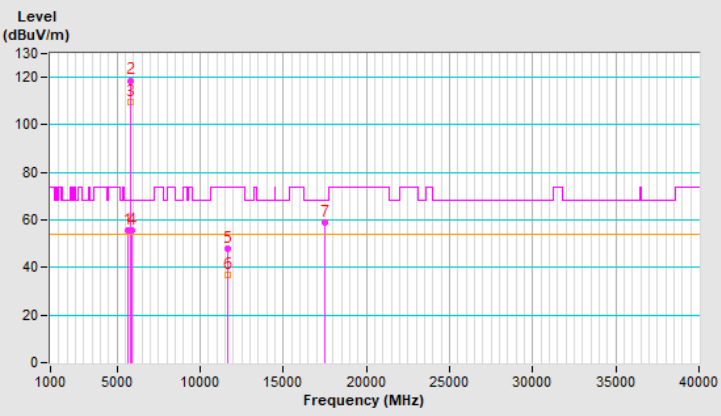


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5627.33	55.6 PK	68.2	-12.6	1.12 H	140	51.0	4.6
2	*5825.00	118.7 PK			1.12 H	140	113.7	5.0
3	*5825.00	109.7 AV			1.12 H	140	104.7	5.0
4	#5925.91	55.4 PK	68.2	-12.8	1.12 H	140	50.3	5.1
5	11650.00	47.9 PK	74.0	-26.1	1.62 H	214	33.3	14.6
6	11650.00	36.8 AV	54.0	-17.2	1.62 H	214	22.2	14.6
7	#17475.00	58.9 PK	68.2	-9.3	1.55 H	23	39.4	19.5

Remarks:

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

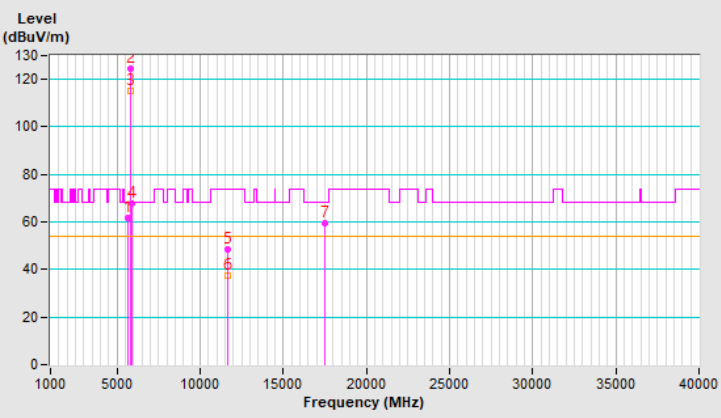


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5644.82	61.7 PK	68.2	-6.5	1.58 V	15	57.0	4.7
2	*5825.00	124.5 PK			1.58 V	15	119.5	5.0
3	*5825.00	115.1 AV			1.58 V	15	110.1	5.0
4	#5925.24	67.7 PK	68.2	-0.5	1.58 V	15	62.6	5.1
5	11650.00	48.6 PK	74.0	-25.4	1.41 V	123	34.0	14.6
6	11650.00	37.3 AV	54.0	-16.7	1.41 V	123	22.7	14.6
7	#17475.00	59.3 PK	68.2	-8.9	1.32 V	310	39.8	19.5

Remarks:

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

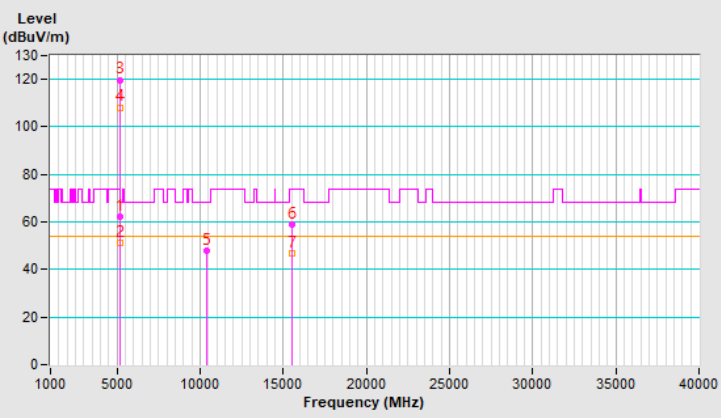


RF Mode	802.11ax (HE20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	5149.13	62.2 PK	74.0	-11.8	2.09 H	218	57.7	4.5
2	5149.13	51.4 AV	54.0	-2.6	2.09 H	218	46.9	4.5
3	*5180.00	119.8 PK			2.09 H	218	115.3	4.5
4	*5180.00	108.2 AV			2.09 H	218	103.7	4.5
5	#10360.00	47.9 PK	68.2	-20.3	1.61 H	211	33.9	14.0
6	15540.00	59.1 PK	74.0	-14.9	1.61 H	24	45.1	14.0
7	15540.00	46.6 AV	54.0	-7.4	1.61 H	24	32.6	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

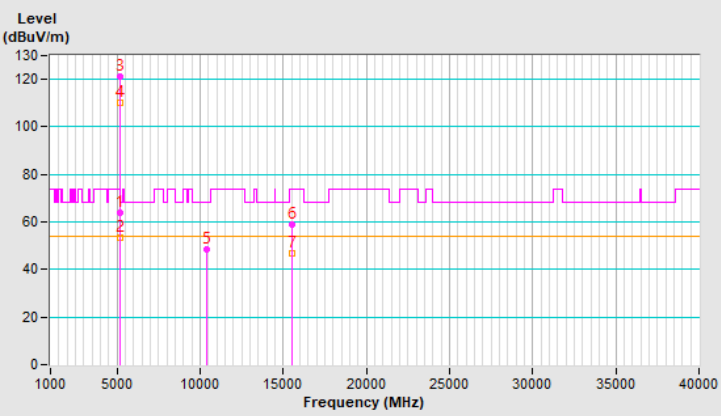


RF Mode	802.11ax (HE20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	5148.14	64.0 PK	74.0	-10.0	1.73 V	15	59.5	4.5
2	5148.14	53.6 AV	54.0	-0.4	1.73 V	15	49.1	4.5
3	*5180.00	121.1 PK			1.73 V	15	116.6	4.5
4	*5180.00	110.3 AV			1.73 V	15	105.8	4.5
5	#10360.00	48.4 PK	68.2	-19.8	1.41 V	133	34.4	14.0
6	15540.00	59.1 PK	74.0	-14.9	1.29 V	312	45.1	14.0
7	15540.00	47.0 AV	54.0	-7.0	1.29 V	312	33.0	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

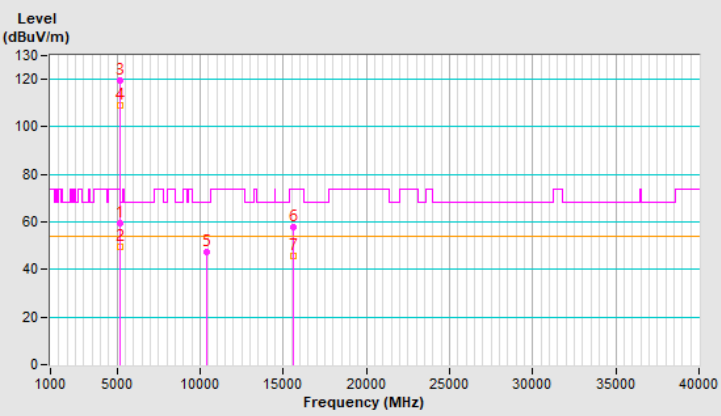


RF Mode	802.11ax (HE20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	2.20 H	187	54.8	4.5
2	5150.00	49.8 AV	54.0	-4.2	2.20 H	187	45.3	4.5
3	*5200.00	119.7 PK			2.20 H	187	115.4	4.3
4	*5200.00	109.3 AV			2.20 H	187	105.0	4.3
5	#10400.00	47.4 PK	68.2	-20.8	1.65 H	216	33.3	14.1
6	15600.00	57.9 PK	74.0	-16.1	1.54 H	10	43.6	14.3
7	15600.00	45.9 AV	54.0	-8.1	1.54 H	10	31.6	14.3

Remarks:

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

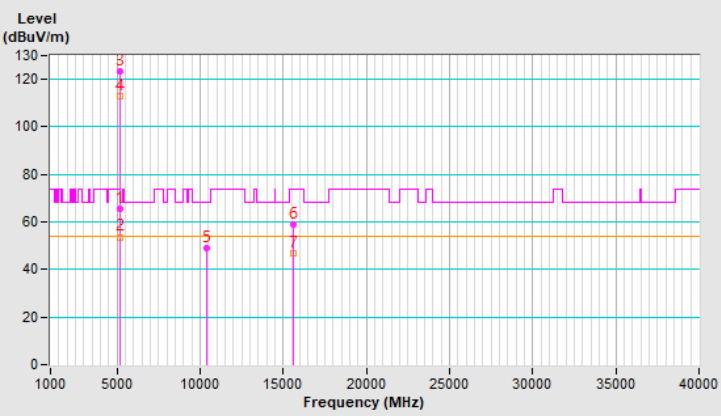


RF Mode	802.11ax (HE20)	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	65.5 PK	74.0	-8.5	1.69 V	8	61.0	4.5
2	5150.00	53.7 AV	54.0	-0.3	1.69 V	8	49.2	4.5
3	*5200.00	123.2 PK			1.69 V	8	118.9	4.3
4	*5200.00	112.8 AV			1.69 V	8	108.5	4.3
5	#10400.00	48.9 PK	68.2	-19.3	1.38 V	147	34.8	14.1
6	15600.00	58.9 PK	74.0	-15.1	1.33 V	310	44.6	14.3
7	15600.00	46.7 AV	54.0	-7.3	1.33 V	310	32.4	14.3

Remarks:

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

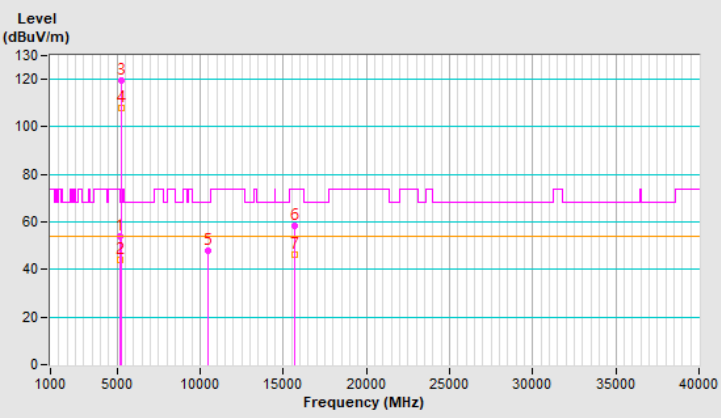


RF Mode	802.11ax (HE20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	54.2 PK	74.0	-19.8	2.21 H	212	49.7	4.5
2	5150.00	44.3 AV	54.0	-9.7	2.21 H	212	39.8	4.5
3	*5240.00	119.3 PK			2.21 H	212	115.3	4.0
4	*5240.00	108.1 AV			2.21 H	212	104.1	4.0
5	#10480.00	48.1 PK	68.2	-20.1	1.68 H	211	34.0	14.1
6	15720.00	58.5 PK	74.0	-15.5	1.59 H	15	44.1	14.4
7	15720.00	46.5 AV	54.0	-7.5	1.59 H	15	32.1	14.4

Remarks:

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

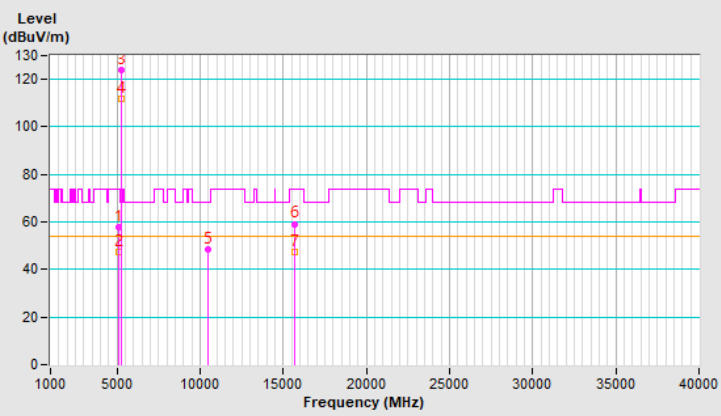


RF Mode	802.11ax (HE20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	5143.23	57.8 PK	74.0	-16.2	1.53 V	22	53.3	4.5
2	5143.23	47.5 AV	54.0	-6.5	1.53 V	22	43.0	4.5
3	*5240.00	123.7 PK			1.53 V	22	119.7	4.0
4	*5240.00	111.9 AV			1.53 V	22	107.9	4.0
5	#10480.00	48.5 PK	68.2	-19.7	1.41 V	140	34.4	14.1
6	15720.00	59.2 PK	74.0	-14.8	1.32 V	303	44.8	14.4
7	15720.00	47.3 AV	54.0	-6.7	1.32 V	303	32.9	14.4

Remarks:

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

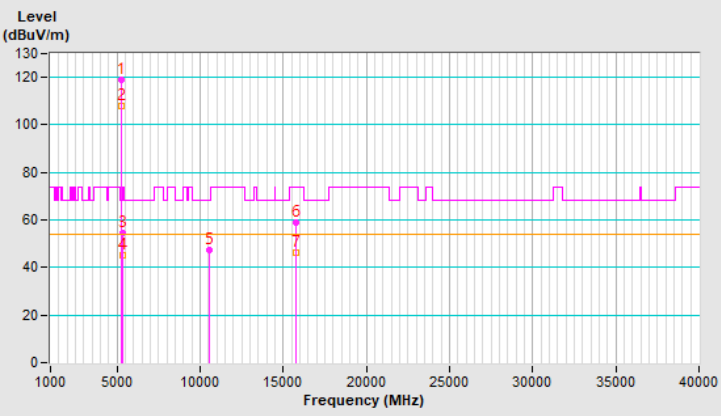


RF Mode	802.11ax (HE20)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	*5260.00	118.9 PK			2.17 H	200	114.9	4.0
2	*5260.00	107.7 AV			2.17 H	200	103.7	4.0
3	5350.00	54.6 PK	74.0	-19.4	2.17 H	200	50.4	4.2
4	5350.00	45.3 AV	54.0	-8.7	2.17 H	200	41.1	4.2
5	#10520.00	47.6 PK	68.2	-20.6	1.58 H	190	33.4	14.2
6	15780.00	58.7 PK	74.0	-15.3	1.54 H	7	44.2	14.5
7	15780.00	46.5 AV	54.0	-7.5	1.54 H	7	32.0	14.5

Remarks:

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

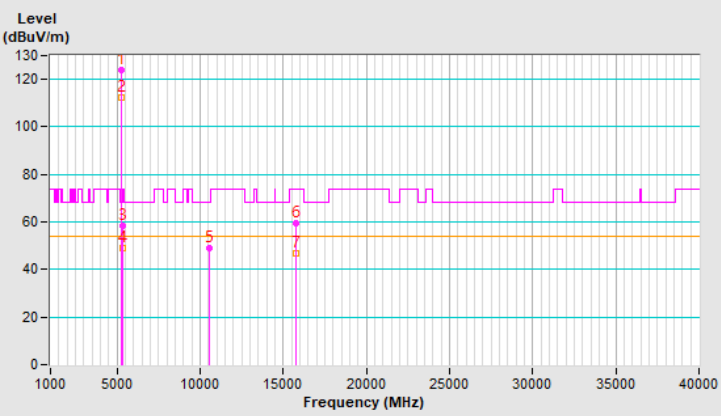


RF Mode	802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	*5260.00	124.1 PK			1.78 V	16	120.1	4.0
2	*5260.00	112.3 AV			1.78 V	16	108.3	4.0
3	5357.42	58.2 PK	74.0	-15.8	1.78 V	16	54.0	4.2
4	5357.42	49.1 AV	54.0	-4.9	1.78 V	16	44.9	4.2
5	#10520.00	48.8 PK	68.2	-19.4	1.46 V	132	34.6	14.2
6	15780.00	59.3 PK	74.0	-14.7	1.36 V	313	44.8	14.5
7	15780.00	47.0 AV	54.0	-7.0	1.36 V	313	32.5	14.5

Remarks:

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

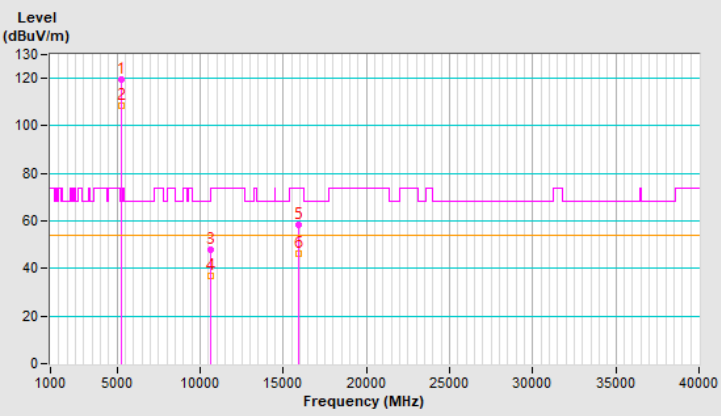


RF Mode	802.11ax (HE20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	119.4 PK			2.16 H	199	115.4	4.0
2	*5300.00	108.3 AV			2.16 H	199	104.3	4.0
3	10600.00	47.9 PK	74.0	-26.1	1.59 H	206	34.3	13.6
4	10600.00	36.7 AV	54.0	-17.3	1.59 H	206	23.1	13.6
5	15900.00	58.5 PK	74.0	-15.5	1.61 H	0	44.1	14.4
6	15900.00	46.0 AV	54.0	-8.0	1.61 H	0	31.6	14.4

Remarks:

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

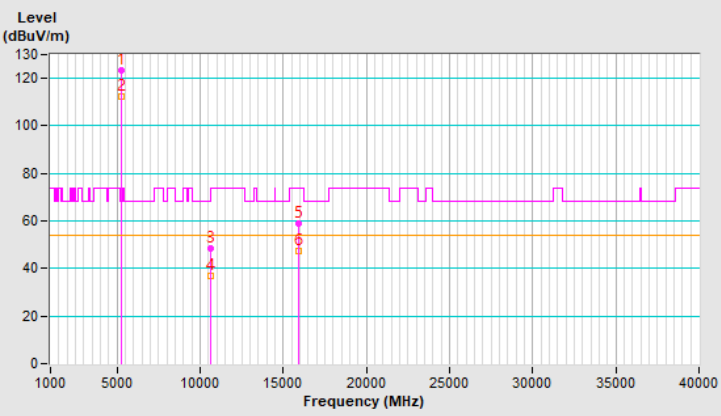


RF Mode	802.11ax (HE20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	123.2 PK			1.81 V	11	119.2	4.0
2	*5300.00	112.1 AV			1.81 V	11	108.1	4.0
3	10600.00	48.4 PK	74.0	-25.6	1.40 V	141	34.8	13.6
4	10600.00	37.0 AV	54.0	-17.0	1.40 V	141	23.4	13.6
5	15900.00	59.0 PK	74.0	-15.0	1.38 V	300	44.6	14.4
6	15900.00	47.3 AV	54.0	-6.7	1.38 V	300	32.9	14.4

Remarks:

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

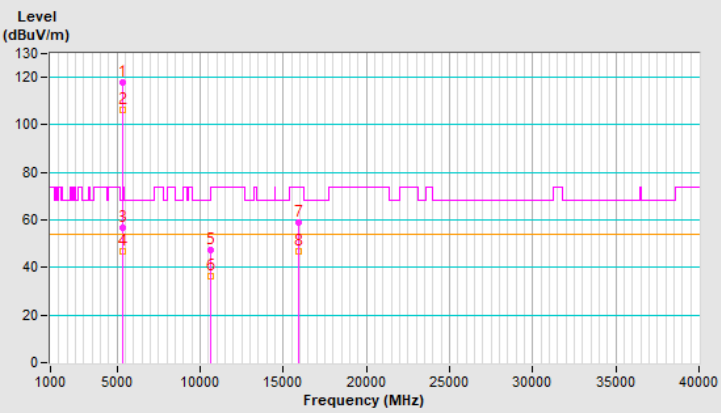


RF Mode	802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	117.7 PK			2.18 H	199	113.6	4.1
2	*5320.00	106.3 AV			2.18 H	199	102.2	4.1
3	5351.88	56.7 PK	74.0	-17.3	2.18 H	199	52.5	4.2
4	5351.88	47.0 AV	54.0	-7.0	2.18 H	199	42.8	4.2
5	10640.00	47.4 PK	74.0	-26.6	1.66 H	187	33.7	13.7
6	10640.00	36.1 AV	54.0	-17.9	1.66 H	187	22.4	13.7
7	15960.00	59.1 PK	74.0	-14.9	1.63 H	0	44.2	14.9
8	15960.00	46.6 AV	54.0	-7.4	1.63 H	0	31.7	14.9

Remarks:

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

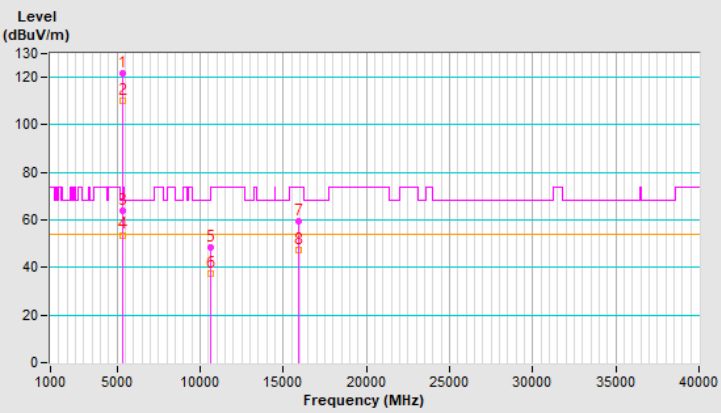


RF Mode	802.11ax (HE20)	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	121.8 PK			1.75 V	13	117.7	4.1
2	*5320.00	110.1 AV			1.75 V	13	106.0	4.1
3	5352.28	63.9 PK	74.0	-10.1	1.75 V	13	59.7	4.2
4	5352.28	53.7 AV	54.0	-0.3	1.75 V	13	49.5	4.2
5	10640.00	48.4 PK	74.0	-25.6	1.35 V	148	34.7	13.7
6	10640.00	37.3 AV	54.0	-16.7	1.35 V	148	23.6	13.7
7	15960.00	59.4 PK	74.0	-14.6	1.37 V	322	44.5	14.9
8	15960.00	47.4 AV	54.0	-6.6	1.37 V	322	32.5	14.9

Remarks:

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

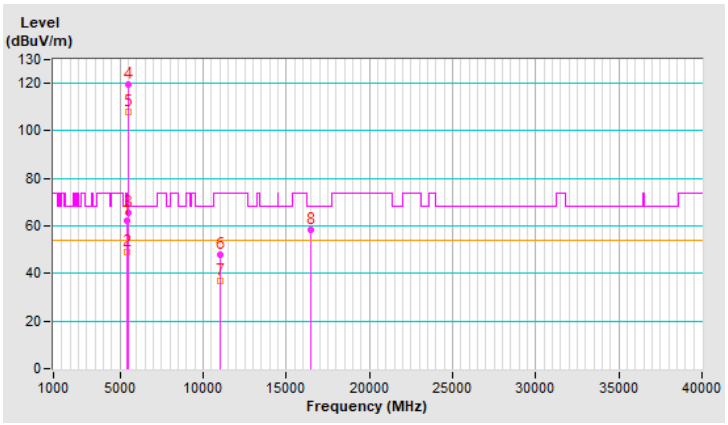


RF Mode	802.11ax (HE20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	62.2 PK	74.0	-11.8	2.19 H	213	57.8	4.4
2	5460.00	49.2 AV	54.0	-4.8	2.19 H	213	44.8	4.4
3	#5470.00	65.7 PK	68.2	-2.5	2.19 H	213	61.3	4.4
4	*5500.00	119.4 PK			2.19 H	213	114.9	4.5
5	*5500.00	107.9 AV			2.19 H	213	103.4	4.5
6	11000.00	47.8 PK	74.0	-26.2	1.60 H	213	33.2	14.6
7	11000.00	36.9 AV	54.0	-17.1	1.60 H	213	22.3	14.6
8	#16500.00	58.2 PK	68.2	-10.0	1.56 H	14	41.4	16.8

Remarks:

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

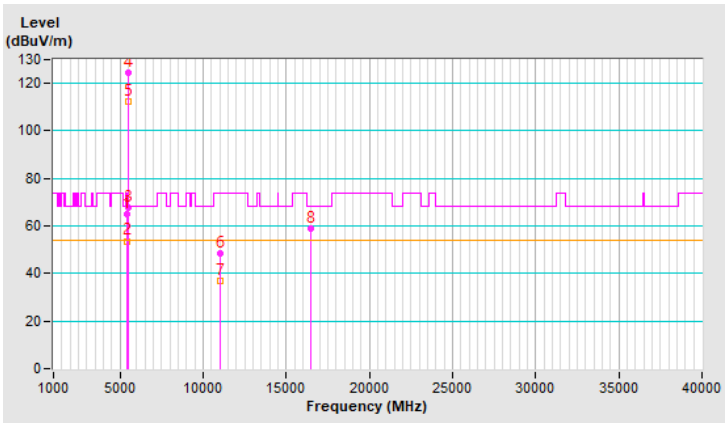


RF Mode	802.11ax (HE20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	64.9 PK	74.0	-9.1	1.81 V	18	60.5	4.4
2	5460.00	53.7 AV	54.0	-0.3	1.81 V	18	49.3	4.4
3	#5470.00	67.7 PK	68.2	-0.5	1.81 V	18	63.3	4.4
4	*5500.00	124.3 PK			1.81 V	18	119.8	4.5
5	*5500.00	112.2 AV			1.81 V	18	107.7	4.5
6	11000.00	48.3 PK	74.0	-25.7	1.46 V	149	33.7	14.6
7	11000.00	36.8 AV	54.0	-17.2	1.46 V	149	22.2	14.6
8	#16500.00	58.9 PK	68.2	-9.3	1.27 V	317	42.1	16.8

Remarks:

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

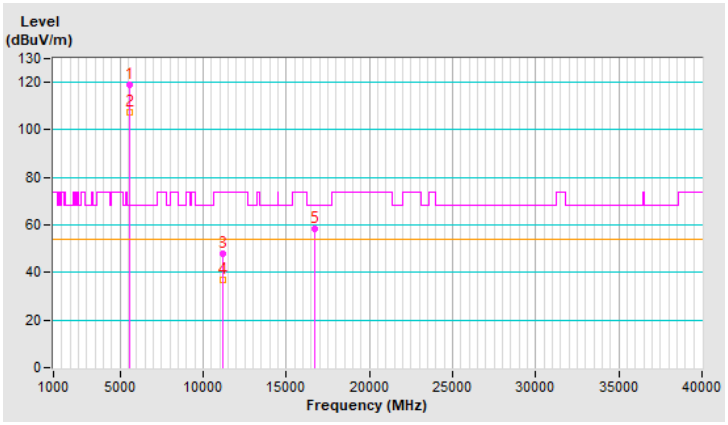


RF Mode	802.11ax (HE20)	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	118.9 PK			2.20 H	222	114.5	4.4
2	*5580.00	107.5 AV			2.20 H	222	103.1	4.4
3	11160.00	47.9 PK	74.0	-26.1	1.67 H	203	33.9	14.0
4	11160.00	37.0 AV	54.0	-17.0	1.67 H	203	23.0	14.0
5	#16740.00	58.4 PK	68.2	-9.8	1.62 H	0	40.1	18.3

Remarks:

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

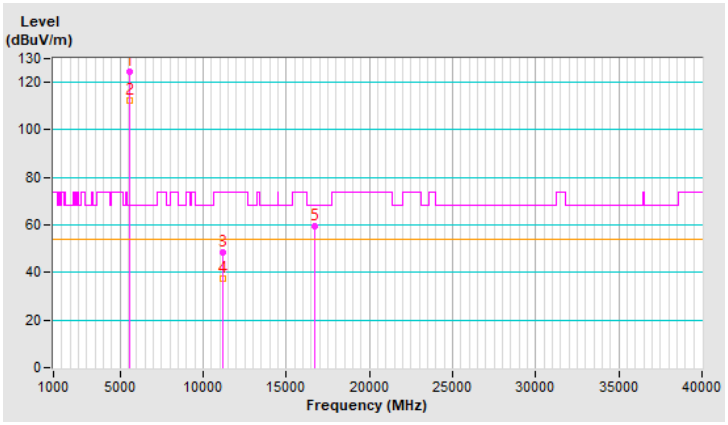


RF Mode	802.11ax (HE20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	124.3 PK			1.87 V	12	119.9	4.4
2	*5580.00	112.1 AV			1.87 V	12	107.7	4.4
3	11160.00	48.7 PK	74.0	-25.3	1.44 V	121	34.7	14.0
4	11160.00	37.3 AV	54.0	-16.7	1.44 V	121	23.3	14.0
5	#16740.00	59.4 PK	68.2	-8.8	1.31 V	323	41.1	18.3

Remarks:

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

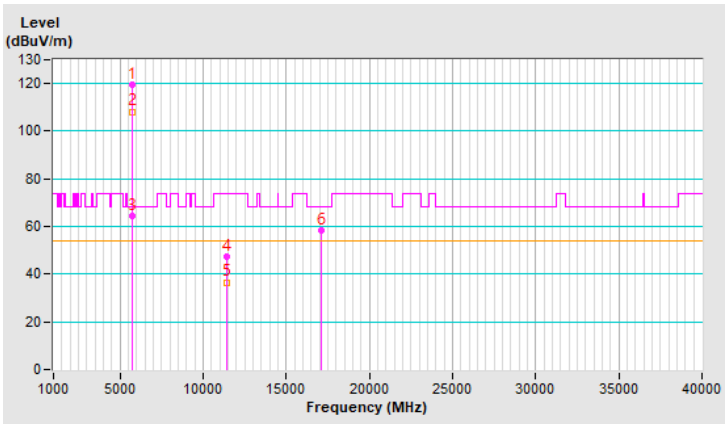


RF Mode	802.11ax (HE20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	119.5 PK			2.14 H	198	115.0	4.5
2	*5700.00	108.2 AV			2.14 H	198	103.7	4.5
3	#5725.00	64.2 PK	68.2	-4.0	2.14 H	198	59.6	4.6
4	11400.00	47.5 PK	74.0	-26.5	1.62 H	191	32.5	15.0
5	11400.00	36.6 AV	54.0	-17.4	1.62 H	191	21.6	15.0
6	#17100.00	58.4 PK	68.2	-9.8	1.60 H	17	39.1	19.3

Remarks:

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

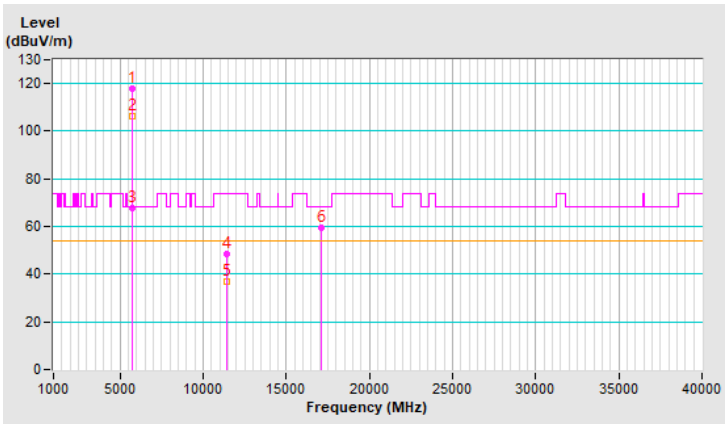


RF Mode	802.11ax (HE20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	117.9 PK			1.36 V	17	113.4	4.5
2	*5700.00	106.3 AV			1.36 V	17	101.8	4.5
3	#5726.25	67.7 PK	68.2	-0.5	1.36 V	17	63.1	4.6
4	11400.00	48.6 PK	74.0	-25.4	1.37 V	139	33.6	15.0
5	11400.00	37.0 AV	54.0	-17.0	1.37 V	139	22.0	15.0
6	#17100.00	59.4 PK	68.2	-8.8	1.37 V	314	40.1	19.3

Remarks:

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

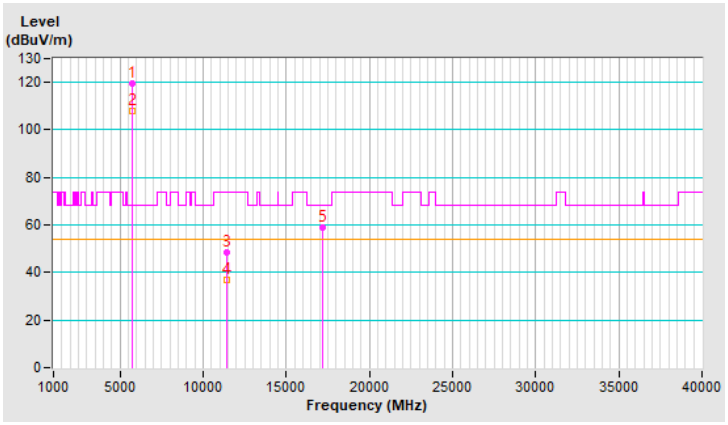


RF Mode	802.11ax (HE20)	**Channel**	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	*5720.00	119.3 PK			2.09 H	210	114.7	4.6
2	*5720.00	108.1 AV			2.09 H	210	103.5	4.6
3	11440.00	48.3 PK	74.0	-25.7	1.61 H	192	33.4	14.9
4	11440.00	36.9 AV	54.0	-17.1	1.61 H	192	22.0	14.9
5	#17160.00	58.9 PK	68.2	-9.3	1.57 H	0	39.8	19.1

Remarks:

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

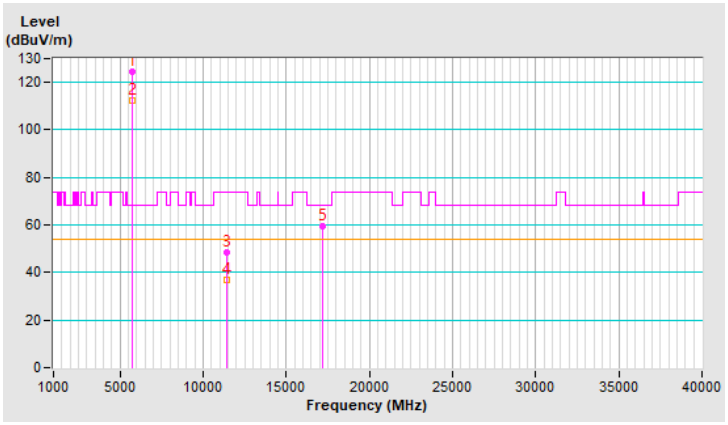


RF Mode	802.11ax (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	*5720.00	124.3 PK			1.81 V	13	119.7	4.6
2	*5720.00	112.4 AV			1.81 V	13	107.8	4.6
3	11440.00	48.3 PK	74.0	-25.7	1.36 V	135	33.4	14.9
4	11440.00	36.8 AV	54.0	-17.2	1.36 V	135	21.9	14.9
5	#17160.00	59.4 PK	68.2	-8.8	1.32 V	302	40.3	19.1

Remarks:

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

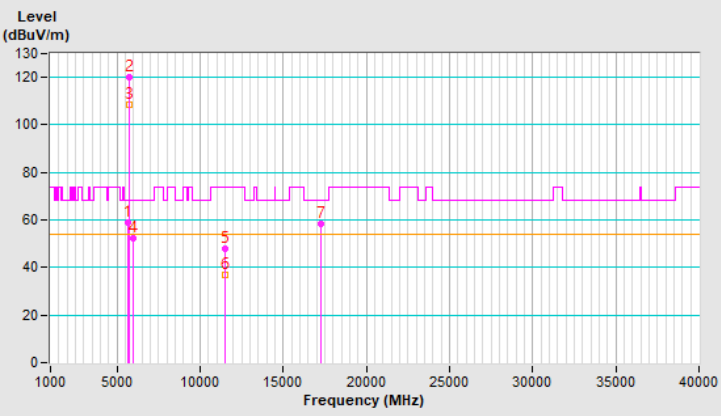


RF Mode	802.11ax (HE20)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	#5643.88	58.8 PK	68.2	-9.4	1.21 H	145	54.1	4.7
2	*5745.00	120.2 PK			1.21 H	145	115.6	4.6
3	*5745.00	108.6 AV			1.21 H	145	104.0	4.6
4	#5950.53	52.4 PK	68.2	-15.8	1.21 H	145	47.3	5.1
5	11490.00	48.1 PK	74.0	-25.9	1.64 H	217	33.2	14.9
6	11490.00	36.9 AV	54.0	-17.1	1.64 H	217	22.0	14.9
7	#17235.00	58.3 PK	68.2	-9.9	1.53 H	20	39.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

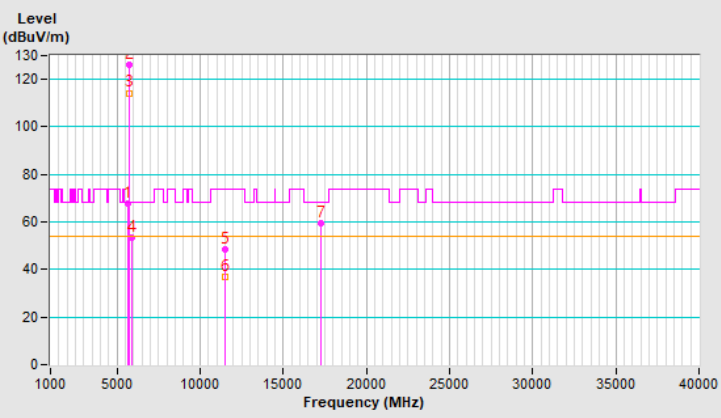


RF Mode	802.11ax (HE20)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	#5645.19	67.7 PK	68.2	-0.5	1.59 V	12	63.0	4.7
2	*5745.00	126.0 PK			1.59 V	12	121.4	4.6
3	*5745.00	114.3 AV			1.59 V	12	109.7	4.6
4	#5931.37	53.2 PK	68.2	-15.0	1.59 V	12	48.1	5.1
5	11490.00	48.3 PK	74.0	-25.7	1.43 V	136	33.4	14.9
6	11490.00	37.1 AV	54.0	-16.9	1.43 V	136	22.2	14.9
7	#17235.00	59.3 PK	68.2	-8.9	1.35 V	313	40.5	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

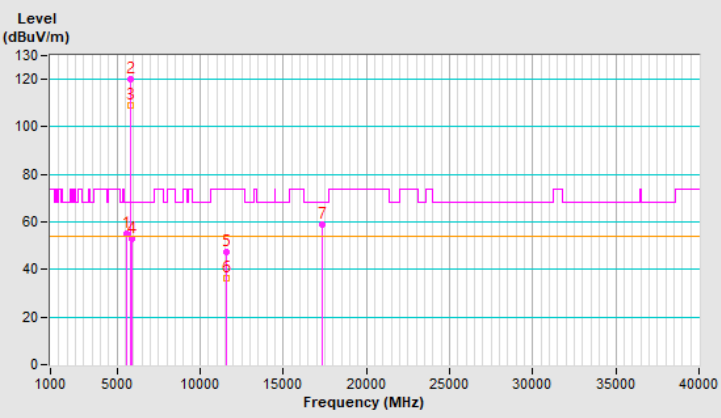


RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	#5610.14	54.9 PK	68.2	-13.3	1.08 H	142	50.4	4.5
2	*5785.00	120.3 PK			1.08 H	142	115.5	4.8
3	*5785.00	108.9 AV			1.08 H	142	104.1	4.8
4	#5927.66	52.9 PK	68.2	-15.3	1.08 H	142	47.8	5.1
5	11570.00	47.2 PK	74.0	-26.8	1.59 H	196	32.5	14.7
6	11570.00	36.3 AV	54.0	-17.7	1.59 H	196	21.6	14.7
7	#17355.00	59.1 PK	68.2	-9.1	1.57 H	0	40.3	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

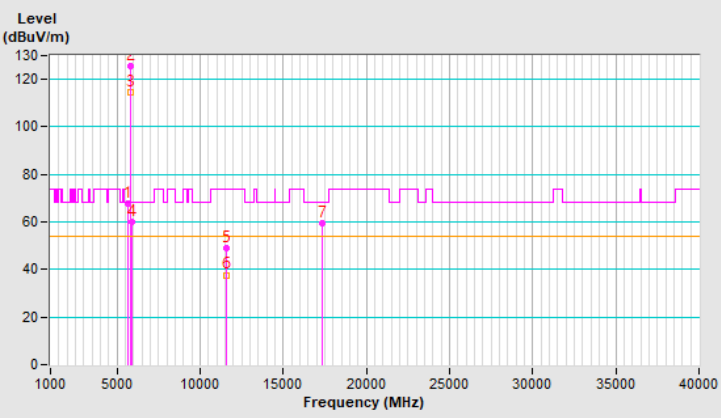


RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	#5644.25	67.9 PK	68.2	-0.3	1.39 V	19	63.2	4.7
2	*5785.00	125.5 PK			1.39 V	19	120.7	4.8
3	*5785.00	114.5 AV			1.39 V	19	109.7	4.8
4	#5929.52	60.1 PK	68.2	-8.1	1.39 V	19	55.0	5.1
5	11570.00	49.1 PK	74.0	-24.9	1.45 V	137	34.4	14.7
6	11570.00	37.7 AV	54.0	-16.3	1.45 V	137	23.0	14.7
7	#17355.00	59.4 PK	68.2	-8.8	1.33 V	312	40.6	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

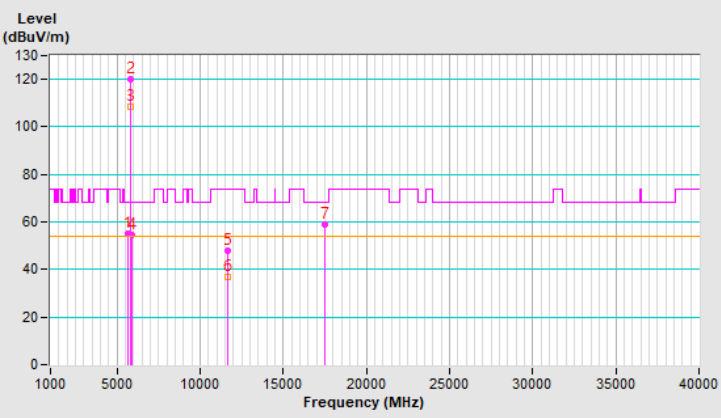


RF Mode	802.11ax (HE20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5635.30	55.0 PK	68.2	-13.2	1.25 H	140	50.4	4.6
2	*5825.00	120.2 PK			1.25 H	140	115.2	5.0
3	*5825.00	108.5 AV			1.25 H	140	103.5	5.0
4	#5925.71	54.6 PK	68.2	-13.6	1.25 H	140	49.5	5.1
5	11650.00	47.7 PK	74.0	-26.3	1.60 H	195	33.1	14.6
6	11650.00	36.8 AV	54.0	-17.2	1.60 H	195	22.2	14.6
7	#17475.00	58.7 PK	68.2	-9.5	1.62 H	0	39.2	19.5

Remarks:

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

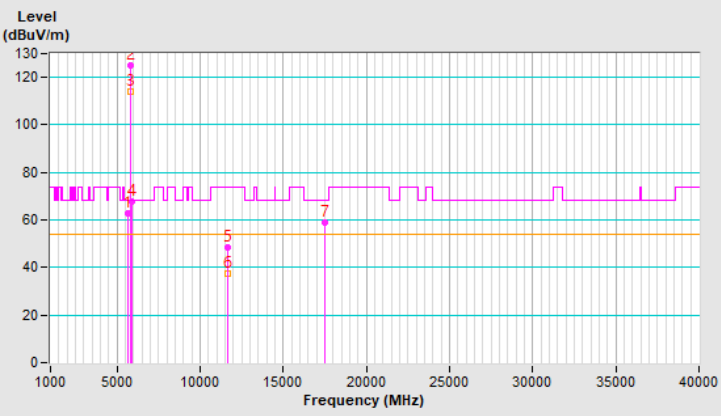


RF Mode	802.11ax (HE20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5635.87	63.0 PK	68.2	-5.2	1.32 V	23	58.4	4.6
2	*5825.00	125.2 PK			1.32 V	23	120.2	5.0
3	*5825.00	114.1 AV			1.32 V	23	109.1	5.0
4	#5925.59	67.7 PK	68.2	-0.5	1.32 V	23	62.6	5.1
5	11650.00	48.6 PK	74.0	-25.4	1.43 V	150	34.0	14.6
6	11650.00	37.3 AV	54.0	-16.7	1.43 V	150	22.7	14.6
7	#17475.00	58.8 PK	68.2	-9.4	1.27 V	294	39.3	19.5

Remarks:

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

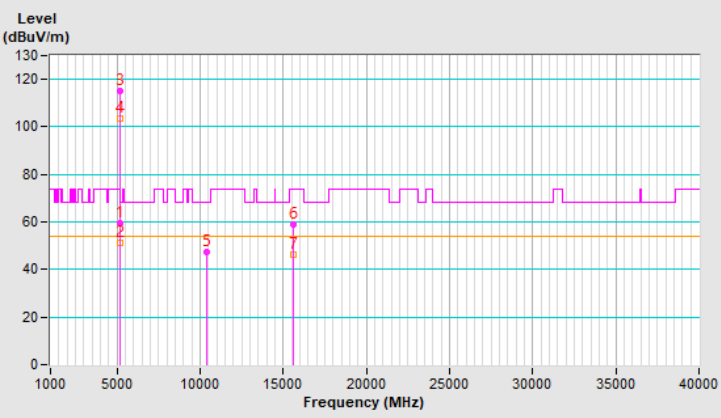


RF Mode	802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	59.4 PK	74.0	-14.6	2.08 H	199	54.9	4.5
2	5150.00	51.0 AV	54.0	-3.0	2.08 H	199	46.5	4.5
3	*5190.00	115.3 PK			2.08 H	199	110.9	4.4
4	*5190.00	103.5 AV			2.08 H	199	99.1	4.4
5	#10380.00	47.5 PK	68.2	-20.7	1.68 H	203	33.4	14.1
6	15570.00	59.0 PK	74.0	-15.0	1.64 H	0	44.9	14.1
7	15570.00	46.4 AV	54.0	-7.6	1.64 H	0	32.3	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

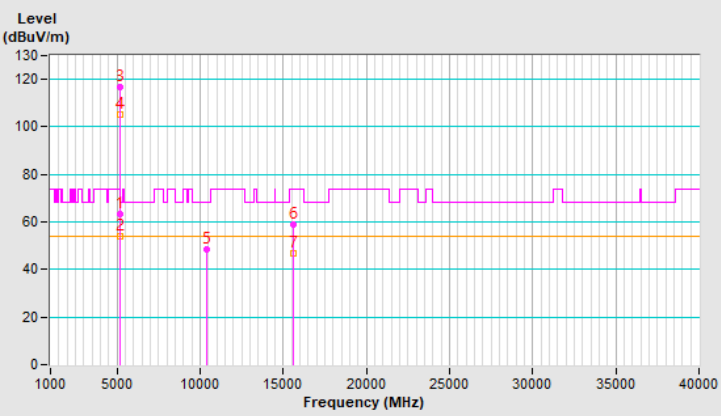


RF Mode	802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	63.1 PK	74.0	-10.9	1.82 V	14	58.6	4.5
2	**5150.00**	**53.8 AV**	**54.0**	**-0.2**	**1.82 V**	**14**	**49.3**	**4.5**
3	*5190.00	117.0 PK			1.82 V	14	112.6	4.4
4	*5190.00	105.3 AV			1.82 V	14	100.9	4.4
5	#10380.00	48.6 PK	68.2	-19.6	1.38 V	136	34.5	14.1
6	15570.00	58.9 PK	74.0	-15.1	1.30 V	294	44.8	14.1
7	15570.00	47.0 AV	54.0	-7.0	1.30 V	294	32.9	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

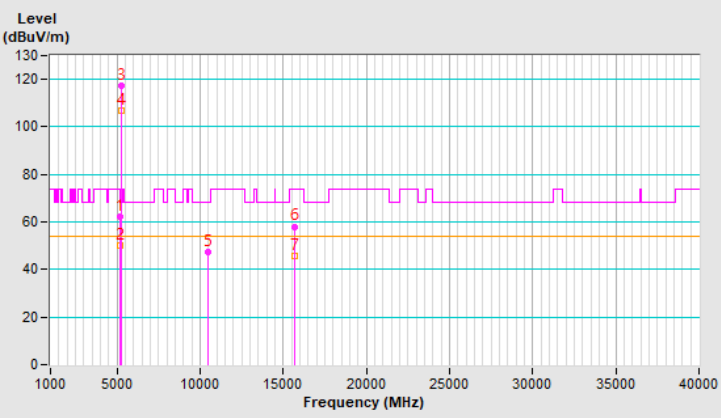


RF Mode	802.11ax (HE40)	**Channel**	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	62.1 PK	74.0	-11.9	1.14 H	127	57.6	4.5
2	5150.00	50.2 AV	54.0	-3.8	1.14 H	127	45.7	4.5
3	*5230.00	117.4 PK			1.14 H	127	113.2	4.2
4	*5230.00	106.8 AV			1.14 H	127	102.6	4.2
5	#10460.00	47.5 PK	68.2	-20.7	1.62 H	200	33.3	14.2
6	15690.00	58.1 PK	74.0	-15.9	1.64 H	0	43.6	14.5
7	15690.00	45.9 AV	54.0	-8.1	1.64 H	0	31.4	14.5

Remarks:

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

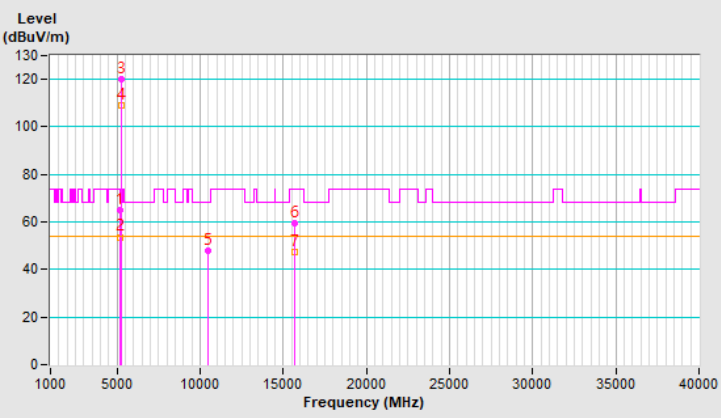


RF Mode	802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	65.0 PK	74.0	-9.0	1.91 V	14	60.5	4.5
2	5150.00	53.7 AV	54.0	-0.3	1.91 V	14	49.2	4.5
3	*5230.00	119.9 PK			1.91 V	14	115.7	4.2
4	*5230.00	109.1 AV			1.91 V	14	104.9	4.2
5	#10460.00	47.8 PK	68.2	-20.4	1.46 V	144	33.6	14.2
6	15690.00	59.4 PK	74.0	-14.6	1.38 V	313	44.9	14.5
7	15690.00	47.6 AV	54.0	-6.4	1.38 V	313	33.1	14.5

Remarks:

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

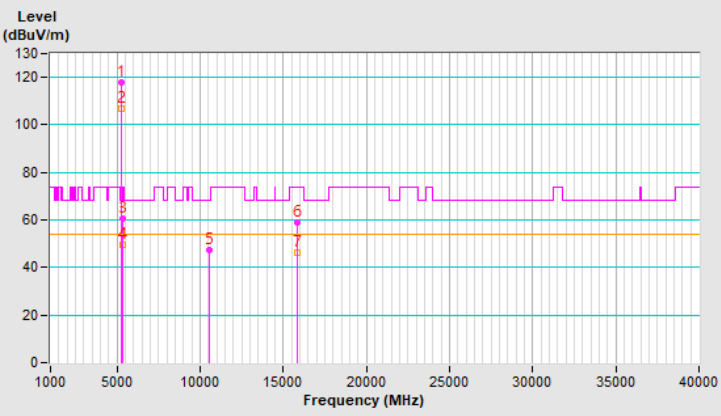


RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	117.7 PK			1.03 H	119	113.7	4.0
2	*5270.00	106.8 AV			1.03 H	119	102.8	4.0
3	5350.00	60.4 PK	74.0	-13.6	1.03 H	119	56.2	4.2
4	5350.00	49.8 AV	54.0	-4.2	1.03 H	119	45.6	4.2
5	#10540.00	47.3 PK	68.2	-20.9	1.61 H	190	33.4	13.9
6	15810.00	58.7 PK	74.0	-15.3	1.58 H	20	44.3	14.4
7	15810.00	46.4 AV	54.0	-7.6	1.58 H	20	32.0	14.4

Remarks:

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

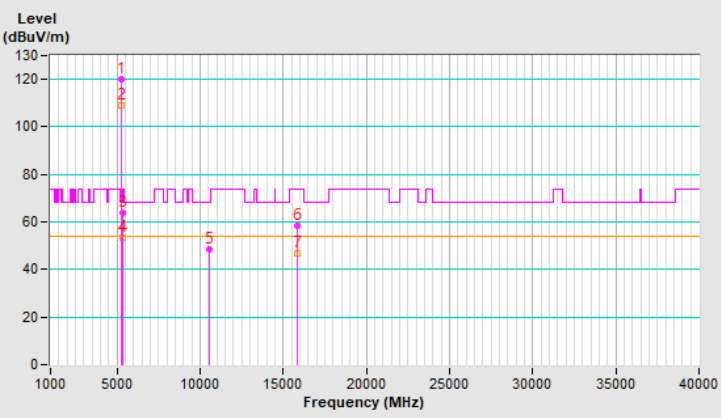


RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	120.1 PK			1.94 V	15	116.1	4.0
2	*5270.00	108.8 AV			1.94 V	15	104.8	4.0
3	5350.18	64.1 PK	74.0	-9.9	1.94 V	15	59.9	4.2
4	5350.18	53.6 AV	54.0	-0.4	1.94 V	15	49.4	4.2
5	#10540.00	48.5 PK	68.2	-19.7	1.40 V	126	34.6	13.9
6	15810.00	58.6 PK	74.0	-15.4	1.32 V	313	44.2	14.4
7	15810.00	46.9 AV	54.0	-7.1	1.32 V	313	32.5	14.4

Remarks:

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

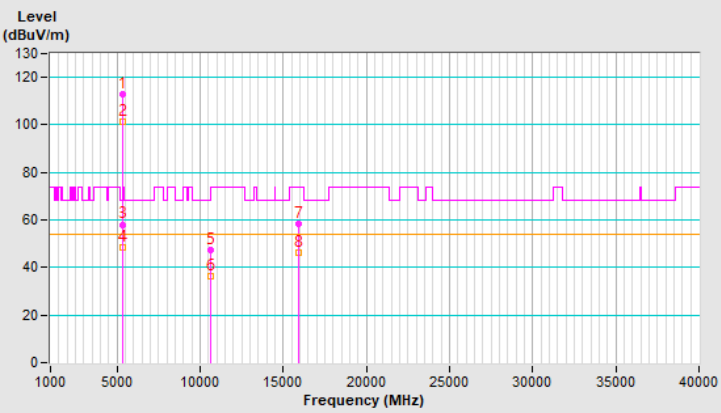


RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	113.0 PK			2.16 H	216	109.0	4.0
2	*5310.00	101.2 AV			2.16 H	216	97.2	4.0
3	5350.00	58.1 PK	74.0	-15.9	2.16 H	216	53.9	4.2
4	5350.00	48.4 AV	54.0	-5.6	2.16 H	216	44.2	4.2
5	10620.00	47.1 PK	74.0	-26.9	1.65 H	208	33.4	13.7
6	10620.00	36.2 AV	54.0	-17.8	1.65 H	208	22.5	13.7
7	15930.00	58.4 PK	74.0	-15.6	1.64 H	0	43.8	14.6
8	15930.00	46.3 AV	54.0	-7.7	1.64 H	0	31.7	14.6

Remarks:

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

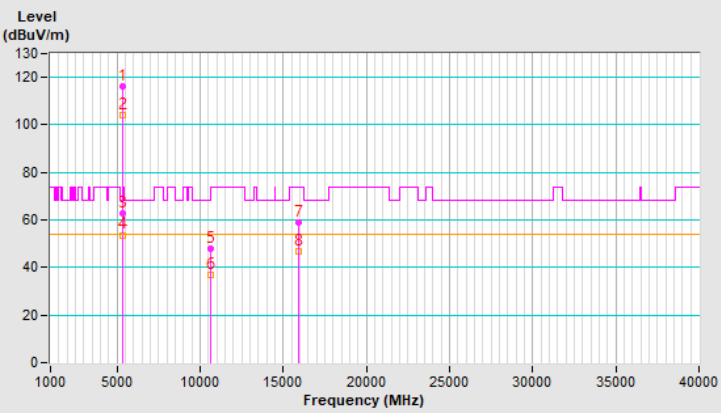


RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	116.1 PK			1.96 V	13	112.1	4.0
2	*5310.00	104.2 AV			1.96 V	13	100.2	4.0
3	5350.00	62.8 PK	74.0	-11.2	1.96 V	13	58.6	4.2
4	5350.00	53.7 AV	54.0	-0.3	1.96 V	13	49.5	4.2
5	10620.00	48.1 PK	74.0	-25.9	1.46 V	146	34.4	13.7
6	10620.00	36.9 AV	54.0	-17.1	1.46 V	146	23.2	13.7
7	15930.00	58.8 PK	74.0	-15.2	1.32 V	312	44.2	14.6
8	15930.00	47.0 AV	54.0	-7.0	1.32 V	312	32.4	14.6

Remarks:

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

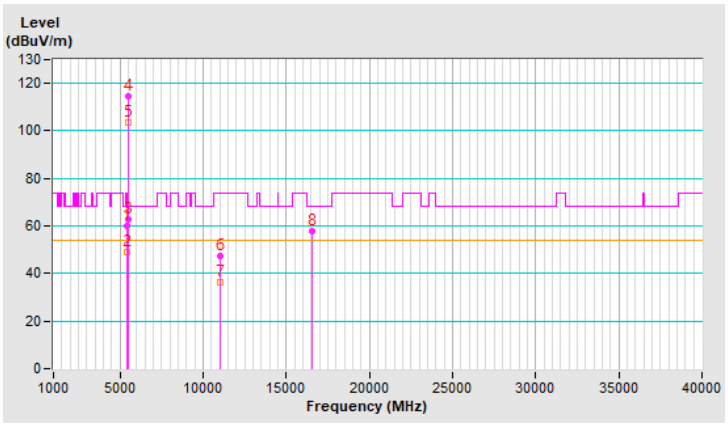


RF Mode	802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	5455.02	59.9 PK	74.0	-14.1	1.98 H	212	55.5	4.4
2	5455.02	49.0 AV	54.0	-5.0	1.98 H	212	44.6	4.4
3	#5470.00	62.7 PK	68.2	-5.5	1.98 H	212	58.3	4.4
4	*5510.00	114.7 PK			1.98 H	212	110.2	4.5
5	*5510.00	103.6 AV			1.98 H	212	99.1	4.5
6	11020.00	47.6 PK	74.0	-26.4	1.60 H	195	33.2	14.4
7	11020.00	36.3 AV	54.0	-17.7	1.60 H	195	21.9	14.4
8	#16530.00	57.9 PK	68.2	-10.3	1.58 H	0	41.0	16.9

Remarks:

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

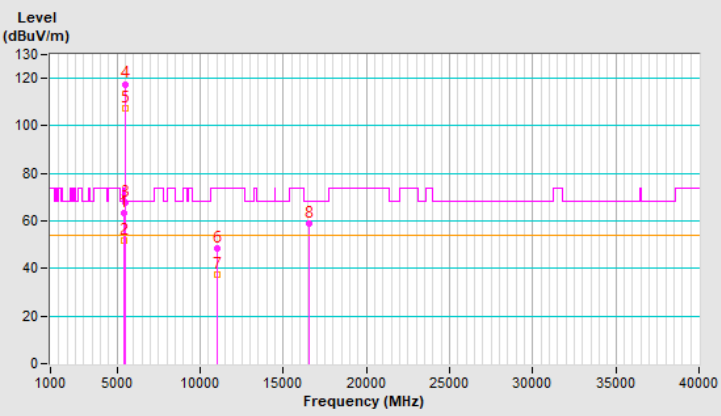


RF Mode	802.11ax (HE40)	**Channel**	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	5458.71	63.2 PK	74.0	-10.8	1.82 V	18	58.8	4.4
2	5458.71	52.0 AV	54.0	-2.0	1.82 V	18	47.6	4.4
3	#5470.00	67.7 PK	68.2	-0.5	1.82 V	18	63.3	4.4
4	*5510.00	117.6 PK			1.82 V	18	113.1	4.5
5	*5510.00	107.3 AV			1.82 V	18	102.8	4.5
6	11020.00	48.6 PK	74.0	-25.4	1.37 V	141	34.2	14.4
7	11020.00	37.6 AV	54.0	-16.4	1.37 V	141	23.2	14.4
8	#16530.00	59.1 PK	68.2	-9.1	1.30 V	311	42.2	16.9

Remarks:

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

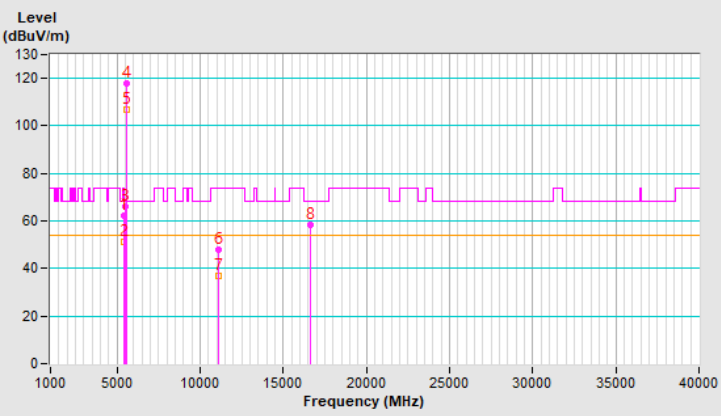


RF Mode	802.11ax (HE40)	**Channel**	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	62.1 PK	74.0	-11.9	1.01 H	122	57.7	4.4
2	5460.00	51.1 AV	54.0	-2.9	1.01 H	122	46.7	4.4
3	#5470.00	66.3 PK	68.2	-1.9	1.01 H	122	61.9	4.4
4	*5550.00	117.9 PK			1.01 H	122	113.5	4.4
5	*5550.00	107.0 AV			1.01 H	122	102.6	4.4
6	11100.00	48.1 PK	74.0	-25.9	1.61 H	196	34.2	13.9
7	11100.00	36.8 AV	54.0	-17.2	1.61 H	196	22.9	13.9
8	#16650.00	58.3 PK	68.2	-9.9	1.64 H	21	40.7	17.6

Remarks:

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

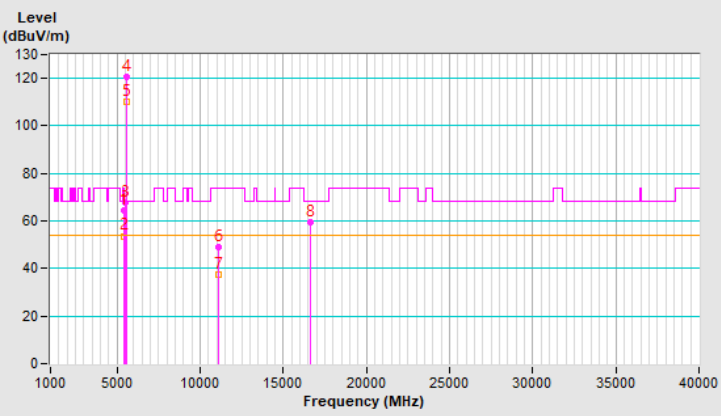


RF Mode	802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	64.5 PK	74.0	-9.5	1.77 V	11	60.1	4.4
2	5460.00	53.7 AV	54.0	-0.3	1.77 V	11	49.3	4.4
3	#5470.00	67.6 PK	68.2	-0.6	1.77 V	11	63.2	4.4
4	*5550.00	120.5 PK			1.77 V	11	116.1	4.4
5	*5550.00	110.1 AV			1.77 V	11	105.7	4.4
6	11100.00	49.0 PK	74.0	-25.0	1.41 V	122	35.1	13.9
7	11100.00	37.6 AV	54.0	-16.4	1.41 V	122	23.7	13.9
8	#16650.00	59.6 PK	68.2	-8.6	1.35 V	309	42.0	17.6

Remarks:

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

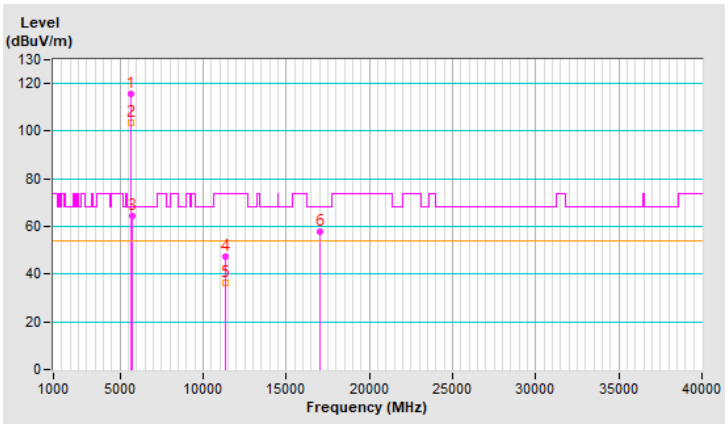


RF Mode	802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	115.9 PK			1.34 H	182	111.4	4.5
2	*5670.00	103.5 AV			1.34 H	182	99.0	4.5
3	#5725.00	64.3 PK	68.2	-3.9	1.34 H	182	59.7	4.6
4	11340.00	47.2 PK	74.0	-26.8	1.61 H	192	32.4	14.8
5	11340.00	36.2 AV	54.0	-17.8	1.61 H	192	21.4	14.8
6	#17010.00	58.0 PK	68.2	-10.2	1.54 H	1	38.9	19.1

Remarks:

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

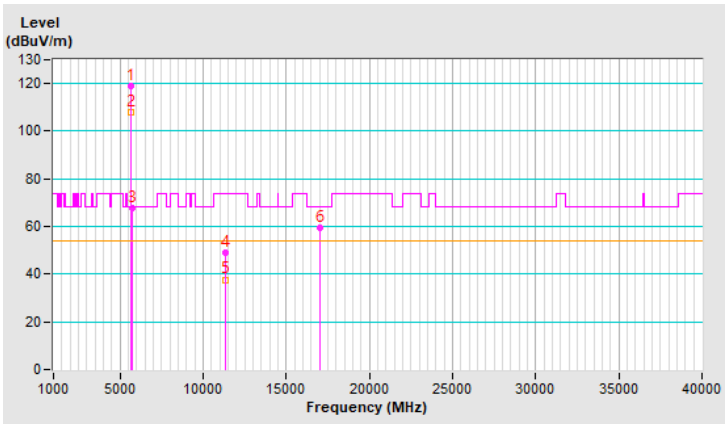


RF Mode	802.11ax (HE40)	**Channel**	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	119.0 PK			1.86 V	18	114.5	4.5
2	*5670.00	107.7 AV			1.86 V	18	103.2	4.5
3	#5730.21	67.7 PK	68.2	-0.5	1.86 V	18	63.1	4.6
4	11340.00	48.9 PK	74.0	-25.1	1.42 V	146	34.1	14.8
5	11340.00	37.7 AV	54.0	-16.3	1.42 V	146	22.9	14.8
6	#17010.00	59.6 PK	68.2	-8.6	1.34 V	294	40.5	19.1

Remarks:

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

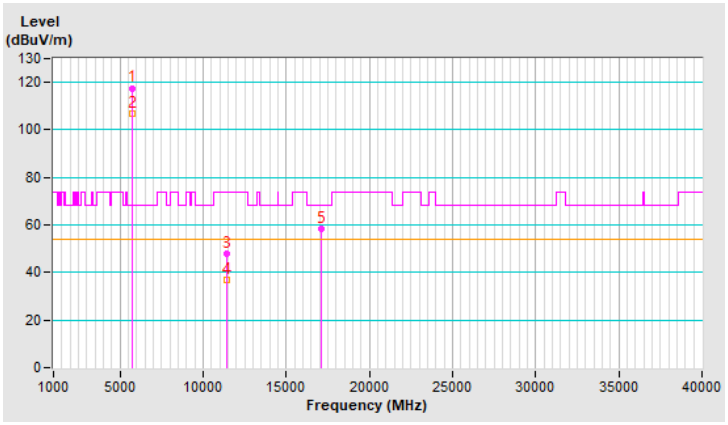


RF Mode	802.11ax (HE40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	*5710.00	117.6 PK			1.01 H	134	113.1	4.5
2	*5710.00	106.7 AV			1.01 H	134	102.2	4.5
3	11420.00	48.1 PK	74.0	-25.9	1.64 H	204	33.2	14.9
4	11420.00	37.0 AV	54.0	-17.0	1.64 H	204	22.1	14.9
5	#17130.00	58.4 PK	68.2	-9.8	1.55 H	15	39.2	19.2

Remarks:

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

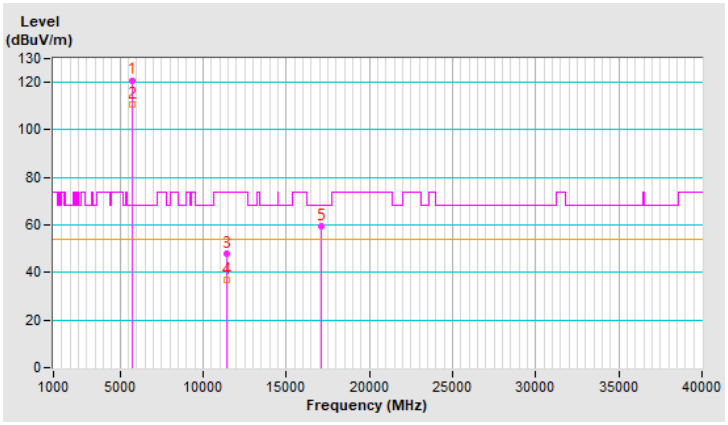


RF Mode	802.11ax (HE40)	**Channel**	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	*5710.00	120.9 PK			1.79 V	32	116.4	4.5
2	*5710.00	110.7 AV			1.79 V	32	106.2	4.5
3	11420.00	47.8 PK	74.0	-26.2	1.35 V	121	32.9	14.9
4	11420.00	36.8 AV	54.0	-17.2	1.35 V	121	21.9	14.9
5	#17130.00	59.3 PK	68.2	-8.9	1.28 V	302	40.1	19.2

Remarks:

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

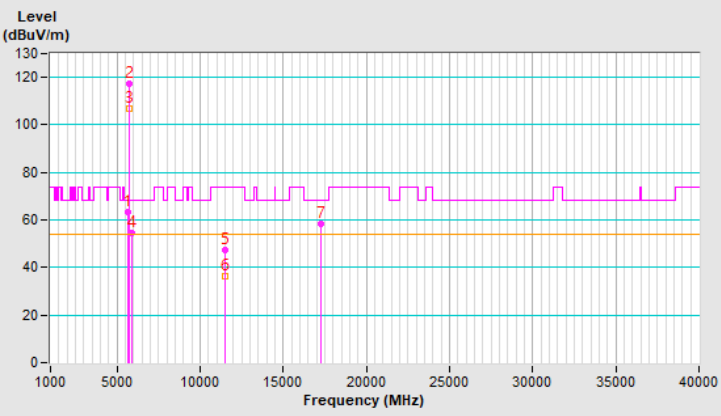


RF Mode	802.11ax (HE40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5646.33	63.2 PK	68.2	-5.0	1.06 H	141	58.5	4.7
2	*5755.00	117.3 PK			1.06 H	141	112.8	4.5
3	*5755.00	106.7 AV			1.06 H	141	102.2	4.5
4	#5926.65	54.5 PK	68.2	-13.7	1.06 H	141	49.4	5.1
5	11510.00	47.5 PK	74.0	-26.5	1.61 H	210	32.6	14.9
6	11510.00	36.4 AV	54.0	-17.6	1.61 H	210	21.5	14.9
7	#17265.00	58.2 PK	68.2	-10.0	1.59 H	0	39.6	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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

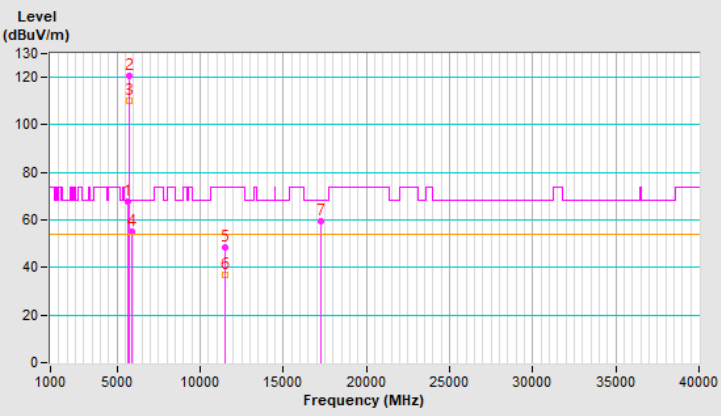


RF Mode	802.11ax (HE40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5645.17	67.7 PK	68.2	-0.5	1.82 V	19	63.0	4.7
2	*5755.00	120.7 PK			1.82 V	19	116.2	4.5
3	*5755.00	110.3 AV			1.82 V	19	105.8	4.5
4	#5927.31	55.0 PK	68.2	-13.2	1.82 V	19	49.9	5.1
5	11510.00	48.5 PK	74.0	-25.5	1.40 V	134	33.6	14.9
6	11510.00	36.9 AV	54.0	-17.1	1.40 V	134	22.0	14.9
7	#17265.00	59.6 PK	68.2	-8.6	1.38 V	297	41.0	18.6

Remarks:

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

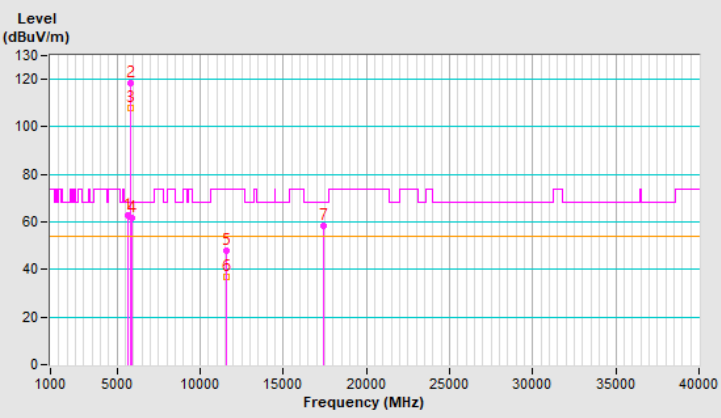


RF Mode	802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5643.24	62.9 PK	68.2	-5.3	1.13 H	145	58.2	4.7
2	*5795.00	118.6 PK			1.13 H	145	113.7	4.9
3	*5795.00	107.8 AV			1.13 H	145	102.9	4.9
4	#5932.83	61.9 PK	68.2	-6.3	1.13 H	145	56.8	5.1
5	11590.00	47.8 PK	74.0	-26.2	1.57 H	199	33.2	14.6
6	11590.00	36.8 AV	54.0	-17.2	1.57 H	199	22.2	14.6
7	#17385.00	58.4 PK	68.2	-9.8	1.61 H	10	39.5	18.9

Remarks:

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

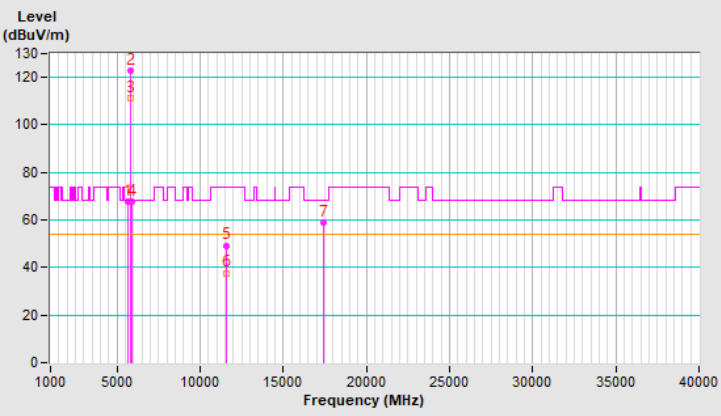


RF Mode	802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5647.95	67.7 PK	68.2	-0.5	1.78 V	16	63.0	4.7
2	*5795.00	122.6 PK			1.78 V	16	117.7	4.9
3	*5795.00	111.0 AV			1.78 V	16	106.1	4.9
4	#5925.00	67.8 PK	68.2	-0.4	1.78 V	16	62.7	5.1
5	11590.00	49.3 PK	74.0	-24.7	1.40 V	136	34.7	14.6
6	11590.00	37.7 AV	54.0	-16.3	1.40 V	136	23.1	14.6
7	#17385.00	59.0 PK	68.2	-9.2	1.31 V	311	40.1	18.9

Remarks:

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

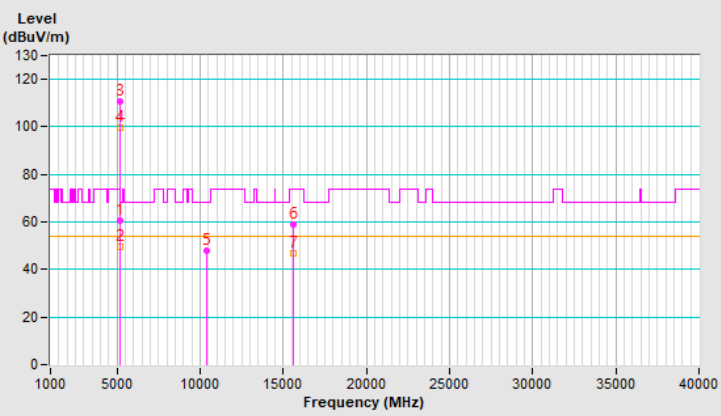


RF Mode	802.11ax (HE80)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	60.4 PK	74.0	-13.6	2.14 H	218	55.9	4.5
2	5150.00	49.8 AV	54.0	-4.2	2.14 H	218	45.3	4.5
3	*5210.00	110.6 PK			2.14 H	218	106.3	4.3
4	*5210.00	99.6 AV			2.14 H	218	95.3	4.3
5	#10420.00	47.9 PK	68.2	-20.3	1.64 H	215	33.8	14.1
6	15630.00	58.8 PK	74.0	-15.2	1.62 H	0	44.5	14.3
7	15630.00	46.6 AV	54.0	-7.4	1.62 H	0	32.3	14.3

Remarks:

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

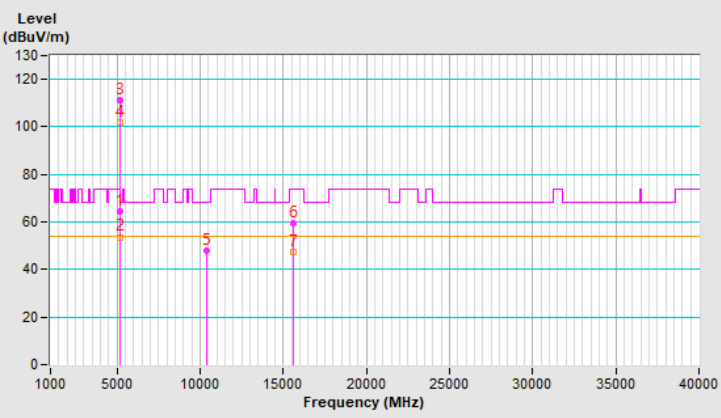


RF Mode	802.11ax (HE80)	**Channel**	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	64.4 PK	74.0	-9.6	1.99 V	7	59.9	4.5
2	5150.00	53.7 AV	54.0	-0.3	1.99 V	7	49.2	4.5
3	*5210.00	111.4 PK			1.99 V	7	107.1	4.3
4	*5210.00	101.9 AV			1.99 V	7	97.6	4.3
5	#10420.00	48.1 PK	68.2	-20.1	1.45 V	143	34.0	14.1
6	15630.00	59.7 PK	74.0	-14.3	1.34 V	298	45.4	14.3
7	15630.00	47.5 AV	54.0	-6.5	1.34 V	298	33.2	14.3

Remarks:

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

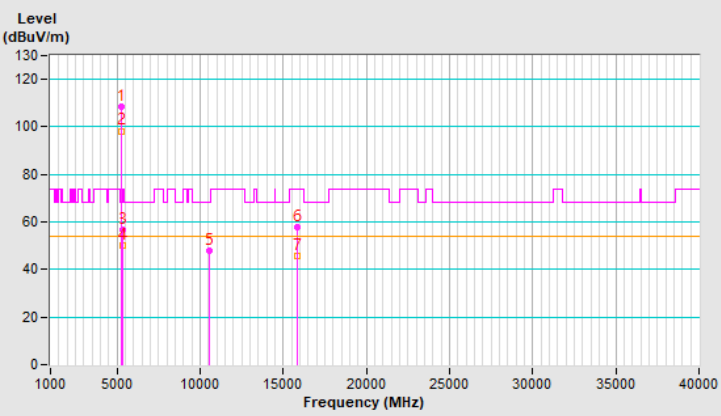


RF Mode	802.11ax (HE80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	108.7 PK			2.30 H	216	104.7	4.0
2	*5290.00	98.3 AV			2.30 H	216	94.3	4.0
3	5350.00	56.9 PK	74.0	-17.1	2.30 H	216	52.7	4.2
4	5350.00	50.3 AV	54.0	-3.7	2.30 H	216	46.1	4.2
5	#10580.00	47.8 PK	68.2	-20.4	1.68 H	212	34.0	13.8
6	15870.00	57.8 PK	74.0	-16.2	1.58 H	0	43.3	14.5
7	15870.00	45.8 AV	54.0	-8.2	1.58 H	0	31.3	14.5

Remarks:

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

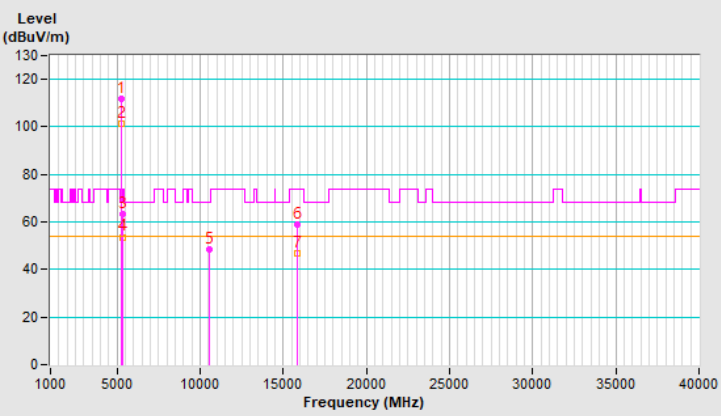


RF Mode	802.11ax (HE80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	111.9 PK			1.88 V	13	107.9	4.0
2	*5290.00	101.1 AV			1.88 V	13	97.1	4.0
3	5350.00	63.2 PK	74.0	-10.8	1.88 V	13	59.0	4.2
4	5350.00	53.7 AV	54.0	-0.3	1.88 V	13	49.5	4.2
5	#10580.00	48.4 PK	68.2	-19.8	1.37 V	132	34.6	13.8
6	15870.00	59.1 PK	74.0	-14.9	1.33 V	304	44.6	14.5
7	15870.00	47.0 AV	54.0	-7.0	1.33 V	304	32.5	14.5

Remarks:

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

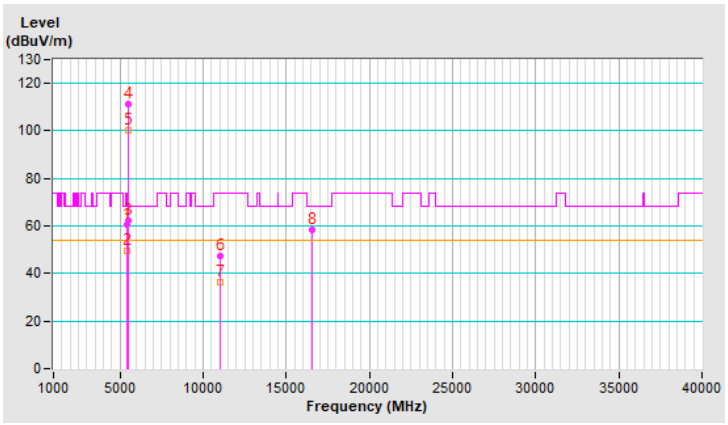


RF Mode	802.11ax (HE80)	**Channel**	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	5459.05	60.7 PK	74.0	-13.3	2.06 H	211	56.3	4.4
2	5459.05	49.5 AV	54.0	-4.5	2.06 H	211	45.1	4.4
3	#5470.00	62.2 PK	68.2	-6.0	2.06 H	211	57.8	4.4
4	*5530.00	111.5 PK			2.06 H	211	107.1	4.4
5	*5530.00	100.2 AV			2.06 H	211	95.8	4.4
6	11060.00	47.4 PK	74.0	-26.6	1.58 H	190	33.2	14.2
7	11060.00	36.1 AV	54.0	-17.9	1.58 H	190	21.9	14.2
8	#16590.00	58.4 PK	68.2	-9.8	1.55 H	20	41.2	17.2

Remarks:

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

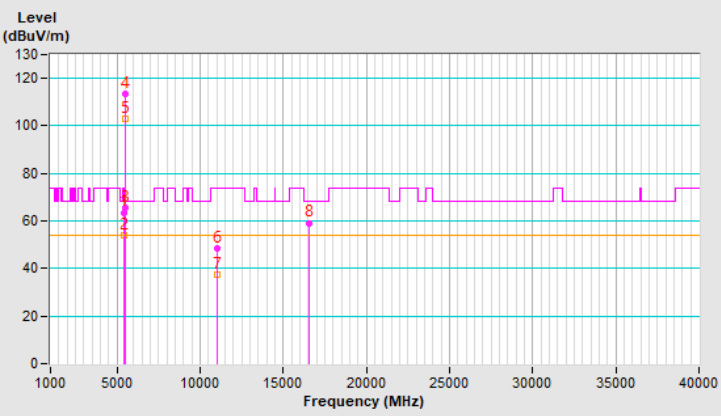


RF Mode	802.11ax (HE80)	**Channel**	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	63.6 PK	74.0	-10.4	2.01 V	17	59.2	4.4
2	**5460.00**	**53.8 AV**	**54.0**	**-0.2**	**2.01 V**	**17**	**49.4**	**4.4**
3	#5467.58	65.5 PK	68.2	-2.7	2.01 V	17	61.1	4.4
4	*5530.00	113.5 PK			2.01 V	17	109.1	4.4
5	*5530.00	103.1 AV			2.01 V	17	98.7	4.4
6	11060.00	48.3 PK	74.0	-25.7	1.39 V	127	34.1	14.2
7	11060.00	37.2 AV	54.0	-16.8	1.39 V	127	23.0	14.2
8	#16590.00	59.2 PK	68.2	-9.0	1.36 V	297	42.0	17.2

Remarks:

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

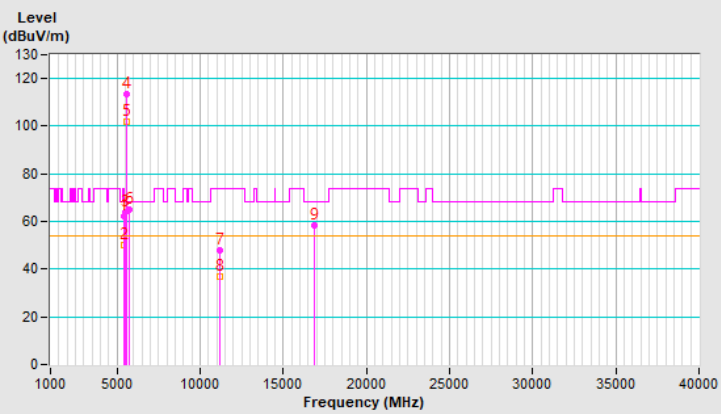


RF Mode	802.11ax (HE80)	**Channel**	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	62.3 PK	74.0	-11.7	1.13 H	151	57.9	4.4
2	5460.00	50.2 AV	54.0	-3.8	1.13 H	151	45.8	4.4
3	#5470.00	64.1 PK	68.2	-4.1	1.13 H	151	59.7	4.4
4	*5610.00	113.2 PK			1.13 H	151	108.7	4.5
5	*5610.00	101.8 AV			1.13 H	151	97.3	4.5
6	#5725.00	65.2 PK	68.2	-3.0	1.13 H	151	60.6	4.6
7	11220.00	47.9 PK	74.0	-26.1	1.57 H	186	33.8	14.1
8	11220.00	36.9 AV	54.0	-17.1	1.57 H	186	22.8	14.1
9	#16830.00	58.6 PK	68.2	-9.6	1.64 H	6	40.2	18.4

Remarks:

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

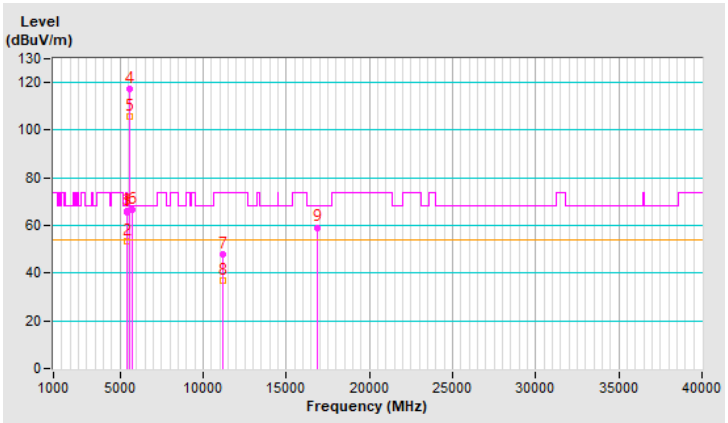


RF Mode	802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	65.7 PK	74.0	-8.3	1.93 V	22	61.3	4.4
2	5460.00	53.6 AV	54.0	-0.4	1.93 V	22	49.2	4.4
3	#5460.45	66.0 PK	68.2	-2.2	1.93 V	22	61.6	4.4
4	*5610.00	117.1 PK			1.93 V	22	112.6	4.5
5	*5610.00	105.5 AV			1.93 V	22	101.0	4.5
6	#5737.33	66.8 PK	68.2	-1.4	1.93 V	22	62.2	4.6
7	11220.00	48.1 PK	74.0	-25.9	1.37 V	148	34.0	14.1
8	11220.00	37.0 AV	54.0	-17.0	1.37 V	148	22.9	14.1
9	#16830.00	59.2 PK	68.2	-9.0	1.28 V	311	40.8	18.4

Remarks:

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

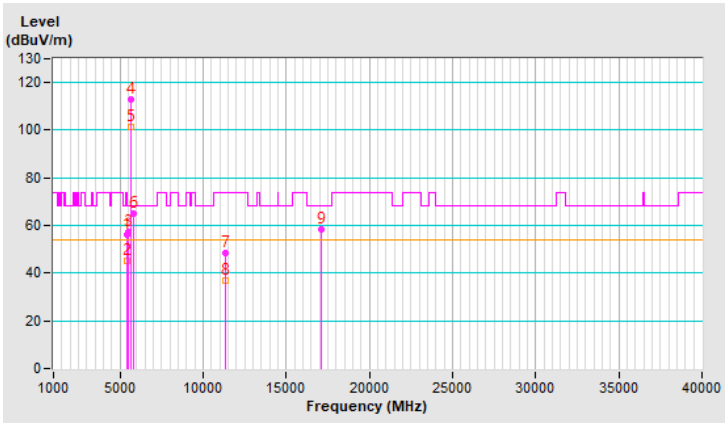


RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	56.2 PK	74.0	-17.8	1.05 H	145	51.8	4.4
2	5460.00	45.3 AV	54.0	-8.7	1.05 H	145	40.9	4.4
3	#5470.00	57.3 PK	68.2	-10.9	1.05 H	145	52.9	4.4
4	*5690.00	113.0 PK			1.05 H	145	108.5	4.5
5	*5690.00	101.4 AV			1.05 H	145	96.9	4.5
6	#5850.00	64.8 PK	68.2	-3.4	1.05 H	145	59.7	5.1
7	11380.00	48.3 PK	74.0	-25.7	1.59 H	214	33.3	15.0
8	11380.00	37.0 AV	54.0	-17.0	1.59 H	214	22.0	15.0
9	#17070.00	58.5 PK	68.2	-9.7	1.59 H	17	39.3	19.2

Remarks:

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

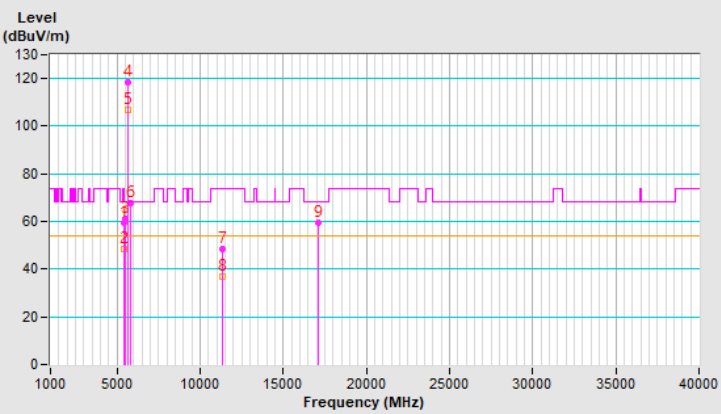


RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	59.4 PK	74.0	-14.6	1.85 V	13	55.0	4.4
2	5460.00	48.5 AV	54.0	-5.5	1.85 V	13	44.1	4.4
3	#5470.00	60.9 PK	68.2	-7.3	1.85 V	13	56.5	4.4
4	*5690.00	118.2 PK			1.85 V	13	113.7	4.5
5	*5690.00	106.8 AV			1.85 V	13	102.3	4.5
6	#5852.14	67.7 PK	68.2	-0.5	1.85 V	13	62.6	5.1
7	11380.00	48.4 PK	74.0	-25.6	1.45 V	121	33.4	15.0
8	11380.00	36.8 AV	54.0	-17.2	1.45 V	121	21.8	15.0
9	#17070.00	59.4 PK	68.2	-8.8	1.35 V	306	40.2	19.2

Remarks:

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

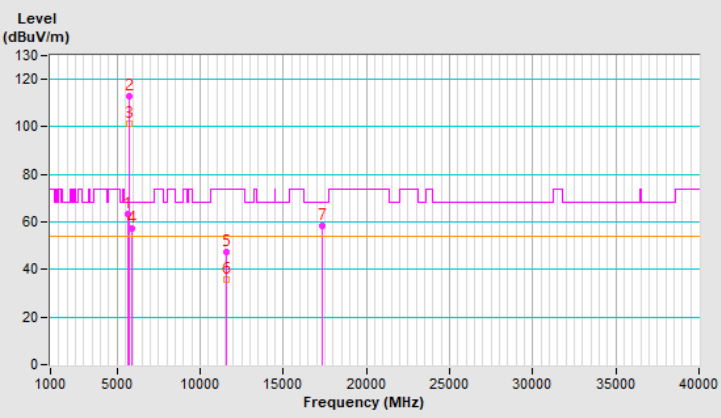


RF Mode	802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5643.02	63.1 PK	68.2	-5.1	1.08 H	143	58.4	4.7
2	*5775.00	112.9 PK			1.08 H	143	108.2	4.7
3	*5775.00	101.4 AV			1.08 H	143	96.7	4.7
4	#5928.43	57.4 PK	68.2	-10.8	1.08 H	143	52.3	5.1
5	11550.00	47.2 PK	74.0	-26.8	1.62 H	210	32.5	14.7
6	11550.00	36.0 AV	54.0	-18.0	1.62 H	210	21.3	14.7
7	#17325.00	58.2 PK	68.2	-10.0	1.55 H	1	39.7	18.5

Remarks:

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

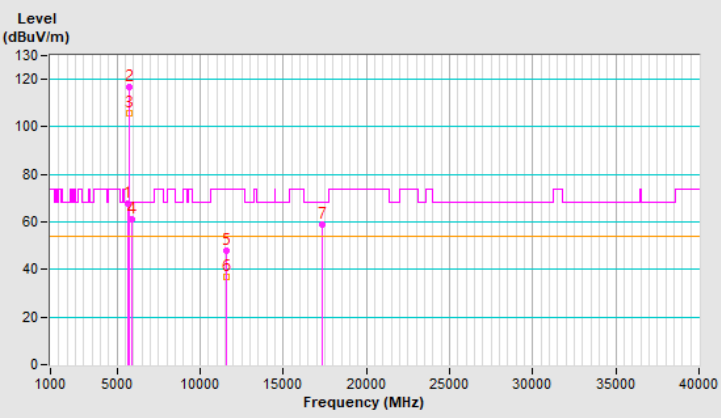


RF Mode	802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	#5638.84	67.7 PK	68.2	-0.5	1.93 V	18	63.1	4.6
2	*5775.00	116.7 PK			1.93 V	18	112.0	4.7
3	*5775.00	105.5 AV			1.93 V	18	100.8	4.7
4	#5927.79	61.3 PK	68.2	-6.9	1.93 V	18	56.2	5.1
5	11550.00	47.8 PK	74.0	-26.2	1.40 V	120	33.1	14.7
6	11550.00	36.8 AV	54.0	-17.2	1.40 V	120	22.1	14.7
7	#17325.00	58.8 PK	68.2	-9.4	1.28 V	312	40.3	18.5

Remarks:

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

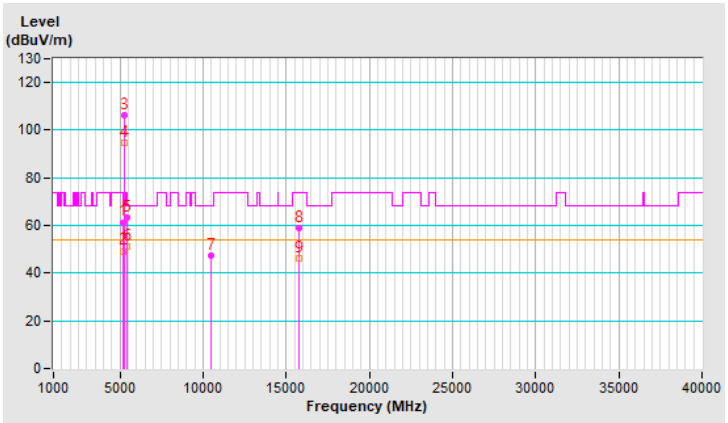


RF Mode	802.11ax (HE160)	**Channel**	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

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	61.4 PK	74.0	-12.6	1.99 H	221	56.9	4.5
2	5150.00	49.3 AV	54.0	-4.7	1.99 H	221	44.8	4.5
3	*5250.00	106.5 PK			1.99 H	221	102.5	4.0
4	*5250.00	94.9 AV			1.99 H	221	90.9	4.0
5	5416.44	63.2 PK	74.0	-10.8	1.99 H	221	58.9	4.3
6	5416.44	51.0 AV	54.0	-3.0	1.99 H	221	46.7	4.3
7	#10500.00	47.5 PK	68.2	-20.7	1.61 H	195	33.3	14.2
8	15750.00	58.9 PK	74.0	-15.1	1.61 H	6	44.5	14.4
9	15750.00	46.5 AV	54.0	-7.5	1.61 H	6	32.1	14.4

Remarks:

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

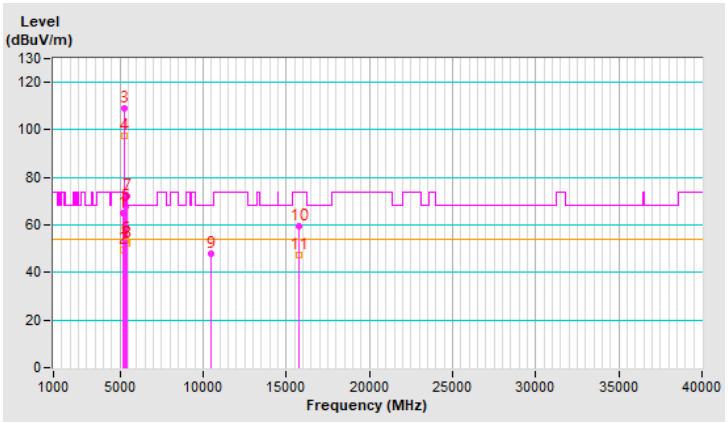


RF Mode	802.11ax (HE160)	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	65.0 PK	74.0	-9.0	1.34 V	16	60.5	4.5
2	5150.00	49.6 AV	54.0	-4.4	1.34 V	16	45.1	4.5
3	*5250.00	109.2 PK			1.34 V	16	105.2	4.0
4	*5250.00	97.4 AV			1.34 V	16	93.4	4.0
5	5350.00	67.5 PK	74.0	-6.5	1.34 V	16	63.3	4.2
6	5350.00	53.7 AV	54.0	-0.3	1.34 V	16	49.5	4.2
7	5395.32	72.3 PK	74.0	-1.7	1.34 V	16	68.0	4.3
8	5395.32	52.1 AV	54.0	-1.9	1.34 V	16	47.8	4.3
9	#10500.00	48.0 PK	68.2	-20.2	1.37 V	145	33.8	14.2
10	15750.00	59.5 PK	74.0	-14.5	1.27 V	298	45.1	14.4
11	15750.00	47.5 AV	54.0	-6.5	1.27 V	298	33.1	14.4

Remarks:

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

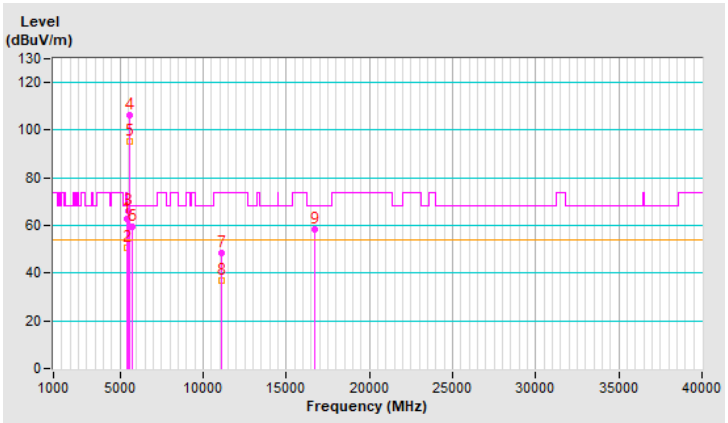


RF Mode	802.11ax (HE160)	Channel	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan Du		

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	5422.43	62.6 PK	74.0	-11.4	2.06 H	212	58.3	4.3
2	5422.43	50.8 AV	54.0	-3.2	2.06 H	212	46.5	4.3
3	#5469.73	66.0 PK	68.2	-2.2	2.06 H	212	61.6	4.4
4	*5570.00	106.5 PK			2.06 H	212	102.1	4.4
5	*5570.00	95.1 AV			2.06 H	212	90.7	4.4
6	#5761.43	59.6 PK	68.2	-8.6	2.06 H	212	55.0	4.6
7	11140.00	48.2 PK	74.0	-25.8	1.62 H	191	34.2	14.0
8	11140.00	36.8 AV	54.0	-17.2	1.62 H	191	22.8	14.0
9	#16710.00	58.5 PK	68.2	-9.7	1.64 H	13	40.2	18.3

Remarks:

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

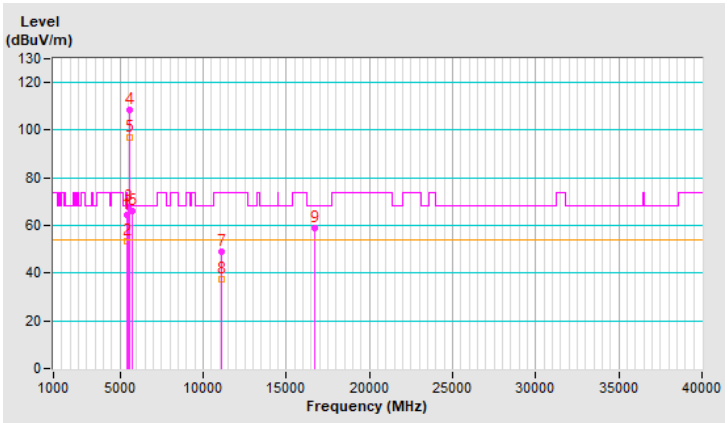


RF Mode	802.11ax (HE160)	**Channel**	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan Du		

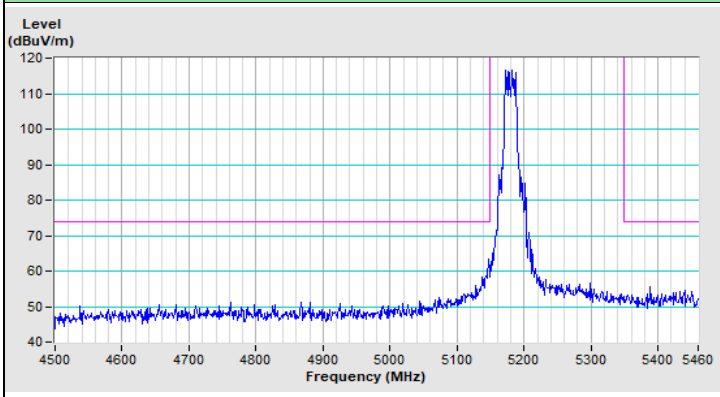
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5424.72	64.3 PK	74.0	-9.7	1.86 V	14	60.0	4.3
2	5424.72	53.6 AV	54.0	-0.4	1.86 V	14	49.3	4.3
3	#5461.11	67.7 PK	68.2	-0.5	1.86 V	14	63.3	4.4
4	*5570.00	108.6 PK			1.86 V	14	104.2	4.4
5	*5570.00	97.1 AV			1.86 V	14	92.7	4.4
6	#5751.18	66.1 PK	68.2	-2.1	1.86 V	14	61.6	4.5
7	11140.00	49.0 PK	74.0	-25.0	1.46 V	124	35.0	14.0
8	11140.00	37.5 AV	54.0	-16.5	1.46 V	124	23.5	14.0
9	#16710.00	58.8 PK	68.2	-9.4	1.34 V	294	40.5	18.3

Remarks:

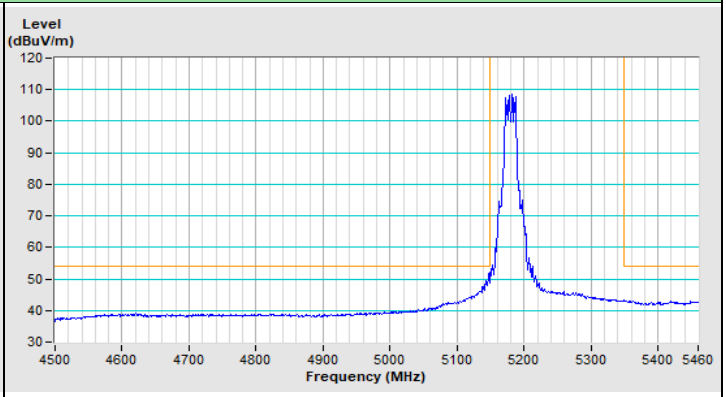
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



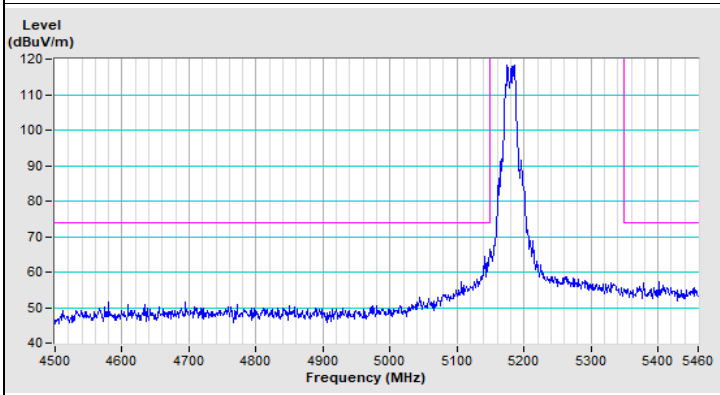
802.11a Channel 36



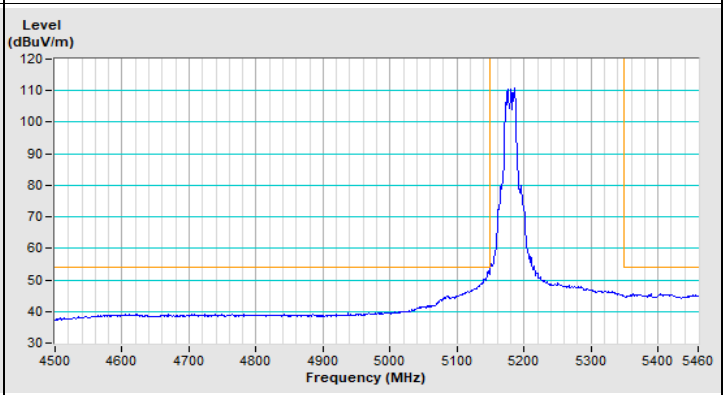
Horizontal (Peak)



Horizontal (Average)

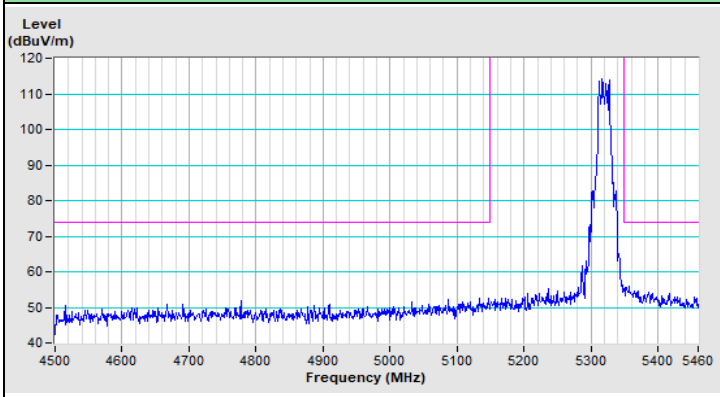


Vertical (Peak)

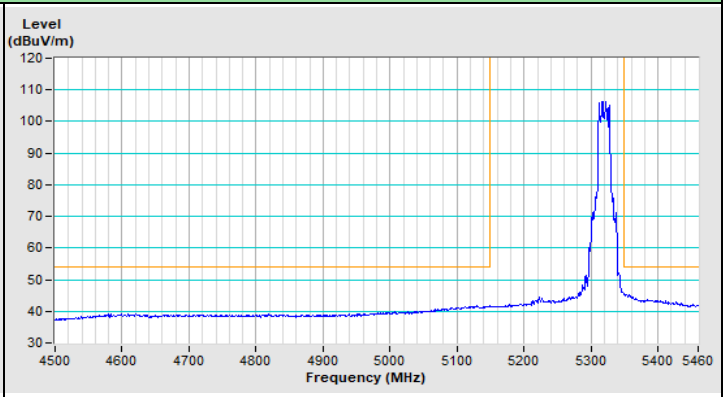


Vertical (Average)

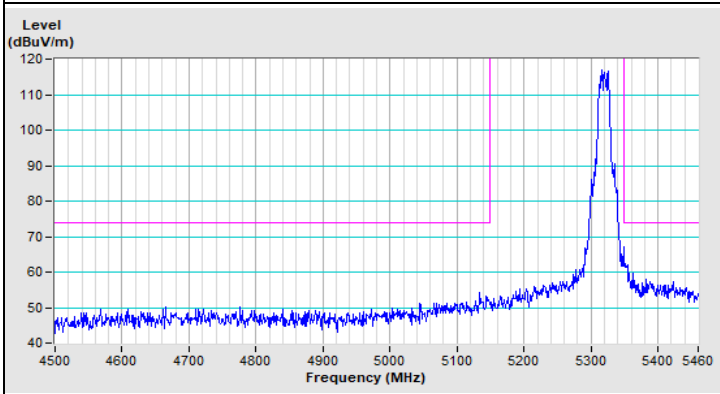
802.11a Channel 64



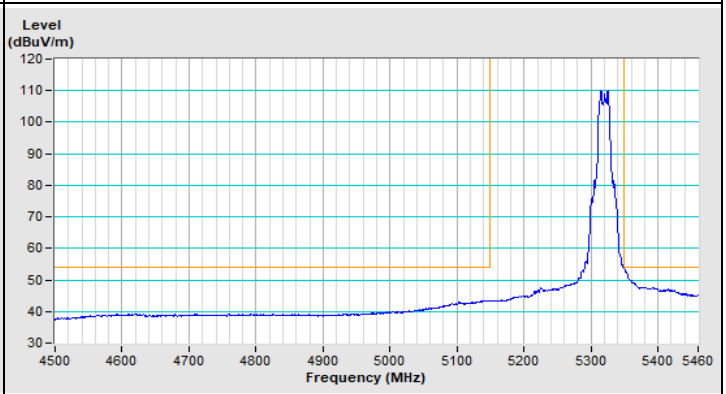
Horizontal (Peak)



Horizontal (Average)

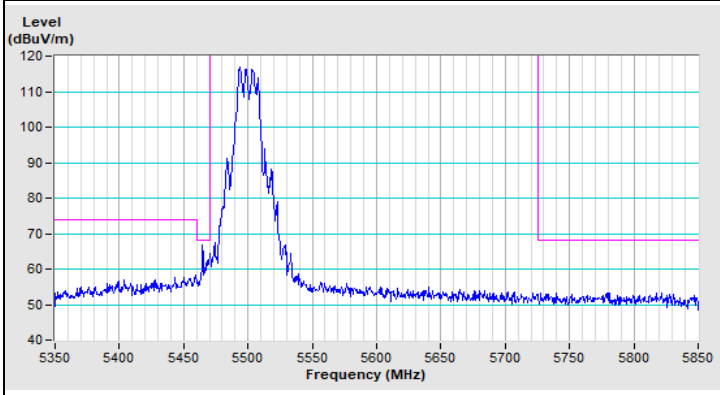


Vertical (Peak)

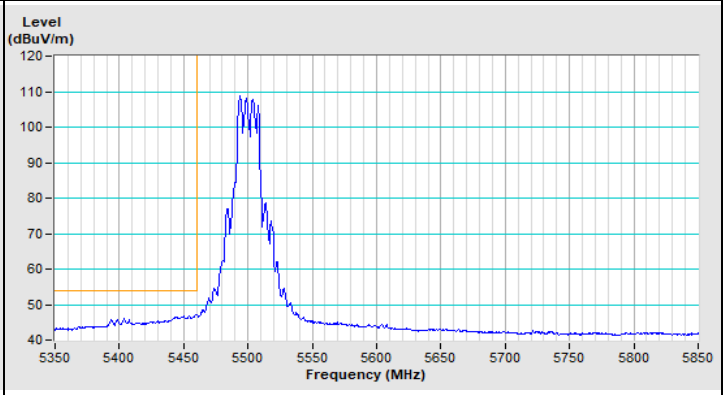


Vertical (Average)

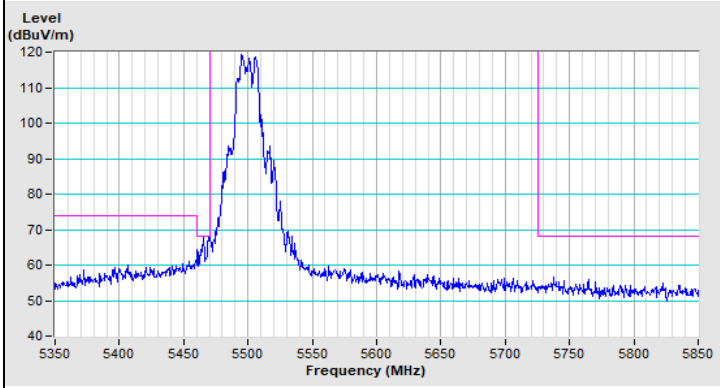
802.11a Channel 100



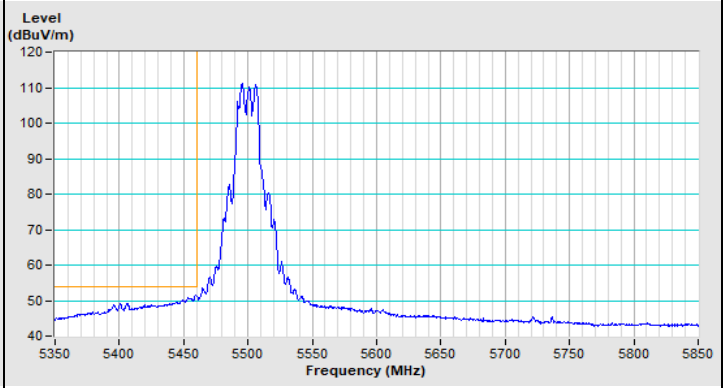
Horizontal (Peak)



Horizontal (Average)

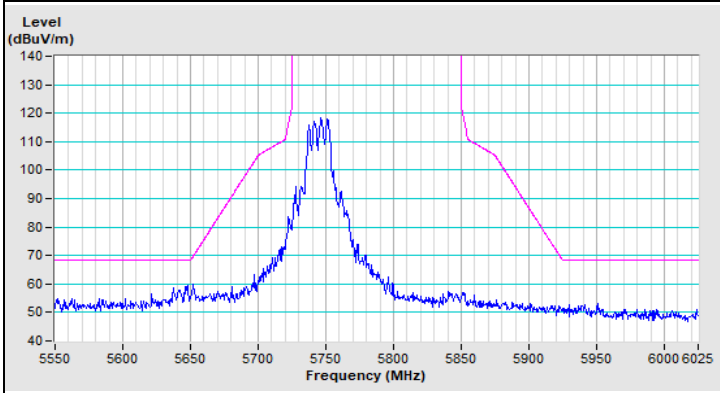


Vertical (Peak)

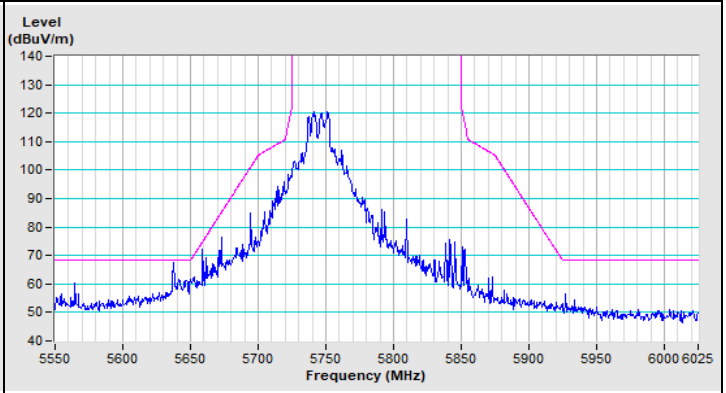


Vertical (Average)

802.11a Channel 149

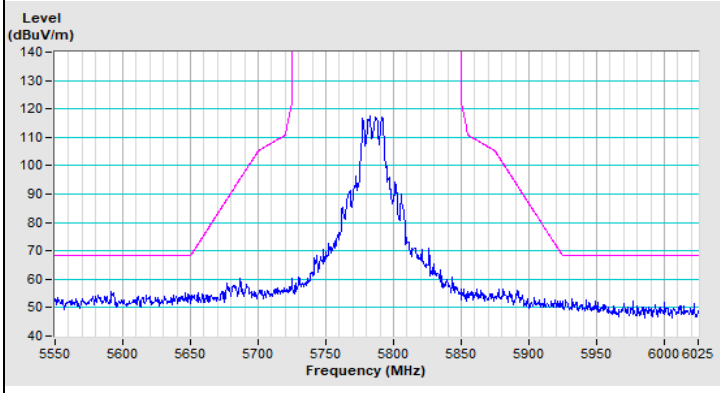


Horizontal (Peak)

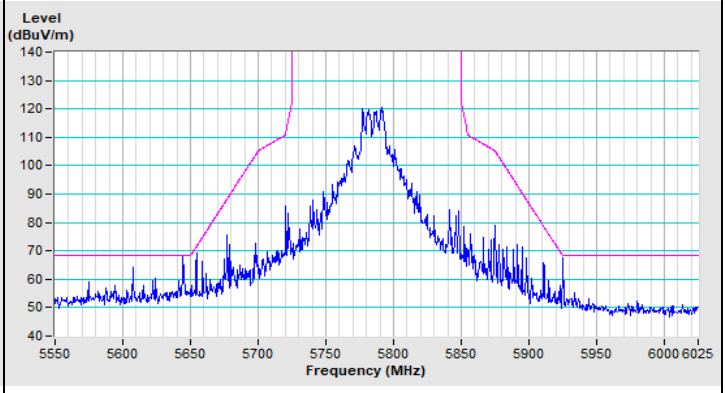


Vertical (Peak)

802.11a Channel 157

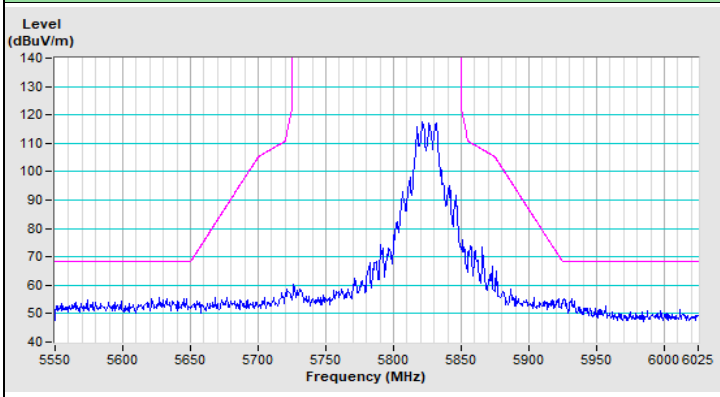


Horizontal (Peak)

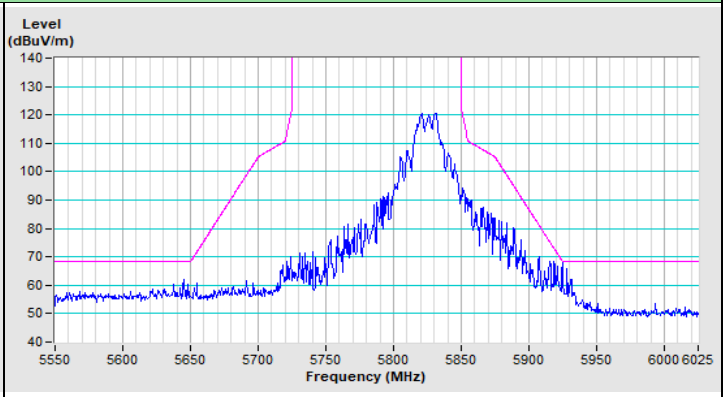


Vertical (Peak)

802.11a Channel 165

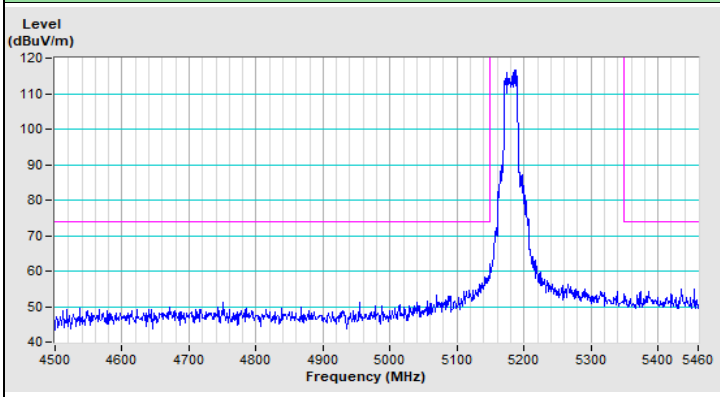


Horizontal (Peak)

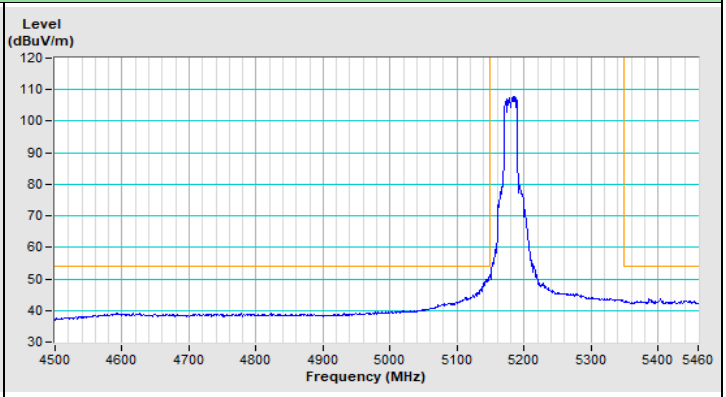


Vertical (Peak)

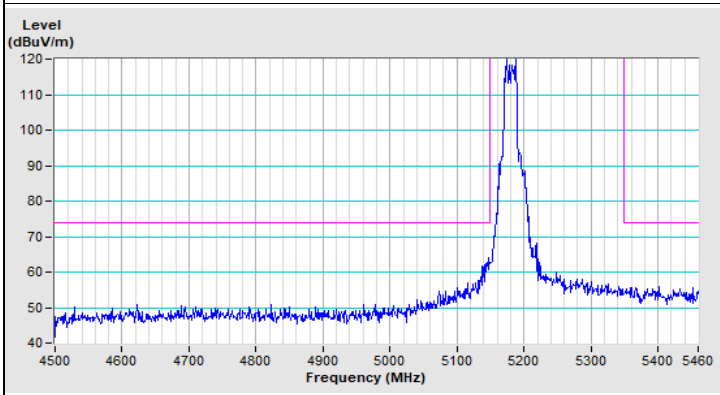
802.11ax (HE20) Channel 36



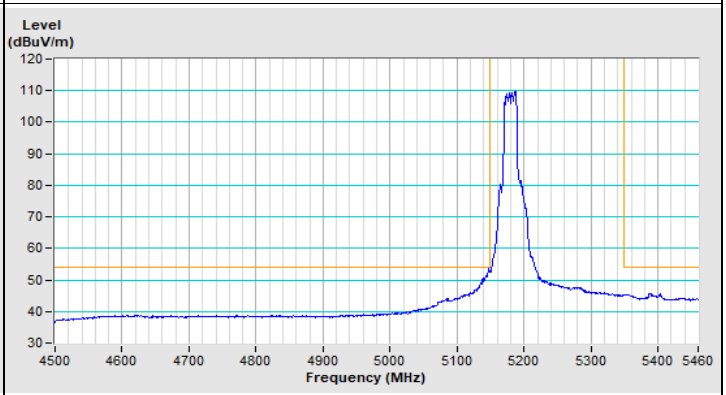
Horizontal (Peak)



Horizontal (Average)

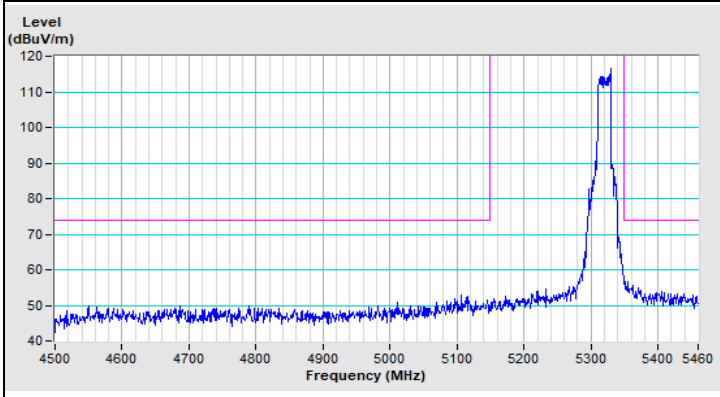


Vertical (Peak)

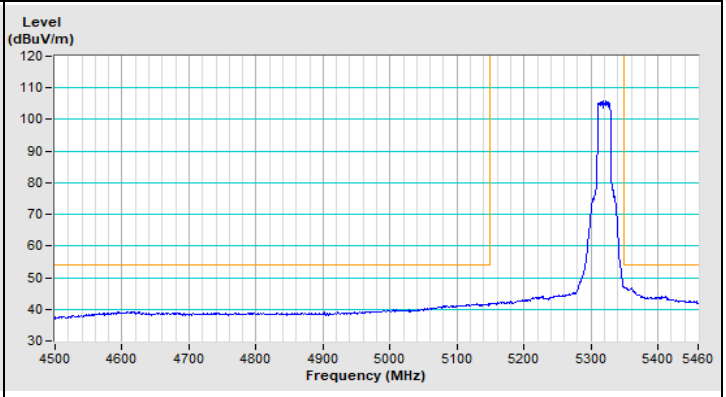


Vertical (Average)

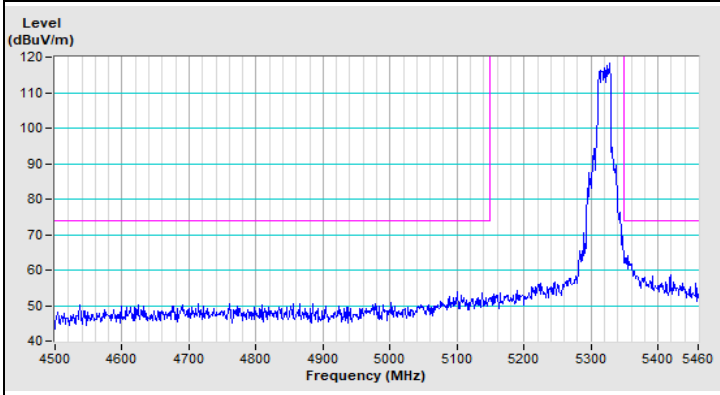
802.11ax (HE20) Channel 64



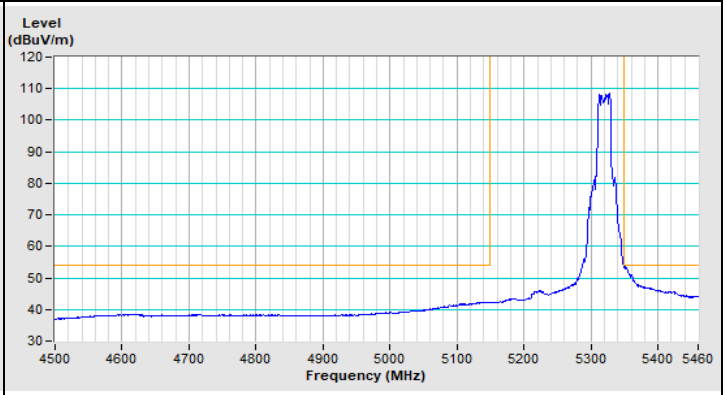
Horizontal (Peak)



Horizontal (Average)

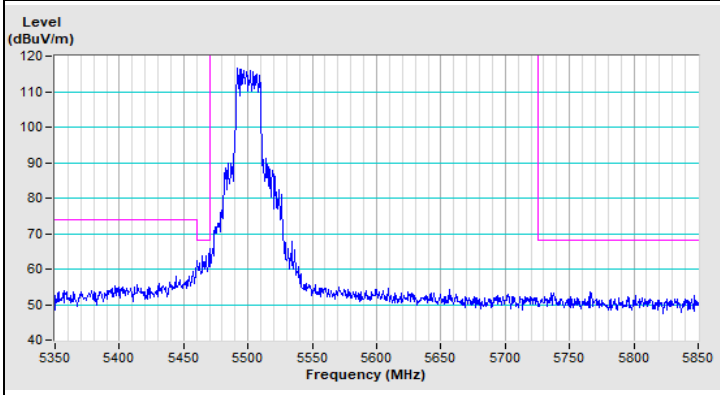


Vertical (Peak)

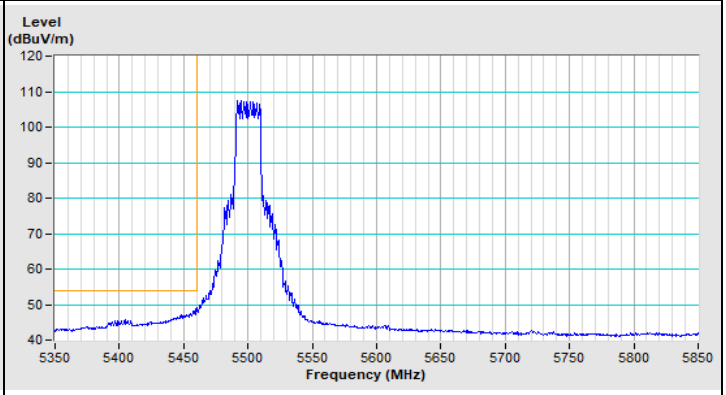


Vertical (Average)

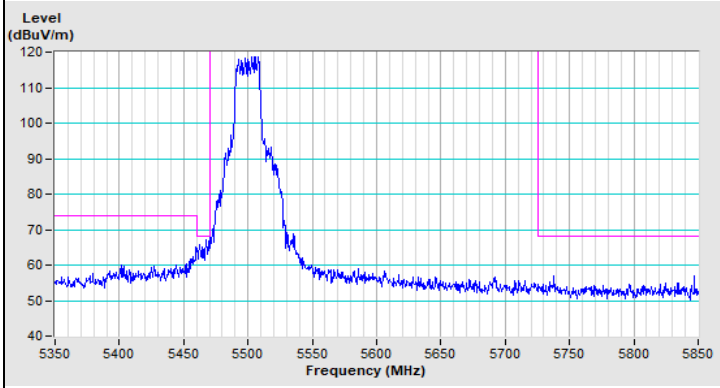
802.11ax (HE20) Channel 100



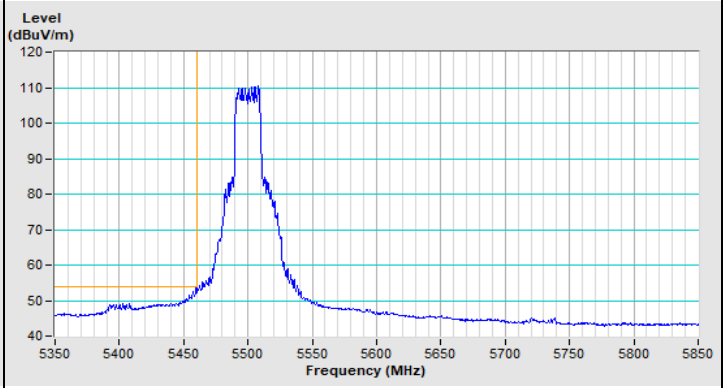
Horizontal (Peak)



Horizontal (Average)

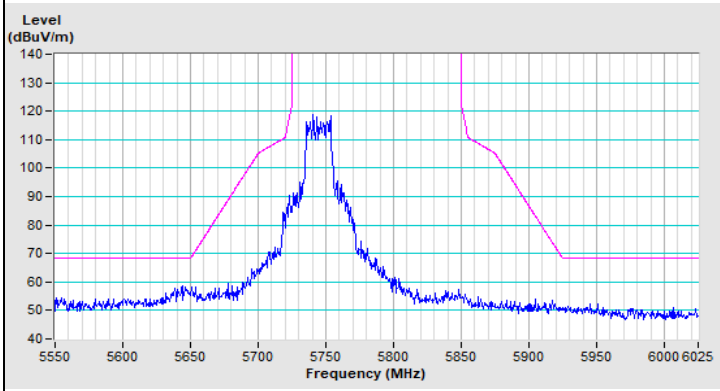


Vertical (Peak)

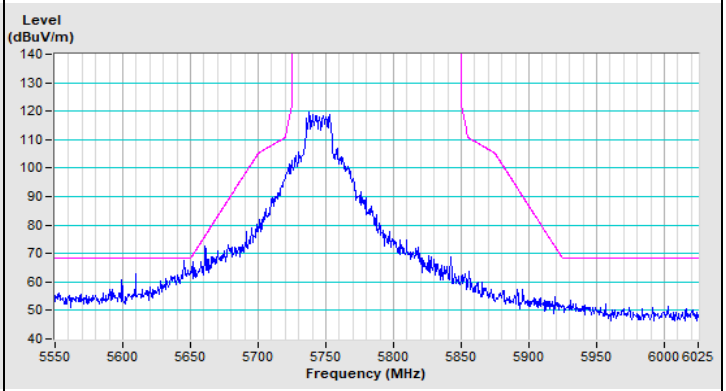


Vertical (Average)

802.11ax (HE20) Channel 149

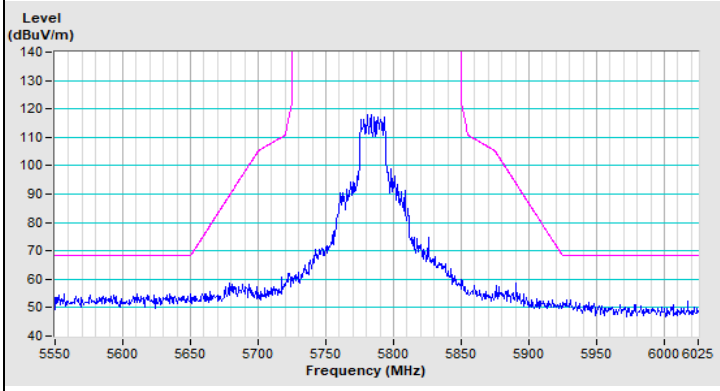


Horizontal (Peak)

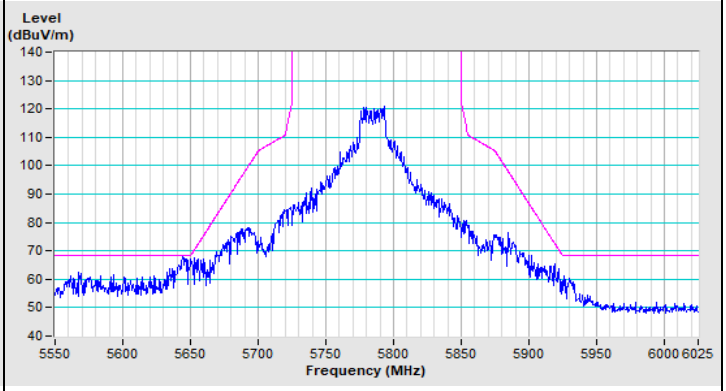


Vertical (Peak)

802.11ax (HE20) Channel 157

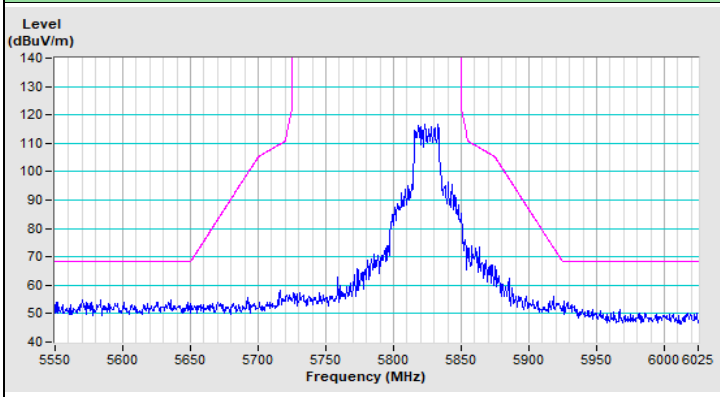


Horizontal (Peak)

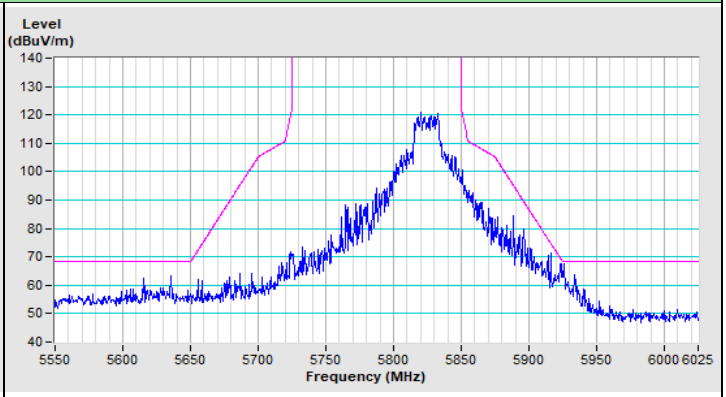


Vertical (Peak)

802.11ax (HE20) Channel 165

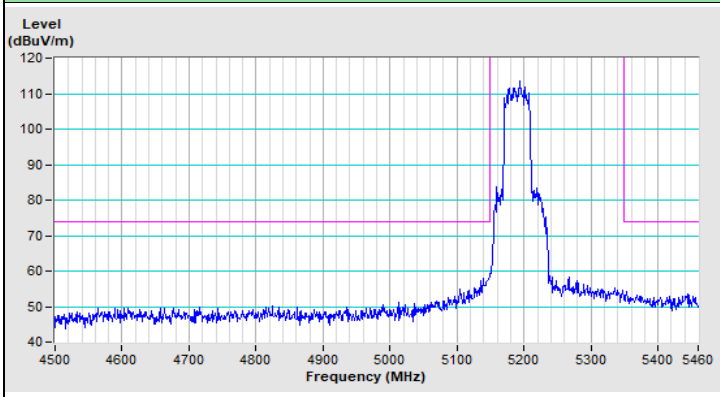


Horizontal (Peak)

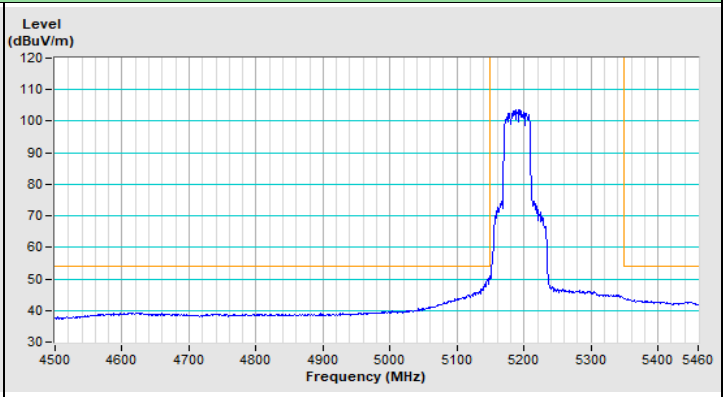


Vertical (Peak)

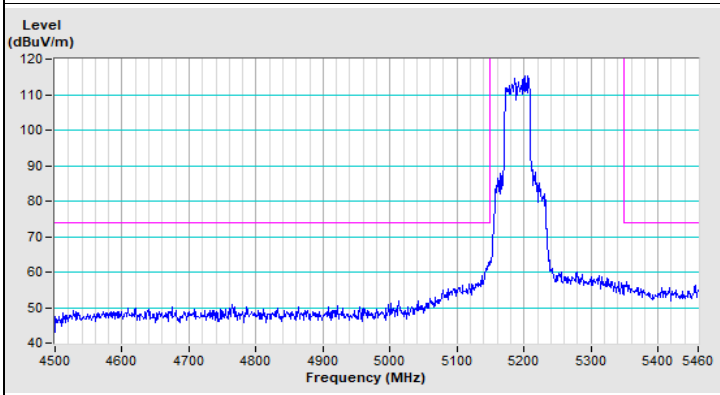
802.11ax (HE40) Channel 38



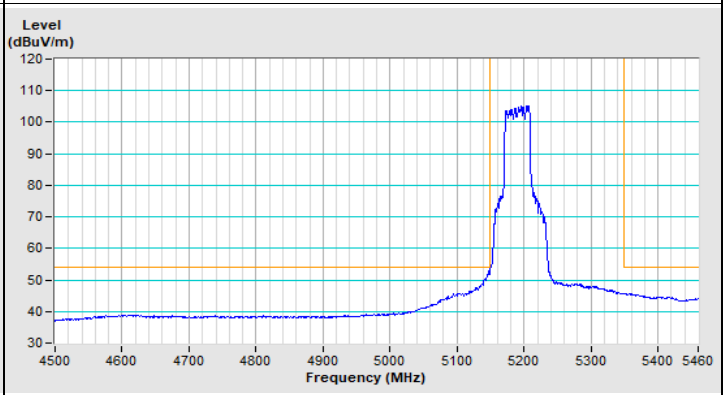
Horizontal (Peak)



Horizontal (Average)

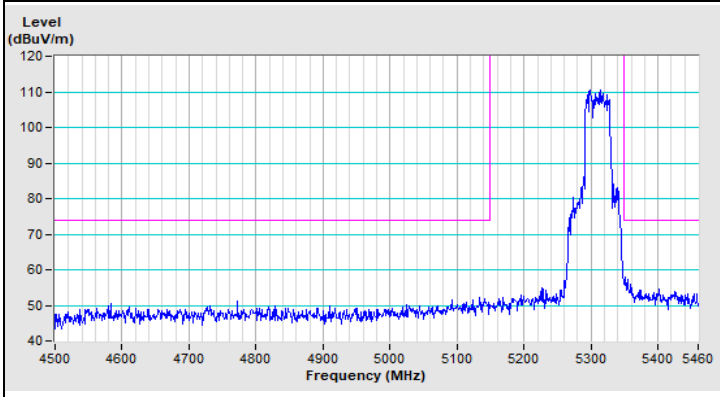


Vertical (Peak)

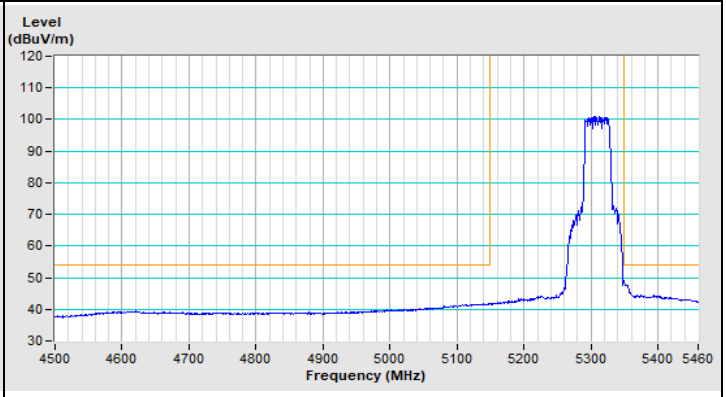


Vertical (Average)

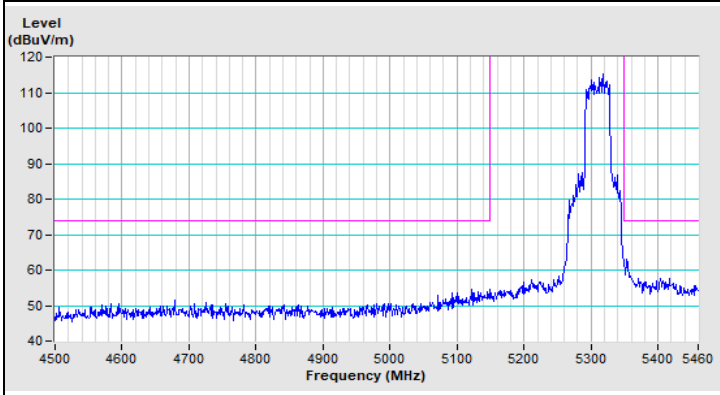
802.11ax (HE40) Channel 62



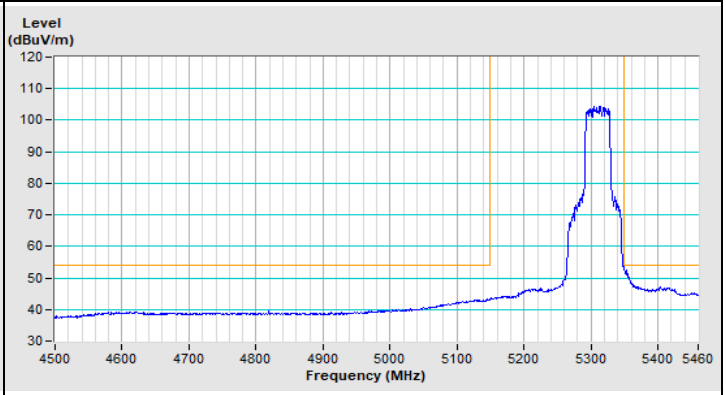
Horizontal (Peak)



Horizontal (Average)

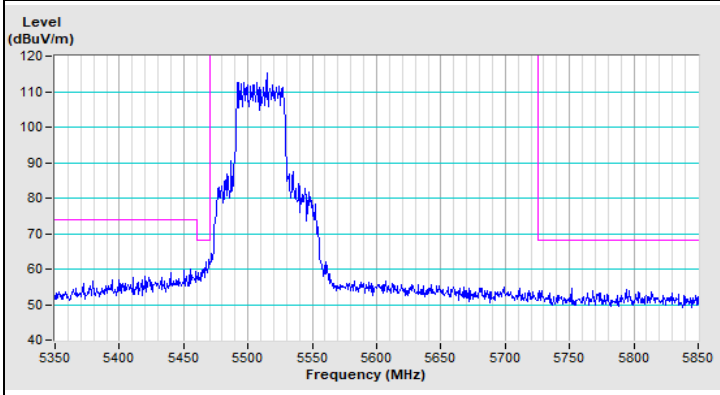


Vertical (Peak)

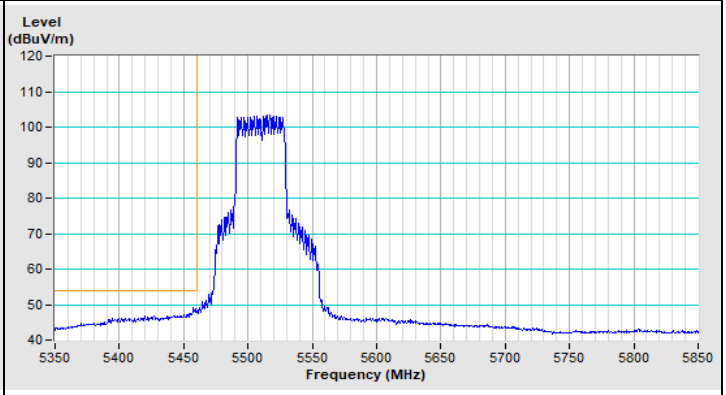


Vertical (Average)

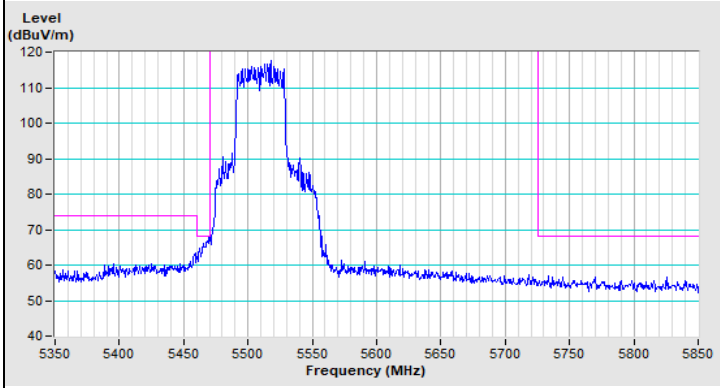
802.11ax (HE40) Channel 102



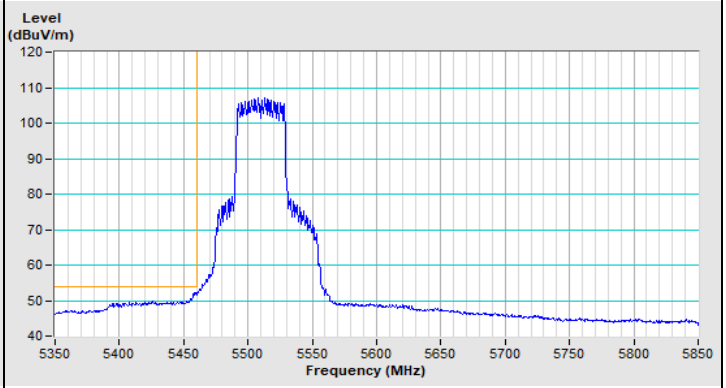
Horizontal (Peak)



Horizontal (Average)

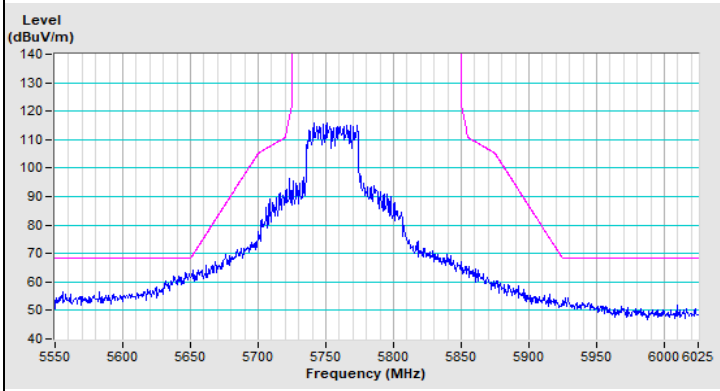


Vertical (Peak)

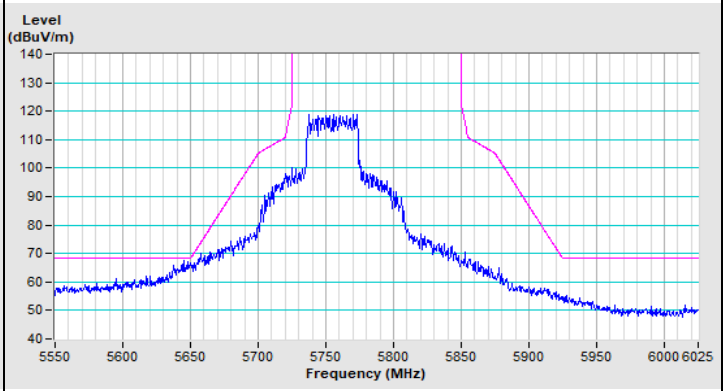


Vertical (Average)

802.11ax (HE40) Channel 151

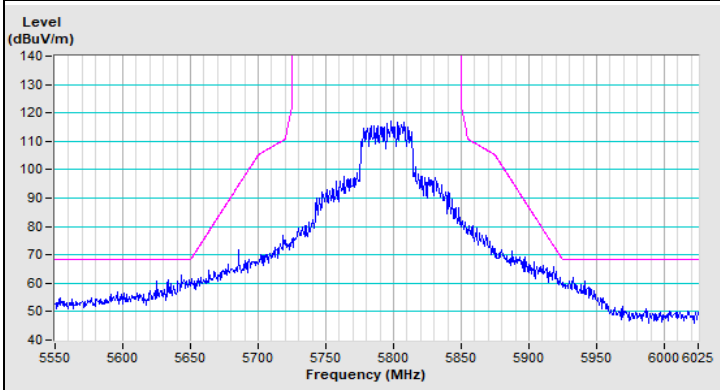


Horizontal (Peak)

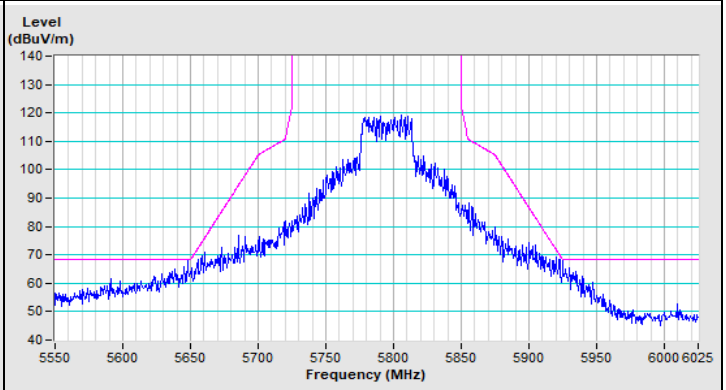


Vertical (Peak)

802.11ax (HE40) Channel 159

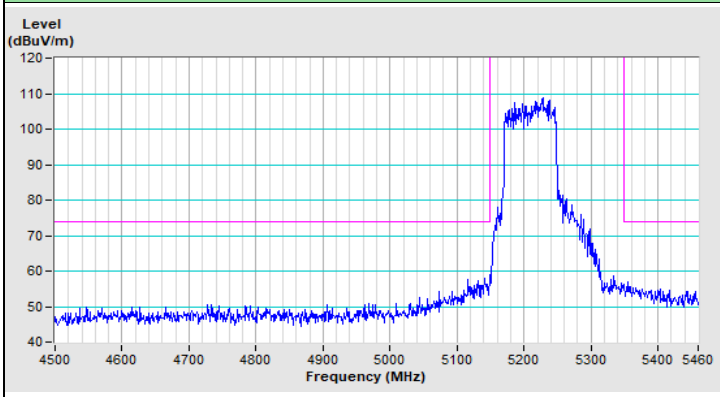


Horizontal (Peak)

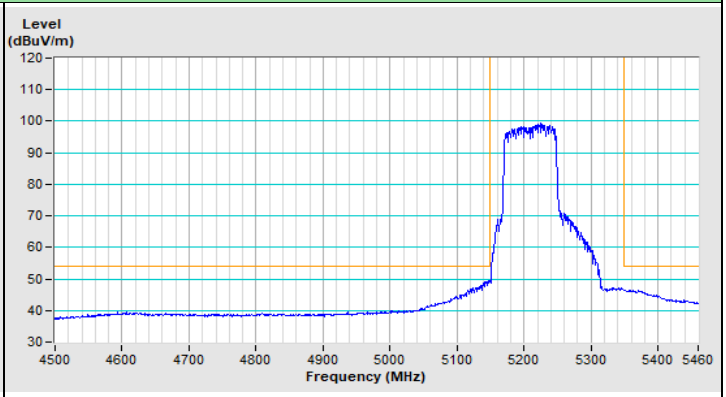


Vertical (Peak)

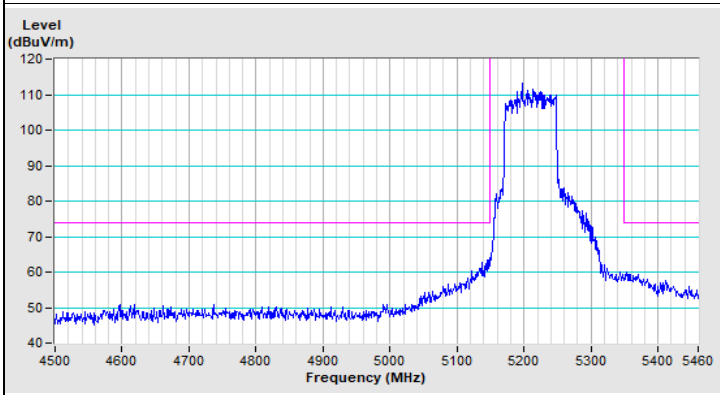
802.11ax (HE80) Channel 42



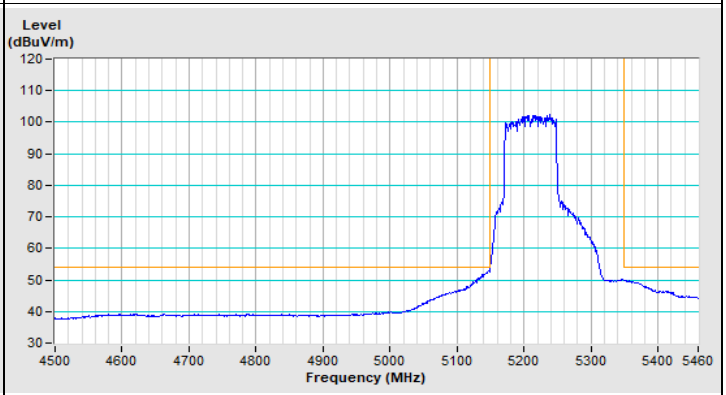
Horizontal (Peak)



Horizontal (Average)

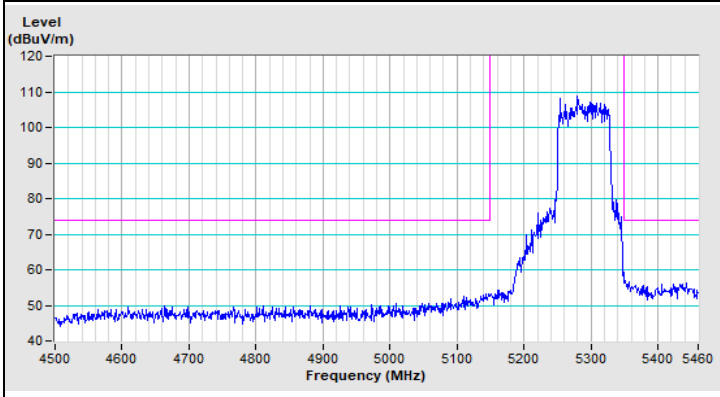


Vertical (Peak)

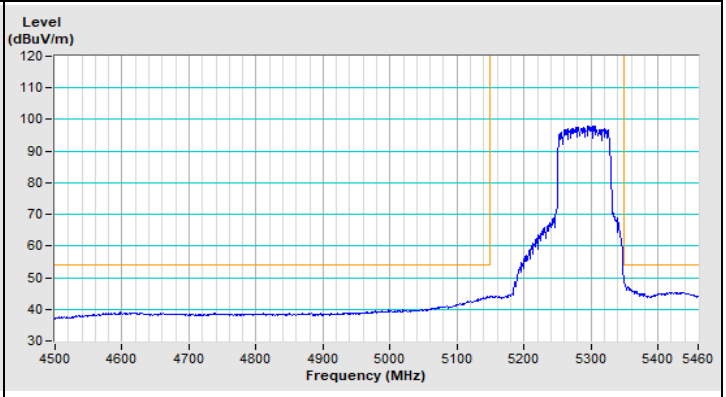


Vertical (Average)

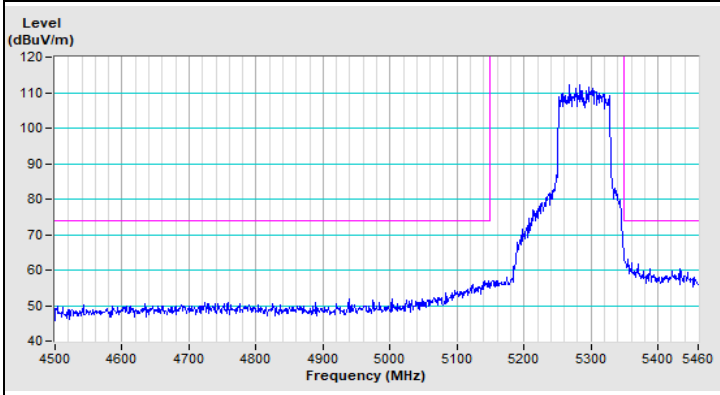
802.11ax (HE80) Channel 58



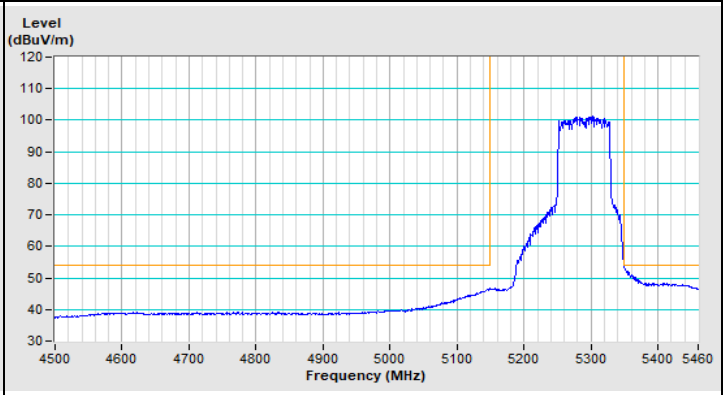
Horizontal (Peak)



Horizontal (Average)

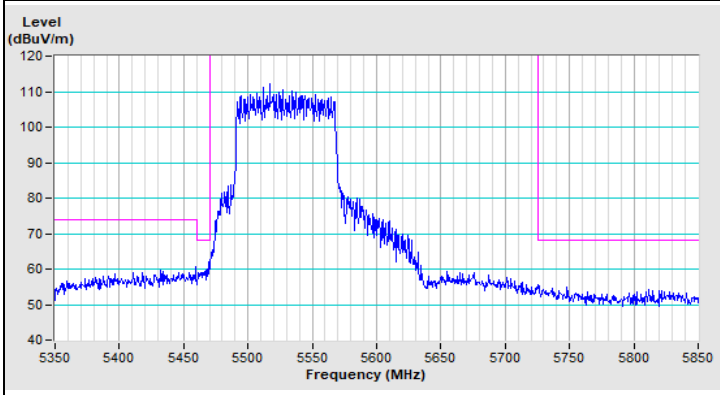


Vertical (Peak)

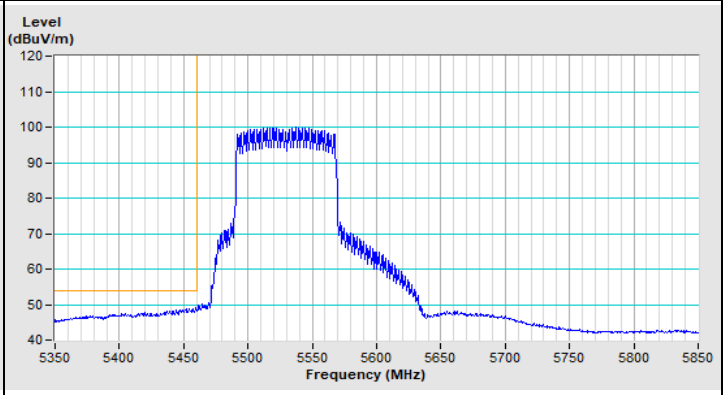


Vertical (Average)

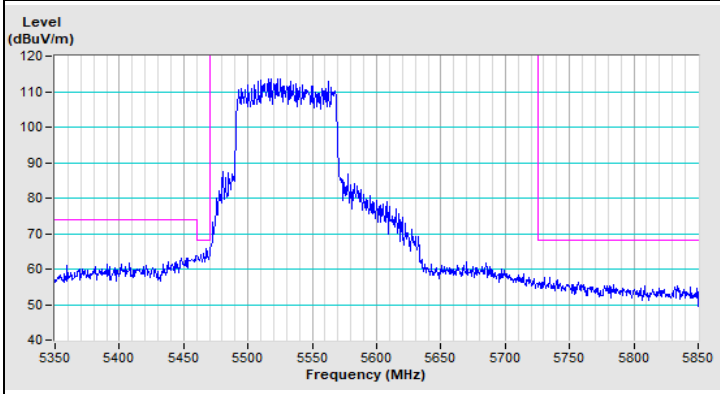
802.11ax (HE80) Channel 106



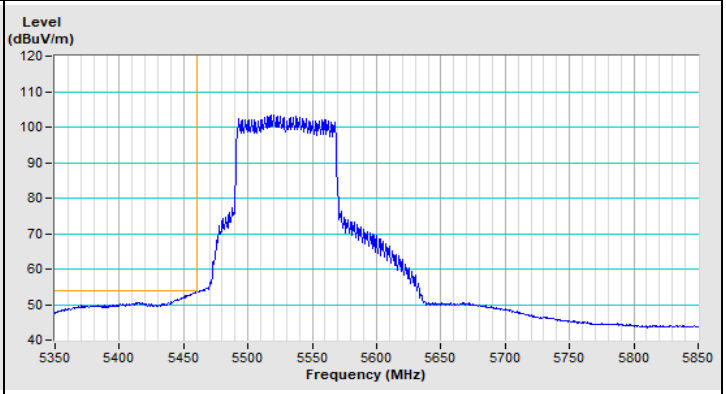
Horizontal (Peak)



Horizontal (Average)

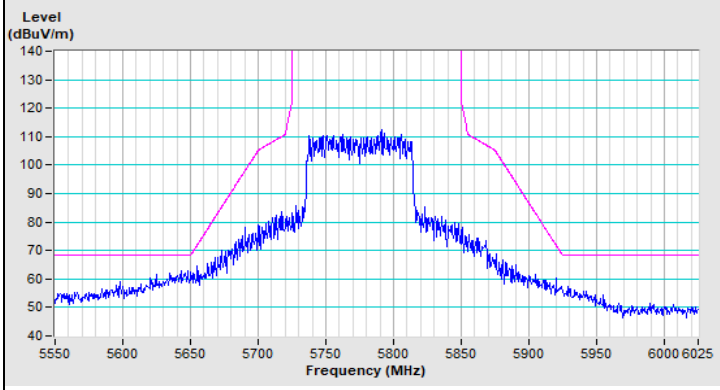


Vertical (Peak)

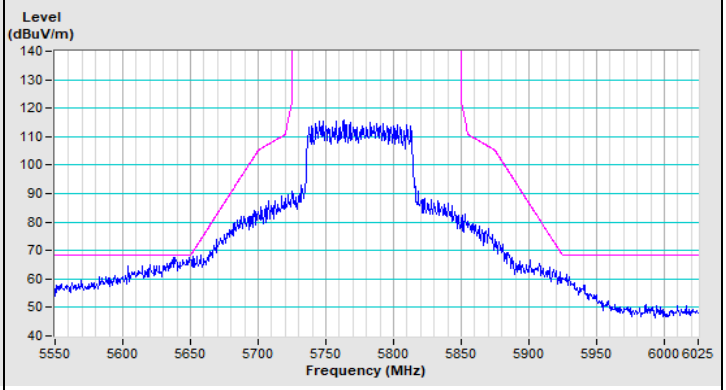


Vertical (Average)

802.11ax (HE80) Channel 155

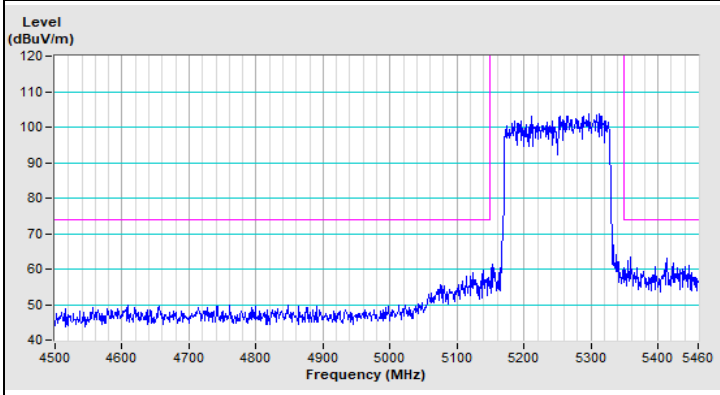


Horizontal (Peak)

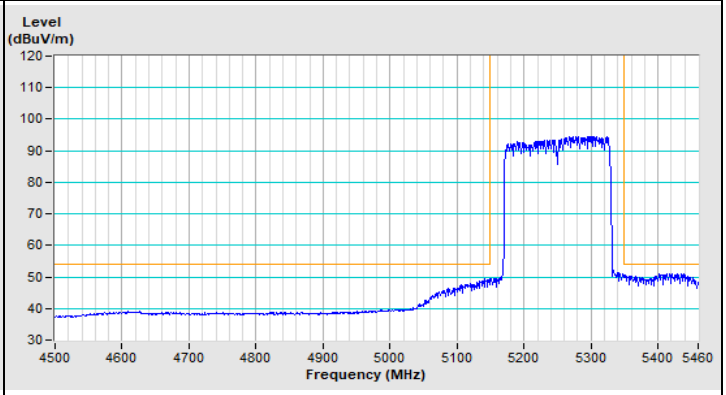


Vertical (Peak)

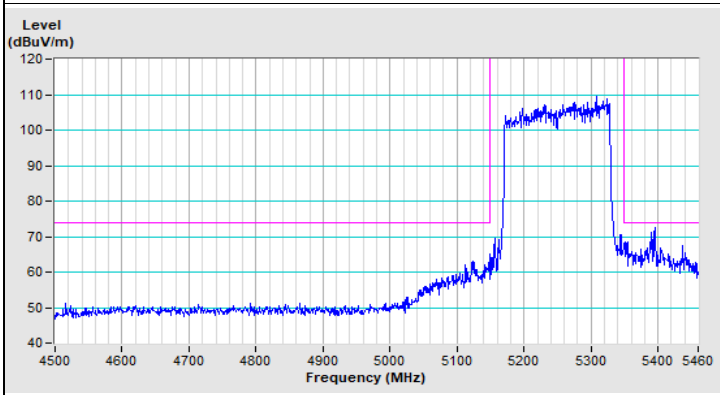
802.11ax (HE160) Channel 50



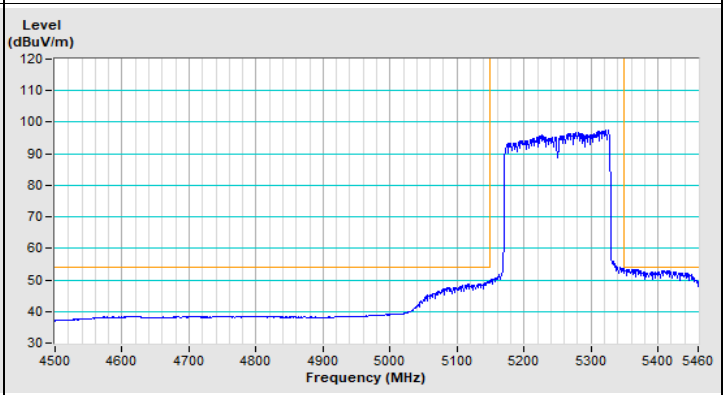
Horizontal (Peak)



Horizontal (Average)

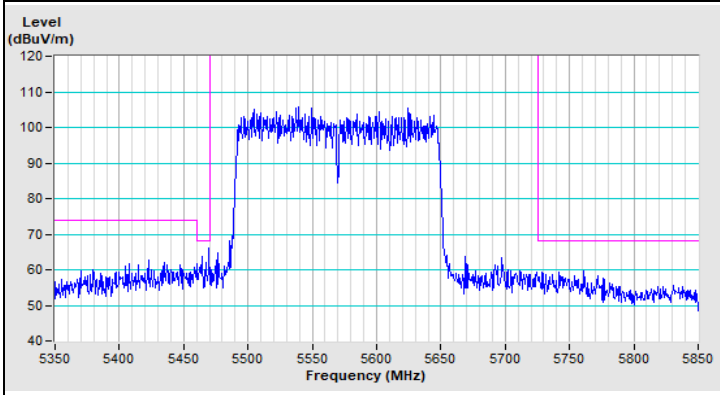


Vertical (Peak)

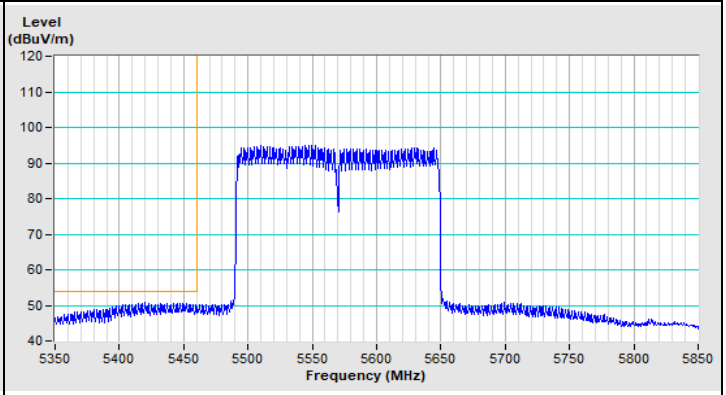


Vertical (Average)

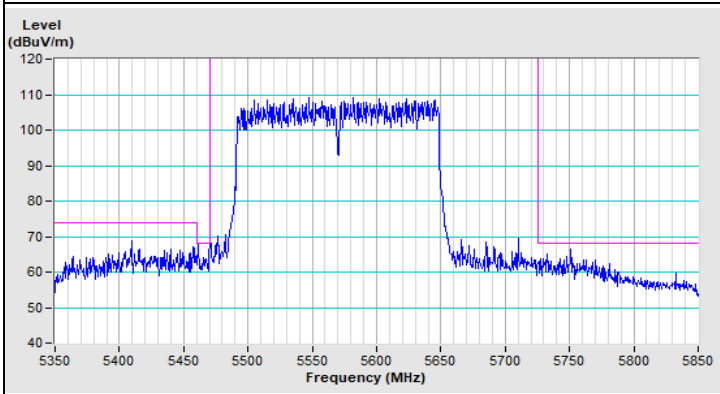
802.11ax (HE160) Channel 114



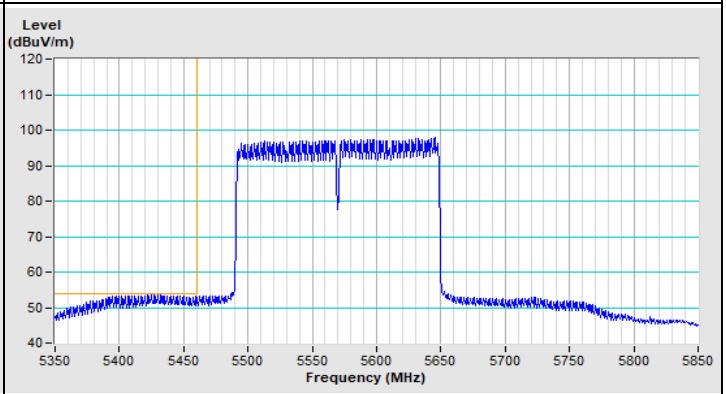
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

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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